

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
FEDERAL-AID HIGHWAY**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION

OTHER PRINCIPAL ARTERIAL -
 U.S. ROUTE 41 (SKOKIE ROAD) (FAP 350)
 U.S. ROUTE 41 (WEST LEG) 2013 ADT= 11700
 U.S. ROUTE 41 (EAST LEG) 2013 ADT= 11700
 DESIGN SPEED=45 MPH, POSTED SPEED=40 MPH

MAJOR COLLECTOR -
 HIBBARD ROAD (FAU 2807)
 HIBBARD ROAD (NORTH LEG) 2014 ADT= 3850
 HIBBARD ROAD (SOUTH LEG) 2014 ADT= 2250
 P.V.=96% S.U.=4% M.U.=0%
 DESIGN SPEED=35 MPH, POSTED SPEED=30 MPH

**FAP 350 US ROUTE 41 (SKOKIE ROAD)
 AT FAU 2807 HIBBARD ROAD
 SECTION 12-00194-00-CH
 PROJECT M-4003(097)
 3R WIDENING AND RESURFACING
 COOK COUNTY & VILLAGE OF WILMETTE**

**BEGIN PROJECT
 U.S. ROUTE 41
 (SKOKIE ROAD)
 STA. 113 + 00.00**

C-91-055-13



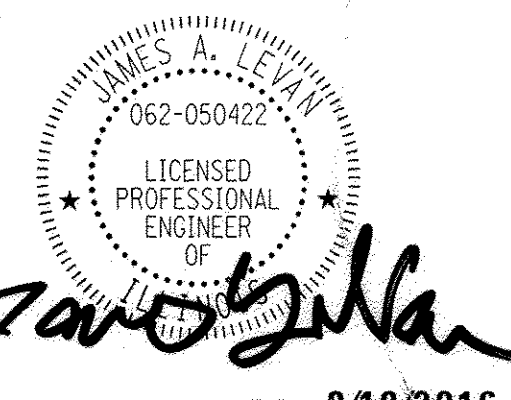
LOCATION MAP



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

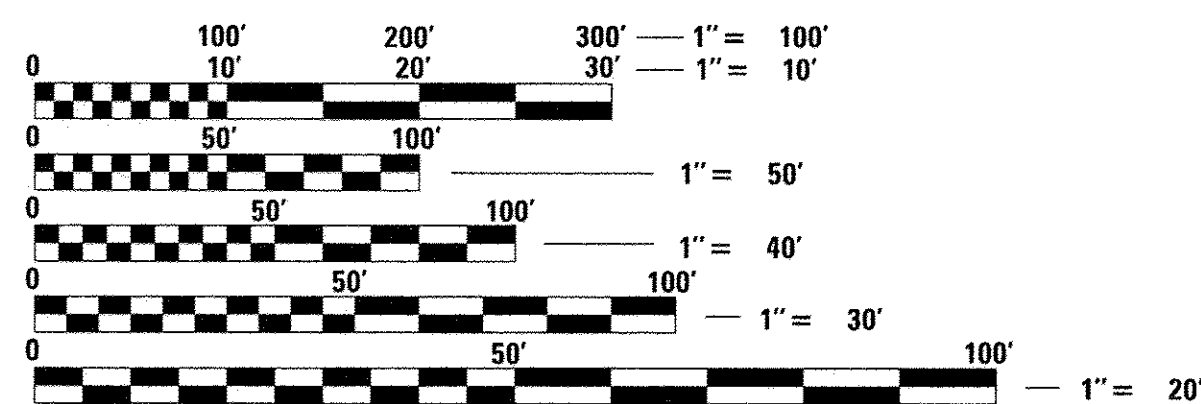
**END PROJECT
 HIBBARD ROAD
 STA. 24 + 25.00**

S.N. 016-1291



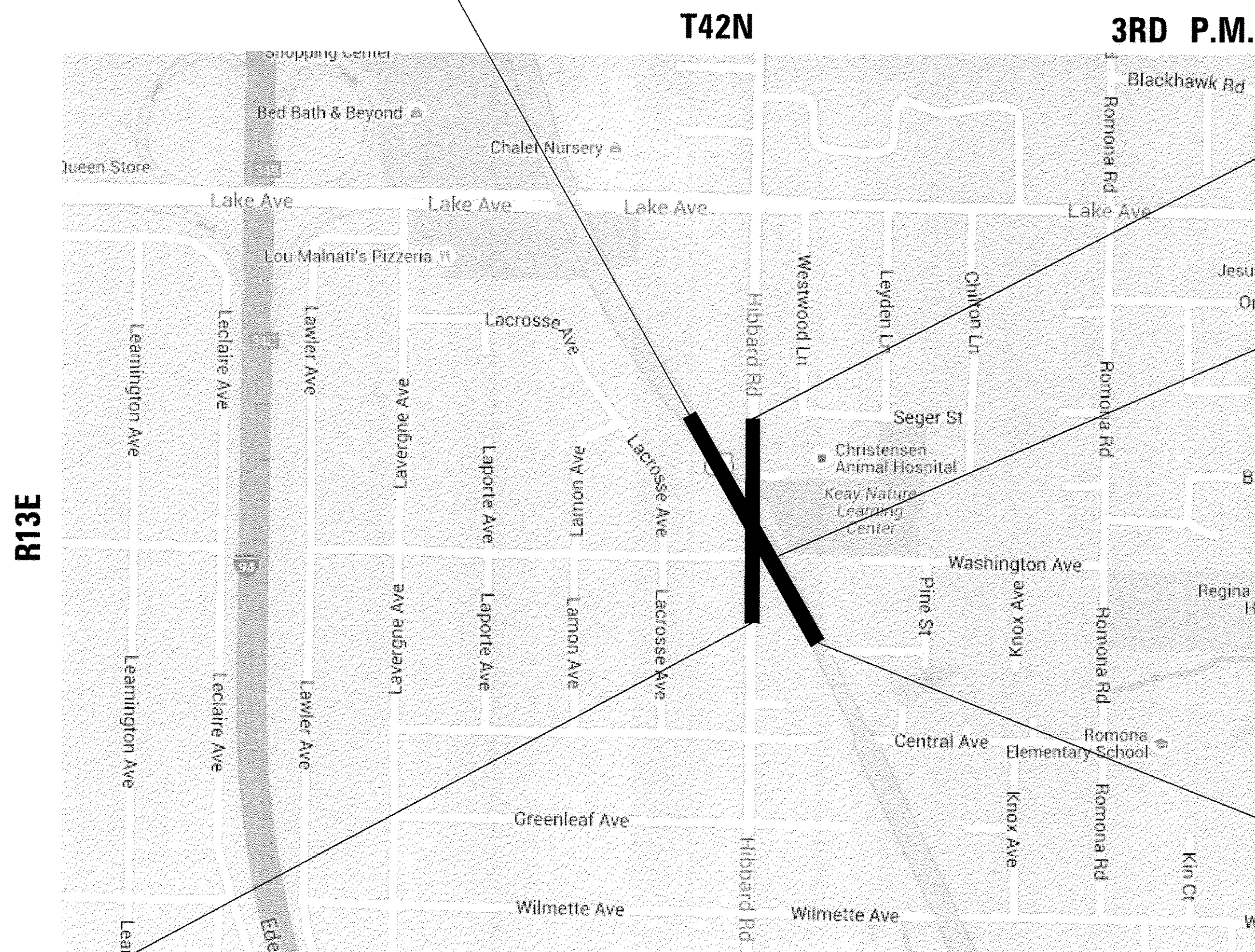
DATE: 8/10/2016
 JAMES A. LEVAN, P.E.
 LICENSE NO.: 062-050422
 EXPIRES: NOVEMBER 30, 2017

**END PROJECT
 U.S. ROUTE 41
 (SKOKIE ROAD)
 STA. 123 + 00.00**



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

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



**BEGIN PROJECT
 HIBBARD ROAD
 STA. 15 + 65.00**

	NET LENGTH	GROSS LENGTH
U.S. ROUTE 41	928.14 FT (0.175 MI)	1000.00 FT (0.189 MI)
HIBBARD ROAD	860.00 FT (0.162 MI)	860.00 FT (0.162 MI)
PROJECT TOTAL	1788.14 FT (0.337 MI)	1860.00 FT (0.351 MI)

VILLAGE OF WILMETTE / NEW TRIER TOWNSHIP



AECOM TECHNICAL SERVICES, INC.
 303 E. WACKER DRIVE, SUITE 1400
 CHICAGO, ILLINOIS 60601-5276
 PH. 312-373-7700

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED December 6, 2016
 [Signature] COOK COUNTY

APPROVED August 22, 2016
 [Signature] VILLAGE OF WILMETTE

APPROVED August 24, 2016
 [Signature] WILMETTE PARK DISTRICT

APPROVED December 19, 2016
 [Signature] CHRISTOPHER HOLT
 ENGINEER OF LOCAL ROADS & STREETS

APPROVED December 20, 2016
 [Signature] REGIONAL ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLER, P.E., 847-705-4406, SCHAUMBURG, IL

CONTRACT NO. 61C76

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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
353001-04	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424016-03	MID BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
482011-03	HMA. SHLD. STRIPS/SHLDS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602301-04	INLET - TYPE A
602401-03	MANHOLE TYPE A
602406-07	MANHOLE TYPE A 6' (1.8M) DIAMETER
602411-05	MANHOLE TYPE A 7' (2.1M) DIAMETER
602421-05	MANHOLE TYPE A 9' (2.7M) DIAMETER
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
604086-03	FRAME AND GRATE TYPE 23
604091-03	FRAME AND GRATE TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLAND AND MEDIANS
630001-11	STEEL PLATE BEAM GUARDRAIL
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THA 15' (4.5M) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS <= 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-06	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATION

FILE NAME = P:\6044116\900\Work\910_CAD\20-SHEETS\CH12-0128-Gen\No.dgn



USER NAME = andy.becker	DESIGNED - C/JG	REVISED -
	DRAWN - FJS	REVISED -
PLOT SCALE = 50,0001' / 1in.	CHECKED - C/JG	REVISED -
PLOT DATE = 12/12/2016	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
GENERAL NOTES, INDEX OF SHEETS, LIST OF STATE STANDARDS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	2
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES.
2. ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, FIRE DEPARTMENTS AND THE VILLAGE OF WILMETTE ENGINEERING AND PUBLIC WORKS DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR TWO WEEKS PRIOR TO THE START OF CONSTRUCTION.
3. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. REDUCED SIZED PLANS CAN BE PRINTED TO SCALE FOR USE IN THE FIELD.
4. IN COMPLIANCE WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (I.E.P.A.) FOR A CONSTRUCTION PROJECT WHICH DISTURBS ONE ACRE OR MORE TOTAL LAND AREA, THE CONTRACTOR SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN AS CONTAINED IN THE CONTRACT DOCUMENT.
5. WARNING SIGNS (OVERHEAD ELECTRIC) SHALL BE PLACED AT LOCATIONS OF OVERHEAD ELECTRIC LINES CROSSING THE ROADWAY. SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEMS OF WORK BEING PERFORMED.
6. EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS.
7. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY TO THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE; ELEVATION INDICATES RIM GRADES.
8. STORM SEWER, WATER MAIN REQUIREMENTS IS TO BE USED AT LOCATIONS WHERE:
 - HORIZONTAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10- FEET AND THE WATER MAIN INVERT IS LESS THAN 18-INCHES ABOVE THE STORM SEWER CROWN;
 - OR WHEN WATER MAIN CROSSES OVER STORM SEWER AND THE WATER MAIN INVERT IS LESS THAN 18-INCHES ABOVE THE STORM SEWER CROWN.
 - WHEN WATER MAIN CROSSES UNDER STORM SEWER AND THE WATER MAIN CROWN IS LESS THAN 18-INCHES UNDER THE STORM SEWER.
 THE STORM SEWER SHALL BE ENCASED IN WATER MAIN QUALITY PIPE.
9. THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON MANHOLES AND CATCH BASINS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FLAT SLAB TOPS.
10. "TEMPORARY FENCE" SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. THE RESIDENT ENGINEER SHALL INSPECT AND APPROVE THE PLACEMENT OF ALL "TEMPORARY FENCE" PRIOR TO CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE "TEMPORARY FENCE" ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
11. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A LOADED TRUCK.
12. "AGGREGATE SUBGRADE IMPROVEMENT" AND "GEOTECHNICAL FABRIC FOR GROUND STABILIZATION" HAVE BEEN PROVIDED FOR IN THE CONTRACT QUANTITIES. THE ACTUAL NEED FOR THE REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT AND GEOTECHNICAL FABRIC WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHALL BE TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITIES SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
13. BENCHMARKS FOR THE PROJECT ARE DESCRIBED IN THE PLANS. ALL BEARINGS AND COORDINATES REFERENCED IN THE PLAN DRAWINGS AND ALL CONTROL COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2007). ALL ELEVATIONS ARE BASED ON U.S. GEOLOGICAL SURVEY NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
14. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
15. THE RESIDENT ENGINEER SHALL CONTACT CORY JUCIUS, ARTERIAL TRAFFIC FIELD ENGINEER AT CORY.JUCIUS@ILLINOIS.GOV A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF PAVEMENT MARKINGS.
16. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF WILMETTE. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
17. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF WILMETTE.
18. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (45 KM/H) OR LESS THAN 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (45 KM/H) WITH WRITTEN APPROVAL FROM THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)
19. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH "BUTT JOINT AND HOT-MIX ASPHALT TAPER" DETAIL SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
20. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
21. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.
22. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASED ON WHICH THE HMA MIXTURE IS PLACED.
23. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
24. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE. ALL EXISTING PAVEMENT MARKING LINE (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE -ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
25. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
26. PATCHING QUANTITIES FOR DETERIORATED PAVEMENT AREAS ARE BASED ON MILLING OPERATIONS COMPLETED FIRST.
27. PATCHING QUANTITIES FOR PROPOSED SEWER WORK ARE BASED ON SEWER OPERATIONS BEING COMPLETED PRIOR TO SURFACE MILLING.
28. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THE CONTRACT.

FILE NAME = P:\6044116\988_Work\918_CADD\20-SHEETS\CH12-0128-GenNotes.dgn



USER NAME = andy.becker	DESIGNED -	REVISED -
PLOT SCALE = 50.0001' / in.	DRAWN -	REVISED -
PLOT DATE = 12/20/2016	CHECKED -	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
GENERAL NOTES, INDEX OF SHEETS, LIST OF STATE STANDARDS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	3
CONTRACT NO. 61C76			[ILLINOIS] FED. AID PROJECT	

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

CONSTRUCTION CODE							
ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT 0021	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	UTILITIES 0043

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	70% FEDERAL 22.5% STATE 7.5% COUNTY	70% FEDERAL 30% VILLAGE	70% FEDERAL 22.5% STATE 7.5% COUNTY	70% FEDERAL 22.5% STATE 7.5% COUNTY	100% VILLAGE	70% FEDERAL 30% VILLAGE	100% VILLAGE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	156	156						
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	196	196						
20101000	TEMPORARY FENCE	FOOT	2300	2300						
20101200	TREE ROOT PRUNING	EACH	21	21						
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10						
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	11	11						
20200100	EARTH EXCAVATION	CU YD	717	717						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2277	2277						
20400800	FURNISHED EXCAVATION	CU YD	240	240						
20800150	TRENCH BACKFILL	CU YD	867	867						
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	233	233						
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	6071	6071						
* 25000210	SEEDING, CLASS 2A	ACRE	1	1						
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	316	316						

* =SPECIALTY ITEM

FILE NAME = P:\6044\16\980_Monk\916_CAD\28-SHEETS\CH12-9128-Summary of Quantities.dgn



USER NAME = andy.becker	DESIGNED - CJG	REVISED -
PLLOT SCALE = 1:8000 1/8" = 1'	DRAWN - FJS	REVISED -
PLLOT DATE = 1/26/2017	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	4
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043			
				70% FEDERAL 22.5% STATE 7.5% COUNTY	70% FEDERAL 30% VILLAGE	70% FEDERAL 22.5% STATE 7.5% COUNTY	70% FEDERAL 22.5% STATE 7.5% COUNTY	100% VILLAGE	70% FEDERAL 30% VILLAGE	100% VILLAGE			
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	316	316									
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	316	316									
* 25100115	MULCH, METHOD 2	ACRE	1	1									
* 25100630	EROSION CONTROL BLANKET	SQ YD	418	418									
* 25200110	SODDING, SALT TOLERANT	SQ YD	1211	1211									
* 25200200	SUPPLEMENTAL WATERING	UNIT	153	153									
28000305	TEMPORARY DITCH CHECKS	FOOT	18	18									
28000400	PERIMETER EROSION BARRIER	FOOT	1269	1269									
28000510	INLET FILTERS	EACH	42	42									
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2791	2791									
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	495	495									
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	108	108									
35400200	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"	SQ YD	299	299									
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	322	322									

* =SPECIALTY ITEM

FILE NAME = P:\6044116\980_Work\916_CAD\26-SHEETS\CH12-9126-Summary of Quantities.dgn



USER NAME = andy.becker	DESIGNED - CJG	REVISED -
	DRAWN - FJS	REVISED -
PLOT SCALE = 1/8000' / 1"	CHECKED - CJG	REVISED -
PLOT DATE = 1/26/2017	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

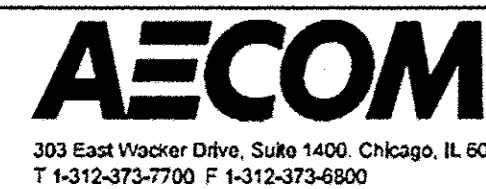
SCALE: NTS SHEET 2 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	5
CONTRACT NO. 61CT6			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE	
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE		
				7.5% COUNTY		7.5% COUNTY	7.5% COUNTY				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3570	1766	1804						
42400800	DETECTABLE WARNINGS	SQ FT	140	140							
44000100	PAVEMENT REMOVAL	SQ YD	495	495							
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	5808	5808							
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	1407	1407							
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	573	573							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	756	756							
44000600	SIDEWALK REMOVAL	SQ FT	1079	1079							
44002206	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1 1/2"	SQ YD	60	60							
44002214	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"	SQ YD	245	245							
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	401	401							
44002224	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 6"	SQ YD	384	384							
44003100	MEDIAN REMOVAL	SQ FT	385	385							
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	4776	4776							

* =SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	7
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE	
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE		
44004250	PAVED SHOULDER REMOVAL	SQ YD	894	894							
44200089	PAVEMENT PATCHING, TYPE I, 8 INCH	SQ YD	83	83							
44200094	PAVEMENT PATCHING, TYPE II, 8 INCH	SQ YD	83	83							
44200099	PAVEMENT PATCHING, TYPE III, 8 INCH	SQ YD	83	83							
44200101	PAVEMENT PATCHING, TYPE IV, 8 INCH	SQ YD	83	83							
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SQ YD	94	94							
44200126	PAVEMENT PATCHING, TYPE IV, 10 INCH	SQ YD	578	578							
44201313	CLASS C PATCHES, TYPE I, 7 INCH	SQ YD	245	245							
44201317	CLASS C PATCHES, TYPE II, 7 INCH	SQ YD	451	451							
44201321	CLASS C PATCHES, TYPE III, 7 INCH	SQ YD	245	245							
44201323	CLASS C PATCHES, TYPE IV, 7 INCH	SQ YD	342	342							
44201325	CLASS C PATCHES, TYPE I, 8 INCH	SQ YD	60	60							
44201329	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	155	155							
44201333	CLASS C PATCHES, TYPE III, 8 INCH	SQ YD	60	60							

* =SPECIALTY ITEM

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	DATE = 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	8
CONTRACT NO. 61CT6			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE	
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE		
44201335	CLASS C PATCHES, TYPE IV, 8 INCH	SQ YD	320	320							
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	1552	1552							
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	229	229							
48203049	HOT-MIX ASPHALT SHOULDERS, 13"	SQ YD	705	705							
50104400	CONCRETE HEADWALL REMOVAL	EACH	4.0	4							
50105220	PIPE CULVERT REMOVAL	FOOT	129.0	129							
54010402	PRECAST CONCRETE BOX CULVERTS 4' X 2'	FOOT	64.0	64							
54010602	PRECAST CONCRETE BOX CULVERTS 6' X 2'	FOOT	52.0	52							
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	6	6							
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	12	12							
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	473	473							
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	472	472							
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	233	233							
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	407	407							

* =SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

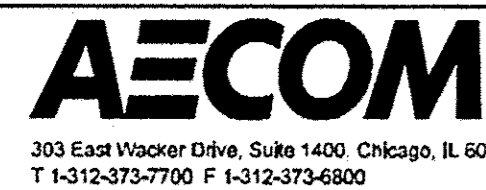
SCALE: SHEET 6 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	9
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE	
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE		
				7.5% COUNTY	7.5% COUNTY						
55100200	STORM SEWER REMOVAL 6"	FOOT	32	32							
55100300	STORM SEWER REMOVAL 8"	FOOT	114	114							
55100400	STORM SEWER REMOVAL 10"	FOOT	696	696							
55100500	STORM SEWER REMOVAL 12"	FOOT	355	355							
55100700	STORM SEWER REMOVAL 15"	FOOT	90	90							
* 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	45						45		
* 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	45						45		
* 56105000	WATER VALVES 8"	EACH	2						2		
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2						2		
* 56400600	FIRE HYDRANTS	EACH	2						2		
* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	8						8		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2							
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1	1							

* =SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

SCALE:	SHEET 7 OF 18 SHEETS	STA. TO STA.	F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 10
							CONTRACT NO. 61C76
ILLINOIS FED. AID PROJECT							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL 22.5% STATE 7.5% COUNTY	70% FEDERAL 30% VILLAGE	70% FEDERAL 22.5% STATE 7.5% COUNTY	70% FEDERAL 22.5% STATE 7.5% COUNTY	100% VILLAGE	70% FEDERAL 30% VILLAGE	100% VILLAGE	
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3							
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	4	4							
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	15	15							
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6							
60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1							
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	3	3							
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2							
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3							
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2							
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8							
60224445	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1							
60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1							
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2	2							
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1							

* =SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

SCALE: SHEET 8 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C76	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043		
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE		
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE			
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	3	3								
* 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	2							2		
60255500	MANHOLES TO BE ADJUSTED	EACH	7	7								
* 60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4							4		
60500040	REMOVING MANHOLES	EACH	6	6								
60500050	REMOVING CATCH BASINS	EACH	5	5								
60500060	REMOVING INLETS	EACH	1	1								
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1360	1360								
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1039	1039								
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1055	1055								
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	75	75								
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT	EACH	4	4								
* 63200310	GUARDRAIL REMOVAL	FOOT	237	237								
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4,035	4,035								

* =SPECIALTY ITEM

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 DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
 SUMMARY OF QUANTITIES

SCALE: SHEET 9 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C76	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE	
				7.5% COUNTY		7.5% COUNTY	7.5% COUNTY			
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1						
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3						
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6						
67100100	MOBILIZATION	LSUM	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	70	70						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6955	6955						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2319	2319						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	27817	27817						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	112	112						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	738	738						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	675	675						
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4						
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4						
72000100	SIGN PANEL - TYPE 1	SQ FT	20	5			15			

* =SPECIALTY ITEM

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
 SUMMARY OF QUANTITIES

SCALE: SHEET 10 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C76	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE	
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE		
72000200	SIGN PANEL - TYPE 2	SQ FT	25			25					
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	91	91							
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	86	86							
72900100	METAL POST - TYPE A	FOOT	81	81							
72900200	METAL POST - TYPE B	FOOT	54	54							
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	136	136							
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14754	14754							
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	343	343							
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	462	462							
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	157	157							
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	123	123							
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	98	98							
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1								1
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1								1

* =SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

SCALE: SHEET 11 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 14
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE	
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1182			620	562			
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	465			465				
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	757			757				
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	465							465
* 81400100	HANDHOLE	EACH	4			4				
* 81400200	HEAVY-DUTY HANDHOLE	EACH	1			1				
* 81400300	DOUBLE HANDHOLE	EACH	4			4				
* 81603111	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	549							549
* 81603096	UNIT DUCT, 600V, 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	957							957
* 81800240	AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	1234							1234
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	9							9
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1							1
* 83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	9							9
* 83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	9							9

* =SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES**

SCALE: SHEET 12 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	15
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE	
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE		
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6			6					
* 87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	2			2					
* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1			1					
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1			1					
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	44			44					
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4					
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40			40					
* 87900200	DRILL EXISTING HANDHOLE	EACH	1				1				
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6			6					
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8			8					
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2			2					
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2			2					
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12			12					
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8			8					

* =SPECIALTY ITEM

FILE NAME = P:\6044116\9808_Work\9106_CAD\26-SHEETS\CH12-0128-Summary of Quantities.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

SCALE: SHEET 14 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	17
CONTRACT NO. 61CT6			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE	
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE		
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4			4					
* 88600100	DETECTOR LOOP, TYPE I	FOOT	130			130					
* 88700200	LIGHT DETECTOR	EACH	4					4			
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1					1			
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	12			12					
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1					
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3504				3504				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1					
* 89502380	REMOVE EXISTING HANDHOLE	EACH	10			9	1				
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1			1					
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8			8					
* X0323449	REMOVE EXISTING WATER VALVE	EACH	2						2		
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	318					318			
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	2340				2340				

* =SPECIALTY ITEM

FILE NAME = F:\60444116\9180_Mark\9180_LOAD\20-SHEETS\CH12-012B-Summary of Quantities.dgn



USER NAME = andy.becker	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -
PLOT DATE = 1/26/2017	DATE = 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

SCALE: SHEET 15 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	18
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE	
X0327979	PA VEMENT MARKING REMOVAL-GRINDING	SQ FT	7601	7601						
X0327980	PA VEMENT MARKING REMOVAL-WATER BLASTING	SQ FT	1900	1900						
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1			1				
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1				
* X2080250	TRENCH BACKFILL, SPECIAL	CU YD	70						70	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	6	6						
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4						
* X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	2						2	
* X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	2						2	
* X5610706	WATER MAIN REMOVAL, 6"	FOOT	45						45	
* X5610708	WATER MAIN REMOVAL, 8"	FOOT	45						45	
* X5610746	WATER MAIN LINE STOP 6"	EACH	2						2	
* X5610748	WATER MAIN LINE STOP 8"	EACH	2						2	
* X5610764	WATER MAIN LINE STOP 24"	EACH	1						1	

* =SPECIALTY ITEM

FILE NAME = P:\6044\1161\986L\Work\986L_CAD\20-SHEETS\CH12-0120-Summary of Quantities.dgn



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PLOT SCALE = 1/8" = 1' / in.	DRAWN -	REVISED -
PLOT DATE = 1/26/2017	CHECKED -	REVISED -
	DATE = 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUMMARY OF QUANTITIES

SCALE: SHEET 16 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	19
CONTRACT NO. 61CT6			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE	
				7.5% COUNTY		7.5% COUNTY	7.5% COUNTY			
X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	3	3						
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1						
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	9300	9300						
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	48	48						
* X8100863	INTERCEPT EXISTING CONDUIT	EACH	1			1				
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1				
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3629				3629			
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1						
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	163	163						
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	9							9
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12							12
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1				1			
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	84	84						
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	112	112						

* =SPECIALTY ITEM

FILE NAME = P:\AG041416\980_Work\918_CAD\28-SHEETS\CH2-9128-Summary of Quantities.dgn



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 PLOT DATE = 1/26/2017

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 DRAWN -
 CHECKED -
 DATE = 7/28/2016

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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
 SUMMARY OF QUANTITIES

SCALE: SHEET 17 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	20
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0004	SIDEWALK 0021	TRAFFIC SIGNALS 0021	TRAFFIC INTERCONNECT	TRAFFIC EVP 0021	UTILITIES 0043	UTILITIES 0043	
				70% FEDERAL	70% FEDERAL	70% FEDERAL	70% FEDERAL	100% VILLAGE	70% FEDERAL	100% VILLAGE	
				22.5% STATE	30% VILLAGE	22.5% STATE	22.5% STATE		30% VILLAGE		
Z0062456	TEMPORARY PAVEMENT	SQ YD	495	495							
* Z0067600	STEEL CASINGS 18"	FOOT	22						22		
* Z0067700	STEEL CASINGS 20"	FOOT	23						23		
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1			1					
# Z0076600	TRAINEES	HOUR	500	500							
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500							
XX000406	BRICK PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	698	698							
* XX002136	PRESSURE CONNECTION	EACH	1						1		
* XX009057	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2			2					
* X0327236	TEMPORARY WOOD POLE, 50 FT., CLASS 4	EACH	1								1
* X0327350	TEMPORARY WOOD POLE, 50 FT., CLASS 4, 15 FT. MAST ARM	EACH	9								9
* X8210005	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	9								9
* X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1								1

=CONSTRUCTION TYPE CODE 0042

* =SPECIALTY ITEM

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 PLOT DATE = 1/26/2017

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 DATE = 7/28/2016

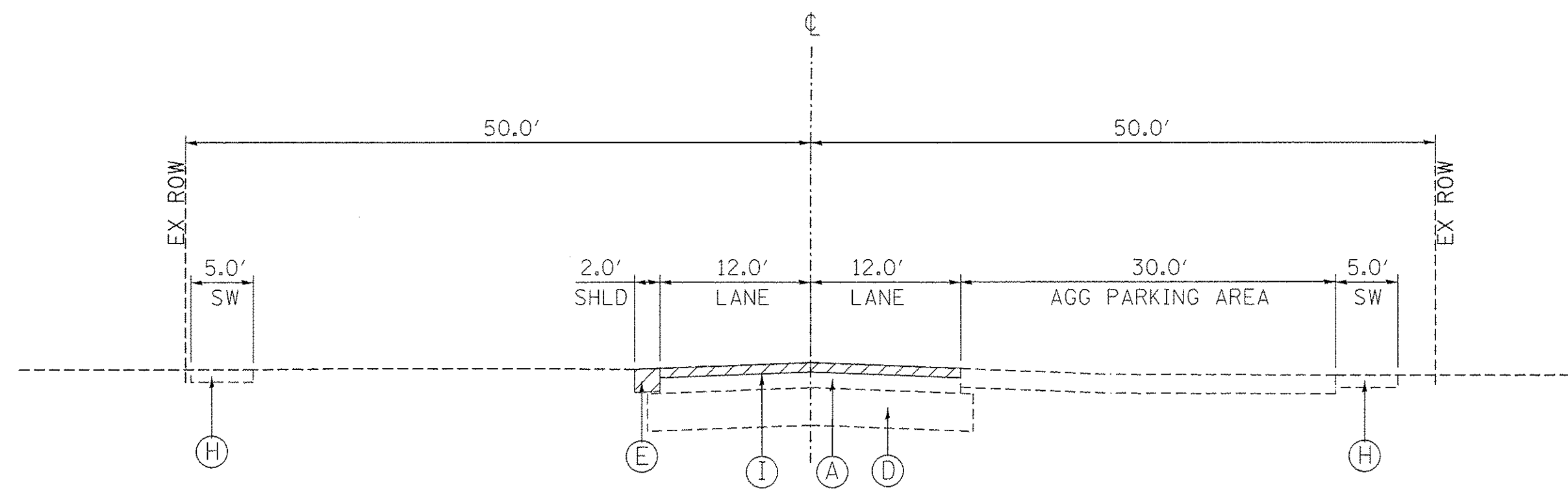
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 DEPARTMENT OF TRANSPORTATION

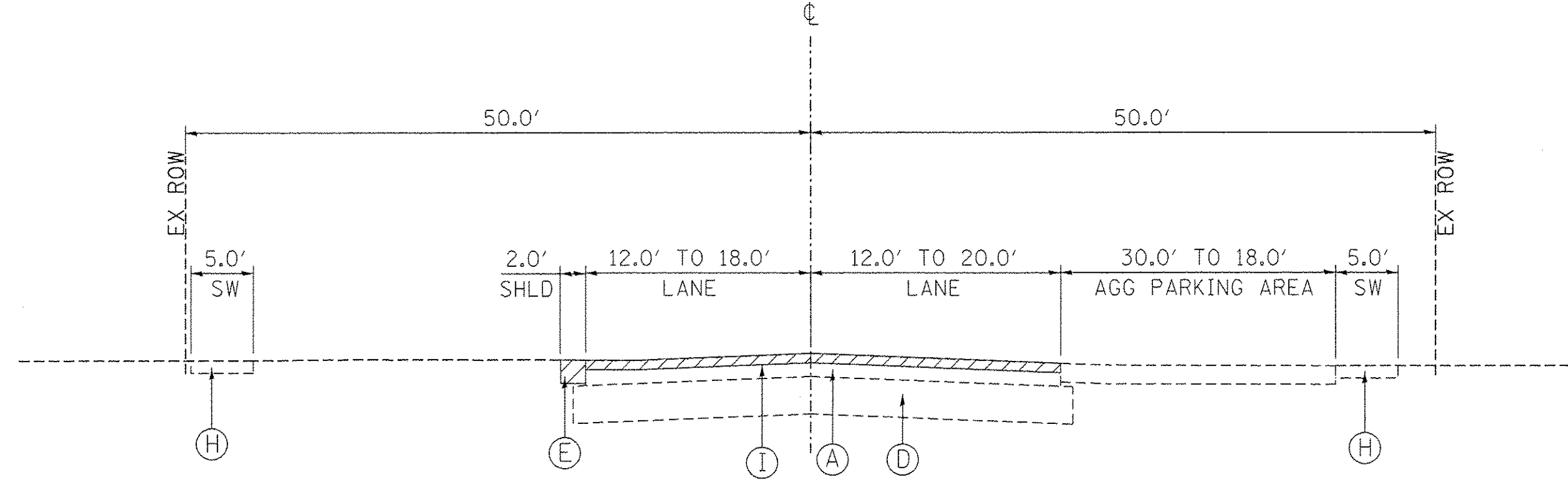
U.S. 41 (SKOKIE RD) AT HIBBARD RD
 SUMMARY OF QUANTITIES

SCALE: SHEET 18 OF 18 SHEETS STA. TO STA.

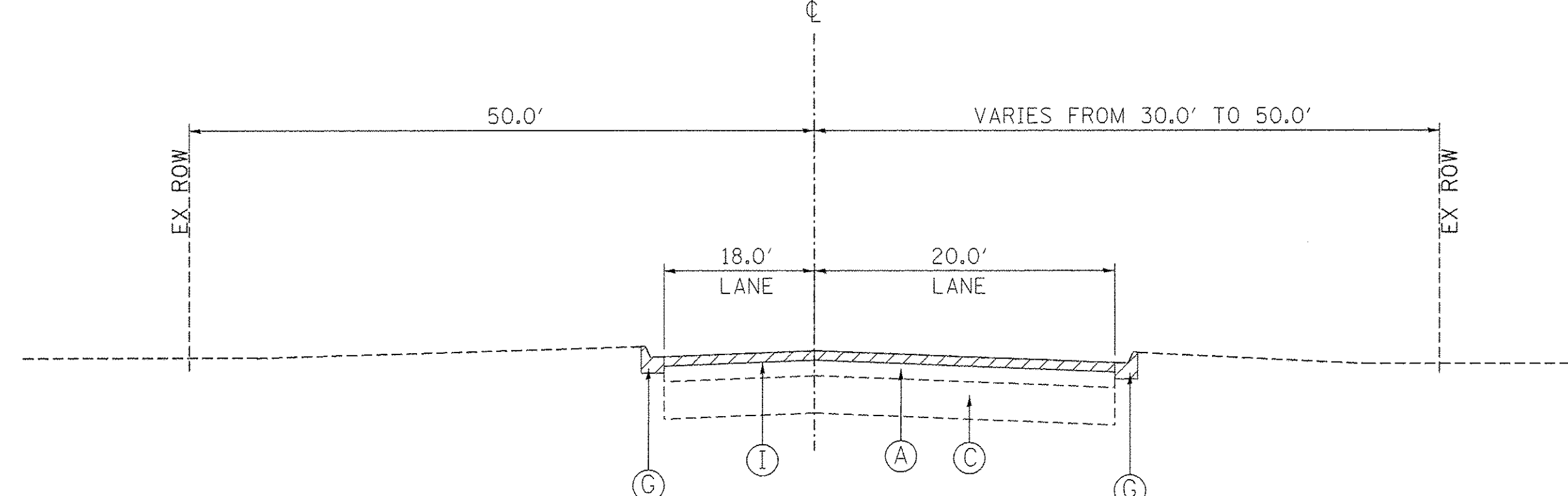
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	21
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				



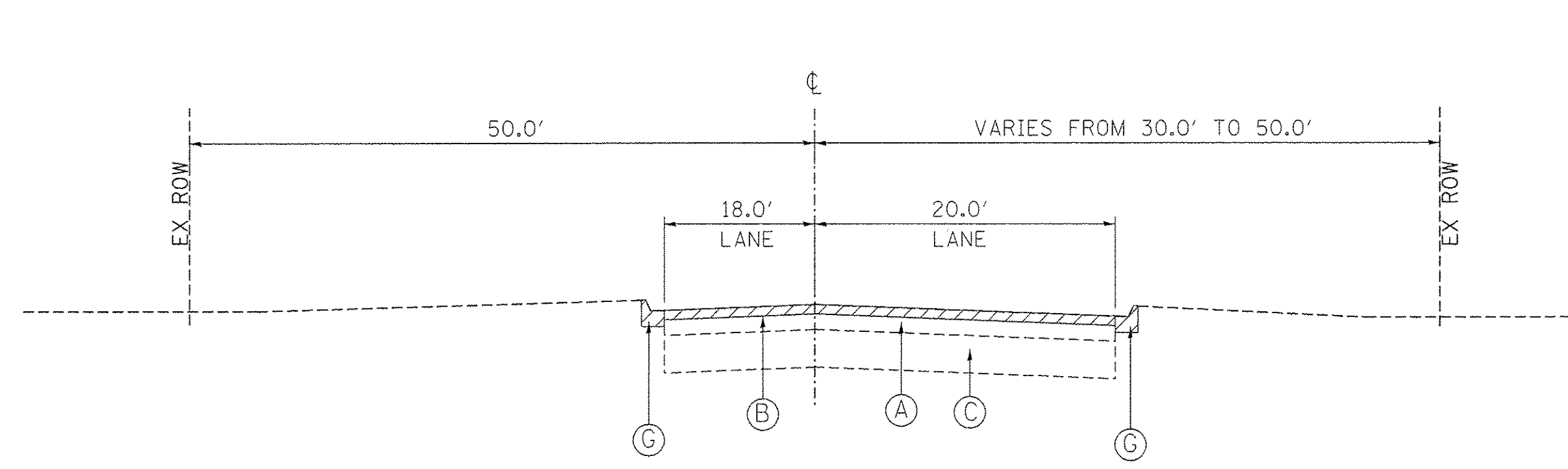
HIBBARD ROAD EXISTING TYPICAL SECTION
STA 15+65.00 TO STA 16+74.25
(S. HIBBARD)



HIBBARD ROAD EXISTING TYPICAL SECTION
STA 16+74.25 TO STA 18+19.00
(S. HIBBARD)



HIBBARD ROAD EXISTING TYPICAL SECTION
STA 18+19.00 TO STA 19+25.00
(N. HIBBARD)



HIBBARD ROAD EXISTING TYPICAL SECTION
STA 19+25.00 TO STA 20+75.23
(N. HIBBARD)

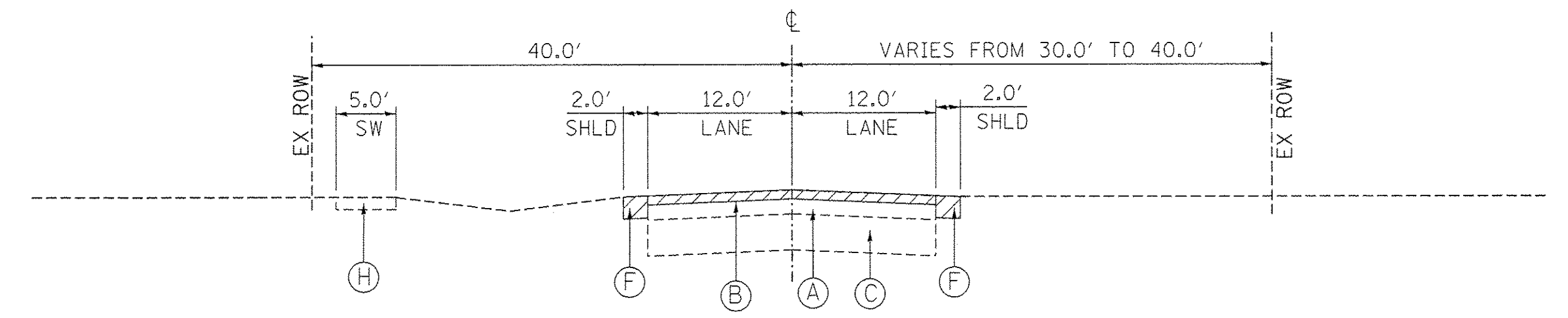
PAVEMENT LEGEND

- (A) EX HMA (9-1/2" S. HIBBARD, 4" N. HIBBARD, 6" US41)
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- (C) EX PCC BASE COURSE (8" N. HIBBARD, 7" US41)
- (D) EX AGG SUBGRADE
- (E) PAVED SHOULDER REMOVAL
- (F) EX AGG SHOULDER
- (G) COMBINATION CURB AND GUTTER REMOVAL
- (H) EX PCC SIDEWALK
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1-1/2")
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (1")
- (3) HOT-MIX ASPHALT BASE COURSE, 7"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 7"
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (1-1/2" HIBBARD, 3-1/2" US41)
- (6) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"
- (7) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"
- (8) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (9) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (10) AGGREGATE SHOULDERS, TYPE B 8"
- (11) HOT-MIX ASPHALT SHOULDERS, 10-1/2"
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18
- (13) NOT USED
- (14) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (15) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (16) TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A MULCH, METHOD 2

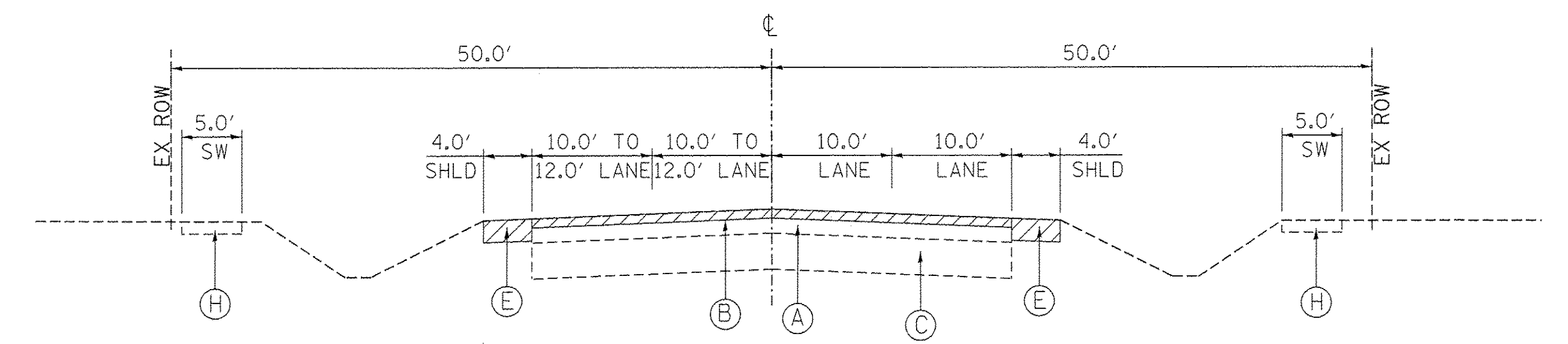
REMOVAL ITEMS

NOTES:

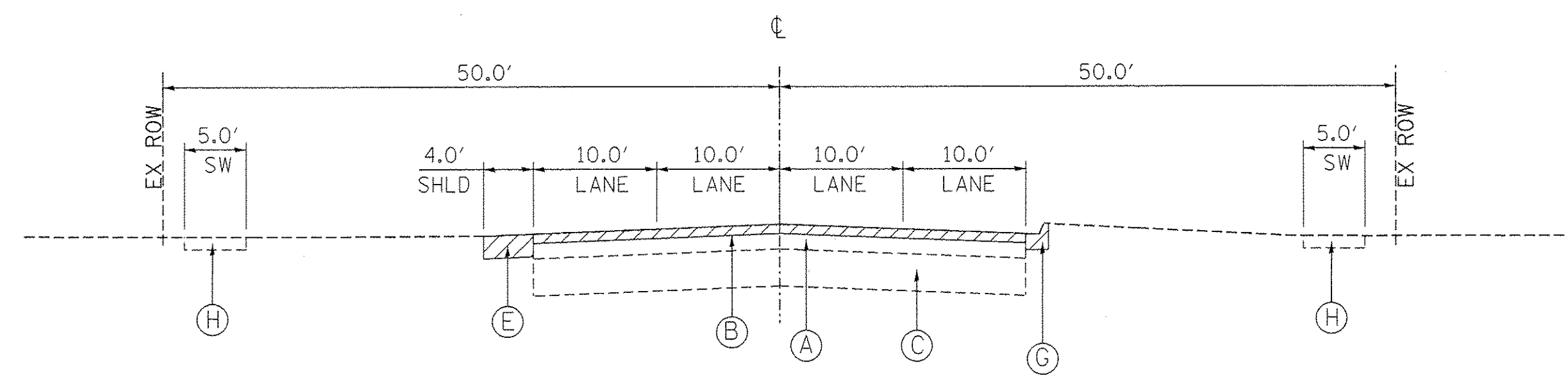
1. MILL FIRST - S. HIBBARD AND US41
PATCH FIRST - N. HIBBARD



HIBBARD ROAD EXISTING TYPICAL SECTION
STA 20+75.23 TO STA 24+25.00
(N. HIBBARD)

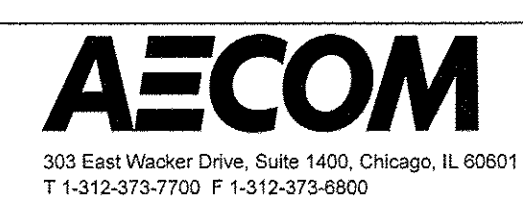


U.S. RTE 41 EXISTING TYPICAL SECTION
STA 113+00.00 TO STA 117+18.27
STA 199+49.68 TO STA 123+00.00



U.S. RTE 41 EXISTING TYPICAL SECTION
STA 117+18.27 TO STA 119+49.68

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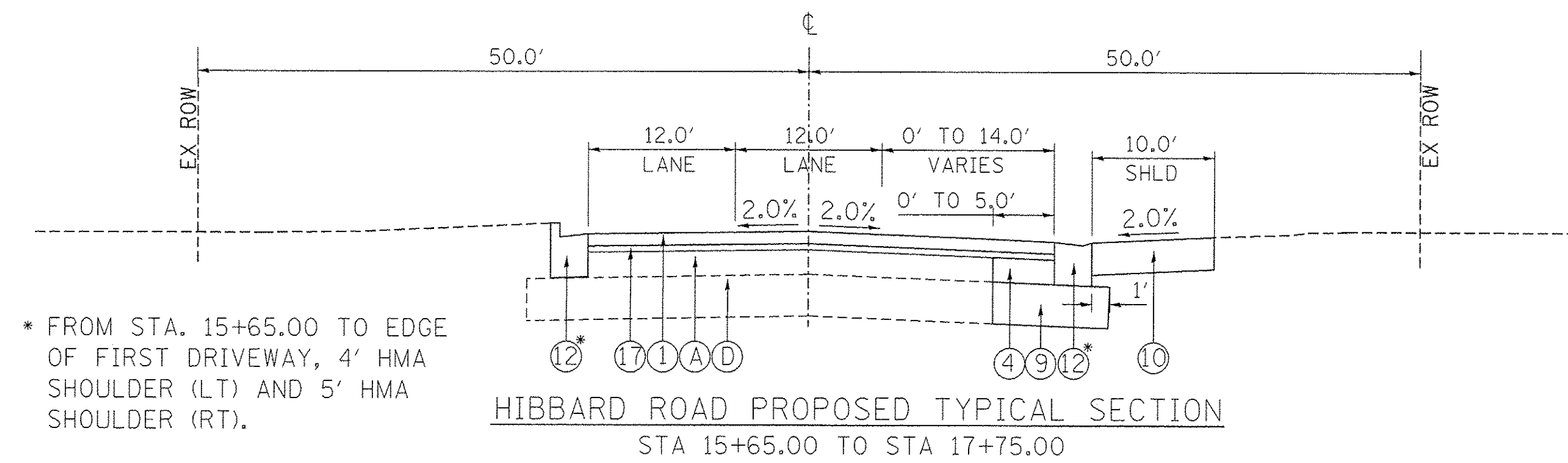
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PLOT DATE = 12/12/2016	CHECKED - C.J.G.	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

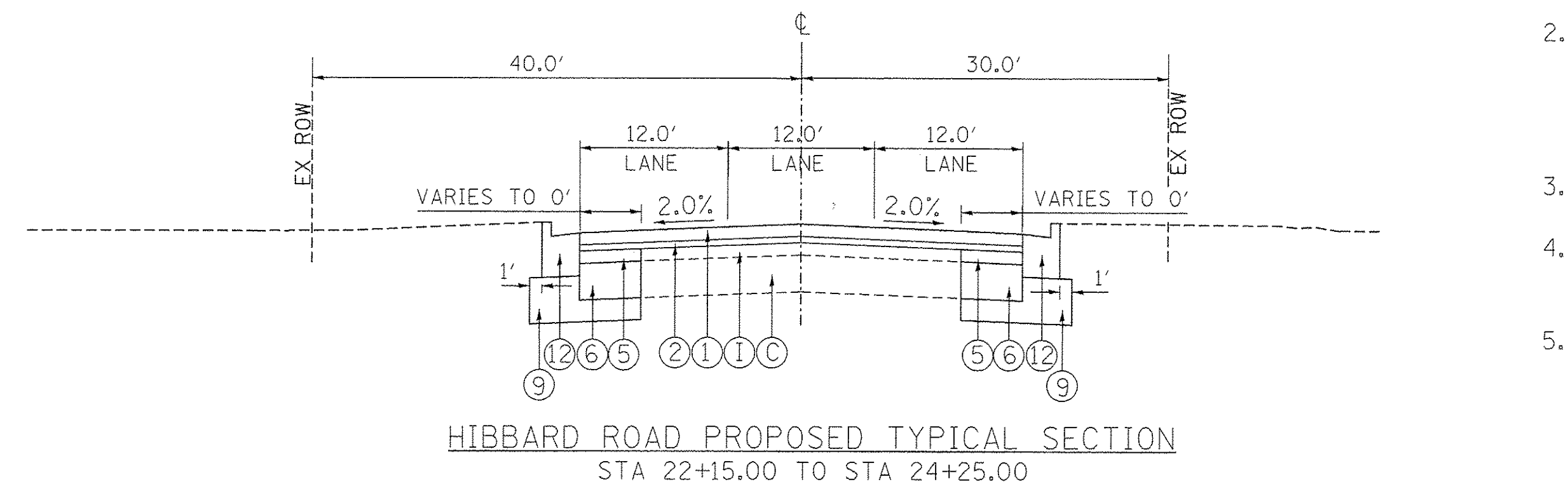
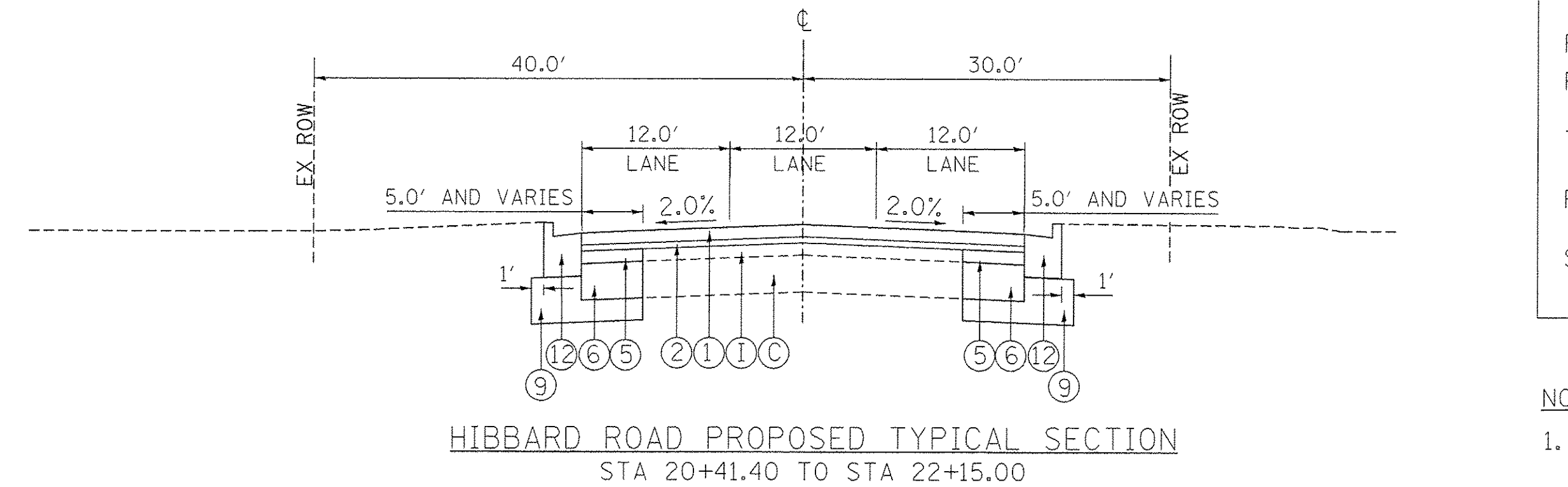
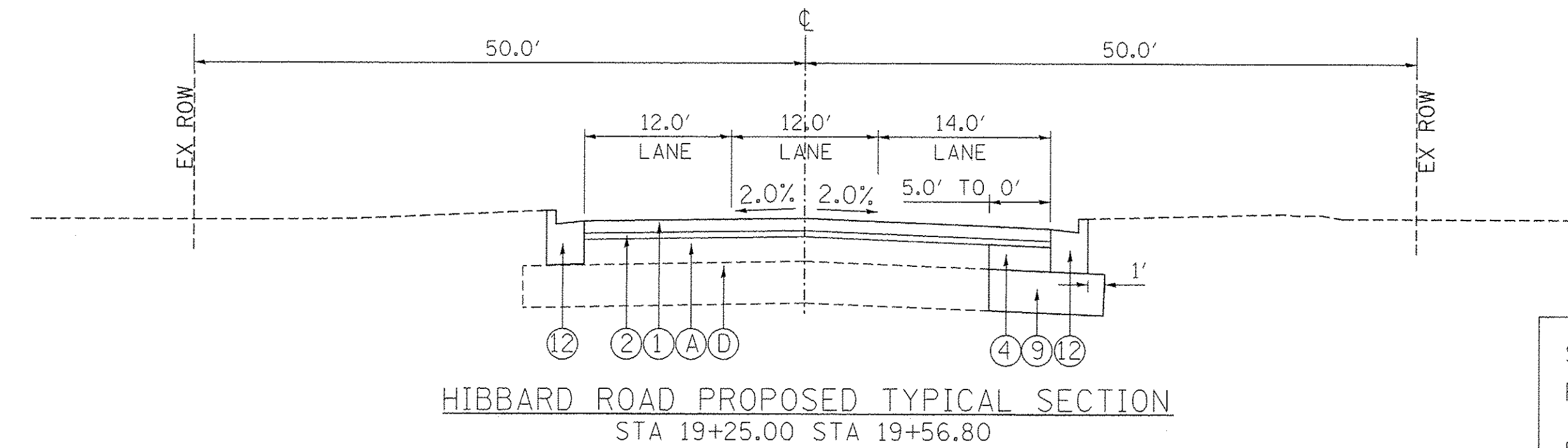
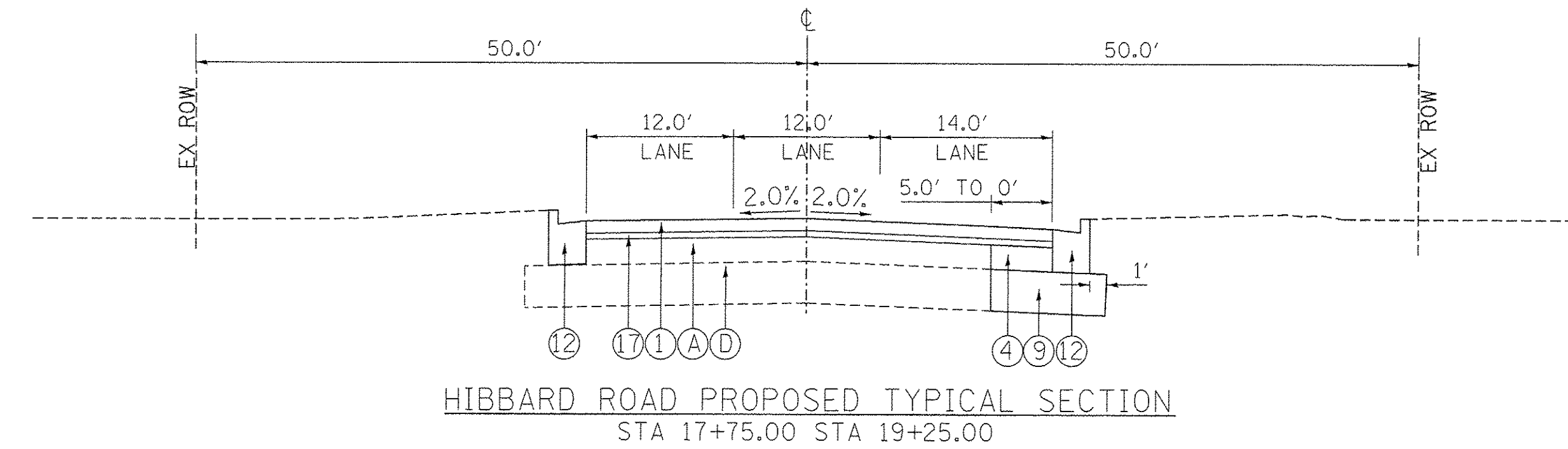
**EXISTING TYPICAL SECTIONS
U.S. RTE 41 (SKOKIE RD) AND HIBBARD RD**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 22
				CONTRACT NO. 61C76
ILLINOIS FED. AID PROJECT				



* FROM STA. 15+65.00 TO EDGE OF FIRST DRIVEWAY, 4' HMA SHOULDER (LT) AND 5' HMA SHOULDER (RT).



PAVEMENT LEGEND

- (A) EX HMA (9-1/2" S. HIBBARD, 4" N. HIBBARD, 6" US41)
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- (C) EX PCC BASE COURSE (8" N. HIBBARD, 7" US41)
- (D) EX AGG SUBGRADE
- (E) PAVED SHOULDER REMOVAL
- (F) EX AGG SHOULDER
- (G) COMBINATION CURB AND GUTTER REMOVAL
- (H) EX PCC SIDEWALK
- (I) EX HMA BINDER COURSE

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1-1/2")
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (1")
- (3) HOT-MIX ASPHALT BASE COURSE, 7"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 7"
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (1-1/2" HIBBARD)
- (6) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"
- (7) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"
- (8) NOT USED
- (9) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (10) AGGREGATE SHOULDERS, TYPE B 8"
- (11) HOT-MIX ASPHALT SHOULDERS, 13"
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18
- (13) NOT USED
- (14) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (15) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (16) TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A MULCH, METHOD 2
- (17) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2-1/4" HIBBARD)

NOTES:

1. USE ADDITIONAL AGGREGATE SUBGRADE IMPROVEMENT 12" UNDER PROPOSED CURB AND GUTTER AS REQUIRED.
2. AREA REFLECTIVE CRACK CONTROL TREATMENT IS TO BE USED AT THE DISCRETION OF THE ENGINEER BASED ON FIELD PAVEMENT CONDITIONS FOLLOWING MILLING.

STRUCTURAL PAVEMENT DESIGN INFORMATION (HIBBARD ROAD)

STRUCTURAL DESIGN TRAFFIC:	YEAR: 2035
PV = 3,371	SU = 130 MU = 0
ROAD / STREET CLASSIFICATION:	CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 50.0%	S = 50.0% M = 50.0%
TRAFFIC FACTOR: ACTUAL TF =	0.15
PG GRADE: BINDER =	PG 64-22 SURFACE = PG 64-22
SUBGRADE SUPPORT RATING:	SSR = POOR

NOTES:

1. THE UNIT WEIGHT TO CALCULATE ALL HMA QUANTITIES IS 112 LBS/SQYD/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 HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
4. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
5. EXTRA SUBBASE GRANULAR MATERIAL REQUIRED UNDER THE HMA SHOULDER AND IS INCLUDED IN THE COST OF THE PAY ITEM "HOT-MIX ASPHALT SHOULDERS, 8"

HIBBARD ROAD

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING (ALL)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm): 1-1/2"	4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"	3.5% @ 50 GYR.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm): 1-1/2"	4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"	3.5% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (1-1/2" & 3-1/2")	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm): 7"	4% @ 50 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (9.5mm): 1-1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (1-1/2" & 3-1/2")	4% @ 70 GYR.
SHOULDERS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL9.5mm): 2-1/2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm): 10-1/2"	4% @ 50 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N50 (IL9.5mm): 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm): PE 6", CE 8"	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.

FILE NAME = P:\50444116\500_Kor-A\10_CAD\20-SHEETS\CH12-0128-Typicals.dgn



USER NAME = andy.becker	DESIGNED - CJG	REVISED -
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PLOT DATE = 12/12/2016	CHECKED -	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
HIBBARD ROAD**

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	23
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

US RTE 41 (SKOKIE ROAD)

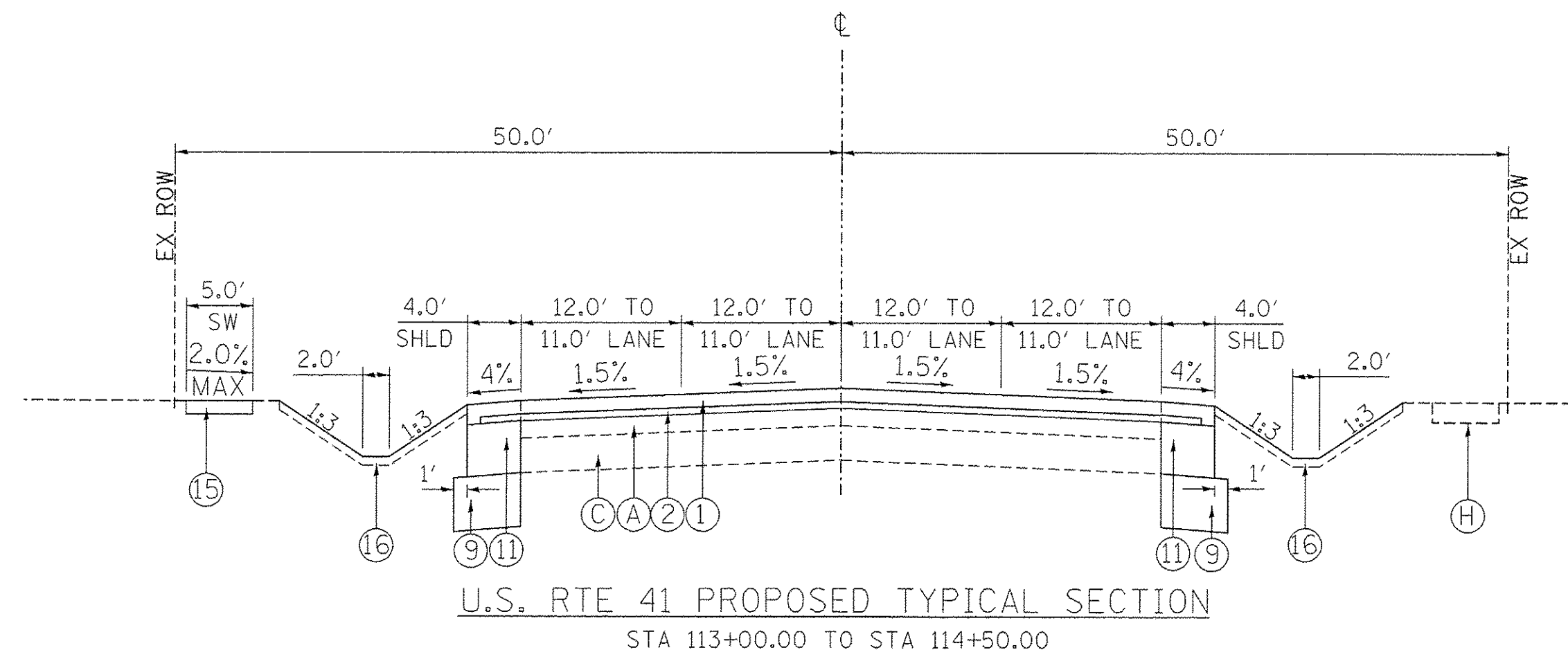
HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING (ALL)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm): 1-1/2"	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"	3.5% @ 50 GYR.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm): 1-1/2"	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"	3.5% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (1-1/2" & 3-1/2")	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm): 7"	4% @ 70 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm): 1-1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (1-1/2" & 3-1/2")	4% @ 70 GYR.
SHOULDERS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL9.5mm): 2-1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm): 10-1/2"	4% @ 70 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N50 (IL9.5mm): 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19mm): PE 6", CE 8"	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.

PAVEMENT LEGEND

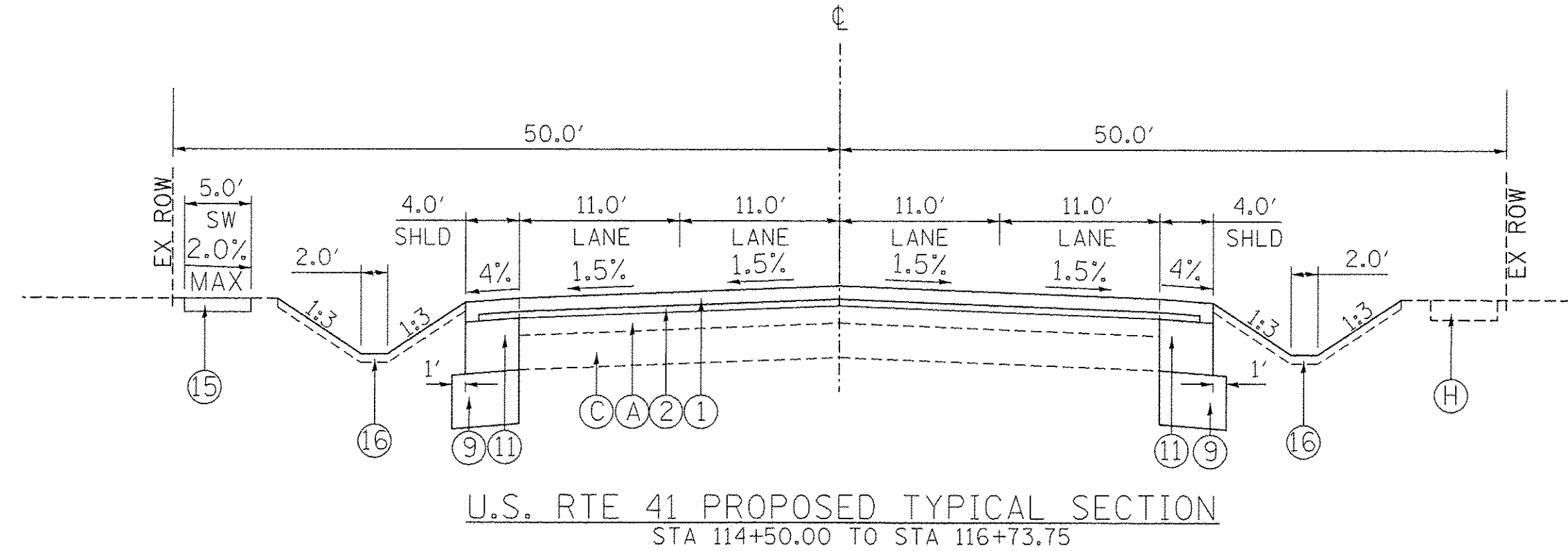
- (A) EX HMA (9-1/2" S. HIBBARD, 4" N. HIBBARD, 6" US41)
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- (C) EX PCC BASE COURSE (8" N. HIBBARD, 7" US41)
- (D) EX AGG SUBGRADE
- (E) PAVED SHOULDER REMOVAL
- (F) EX AGG SHOULDER
- (G) COMBINATION CURB AND GUTTER REMOVAL
- (H) EX PCC SIDEWALK
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1-1/2")
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (1")
- (3) HOT-MIX ASPHALT BASE COURSE, 7"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 7"
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (3-1/2" US41)
- (6) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"
- (7) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"
- (8) NOT USED
- (9) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (10) AGGREGATE SHOULDERS, TYPE B 8"
- (11) HOT-MIX ASPHALT SHOULDERS, 13"
- (12) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18
- (13) NOT USED
- (14) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (15) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (16) TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A MULCH, METHOD 2

NOTES:

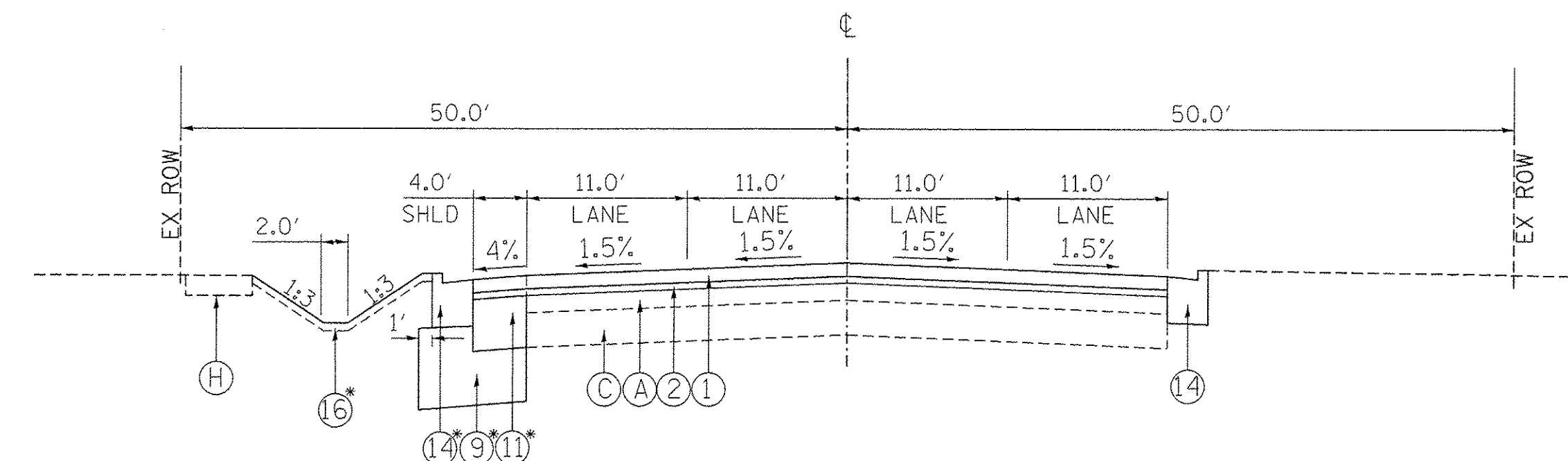
1. USE ADDITIONAL AGGREGATE SUBGRADE IMPROVEMENT 12" UNDER PROPOSED CURB AND GUTTER AS REQUIRED.
2. SURFACE COURSE SHOULD EXTEND 1 FOOT BEYOND POLYMERIZED LEVELING BINDER AT LOCATIONS WITHOUT CURB & GUTTER.



