11-09-2018 LETTING ITEM 005

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	1
	ILLINOIS	CONTRACT NO. 62A36		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

F.A.P ROUTE 343: IL. RTE. 68 (DUNDEE ROAD) AT GROVE AVENUE
SECTION: 3045N–2
PROJECT: NHPP–0343(042)
INTERSECTION IMPROVEMENT
COOK COUNTY
C–91–148–15

FOR INDEX OF SHEETS, SEE SHEET NO.

PROJECT LOCATED IN THE VILLAGE OF BARRINGTON AND IN THE VILLAGE OF INVERNESS

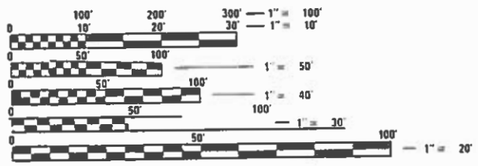
TRAFFIC DATA

2013 ADT

IL. RTE. 68 = 15,100 ADT
BARRINGTON RD. = 15,800 ADT
GROVE AVE. = 2,300 ADT

POSTED SPEED LIMIT

IL. RTE. 68 = 45 MPH
BARRINGTON RD. = 40 MPH
GROVE AVE. = 35 MPH

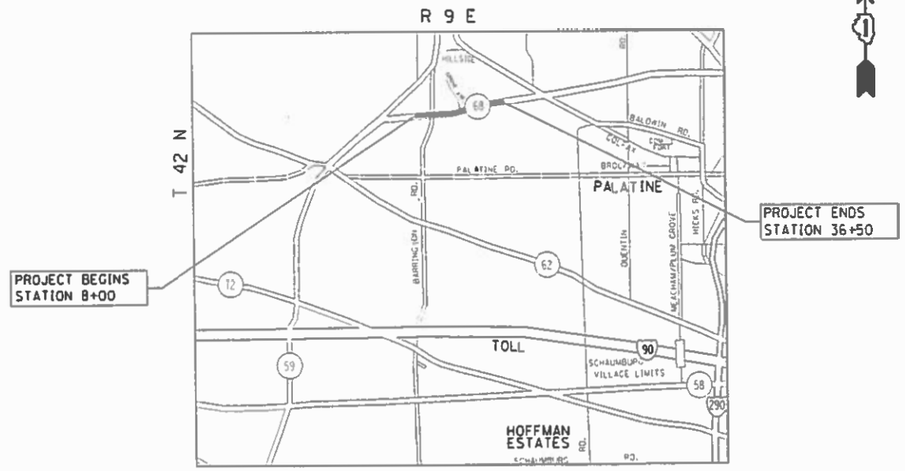


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER ALAIN MIDY (847) 221–3056
PROJECT MANAGER ISSAM RAYYAN (847) 705–4178

CONTRACT NO. 62A36



BARRINGTON TOWNSHIP

IL. RTE. 68 – GROSS AND NET LENGTH OF PROJECT = 2850 FT = 0.53 MILE
GROVE AVE. – GROSS AND NET LENGTH OF PROJECT = 500 FT = 0.09 MILE
BARRINGTON RD. – GROSS AND NET LENGTH OF PROJECT = 365.2 FT = 0.06 MILE
TOTAL GROSS AND NET LENGTH OF PROJECT = 3715.2 FT = .70 MILE

D-91-148-15

LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 13 2018
Anthony J. Quigley / MB
REGIONAL ENGINEER
Oct 5 2018
ENGINEER OF DESIGN AND ENVIRONMENT
Oct 5 2018
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

3

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INDEX OF SHEETS

STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEM
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-07	TRAVERSABLE PIPE GRATE
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602401-04	MANHOLE, TYPE A
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604036-03	GRATE, TYPE 8
604091-03	FRAME AND GRATE, TYPE 24
606001-07	CONC. CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLET FOR CONCRETE CURB ABD GUTTER, TYPE B-6.24 (B-15.60)
666001-01	RIGHT-OF-WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATION, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS- DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS> 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-07	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 AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRIC SERVICE INSTALLATIONS 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 AND BONDING
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAIL
880001-01	SPIN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	118	2
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND VILLAGES OF INVERNESS & BARRINGTON

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

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 40 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OFTHE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

THE RESIDENT ENGINEER SHALL CONTACT MR. CORY JUCIUS TRAFFIC ARTERIAL OPERATIONS UNIT CHIEF AT 847-705-4411 . A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

BEFORE BEGINING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKINGS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

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

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTORS RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) ABD USE/WASTE REVIEW(BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENTATION WILL BE ALLOW.

THE PROP. 10' SHARED PATH/SIDEWALK WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO THE APPLICABLE DETAILS OR HIGHWAY STANDARDS INCLUDED IN THE PLANS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THIS PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK IN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK IN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK (WHICH INCLUDES WORK WITHIN WETLANDS). THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDEDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITION COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS- RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES/GRATES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST. TOP OF RIM ELEVATIONS SHOWN ON THE PLANS FOR STRUCTURES LOCATED IN THE CURB LINE ARE GIVEN AT THE EDGE OF PAVEMENT. PROPOSED STORM SEWER LENGTHS PROVIDED IN THE QUANTITIES ARE FROM THE CENTER OF THE STRUCTURES.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

ON STATE STANDARDS 482001, AGGREGATE SUBGRADE IMPROVEMENT 12" (300 MM) SHALL BE USED AS THE IMPROVED SUBGRADE. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST PER SQ YARD (SQ METER) OF AGGREGATE SUBGRADE IMPROVEMENT 12" (300 MM).

TWO WEEKS PRIOR TO A SCHEDULE TRAFFIC SIGNAL TURN-ON A CHANGABLE MESSAGE SIGN IN EACH DIRECTION OF IL RTE 68 SHALL BE INSTALLED WITH THE FOLLOWING MESSAGES:

NEW TRAFFIC SIGNAL	STARTING DATE FOR SIGNAL TURN-ON

ON THE DAY OF THE TURN-ON THE MESSAGE SHALL BE REVISED TO READ:

NEW SIGNAL AHEAD

THESE SIGNS MAY BE REMOVED TWO WEEKS AFTER THE TURN-ON

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	118	3
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (01/01/2012) AND THE IDOT SUBGRADE STABILITY MANUAL (05/01/2005). IF UNSTABLE AND/OR UNSUITABLE SOILS IS NOT ENCOUNTERED, THEN THE QUALITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.

THE RESIDENT ENGINEER SHALL CONTACT DISTRICT ONE SURVEY UNIT HEAD MR. RICHARD R. KANTHAPHIXAY AT (847) 705-4340 FOR THE RELOCATION OF THE SURVEY MONUMENT.

TEMPORARY BARRIER WALL OFFSET AND PINNING SHALL COMPLY WITH SAFETY ENGINEERING POLICY MEMORANDUM 4-15.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	118	4
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON ROAT	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	409	409						
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	153	153						
	20101000	TEMPORARY FENCE	FOOT	785	785						
	20200100	EARTH EXCAVATION	CU YD	4752	4752						
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE	CU YD	1935	1935						
		MATERIAL									
	20800150	TRENCH BACKFILL	CU YD	2728	1578						1150
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2716	2716						
*	25000210	SEEDING, CLASS 2A	ACRE	2.4	2.4						
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	231	231						
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	231	231						
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	231	231						
*	25100115	MULCH, METHOD 2	ACRE	2.57	2.57						
*	25100630	EROSION CONTROL BLANKET	SQ YD	12127	12127						
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	257	257						
	28000305	TEMPORARY DITCH CHECKS	FOOT	352	352						

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	5
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON RD	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% AT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
28000400	PERIMETER EROSION BARRIER	FOOT	5411	5411						
28000510	INLET FILTERS	EACH	24	24						
28100105	STONE RIPRAP, CLASS A3	SQ YD	40	40						
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	744	744						
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	6606	6606						
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2775						2775	
35501313	HOT-MIX ASPHALT BASE COURSE, 7 1/4"	SQ YD	3785	3785						
35600705	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4"	SQ YD	941	941						
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6244						6244	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11949	11949						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	18	18						
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	667	667						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	150	150						

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	6
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON RD	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% AT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX	TON	298						298	
	"D", N50									
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	1640	1640						
	COURSE, MIX "E", N70									
42001300	PROTECTIVE COAT	SQ YD	1200	1200						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5	SQ FT	950						950	
	INCH									
42400800	DETECTABLE WARNINGS	SQ FT	325						325	
44000100	PAVEMENT REMOVAL	SQ YD	140	140						
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2	SQ YD	11400	11400						
	1/2"									
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1275	1275						
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	388	388						
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	290	290						
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	425	425						
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	936	936						
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	37	37						
48203022	HOT-MIX ASPHALT SHOULDERS, 6 1/4"	SQ YD	580	580						

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	7
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON RD	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% AT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2						
50105220	PIPE CULVERT REMOVAL	FOOT	582	582						
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	3	3						
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2						
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	2						
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	117	117						
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	139	139						
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1102	1102						
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	833	833						
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	66	66						
55100500	STORM SEWER REMOVAL 12"	FOOT	32	32						
56103000	DUCTILE IRON WATER MAIN 6"	FOOT	45							45
56103100	DUCTILE IRON WATER MAIN 8"	FOOT	10							10
56103200	DUCTILE IRON WATER MAIN 10"	FOOT	1490							1490

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USER NAME = abebawa | PLOT SCALE = 100.0000 ' / in. | PLOT DATE = 8/13/2018

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	8

CONTRACT NO. 62A36

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON RD	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% AT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
56103300	DUCTILE IRON WATER MAIN 12"	FOOT	20							20
56105000	WATER VALVES 8"	EACH	1							1
56105100	WATER VALVES 10"	EACH	4							4
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3							3
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	4							4
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2						
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	44	44						
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	596	596						
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	8	8						
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	3						
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	10	10						
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8						
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2						

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		DRAWN -	REVISED -
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	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	9
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON RD	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% AT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1	EACH	1	1						
		FRAME, CLOSED LID									
	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE	EACH	5							5
		1 FRAME, CLOSED LID									
	60500050	REMOVING CATCH BASINS	EACH	2	2						
	60500060	REMOVING INLETS	EACH	1	1						
	60500405	FILLING VALVE VAULTS	EACH	6							6
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	2.44	2.44						
	60605000	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	3281	3281						
		TYPE B-6.24									
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	375	375						
*	66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1						
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1						
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12						
	67100100	MOBILIZATION	LSUM	1	1						
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15						
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	9764	9764						

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	10
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON ROAT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7%	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3222	3222						
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	832	832						
	SYMBOLS									
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	12943	12943						
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3194	3194						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1115.2	1115.2						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	234.5	234.5						
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	4882	4882						
70300900	PAVEMENT MARKING TAPE, TYPE IV -	SQ FT	145.2	145.2						
	LETTERS AND SYMBOLS									
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	10051	10051						
70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	655	655						
70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	70	70						
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	48	48						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2440	2440						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1750	1750						

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	11
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

✳ SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON ROAT	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
	70600251	IMPACT ATTENUATORS, TEMPORARY (NON-	EACH	8	8						
		REDIRECTIVE, NARROW), TEST LEVEL 3									
	70600352	IMPACT ATTENUATORS, RELOCATE (NON-	EACH	4	4						
		REDIRECTIVE,NARROW), TEST LEVEL 3									
*	72000100	SIGN PANEL - TYPE 1	SQ FT	91	76		15				
*	72000200	SIGN PANEL - TYPE 2	SQ FT	12.5			12.5				
*	78000100	THERMOPLASTIC PAVEMENT MARKING -	SQ FT	832	832						
		LETTERS AND SYMBOLS									
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	12943	12943						
		4"									
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	3194	3194						
		6"									
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1115.2	1115.2						
		12"									
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	234.5	234.5						
		24"									
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	196	196						
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	98	98						
	78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	157	157						
		REMOVAL									

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	12
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON RD	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% AT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
*	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1			1				
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	4216			758	3458			
		2" DIA.									
*	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	103			103				
		2 1/2" DIA.									
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	54			54				
		3" DIA.									
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	221			221				
		4" DIA.									
*	81400100	HANDHOLE	EACH	8			4	4			
*	81400200	HEAVY-DUTY HANDHOLE	EACH	2			2				
*	81400300	DOUBLE HANDHOLE	EACH	1			1				
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	2		1	1				
		INSTALLATION									
*	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV	EACH	1			1				
		CABINET									
*	86000100	MASTER CONTROLLER	EACH	1		1					
*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1			1				
		* SPECIALTY ITEM									

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	13
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON RD AT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7%	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.	FOOT	4274				4274			
		14 1C									
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	580		402	178				
		14 2C									
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	953		416			537		
		14 3C									
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1483			1483				
		14 5C									
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	837		411	426				
		14 7C									
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.	FOOT	1544		410	1134				
		14 1 PAIR									
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO.	FOOT	91			91				
		6 2 C									
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	775			775				
		GROUNDING CONDUCTOR, NO. 6 1C									
*	87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	1			1				
		14 FT.									
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	2			2				
		16 FT.									
		* SPECIALTY ITEM									

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		DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	14
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON ROAT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7%	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
*	87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22	EACH	1			1				
		FT.									
*	87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26	EACH	1			1				
		FT.									
*	87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46	EACH	1			1				
		FT.									
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12			12				
	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4				
*											
	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH	FOOT	20			20				
		DIAMETER									
*											
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	13			13				
		DIAMETER									
*											
	87900200	DRILL EXISTING HANDHOLE	EACH	3		1		2			
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	4			4				
		MAST-ARM MOUNTED									
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	4			4				
		BRACKET MOUNTED									
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	3		1	2				
		BRACKET MOUNTED									

* SPECIALTY ITEM

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / In.	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	15
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON ROAT	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	3		1	2				
		MAST-ARM MOUNTED									
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE,	EACH	4		2	2				
		BRACKET MOUNTED WITH COUNTDOWN TIMER									
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	6		1	5				
	88600100	DETECTOR LOOP, TYPE I	FOOT	521		29	492				
*	88700200	LIGHT DETECTOR	EACH	2					2		
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1					1		
	88800100	PEDESTRIAN PUSH-BUTTON	EACH	4		2	2				
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	411		411					
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL	EACH	2		2					
		EQUIPMENT									
*	B2002216	TREE, CRATAEGUS VIRDIS WINTER KING	EACH	6	6						
		(WINTER KING GREEN HAWTHORN), 2"									
		CALIPER, TREE FORM, BALLED AND									
		BURLAPPED									
*	B2004000	TREE, MALUS ORANGE CRUSH (ORANGE CRUSH	EACH	8	8						
		CRABAPPLE), 6' HEIGHT, CLUMP FORM,									
		BALLED AND BURLAPPED									

* SPECIALTY ITEM

FILE NAME = pw:\\LOB4EBIDINTEGJ.IIInois.gov:PWIDOT\Documents\IDOT Offices\District NProjects\DI4815\CADData\Design\DI4815-sht-DETAIL.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.444' / In.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	16
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON RD	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7% AT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
✳	B2004566	TREE, MALUS RED JEWEL (RED JEWEL CRAB	EACH	6	6						
		APPLE), 6' HEIGHT, CLUMP FORM, BALLED									
		AND BURLAPPED									
✳	B2010016	TREE, AMELANCHIER CANADENSIS (SHADBLOW	EACH	5	5						
		SERVICEBERRY), 2" CALIPER, TREE FORM,									
		BALLED AND BURLAPPED									
✳	C2012460	SHRUB, VIBURNUM LENTAGO (NANNYBERRY	EACH	10	10						
		VIBURNUM), 5' HEIGHT, BALLED AND									
		BURLAPPED									
✳	C2012760	SHRUB, VIBURNUM PRUNIFOLIUM (BLACKHAW	EACH	10	10						
		VIBURNUM), 5' HEIGHT, BALLED AND									
		BURLAPPED									
✳	C2C00424	SHRUB, ARONIA ARBUTIFOLIA BRILLIANT	EACH	80	80						
		ISSIMA (BRILLANT RED CHOKEBERRY), 2'									
		HEIGHT, CONTAINER									
✳	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE	FOOT	341					341		
		SENSOR CABLE, NO. 20 3/C									
✳	X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER	EACH	1			1				
		P CABINET									
	X2020110	GRADING AND SHAPING SHOULDERS	UNIT	8	8						
*	X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.17	0.17						
	X5610656	WATER MAIN TO BE ABANDONED, 6"	FOOT	40						40	

* SPECIALTY ITEM

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	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	17
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

✳ SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: ROADWAY 0004 FEDERAL 80% STATE 20%	TRAFFIC 0021 FEDERAL 80% STATE 20% BARRINGTON ROAT GROVE AVE.	TRAFFIC 0021 FEDERAL 80% STATE 13.3% VILLAGE 6.7%	TRAFFIC 0021 FEDERAL 80% STATE 20% INTERCONNECT	TRAFFIC 0021 VILLAGE 100% VILLAGE OF BARRINGTON E.V.P	BIKE PATH 0028 FEDERAL 80% VILLAGE 20%	WATERMAIN 0043 VILLAGE 100% VILLAGE OF BARRINGTON
	X5610658	WATER MAIN TO BE ABANDONED, 8"	FOOT	25							25
	X5610660	WATER MAIN TO BE ABANDONED, 10"	FOOT	1510							1510
	X7010216	TRAFFIC CONTROL AND PROTECTION,	LSUM	1	1						
		(SPECIAL)									
	X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	90		90					
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	13849	13849						
	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	1005	1005						
	X8570215	FULL-ACTUATED CONTROLLER IN EXISTING	EACH	1		1					
		CABINET									
*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1				
	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO.	FOOT	4313				4313			
		62.5/125, MM12F SM24F									
	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1						
	Z0027800	GEOTECHNICAL FABRIC	SQ YD	950	950						
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	128.5	128.5						
Ø	Z0076600	TRAINEES	HOUR	500	500						
	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1				1			
Ø	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500						
	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS)	FOOT	652	652						
		12 INCH									

* SPECIALTY ITEM Ø 0042

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

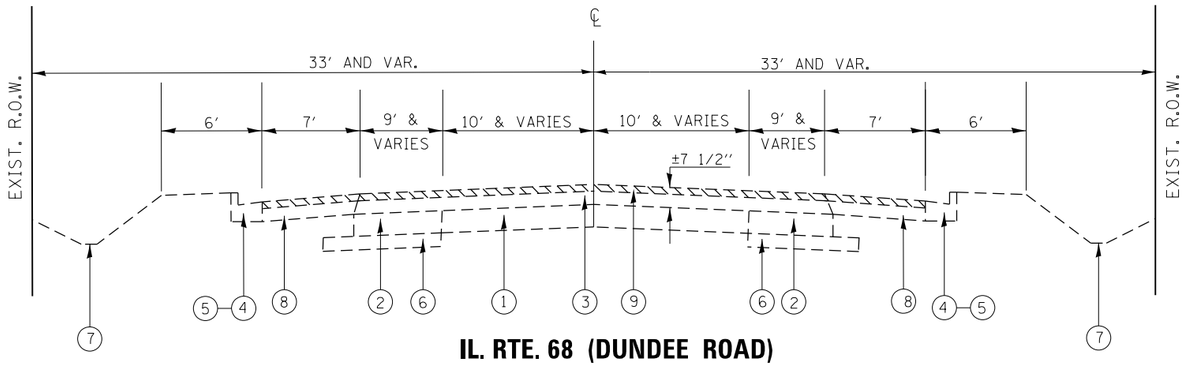
IL 68 (DUNDEE RD.) AT GROVE AVE.
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	18
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* SPECIALTY ITEMS

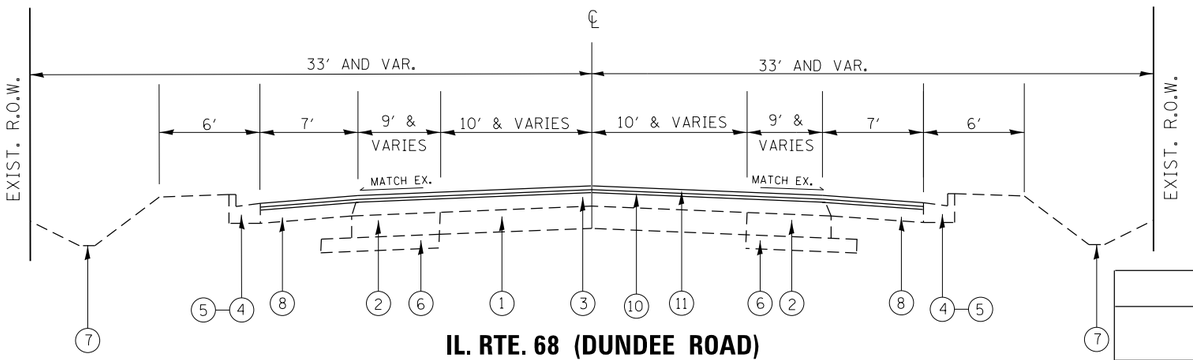
REV. - MS



IL. RTE. 68 (DUNDEE ROAD)

EXISTING TYPICAL SECTION

Sta. 8+00 to Sta. 8+44 (DUNDEE RD.)



IL. RTE. 68 (DUNDEE ROAD)

PROPOSED TYPICAL SECTION

Sta. 8+00 to Sta. 8+44 (DUNDEE RD.)

REMOVAL ITEMS

THE CONTRACTOR SHALL MILL FIRST THEN PATCH

LEGEND

1. EXIST. P.C.C. PAVEMENT ± 9″
2. EXIST. HOT-MIX ASPHALT BASE COURSE 9″
3. EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5″
4. EXIST. COMBINATION CONC. CURB AND GUTTER
5. EXIST. AGGREGATE SHOULDER, TYPE A
6. EXIST. SUB-BASE GRAN. MAT., TYPE A
7. EXIST. DITCH
8. EXIST. HOT-MIX ASPHALT SHOULDER
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2″
10. PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4″
11. PROP. POLYMERIZED HMA SURFACE COURSE, MIX ″E″, N70, 1 3/4″
12. PROP. GRADING AND SHAPING SHOULDERS
13. PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4″ (WIDENING FOR < 6FT)
14. PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12″
15. PROP. COMB. CONC. C&G TYPE B-6.24
16. PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N50, 2″
17. PROP. TOP SOIL, EXCAVATION AND PLACEMENT, SOD, SEED, AND NUTIRENTS
18. PROP. HOT-MIX ASPHALT BASE COURSE, 7 1/4″ (WIDENING FOR > 6FT)
19. PROP. HOT-MIX ASPHALT SHOULDERS, 6 1/4″
20. PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
21. PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4″
22. PROP. AGGREGATE SHOULDER, TYPE B, 6″
- *** 23. PROP. AGGREGATE SUBGRADE IMPROVEMENT, CU YD″

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	**VOIDS @ Ndes**	
PAVEMENT WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX ″E″, N70 (IL 9.5 mm)	4% AT 70 GYR.	**QCP**
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	**QC/QA**
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0 mm), 7 1/4″	4% AT 70 GYR.	**QCP**
HOT-MIX ASPHALT BASE COURSE WIDENING, (HMA BINDER IL-19.0 mm), 7 1/4″	4% AT 70 GYR.	**QCP**
PAVEMENT RESURFACING(INCLUDING SHOULDER)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX ″E″, N70 (IL 9.5 mm)	4% AT 70 GYR.	**QCP**
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	**QC/QA**
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0)	4% AT 70 GYR.	**QC/QA**
SHOULDER RECONSTRUCTION		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX ″E″, N70 (IL 9.5 mm)	4% AT 70 GYR.	**QCP**
HMA SHOULDER, 6 1/4″ (HMA BINDER IL-19.0mm)	4% AT 70 GYR.	**QC/QA**
SHARED USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N50 (IL-9.5 mm)	4% AT 50 GYR.	**QC/QA**
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)		

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

NOTE 2: THE ″AC TYPE″ FOR POLYMERIZED HMA MIXES SHALL BE ″SBS/SBR PG 76-22″ AND FOR NON-POLYMERIZED HMA THE ″AC TYPE″ SHALL BE ″PG 64-22″ UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

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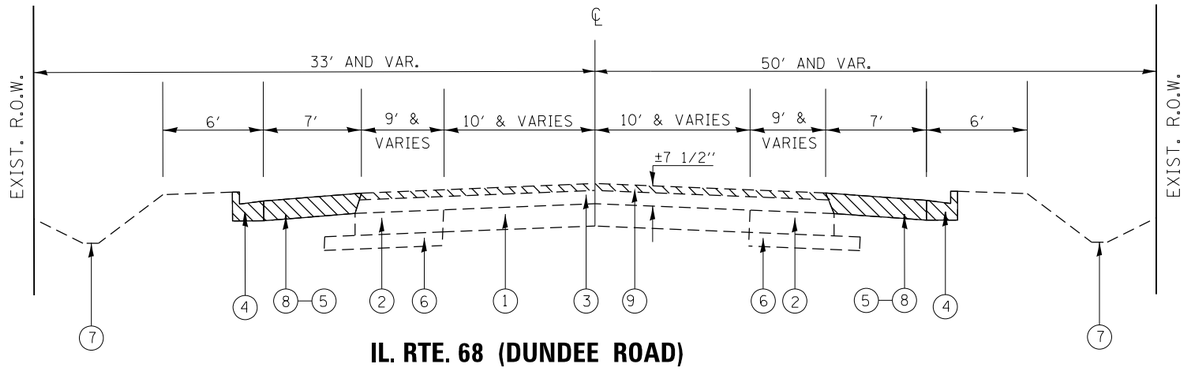
Default	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	19
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			



IL. RTE. 68 (DUNDEE ROAD)

EXISTING TYPICAL SECTION

Sta. 8+00 to Sta. 36+50

LEGEND

1. EXIST. P.C.C. PAVEMENT ± 9″
2. EXIST. HOT-MIX ASPHALT BASE COURSE 9″
3. EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5″
4. EXIST. COMBINATION CONC. CURB AND GUTTER
5. EXIST. AGGREGATE SHOULDER, TYPE A
6. EXIST. SUB-BASE GRAN. MAT., TYPE A
7. EXIST. DITCH
8. EXIST. HOT-MIX ASPHALT SHOULDER
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2″
10. PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4″
11. PROP. POLYMERIZED HMA SURFACE COURSE, MIX ″E″, N70, 1 3/4″
12. PROP. GRADING AND SHAPING SHOULDERS
13. PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4″ (WIDENING FOR < 6FT)
14. PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12″
15. PROP. COMB. CONC. C&G TYPE B-6.24
16. PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N50, 2″
17. PROP. TOP SOIL, EXCAVATION AND PLACEMENT, SOD, SEED, AND NUTIRENTS
18. PROP. HOT-MIX ASPHALT BASE COURSE, 7 1/4″ (WIDENING FOR > 6FT)
19. PROP. HOT-MIX ASPHALT SHOULDERS, 6 1/4″
20. PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
21. PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4″
22. PROP. AGGREGATE SHOULDER, TYPE B, 6″

*** 23. PROP. AGGREGATE SUBGRADE IMPROVEMENT, CU YD″

REMOVAL ITEMS

THE CONTRACTOR SHALL MILL FIRST THEN PATCH

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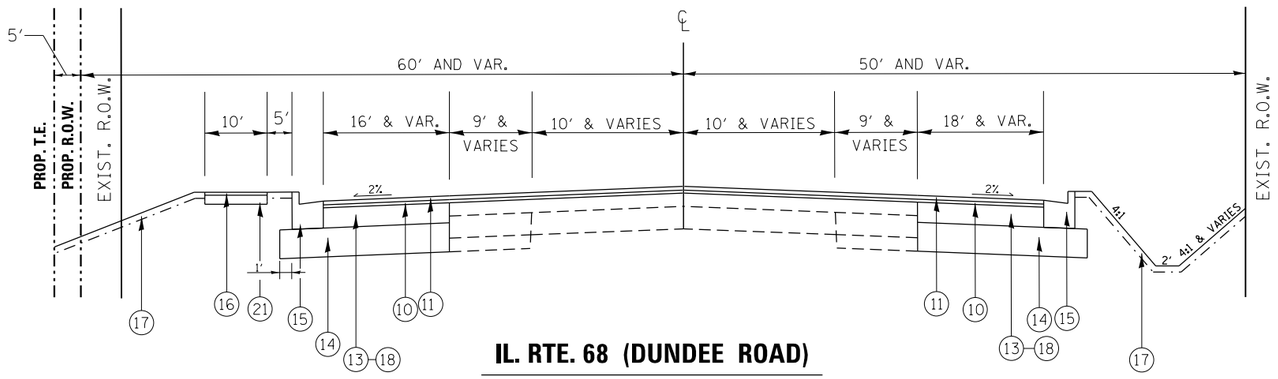
Default	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
TYPICAL CROSS SECTIONS

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

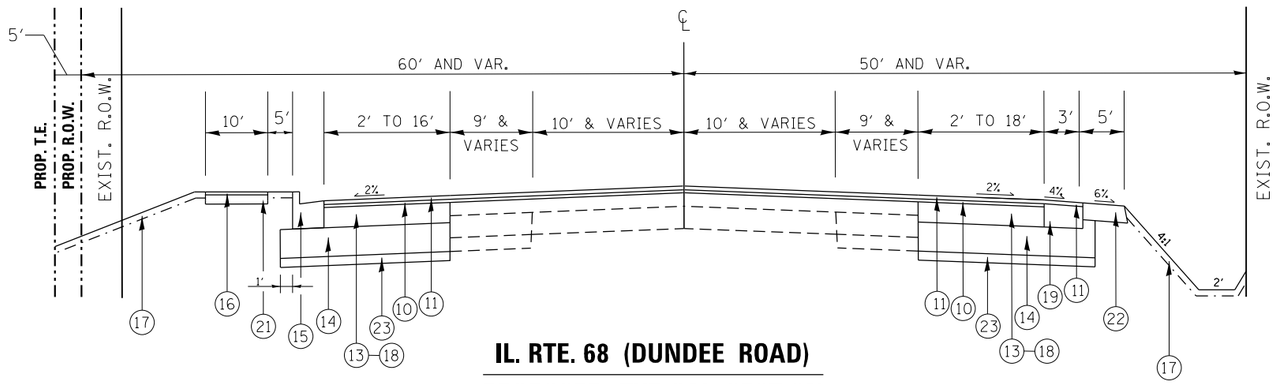
F.AP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	20
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		



IL. RTE. 68 (DUNDEE ROAD)

PROPOSED TYPICAL SECTION

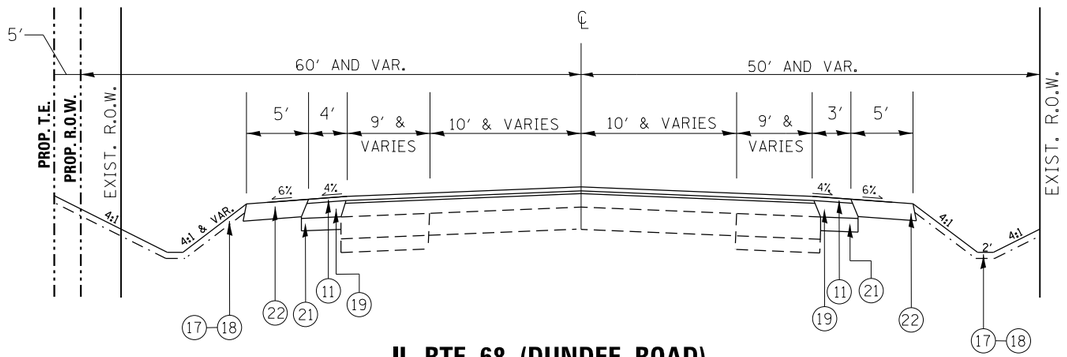
Sta. 8+00 to Sta. 21+00 (DUNDEE RD.)



IL. RTE. 68 (DUNDEE ROAD)

PROPOSED TYPICAL SECTION

Sta. 21+00 to Sta. 34+38 (DUNDEE RD.)



IL. RTE. 68 (DUNDEE ROAD)

PROPOSED TYPICAL SECTION

Sta. 34+38 to Sta. 36+50 (DUNDEE RD.)

REMOVAL ITEMS

THE CONTRACTOR SHALL MILL FIRST THEN PATCH

LEGEND

(1) EXIST. P.C.C. PAVEMENT ± 9''
(2) EXIST. HOT-MIX ASPHALT BASE COURSE 9''
(3) EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5''
(4) EXIST. COMBINATION CONC. CURB AND GUTTER
(5) EXIST. AGGREGATE SHOULDER, TYPE A
(6) EXIST. SUB-BASE GRAN. MAT., TYPE A
(7) EXIST. DITCH
(8) EXIST. HOT-MIX ASPHALT SHOULDER
(9) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2''
(10) PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4''
(11) PROP. POLYMERIZED HMA SURFACE COURSE, MIX ''E'', N70, 1 3/4''
(12) PROP. GRADING AND SHAPING SHOULDERS
(13) PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4'' (WIDENING FOR < 6FT)
(14) PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12''
(15) PROP. COMB. CONC. C&G TYPE B-6.24
(16) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX ''D'', N50, 2''
(17) PROP. TOP SOIL, EXCAVATION AND PLACEMENT, SOD, SEED, AND NUTIRENTS
(18) PROP. HOT-MIX ASPHALT BASE COURSE, 7 1/4'' (WIDENING FOR > 6FT)
(19) PROP. HOT-MIX ASPHALT SHOULDERS, 6 1/4''
(20) PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
(21) PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4''
(22) PROP. AGGREGATE SHOULDER, TYPE B, 6''
*** (23) PROP. AGGREGATE SUBGRADE IMPROVEMENT, CU YD''

NOTE A: (STA. 30+75 TO STA. 32+75)

A GROUND STABILIZING FABRIC BE PLACED OVER THE PREPARED SUBGRADE AND COVERED WITH A COMPACTED 24-INCH THICK LAYER AGGREGATE SUB. IMPROVEMENT AND TO BE PRESENT BELOW THE ENTIRE WIDTH OF THE PROPOSED EMBANKMENT NECESSARY TO CONSTRUCT THE LEFT SIDE WIDENING.

*** FROM STA. 21+90 TO STA 25+20

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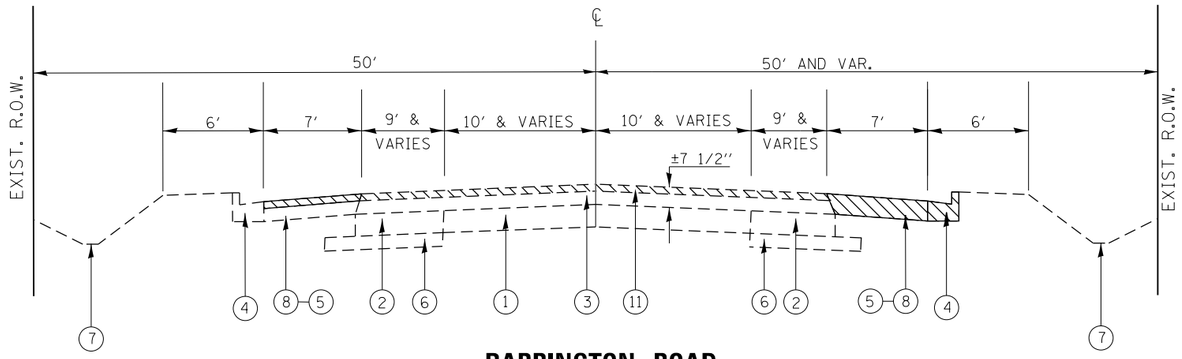
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
TYPICAL CROSS SECTIONS

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

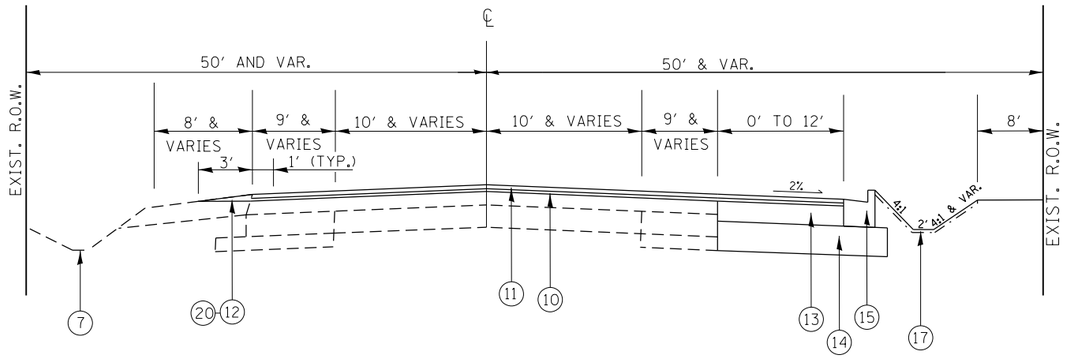
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	21
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		



BARRINGTON ROAD

EXISTING TYPICAL SECTION

Sta. 199+34.8 to Sta. 205+00 (BARRINGTON ROAD)
Sta. 201+00 to Sta. 202+00 (OMIT FROM RESURFACING)



BARRINGTON ROAD

PROPOSED TYPICAL SECTION

Sta. 199+34.8 to Sta. 205+00 (BARRINGTON ROAD)
Sta. 201+00 to Sta. 202+00 (OMIT FROM RESURFACING)

LEGEND

1. EXIST. P.C.C. PAVEMENT ± 9″
2. EXIST. HOT-MIX ASPHALT BASE COURSE 9″
3. EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5″
4. EXIST. COMBINATION CONC. CURB AND GUTTER
5. EXIST. AGGREGATE SHOULDER, TYPE A
6. EXIST. SUB-BASE GRAN. MAT., TYPE A
7. EXIST. DITCH
8. EXIST. HOT-MIX ASPHALT SHOULDER
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2″
10. PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4″
11. PROP. POLYMERIZED HMA SURFACE COURSE, MIX ″E″, N70, 1 3/4″
12. PROP. GRADING AND SHAPING SHOULDERS
13. PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4″ (WIDENING FOR < 6FT)
14. PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12″
15. PROP. COMB. CONC. C&G TYPE B-6.24
16. PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N50, 2″
17. PROP. TOP SOIL, EXCAVATION AND PLACEMENT, SOD, SEED, AND NUTIRENTS
18. PROP. HOT-MIX ASPHALT BASE COURSE, 7 1/4″ (WIDENING FOR > 6FT)
19. PROP. HOT-MIX ASPHALT SHOULDERS, 6 1/4″
20. PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
21. PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4″
22. PROP. AGGREGATE SHOULDER, TYPE B, 6″
- *** 23. PROP. AGGREGATE SUBGRADE IMPROVEMENT, CU YD″

NOTE A: (STA. 30+75 TO STA. 32+75)

A GROUND STABILIZING FABRIC BE PLACED OVER THE PREPARED SUBGRADE AND COVERED WITH A COMPACTED 24-INCH THICK LAYER AGGREGATE SUB. IMPROVEMENT AND TO BE PRESENT BELOW THE ENTIRE WIDTH OF THE PROPOSED EMBANKMENT NECESSARY TO CONSTRUCT THE LEFT SIDE WIDENING.

*** FROM STA. 21+90 TO STA 25+20

THE CONTRACTOR SHALL MILL FIRST THEN PATCH

REMOVAL ITEMS

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Default		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
TYPICAL CROSS SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	22
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE

IL RTE. 68	EARTH EXCAVATION (CU. YD.)	TOP SOIL EXCAVATION (CU. YD.)	USED AS TOP SOIL (SHRINKAGE 15%) (CU. YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU. YD.)	EMBANKMENT (CU. YD.)	TOP SOIL PLACEMENT (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	TOP SOIL BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
STAGE I	2302	1554	1321	1957	1685	517	272	804
STAGE II	2365	1008	857	2010	558	495	1452	362
BARRINGTON RD.								
STAGE I	0	54	46	0	0	42	0	4
STAGE II	44	54	46	38	6	42	32	4
GROVE AVE.								
STAGE I	13	21	18	11	2	13	9	5
STAGE II	28	25	21	24	0	9	24	12
TOTAL	4752	2716	2309	4040	2251	1118	1789	1191

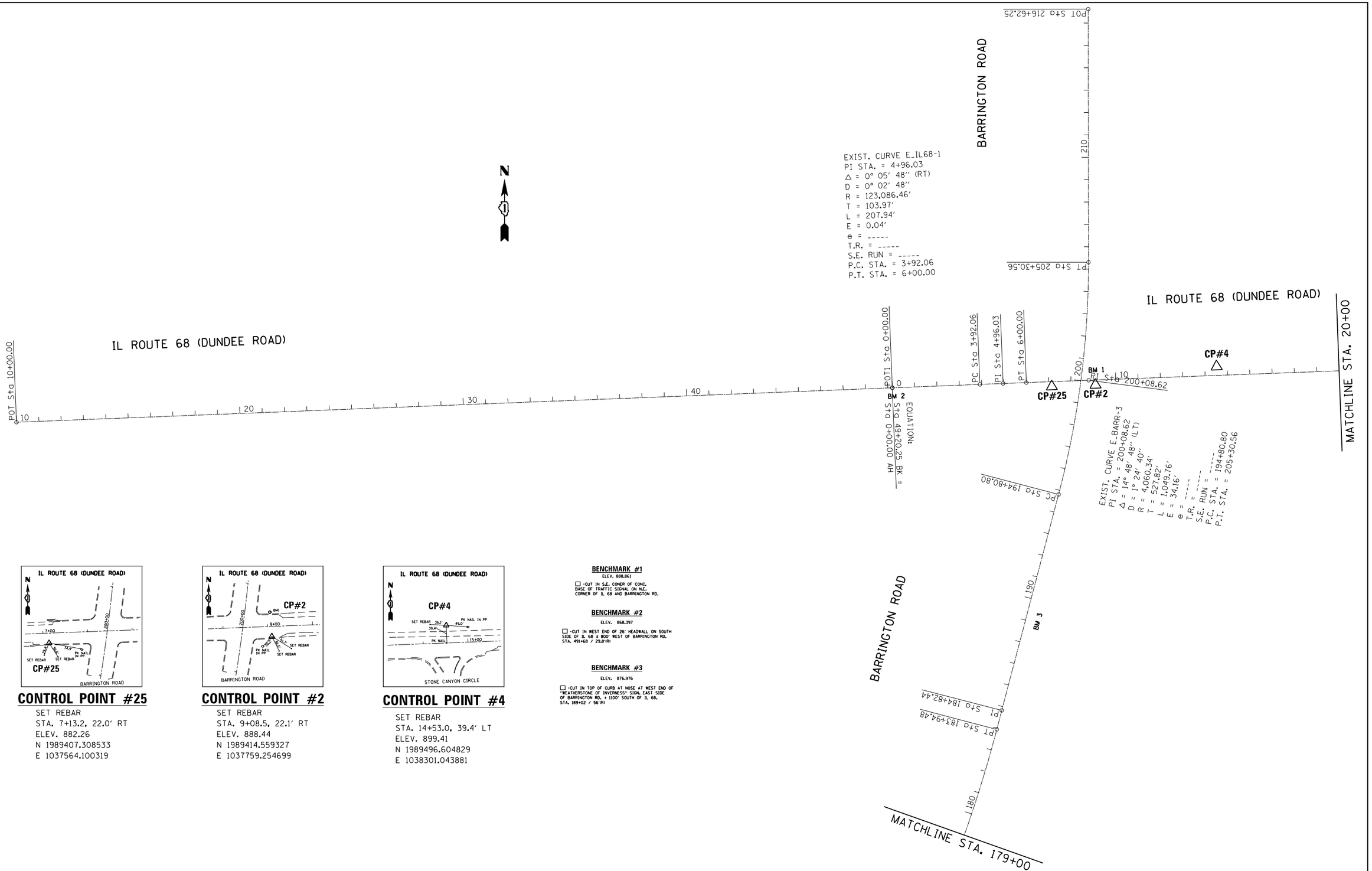
TREE REMOVAL SCHEDULE

STATION	OFFSET/SIDE (FEET)	6 TO 15 UNIT (DIA.)	OVER 15 UNIT (DIA.)	STATION	OFFSET/SIDE (FEET)	6 TO 15 UNIT (DIA.)	OVER 15 UNIT (DIA.)	STATION	OFFSET/SIDE (FEET)	6 TO 15 UNIT (DIA.)	OVER 15 UNIT (DIA.)
10+98	56′ L	8		28+28	40′ R	6		31+77	50′ L	7	
11+44	58′ L	14		28+33	46′ R	7		31+80	52′ L	9	
12+74	48′ L	8		28+47	44′ R	8		31+80	52′ L	9	
15+74	45′ R		24	28+03	43′ R	6					
18+64	33′ L	15		28+26	48′ R	8					
18+64	54′ L	14		28+29	44′ R	12					
21+89	36′ L	7		28+40	41′ R		16				
21+90	43′ L		50	28+50	41′ R	8					
22+03	39′ L	12		28+59	48′ R	13					
22+16	35′ L	6		28+92	40′ R	14					
22+21	45′ L	6		28+94	50′ R	8					
22+25	35′ L	6		28+98	41′ R	14					
22+40	48′ L	6		30+00	41′ R	14					
22+60	49′ L	11		30+14	40′ R	8					
22+63	34′ L	10		30+44	43′ R	12					
22+63	48′ L	10		30+47	38′ L		24				
22+70	40′ L	8		30+51	43′ L	10					
24+03	42′ R	10		30+54	37′ L		18				
27+03	34′ R	6		30+70	36′ L		18				
27+44	45′ R	12		30+81	36′ R	6					
27+70	35′ R	8		30+81	36′ R	6					
28+20	41′ R	14		31+06	36′ R	8					
				31+14	54′ L	10					
				31+40	50′ L	6					
				31+58	36′ R	6					
				31+58	36′ R	6					

TOTAL	6 TO 15 UNIT DIAMETER	OVER 15 UNIT DIAMETER
	412	150

PIPE UNDERDRAINS

INSTALL LOCATIONS	OFFSET/SIDE (FEET)	PIPE UNDERDRAIN, SPECIAL LOCATIONS
STA. 10+00 TO STA. 11+00	± 32′ LT	STA. 27+00 RT
STA. 26+00 TO STA. 27+00	± 27.9′ LT	-
STA. 32+00 TO STA. 33+00	± 27.4′ LT	STA. 33+00 RT



CONTROL POINT #25

SET REBAR
STA. 7+13.2, 22.0' RT
ELEV. 882.26
N 1989407.308533
E 1037564.100319

CONTROL POINT #2

SET REBAR
STA. 9+08.5, 22.1' RT
ELEV. 888.44
N 1989414.559327
E 1037759.254699

CONTROL POINT #4

SET REBAR
STA. 14+53.0, 39.4' LT
ELEV. 899.41
N 1989496.604829
E 1038301.043881

BENCHMARK #1
ELEV. 888.861

☐ -CUT IN S.E. CONER OF CONC. BASE OF TRAFFIC SIGNAL ON N.E. CORNER OF IL 68 AND BARRINGTON RD.

BENCHMARK #2
ELEV. 868.397

☐ -CUT IN WEST END OF 26" HEADWALL ON SOUTH SIDE OF IL 68 ± 800' WEST OF BARRINGTON RD. STA. 491+68 / 29.8'(R)

BENCHMARK #3
ELEV. 876.976

☐ -CUT IN TOP OF CURB AT NOSE AT WEST END OF "WEATHERSTONE OF INVERNESS" SIGN, EAST SIDE OF BARRINGTON RD, ± 1100' SOUTH OF IL 68. STA. 189+02 / 56'(R)

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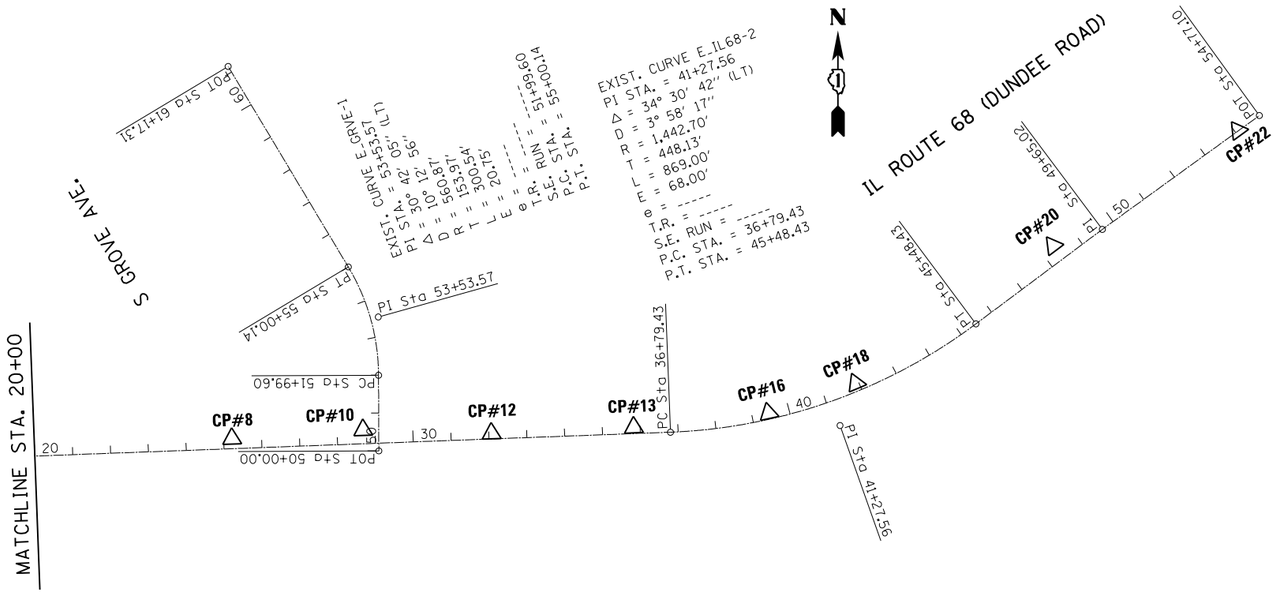
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

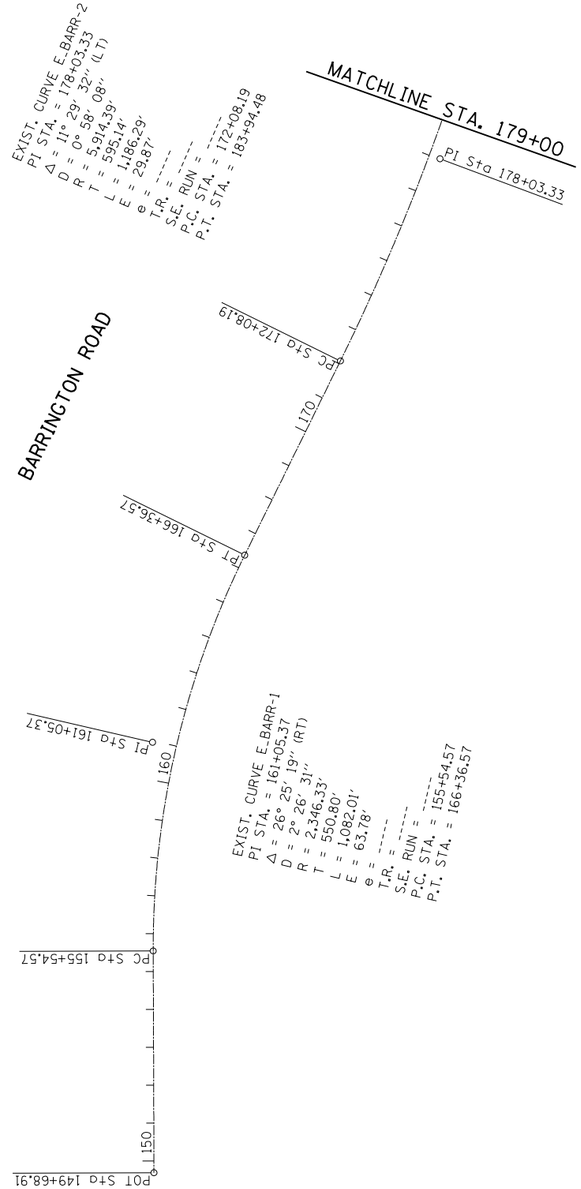
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

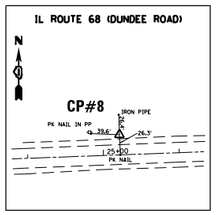
ALIGNMENTS, TIES AND BENCHMARKS
IL ROUTE 68 AT GROVE ROAD

SCALE: 1"= 200' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	24
		CONTRACT NO. 62A36		
		ILLINOIS	FED. AID PROJECT	

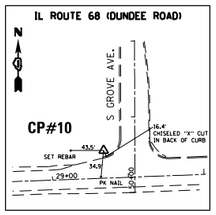






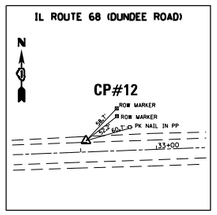
CONTROL POINT #8

SET REBAR
STA. 25+22.1, 26.5' LT
ELEV. 887.88
N 1989523.850311
E 1039369.910265



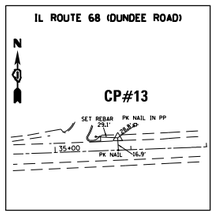
CONTROL POINT #10

SET REBAR
STA. 28+68.7, 36.5' LT
ELEV. 883.36
N 1989546.812325
E 1039715.943342



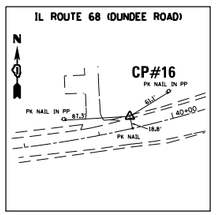
CONTROL POINT #12

SET REBAR
STA. 32+07.2, 14.7' LT
ELEV. 878.17
N 1989537.754221
E 1040055.009328



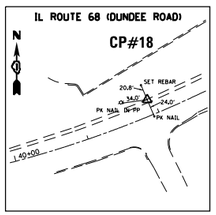
CONTROL POINT #13

SET REBAR
STA. 35+83.3, 16.4' LT
ELEV. 877.39
N 1989553.606415
E 1040430.759539



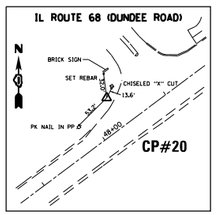
CONTROL POINT #16

SET REBAR
STA. 39+44.8, 16.3 LT
ELEV. 877.50
N 1989591.434981
E 1040786.555191



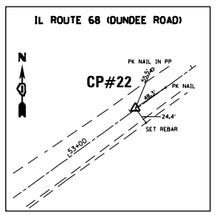
CONTROL POINT #18

SET REBAR
STA. 41+92.0, 21.0' LT
ELEV. 874.15
N 1989670.087541
E 1041017.115276



CONTROL POINT #20

SET REBAR
STA. 48+35.2, 43.4' LT
ELEV. 866.20
N 1990033.314758
E 1041537.891120



CONTROL POINT #22

SET PK NAIL
STA. 54+08.1, 1.4' LT
ELEV. 858.17
N 1990337.437857
E 1042025.807275

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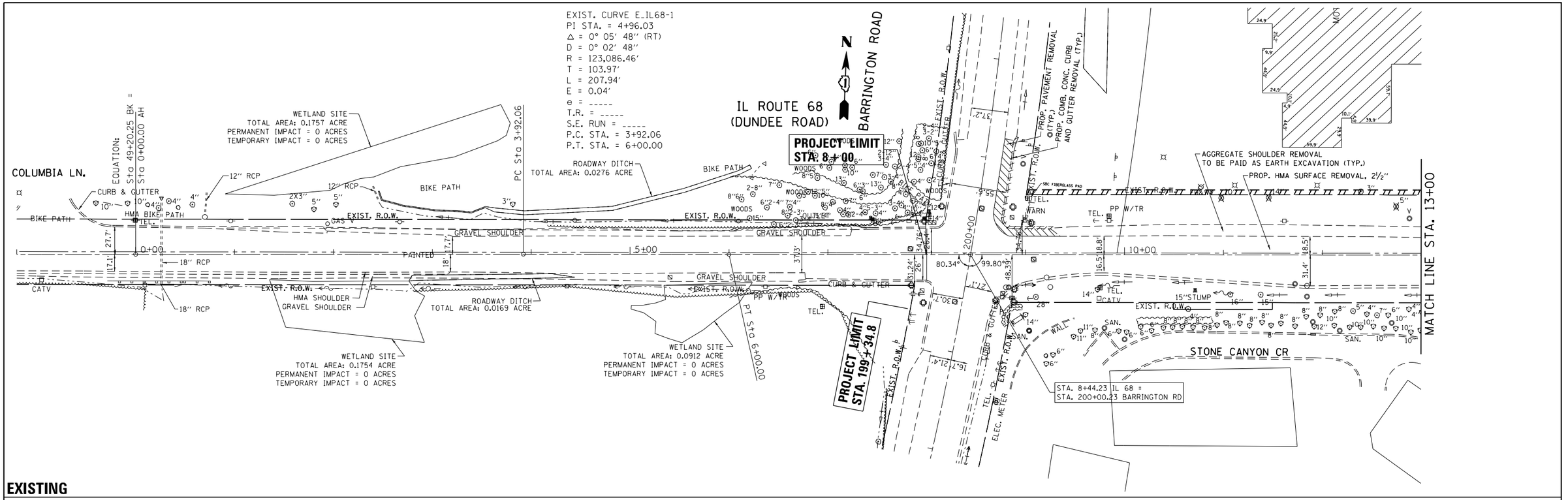
	PLOT SCALE = 400.0000 ' / in.	CHECKED -	REVISED -					343	3045N-2	COOK	120	25
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -		SCALE: 1"= 200'	SHEET OF SHEETS	STA. TO STA.			CONTRACT NO. 62A36		
										ILLINOIS FED. AID PROJECT		

EXISTING



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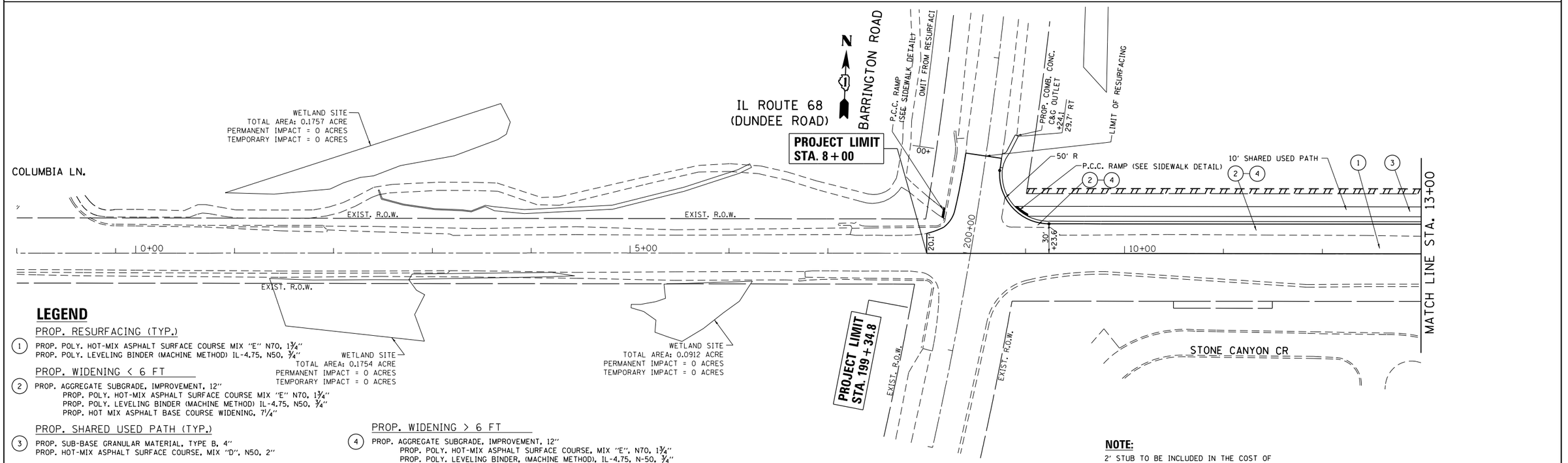

LEGEND

PROP. RESURFACING (TYP.)

(1) PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "E" N70, 1¾"
PROP. POLY. LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, ¾"

PROP. WIDENING < 6 FT

(2) PROP. AGGREGATE SUBGRADE, IMPROVEMENT, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "E" N70, 1¾"
PROP. POLY. LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, ¾"
PROP. HOT MIX ASPHALT BASE COURSE WIDENING, 7¼"

PROP. SHARED USED PATH (TYP.)

