

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	1
		ILLINOIS	CONTRACT NO. 60V98	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGE OF BUFFALO GROVE

TRAFFIC DATA:

IL 68 (DUNDEE ROAD)

EAST LEG 2013 ADT = 27,600
WEST LEG 2013 ADT = 33,400
POSTED SPEED = 35 MPH

BUFFALO GROVE ROAD:

NORTH LEG 2010 ADT = 20,300
POSTED SPEED = 40 MPH

SOUTH LEG 2010 ADT = 14,600
POSTED SPEED = 35 MPH

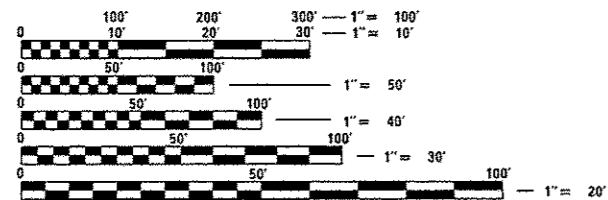
PROPOSED
HIGHWAY PLANS

FAP RTE. 343 (ILL RTE. 68 – DUNDEE ROAD)
AT BUFFALO GROVE ROAD
SECTION: 3041N-2 (12)
PROJECT: ACCM-0343(040)
INTERSECTION IMPROVEMENT
COOK COUNTY

C-91-134-13

IL RTE 68 – DUNDEE RD
PROJECT BEGINS
STA 48+50

BUFFALO GROVE ROAD
PROJECT ENDS
STA 45+55



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

BUFFALO GROVE ROAD
PROJECT BEGINS
STA 39+07



N
LOCATION MAP
(NOT TO SCALE)

IL RTE 68 – DUNDEE RD
PROJECT ENDS
STA 53+70

GROSS AND NET LENGTH = 520 FT = 0.098 MILES

PROJECT ENGINEER: KARI SMITH (847) 705-4437
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 60V98

D-91-134-13



LOCATION OF SECTION INDICATED THUS: - [black rectangle]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 13 2016
John Fortman
REGIONAL ENGINEER

Aug 12 2016
Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Aug 12 2016
Amelle A. [Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET	000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
2-3	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	280001-07	TEMPORARY EROSION CONTROL SYSTEMS
4-10	SUMMARY OF QUANTITIES	420001-08	PAVEMENT JOINTS
11-13	TYPICAL SECTIONS	420106-05	36" (10.8 M) JOINTED PCC PAVEMENT
14-15	SCHEDULE OF QUANTITIES	420111-03	PCC PAVEMENT ROUNDOUTS
16-18	ALIGNMENT, TIES AND BENCHMARKS	424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
19-20	ROADWAY PLAN	424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
21-22	ROADWAY PROFILE	424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
23-24	TEMPORARY TRAFFIC CONTROL PLAN	442101-07	CLASS B PATCHES
25-26	EROSION AND SEDIMENT CONTROL PLAN	442201-03	CLASS C AND D PATCHES
27-31	EXISTING DRAINAGE PLAN	601001-05	PIPE UNDERDRAINS
32-33	PROPOSED DRAINAGE AND UTILITIES PLAN	602001-02	CATCH BASIN, TYPE A
34	DRAINAGE STRUCTURES AND PIPES SCHEDULE	602011-02	CATCH BASIN, TYPE C
35-38	JUNCTION CHAMBER #1 - PLANS AND DETAILS	602301-04	INLET, TYPE A
39-40	DRAINAGE PROFILES	602401-03	MANHOLE, TYPE A
41-43	STORM SEWER PROFILES	602701-02	MANHOLE STEPS
44-47	PLAT OF HIGHWAY	604001-04	FRAME AND LIDS, TYPE 1
48-50	INTERSECTION DETAILS - GRADING PLAN, CURB RAMPS, ENTRANCE CROSSINGS	604006-05	FRAME AND GRATE, TYPE 3
51	PAVEMENT MARKING AND SIGNING PLAN	604091-03	FRAME AND GRATE, TYPE 24
52-53	LANDSCAPING PLAN	606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
54-73	TRAFFIC SIGNAL PLAN, INCLUDING DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)	701101-05	OFF-RO OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
74-82	LIGHTING PLAN	701427-04	LANE CLOSURE, MULTILANE, INTERMITTENT DR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
83	BD-01: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB OR EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5 M)	701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
84	BD-02: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15' (4.5 M)	701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
85	BD-07: DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
86	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
87	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	701901-05	TRAFFIC CONTROL DEVICES
88	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	720001-01	SIGN PANEL MOUNTING DETAIL
89	BD-32: BUTT JOINT AND HMA TAPER DETAILS	720006-04	SIGN PANEL ERECTION DETAILS
90	BD-33: HMA TAPER AT EDGE OF P.C.C. PAVEMENT	728001-01	TELESCOPING STEEL SIGN SUPPORT
91	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS	731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
92	TC-11: TYPICAL APPLICATIONS; RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
93	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS	814001-03	HANDHOLES
94	TC-16: PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING	814006-02	DOUBLE HANDHOLES
95	TC-22: ARTERIAL ROAD INFORMATION SIGN	857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
96	TC-26: DRIVEWAY ENTRANCE SIGNING	862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
97-99	CROSS SECTIONS - IL 68	873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
100-102	CROSS SECTIONS - BUFFALO GROVE ROAD	877001-06	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
		877002-03	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'

SEE SHEET 3 FOR CONTINUATION

SEE SHEET 3 FOR CONTINUATION

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pm\ill\B4CB\INTEG\Illinois.gov\PI001-00	Yelishkov	ORANGE	REVISED			343	304IN-2 (12)	COOK	102	2	
		CHECKED :	REVISED :			CONTRACT NO. 60V98					
Default		DATE :	REVISED :			ILLINOIS FED. AID PROJECT					

STATE STANDARDS (CONTINUED)

STANDARD NO.	DESCRIPTION
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

GENERAL NOTES (CONTINUED)

22. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
23. GEOTECHNICAL NOTES:
- G-1. SUBGRADE:
- IF UNSUITABLE/UNSTABLE SOILS ARE ENCOUNTERED DURING CONSTRUCTION, THEY SHOULD BE REPLACED WITH MATERIAL THAT MEETS THE AGGREGATE SUBGRADE IMPROVEMENT SPECIAL PROVISION (CURRENT VERSION). THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL.
- G-2. UNDERDRAINS:
- LONGITUDINAL PIPE UNDERDRAINS TO BE INSTALLED UNDERNEATH THE EDGE OF ALL NEW PAVEMENT SECTIONS.
- ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT, OR AS DEEP AS POSSIBLE AND IN ACCORDANCE WITH CHECK SHEET #19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS.
- G-3. EARTHWORK:
- RECOMMENDED TOPSOIL STRIPPING DEPTH = 6 INCHES.
- ALL TOPSOIL AND VEGETATION SHALL BE REMOVED FROM AREAS OF PROPOSED WIDENING. STRIPPED TOPSOIL TO BE STORED EITHER WITHIN CONTRACT'S LIMITS OR OFF SITE AND THEN PLACED AGAIN FOR LANDSCAPING PURPOSES ONCE ALL CONSTRUCTION IS COMPLETED.
23. TRAFFIC SIGNAL GENERAL NOTES:
- TS-1: THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 72 HOURS IN ADVANCE OF BEGINNING WORK.
- TS-2: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
- TS-3: THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- TS-4: THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- TS-5: THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
- TS-6: THE CONTRACTOR WILL NOT BE ALLOWED TO SETUP A YARD OF FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- TS-7: A CONCRETE APRON SHALL NOT BE REQUIRED FOR NEW UPS INSTALLATIONS ADJACENT TO EXISTING IMPERVIOUS SURFACES THAT SATISFY THE NEED OF CONCRETE APRON, AS DIRECTED BY THE ENGINEER.
24. THE CONSTRUCTION OF SIDE CURB AND/OR RAMP SIDE FLARES FOR CURB RAMPS AS SHOWN ON THE PLANS, STATE HIGHWAY STANDARDS, OR AS DIRECTED BY THE ENGINEER WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "PCC SIDEWALK" OF THE THICKNESS SPECIFIED.
25. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