U.S. RTE 41 PROPOSED TYPICAL SECTION
STA 113+00.00 TO STA 114+50.00

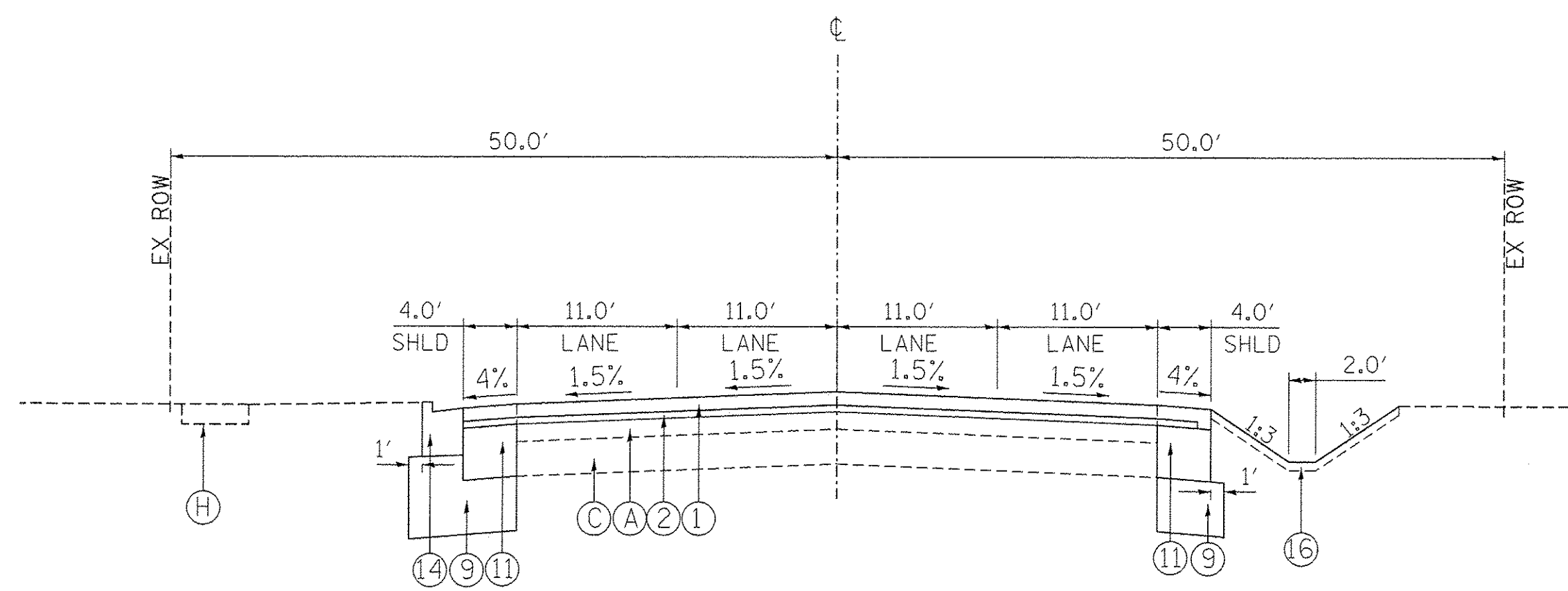


U.S. RTE 41 PROPOSED TYPICAL SECTION
STA 114+50.00 TO STA 116+73.75

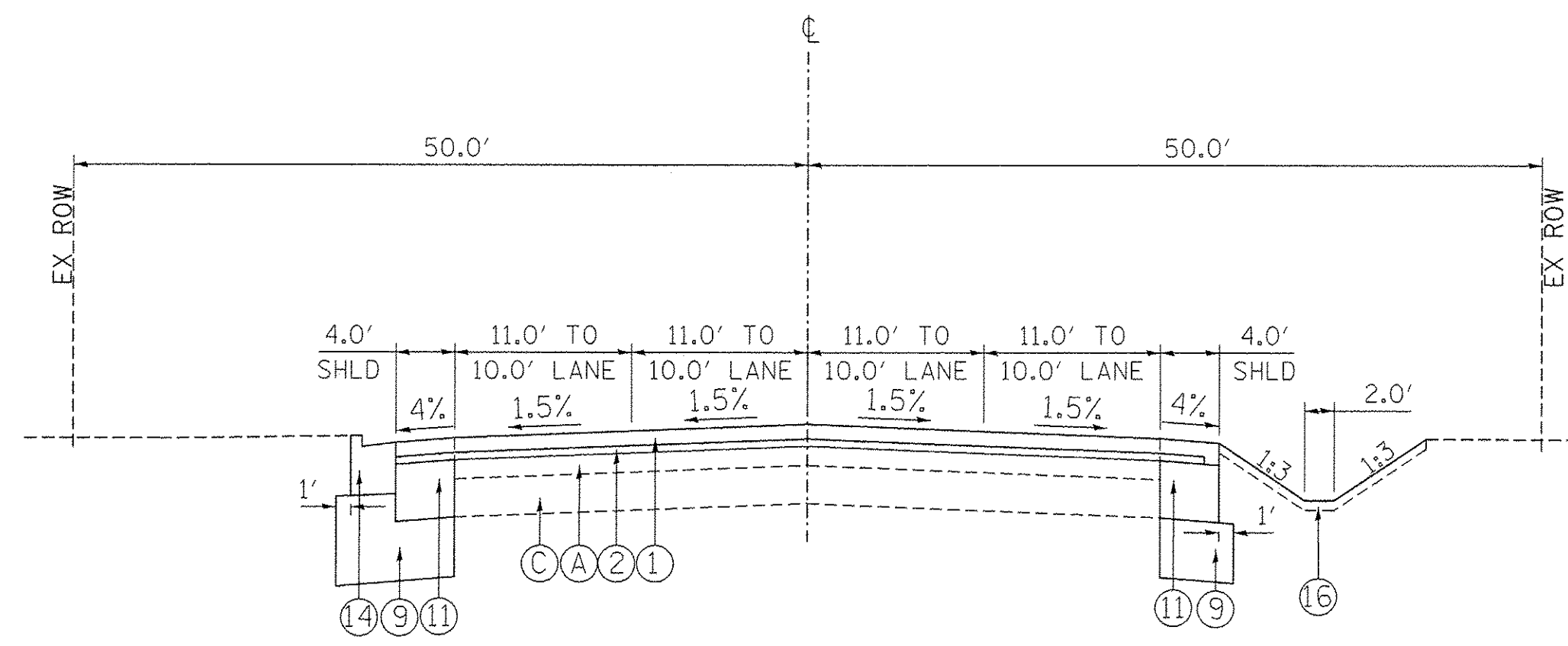


U.S. RTE 41 PROPOSED TYPICAL SECTION
STA 116+73.75 TO STA 119+89.62

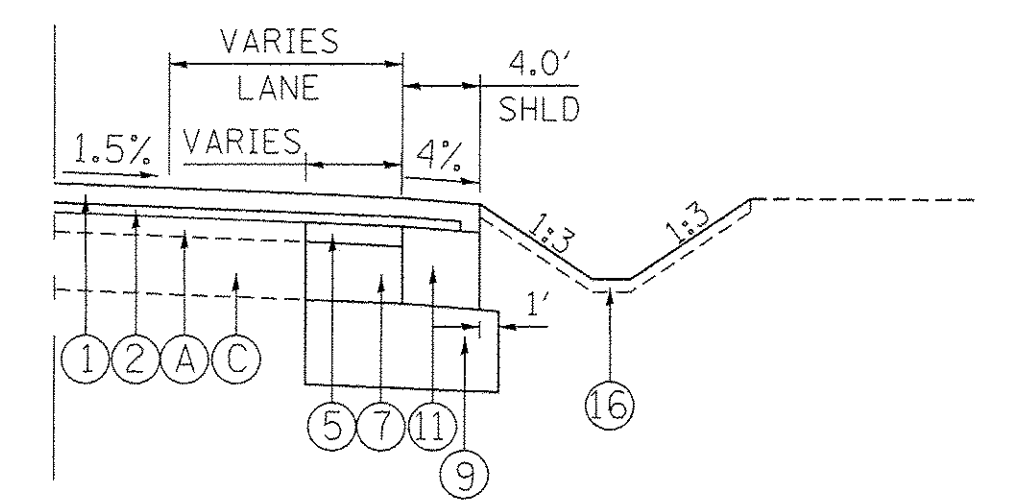
* BEGINS AT APPROXIMATE STATION 118+39.50



U.S. RTE 41 PROPOSED TYPICAL SECTION
STA 119+89.62 TO STA 122+00.00



U.S. RTE 41 PROPOSED TYPICAL SECTION
STA 122+00.00 TO STA 123+00.00



U.S. RTE 41 PROPOSED WIDENING (TYP)
LOCATIONS VARY

FILE NAME = P:\60444116\902_Kor-A\10_CAD_28-SHEETS\CH2-0126-Typicals.dgn



USER NAME = andybecker	DESIGNED - CJG	REVISED -
PLLOT SCALE = 10.0000' / in.	DRAWN - CJG	REVISED -
PLLOT DATE = 12/12/2016	CHECKED -	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
U.S. RTE 41

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	24
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				

PAVEMENT, CURB, SHOULDERS, BASE COURSE, AND GUARDRAIL

			30300112	35300300	35400200	35400300	35501312	35600704	40600290	40600827	40600982	40600990	40603080	40603085	40603335
			AGG SUBGRADE IMPR 12	PCC BSE CSE 8	PCC BASE CSE W 7	PCC BASE CSE W 8	HMA BASE CSE 7	HMA BC WID 7	BIT MATLS TACK CT	P LB MM IL-4.75 N50	HMA SURF REM BUTT JT	TEMPORARY RAMP	HMA BC IL-19.0 N50	HMA BC IL-19.0 N70	HMA SC "D" N50
STATION	STATION	ROADWAY	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(POUND)	(TON)	(SQ YD)	(SQ YD)	TON	TON	TON
15+65.0	19+25.0	HIBBARD	568				112	105	1649		28	51	192		128
19+25.0	24+25.0	HIBBARD	864	108		322			1484	88	12	22	36		
113+00.0	114+50.0	US 41	447		59					43	24	45		12	
114+50.0	122+00.0	US 41	652		240				5362	205				47	
122+00.0	123+00.0	US 41	259							38	20	37			
			2791	108	299	322	112	105	8496	374	84	155	228	59	128

PAVEMENT, CURB, SHOULDERS, BASE COURSE, AND GUARDRAIL

			40603340	42400200	44300100	48101600	48203049	60604400	60605000	63000001
			HMA SC "D" N70	PC CONC SIDEWALK 5	AREA REF CR CON TREAT	AGGREGATE SHLDS B 8	HMA SHOULDERS 13	COMB CC&G TB6.18	COMB CC&G TB6.24	SPBGR TY A 6FT POSTS
STATION	STATION	ROADWAY	TON	(SQ FT)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)	(FOOT)
15+65.0	19+25.0	HIBBARD		704	301	229	21	781	20	
19+25.0	24+25.0	HIBBARD	150	343	271		11	579	235	
113+00.0	114+50.0	US 41	109	1561	153		302			
114+50.0	122+00.0	US 41	308	962	733		237	784	75	
122+00.0	123+00.0	US 41	39		94		134			
			606	3570	1552	229	705	1360	1039	75

ENTRANCES AND RESURFACING

							35501308	35501316	40603335	42300200	44000200
			ENTRANCE TYPE	WIDTH (AT R.O.W.) (FEET)	WIDTH (AT SHLD) (FEET)	LENGTH (PERP.) (FEET)	HMA BASE CSE 6	HMA BASE CSE 8	HMA SC "D" N50	PCC DRIVEWAY PAVT 6	DRIVE PAVEMENT REM
STATION	SIDE	ROADWAY		(FEET)	(FEET)	(FEET)	(SQ YD)	(SQ YD)	(TON)	(SQ YD)	(SQ YD)
15+84.1	LT	HIBBARD	PE	17	27.9	20.8	43		4.8		41
16+00.9	RT	HIBBARD	PE	16	26.1	28.0	53		5.9		60
16+34.0	LT	HIBBARD	PE	28	50.0	27.4	99		11.1		113
16+95.0	LT	HIBBARD	PE	12	36.8	25.8	52		5.8		48
17+60.5	LT	HIBBARD	PE	12	33.7	23.5				44.0	34
19+48.8	LT	HIBBARD	PE	12	38.7	23.4				51.0	24
20+99.2	RT	HIBBARD	CE	22	42.0	9.5		34	3.9		49
21+53.2	RT	HIBBARD	CE	24	44.0	9.5		37	4.1		64
23+50.4	LT	HIBBARD	PE	14	39.5	17.7	45		5.1		50
114+15.3	LT	US 41	PE	20	43.8	16.9	53		6.0		56
117+76.1	RT	US 41	PE	14	34.0	17.8				39.0	33
TOTALS							345	71	47	134	573

FILE NAME = P:\AG044115\980_Mech\910_CADD\20-SHEETS\CH12-0128-Schedule of Quantities.dgn



USER NAME = andy.becker	DESIGNED - CJG	REVISED -
	DRAWN - FJS	REVISED -
PLOT SCALE = 1:8000' / 1"	CHECKED - CJG	REVISED -
PLOT DATE = 12/28/2016	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
SCHEDULE OF QUANTITIES**

SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	25
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

PAVEMENT, CURB, PIPE CULVERT, STORM SEWER REMOVALS														
			40601005	44000159	44000164	44000500	44000600	44002206	44002214	44002216	44002224	44003100	44004250	63200310
			HMA REPL OVER PATCH	HMA SURF REM 2 1/2	HMA SURF REM 3 3/4	COMB CURB GUTTER REM	SIDEWALK REM	HMA RM OV PATCH 1 1/2	HMA RM OV PATCH 3 1/2	HMA RM OV PATCH 4	HMA RM OV PATCH 6	MEDIAN REMOVAL	PAVED SHLD REMOVAL	GUARDRAIL REMOV
STATION	STATION	ROADWAY	(TON)	(SQ YD)	(SQ YD)	(FOOT)	(SQ FT)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ FT)	(SQ YD)	(FOOT)
15+65.0	19+25.0	HIBBARD			1407	240	651						4	
20+00.0	24+25.0	HIBBARD	90	1297		90	283	60		401		385	39	
113+00.0	114+50.0	US 41		733					38					
114+50.0	122+00.0	US 41	129	3778		426	145		184		384		851	237
122+00.0	123+00.0	US 41							23					
TOTALS			219	5808	1407	756	1079	60	245	401	384	385	894	237

EARTHWORK										
			20200100				30300001	20400800	20201200	21001000
			EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) FURNISHED EXCAVATION (CU YD)	UNSUITABLE EXCAVATION (REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL) (CU YD)	UNSUITABLE MATERIAL ADJUSTED FOR SHRINKAGE (25%) (CU YD)	GEOTECH FAB F/GR STAB (SQ YD)	
STATION	STATION	LOCATION	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)	
15+83.97	19+00.00	HIBBARD	193	145	112	33	366	275	119	
19+00.00	24+00.00	HIBBARD	132	99	287	-188	583	437	114	
113+00.00	123+50.00	US 41	391	293	378	-85	1,328	996		
TOTAL:			717	537	778	-240	2277	1,708	233	

LANDSCAPING AND EROSION CONTROL																
STATION	STATION	LOCATION	ROADWAY	21101625	25000210	25000400	25000500	25000600	25100115	25100630	25200110	25200200	28000305	28000400	28000510	
				TOPSOIL F & P 6 (SQ YD)	SEEDING CL 2A (ACRE)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	MULCH METHOD 2 (ACRE)	EROSION CONTR BLANKET (SQ YD)	SODDING, SALT TOLERANT (SQ YD)	SUPPLE WATERING (UNIT)	TEMP DITCH CHECKS (FOOT)	PERIMETER EROS BAR (FOOT)	INLET FILTERS (EACH)	
15+65.0	18+90.0	RT	HIBBARD	367		14	14	14			367	24			8	
15+65.0	19+25.0	LT	HIBBARD	702		26	26	26			701	45			5	
19+25.0	19+97.3	LT	HIBBARD	143		5	5	5			143	10			1	
20+73.8	24+25.0	RT	HIBBARD	435	0.1	24	24	24	0.1			7		335	6	
21+52.6	24+25.0	LT	HIBBARD	459	0.1	25	25	25	0.1			7			5	
113+00.0	116+45.0	LT	US41	592	0.1	33	33	33	0.1	177		9	6	345	5	
113+00.0	118+00.0	RT	US41	906	0.1	51	51	51	0.1	241		14	12	37	4	
117+25.0	123+00.0	LT	US41	1394	0.3	78	78	78	0.3			21		552	4	
119+75.0	123+64.0	RT	US41	1073	0.2	60	60	60	0.2			16			4	
TOTALS				6071	1	316	316	316	1	418	1211	153	18	1269	42	

FILE NAME = F:\6044418\300L\Work\310_CAD\20-SHEETS\CHIZ-0126-Schedule of Quantities.dgn



USER NAME = andy.becker	DESIGNED - CUG	REVISED -
PLOT SCALE = 1,0000' / 1"	DRAWN - FJS	REVISED -
PLOT DATE = 12/12/2016	CHECKED - CUG	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
SCHEDULE OF QUANTITIES**

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	26
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

TREE REMOVAL AND TREE PROTECTION			20100110	20100210	20101000	20101200	20101300	20101350
STATION	LOCATION	ROADWAY	TREE REMOV 6-15 (UNIT)	TREE REMOV OVER 15 (UNIT)	TEMP FENCE (FEET)	TREE ROOT PRUNING (EACH)	TREE PRUN 1-10 (EACH)	TREE PRUN OVER 10 (EACH)
15+98.2	28.08' LT	HIBBARD			50			
16+09.9	27.44' LT	HIBBARD			63			
17+27.9	23.86' LT	HIBBARD			69	1		1
17+83.8	31.87' LT	HIBBARD			19			
19+03.0	32.12' LT	HIBBARD			88	1		1
19+22.0	32.08' LT	HIBBARD			88			
19+65.9	34.16' LT	HIBBARD			57			
22+86.7	25.61' LT	HIBBARD			50	1	1	
23+24.2	25.38' LT	HIBBARD			88	1		1
23+71.9	21.67' LT	HIBBARD			201	1		1
23+97.4	25.26' RT	HIBBARD			57			
24+06.0	23.32' LT	HIBBARD			50			
113+11.4	45.32' LT	US41	6					
113+12.3	46.26' LT	US41		28				
113+35.3	46.36' LT	US41		28				
113+42.6	47.13' LT	US41	9					
113+54.6	47.62' LT	US41	8					
113+64.0	47.87' LT	US41	6					
113+64.0	47.87' LT	US41	7					
113+83.1	47.32' LT	US41		16				
113+89.9	46.40' LT	US41	9					
113+89.9	46.40' LT	US41	11					
113+89.9	46.40' LT	US41	12					
114+38.9	46.20' LT	US41		18				
114+38.9	46.20' LT	US41		20				
114+38.9	46.20' LT	US41		24				
114+56.9	46.23' LT	US41		16				
114+56.9	46.23' LT	US41		16				
114+66.3	48.60' LT	US41	6					
114+66.3	48.60' LT	US41	9					
114+66.3	48.60' LT	US41	11					
114+66.3	48.60' LT	US41	15					
114+83.3	47.95' LT	US41	6					
114+88.0	48.18' LT	US41	6					
114+88.0	48.18' LT	US41	9					
114+96.5	45.85' LT	US41	8					
114+99.9	46.21' LT	US41	7					
115+88.4	48.31' LT	US41		30				
115+99.1	48.10' LT	US41	11					
118+07.0	52.58' LT	US41			44			
118+41.7	49.44' LT	US41			63			
119+29.2	46.69' LT	US41			57	1	1	
119+88.3	48.16' RT	US41			94	5	4	1
119+97.7	48.59' RT	US41			38	1	1	
120+14.2	38.79' LT	US41			113			
120+17.6	46.44' RT	US41			38	1	1	
120+26.3	47.56' RT	US41			38	1	1	
120+49.6	47.13' RT	US41			107	2		2
120+64.7	49.04' RT	US41			88	2	1	1
120+98.1	41.95' LT	US41			100			
121+50.4	34.90' LT	US41			94	1		1
121+97.8	35.30' LT	US41			126	1		1
122+40.1	34.93' LT	US41			126	1		1
120+70.0	TREE LINE (RT)	US41			294			
		TOTALS	156	196	2300	21	10	11

FILE NAME = P:\60444115\000\CD\20-SHEETS\CH12-012B-Schedule of Quantities.dgn



USER NAME = andy.becker	DESIGNED - CJG	REVISED -
PLLOT SCALE = 1:8000' / 1"	DRAWN - FJS	REVISED -
PLLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
SCHEDULE OF QUANTITIES**

SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	27
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

PAVEMENT PATCHING																
			44200089	44200094	44200099	44200101	44200120	44200126	44201313	44201317	44201321	44201323	44201325	44201329	44201333	44201335
			PAVT PATCH T1 8	PAVT PATCH T2 8	PAVT PATCH T3 8	PAVT PATCH T4 8	PAVT PATCH T2 10	PAVT PATCH T4 10	CLASS C PATCHES							
									T1 7	T2 7	T3 7	T4 7	T1 8	T2 8	T3 8	T4 8
STATION	STATION	ROADWAY	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
15+65.0	19+25.0	HIBBARD	75	75	75	75	94	508								
20+00.0	24+25.0	HIBBARD	8	8	8	8		70					60	155	60	320
113+00.0	114+50.0	US 41							39	37	39	37				
114+50.0	122+00.0	US 41							183	392	183	283				
122+00.0	123+00.0	US 41							23	22	23	22				
TOTAL			83	83	83	83	94	578	245	451	245	342	60	155	60	320

DETECTABLE WARNINGS, CONCRETE MEDIAN				
			42400800	60618300
			DETECTABLE WARNINGS	CONC MEDIAN SURF 4
STATION	SIDE	ROADWAY	(SQ FT)	(SQ FT)
1003+50.0	RT	WASH	10	
1003+50.0	LT	WASH	10	
18+94.5	LT	HIBBARD	10	
MEDIAN A	RT	HIBBARD	30	598
MEDIAN B	LT	HIBBARD	30	456
20+68.8	RT	HIBBARD	10	
116+46.5	LT	US 41	10	
116+94.9	RT	US 41	10	
119+00.5	LT	US 41	10	
119+69.1	RT	US 41	10	
TOTALS			140	1055

SIGNING											72000100	72400310	72400710	72900100	72900200
EXIST STATION	PROPOSED STATION	OFFSET		ROADWAY	SIGN #	SIGN DESCRIPTION	SIGN PANEL T1 (SQ FT)	REMOV SIGN PANEL T1 (SQ FT)	RELOC SIGN PANEL T1 (SQ FT)	METAL POST - TYPE A (FOOT)	METAL POST - TYPE B (FOOT)				
		LT.	RT.												
18+29		X		HIBBARD	A-1	HIBBARD RD		0.8	0.8						
					A-1	WASHINGTON AVE		0.8	0.8						
					R2-1	SPEED LIMIT 30		5.0	5.0						
18+90	18+90		X	HIBBARD	R10-6a	STOP HERE ON RED		5.0	5.0		13.5				
18+90	19+05		X	HIBBARD	A-1	SKOKIE RD		0.8	0.8	11.5					
					A-1	HIBBARD RD		0.8	0.8						
18+87	18+90		X	HIBBARD	M1-4	US41		4.0	4.0						
					M6-4	BI-DIRECTIONAL ARROW		2.2	2.2						
					R1-1	STOP (FOLDED)		6.3	6.3						
20+79	21+05	X		HIBBARD	M1-4	US41		4.0	4.0						
					M6-4	BI-DIRECTIONAL ARROW		2.2	2.2						
					R1-1	STOP (FOLDED)		6.3	6.3						
21+24			X	HIBBARD	R2-1	SPEED LIMIT 30		5.0	5.0						
					R7-1	NO PARKING ANY TIME		1.5	1.5						
	21+25	X		HIBBARD	R10-6a	STOP HERE ON RED	5.0				13.5				
21+93		X		HIBBARD	R8-2	NO PARKING ON SHOULDER		1.5							
22+99		X		HIBBARD	R8-2	NO PARKING ON SHOULDER		1.5							
23+71			X	HIBBARD	R8-2	NO PARKING ON SHOULDER		1.5							
23+99		X		HIBBARD	R8-2	NO PARKING ON SHOULDER		1.5							
114+82	114+81	X		US41	R2-1	SPEED LIMIT 40		6.0	7.5						
					R7-1	NO PARKING ANYTIME		1.5	1.5	30.0					
115+18	115+17		X	US41	SP-1	PENALTY FOR LITTERING PUBLIC HIGHWAYS		3.8	3.8						
					R7-1	NO PARKING ANYTIME		1.5	1.5	27.0					
116+99	116+94		X	US41	R1-1	STOP (FOLDED)		6.3	6.3						
117+30	116+94	X		US41	R1-1	STOP (FOLDED)		6.3	6.3		13.5				
118+70	119+07	X		US41	R1-1	STOP (FOLDED)		6.3	6.3						
119+17	119+07		X	US41	R1-1	STOP (FOLDED)		6.3	6.3		13.5				
122+51	122+51	X		US41	SP-2	NO PARKING STOPPING OR STANDING		1.5	1.5	12.0					
TOTALS							5	91	86	81	54				

FILE NAME = F:\60444116\900\Work\910_CAD\20-SHEETS\CH2-012B-Schedule of Quantities.dgn



USER NAME = andy.becker
 DESIGNED -
 DRAWN -
 CHECKED -
 PLOT DATE = 12/12/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
 SCHEDULE OF QUANTITIES

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	28
CONTRACT NO. 61C76				

ILLINOIS FED. AID PROJECT

PAVEMENT MARKING													
			78000100		78000200			78000400		78000600	78000650	78100100	78300200
			THPL PVT MK LTR & SYM		THPL PVT MK LINE 4			THPL PVT MK LINE 6		THPL PVT MK LINE 12	THPL PVT MK LINE 24	RAISED REFL PAVT MKR	RAISED REF PVT MK REM
			ARROW	ONLY	DBL C-L YELLOW	SKIP C-L WHITE	SOLID EDGE WHITE	LANE WHITE	DOTTED WHITE	DIAG. YELLOW	STOP BAR WHITE		
STATION	STATION	ROADWAY	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)
12+10.0	18+90.0	Hibbard	47	21	1360		1047	115	53		26	21	
18+90.0	20+86.0	Hibbard								152			
20+86.0	31+14.0	Hibbard	47	21	2056		620	122	53		28	22	18
108+70.0	116+90.0	US41			1640	410	1559			40	43	40	40
116+90.0	119+10.0	US41					564			168			6
119+10.0	131+65.0	US41			2510	628	2360			40	43	40	34
1003+43.2	1004+00.0	WASHINGTON								62	17		
TOTALS			94	42	7566	1038	6150	237	106	462	157	123	98
			136		14754			343					

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303 East Wacker Drive, Suite 1400, Chicago, IL 60601
T 1-312-373-7700 F 1-312-373-6800

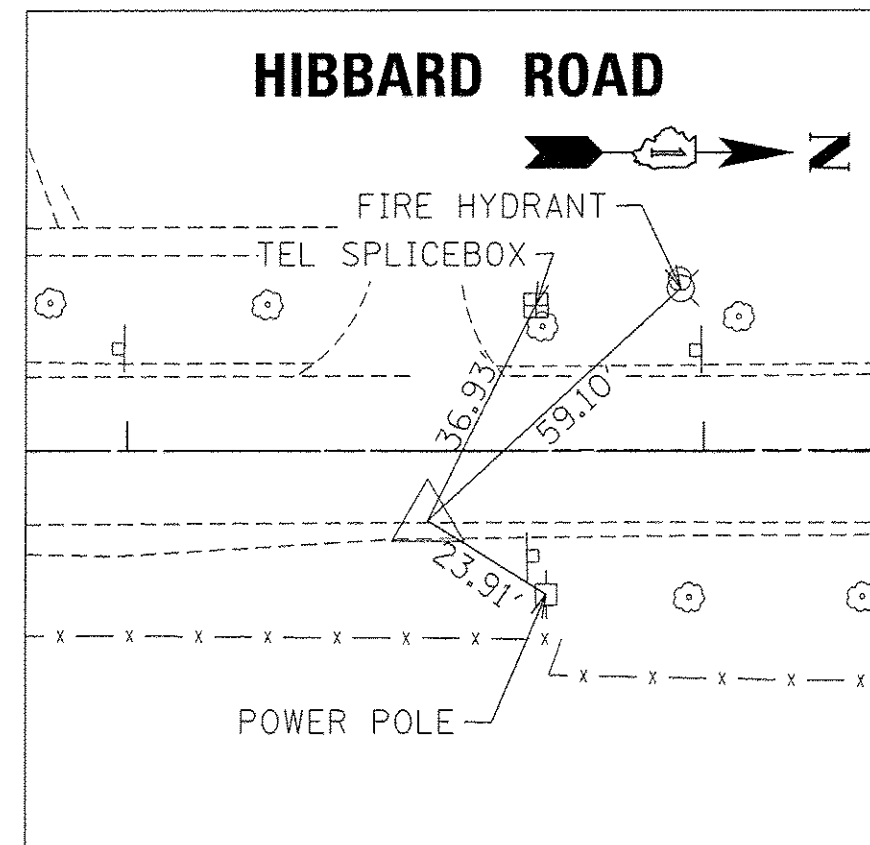
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PLOT DATE = 12/12/2016	DATE = 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
SCHEDULE OF QUANTITIES

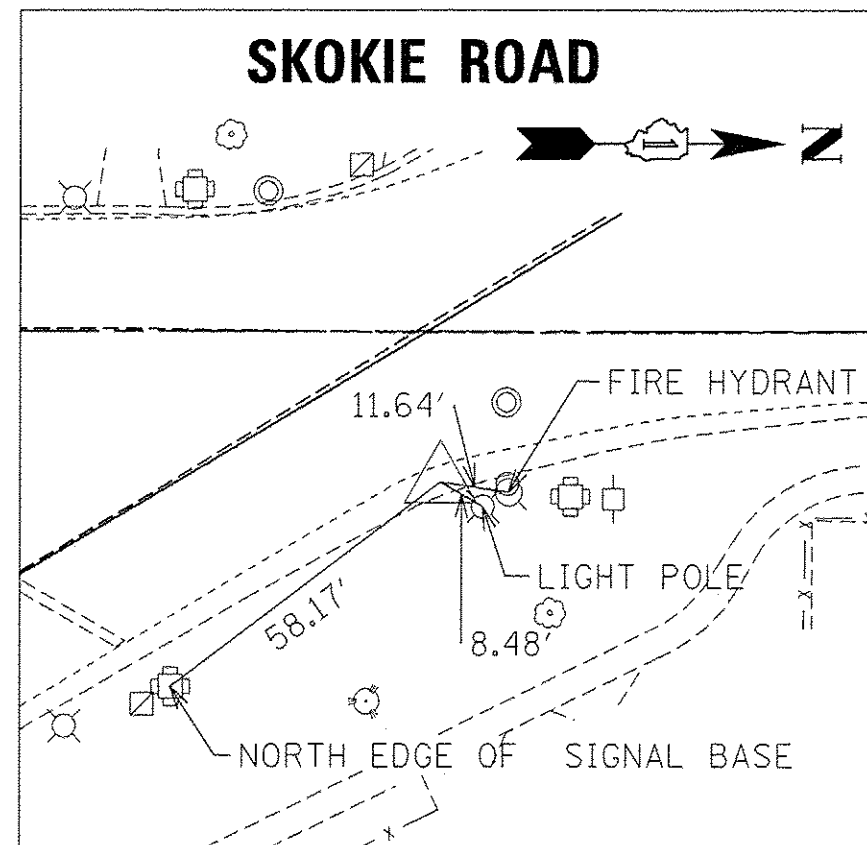
SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	29
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	



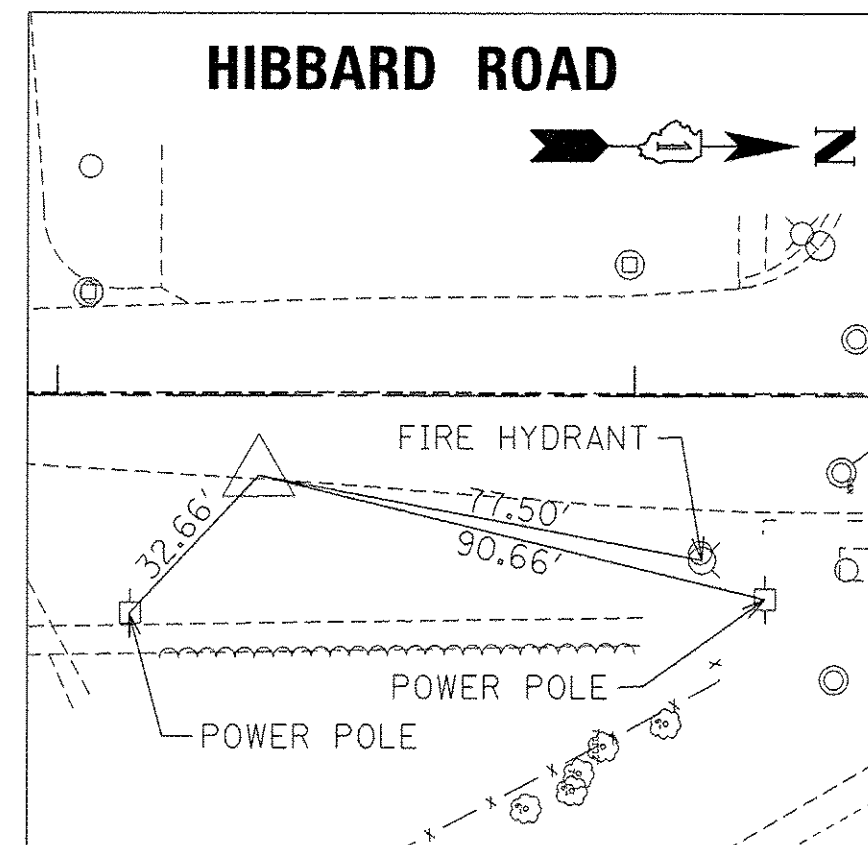
CONTROL POINT #3

SET MAG NAIL EAST SIDE OF HIBBARD RD. ACROSS FROM 729 / 731 DRIVEWAY
 STA 23+52.12
 N=1971255.9140
 E=1142137.9160
 ELEV=623.54



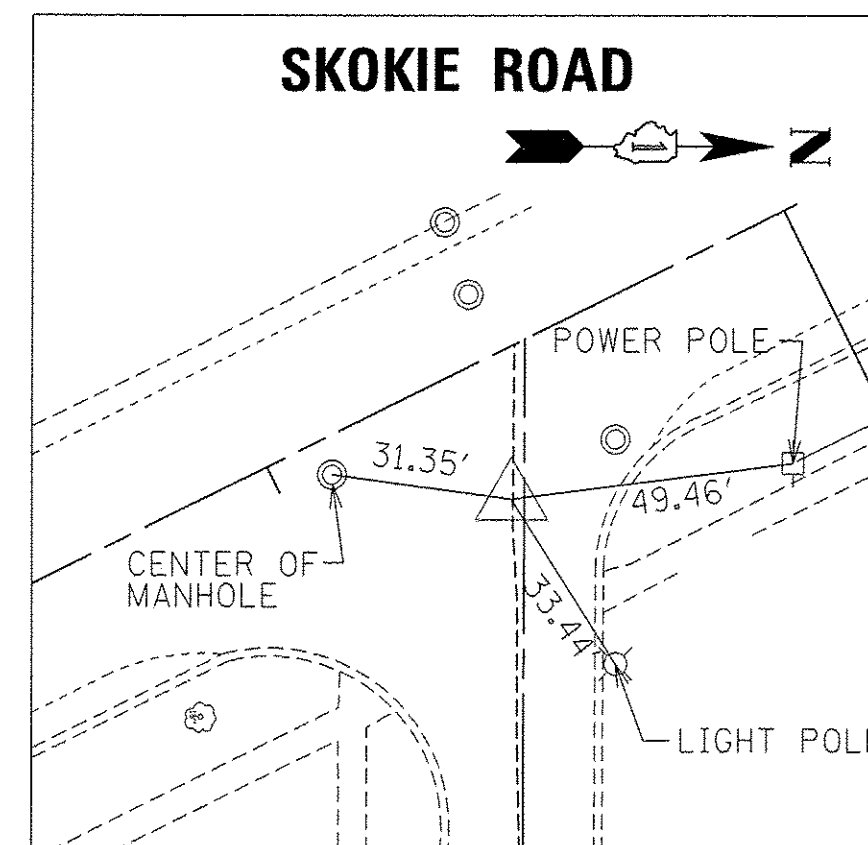
CONTROL POINT #4

SET MAG NAIL N.E. CORNER OF HIBBARD RD. AND SKOKIE RD.
 STA 118+11.51
 N=1970905.9980
 E=1142150.8690
 ELEV=623.15



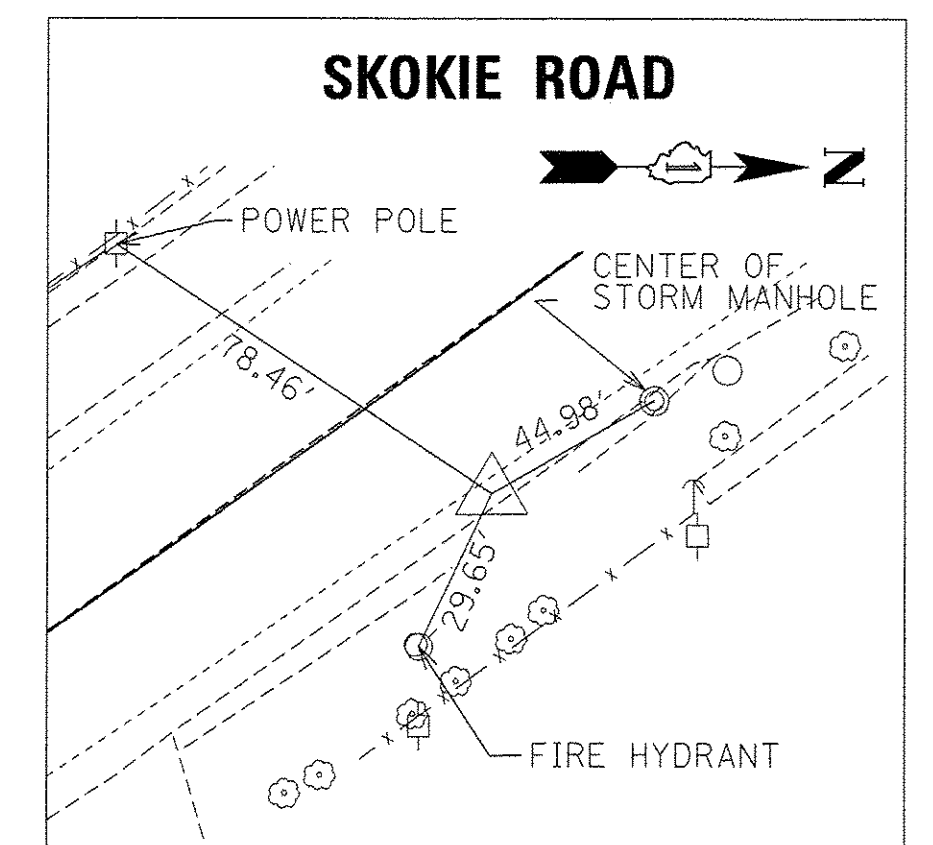
CONTROL POINT #5

SET MAG NAIL EAST SIDE OF HIBBARD RD. ACROSS FROM 643 HOUSE
 STA 17+34.89
 N=1970638.6840
 E=1142137.8670
 ELEV=623.04



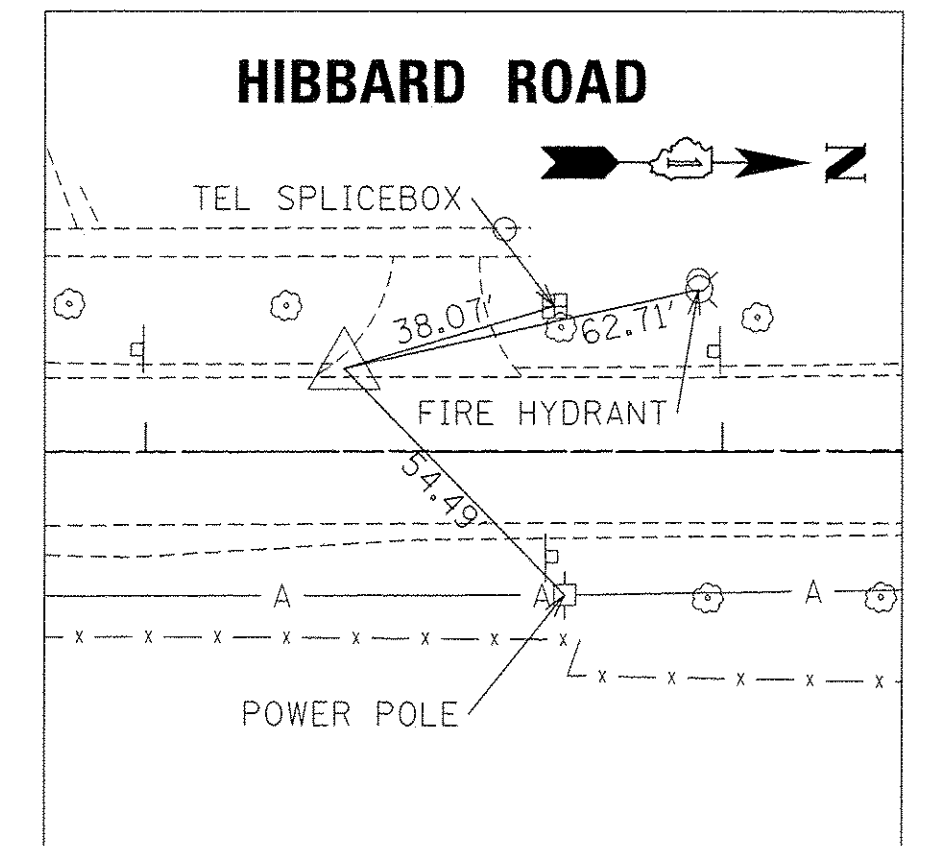
CONTROL POINT #9

SET MAG NAIL ϕ OF HIGHLAND AVE ON THE NORTH SIDE OF SKOKIE RD
 STA 123+64.54
 N=1970416.7340
 E=1142412.3590
 ELEV=622.50



CONTROL POINT #12

SET MAG NAIL N. SIDE OF SKOKIE RD. 75' EAS OF 746 748 DRIVEWAY
 STA 113+30.85
 N=1971311.3780
 E=1141889.2950
 ELEV=623.59



CONTROL POINT #15

SET MAG NAIL IN 729 731 DRIVEWAY
 STA 23+34.40
 ELEV=623.57
 N=1971238.2761
 E=1142111.4353

PROP. CURVE SKOKIE-2
 PI STA. = 114+69.85
 $\Delta = 4^\circ 32' 21''$ (RT)
 $D = 1^\circ 06' 45''$
 $R = 5,150.00'$
 $T = 204.11'$
 $L = 408.00'$
 $E = 4.04'$
 $e = NC$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 112+65.75$
 $P.T. STA. = 116+73.75$

PROP. CURVE SKOKIE-3
 PI STA. = 119+94.33
 $\Delta = 5^\circ 26' 05''$ (RT)
 $D = 1^\circ 04' 52''$
 $R = 5,300.00'$
 $T = 251.55'$
 $L = 502.72'$
 $E = 5.97'$
 $e = NC$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 117+42.78$
 $P.T. STA. = 122+45.50$

BENCHMARK #1

ELEV=626.66
 N.E. CORNER LAKE AND LOCUST, BRASS DISK IN STONE COLUMN

BENCHMARK #2

ELEV=625.48
 SQUARE CUT IN N.E. CORNER OF CONC. BASE IDOT SIGNAL BOX AT THE INTERSECTION OF HIBBARD RD AND LAKE

BENCHMARK #3

ELEV=625.54
 SET "X" IN THE EAST BOLT OF THE FIRST FH NORTH OF SKOKIE RD. WEST SIDE OF HIBBARD RD.

BENCHMARK #4

ELEV=624.84
 SET "X" IN THE WEST BOLT OF THE FH AT THE N.E. CORNER OF SKOKIE RD. AND HIBBARD RD.

BENCHMARK #5

ELEV=624.18
 SET "X" IN THE WEST BOLT OF THE FH BETWEEN BARCLAY LN AND CENTRAL AVE ON THE EAST SIDE OF HIBBARD RD.

BENCHMARK #6

ELEV=624.27
 SET "X" IN THE NORTH EAST BOLT OF THE FH AT THE N.E. CORNER OF SKOKIE RD AND CENTRAL AVE

ALIGNMENT COORDINATES U.S. RTE 41				
CURVES	POINT	NORTHING	EASTING	STATION
PR. SKOKIE-2	PRC	1971349.8192	1141831.0581	STA 112+65.75
	PI	1971185.1421	1141951.6442	STA 114+69.85
	PT	1971011.4373	1142058.8203	STA 116+73.75
PR. SKOKIE-3	PC	1970952.6907	1142095.0668	STA 117+42.78
	PI	1970738.6105	1142227.1543	STA 119+94.33
	PT	1970512.9825	1142338.3721	STA 122+45.50
	POT	1970419.1370	1142384.6637	STA 123+50.14
ALIGNMENT COORDINATES HIBBARD ROAD				
	POT	1970403.8301	1142123.3143	STA 15+00.00
	POT	1971403.8254	1142126.3894	STA 25+00.00
ALIGNMENT COORDINATES WASHINGTON AVENUE				
	POT	1970759.0807	1141724.4134	STA 1000+00.00
	POT	1970756.0648	1142124.3975	STA 1004+00.00

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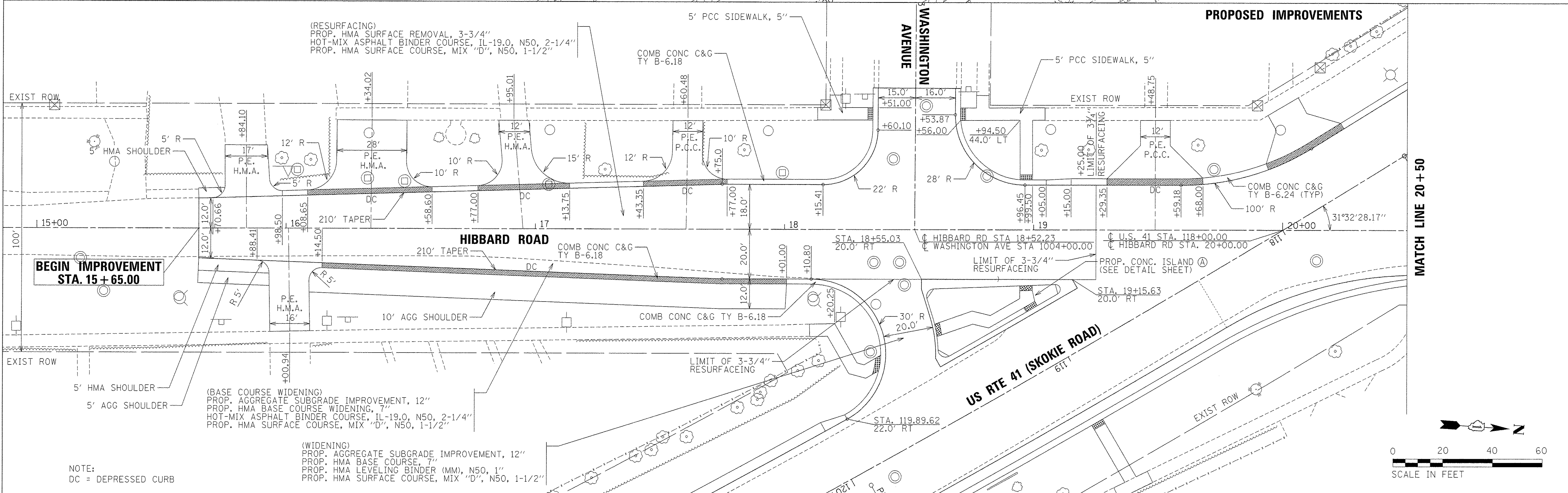
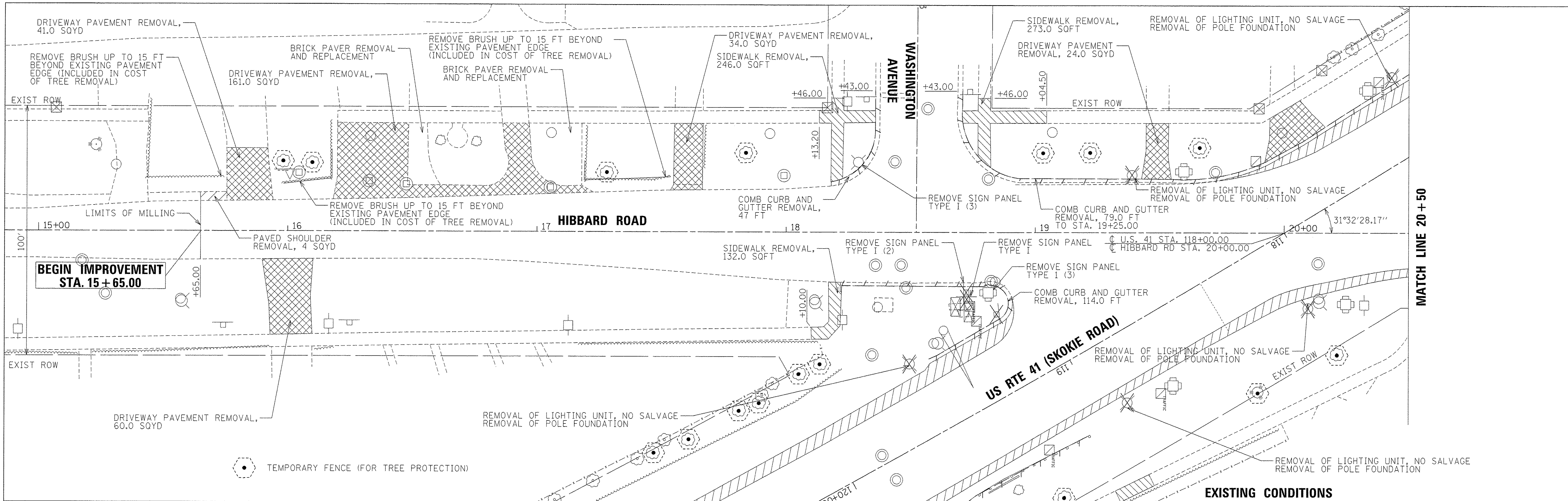
USER NAME = andy.becker	DESIGNED - CJG	REVISED -
PLOT SCALE = 50,000' / 1"	DRAWN - FJS	REVISED -
PLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
 ALIGNMENT TIES AND BENCHMARKS

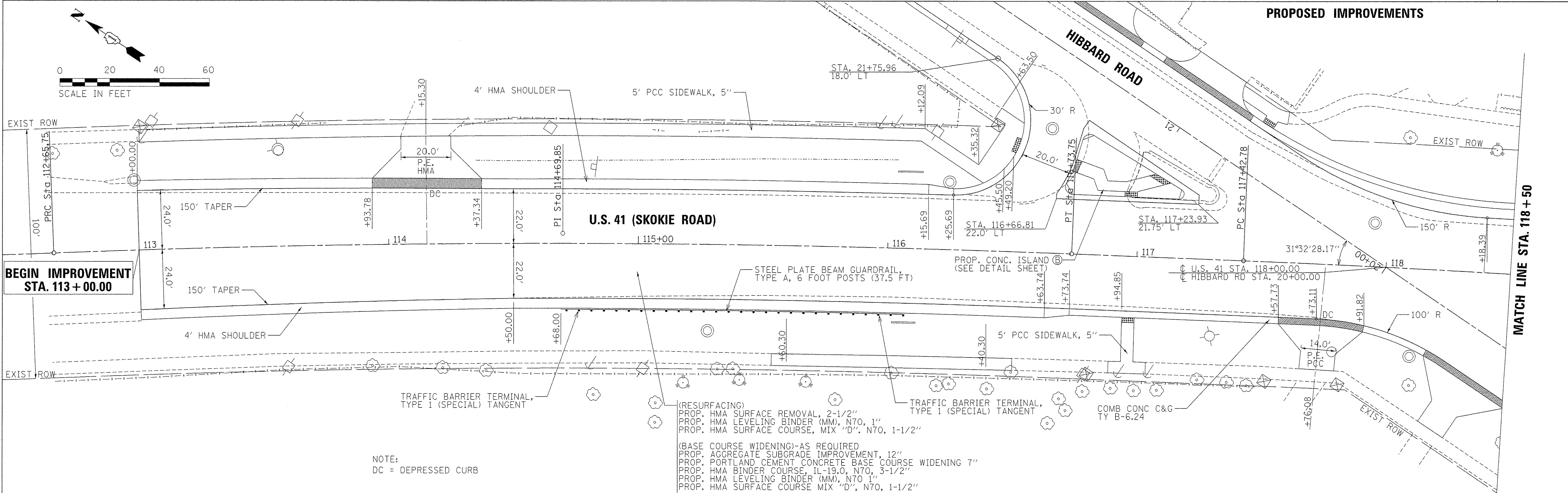
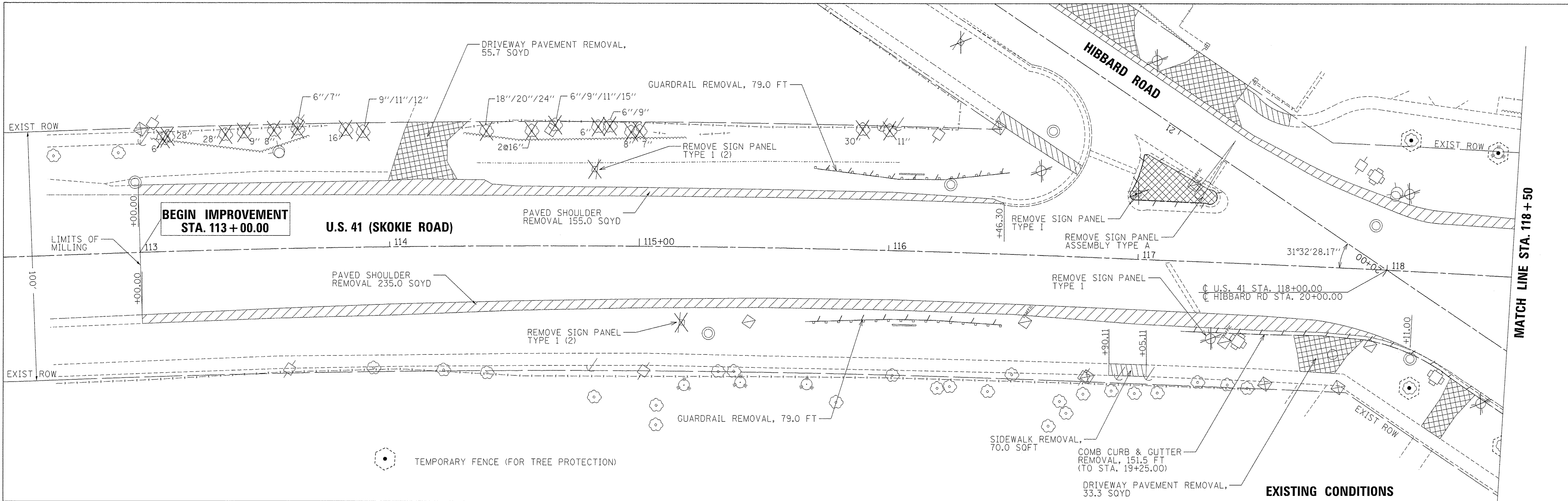
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 30
CONTRACT NO. 61C76				
[ILLINOIS] FED. AID PROJECT				



AECOM <small>303 East Wacker Drive, Suite 1400, Chicago, IL 60601 T: 312-373-7700 F: 312-373-8800</small>	USER NAME = andy.becker PLOT SCALE = 20,000/9" / 1" = 2000 PLOT DATE = 12/12/2016	DESIGNED - IJ DRAWN - FJS CHECKED - CJG DATE - 7/28/2016	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. 41 (SKOKIE RD) AT HIBBARD RD ROADWAY AND REMOVAL PLAN	F.A.P. RTE. = 350 SECTION = 12-00194-00-CH COUNTY = COOK TOTAL SHEETS = 140 SHEET NO. = 31	CONTRACT NO. 61C76 ILLINOIS FED. AID PROJECT
	NOTE: DC = DEPRESSED CURB				SCALE: 1"=20' SHEET 1 OF 4 SHEETS STA. 15+50.00 TO STA. 20+50.00	STA. 15+50.00 TO STA. 20+50.00	

FILE NAME = F:\6044116\980_VorA\310_CAD\20-SHEETS\CH12-0128-Roadway\Plan01.dgn



NOTE:
DC = DEPRESSED CURB

(RESURFACING)
PROP. HMA SURFACE REMOVAL, 2-1/2"
PROP. HMA LEVELING BINDER (MM), N70, 1"
PROP. HMA SURFACE COURSE, MIX "D", N70, 1-1/2"

(BASE COURSE WIDENING)-AS REQUIRED
PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
PROP. PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"
PROP. HMA BINDER COURSE, IL-19.0, N70, 3-1/2"
PROP. HMA LEVELING BINDER (MM), N70, 1"
PROP. HMA SURFACE COURSE MIX "D", N70, 1-1/2"

FILE NAME = P:\60444116\902_Vorh\910_CAD\20-SHEETS\CH12-0128-Roadway-Plan\083.dgn



USER NAME = andy.becker
PLOT SCALE = 20.0000' / 1"
PLOT DATE = 12/12/2016

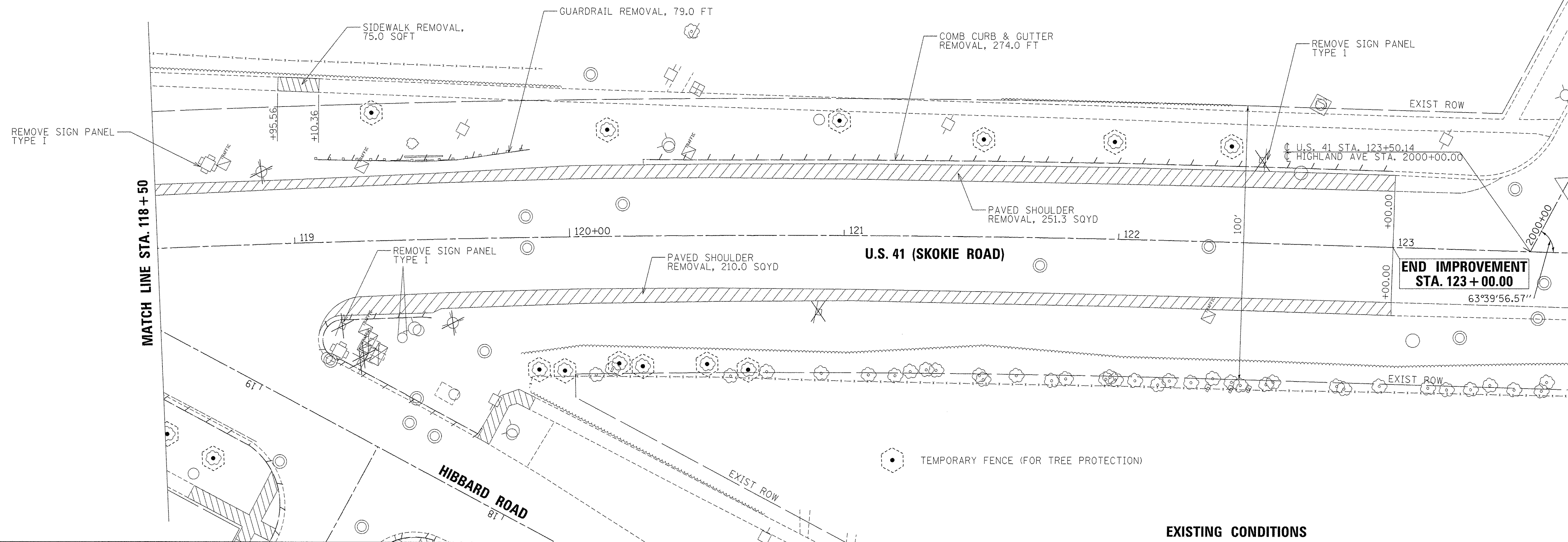
DESIGNED - IJ	REVISED -
DRAWN - FJS	REVISED -
CHECKED - CJG	REVISED -
DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

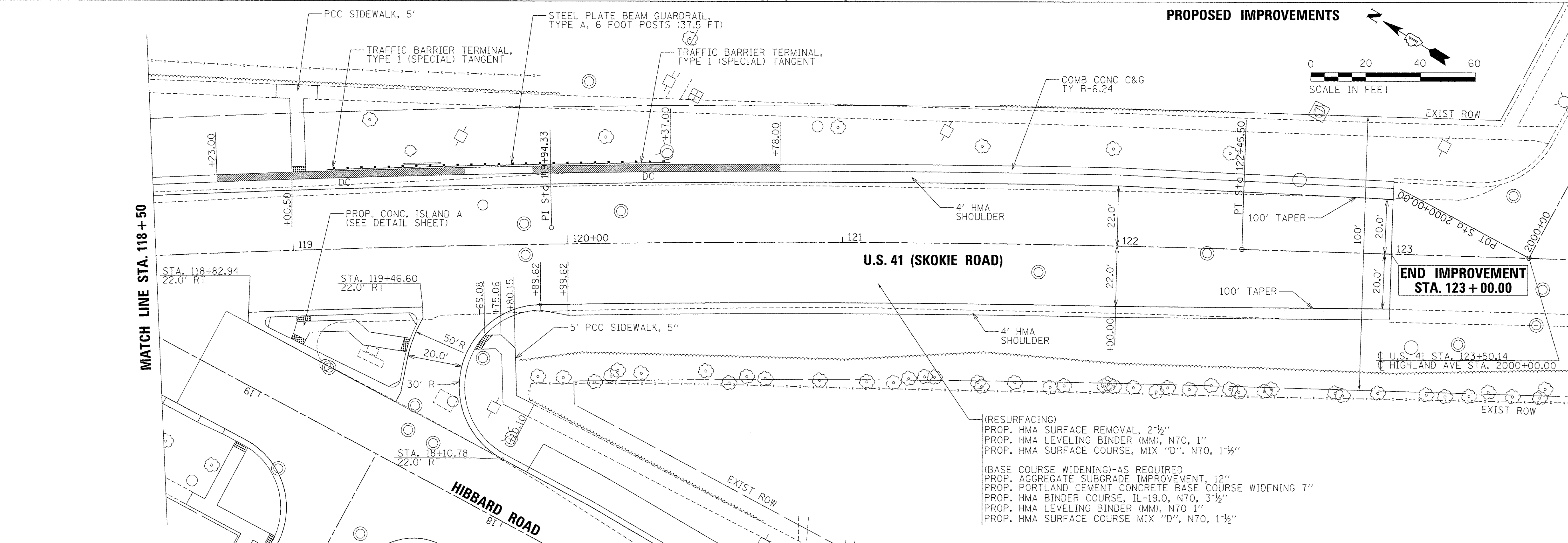
U.S. 41 (SKOKIE RD) AT HIBBARD RD
ROADWAY AND REMOVAL PLAN

SCALE: 1"=20'
SHEET 3 OF 4 SHEETS
STA. 113+00.00 TO STA. 118+50.00

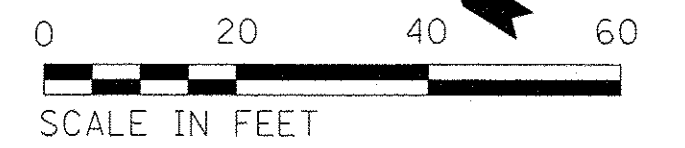
F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 33
CONTRACT NO. 61CT6				
[ILLINOIS] FED. AID PROJECT				



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS



(RESURFACING)
 PROP. HMA SURFACE REMOVAL, 2-1/2"
 PROP. HMA LEVELING BINDER (MM), N70, 1"
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1-1/2"
 (BASE COURSE WIDENING)-AS REQUIRED
 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
 PROP. PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"
 PROP. HMA BINDER COURSE, IL-19.0, N70, 3-1/2"
 PROP. HMA LEVELING BINDER (MM), N70 1"
 PROP. HMA SURFACE COURSE MIX "D", N70, 1-1/2"

FILE NAME = P:\60444116\900L\work\110_CAD\20-SHEETS\CH12-0128-Roadway-Plan\004.dgn



USER NAME = andy.becker	DESIGNED - IJ	REVISED -
PLLOT SCALE = 20,0000 ' / in.	DRAWN - FJS	REVISED -
PLLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

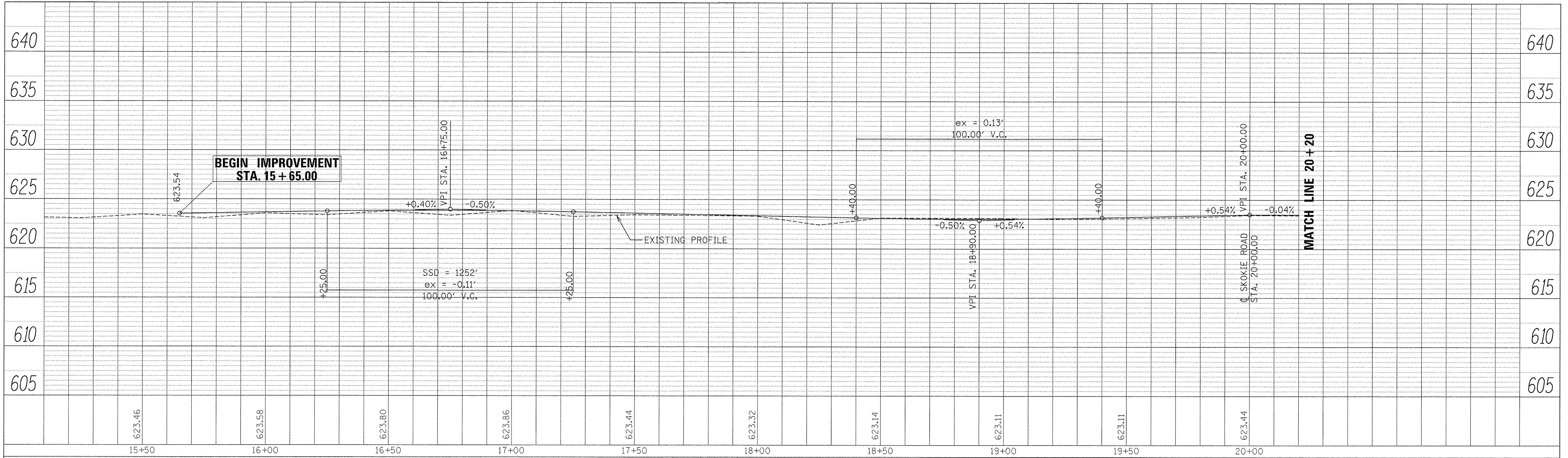
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
ROADWAY AND REMOVAL PLAN**

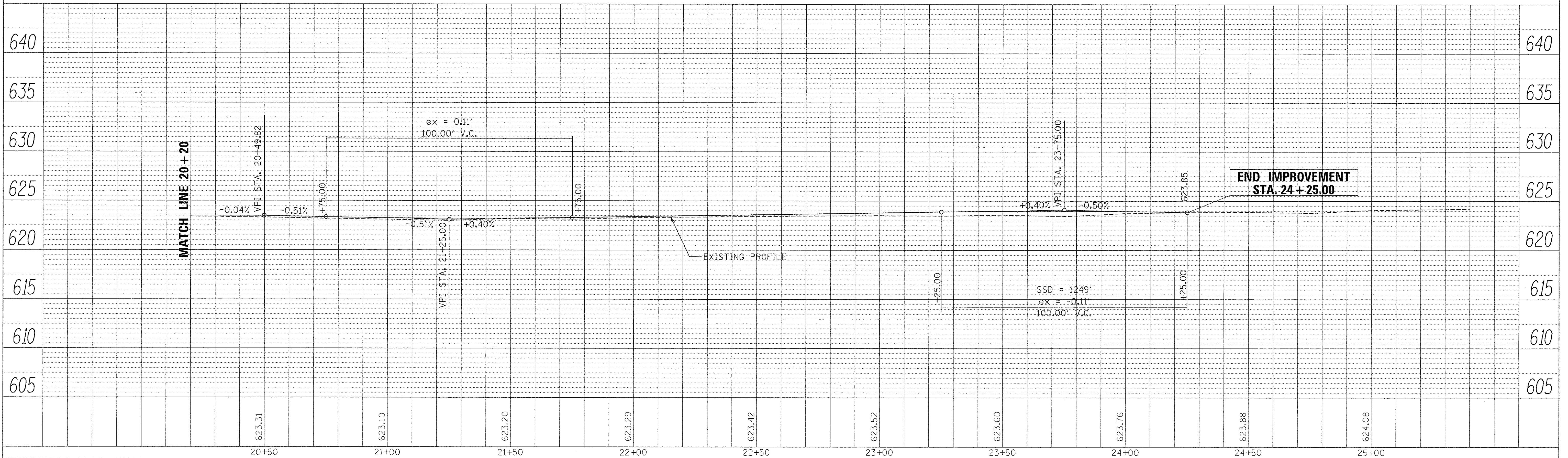
SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. 118+50.00 TO STA. 123+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	34
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	NO.
	CADD FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS CHKD	NO.



USER NAME = andy.becker
 PLOT SCALE = 20.0000' / 1" in.
 PLOT DATE = 12/12/2016

DESIGNED - IJ
 DRAWN - IJ
 CHECKED - CJG
 DATE - 7/28/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

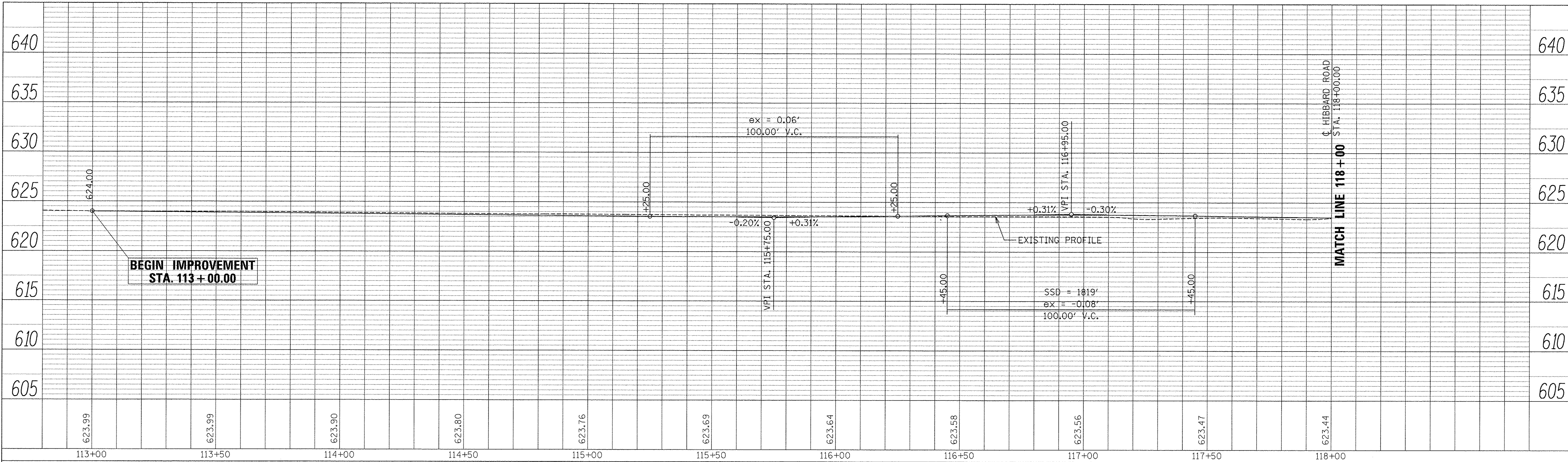
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIBBARD ROAD PROFILE

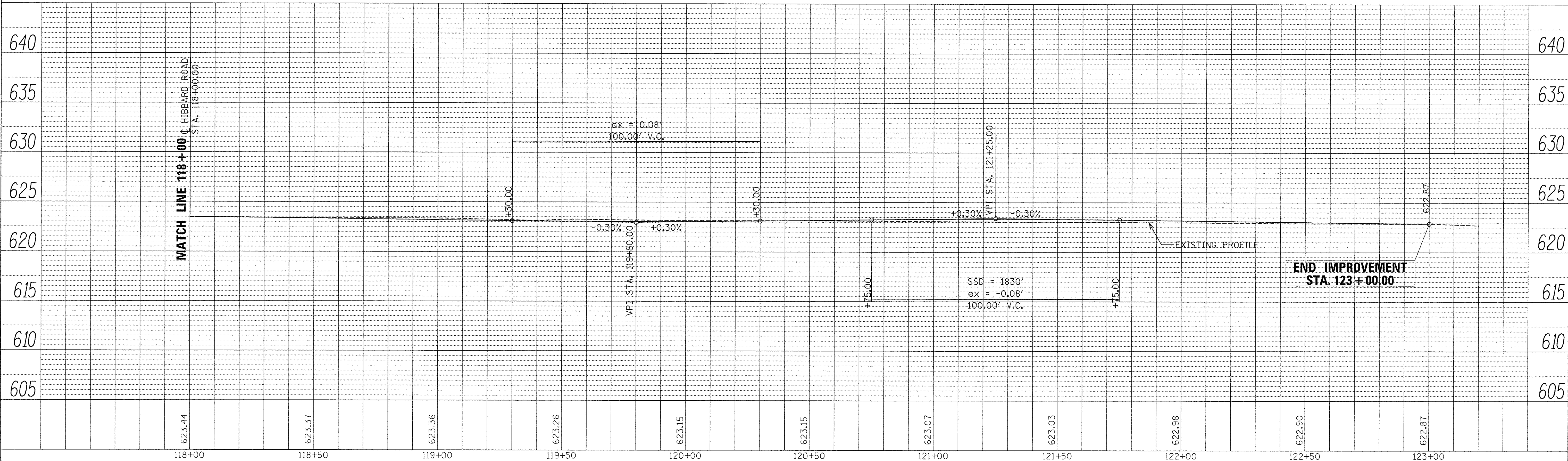
SHEET 2 OF 2 SHEETS STA. 15+50.00 TO STA. 25+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	35
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ALLOWED		
	GRADES CHECKED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		
	NO.		



PROFILE	SURVEYED	BY	DATE
	ALLOWED		
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS OK'D		
	NO.		



USER NAME = andy.becker
 PLOT SCALE = 20.0000' / 1" =
 PLOT DATE = 12/12/2016

DESIGNED - IJ
 DRAWN - IJ
 CHECKED - CJG
 DATE - 7/28/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

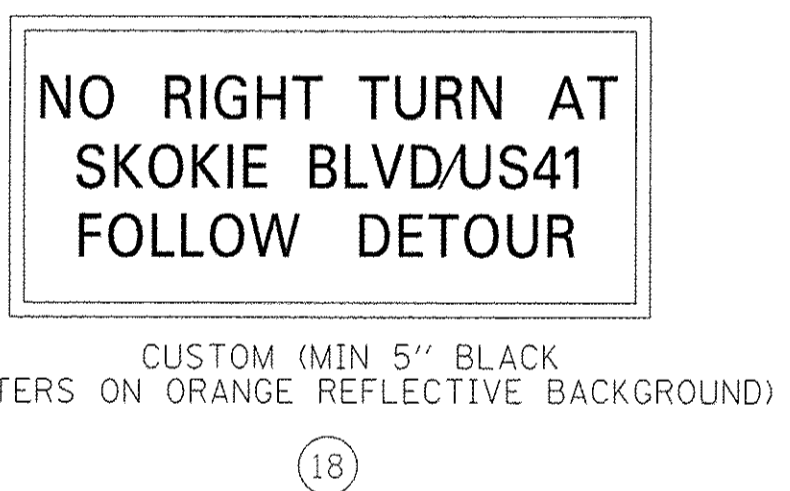
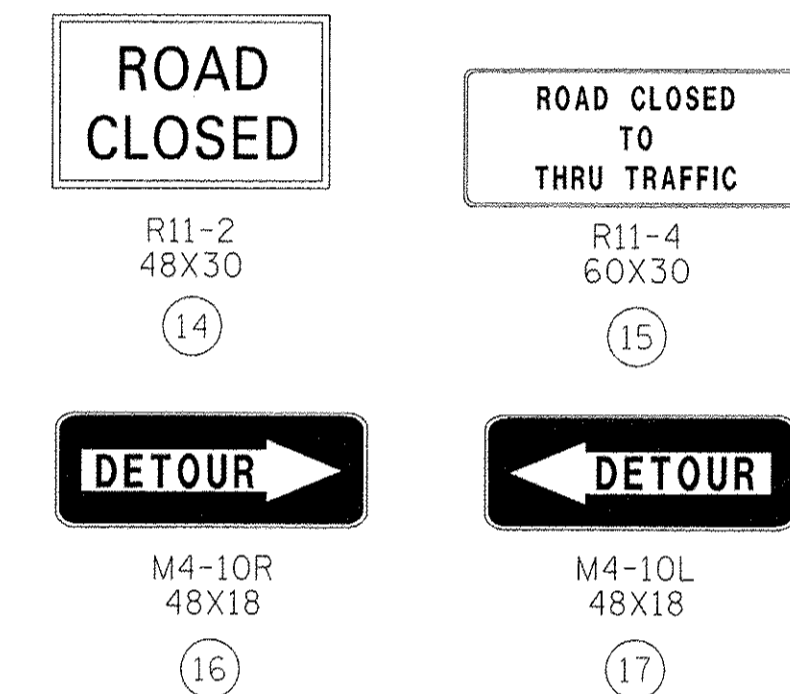
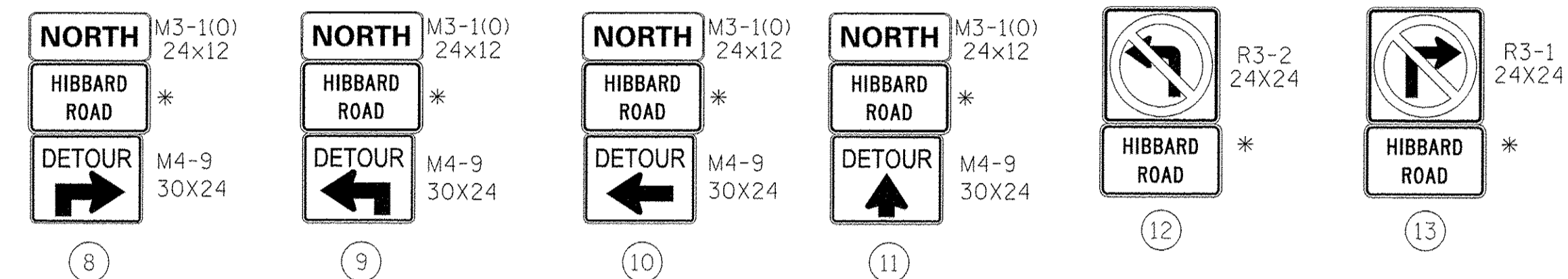
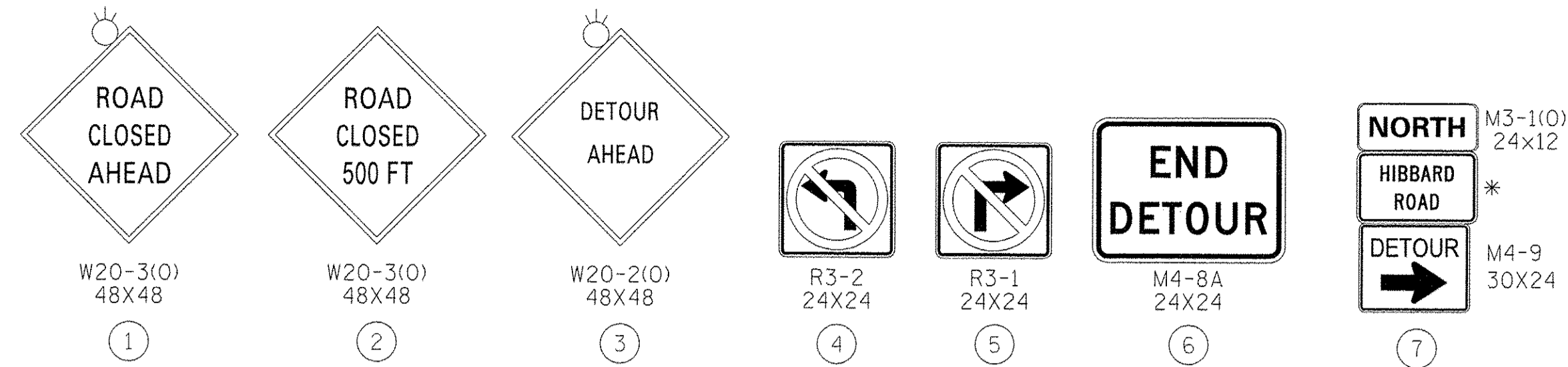
U.S. 41 (SKOKIE RD) PROFILE

SHEET 2 OF 2 SHEETS STA. 113+00.00 TO STA. 123+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	36
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

DETOUR SIGNS TYPE & SIZE

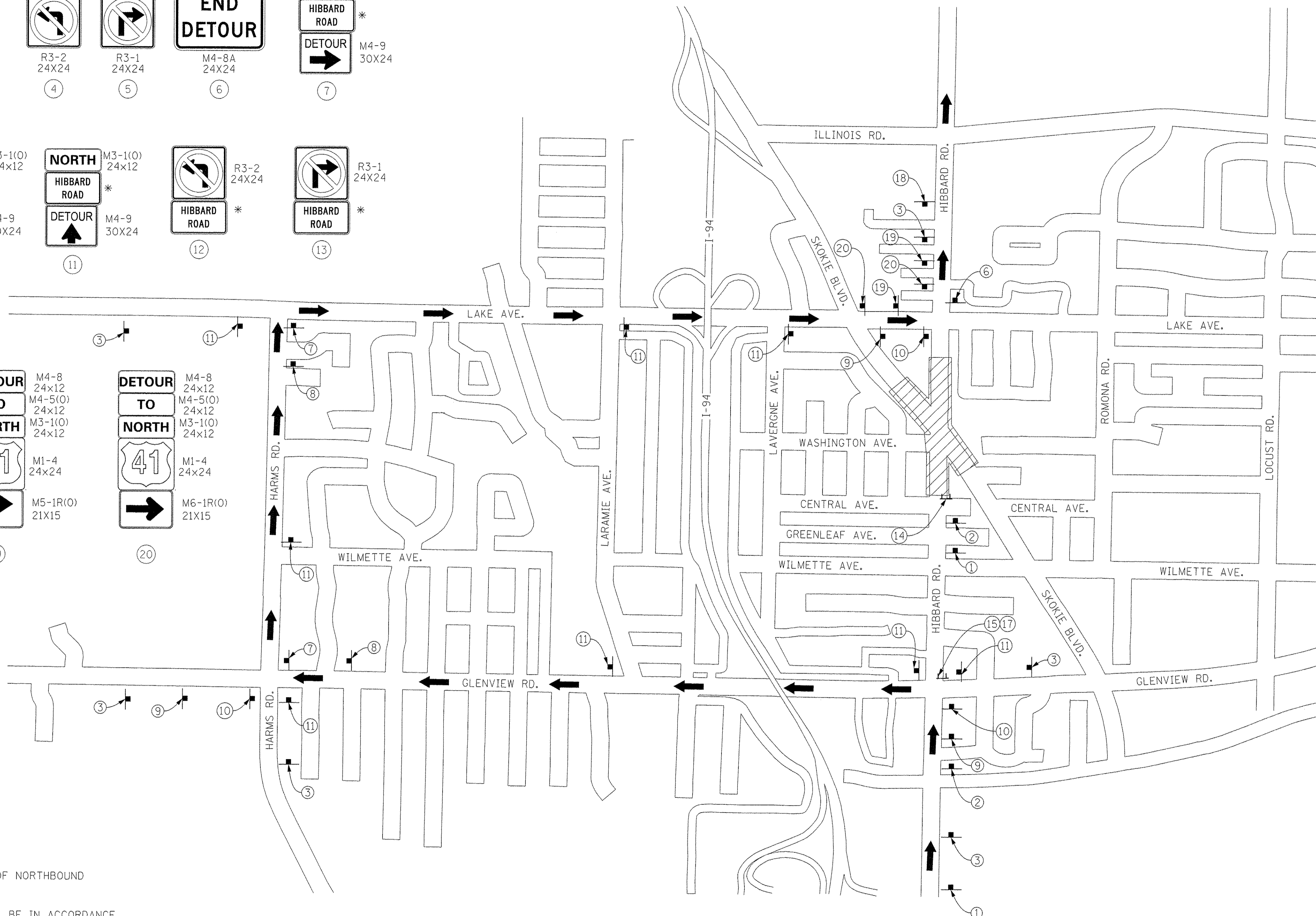
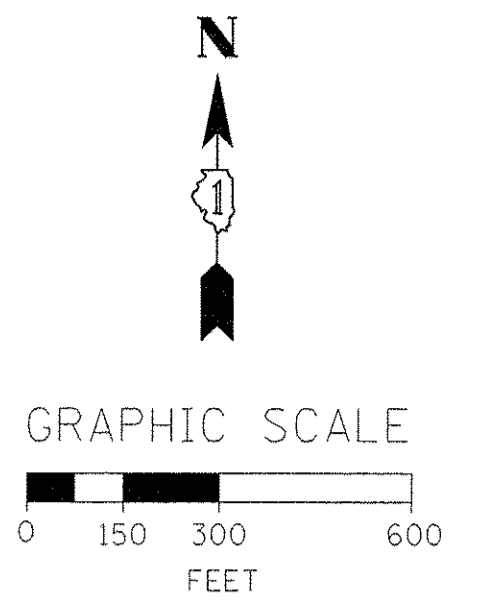
(ALL SIGN COLORS SHALL BE ACCORDING TO THE LATEST EDITION OF THE MUTCD)



* CUSTOM SPECIAL - LOCAL ROAD
5" BLACK LETTERS ON ORANGE BACKGROUND
(30"x18"). ROAD NAMES SHALL BE MIXED
CASE FONT.