(3) PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

PROP. WIDENING > 6 FT

(4) PROP. AGGREGATE SUBGRADE, IMPROVEMENT, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
PROP. POLY. LEVELING BINDER, (MACHINE METHOD), IL-4.75, N-50, ¾"
PROP. HOT-MIX ASPHALT BASE COURSE, 7¼"

NOTE:
2' STUB TO BE INCLUDED IN THE COST OF COMB CONC. CURB AND GUTTER

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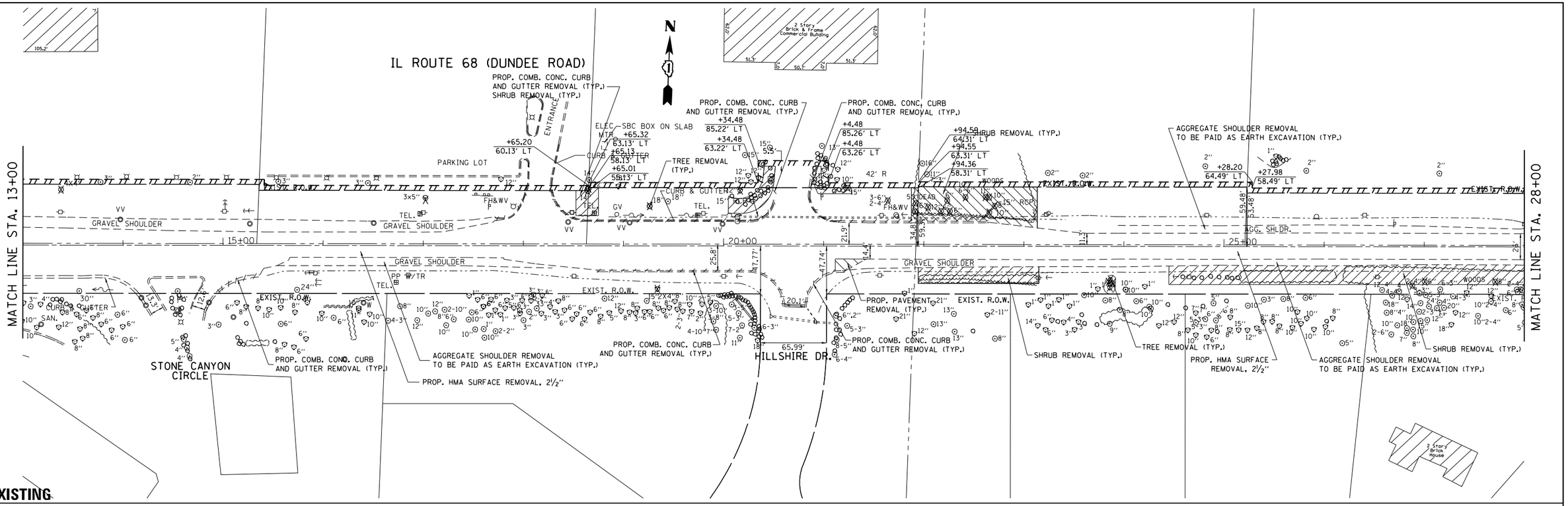
	PLOT DATE = 12/14/2016	CHECKED -	REVISED -
		DATE -	REVISED -

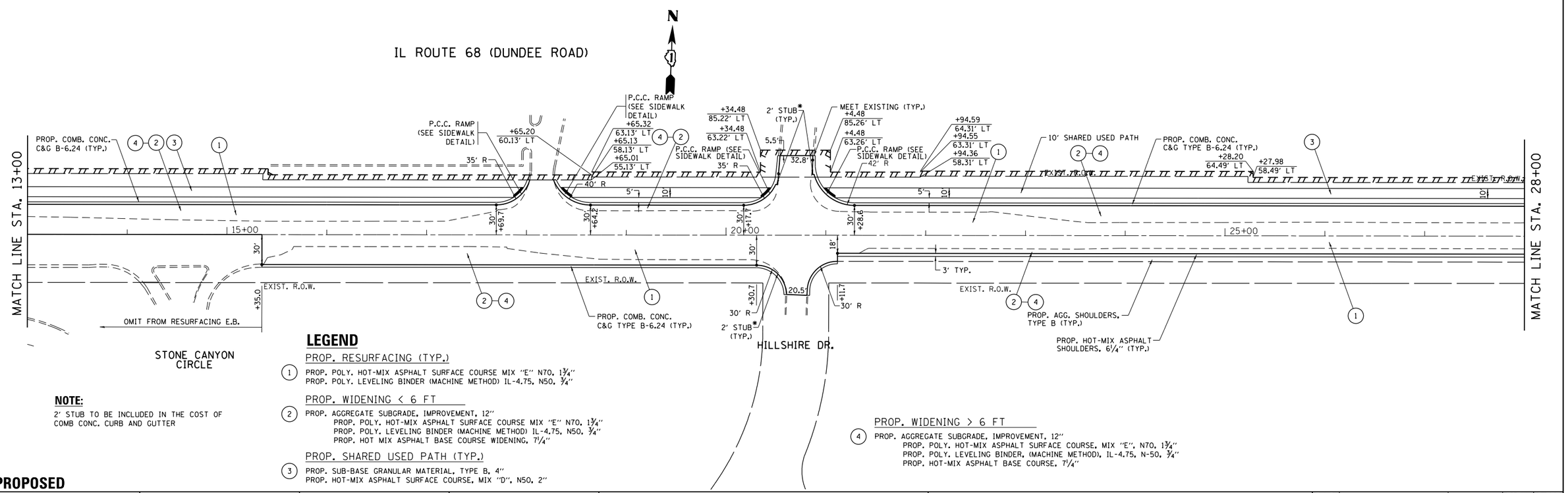
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 48+00.00 | TO STA.13+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	26
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			





LEGEND

PROP. RESURFACING (TYP.)

(1) PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "E" N70, 1¾"
PROP. POLY. LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, ¾"

PROP. WIDENING < 6 FT

(2) PROP. AGGREGATE SUBGRADE, IMPROVEMENT, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "E" N70, 1¾"
PROP. POLY. LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, ¾"
PROP. HOT MIX ASPHALT BASE COURSE WIDENING, 7¼"

PROP. SHARED USED PATH (TYP.)

(3) PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

PROP. WIDENING > 6 FT

(4) PROP. AGGREGATE SUBGRADE, IMPROVEMENT, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
PROP. POLY. LEVELING BINDER, (MACHINE METHOD), IL-4.75, N-50, ¾"
PROP. HOT-MIX ASPHALT BASE COURSE, 7¼"

NOTE:
2' STUB TO BE INCLUDED IN THE COST OF COMB CONC. CURB AND GUTTER

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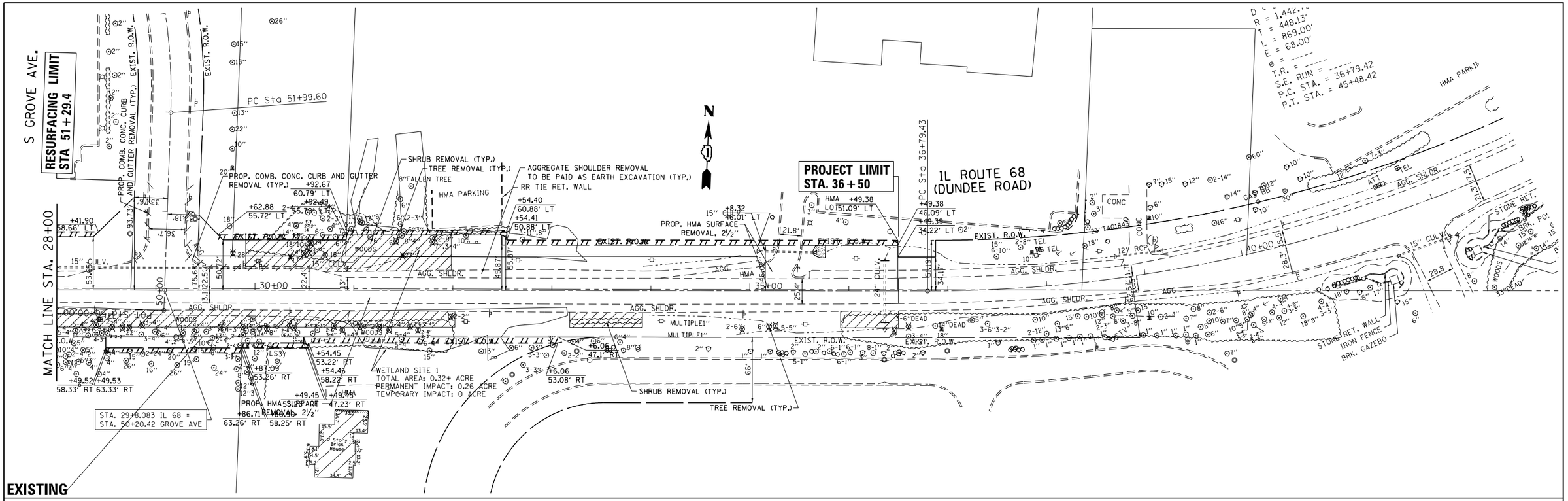
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

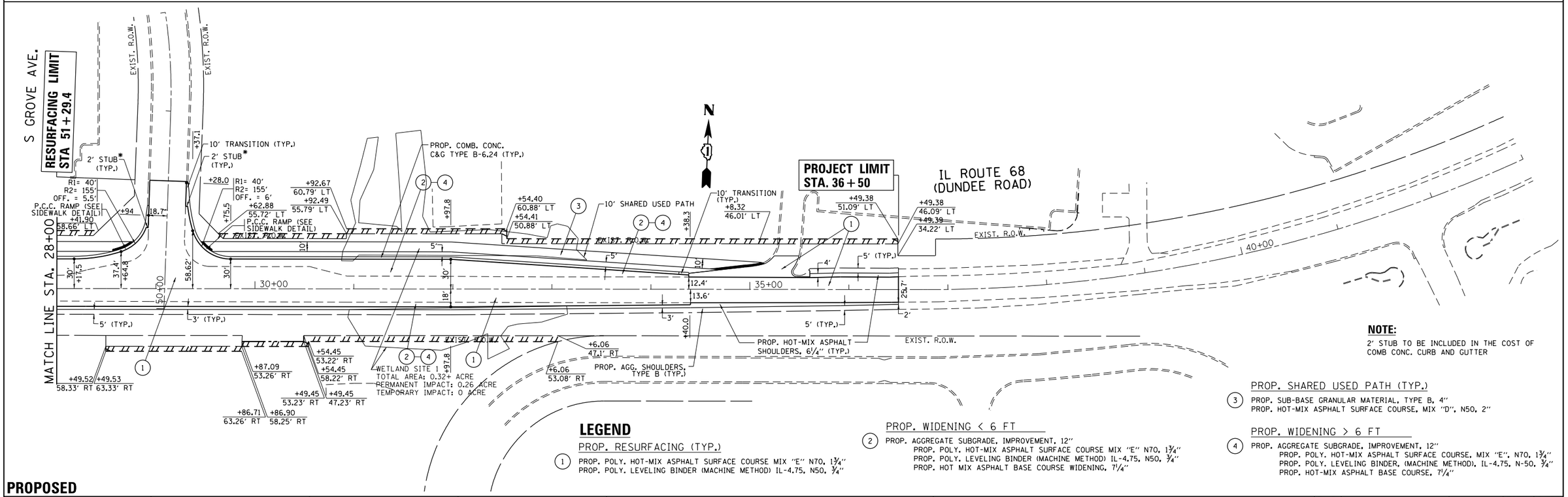
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 13+00.00 TO STA. 28+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	27
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			





NOTE:
2' STUB TO BE INCLUDED IN THE COST OF COMB CONC. CURB AND GUTTER

LEGEND

PROP. RESURFACING (TYP.)

(1) PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "E" N70, 1¾"
PROP. POLY. LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, ¾"

PROP. WIDENING < 6 FT

(2) PROP. AGGREGATE SUBGRADE, IMPROVEMENT, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE MIX "E" N70, 1¾"
PROP. POLY. LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, ¾"
PROP. HOT MIX ASPHALT BASE COURSE WIDENING, 7¼"

PROP. SHARED USED PATH (TYP.)

(3) PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

PROP. WIDENING > 6 FT

(4) PROP. AGGREGATE SUBGRADE, IMPROVEMENT, 12"
PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
PROP. POLY. LEVELING BINDER, (MACHINE METHOD), IL-4.75, N-50, ¾"
PROP. HOT-MIX ASPHALT BASE COURSE, 7¼"

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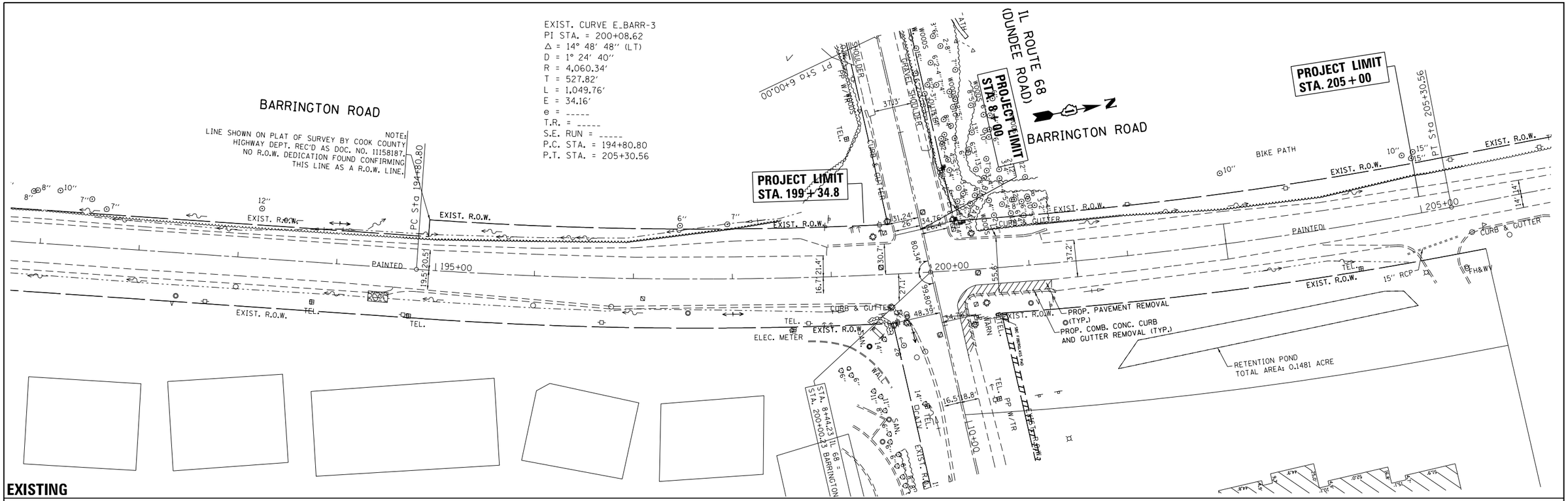
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

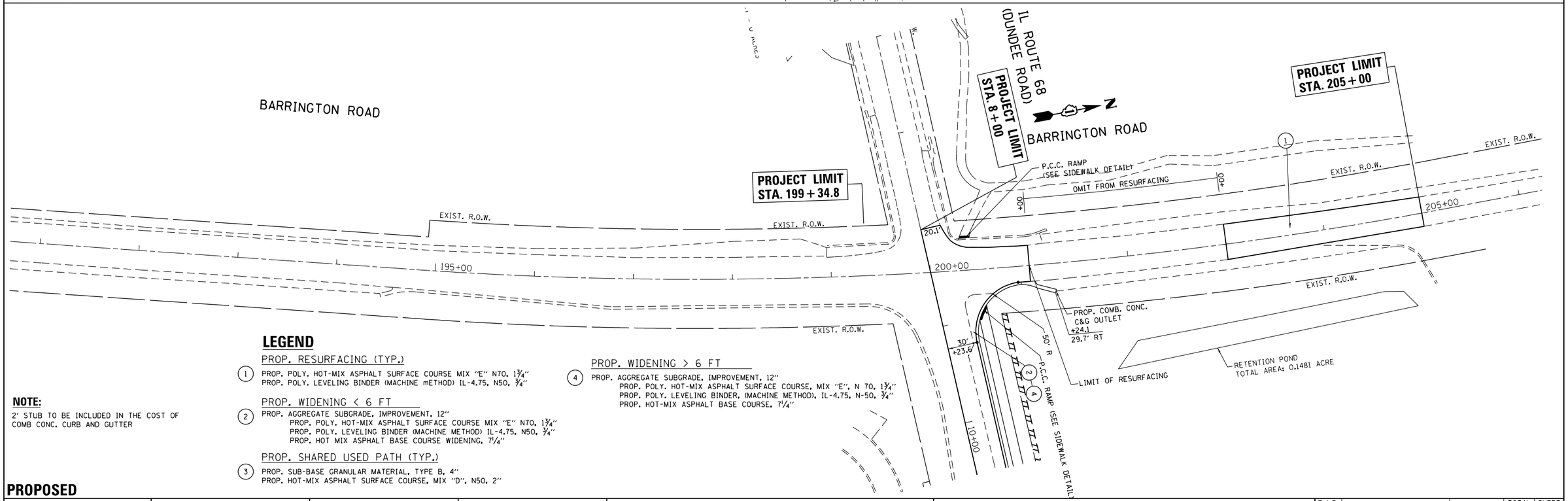
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 28+00.00 TO STA. 43+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	28
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			





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Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

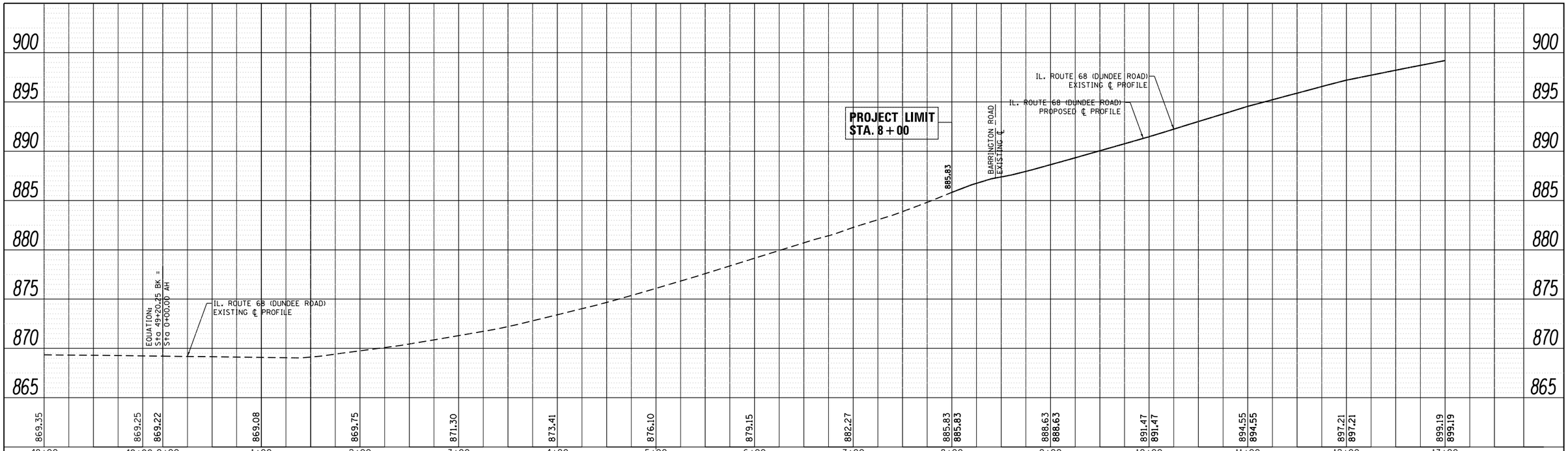
EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 189+00.00 TO STA. 204+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	29
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		

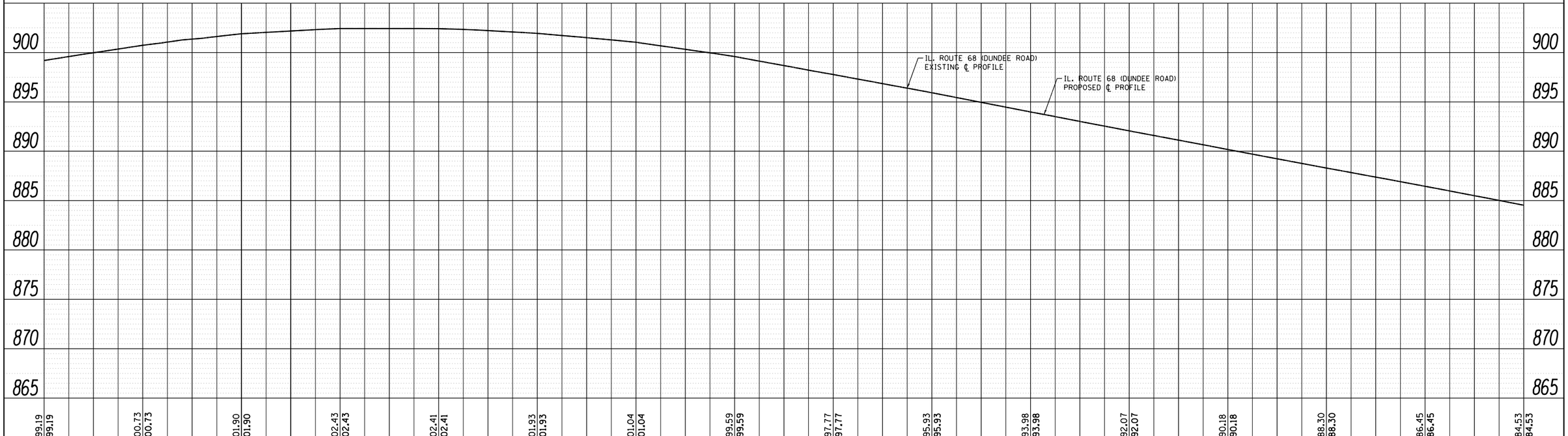
PLAN

SURVEYED	DATE
PLOTTED	
DRAWN	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK	BY
NO.	



PROFILE

SURVEYED	DATE
PLOTTED	
DRAWN	
ALIGNMENT CHECKED	
RT. OF WAY NOTED	
STRUCTURE NOTATNS CHKD	
NOTE BOOK	BY
NO.	



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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

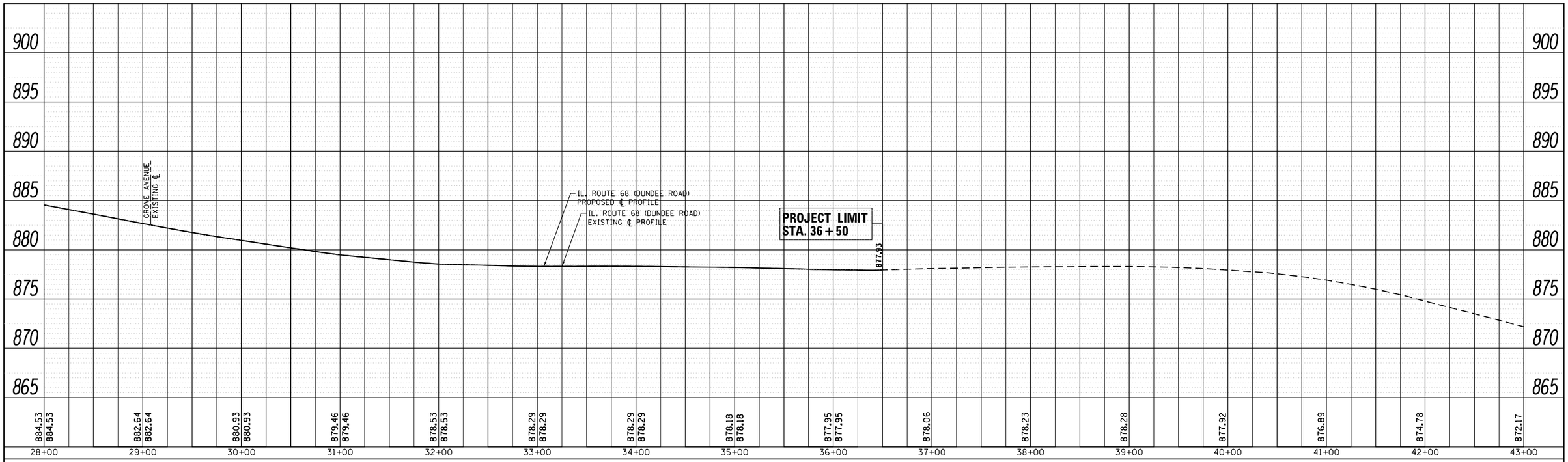
EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 48+00.00 TO STA. 28+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	30
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

PLAN

DATE	BY	
		SURVEYED
		PLOTTED
		DRAWN
		ALIGNMENT CHECKED
		RT. OF WAY CHECKED
		CADD FILE NAME
		NOTE BOOK
		NO.



PROFILE

DATE	BY	
		SURVEYED
		PLOTTED
		DRAWN
		PROFILE CHECKED
		R.M. NOTED
		STRUCTURE NOTATNS CHKD
		NOTE BOOK
		NO.

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Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 28+00.00 TO STA. 43+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	31
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

PLAN

SURVEYED	DATE
PLOTTED	
DESIGNED	BY
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK	
NO.	

PROFILE

SURVEYED	DATE
PLOTTED	
GRADES CHECKED	BY
BM. NOTED	
STRUCTURE NOTATNS CHKD	
NOTE BOOK	
NO.	

945 940 935 930 925 920 915 910 905 900 895 890 885 880 875 870 865 860

PROJECT LIMIT
STA. 199 + 34.8

IL. ROUTE 68 (DUNDEE ROAD)
EXISTING ℄

PROJECT LIMIT
STA. 205 + 00

BARRINGTON ROAD
EXISTING ℄ PROFILE

881.43 883.48 885.32 886.81 888.08 888.92 889.50 889.63 888.51 887.32 885.08 882.63 880.08 878.03 876.44 875.43

191+00 192+00 193+00 194+00 195+00 196+00 197+00 198+00 199+00 200+00 201+00 202+00 203+00 204+00 205+00 206+00

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148\5\DRAWINGS\CADsheets\D114815-sht-plnprf.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 189+00.00 TO STA. 204+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	32
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		

PRE-STAGE

INSTALL SIGNS SHOWN ON DETAILS ''TEMPORARY INFORMATION SIGNING'' PLACE PRIOR TO THE START OF CONSTRUCTION ACTIVITY ON ILLINOIS ROUTE 68 AT BARRINGTON RD. AND AT GROVE AVE.

STAGE I

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE I. THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)

INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN, (SEE NOTE)

PLACE THE CROSS ROAD CULVERT, PAVEMENT SHALL BE REMOVED AND REPLACED WITH CLASS ''D'' PATCH. THIS WORK SHALL BE DONE USING THE APPROPRIATE TRAFFIC CONTROL & PROTECTION STANDARD

REMOVE EXIST. HMA SHOULDER, CURB & GUTTER & AGG. SHOULDER ON NORTH SIDE OF IL 68 AND INSTALL PROP. HMA SHOULDER, BIKE PATH, HMA BASE COURSE COURSE, STORM SEWER, DITCHES SWALES, SODDING AND ALL OTHER COLLATERAL WORK AS SHOWN ON STAGE I PLANS.

STAGE II

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE II. THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)

INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN, (SEE NOTE)

REMOVE EXIST. HMA SHOULDER, CURB & GUTTER & AGG. SHOULDER ON SOUTH SIDE OF IL 68 AND INSTALL PROP. HMA SHOULDER, HMA BASE COURSE COURSE WIDENING, STORM SEWER, DITCHES, SWALES, SODDING AND ALL OTHER COLLATERAL WORK AS SHOWN ON STAGE II PLANS.

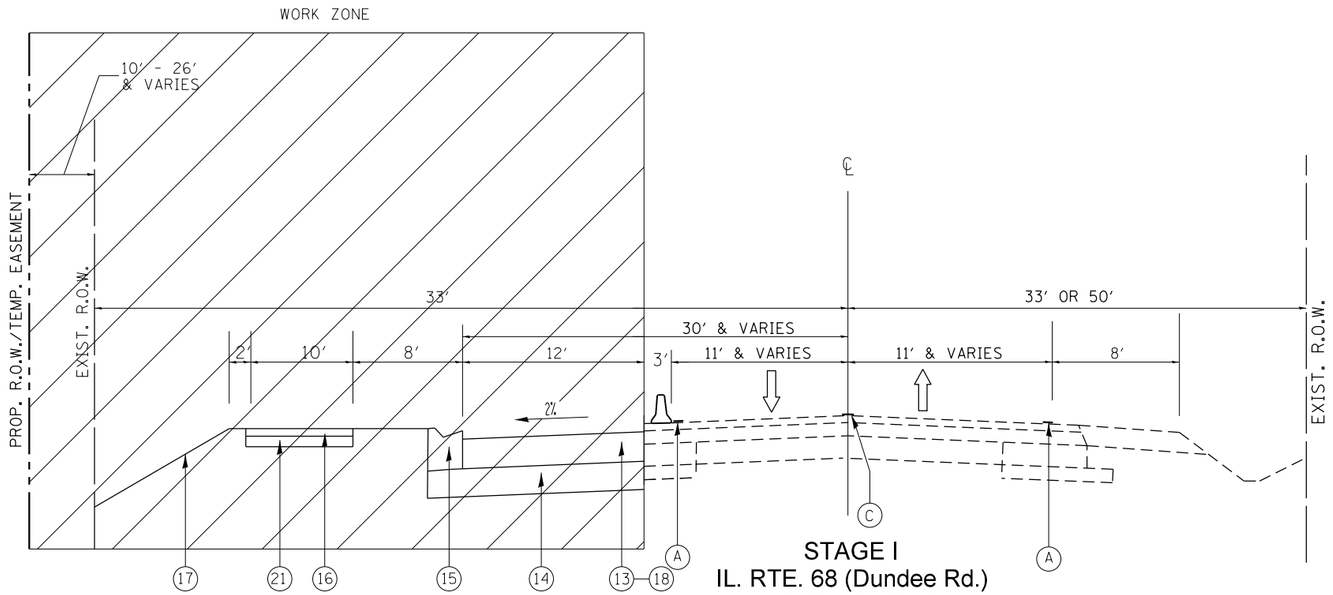
STAGE III

MILL EXSIT. PAVEMENT AND INSTALL FINAL SURFACE & BINDER (SEE LOC.) ON THE MILLED AND WIDENING AREA, INSTALL FINAL PAVEMENT MARKING, RAISED REFLECTIVE PAVEMENT MARKERS AND ALL OTHER COLLATERAL WORK AS SHOWN ON STAGE III TYPICAL SECTION.

NOTE:

ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITION.

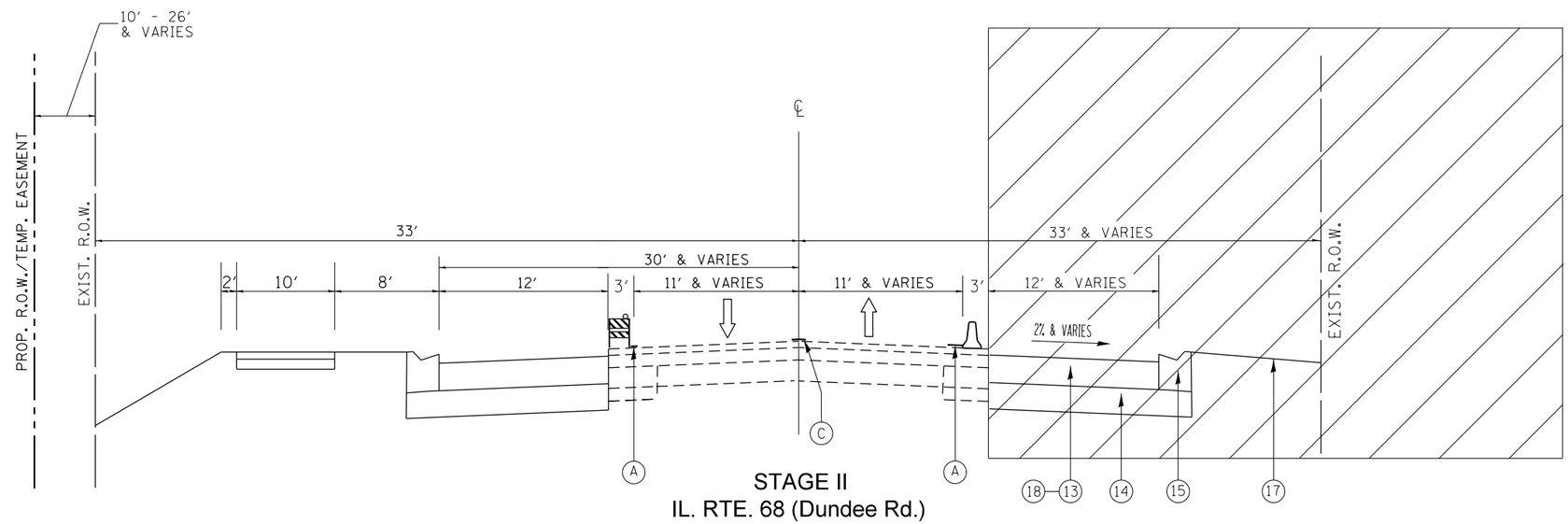
FILE NAME = D114815-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 68 (DUNDEE RD.) AT GROVE AVE. CONSTRUCTION NOTES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				343	3045N-2	COOK	120	33
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 62A36		
	PLOT DATE = 12/14/2016	DATE -	REVISED -		SCALE: 1''= 50'	SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



STAGE I
IL. RTE. 68 (Dundee Rd.)
Sta. 8+00 to Sta. 36+50

LEGEND

(1) EXIST. P.C.C. PAVEMENT ± 9''
(2) EXIST. HOT-MIX ASPHALT BASE COURSE 9''
(3) EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5''
(4) EXIST. COMBINATION CONC. CURB AND GUTTER
(5) EXIST. AGGREGATE SHOULDER, TYPE A
(6) EXIST. SUB-BASE GRAN. MAT., TYPE A
(7) EXIST. DITCH
(8) EXIST. HOT-MIX ASPHALT SHOULDER
(9) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2''
(10) PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4''
(11) PROP. POLYMERIZED HMA SURFACE COURSE, MIX ''E'', N70, 1 3/4''
(12) PROP. GRADING AND SHAPING SHOULDERS
(13) PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4'' (WIDENING FOR < 6FT)
(14) PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12''
(15) PROP. COMB. CONC. C&G TYPE B-6.24
(16) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX ''D'', N50, 2''
(17) PROP. TOP SOIL, EXCAVATION AND PLACEMENT, SOD, SEED, AND NUTIRENTS
(18) PROP. HOT-MIX ASPHALT BASE COURSE, 7 1/4'' (WIDENING FOR > 6FT)
(19) PROP. HOT-MIX ASPHALT SHOULDERS, 6 1/4''
(20) PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
(21) PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4''
(22) PROP. AGGREGATE SHOULDER, TYPE B, 6''
*** (23) PROP. AGGREGATE SUBGRADE IMPROVEMENT, CU YD''



STAGE II
IL. RTE. 68 (Dundee Rd.)
Sta. 8+00 to Sta. 36+50

PAVEMENT MARKING LEGEND

(A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
(B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
(C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
(D) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (SKIP YELLOW)
(E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
(F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
(G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
(H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

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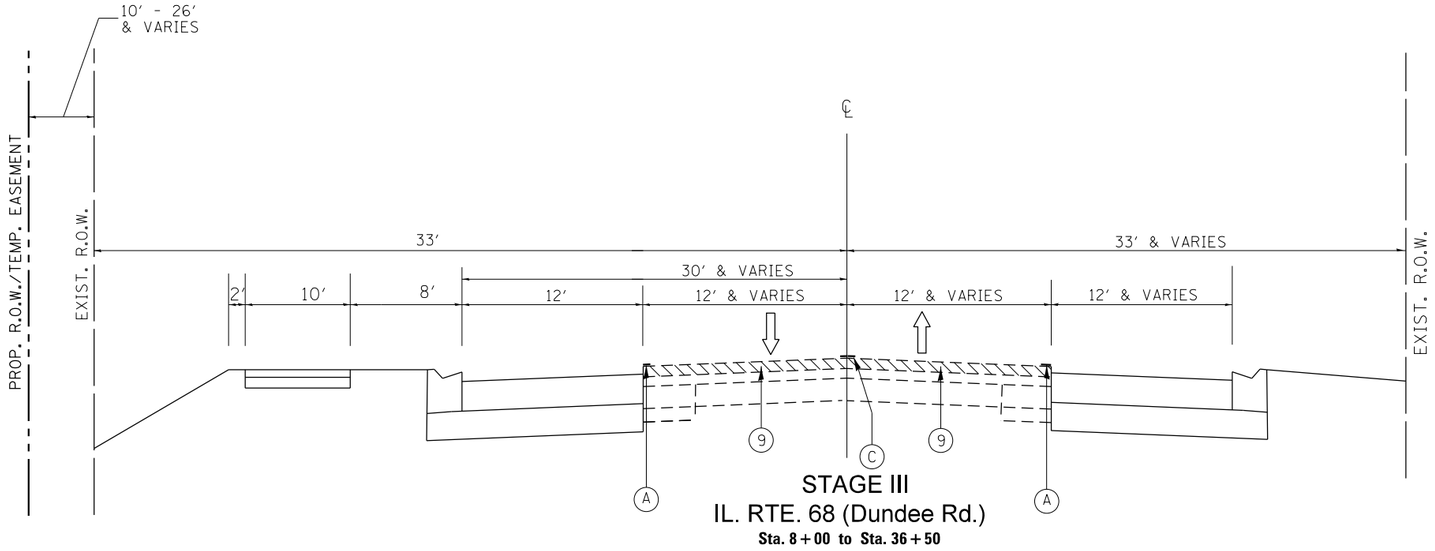
		DRAWN -	REVISED - ___
	PLOT SCALE = 100.1155 ' / in.	CHECKED - ___	REVISED -
	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
CONSTRUCTION TYPICAL SECTION

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	34
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



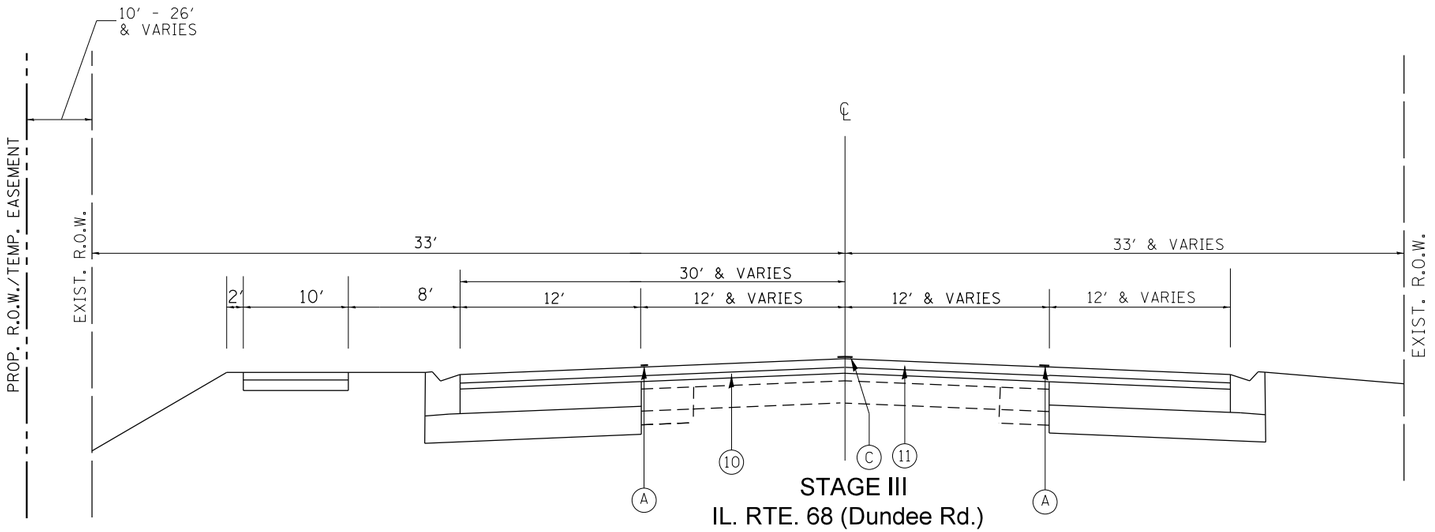
STAGE III

IL. RTE. 68 (Dundee Rd.)

Sta. 8+00 to Sta. 36+50

LEGEND

(1) EXIST. P.C.C. PAVEMENT ± 9″
(2) EXIST. HOT-MIX ASPHALT BASE COURSE 9″
(3) EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5″
(4) EXIST. COMBINATION CONC. CURB AND GUTTER
(5) EXIST. AGGREGATE SHOULDER, TYPE A
(6) EXIST. SUB-BASE GRAN. MAT., TYPE A
(7) EXIST. DITCH
(8) EXIST. HOT-MIX ASPHALT SHOULDER
(9) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2″
(10) PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4″
(11) PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4″
(12) PROP. GRADING AND SHAPING SHOULDERS
(13) PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4″ (WIDENING FOR < 6FT)
(14) PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12″
(15) PROP. COMB. CONC. C&G TYPE B-6.24
(16) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2″
(17) PROP. TOP SOIL, EXCAVATION AND PLACEMENT, SOD, SEED, AND NUTIRENTS
(18) PROP. HOT-MIX ASPHALT BASE COURSE, 7 1/4″ (WIDENING FOR > 6FT)
(19) PROP. HOT-MIX ASPHALT SHOULDERS, 6 1/4″
(20) PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
(21) PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4″
(22) PROP. AGGREGATE SHOULDER, TYPE B, 6″
*** (23) PROP. AGGREGATE SUBGRADE IMPROVEMENT, CU YD″



STAGE III

IL. RTE. 68 (Dundee Rd.)

Sta. 8+00 to Sta. 36+50

PAVEMENT MARKING LEGEND

(A) PAVEMENT MARKING. TAPE , TYPE IV, 4″ (WHITE)
(B) PAVEMENT MARKING. TAPE , TYPE IV, 4″ (YELLOW)
(C) PAVEMENT MARKING. TAPE , TYPE IV, 4″ (DOUBLE YELLOW)
(D) PAVEMENT MARKING. TAPE , TYPE IV, 4″ (SKIP YELLOW)
(E) PAVEMENT MARKING. TAPE , TYPE IV, 6″ (WHITE)
(F) PAVEMENT MARKING. TAPE , TYPE IV, 12″ (YELLOW)
(G) PAVEMENT MARKING. TAPE , TYPE IV, 24″ (WHITE)
(H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

* FROM STA. 14+00 TO STA. 15+00

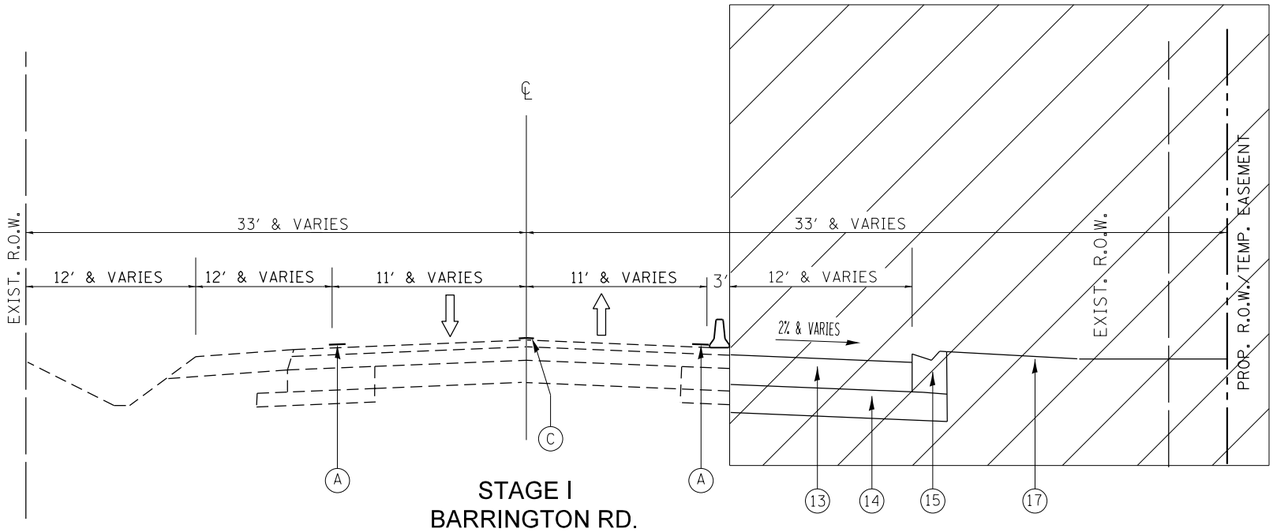
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148[illegible]\Data\Design\D1148[illegible]-sht-staging.dgn	USER NAME = abebawa	DESIGNED - ___	REVISED - ___
		DRAWN - ___	REVISED - ___
	PLOT SCALE = 100.1538 ′ / in.	CHECKED - ___	REVISED - ___
	PLOT DATE = 8/13/2018	DATE - _____	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

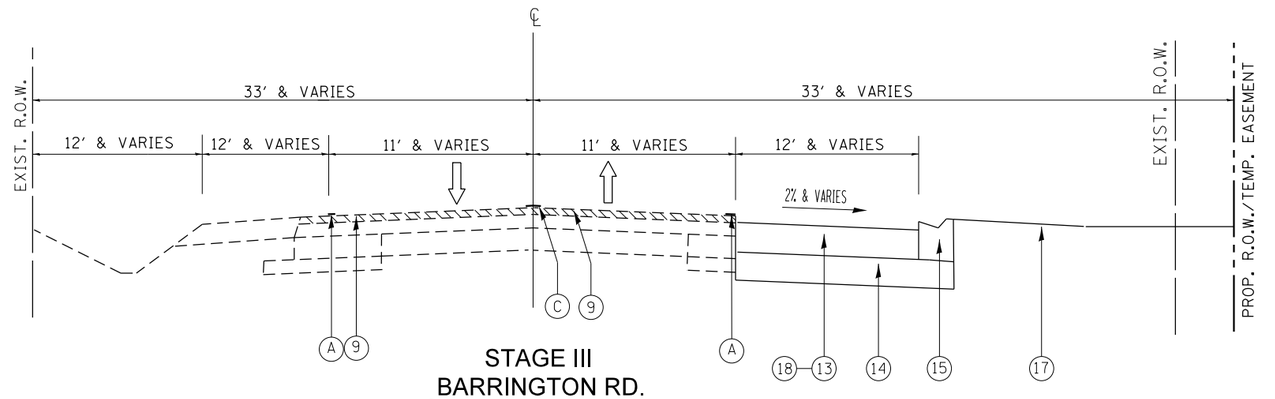
IL 68 (DUNDEE RD.) AT GROVE AVE.
CONSTRUCTION TYPICAL SECTION

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

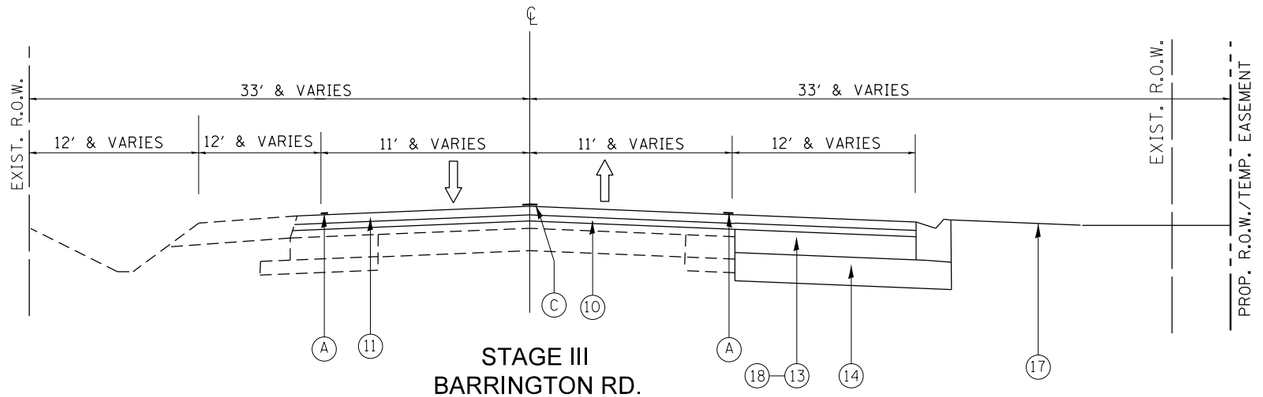
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	35
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



STAGE I
BARRINGTON RD.
Sta. 199 + 34.8 to Sta. 205 + 00



STAGE III
BARRINGTON RD.
Sta. 199 + 34.8 to Sta. 205 + 00



STAGE III
BARRINGTON RD.
Sta. 189 + 42 to Sta. 205 + 00

LEGEND

1. EXIST. P.C.C. PAVEMENT ± 9″
2. EXIST. HOT-MIX ASPHALT BASE COURSE 9″
3. EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5″
4. EXIST. COMBINATION CONC. CURB AND GUTTER
5. EXIST. AGGREGATE SHOULDER, TYPE A
6. EXIST. SUB-BASE GRAN. MAT., TYPE A
7. EXIST. DITCH
8. EXIST. HOT-MIX ASPHALT SHOULDER
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2″
10. PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4″
11. PROP. POLYMERIZED HMA SURFACE COURSE, MIX ″E″, N70, 1 3/4″
12. PROP. GRADING AND SHAPING SHOULDERS
13. PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4″ (WIDENING FOR < 6FT)
14. PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12″
15. PROP. COMB. CONC. C&G TYPE B-6.24
16. PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N50, 2″
17. PROP. TOP SOIL, EXCAVATION AND PLACEMENT, SOD, SEED, AND NUTIRENTS
18. PROP. HOT-MIX ASPHALT BASE COURSE, 7 1/4″ (WIDENING FOR > 6FT)
19. PROP. HOT-MIX ASPHALT SHOULDERS, 6 1/4″
20. PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
21. PROP. SUBBASE GRANULAR MATERIAL, TYPE B, 4″
22. PROP. AGGREGATE SHOULDER, TYPE B, 6″
- *** 23. PROP. AGGREGATE SUBGRADE IMPROVEMENT, CU YD″

PAVEMENT MARKING LEGEND

- A PAVEMENT MARKING. TAPE , TYPE IV, 4″ (WHITE)
- B PAVEMENT MARKING. TAPE , TYPE IV, 4″ (YELLOW)
- C PAVEMENT MARKING. TAPE , TYPE IV, 4″ (DOUBLE YELLOW)
- D PAVEMENT MARKING. TAPE , TYPE IV, 4″ (SKIP YELLOW)
- E PAVEMENT MARKING. TAPE , TYPE IV, 6″ (WHITE)
- F PAVEMENT MARKING. TAPE , TYPE IV, 12″ (YELLOW)
- G PAVEMENT MARKING. TAPE , TYPE IV, 24″ (WHITE)
- H PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

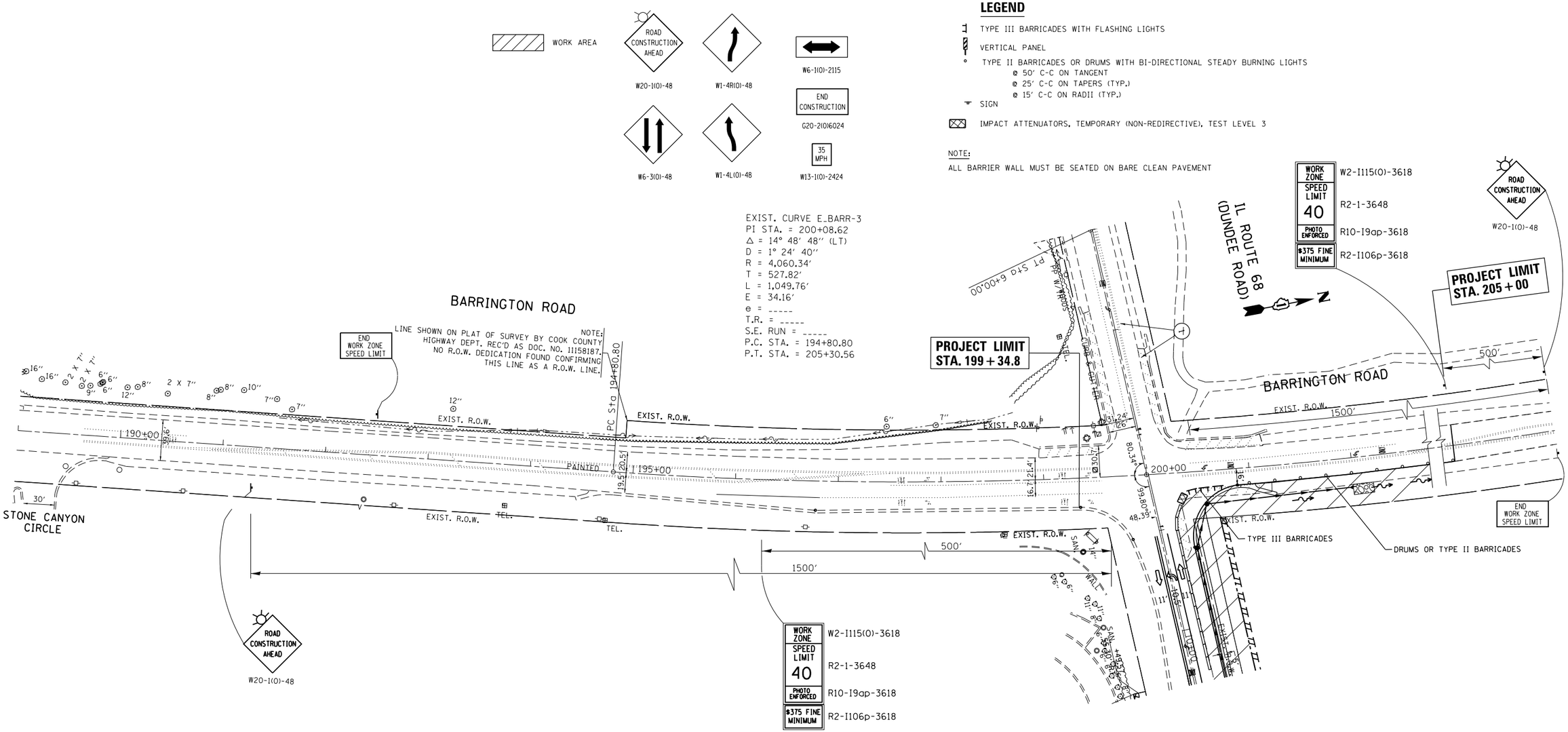
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148154\Data\Design\D1148154-sht-staging.dgn	USER NAME = abebawa	DESIGNED - ___	REVISED - ___
		DRAWN -	REVISED - ___
	PLOT SCALE = 100.0795 ′ / in.	CHECKED - ___	REVISED -
	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 68 (DUNDEE RD.) AT GROVE AVE.
CONSTRUCTION TYPICAL SECTION

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	36
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (SKIP YELLOW)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

NOTE:

ALL TEMPORARY CONCRETE BARRIER SHALL BE PINNED BOTH IN STAGE I & II

FILE NAME = D1148I5-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 68 AT GROVE AVE.
CONSTRUCTION STAGE I

SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	37
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		

LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

NOTE:
ALL BARRIER WALL MUST BE SEATED ON BARE CLEAN PAVEMENT

WORK AREA

ROAD CONSTRUCTION AHEAD
W20-1(0)-48

W1-4R(0)-48

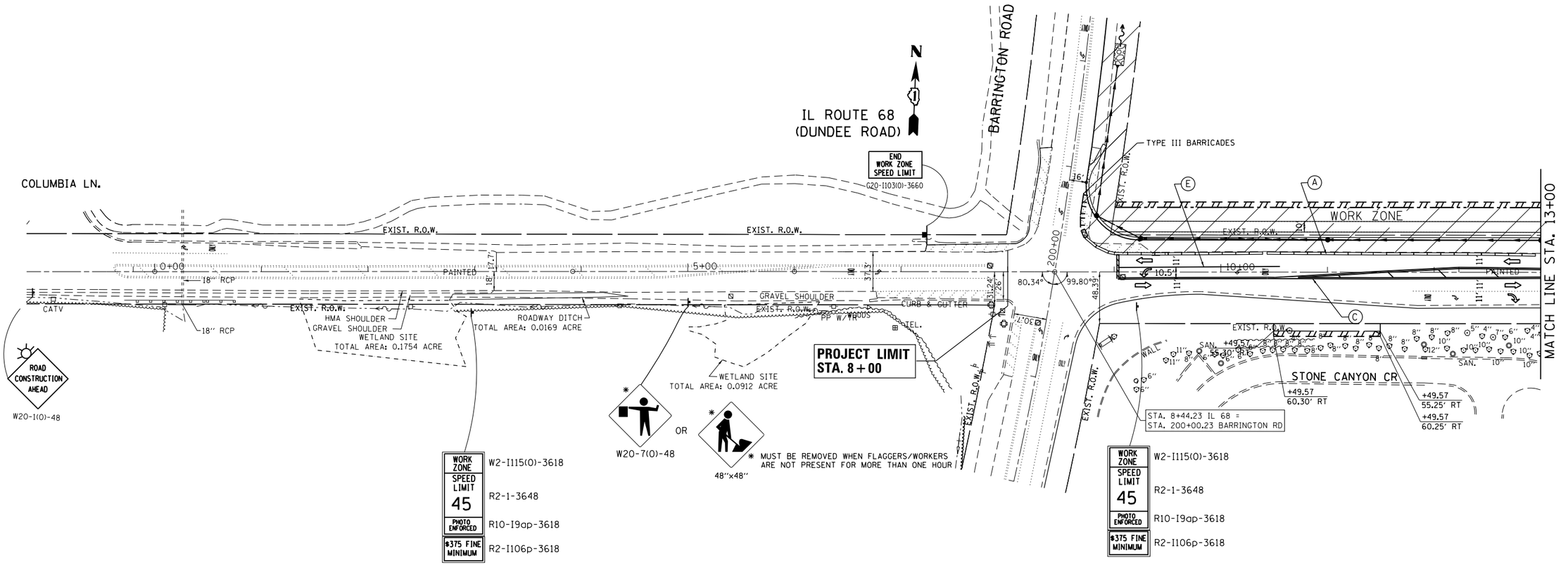
W6-1(0)-2115

END CONSTRUCTION
G20-2(0)6024

W6-3(0)-48

W1-4L(0)-48

35 MPH
W13-1(0)-2424



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (SKIP YELLOW)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

NOTE:
ALL TEMPORARY CONCRETE BARRIER SHALL BE PINNED BOTH IN STAGE I & II

FILE NAME = D114815-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 68 AT GROVE AVE.
CONSTRUCTION STAGE I

SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	38
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		

WORK AREA

ROAD CONSTRUCTION AHEAD
W20-1(0)-48

W1-4R(0)-48

W6-1(0)-2115

END CONSTRUCTION
G20-2(0)6024

W6-3(0)-48

W1-4L(0)-48

35 MPH
W13-1(0)-2424

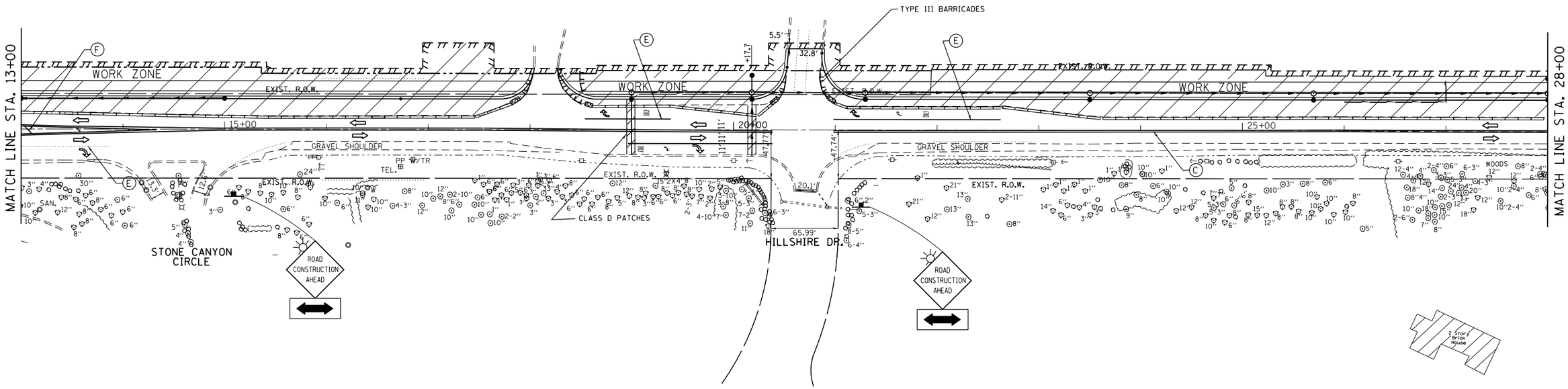
LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

NOTE:
ALL BARRIER WALL MUST BE SEATED ON BARE CLEAN PAVEMENT

IL ROUTE 68 (DUNDEE ROAD)

N



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (SKIP YELLOW)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6'' (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12'' (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24'' (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

NOTE:
ALL TEMPORARY CONCRETE BARRIER SHALL BE PINNED BOTH IN STAGE I & II

FILE NAME = D114815-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 68 AT GROVE AVE.
CONSTRUCTION STAGE I

SCALE: 1"= 50' | SHEET NO. OF SHEETS | STA. 20+00.00 TO STA. 43+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	39
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		

LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

NOTE:
ALL BARRIER WALL MUST BE SEATED ON BARE CLEAN PAVEMENT

WORK AREA

ROAD CONSTRUCTION AHEAD — W20-1(0)-48

W1-4R(0)-48

W6-1(0)-2115

END CONSTRUCTION — G20-2(0)6024

W6-3(0)-48

W1-4L(0)-48

35 MPH — W13-1(0)-2424

W20-7(0)-48 OR 48"x48" * MUST BE REMOVED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

ROAD CONSTRUCTION AHEAD — W20-1(0)-48

WORK ZONE — W2-I115(0)-3618
SPEED LIMIT 45 — R2-1-3648
PHOTO ENFORCED — R10-I9ap-3618
$375 FINE MINIMUM — R2-I106p-3618

ROAD CONSTRUCTION AHEAD

S. GROVE AVE.
RESURFACING LIMIT
STA. 51+29.4

MATCH LINE STA. 28+00

PROJECT LIMIT
STA. 36+50

IL ROUTE 68
(DUNDEE ROAD)

EXIST. R.O.W.