FILE NAME :	USER NAME : Vojtkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
path: \\ILB84EBI\INTEG\Illinois.gov\PI\DOT\Documents\IDOT Office\District 1\Projects\PI24712\Design\PI24712-shi-gamata.dgn		CHECKED -	REVISED -			343	304IN-2 (12)	COOK	102	3	
PLOT SCALE : 100.0000' / IN.		DATE -	REVISED -			CONTRACT NO. 60V98					
Default	PLOT DATE : 5/12/2016					ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNAL	0021 80% FED 20% STATE INTER CONNECT	0021 100% VILL. OF BUFFALO GROVE E.V.P.	0021 100% VILL. OF BUFFALO GROVE LIGHTING	0043 100% VILL. OF BUFFALO GROVE UTILITIES
X1200087	JUNCTION CHAMBER NO. 1	EACH	1	1					
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	122	122					
20101000	TEMPORARY FENCE	FOOT	1065	1065					
20101200	TREE ROOT PRUNING	EACH	10	10					
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	8	8					
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	2	2					
20200100	EARTH EXCAVATION	CU YD	927	927					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	325	325					
20800150	TRENCH BACKFILL	CU YD	121	121					
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	460	460					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	25	25					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	25	25					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	25	25					
25100115	MULCH, METHOD 2	ACRE	0.5	0.5					
25200110	SODDING, SALT TOLERANT	SQ YD	998	998					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNAL	0021 80% FED 20% STATE INTER CONNECT	0021 100% VILL. OF BUFFALO GROVE E.V.P.	0021 100% VILL. OF BUFFALO GROVE LIGHTING	0043 100% VILL. OF BUFFALO GROVE UTILITIES
25200200	SUPPLEMENTAL WATERING	UNIT	3	3					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	50					
28000510	INLET FILTERS	EACH	12	12					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1376	1376					
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	445	445					
35501318	HOT-MIX ASPHALT BASE COURSE, 8 1/2"	SQ YD	374	374					
35600710	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"	SQ YD	77	77					
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	842	842					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2316	2316					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	8	8					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	129	129					
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	505	505					
42000511	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)	SQ YD	536	536					

* = SPECIALTY ITEMS

FILE NAME =	USER NAME = vch/marr	DESIGNED -	REVISED -
OFFICE DISTRICT PROJECTS P12412-C-0000-Design-2412-98-0001gn		CHECKED -	REVISED -
PLOT SCALE = 100,0000' / 1/4"		DATE -	REVISED -
PLOT DATE = 5/13/2016			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
SUMMARY OF QUANTITIES**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE. 343	SECTION 304IN-2 (12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 4
			CONTRACT NO. 60V98				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0021	0021	0043
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE INTER CONNECT	100% VILL. OF BUFFALO GROVE E.V.P.	100% VILL. OF BUFFALO GROVE LIGHTING	100% VILL. OF BUFFALO GROVE UTILITIES
42001300	PROTECTIVE COAT	SO YD	1693	1693					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	98	98					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	7316	7316					
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SO FT	289	289					
42400800	DETECTABLE WARNINGS	SO FT	128	128					
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	4771	4771					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	278	278					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1056	1056					
44000600	SIDEWALK REMOVAL	SO FT	6040	6040					
44200982	CLASS B PATCHES, TYPE II, 11 INCH	SO YD	24	24					
44201299	DOWEL BARS 1 1/2"	EACH	60	60					
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	54	54					
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	18	18					
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	64	64					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0021	0021	0043
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE INTER CONNECT	100% VILL. OF BUFFALO GROVE E.V.P.	100% VILL. OF BUFFALO GROVE LIGHTING	100% VILL. OF BUFFALO GROVE UTILITIES
44213200	SAW CUTS	FOOT	162	162					
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	471	471					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	88	88					
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	146	146					
55100500	STORM SEWER REMOVAL 12"	FOOT	8	8					
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	770	770					
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1					
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60200305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2	2					
60204005	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1					
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	4	4					
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2					

* = SPECIALTY ITEMS

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNAL	0021 80% FED 20% STATE INTER CONNECT	0021 100% VILL. OF BUFFALO GROVE E.V.P.	0021 100% VILL. OF BUFFALO GROVE LIGHTING	0043 100% VILL. OF BUFFALO GROVE UTILITIES	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNAL	0021 80% FED 20% STATE INTER CONNECT	0021 100% VILL. OF BUFFALO GROVE E.V.P.	0021 100% VILL. OF BUFFALO GROVE LIGHTING	0043 100% VILL. OF BUFFALO GROVE UTILITIES
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	1						67201100	SEALING ABANDONED MONITORING WELLS	EACH	4	4					
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	3	3						70300100	SHORT TERM PAVEMENT MARKING	FOOT	742	742					
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2						70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	4,926	4,926					
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4						70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	155	155					
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5					5		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1997	1997					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1						70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	722	722					
60500050	REMOVING CATCH BASINS	EACH	3	3						70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	972	972					
60500060	REMOVING INLETS	EACH	5	5						70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	185	185					
60600605	CONCRETE CURB, TYPE B	FOOT	63	63					*	72000100	SIGN PANEL - TYPE 1	SO FT	22	22					
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1082	1082					*	72000200	SIGN PANEL - TYPE 2	SO FT	50	50					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1000	1000					*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	46	46					
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1					*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3	3					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	155	155					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1997	1997					
67100100	MOBILIZATION	LSUM	1	1															

* = SPECIALTY ITEMS

FILE NAME :	USER NAME : YelloMarr	DESIGNED -	REVISED -
OFFICE DISTRICT PROJECT P124712-CADD-Design-2008-001		CHECKED -	REVISED -
PLOT SCALE : 100,0000' / 1"		DATE -	REVISED -
PLOT DATE : 5/13/2006			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	304N-2 (12)	COOK	102	6
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60V98	