TRAFFIC CONTROL NOTES

- DETOUR SIGNING MUST BE INSTALLED PRIOR TO CLOSURE OF NORTHBOUND ARLINGTON HEIGHTS ROAD.
- PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD DETAIL TC-21.
- ALL DETOUR SIGNS SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LETTERS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ROADWAY CONSTRUCTION IN THE AREA.
- THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND STANDARD SIGNS ALONG ALL DETOUR ROUTES SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION.



**DETOUR FOR HIBBARD ROAD
BETWEEN GLENVIEW RD AND LAKE AVE**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

SCALE: 1" = 300' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	37
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\6044116\9002_Wor\A\910_CAD\20-SHEETS\CH2-0128-HOT-1-DeTour-001.dgn



USER NAME = andy.becker	DESIGNED -	REVISED -
PLLOT SCALE = 3/8" = 1' / in.	DRAWN -	REVISED -
PLLOT DATE = 12/12/2016	CHECKED -	REVISED -
DATE = 7/28/2016	DATE -	REVISED -

TRAFFIC CONTROL GENERAL NOTES

- TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE SUGGESTED SEQUENCE OF OPERATIONS AND SUMMARY FOR CONSTRUCTION STAGING DOES NOT, NOR IS IT INTENDED TO, DEPICT ALL THE WORK THAT WILL BE REQUIRED BY THE CONTRACTOR FOR STAGING OPERATIONS DURING THE CONTRACT. THE SEQUENCE OF OPERATIONS IS GIVEN AS AN AIDE AND GUIDE FOR THE CONTRACTOR'S USE TO ESTABLISH THE NECESSARY GUIDELINES FOR EFFICIENT TRAFFIC OPERATION FOR THE DURATION OF THE CONTRACT.
- THE CONTRACTOR MAY WISH TO MAKE REVISIONS OR MODIFICATIONS TO THE SEQUENCE OF CONSTRUCTION OR THE MAINTENANCE OF TRAFFIC PLANS. ALL CHANGES MUST BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL. THE REVISIONS IN THE PHASING OF CONSTRUCTIONS OR MAINTENANCE OPERATIONS, REQUESTED BY THE CONTRACTOR, MAY REQUIRE TRAFFIC CONTROL TO BE INSTALLED IN THE PLANS. REVISIONS IN THE PHASING OF CONSTRUCTION OR MAINTENANCE OPERATIONS REQUESTED BY THE CONTRACTOR THAT REQUIRE ADDITIONAL SIGNS, FLAGGERS, BARRICADES OR OTHER TRAFFIC CONTROL DEVICES OVER AND ABOVE THOSE SPECIFIED WILL BE AT THE CONTRACTOR'S EXPENSE.
- TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
- TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
- ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
- PRIOR TO START OF CONSTRUCTION, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER 28 DAYS PRIOR TO ANY ANTICIPATED CLOSURES.
- PROVIDE CONTINUOUS TEMPORARY ACCESS TO ALL SIDE STREETS, ALLEYS, DRIVEWAYS, AND PARKING LOTS UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS FOR TEMPORARY CLOSURE. LOTS WITH MORE THAN ONE DRIVEWAY MUST BE STAGED TO KEEP AT LEAST ONE DRIVEWAY OPEN AT ALL TIMES.
- VERIFY LOCATION OF ALL BUILDING ACCESS, COORDINATE WITH BUILDING OWNERS AND LOCAL AUTHORITIES AND PROVIDE FULL ACCESS TO BUSINESSES OR PROPERTIES DURING THEIR NORMAL WORKING HOURS IN ACCORDANCE WITH ADA AND APPLICABLE CODE REQUIREMENTS.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON ALL STREETS EXCEPT WHERE NOTED ON THE PLANS AND PROHIBIT PARKING WITHIN FIFTY (50) FEET OF THE CONSTRUCTION AREA AT ALL TIMES.
- MAINTAIN ACCESS TO FIRE HYDRANTS AND OTHER EMERGENCY FACILITIES WITHIN THE CONSTRUCTION ZONE.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- SIGNS W20-7(O) AND W21-1(O) SHALL BE TAKEN DOWN WHEN THE WORKERS ARE NOT PRESENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS RESTRICTIONS TO THE SITE AS MAY REQUIRED BY THE ENGINEER. IN AREAS WHERE SILT FENCE IS NOT INSTALLED, ORANGE CONSTRUCTION FENCING MAY BE REQUIRED TO RESTRICT ACCESS TO WORK ZONES. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE NEED FOR ACCESS RESTRICTIONS AND THEIR CONFIGURATION. ORANGE CONSTRUCTION FENCING (IF NECESSARY) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.
- A 37" DEFLECTION AREA IS REQUIRED FROM THE BACK SIDE OF THE TEMPORARY CONCRETE BARRIER WALL TO ANY OBSTRUCTION OR DROP OFF IN THE WORK ZONE. IF THIS 37" DEFLECTION AREA CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE PAVEMENT (EXCLUDING NEW BRIDGE DECKS) IN ACCORDANCE WITH THE IDOT SAFETY ENGINEERING POLICY MEMORANDUM 4-15. THIS WORK SHALL BE PAID FOR PINNING TEMPORARY CONCRETE BARRIER. THE COST OF ANCHORING TO EXISTING AND PROPOSED BRIDGE DECKS ARE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.
- PER MEMORANDUM 4-15, DROP-OFF DEPTH > 4 IN AND < 12 IN IS PERMITTED FOR LESS THAN 0.5 MILE LENGTH OF DROP-OFF EXPOSURE IN WORK ZONE OR LESS THAN 48 HOUR CLOSURE TIME. LENGTH AND DURATION OF DROP-OFF IN EXCESS OF THESE LIMITS SHALL REQUIRE TEMPORARY LONGITUDINAL TRAFFIC BARRIER. ADJACENT WORK SPACES THAT ARE ESSENTIALLY CONTINUOUS IN DROP-OFF EXPOSURE SHOULD BE CONSIDERED AS ONE WORK ZONE.
- ALL UPSTREAM LEADING ENDS OF TEMPORARY CONCRETE BARRIER WALL SHALL BE FLARED AT A 12:1 TAPER RATE UNLESS OTHERWISE NOTED.

- THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND REPLACE ALL REFLECTORS FROM EXISTING RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLANS. THIS WORK SHALL BE PAID FOR AS RAISED REFLECTIVE PAVEMENT MARKER REMOVAL.
- ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR ONE PLACEMENT AND ONE REPLACEMENT HAVE BEEN PROVIDED FOR EACH STAGE. ALL MARKINGS THAT REQUIRE REPLACEMENT AFTER THE SECOND PLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- PERMANENT PAVEMENT MARKING CONFLICTING WITH THE TEMPORARY PAVEMENT MARKINGS PLACED AS PART OF THE VARIOUS STAGES OF THE MAINTENANCE OF TRAFFIC PLAN SHALL BE REMOVED. ONLY THESE MARKINGS SHALL BE MEASURED FOR PAYMENT. PERMANENT PAVEMENT MARKINGS THAT WILL BE REMOVED AS PART OF THE CONSTRUCTION REMOVAL ITEMS WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE REMOVAL ITEMS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TYPE OF PERMANENT PAVEMENT MARKING MATERIAL TO BE REMOVED. GRINDING OF MARKING SHALL NOT BE ALLOWED ON THE EXISTING HOT-MIX ASPHALT SURFACES.
- ALL TEMPORARY PAVEMENT, TEMPORARY PAVEMENT WIDENING, TEMPORARY PAVEMENT PLACED IN ISLAND REMOVAL, PROP. ISLANDS SHALL BE PAID FOR AS "TEMPORARY PAVEMENT". PAYMENT FOR ALL TEMPORARY PAVEMENT PLACED IN STORM SEWER TRENCHES SEE DRAINAGE PIPE SCHEDULE.
- ALL OBSTRUCTIONS SHALL BE REMOVED PRIOR TO CONSTRUCTING THE TEMPORARY PAVEMENT AND SWITCHING TRAFFIC TO IT. REMOVALS SHALL BE AS DETAILED IN THE PLANS. REMOVAL SHALL BE PAID FOR ONCE AND SHALL BE PAID FOR AS INDICATED IN THE REMOVAL PLANS. THERE WILL BE NO ADDITIONAL COMPENSATION FOR PARTIAL REMOVALS REQUIRED FOR THE STAGED MAINTENANCE OF TRAFFIC.
- PROPOSED INLETS AND STORM SEWER SYSTEMS THAT FALL UNDER THE TEMPORARY PAYMENT WIDENING AND NEED TO REMAIN ACTIVE DURING STAGE 2, SHALL BE PLATED OR COVERED, BUT NOT REMOVED. TEMPORARY DRAINAGE CONNECTIONS SHALL BE INCIDENTAL.
- THE CONTRACTOR SHALL CONTACT THE AREA ARTERIAL ENGINEERS AT (847) 705-4412 TWO WEEKS PRIOR TO PLACING ANY PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL COVER CONFLICTING EXISTING SIGNS FOR THE DURATION OF THE CONSTRUCTION. THE SIGNS SHALL BE RESTORED AT THE END OF CONSTRUCTION.
- TEMPORARY INFORMATION SIGNING AND CHANGEABLE MESSAGE SIGNS TO BE INSTALLED ALONG NB AND SB U.S. 41 (SKOKIE RD) AND HIBBARD RD ON THE APPROACH TO THE INTERCHANGE IN ACCORDANCE WITH THE HIGHWAY STANDARDS AND AT THE APPROVAL OF THE ENGINEER.

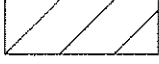


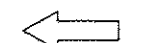


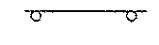


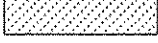
PRE-STAGE 1 MAJOR WORK ITEMS:

CONSTRUCT TEMPORARY PAVEMENT EAST SIDE OF SKOKIE BLVD AT VARIOUS LOCATIONS DETAILED ON THE PLANS. PARTIAL DEPTH MILL AND OVERLAY OF CORRUGATED MEDIAN ON SKOKIE RD. TO ALLOW FOR STAGE 2 TAPER. FOLLOW 701606 FOR THE LANE CLOSURE IN THE PRE-STAGE.

STAGE 1 MAJOR WORK ITEMS:

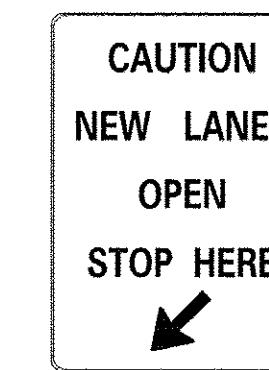
- IMPLEMENT THE DETOUR FOR NORTHBOUND HIBBARD ROAD BETWEEN LAKE AVE AND WILMETTE AVE AS SHOWN ON THE DETOUR PLAN.
- CONSTRUCT PROPOSED DRAINAGE SEWER AND DRAINAGE STRUCTURES ON WEST HALF OF HIBBARD ROAD. CONTRACTOR SHALL NOT IMPLEMENT ANY ROAD CLOSURE OR CONSTRUCTION WORK ON SKOKIE BLVD UNTIL THE PROPOSED SEWER WORK IS COMPLETED THROUGH THE INTERCHANGE OF SKOKIE BLVD AND HIBBARD RD.
- CONSTRUCT ALL THE DRIVEWAY, PAVEMENT WIDENING, CURB AND GUTTER ON WEST HALF OF HIBBARD RD AS SHOWN ON THE PLANS. CONTRACTOR SHALL NOT CONSTRUCT CURB AND GUTTER FROM STA 116+63.70 SKOKIE BLVD TO STA 15+65.00 HIBBARD RD. IN STAGE 1.
- ISLAND REMOVAL ON THE INTERSECTION. PAVE PARTIAL ISLAND AND WIDEN EAST SIDE ALONG SKOKIE BLVD WITH TEMPORARY PAVEMENT AS SHOWN ON PLAN. WIDENING ON EAST SIDE OF SKOKIE BLVD SHALL BE DONE PRIOR OF LANE CLOSURE ON SKOKIE BLVD AS SHOWN IN STAGE 1 PLANS. USE STD 701611 FOR THESE WIDENING.
- INSTALL TEMPORARY TRAFFIC SIGNALS AT SKOKIE BLVD AND HIBBARD ROAD INTERSECTION. THESE SIGNALS SHALL REMAIN UNTIL THE PERMANENT SIGNALS ARE INSTALLED. THE SIGNAL HEADS SHALL BE ADJUSTED PER THE STAGES AS SHOWN ON THE PLANS.
- REMOVE EXISTING SHOULDER ALONG WEST SIDE SKOKIE BLVD FROM STA 113+00.00 TO STA 116+63.70 AND CONSTRUCT PROPOSED SHOULDER.
- CONSTRUCT DRAINAGE SEWER, CULVERT AND DRAINAGE STRUCTURES ON WEST HALF OF SKOKIE BLVD.
- WIDEN WEST SIDE SKOKIE BLVD WITH TEMPORARY PAVEMENT AS SHOWN ON STAGING PLANS.
- PLACE TEMPORARY EROSION CONTROL AND LANDSCAPING.

LEGEND:

-  WORK ZONE
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY IMPACT ATTENUATOR (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
-  DIRECTION OF TRAFFIC FLOW
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (AT SPECIFIED SPACING)
-  SIGN
-  ARROW BOARD
-  TEMPORARY PAVEMENT

NOTE:

UPON INITIATING A PARTICULAR STAGE A SIGN 'CAUTION NEW LANES OPEN' SHOULD BE PLACED FOR A PERIOD OF 2 WEEKS.



CUSTOM SPECIAL - LOCAL ROAD
5" BLACK LETTERS ON WHITE
BACKGROUND (24"x36").

STAGE 2 MAJOR WORK ITEMS:

- MAINTAIN DETOUR PLAN FOR NORTHBOUND HIBBARD RD.
- SET UP STAGE 2 TRAFFIC CONTROL AT LOCATIONS SHOWN IN STAGING PLANS.
- REMOVE EXISTING DRIVEWAY, CURB AND GUTTER, SHOULDER, TREES, TEMPORARY PAVEMENT ON EAST SIDE OF SKOKIE BLVD AND HIBBARD RD AS SHOWN ON PLANS.
- CONSTRUCT DRAINAGE SEWER, CULVERTS, AND DRAINAGE STRUCTURE ON EAST HALF OF SKOKIE BLVD AND HIBBARD ROAD AS SHOWN ON THE PLANS.
- CONSTRUCT ALL THE DRIVEWAYS, PAVEMENT WIDENING, CURB AND GUTTER ON EAST HALF OF HIBBARD ROAD AND SKOKIE BLVD AS SHOWN ON THE PLANS.
- PLACE TEMPORARY EROSION CONTROL AND LANDSCAPING.

STAGE 3 MAJOR WORK ITEMS:

- REMOVE DETOUR SIGNS FOR NORTHBOUND HIBBARD RD.
- SET UP STAGE 3 TRAFFIC CONTROL AT LOCATIONS SHOWN IN STAGING PLANS.
- REMOVE EXISTING SHOULDER, CURB AND GUTTER AND TEMPORARY PAVEMENT ON WEST SIDE OF SKOKIE BLVD.
- COMPLETE ISLANDS CONSTRUCTION AND INSTALL TRAFFIC SIGNALS.
- CONSTRUCT CURB AND GUTTER ON WEST SIDE OF SKOKIE BLVD FROM STA 15+65.00 SKOKIE BLVD TO STA 19+67.99 HIBBARD RD.
- CONSTRUCT PROPOSED SHOULDER ON WEST SIDE OF SKOKIE BLVD.

STAGE 4 MAJOR WORK ITEMS:

- RESURFACE THE INTERSECTION OF SKOKIE BLVD AND HIBBARD RD WITHIN THE PROJECT LIMITS. THESE WORK SHALL BE EXECUTED USING STD 701611.
- PLACE PERMANENT PAVEMENT MARKING AS SHOWN ON PLANS.

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
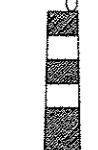

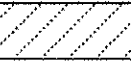



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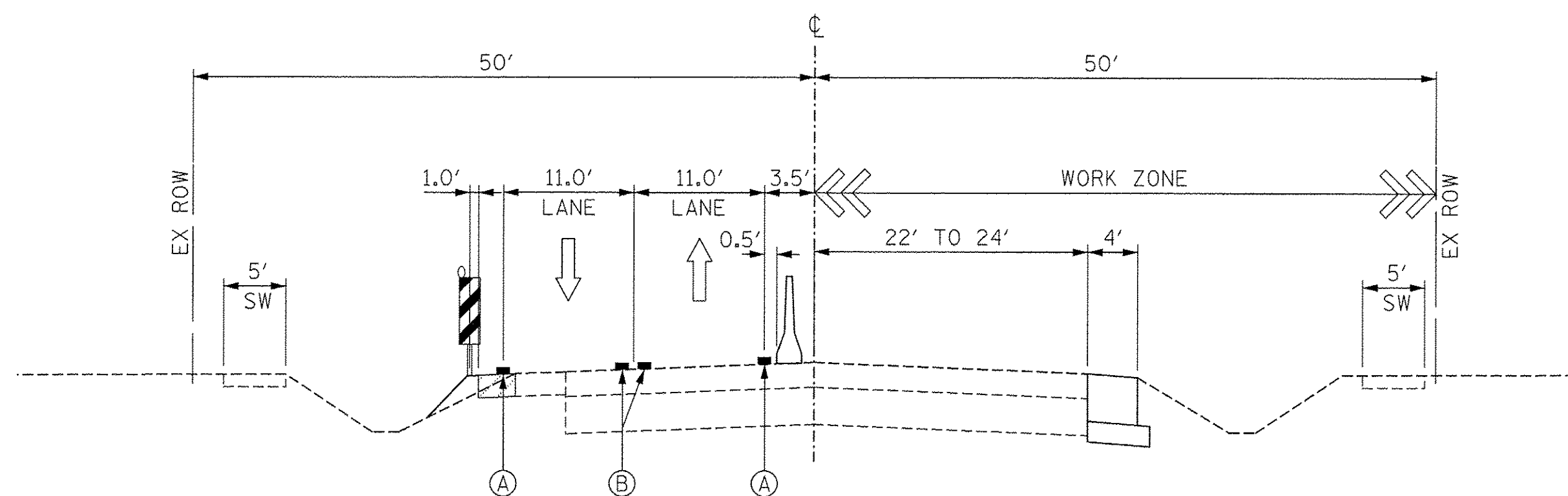
**U.S. 41 (SKOKIE RD) AT HIBBARD RD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
GENERAL NOTES AND LEGEND**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	38
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

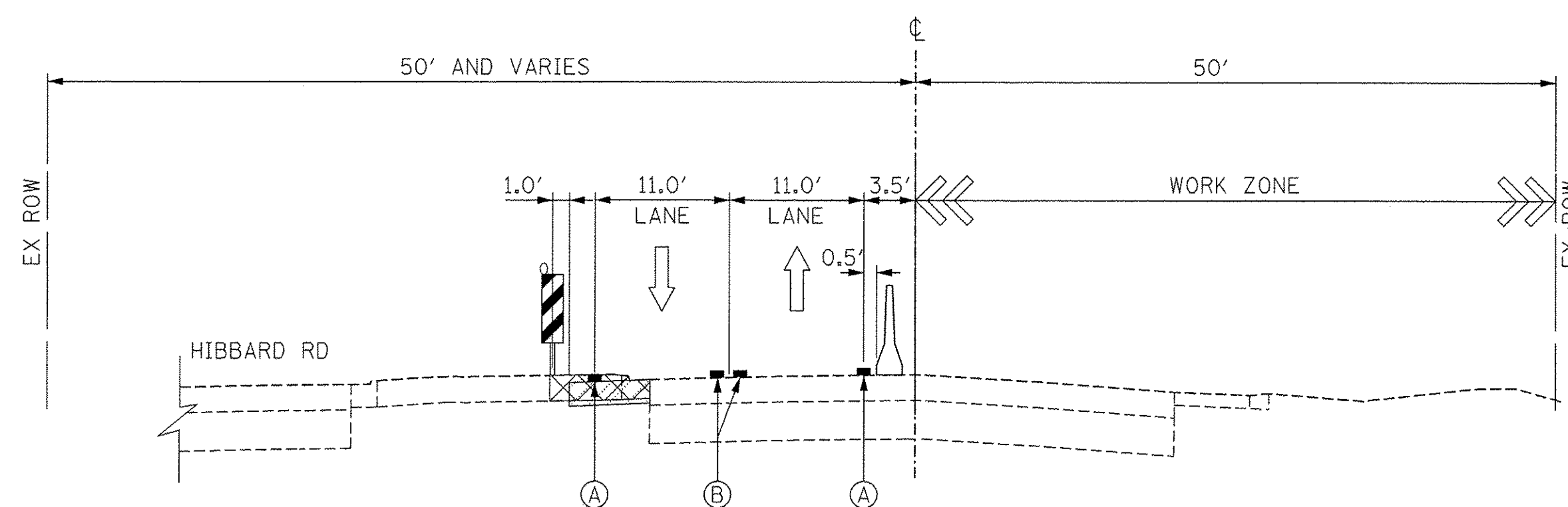
LEGEND:

-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW
-  TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  REMOVAL LIMITS
-  TEMPORARY PAVEMENT
-  (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
-  (B) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
-  DOUBLE VERTICAL PANELS WITH STEADY BURNING LIGHTS AT 50' C-C



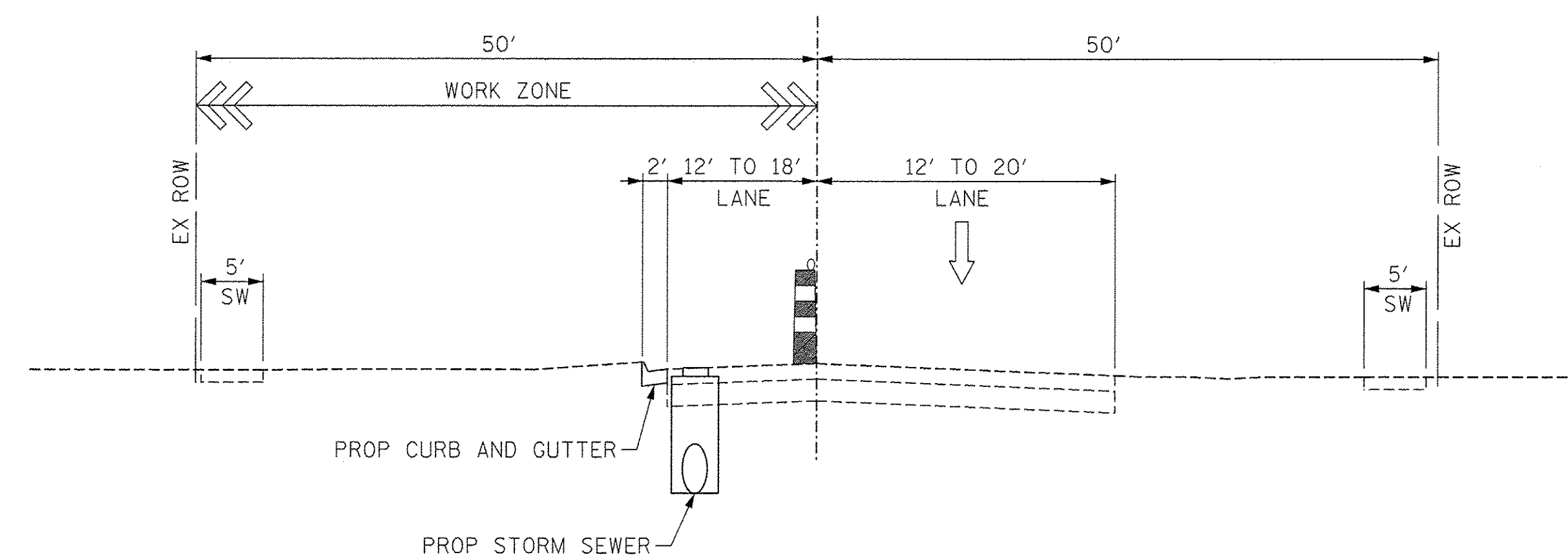
**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 1**

SCALE: NONE
STA 115+10.00 TO STA 116+40.00



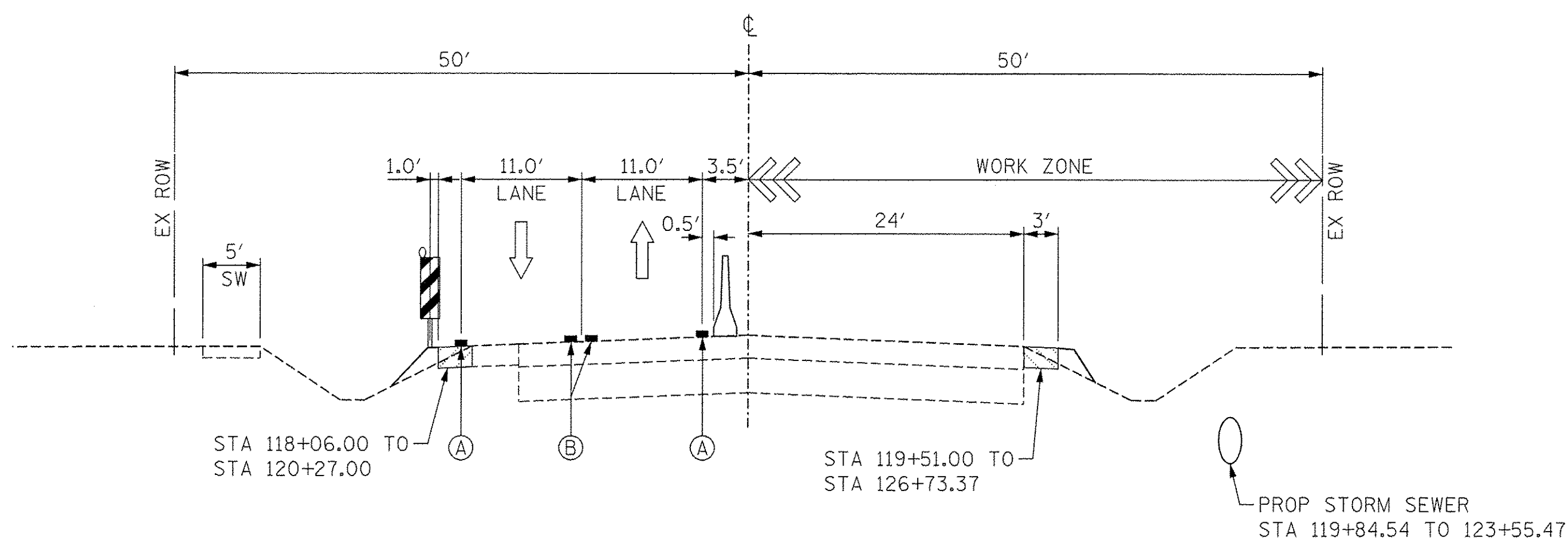
**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 1**

SCALE: NONE
STA 116+95.00 TO STA 117+30.00



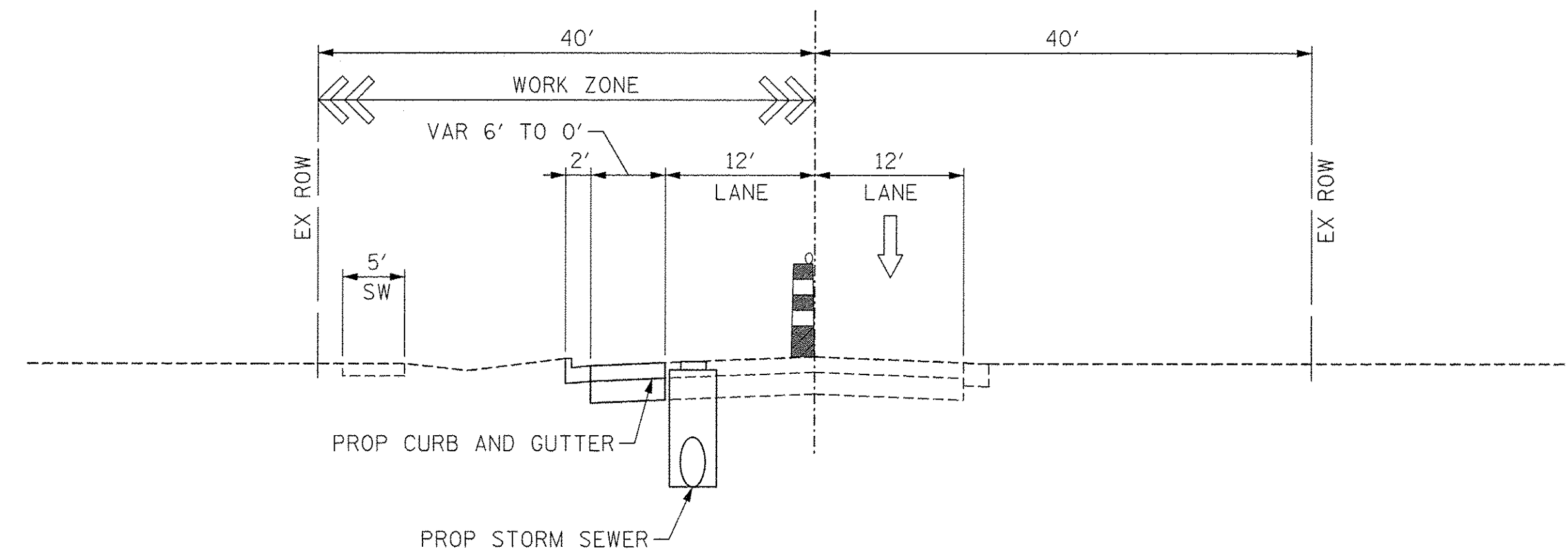
**HIBBARD ROAD – TYPICAL SECTION
STAGE 1**

SCALE: NONE
STA 15+65.00 TO STA 18+00.00



**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 1**

SCALE: NONE
STA 119+50.00 TO STA 123+00.00



**HIBBARD ROAD – TYPICAL SECTION
STAGE 1**

SCALE: NONE
STA 22+00.00 TO STA 24+05.00

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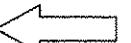
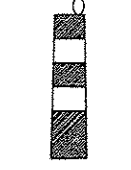
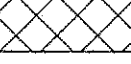
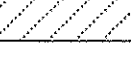



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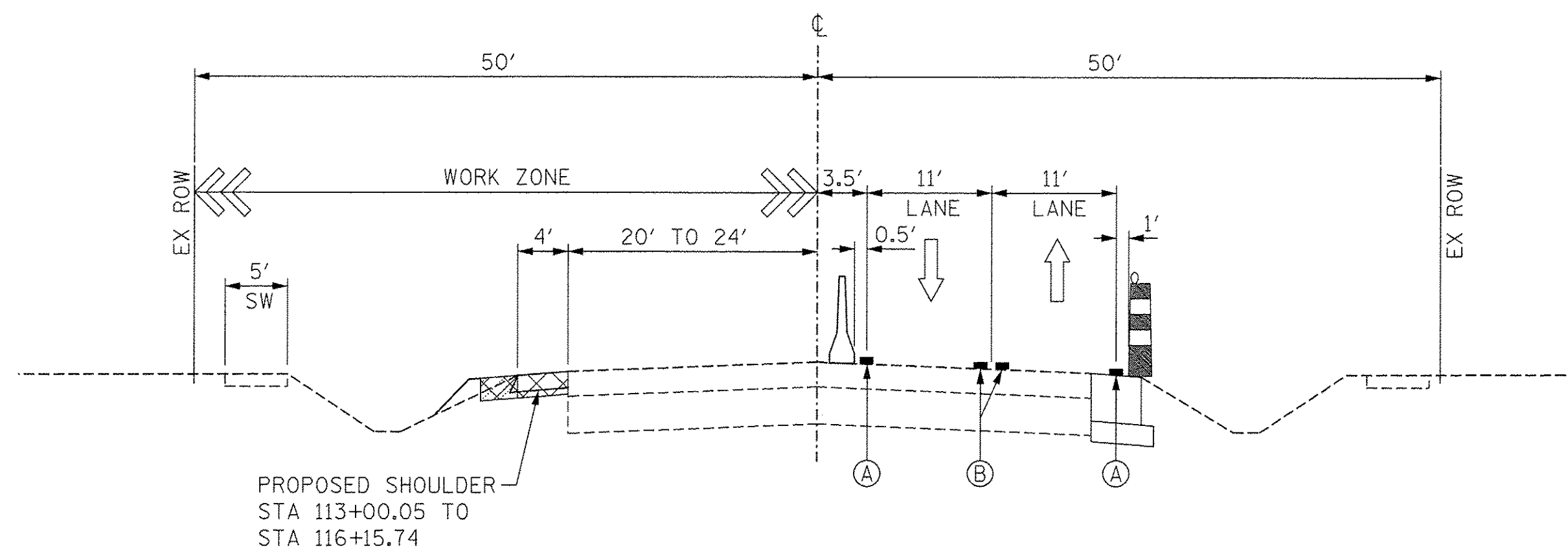
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
TYPICAL SECTIONS – STAGE 1**

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

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CONTRACT NO. 61C76				ILLINOIS FED. AID PROJECT

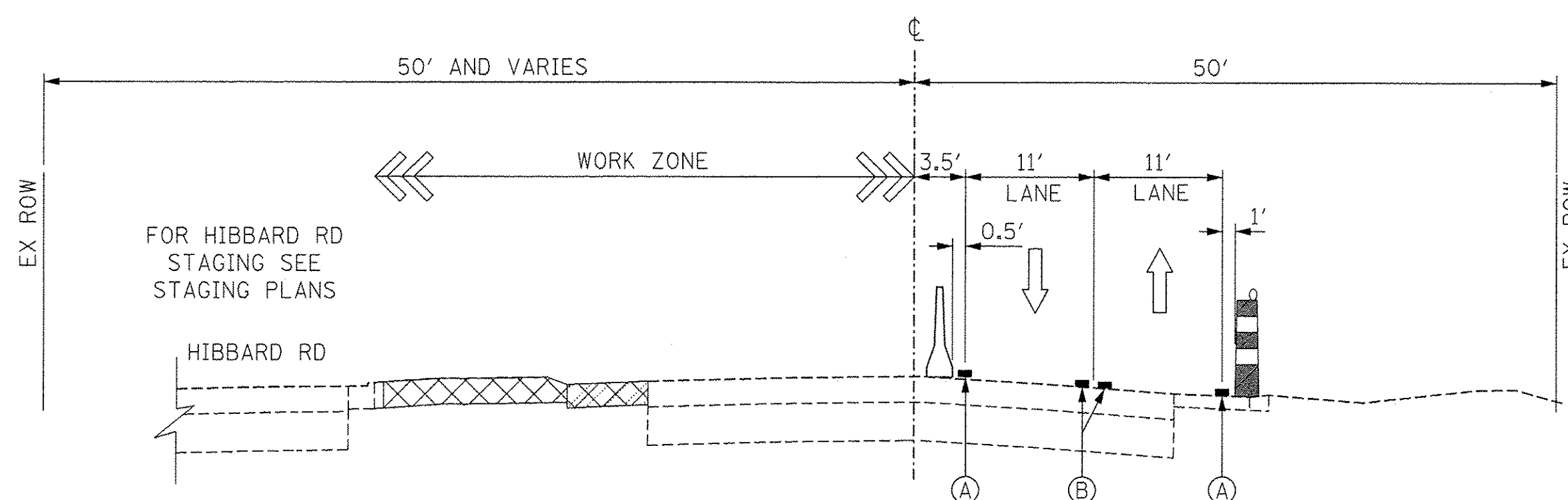
LEGEND:

-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW
-  TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  REMOVAL LIMITS
-  TEMPORARY PAVEMENT
-  (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
-  (B) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
-  DOUBLE VERTICAL PANELS WITH STEADY BURNING LIGHTS AT 50' C-C



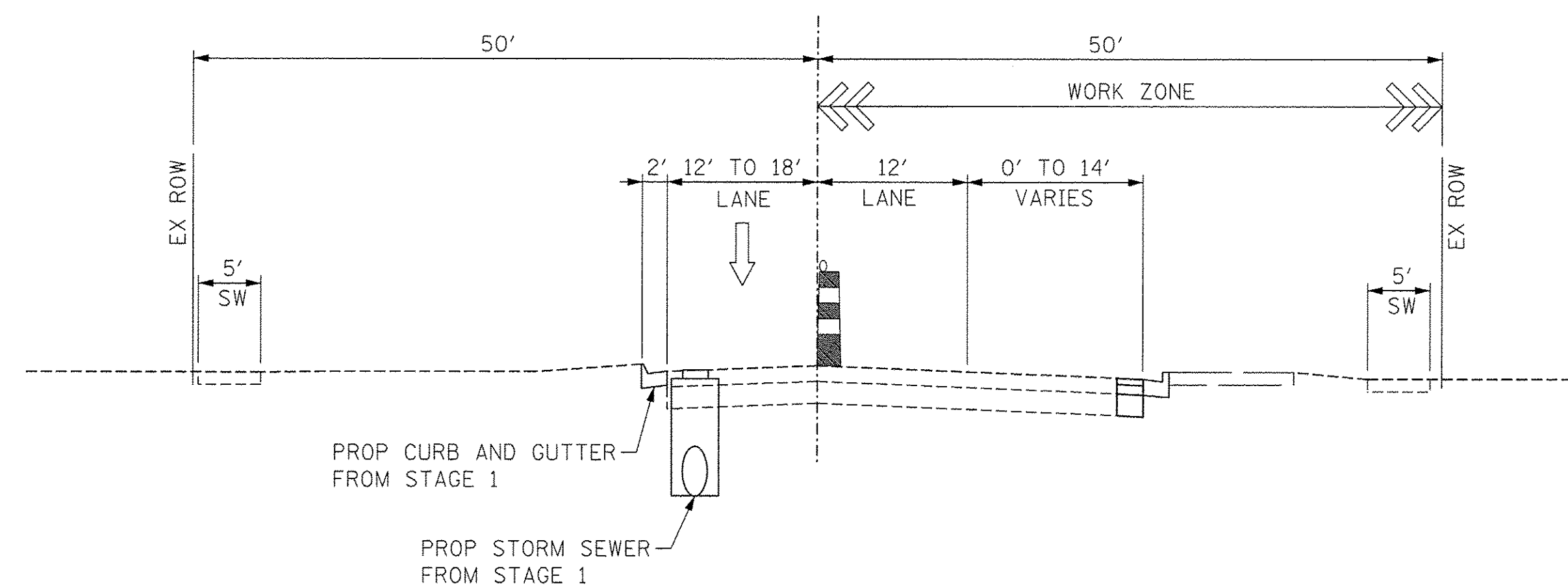
**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 2**

SCALE: NONE
STA 115+10.00 TO STA 116+40.00



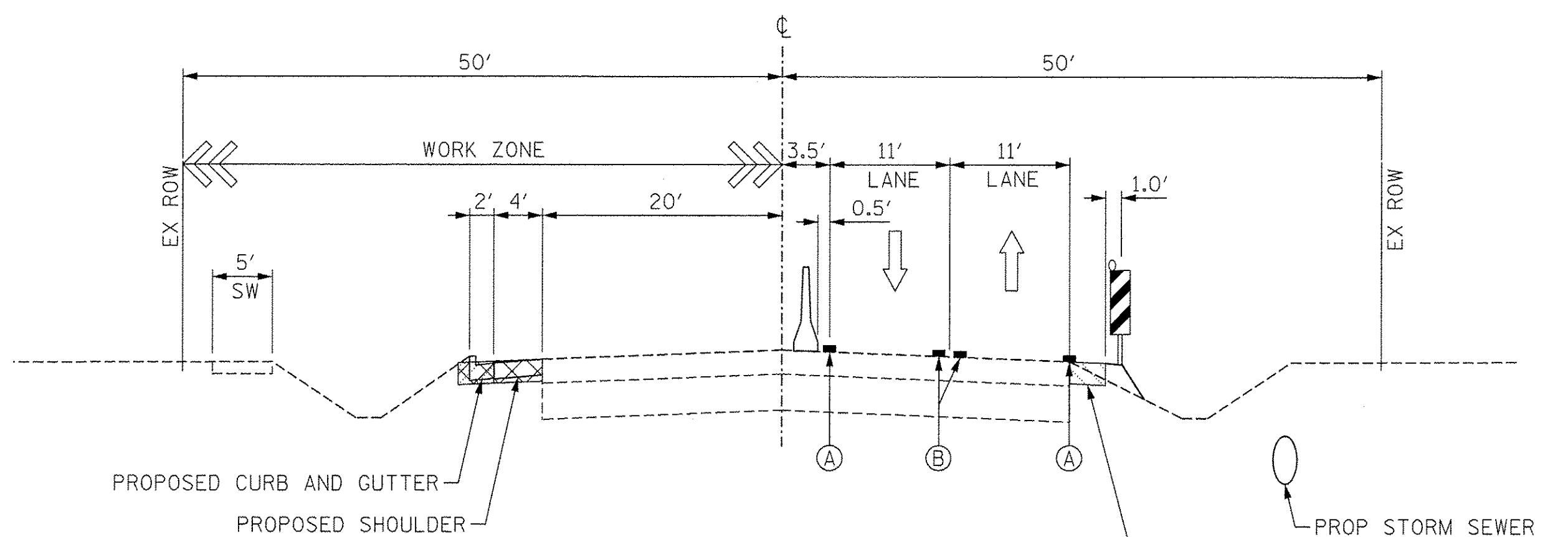
**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 2**

SCALE: NONE
STA 116+95.00 TO STA 117+30.00



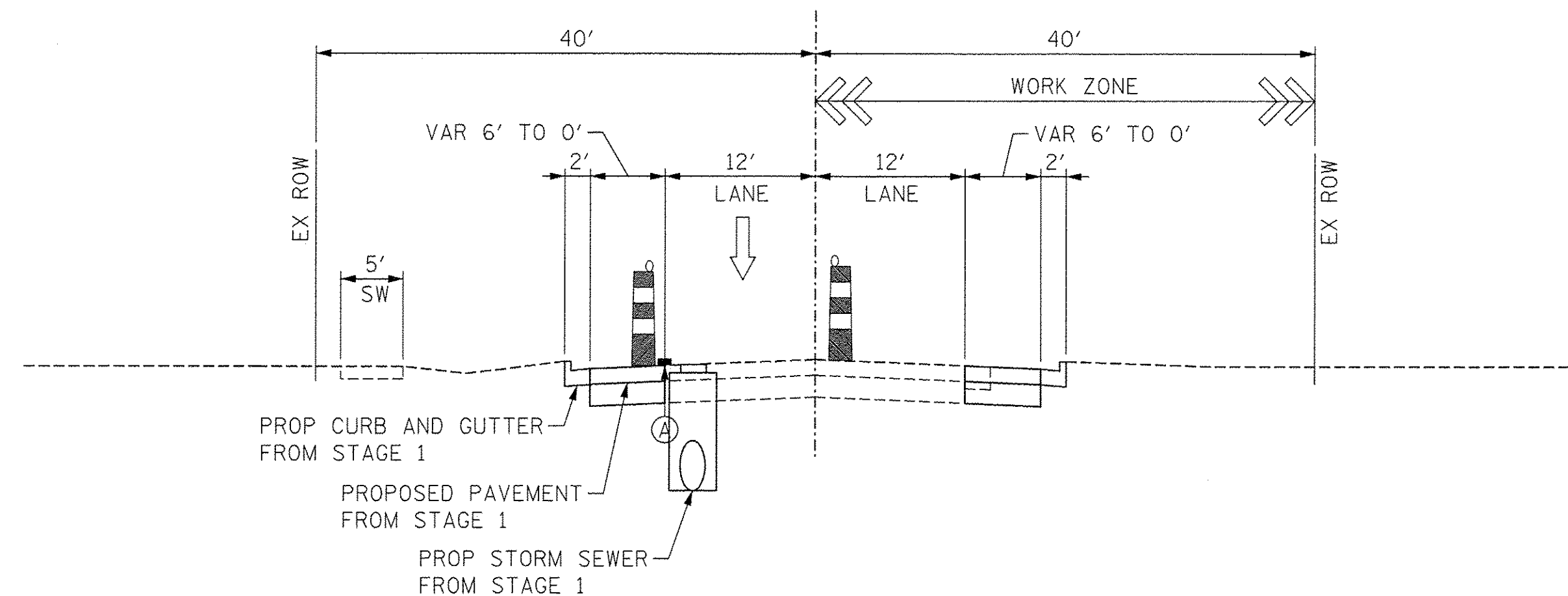
**HIBBARD ROAD – TYPICAL SECTION
STAGE 2**

SCALE: NONE
STA 15+65.00 TO STA 18+00.00



**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 2**

SCALE: NONE
STA 119+50.00 TO STA 123+00.00



**HIBBARD ROAD – TYPICAL SECTION
STAGE 2**

SCALE: NONE
STA 22+00.00 TO STA 24+05.00

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
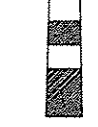

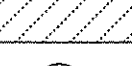


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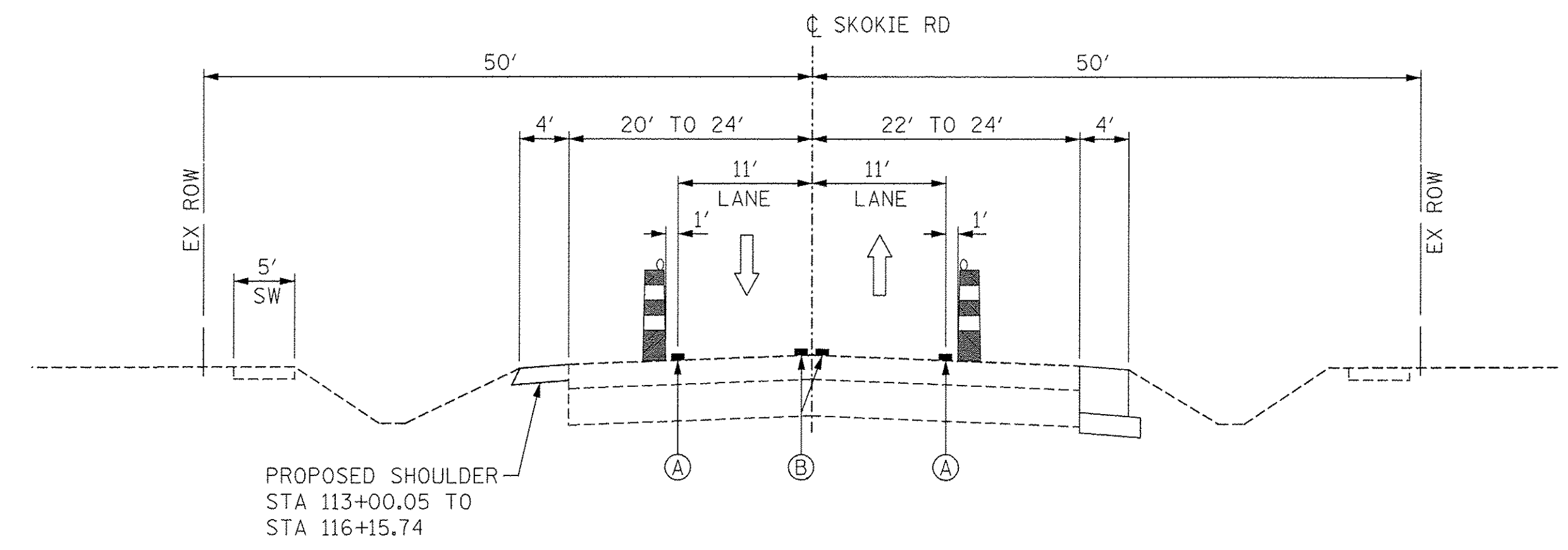
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
TYPICAL SECTIONS – STAGE 2**

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

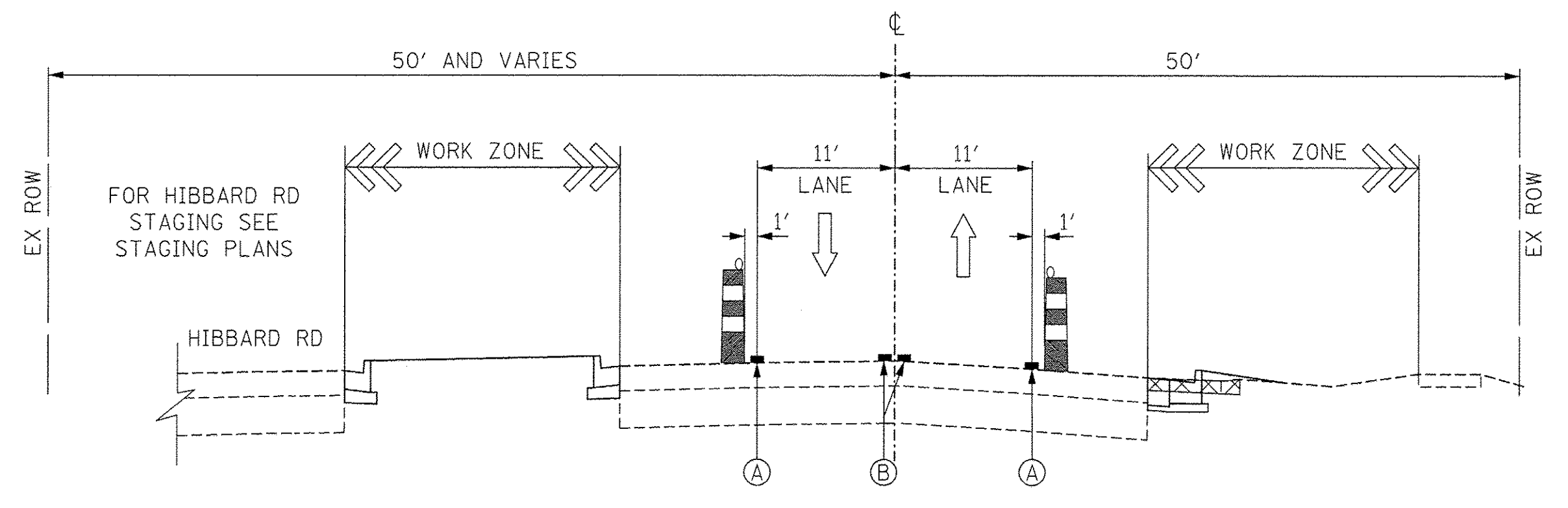
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350	12-00194-00-CH	COOK	140	40
				CONTRACT NO. 61C76
ILLINOIS FED. AID PROJECT				

LEGEND:

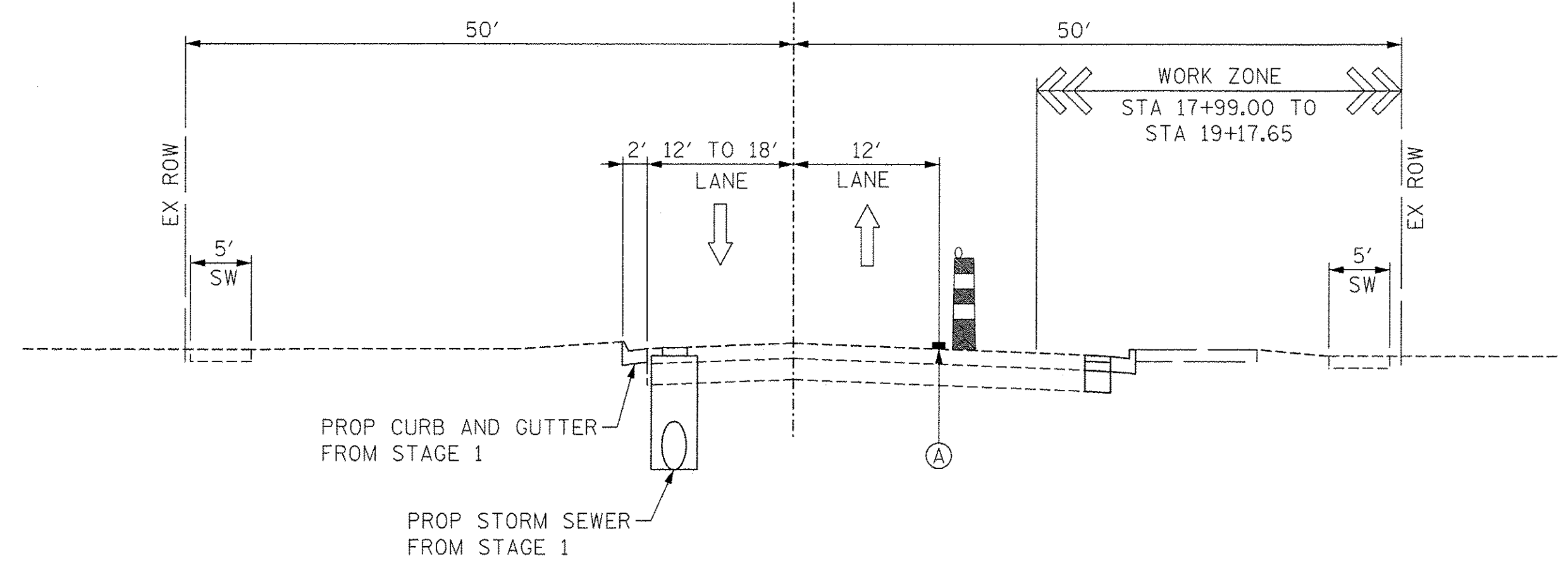
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW
-  TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  REMOVAL LIMITS
-  TEMPORARY PAVEMENT
-  TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
-  TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)



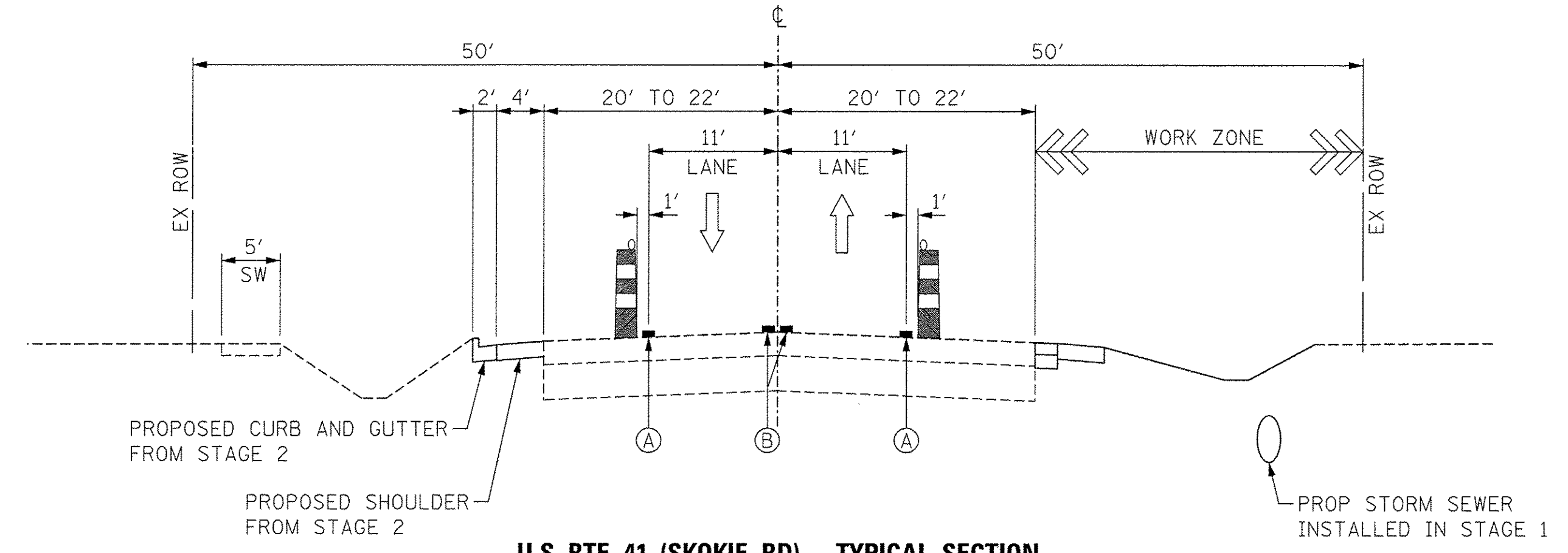
**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 3**
SCALE: NONE
STA 115+10.00 TO STA 116+40.00



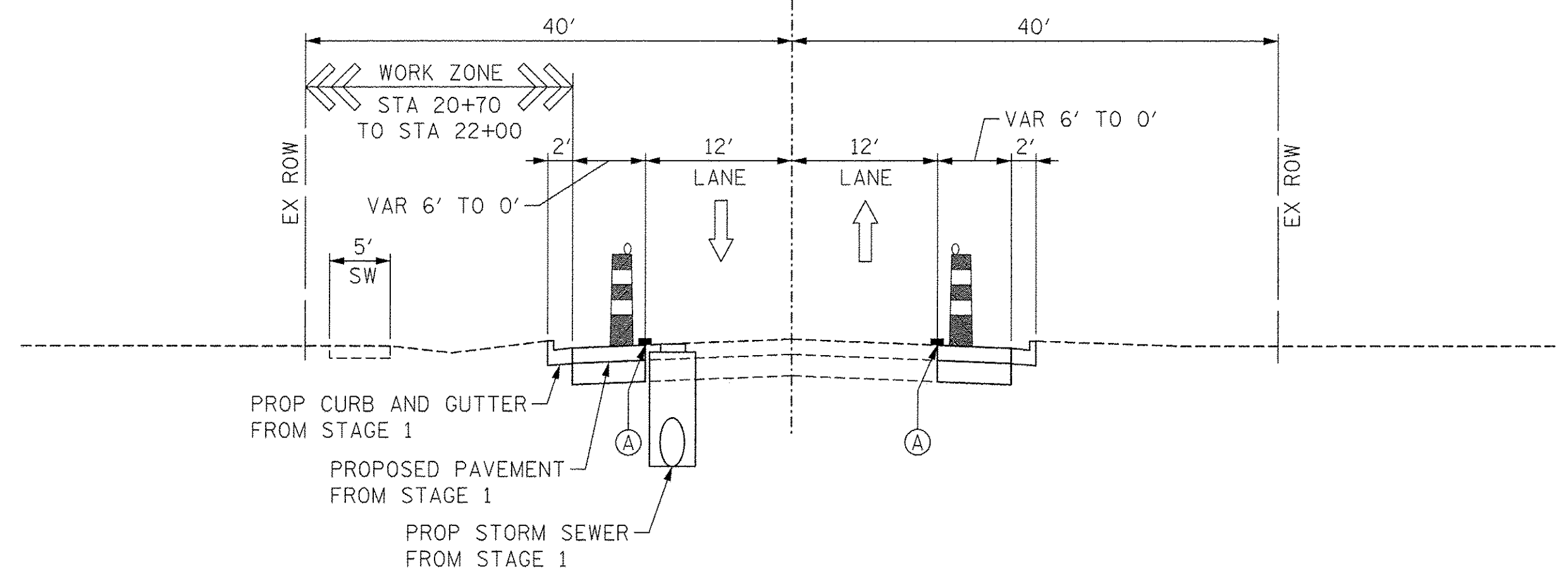
**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 3**
SCALE: NONE
STA 116+95.00 TO STA 117+30.00



**HIBBARD ROAD – TYPICAL SECTION
STAGE 3**
SCALE: NONE
STA 15+65.00 TO STA 18+00.00



**U.S. RTE 41 (SKOKIE RD) – TYPICAL SECTION
STAGE 3**
SCALE: NONE
STA 119+50.00 TO STA 123+00.00



**HIBBARD ROAD – TYPICAL SECTION
STAGE 3**
SCALE: NONE
STA 22+00.00 TO STA 24+05.00

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	DATE - 7/28/2016	REVISED -

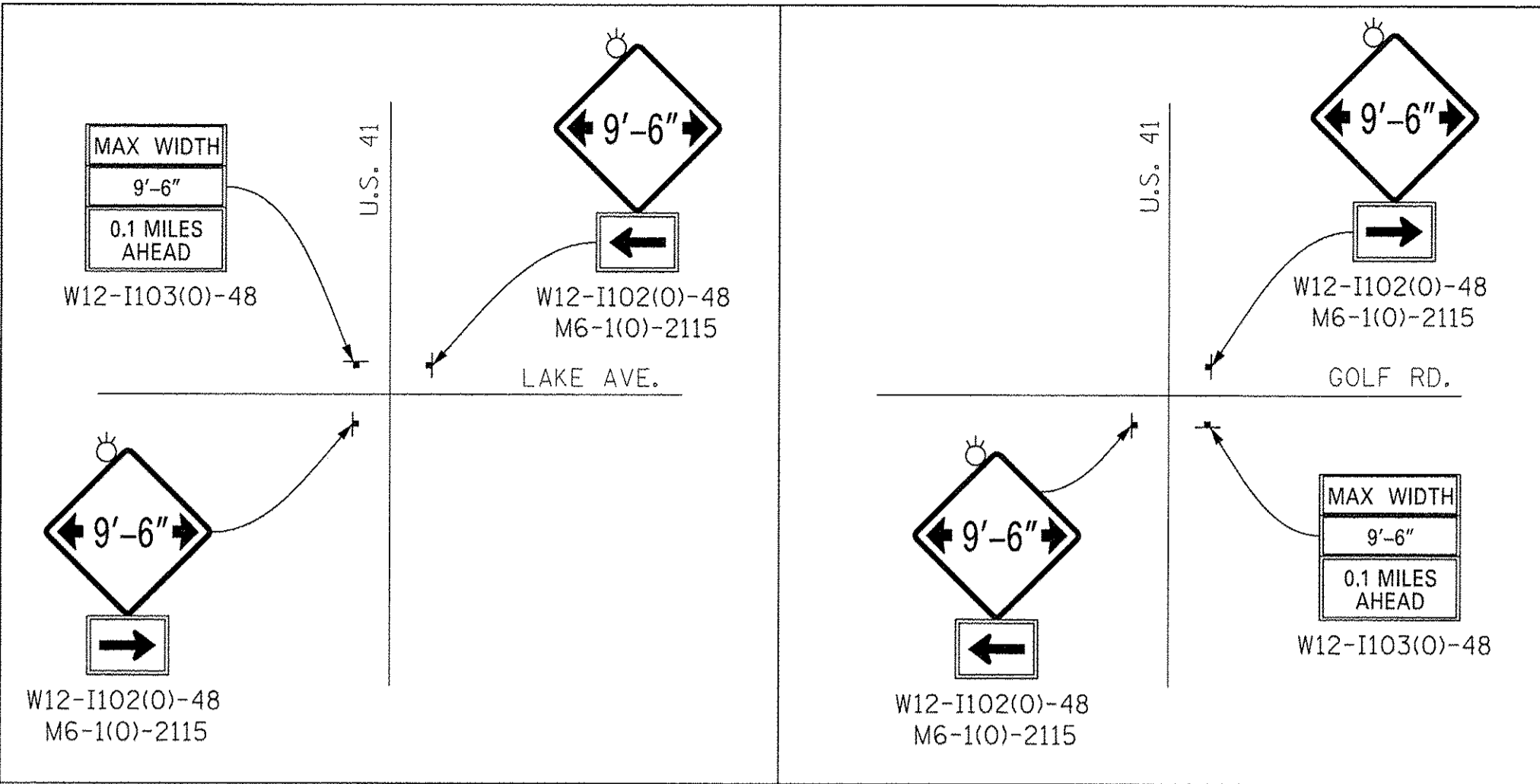
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN TYPICAL SECTIONS – STAGE 3			
SCALE: NONE	SHEET 3 OF 3 SHEETS	STA.	TO STA.

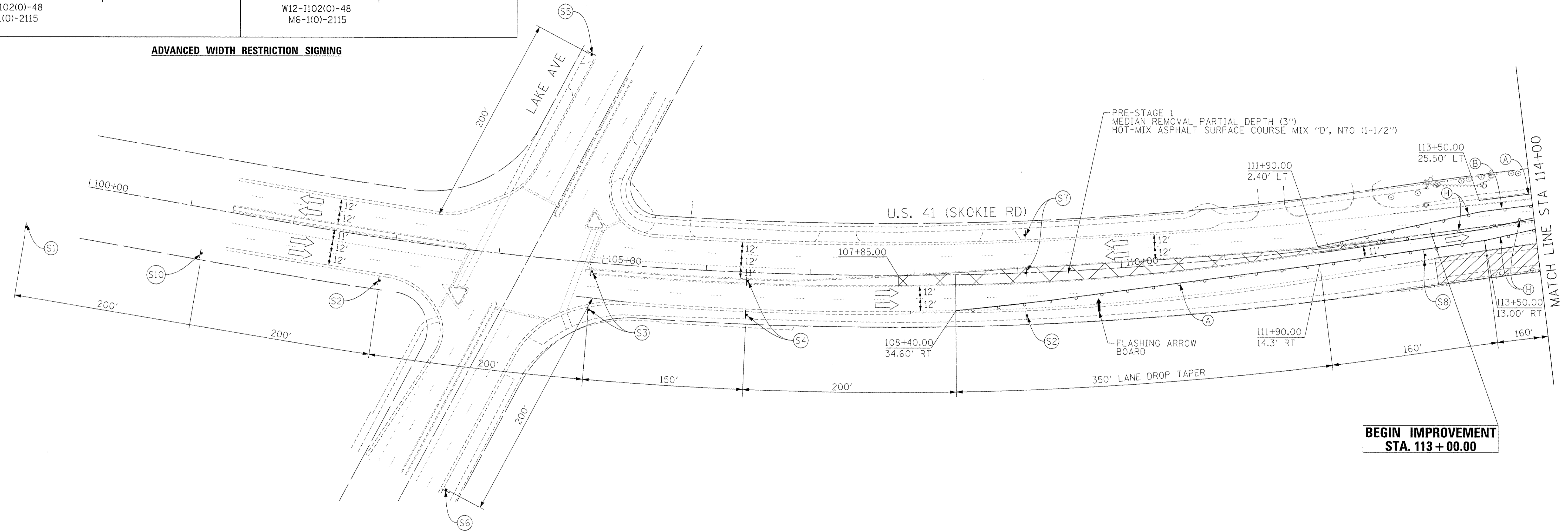
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	41
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

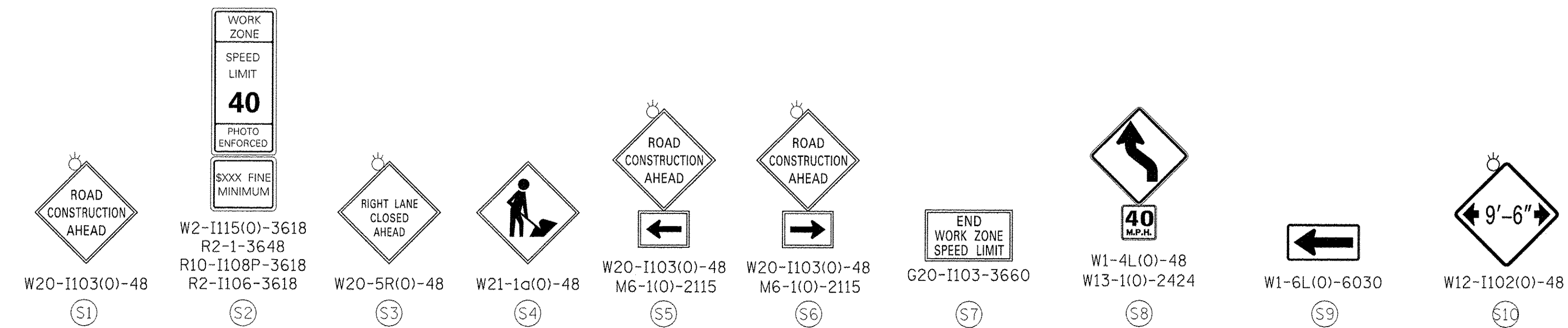
- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)



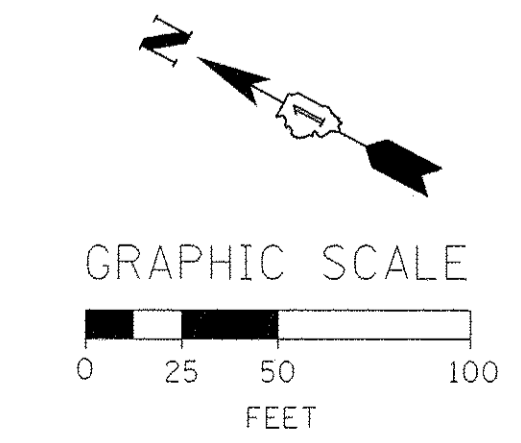
ADVANCED WIDTH RESTRICTION SIGNING



BEGIN IMPROVEMENT STA. 113 + 00.00



NOTES:
1. MILL AND OVERLAY OF CORRUGATED MEDIAN ON SKOKIE BLVD TO BE CONSTRUCTED PRE-STAGE 1 FROM STA. 114+00.00 TO STA 112+65.00.



FILE NAME = F:\60444116\900_Vor\A\910_CAD\20-SHEETS\CH12-0128-MOT-S\stage1-001.dgn

<p>303 East Wacker Drive, Suite 1400, Chicago, IL 60601 T 1-312-373-7700 F 1-312-373-6800</p>	USER NAME = andy.becker PLOT SCALE = 50.0000" / 1" PLOT DATE = 12/12/2016	DESIGNED - PHP DRAWN - PHP CHECKED - CJG DATE - 7/28/2016	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN STAGE 1 SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. 100+00 TO STA. 114+00	F.A.P. RTE. 350 SECTION 12-00194-00-CH COUNTY COOK TOTAL SHEETS 140 SHEET NO. 42 CONTRACT NO. 61C76 ILLINOIS FED. AID PROJECT
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NOTES:

- CONTRACTOR SHALL NOT IMPLEMENT LANE CLOSURES AND WORK ZONE ON SKOKIE BLVD UNTIL THE PROPOSED DRAINAGE ON WEST HALF OF HIBBARD ROAD FROM STA 15+68.00 TO STA 21+00.00 IS INSTALLED.
- CONTRACTOR SHALL CONFORM TO THE HIGHWAY STD 701611 FOR LANE CLOSURES ON SKOKIE BLVD TO INSTALL DRAINAGE SEWER IN THE INTERCHANGE AND TEMPORARY PAVEMENT ON EAST SIDE OF SKOKIE BLVD.
- TEMPORARY PAVEMENT FOR EAST SIDE OF SKOKIE BLVD INSTALLED ON PRE-STAGE 1 FROM STA. 114+00.00 TO STA 116+00.00. FOLLOW 701606 FOR LANE CLOSURE IN PRE-STAGE.