CLASS D PATCHES

WORK ZONE

AGG. SHLDR.

MULTIPLE1"

+54.45
53.22' RT
+54.45
58.22' RT
HMA

+6.06
47.1' RT
+6.06
53.08' RT

STA. 29+8.083 IL 68 =
STA. 50+20.42 GROVE AVE

END WORK ZONE SPEED LIMIT

STONE RET. WALL
IRON FENCE
BRK. GAZEBO

15" CUL.

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4" (WHITE)
- (B) PAVEMENT MARKING. TAPE , TYPE IV, 4" (YELLOW)
- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4" (DOUBLE YELLOW)
- (D) PAVEMENT MARKING. TAPE , TYPE IV, 4" (SKIP YELLOW)
- (E) PAVEMENT MARKING. TAPE , TYPE IV, 6" (WHITE)
- (F) PAVEMENT MARKING. TAPE , TYPE IV, 12" (YELLOW)
- (G) PAVEMENT MARKING. TAPE , TYPE IV, 24" (WHITE)
- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

NOTE:
ALL TEMPORARY CONCRETE BARRIER SHALL BE PINNED BOTH IN STAGE I & II

FILE NAME = D114815-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 68 AT GROVE AVE.
CONSTRUCTION STAGE I

SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	40
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		

LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- WORK AREA

NOTE:
ALL BARRIER WALL MUST BE SEATED ON BARE CLEAN PAVEMENT

ROAD CONSTRUCTION AHEAD — W20-1(0)-48

W1-4R(0)-48

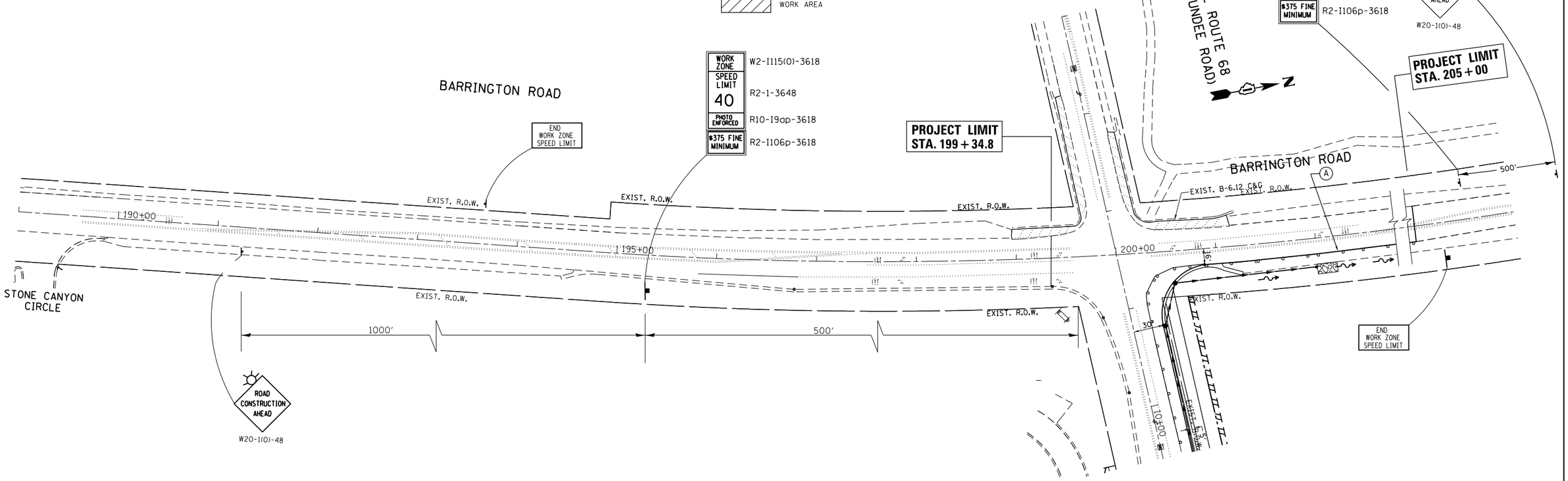
W6-1(0)-2115

END CONSTRUCTION — G20-2(0)6024

W6-3(0)-48

W1-4L(0)-48

35 MPH — W13-1(0)-2424



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (WHITE)
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- (C) PAVEMENT MARKING. TAPE , TYPE IV, 4'' (DOUBLE YELLOW)
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NOTE:
ALL TEMPORARY CONCRETE BARRIER SHALL BE PINNED BOTH IN STAGE I & II

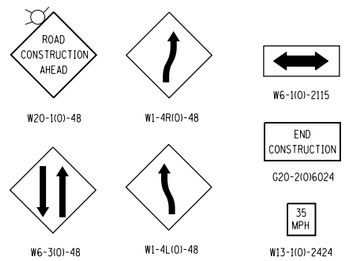
FILE NAME = D114815-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 68 AT GROVE AVE.
CONSTRUCTION STAGE II

SCALE: 1''= 50' | SHEET NO. OF SHEETS

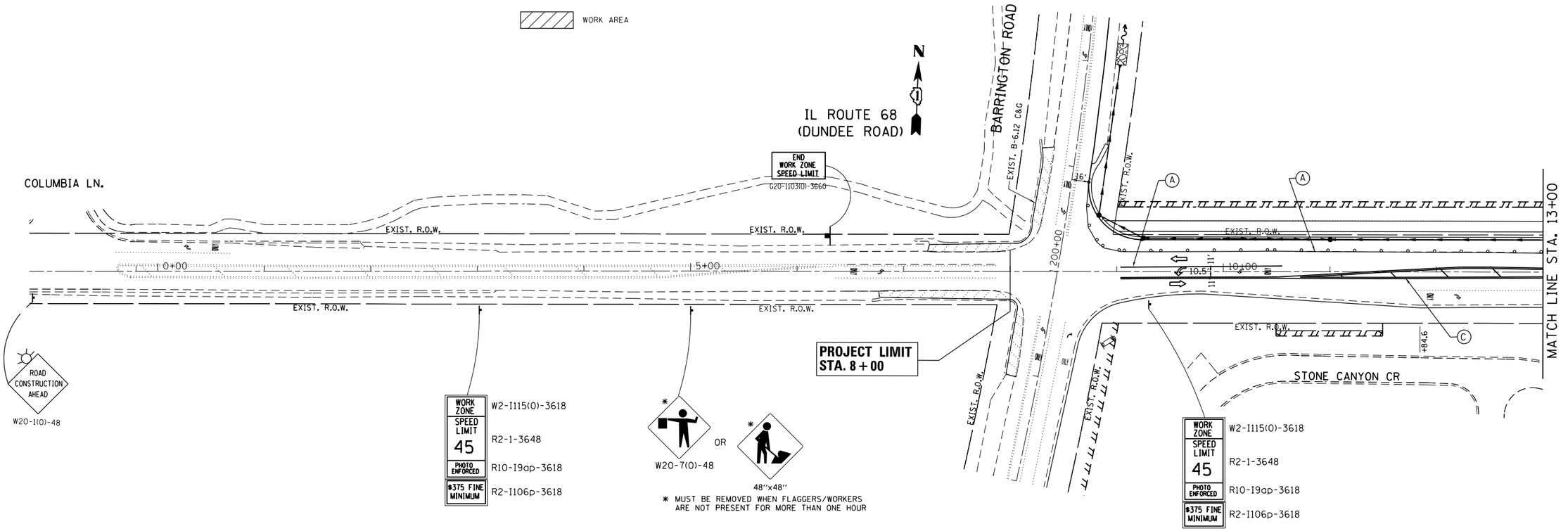
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	41
		CONTRACT NO. 62A36		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- WORK AREA

NOTE:
ALL BARRIER WALL MUST BE SEATED ON BARE CLEAN PAVEMENT



PAVEMENT MARKING LEGEND

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- (H) PAVEMENT MARKING. TAPE , TYPE IV- LETTERS AND SYMBOLS

NOTE:
ALL TEMPORARY CONCRETE BARRIER SHALL BE PINNED BOTH IN STAGE I & II

FILE NAME = D114815-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 68 AT GROVE AVE.
CONSTRUCTION STAGE II

SCALE: 1"= 50' | SHEET NO. OF SHEETS | STA. 05+00.00 TO STA. 20+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-1	COOK	120	42
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		

LEGEND

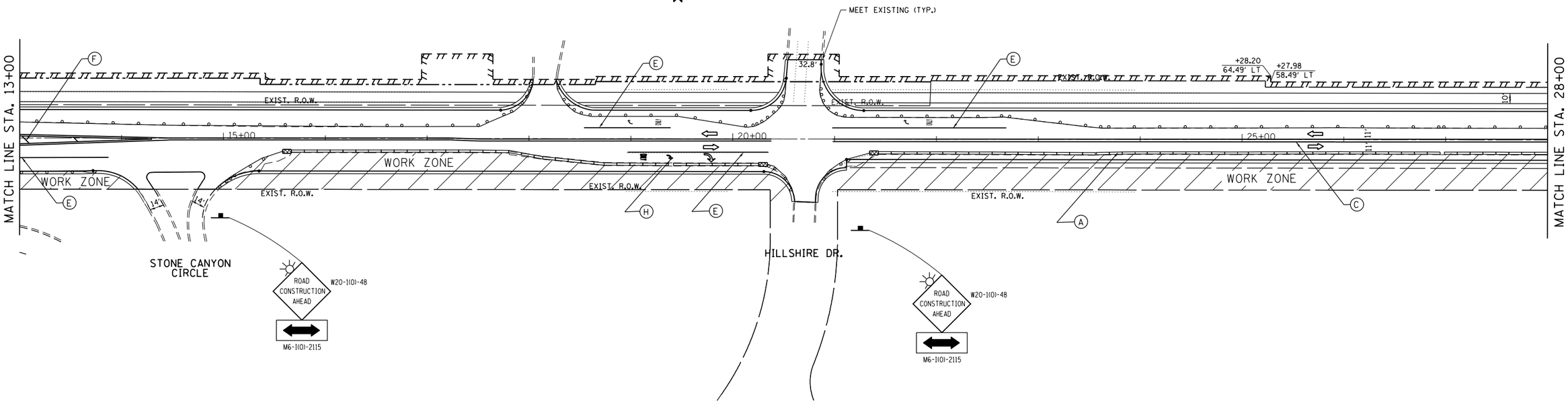
- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS
  - @ 50' C-C ON TANGENT
  - @ 25' C-C ON TAPERS (TYP.)
  - @ 15' C-C ON RADII (TYP.)
- SIGN
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- WORK AREA

NOTE:
ALL BARRIER WALL MUST BE SEATED ON BARE CLEAN PAVEMENT

ROAD CONSTRUCTION AHEAD — W20-1(0)-48
W1-4R(0)-48
W6-1(0)-2115
END CONSTRUCTION — G20-2(0)6024
W6-3(0)-48
W1-4L(0)-48
35 MPH — W13-1(0)-2424

IL ROUTE 68 (DUNDEE ROAD)

N



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NOTE:
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FILE NAME = D114815-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
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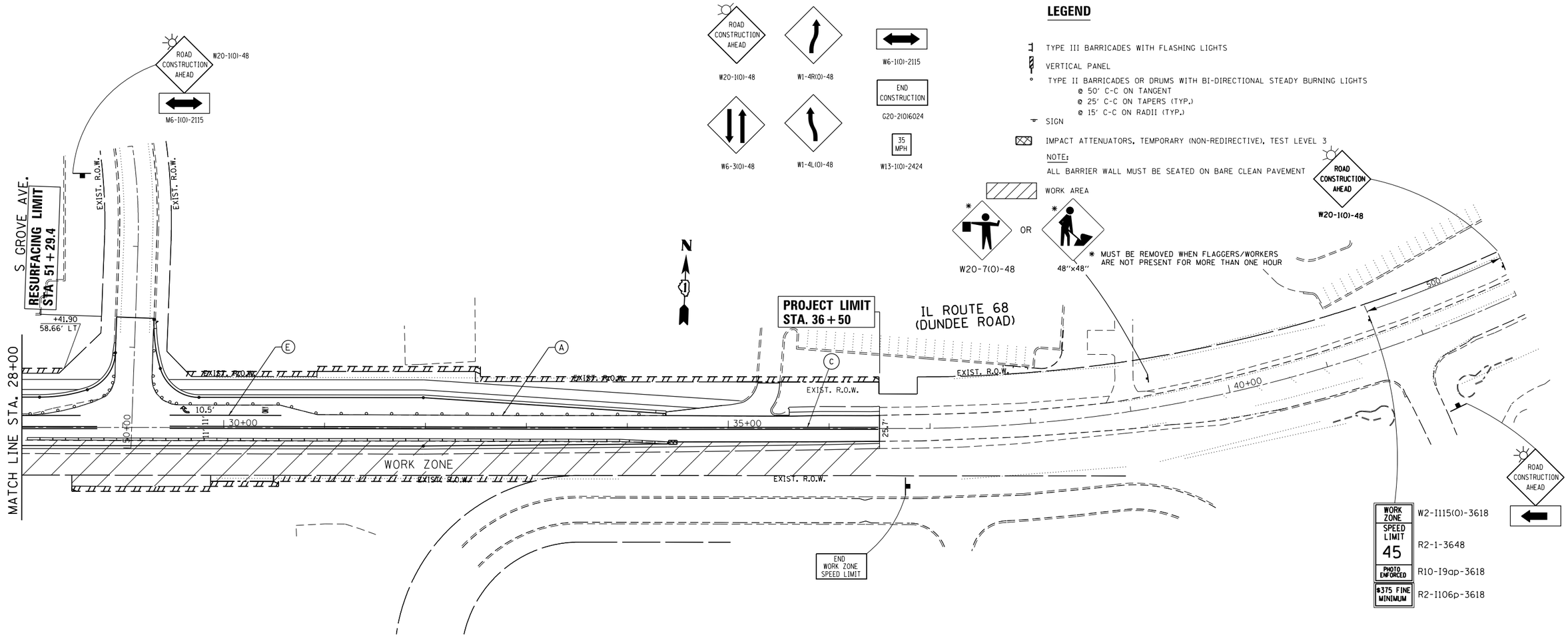
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 68 AT GROVE AVE.
CONSTRUCTION STAGE II
SCALE: 1"= 50' | SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-1	COOK	120	43
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

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NOTE:

ALL TEMPORARY CONCRETE BARRIER SHALL BE PINNED BOTH IN STAGE I & II

FILE NAME = D114815-sht-staging.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
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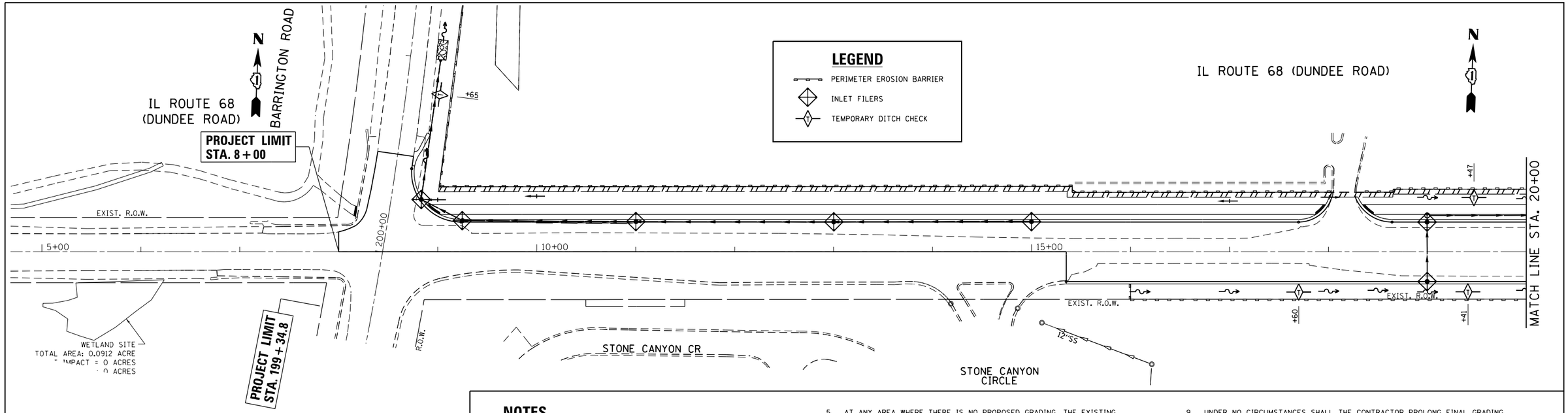
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 68 AT GROVE AVE.
CONSTRUCTION STAGE II

SCALE: 1''= 50' | SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	44
		CONTRACT NO. 62A36		
		ILLINOIS	FED. AID PROJECT	

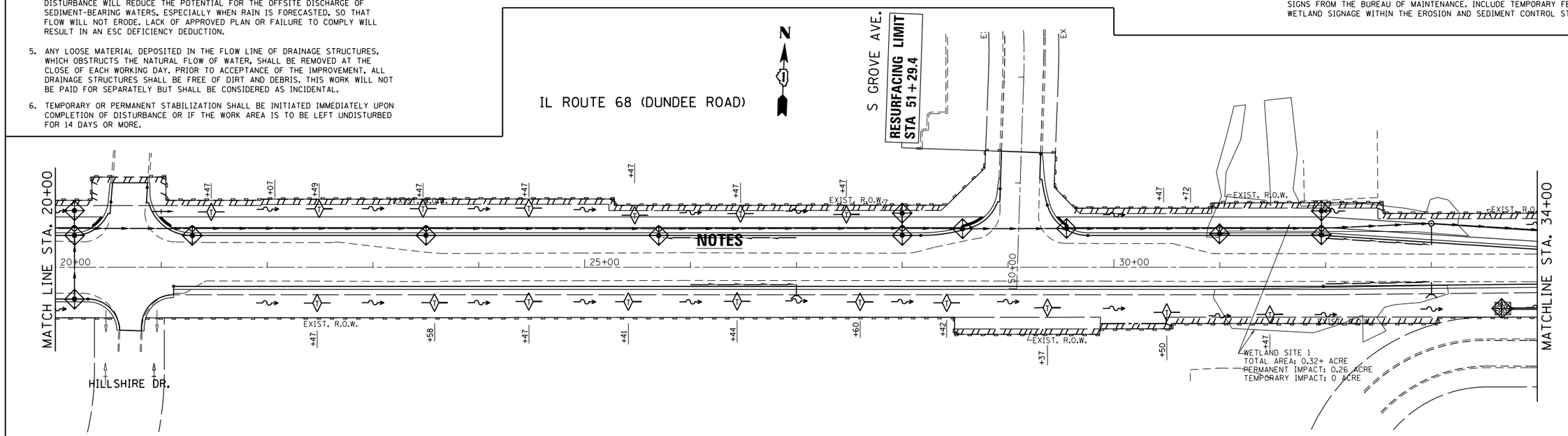


NOTES

1. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
3. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION ISPECTION (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control) AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)
4. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

NOTES

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
2. NPDES PERMIT IS REQUIRED FOR THE PROJECT.
3. THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED BEFORE THE AREA INVOLVED HAS BEEN DISTURBED.
4. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
6. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSUME THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGITATION.
9. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
10. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACA) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USAGE WEBSITE. THE USAGE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. "WETLAND NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.



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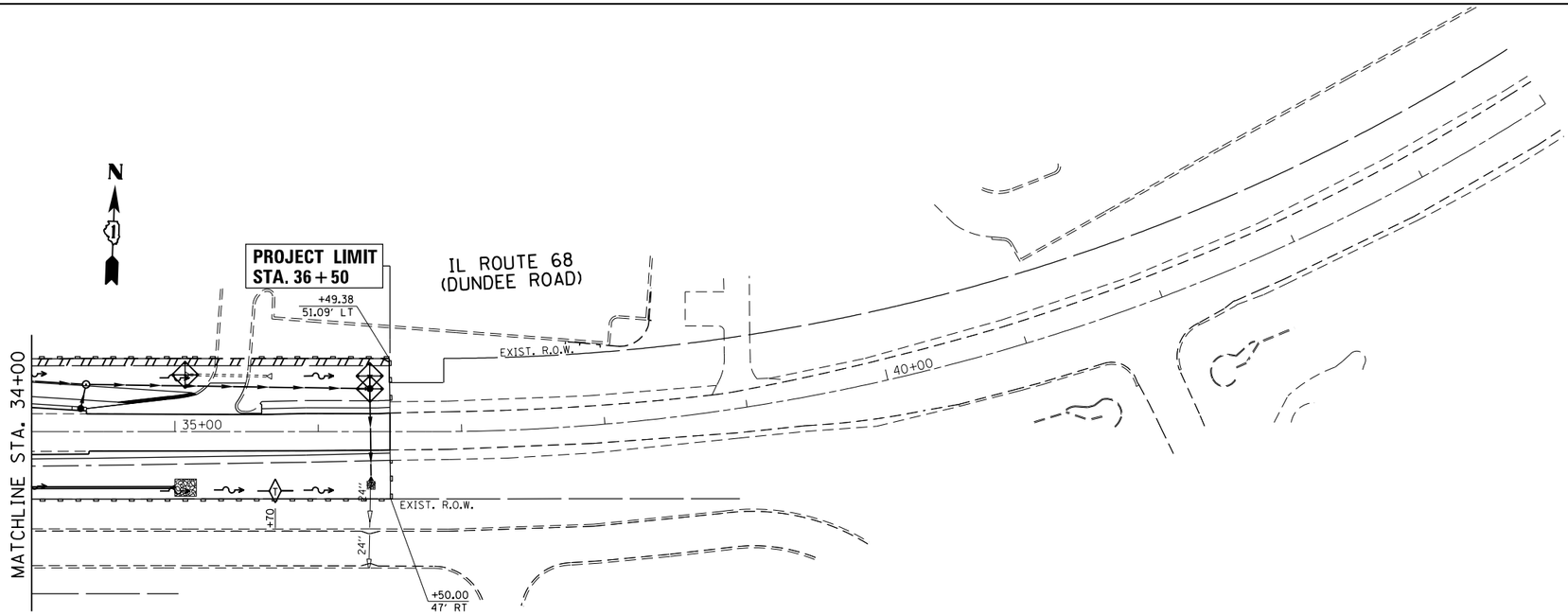
Default	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
IL. ROUTE 68 AT GROVE AVE.

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 42+00.00 TO STA. 20+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	45
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			



LEGEND

- PERIMETER EROSION BARRIER
- INLET FILERS
- TEMPORARY DITCH CHECK

1. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
3. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION ISPECTION (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control) AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)
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5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

NOTES

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
2. NPDES PERMIT IS REQUIRED FOR THE PROJECT.
3. THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED BEFORE THE AREA INVOLVED HAS BEEN DISTURBED.
4. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
6. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSUME THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES, DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
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11. "WETLAND NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -
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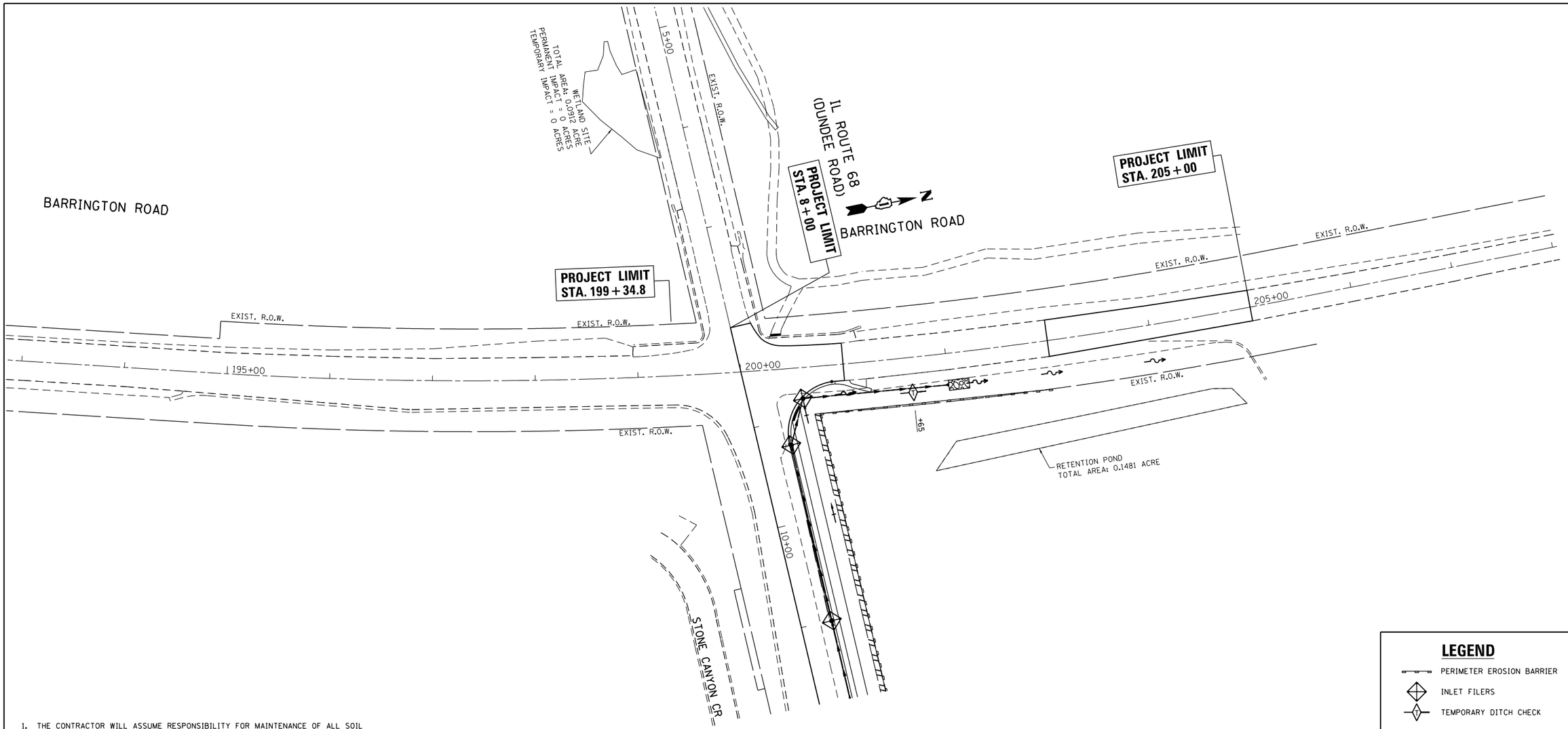
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
IL. ROUTE 68 AT GROVE AVE.

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 20+00.00 TO STA. 45+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	46
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		



1. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
3. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION ISPECTION (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control) AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)
4. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

NOTES

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
2. NPDES PERMIT IS REQUIRED FOR THE PROJECT.
3. THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED BEFORE THE AREA INVOLVED HAS BEEN DISTURBED.
4. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
6. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSUME THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES, DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGITATION.
9. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
10. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACA) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USAGE WEBSITE. THE USAGE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. "WETLAND NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
IL. ROUTE 68 AT GROVE AVE.

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 189+00.00 TO STA. 216+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	47
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

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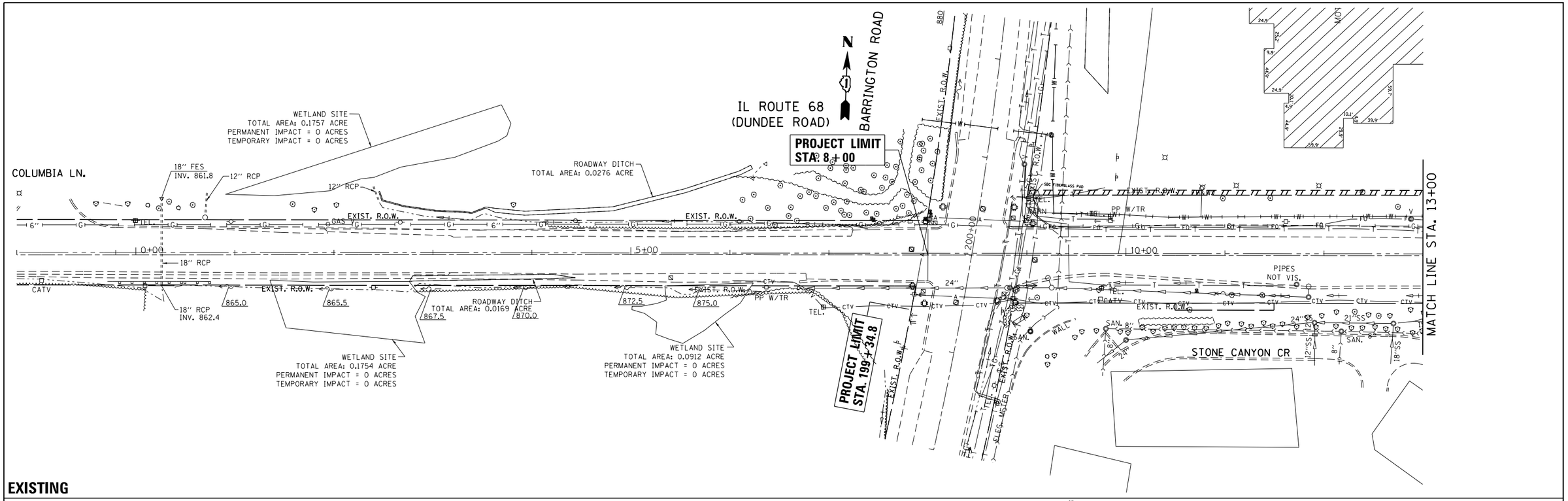

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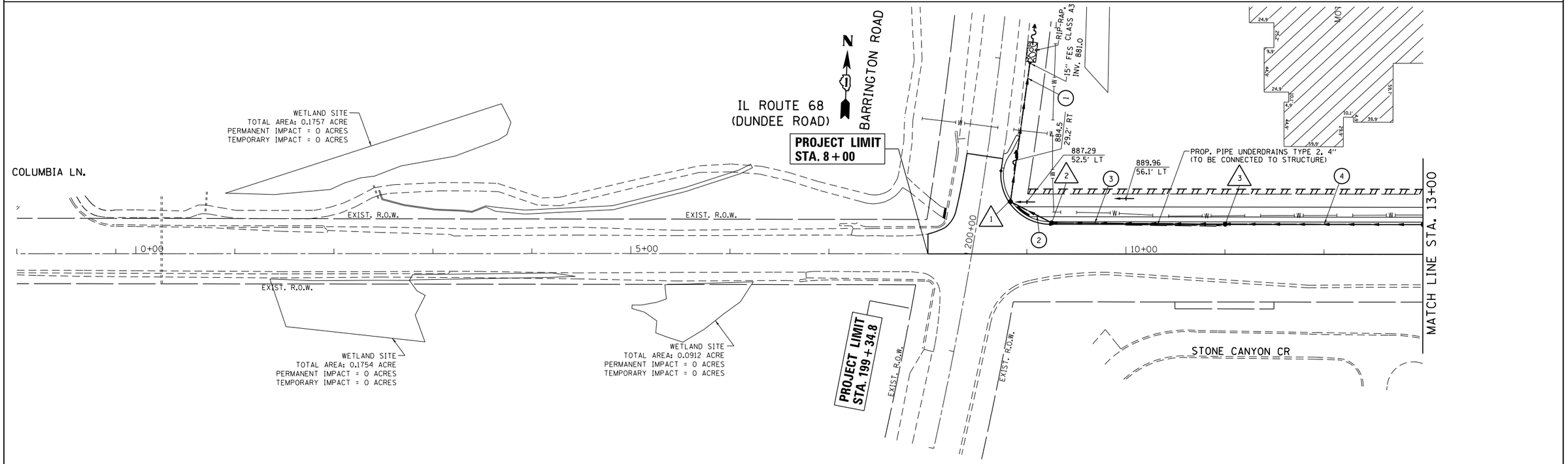

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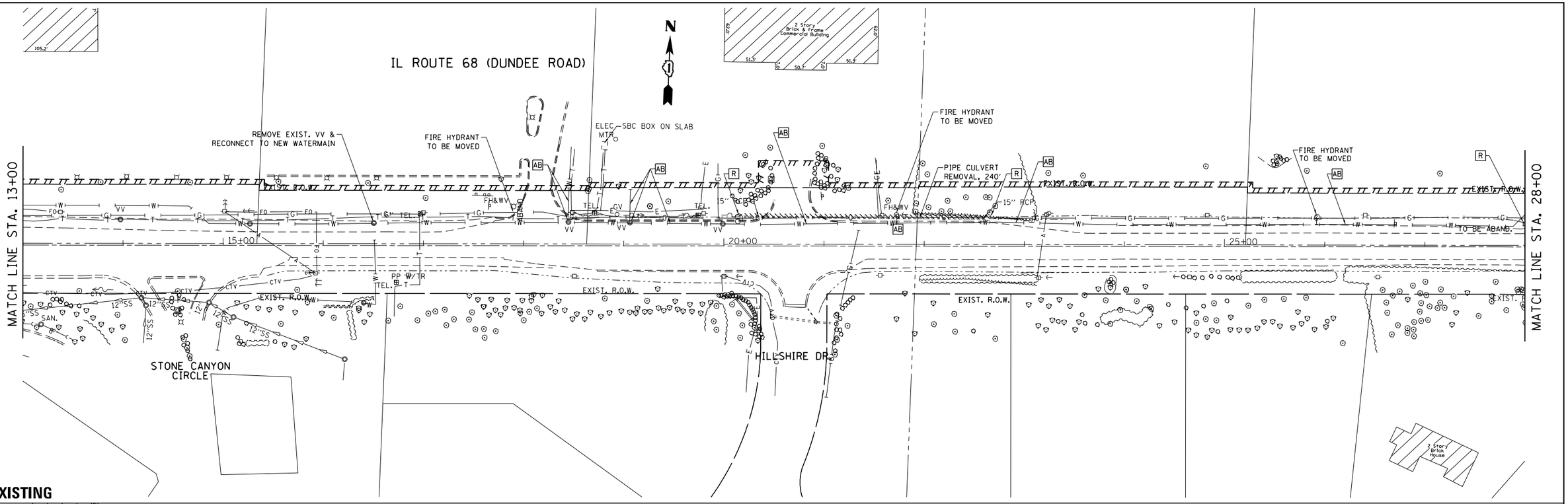
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	48
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

EXISTING



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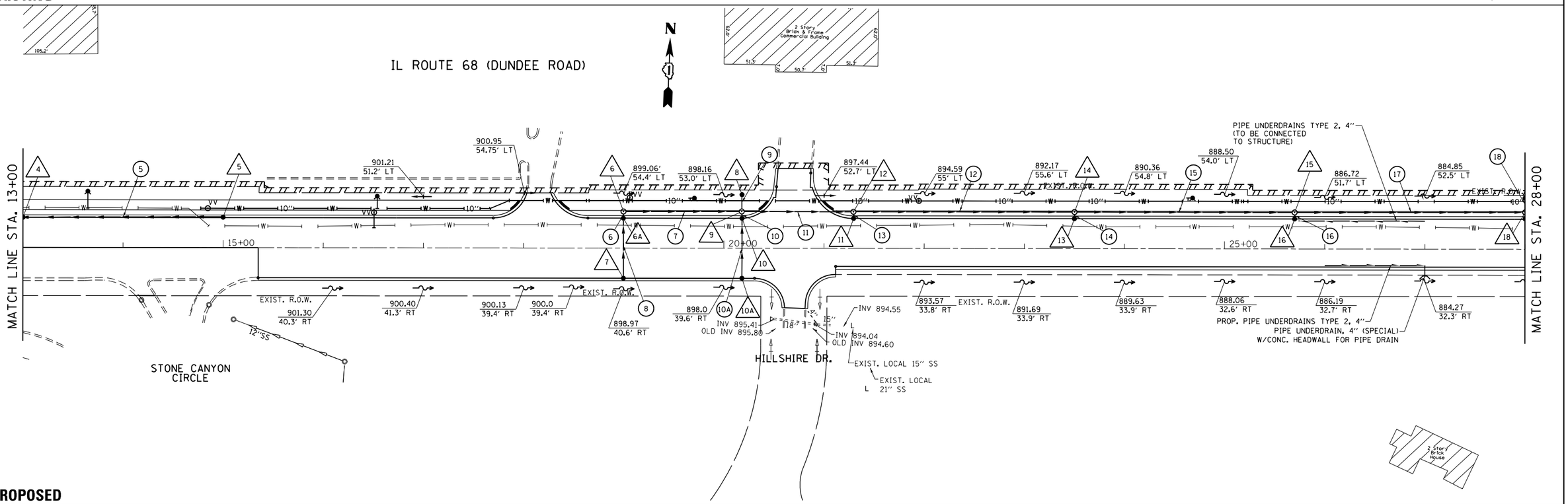

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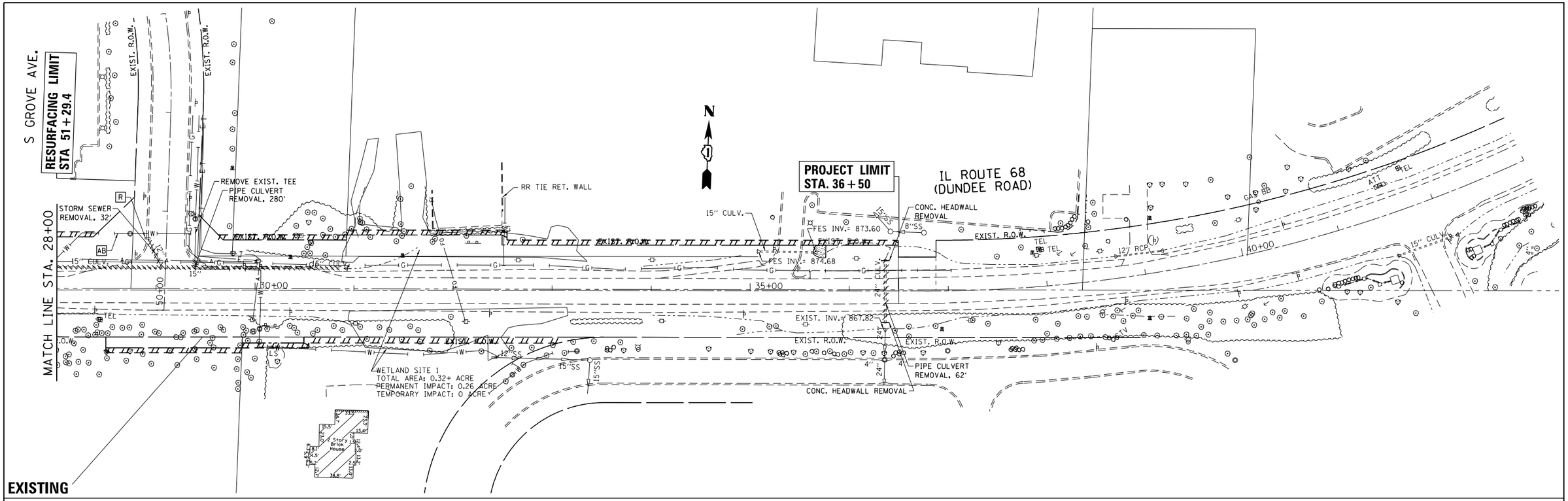
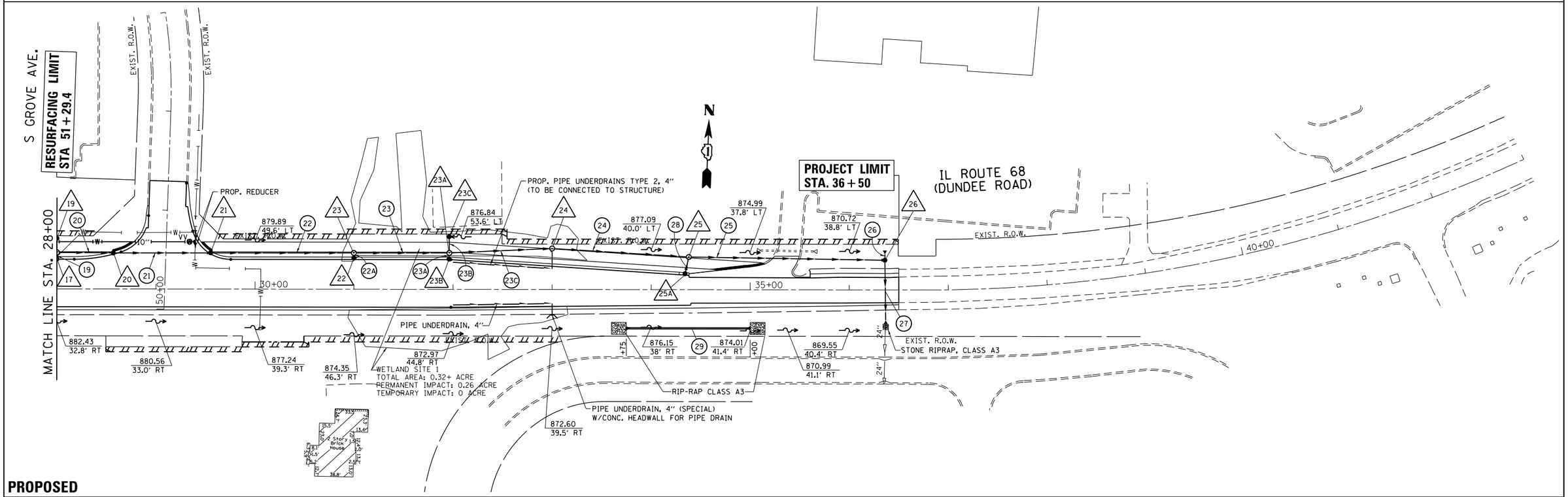
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	49
		CONTRACT NO. 62A36		
		ILLINOIS	FED. AID PROJECT	





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	50
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

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ALIGNMENT CHECKED
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NOTE BOOK
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BY
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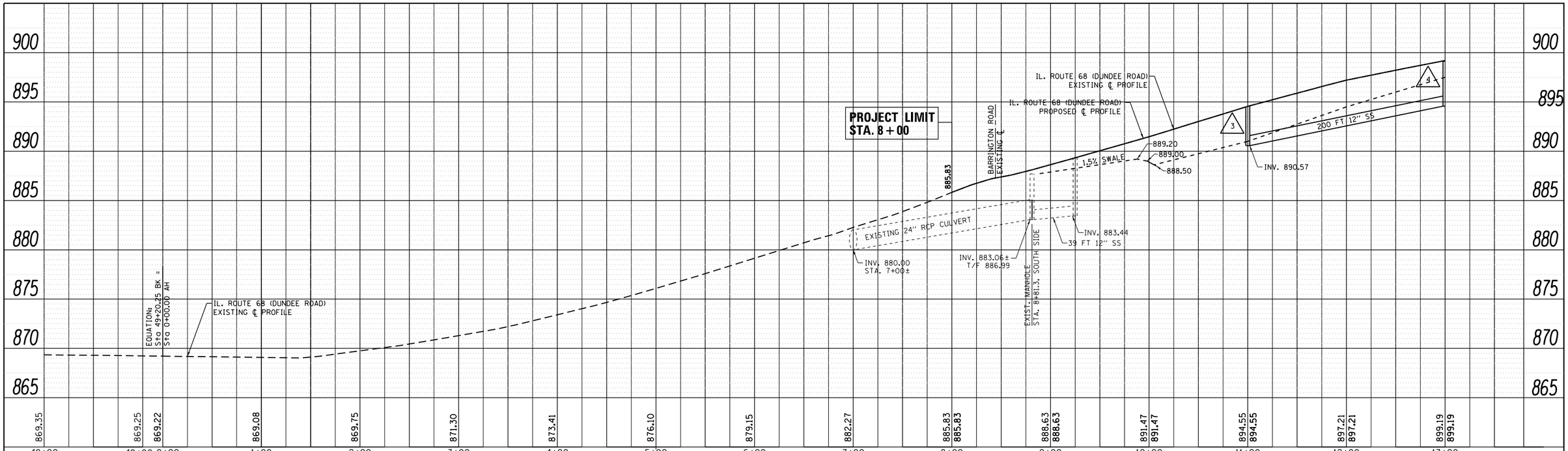

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R.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
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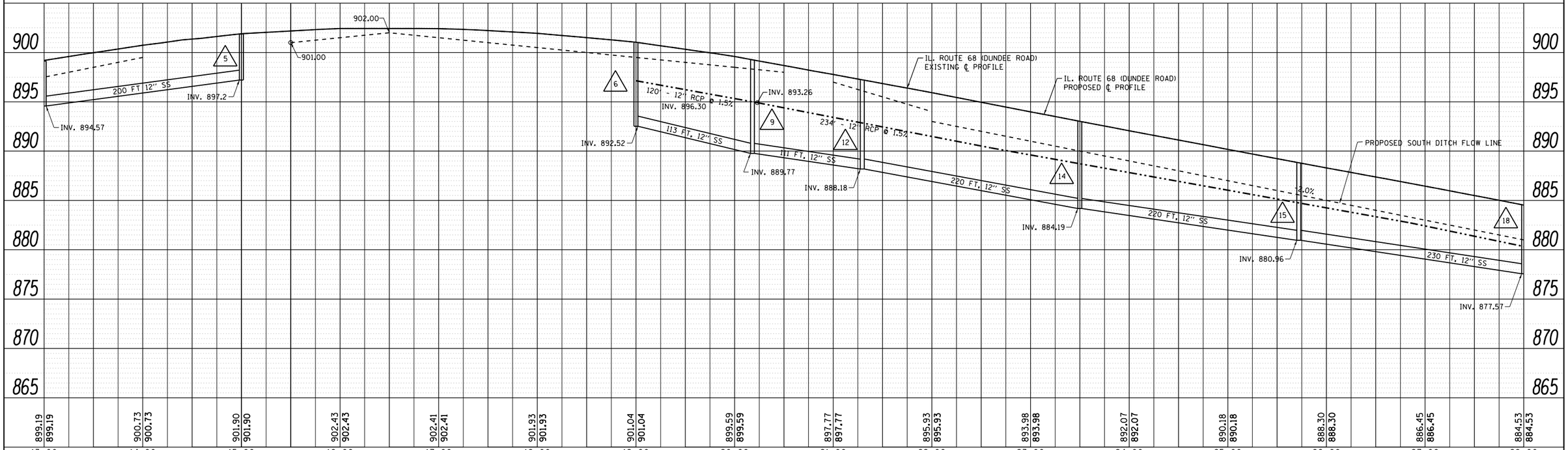
BY
DATE



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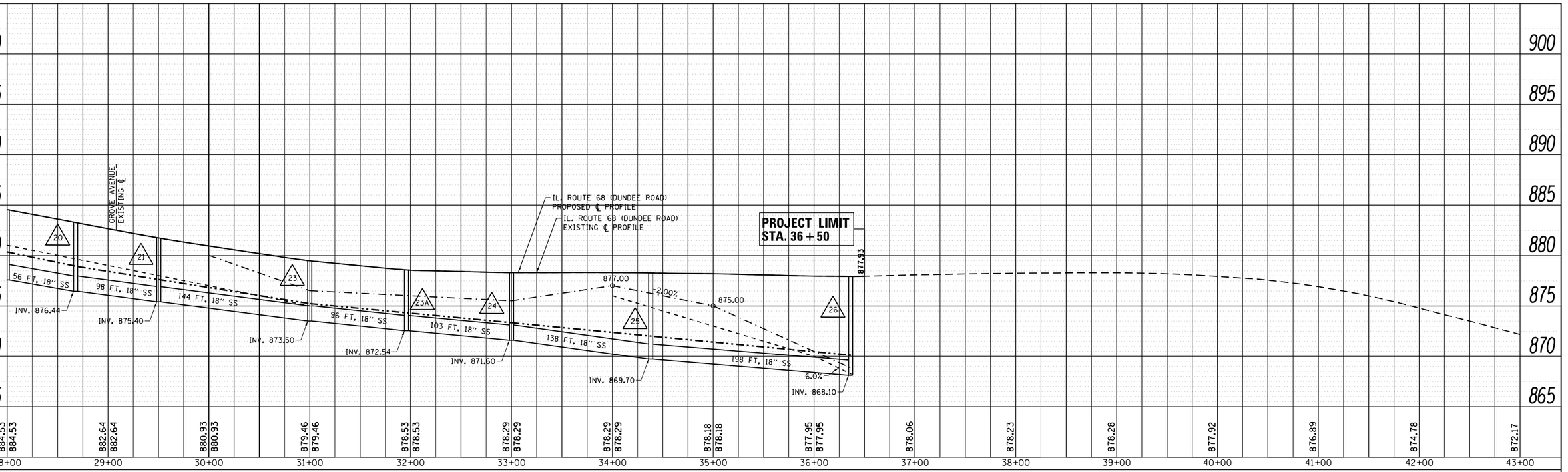
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PROFILE
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	51
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		



PLAN

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		DRAWN CHECKED
		ALIGNMENT CHECKED
		RT. OF WAY CHECKED
		CADD FILE NAME

NOTE BOOK
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PROFILE

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NOTE BOOK
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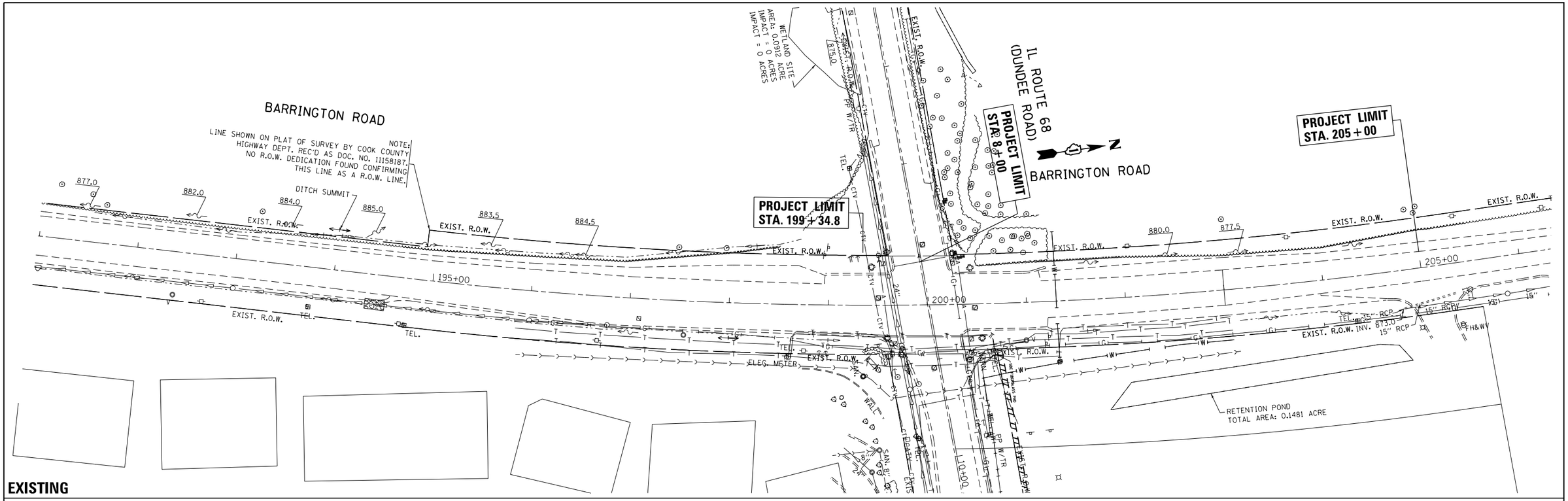
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50" | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	52
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	53
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

PLAN

	DATE
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PROFILE

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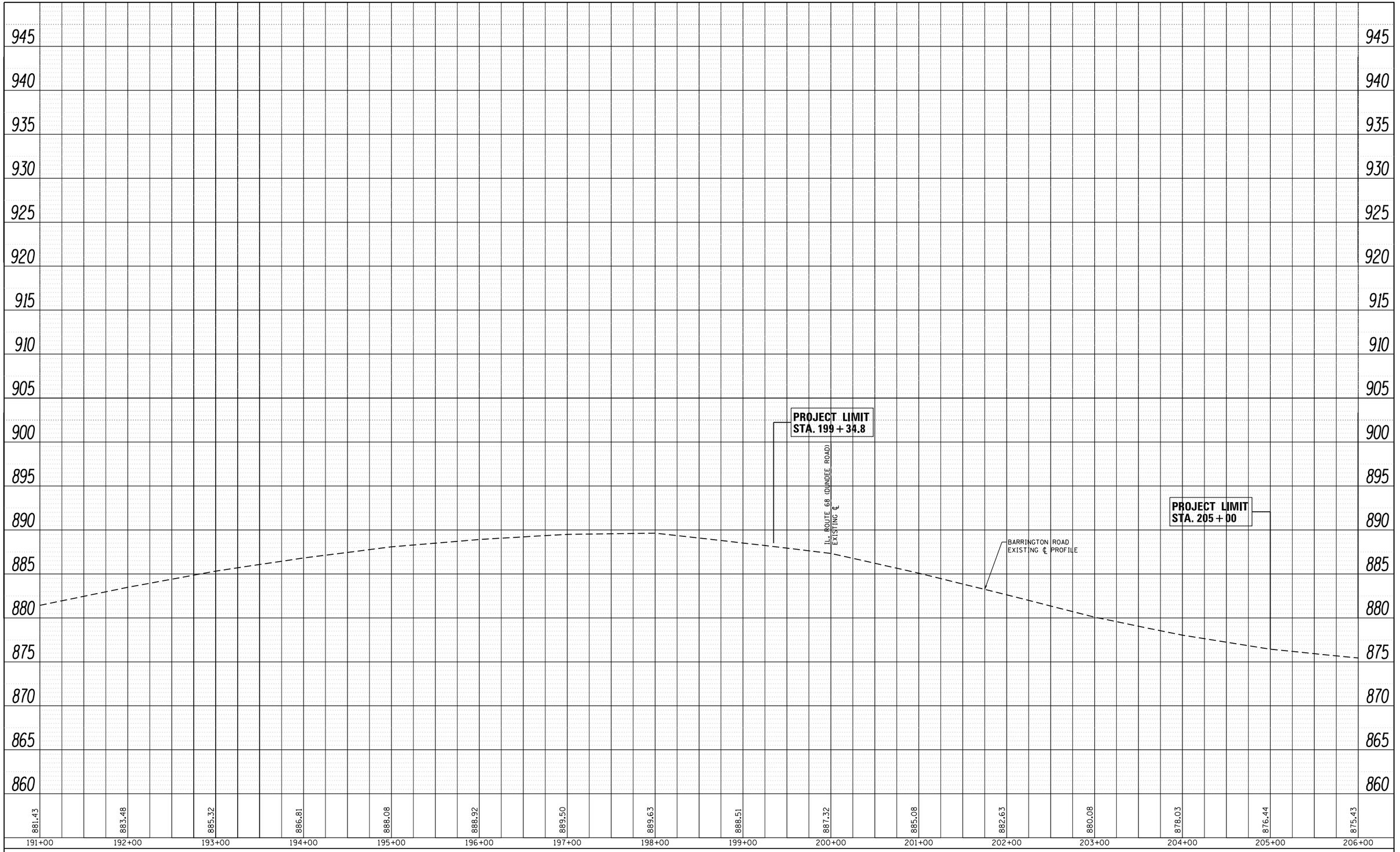

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Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
IL. ROUTE 68 AT GROVE AVENUE

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	54
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		

STRUCTURES

1
STA. 8+83 , LT. EOP
CATCH BASIN, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 24 FRAME & GRATE
T.O.G: 886.0
INV: 882.0 (N)
INV: 882.0 (SE)

2
STA. 9+25, LT. EOP
CATCH BASIN, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 24 FRAME & GRATE
T.O.G: 888.62
INV: 883.78 (NW)

3
STA. 11+00, LT. EOP
CATCH BASIN, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 24 FRAME & GRATE
T.O.G: 894.08
INV: 890.57 (W)
INV: 890.57 (E)

4
STA. 13+00, LT. EOP
CATCH BASIN, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 24 FRAME & GRATE
T.O.G: 898.63
INV: 894.57 (W)
INV: 894.57 (E)

5
STA. 15+00, LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 901.21
INV: 897.2 (W)

6
STA. 19+00, 36.6 FT LT.
MANHOLE, TYPE A, 4 FT DIA.
W/ TYPE 1 FRAME, CL
T.O.G: 900.19
INV: 895.14 (S)
INV: 892.52 (E)

6A
STA. 19+00, LT. EOP
CATCH BASIN, TYPE A, 4 FT DIA.
W/ TYPE 24 FRAME & GRATE
T.O.G: 900.21
INV: 895.18 (N)
INV: 895.18 (S)

7
STA. 19+00, LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 900.28
INV: 896.00 (N)

8
STA. 20+18.1, 53.5 FT LT.
CATCH BASIN, TYPE C
W/ TYPE 8 GRATE
T.O.G: 897.99
INV: 894.99 (S)

9
STA. 20+18.1, 36.6 FT LT.
MANHOLE, TYPE A, 5 FT DIA. [FLAT SLAB TOP]
W/ TYPE 1 FRAME, CL
T.O.G: 898.23
INV: 889.77 (E)
INV: 889.77 (W)
INV: 894.73 (N)
INV: 895.10 (S)

10
STA. 20+18.1, LT. EOP
CATCH BASIN, TYPE A, 4FT DIA. [FLAT SLAB TOP]
W/ TYPE 24 FRAME & GRATE
T.O.G: 899.69
INV: 895.15 (N)
INV: 895.15 (S)

10A
STA. 20+18.1, RT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 899.57
INV: 895.57 (N)

11
STA. 21+29.5, LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 896.83
INV: 892.22 (N)

12
STA. 21+29.5, 36.6 FT LT.
MANHOLE, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 1 FRAME, CL
T.O.G: ±896.79
INV: 888.18 (E)
INV: 888.18 (W)
INV: 892.15 (S)

13
STA. 23+50 , LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ±892.55
INV: 888.45 (N)

14
STA. 23+50 , 36.6 FT LT.
MANHOLE, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 1 FRAME, CL
T.O.G: 892.39
INV: 884.19 (E)
INV: 884.19 (W)
INV: 888.37 (S)

15
STA. 25+70 , 36.6 FT LT.
MANHOLE, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 1 FRAME, CL
T.O.G: 888.18
INV: 880.96 (E)
INV: 880.96 (W)
INV: 884.27 (S)

16
STA. 25+70, LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ±888.45
INV: 884.35 (N)

17
STA. 28+00, LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 883.85
INV: 880.46 (N)

18
STA. 28+00, 36.5 FT RT.
MANHOLE, TYPE A, 5 FT DIA. [FLAT SLAB TOP]
W/ TYPE 1 FRAME, CL
T.O.G: 883.67
INV: 877.57 (E)
INV: 877.57 (W)
INV: 880.42 (N)
INV: 880.42 (S)