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

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0021	0021	0043	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0021	0021	0043
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE INTER CONNECT	100% VILL. OF BUFFALO GROVE E.V.P.	100% VILL. OF BUFFALO GROVE LIGHTING	100% VILL. OF BUFFALO GROVE UTILITIES					80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE INTER CONNECT	100% VILL. OF BUFFALO GROVE E.V.P.	100% VILL. OF BUFFALO GROVE LIGHTING	100% VILL. OF BUFFALO GROVE UTILITIES
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	722	722						* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	42		42				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	972	972						* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	31		31				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	185	185						* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	720		640			80	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	136	136						* 81400100	HANDHOLE	EACH	5		4	1			
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	234	234						* 81400200	HEAVY-DUTY HANDHOLE	EACH	4		4				
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	609	609						* 81400300	DOUBLE HANDHOLE	EACH	3		3				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	70	70						* 81603100	UNIT DUCT, 600V, 4-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1239					1239	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	70	70						* 81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1239						1239
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1					* 83057295	LIGHT POLE, WOOD, 50 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	7						7
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1456		1060	396				* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	70						70
										* 83800505	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT	EACH	7						7

* = SPECIALTY ITEMS

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNAL	0021 80% FED 20% STATE INTER CONNECT	0021 100% VILL. OF BUFFALO GROVE E.V.P.	0021 100% VILL. OF BUFFALO GROVE LIGHTING	0043 100% VILL. OF BUFFALO GROVE UTILITIES	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNAL	0021 80% FED 20% STATE INTER CONNECT	0021 100% VILL. OF BUFFALO GROVE E.V.P.	0021 100% VILL. OF BUFFALO GROVE LIGHTING	0043 100% VILL. OF BUFFALO GROVE UTILITIES
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	7					7		* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	593		593				
											GROUNDING CONDUCTOR, NO. 6 1C								
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	7					7											
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	7					7		* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	2		2				
											16 FT.								
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	3			3				* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1				
	INSTALLATION																		
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1			1				* 87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1		1				
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.	FOOT	3149			3149				* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1				
	14 1C																		
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1391		1065		326			* 87700400	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1		1				
	14 2C																		
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1769		1769					* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8		8				
	14 3C																		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1441		1441					* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				
	14 5C																		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	2429		2429					* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	39		39				
	14 7C										DIAMETER								
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.	FOOT	4776		4776					* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH	FOOT	21		21				
	14 1 PAIR										DIAMETER								
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO.	FOOT	63		63					* 87900200	DRILL EXISTING HANDHOLE	EACH	2		1	1			
	6 2 C																		

* = SPECIALTY ITEMS

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNAL	0021 80% FED 20% STATE INTER CONNECT	0021 100% VILL. OF BUFFALO GROVE E.V.P.	0021 100% VILL. OF BUFFALO GROVE LIGHTING	0043 100% VILL. OF BUFFALO GROVE UTILITIES
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6		6				
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6		6				
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6		6				
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8				
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12		12				
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	17		17				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1271		1271				
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8				
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
* 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2				2		
* 89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1				1		
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1450			1450			

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE TRAFFIC SIGNAL	0021 80% FED 20% STATE INTER CONNECT	0021 100% VILL. OF BUFFALO GROVE E.V.P.	0021 100% VILL. OF BUFFALO GROVE LIGHTING	0043 100% VILL. OF BUFFALO GROVE UTILITIES
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1				
* 89502380	REMOVE EXISTING HANDHOLE	EACH	11		11				
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1				
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	10		10				
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	326				326		
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	2244			2244			
* X0327236	TEMPORARY WOOD POLE, 50 FT., CLASS 4	EACH	3					3	
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1300	1300					
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1				
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	200	200					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4					
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	54	54					
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	354	354					
△ X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	386	386					
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	9	9					

12

13

* = SPECIALTY ITEMS
△ = NON-PARTICIPATING WORK (100% STATE)

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0021	0021	0043
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE INTER CONNECT	100% VILL. OF BUFFALO GROVE E.V.P.	100% VILL. OF BUFFALO GROVE LIGHTING	100% VILL. OF BUFFALO GROVE UTILITIES
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1					
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	50 FT	73	73					
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	5256	5256					
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	720	720					
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1				
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3172			3172			
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1					
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	7	7					
Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	153	153					
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6				6		
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1			
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	8	8					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004	0021	0021	0021	0021	0043
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE INTER CONNECT	100% VILL. OF BUFFALO GROVE E.V.P.	100% VILL. OF BUFFALO GROVE LIGHTING	100% VILL. OF BUFFALO GROVE UTILITIES
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	59	59					
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	155	155					
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1				
* X1400183	TEMPORARY LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	7					7	
∅ Z0076600	TRAINEES	HOURL	500	500					
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500	500					

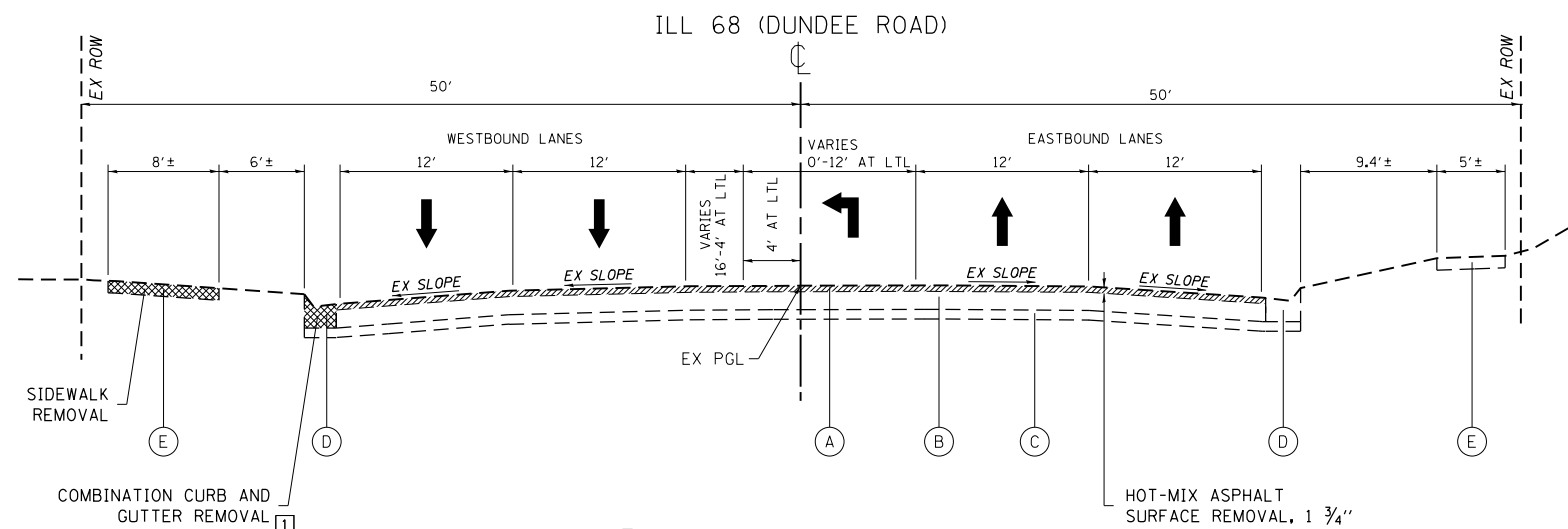
∅ = 0042 * = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