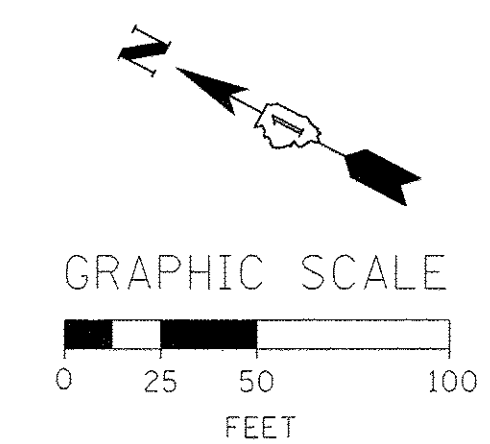
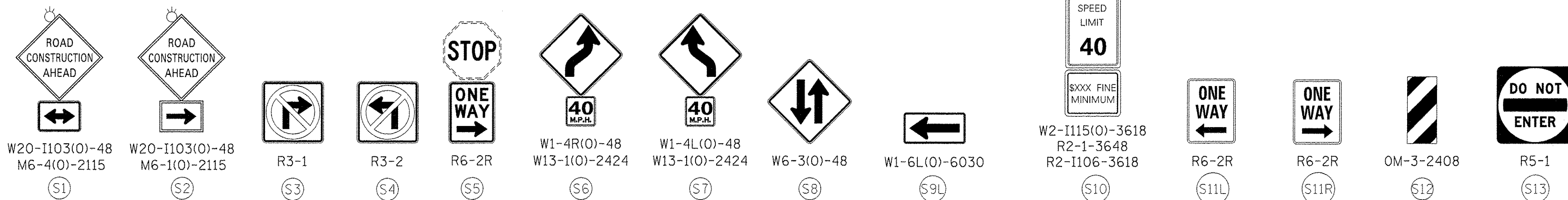
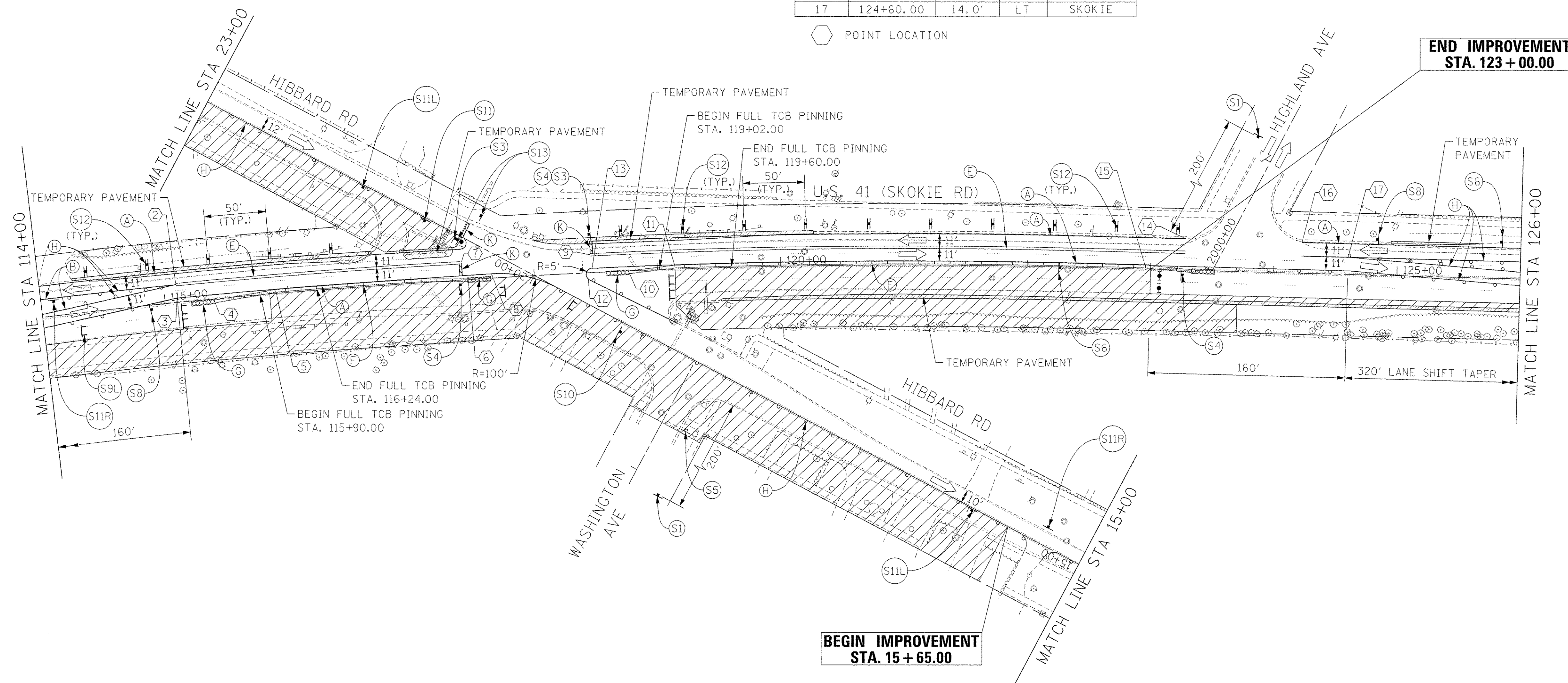
TRAFFIC CONTROL LAYOUT INFORMATION

POINT	STATION	OFFSET	LT/RT	BASELINE
2	115+10.00	14.5'	LT	SKOKIE
3	115+10.00	3.5'	LT	SKOKIE
4	115+39.97	2.2'	RT	SKOKIE
5	115+90.00	2.0'	LT	SKOKIE
6	117+46.21	2.0'	LT	SKOKIE
7	117+40.75	14.0'	LT	SKOKIE
8	117+65.00	3.5'	LT	SKOKIE
9	118+46.13	14.5'	LT	SKOKIE
10	118+76.88	1.1'	RT	SKOKIE
11	119+14.25	2.0'	LT	SKOKIE
12	118+43.69	5.4'	RT	SKOKIE
13	118+47.00	3.5'	LT	SKOKIE
14	123+27.83	25.50'	LT	SKOKIE
15	123+00.00	2.0'	LT	SKOKIE
16	124+23.00	25.0'	LT	SKOKIE
17	124+60.00	14.0'	LT	SKOKIE

POINT LOCATION

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN BI-DIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)



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USER NAME = andy.becker	DESIGNED - PHP	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - PHP	REVISED -
PLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

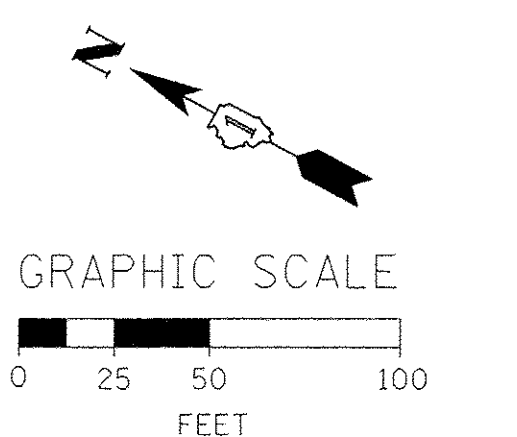
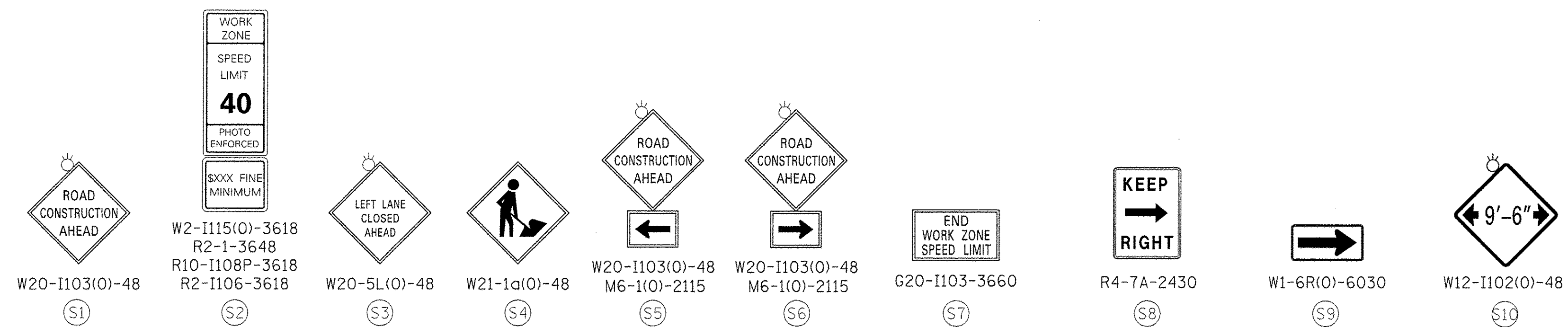
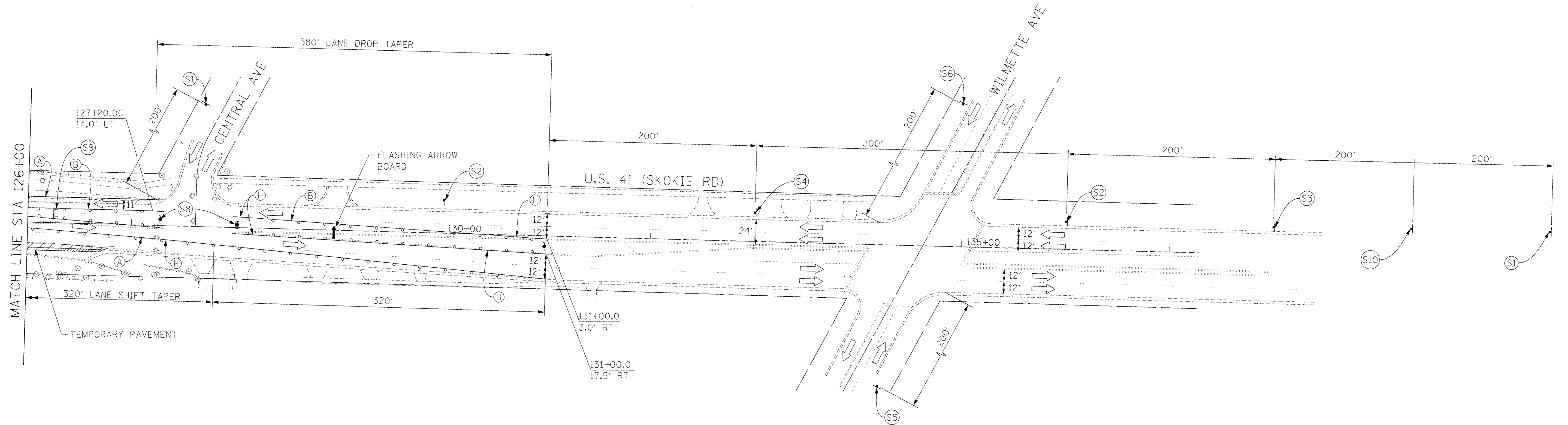
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 1
SCALE: 1" = 50'
SHEET 2 OF 4 SHEETS
STA. 114+00 TO STA. 126+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	43
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)



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PLOT SCALE = 50.0000' / in.	DRAWN - PHP	REVISED -
PLOT DATE = 12/28/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 1**

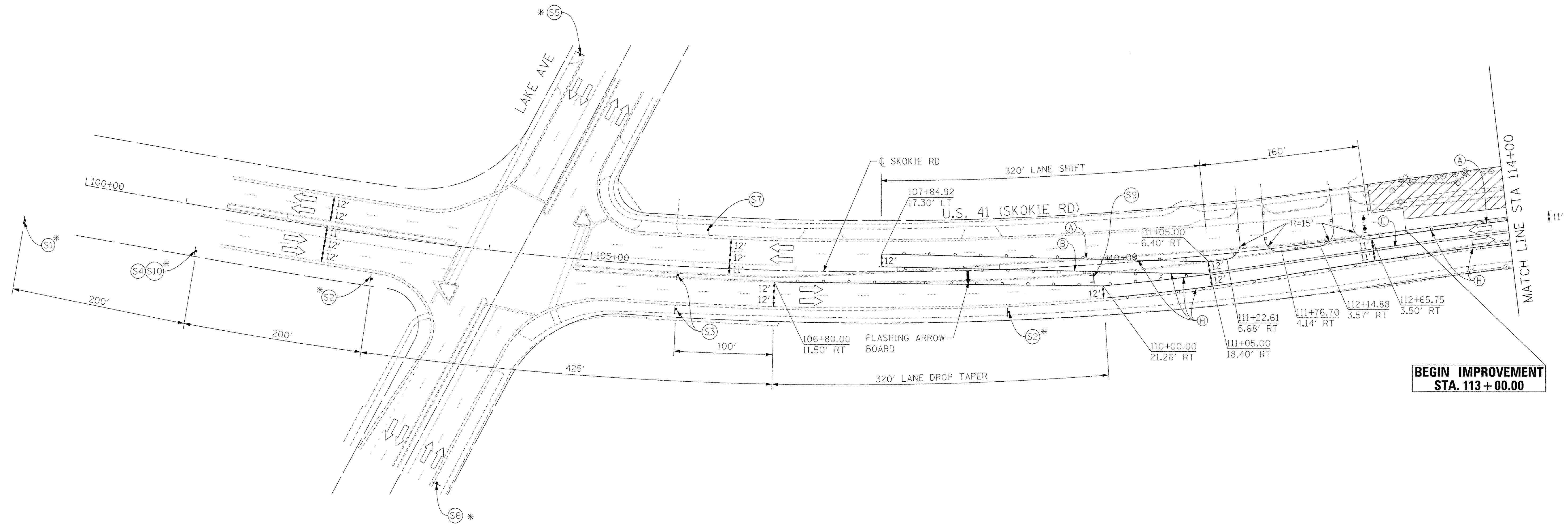
SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. 126+00 TO STA. 137+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				

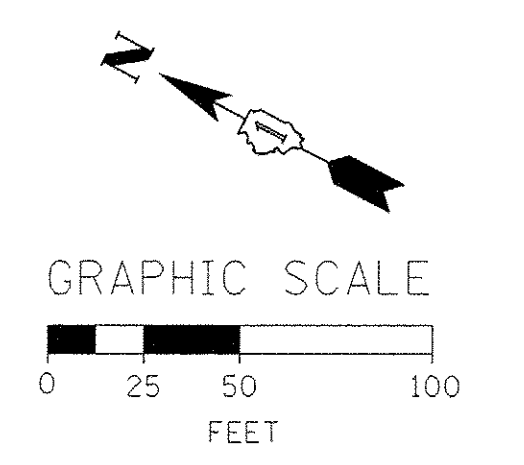
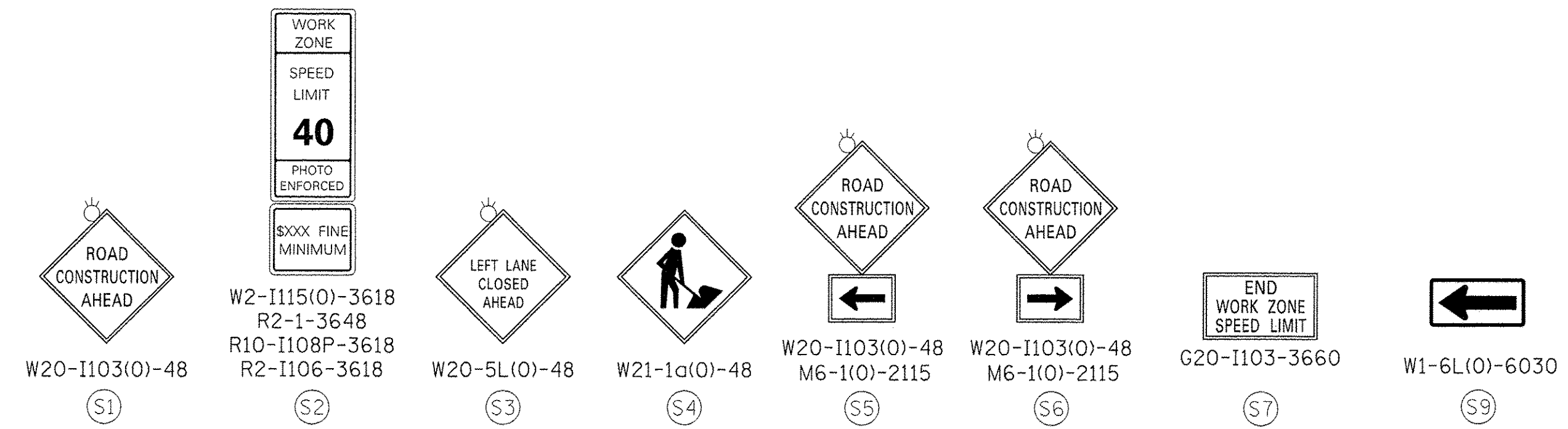
PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

* FROM PREVIOUS STAGE TO REMAIN

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)



BEGIN IMPROVEMENT STA. 113+00.00



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PLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 2**

SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. 100+00 TO STA. 114+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	46
				CONTRACT NO. 61C76
[ILLINOIS] FED. AID PROJECT				

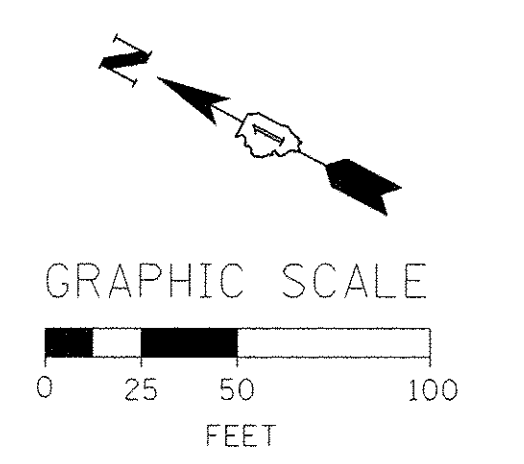
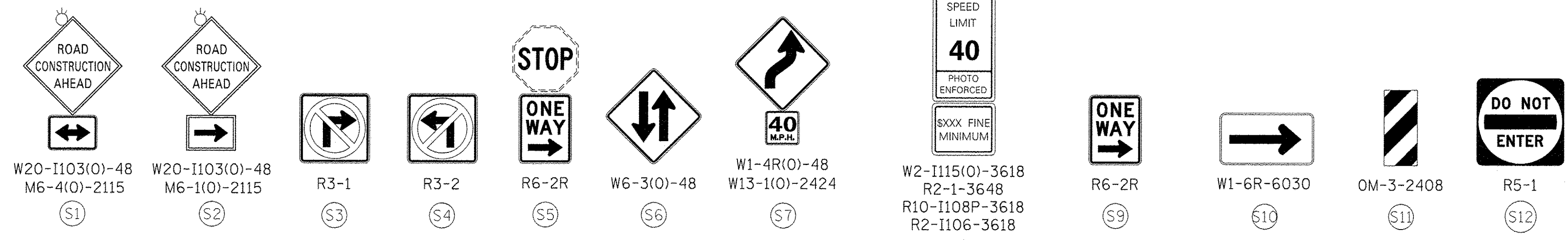
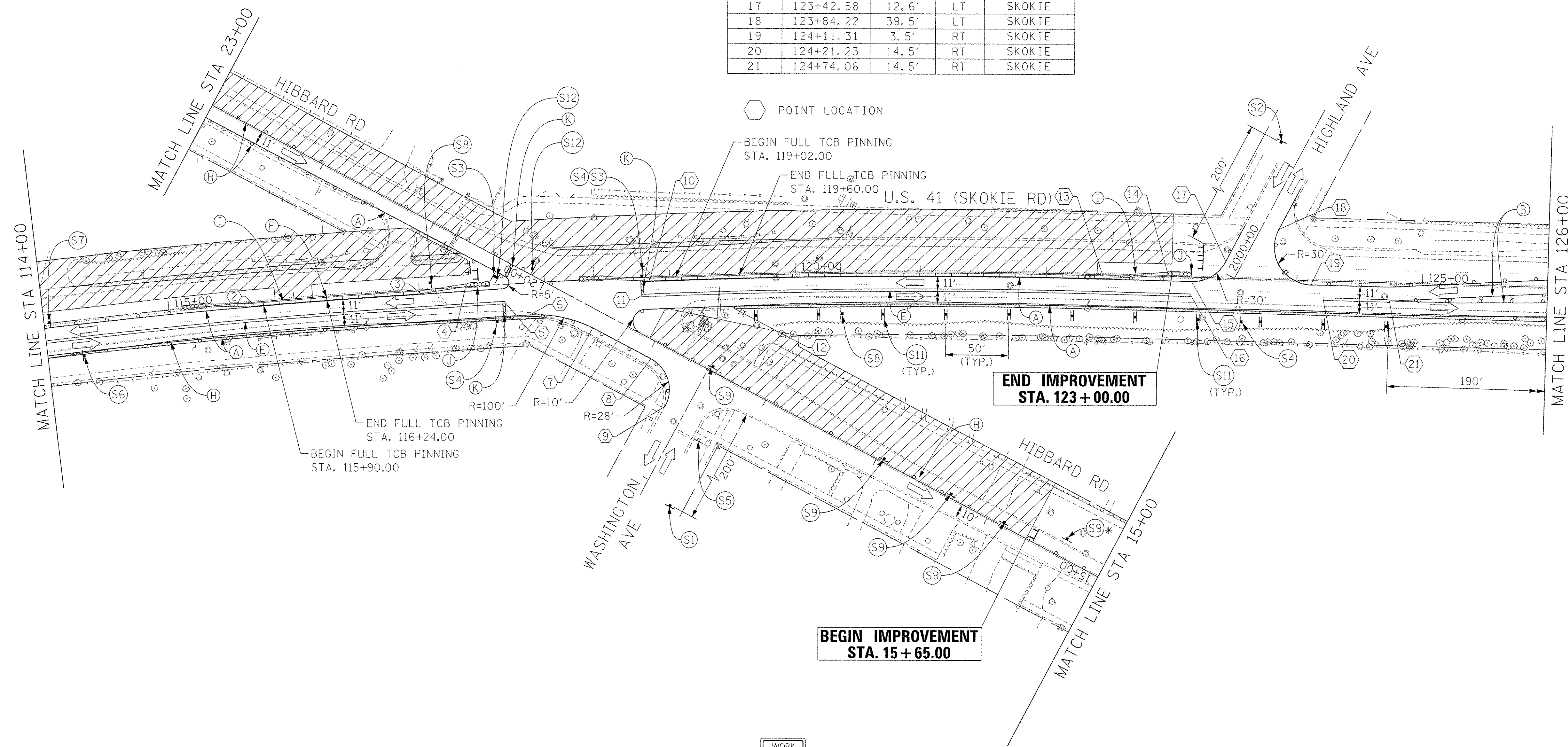
TRAFFIC CONTROL LAYOUT INFORMATION

POINT	STATION	OFFSET	LT/RT	BASELINE
2	115+67.40	2.0'	RT	SKOKIE
3	117+00.00	2.0'	RT	SKOKIE
4	117+37.37	1.1'	LT	SKOKIE
5	117+67.79	14.5'	RT	SKOKIE
6	117+86.82	25.5'	RT	SKOKIE
7	19+48.81	14.0'	LT	SKOKIE
8	18+96.42	14.0'	LT	SKOKIE
9	18+68.42	42.1'	LT	SKOKIE
10	118+84.00	2.0'	RT	SKOKIE
11	118+76.76	14.5'	RT	SKOKIE
12	119+51.01	27.5'	RT	SKOKIE
13	122+45.50	2.0'	RT	SKOKIE
14	122+96.95	2.2'	LT	SKOKIE
15	123+16.00	3.5'	RT	SKOKIE
16	123+15.75	14.5'	RT	SKOKIE
17	123+42.58	12.6'	LT	SKOKIE
18	123+84.22	39.5'	LT	SKOKIE
19	124+11.31	3.5'	RT	SKOKIE
20	124+21.23	14.5'	RT	SKOKIE
21	124+74.06	14.5'	RT	SKOKIE

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)

* FROM PREVIOUS STAGE TO REMAIN



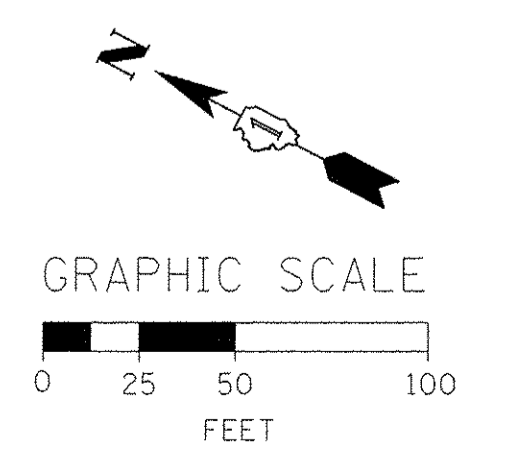
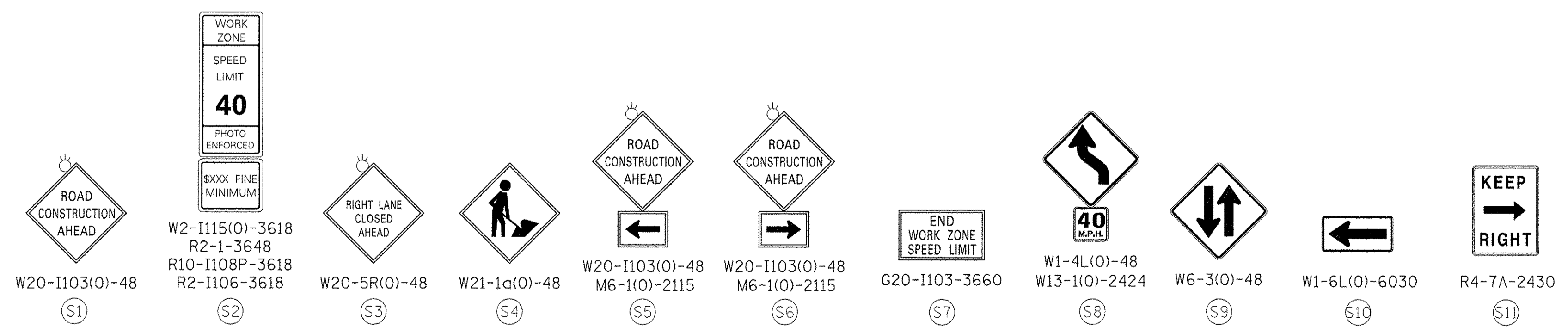
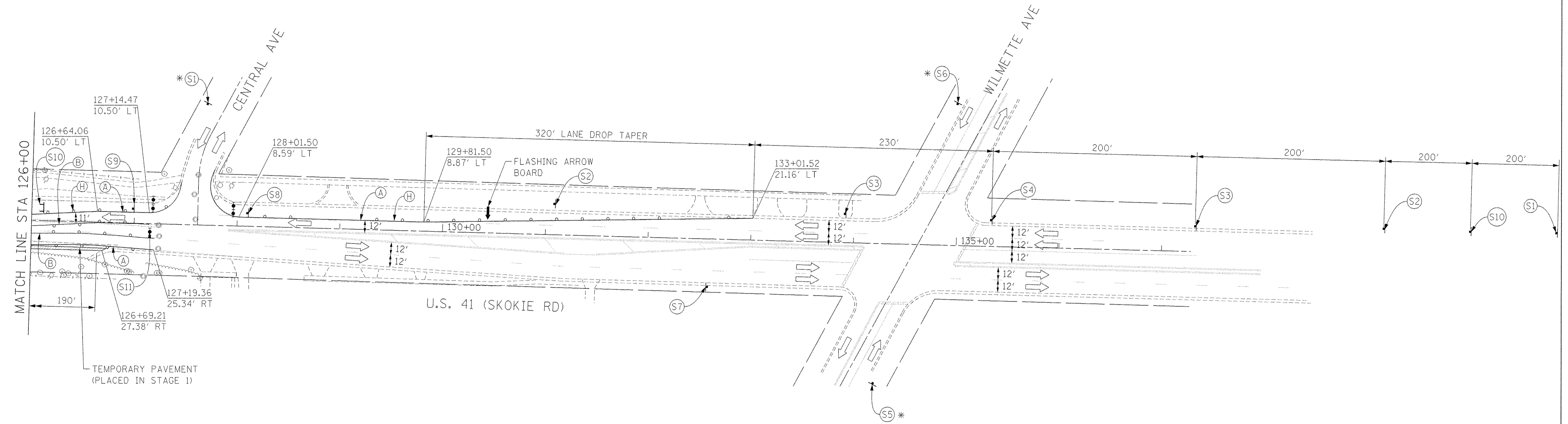
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AECOM <small>303 East Wacker Drive, Suite 1400, Chicago, IL 60601 T 1-312-373-7700 F 1-312-373-8800</small>	USER NAME = andy.becker	DESIGNED - PHP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN STAGE 2	F.A.P. RTE. = 350	SECTION = 12-00194-00-CH	COUNTY = COOK	TOTAL SHEETS = 140	SHEET NO. = 47
	PLOT SCALE = 50.0000' / in. PLOT DATE = 12/12/2016	DRAWN - PHP CHECKED - CJG DATE - 7/28/2016	REVISED - REVISED - REVISED - REVISED -			SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. 114+00 TO STA. 126+00	CONTRACT NO. 61C76 ILLINOIS FED. AID PROJECT			

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

* FROM PREVIOUS STAGE TO REMAIN

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)



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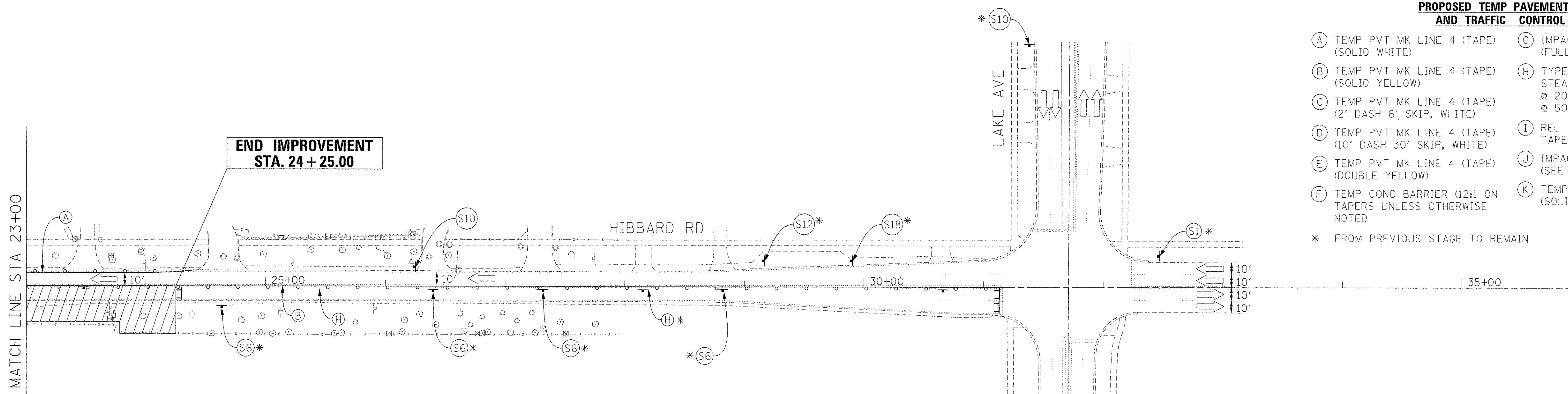
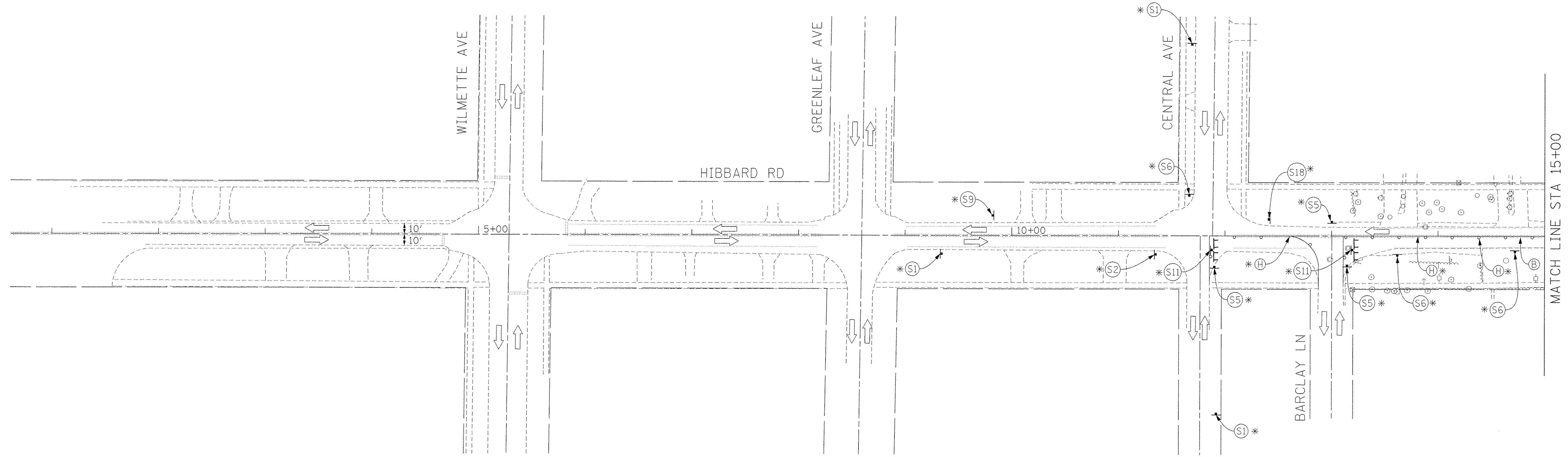
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	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 2**

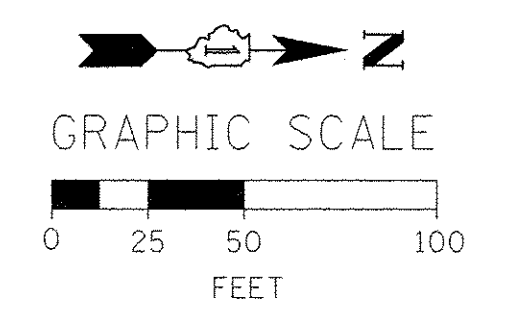
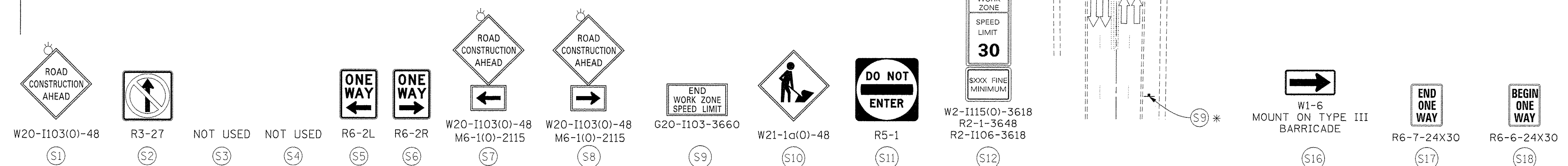
SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. 126+00 TO STA. 137+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	48
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				



PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
 - (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
 - (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
 - (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
 - (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
 - (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
 - (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
 - (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
 - (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
 - (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
 - (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)
- * FROM PREVIOUS STAGE TO REMAIN



FILE NAME = P:\6044116\902_Vor-A\910_CAD\20-SHEETS\CH12-0128-MOT-S-stage2-004.dgn

<p>303 East Wacker Drive, Suite 1400, Chicago, IL 60601 T 1-312-373-7700 F 1-312-373-6800</p>	USER NAME = andy.becker PLOT SCALE = 50.0000' / 1"	DESIGNED - PHP DRAWN - PHP CHECKED - CJG DATE - 7/28/2016	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN STAGE 2	F.A.P. RTE. 350 SECTION 12-00194-00-CH COUNTY COOK TOTAL SHEETS 140 SHEET NO. 49 CONTRACT NO. 61C76	ILLINOIS FED. AID PROJECT
	SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. 1+00 TO STA. 36+00						

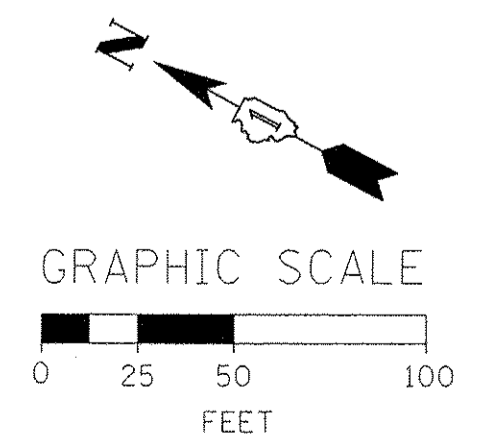
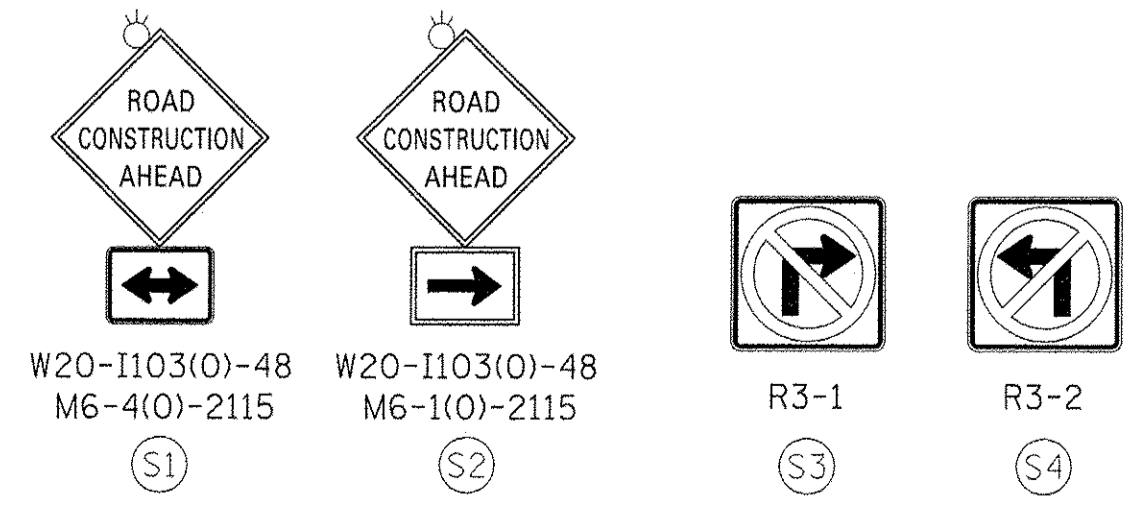
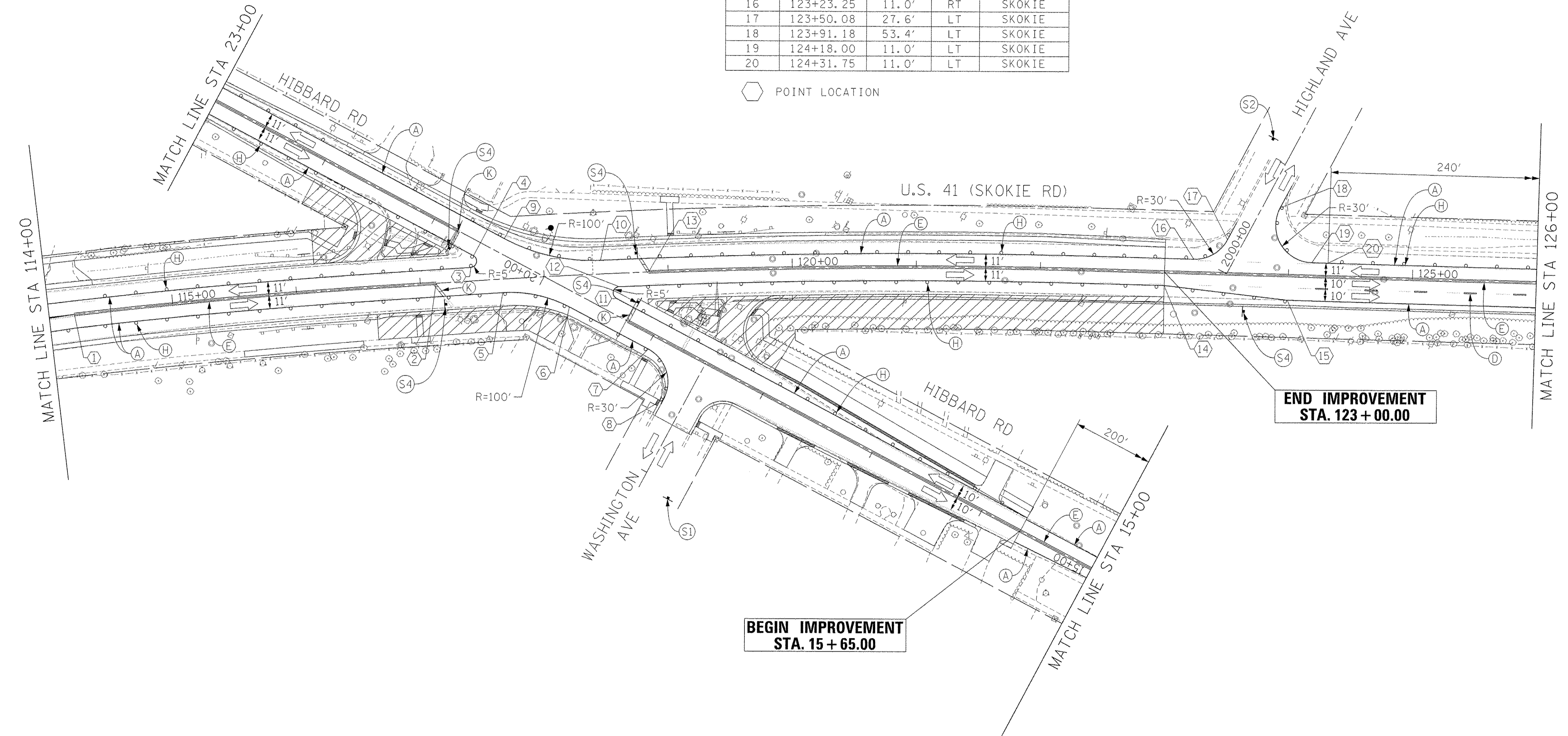
TRAFFIC CONTROL LAYOUT INFORMATION

POINT	STATION	OFFSET	LT/RT	BASELINE
1	114+20.23	0.0'	-	SKOKIE
2	117+12.79	0.0'	-	SKOKIE
3	117+41.53	12.0'	LT	SKOKIE
4	20+58.27	11.0'	LT	HIBBARD
5	117+65.98	11.0'	RT	SKOKIE
6	19+70.52	12.0'	LT	HIBBARD
7	18+98.42	12.0'	LT	HIBBARD
8	18+68.42	42.1'	LT	HIBBARD
9	20+42.96	12.0'	RT	HIBBARD
10	118+45.87	11.0'	LT	SKOKIE
11	19+40.46	12.0'	RT	HIBBARD
12	118+59.91	11.0'	RT	SKOKIE
13	118+84.17	0.0'	-	SKOKIE
14	123+00.00	11.0'	RT	SKOKIE
15	124+00.00	20.0'	RT	SKOKIE
16	123+23.25	11.0'	RT	SKOKIE
17	123+50.08	27.6'	LT	SKOKIE
18	123+91.18	53.4'	LT	SKOKIE
19	124+18.00	11.0'	LT	SKOKIE
20	124+31.75	11.0'	LT	SKOKIE

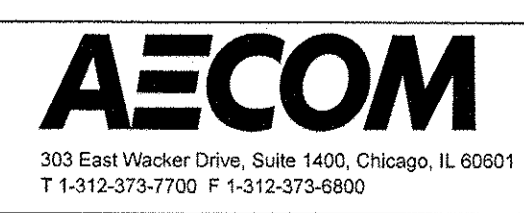
PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)

POINT LOCATION



FILE NAME = F:\60444110_0002_Mor-A_010_CAD_CAD_20-SHEETS\CAD\20-SHEETS\CH2-0120-MOT-S\page3-002.dgn



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	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

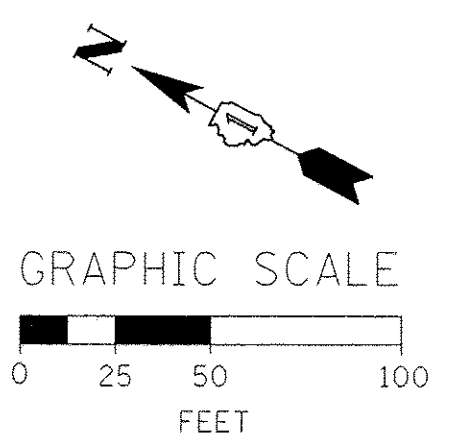
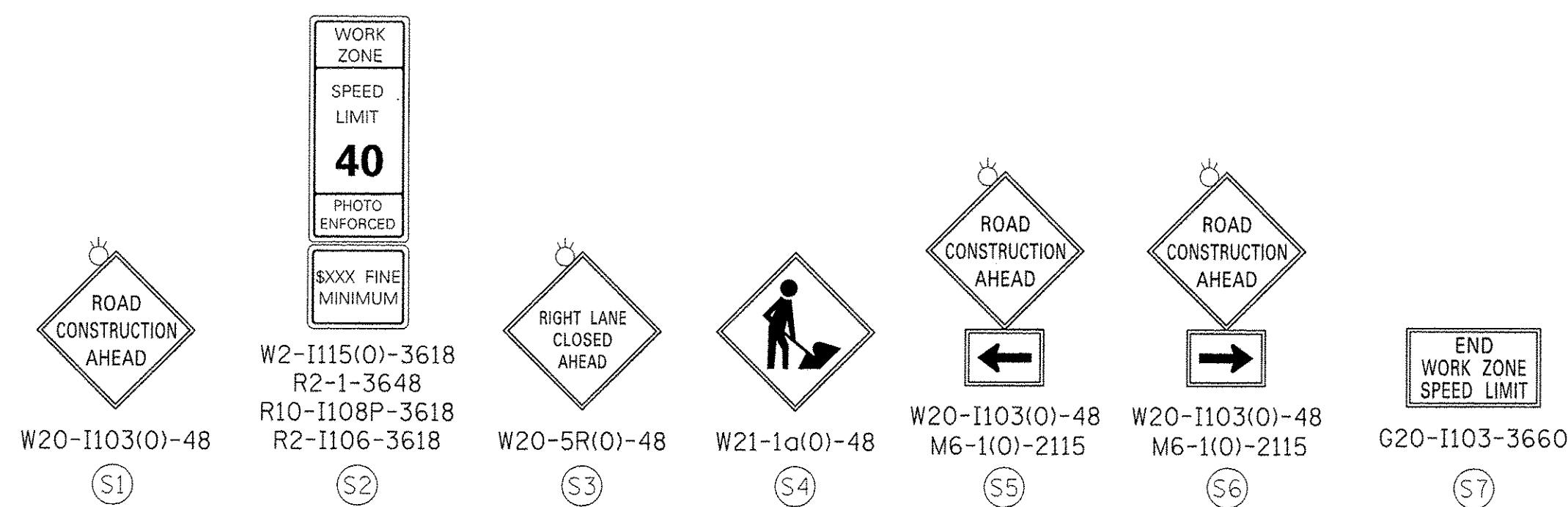
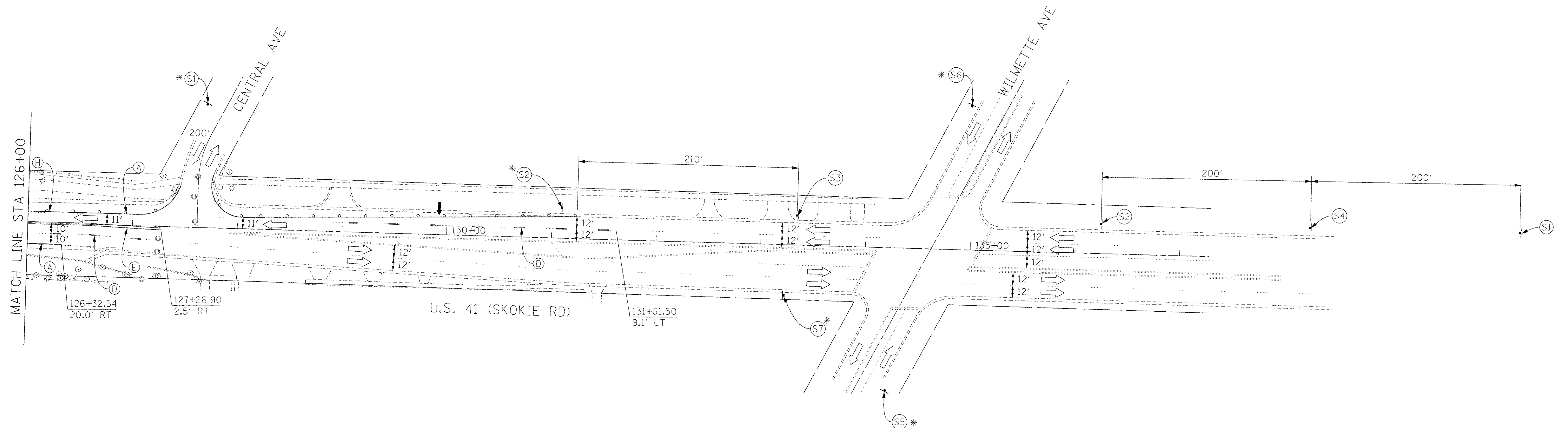
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 3**
SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. 114+00 TO STA. 126+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	51
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)

* FROM PREVIOUS STAGE TO REMAIN



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 3**

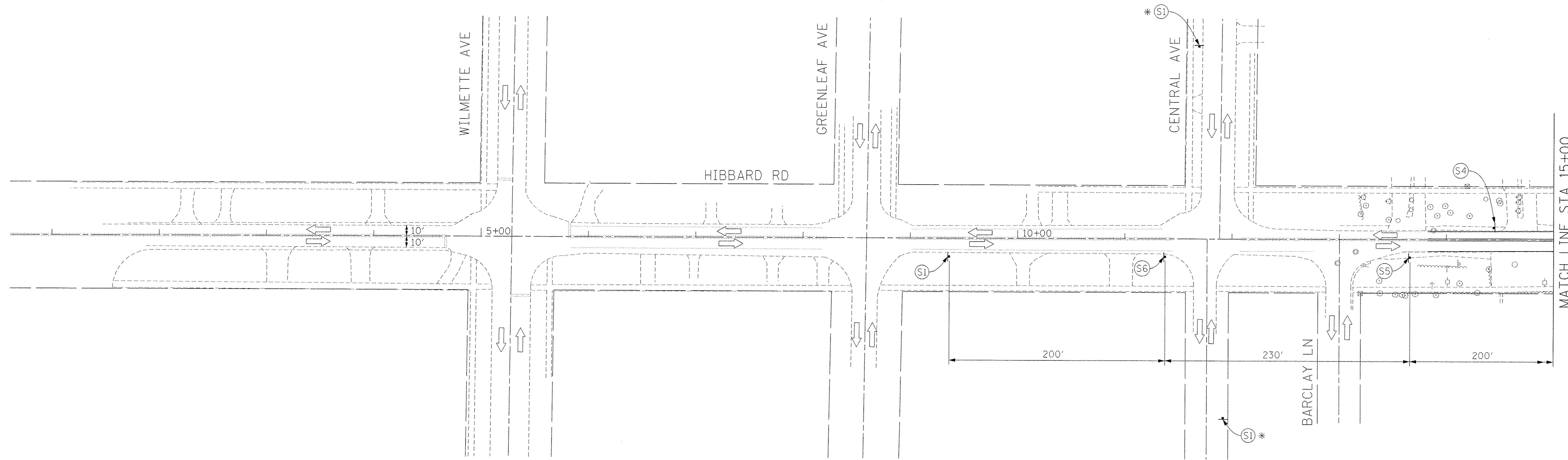
SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. 126+00 TO STA. 137+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	52
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

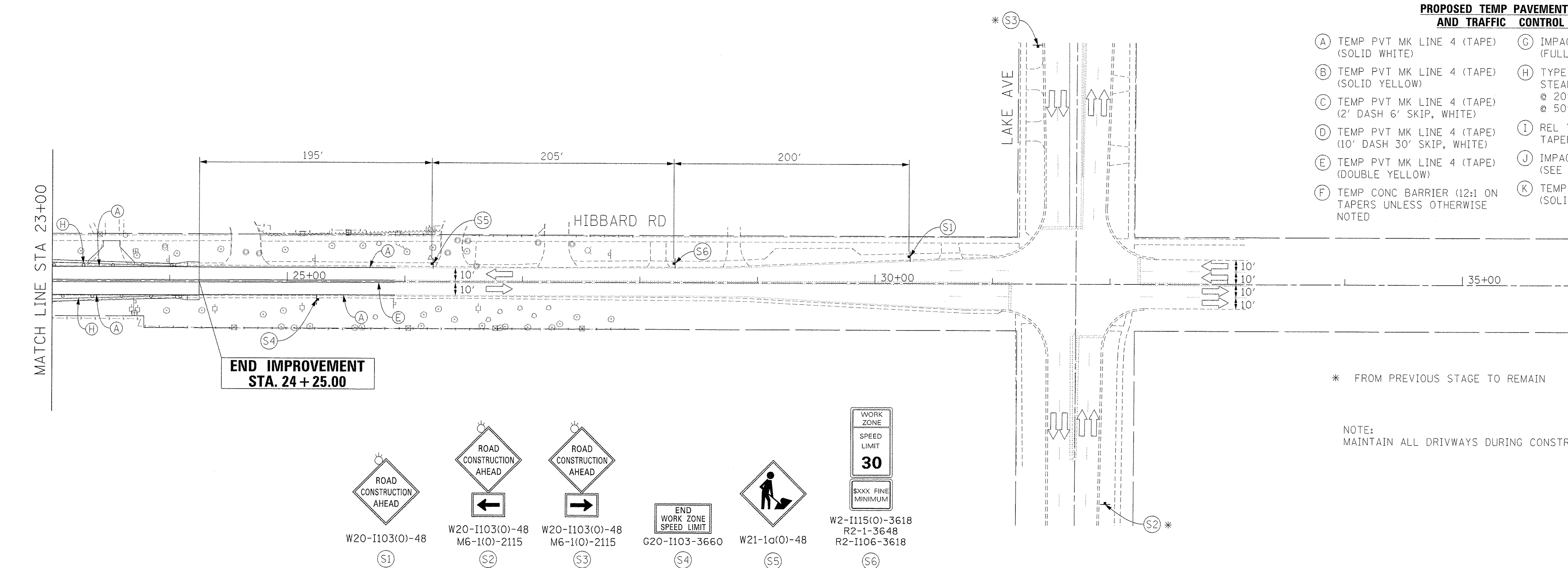
AECOM
303 East Wacker Drive, Suite 1400, Chicago, IL 60601
T 1-312-373-7700 F 1-312-373-8800

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PLOT DATE = 12/20/2016	DATE = 7/28/2016	REVISED -

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MATCH LINE STA 15+00

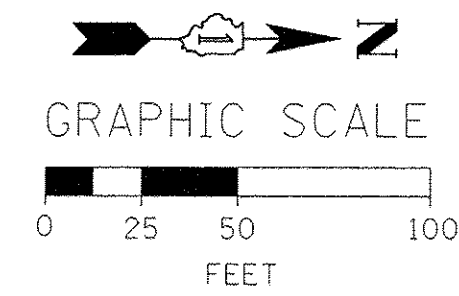
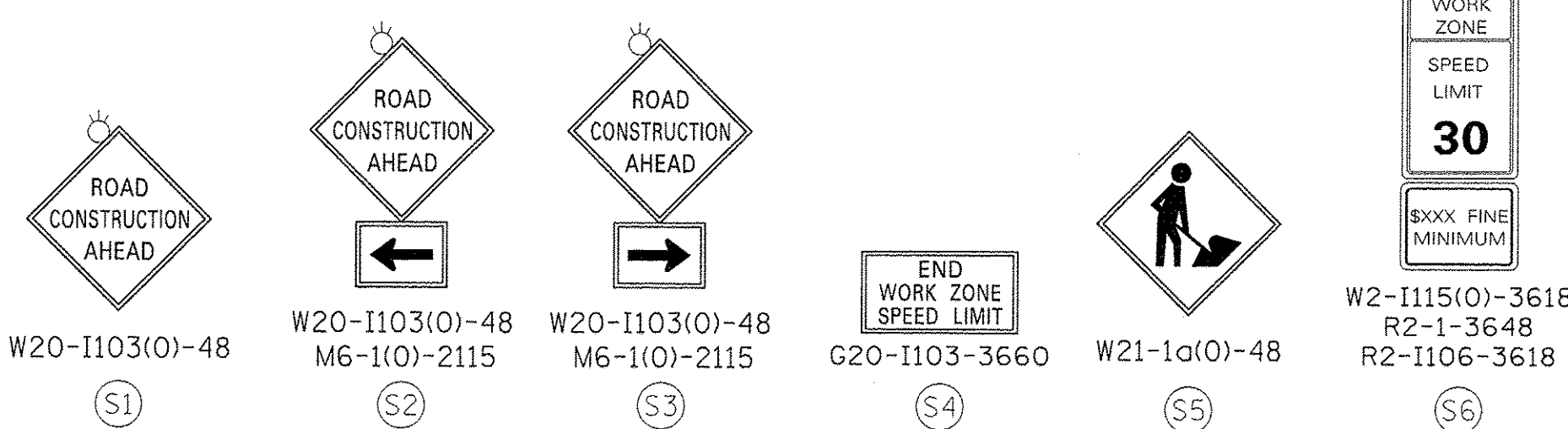


PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP PVT MK LINE 4 (TAPE) (SOLID WHITE)
- (B) TEMP PVT MK LINE 4 (TAPE) (SOLID YELLOW)
- (C) TEMP PVT MK LINE 4 (TAPE) (2' DASH 6' SKIP, WHITE)
- (D) TEMP PVT MK LINE 4 (TAPE) (10' DASH 30' SKIP, WHITE)
- (E) TEMP PVT MK LINE 4 (TAPE) (DOUBLE YELLOW)
- (F) TEMP CONC BARRIER (12:1 ON TAPERS UNLESS OTHERWISE NOTED)
- (G) IMPACT ATTENUATOR, TEMPORARY, (FULLY REDIRECTIVE NARROW) TEST LEVEL 2
- (H) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C (TYP) ON TAPERS AND CURVES @ 50' C-C (TYP) ON TANGENTS
- (I) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (K) TEMP PVT MK LINE 24 (TAPE) (SOLID WHITE)

* FROM PREVIOUS STAGE TO REMAIN

NOTE: MAINTAIN ALL DRIVEWAYS DURING CONSTRUCTION.



FILE NAME = P:\6044118\900_L\010_CAD\20-SHEETS\CH12-0128-MOT-S\page3-004.dgn



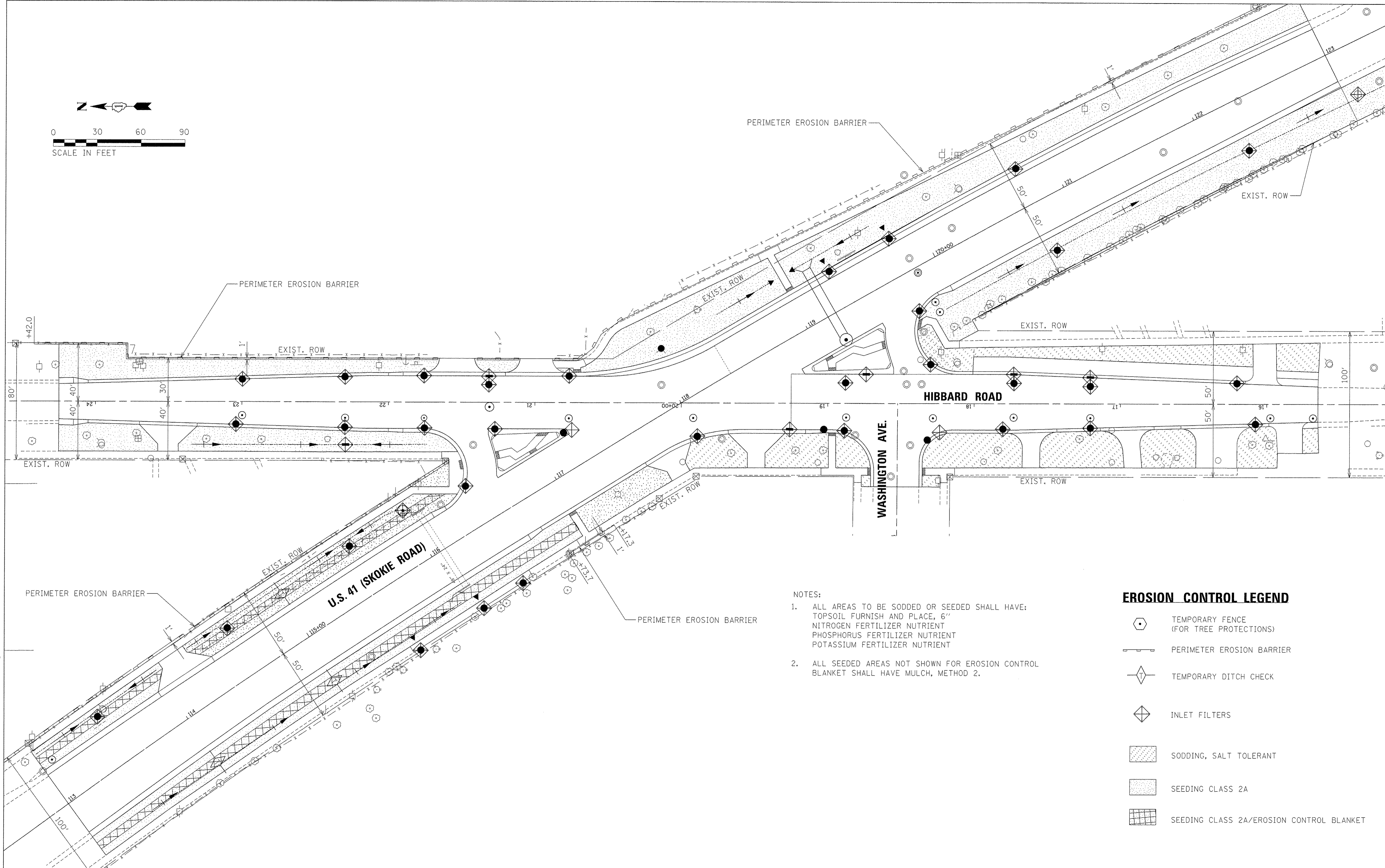
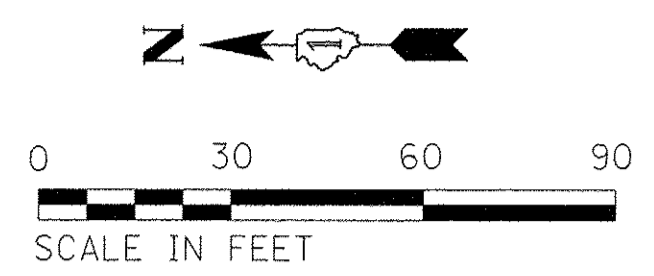
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PLLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 3**

SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. 1+00 TO STA. 36+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	53
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				



- NOTES:**
- ALL AREAS TO BE SODDED OR SEEDED SHALL HAVE:
 TOPSOIL FURNISH AND PLACE, 6"
 NITROGEN FERTILIZER NUTRIENT
 PHOSPHORUS FERTILIZER NUTRIENT
 POTASSIUM FERTILIZER NUTRIENT
 - ALL SEEDED AREAS NOT SHOWN FOR EROSION CONTROL
 BLANKET SHALL HAVE MULCH, METHOD 2.

EROSION CONTROL LEGEND

	TEMPORARY FENCE (FOR TREE PROTECTIONS)
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET FILTERS
	SODDING, SALT TOLERANT
	SEEDING CLASS 2A
	SEEDING CLASS 2A/EROSION CONTROL BLANKET

FILE NAME = P:\60444116\300_Work\310_CAD\20-SHEETS\CH12-0128-Erosion-Contr-01.dgn



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PLOT DATE = 12/12/2016	CHECKED -	REVISED -
	DATE = 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

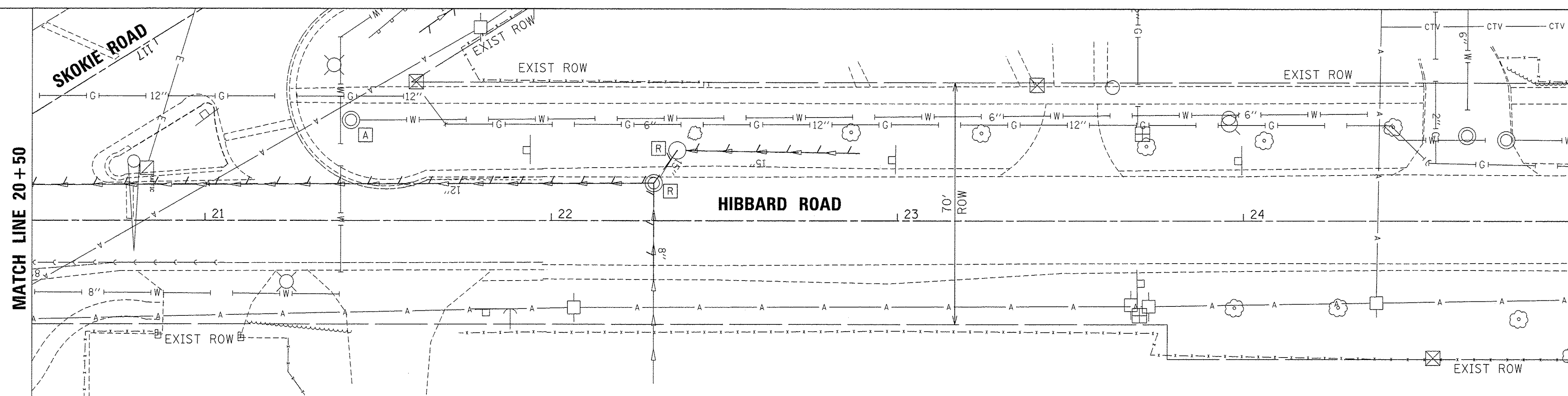
**U.S. 41 (SKOKIE RD) AT HIBBARD RD
EROSION CONTROL AND LANDSCAPING PLAN**

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

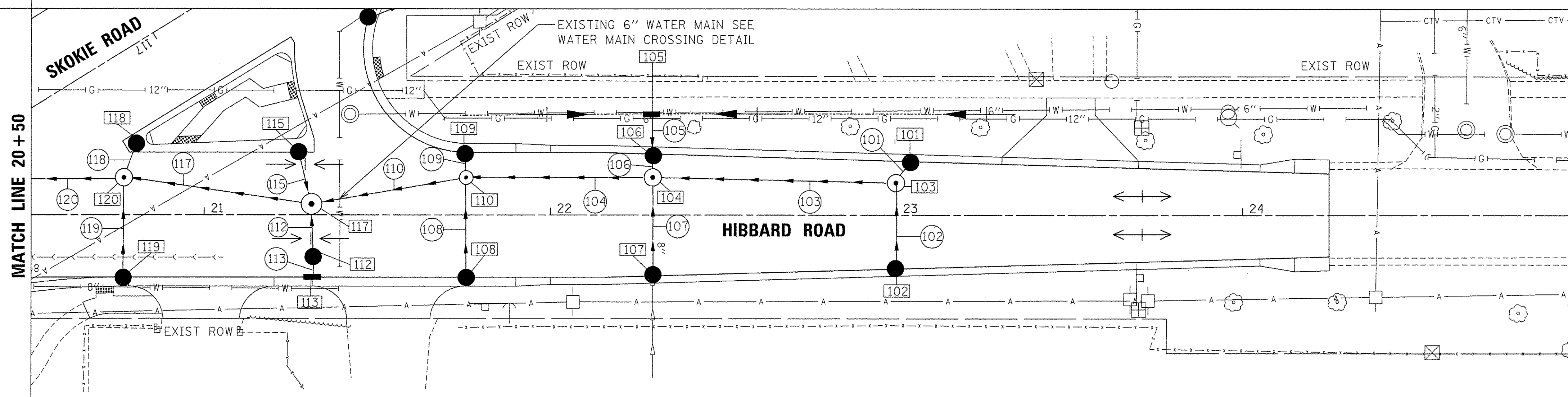
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	54
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C76	

PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
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	NO.	

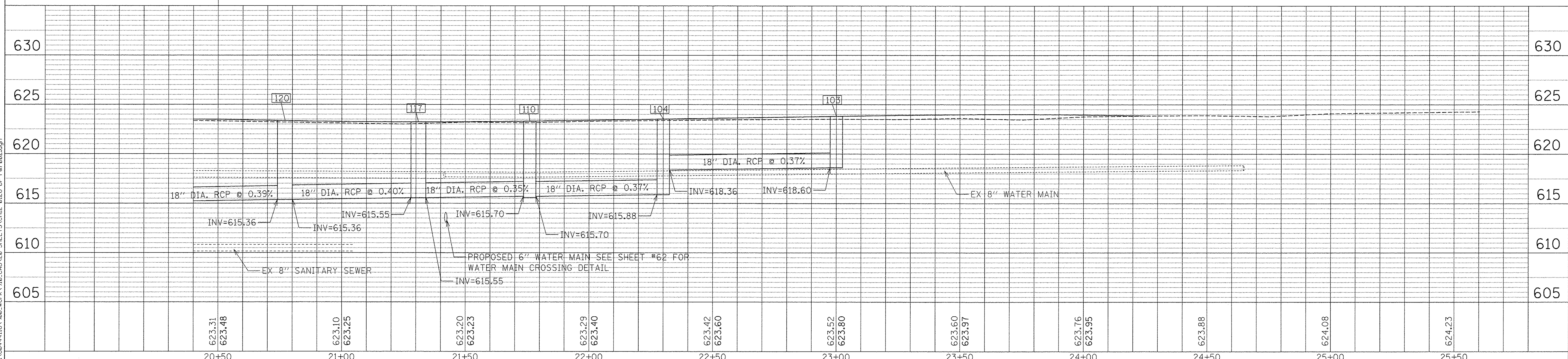
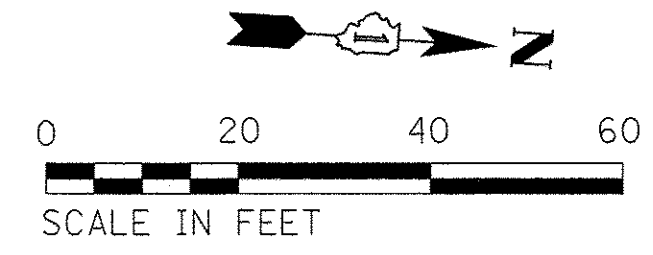
PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE	NOTATION
	NO.	