19
STA. 28+00, 51 FT LT.
CATCH BASIN, TYPE C
W/ TYPE 8 GRATE
T.O.G: 883.57
INV: 880.57 (S)

20
STA. 28+79.8 , LT. EOP
CATCH BASIN, TYPE A, 4 FT DIA.
W/ TYPE 24 FRAME & GRATE
T.O.G: ±882.50
INV: 876.44 (E)
INV: 876.44 (W)

21
STA. 29+50.4, LT. EOP
CATCH BASIN, TYPE A, 4 FT DIA.
W/ TYPE 24 FRAME & GRATE
T.O.G: ±881.00
INV: 875.40 (E)
INV: 875.40 (W)

22
STA. 31+00, LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: 878.81
INV: 874.08 (N)

23
STA. 31+00, 36.6 FT LT.
MANHOLE, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 1 FRAME, CL
T.O.G: 878.79
INV: 873.50 (E)
INV: 873.50 (W)
INV: 874.00 (S)

23A
STA. 31+96.00, 36.6 FT LT.
MANHOLE, TYPE A, 4 FT DIA. [FLAT SLAB TOP]
W/ TYPE 1 FRAME, CL
T.O.G: ±877.90
INV: 872.54 (W)
INV: 872.54 (E)
INV: 872.54 (N)
INV: 873.50 (S)

23B
STA. 31+96.00, LT. EOP
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ±877.92
INV: 873.53 (N)

23C
STA. 31+96.00, 53.2 FT LT.
CATCH BASIN, TYPE C
W/ TYPE 8 GRATE
T.O.G: 876.51
INV: 872.68 (S)

24
STA. 33+00, 43.3 FT LT.
MANHOLE, TYPE A, 4 FT DIA.
W/ TYPE 1 FRAME, CL
T.O.G: 877.61
INV: 871.60 (E)
INV: 871.60 (W)

25
STA. 34+38, 33.4 FT LT.
MANHOLE, TYPE A, 4 FT DIA.
W/ TYPE 1 FRAME, CL
T.O.G: ±877.00
INV: 869.70 (W)
INV: 869.70 (E)
INV: 869.70 (S)

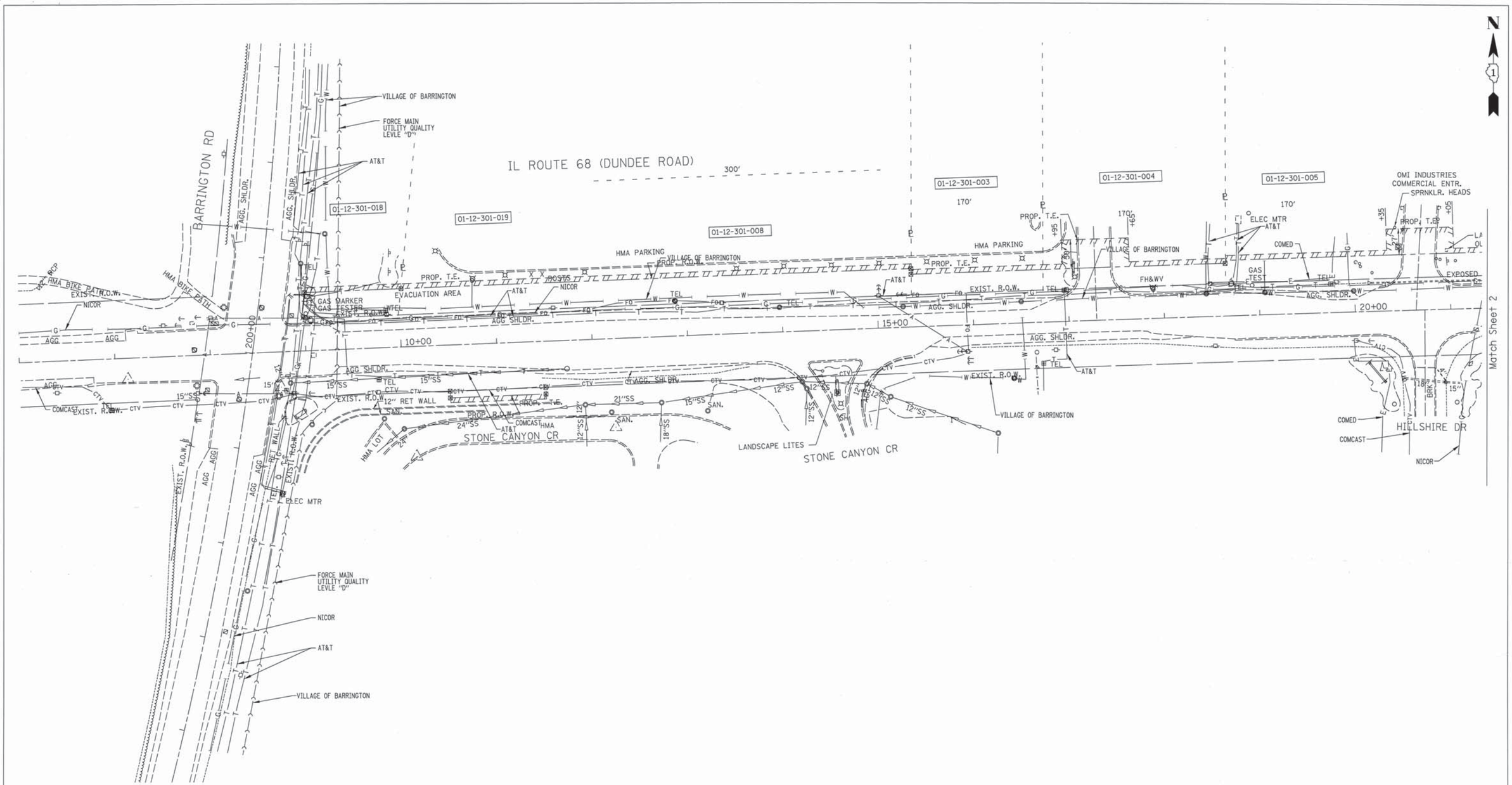
25A
STA. 36+33, EOP, LT.
CATCH BASIN, TYPE C
W/ TYPE 24 FRAME & GRATE
T.O.G: ±877.60
INV: 870.35 (N)

26
STA. 36+36.3, 30.1 FT LT.
MANHOLE, TYPE A, 6 FT DIA. [FLAT SLAB TOP]
W/ TYPE 1 FRAME, CL
T.O.G: 874.77
INV: 868.54 (N)
INV: 868.54 (S)
INV: 868.54 (W)

FILE NAME = D114815-sht-schedule.dgn	USER NAME = abebawa	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PIPE AND STRUCTURE TABLE IL. ROUTE 68 AT GROVE AVENUE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	REVISED -			343	3045N-2	COOK	120	55
	PLOT SCALE = 100.0000 ' / in.	CHECKED	REVISED -					CONTRACT NO. 62A36		
	PLOT DATE = 8/13/2018	DATE	-		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

PIPE TABLE

No.	PIPE TYPE	Dia. (inch)	TBF (cu yds)	Length (ft)
1	PROPOSED STORM SEWER, CLASS A, TYPE I, W/PRECAST REINF. CONC. FLARED END SECTION, INV: 881.0	15	0	139
2	PROPOSED STORM SEWER (WATERMAIN REQUIREMENTS)	12	15.7	46.7
3	PROPOSED STORM SEWER (WATERMAIN REQUIREMENTS)	12	30.3	175
4	PROPOSED STORM SEWER (WATERMAIN REQUIREMENTS)	12	26.4	200
5	PROPOSED STORM SEWER (WATERMAIN REQUIREMENTS)	12	32.4	200
6	PROPOSED STORM SEWER, CLASS A, TYPE II	12	1.7	6.5
7	PROPOSED STORM SEWER, CLASS A, TYPE II	12	124	118
8	PROPOSED STORM SEWER, CLASS A, TYPE II	12	21.7	60
9	PROPOSED STORM SEWER (WATERMAIN REQUIREMENTS)	12	11.9	16
10	PROPOSED STORM SEWER, CLASS A, TYPE II	12	.9	6.5
10A	PROPOSED STORM SEWER, CLASS A, TYPE II	12	11.0	60
11	PROPOSED STORM SEWER, CLASS A, TYPE II	12	107	111
12	PROPOSED STORM SEWER, CLASS A, TYPE II	12	265.5	220
13	PROPOSED STORM SEWER, CLASS A, TYPE II	12	4.3	6.5
14	PROPOSED STORM SEWER, CLASS A, TYPE II	12	1.1	6.5
15	PROPOSED STORM SEWER, CLASS A, TYPE II	12	230.8	220
16	PROPOSED STORM SEWER, CLASS A, TYPE II	12	1	6.5
17	PROPOSED STORM SEWER, CLASS A, TYPE II	12	200	230
18	PROPOSED STORM SEWER (WATERMAIN REQUIREMENTS)	12	2.9	14
19	PROPOSED STORM SEWER, CLASS A, TYPE II	12	1.5	6.5
20	PROPOSED STORM SEWER, CLASS A, TYPE II	18	45.4	56
21	PROPOSED STORM SEWER, CLASS A, TYPE II	18	36.3	98
22	PROPOSED STORM SEWER, CLASS A, TYPE II	18	103.7	144
22A	PROPOSED STORM SEWER, CLASS A, TYPE II	12	1.2	5
23	PROPOSED STORM SEWER, CLASS A, TYPE II	18	67.4	96
23A	PROPOSED STORM SEWER, CLASS A, TYPE II	12	1.2	6
23B	PROPOSED STORM SEWER, CLASS A, TYPE II	12	5.6	16
23C	PROPOSED STORM SEWER, CLASS A, TYPE II	18	77.9	103
24	PROPOSED STORM SEWER, CLASS A, TYPE II	18	127	138
25	PROPOSED STORM SEWER, CLASS A, TYPE II	18	62	198
26	PROPOSED STORM SEWER, CLASS A, TYPE II, W/PRECAST REINF. CONC. FLARED END SECTION, INV: 868.60	24	0	6
27	PROPOSED STORM SEWER, CLASS A, TYPE II, W/PRECAST REINF. CONC. FLARED END SECTION, INV: 868.10	24	30	60
28	PROPOSED STORM SEWER, CLASS A, TYPE II	12	16.5	17
29	PROPOSED PIPE CULVERT W/ PRECAST REINF. CONC. FLARED END SECTION, INV: 871.85 (W) AND INV: 871.0 (E)	15	0	117



AERIAL UTILITY	A
UNKNOWN	
CABLE TV	CTV
TELEPHONE	T
GAS	G
ELECTRIC	E
WATER	W
FIBER OPTIC	FO
FORCE MAIN	
TBE TEST HOLE	

UTILITY OWNERS

At&T = TELEPHONE
COMCAST = CATV
At&T = FIBER OPTIC
COMED = ELECTRIC
NICOR = GAS
VILLAGE OF BARRINGTON = WATER
VILLAGE OF BARRINGTON = FORCE MAIN

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 11/21/11 through 12/20/11. Changes to utilities after 12/20/11 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

20 0 METERS 20 40
50 0 FEET 50 100

LICENSED PROFESSIONAL ENGINEER
KENNETH F. SLANINKA, Jr.
062-055488
STATE OF ILLINOIS
Signature
1/4/12
date
license expires 11-30-13

Cardno TBE
CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510455
SUE Plan Page: 1 of 2

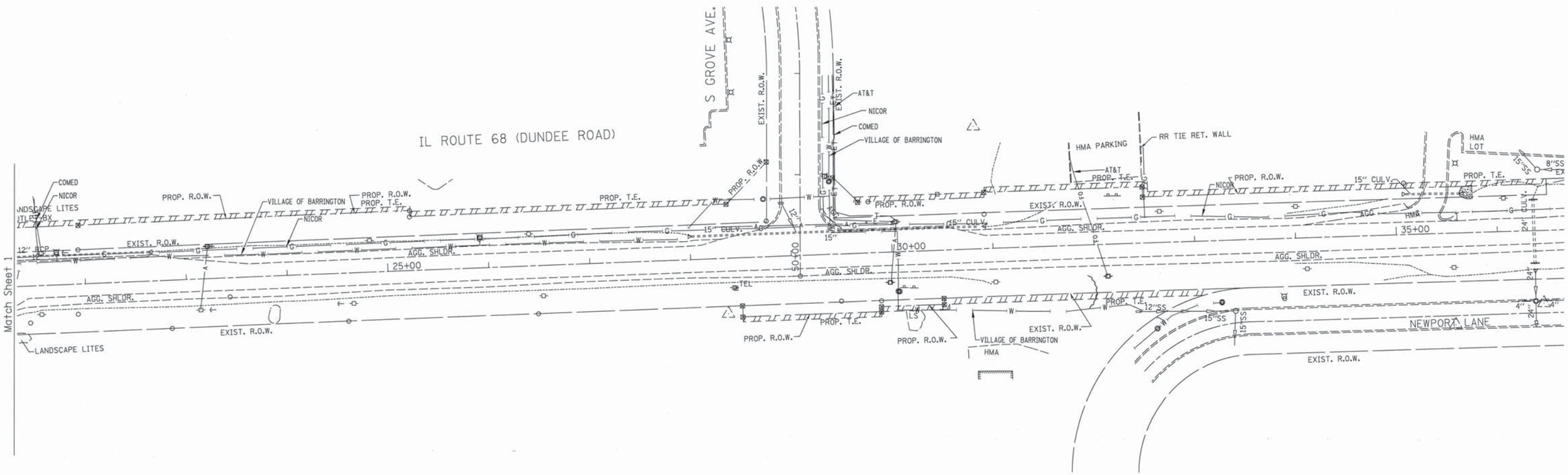
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/Test Holes not Visually Verified
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	EJ	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	1/03/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 68 at Grove Avenue in Inverness/Barrington

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	Cook	120	57
		Contract No. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		



A — A —	AERIAL UTILITY
	UNKNOWN
CTV — CTV —	CABLE TV
T — T —	TELEPHONE
G — G —	GAS
E — E —	ELECTRIC
W — W —	WATER
FO — FO —	FIBER OPTIC
— FORCE MAIN	
TBE TEST HOLE	

UTILITY OWNERS

At&T = TELEPHONE
COMCAST = CATV
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20 0 METERS 20 40
50 0 FEET 50 100

LICENSED PROFESSIONAL ENGINEER
KENNETH F. SLANINKA, Jr.
062-055488
STATE OF ILLINOIS
signature
1/31/12
date
license expires 11-30-13

Cardno TBE
CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510455
SUE Plan Page: 2 of 2

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/Test Holes not Visually Verified
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Utility Quality Level "D" : Records Research

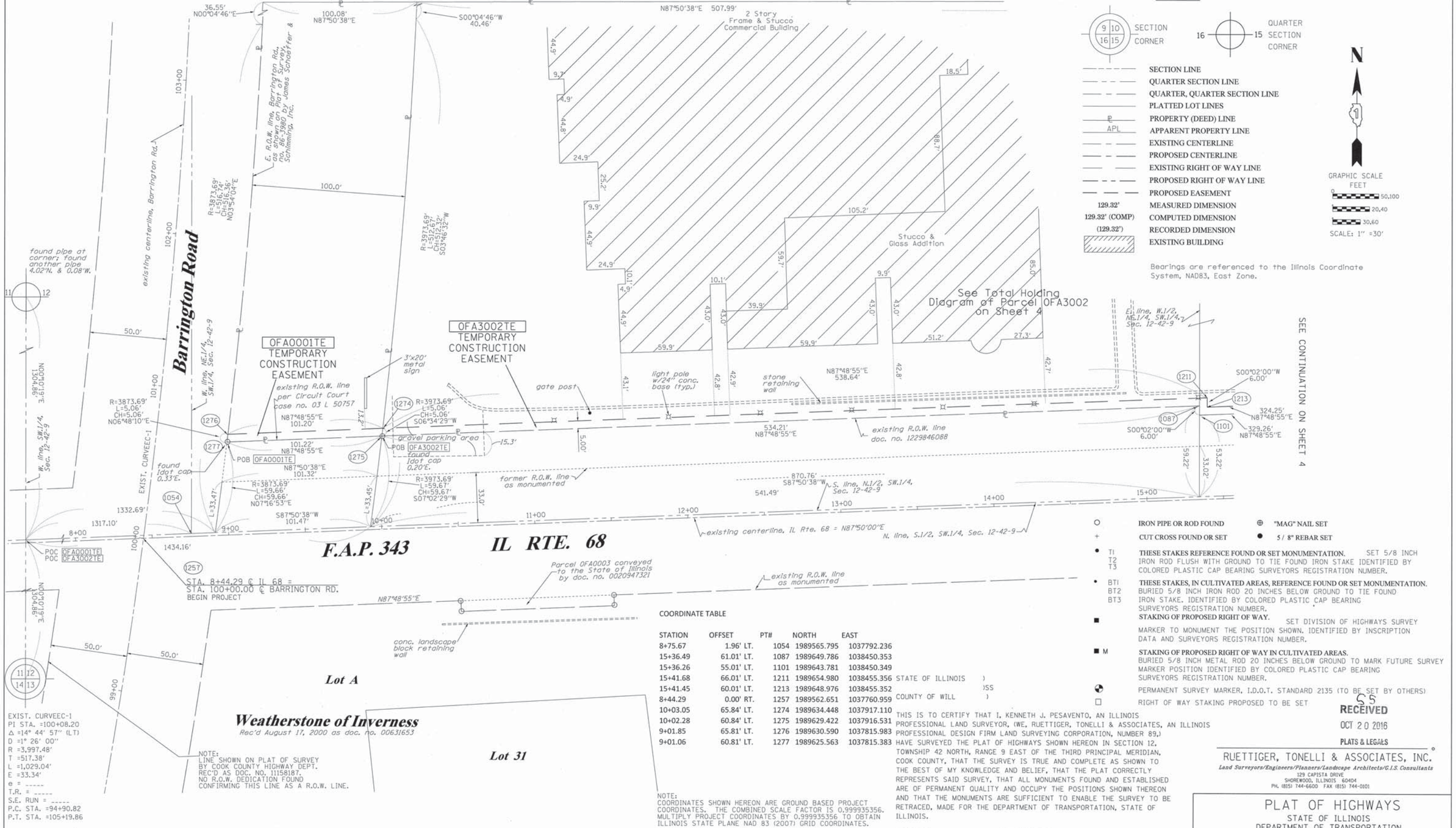
DESIGNED	EJ	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	1/03/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 68 at Grove Avenue in Inverness/Barrington

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	Cook	120	58
		Contract No. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		

PART OF THE SW.1/4 OF SECTION 12, TWP.42 N., R.9 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 50,100
20,40
30,60
SCALE: 1" =30'

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone.

COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
8+75.67	1.96' LT.	1054	1989565.795	1037792.236
15+36.49	61.01' LT.	1087	1989649.786	1038450.353
15+36.26	55.01' LT.	1101	1989643.781	1038450.349
15+41.68	66.01' LT.	1211	1989654.980	1038455.356
15+41.45	60.01' LT.	1213	1989648.976	1038455.352
8+44.29	0.00' RT.	1257	1989562.651	1037760.959
10+03.05	65.84' LT.	1274	1989634.448	1037917.110
10+02.28	60.84' LT.	1275	1989629.422	1037916.531
9+01.85	65.81' LT.	1276	1989630.590	1037815.983
9+01.06	60.81' LT.	1277	1989625.563	1037815.383

NOTE: COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999935356. MULTIPLY PROJECT COORDINATES BY 0.999935356 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OFA0001	VILLAGE OF BARRINGTON	1.133	0.00	N/A	1.133	0.012	N/A	CONST.	01-12-301-018	
OFA3002	DUNDEE & BARRINGTON, L.L.C., AN ILLINOIS LIMITED LIABILITY COMPANY	15.312	0.00	N/A	15.312	0.100	N/A	CONST.	01-12-301-008 01-12-301-004 01-12-301-019 01-12-301-003	

REVISION DATE: 10-19-16 / DELETE OFA4003TE; 6-15-16; 10-7-11; 10-6-11; 10-3-11

IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
CUT CROSS FOUND OR SET ● 5/8" REBAR SET

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION MISCEL. TYPO — MADE BY TLW
REVIEW REVISIONS — TLW
REVISED TE'S TO 3000 AND 4000 SERIES — TLW
ADD SW. ROW LINE & NOTE — TLW

RECEIVED
OCT 20 2016
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
129 CAPISTA DRIVE
SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 343 IL RTE. 68
LIMITS: BARRINGTON RD TO GROVE AVE
COUNTY: COOK
PROJECT
JOB NO.:R90-061-01
STATION 8+00
TO STATION 15+50
SCALE: 1"=30'
SHEET 2 OF 8

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

SHEET # 120 - 59

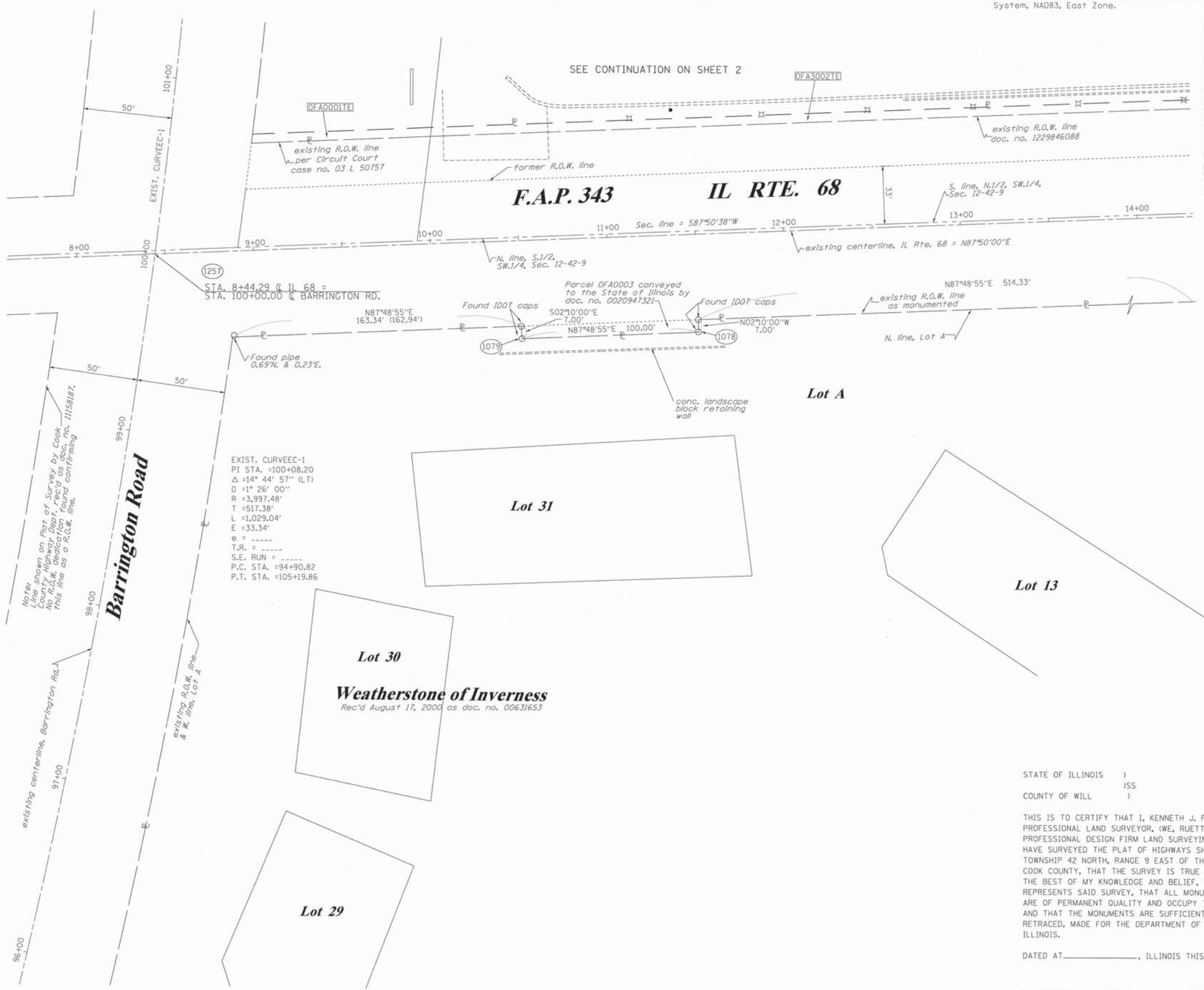
IL RTE. 68 | SECTION: | COUNTY | JOB NO.: R90-061-01 | RECORDING: RECORDED ON

SHEET 1 OF -- IS A COVER SHEET AND IS NOT RECORDED

RT&A 2011-0664

PART OF THE SW.1/4 OF SECTION 12, TWP.42 N., R.9 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone.



EXIST. CURVEEC-1
PI STA. =100+08.20
Δ =14° 44' 57" (LT)
D =1° 26' 00"
R =3,997.48'
T =517.38'
L =1,029.04'
E =33.34'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. =94+90.82
P.T. STA. =105+19.86

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 50,100 20,40 30,60
SCALE: 1" =30'

COORDINATE TABLE					
STATION	OFFSET		PT#	NORTH	EAST
11+50.00	55.11'	RT.	1078	1989519.136	1038068.531
10+50.00	55.14'	RT.	1079	1989515.324	1037968.603
8+44.29	0.00'	RT.	1257	1989562.651	1037760.959

NOTE:
COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999935356. MULTIPLY PROJECT COORDINATES BY 0.999935356 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

- ○ IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET
- ● T1 T2 T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- • BT1 BT2 BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____, ILLINOIS THIS_____DAY OF_____20___A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

58
RECEIVED
OCT 20 2016
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
129 CAPISTA DRIVE
SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101

REVISION DATE:
10-19-16 / REMOVE OFA4003TE
8-25-16
6-15-16
10-7-11
10-6-11

REVISION ADDED ROW AT SW CORNER & NOTE — MADE BY TLW
REVISED TE'S TO 3000 AND 4000 SERIES — TLW
REVIEW REVISIONS — TLW
TYPO — TLW

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 343 IL RTE. 68

LIMITS: BARRINGTON RD TO GROVE AVE — COUNTY: COOK
PROJECT — JOB NO.:R90-061-01
STATION 8+00 — TO STATION 14+00
SCALE: 1"=30' — SHEET 3 OF 8

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

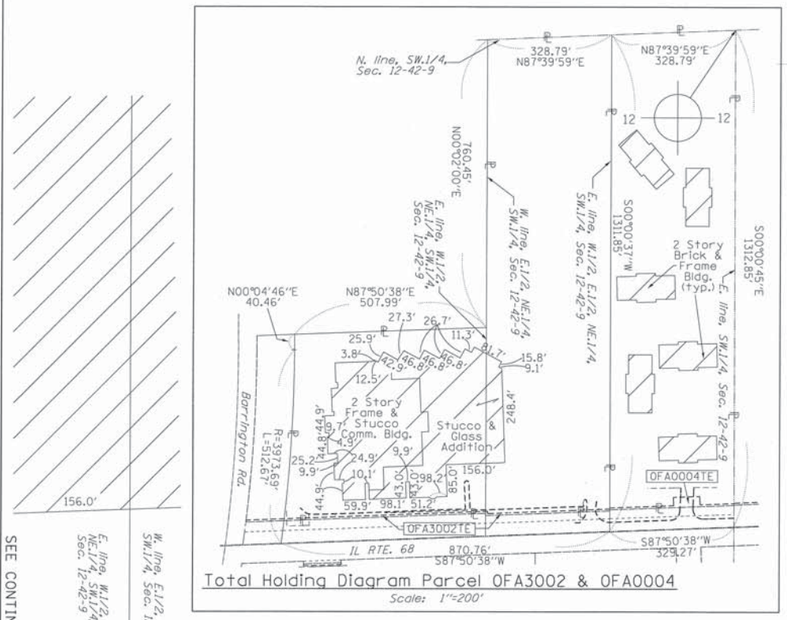
SHEET # 120-60

IL RTE. 68 | SECTION: | COOK COUNTY | JOB NO.: R90-061-01 | RECORDING: RECORDED ON

SHEET 1 OF -- IS A COVER SHEET AND IS NOT RECORDED
RT&A 2011-0664

PART OF THE SW.1/4 OF SECTION 12, TWP.42 N., R.9 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone.

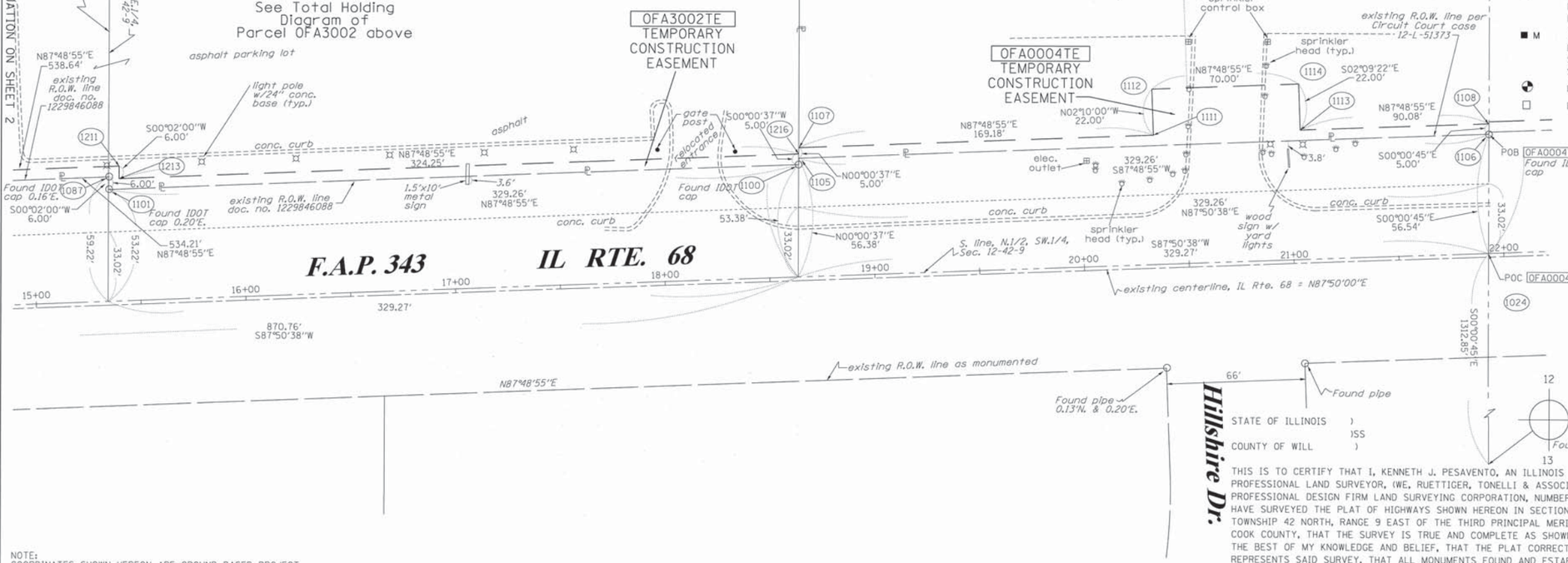


Total Holding Diagram Parcel OFA3002 & OFA0004

Scale: 1"=200'

See Total Holding Diagram of Parcel OFA3002 above

SEE CONTINUATION ON SHEET 2



SEE CONTINUATION ON SHEET 5

N87°39'59"E 328.79'

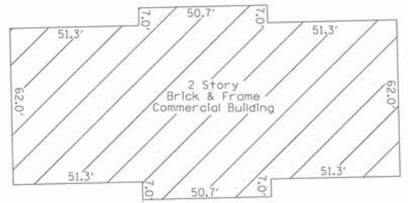
N. line, SW.1/4, Sec. 12-42-9

Found 2" pipe 0.19'S.

E. line, SW.1/4, Sec. 12-42-9

S00°00'45"E 1312.85'

Several other buildings exist within this parcel. See Detail to left.



LEGEND

- SECTION CORNER (9 10 / 16 15)
- QUARTER SECTION CORNER (16 — 15)
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
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- 129.32' — MEASURED DIMENSION
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- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET

0 50,100 20,40 30,60

SCALE: 1" =30'

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/ 8" REBAR SET

- ● TI, T2, T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATION	OFFSET		PT#	NORTH	EAST
21+92.76	1.71'	LT.	1024	1989615.345	1039108.401
15+36.49	61.01'	LT.	1087	1989649.786	1038450.353
18+65.52	55.11'	LT.	1100	1989656.333	1038779.369
15+36.26	55.01'	LT.	1101	1989643.781	1038450.349
18+65.63	58.11'	LT.	1105	1989659.335	1038779.370
21+94.89	58.21'	LT.	1106	1989671.886	1039108.389
18+65.82	63.11'	LT.	1107	1989664.339	1038779.371
21+95.08	63.21'	LT.	1108	1989676.890	1039108.387
20+35.00	63.16'	LT.	1111	1989670.788	1038948.426
20+35.00	85.16'	LT.	1112	1989692.772	1038947.594
21+05.00	63.19'	LT.	1113	1989673.456	1039018.375
21+05.00	85.19'	LT.	1114	1989695.441	1039017.548
15+41.68	66.01'	LT.	1211	1989654.980	1038455.356
15+41.45	60.01'	LT.	1213	1989648.976	1038455.352
18+65.71	60.11'	LT.	1216	1989661.337	1038779.370

NOTE:
COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999935356. MULTIPLY PROJECT COORDINATES BY 0.999935356 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OFA3002	DUNDEE & BARRINGTON, L.L.C., AN ILLINOIS LIMITED LIABILITY COMPANY	15.312	0.00	N/A	15.312	0.100	N/A	CONST.	01-12-301-008 01-12-301-004 01-12-301-019 01-12-301-003	
OFA0004	18 DUNDEE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	9.479	0.00	N/A	9.479	0.073	N/A	CONST.	01-12-301-005 01-12-301-006	

REVISION DATE: 6-15-16, 10-20-11, 10-11-11, 10-7-11

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____. ILLINOIS THIS____DAY OF_____20____A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISED TE'S TO 3000 & 4000 SERIES TLW
ADDED REMAINING BLDGS & SPRINKLER HEADS TO PARCEL 4 TLW
TYPO REVISIONS TLW
REVISION REVIEW REVISIONS MADE BY TLW

55

RECEIVED
JUL 28 2016
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
129 CAPISTA DRIVE
SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 343 IL RTE. 68

LIMITS: BARRINGTON RD TO GROVE AVE — COUNTY: COOK
PROJECT — JOB NO.:R90-061-01
STATION 15+00 — TO STATION 22+00
SCALE: 1"=30' — SHEET 4 OF 8

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

SHEET # 120-61

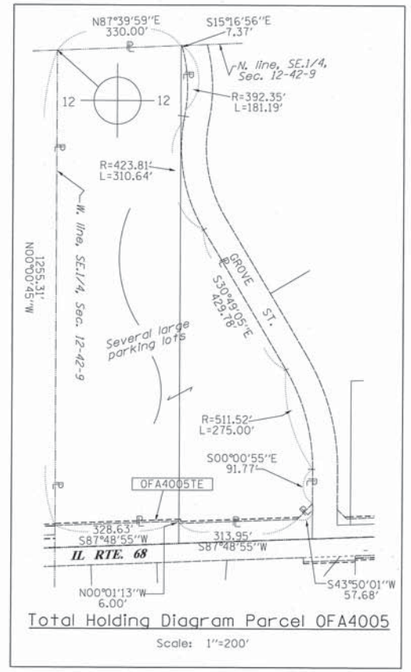
IL RTE. 68 | SECTION: | COUNTY | JOB NO.: R90-061-01 | RECORDING: RECORDED ON

SHEET 1 OF -- IS A COVER SHEET AND IS NOT RECORDED

RT&A 2011-0664

PART OF THE SE.1/4 OF SECTION 12, TWP.42 N., R.9 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone.



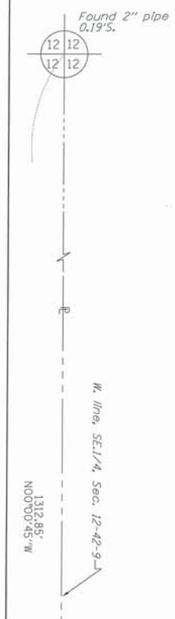
Total Holding Diagram Parcel OFA4005

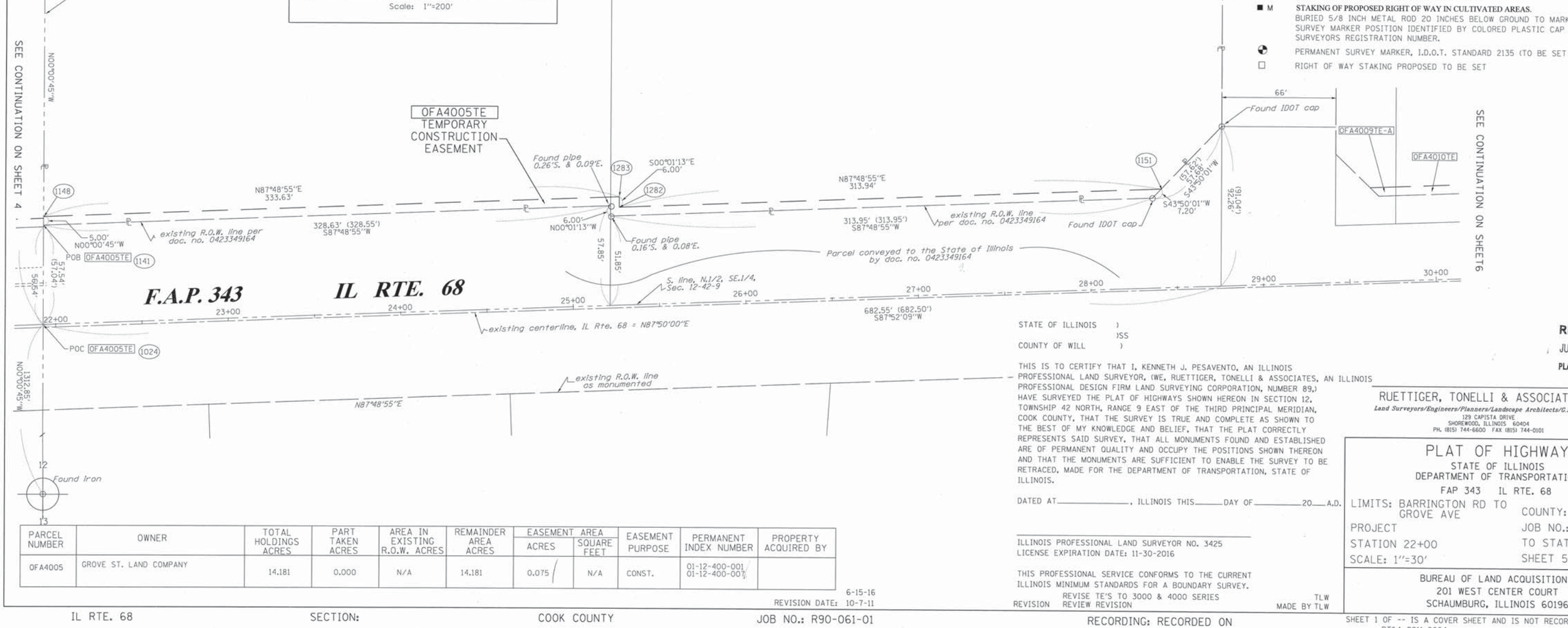
Scale: 1"=200'

COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
21+92.76	1.71' LT.	1024	1989615.345	1039108.401
21+94.93	59.21' LT.	1141	1989672.887	1039108.388
21+95.12	64.21' LT.	1148	1989677.891	1039108.387
28+42.46	58.42' LT.	1151	1989696.572	1039755.491
25+28.52	58.32' LT.	1282	1989684.605	1039441.781
25+28.75	64.32' LT.	1283	1989690.609	1039441.779

NOTE:
COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999935356. MULTIPLY PROJECT COORDINATES BY 0.999935356 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.





PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OFA4005	GROVE ST. LAND COMPANY	14.181	0.000	N/A	14.181	0.075	N/A	CONST.	01-12-400-001 01-12-400-007	

6-15-16
REVISION DATE: 10-7-11

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

N

1

GRAPHIC SCALE FEET
0 50,100
20,40
30,60
SCALE: 1" =30'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

Grove St.

existing R.O.W. line per dedication rec'd as doc. no. 2618320

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____, ILLINOIS THIS_____DAY OF_____20___A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION: REVISE TE'S TO 3000 & 4000 SERIES — TLW
REVIEW REVISION — MADE BY TLW

SS
RECEIVED
JUL 20 2016
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
129 CAPISTA DRIVE
SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 343 IL RTE. 68
LIMITS: BARRINGTON RD TO GROVE AVE
COUNTY: COOK
PROJECT
JOB NO.:R90-061-01
STATION 22+00
TO STATION 29+00
SCALE: 1"=30'
SHEET 5 OF 8

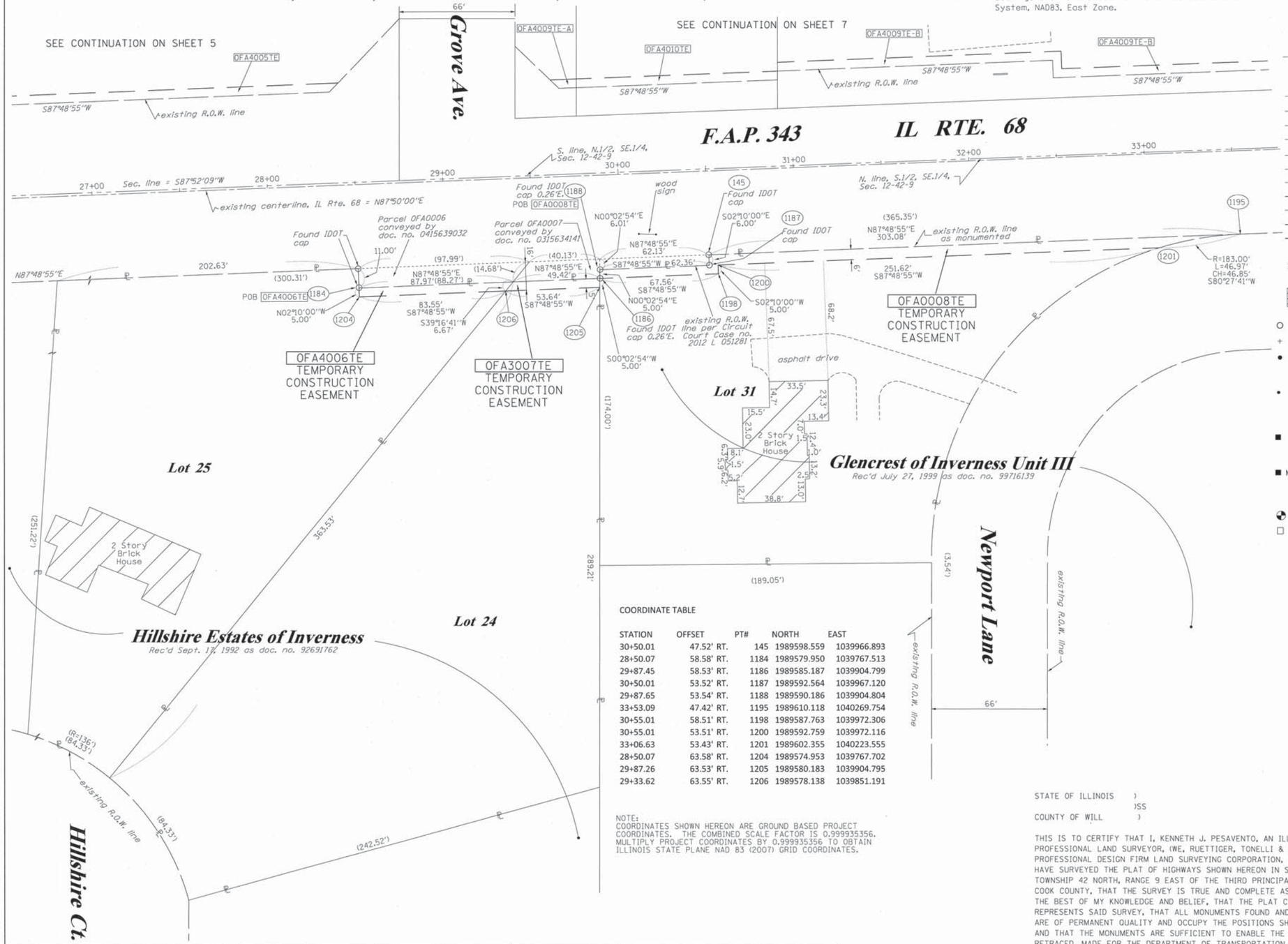
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

SHEET # 120-62

IL RTE. 68 | SECTION: | COUNTY | JOB NO.: R90-061-01 | RECORDING: RECORDED ON

SHEET 1 OF -- IS A COVER SHEET AND IS NOT RECORDED
RT&A 2011-0664

PART OF THE SE.1/4 OF SECTION 12, TWP.42 N., R.9 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
30+50.01	47.52' RT.	145	1989598.559	1039966.893
28+50.07	58.58' RT.	1184	1989579.950	1039767.513
29+87.45	58.53' RT.	1186	1989585.187	1039904.799
30+50.01	53.52' RT.	1187	1989592.564	1039967.120
29+87.65	53.54' RT.	1188	1989590.186	1039904.804
33+53.09	47.42' RT.	1195	1989610.118	1040269.754
30+55.01	58.51' RT.	1198	1989587.763	1039972.306
30+55.01	53.51' RT.	1200	1989592.759	1039972.116
33+06.63	53.43' RT.	1201	1989602.355	1040223.555
28+50.07	63.58' RT.	1204	1989574.953	1039767.702
29+87.26	63.53' RT.	1205	1989580.183	1039904.795
29+33.62	63.55' RT.	1206	1989578.138	1039851.191

NOTE:
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LEGEND

- SECTION CORNER (9 10 / 16 15)
- QUARTER SECTION CORNER (16 — 15)
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 — 50,100 — 20,40 — 30,60
SCALE: 1" =30'

- ○ IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET
- ● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1 BT2 BT3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◆ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OFA4006	JOHN PATRICK OLIS AND AMY LYNN OLIS, HUSBAND AND WIFE, IN TENANCY BY THE ENTIRETY	1.173	0.000	N/A	1.173	0.010	N/A	CONST.	01-12-406-014	
OFA3007	THE P & A CALABRESE SECOND FAMILY LIMITED PARTNERSHIP	1.294	0.000	N/A	1.294	0.006	258	CONST.	01-12-406-013	
OFA0008	GEORGE PAGONES & CONNIE PAGONES, MARRIED, AS TENANTS BY THE ENTIRETY	0.909	0.000	N/A	0.909	0.045	N/A	CONST.	01-12-403-026	

REVISION DATE: 6-15-16, 10-7-11

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION — REVISED TE'S TO 3000 SERIES; REVIEW REVISIONS — MADE BY TLW

SS

RECEIVED
JUL 20 2016
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
129 CAPISTA DRIVE
SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 343 IL RTE. 68

LIMITS: BARRINGTON RD TO GROVE AVE — COUNTY: COOK
PROJECT — JOB NO.:R90-061-01
STATION 26+50 — TO STATION 33+50
SCALE: 1"=30' — SHEET 6 OF 8

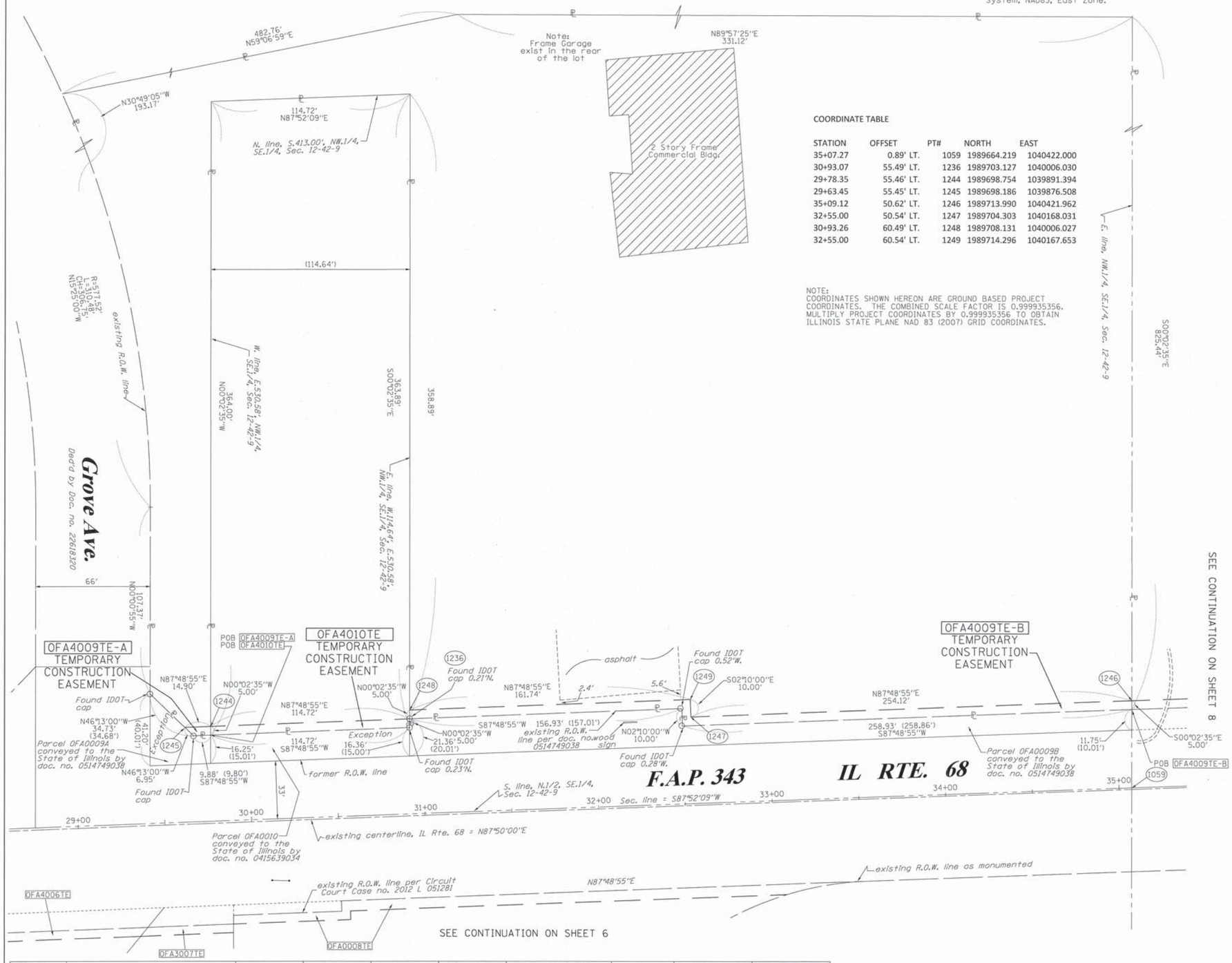
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

SHEET # 120-63

IL RTE. 68 | SECTION: | COUNTY | JOB NO.: R90-061-01 | RECORDING: RECORDED ON

SHEET 1 OF -- IS A COVER SHEET AND IS NOT RECORDED
RT&A 2011-0664

PART OF THE SE.1/4 OF SECTION 12, TWP.42 N., R.9 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
35+07.27	0.89' LT.	1059	1989664.219	1040422.000
30+93.07	55.49' LT.	1236	1989703.127	1040006.030
29+78.35	55.46' LT.	1244	1989698.754	1039891.394
29+63.45	55.45' LT.	1245	1989698.186	1039876.508
35+09.12	50.62' LT.	1246	1989713.990	1040421.962
32+55.00	50.54' LT.	1247	1989704.303	1040168.031
30+93.26	60.49' LT.	1248	1989708.131	1040006.027
32+55.00	60.54' LT.	1249	1989714.296	1040167.653

NOTE:
COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999935356. MULTIPLY PROJECT COORDINATES BY 0.999935356 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

LEGEND

SECTION CORNER (9 10 / 16 15)
QUARTER SECTION CORNER (16 — 15)

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 — 50,100 — 20,40 — 30,60
SCALE: 1" =30'

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● TI, T2, T3 — **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

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DATED AT_____, ILLINOIS THIS_____DAY OF_____20____A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OFA4009	SCHURECHT DEVELOPMENT GROUP, III, L.L.C, AN ILLINOIS LIMITED LIABILITY COMPANY	10.357	0.000	N/A	10.357	A-0.001 B-0.049	62 N/A	CONST.	01-12-400-005	
OFA4010	SCHON SCHURECHT, AS TRUSTEE OF THE SCHON SCHURECHT DECLARATION OF TRUST DATED 3-8-1991	0.958	0.000	N/A	0.958	0.013	N/A	CONST.	01-12-400-006	

REVISION DATE: 6-15-16, 10-7-11
REVISED TE'S TO 3000 SERIES
REVISION REVIEW REVISIONS
TLW
MADE BY TLW

SS
RECEIVED
JUL 20 2016
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
129 CAPISTA DRIVE
SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 343 IL RTE. 68

LIMITS: BARRINGTON RD TO GROVE AVE — COUNTY: COOK
PROJECT — JOB NO.:R90-061-01
STATION 29+00 — TO STATION 35+50
SCALE: 1"=30' — SHEET 7 OF 8

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

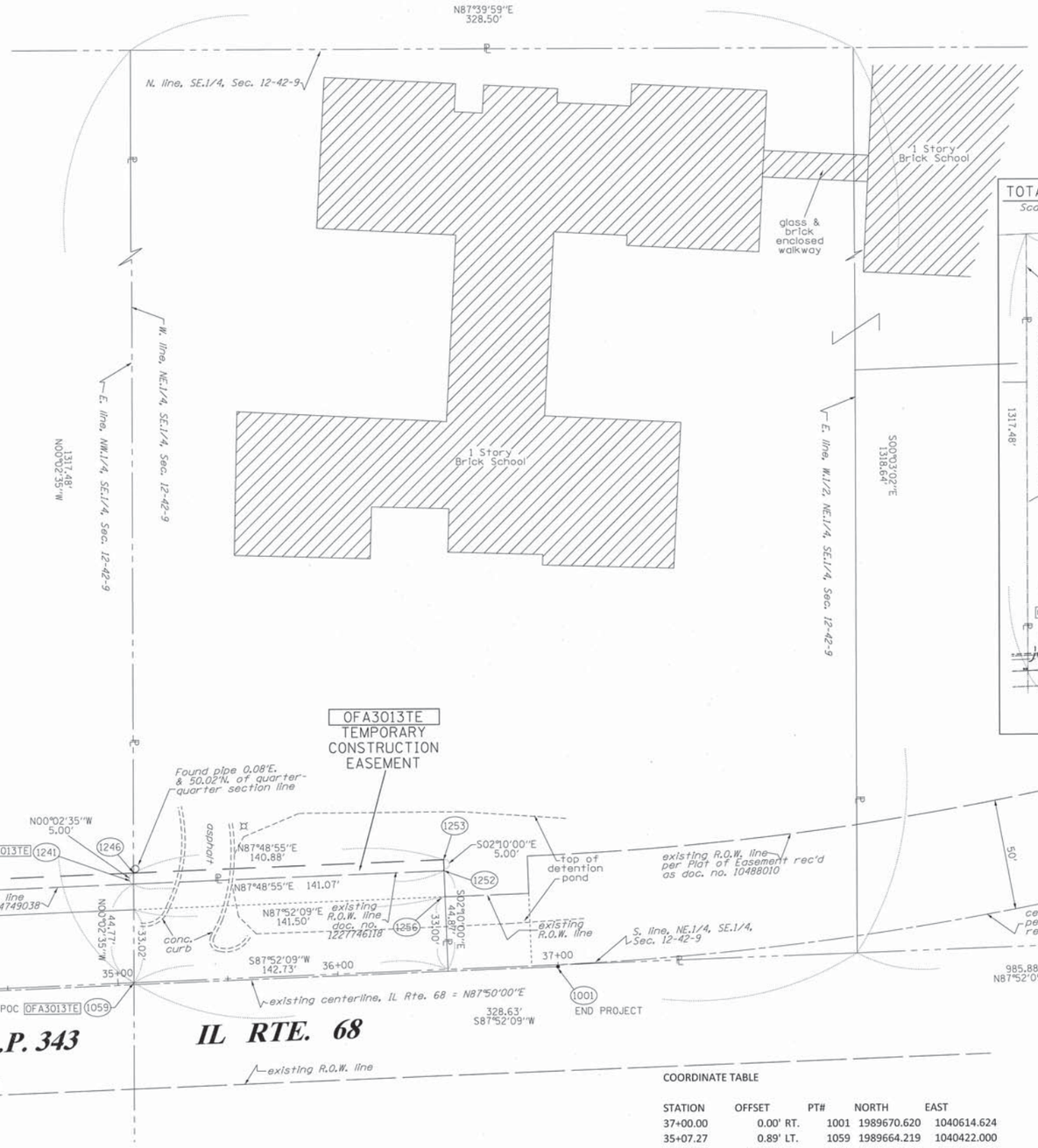
SHEET # 120-64

IL RTE. 68 | SECTION: | COUNTY | JOB NO.: R90-061-01 | RECORDING: RECORDED ON

SHEET 1 OF -- IS A COVER SHEET AND IS NOT RECORDED
RT&A 2011-0664

PART OF THE SE.1/4 OF SECTION 12, TWP.42 N., R.9 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

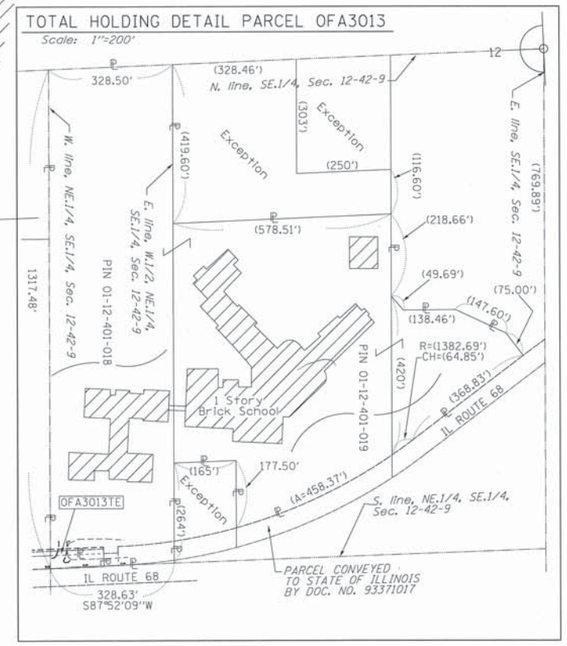
Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone.