FILE NAME :	USER NAME : VolkMarry	DESIGNED -	REVISED -
OFFICE: 01/11/12 P:\Projects\124112.CADD\124112\DR\124112	CHECKED -	REVISIONS -	
PLOT SCALE = 100,0000 / 1/4"	DATE -		
PLOT DATE = 5/13/2016			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
SUMMARY OF QUANTITIES

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE. 343	SECTION 3041N-2 (12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 10
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CONTRACT NO. 60V98				



EXISTING TYPICAL SECTION
STA 48+50 TO STA 50+00
(WEST LEG)

1 = FULL DEPTH SAWCUT OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

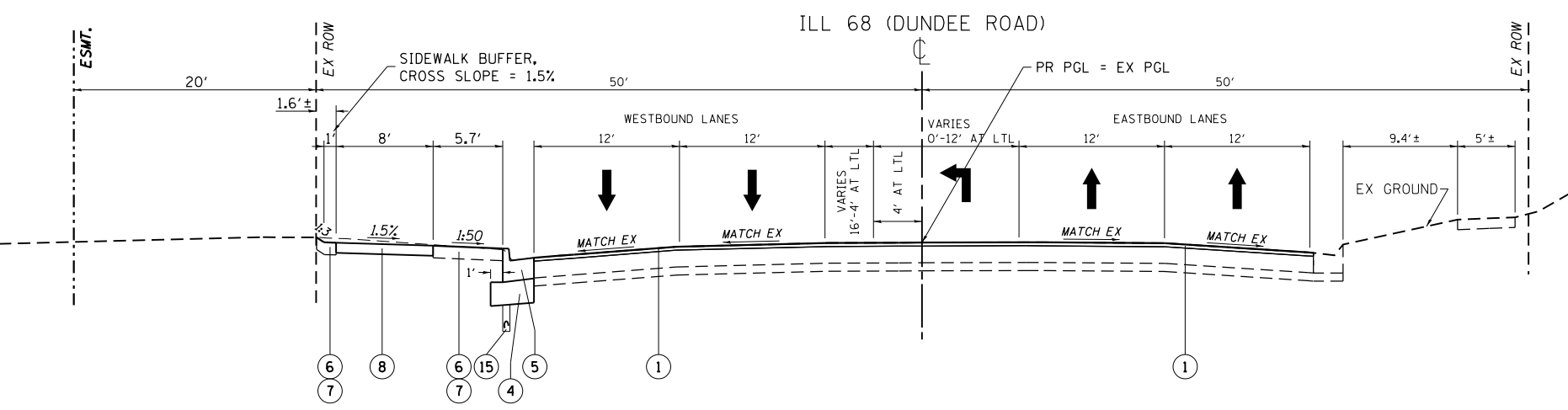
LEGEND - EXISTING

- (A) HMA OVERLAY, VARIES 1 1/4" - 2 1/2" (PREVAILING = 1 3/4")
- (B) PORTLAND CEMENT CONC PAVEMENT, 10"
- (C) STABILIZED SUB-BASE, 4"
- (D) COMB CONC CURB AND GUTTER, TYPE B-6.24
- (E) CONCRETE SIDEWALK
- (F) MOUNTABLE MEDIAN (CONCRETE)

LEGEND - PROPOSED

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- ② HMA BASE COURSE WIDENING, 8 1/2"
- ③ HMA BASE COURSE, 8 1/2"
- ④ AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ TOPSOIL EXCAVATION AND PLACEMENT, 6"
- ⑦ SODDING, SALT TOLERANT
- ⑧ SHARED-USE PATH, PAID AS PCC SIDEWALK, 5"
- ⑨ PCC PAVEMENT (JOINTED), 10 1/2"
- ⑩ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑪ LONGITUDINAL CONSTRUCTION JOINT, No. 6 x 2' LONG DEFORMED TIE BARS, GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF PCC PAVEMENT)
- ⑫ No. 6 x 2' LONG DEFORMED TIE BARS, GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER, TYPE B-6.24)
- ⑬ PCC SIDEWALK, 5"
- ⑭ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑮ PIPE UNDERDRAINS, TYPE 2, 4"

THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING



PROPOSED TYPICAL SECTION
STA 48+50 TO STA 50+00
(WEST LEG)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		OMP
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5 mm)	4% AT 70 GYR.	QC/OA
PAVEMENT WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5 mm)	4% AT 70 GYR.	QC/OA
HMA BASE COURSE WIDENING (HMA BINDER IL-19 mm), 8 1/2"	4% AT 70 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19 mm), 8 1/2"	4% AT 70 GYR.	QC/OA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
DRIVEWAY		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

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

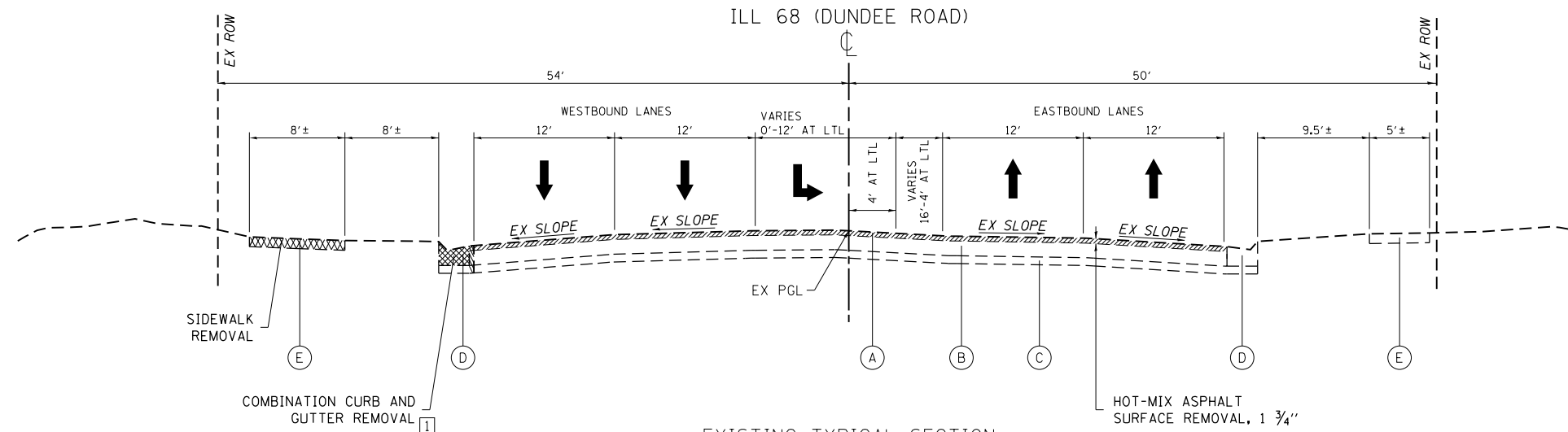
NOTE 3: QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