- LEGEND**
- [R] REMOVING MANHOLES, CATCH BASINS, AND INLETS
 - STORM SEWER REMOVAL
 - [A] ADJUSTING MANHOLES, CATCH BASINS, AND INLETS
 - EX STORM SEWER
 - EX SANITARY SEWER
 - EX STRUCTURE



- LEGEND**
- PR STORM SEWER
 - [150] STRUCTURE NUMBER
 - (121) PIPE NUMBER
 - PR INLET STRUCTURE
 - PR CATCH BASIN
 - PR MANHOLE



FILE NAME = F:\68441161\9002_Wo-A\910_CAD\20-SHEETS\CH12-0126-D--P&R\002.dgn



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

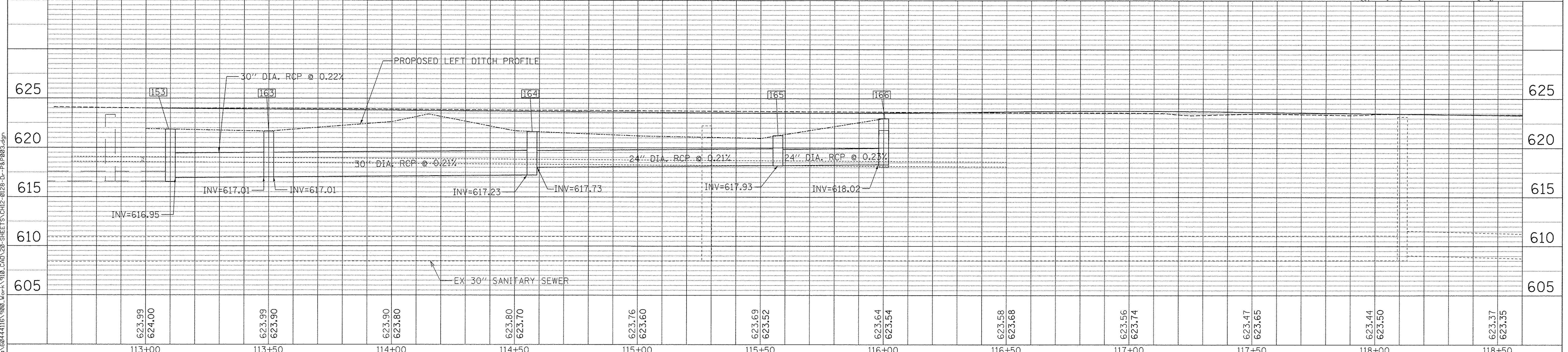
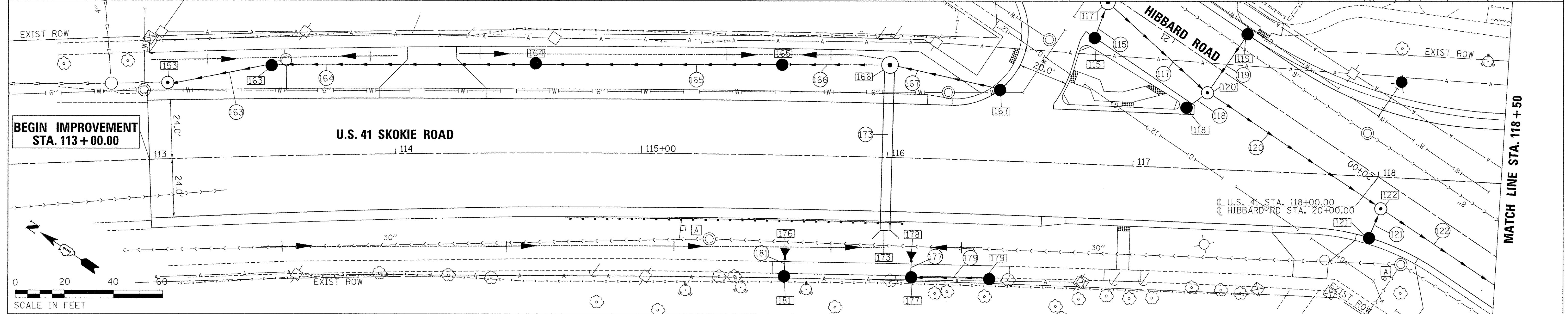
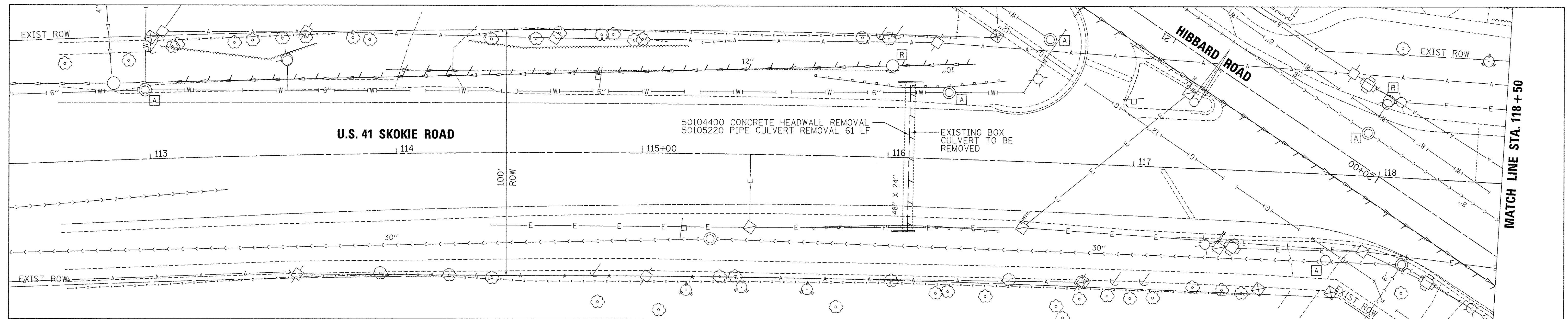
**U.S. 41 (SKOKIE RD) AT HIBBARD RD
DRAINAGE PLAN & PROFILE**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	56
CONTRACT NO. 61076			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHKD	



623.99 624.00	623.99 623.90	623.90 623.80	623.80 623.70	623.76 623.60	623.69 623.52	623.64 623.54	623.58 623.68	623.56 623.74	623.47 623.65	623.44 623.50	623.37 623.35
113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00	117+50	118+00	118+50



USER NAME = andy.becker	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 12/12/2016	CHECKED -	REVISED -
	DATE = 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

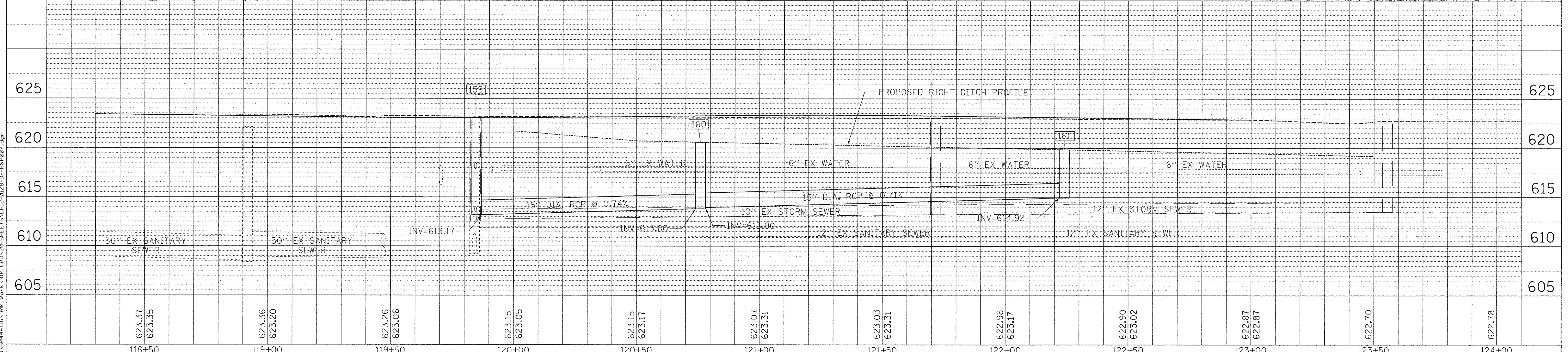
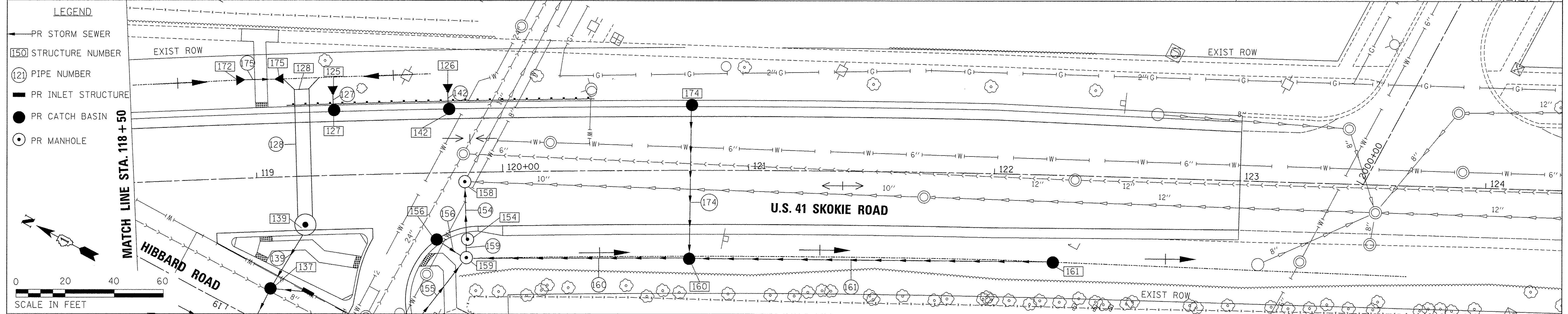
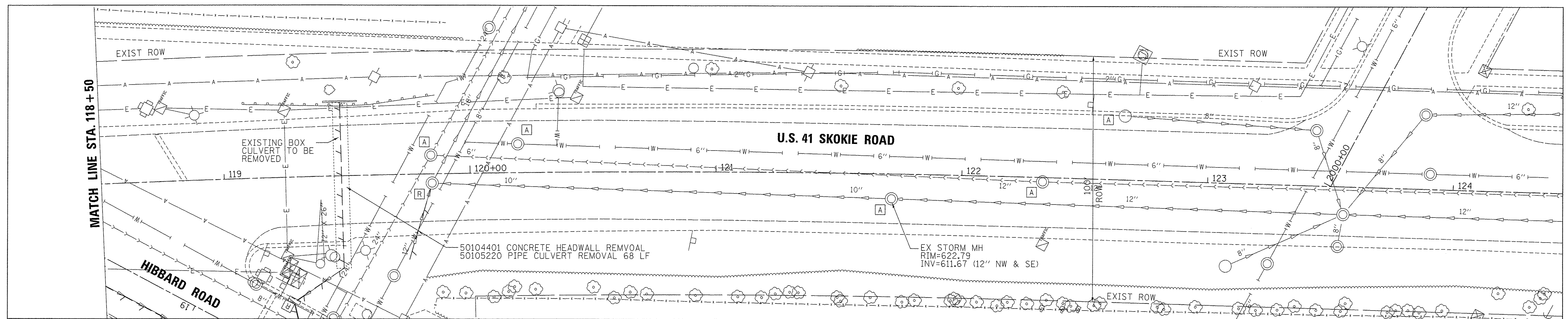
U.S. 41 (SKOKIE RD) AT HIBBARD RD
DRAINAGE PLAN & PROFILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	57
CONTRACT NO. 61C76			[ILLINOIS] FED. AID PROJECT	

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

PLAN	DATE
SURVEYED	
PLOTTED	
CHECKED	
BY	
NO.	
NOTE BOOK	
NO.	
FILE NAME	

PROFILE	DATE
SURVEYED	
PLOTTED	
CHECKED	
BY	
NO.	
NOTE BOOK	
NO.	
FILE NAME	



118+50	623.37 623.35	119+00	623.36 623.20	119+50	623.26 623.06	120+00	623.15 623.05	120+50	623.15 623.17	121+00	623.07 623.31	121+50	623.03 623.31	122+00	622.98 623.17	122+50	622.90 623.02	123+00	622.87 622.87	123+50	622.70	124+00	622.78
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PLOT SCALE = 20,0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 12/12/2016	CHECKED -	REVISED -
	DATE = 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
DRAINAGE PLAN & PROFILE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	58
CONTRACT NO. 61C76				
[ILLINOIS] FED. AID PROJECT				

FILE NAME = F:\60444116\900_Mor\A\910_CAD\20-SHEETS\CH2-0126-D--P&P\004.dgn

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	PAY ITEM NUMBER	RIM ELEV.	STORM SEWER INVERT			
						NORTH	SOUTH	EAST	WEST
101	23+04	15.46' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.45			618.80	
102	23+00	15.58' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.21				618.90
103	23+00	9.28' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400	624.46		618.60	618.70	618.70
104	22+30	10.86' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400	623.30	618.36	615.88	615.88	618.27
105	22+29	29.22' LT	INLETS, TYPE A, TYPE 8 GRATE	60236200	621.30			618.56	
106	22+30	17.58' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.28			618.45	618.45
107	22+30	17.58' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	622.91			616.00	616.00
108	21+76	18.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.12				618.37
109	21+75	18.02' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.24			618.00	
110	21+76	10.75' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400	623.13	615.70	615.70	617.98	617.93
112	21+32	12.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60200205	622.98			620.00	617.90
113	21+25	18.00' RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	622.83	620.40			
115	21+26	18.00' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	622.96			617.83	
117	21+31	3.12' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	623.20	615.55	615.55	617.65	617.75
118	20+80	18.83' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.47			617.50	
119	20+77	18.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	622.71				617.61
120	20+77	10.75' LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	623.32	615.36	615.36	617.34	617.40
121	19+90	13.95' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.27			616.90	
122	19+92	10.21' LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	623.20	615.05	615.05		616.74
125	119+32	32.39' LT	PRECAST REINFORCED CONCRETE END SECTIONS 12"	54213447					618.40
126	119+78	32.64' LT	PRECAST REINFORCED CONCRETE END SECTIONS 12"	54213447					618.70
127	119+32	26.00' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	623.27			618.50	
128	119+19	35.43' LT	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	623.59				618.75
131	19+25	18.00' LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	622.60		616.15		
132	19+03	18.04' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	622.50	615.90	615.90		
133	18+89	19.11' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	622.48	615.80		615.80	
135	18+87	9.61' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	622.81	614.52	614.52	615.80	615.75
136	18+73	20.00' RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	622.71		620.00		
137	18+88	14.14' RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60203905	622.70	619.85		616.00	616.00
139	119+19	22.00' RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469	622.78			617.10	617.10
140	18+28	9.77' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	622.78	614.23	614.23		615.65
141	18+24	19.75' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	622.24			615.80	
142	119+79	26.00' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	622.74			618.80	
143	17+73	9.46' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	623.15	614.14	614.14	617.00	615.50
144	17+21	9.65' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	623.31	614.05	614.05	616.25	616.45
145	15+98	9.48' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	623.26	613.90	613.90	618.20	616.43
146	17+80	17.95' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	622.89			615.55	
147	17+73	13.88' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60200205	622.93			619.90	617.20
147A	17+73	19.91' RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	622.90				620.20
148	17+21	16.44' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.24			616.50	
149	17+21	11.95' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60200205	623.22			619.70	616.50
149A	17+21	17.76' RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	60234200	623.21				620.00
150	16+07	13.21' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	623.26			616.50	
151	16+20	14.10' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	623.19				618.50
152	15+68	9.50' LT	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	X6020096	623.16	613.86	613.86 EX		
153	113+08	31.0' LT	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	X6020096	622.69	616.95	616.95		
154	119+85	25.70' RT	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	X6020096	622.88			613.00	613.00

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USER NAME = andy.becker
 PLOT SCALE = 50.0001' / in.
 PLOT DATE = 12/12/2016

DESIGNED -
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 DATE = 7/28/2016

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
 DRAINAGE SCHEDULES

SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	59
CONTRACT NO. 61C76				
[ILLINOIS] FED. AID PROJECT				

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	PAY ITEM NUMBER	RIM ELEV.	STORM SEWER INVERT			
						NORTH	SOUTH	EAST	WEST
155	18+30	26.70' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	60201330	622.77			616.10	
156	119+73	27.06' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	622.82		616.30		616.30
158	119+85	3.78' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	623.07				612.80
159	119+85	34.70' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	623.04	616.18	613.17	613.07	615.80
160	120+76	35.75' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805	620.58	613.80	613.90	615.00	
161	122+24	35.81' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805	619.83	614.92			
163	113+50	36.82' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	60204505	621.65	617.01	617.01		
164	114+57	35.91' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	60204505	621.21	617.23	617.23		
165	115+57	36.70' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	60204505	620.90	617.43	617.43		
166	116+00	37.64' LT	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, OPEN LID	60224445	621.61	617.52	617.52		618.90
167	116+45	29.30' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805	623.31	620.80			
172	118+97	40.00' LT	PRECAST REINFORCED CONCRETE END SECTIONS 12"	54213447				620.40	
173	116+00	29.70' RT	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	622.88			619.00	
174	120+77	26.00' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	622.70				615.80
175	119+09	40.00' LT	PRECAST REINFORCED CONCRETE END SECTIONS 12"	54213447					618.80
176	115+59	39.2' RT	PRECAST REINFORCED CONCRETE END SECTIONS 12"	54213447					620.50
177	116+11	48.2' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805	622.00		619.45	619.45	
178	116+11	39.3' RT	PRECAST REINFORCED CONCRETE END SECTIONS 12"	54213447	622.85				619.40
179	116+43	48.2' RT	CATCH BASINS, TYPE C, TYPE 8 GRATE	60207605	622.10	619.60			
181	115+59	49.3' RT	CATCH BASINS, TYPE C, TYPE 8 GRATE	60207605	622.10			620.55	

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (INCH)	LENGTH (FT)	SLOPE (%)	TBF (CY)	PAY ITEM NUMBER
	FROM	TO								
101	101	103	STORM SEWER	A	1	12	5.0	2.00%	1.3	550A0050
102	102	103	STORM SEWER	A	1	12	22.3	0.90%	5.3	550A0050
103	103	104	STORM SEWER	A	2	18	65.3	0.37%	18.3	550A0380
104	104	110	STORM SEWER	A	2	18	48.9	0.37%	38.8	550A0380
105	105	106	STORM SEWER (WATER MAIN REQUIREMENTS)		1	12	10.6	1.04%	1.4	Z0056608
106	106	104	STORM SEWER	A	1	12	4.2	4.29%	0.9	550A0050
107	107	104	STORM SEWER	A	1	12	27	0.44%	19.7	550A0050
108	108	110	STORM SEWER	A	1	12	26.3	1.48%	5.7	550A0050
109	109	110	STORM SEWER	A	1	12	4.7	1.49%	1.2	550A0050
110	110	117	STORM SEWER (WATER MAIN REQUIREMENTS)		2	18	40.3	0.37%	32.0	Z0056612
112	112	117	STORM SEWER	A	1	12	10.2	2.45%	2.6	550A0050
113	113	112	STORM SEWER (WATER MAIN REQUIREMENTS)		1	12	5.5	7.27%	0.7	Z0056608
115	115	117	STORM SEWER	A	1	12	10.5	0.76%	2.7	550A0050
117	117	120	STORM SEWER	A	2	18	49.2	0.39%	40.8	550A0380
118	118	120	STORM SEWER	A	1	12	6	1.67%	1.9	550A0050
119	119	120	STORM SEWER	A	1	12	25.9	1.04%	7.2	550A0050
120	120	122	STORM SEWER	A	2	18	79	0.39%	71.3	550A0380
121	121	122	STORM SEWER	A	1	12	13.1	1.22%	5.0	550A0050
122	122	135	STORM SEWER	A	2	24	98.4	0.54%	94.3	550A0410
127	127	125	STORM SEWER	A	1	12	4.4	2.27%	0.0	550A0050
128	128	139	PRECAST CONCRETE BOX CULVERTS 6' X 2'			6'X2' BOX	52	3.17%	0.0	54010602
131	131	132	STORM SEWER	A	1	12	28.1	0.89%	10.8	550A0050
132	132	133	STORM SEWER	A	1	12	10.1	0.99%	6.4	550A0050
133	133	135	STORM SEWER	A	1	12	6.6	0.76%	4.4	550A0050
135	135	140	STORM SEWER (WATER MAIN REQUIREMENTS)		2	15	56	0.52%	13.3	Z0056610
135A	135	140	STORM SEWER (WATER MAIN REQUIREMENTS)		2	15	56	0.52%	13.3	Z0056610

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PLOT DATE = 12/12/2016	CHECKED -	REVISED -
	DATE = 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
DRAINAGE SCHEDULES**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	60
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (INCH)	LENGTH (FT)	SLOPE (%)	TBF (CY)	PAY ITEM NUMBER
	FROM	TO								
136	136	137	STORM SEWER (WATER MAIN REQUIREMENTS)		1	12	12.8	1.17%	1.7	Z0056608
137	137	135	STORM SEWER	A	2	24	18.2	1.10%	12.4	550A0410
139	139	137	STORM SEWER	A	2	24	20.3	5.42%	7.8	550A0410
140	140	143	STORM SEWER	A	2	24	49.3	0.18%	53.7	550A0410
141	141	140	STORM SEWER	A	1	12	14.1	1.06%	9.4	550A0050
142	142	126	STORM SEWER (WATER MAIN REQUIREMENTS)		1	12	4.7	2.13%	0.0	Z0056608
143	143	144	STORM SEWER	A	2	24	46.4	0.19%	52.5	550A0410
144	144	145	STORM SEWER	A	2	30	117	0.13%	140.6	550A0430
145	145	152	STORM SEWER	A	2	30	23.2	0.17%	27.9	550A0430
146	146	143	STORM SEWER	A	1	12	5.4	0.93%	4.1	550A0050
147	147	143	STORM SEWER	A	1	12	18.5	1.08%	5.9	550A0050
147A	147A	147	STORM SEWER (WATER MAIN REQUIREMENTS)		1	12	4	7.50%	0.5	Z0056608
148	148	144	STORM SEWER	A	1	12	3.8	1.32%	2.5	550A0050
149	149	144	STORM SEWER	A	1	12	16.6	1.51%	11.0	550A0050
149A	149A	149	STORM SEWER (WATER MAIN REQUIREMENTS)		1	12	3.8	7.89%	0.5	Z0056608
150	150	145	STORM SEWER	A	1	12	7.3	0.96%	4.8	550A0050
151	151	145	STORM SEWER	A	1	12	28.3	1.06%	6.1	550A0050
154	154	158	STORM SEWER	A	1	12	17.5	1.14%	20.6	550A0050
155	155	159	STORM SEWER	A	1	12	31.5	0.95%	0.0	550A0050
156	156	159	STORM SEWER	A	1	12	11.2	1.07%	2.5	550A0050
159	159	154	STORM SEWER	A	1	12	1.4	5.00%	0.0	550A0050
160	160	159	STORM SEWER	A	2	18	85.6	0.74%	0.0	550A0380
161	161	160	STORM SEWER	A	2	18	143.9	0.71%	0.0	550A0380
163	163	153	STORM SEWER	A	2	30	27.2	0.22%	0.0	550A0430
164	164	163	STORM SEWER	A	2	30	103.4	0.21%	0.0	550A0430
165	165	164	STORM SEWER	A	2	30	96.2	0.21%	0.0	550A0430
166	166	165	STORM SEWER	A	2	30	39.8	0.23%	0.0	550A0430
167	167	166	STORM SEWER (WATER MAIN REQUIREMENTS)		1	12	42.5	7.72%	0.5	Z0056608
173	173	166	PRECAST CONCRETE BOX CULVERTS 4' X 2'			4x2' BOX	64.4	0.16%	0.0	54010402
174	174	160	STORM SEWER	A	1	12	60.5	1.32%	20.6	550A0050
175	172	175	PIPE CULVERTS, CLASS A, TYPE 1 12"	A	1	12	11.7	13.68%	0.0	542A0217
177	177	178	STORM SEWER	A	1	12	12	0.42%	0.0	550A0050
179	179	177	STORM SEWER	A	1	12	28	0.54%	0.0	550A0050
181	181	176	STORM SEWER	A	1	12	12	0.42%	0.0	550A0050

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	DRAWN -	REVISED -
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PLOT DATE = 12/12/2016	DATE = 7/28/2016	REVISED -

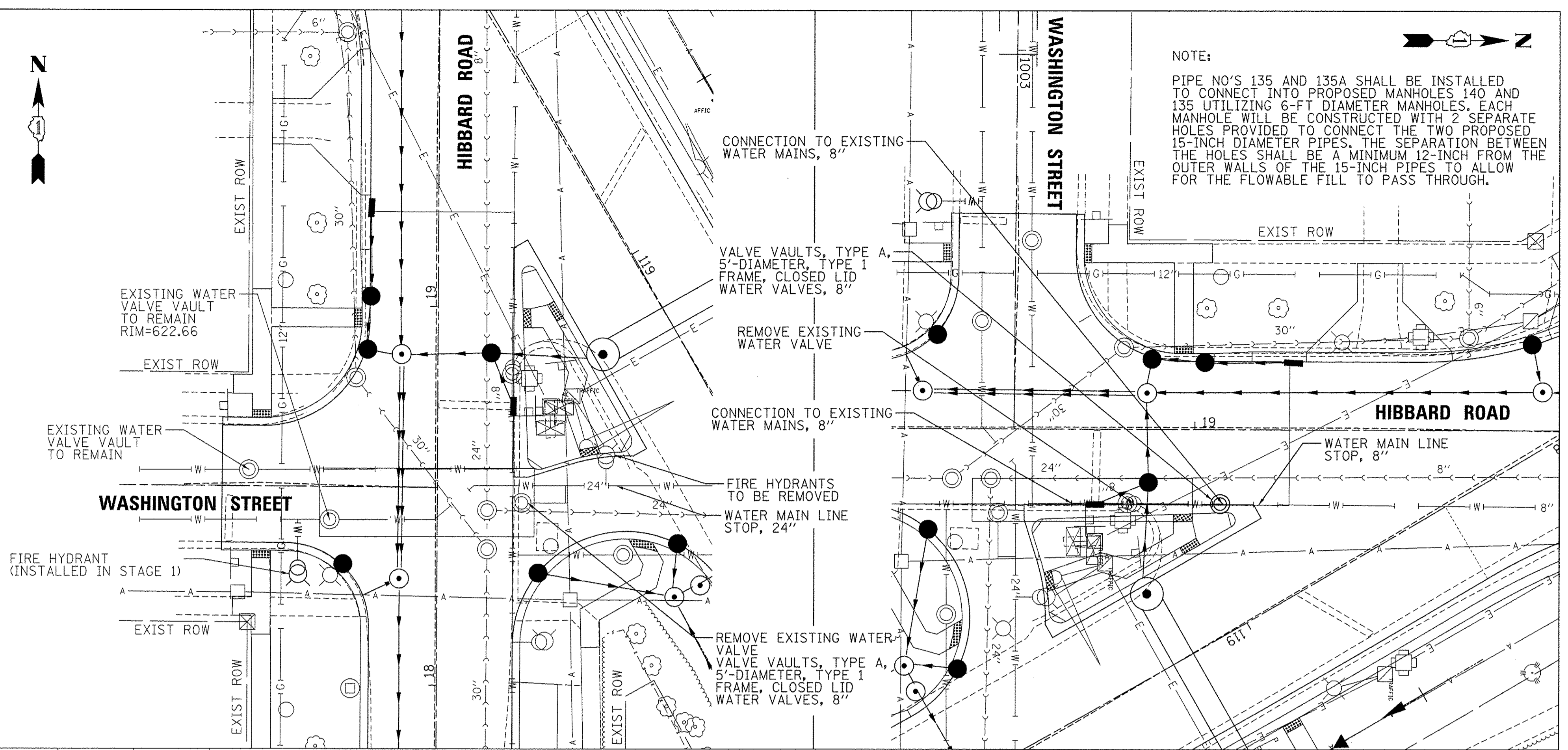
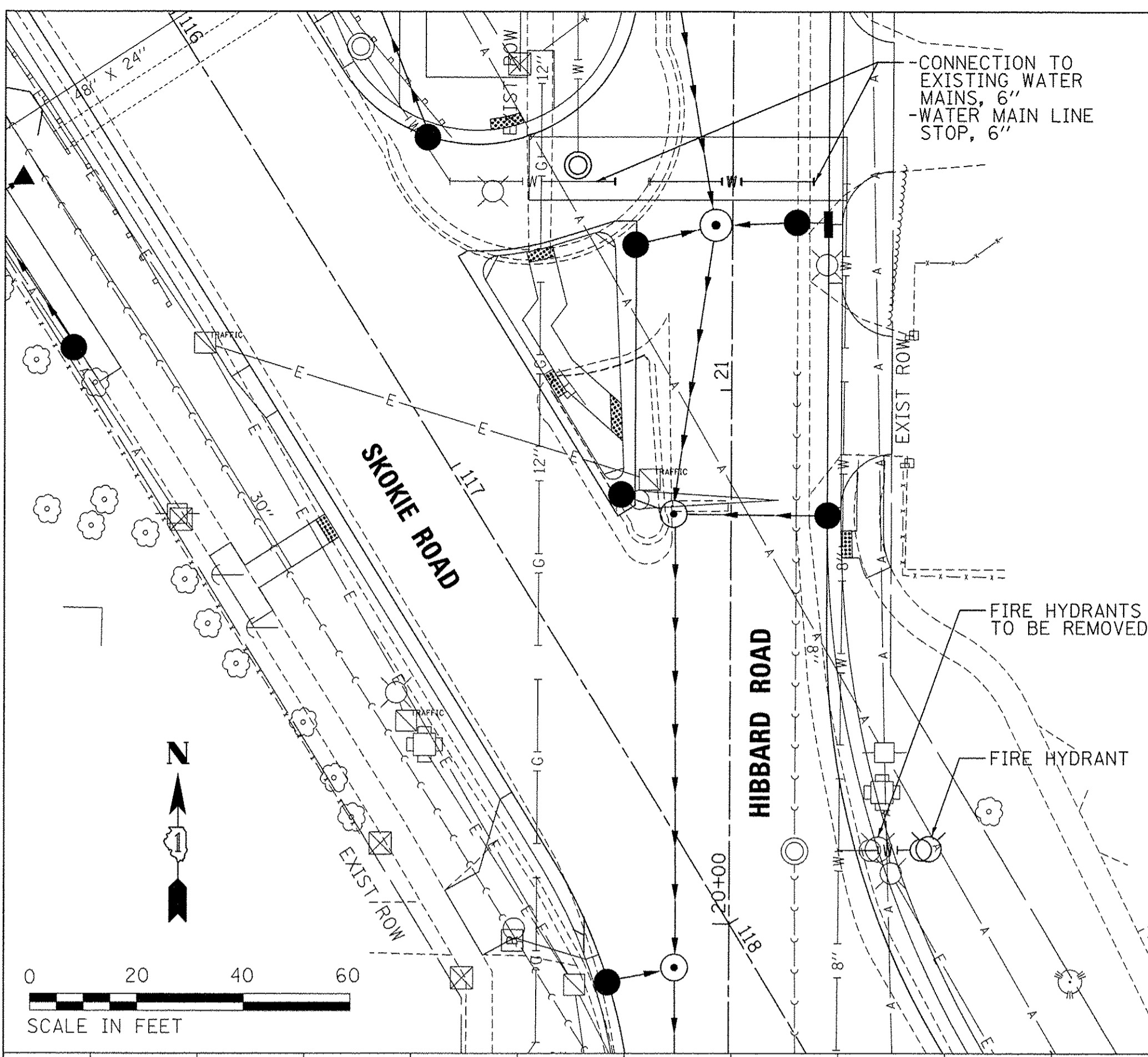
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
DRAINAGE SCHEDULES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	61
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

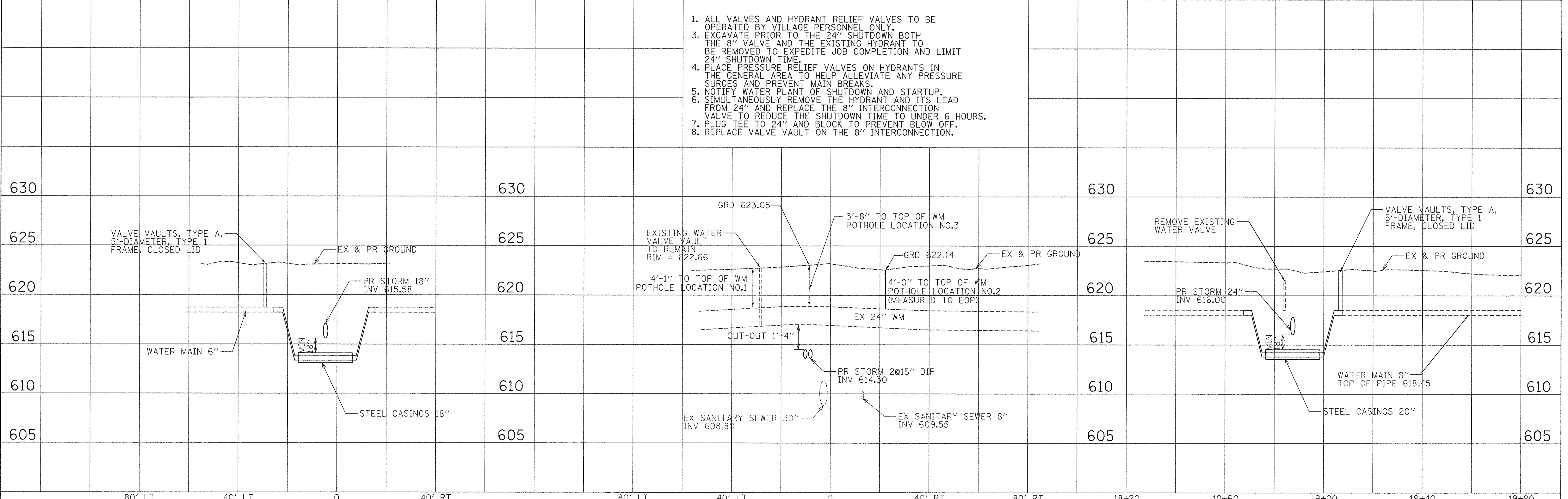
PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	CADD FILE NAME	



NOTE:
 PIPE NO'S 135 AND 135A SHALL BE INSTALLED TO CONNECT INTO PROPOSED MANHOLES 140 AND 135 UTILIZING 6-FT DIAMETER MANHOLES. EACH MANHOLE WILL BE CONSTRUCTED WITH 2 SEPARATE HOLES PROVIDED TO CONNECT THE TWO PROPOSED 15-INCH DIAMETER PIPES. THE SEPARATION BETWEEN THE HOLES SHALL BE A MINIMUM 12-INCH FROM THE OUTER WALLS OF THE 15-INCH PIPES TO ALLOW FOR THE FLOWABLE FILL TO PASS THROUGH.

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	STRUCTURE NOTATIONS	

1. ALL VALVES AND HYDRANT RELIEF VALVES TO BE OPERATED BY VILLAGE PERSONNEL ONLY.
2. EXCAVATE PRIOR TO THE 24" SHUTDOWN BOTH THE 8" VALVE AND THE EXISTING HYDRANT TO BE REMOVED TO EXPEDITE JOB COMPLETION AND LIMIT 24" SHUTDOWN TIME.
3. EXCAVATE PRIOR TO THE 24" SHUTDOWN BOTH THE 8" VALVE AND THE EXISTING HYDRANT TO BE REMOVED TO EXPEDITE JOB COMPLETION AND LIMIT 24" SHUTDOWN TIME.
4. PLACE PRESSURE RELIEF VALVES ON HYDRANTS IN THE GENERAL AREA TO HELP ALLEVIATE ANY PRESSURE SURGES AND PREVENT MAIN BREAKS.
5. NOTIFY WATER PLANT OF SHUTDOWN AND STARTUP.
6. SIMULTANEOUSLY REMOVE THE HYDRANT AND ITS LEAD FROM 24" AND REPLACE THE 8" INTERCONNECTION VALVE TO REDUCE THE SHUTDOWN TIME TO UNDER 6 HOURS.
7. PLUG TEE TO 24" AND BLOCK TO PREVENT BLOW OFF.
8. REPLACE VALVE VAULT ON THE 8" INTERCONNECTION.



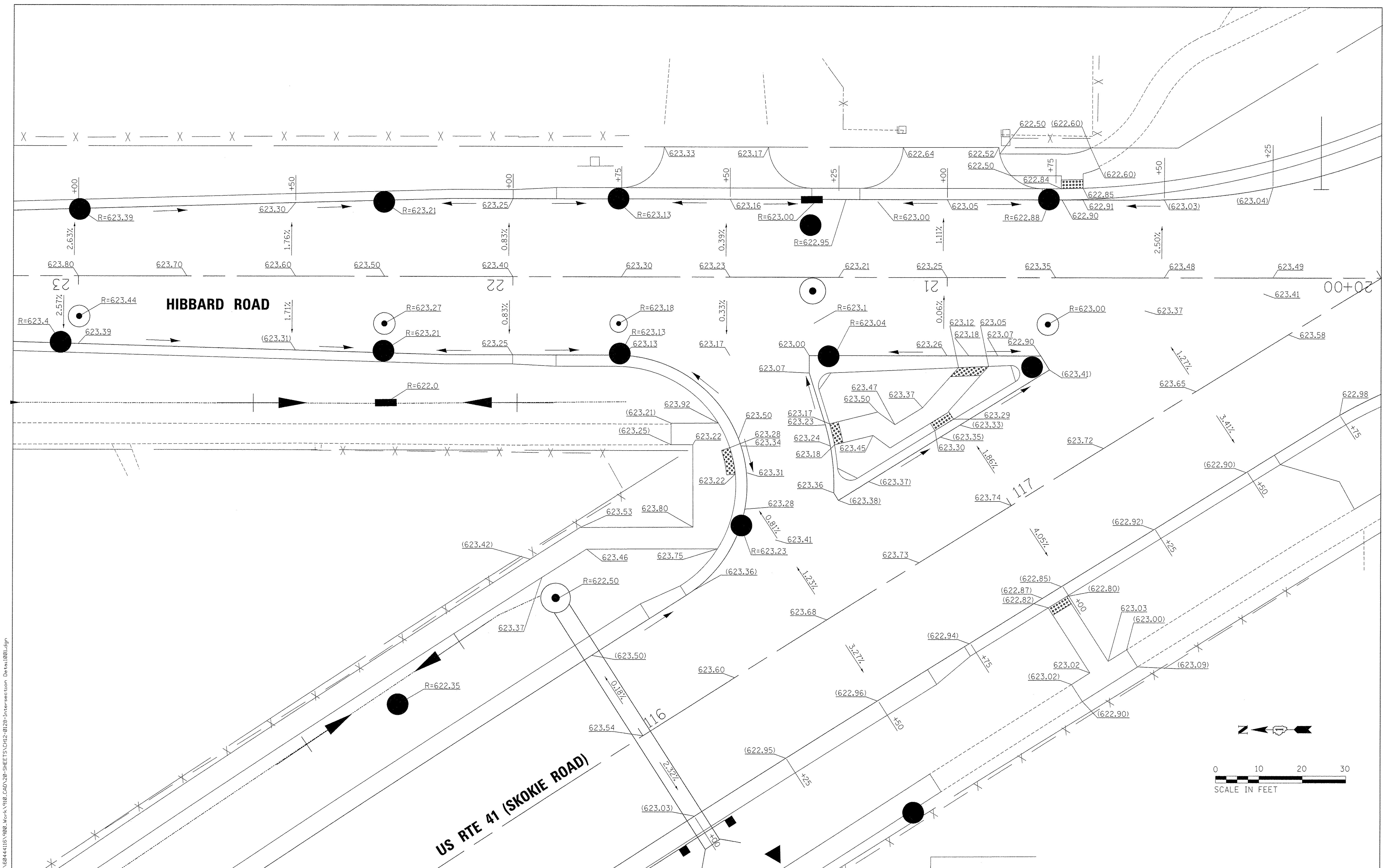
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PLOT SCALE = 20.00' / 1"	DRAWN -	REVISED -
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	DATE = 7/28/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

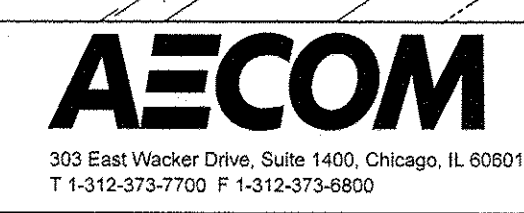
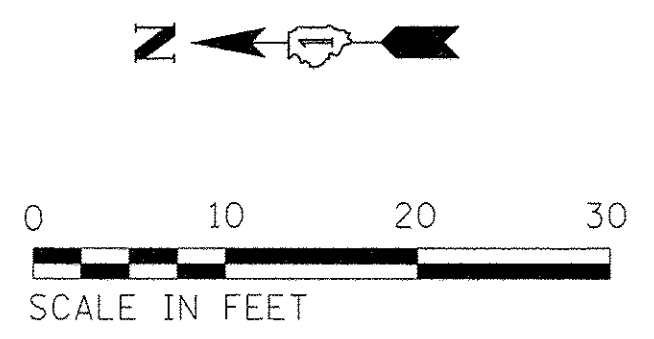
WATER MAIN PLAN & PROFILE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	62
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	



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 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 T 312-373-7700 F 312-373-8800



USER NAME = andy.becker	DESIGNED - FJS	REVISED -
PLOT SCALE = 10,0000' / in.	DRAWN - FJS	REVISED -
PLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

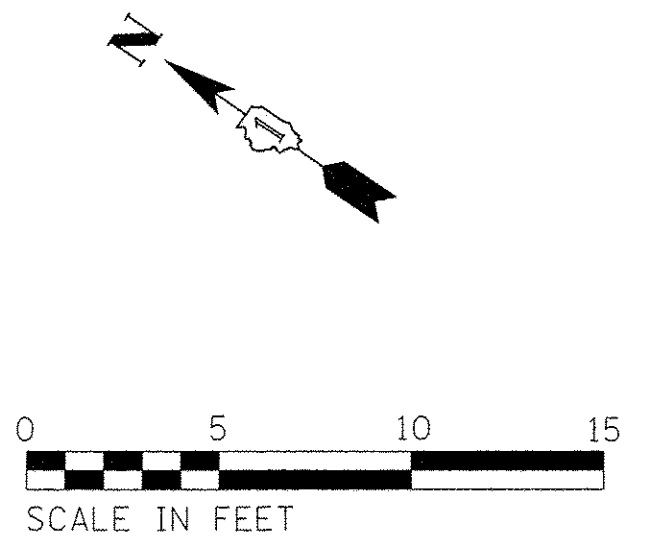
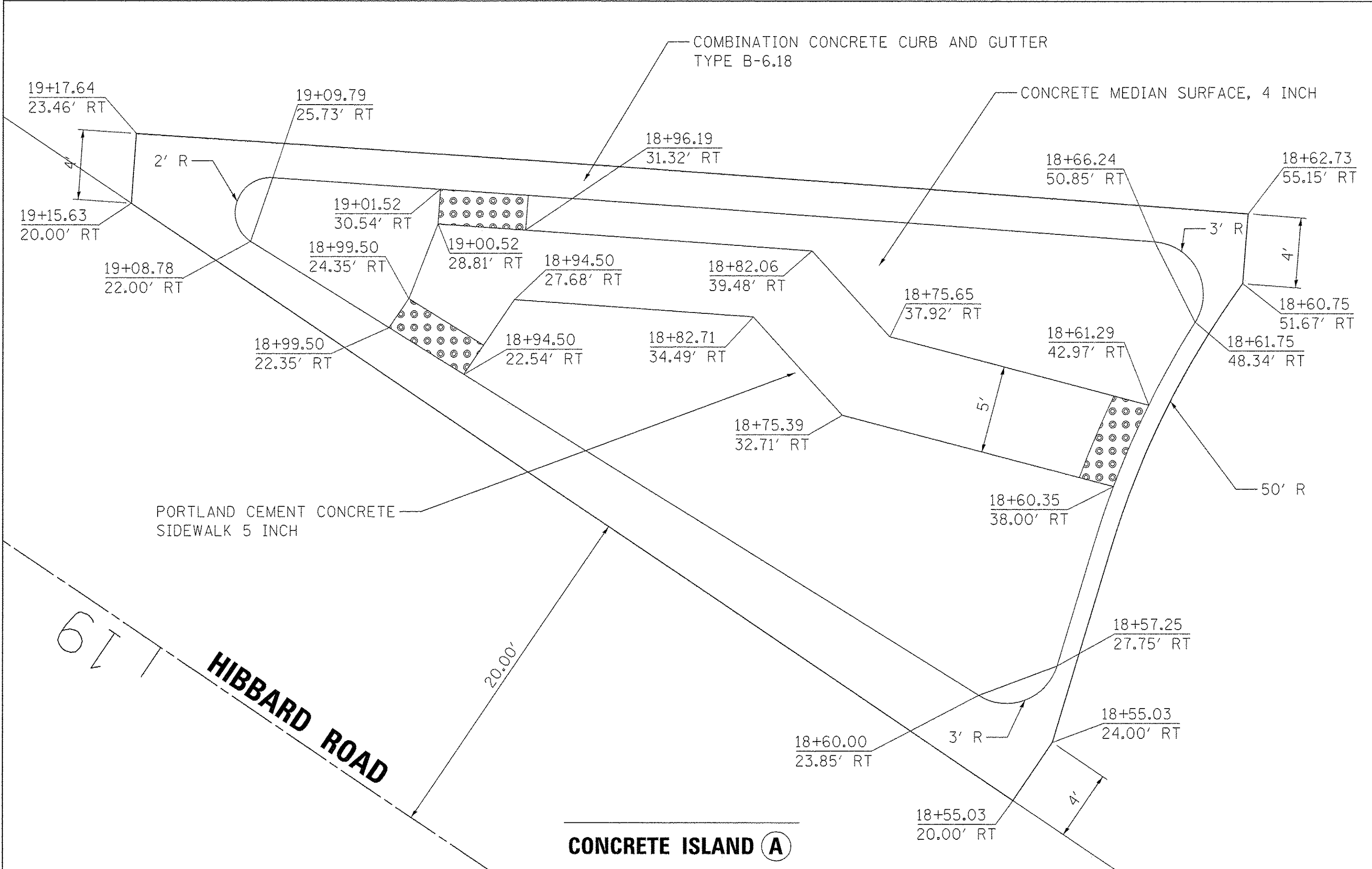
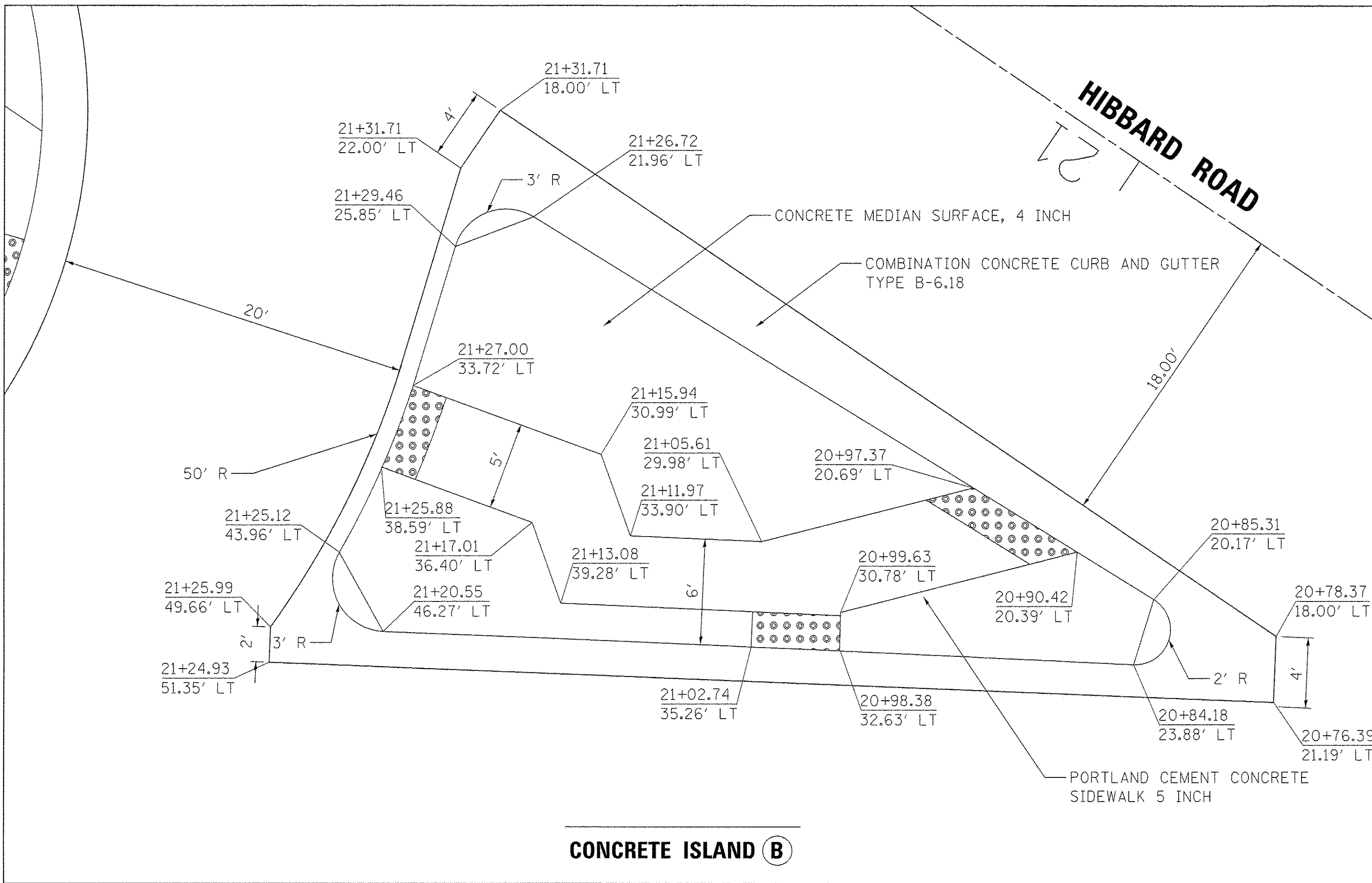
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
INTERSECTION PLAN

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

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 63
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
MEDIAN ISLAND DETAIL

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

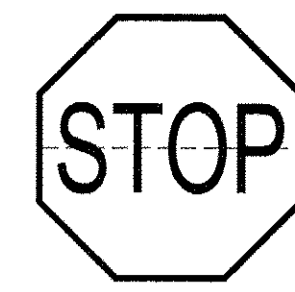
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	65
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

SIGNING AND PAVEMENT MARKING NOTES

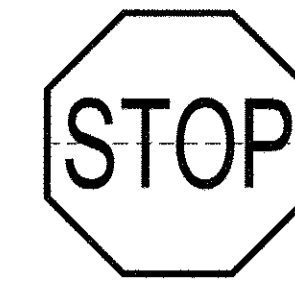
- STATION CALLOUTS FOR ALL 24" SOLID WHITE STOP BARS ARE TAKEN FROM THE CENTER OF THE STOP BAR.
- REFER TO STANDARDS:
 - TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER" (SNOW PLOW RESISTANT)
 - TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS"
- ALL SIGN OFFSETS SHOWN ARE TO EDGE OF SIGN CLOSEST TO THE EDGE OF PAVEMENT PER IDOT STANDARD 720006-04

RAISED REFLECTIVE PAVEMENT MARKERS LEGEND

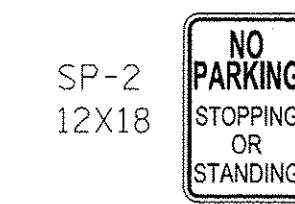
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER



R1-1 (FOLDED)
30X30

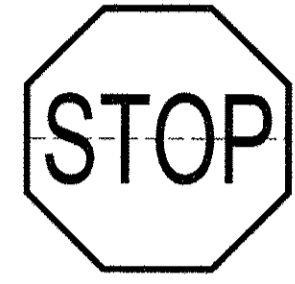


R1-1 (FOLDED)
30X30



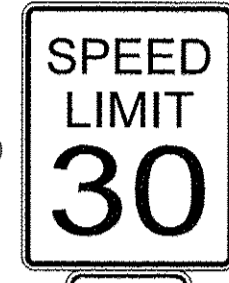
SP-2
12X18

RELOCATE SIGN PANEL
TYPE 1
METAL POST TA
STA. 122+51

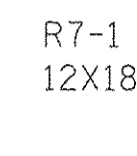


R1-1 (FOLDED)
30X30

RELOCATE SIGN PANEL
TYPE 1
METAL POST TB
STA. 116+94



R2-1
24X30

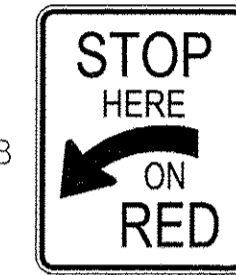


R7-1
12X18

SKOKIE RD A-1
30X4
HIBBARD RD A-1
30X4

RELOCATE SIGN PANEL TYPE 1 (2)
METAL POST TA
STA. 19+05

RELOCATE SIGN PANEL TYPE 1 (2)
(LIGHT POLE)
STA. 21+24



R10-6a
24X30

RELOCATE SIGN PANEL TYPE 1
METAL POST TB
STA. 18+90

MATCH LINE STA. 24+00

HIBBARD ROAD



R10-6a
24X30

RELOCATE SIGN PANEL TYPE 1
METAL POST TB
STA. 21+25

U.S. 41 (SKOKIE ROAD)

RELOCATE SIGN PANEL TYPE 1 (3)
(TRAFFIC SIGNAL POLE)
STA. 18+90

M1-4
24X24

M6-4
21X15

R1-1 (FOLDED)
30X30

RELOCATE SIGN PANEL TYPE 1 (3)
(LIGHT POLE)
STA. 18+29

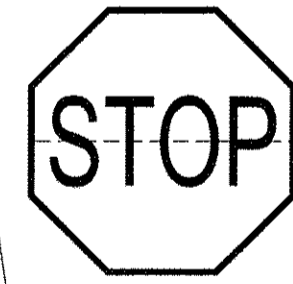
HIBBARD RD A-1
30X4
WASHINGTON AVE A-1
30X4

RELOCATE SIGN PANEL TYPE 1 (2)
METAL POST 2A
STA. 114+81

R2-1
24X30

SPEED LIMIT 30

WASHINGTON STREET



R1-1 (FOLDED)
30X30



R1-1 (FOLDED)
30X30

RELOCATE SIGN PANEL TYPE 1 (3)
(TRAFFIC SIGNAL POLE)
STA. 21+05

M1-4
24X24

M6-4
21X15

R1-1 (FOLDED)
30X30

PENALTY FOR LITTERING
PUBLIC HIGHWAYS
SP-1
30X18

R7-1
12X18

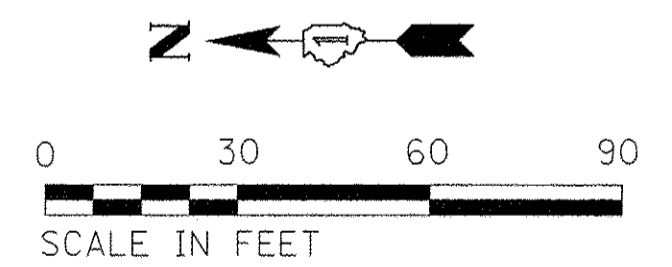


R7-1
12X18

R7-1
12X18

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE CROSSWALK) 3' C-C (TYP)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP DASH WHITE) 10' DASH - 30' SPACE
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SKIP DASH WHITE) (2' DASH - 6' SPACE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)



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USER NAME = andy.becker
DESIGNED - IJ
DRAWN - FJS
CHECKED - CJG
DATE - 7/28/2016

REVISOR -
REVISION -
REVISION -
REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
PAVEMENT MARKING AND SIGNAGE PLAN

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	66
CONTRACT NO. 61C76				ILLINOIS FED. AID PROJECT

RAISED REFLECTIVE PAVEMENT MARKERS LEGEND

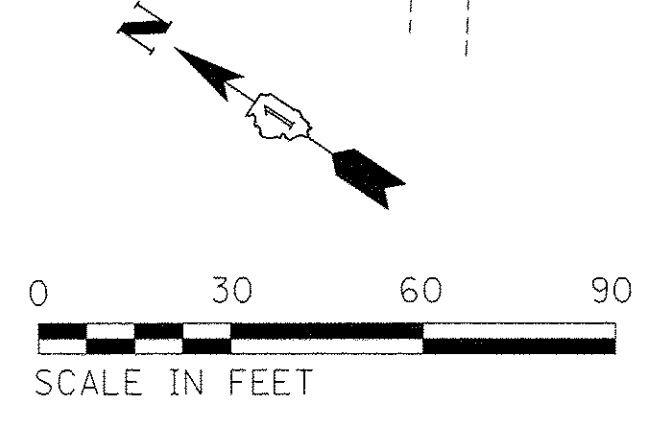
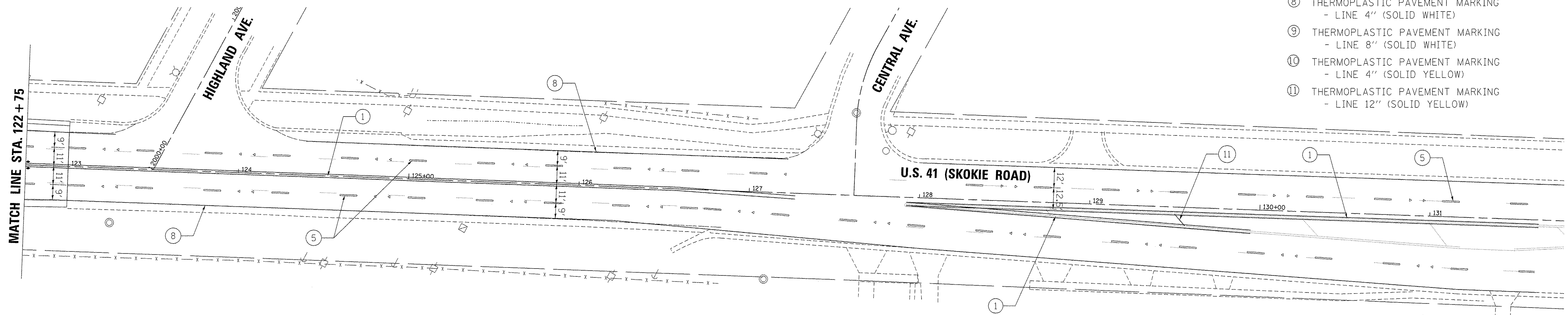
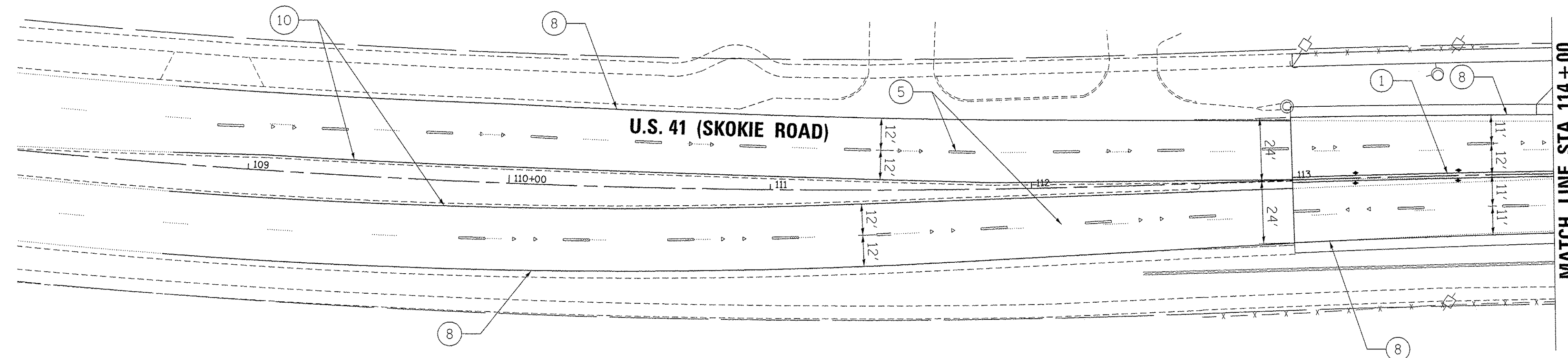
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

SIGNING AND PAVEMENT MARKING NOTES

1. STATION CALLOUTS FOR ALL 24" SOLID WHITE STOP BARS ARE TAKEN FROM THE CENTER OF THE STOP BAR.
2. REFER TO STANDARDS:
TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER" (SNOW PLOW RESISTANT)
TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS"
3. ALL SIGN OFFSETS SHOWN ARE TO EDGE OF SIGN CLOSEST TO THE EDGE OF PAVEMENT PER IDOT STANDARD 720006-04

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE CROSSWALK) 3' C-C (TYP)
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- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)



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PLOT SCALE = 30.0000' / in.	DRAWN - FJS	REVISED -
PLOT DATE = 12/12/2016	CHECKED - CJG	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
PAVEMENT MARKING AND SIGNAGE PLAN**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	67
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

SIGNING AND PAVEMENT MARKING NOTES

1. STATION CALLOUTS FOR ALL 24" SOLID WHITE STOP BARS ARE TAKEN FROM THE CENTER OF THE STOP BAR.

2. REFER TO STANDARDS:

TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER" (SNOW PLOW RESISTANT)

TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS"

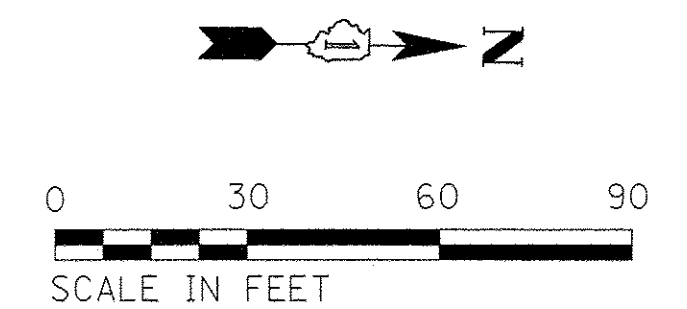
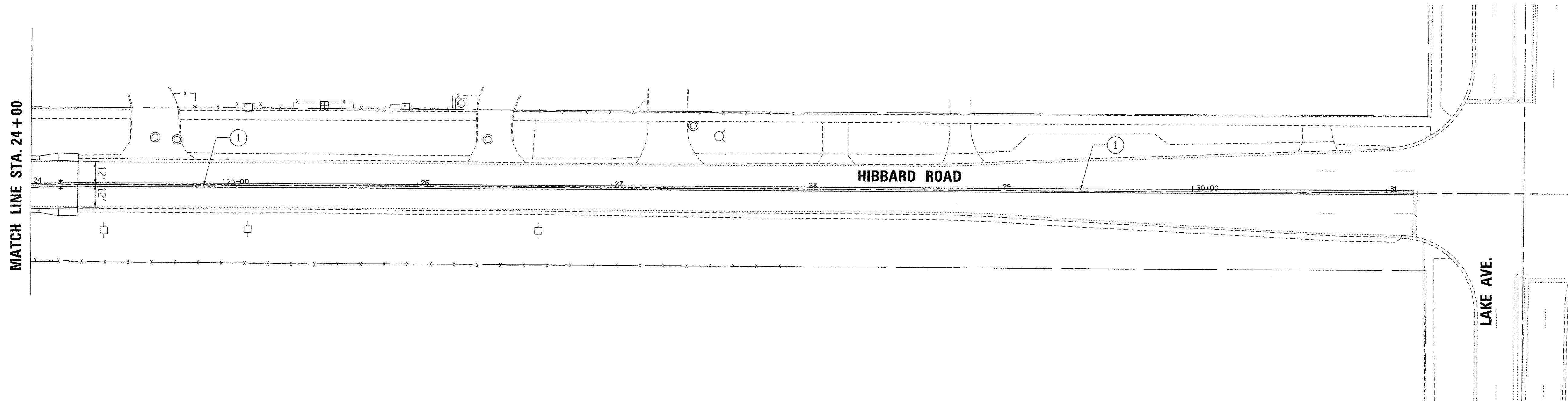
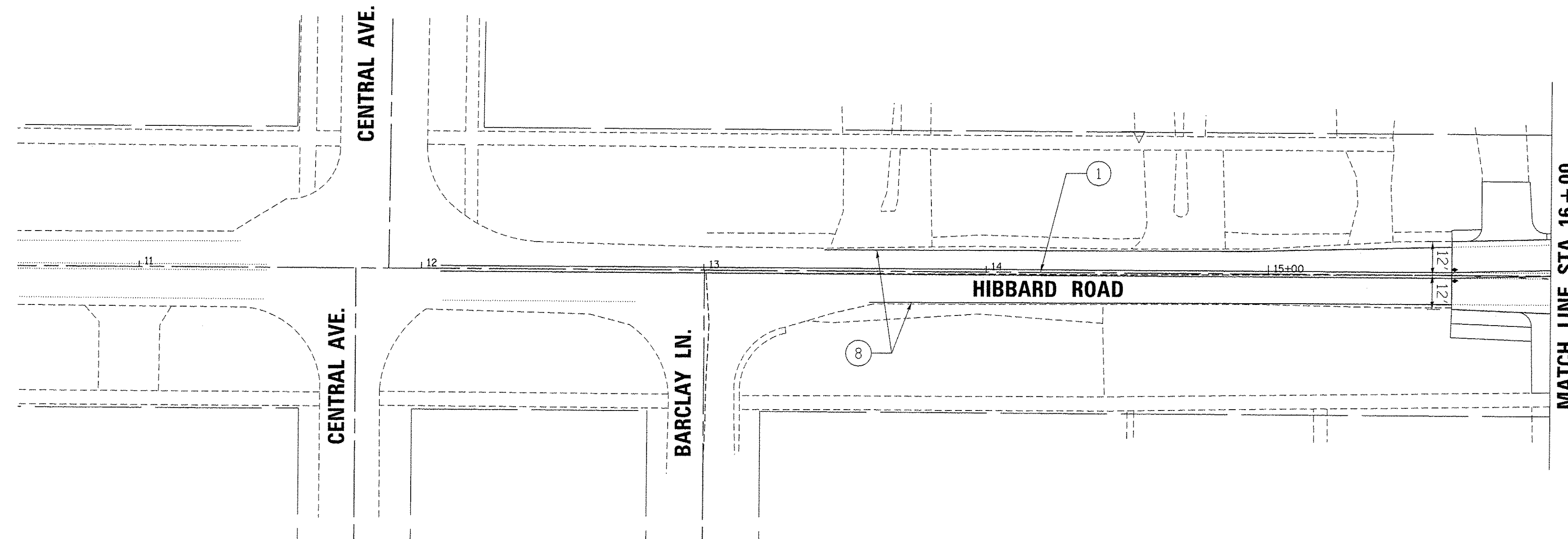
3. ALL SIGN OFFSETS SHOWN ARE TO EDGE OF SIGN CLOSEST TO THE EDGE OF PAVEMENT PER IDOT STANDARD 720006-04

RAISED REFLECTIVE PAVEMENT MARKERS LEGEND

- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
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	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. 41 (SKOKIE RD) AT HIBBARD RD
PAVEMENT MARKING AND SIGNAGE PLAN**

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

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 68
CONTRACT NO. 61C76				ILLINOIS FED. AID PROJECT

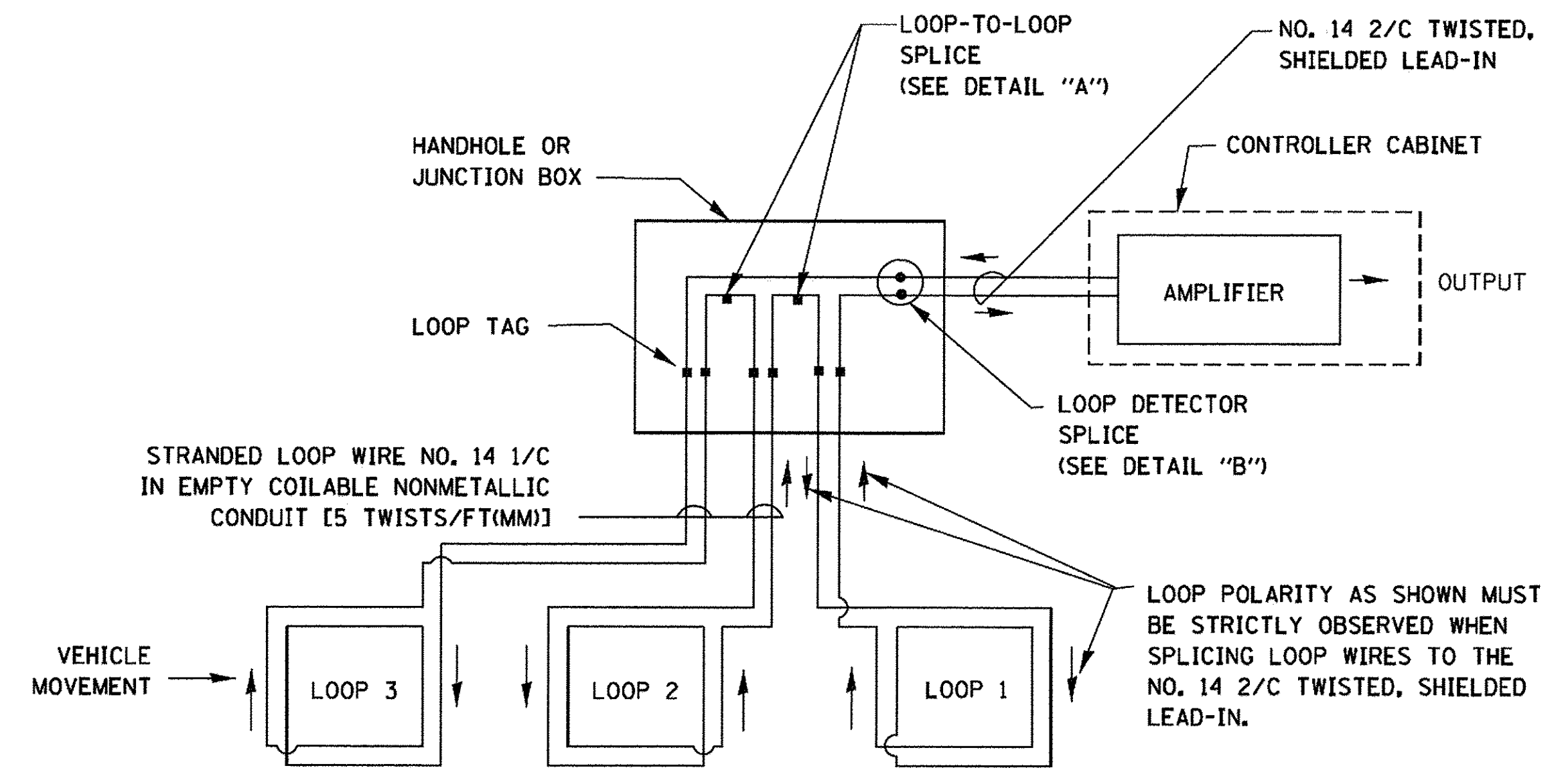
TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED												
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE															
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE															
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA															
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED															
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F															
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F															
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F															
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F															
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE															
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED															
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED															
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED															
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED															
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED															
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR															
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR															
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR															
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR															
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR															
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR															
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">EXISTING</th> <th style="width: 50%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>				EXISTING	PROPOSED										
EXISTING	PROPOSED																						
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED																			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID																			
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER																			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT																			
DETECTOR LOOP, TYPE I				RADIO REPEATER																			
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																			
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																			
VIDEO DETECTION CAMERA																							
VIDEO DETECTION ZONE																							
PAN, TILT, ZOOM CAMERA																							
WIRELESS DETECTOR SENSOR																							
WIRELESS ACCESS POINT																							

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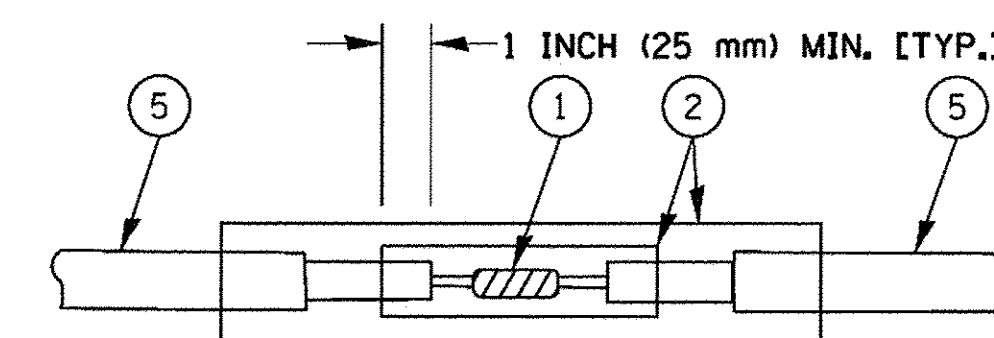
LOOP DETECTOR NOTES

- 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.

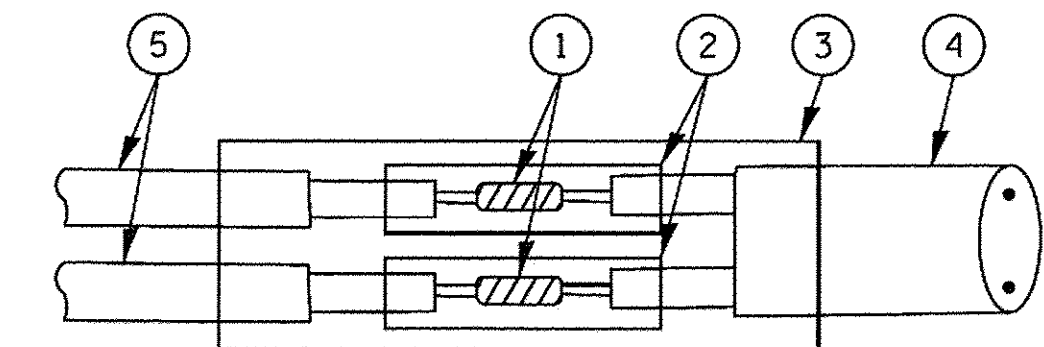


DETECTOR LOOP WIRING SCHEMATIC

- 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.