SEE CONTINUATION ON SHEET 7

TOTAL HOLDING DETAIL PARCEL OFA3013

Scale: 1"=200'



LEGEND

9 10 / 16 15	SECTION CORNER
16 — 15	QUARTER SECTION CORNER
	SECTION LINE
	QUARTER SECTION LINE
	QUARTER, QUARTER SECTION LINE
	PLATTED LOT LINES
℄	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	PROPOSED EASEMENT
129.32'	MEASURED DIMENSION
129.32' (COMP)	COMPUTED DIMENSION
(129.32')	RECORDED DIMENSION
	EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 50.100
20.40
30.60
SCALE: 1" =30'

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5 / 8" REBAR SET
- ● TI, T2, T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____, ILLINOIS THIS____DAY OF_____20____A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RUETTIGER, TONELLI & ASSOCIATES, INC.
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129 CAPISTA DRIVE
SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101

COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
37+00.00	0.00' RT.	1001	1989670.620	1040614.624
35+07.27	0.89' LT.	1059	1989664.219	1040422.000
35+08.93	45.62' LT.	1241	1989708.987	1040421.966
35+09.12	50.62' LT.	1246	1989713.990	1040421.962
36+50.00	45.67' LT.	1252	1989714.364	1040562.933
36+50.00	50.67' LT.	1253	1989719.361	1040562.744
36+50.00	33.80' LT.	1256	1989702.503	1040563.382

NOTE:
COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999935356. MULTIPLY PROJECT COORDINATES BY 0.999935356 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OFA3013	BOARD OF EDUCATION OF BARRINGTON COMMUNITY UNIT SCHOOL DISTRICT 220, LAKE, COOK, KANE & MCHENRY COUNTIES, ILLINOIS	21.070	0.00	N/A	21.070	0.016	N/A	CONST.	01-12-401-018 01-12-401-019	

REVISION DATE: 10-7-11, 10-20-11, 12-5-11, 6-15-16

REVISION: REVIEW REVISIONS — MADE BY TLW
ADDED DETENTION POND & REMAINDER OF SCHOOL — TLW
REVISE PARCEL 13 TOTAL HOLDING — TLW
REVISE TE'S TO 3000 SERIES — TLW

SS
RECEIVED
JUL 20 2016
PLATS & LEGALS

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 343 IL RTE. 68

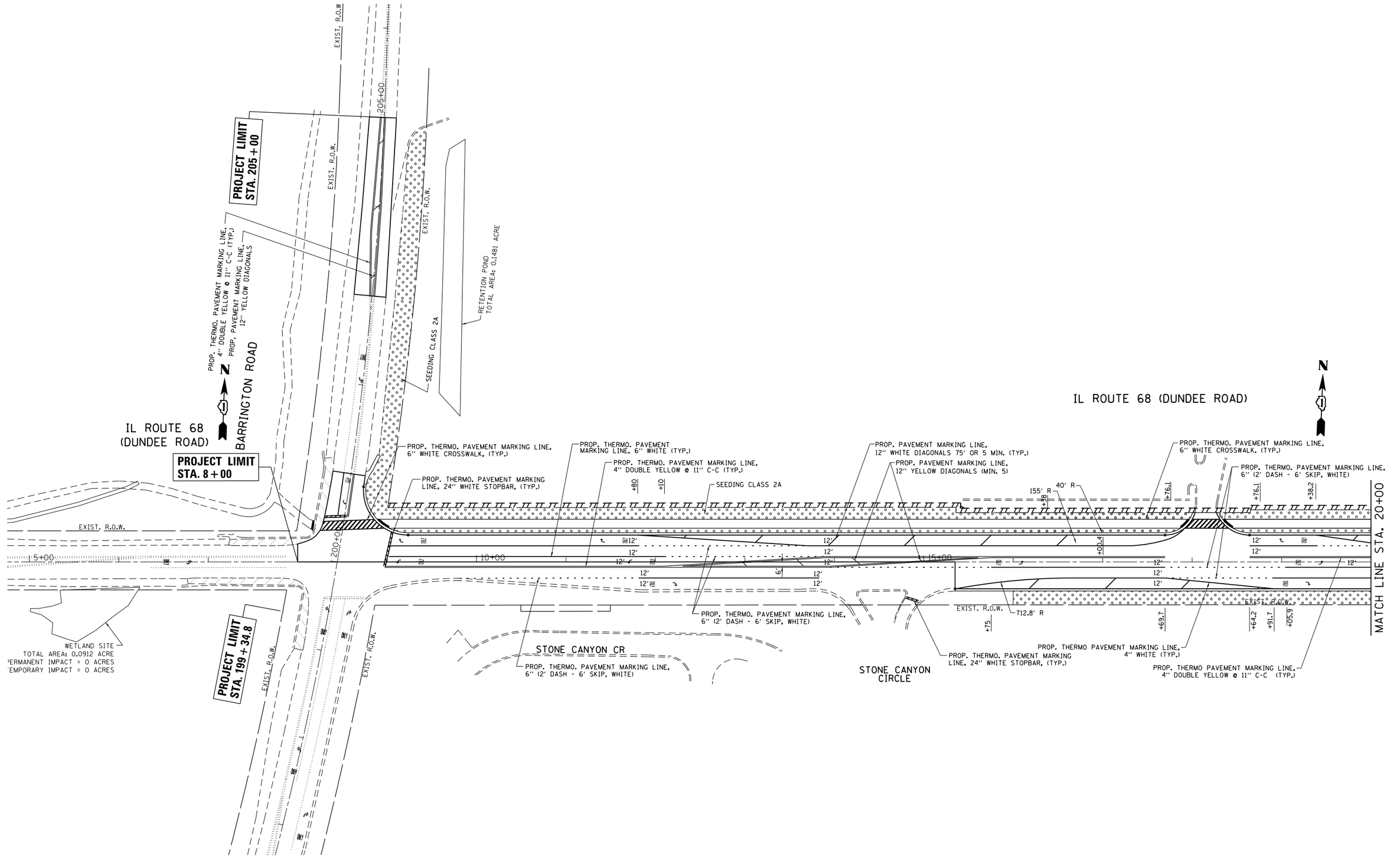
LIMITS: BARRINGTON RD TO GROVE AVE
COUNTY: COOK
PROJECT
JOB NO.:R90-061-01
STATION 35+00
TO STATION 37+00
SCALE: 1"=30'
SHEET 8 OF 8

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

SHEET # 120-65

IL RTE. 68 | SECTION: | COUNTY | COOK | JOB NO.: R90-061-01 | RECORDING: RECORDED ON

SHEET 1 OF -- IS A COVER SHEET AND IS NOT RECORDED
RT&A 2011-0664



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		DRAWN -	REVISED -
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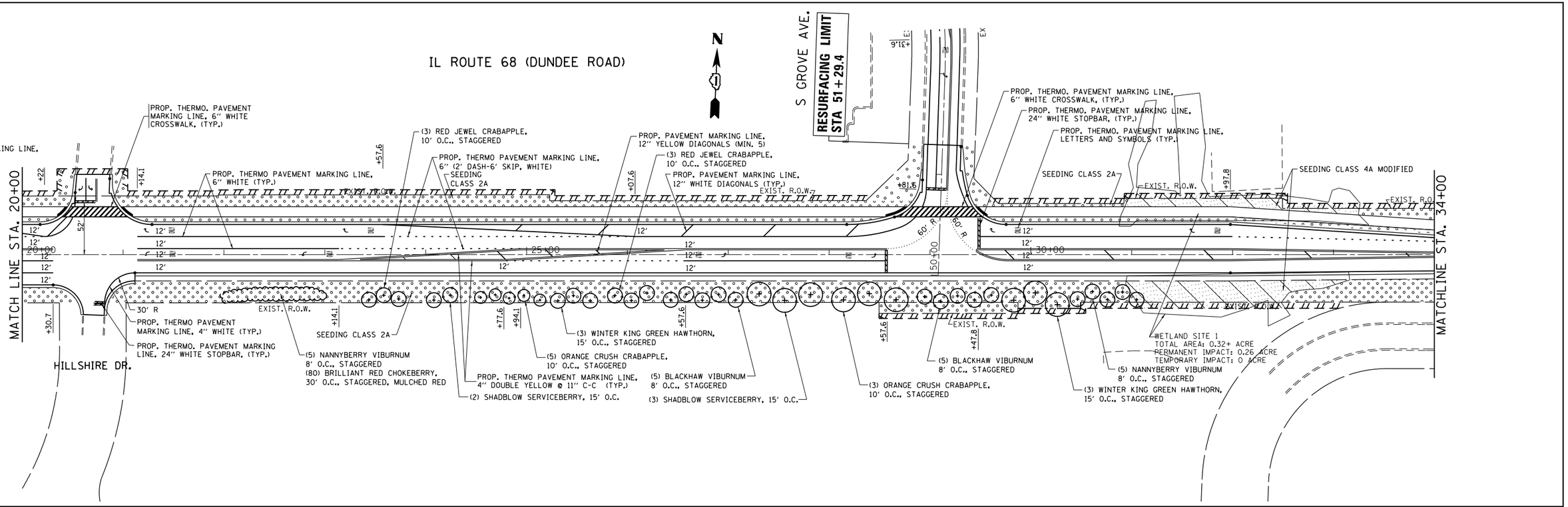
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

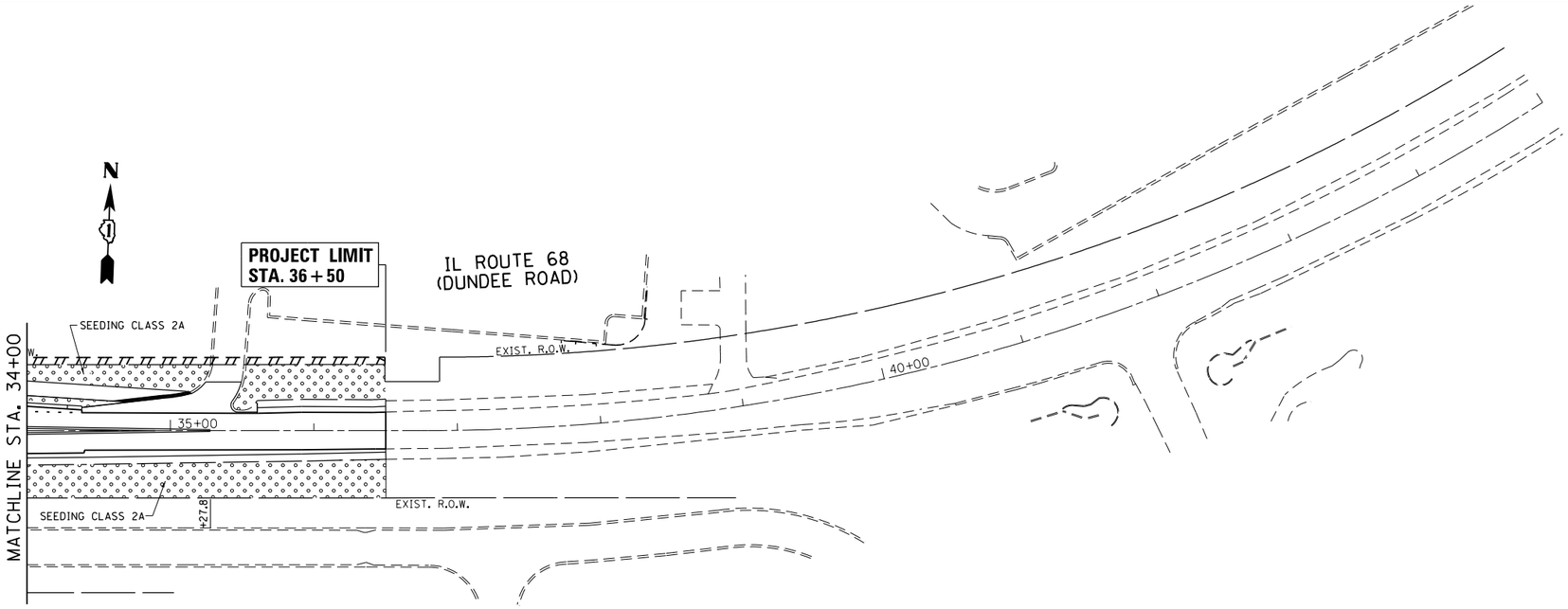
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & LANDSCAPING PLAN
IL. ROUTE 68 AT GROVE AVE.

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 5+00 TO STA. 20+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	66
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			





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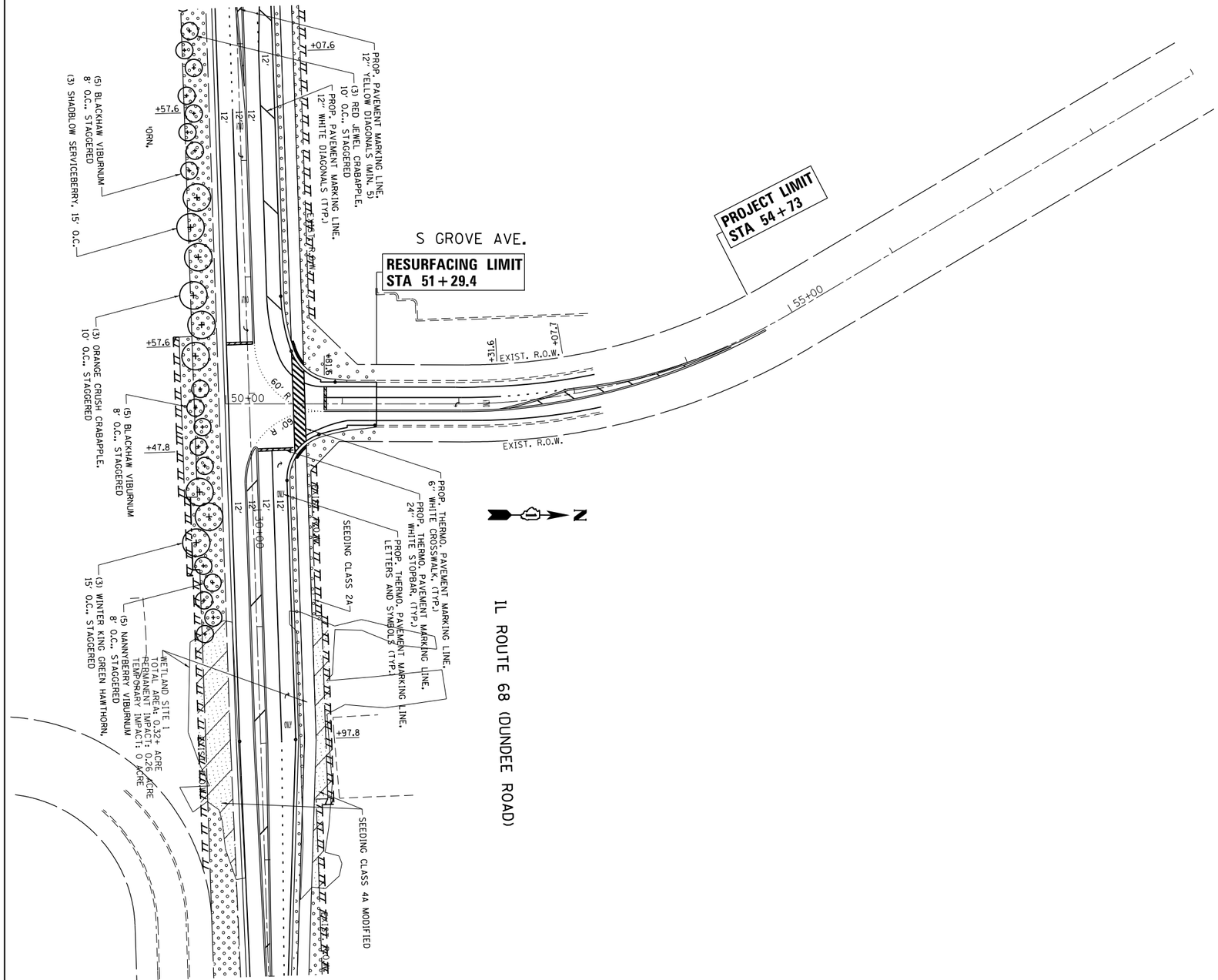
Default	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & LANDSCAPING PLAN
IL. ROUTE 68 AT GROVE AVE.

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 20+00.00 TO STA. 45+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	67
		CONTRACT NO. 62A36		
		ILLINOIS	FED. AID PROJECT	



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Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & LANDSCAPING PLAN
IL. ROUTE 68 AT GROVE AVE.

SCALE: 1"= 50' | SHEET OF SHEETS | STA. 50+00.00 TO STA. 61+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	68
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

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

ITEM	REMOVAL	EXISTING	PROPOSED
EMERGENCY VEHICLE LIGHT DETECTOR	R		
CONFIRMATION BEACON	R		
HANDHOLE	R		
HEAVY DUTY HANDHOLE	R H	H	H
DOUBLE HANDHOLE	R		
JUNCTION BOX	R		
UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)			
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	R		
COMMON TRENCH			CT
COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC
SYSTEM ITEM		S	S
INTERSECTION ITEM		I	IP
REMOVE ITEM	R		
RELOCATE ITEM	RL		
ABANDON ITEM	A		
12" (300mm) TRAFFIC SIGNAL SECTION		R	R
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE		R Y G	
SIGNAL FACE		R Y G C Y C	R Y G Y G
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD. "RB" INDICATES REFLECTIVE BACKPLATE		R Y G C Y C "P"	R Y G Y G "P"
12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL		DW W	
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED			
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID			
PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		C D	C D
RADIO INTERCONNECT	R		
RADIO REPEATER	R ERR	ERR	RR
DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED		5	5
GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)		1	1

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

RAILROAD SYMBOLS

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

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PROJECT CONTACT: $PROJECT_CONTACT$
CLIENT: $CLIENT$
DATE PLOTTED: 6/14/2016 4:24:47 PM
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HRGreen.com
Illinois Professional Design Firm # 184-001322
HRGreen

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	DRAWN - BCK	REVISED -
PLOT SCALE = NA	CHECKED - DAD	REVISED -
PLOT DATE = 6/14/2016	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NA | SHEET NO. 1 OF 8 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	69
		CONTRACT NO.		62A36
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

8610019G-45
8610019G-45
8610019G-45-sigDET01.dgn

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

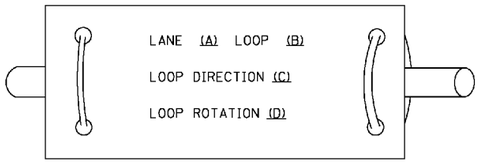
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

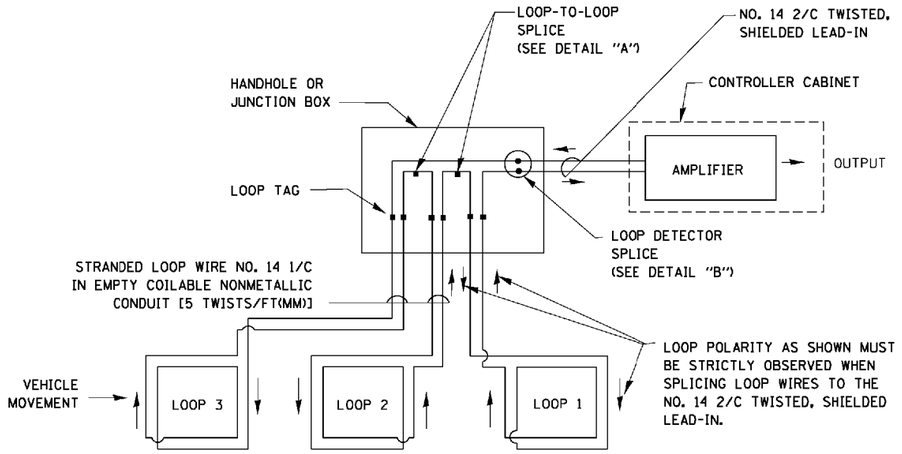


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

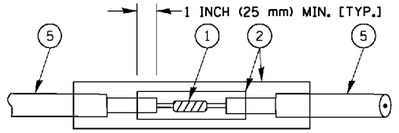
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

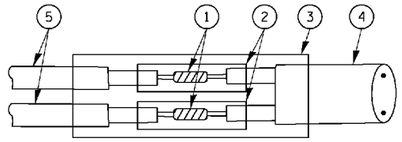


DETECTOR LOOP WIRING SCHEMATIC

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

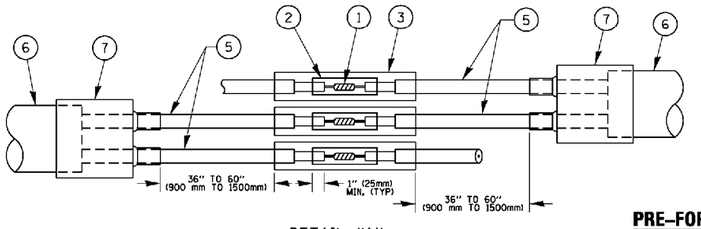


DETAIL "A"
LOOP-TO-LOOP SPLICE



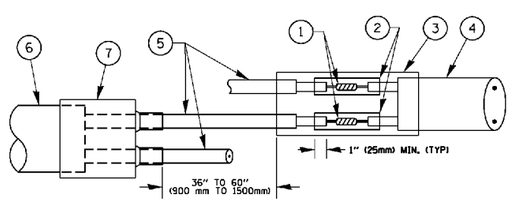
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

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

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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CLIENT: $CLIENT$
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	DRAWN - BCK	REVISED -
PLOT SCALE = NA	CHECKED - DAD	REVISED -
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

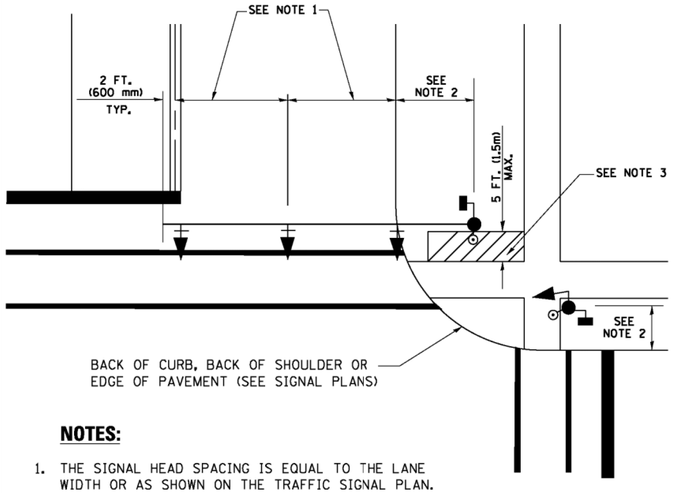
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NA | SHEET NO. 2 OF 8 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	70
		CONTRACT NO.	62A36	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

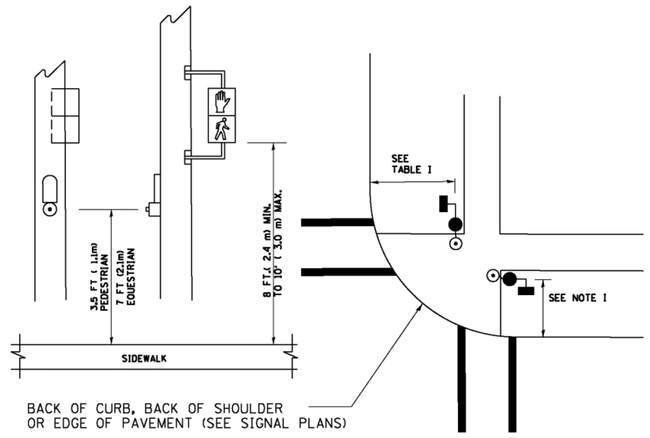
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

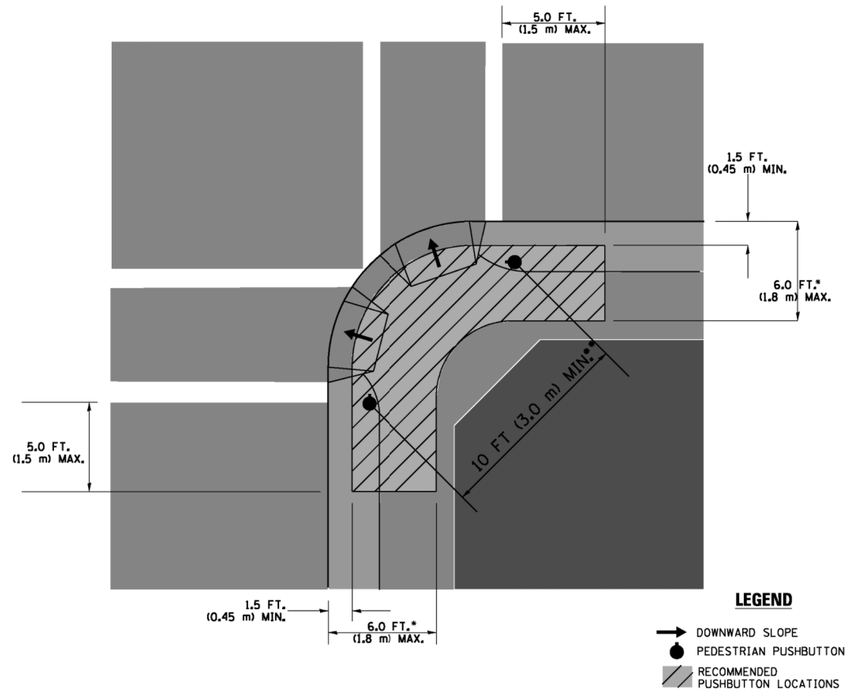
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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dgn	DRAWN - BCK	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NA | SHEET NO. 3 OF 8 SHEETS | STA. | TO STA.

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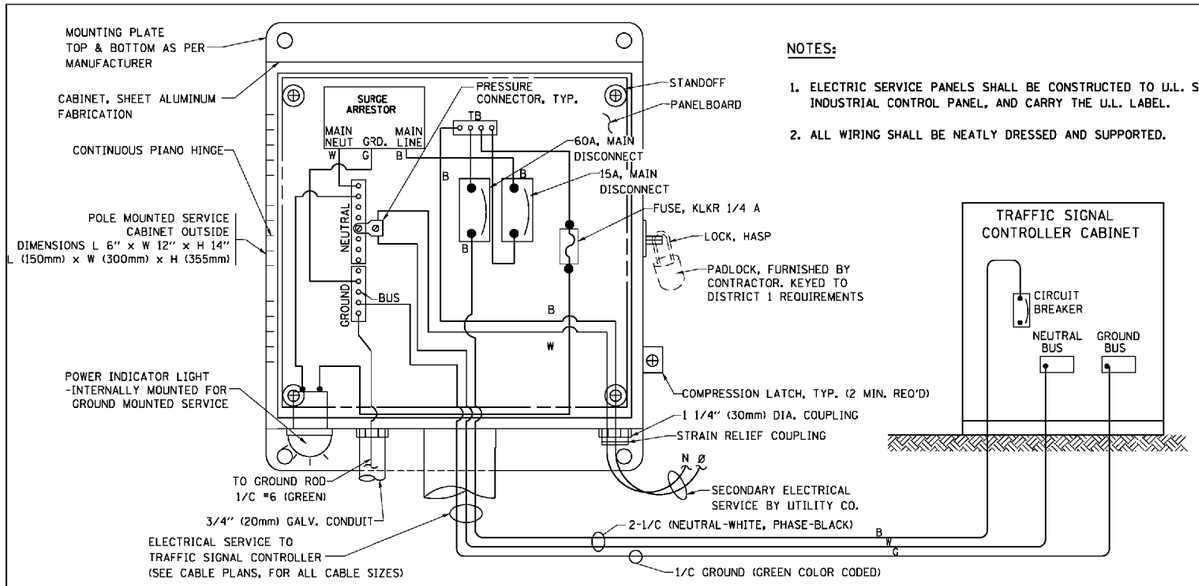
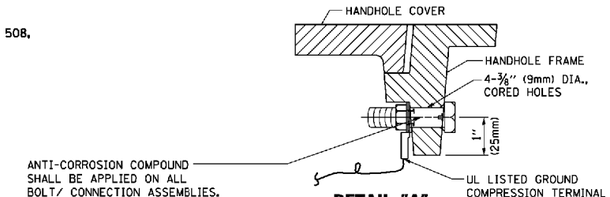


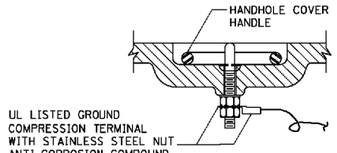
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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



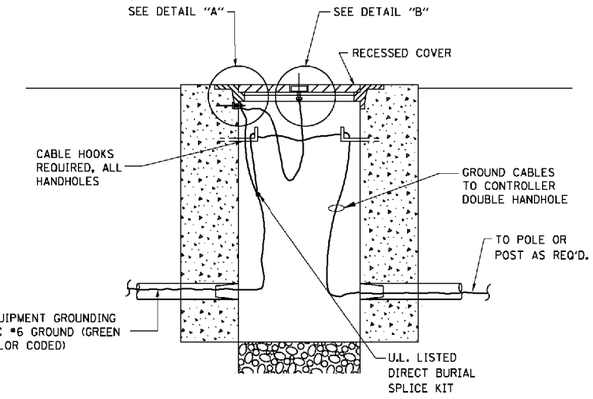
DETAIL "A"



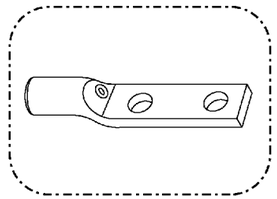
DETAIL "B"

NOTES:
GROUNDING SYSTEM

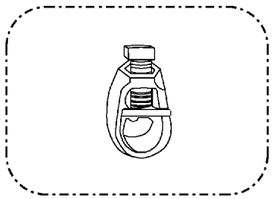
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS, THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE,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



HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)



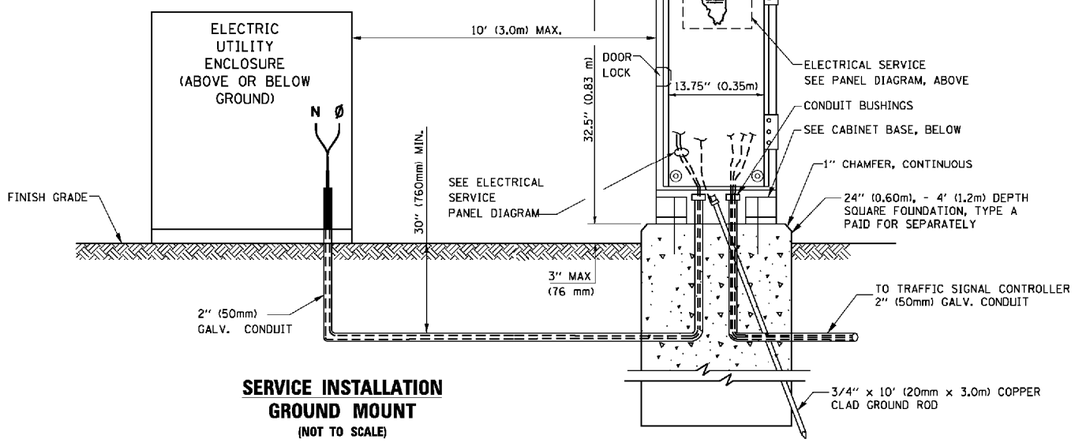
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



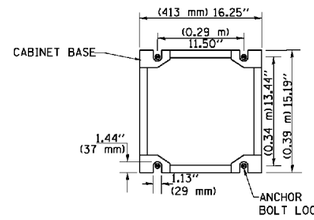
¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

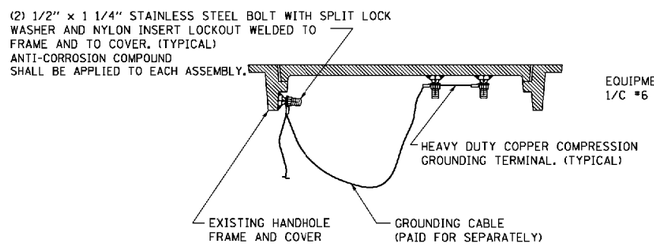
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



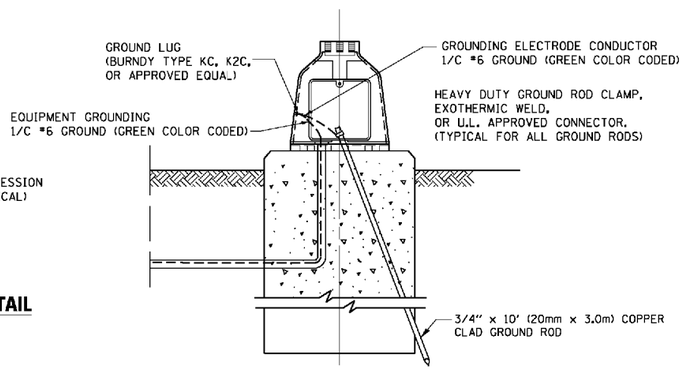
SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)



CABINET – BASE BOLT PATTERN
(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)



MAST ARM POLE / POST–GROUNDING DETAIL
(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NA | SHEET NO. 4 OF 8 SHEETS | STA. | TO STA.

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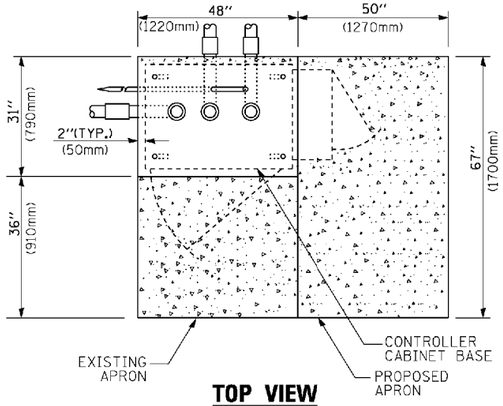
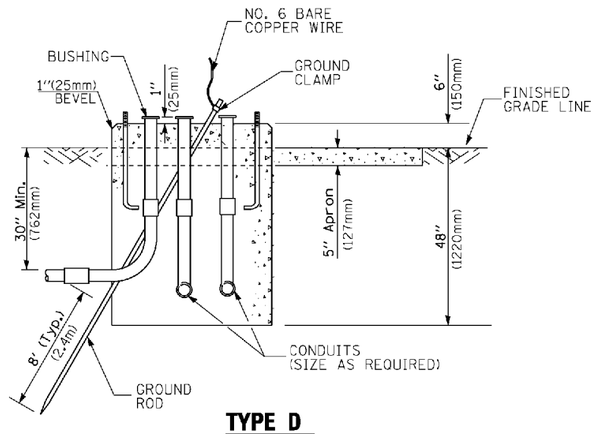
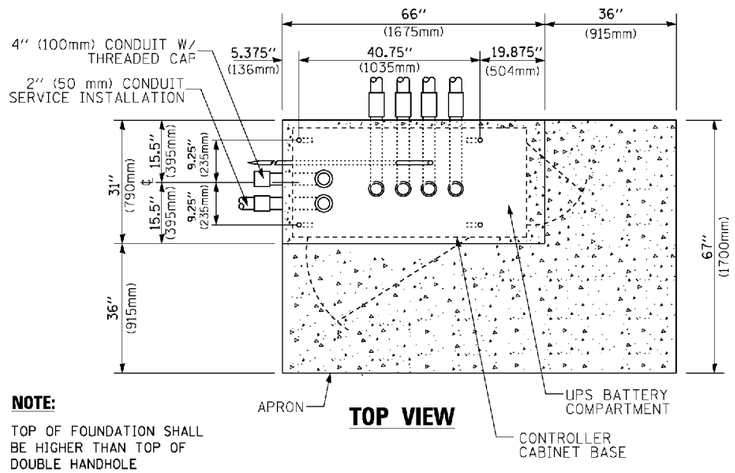


TOP VIEW



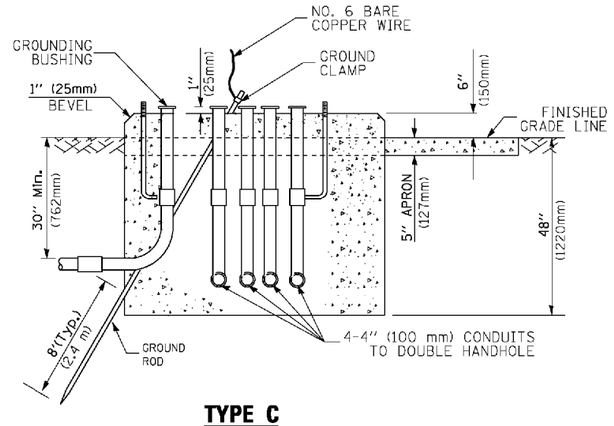
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



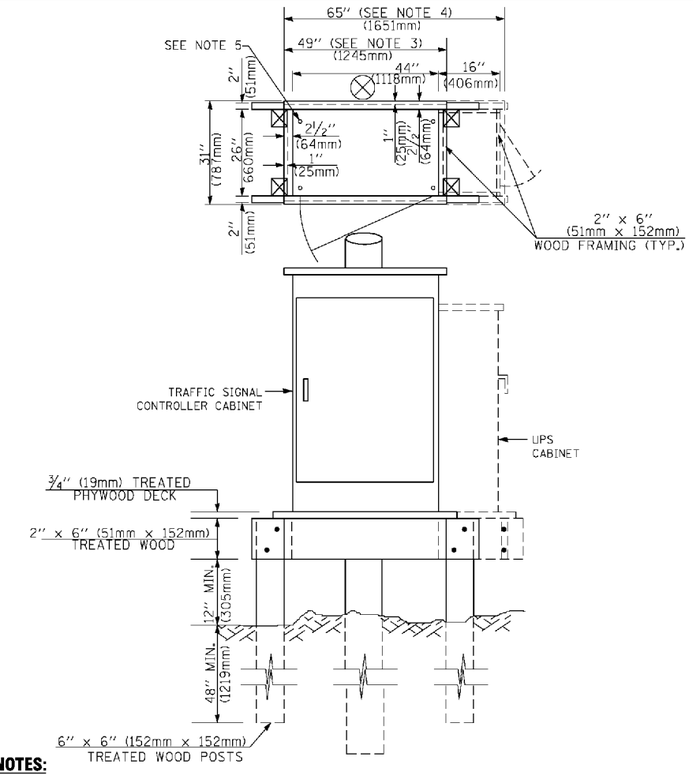
TOP VIEW

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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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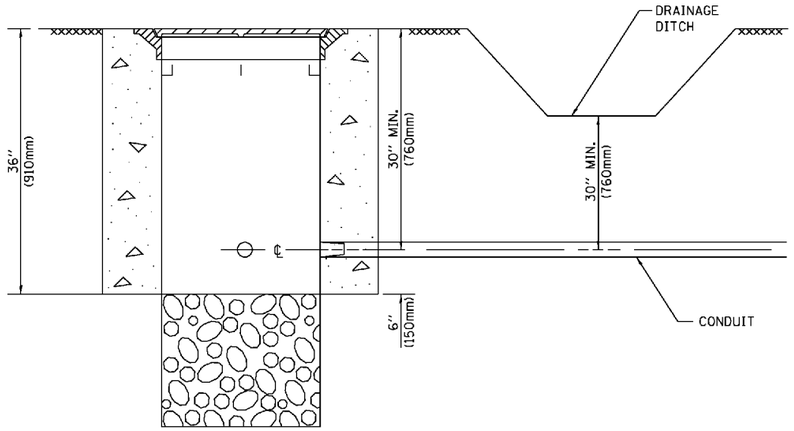
dgn	DRAWN - BCK	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -
PLOT DATE = 6/13/2016	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NA | SHEET NO. 5 OF 8 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	73
		CONTRACT NO.	62A36	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

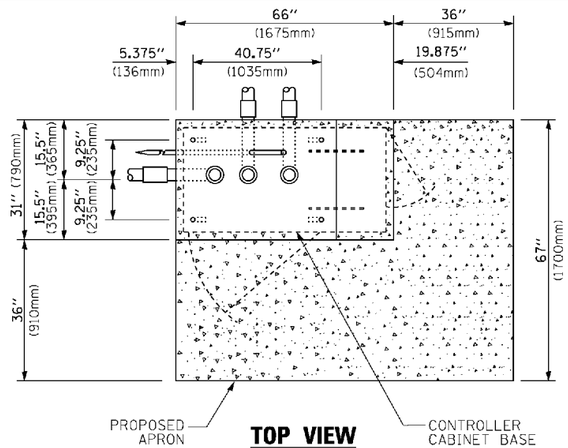


NOTES:

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.

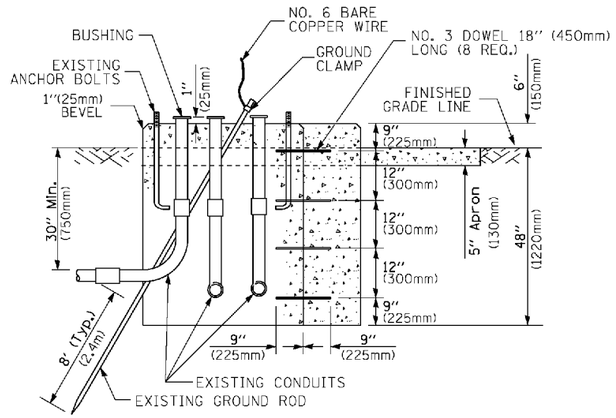
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



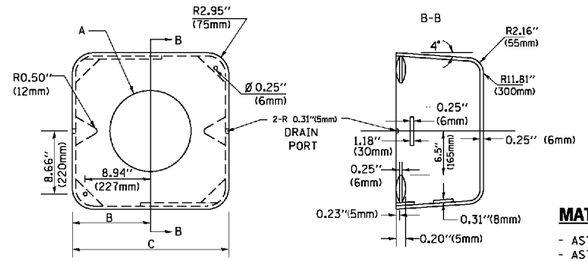
TOP VIEW

(NOT TO SCALE)



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

(NOT TO SCALE)



MATERIAL:

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

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

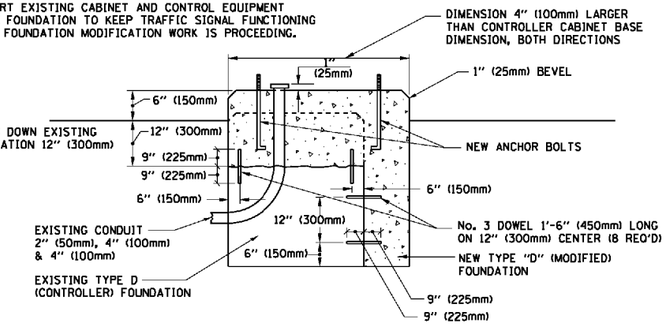
SHROUD

NOTES:

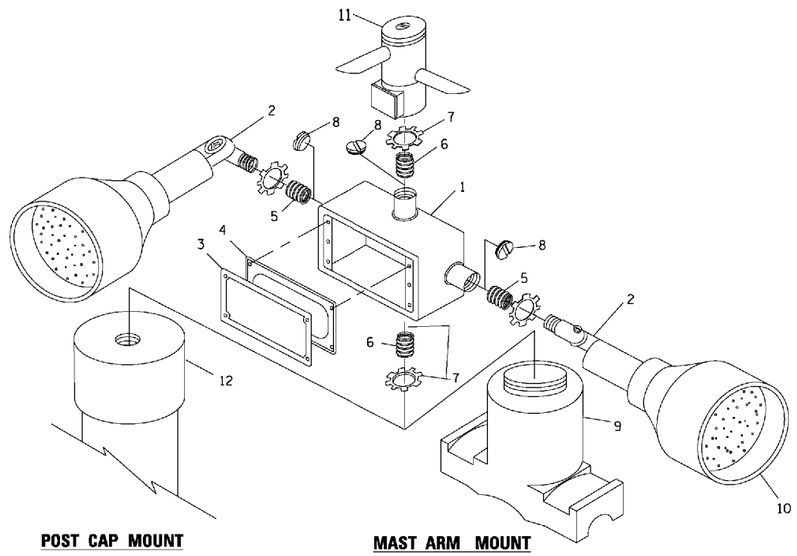
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



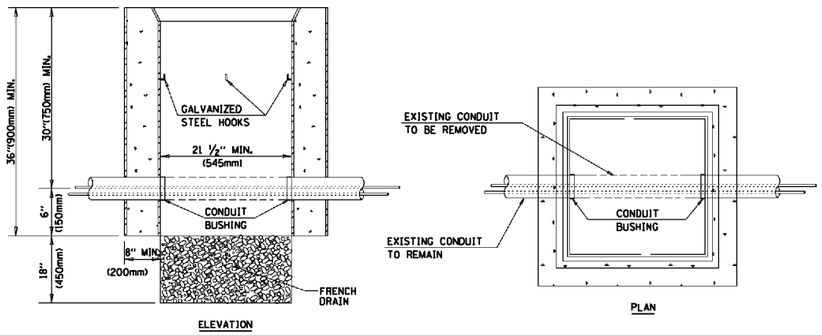
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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CLIENT: $CLIENT$
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86100196.45
86100196.45-sigDET06.dgn

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Illinois Professional Design Firm # 184-001322
HRGreen

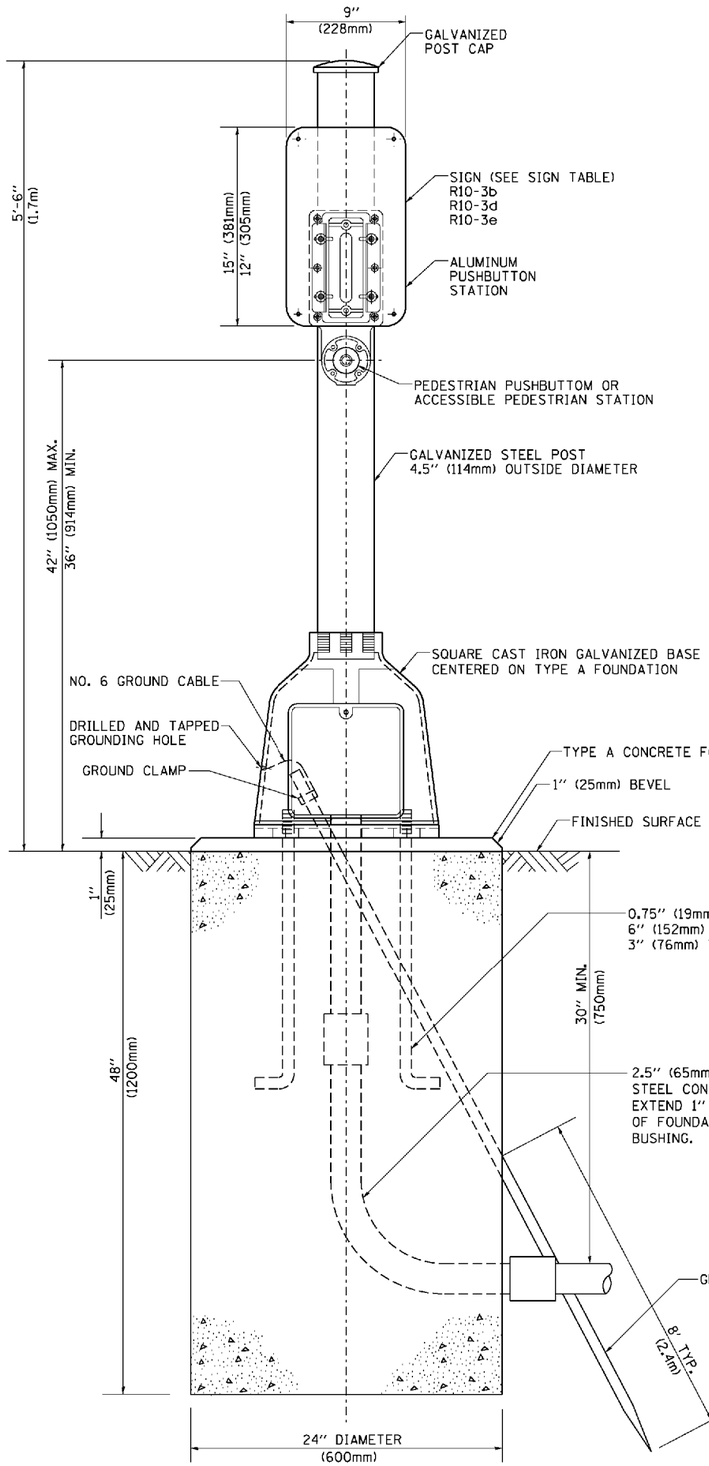
USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	
PLOT SCALE = 50.0000 ' / in.	DRAWN - BCK	REVISED -	
PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -	
	DATE - 10-28-09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

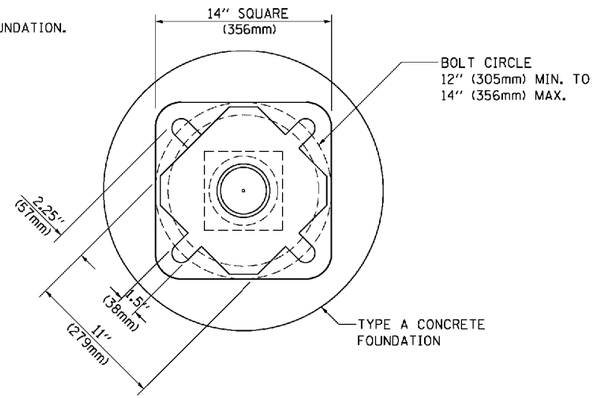
SCALE: NA | SHEET NO. 6 OF 8 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	74
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

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CLIENT: $CLIENT$
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184-001322
HRGreen

USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
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PLOT SCALE = 50.0000 '/ in.	CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

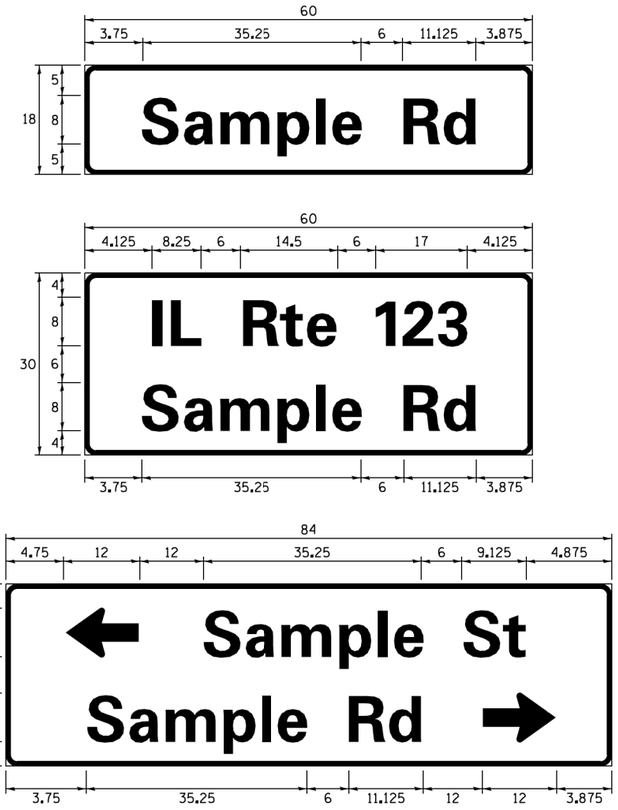
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NA | SHEET NO. 7 OF 8 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	75
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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	ABBREVATION	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

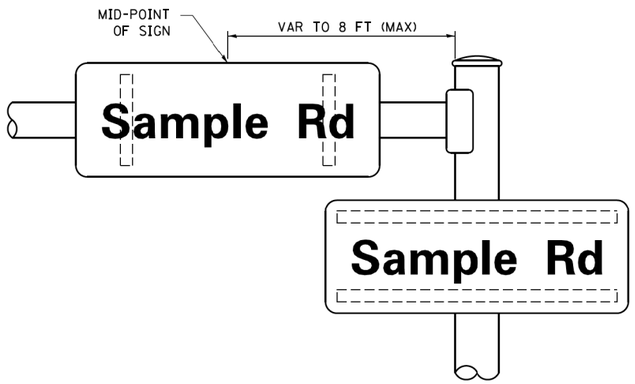
1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE 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.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. 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.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUX 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.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:	PARTS LISTING:	
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA	SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
	SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- WESTERN REMAC, INC. WOODRIDGE, IL	BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

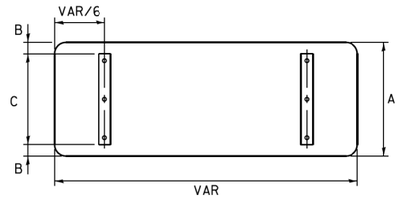
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

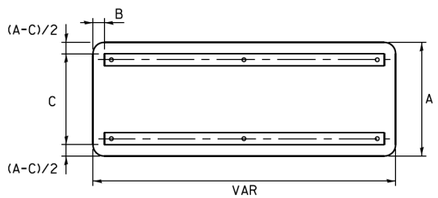
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

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

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	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

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PLOT DATE = 9/22/2014 | DATE - 10/01/2014 | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NA | SHEET NO. 8 OF 8 SHEETS | STA. | TO STA.

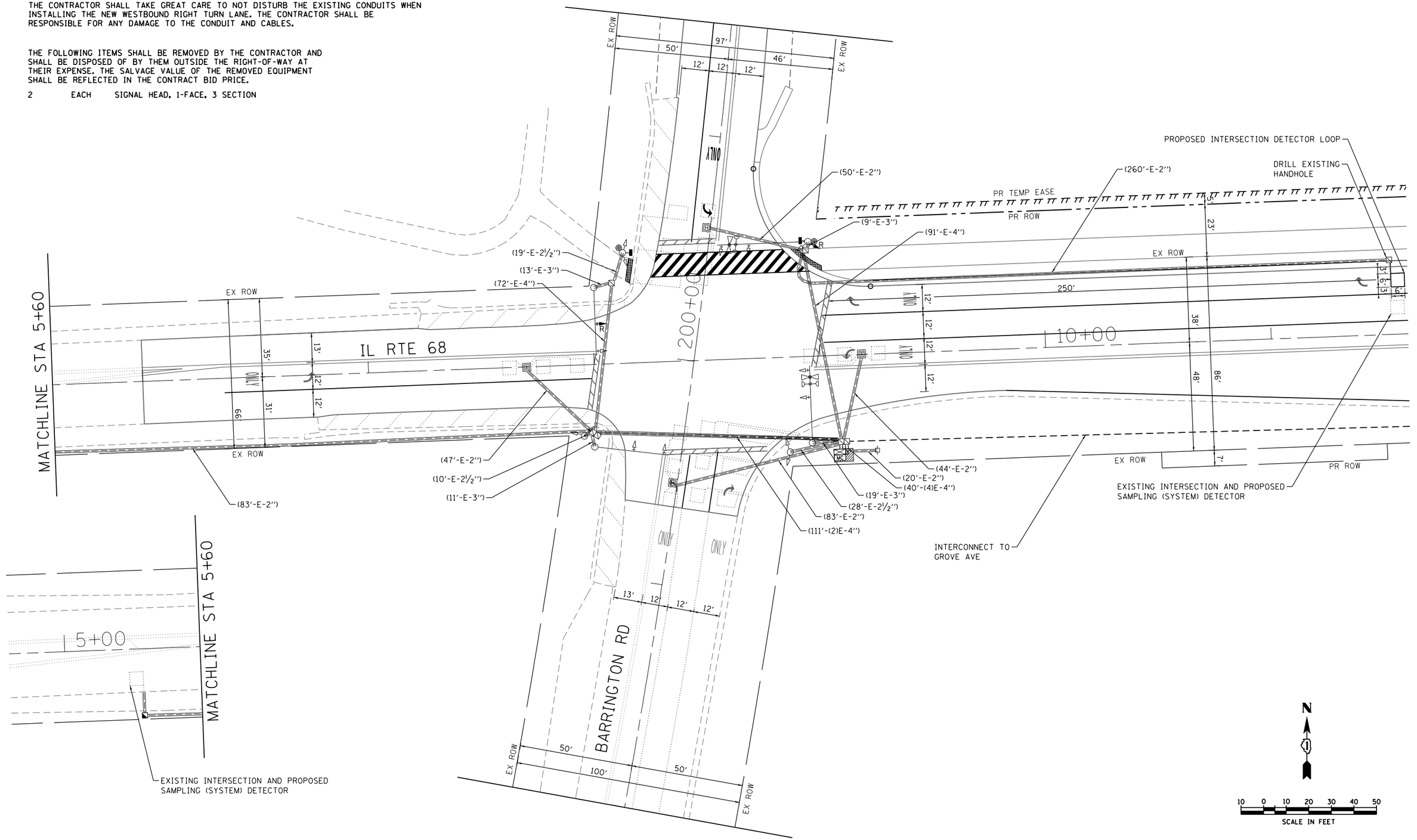
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	76
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE:

THE CONTRACTOR SHALL TAKE GREAT CARE TO NOT DISTURB THE EXISTING CONDUITS WHEN INSTALLING THE NEW WESTBOUND RIGHT TURN LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE CONDUIT AND CABLES.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2 EACH SIGNAL HEAD, 1-FACE, 3 SECTION



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Illinois Professional Design Firm
184-001322

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PLOT SCALE = 1'=20'	CHECKED - TEH	REVISED -	
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
ILLINOIS ROUTE 68 (DUNDEE ROAD) AT BARRINGTON ROAD

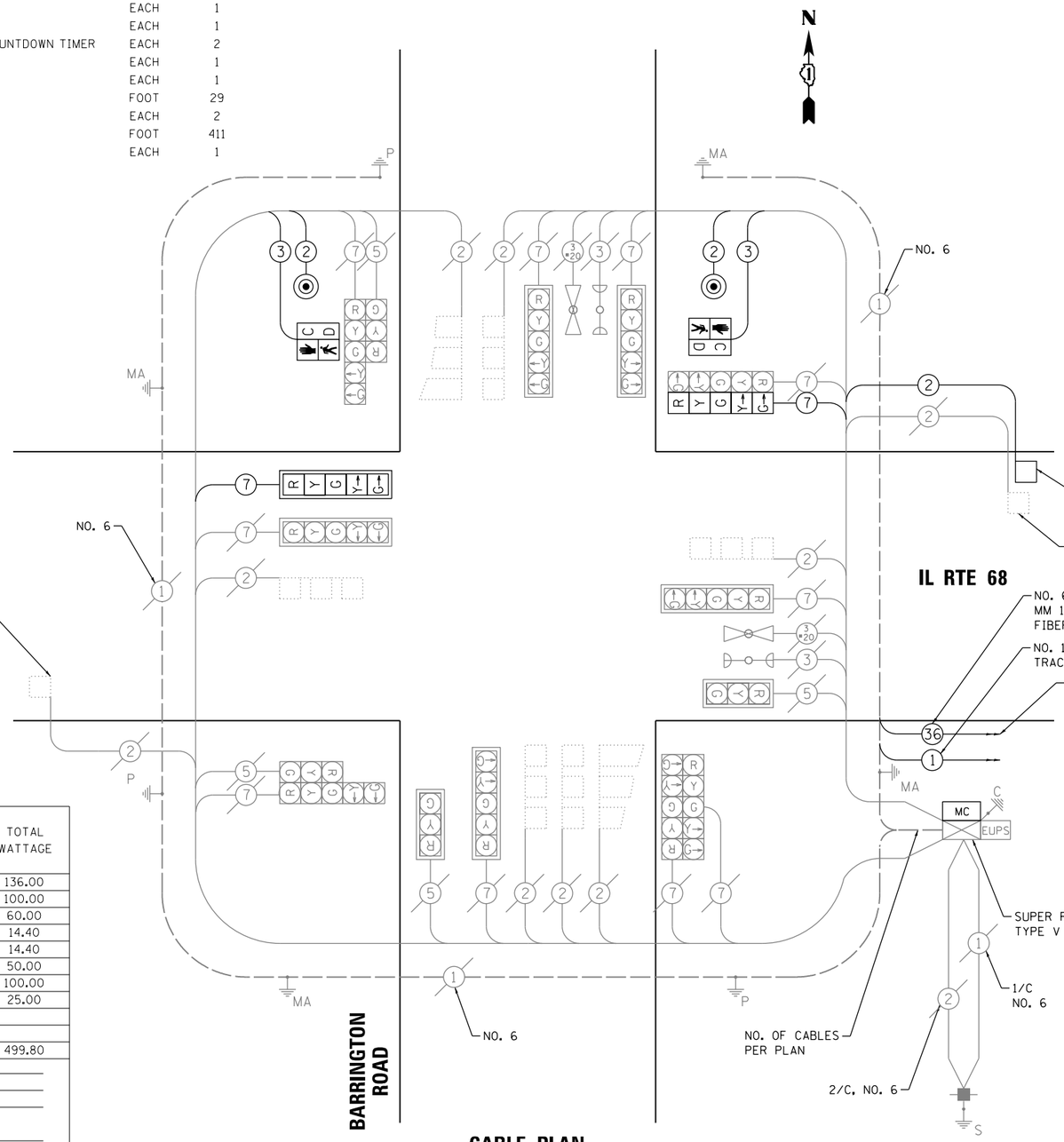
SCALE: 1"=20' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	77
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

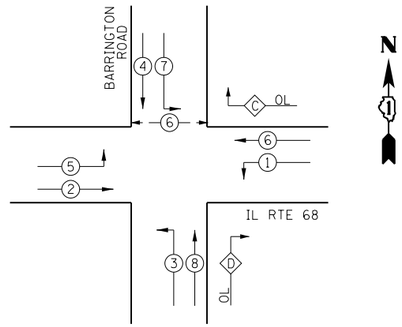
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MASTER CONTROLLER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	402
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	416
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	411
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	410
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	1
DETECTOR LOOP, TYPE I	FOOT	29
PEDESTRIAN PUSH-BUTTON	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	411
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

NOTE:
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.