LEGEND - EXISTING

- (A) HMA OVERLAY, VARIES 1 1/4" - 2 1/2" (PREVAILING = 1 3/4")
- (B) PORTLAND CEMENT CONC PAVEMENT, 10"
- (C) STABILIZED SUB-BASE, 4"
- (D) COMB CONC CURB AND GUTTER, TYPE B-6.24
- (E) CONCRETE SIDEWALK
- (F) MOUNTABLE MEDIAN (CONCRETE)

LEGEND - PROPOSED

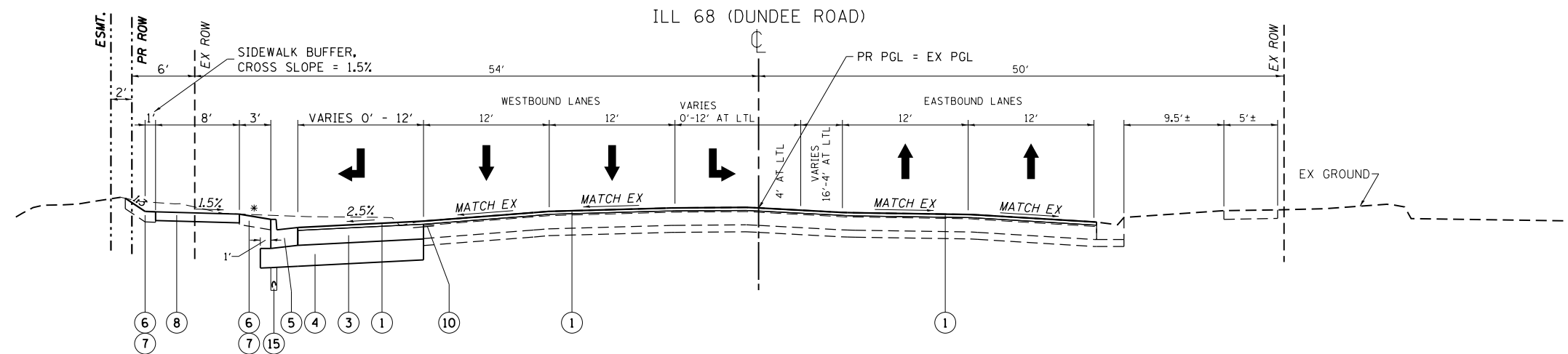
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", NTO, 1 3/4"
- (2) HMA BASE COURSE WIDENING, 8 1/2"
- (3) HMA BASE COURSE, 8 1/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) TOPSOIL EXCAVATION AND PLACEMENT, 6"
- (7) SODDING, SALT TOLERANT
- (8) SHARED-USE PATH, PAID AS PCC SIDEWALK, 5"
- (9) PCC PAVEMENT (JOINTED), 10 1/2"
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (11) LONGITUDINAL CONSTRUCTION JOINT, No. 6 x 2' LONG DEFORMED TIE BARS, GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF PCC PAVEMENT)
- (12) No. 6 x 2' LONG DEFORMED TIE BARS, GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER, TYPE B-6.24)
- (13) PCC SIDEWALK, 5"
- (14) AGGREGATE BASE COURSE, TYPE B, 4"
- (15) PIPE UNDERDRAINS, TYPE 2, 4"



EXISTING TYPICAL SECTION
STA 50+00 TO STA 53+70
(EAST LEG)

[1] = FULL DEPTH SAWCUT OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

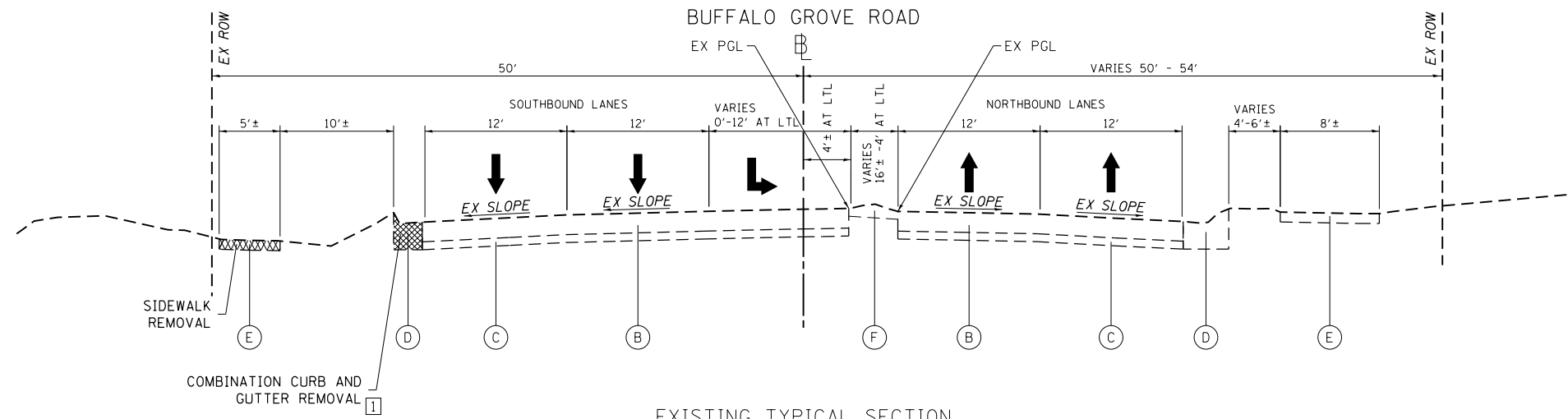
THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING



PROPOSED TYPICAL SECTION
STA 50+00 TO STA 53+70
(EAST LEG)

* = 1/2:5H (STA 51+00, STA 51+50)
1/2:12H (STA 52+00, STA 52+50, STA 53+00)
1/2:50H (STA 53+50)
SEE CROSS SECTIONS

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD TYPICAL CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P124712\Design\P124712-sh-typical.dgn		REVISIONS				343	3041N-2 (12)	COOK	102	12	
Default	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -			CONTRACT NO. 60V98					
	PLOT DATE = 5/13/2016	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO



EXISTING TYPICAL SECTION
 STA 40+00 TO STA 45+55
 (NORTH LEG)