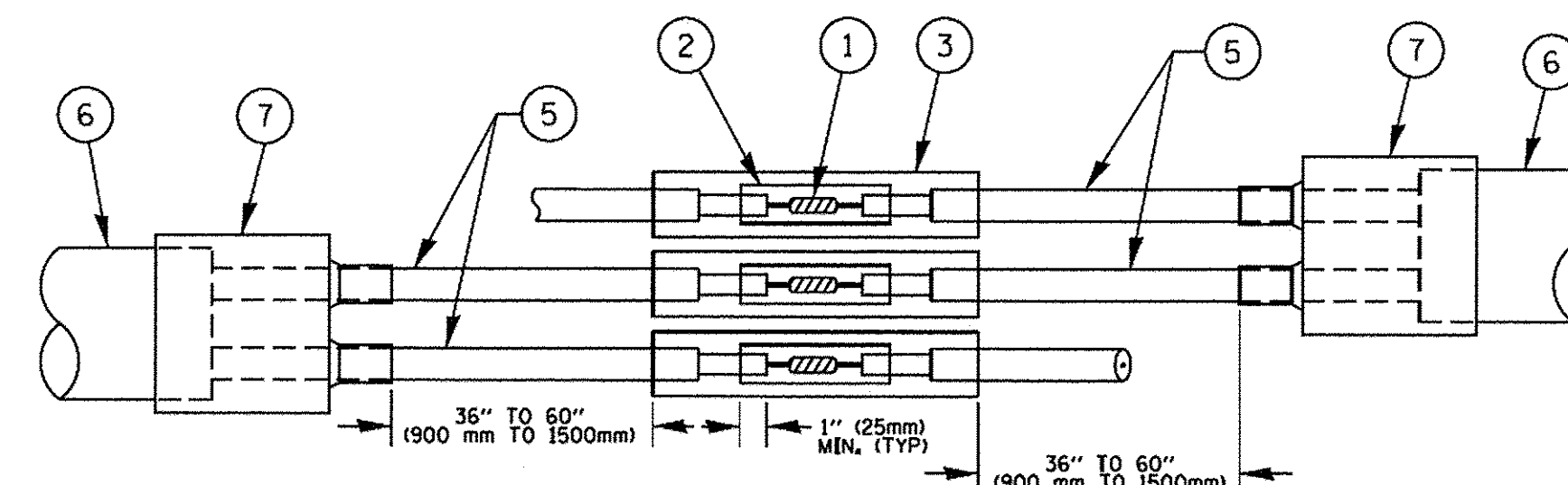


DETAIL "A"
LOOP-TO-LOOP SPLICE



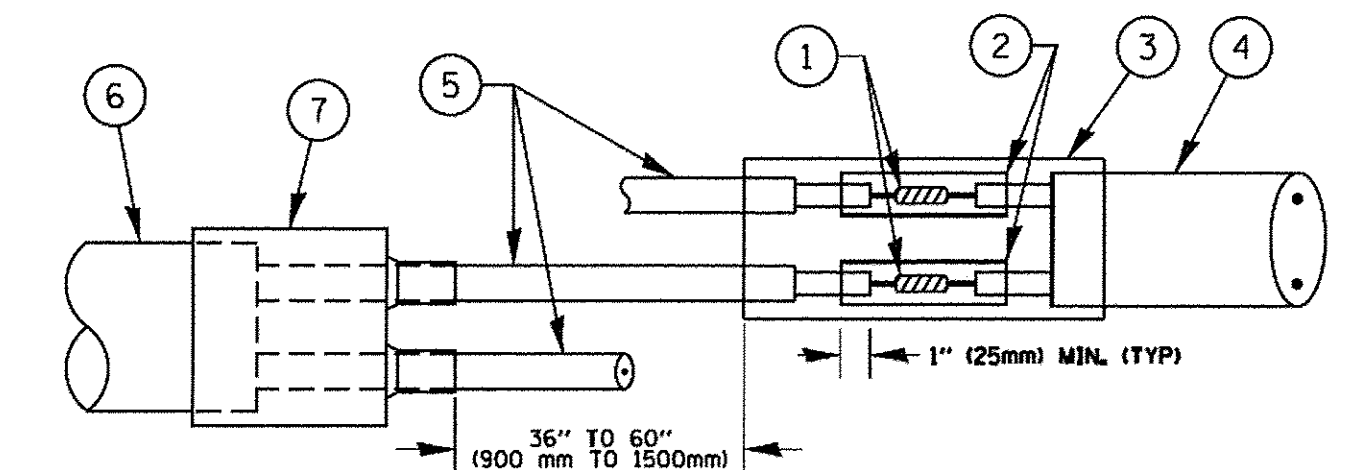
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP

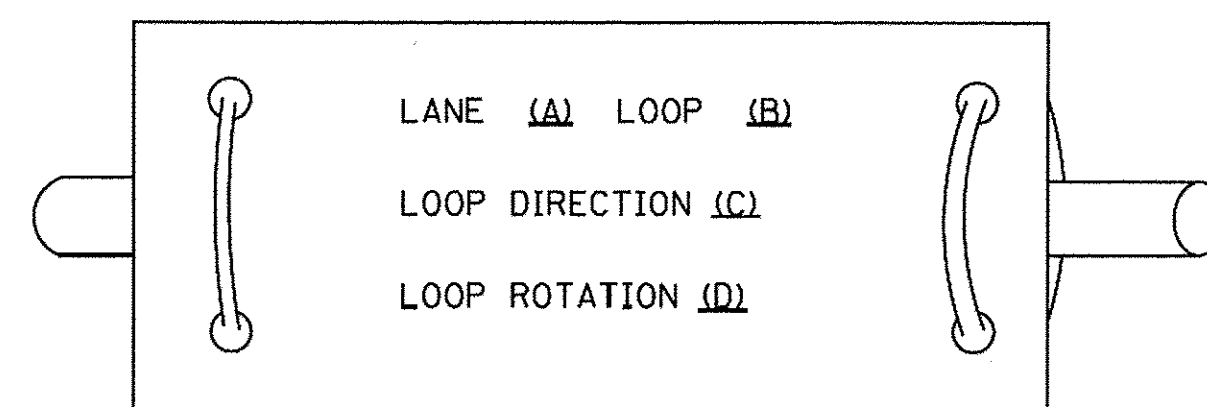


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

LOOP LEAD-IN CABLE TAG



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

TS SHT NO. 2

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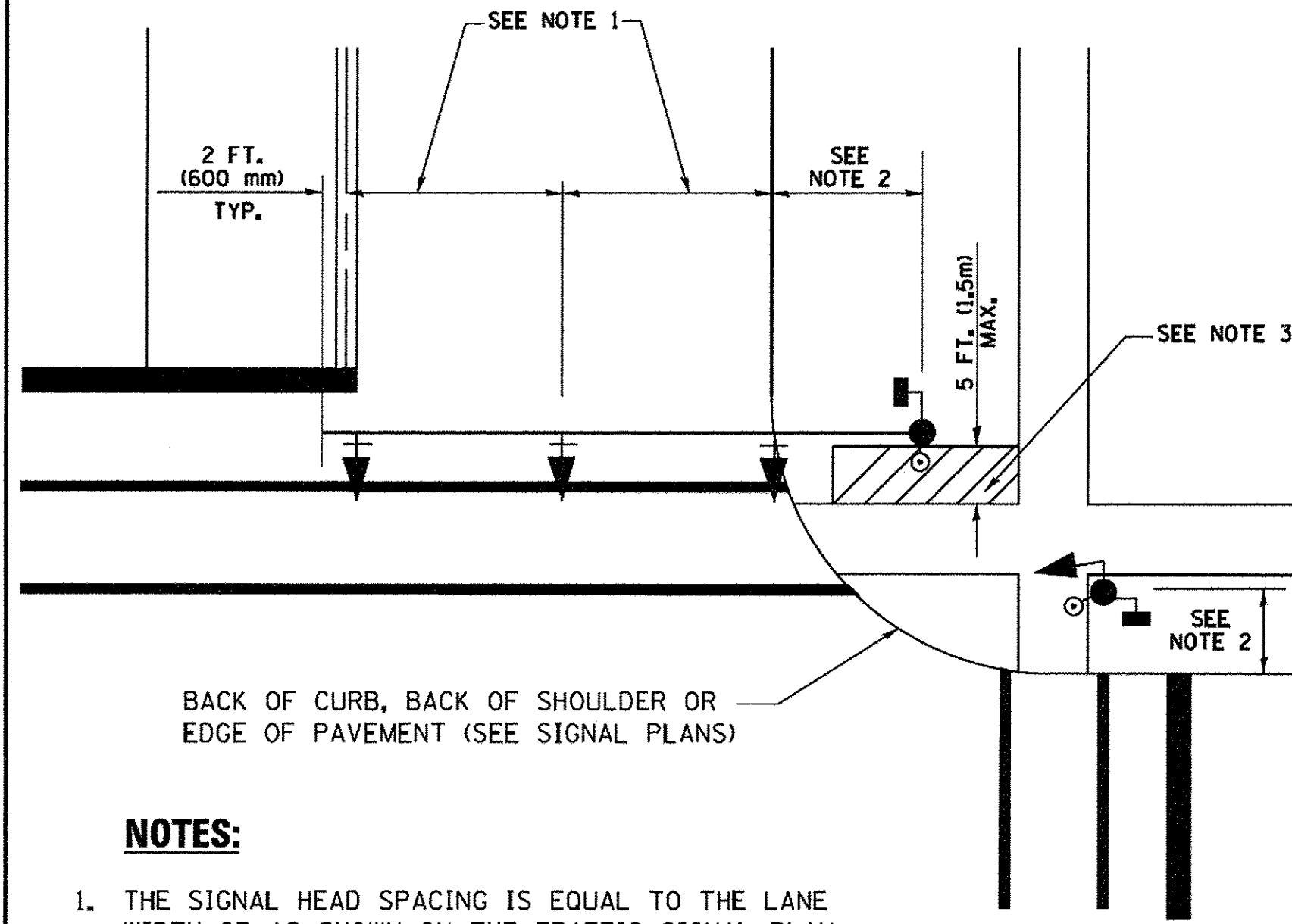
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 2 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	70
TS-05		CONTRACT NO. 61C76		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

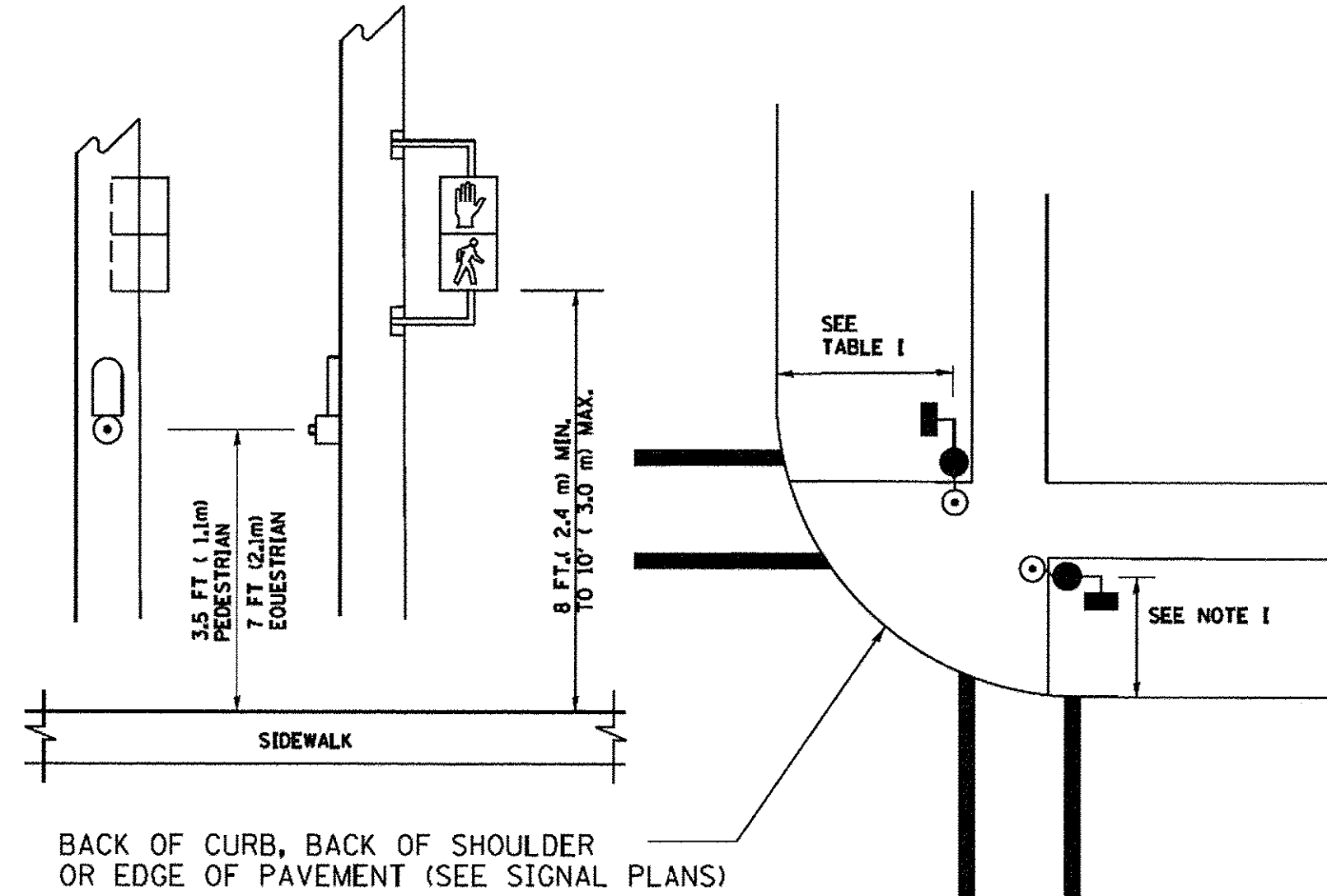
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

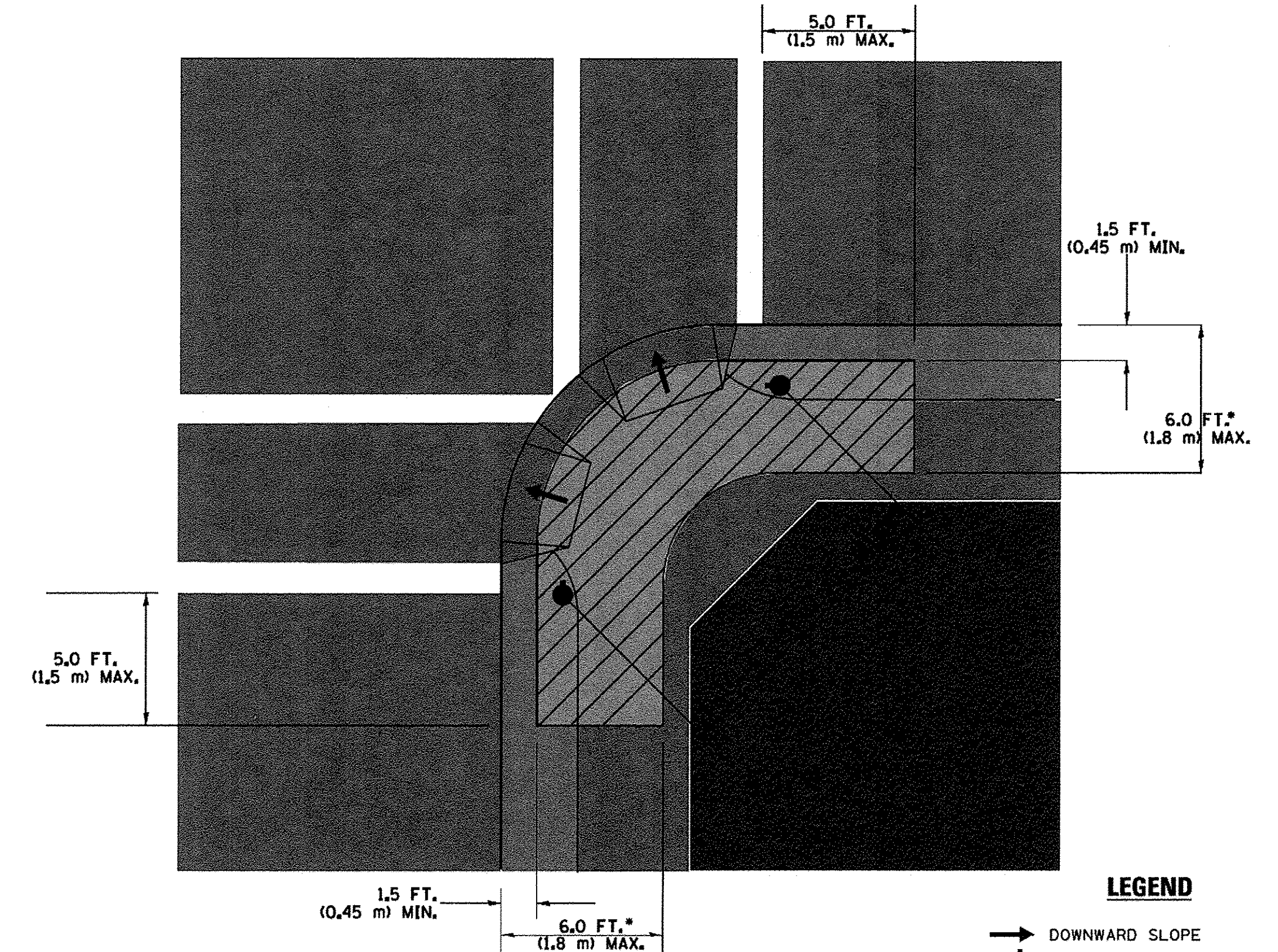
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

TS SHT NO. 3
FILE NAME = P:\60444116\900_Vor-A\10_CAD\20-SHEETS\CH2-0128-TS003-D1-Detail03.dgn



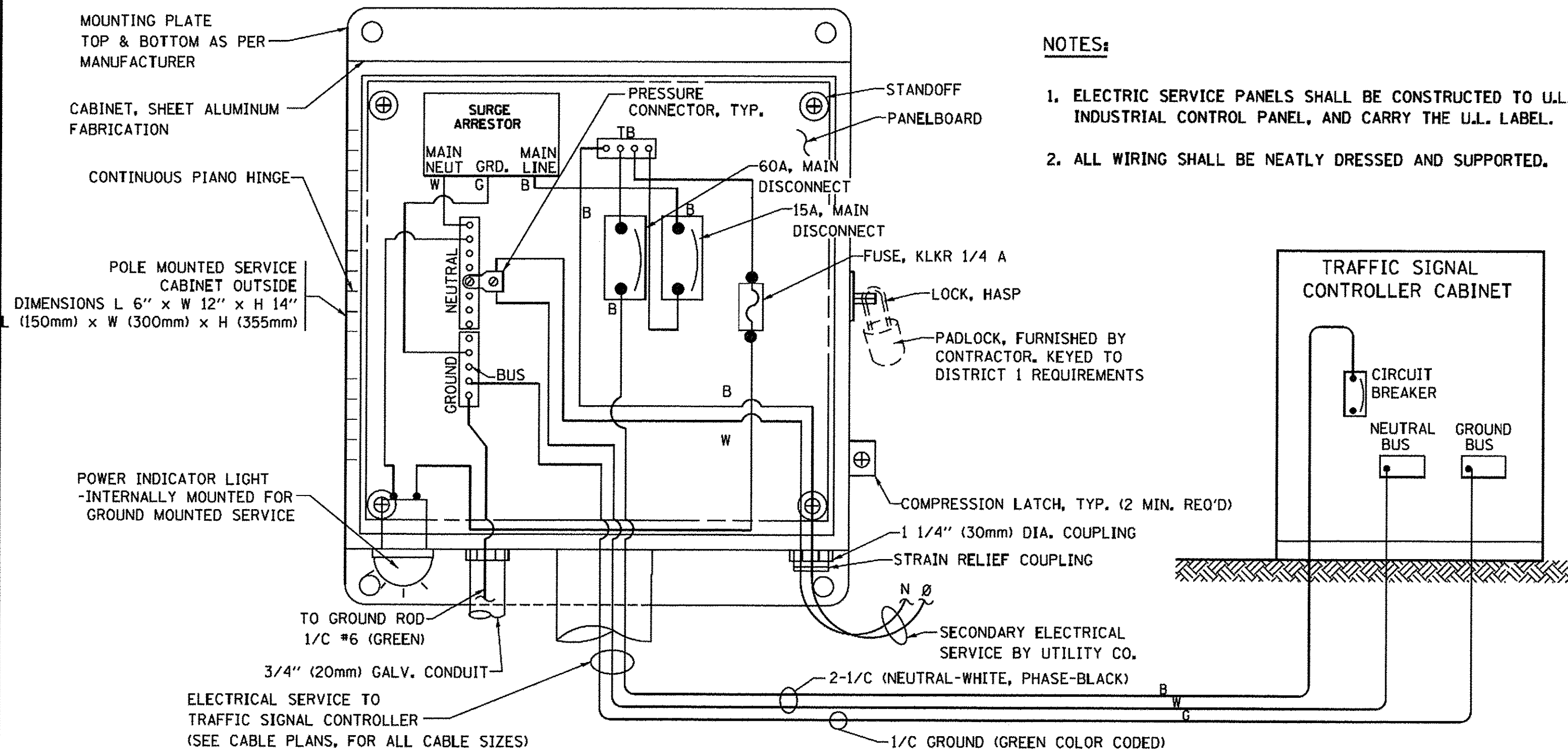
USER NAME = andy.becker	DESIGNED - DAD	REVISED - DAG 1-1-14
PLOT SCALE = 20.0000 Ft / in.	DRAWN - BCK	REVISED -
PLOT DATE = 12/12/2016	CHECKED - DAD	REVISED -
	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

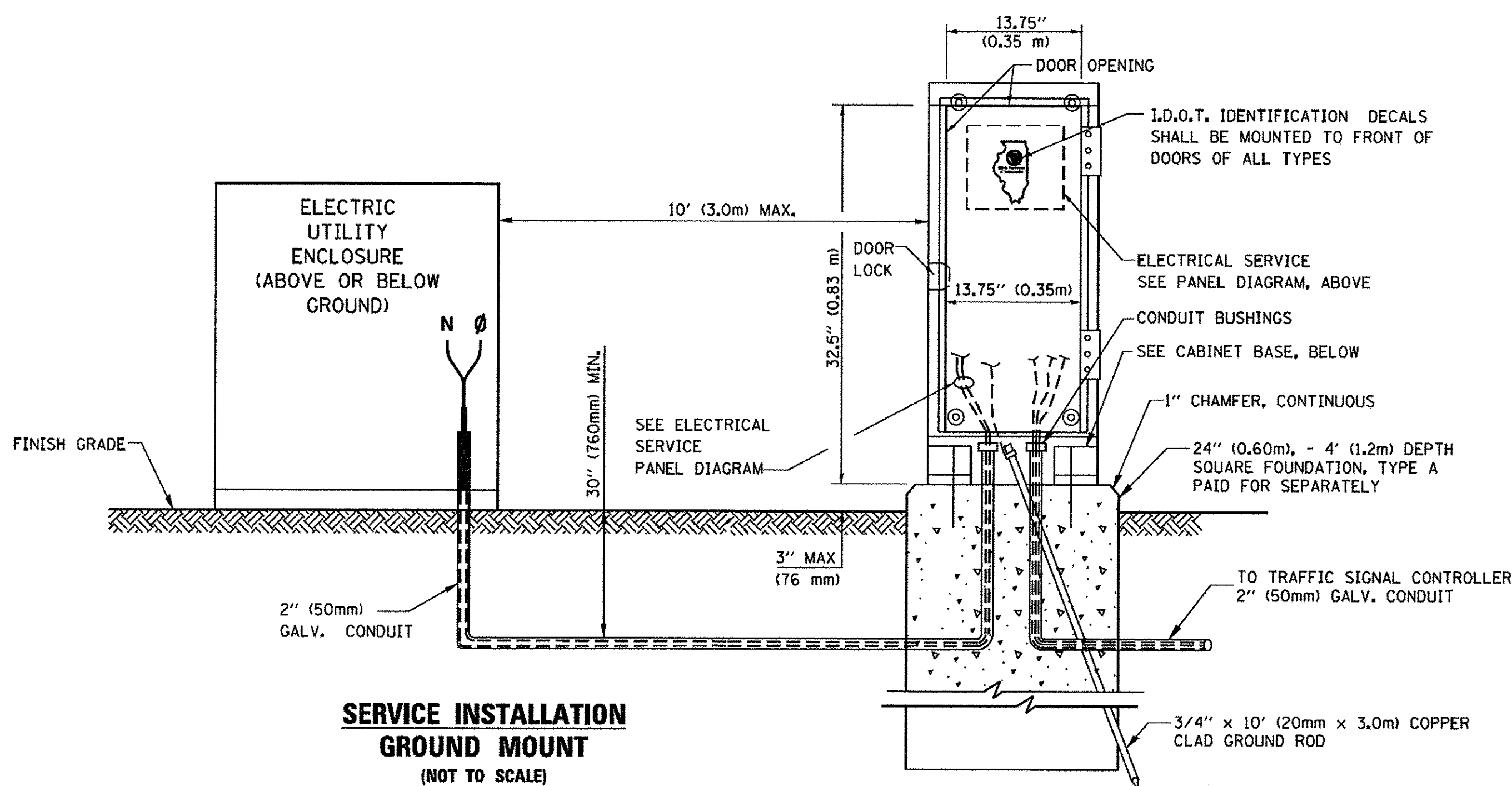
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. N/A TO STA. N/A

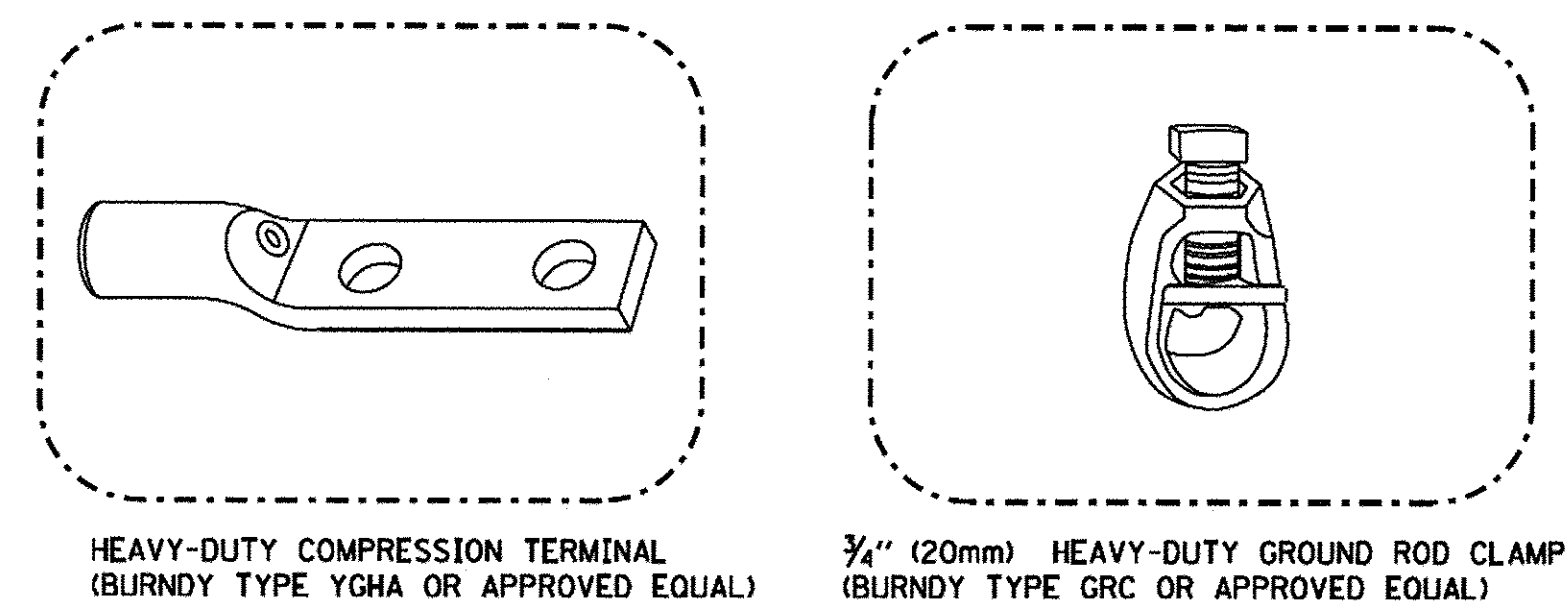
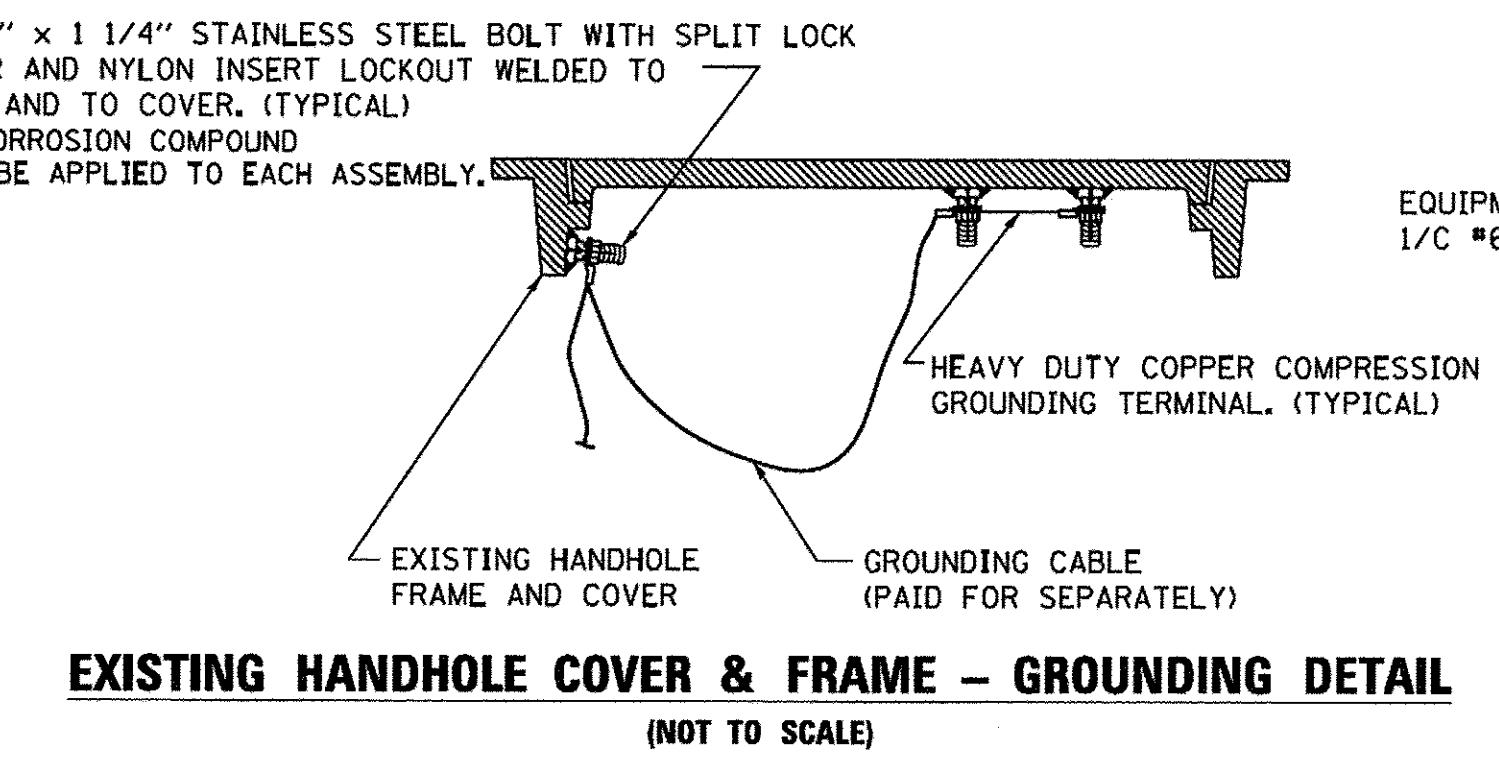
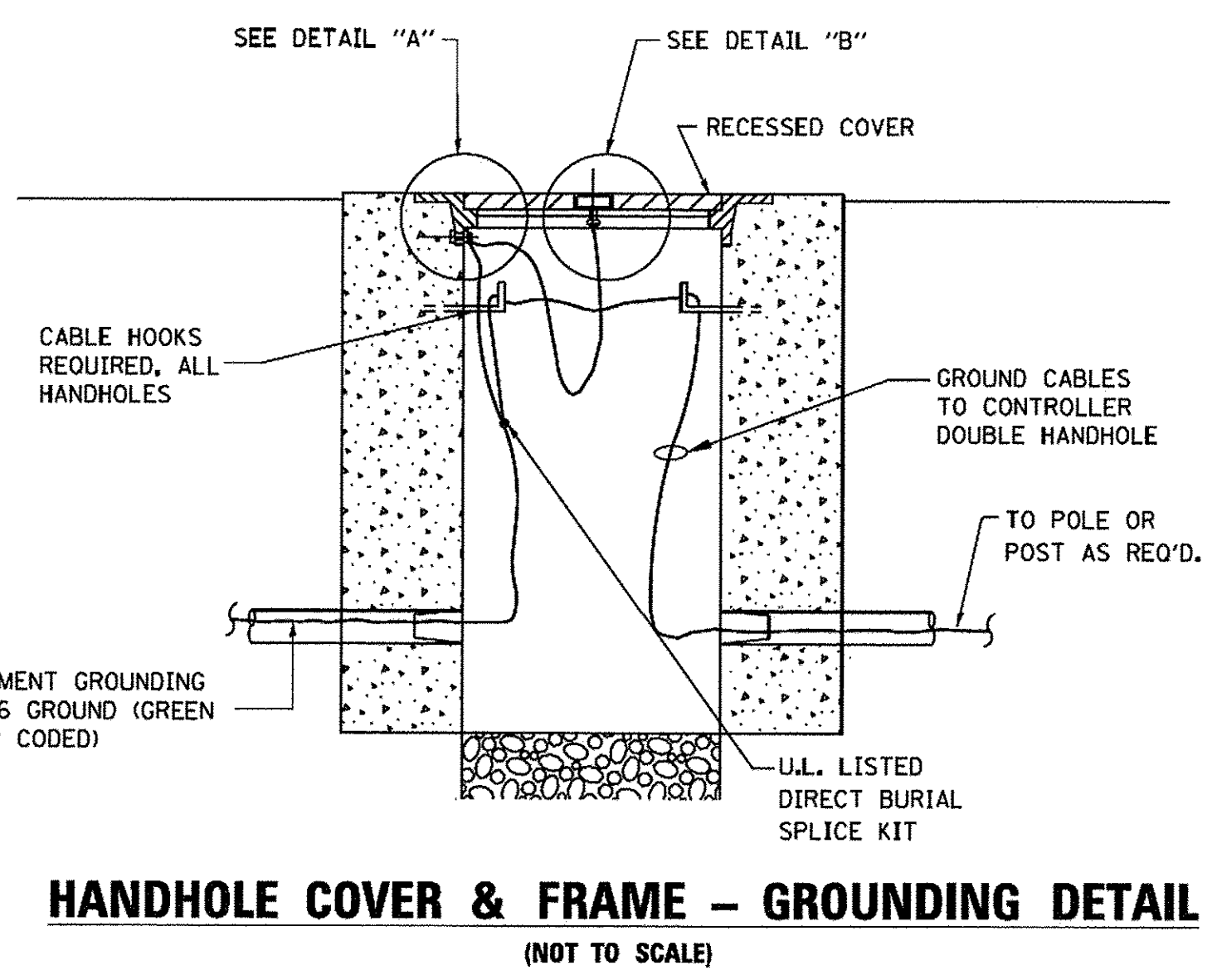
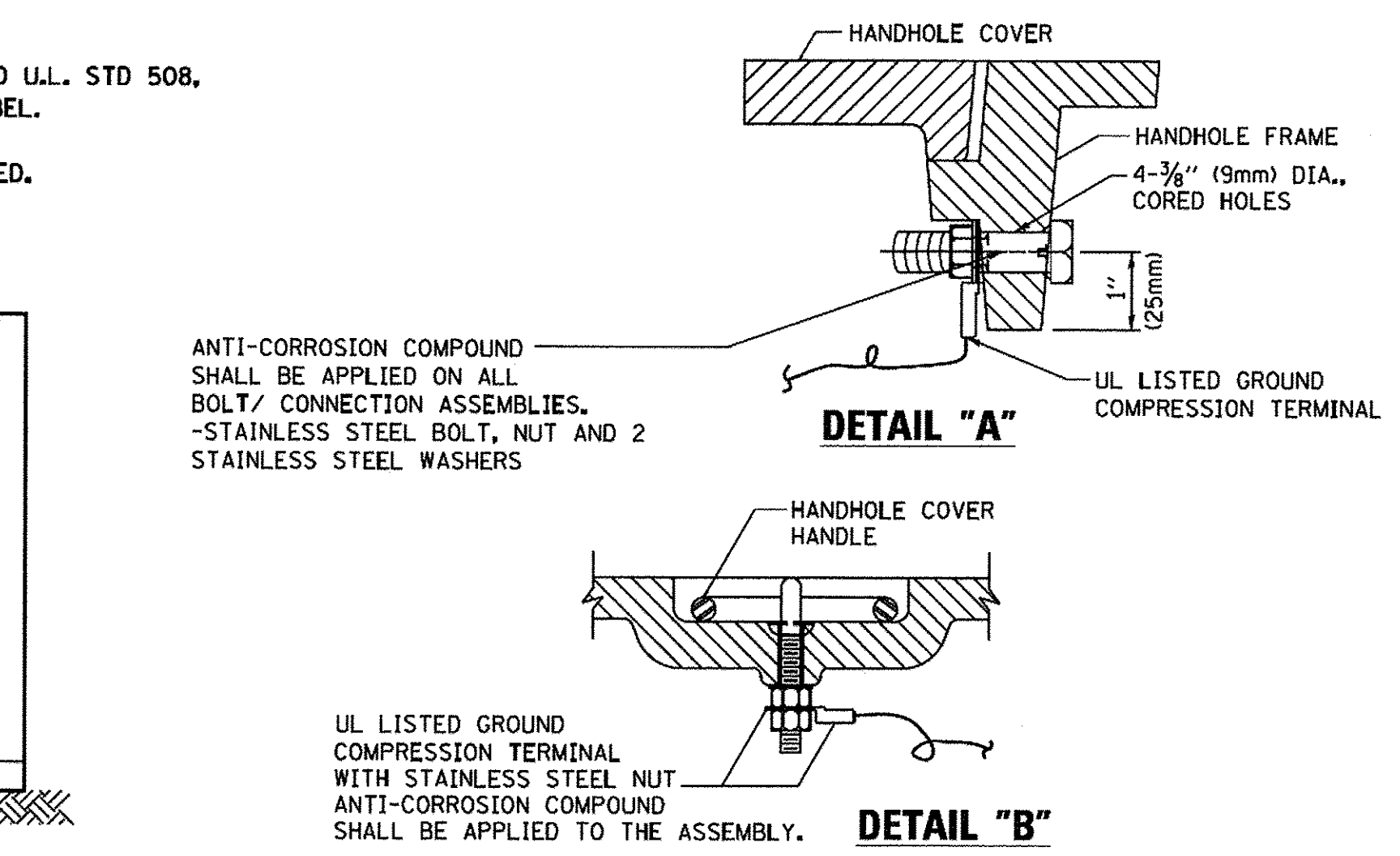
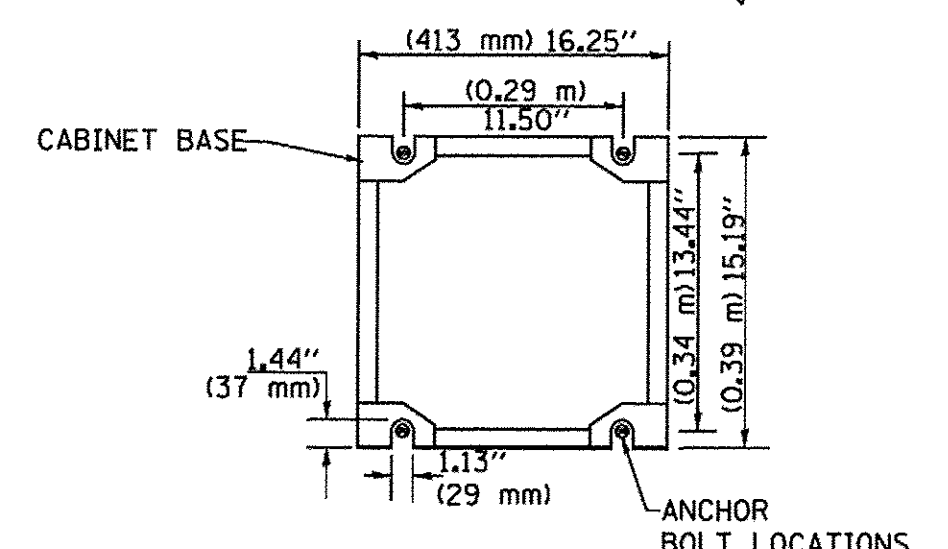
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 61C76		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



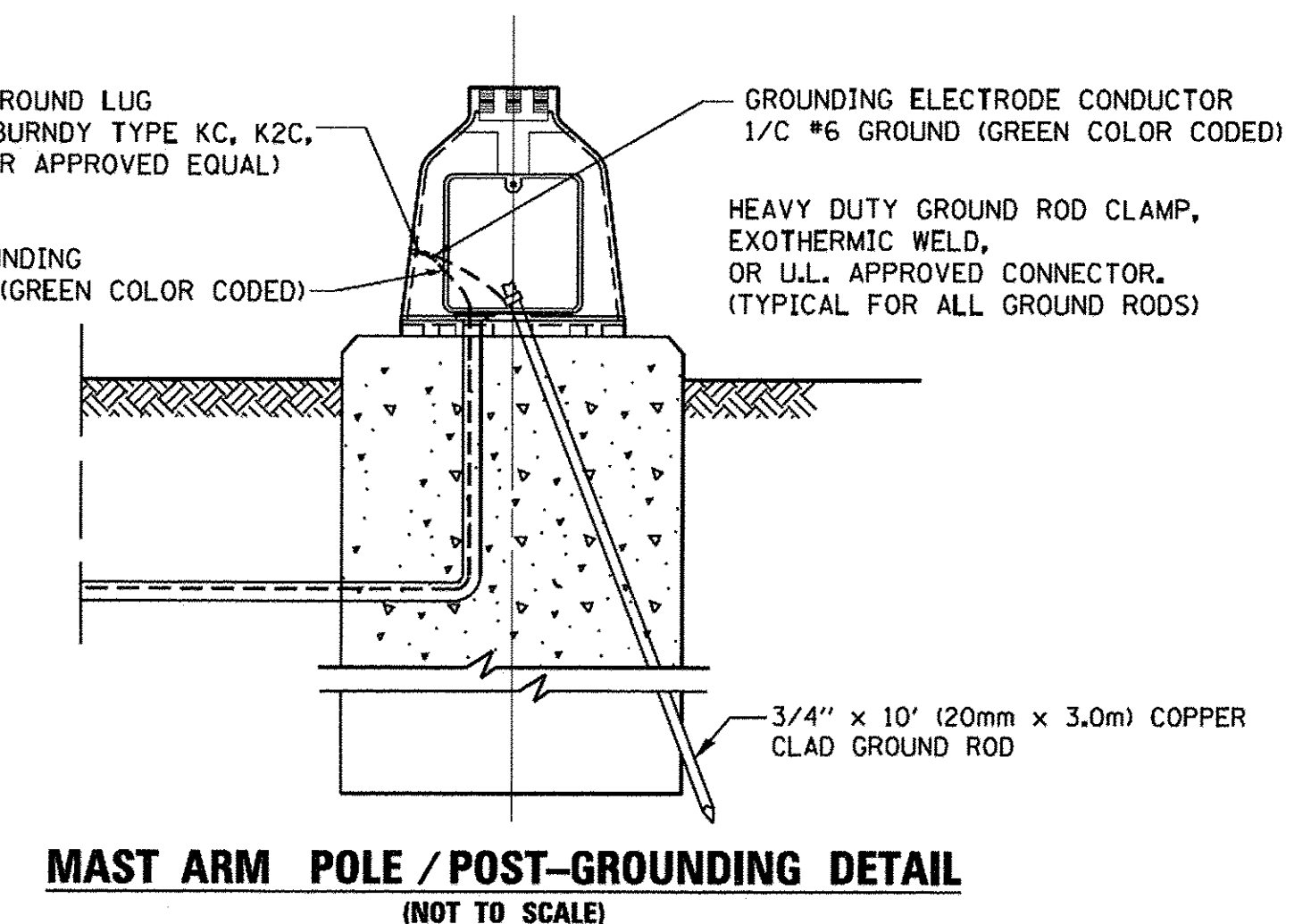
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



CABINET - BASE BOLT PATTERN (NOT TO SCALE)



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



TS SHT NO. 4



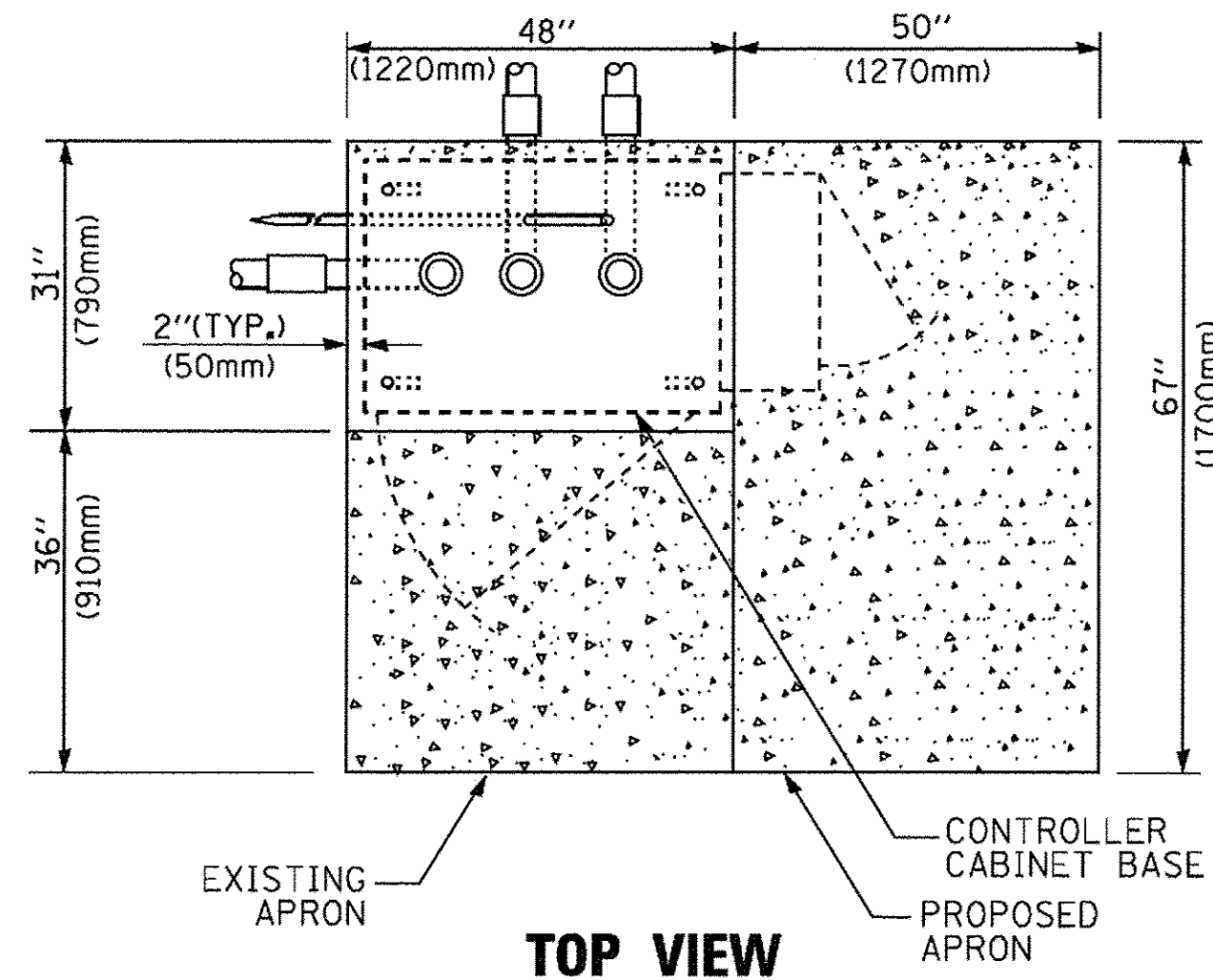
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PLOT SCALE = 28,000/0 ft. / in.	DRAWN - BCK	REVISED -
PLOT DATE = 12/12/2016	CHECKED - DAD	REVISED -
	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

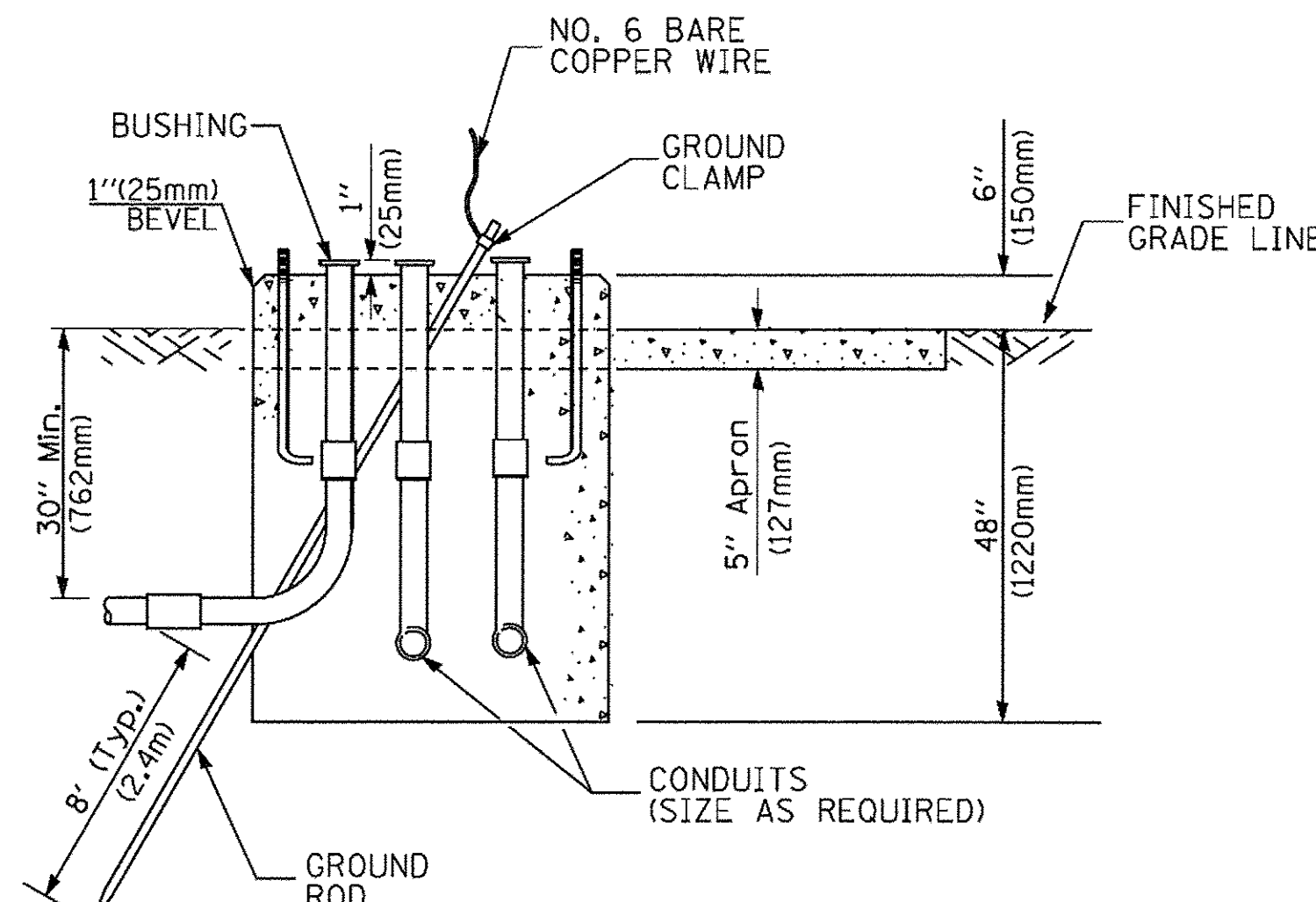
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.P. RTE. 350	SECTION 12-00194-00-CH TS-05	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 72
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

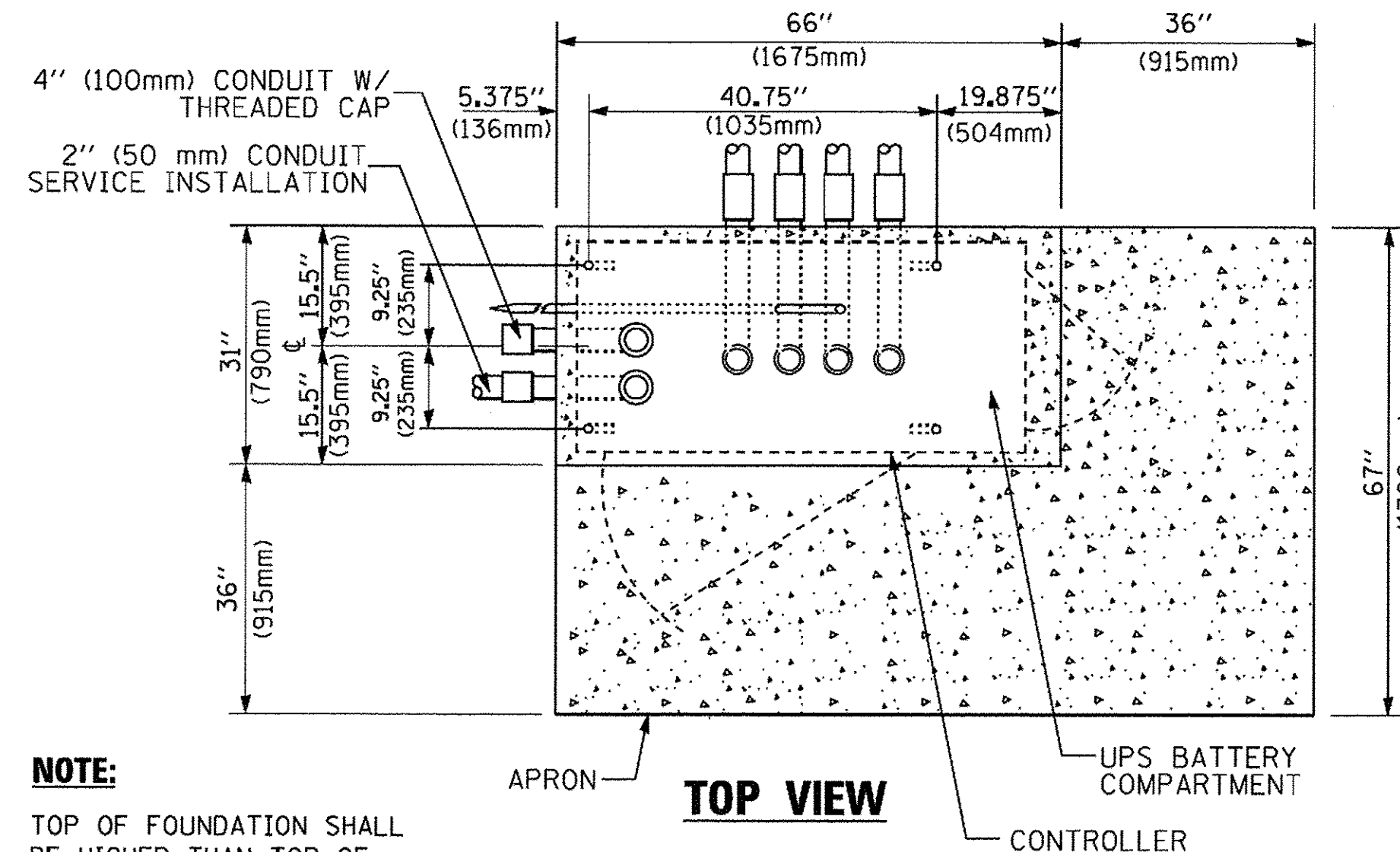
SCALE: NONE SHEET 4 OF 7 SHEETS STA. N/A TO STA. N/A



TOP VIEW

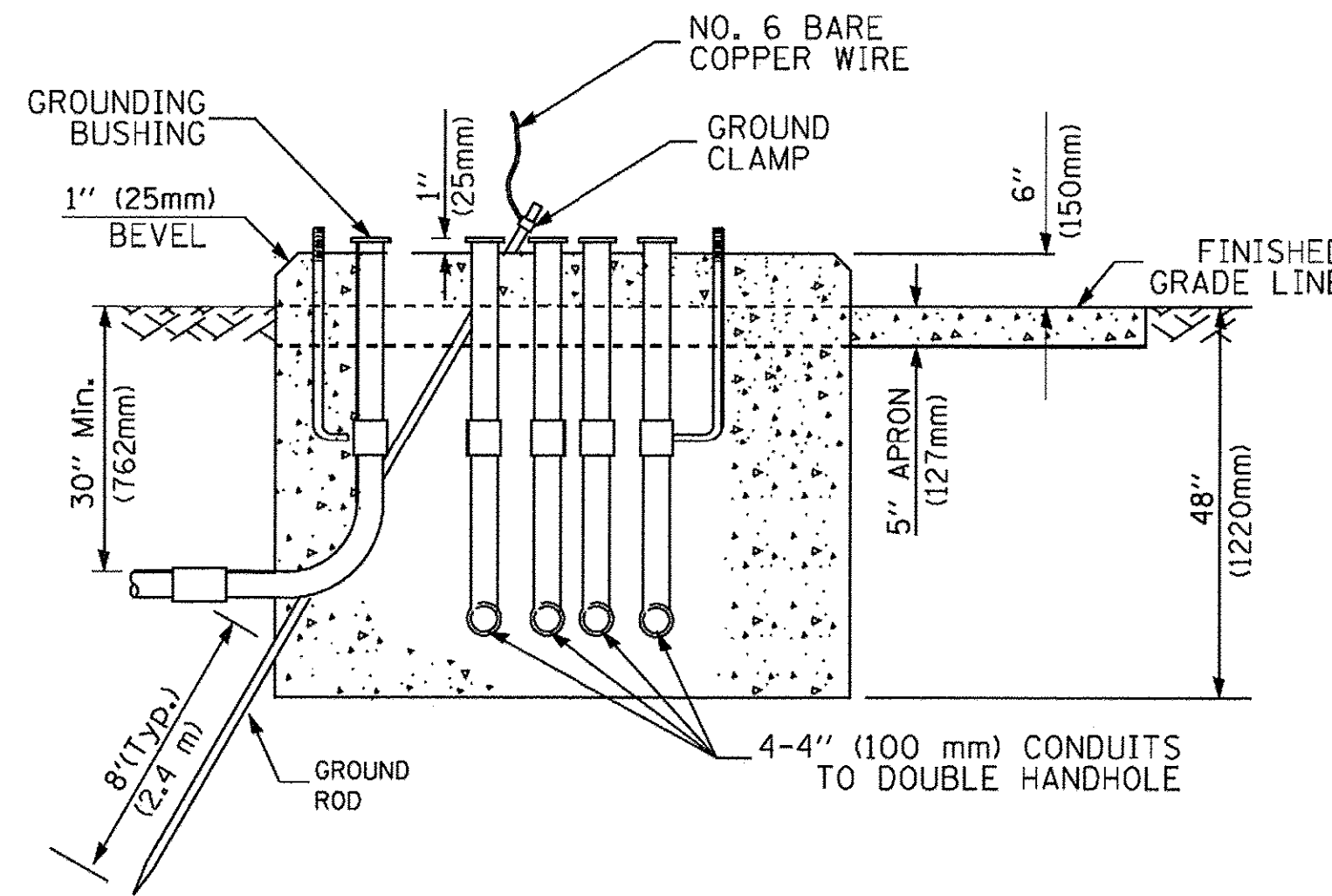


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

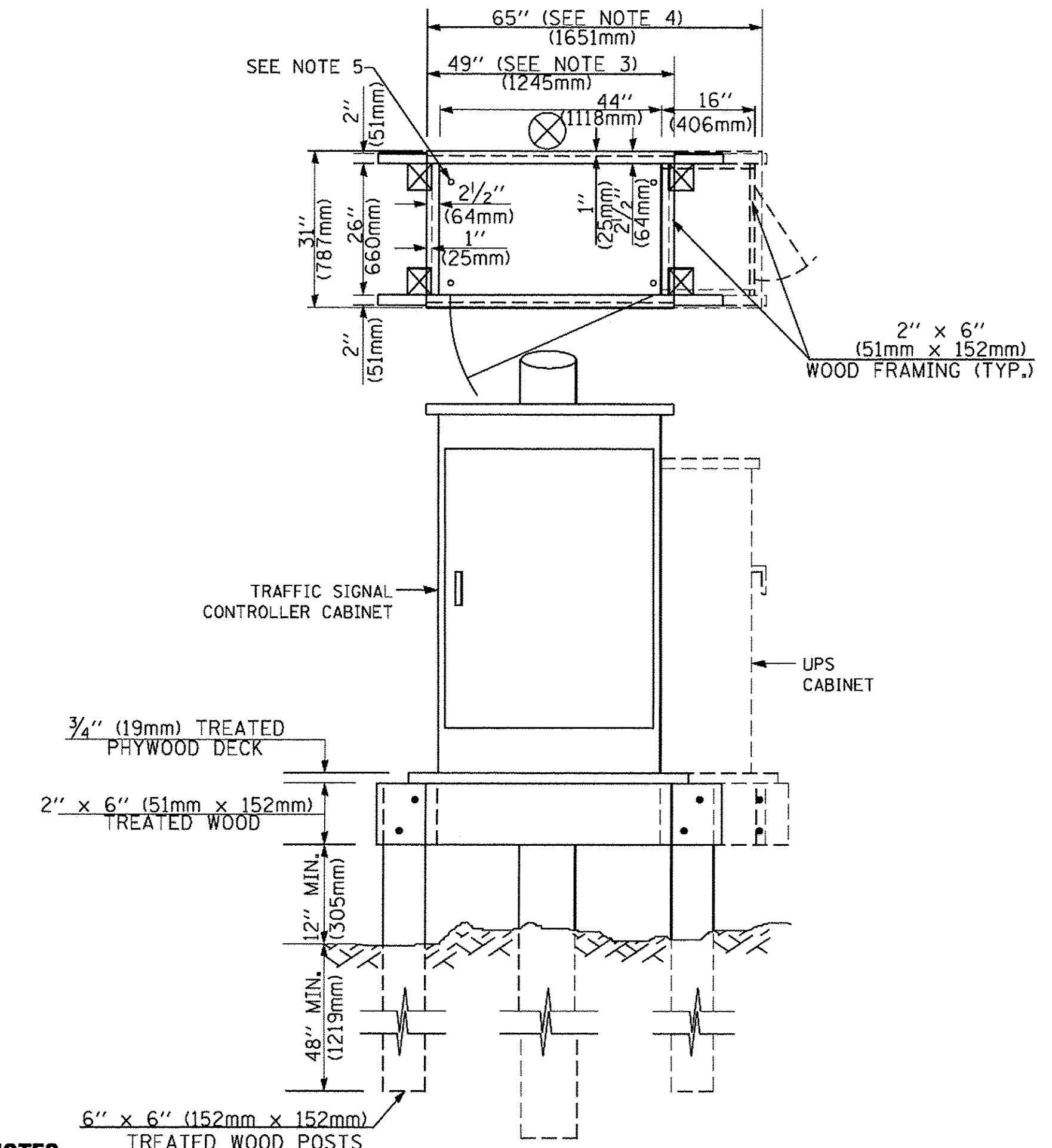


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TS SHT NO. 5

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DESIGNED - DAG
DRAWN - BCK
PLOT SCALE = 20.0000 ft / in.
CHECKED - DAD
PLOT DATE = 12/12/2016
DATE - 10-28-09

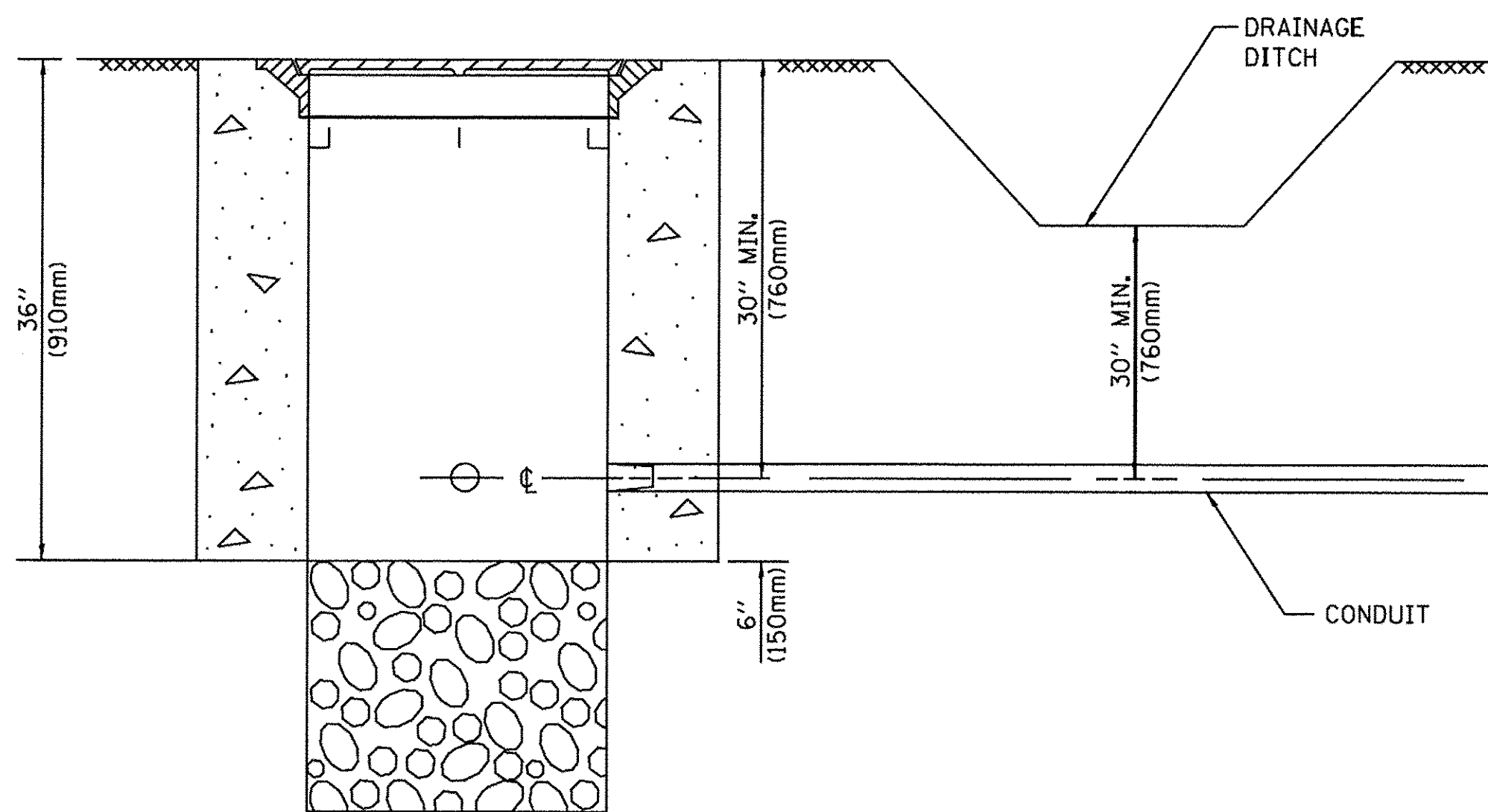
REVISD - DAG 1-1-14
REVISD -
REVISD -
REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 5 OF 7 SHEETS STA. N/A TO STA. N/A

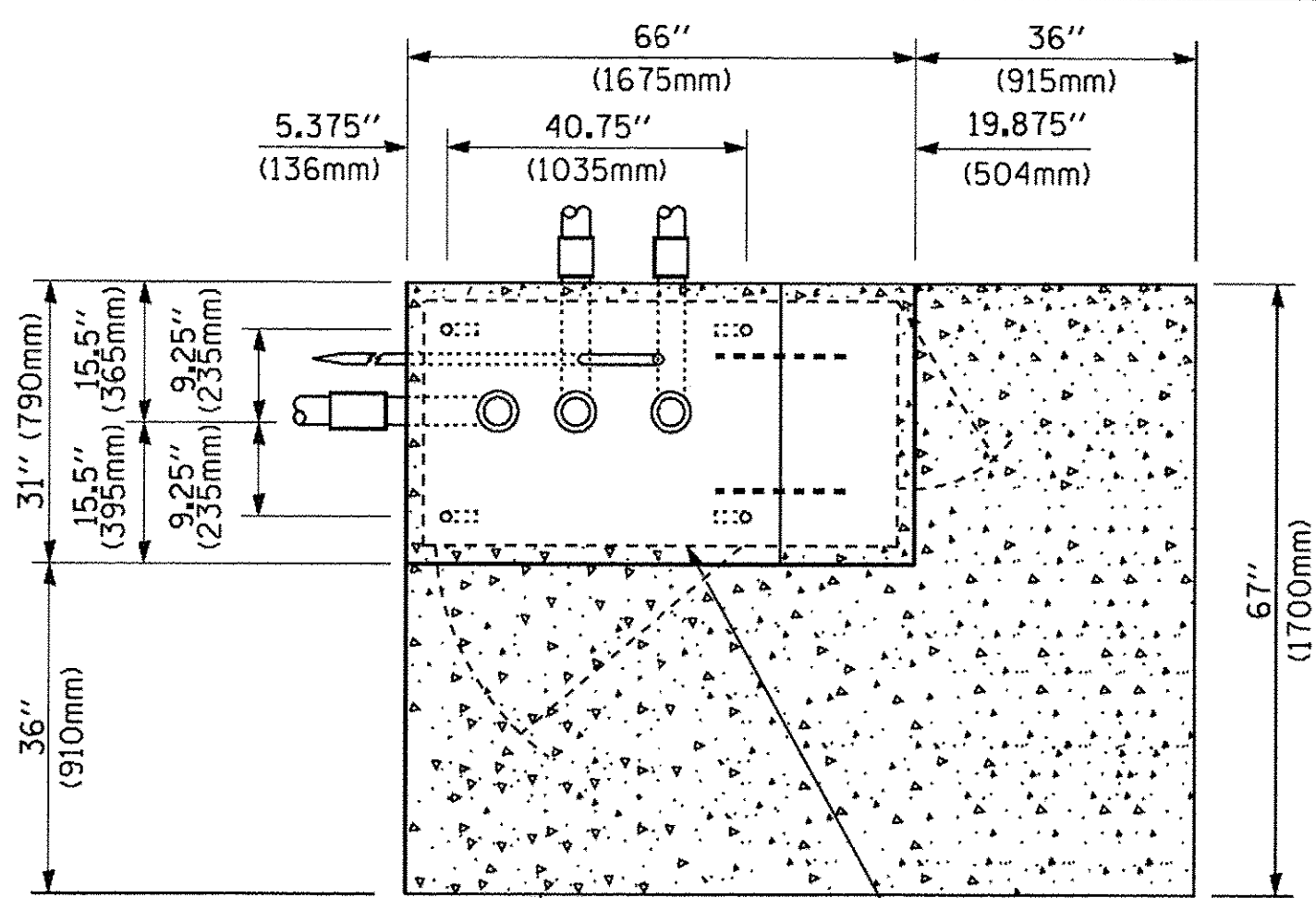
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 61C76		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



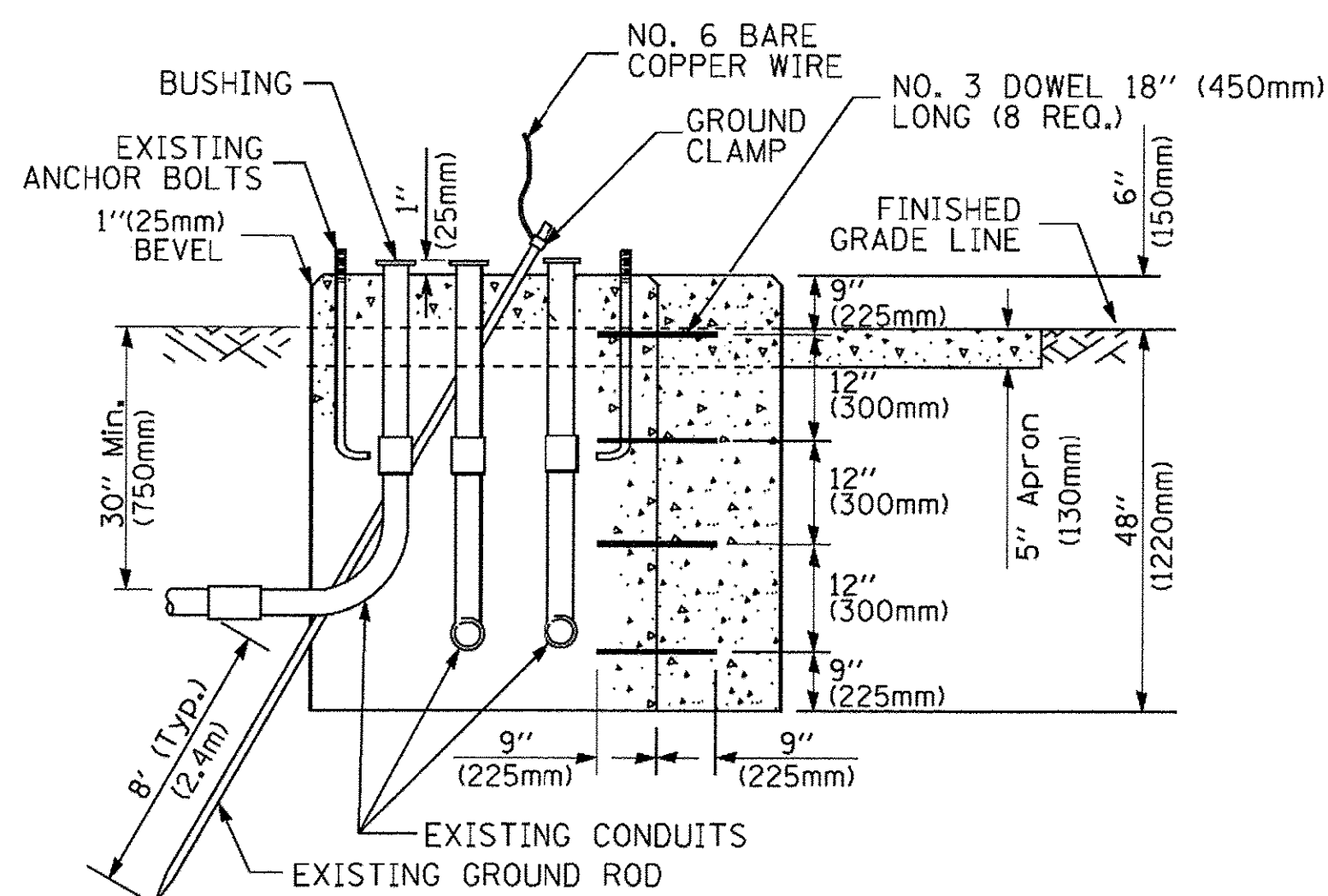
NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

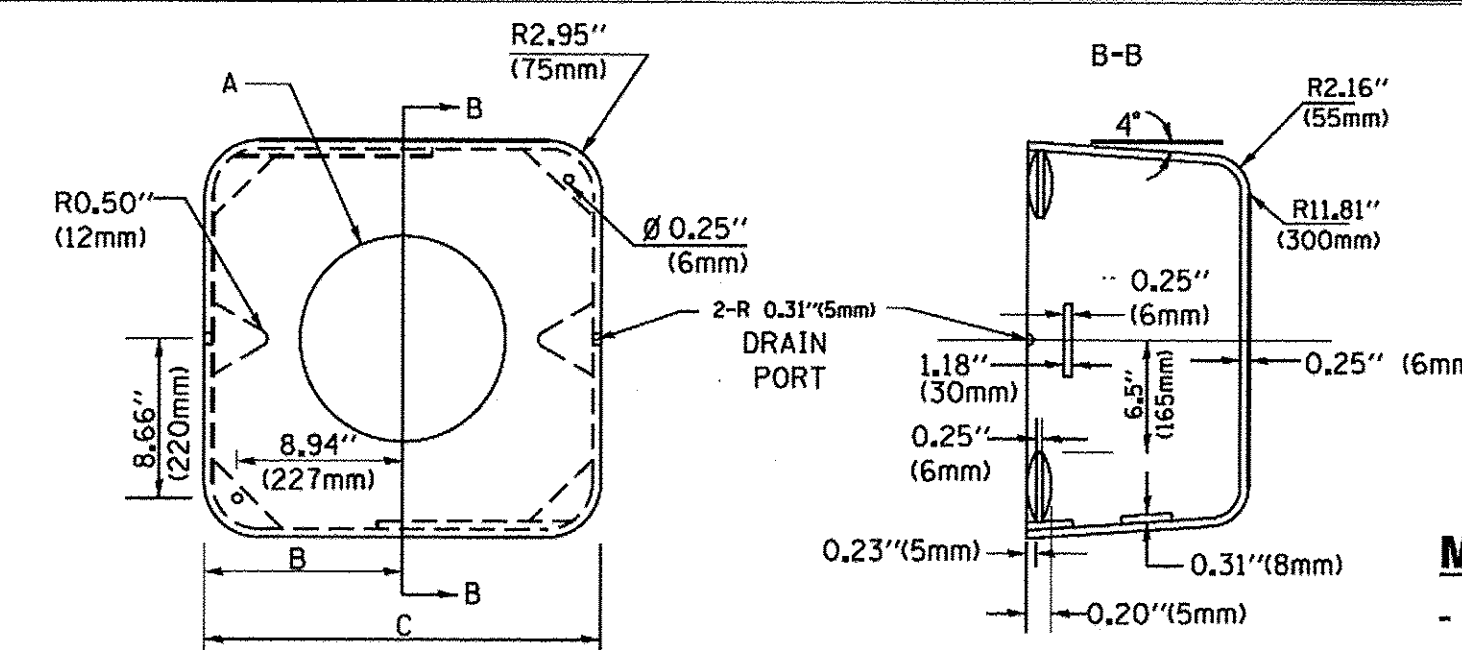


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



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

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

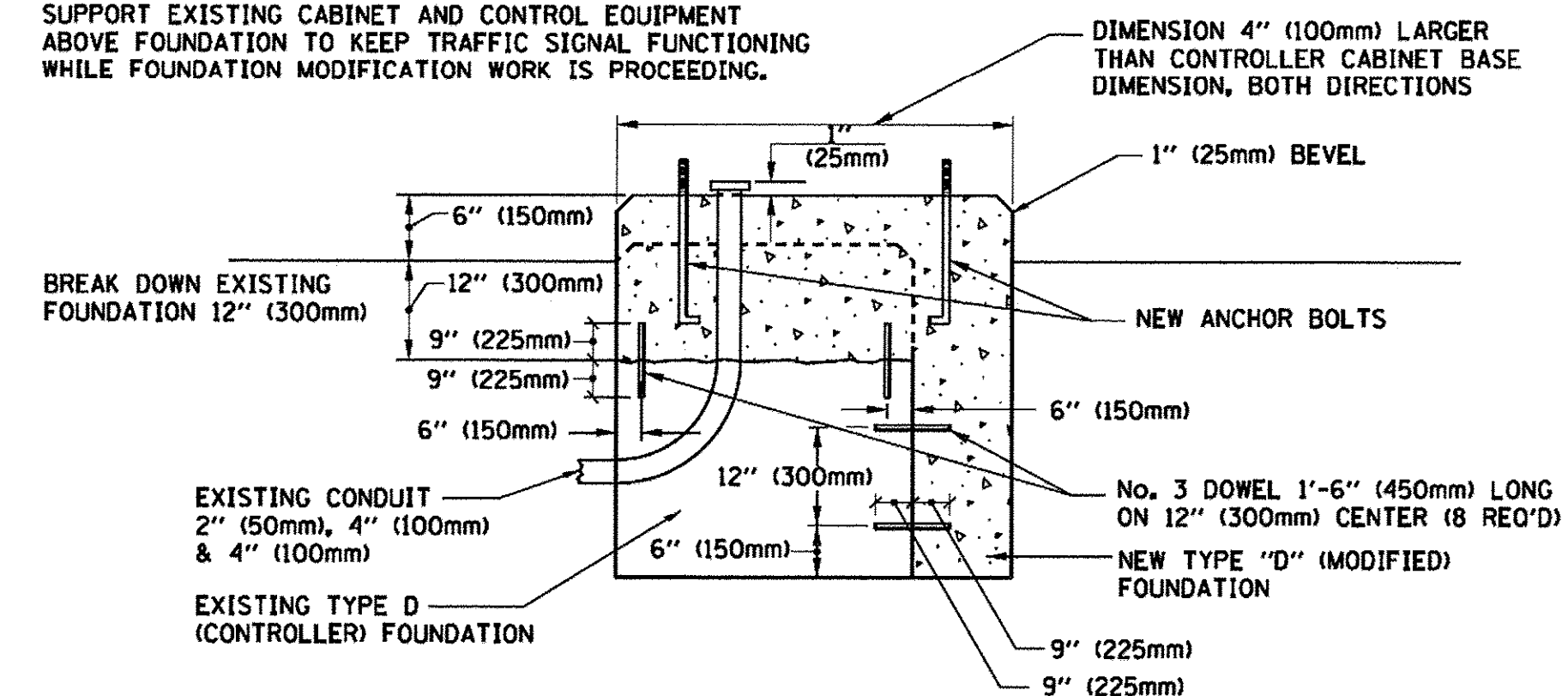
SHROUD

NOTES:

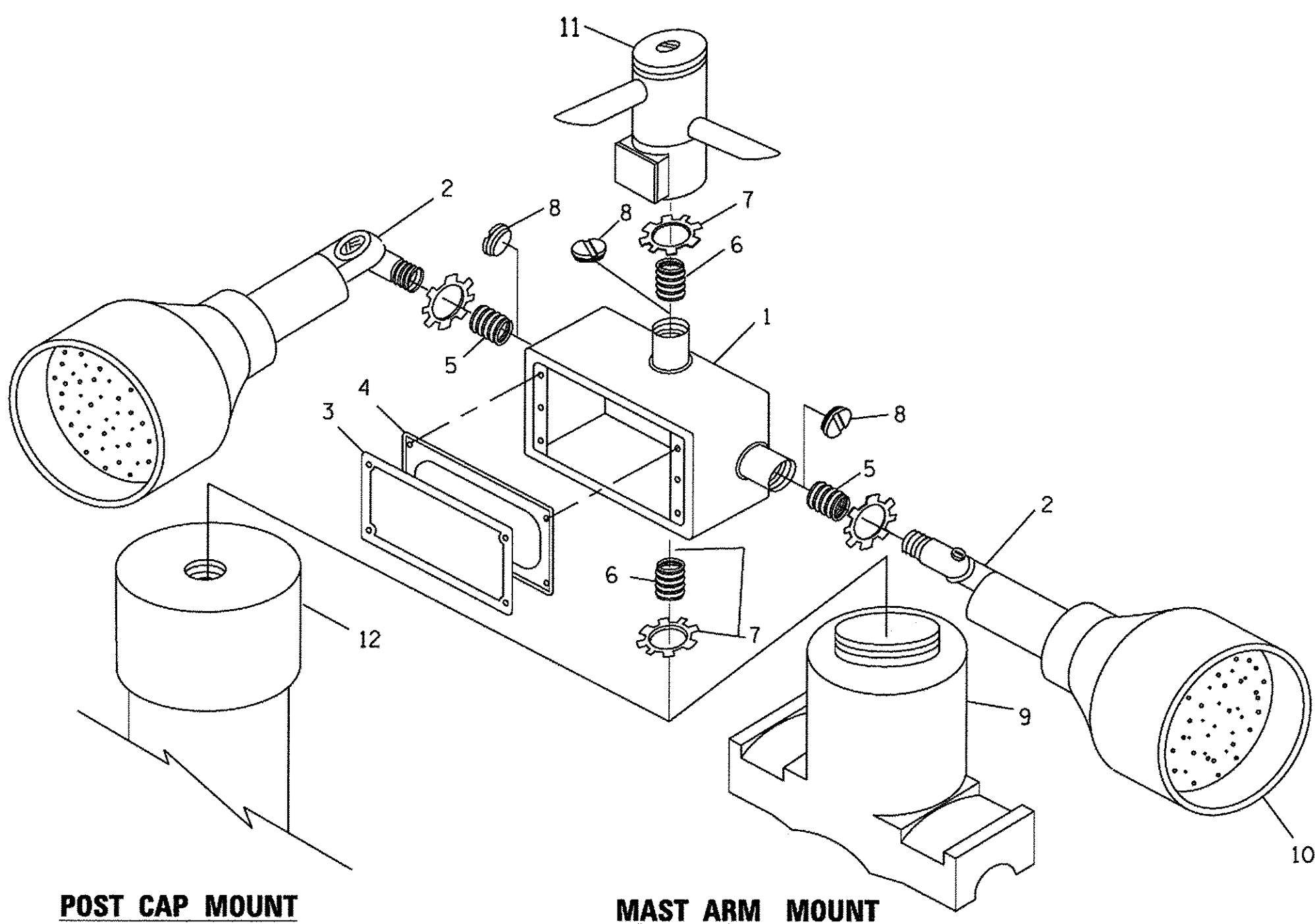
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