CABLE PLAN

CONTROLLER SEQUENCE



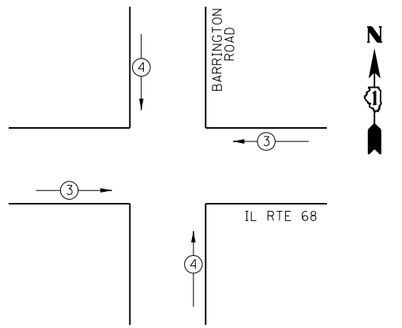
PHASE DESIGNATION DIAGRAM

OVERLAP PHASE		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7
D	=	8	+	1

CONTROLLER SEQUENCE LEGEND

- DUAL ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERRING TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136.00
(YELLOW)	16		25	0.25	100.00
(GREEN)	16		15	0.25	60.00
ARROW (YELLOW)	12		12	0.10	14.40
ARROW (GREEN)	12		12	0.10	14.40
PEDESTRIAN SIGNAL	2		25	1.00	50.00
CONTROLLER	1		100	1.00	100.00
UPS	1		25	1.00	25.00
				TOTAL =	499.80

ENERGY COSTS TO: VILLAGE OF BARRINGTON
200 S. HOUGH STREET
BARRINGTON, IL 60010

ENERGY SUPPLY CONTACT: KATHY NYSTROM
PHONE: (847) 608-2331
COMPANY: COMMONWEALTH EDISON

$COMPANY_NAME$
$PROJECT_CONTACT$
$CLIENT$
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	DRAWN - TAY	REVISED -	
PLOT SCALE = NTS	CHECKED - TEH	REVISED -	
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -	

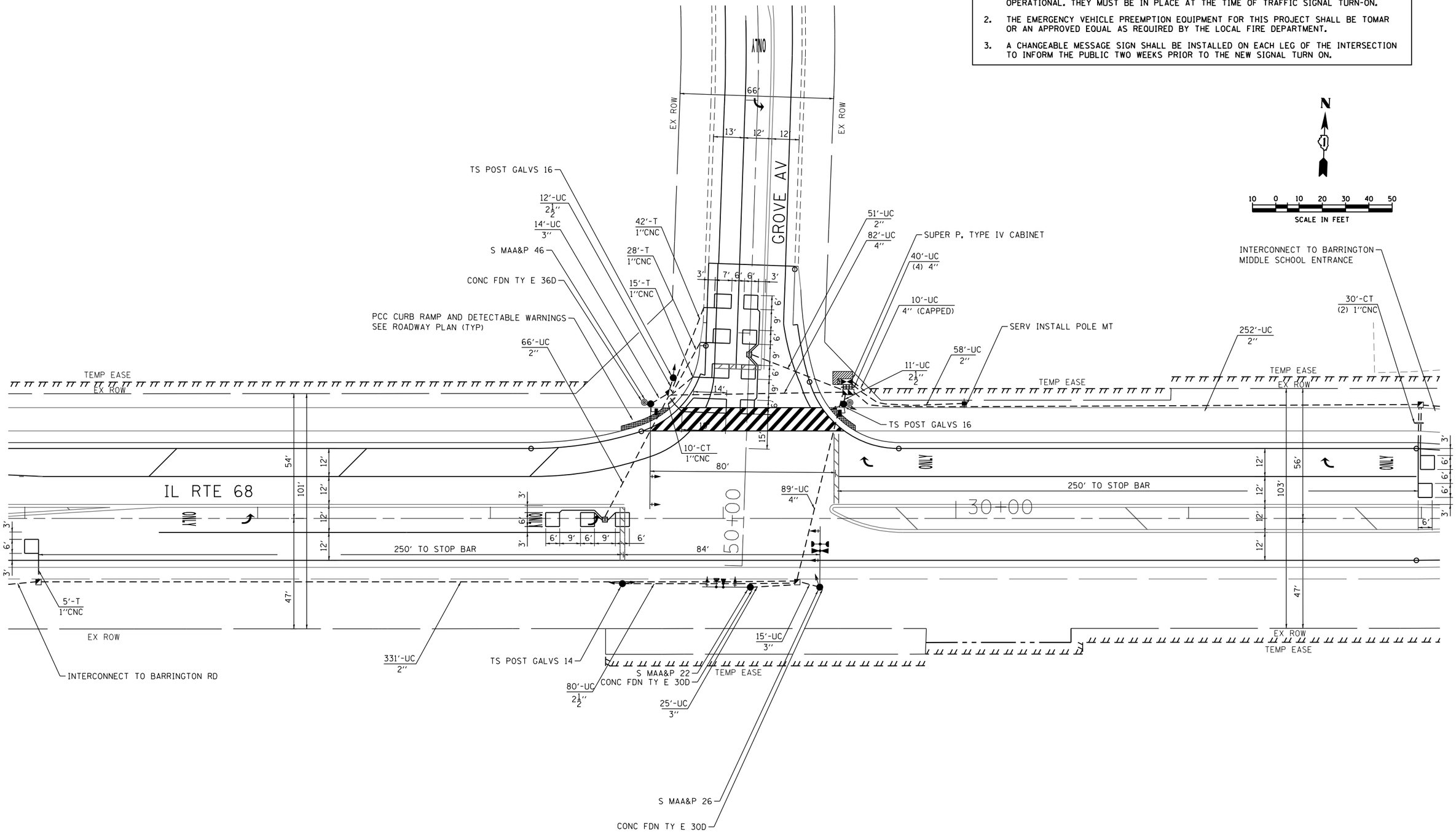
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
ILLINOIS ROUTE 68 (DUNDEE ROAD) AT BARRINGTON ROAD

SCALE: NTS | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	78
		CONTRACT NO.		62A36
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

1. STOP BARS ARE NOT TO BE PLACED PRIOR TO THE PROPOSED TRAFFIC SIGNALS BEING OPERATIONAL. THEY MUST BE IN PLACE AT THE TIME OF TRAFFIC SIGNAL TURN-ON.
2. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE TOMAR OR AN APPROVED EQUAL AS REQUIRED BY THE LOCAL FIRE DEPARTMENT.
3. A CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED ON EACH LEG OF THE INTERSECTION TO INFORM THE PUBLIC TWO WEEKS PRIOR TO THE NEW SIGNAL TURN ON.



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USER NAME = tyelton	DESIGNED - JJS	REVISED -
	DRAWN - JJS	REVISED -
PLOT SCALE = 1'=20'	CHECKED - TEH	REVISED -
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -

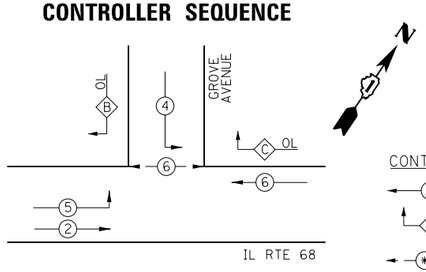
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
ILLINOIS ROUTE 68 (DUNDEE ROAD) AT GROVE AVENUE

SCALE: 1"=20' | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	79
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE



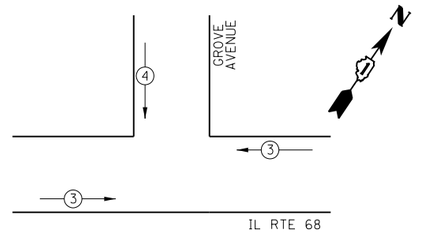
CONTROLLER SEQUENCE LEGEND

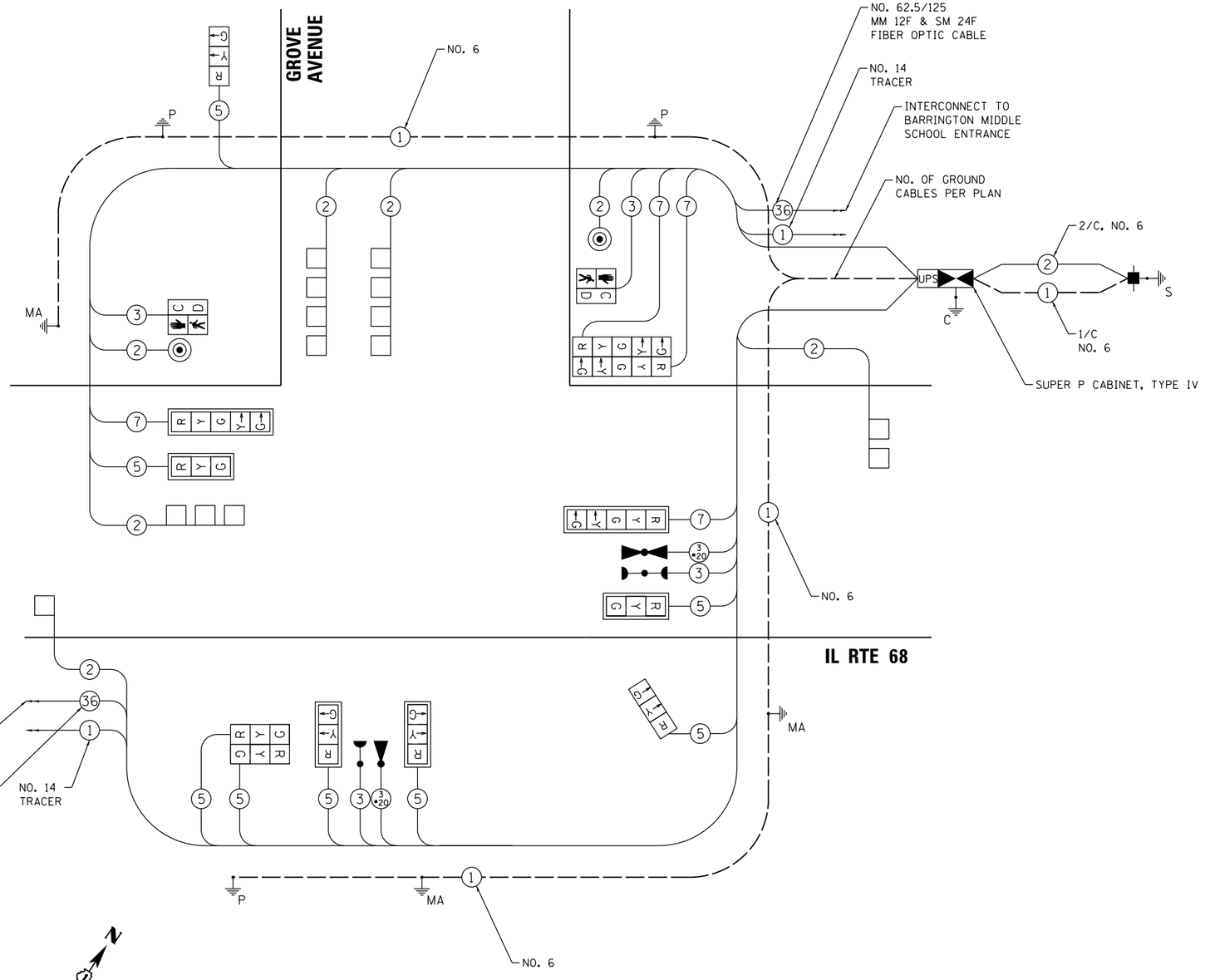
- DUAL ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

OVERLAP PHASE		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	4

EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		17	0.50	102.0
(YELLOW)	12		25	0.25	75.0
(GREEN)	12		15	0.25	45.0
ARROW (YELLOW)	4		12	0.10	4.8
ARROW (GREEN)	4		12	0.10	4.8
PEDESTRIAN SIGNAL	2		25	1.00	50.0
CONTROLLER	1		100	1.00	100.0
UPS	1		25	1.00	25.0
				TOTAL =	406.6

ENERGY COSTS TO: VILLAGE OF BARRINGTON
200 S. HOUGH STREET
BARRINGTON, IL 60010

ENERGY SUPPLY CONTACT: KATHY NYSTROM
PHONE: (847) 608-2331
COMPANY: COMMONWEALTH EDISON

NOTE:
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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USER NAME = tyelton	DESIGNED - JJS	REVISED -	
	DRAWN - JJS	REVISED -	
PLOT SCALE = NTS	CHECKED - TEH	REVISED -	
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -	

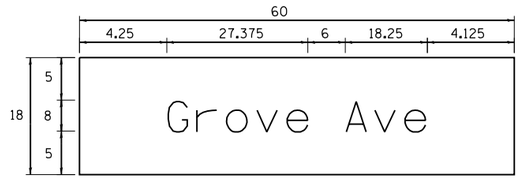
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
ILLINOIS ROUTE 68 (DUNDEE ROAD) AT GROVE AVENUE

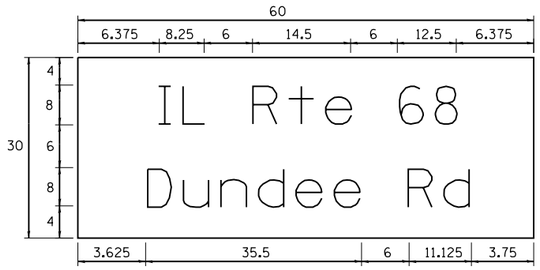
SCALE: NTS | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	80
		CONTRACT NO.	62A36	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.50	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

CHANGEABLE MESSAGE SIGN	CAL MO	3
SIGN PANEL - TYPE 1	SQ FT	15.00
SIGN PANEL - TYPE 2	SQ FT	12.50
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	758.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	103.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	54.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	221.0
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	178.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	537.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,483.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	426.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,133.5
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	90.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	775.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12.0
CONCRETE FOUNDATION, TYPE C	FOOT	4.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	492.0
• LIGHT DETECTOR	EACH	2
• LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	2
• EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	341.0
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

•NOTE: 100% OF THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT COST WILL BE PAID BY THE VILLAGE OF BARRINGTON.

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	DRAWN - JJS	REVISED -
PLOT SCALE = NTS	CHECKED - TEH	REVISED -
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 68 (DUNDEE ROAD) AT GROVE AVENUE

SCALE: NTS | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

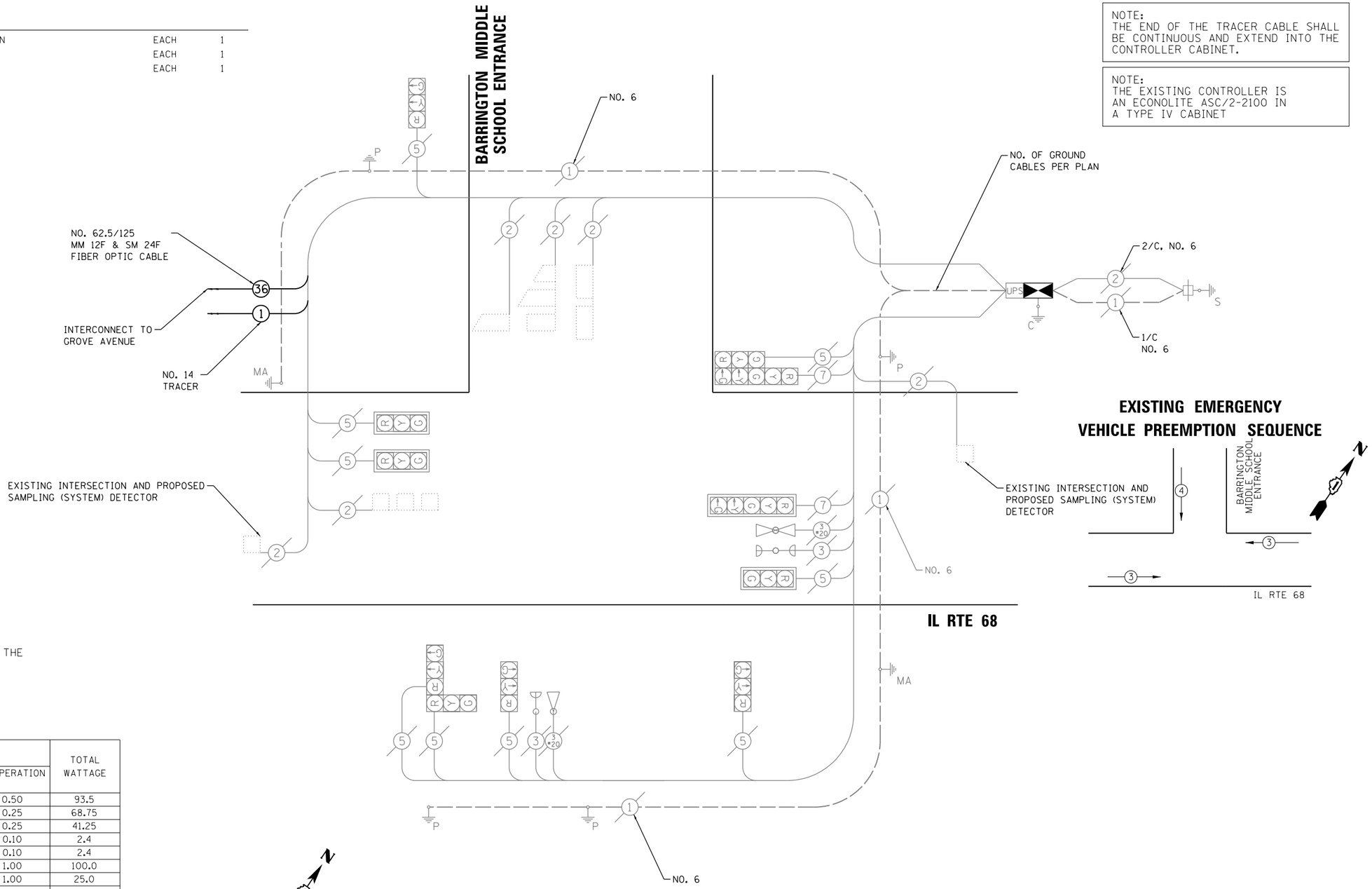
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	81
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1

NOTE:
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

NOTE:
THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2-2100 IN A TYPE IV CABINET



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE RETURNED TO THE IDOT STOCK YARD:

1 EACH FULL-ACTUATED CONTROLLER

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	11		17	0.50	93.5
(YELLOW)	11		25	0.25	68.75
(GREEN)	11		15	0.25	41.25
ARROW (YELLOW)	2		12	0.10	2.4
ARROW (GREEN)	2		12	0.10	2.4
CONTROLLER	1		100	1.00	100.0
UPS	1		25	1.00	25.0
				TOTAL =	333.3

ENERGY COSTS TO: VILLAGE OF BARRINGTON
200 S. HOUGH STREET
BARRINGTON, IL 60010

ENERGY SUPPLY CONTACT: KATHY NYSTROM
PHONE: (847) 608-2331
COMPANY: COMMONWEALTH EDISON

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP" COMPLIANT.

CABLE PLAN

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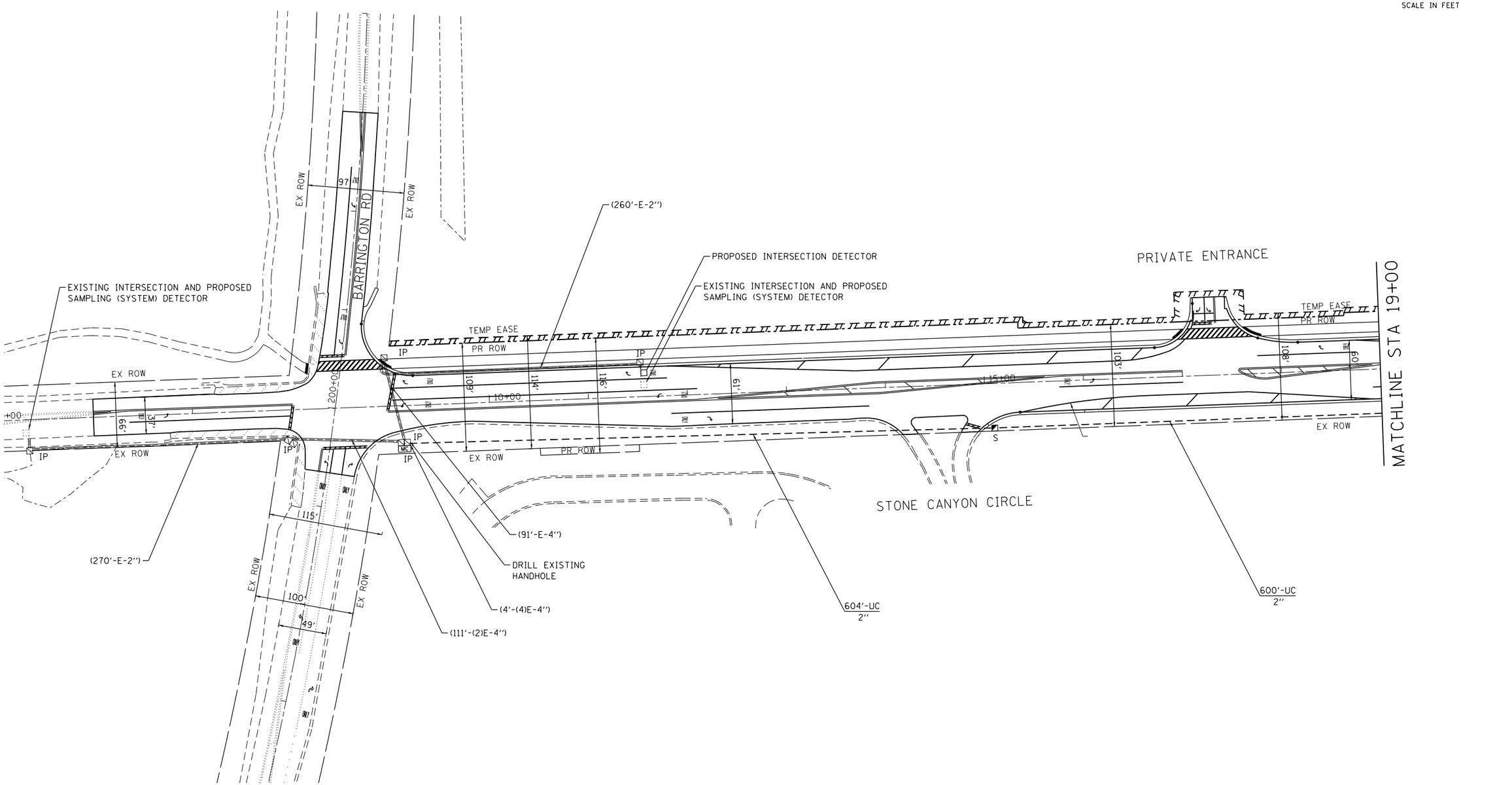
	DRAWN - JJS	REVISED -	
PLOT SCALE = NTS	CHECKED - TEH	REVISED -	
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESTINATION DIAGRAM
ILLINOIS ROUTE 68 (DUNDEE ROAD) AT BARRINGTON MIDDLE SCHOOL ENTRANCE

SCALE: NTS | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	82
		CONTRACT NO.		62A36
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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	DRAWN - JJS	REVISED -
PLOT SCALE = 1'=50'	CHECKED - TEH	REVISED -
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL ROUTE 68 (DUNDEE RD) FROM BARRINGTON RD
TO BARRINGTON MIDDLE SCHOOL ENTRANCE

SCALE: 1"=50' | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	83
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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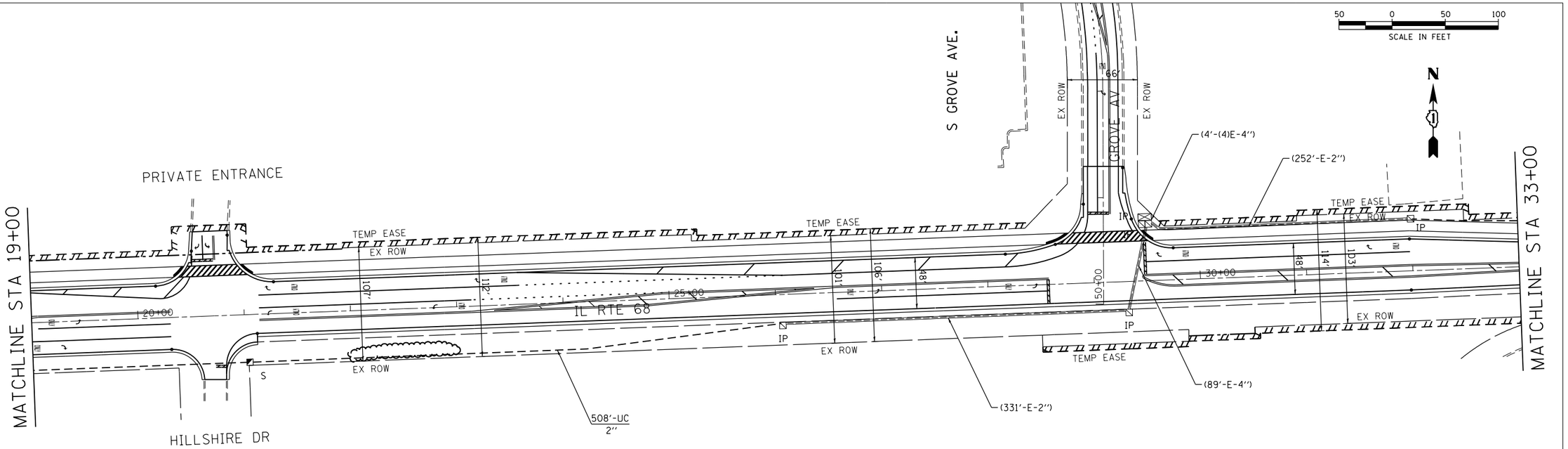

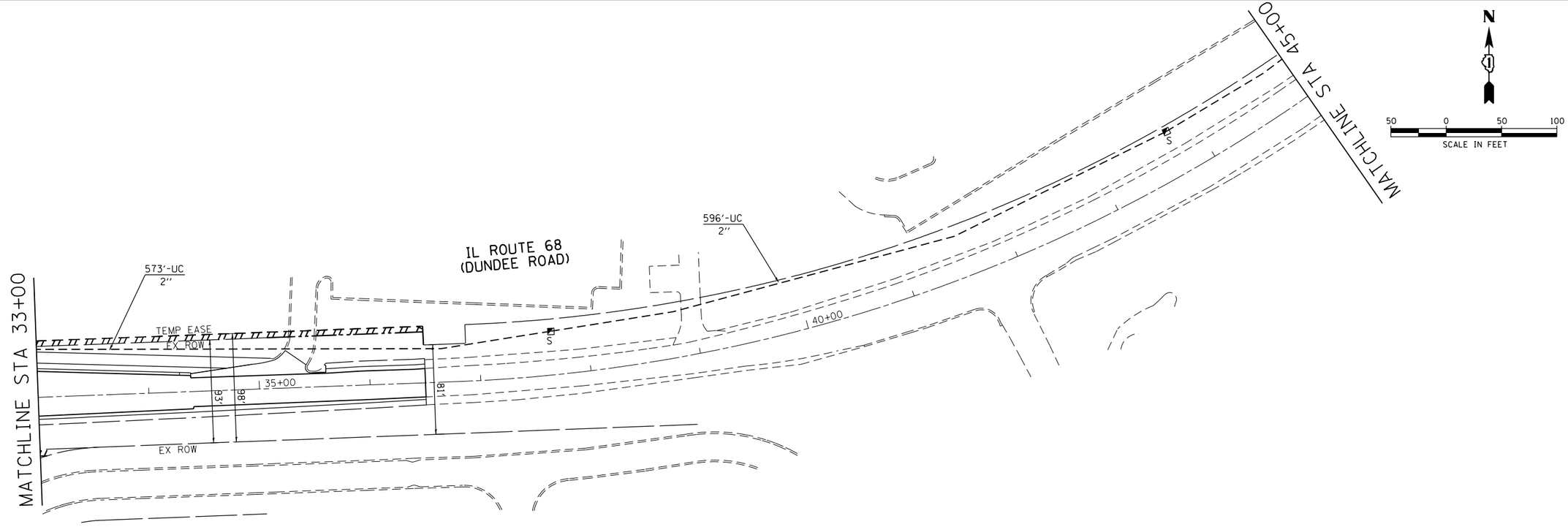

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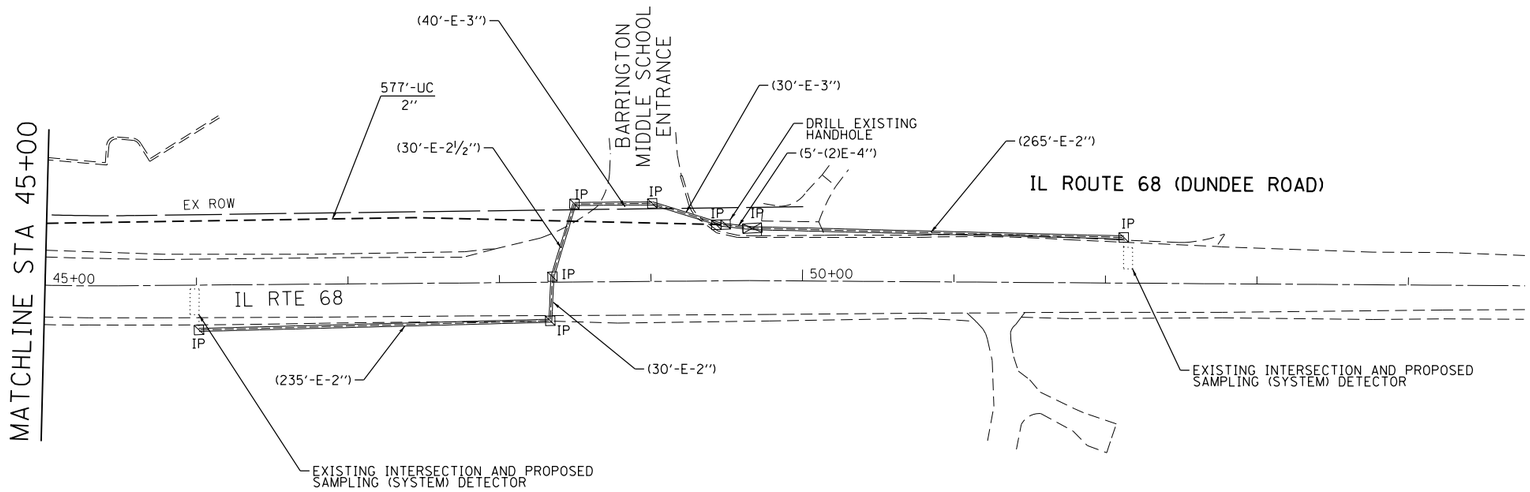
USER NAME = tyelton	DESIGNED - JJS	REVISED -
	DRAWN - JJS	REVISED -
PLOT SCALE = 1'=50'	CHECKED - TEH	REVISED -
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL ROUTE 68 (DUNDEE RD) FROM BARRINGTON RD
TO BARRINGTON MIDDLE SCHOOL ENTRANCE

SCALE: 1"=50' | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	84
		CONTRACT NO.		62A36
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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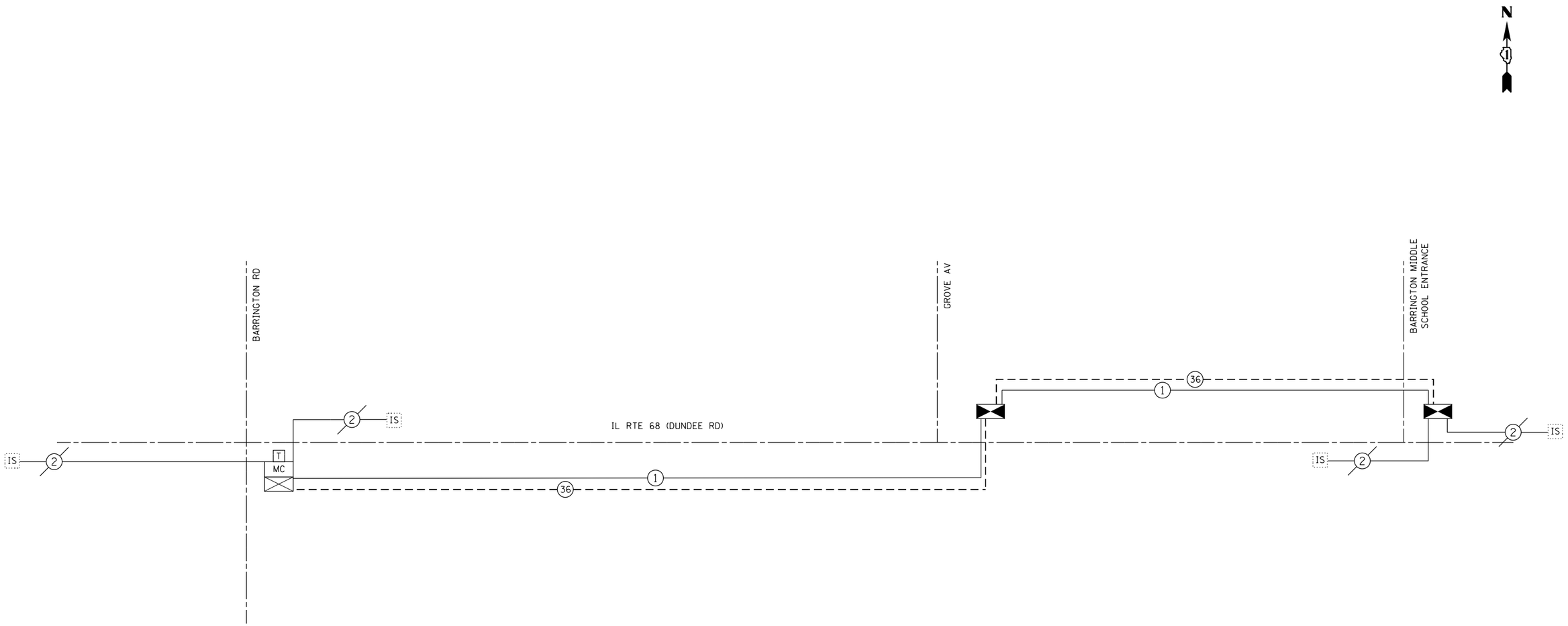
	DRAWN - JJS	REVISED -
PLOT SCALE = 1'=50'	CHECKED - TEH	REVISED -
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL ROUTE 68 (DUNDEE RD) FROM BARRINGTON RD TO BARRINGTON MIDDLE SCHOOL ENTRANCE

SCALE: 1"=50' | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	85
		CONTRACT NO.		62A36
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



INTERCONNECT SCHEDULE OF QUANTITIES

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,458.0
HANDHOLE	EACH	4
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,274.0
DRILL EXISTING HANDHOLE	EACH	2
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4,313.0

COMPANY NAME: $COMPANY_NAME$
PROJECT CONTACT: $PROJECT_CONTACTS$
CLIENT: $CLIENTS$
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PLOT DRIVER: IL.pdf.bw.plrcfg
PEN TABLE: plotdebl.tbl

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86100196.45-interconnectschem.dgn

HRGreen.com
Illinois Professional Design Firm
184-001322
HRGreen

USER NAME = tyelton	DESIGNED - JJS	REVISED -	
	DRAWN - JJS	REVISED -	
PLOT SCALE = NTS	CHECKED - TEH	REVISED -	
PLOT DATE = 6/14/2016	DATE - 6/14/16	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
IL ROUTE 68 (DUNDEE RD) FROM BARRINGTON RD
TO BARRINGTON MIDDLE SCHOOL ENTRANCE

SCALE: NTS | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	86
		CONTRACT NO. 62A36		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

VILLAGE OF BARRINGTON

DUNDEE ROAD WATER MAIN IMPROVEMENTS

BARRINGTON, ILLINOIS

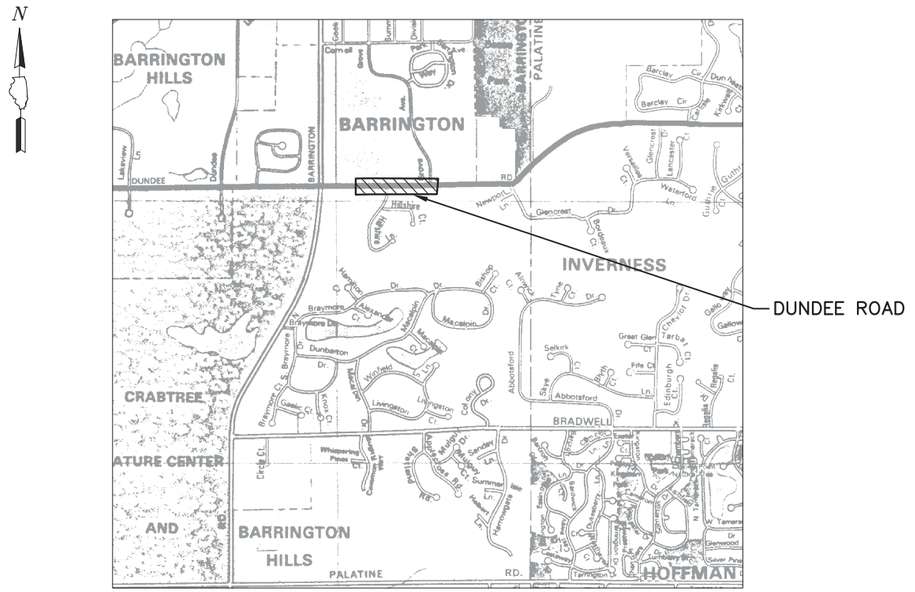
STANDARD SYMBOLS

EXISTING	FEATURE	PROPOSED
BM/TBM	BENCHMARK	BM/TBM
▫	CONCRETE R.O.W. MONUMENT	
	R.O.W. LINE	
	STORM SEWER	
◎	STORM SEWER MANHOLE	◉
○	CATCH BASIN	●
□	INLET	■
○C.O.	CLEAN OUT	○C.O.
	SANITARY SEWER	
	SANITARY FORCEMAIN	
◎	SANITARY SEWER MANHOLE	◉
⊠	WATER VAULT	⊠
⊗	VALVE BOX	⊗
W	WATERMAIN	W
	FIRE HYDRANT	
⊙GAS	GAS MANHOLE	⊙GAS
△GAS	GAS VALVE	△GAS
G	GAS MAIN	G
T	TELEPHONE LINES	T
□IBT	IBT BOX	□IBT
⊙IBT	IBT MANHOLE	⊙IBT
E	ELECTRIC LINES	E
⊙ELEC.	ELECTRIC MANHOLE	⊙ELEC.
⊸	UTILITY POLE	⊸
⊸	SIGN	⊸
⊹	LIGHT STANDARD	✦
x x x x x	FENCE	x x x x x
10"ø	TREE	
	SHRUB	
857	CONTOUR LINE	857
x 854.7	SPOT GRADE	x 857.4
	HEADWALL	
	FLARED END SECTION	
	CULVERT	
	SWALE	
∘	PROPERTY PIN	∘
RIM / INV.	STORM SEWER STRUCTURE ELEVATION	RIM / INV.
RIM / INV.	SANITARY SEWER STRUCTURE ELEVATION	RIM / INV.
RIM / RIM / T.O.P. / T.O.P.	WATER MAIN STRUCTURE ELEVATION	RIM / RIM / TOP / T.O.P.
CP#145 △	CONTROL POINT	

EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

CONTRACTOR IS RESPONSIBLE FOR CONTACTING J.U.L.I.E. AT 1-800-892-0123 AND MUST ACQUIRE A DIG NUMBER A MINIMUM OF 72 HOURS PRIOR TO ANY WORK BEING DONE. CALL BEFORE YOU DIG: UNION PACIFIC RAILROAD AT 312-496-4738 AND UNION PACIFIC RAILROAD (FIBER OPTICS) AT 1-800-336-9193.

LOCATION MAP



BENCHMARK:

SEE IDOT PLANS FOR BENCHMARK AND CONTROL INFORMATION

SHEET INDEX

TOPOGRAPHIC SURVEY BY:
Baxter & Woodman, Inc.
8678 Ridgefield Road
Crystal Lake, IL 60012
Telephone: 815.459.1260

SUPPLEMENTAL SURVEY BY:
Gewalt Hamilton Associates, Inc.
850 Forest Edge Drive
Vernon Hills, Illinois 60061
Telephone: 847-478-9700

NOTE: CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT (847) 381-7903 48 HOURS IN ADVANCE OF ANY WORK.

PERMITTING/COORDINATING AGENCIES

1.	VILLAGE OF BARRINGTON (ENGINEERING DEPARTMENT)	(847) 304-3460
2.	ILLINOIS DEPARTMENT OF TRANSPORTATION	(847) 705-4131
3.	ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	(217)-782-1724

NOTE:
CONSTRUCTION MEANS, METHODS & JOBSITE SAFETY ARE THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR.

LEO X. MORAND
062-059505
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
11-30-15

VILLAGE OF BARRINGTON

SHEET # 120-87

GHA GEWALT HAMILTON ASSOCIATES, INC.
850 Forest Edge Drive ▪ Vernon Hills, IL. 60061
TEL 847.478.9700 ▪ FAX 847.478.9701

TITLE SHEET
VILLAGE OF BARRINGTON
DUNDEE ROAD WATER MAIN IMPROVEMENTS
BARRINGTON, ILLINOIS

NO.	BY	DATE	REVISION

NO.	BY	DATE	REVISION

FILE: 4370.309-Dundee-DT1.dwg
DRAWN BY: BJW
DATE: 6-5-14
CHECKED BY: LXM
DATE: 6-5-14
GHA PROJECT # 4370.309
SCALE: N.A.
SHEET NUMBER: 1 OF 5 SHEETS

GENERAL NOTES

A–1. NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED 'FOR CONSTRUCTION'. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.

A–2. BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER OR HIS REPRESENTATIVES. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.

A–3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.

A–4. ALL CONSTRUCTION WILL BE INSPECTED BY THE ENGINEER AND THE VILLAGE. SPECIFICALLY ALL TRENCHES AND SEWERS SHALL BE LEFT OPEN (BUT SAFELY BARRICADED) UNTIL INSPECTED AND APPROVED BY THE VILLAGE ENGINEER.

A–5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

A–6. WHEN A CONFLICT BETWEEN PLANS AND SPECIFICATIONS OR NOTES OCCURS, THE ENGINEER SHALL DECIDE WHICH GOVERNS. GENERALLY, THE MORE RESTRICTIVE, MORE SPECIFIC, OR STRICTER PROVISION SHALL GOVERN.

A–7. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, THE VILLAGE OF BARRINGTON AND THEIR AGENTS, FROM ALL LIABILITY INVOLVED IN THE CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON THIS PROJECT.

A–8. THE CONTRACTOR MUST CARRY INSURANCE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND MUST PRESENT A JOB–SPECIFIC CERTIFICATE OF INSURANCE NAMING ALL OFFICIALS AND EMPLOYEES OF THE VILLAGE AND THE ENGINEER, AS ADDITIONAL INSURED.

A–9. EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, J.U.L.I.E., THE VILLAGE OF BARRINGTON, DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

A–10. THE VILLAGE OF BARRINGTON IS A MEMBER OF J.U.L.I.E.
THE VILLAGE PUBLIC WORKS PHONE NUMBER IS: (847) 381–7903.

A–11. AGGREGATE SPECIFIED ON THESE PLANS SHALL BE CONSIDERED CRUSHED STONE MEETING THE GRADATION SPECIFIED. CRUSHED CONCRETE WILL NOT BE ALLOWED.

UTILITY/IEPA NOTES

B–1. LIMESTONE SHALL NOT BE PERMITTED FOR SEWER OR WATERMAIN BEDDING.

B–2. SEWER AND WATER CONTRACTOR SHALL BE LICENSED AND BONDED WITH THE VILLAGE.

B–3. ALL WATERMAIN CONSTRUCTION SHALL CONFORM TO THE VILLAGE OF BARRINGTON, THE IEPA REQUIREMENTS, AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATERMAIN CONSTRUCTION IN ILLINOIS, PUBLISHED BY THE ISPE.

B–4. THE CONTRACTOR SHALL PROVIDE A LIST OF SEWER AND WATER SERVICE MEASUREMENTS TO THE VILLAGE AND TO THE PROJECT ENGINEER AT THE CONCLUSION OF THE JOB.

B–5. ALL STRUCTURE SECTIONS AND ADJUSTING RINGS SHALL BE SECURELY SEALED TO EACH OTHER OR TO THE FRAME, CONE SECTION OF THE STRUCTURE USING RESILIENT, FLEXIBLE, NON–HARDENING, PREFORMED, BITUMINOUS MASTIC (RAM–NEK, OR APPROVED EQUAL.) THIS MASTIC SHALL BE APPLIED IN SUCH A MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE STRUCTURE THROUGH GAPS BETWEEN BARREL SECTIONS OR CONE SECTIONS AND ADJUSTING RINGS.

B–6. ALL EXISTING STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO MATCH PROPOSED GRADES & LANDSCAPING.

B–7. CONNECTION TO THE EXISTING WATERMAIN SHALL BE MADE WITHOUT INTERRUPTION OF EXISTING WATERMAIN FLOW, UNLESS APPROVED BY THE VILLAGE. THE CONTRACTOR MAY TEST AGAINST THE EXISTING VALVE OR MAY UTILIZE A TEMPORARY PLUG, TO BE REMOVED.

B–8. HORIZONTAL SEPARATION – WATER MAINS AND SEWERS:

(1) WATER MAINS SHALL BE LOCATED AT LEAST TEN FEET HORIZONTALLY FROM AN EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION.

(2) WATER MAINS MAY BE LOCATED CLOSER THAN TEN FEET TO A SEWER LINE WHEN

(A) LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET; AND

(B) THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER; AND

(C) THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.

(3) WHEN IT IS IMPOSSIBLE TO MEET (1) OR (2) ABOVE, BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP–ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.

B–9. VERTICAL SEPARATION – WATER MAINS AND SEWERS:

(1) A WATER MAIN SHALL BE SEPARATED FROM A SEWER SO THE BOTTOM OF THE WATER MAIN IS A MINIMUM OF 18 INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.

(2) BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP–ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN:

(A) IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (1) ABOVE; OR

(B) THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.

(3) A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN, AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER. THIS MAY BE AS FOLLOWS:

(A) THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE, AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

(B) EITHER THE WATER MAIN OR THE SEWER LINE MAY BE ENCASED IN A WATERTIGHT CARRIER PIPE WHICH EXTENDS TEN FEET ON BOTH SIDES OF THE CROSSING, MEASURED PERPENDICULAR TO THE WATERMAIN. THE CARRIER PIPE SHALL BE OF MATERIALS APPROVED FOR USE IN WATER MAIN CONSTRUCTION.

(4) CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET.

B–10. WATERMAIN SHALL BE DUCTILE IRON PIPE, CLASS 52, CONFORMING TO ANSI A21.51 OR AWWA C–151. WATERMAIN SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA C–104. GASKETS AND CAST IRON FITTINGS SHALL CONFORM TO ANSI A21.11 OR AWWA C–110 OR C–111. WATERMAIN COVER FROM FINISHED GRADE TO TOP OF WATERMAIN SHALL BE 5.5 FEET. WATERMAIN SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C–600 AND C–601. ALL BOLTS FOR MECHANICAL FITTINGS SHALL BE STAINLESS STEEL. ALL WATERMAIN SHALL BE ENCASED IN A POLYETHYLENE SLEEVE (8 MIL.). WHERE NOTED CLASS 55 DIP SHALL BE USED.

B–11. WHERE SPECIFIED VALVE BOXES SHALL BE TYLER 664–S CAST IRON, THREE PIECE BOX WITH ADAPTER II RUBBER STABILIZER.

B–12. THRUST BLOCKING SHALL BE PROVIDED ON WATER MAIN AT ALL BENDS OF 22 1/2 DEGREES AND ABOVE, TEES, ELBOWS, HYDRANTS, ETC. INDIVIDUAL INSPECTION FOR ALL THRUST BLOCKING IS REQUIRED. THRUST BLOCKING SHALL BE POURED IN PLACE CONCRETE. ALL BENDS GREATER THAN 10 DEGREES, HYDRANTS, TEES, AND FITTINGS SHALL BE M.J. WITH "MEGALUG" RETAINING GLANDS OR FIELD LOK GASKET IN CASINGS, BETWEEN FITTINGS AND AT GRADE CHANGE.

B–13. ALL WATERMAIN SHALL BE THOROUGHLY FLUSHED AND THEN SUBJECTED TO A 2 HOUR PRESSURE AND LEAKAGE TEST AT 150 PSI BY THE CONTRACTOR AND SHALL BE CHLORINATED IN ACCORDANCE WITH VILLAGE STANDARDS AND THE STANDARD SPECIFICATIONS. MAKE–UP WATER SHALL BE SUPPLIED FROM AN OPEN DRUM, AND THE VOLUME OF WATER USED SHALL NOT EXCEED THAT ALLOWED BY THE STANDARD SPECIFICATIONS. THIS TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE VILLAGE OF BARRINGTON.

B–14. ALL WATERMAIN PLACED IN CASING PIPE SHALL UTILIZE "PSI CASING SPACERS AND END SEALS".

B–15. WATER MAINS SHALL BE SEPARATED FOR SEPTIC TANKS, DISPOSAL FIELDS AND SEEPAGE BEDS BY A MINIMUM OF 25 FEET

BILL OF MATERIALS

SHEET # 120-88

NO.	DESCRIPTION	TOTAL QUANTITY	UNITS
20800150.	TRENCH BACKFILL	1,150	CU YD
56103000.	DUCTILE IRON WATER MAIN 6"	45	FOOT
56103100.	DUCTILE IRON WATER MAIN 8"	10	FOOT
56103200.	DUCTILE IRON WATER MAIN 10"	1,490	FOOT
56103300.	DUCTILE IRON WATER MAIN 12"	20	FOOT
56105000.	WATER VALVES 8"	1	EACH
56105100.	WATER VALVES 10"	4	EACH
56400500.	FIRE HYDRANTS TO BE REMOVED	3	EACH
56400820.	FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX	4	EACH
60248900.	VALVE VAULTS, TYPE A, 5'-DIA, TYPE 1 FRAME, CLOSED LID	5	EACH
60500405.	FILLNG VALVE VAULTS	6	EACH
X5610656	WATER MAIN TO BE ABANDONED .6"	40	FOOT
X5610658	WATER MAIN TO BE ABANDONED .8"	25	FOOT
X5610660	WATER MAIN TO BE ABANDONED .10"	1,510	FOOT

GHA GEWALT HAMILTON ASSOCIATES, INC.
850 Forest Edge Drive ▪ Vernon Hills, IL. 60061
TEL 847.478.9700 ▪ FAX 847.478.9701

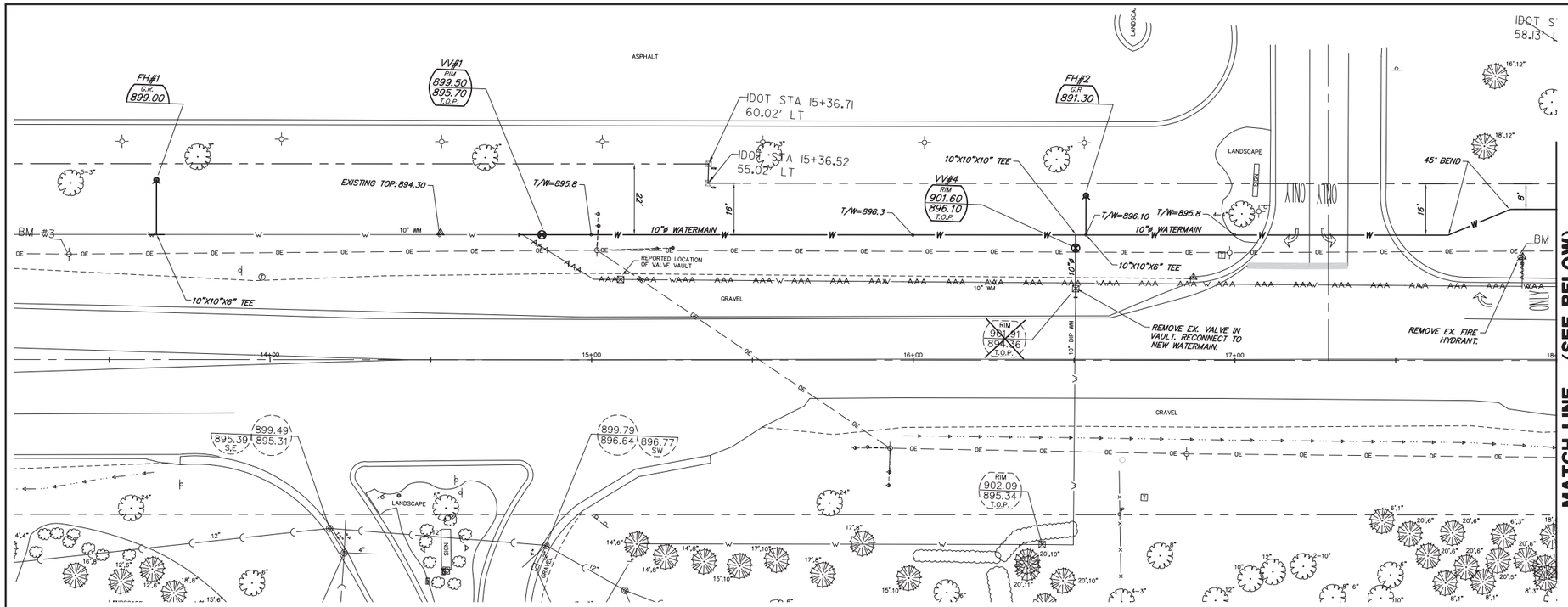
GENERAL NOTES & BILL OF MATERIALS

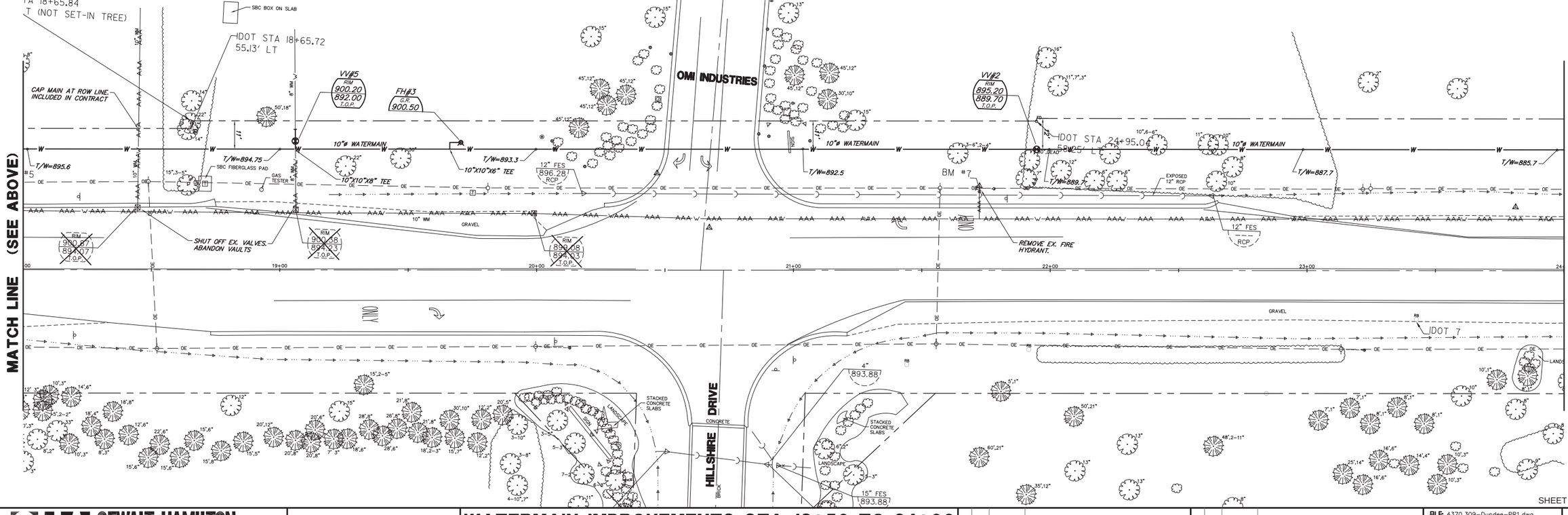
VILLAGE OF BARRINGTON
DUNDEE ROAD WATER MAIN IMPROVEMENTS
BARRINGTON, ILLINOIS

NO.	BY	DATE	REVISION

NO.	BY	DATE	REVISION

FILE: 4370.309–Dundee–DT1.dwg
DRAWN BY: BJW DATE: 6–5–14
GHA PROJECT # 4370.309
CHECKED BY: LXM DATE: 6–5–14
SCALE: N.A.
SHEET NUMBER: 2 OF 5 SHEETS





LEO X. MORAND
062-059505
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
EXP. 11-30-15

N

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.

NOTE:

THESE PLANS ARE FOR THE SOLE PURPOSE OF INSTALLATION OF THE PROPOSED WATER MAIN. FOR ALL REQUIRED DEMOLITION, PAVING AND RESTORATION REFER TO PLANS BY IDOT. THE CONTRACTOR IS TO NOTE THE TOP OF PIPE GRADES SHOWN ON THESE PLANS. THESE GRADES REFERENCE THE PROPOSED GRADES ABOVE THE CENTERLINE OF THE WATER MAIN PER IDOT PLANS DATED 5/29/14. IF FIELD CHANGES ALTER THESE GRADES THE CONTRACTOR SHALL LOWER OR RAISE THE WATER MAIN AS NEEDED TO MAINTAIN 5.5' OF BURY DEPTH TO THE TOP OF PIPE FROM FINISHED GRADE.

SHEET # 120-89

GHA GEWALT HAMILTON ASSOCIATES, INC.
850 Forest Edge Drive ▪ Vernon Hills, IL. 60061
TEL 847.478.9700 ▪ FAX 847.478.9701

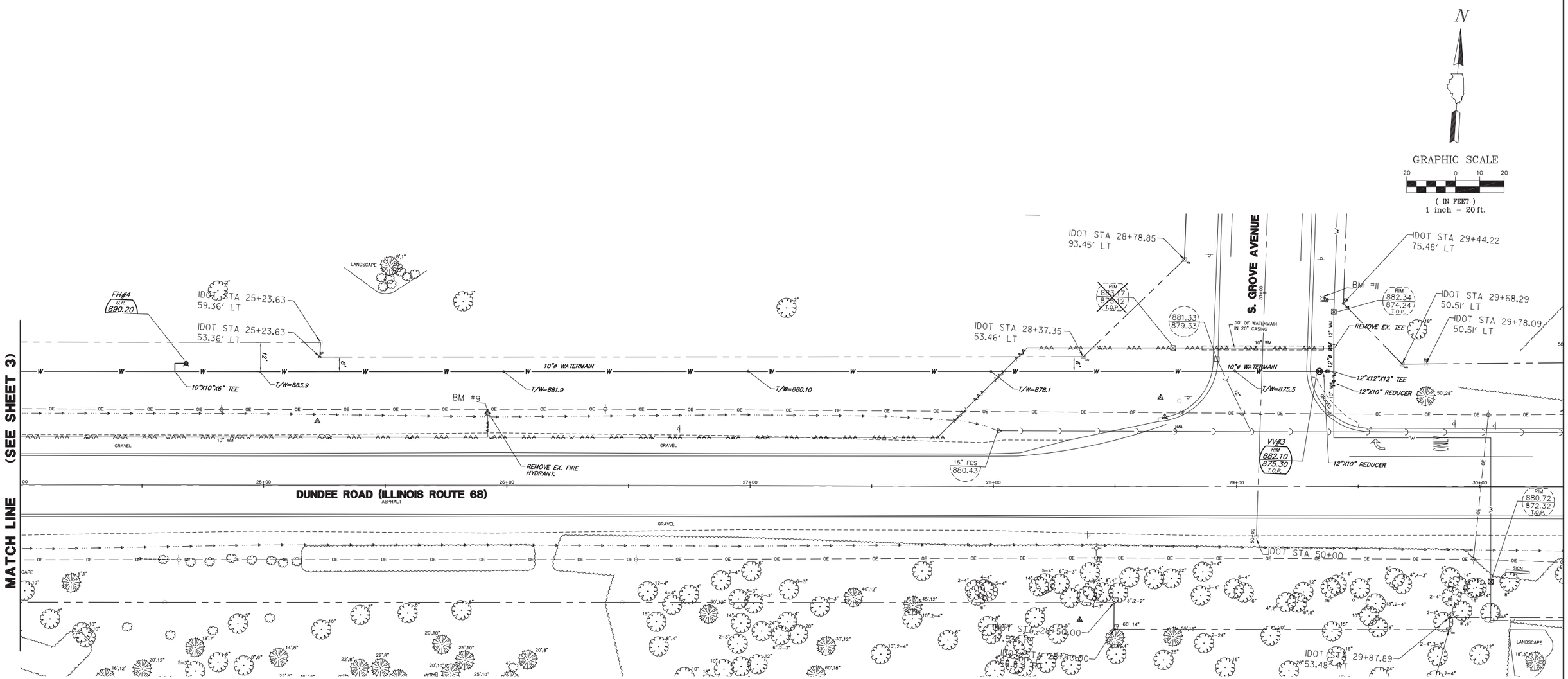
WATERMAIN IMPROVEMENTS STA 13+50 TO 24+00

VILLAGE OF BARRINGTON
DUNDEE WATER MAIN IMPROVEMENTS
BARRINGTON, ILLINOIS

NO.	BY	DATE	REVISION

NO.	BY	DATE	REVISION

FILE: 4370.309-Dundee-PR1.dwg
DRAWN BY: BJW
DATE: 6-5-14
GHA PROJECT # 4370.009
CHECKED BY: LXM
DATE: 6-5-14
SCALE: 1"=20'
SHEET NUMBER: 3
OF 5 SHEETS



Point Table				
Point #	Northing	Easting	Elevation	Description
2	1989414.56	1037759.26	888.44	CP BARRINGTON RD
4	1989496.60	1038301.04	899.41	CP STONE CANYON
6	1989496.78	1038915.76	898.24	CP HILLSHIRE
8	1989523.85	1039369.91	887.88	CP
10	1989546.81	1039715.94	883.36	CP GROVE
12	1989537.75	1040055.01	878.17	CP RB
13	1989553.61	1040430.76	877.40	CP PRESCHOOL
16	1989591.44	1040786.56	877.51	CP 36 DUNDEE
18	1989670.09	1041017.12	874.15	CP GLENCREST
20	1990033.32	1041537.89	866.21	CP PRAIRIE CAMPU
21	1990196.47	1041833.14	865.25	CP PK
22	1990337.44	1042025.81	858.17	CP PK
24	1989398.41	1037724.64	888.29	CP
25	1989407.31	1037564.10	882.26	CP PK
26	1989325.65	1037866.61	902.81	CP TEMP
27	1989356.02	1038074.86	903.26	CP
31	1989639.38	1039928.73	878.36	CP RB
32	1989454.27	1039686.21	886.36	CP RB
33	1989445.76	1040407.32	875.63	CP PK
34	1989467.92	1040494.42	875.06	CP PK
35	1989490.82	1041100.14	875.31	CP PK
36	1989750.61	1041226.88	869.36	CP PK

LEO X. MORAND
062-059505
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
EXP. 11-30-15

NOTE:

THESE PLANS ARE FOR THE SOLE PURPOSE OF INSTALLATION OF THE PROPOSED WATER MAIN. FOR ALL REQUIRED DEMOLITION, PAVING AND RESTORATION REFER TO PLANS BY IDOT. THE CONTRACTOR IS TO NOTE THE TOP OF PIPE GRADES SHOWN ON THESE PLANS. THESE GRADES REFERENCE THE PROPOSED GRADES ABOVE THE CENTERLINE OF THE WATER MAIN PER IDOT PLANS DATED 5/29/14. IF FIELD CHANGES ALTER THESE GRADES THE CONTRACTOR SHALL LOWER OR RAISE THE WATER MAIN AS NEEDED TO MAINTAIN 5.5' OF BURY DEPTH TO THE TOP OF PIPE FROM FINISHED GRADE.