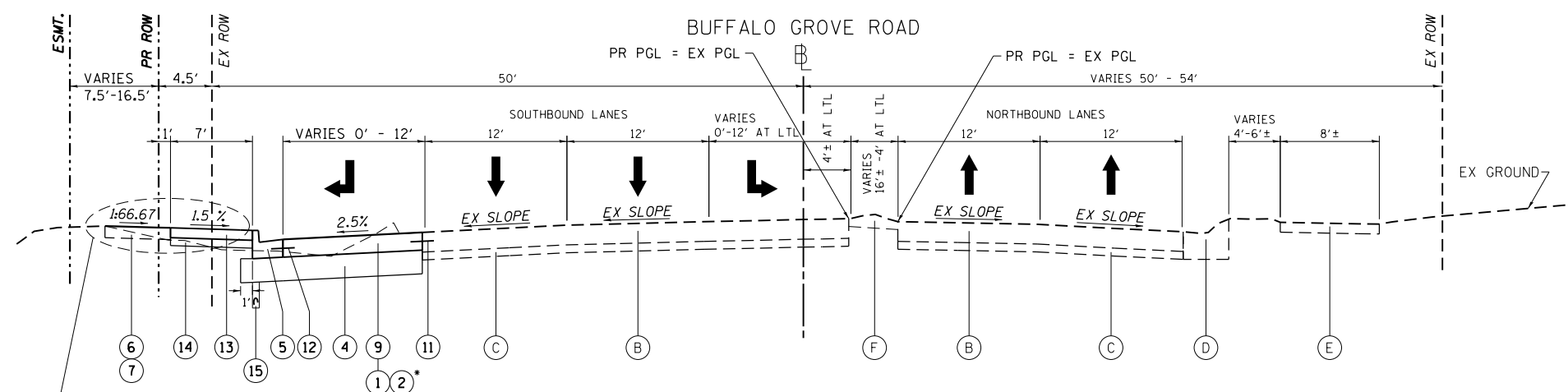
1 = FULL DEPTH SAWCUT OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

LEGEND - EXISTING

- (A) HMA OVERLAY, VARIES 1 1/4" - 2 1/2" (PREVAILING = 1 3/4")
- (B) PORTLAND CEMENT CONC PAVEMENT, 10"
- (C) STABILIZED SUB-BASE, 4"
- (D) COMB CONC CURB AND GUTTER, TYPE B-6.24
- (E) CONCRETE SIDEWALK
- (F) MOUNTABLE MEDIAN (CONCRETE)

LEGEND - PROPOSED

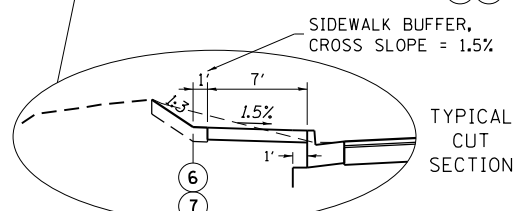
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", NTO, 1 3/4"
- (2) HMA BASE COURSE WIDENING, 8 1/2"
- (3) HMA BASE COURSE, 8 1/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) TOPSOIL EXCAVATION AND PLACEMENT, 6"
- (7) SODDING, SALT TOLERANT
- (8) SHARED-USE PATH, PAID AS PCC SIDEWALK, 5"
- (9) PCC PAVEMENT (JOINTED), 10 1/2"
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (11) LONGITUDINAL CONSTRUCTION JOINT, No. 6 x 2' LONG DEFORMED TIE BARS, GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF PCC PAVEMENT)
- (12) No. 6 x 2' LONG DEFORMED TIE BARS, GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-08, INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER, TYPE B-6.24)
- (13) PCC SIDEWALK, 5"
- (14) AGGREGATE BASE COURSE, TYPE B, 4"
- (15) PIPE UNDERDRAINS, TYPE 2, 4"



PROPOSED TYPICAL SECTION

STA 40+89.1 TO STA 45+55
 (NORTH LEG - PCC PAVEMENT)

* = FOR HMA SECTION, STA 40+31.5 TO STA 40+89.1 - SEE TYPICAL SECTION FOR EAST LEG OF IL 68



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD TYPICAL CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI24712\Design\PI24712-sh-typical.dgn	DRWN	REVISED -	REVISED -			343	3041N-2 (12)	COOK	102	13	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60V98					
	PLOT DATE = 5/13/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

LOCATION		20100110
STATION	OFFSET	UNIT
IL 68		
51+56.8	58.5 LT	14
51+97.0	58.9 LT	10
52+55.3	55.0 LT	14
52+74.7	57.5 LT	6
BUFFALO GROVE ROAD		
41+89.5	37.5 LT	12
42+69.7	37.8 LT	8
42+78.3	55.5 LT	8
43+39.8	38.3 LT	10
43+81.1	39.1 LT	10
44+19.4	39.2 LT	10
44+59.8	39.3 LT	10
44+99.2	39.0 LT	10
TOTAL =		122

TREE REMOVAL
(6-15 UNITS
DIAMETER)

PROPOSED SIGNS

ROUTE	LOCATION		PANEL DESCRIPTION	SIGN DESIGNATION	SIGN SIZE		SIGN PANEL - TYPE 1 72000100 SQ FT	SIGN PANEL - TYPE 2 72000200 SQ FT	TELESCOPING STEEL SIGN SUPPORT 72800100 FOOT	BASE FOR TELESCOPING STEEL SIGN SUPPORT 73100100 EACH
	STATION	OFFSET LT / RT			WIDTH INCHES	HEIGHT INCHES				
IL 68	52+35	LT	"ARROW" ONLY	R3-5R	30	36	7.50 [1]		15.33	1
BGR	43+20	LT	RIGHT LANE MUST TURN RIGHT	R3-7R	30	30	6.25 [2]		14.83	1
BGR	44+20	LT	"ARROW" ONLY	R3-5R	30	36	7.50 [2]		15.33	1
MAST ARM MOUNTED SIGN			IL Route 68 Dundee Rd	SEE TRAFFIC SIGNAL INSTALLATION PLANS			27.5			
MAST ARM MOUNTED SIGN			Buffalo Grove Rd	SEE TRAFFIC SIGNAL INSTALLATION PLANS			22.5			
TOTAL =							22	50	46	3

- [1] = USE TYPE AP SHEETING
- [2] = USE TYPE ZZ SHEETING PER CCDOH PRACTICE

EARTHWORK

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION TO BE USED IN FILL	FILL	EARTHWORK BALANCE	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL NEEDED FOR LANDSCAPING	TOPSOIL BALANCE
FROM STATION	TO STATION	(20200100) CUBIC YARD	(ADJUSTED FOR SHRINKAGE) CUBIC YARD	CUBIC YARD	WASTE (+) OR SHORTAGE (-) CUBIC YARD	(EXISTING TOPSOIL) (DEPTH = 6") (21101505) CUBIC YARD	(DEPTH = 6") CUBIC YARD	WASTE (+) OR SHORTAGE (-) CUBIC YARD
(1)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
IL 68 (DUNDEE ROAD)								
48+50	49+00	8	6	6	-	15	11	+ 4
49+00	49+50	30	26	7	+ 19	22	11	+ 11
49+50	50+00	27	23	0	+ 22	8	1	+ 7
50+00	50+50	37	31	1	+ 31	14	2	+ 12
50+50	51+00	64	54	1	+ 54	22	4	+ 19
51+00	51+50	51	43	1	+ 43	16	4	+ 12
51+50	52+00	49	42	1	+ 41	17	5	+ 12
52+00	52+50	48	41	0	+ 40	17	5	+ 12
52+50	53+00	38	32	1	+ 32	16	6	+ 9
53+00	53+50	22	18	2	+ 16	13	8	+ 5
53+50	54+00	0	0	1	- 1	6	4	+ 1
SUB-TOTAL =		373	317	20	+297	165	61	+104