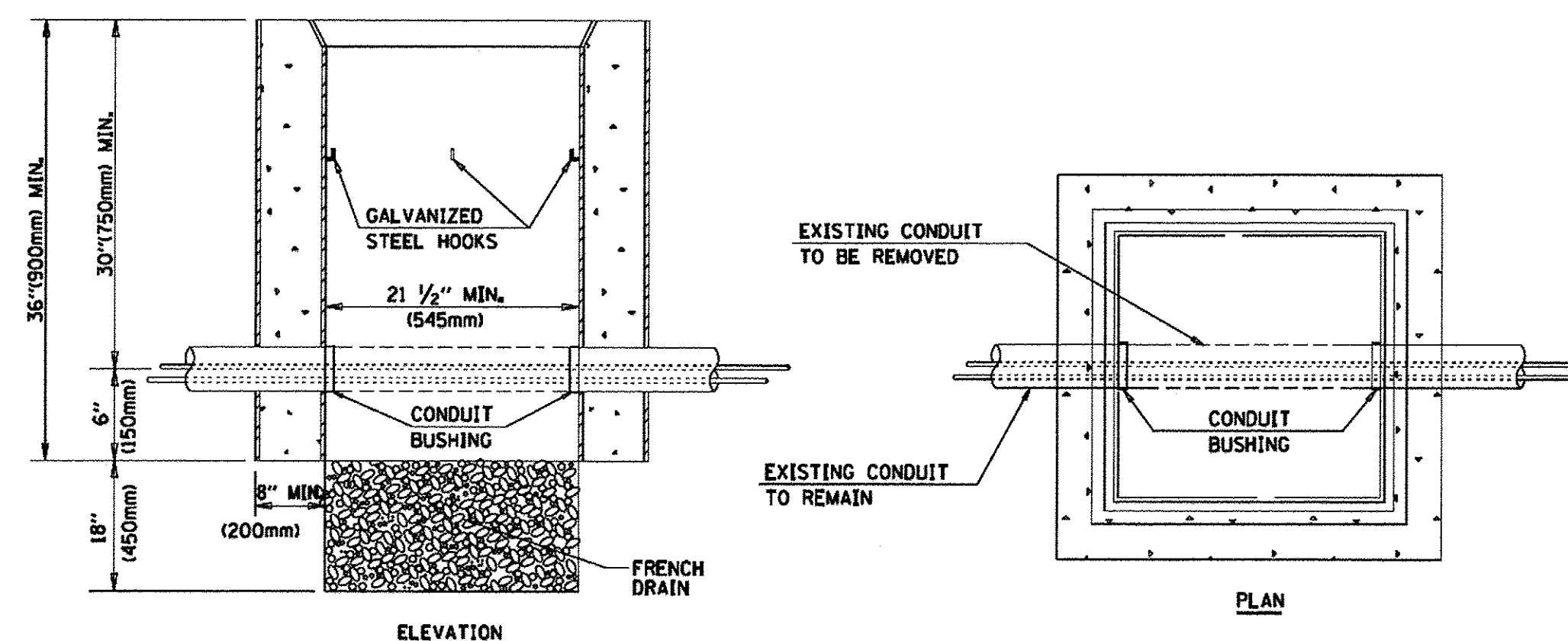
MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

FILE NAME = P:\2004\113\3902\WORK\113\3902\20-SHEETS\CH12-0128-TS006-D1.Dwg (11/10/06.dgn)



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DESIGNED - DAD
DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

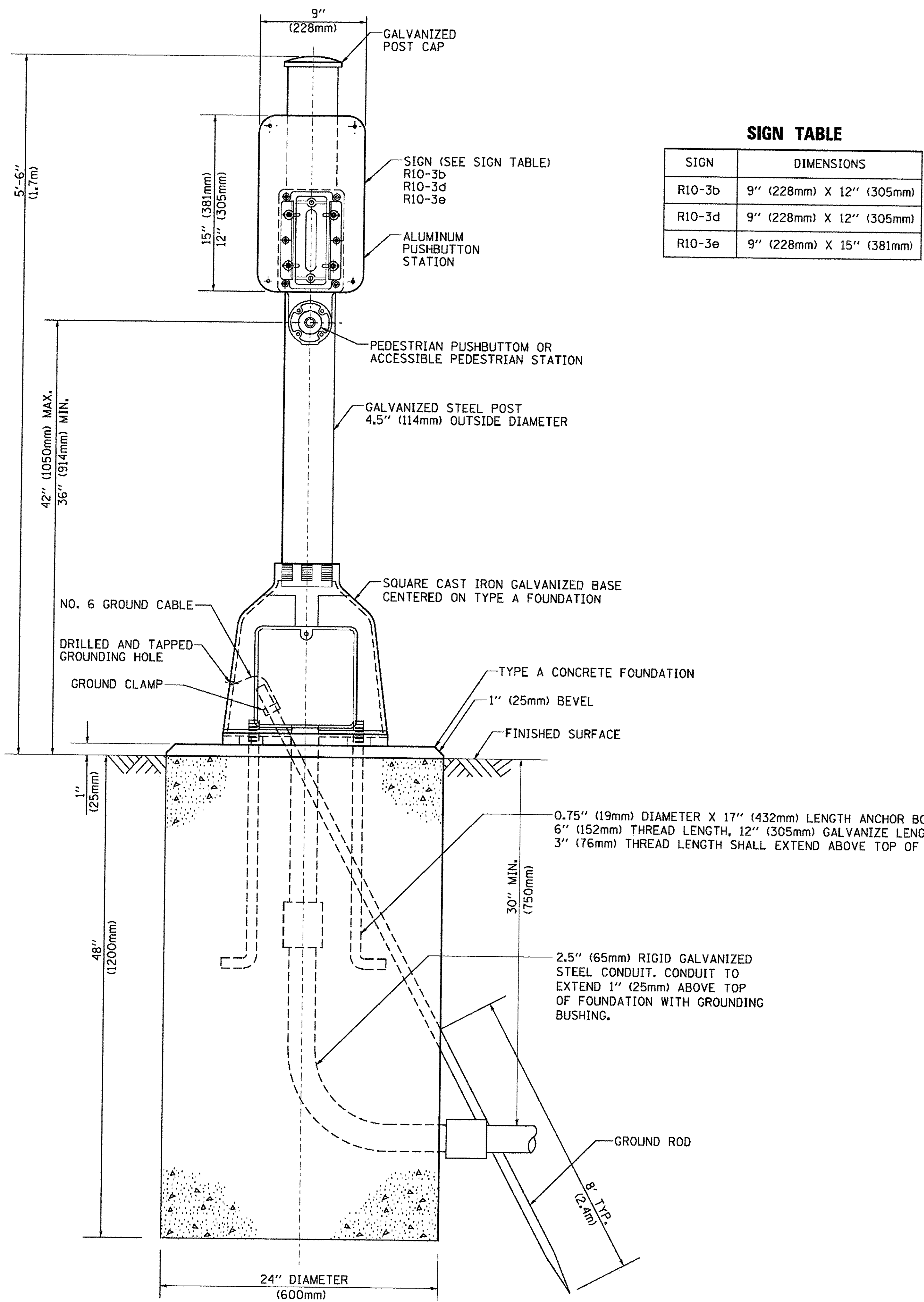
REVISIONS
1-14
REVISOR - DAG
DATE - 10-28-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

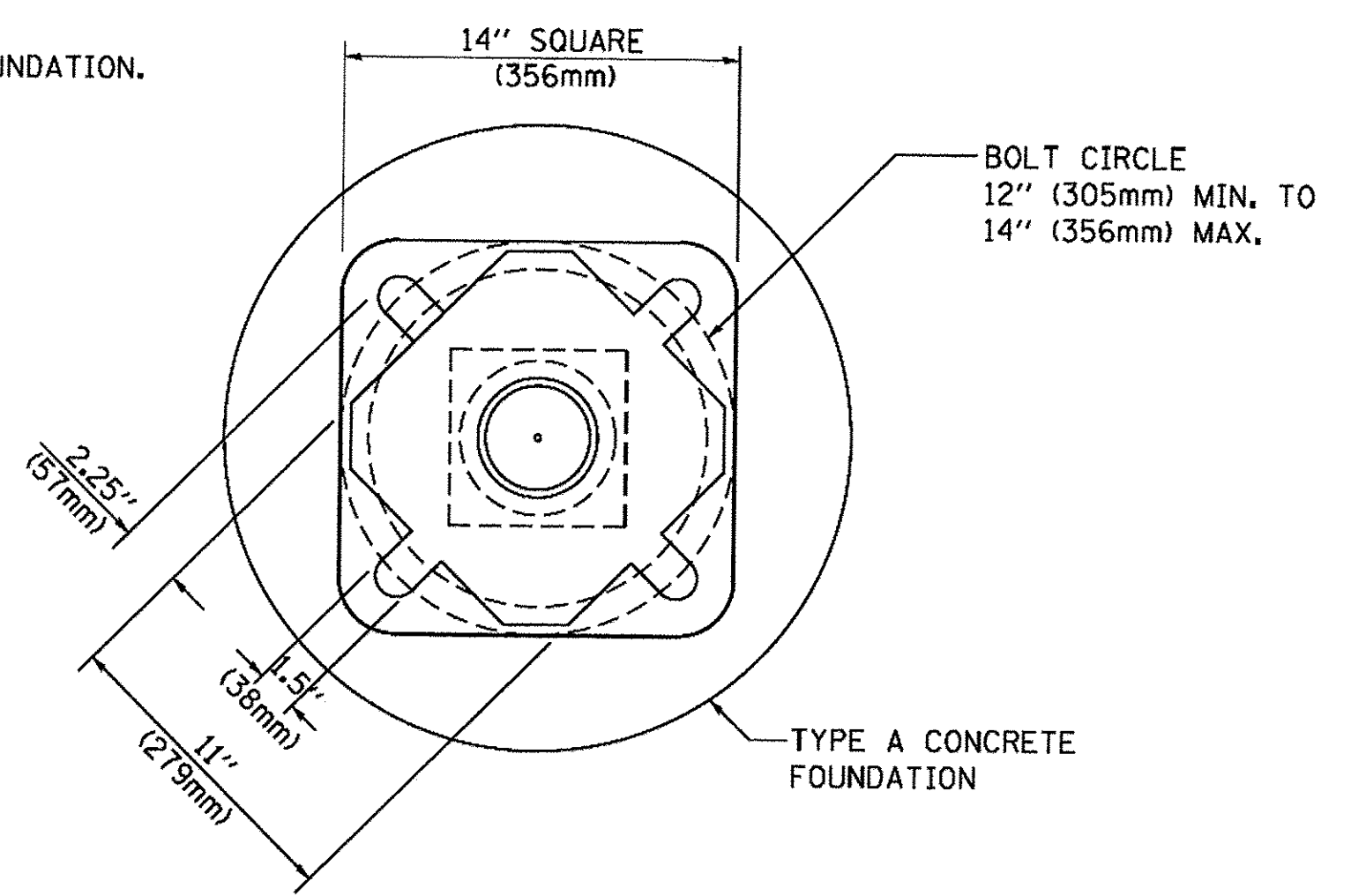
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	74
TS-05			CONTRACT NO. 61C76	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET 6 OF 7 SHEETS STA. N/A TO STA. N/A



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

TS SHT NO. 7

FILE NAME = P:\E044116\100\Work\K310_CAD\20-SHEETS\CH12-0128-T3007-D1 Detail07.dgn



USER NAME = andy.becker	DESIGNED - DAG	REVISED - DAG 1-1-14
PLOT SCALE = 20.0000 ft / in.	DRAWN - GND	REVISED -
PLOT DATE = 12/12/2016	CHECKED - DAD	REVISED -
	DATE - 10/1/2012	REVISED -

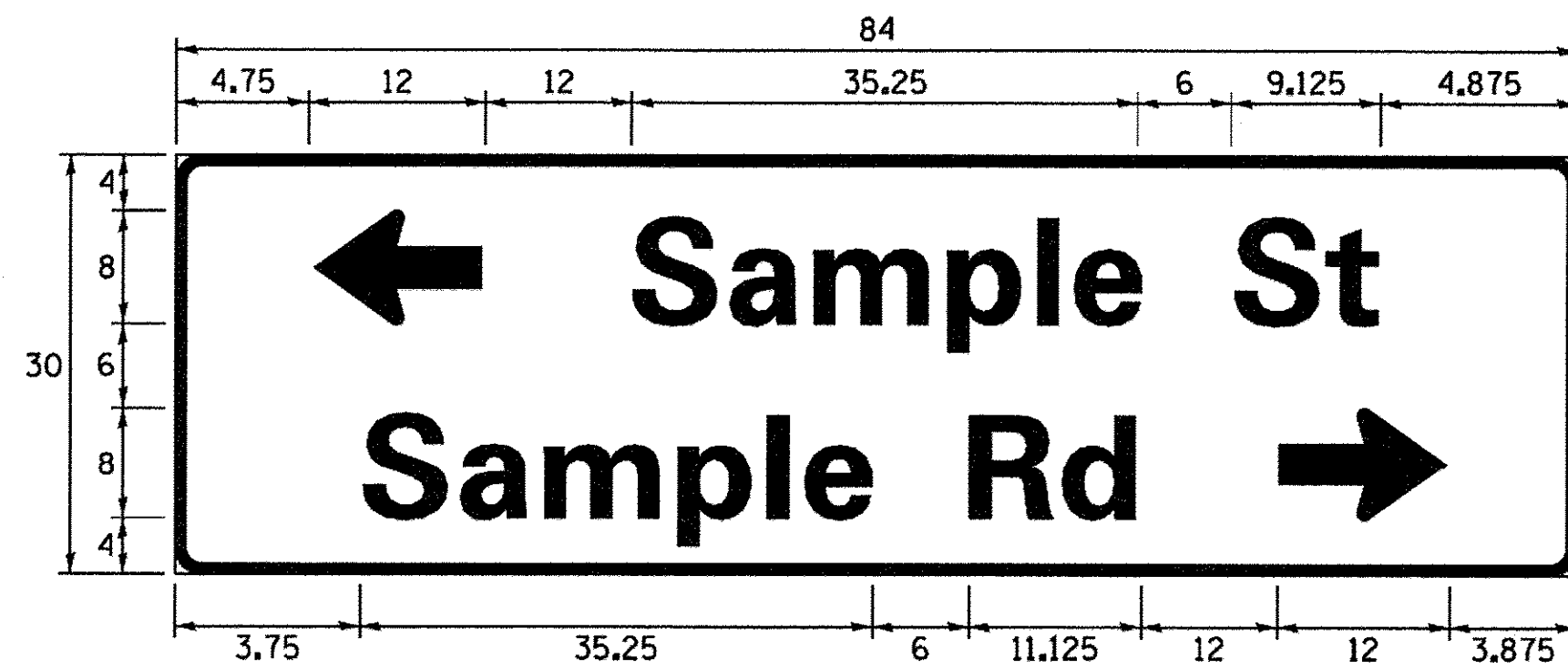
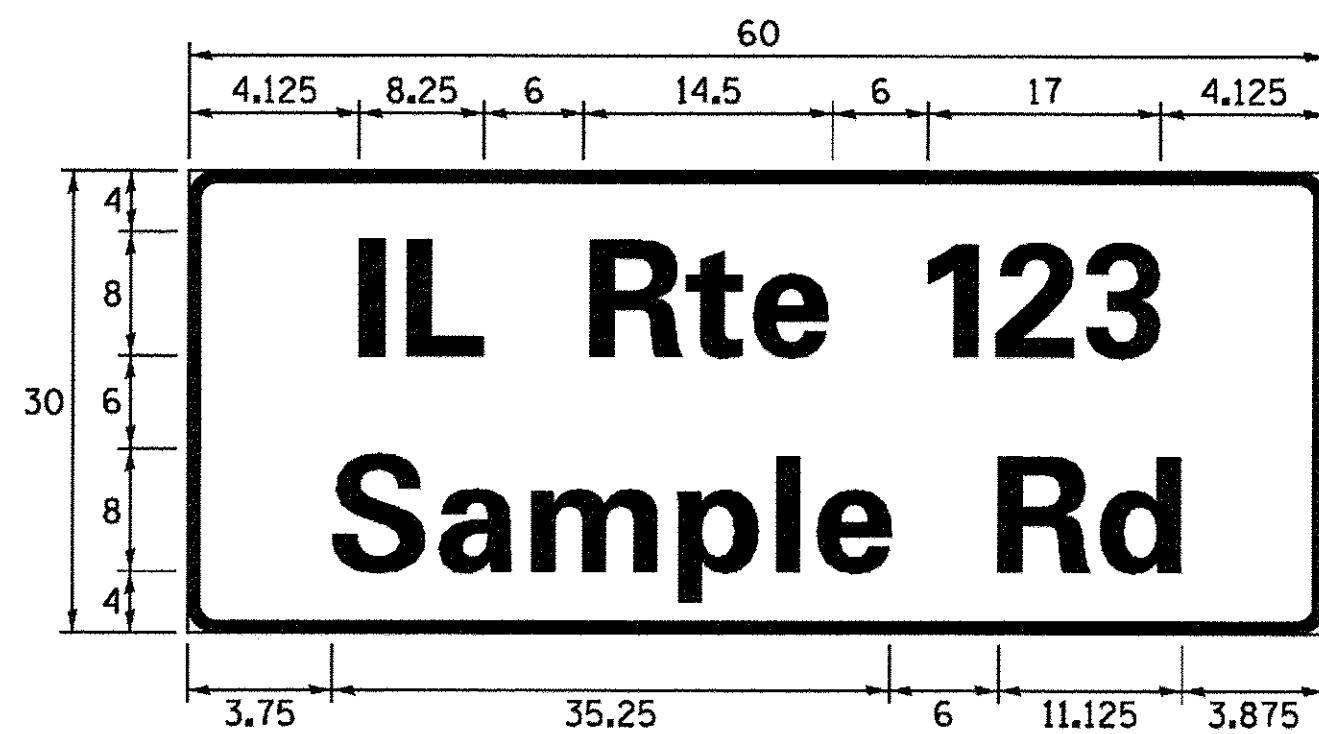
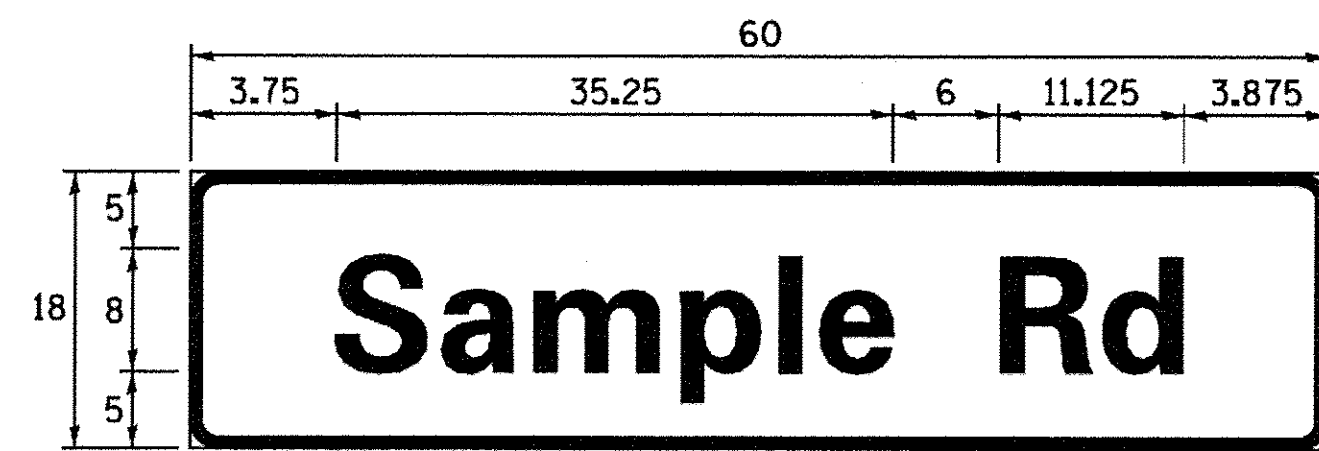
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	75
TS-05		CONTRACT NO. 61C76		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET 7 OF 7 SHEETS STA. N/A TO STA. N/A

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THERE IS SPACE AVAILABLE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

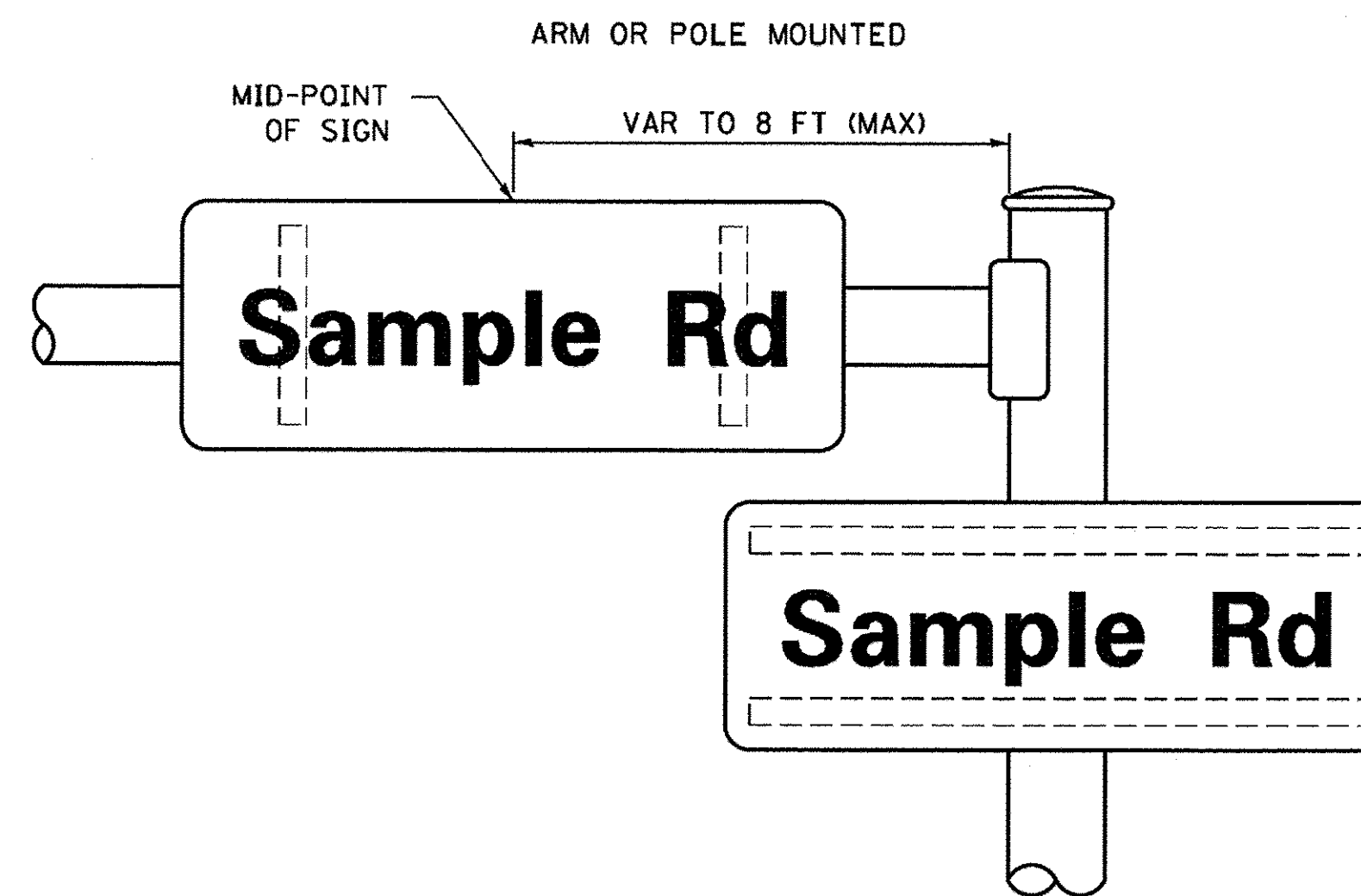
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

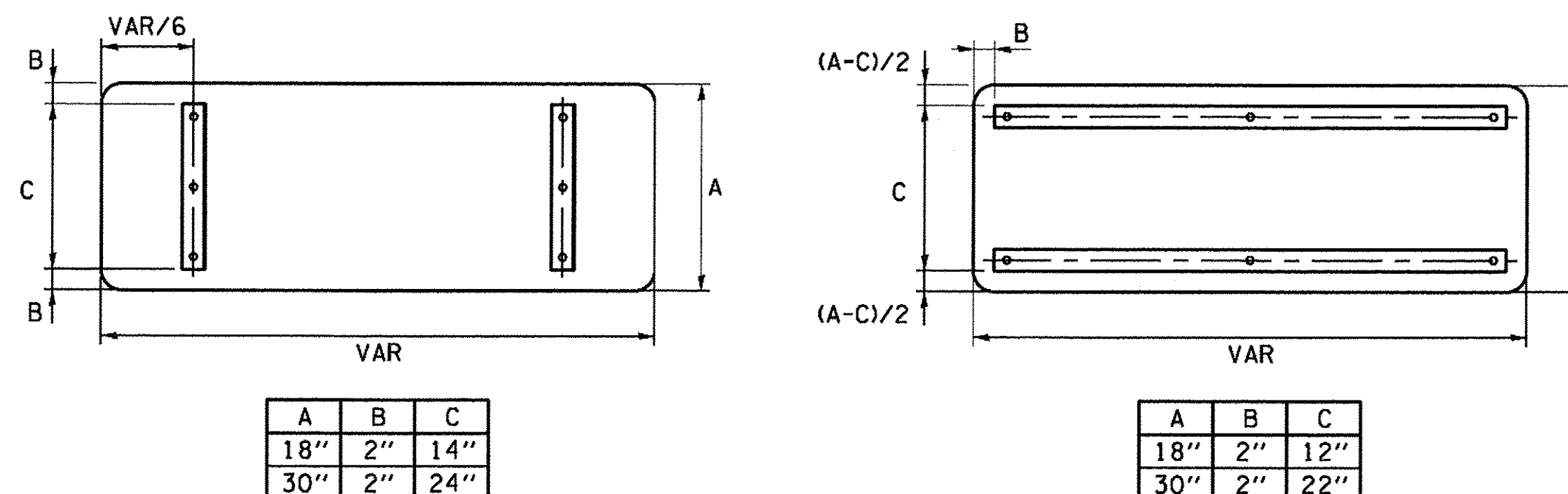
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

CHARACTER	FHWA SERIES "C"			CHARACTER	FHWA SERIES "D"		
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)		LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 8
FILE NAME = F:\60444116\980_VorK\910_CAD\20-SHEETS\CH12-0128-TS088-DI.MAR Street Name Sign Detail.dgn



USER NAME = andy.becker	DESIGNED - LP/IP	REVISED -
PLOT SCALE = 20.0000 Ft / in.	DRAWN - LP	REVISED -
PLOT DATE = 12/12/2016	CHECKED - IP	REVISED -
	DATE - 10/01/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

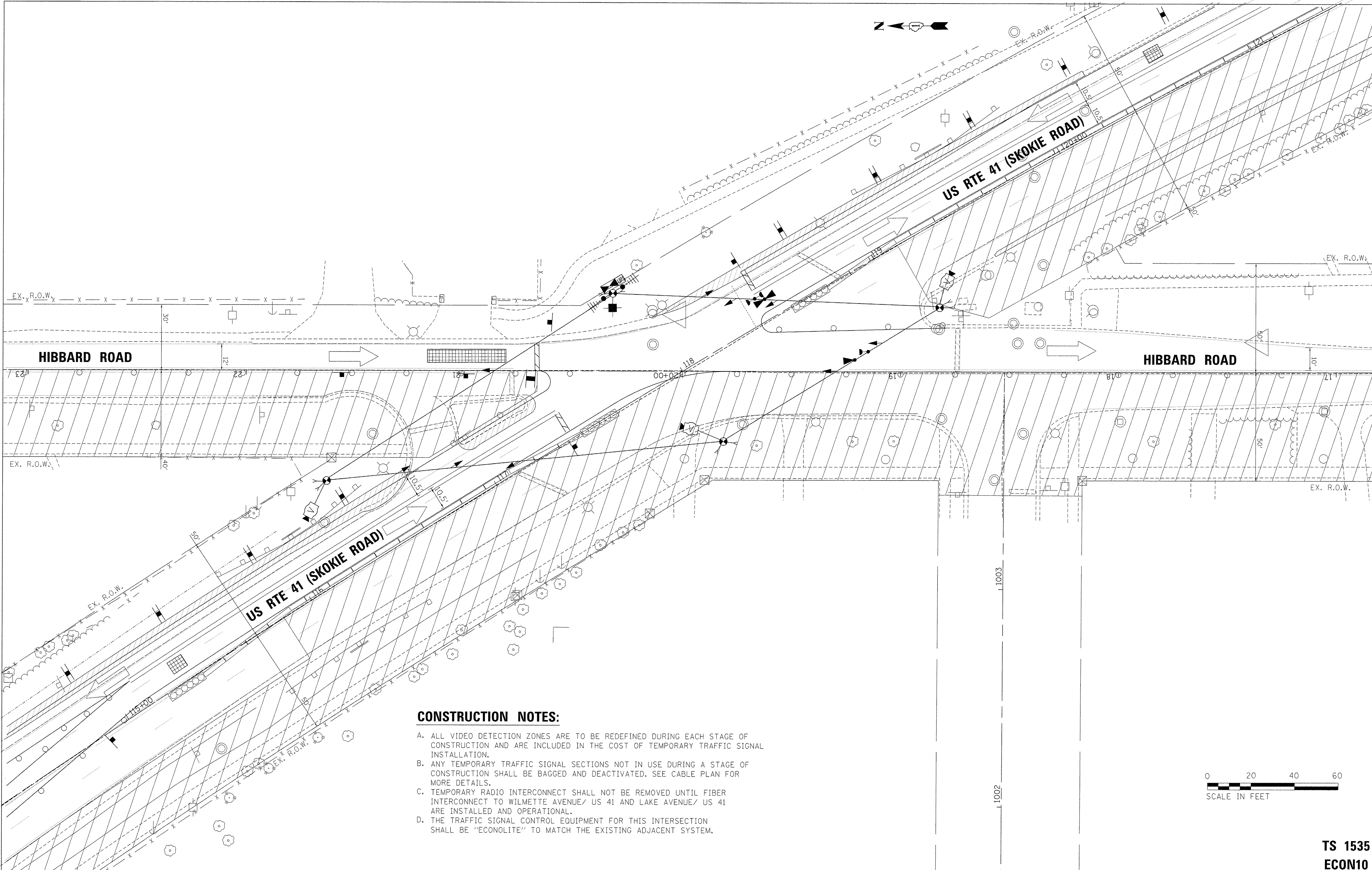
DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 76
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				

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

TS SHT NO. 10

FILE NAME = P:\6044116\300\Work\A\10\20-SHEETS\CH12-0128-TS010 - Temporary Traffic Signal Plan - Stage 1.dgn



CONSTRUCTION NOTES:

- A. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- B. ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLAN FOR MORE DETAILS.
- C. TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO WILMETTE AVENUE/ US 41 AND LAKE AVENUE/ US 41 ARE INSTALLED AND OPERATIONAL.
- D. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1
U.S. 41 (SKOKIE RD) AT HIBBARD RD

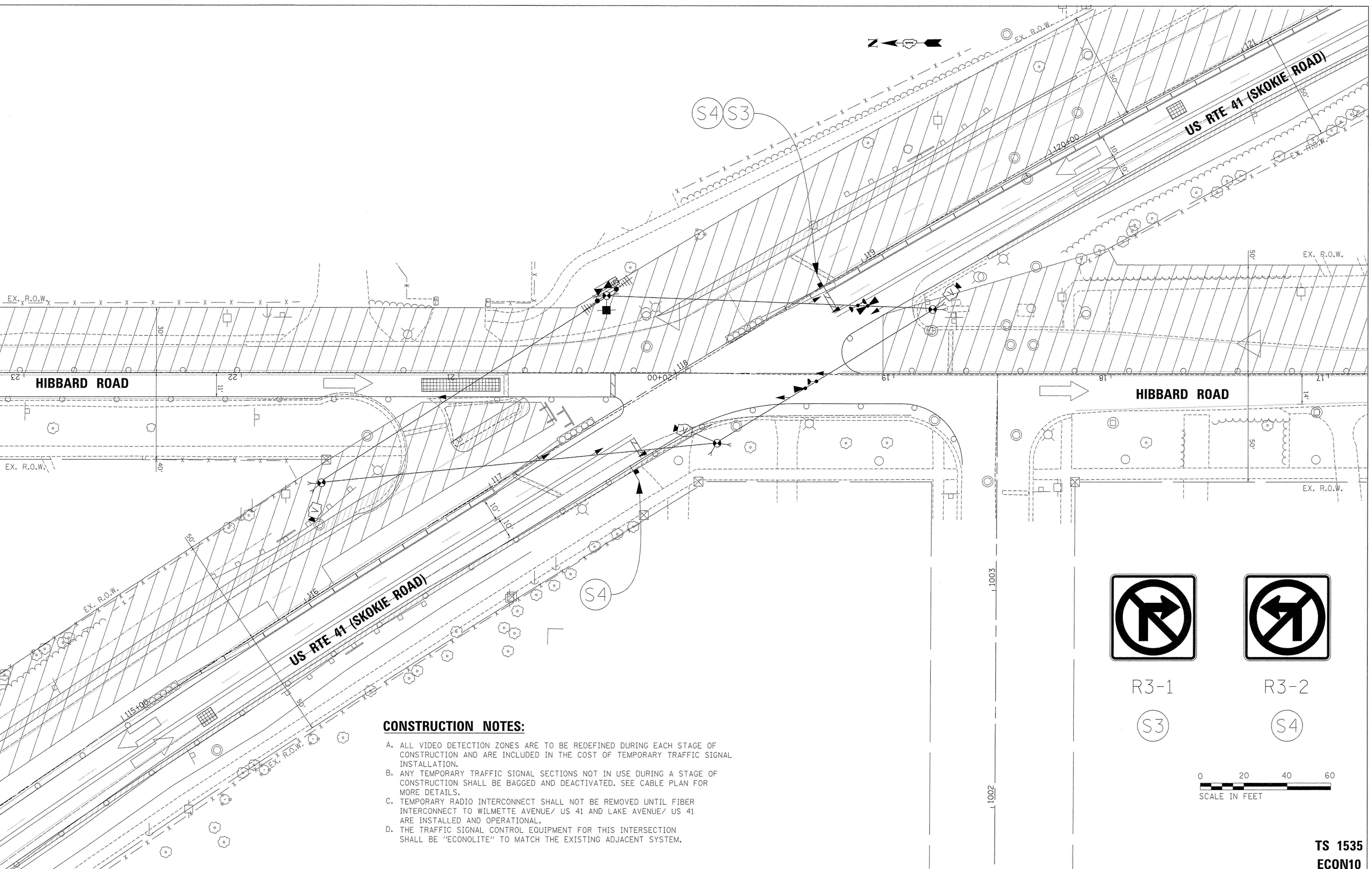
SCALE: 1" = 20' SHEET 2 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 78
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				

TS 1535
ECON10

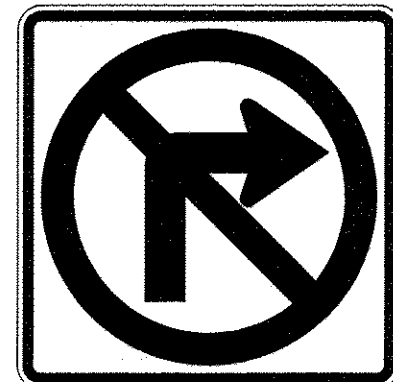
TS SHT NO. 11

FILE NAME = R:\69444116\900_Vor-KA\910_CAD\28-SHEETS\CH12-0128-TS01-Temporary Traffic Signal Plan - Stage 2.dgn

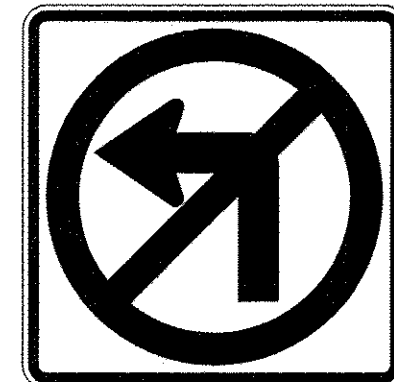


CONSTRUCTION NOTES:

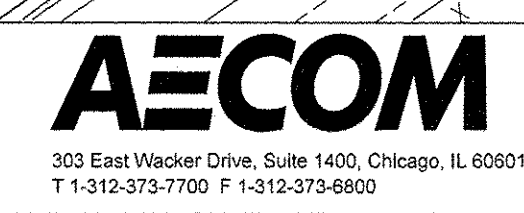
- A. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- B. ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLAN FOR MORE DETAILS.
- C. TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO WILMETTE AVENUE/ US 41 AND LAKE AVENUE/ US 41 ARE INSTALLED AND OPERATIONAL.
- D. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



R3-1



R3-2



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2
U.S. 41 (SKOKIE RD) AT HIBBARD RD

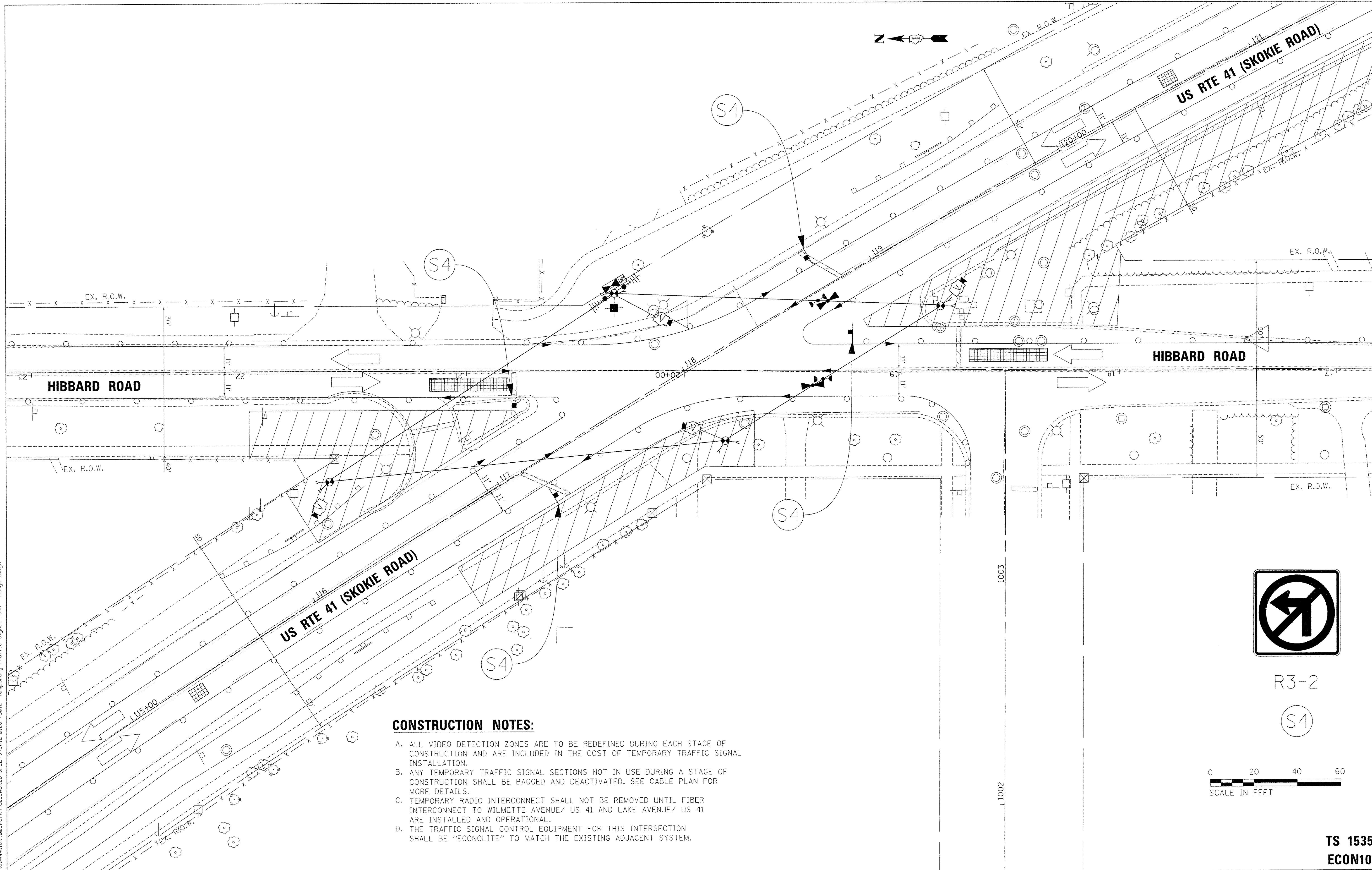
SCALE: 1" = 20' SHEET 3 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 79
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				

TS 1535
ECON10

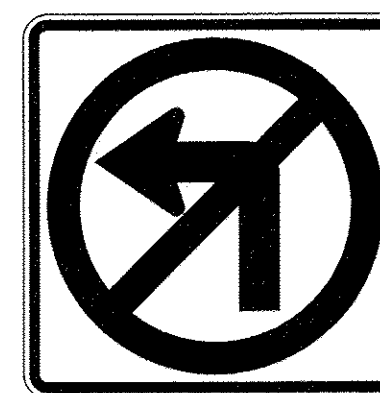
TS SHT NO. 12

FILE NAME = P:\5044116\500_Vehs\918_CAD\20-SHEETS\CH12-0128-TS012- Temporary Traffic Signal Plan - Stage 3.dgn

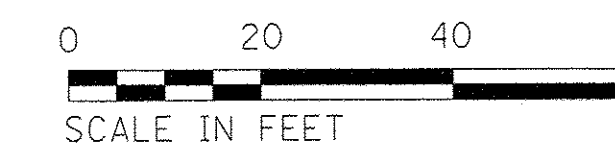


CONSTRUCTION NOTES:

- A. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- B. ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLAN FOR MORE DETAILS.
- C. TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO WILMETTE AVENUE/ US 41 AND LAKE AVENUE/ US 41 ARE INSTALLED AND OPERATIONAL.
- D. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



R3-2



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3
U.S. 41 (SKOKIE RD) AT HIBBARD RD

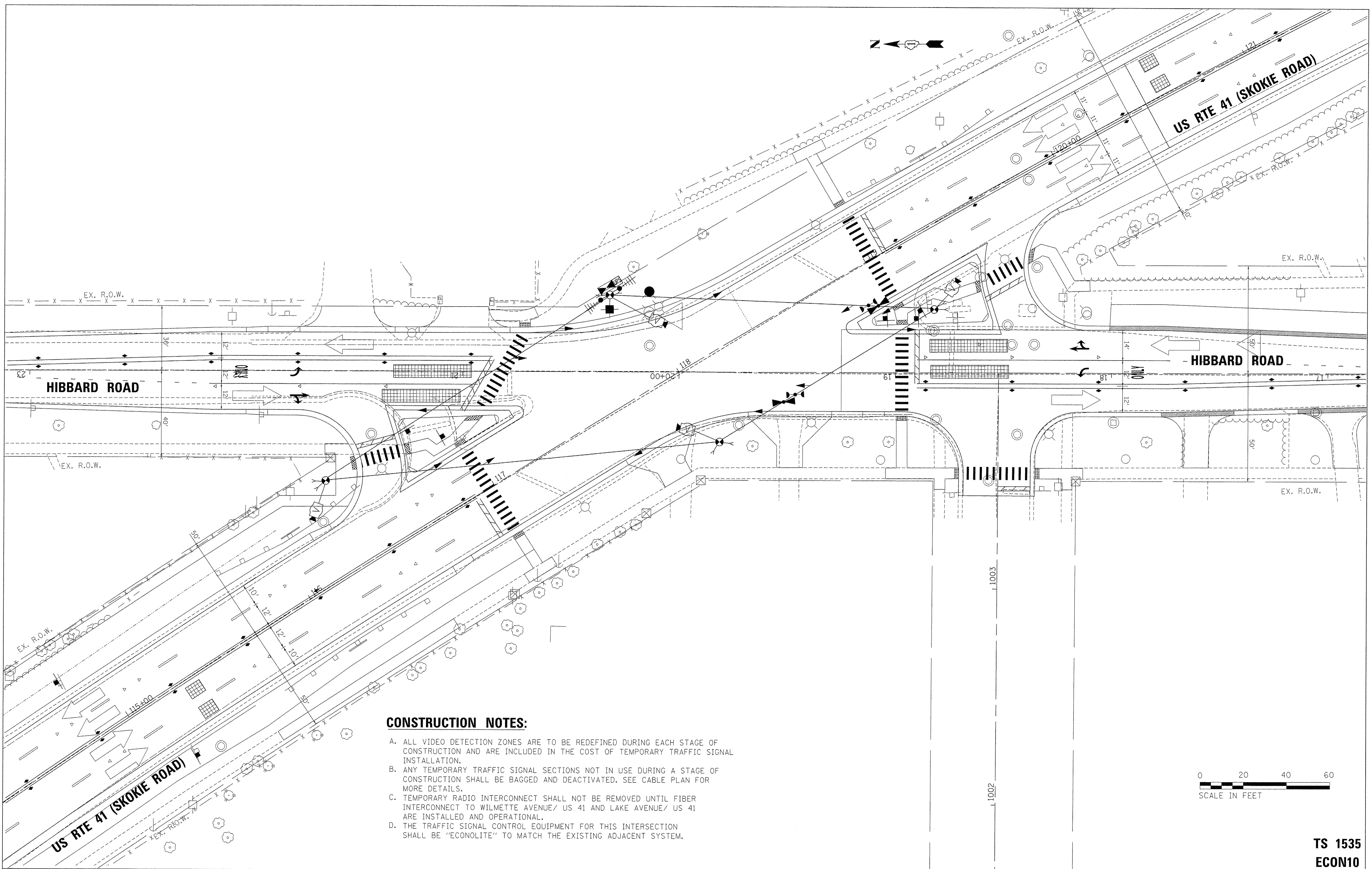
SCALE: 1" = 20' SHEET 4 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	80
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

TS 1535
ECON10

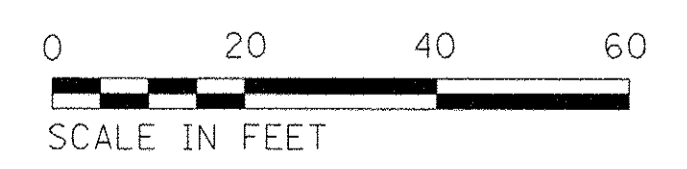
TS SHT NO. 13

FILE NAME = F:\6044116\1902\WORK\116\CHD\20-SHEETS\CHD\20-TS013 - Temporary Traffic Signal Plan - Final Geometrics.dgn



CONSTRUCTION NOTES:

- A. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- B. ANY TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. SEE CABLE PLAN FOR MORE DETAILS.
- C. TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO WILMETTE AVENUE/ US 41 AND LAKE AVENUE/ US 41 ARE INSTALLED AND OPERATIONAL.
- D. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

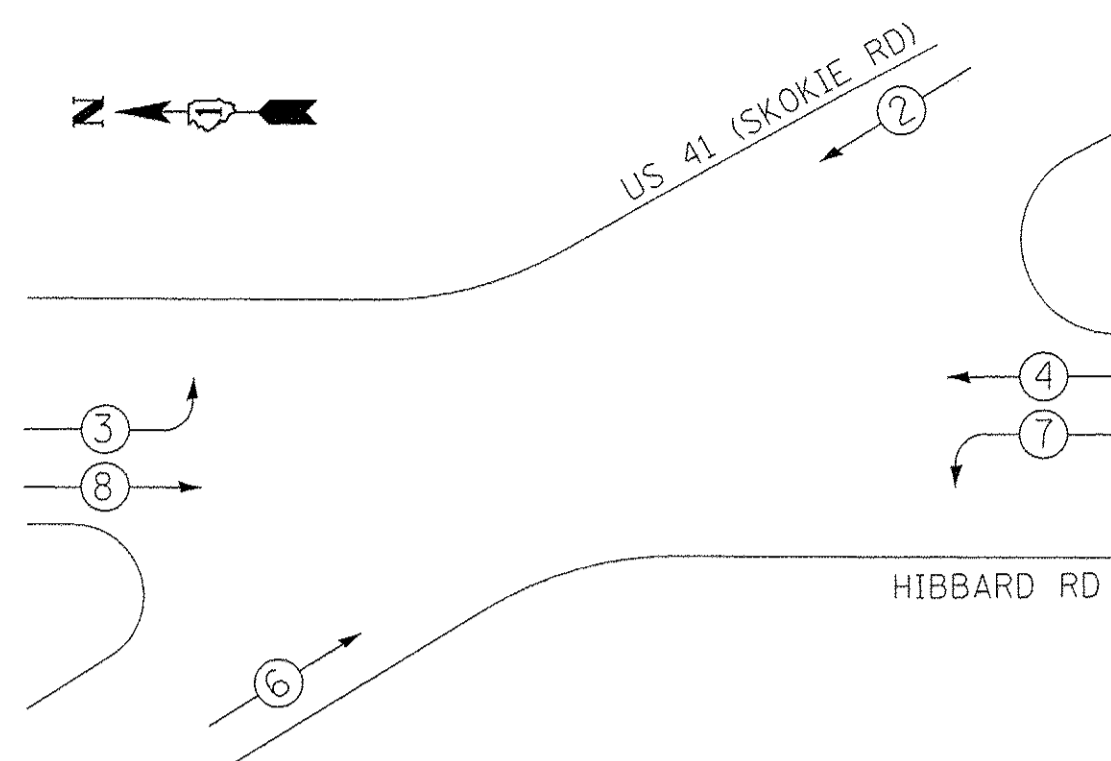
**TEMPORARY TRAFFIC SIGNAL PLAN - FINAL GEOMETRICS
U.S. 41 (SKOKIE RD) AT HIBBARD RD**

SCALE: 1" = 20' SHEET 5 OF 18 SHEETS STA. TO STA.

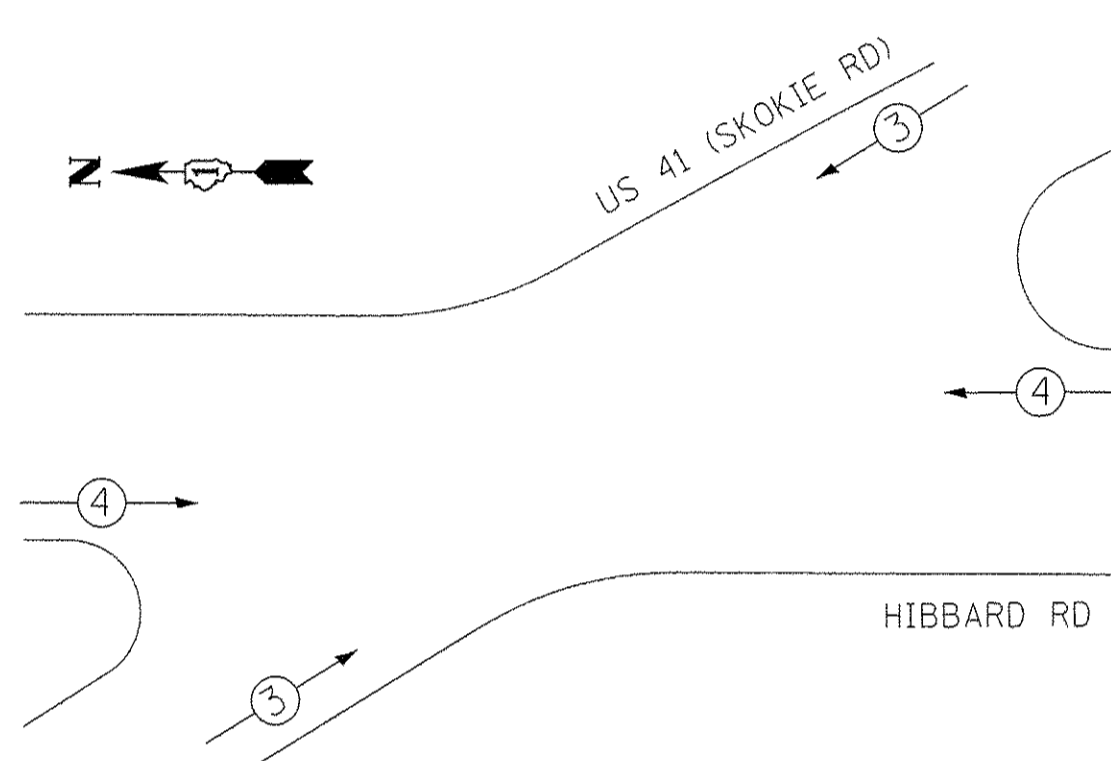
F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 81
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C76	

**TS 1535
ECON10**

PROPOSED CONTROLLER SEQUENCE

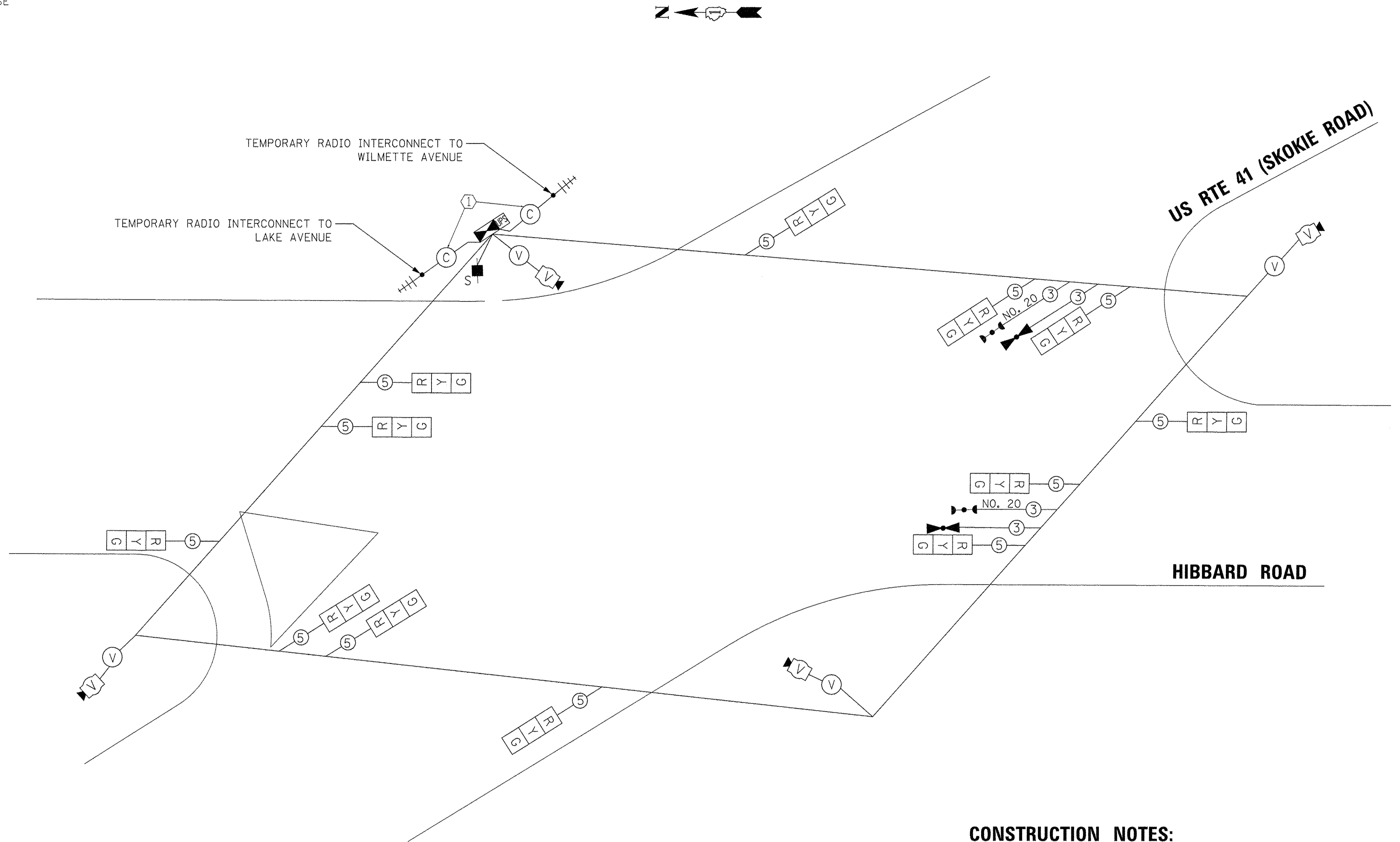


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PHASE DESIGNATION DIAGRAM LEGEND

- ⊛ DUAL ENTRY PHASE
- ⊞ SINGLE ENTRY PHASE
- ⊙ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



**TEMPORARY CABLE PLAN PRE-STAGE
(NOT TO SCALE)**

CONSTRUCTION NOTES:

① TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO WILMETTE/US 41 AND LAKE STREET/US 41 INTERSECTIONS ARE INSTALLED AND OPERATIONAL.

NOTE:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
ARROW	0	10	10	0.0
PED. SIGNAL	0	20	100	0.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				417.8

ENERGY COST TO:
VILLAGE OF WILMETTE
711 LARAMIE AVENUE
WILMETTE, IL 60091

ENERGY SUPPLY: CONTACT: CARLO F. CAVALLARO
PHONE: (847) 816-5368
COMPANY: COMMONWEALTH EDISON

TS SHT NO. 14
FILE NAME = F:\50044116\1900\Work\110\CHD\20-SHEETS\CHD-0128-TS014 - Temporary Cable Plan - Pre Stage.dgn



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 20,000' 1" = 1"	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

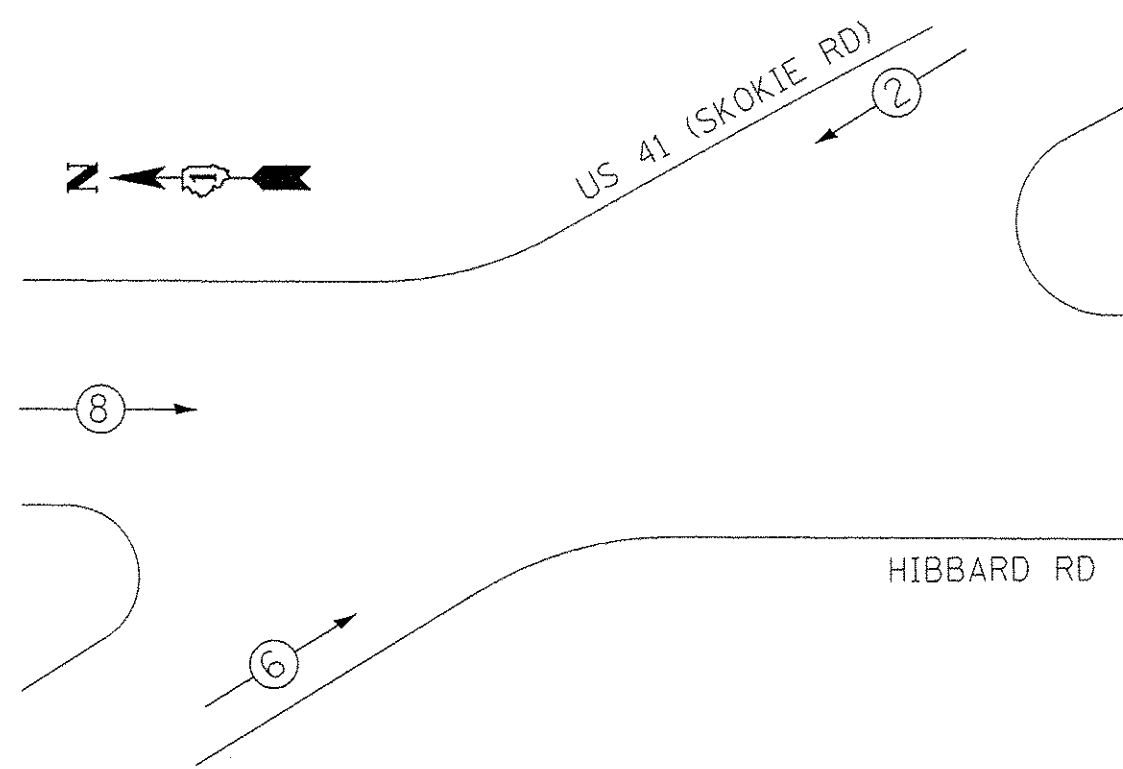
**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION
DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION
SEQUENCE U.S. 41 (SKOKIE RD) AT HIBBARD RD**

SCALE: NTS SHEET 6 OF 18 SHEETS STA. TO STA.

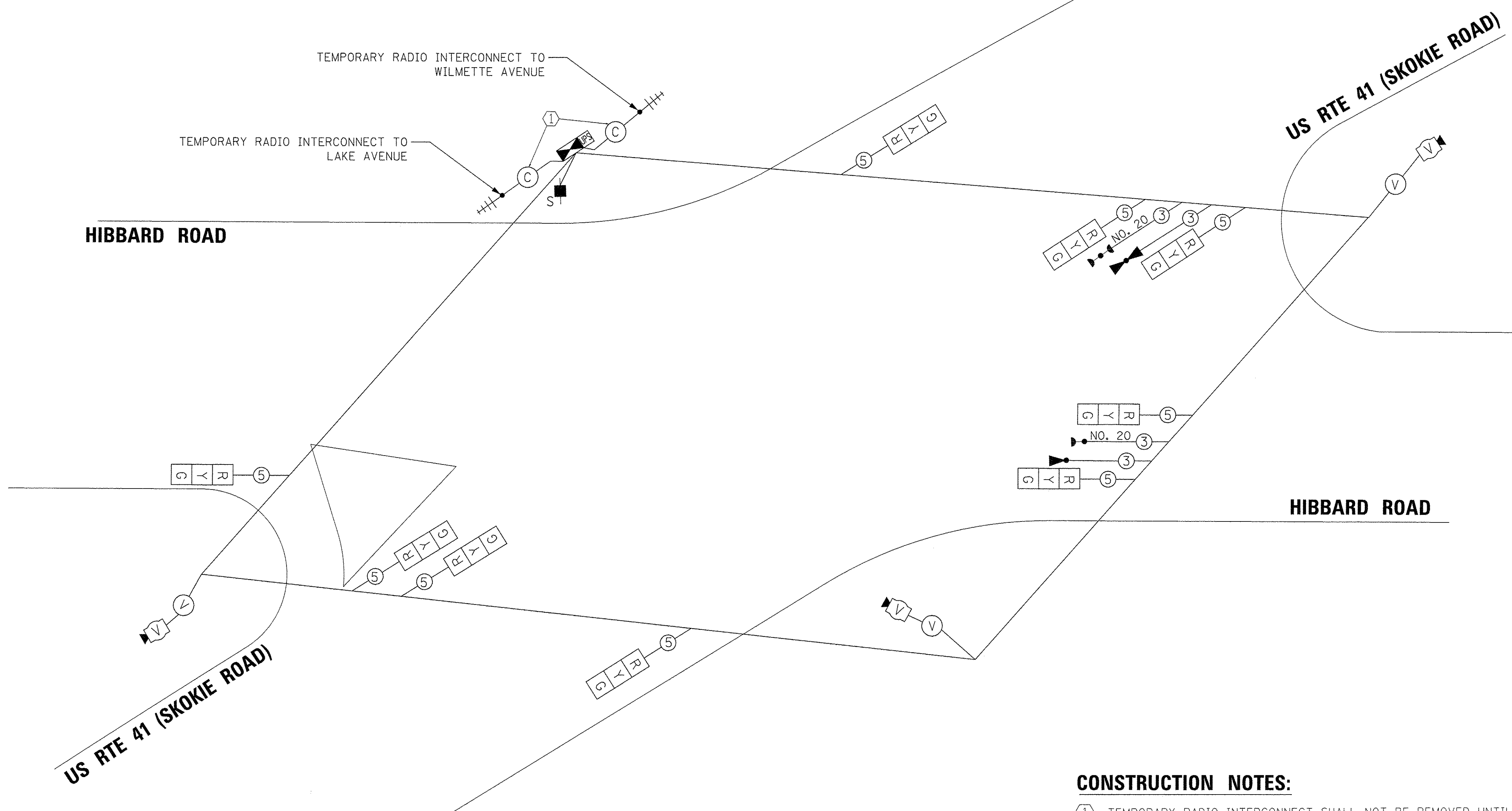
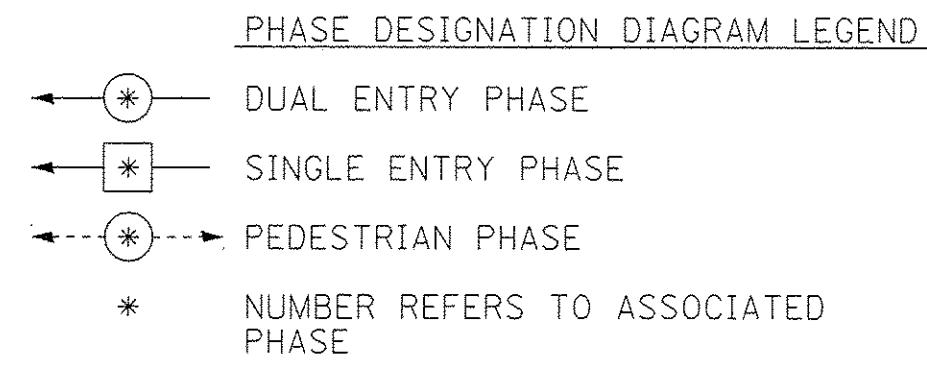
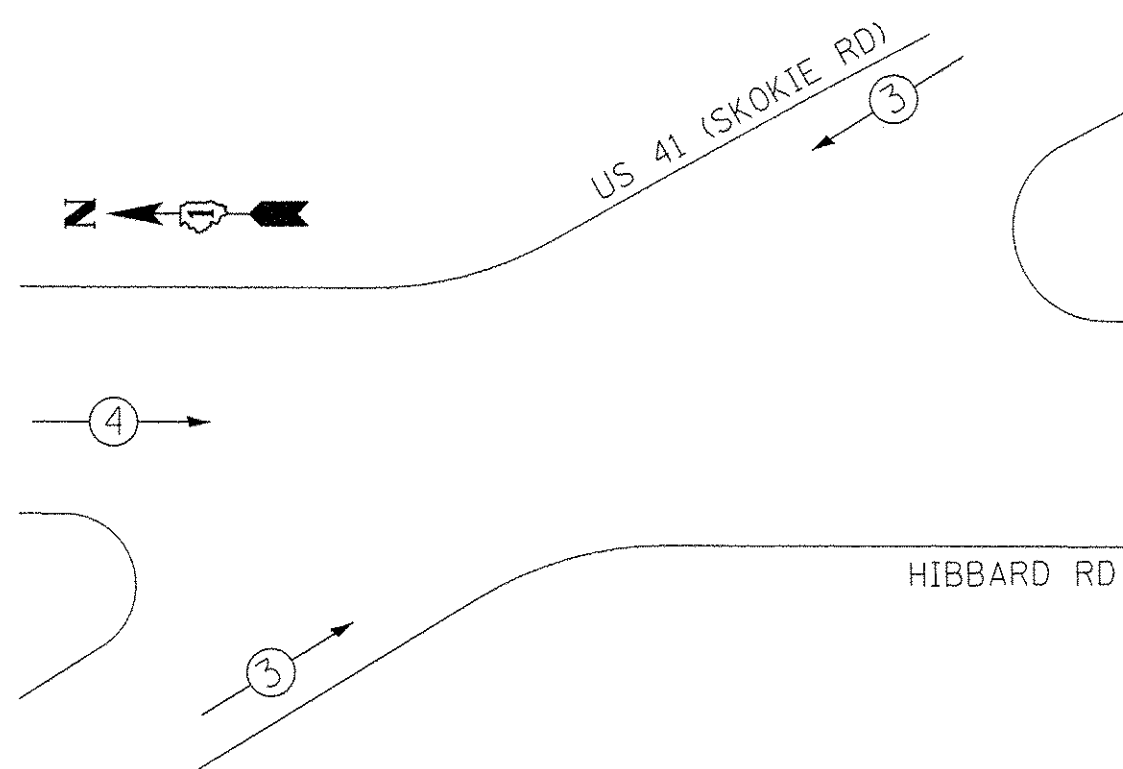
F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 82
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C76	

**TS 1535
ECON10**

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



**TEMPORARY CABLE PLAN STAGE 1, AND 2
(NOT TO SCALE)**

CONSTRUCTION NOTES:

① TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO WILMETTE/US 41 AND LAKE STREET/US 41 INTERSECTIONS ARE INSTALLED AND OPERATIONAL.

NOTE:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	9	12	45	48.6
ARROW	0	10	10	0.0
PED. SIGNAL	0	20	100	0.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				382.1

ENERGY COST TO:
VILLAGE OF WILMETTE
711 LARAMIE AVENUE
WILMETTE, IL 60091

ENERGY SUPPLY: CONTACT: CARLO F. CAVALLARO
PHONE: (847) 816-5368
COMPANY: COMMONWEALTH EDISON

TS SHT NO. 15

FILE NAME = P:\60444116\900\Work\A\918_CAD\20-SHEETS\CH12-0128-TS015- Temporary Cable Plan - Stage 1,2.dgn



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION
DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION
SEQUENCE U.S. 41 (SKOKIE RD) AT HIBBARD RD

SCALE: NTS SHEET 7 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 83
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				

TS 1535
ECON10



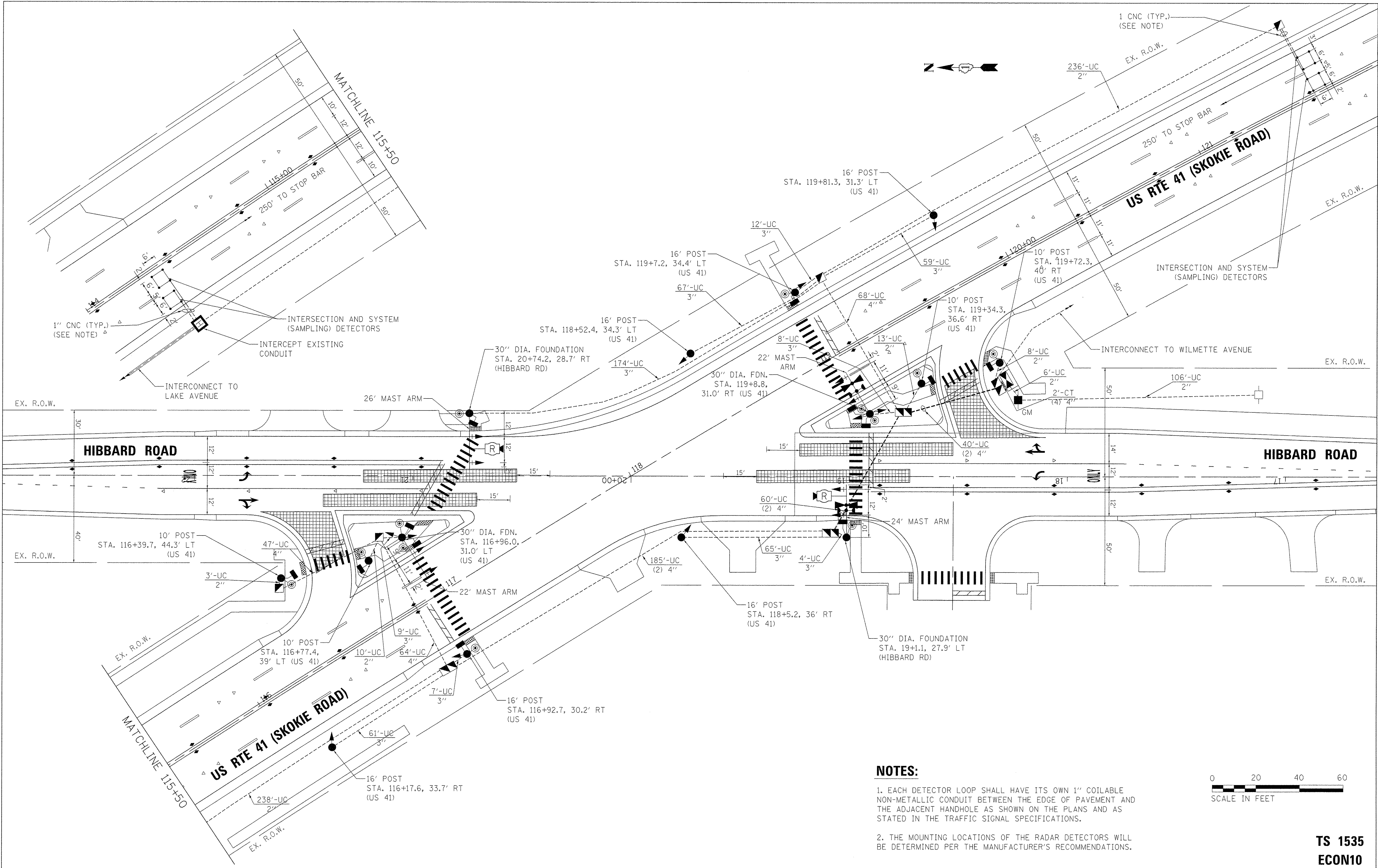
USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
U.S. 41 (SKOKIE RD) AT HIBBARD RD

SCALE: 1" = 20' SHEET 9 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 85
			CONTRACT NO. 61C76	
ILLINOIS FED. AID PROJECT				



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.