SHEET # 120-90

GHA GEWALT HAMILTON ASSOCIATES, INC.
850 Forest Edge Drive ▪ Vernon Hills, IL. 60061
TEL 847.478.9700 ▪ FAX 847.478.9701

WATERMAIN IMPROVEMENTS STA 24+00 TO 30+00

VILLAGE OF BARRINGTON
DUNDEE WATER MAIN IMPROVEMENTS
BARRINGTON, ILLINOIS

NO.	BY	DATE	REVISION

NO.	BY	DATE	REVISION

FILE: 4370.309-Dundee-PR1.dwg
DRAWN BY: BJW
DATE: 6-5-14
GHA PROJECT # 4370.009
CHECKED BY: LXM
DATE: 6-5-14
SCALE: 1"=20'

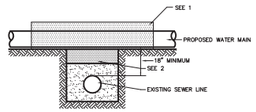
SHEET NUMBER: 4
OF 5 SHEETS

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH 18" MINIMUM SEPARATION.

NOTE: CLASS IV MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.

GUIDELINES

1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER LINE.
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.

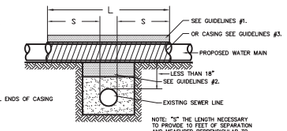


PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER.



WATER AND SEWER SEPARATION REQUIREMENTS

PROPOSED SEWER LINE WITH 18"MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN.

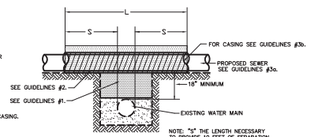
NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE, WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.

3a. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

b. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

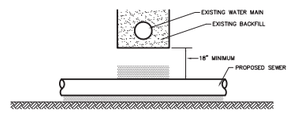


WATER AND SEWER SEPARATION REQUIREMENTS

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.

GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.



PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

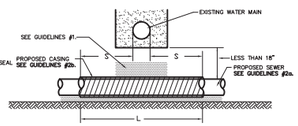
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET ON EACH SIDE OF WATER MAIN.

2a. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

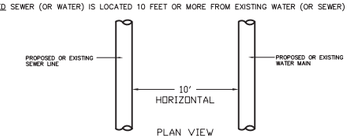
b. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

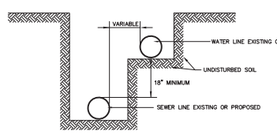


WATER AND SEWER SEPARATION REQUIREMENTS

PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER)



PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER)



WATER AND SEWER SEPARATION REQUIREMENTS

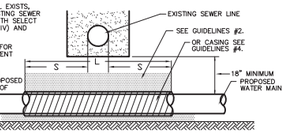
PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

GUIDELINES

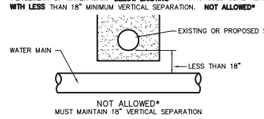
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AND MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

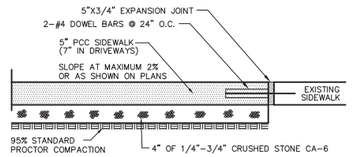


PLACEMENT OF WATER MAIN **BELOW EXISTING** OR PROPOSED SEWER LINE **WITH LESS** THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED***



NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

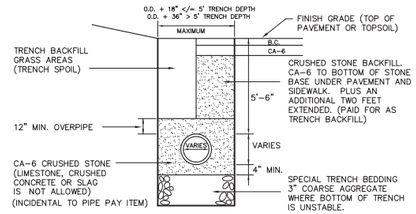
WATER AND SEWER SEPARATION REQUIREMENTS



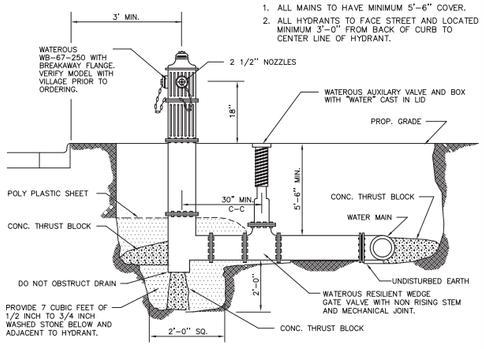
NOTE:

1. SET 3/4" EXPANSION JOINTS AT POINTS ABUTTING CURB OR PAVEMENT AND AT 45' MAX. INTERVALS.
2. CONTROL JOINTS SHALL BE 1/8" TO 1/4" WIDE AND 1/4 OF THE SIDEWALK THICKNESS DEEP. THE EDGE OF THE CONTROL JOINTS SHALL BE GIVEN A 1/4" RADIUS.
3. SIDEWALK WIDTH AS SHOWN ON PLANS.
4. SIDEWALK ADJACENT TO CURB SHALL BE PINNED TO CURB WITH #5 EPOXY COATED DOWEL BARS @ 30" O.C.

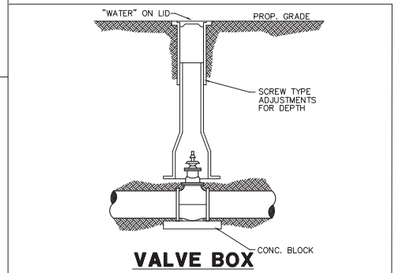
PCC SIDEWALK DETAIL



WATERMAIN TRENCH DETAIL



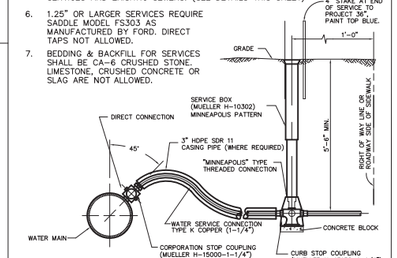
FIRE HYDRANT



VALVE BOX

NOTES:

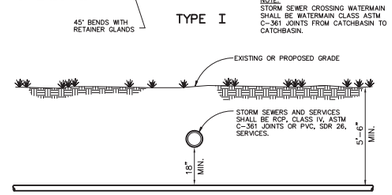
1. SERVICE PIPE TO BE WEAVED IN TRENCH TO ALLOW AT LEAST ONE (1) FOOT EXTRA LENGTH IN ITS LENGTH.
2. UPON COMPLETION OF WATER SERVICE CONSTRUCTION, ALL BOXES ARE TO BE SET AT FINISHED GRADE.
3. JET ALL TRENCHES.
4. ALL WATER SERVICES TO HOUSE WILL HAVE MINIMUM 5.5' OF GROUND COVER.
5. MINIMUM SEPARATION REQUIREMENTS MUST BE MAINTAINED BETWEEN SERVICES AND EXISITNG SEWERS. (SEE DETAILS THIS SHEET)
6. 1.25" OR LARGER SERVICES REQUIRE SADDLE MODEL FS303 AS MANUFACTURED BY FORD. DIRECT TAPS NOT ALLOWED.
7. BEDDING & BACKFILL FOR SERVICES SHALL BE CA-6 CRUSHED STONE. LIMESTONE, CRUSHED CONCRETE OR SLAG ARE NOT ALLOWED.



WATER SERVICE DETAIL

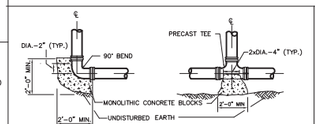
TYPE I

NOTE:
STORM SEWER CROSSING WATERMAIN SHALL BE WATERMAIN CLASS ASTM C-361 JOINTS FROM CATCHBASIN TO CATCHBASIN.



TYPE II

WATERMAIN CROSSING

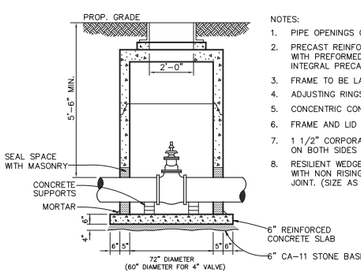


SECTIONAL VIEW

NOTES:

1. BLOCKING SHALL BE APPLIED FOR ALL TEES, PLUGS, CAPS, & 22 1/2° OR MORE BENDS.
2. THRUST BLOCKS TO BE CLASS "X" CONCRETE.
3. BEARING AREAS OF UNDISTURBED EARTH SHALL HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 P.S.F.
4. BEARING AREA OF SOIL BASED ON 65 P.S.I. WATERMAIN PRESSURE.

THRUST BLOCKING



NOTES:

1. PIPE OPENINGS CAST INTO WALL.
2. PRECAST REINFORCED CONCRETE SECTIONS WITH PREFORMED BITUMINOUS JOINTS AND INTEGRAL PRECAST BOTTOMS.
3. FRAME TO BE LAID IN 3/4" MASTIC BED.
4. ADJUSTING RINGS NOT TO EXCEED 8".
5. CONCENTRIC CONE.
6. FRAME AND LID AS SPECIFIED.
7. 1 1/2" CORPORATION STOP REQUIRED ON BOTH SIDES OF VALVE.
8. RESILIENT WEDGE GATE VALVE WITH NON RISING STEM AND MECHANICAL JOINT. (SIZE AS LABELED)

VALVE VAULT

SHEET # 120-91

GHA GEWALT HAMILTON ASSOCIATES, INC.
850 Forest Edge Drive ▪ Vernon Hills, IL. 60061
TEL 847.478.9700 ▪ FAX 847.478.9701

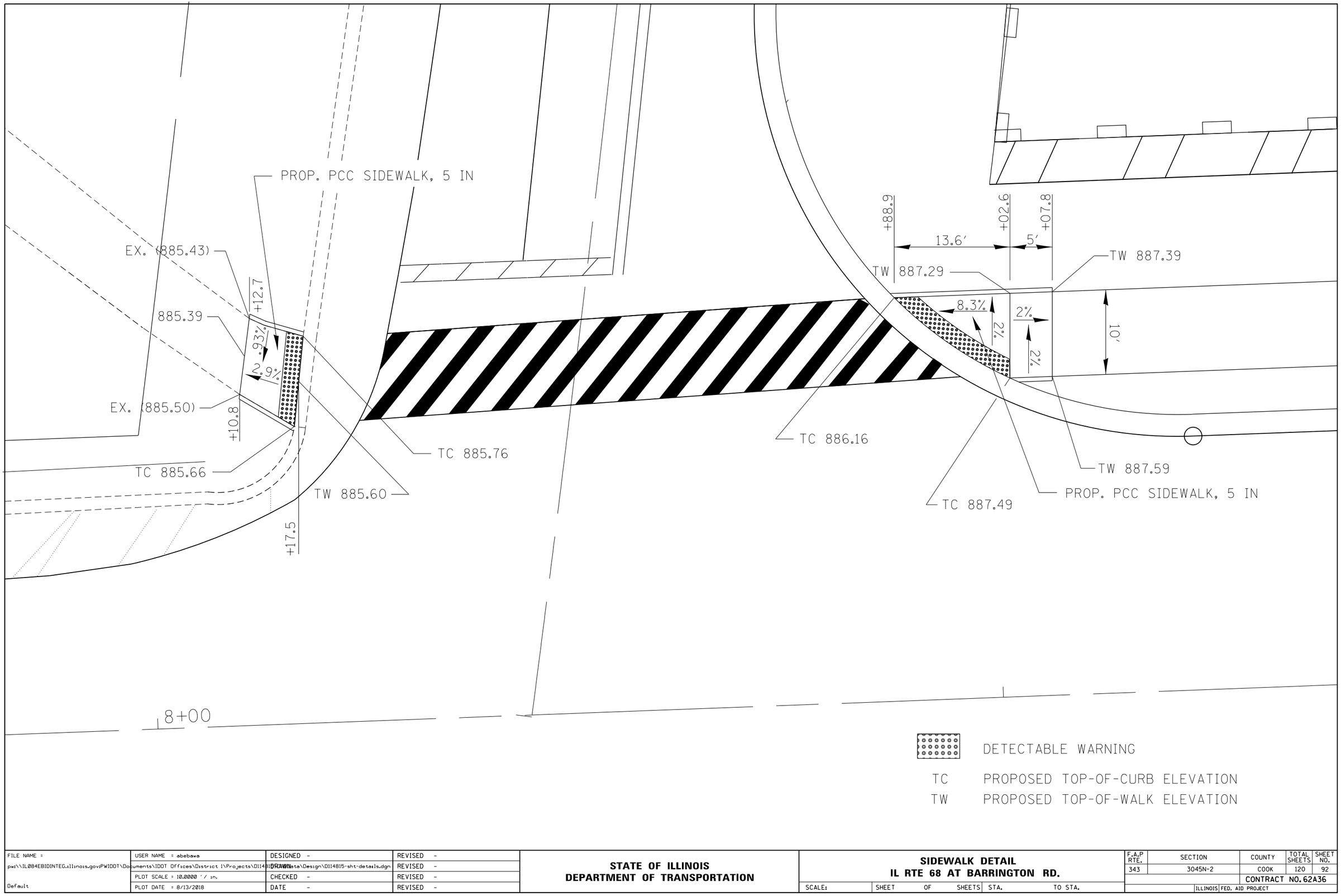
DETAILS

VILLAGE OF BARRINGTON
DUNDEE ROAD WATER MAIN IMPROVEMENTS
BARRINGTON, ILLINOIS

NO.	BY	DATE	REVISION

NO.	BY	DATE	REVISION

FILE: 4370.309-Dundee-DT1.dwg
DRAWN BY: BJW
DATE: 6-5-14
GHA PROJECT # 4370.309
CHECKED BY: LXM
DATE: 6-5-14
SCALE: N.A.
SHEET NUMBER: 5
OF 5 SHEETS



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		DRAWN -	REVISED -
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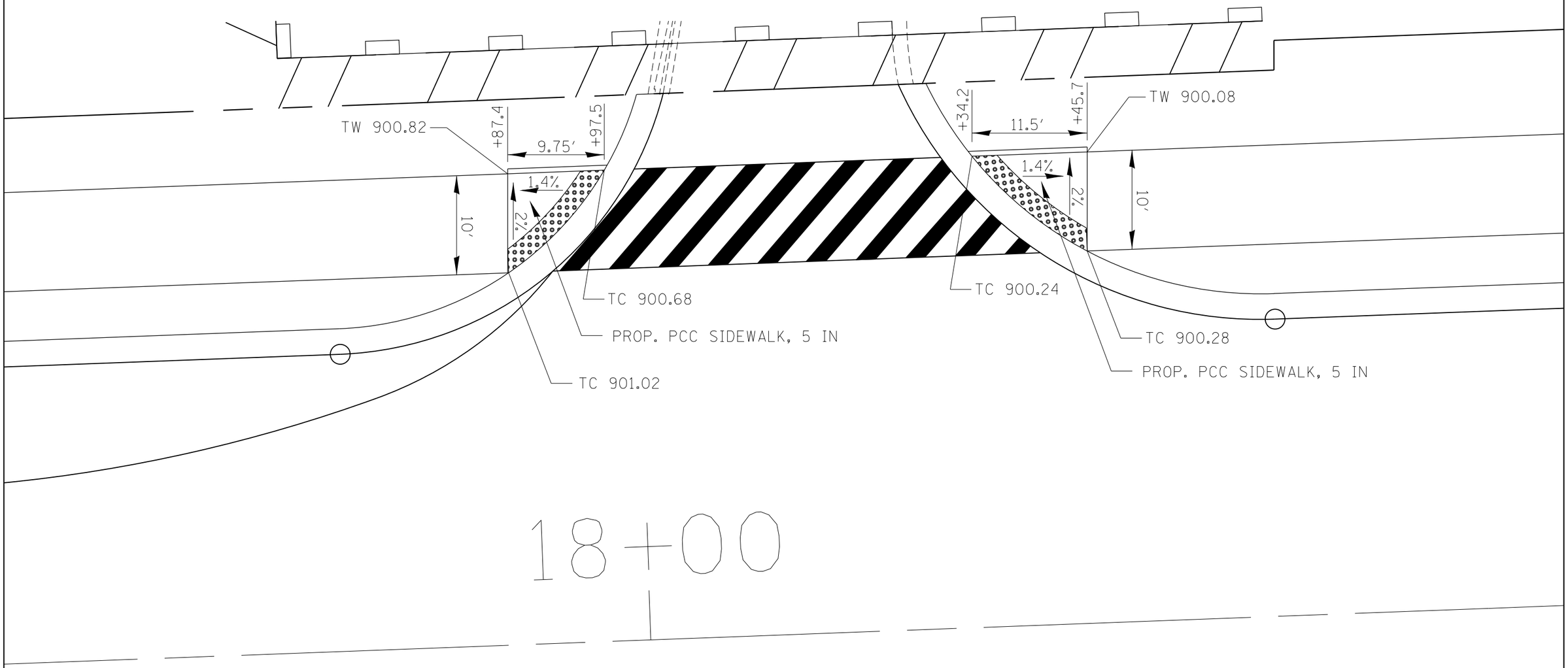
Default	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL
IL RTE 68 AT BARRINGTON RD.

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	92
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			



DETECTABLE WARNING

TC PROPOSED TOP-OF-CURB ELEVATION

TW PROPOSED TOP-OF-WALK ELEVATION

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		DRAWN -	REVISED -
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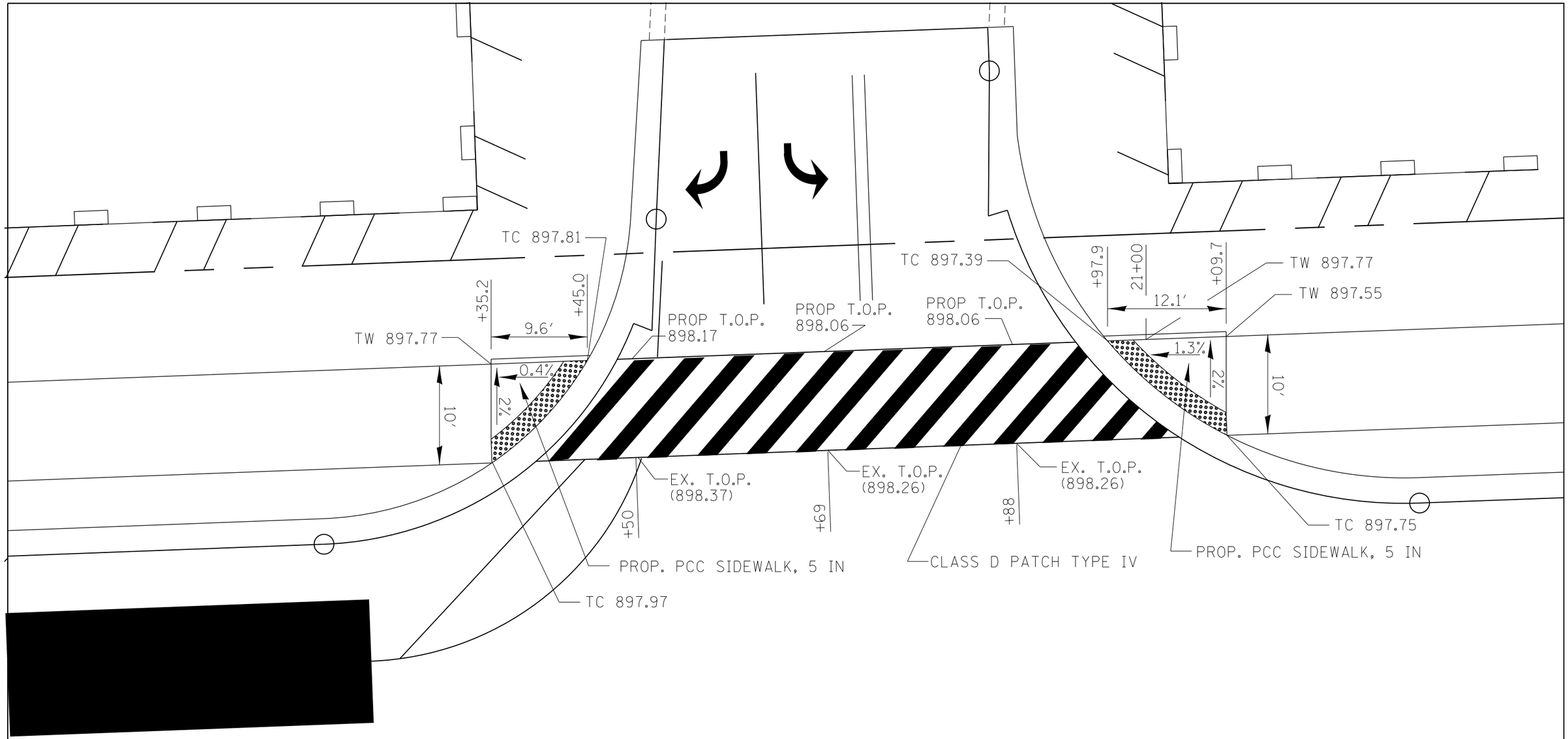
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL
IL RTE 68 AT DRIVEWAY (STA. 18+00)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	93
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			



DETECTABLE WARNING

TC PROPOSED TOP-OF-CURB ELEVATION

TW PROPOSED TOP-OF-WALK ELEVATION

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	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 8/13/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL
IL RTE 68 AT HILLSHIRE DR.

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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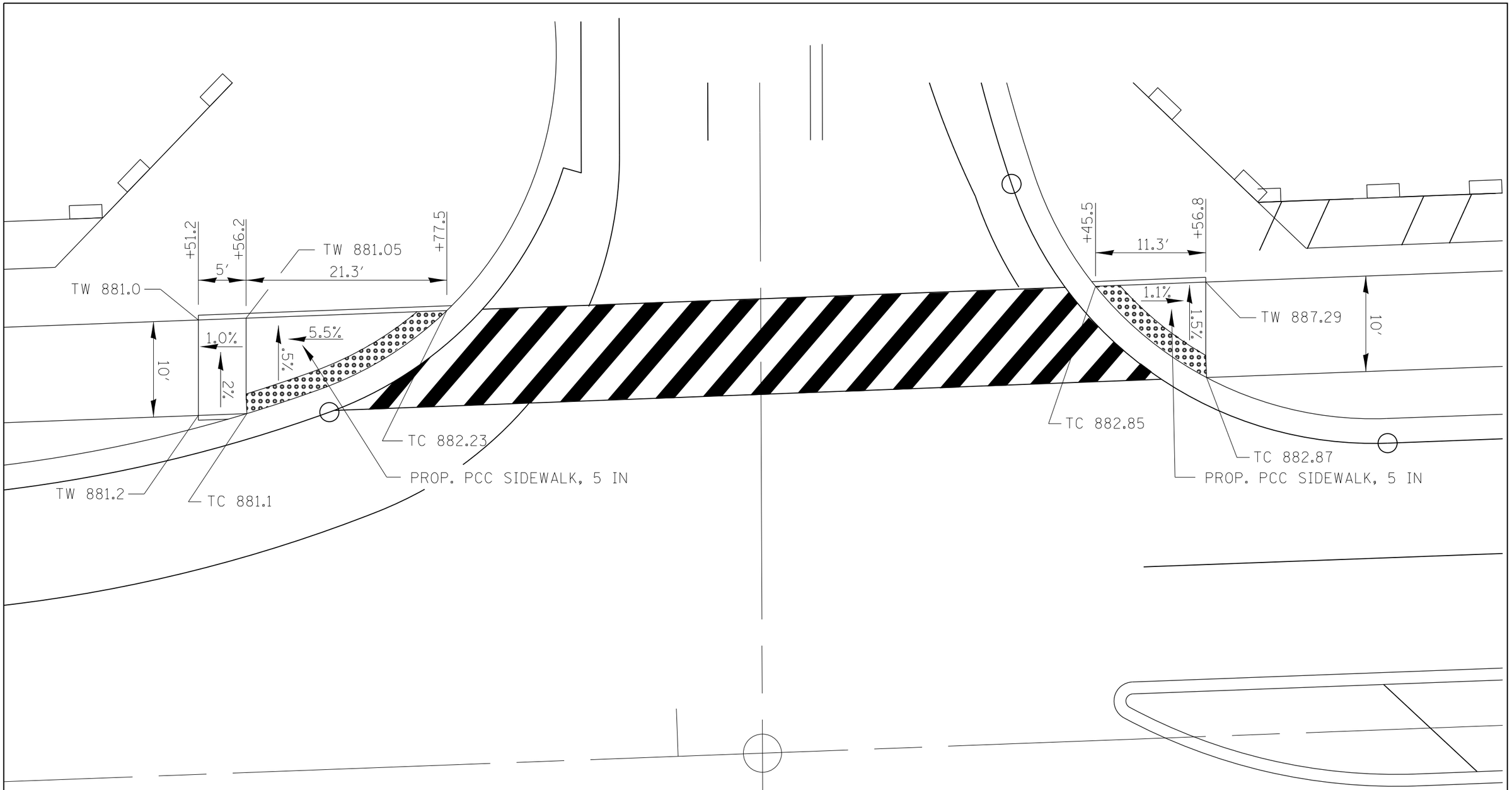
		CONTRACT NO.62A36		
	ILLINOIS	FED. AID PROJECT		



DETECTABLE WARNING

TC PROPOSED TOP-OF-CURB ELEVATION

TW PROPOSED TOP-OF-WALK ELEVATION

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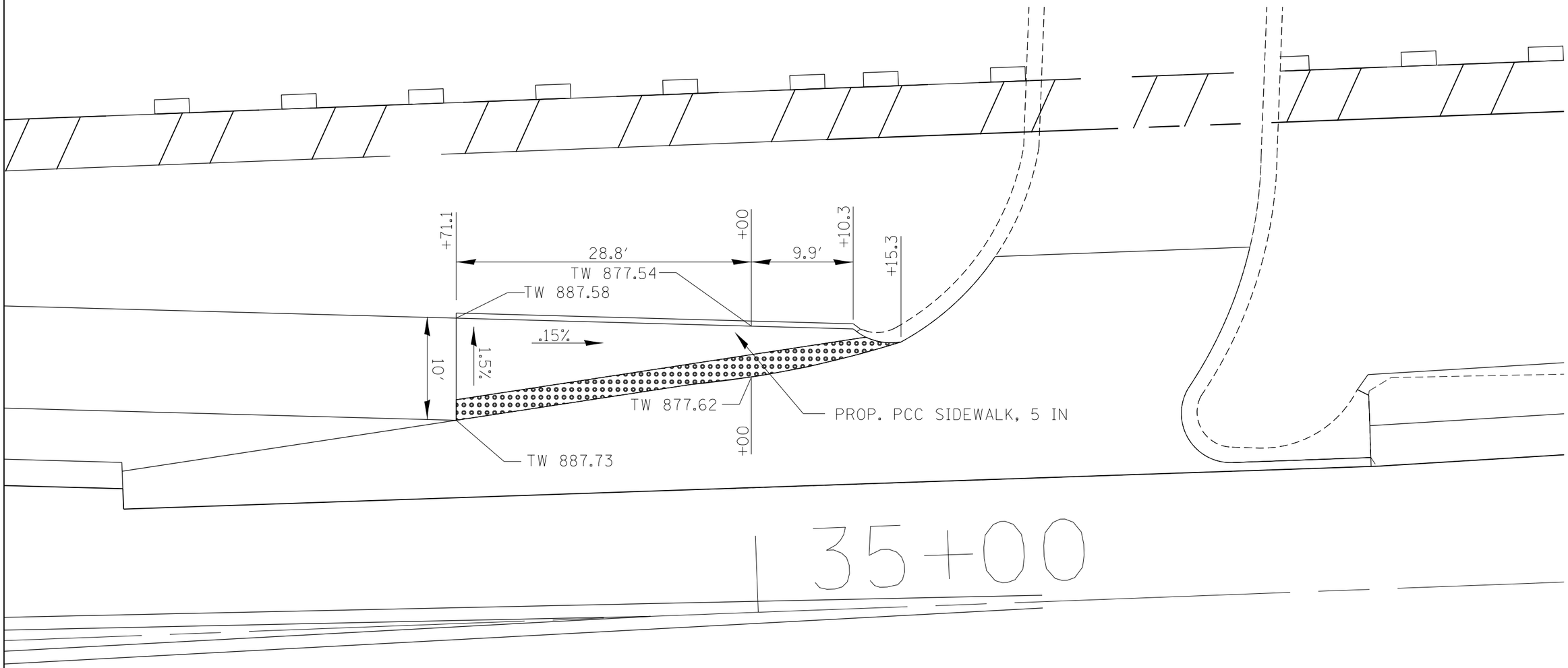
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL
IL RTE 68 AT GROVE AVE.

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	95
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		



DETECTABLE WARNING

TC PROPOSED TOP-OF-CURB ELEVATION

TW PROPOSED TOP-OF-WALK ELEVATION

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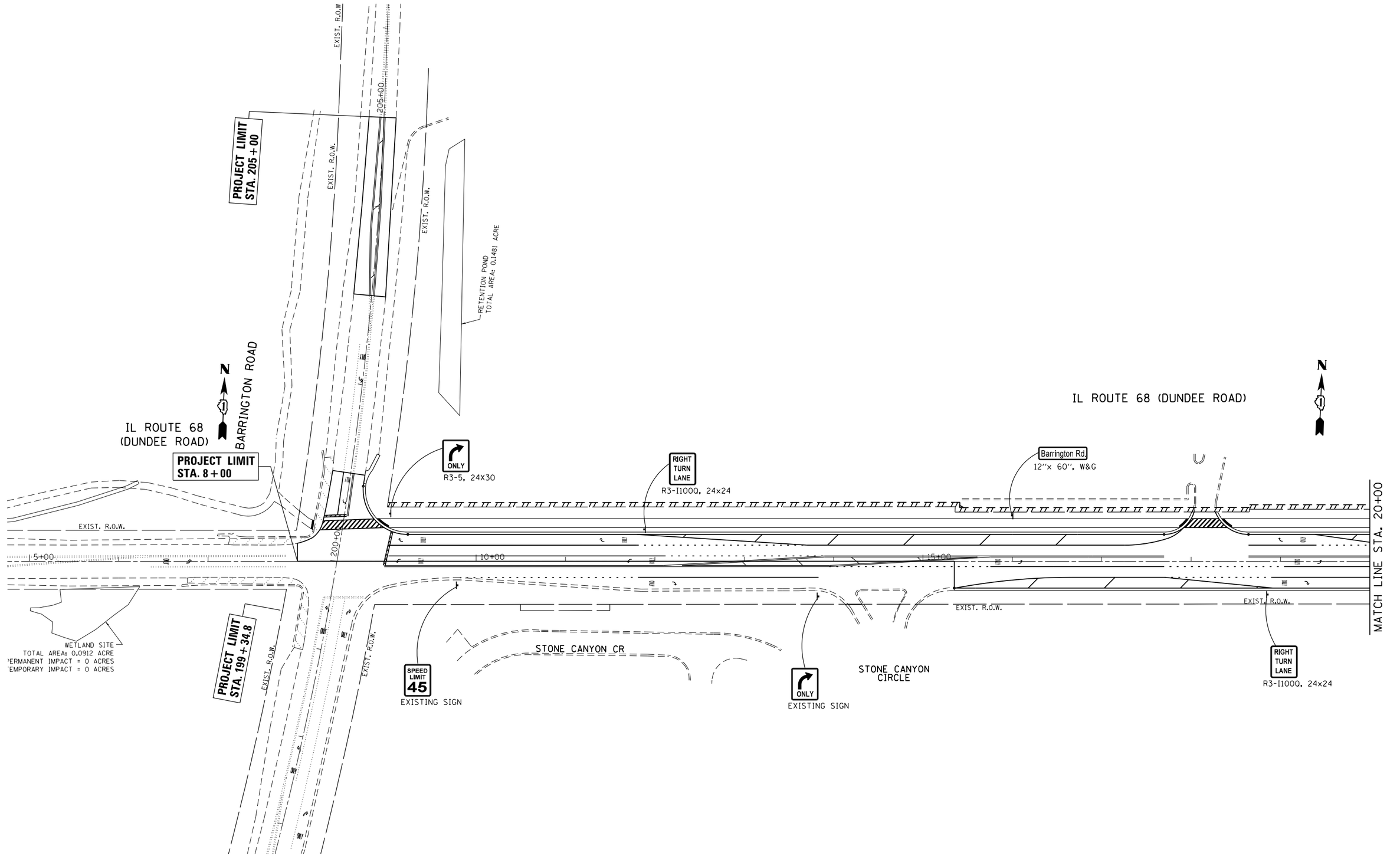
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL
IL RTE 68 AT DRIVEWAY (STA. 35+00)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	96
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		



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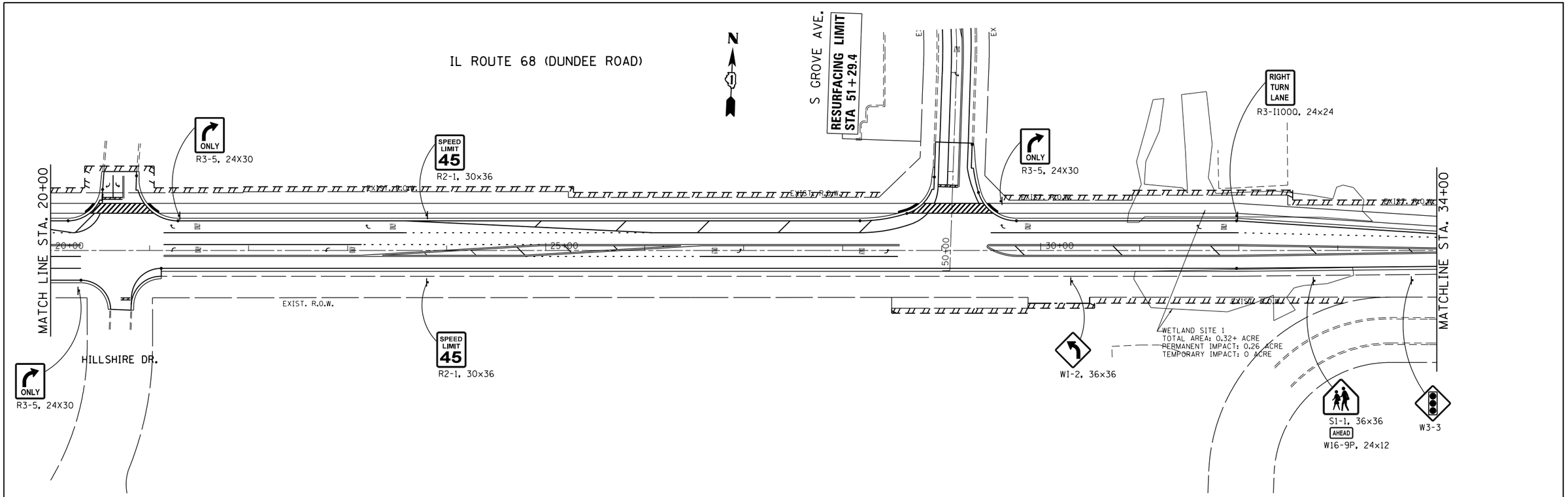
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

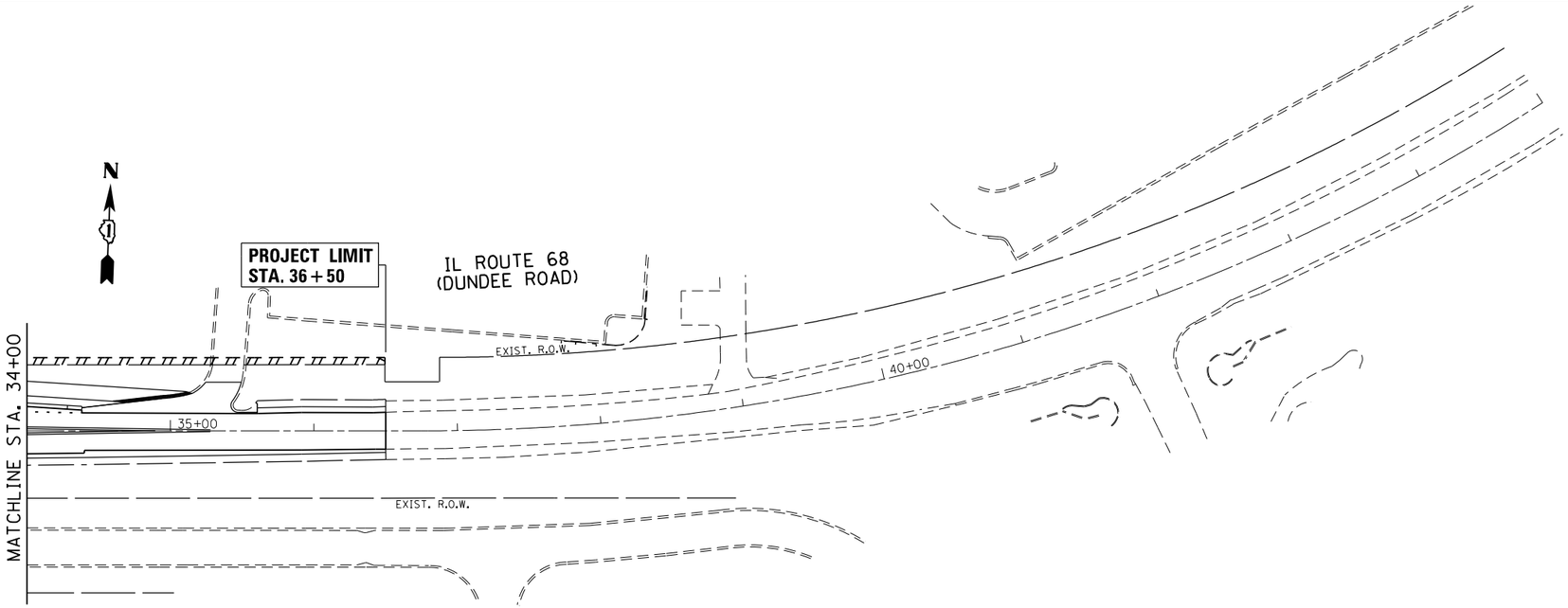
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
IL. ROUTE 68 AT GROVE AVE.

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	97
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		





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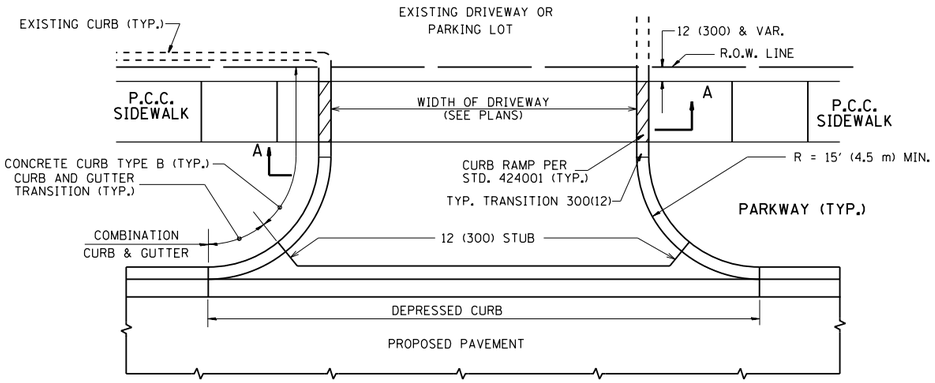
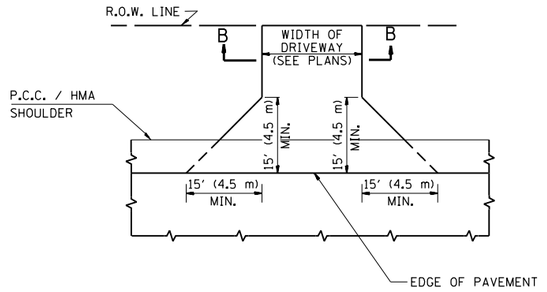
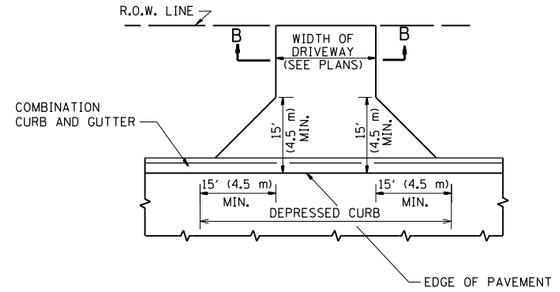
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		SCALE: 1"= 50' SHEET OF SHEETS STA. 20+00.00 TO STA. 45+00.00		343	3045N-2	COOK	120	98
	PLOT DATE = 12/14/2016	DATE -	REVISED -						CONTRACT NO. 62A36		
									ILLINOIS FED. AID PROJECT		



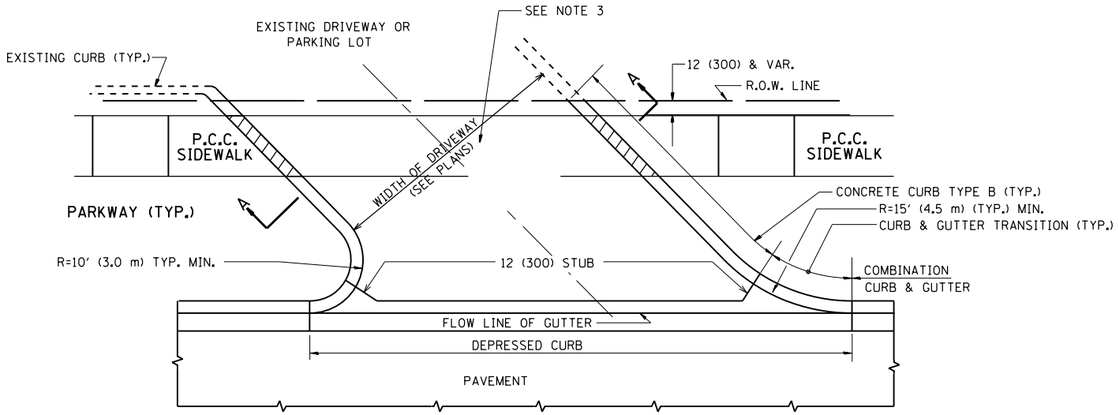
WITH CONCRETE CURB, TYPE B



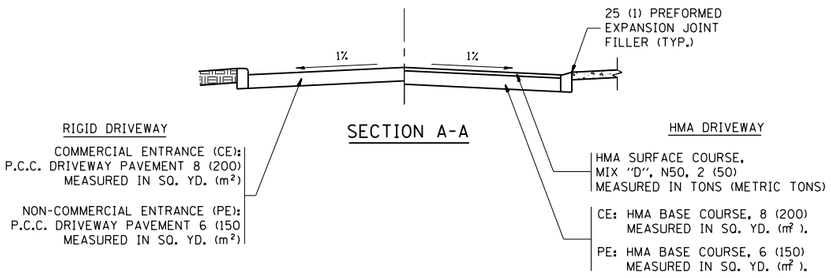
ADJACENT TO P.C.C. / HMA SHOULDER

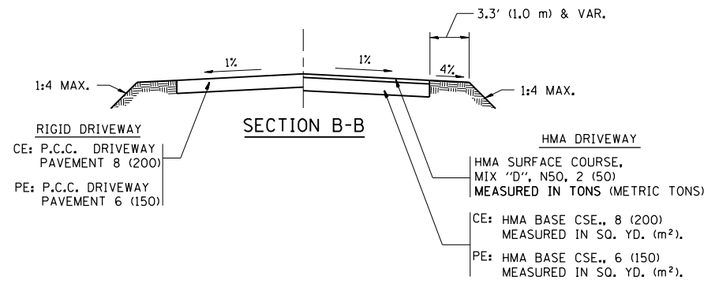


ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B





RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m^2).

GENERAL NOTES:

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

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

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

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

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

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

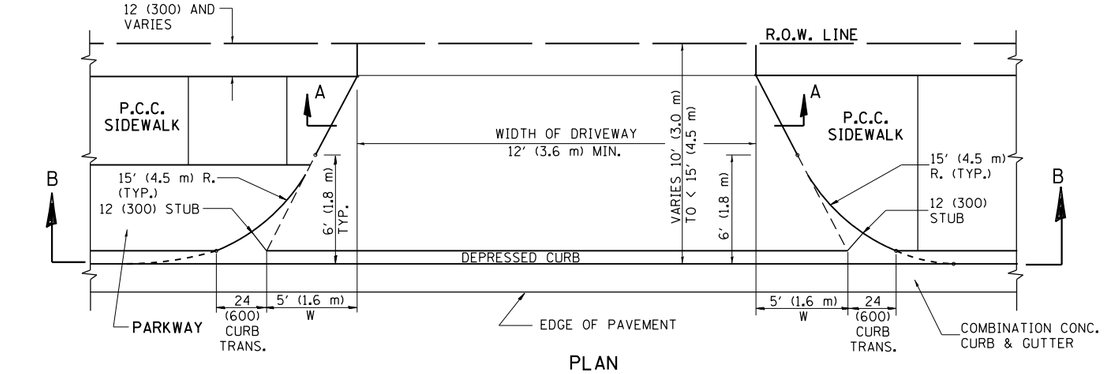
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148\Drawings\Data\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 12/14/2016	DATE - 11-04-95	REVISED - R. BORO 06-11-08
			REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

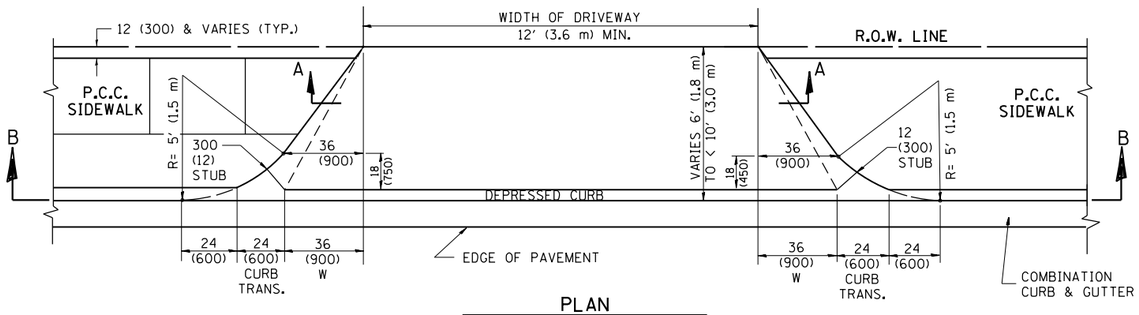
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	99
	BD0156-07 (BD-01)	CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



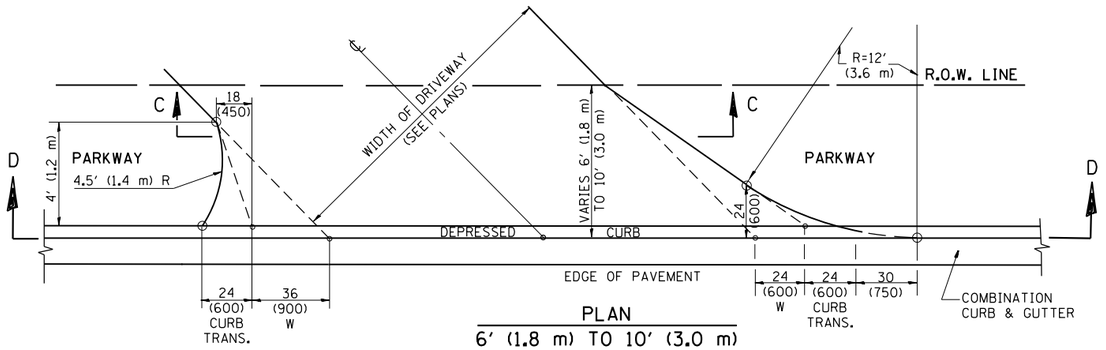
PLAN

10' (3.0 m) TO < 15' (4.5 m)



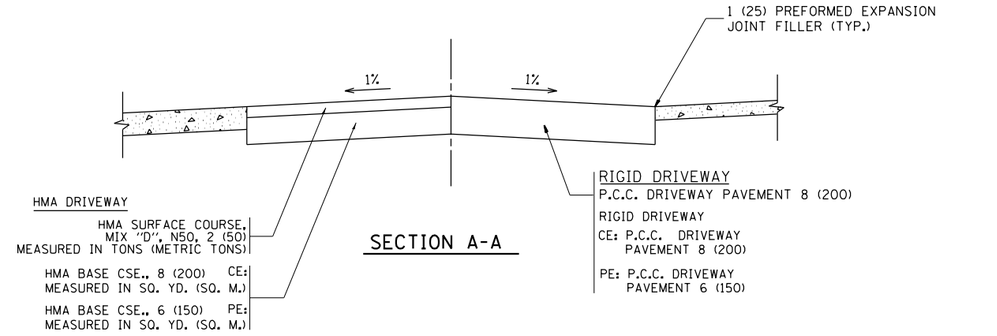
PLAN

6' (1.8 m) TO < 10' (3.0 m)

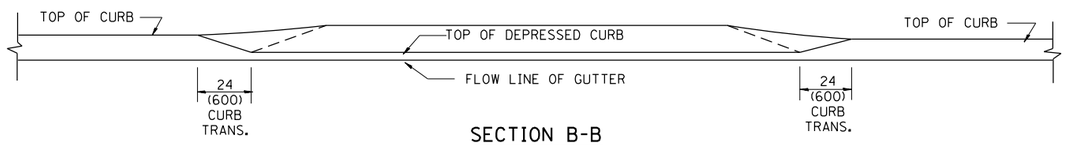


PLAN

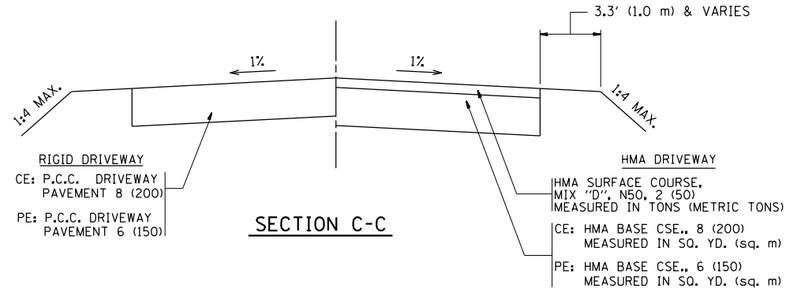
6' (1.8 m) TO 10' (3.0 m)



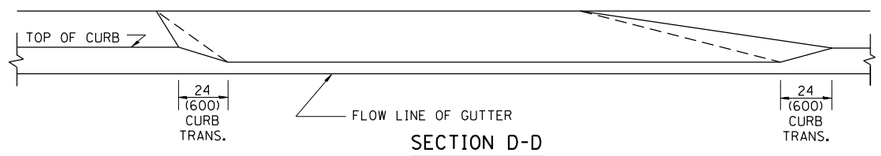
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

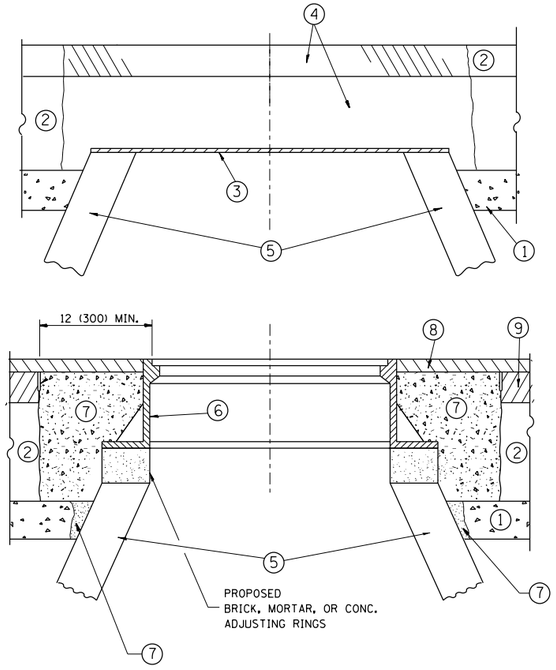
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148\DRAWINGS\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07			343	3045N-2	COOK	120	100
	PLOT DATE = 12/14/2016	DATE - 11-06-95	REVISED - R. BORO 01-01-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		BD400-02 (BD-02)		CONTRACT NO. 62A36	
						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

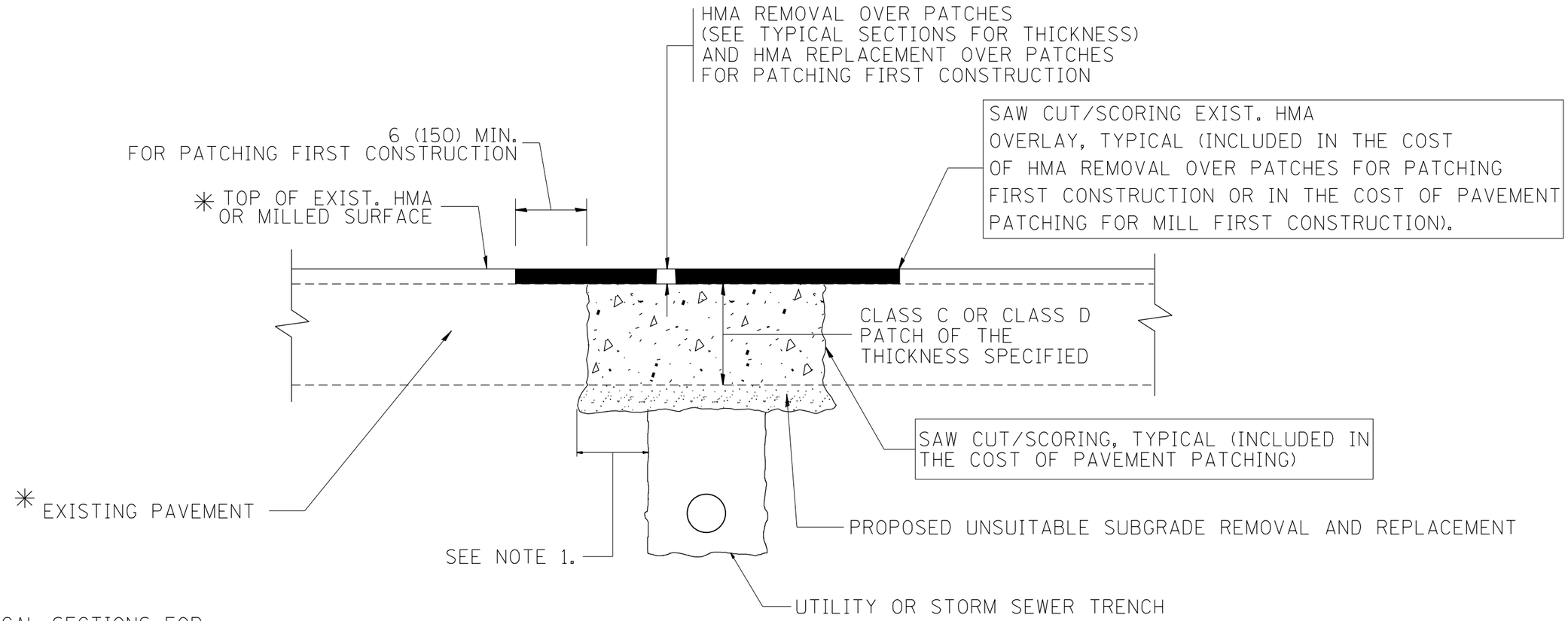
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148IDrawings\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/14/2016	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	101
	BD600-03 (BD-8)	CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



✳ SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

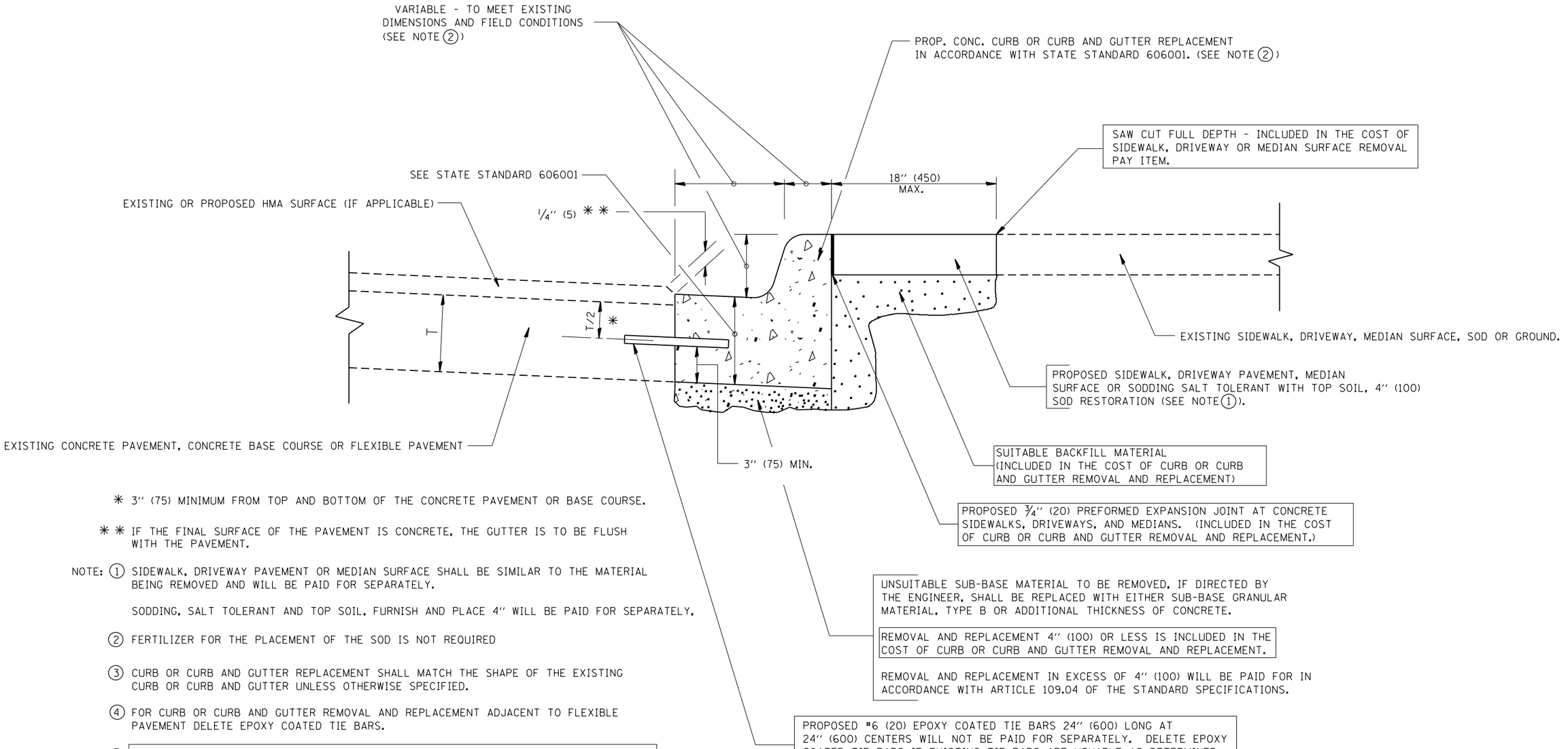
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1481DRAWN\Data\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT**
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07		
	PLOT DATE = 12/14/2016	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	102
	BD400-04 (BD-22)	**CONTRACT NO.** 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