EARTHWORK

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION TO BE USED IN FILL	FILL	EARTHWORK BALANCE	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL NEEDED FOR LANDSCAPING	TOPSOIL BALANCE
FROM STATION	TO STATION	(20200100) CUBIC YARD	(ADJUSTED FOR SHRINKAGE) CUBIC YARD	CUBIC YARD	WASTE (+) OR SHORTAGE (-) CUBIC YARD	(EXISTING TOPSOIL) (DEPTH = 6") (21101505) CUBIC YARD	(DEPTH = 6") CUBIC YARD	WASTE (+) OR SHORTAGE (-) CUBIC YARD
(1)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
BUFFALO GROVE ROAD								
40+00	40+50	83	70	0	+ 70	28	2	+ 26
40+50	41+00	130	111	0	+111	42	7	+ 34
41+00	41+50	89	76	0	+ 76	41	6	+ 35
41+50	42+00	62	52	0	+ 52	36	1	+ 35
42+00	42+50	32	27	4	+ 23	18	3	+ 15
42+50	43+00	28	24	7	+ 16	21	6	+ 15
43+00	43+50	31	26	6	+ 20	21	6	+ 15
43+50	44+00	28	24	10	+ 14	20	5	+ 15
44+00	44+50	23	20	18	+ 2	19	5	+ 14
44+50	45+00	24	20	30	- 9	20	10	+ 10
45+00	45+50	25	21	21	+	21	16	+ 5
45+50	46+00	0	0	3	- 3	9	8	+ 1
SUB-TOTAL =		554	471	99	+373	295	75	+220
GRAND-TOTAL =		927				460		324

20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	325
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COLUMN 1: LOCATION FROM PLAN

COLUMN 2: QUANTITIES OF EARTH EXCAVATION (CUT) FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL AND/OR TOPSOIL
 COLUMN 3: QUANTITIES OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 15%
 COLUMN 4: QUANTITIES OF EMBANKMENT (FILL) FROM CROSS SECTIONS
 COLUMN 5: EARTHWORK REQUIRED (COLUMN 3 - COLUMN 4)
 (+) = QUANTITY TO BE WASTED
 (-) = QUANTITY OF EMBANKMENT (FILL) NEEDED

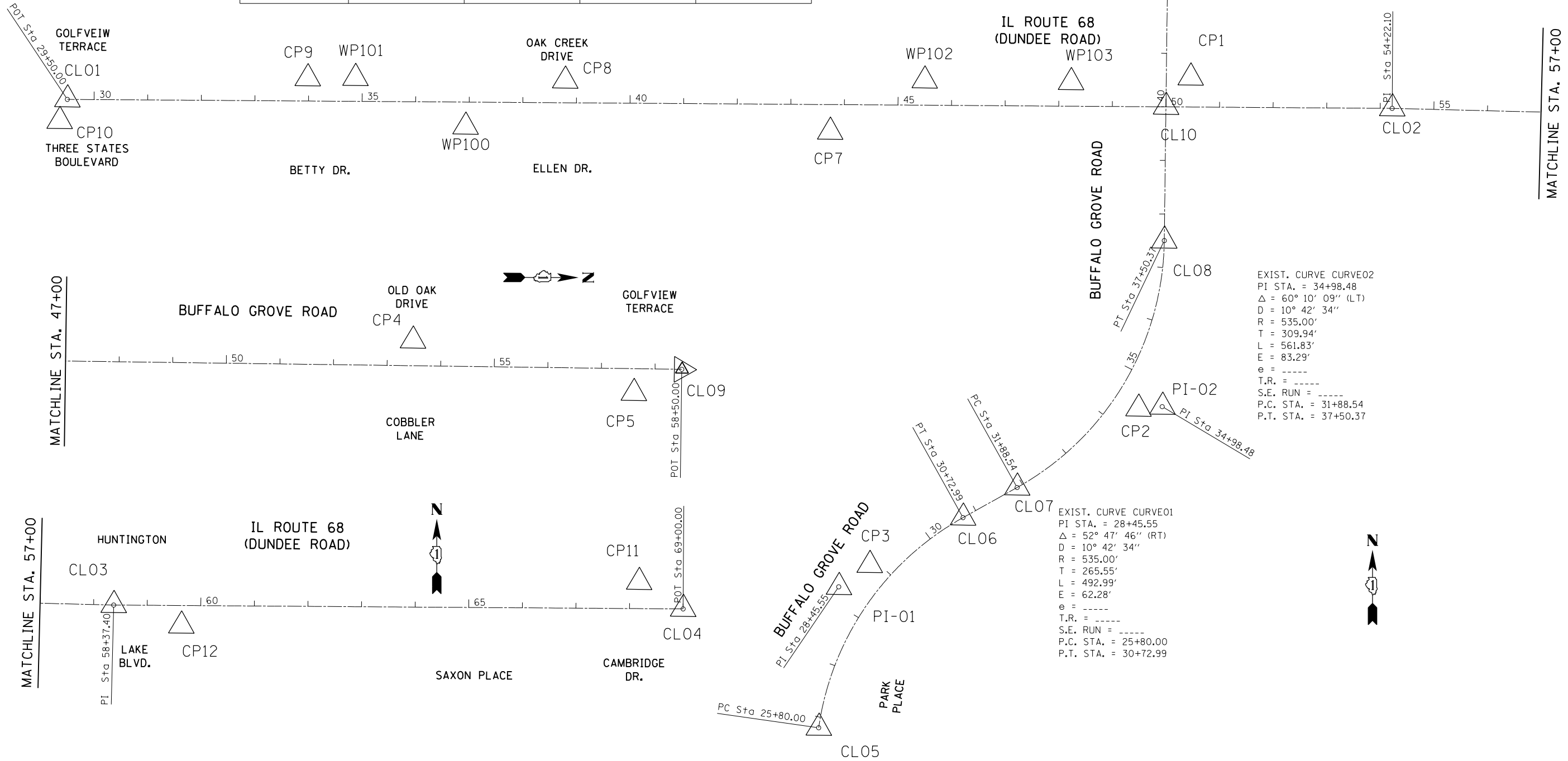
COLUMN 6: QUANTITIES OF EXISTING TOPSOIL FROM CROSS SECTIONS, TO BE PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT". THESE QUANTITIES ARE NOT INCLUDED IN EARTH EXCAVATION OR EMBANKMENT
 COLUMN 7: QUANTITIES OF TOPSOIL NEEDED FOR LANDSCAPING FROM CROSS SECTIONS
 COLUMN 8: TOPSOIL REQUIRED (COLUMN 7 - COLUMN 8)
 (+) = QUANTITY OF TOPSOIL TO BE WASTED, TO BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL"
 (-) = QUANTITY OF FURNISHED TOPSOIL NEEDED