TS 1535
ECON10

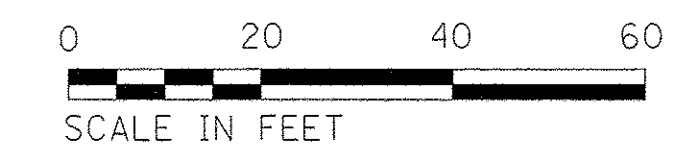
TS SHT NO. 18

FILE NAME = P:\6044116\1802\WORK\1802\CD\20-SHEETS\CH2-0128-TS018-Utility Plan.dgn



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 20,0000 1' / in.	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

FOR INFORMATION ONLY



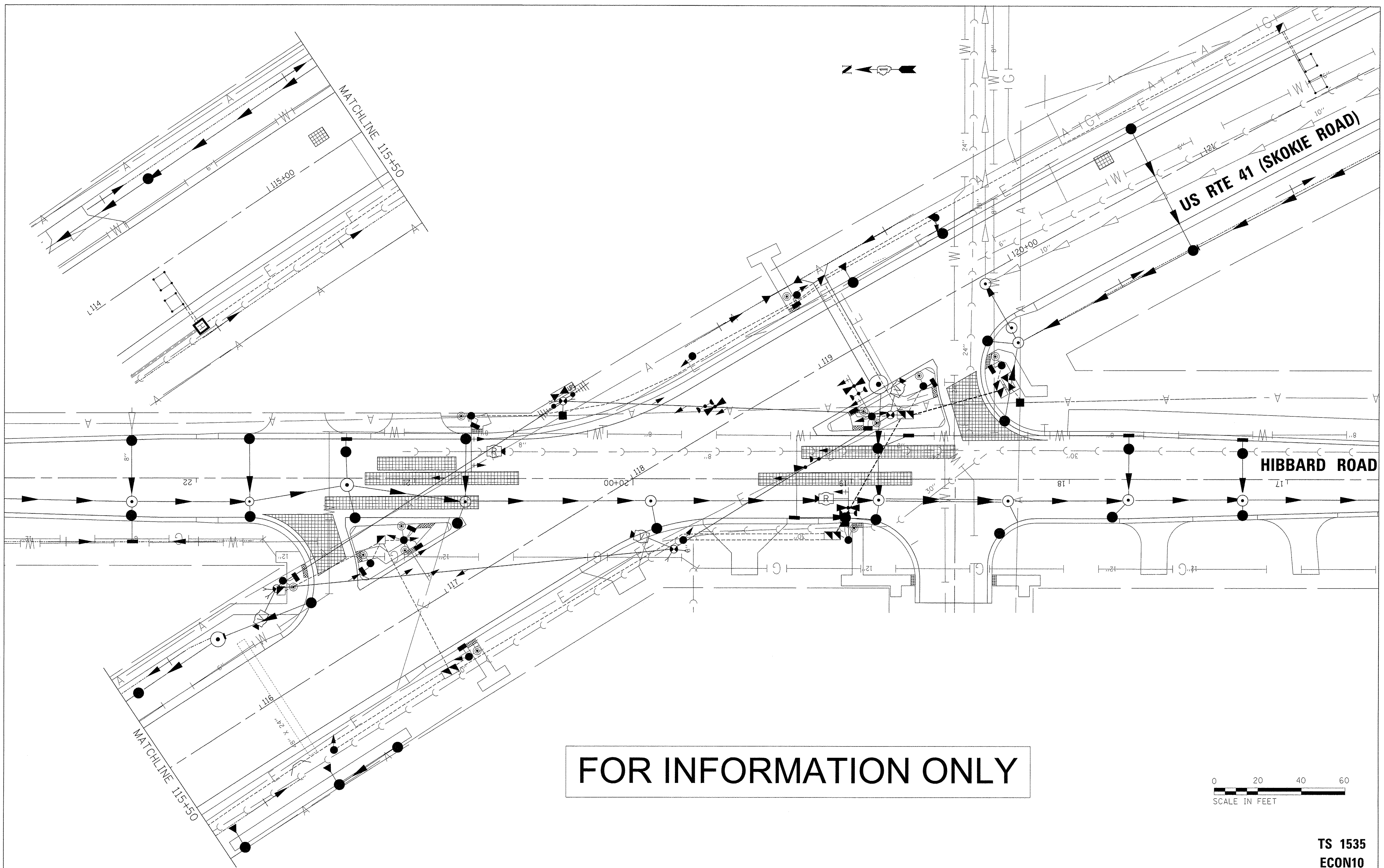
TS 1535
ECON10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

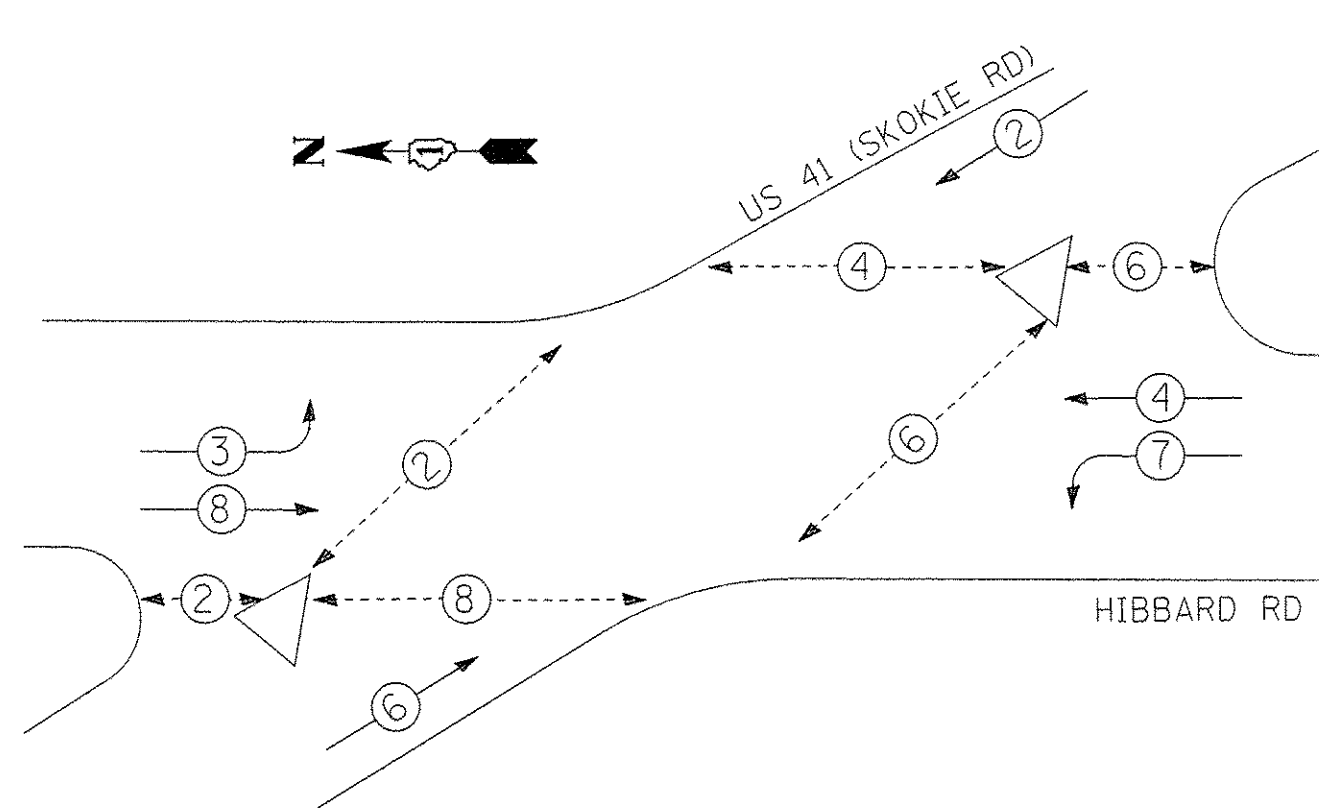
UTILITY PLAN
U.S. 41 (SKOKIE RD) AT HIBBARD RD

SCALE: 1" = 20' SHEET 10 OF 18 SHEETS STA. TO STA.

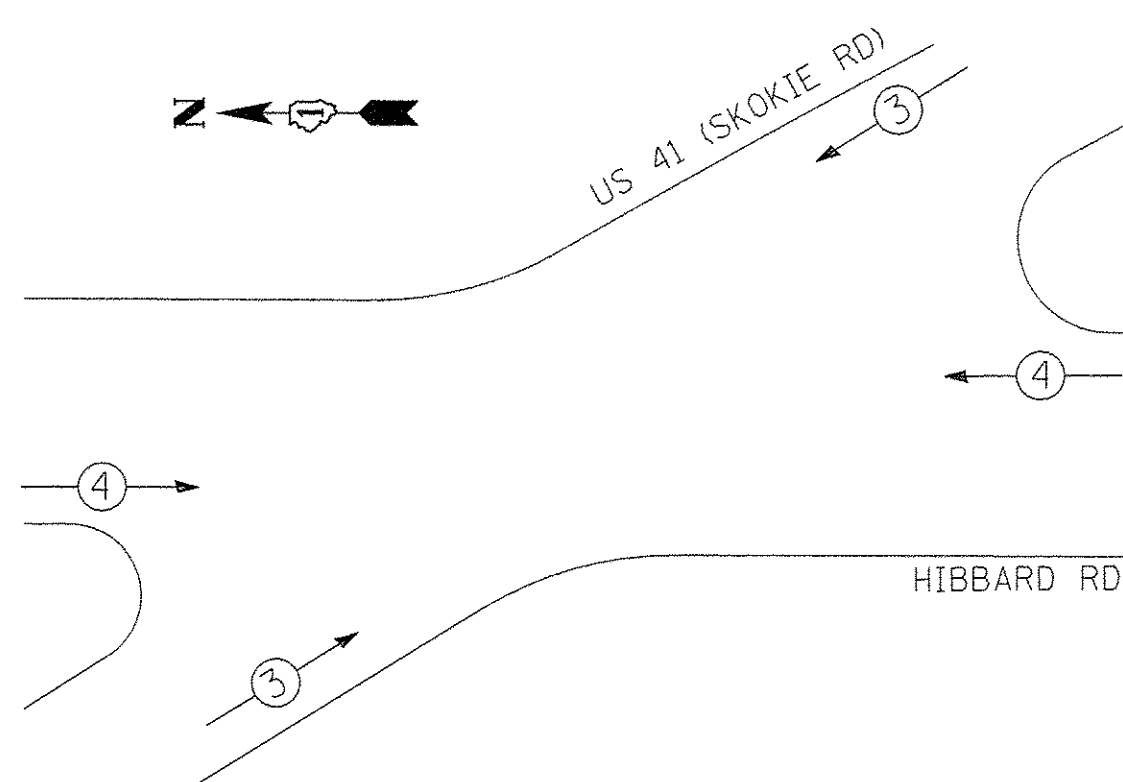
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	86
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				



PROPOSED CONTROLLER SEQUENCE

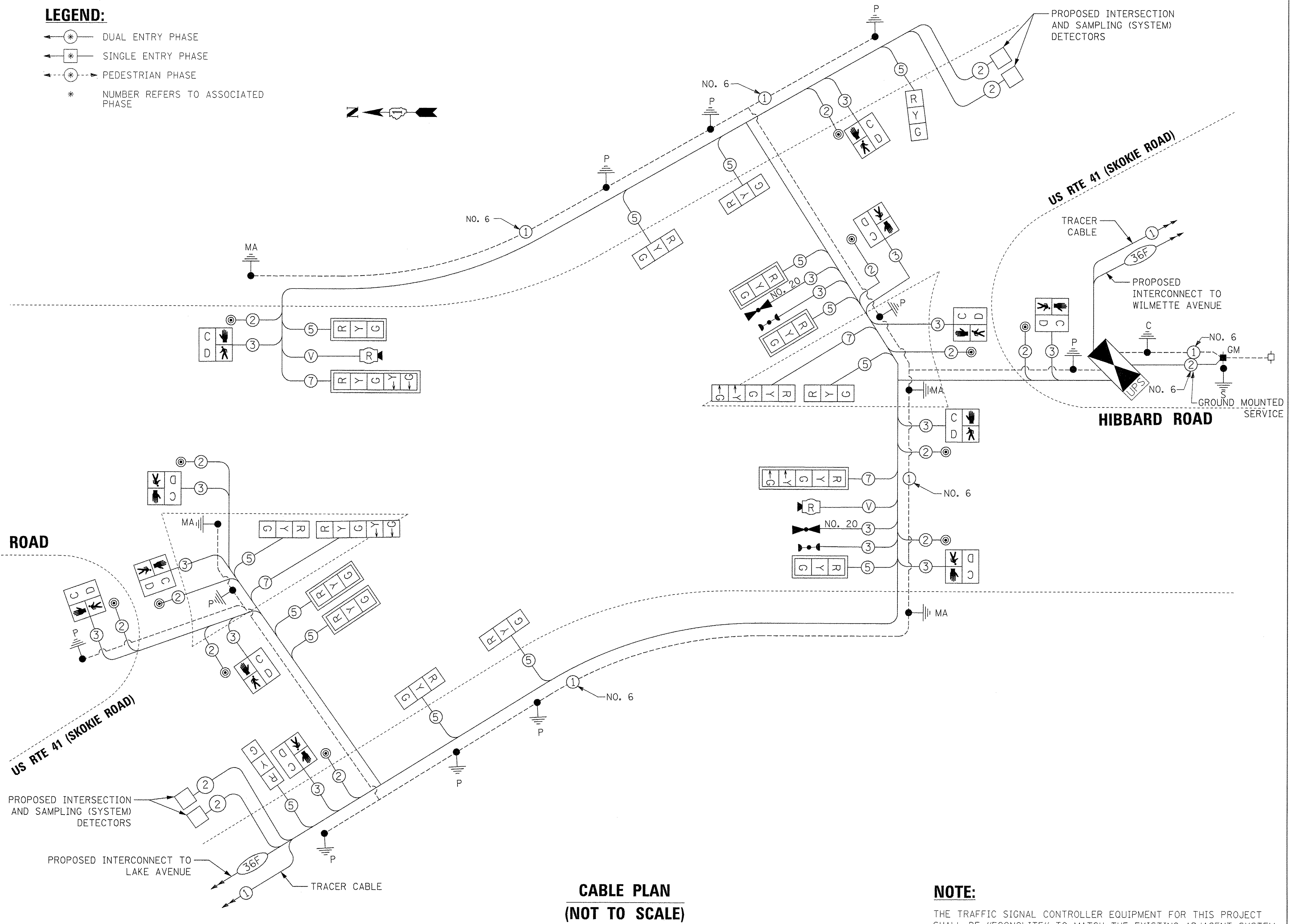


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ⊛ DUAL ENTRY PHASE
- ⊙ SINGLE ENTRY PHASE
- ⊙ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



**CABLE PLAN
(NOT TO SCALE)**

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
ARROW	8	10	10	8.0
PED. SIGNAL	12	20	100	240.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				587.2

ENERGY COST TO:
VILLAGE OF WILMETTE
711 LARAMIE AVENUE
WILMETTE, IL 60091

ENERGY SUPPLY: CONTACT: CARLO F. CAVALLARO
PHONE: (847) 816-5368
COMPANY: COMMONWEALTH EDISON

TS SHT NO. 19

FILE NAME = P:\180444116\900-Work\910-CAD\20-SHEETS\CH12-0128-TS019-Traffic Signal Cable Plan.dgn



USER NAME = andy.becker
DRAWN - ZGJ
CHECKED - MJL
PLOT DATE = 12/12/2016

DESIGNED - ZGJ
REVISED -
DATE - 7/28/2016

REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

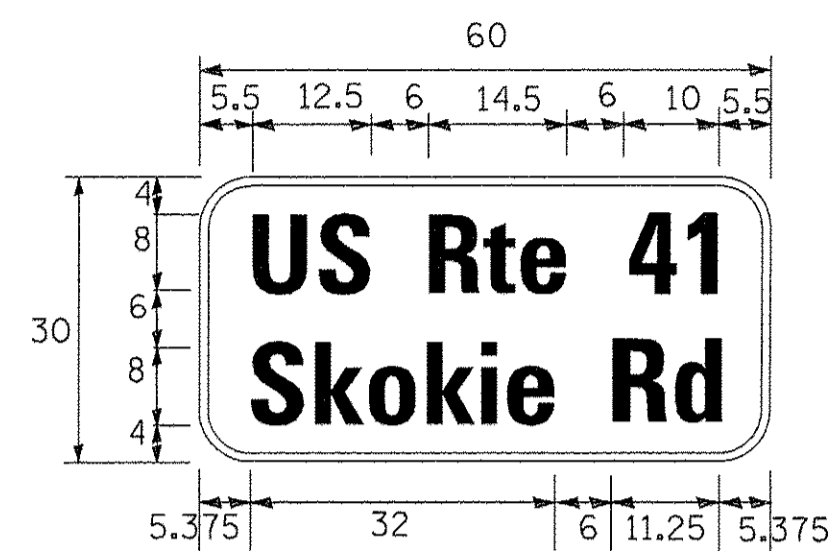
**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
U.S. 41 (SKOKIE RD) AT HIBBARD RD**

SCALE: NTS SHEET 11 OF 18 SHEETS STA. TO STA.

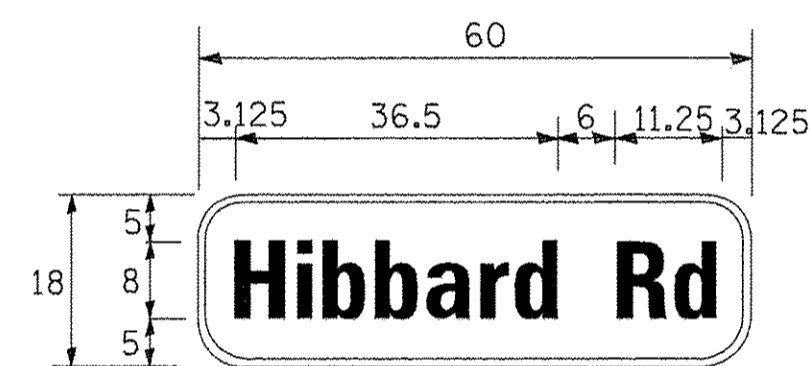
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	87
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

**TS 1535
ECON10**

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	25
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	620
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	466
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	757
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,130
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,532
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,916
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,107
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,943
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	24
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,264
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	44
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	130
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	12
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	318
INTERCEPT EXISTING CONDUIT	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TS SHT NO. 20
 FILE NAME = F:\A6044115\5902_Moock\19100_CAD\20-SHEETS\CH2-0128-15620- MA Street Name Sign and SDD.dgn



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
	DRAWN - ZGJ	REVISED -
PLOT SCALE = 28.00000 ' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/17/2017	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGN AND
SCHEDULE OF QUANTITIES
U.S. 41 (SKOKIE RD) AT HIBBARD RD

SCALE: NTS SHEET 12 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	88
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

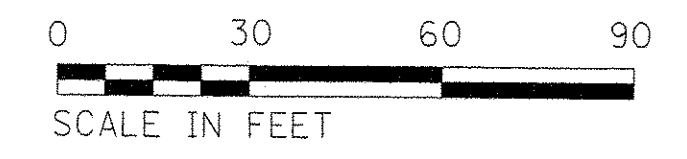
TS 1535
ECON10

TEMPORARY RADIO INTERCONNECT TO HIBBARD ROAD

LAKE STREET

US RTE 41 (SKOKIE ROAD)

MATCH LINE STA. 112+00



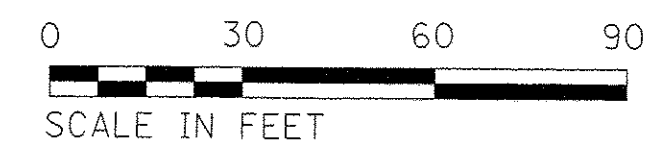
HIBBARD ROAD

TEMPORARY RADIO INTERCONNECT TO LAKE AVENUE

TEMPORARY RADIO INTERCONNECT TO WILMETTE AVENUE

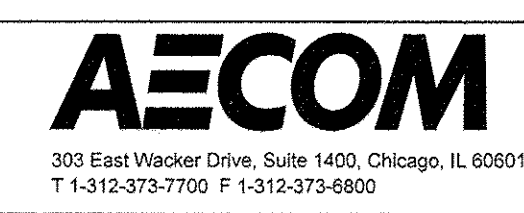
US RTE 41 (SKOKIE ROAD)

MATCH LINE STA. 120+85



TS SHT NO. 21

FILE NAME = F:\60444118\100_VorA\10_CAD\20-SHEETS\CHIZ-0128-TS021-Temporary Interconnect Plan081.dgn



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 30.0000 1/ in.	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

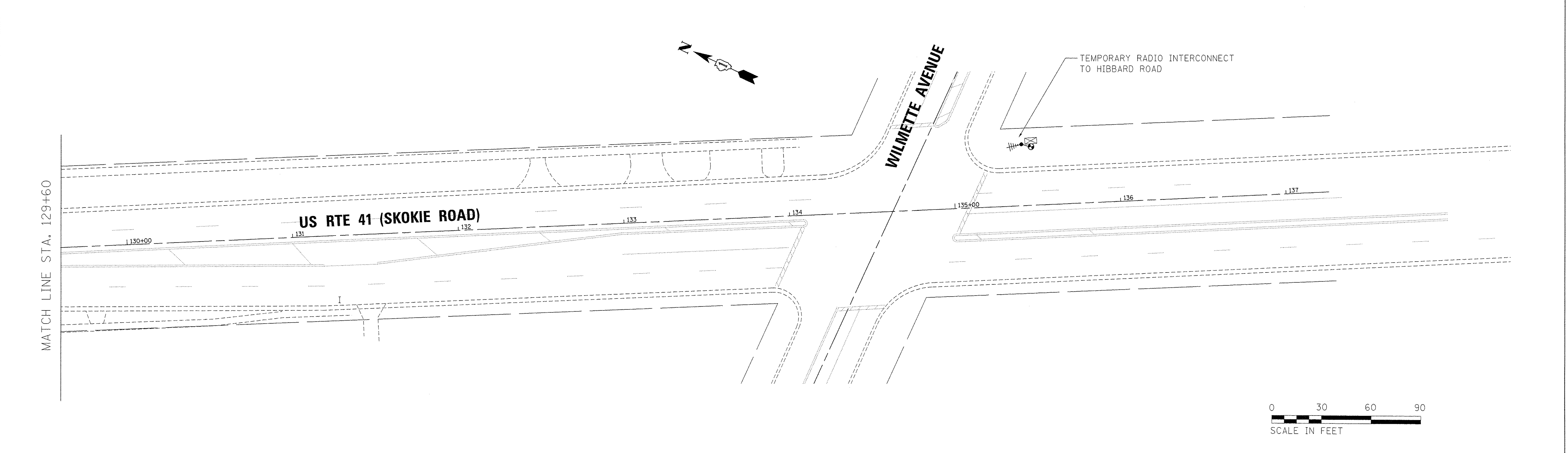
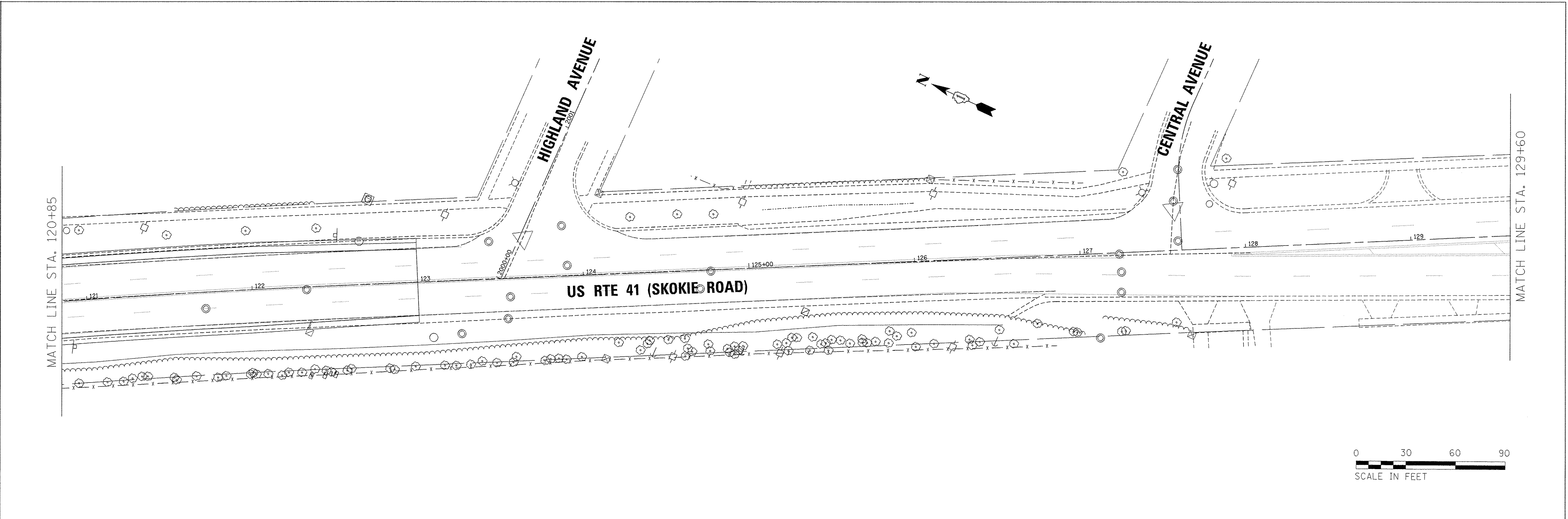
TEMPORARY INTERCONNECT PLAN (SHEET 1 OF 2)
U.S. 41 (SKOKIE RD) AT HIBBARD RD

SCALE: 1" = 30' SHEET 13 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	89
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

ECON10

TS SHT NO. 22
 FILE NAME = F:\6044\116\900\Work\A\910\CAD\20-SHEETS\CH12-0128-TS022- Temporary Interconnect Plan.dwg



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 30.0000' / 1"	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

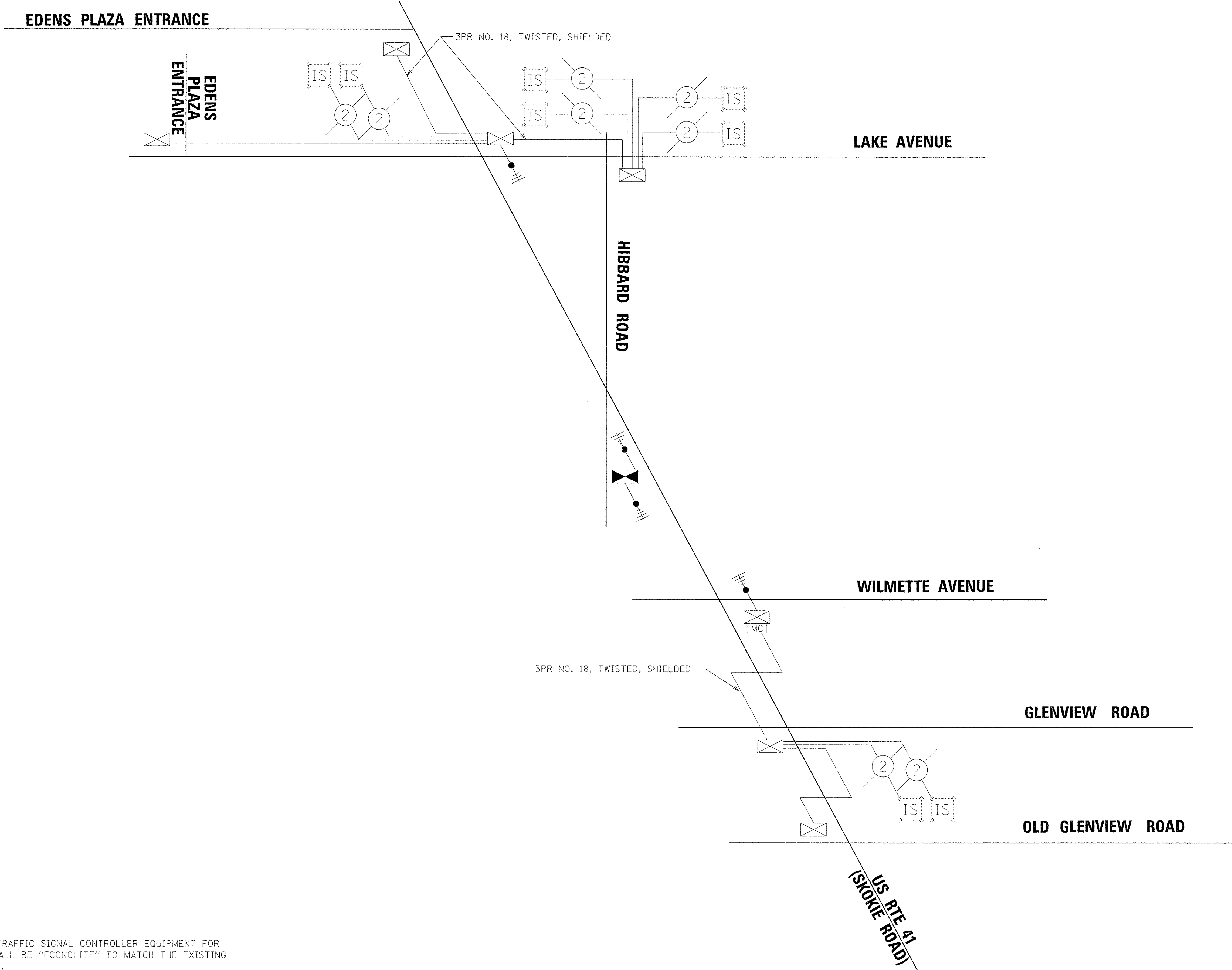
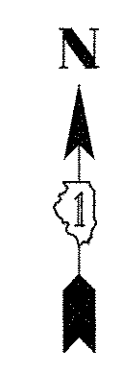
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN (SHEET 2 OF 2)
 U.S. 41 (SKOKIE RD) AT HIBBARD RD

SCALE: 1" = 30' SHEET 14 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 90
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

ECON10



NOTE:
 THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR
 THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING
 ADJACENT SYSTEM.

TS SHT NO. 23
 FILE NAME = F:\60444118\000_V000_V000_V000\CAD\20-SHEETS\CH12-0128-TS023- Temporary Interconnect Schematic.dgn



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 30,000/00' / in.	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

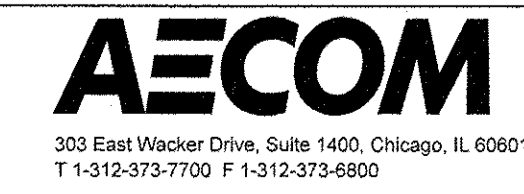
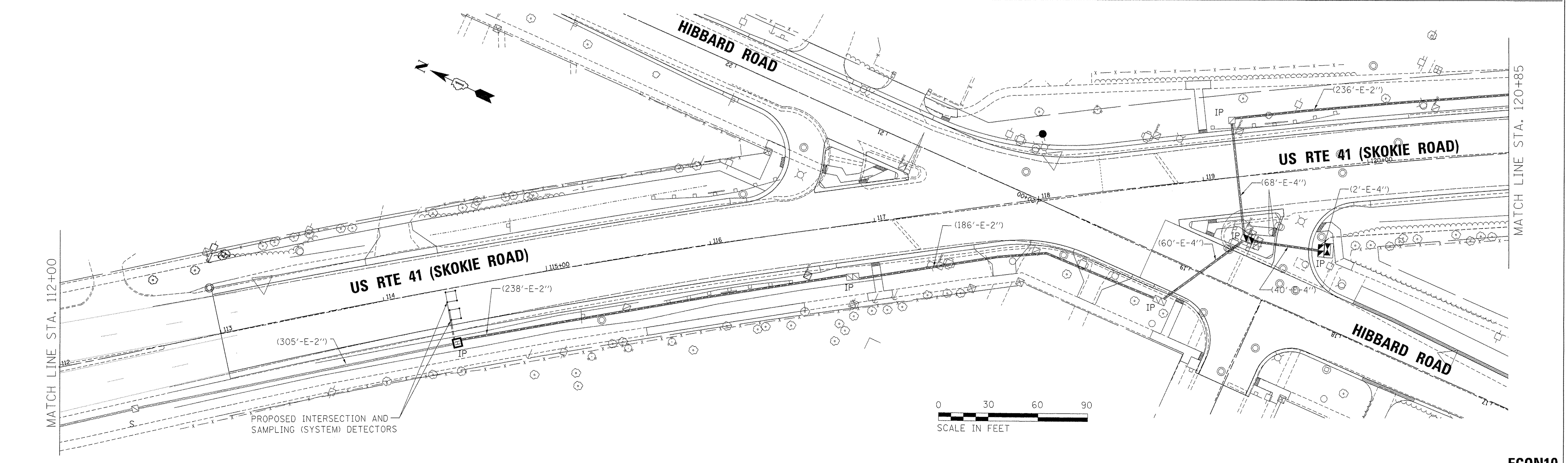
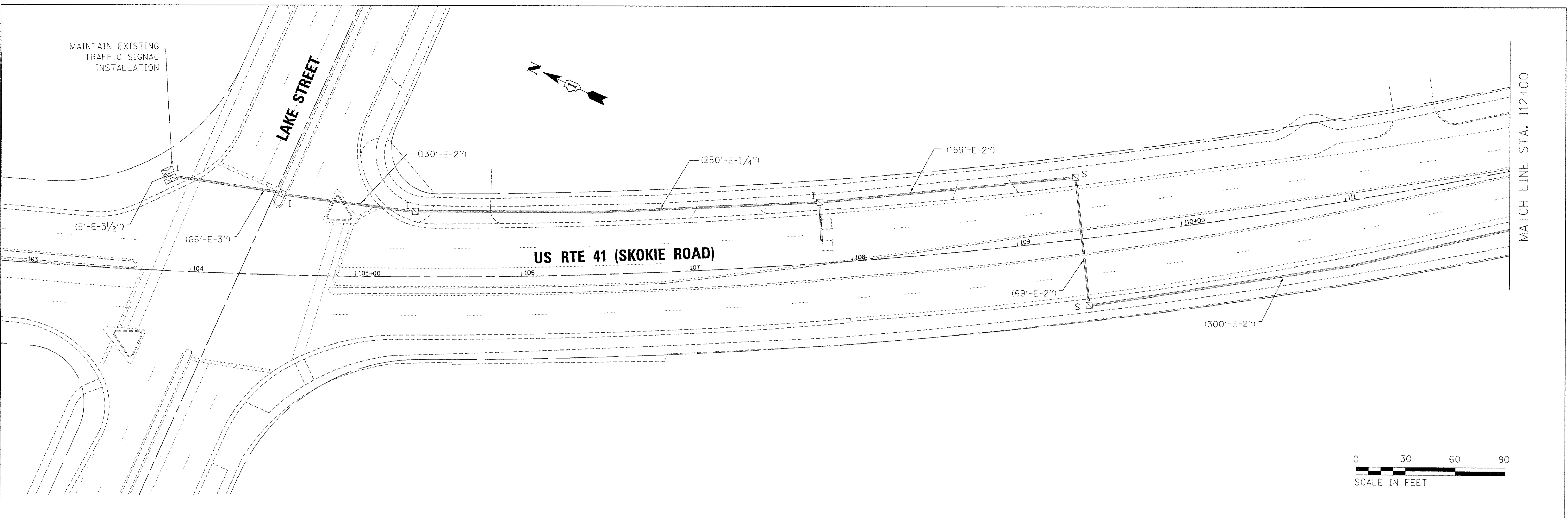
TEMPORARY INTERCONNECT SCHEMATIC
U.S. 41 (SKOKIE RD) AT HIBBARD RD

SCALE: SHEET 15 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	91
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

ECON10

TS SHT NO. 24
 FILE NAME = F:\58444116\900_Mer-K\910_CAD\20-SHEET\TS\CH2-0128-TS024-Interconnect_Plan01.dgn



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 38.0000 ' / in.	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

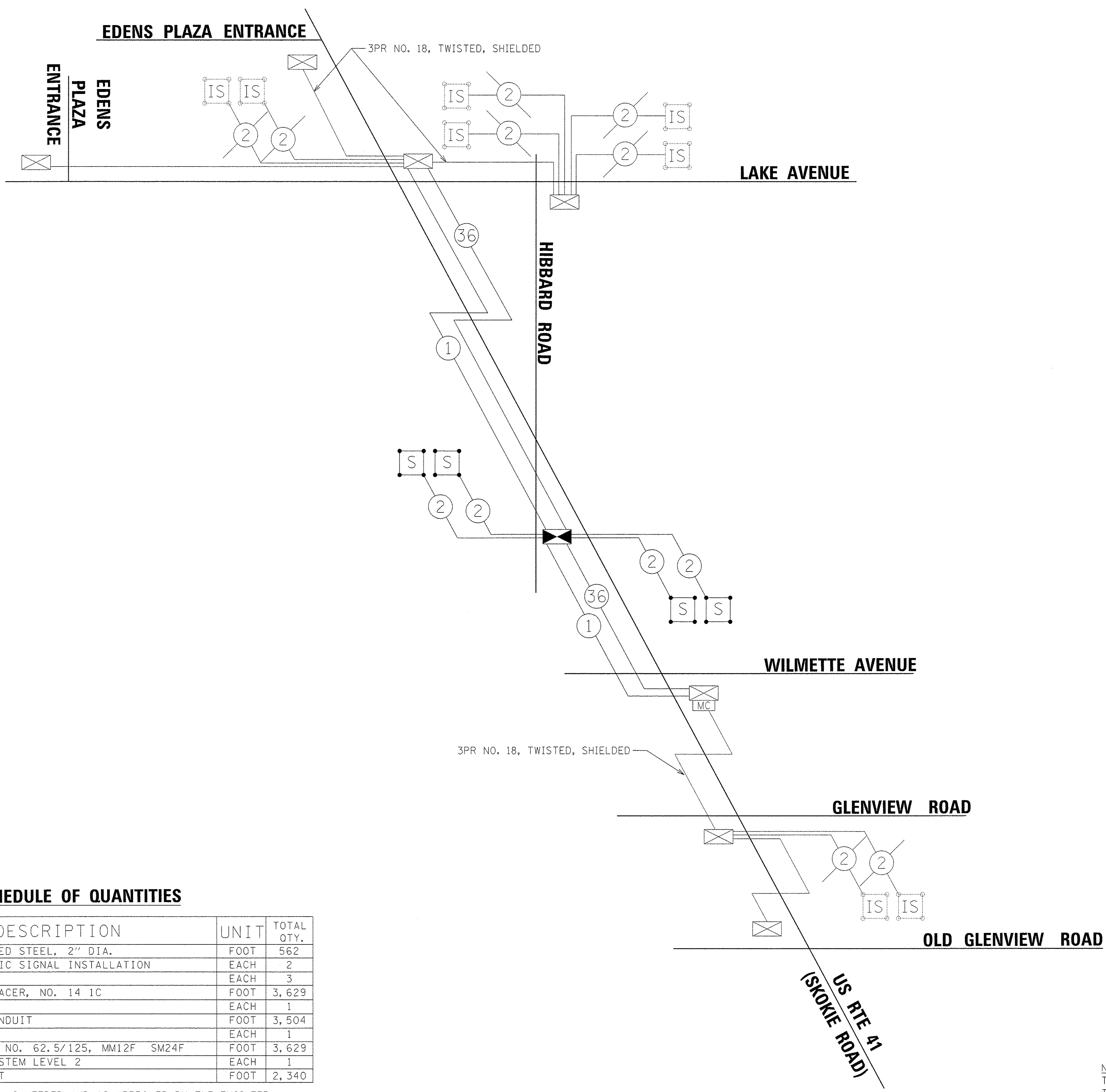
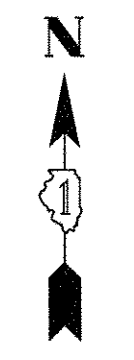
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN (SHEET 1 OF 2)
 U.S. 41 (SKOKIE RD) AT HIBBARD RD**

SCALE: 1" = 30' SHEET 16 OF 18 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 92
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

ECON10



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	562
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,629
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3,504
REMOVE EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3,629
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	2,340

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

NOTE:
THE PROPOSED TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS SHT NO. 26
FILE NAME = F:\69444116\900_Vor\A\910_CAD\20-SHEETS\CH12-0128-TS026-Traffic Signal Interconnect Schematic.dgn



USER NAME = andy.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 30,0000 1 / in.	DRAWN - ZGJ	REVISED -
PLOT DATE = 12/12/2016	CHECKED - MJL	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC AND
SCHEDULE OF QUANTITIES
U.S. 41 (SKOKIE RD) AT HIBBARD RD**

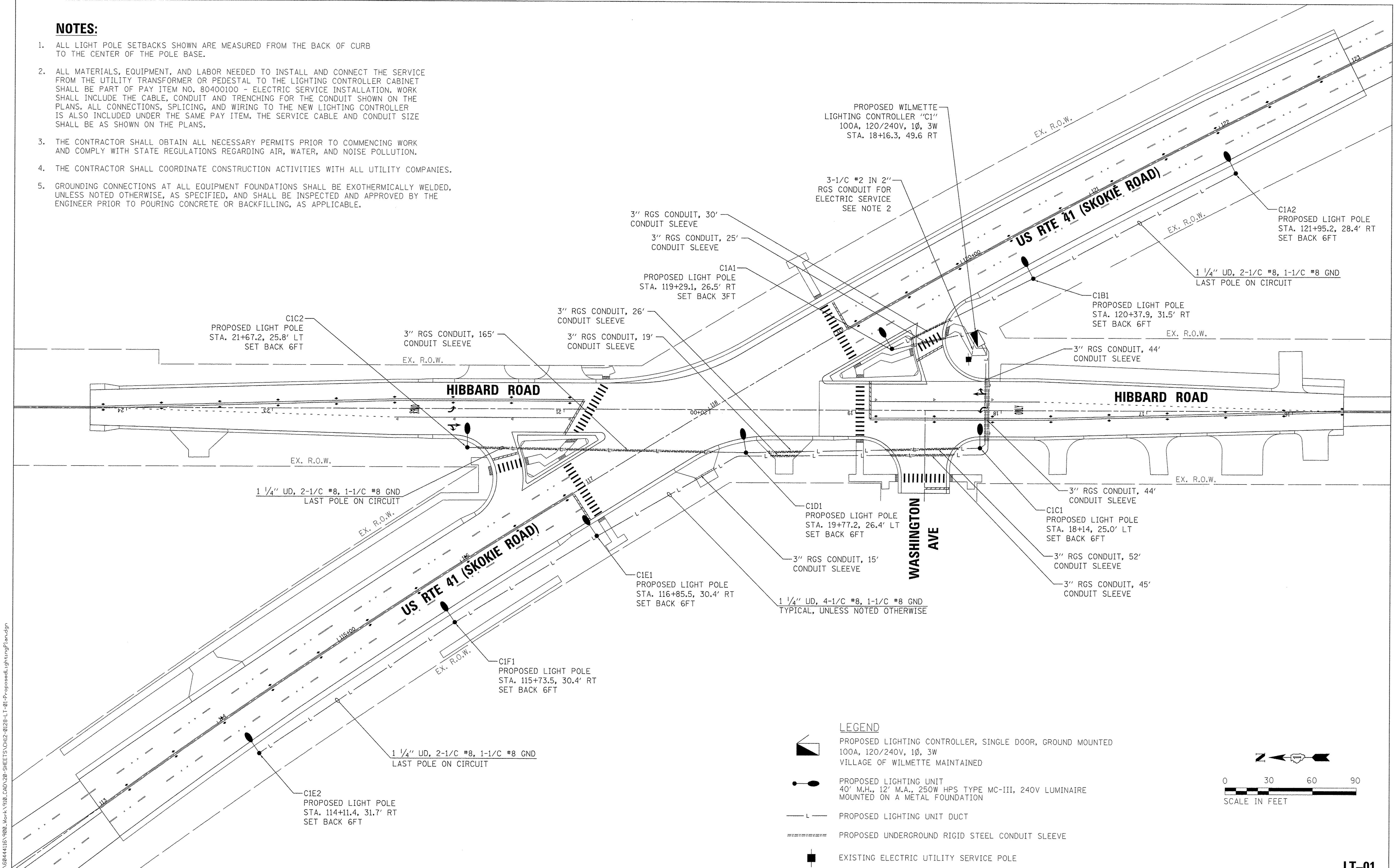
SCALE: NTS SHEET 18 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	94
CONTRACT NO. 61C76			ILLINOIS FED. AID PROJECT	

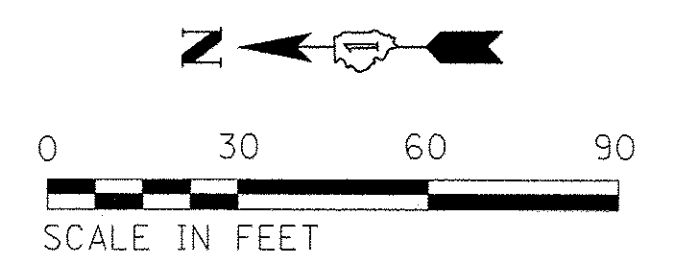
ECON10

NOTES:

1. ALL LIGHT POLE SETBACKS SHOWN ARE MEASURED FROM THE BACK OF CURB TO THE CENTER OF THE POLE BASE.
2. ALL MATERIALS, EQUIPMENT, AND LABOR NEEDED TO INSTALL AND CONNECT THE SERVICE FROM THE UTILITY TRANSFORMER OR PEDESTAL TO THE LIGHTING CONTROLLER CABINET SHALL BE PART OF PAY ITEM NO. 80400100 - ELECTRIC SERVICE INSTALLATION. WORK SHALL INCLUDE THE CABLE, CONDUIT AND TRENCHING FOR THE CONDUIT SHOWN ON THE PLANS. ALL CONNECTIONS, SPLICING, AND WIRING TO THE NEW LIGHTING CONTROLLER IS ALSO INCLUDED UNDER THE SAME PAY ITEM. THE SERVICE CABLE AND CONDUIT SIZE SHALL BE AS SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING WORK AND COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES.
5. GROUNDING CONNECTIONS AT ALL EQUIPMENT FOUNDATIONS SHALL BE EXOTHERMICALLY WELDED, UNLESS NOTED OTHERWISE, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.



- LEGEND**
- PROPOSED LIGHTING CONTROLLER, SINGLE DOOR, GROUND MOUNTED
100A, 120/240V, 1Ø, 3W
VILLAGE OF WILMETTE MAINTAINED
 - PROPOSED LIGHTING UNIT
40' M.H., 12' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE
MOUNTED ON A METAL FOUNDATION
 - PROPOSED LIGHTING UNIT DUCT
 - PROPOSED UNDERGROUND RIGID STEEL CONDUIT SLEEVE
 - EXISTING ELECTRIC UTILITY SERVICE POLE



FILE NAME = P:\60444\115\9100_0000_0310_CAD\20-SHEETS\CHI2-0128-LT-01-ProposedLightingPlan.dgn



USER NAME = andy.becker	DESIGNED - MAE	REVISED -
PLOT SCALE = 30.0000' / 1"	DRAWN - CM	REVISED -
PLOT DATE = 1/17/2017	CHECKED - WDS	REVISED -
	DATE - 7/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

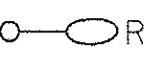

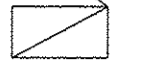


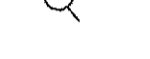
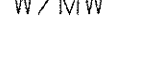
**PROPOSED LIGHTING PLAN
U.S. 41 (SKOKIE RD) AT HIBBARD RD**

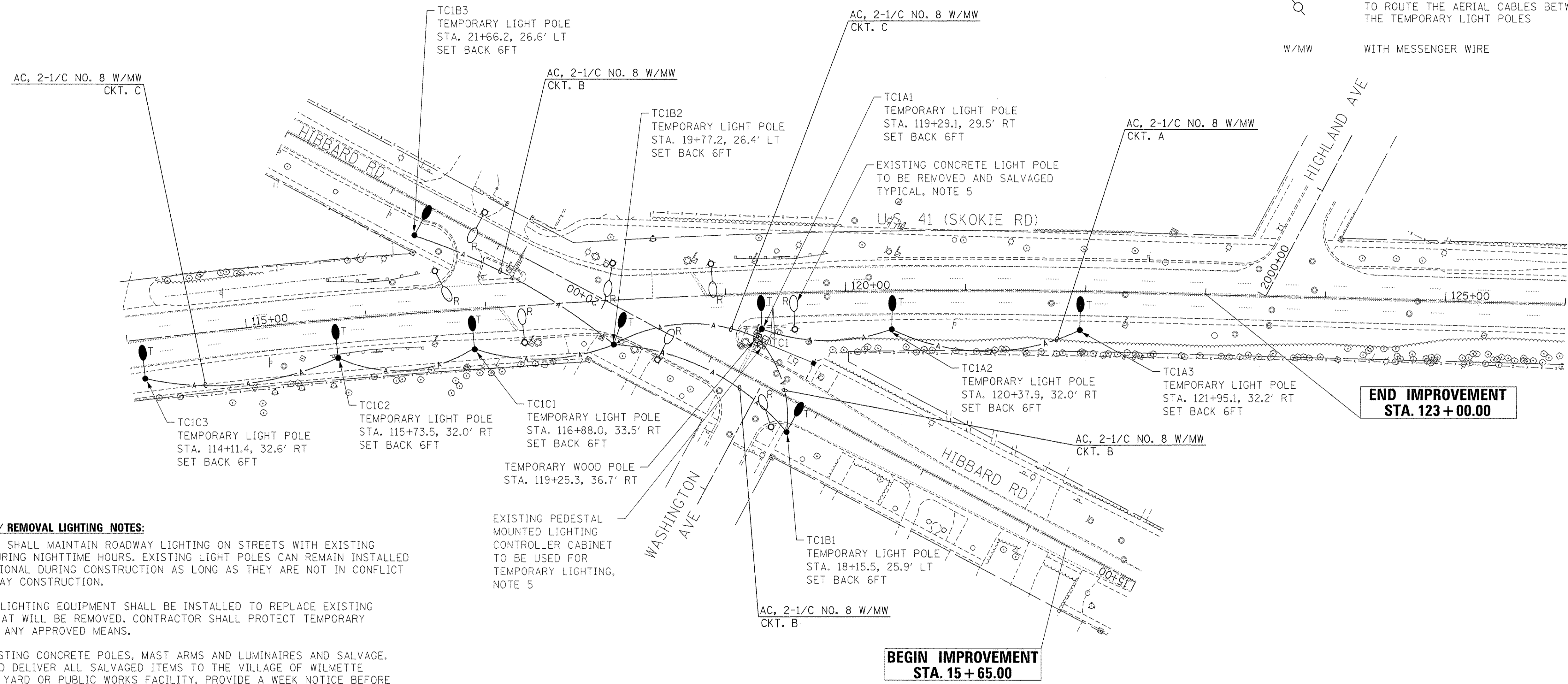
SCALE: 1" = 30' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 95
				CONTRACT NO. 61C76
ILLINOIS FED. AID PROJECT				

LT-01

LEGEND

-  EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
20' M.H. EMBEDDED CONCRETE POLE, 8' M.A., 250W HPS LUMINAIRE
-  TEMPORARY LIGHTING UNIT
40' M.H., 50' WOOD POLE, 15' M.A., 250W HPS LUMINAIRE
-  EXISTING LIGHTING CONTROLLER CABINET WITH PEDESTAL
TO BE RELOCATED AND USED FOR TEMPORARY LIGHTING
REMOVE AND SALVAGE AFTER CONSTRUCTION
VILLAGE OF WILMETTE MAINTAINED
-  EXISTING ELECTRIC SERVICE POLE WITH MOUNTED TRANSFORMER
-  AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE
-  TEMPORARY WOOD POLE, 50', INSTALLED NEAR RELOCATED CONTROLLER
TO ROUTE THE AERIAL CABLES BETWEEN THE RELOCATED CABINET AND
THE TEMPORARY LIGHT POLES
-  W/MW WITH MESSENGER WIRE



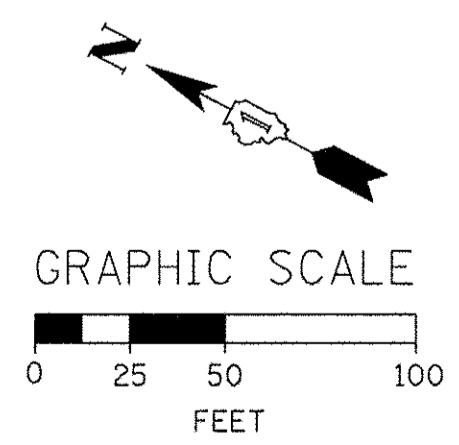
TEMPORARY / REMOVAL LIGHTING NOTES:

1. CONTRACTOR SHALL MAINTAIN ROADWAY LIGHTING ON STREETS WITH EXISTING LIGHTING DURING NIGHTTIME HOURS. EXISTING LIGHT POLES CAN REMAIN INSTALLED AND OPERATIONAL DURING CONSTRUCTION AS LONG AS THEY ARE NOT IN CONFLICT WITH ROADWAY CONSTRUCTION.
2. TEMPORARY LIGHTING EQUIPMENT SHALL BE INSTALLED TO REPLACE EXISTING LIGHTING THAT WILL BE REMOVED. CONTRACTOR SHALL PROTECT TEMPORARY POLES WITH ANY APPROVED MEANS.
3. REMOVE EXISTING CONCRETE POLES, MAST ARMS AND LUMINAIRES AND SALVAGE. PACKAGE AND DELIVER ALL SALVAGED ITEMS TO THE VILLAGE OF WILMETTE DESIGNATED YARD OR PUBLIC WORKS FACILITY. PROVIDE A WEEK NOTICE BEFORE DELIVERY DATE.
4. FURNISH AND INSTALL NEW WOOD POLES, MAST ARMS, LUMINAIRES, AND AERIAL CABLES FOR TEMPORARY LIGHTING AS SHOWN. INSTALL NEW MAST ARMS AND LUMINAIRES IN THE ORIENTATION SHOWN.
5. REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER CABINET AWAY FROM CONSTRUCTION CONFLICTS, AND REUSE TO POWER AND CONTROL THE TEMPORARY LIGHTING. REUSE EXISTING WIRING FOR TEMPORARY CONDITIONS ONLY. ALL MATERIALS AND LABOR ASSOCIATED WITH THIS WORK SHALL BE PAID FOR UNDER PAY ITEM "REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER"; NO OTHER COMPENSATION WILL BE ALLOWED.
6. FURNISH AND INSTALL TEMPORARY LIGHTING UNITS IN THE LOCATIONS SHOWN. WIRE TEMPORARY LIGHTING USING AERIAL CABLES AND FEED FROM RELOCATED EXISTING LIGHTING CABINET.
7. PROPOSED LOCATIONS OF TEMPORARY LIGHTING UNITS MUST BE COORDINATED WITH OTHER CONSTRUCTION WORK, UTILITIES AND PROJECT STAGING. ANY ADJUSTMENTS TO THE POLE LOCATIONS TO AVOID CONFLICTS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST.

EXISTING PEDESTAL MOUNTED LIGHTING CONTROLLER CABINET TO BE USED FOR TEMPORARY LIGHTING, NOTE 5

**END IMPROVEMENT
STA. 123 + 00.00**

**BEGIN IMPROVEMENT
STA. 15 + 65.00**



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USER NAME = andy.becker	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - CM	REVISED -
PLOT DATE = 1/17/2017	CHECKED - WDS	REVISED -
	DATE - 7/28/2016	REVISED -

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DEPARTMENT OF TRANSPORTATION**

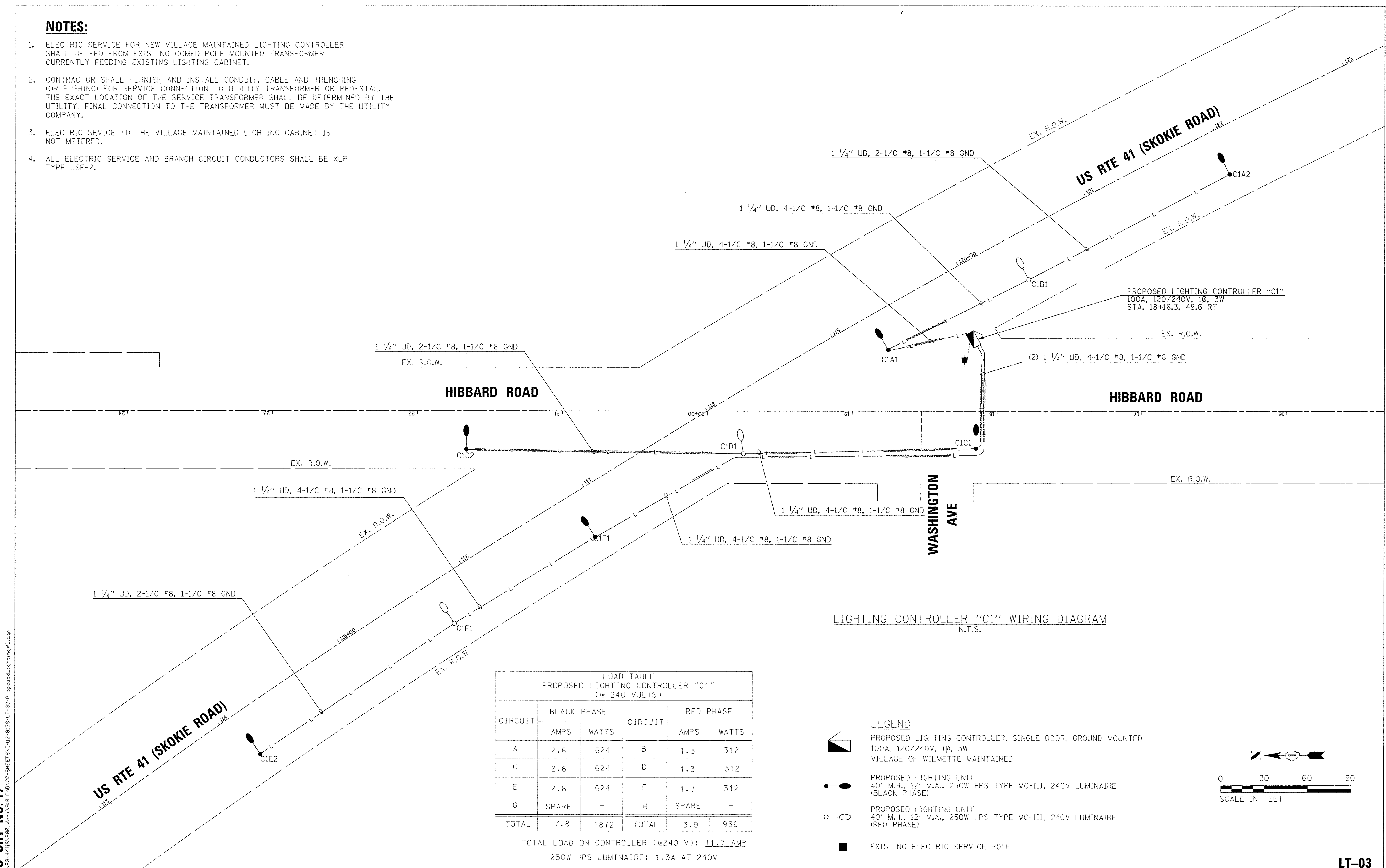
TEMPORARY LIGHTING AND REMOVAL PLAN ALL STAGES			
SCALE: 1" = 50'	SHEET 2 OF 3 SHEETS	STA. 114+00 TO STA. 126+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	96
CONTRACT NO. 61C76				
ILLINOIS FED. AID PROJECT				

LT-02

NOTES:

- ELECTRIC SERVICE FOR NEW VILLAGE MAINTAINED LIGHTING CONTROLLER SHALL BE FED FROM EXISTING COMED POLE MOUNTED TRANSFORMER CURRENTLY FEEDING EXISTING LIGHTING CABINET.
- CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, CABLE AND TRENCHING (OR PUSHING) FOR SERVICE CONNECTION TO UTILITY TRANSFORMER OR PEDESTAL. THE EXACT LOCATION OF THE SERVICE TRANSFORMER SHALL BE DETERMINED BY THE UTILITY. FINAL CONNECTION TO THE TRANSFORMER MUST BE MADE BY THE UTILITY COMPANY.
- ELECTRIC SERVICE TO THE VILLAGE MAINTAINED LIGHTING CABINET IS NOT METERED.
- ALL ELECTRIC SERVICE AND BRANCH CIRCUIT CONDUCTORS SHALL BE XLP TYPE USE-2.



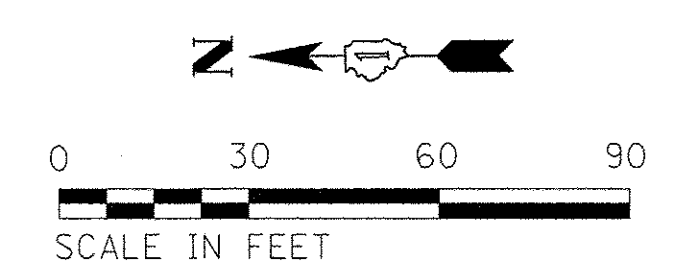
LIGHTING CONTROLLER "C1" WIRING DIAGRAM
N.T.S.

LOAD TABLE
PROPOSED LIGHTING CONTROLLER "C1"
(@ 240 VOLTS)

CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	2.6	624	B	1.3	312
C	2.6	624	D	1.3	312
E	2.6	624	F	1.3	312
G	SPARE	-	H	SPARE	-
TOTAL	7.8	1872	TOTAL	3.9	936

TOTAL LOAD ON CONTROLLER (@240 V): 11.7 AMP
250W HPS LUMINAIRE: 1.3A AT 240V

- LEGEND**
- PROPOSED LIGHTING CONTROLLER, SINGLE DOOR, GROUND MOUNTED 100A, 120/240V, 1Ø, 3W VILLAGE OF WILMETTE MAINTAINED
 - PROPOSED LIGHTING UNIT 40' M.H., 12' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE (BLACK PHASE)
 - PROPOSED LIGHTING UNIT 40' M.H., 12' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE (RED PHASE)
 - EXISTING ELECTRIC SERVICE POLE



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	DATE - 7/28/2016	REVISED -

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**PROPOSED LIGHTING WIRING DIAGRAM
U.S. 41 (SKOKIE RD) AT HIBBARD RD**

SCALE: 1" = 30' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 12-00194-00-CH	COUNTY COOK	TOTAL SHEETS 140	SHEET NO. 97
CONTRACT NO. 61C76				ILLINOIS FED. AID PROJECT

LT-03

120/240 V, 1-phase, 3-wire, overhead service.

Weatherhead

Downguy and anchor, as needed.

25' (7.5 m) Wood service pole. *

Service conductors in rigid steel conduit, sized as required.

Malleable iron conduit clamps at 5' (1.5 m) intervals.

Meter (when required).

Conduit hub.

Service disconnect switch.

1/2 (13) Sch. 40 PVC conduit.

Slotted ventilator in underside of cover overhang.

Engraved name plate.

12 x 9 x 1 (305 x 225 x 25) watertight pouch mounted inside door with as-built drawings and schematics.

Controller enclosure.

5/8 (16) dia. anchor rod.

1 (25) 45° Chamfer.

Ground line.

Concrete foundation.

To service pole.

Additional wiring window as needed.

5 (125) Sch. 40 PVC wiring window.

LIGHTING CONTROLLER

Ground line.

To service pole.

Feeder conductors in rigid conduit to lighting controller.

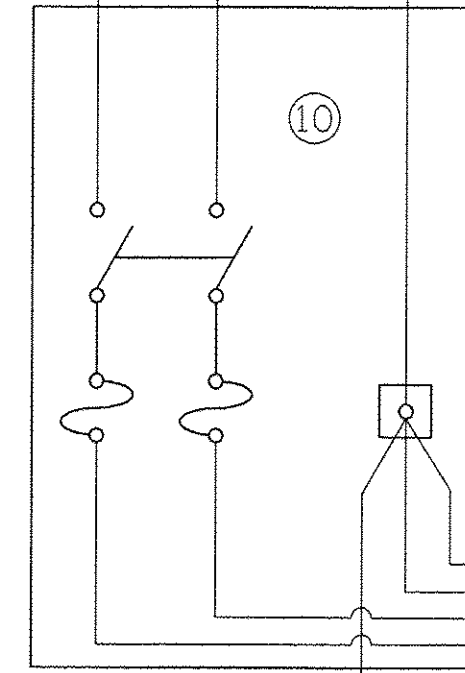
FOUNDATION (PLAN)

(Work pad not shown.)

Controller enclosure, minimum dimensions: 50H x 36W x 17D * (1270 x 915 x 430)

Insulated mounting board.

Service conductors.



Feeder conductors, sized as required.

Neutral bar.

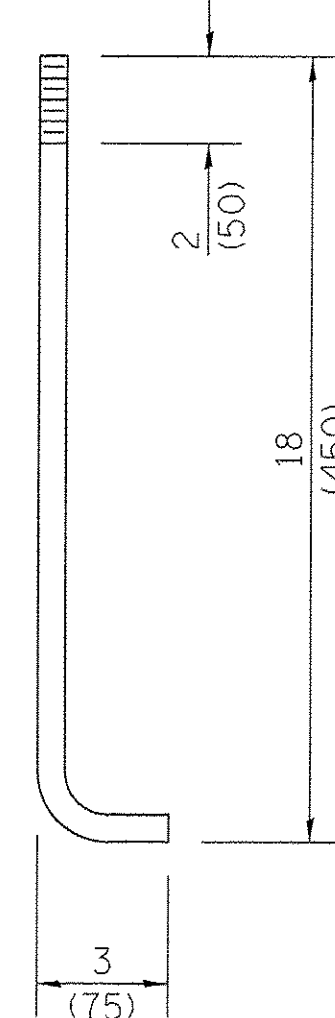
Equipment ground bar.

Branch lighting circuits. (240V each)

CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 amp*, 2-pole circuit breakers, 8 breakers for 8 circuits (only 2 shown for clarity) (includes two spares).
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑪ 100 amp*, 2-pole circuit breaker.
- ⑫ Terminal block sized for conductors as shown on plans.

ANCHOR ROD DETAIL



* Size larger as needed.

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

ELECTRIC SERVICE INSTALLATION

- * Size larger as needed.
- ** Or as directed by Utility Company.

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AECOM

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PLLOT SCALE = 5/8"=1'-0"	DRAWN -	REVISED -
PLLOT DATE = 1/17/2017	CHECKED -	REVISED -
	DATE = 7/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE RD) AT HIBBARD RD
STANDARD DETAILS

SCALE: NTS SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	98
BD0156-07 (BD-01)		CONTRACT NO. 61C76		
ILLINOIS FED. AID PROJECT				

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

UTILITY GROUND CONNECTION, (AS APPLICABLE), BY UTILITY

UTILITY GROUND, AS APPLICABLE, (BY UTILITY)

APPROXIMATELY 10'-6" (3.2 m)

APPROX. 6" (150 mm)

GRADE

EXOTHERMIC WELD CONNECTION

UTILITY GROUNDING ELECTRODE (AS APPLICABLE), BY UTILITY

CUSTOMER SERVICE RISER GROUND ELECTRODE
5/8" X 10' (15.875 mm X 3.048 m) COPPERCLAD GROUND ROD (IN UNDISTURBED SOIL) SEE NOTE 5.

GROUNDING ELECTRODE CONDUCTOR, BARE COPPER, #1/0 AWG. MINIMUM

THREADED TRANSITION COUPLING, AS APPLICABLE (SEE NOTE 6)

PVC COATED RIGID CONDUIT ELBOW 24" (609.6 mm) RADIUS (MIN.) SEE NOTE 3.

PVC-COATED RIGID CONDUIT NIPPLE OR CONDUIT EXTENSION, LENGTH AS REQUIRED

HEAVY DUTY GROUND CLAMP, UNIVERSAL U-CLAMP TYPE, BY O.Z. GEDNEY, T&B OR APPROVED EQUAL.

RIGID STEEL CONDUIT RISER (CONTINUOUS 10' (3 m) LENGTH).

2-HOLE STRAP FOR RIGID CONDUIT, ZINC PLATED STEEL O.Z. GEDNEY TYPE TH-1800 OR APPROVED EQUAL. ATTACHED WITH LAG SCREWS. (TYPICAL)

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUCTOR CONFIGURATION TO MATCH SERVICE. OZ GEDNEY TYPE CSBG OR APPROVED EQUAL, COMPLETE WITH LOCKING COLLAR (SEE DETAIL)

NON-METALLIC "U" GUARD. FURNISH FOR INSTALLATION BY ELECTRIC UTILITY. LENGTH AS REQUIRED

PROVIDE ADEQUATE SLACK FOR DRIP LOOP AND CONNECTION BY THE UTILITY

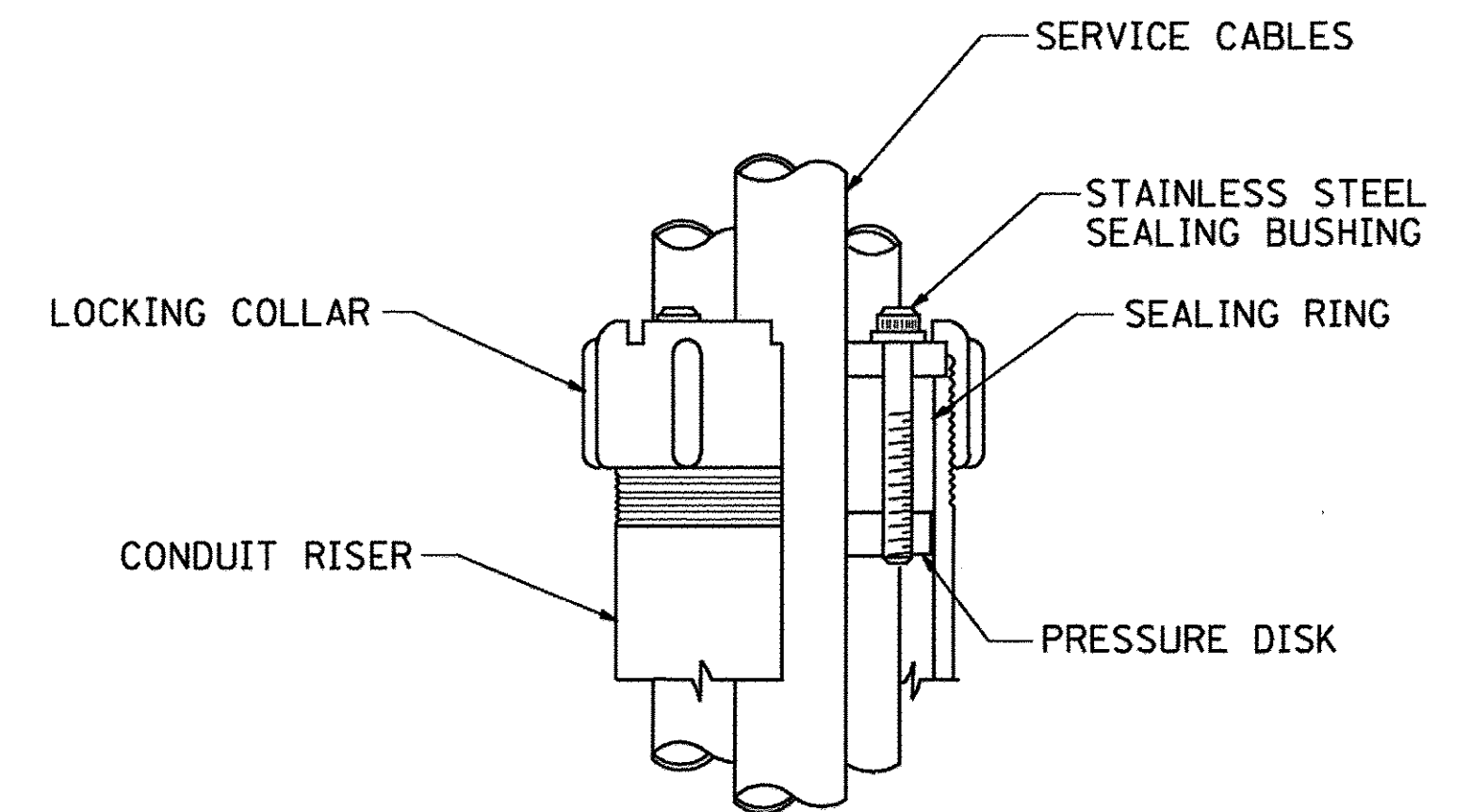
UTILITY POLE, PRIMARY CUT-OUTS TRANSFORMER(S) (AS APPLICABLE) BY THE ELECTRIC UTILITY. THE CONTRACTOR SHALL COORDINATE AS REQUIRED.

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

FILE NAME = P:\6044116\9800_Mork\918\CAD\28-SHEETS\CH12-9129-L-T-19-01-Details.dgn



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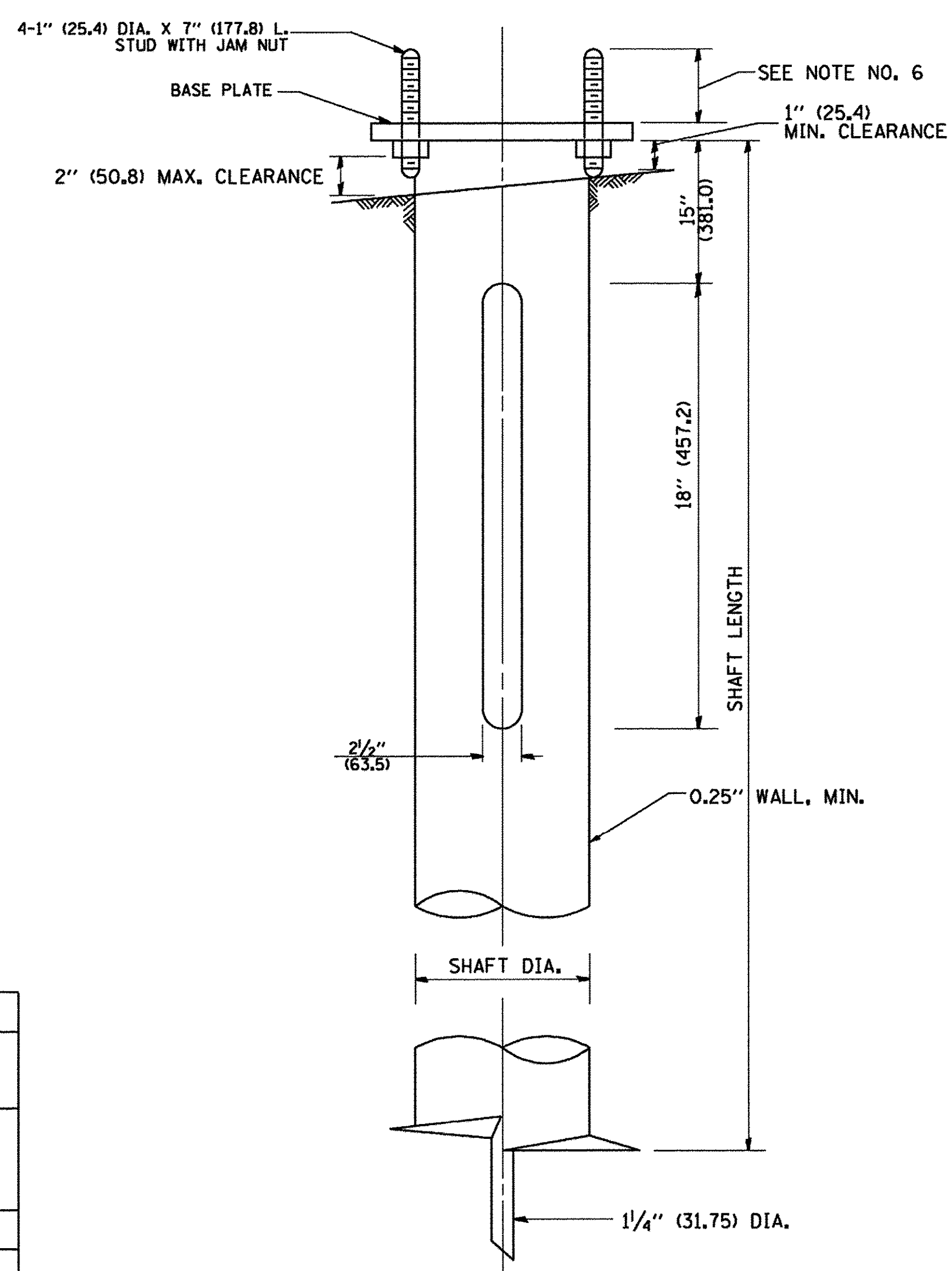
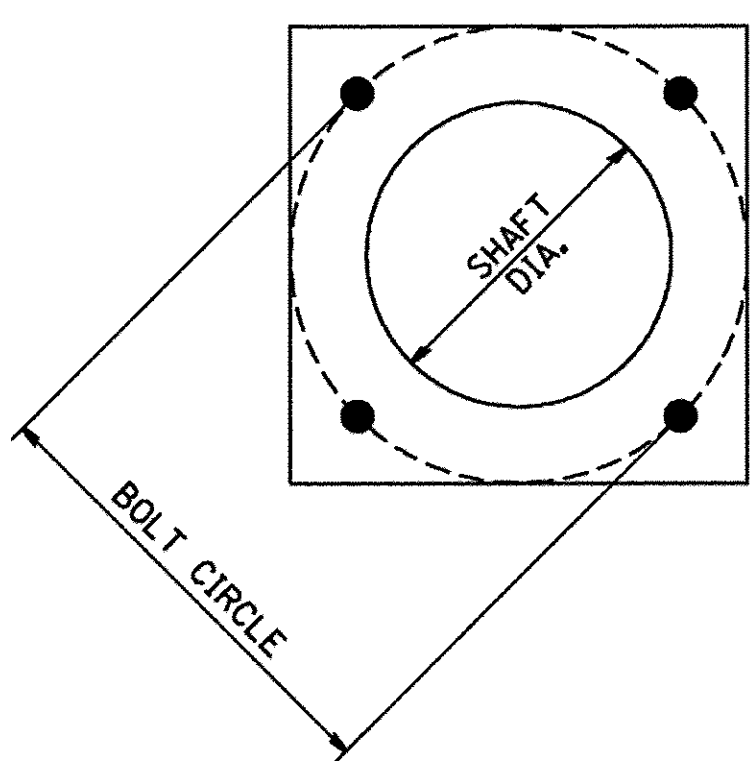
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PLOT DATE = 1/17/2017	CHECKED - MEA	REVISED -
	DATE - 7/28/2016	REVISED -

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**ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT**

SCALE: NTS SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	99
BD0156-07 (BD-01)		CONTRACT NO. 61C76		
ILLINOIS FED. AID PROJECT				



NOTES:

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

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**STATE OF ILLINOIS
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LIGHT POLE FOUNDATION, METAL

SCALE: NTS SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	12-00194-00-CH	COOK	140	100
BD0156-07 (BD-01)		CONTRACT NO. 61C76		
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