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

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

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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

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

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

BASIS OF PAYMENT:

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

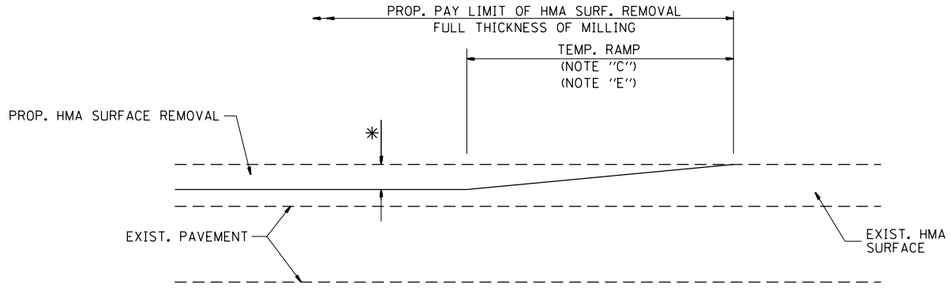
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1481D\Data\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/14/2016	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

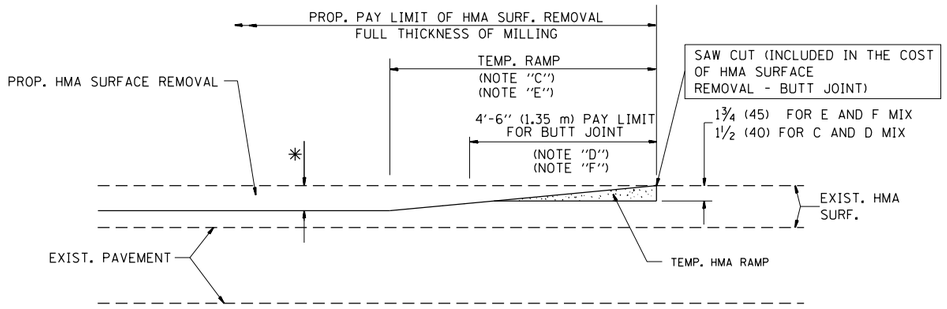
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	103
	BD600-06 (BD-24)	CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

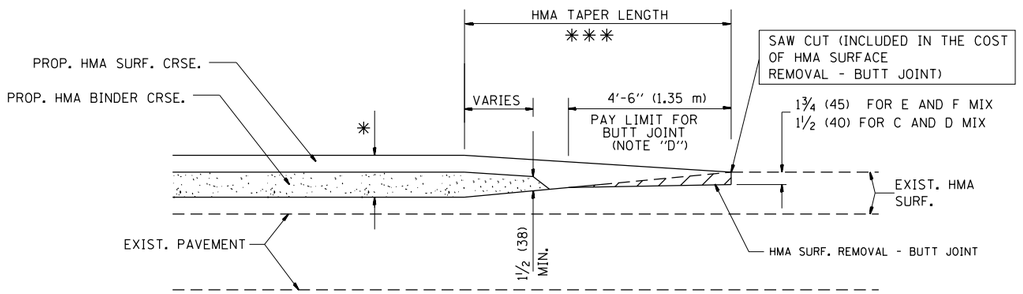


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

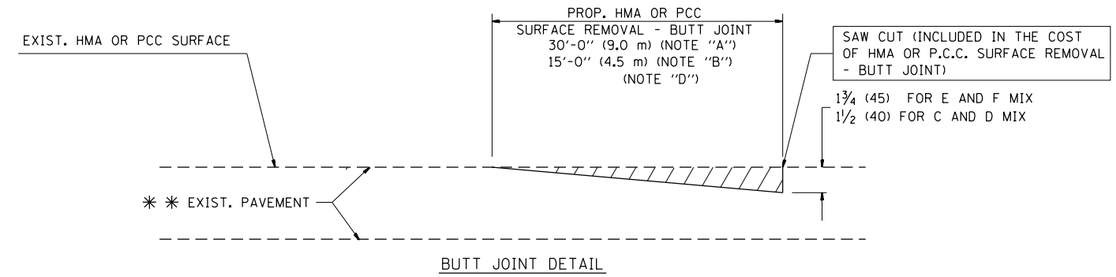
OPTION 2

TYPICAL TEMPORARY RAMP

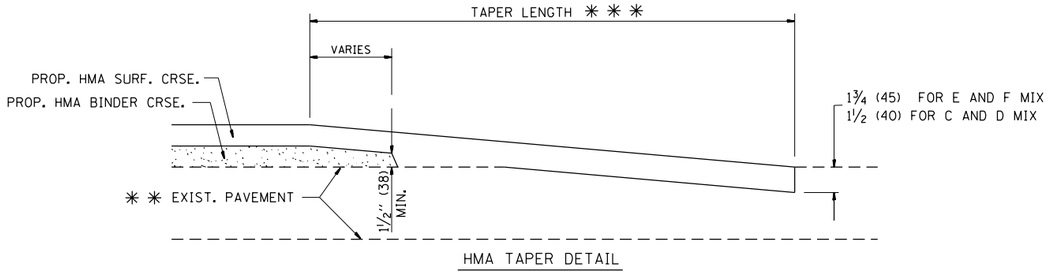


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

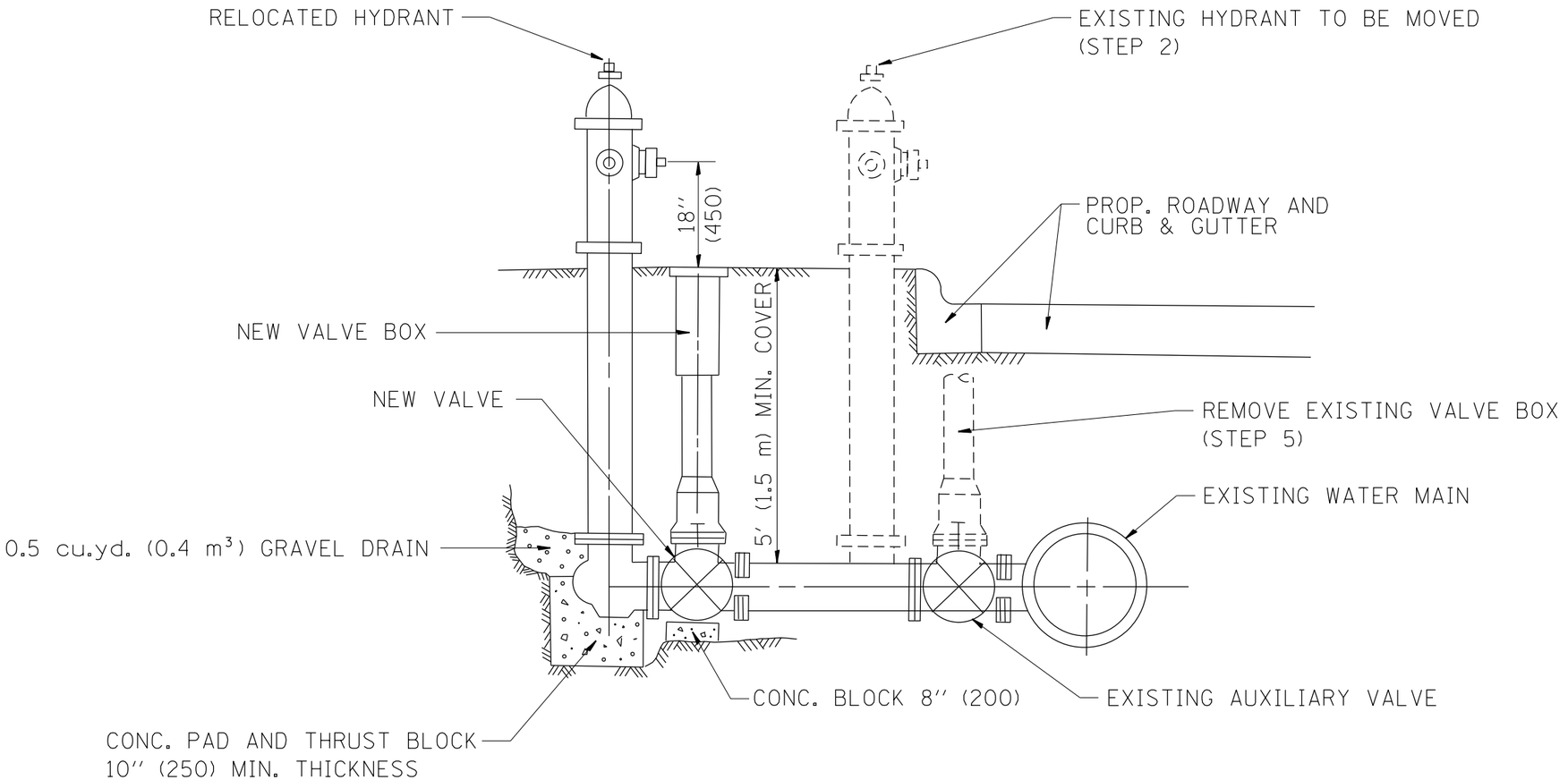
BASIS OF PAYMENT:

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

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148\Data\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS
	PLOT SCALE = 100.0000 '/ in.	DRAWN -	REVISED - A. ABBAS 03-21-97		
	PLOT DATE = 12/14/2016	CHECKED -	REVISED - M. GOMEZ 04-06-01		
		DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	104
	BD400-05 BD32	CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



SEQUENCE OF CONSTRUCTION:

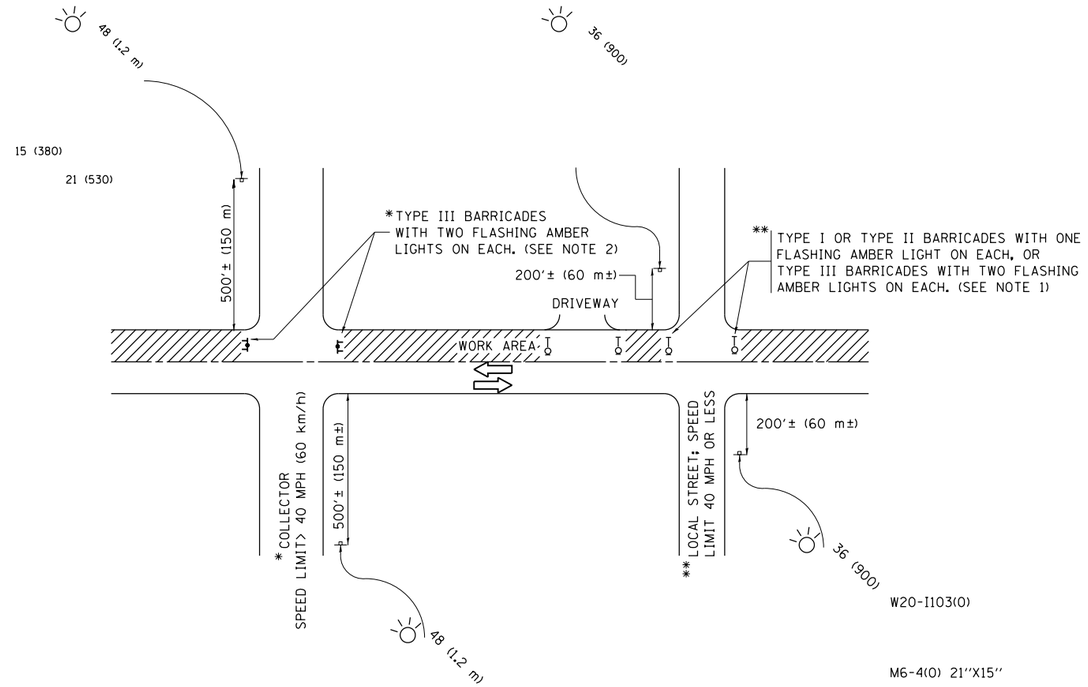
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

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

FIRE HYDRANT TO BE MOVED

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148\Data\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. SHAH 10-25-94					343	3045N-2	COOK	120	105
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -						BD-36		CONTRACT NO. 62A36	
	PLOT DATE = 12/14/2016	DATE -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

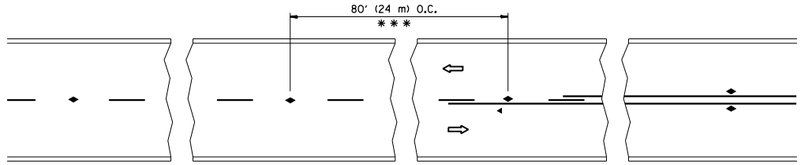
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148\Drawings\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
		DRAWN -	REVISED -T. RAMMACHER 01-06-00
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
Default	PLOT DATE = 12/14/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

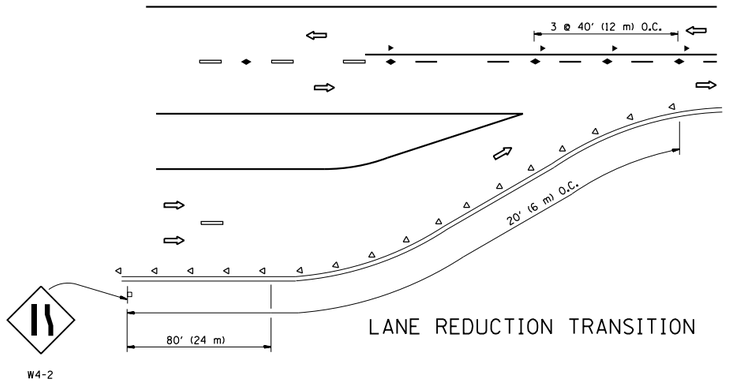
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	106
	TC-10	CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

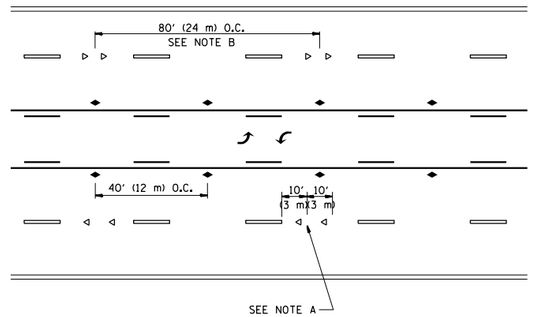


* * * REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

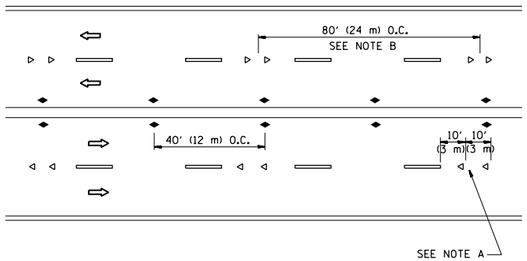
TWO-LANE/TWO-WAY



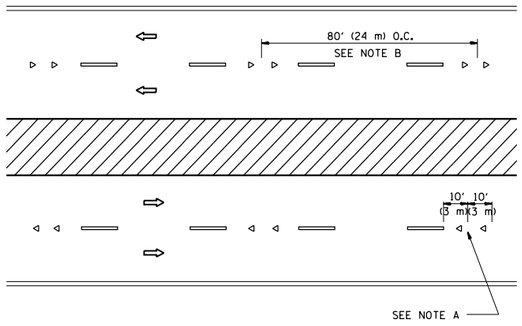
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

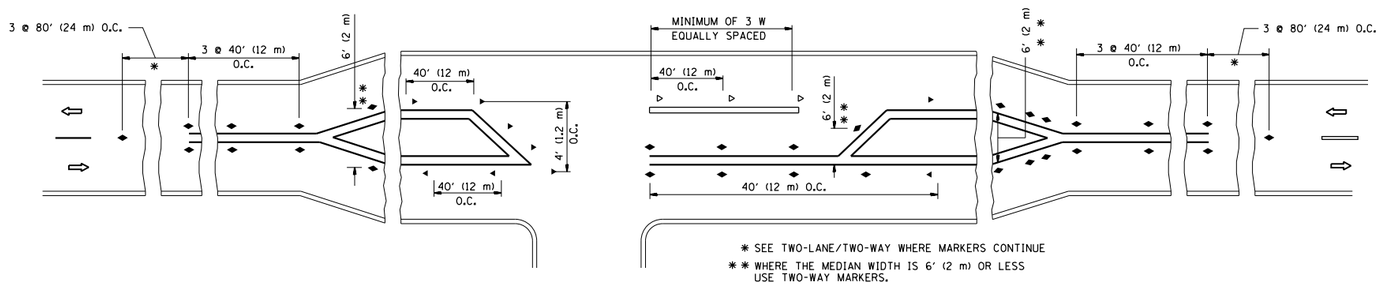
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



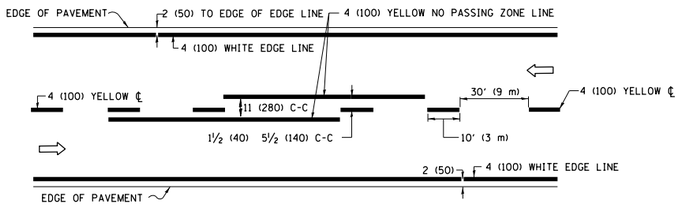
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

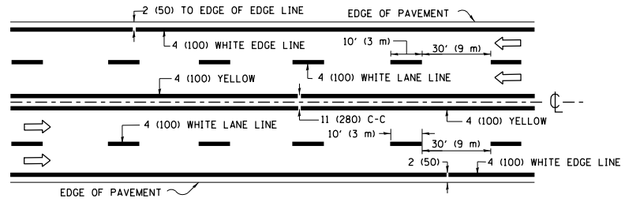
LEFT TURN

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

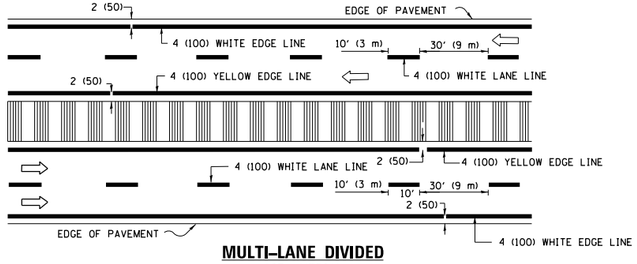
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1481\Drawings\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 03-12-99					343	3045N-2	COOK	120	107
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00						TC-11		CONTRACT NO. 62A36	
	PLOT DATE = 12/14/2016	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



2–LANE ROADWAY

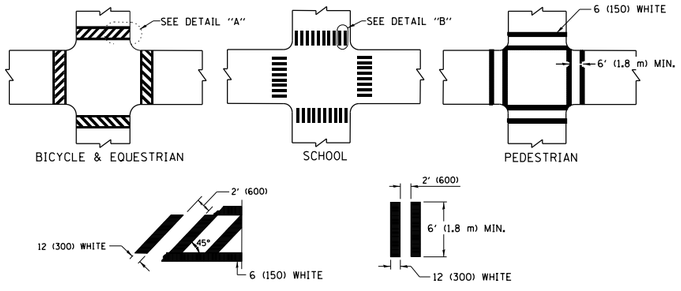


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

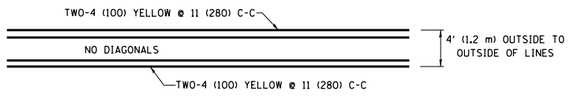
TYPICAL LANE AND EDGE LINE MARKING



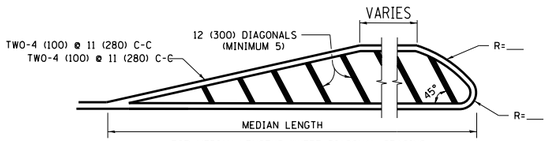
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



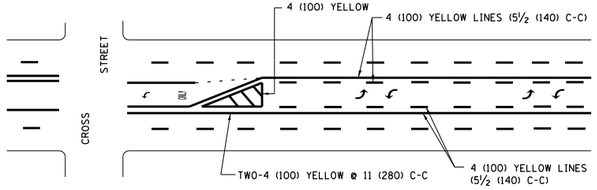
4' (1.2 m) WIDE MEDIANS ONLY



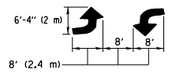
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

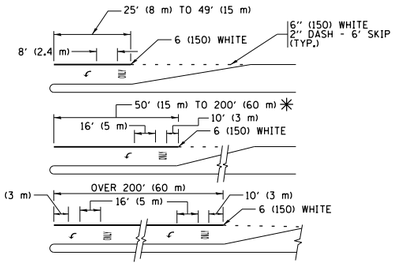


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

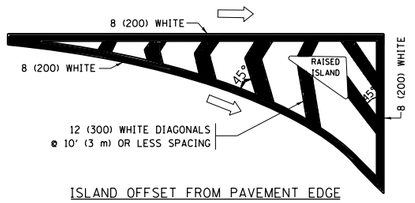


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

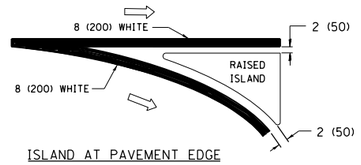
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

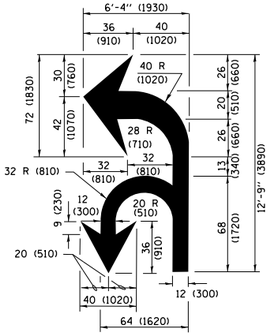


ISLAND OFFSET FROM PAVEMENT EDGE

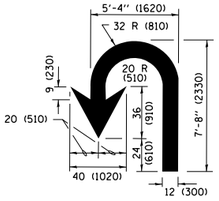


ISLAND AT PAVEMENT EDGE

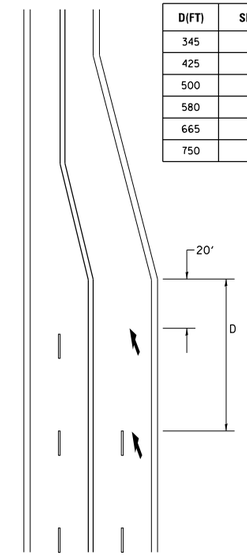
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⌀ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⌀ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⌀ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⌀ 6 (150) 12 (300) ⌀ 45° 12 (300) ⌀ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⌀ 4 (100) WITH 12 (300) DIAGONALS ⌀ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⌀ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ⌀ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

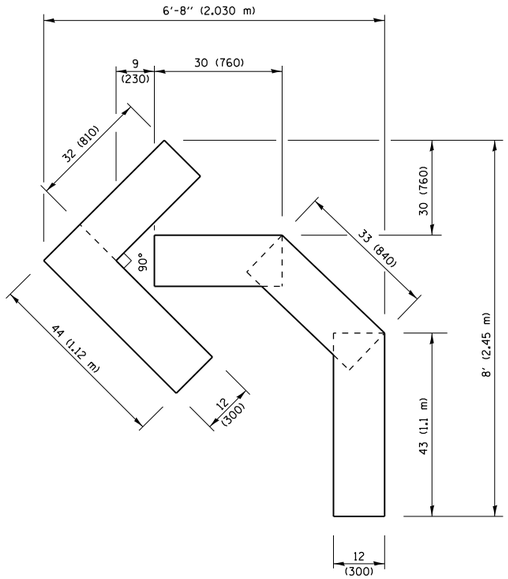
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1148\DrawingData\Design\DistStd.dgn Default	USER NAME = abebawa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
			REVISED - C. JUCIUS 07-01-13
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 12/14/2016	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

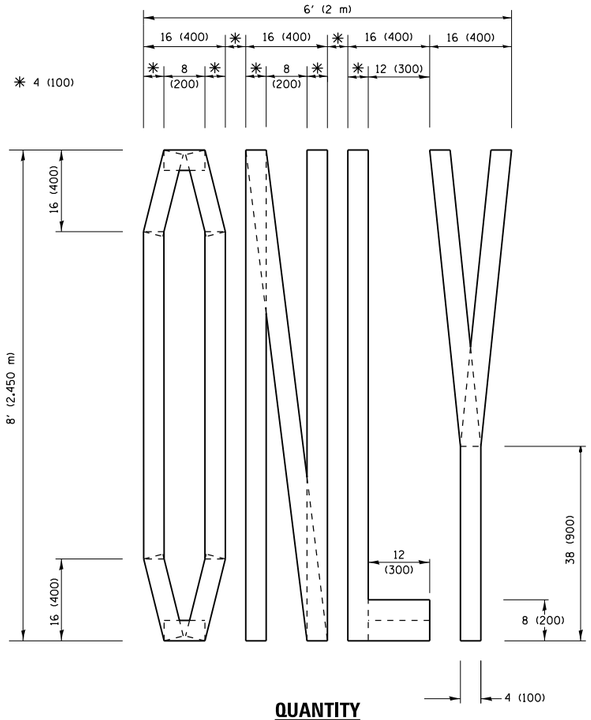
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	108
	TC–13	CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		



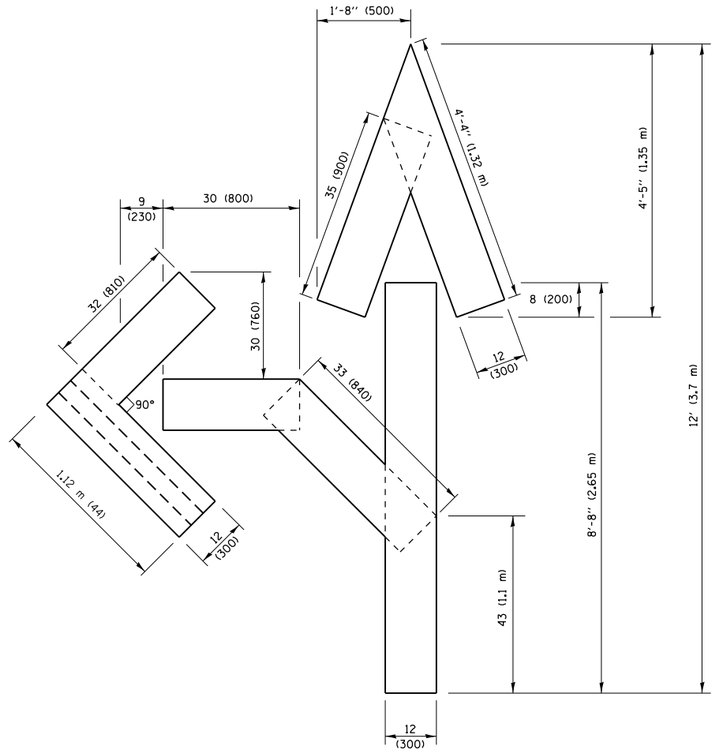
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

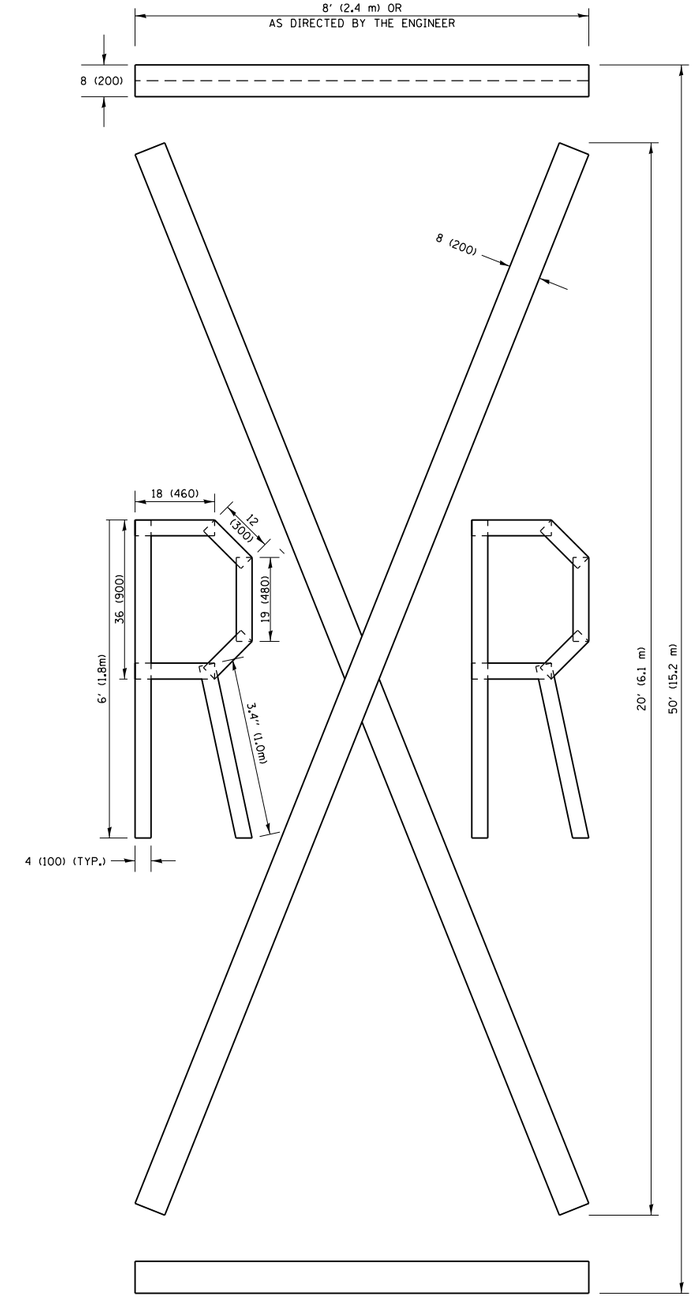


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

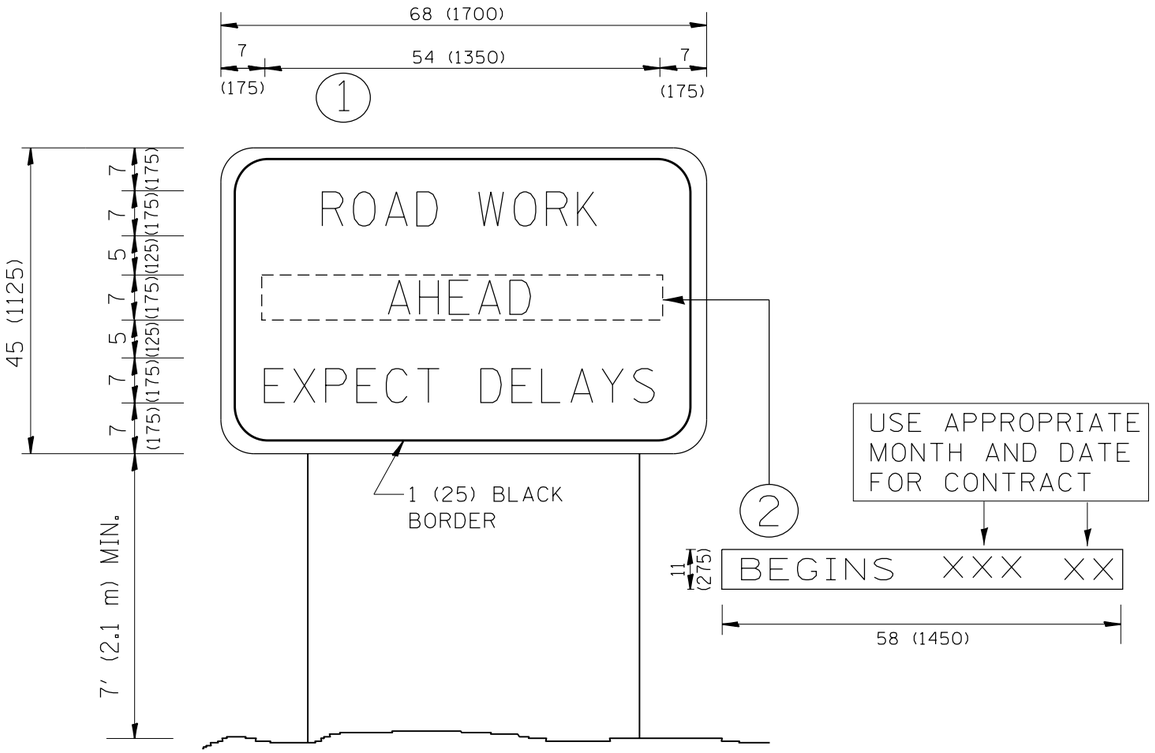
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1481DRAWN\Data\Design\DistStd.dgn	USER NAME = abebawa	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
		DRAWN -	REVISED -E. GOMEZ 08-28-00
	PLOT SCALE = 100.0010 ' / in.	CHECKED -	REVISED -E. GOMEZ 08-28-00
	PLOT DATE = 12/14/2016	DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	109
	TC-16	CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

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

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

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		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 12/14/2016	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	110
	TC-22	CONTRACT NO. 62A36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILE NAME = p:\IL684EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\D1I485\CAD\Drawings\DH485-sht-xsht-IL68.dgn

USER NAME = abebeko

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 12/14/2016

DESIGNED - DATE -

CHECKED - DATE -

REVISED - DATE -

REVISED - DATE -

REVISED - DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 68 (DUNDEE ROAD)

SCALE: 1

SHEET OF SHEETS STA. 7+00.00 TO STA. 9+00.00

F.A.P. RTE. 343

SECTION 3045N-2

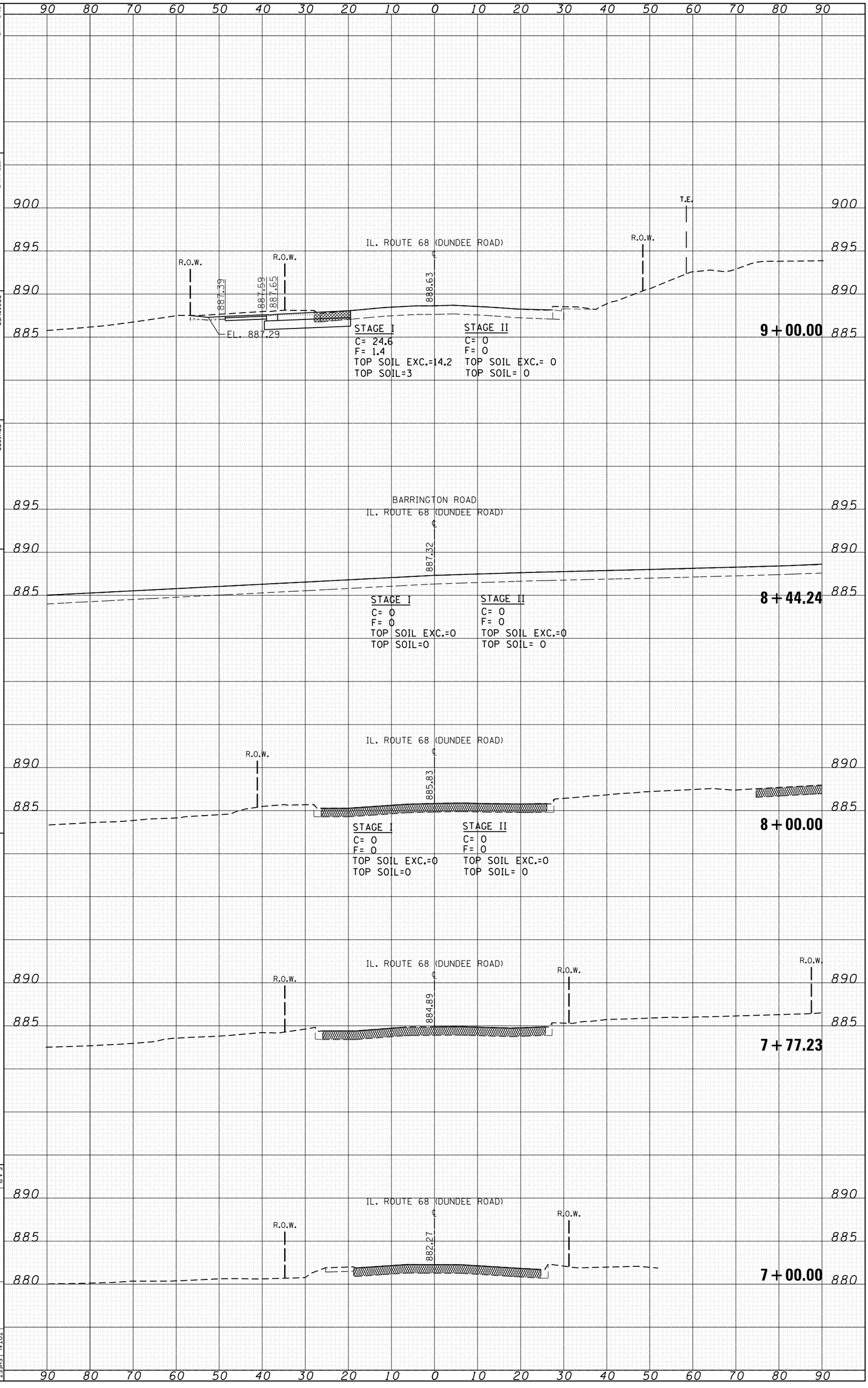
COUNTY COOK

TOTAL SHEETS 120

SHEET NO. 111

ILLINOIS FED. AID PROJECT

CONTRACT NO. 62A36



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -
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Default	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

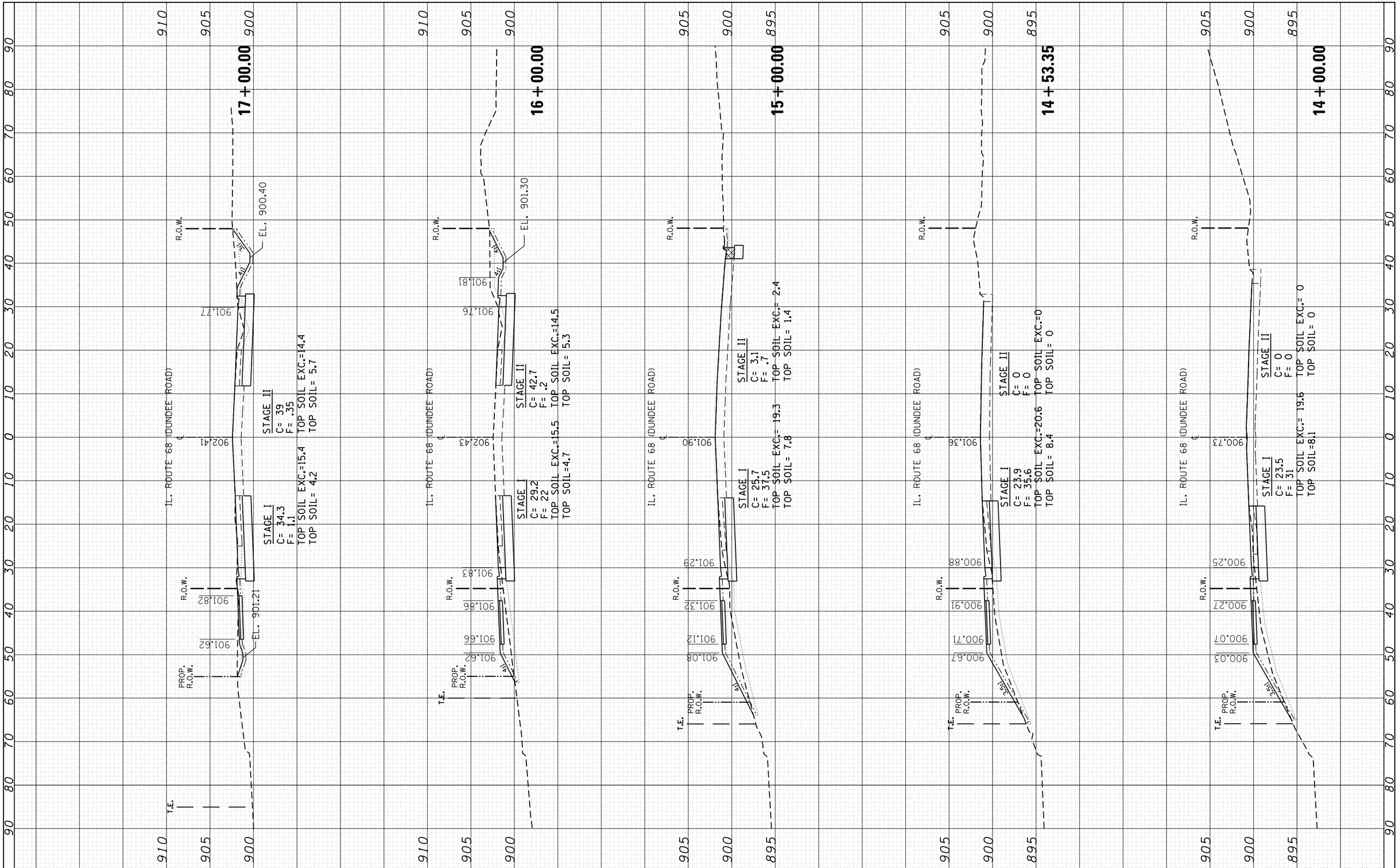
CROSS SECTIONS
IL. ROUTE 68 (DUNDEE ROAD)

SCALE: | SHEET OF SHEETS | STA. 10+00.00 TO STA. 13+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	112
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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Default	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 68 (DUNDEE ROAD)

SCALE: | SHEET OF SHEETS | STA. 14+00.00 | TO STA. 17+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	113
		CONTRACT NO. 62A36		
		ILLINOIS	FED. AID PROJECT	

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

Default

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USER NAME = abebaxa

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 8/13/2018

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 68 (DUNDEE ROAD)

SCALE:

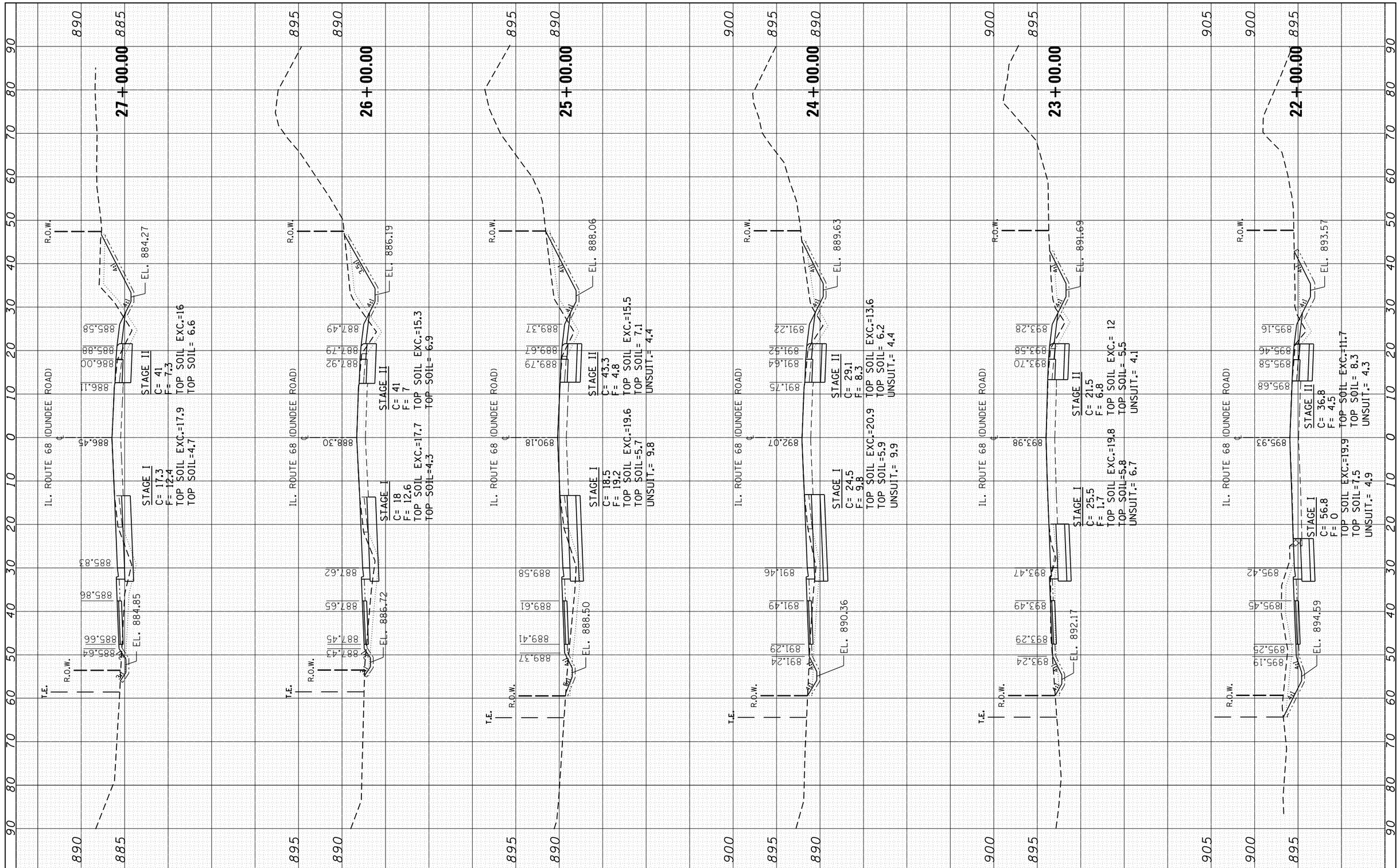
SHEET OF SHEETS STA. 17+28.90 TO STA. 21+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	114

ILLINOIS FED. AID PROJECT

CONTRACT NO. 62A36

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 68 (DUNDEE ROAD)

SCALE: | SHEET OF SHEETS | STA. 22+00.00 | TO STA. 27+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	115
		CONTRACT NO. 62A36		
		ILLINOIS FED. AID PROJECT		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

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USER NAME = abebawa

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 6/5/2017

Default

DESIGNED - DRAWN CHECKED - DATE -

REVISED - REVISED - REVISED - REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 68 (DUNDEE ROAD)

SCALE:

SHEET OF SHEETS STA. 28+00.00 TO STA. 32+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	116

ILLINOIS FED. AID PROJECT

CONTRACT NO. 62A36

32+00.00

IL. ROUTE 68 (DUNDEE ROAD) ℄

WETLAND T.E. R.O.W. 877.73 877.75 877.95 WETLAND 877.92 878.53 ℄ 878.09 WETLAND 877.97 877.67 WETLAND T.E. R.O.W.

4:1 4:1 4:1

EL. 876.84 SEE NOTE A EL. 872.97

STAGE I
C= 13.5
F= 56
TOP SOIL EXC.=22
TOP SOIL=6.2
UNSUIT.= 89.5

STAGE II
C= 13.9
F= 40.3
TOP SOIL EXC.=13.5
TOP SOIL= 6.4

31+00.00

IL. ROUTE 68 (DUNDEE ROAD) ℄

T.E. R.O.W. 878.60 878.64 878.84 878.90 878.81 WETLAND 879.46 879.05 878.93 WETLAND 878.64 WETLAND T.E. R.O.W. T.E.

4:1 4:1

EL. 877.00 INV.874.08 SEE NOTE A EL. 874.35

INV.873.50 INV.874.00 SEE NOTE A

STAGE I
C= 8.3
F= 52.1
TOP SOIL EXC.=18.8
TOP SOIL=3.6
UNSUIT.= 100.3

STAGE II
C= 13.5
F= 25.5
TOP SOIL EXC.=14.3
TOP SOIL= 7

30+00.00

IL. ROUTE 68 (DUNDEE ROAD) ℄

T.E. R.O.W. 880.01 880.21 880.18 880.93 880.59 880.46 880.16 R.O.W. PROP. R.O.W. T.E.

2.5:1 4:1 3:1

EL. 879.89 EL. 877.24

STAGE I
C= 67.5
F= 0
TOP SOIL EXC.=16.4
TOP SOIL=4.8

STAGE II
C= 68
F= 9.5
TOP SOIL EXC.=18.5
TOP SOIL= 9

29+00.00

IL. ROUTE 68 (DUNDEE ROAD) ℄

T.E. R.O.W. 882.64 882.39 882.29 882.17 881.87 R.O.W. R.O.W. T.E.

4:1 4:1 4:1

EL. 880.56

STAGE I
C= 0
F= 0
TOP SOIL EXC.=0
TOP SOIL=0

STAGE II
C= 81.0
F= 6
TOP SOIL EXC.=21.8
TOP SOIL= 10.9

28+00.00

IL. ROUTE 68 (DUNDEE ROAD) ℄

T.E. R.O.W. 883.68 883.88 883.85 884.53 884.16 884.04 883.74 R.O.W.

7:1 4:1 3.5:1

INV. 880.57 INV. 800.42 INV. 877.57 INV. 800.46 INV. 800.42 EL. 882.43

STAGE I
C= 8.5
F= 19.5
TOP SOIL EXC.=20.8
TOP SOIL=2.2

STAGE II
C= 50.4
F= 7.1
TOP SOIL EXC.=17.1
TOP SOIL= 7.3

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

885 880 875 890 895

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

36 + 00.00

R.O.W.

IL. ROUTE 68 (DUNDEE ROAD) ℄

877.95 877.26 876.96

STAGE I
C= 4.3
F= 14.4
TOP SOIL EXC.=14.6
TOP SOIL=8.7

EL. 870.72 (EXIST.)

PROP. R.O.W.

T.E.

877.43 877.72 877.81

STAGE II
C= 4
F= 6.8
TOP SOIL EXC.=17.9
TOP SOIL=10.6

EL. 869.55 (EXIST.)

35 + 38.31

R.O.W.

IL. ROUTE 68 (DUNDEE ROAD) ℄

878.09

STAGE I
C= 0
F= 0
TOP SOIL EXC.=0
TOP SOIL=0

PROP. R.O.W.

T.E.

877.44 877.74

STAGE II
C= 4.3
F= 8.1
TOP SOIL EXC.=12.9
TOP SOIL=9.8

EL. 870.99

35 + 00.00

R.O.W.

IL. ROUTE 68 (DUNDEE ROAD) ℄

878.18 877.62 877.54

STAGE I
C= 0
F= 5.6
TOP SOIL EXC.=0
TOP SOIL=6.9

EL. 874.99 (EXIST.)

R.O.W.

T.E.

877.45 877.75

STAGE II
C= 5.3
F= 13
TOP SOIL EXC.=12.8
TOP SOIL=7.7

EL. 874.01

EL. 871.00

34 + 00.00

R.O.W.

IL. ROUTE 68 (DUNDEE ROAD) ℄

878.29 877.67 878.01 877.81 877.73

STAGE I
C= 41.8
F= 10.1
TOP SOIL EXC.=17.1
TOP SOIL=8.2

EL. 877.09

R.O.W.

T.E.

877.58 878.00 877.88

STAGE II
C= 40.7
F= 2.5
TOP SOIL EXC.=13.7
TOP SOIL= 6.3

EL. 876.15

EL. 871.68

33 + 00.00

T.E.

R.O.W.

IL. ROUTE 68 (DUNDEE ROAD) ℄

878.29 877.84 877.87 877.67

STAGE I
C= 19.5
F= 24
TOP SOIL EXC.=15.1
TOP SOIL=4.9

R.O.W.

T.E.

WETLAND

877.43 877.73 877.85

STAGE II
C= 54.1
F= 8.6
TOP SOIL EXC.=17.5
TOP SOIL= 11.1

EL. 872.60

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DI14815\CADD\Design\DH4815-sht-xssht-IL68.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/14/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL. ROUTE 68 (DUNDEE ROAD)

SCALE: | SHEET OF SHEETS | STA. 33+00.00 | TO STA. 36+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	117
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILE NAME = p:\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\D1484BS\CAD\Design\D1484BS-sht-xsht-Barrington.dgn

USER NAME = abebeko

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 12/15/2016

Default

DESIGNED - | CHECKED - | DATE -

REVISED - | REVISED - | REVISED -

REVISED - | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BARRINGTON ROAD

SCALE:1

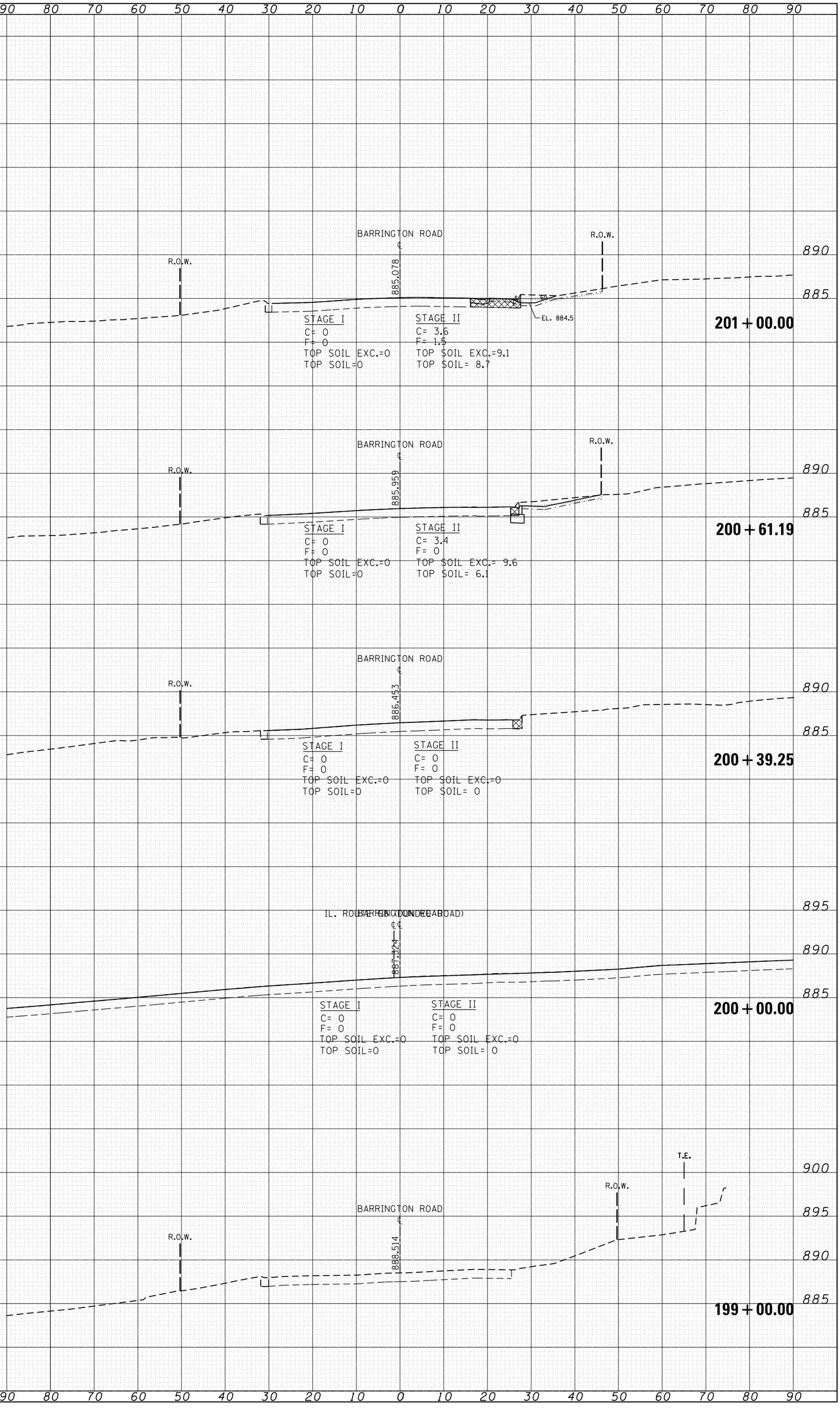
SHEET OF SHEETS STA. 199+00.00 TO STA.201+00.00

F.A.P. RTE. 343 | SECTION 3045N-2 | COUNTY COOK | TOTAL SHEETS 120 | SHEET NO. 118

ILLINOIS FED. AID PROJECT

CONTRACT NO. 62A36

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

206+57.15

874.982

206+00.00

875.431

205+00.00

876.444

204+00.00

878.032

EL. 876.9

STAGE II
C= 0
F= 4.5
TOP SOIL EXC.= 10.5
TOP SOIL= 6

STAGE I
C= 0
F= 0
TOP SOIL EXC.=0
TOP SOIL=0

203+00.00

880.081

879.74

EL. 879.0

STAGE II
C= 4.1
F= 2.4
TOP SOIL EXC.= 10.8
TOP SOIL= 6.9

STAGE I
C= 0
F= 0
TOP SOIL EXC.=0
TOP SOIL=0

202+00.00

882.625

PROP. 15" FES

RIP-RAP

STAGE II
C= 16.5
F= 1.0
TOP SOIL EXC.= 10.5
TOP SOIL= 7

STAGE I
C= 0
F= 0
TOP SOIL EXC.=0
TOP SOIL=0

BARRINGTON ROAD ℄

R.O.W.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DI14815\CADD\Design\DH4815-sht-xssht-Barrington.dgn	USER NAME = abebawa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BARRINGTON ROAD

SCALE: | SHEET OF SHEETS | STA. 202+00.00 TO STA. 206+57.15

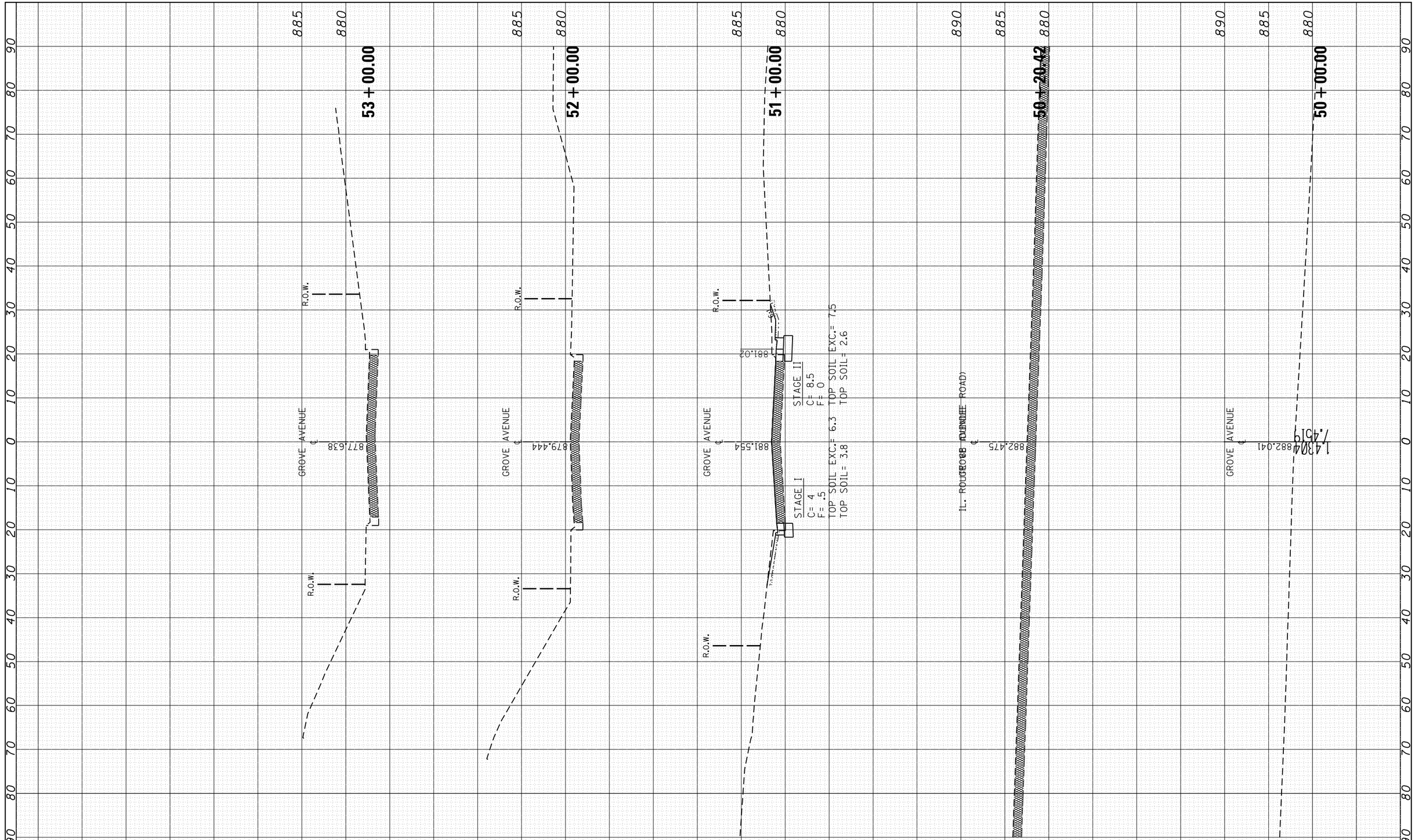
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	119
		CONTRACT NO. 62A36		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



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	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/15/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GROVE AVENUE

SCALE: | SHEET OF SHEETS | STA. 50+00.00 | TO STA. 53+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3045N-2	COOK	120	120
		CONTRACT NO. 62A36		
	ILLINOIS	FED. AID PROJECT		