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI24712\Drawings\Design\PI24712-sht-schedule.dgn	DESIGNED -	REVISED -	343			3041N-2 (12)	COOK	102	15	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60V98				
	PLOT DATE = 5/13/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE	POINT	NORTHING	EASTING	STATION
IL ROUTE 68 (DUNDEE RD.)	CL01	1993443.8643	1083838.6556	29+50.00
	CL02	1993427.0807	1086310.6975	54+22.10
	CL03	1993416.8079	1086725.8732	58+37.40
	CL04	1993409.6317	1993409.6317	69+00.00
BUFFALO GROVE RD.	PC CURVE 1	1992271.1900	1085240.6800	25+80.00
	PI CURVE 1	1992534.1028	1085278.0130	28+45.55
	PT CURVE 1	1992663.3400	1085510.0000	30+72.99
	PC CURVE 2	1992719.5800	1085610.9400	31+88.54
	PI CURVE 2	1992870.4249	1085881.6952	34+98.48
	PT CURVE 2	1993180.3400	1085885.5200	37+50.37
	CL09	1995279.8053	1085911.4642	58+50.00

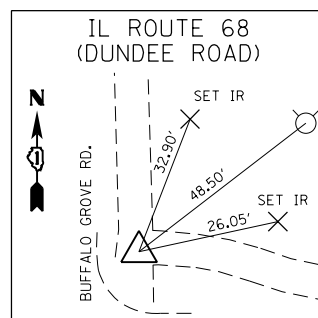
MATCHLINE STA. 47+00



EXIST. CURVE CURVE02
 PI STA. = 34+98.48
 Δ = 60° 10' 09" (LT)
 D = 10° 42' 34"
 R = 535.00'
 T = 309.94'
 L = 561.83'
 E = 83.29'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 31+88.54
 P.T. STA. = 37+50.37

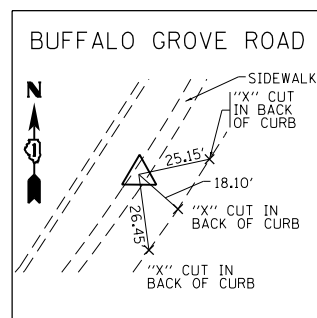
EXIST. CURVE CURVE01
 PI STA. = 28+45.55
 Δ = 52° 47' 46" (RT)
 D = 10° 42' 34"
 R = 535.00'
 T = 265.55'
 L = 492.99'
 E = 62.28'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 25+80.00
 P.T. STA. = 30+72.99

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENTS, TIES AND BENCHMARKS IL ROUTE 68 (DUNDEE ROAD) AT BUFFALO GROVE ROAD	F.A.P. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI24712\Drawings\CAD\Sheets\PI24712-sht-ATB.dgn	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -			343	3041N-2(12)	COOK	102	16	
Default	PLOT DATE = 5/13/2016	DATE -	REVISED -			CONTRACT NO. 60V98					
						ILLINOIS FED. AID PROJECT					



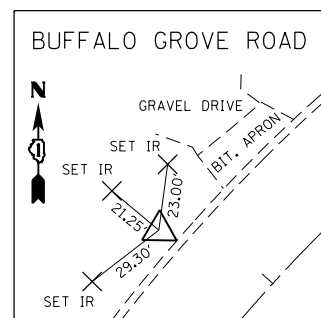
CONTROL POINT #1

"X" CUT IN CONC. WALK NE CORNER OF DUNDEE RD. AND BUFFALO GROVE RD.
 STA. 50+45.38
 N=1993484.6370
 E=1085934.7330
 ELEV.=677.99



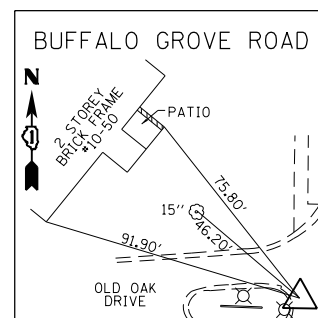
CONTROL POINT #2

"X" CUT IN SIDEWALK EAST SIDE OF BUFFALO GROVE RD. AT 985 BUFFALO GROVE RD. AT "TOUCH OF HEALTH" BLDG
 STA. 34+46.52
 N=1992866.8210
 E=1085837.1880
 ELEV.=680.98



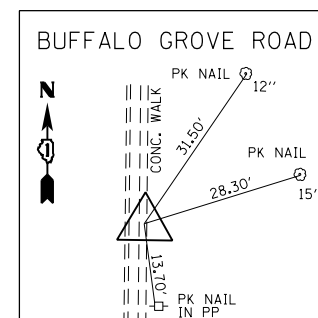
CONTROL POINT #3

SET 1/2" IR ON WEST SIDE OF BUFFALO GROVE RD. ±80' NORTH OF SOUTH END OF OLD BUFFALO GROVE RD.
 STA. 28+88.26
 N=1992574.8700
 E=1085335.8210
 ELEV.=690.91



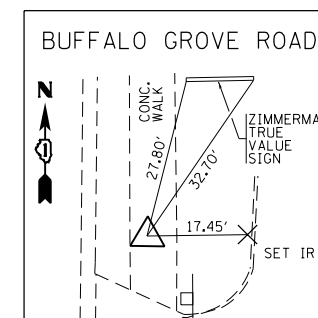
CONTROL POINT #4

"X" CUT IN CONC. CROSSWALK ON WEST SIDE OF BUFFALO GROVE RD. IN MEDIAN WITH OLD OAK DRIVE
 STA. 53+47.38
 N=1994777.7050
 E=1085858.6800
 ELEV.=680.63



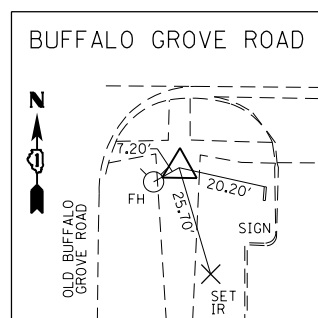
CONTROL POINT #5

"X" CUT IN CONC. WALK ON EAST SIDE OF BUFFALO GROVE RD. ACROSS FROM GOLFOVIEW TERRACE
 STA. 57+60.58
 N=1995189.6750
 E=1085955.8840
 ELEV.=683.38



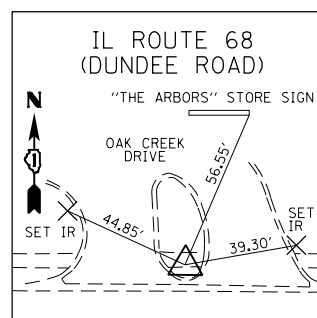
CONTROL POINT #6

"X" CUT IN CONC. WALK ON EAST SIDE OF BUFFALO GROVE RD. BY MID-ENTRANCE FOR STRIP MALL
 STA. 46+63.83
 N=1994093.0800
 E=1085940.6250
 ELEV.=677.96



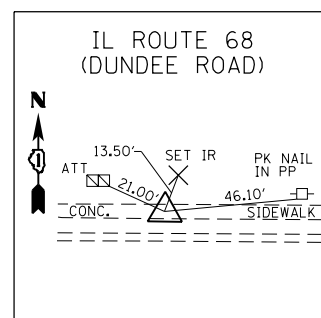
CONTROL POINT #7

"X" CUT IN SIDEWALK ON SE CORNER OF OLD BUFFALO GROVE RD. AND IL ROUTE 68 (DUNDEE RD).
 STA. 43+73.32
 N=1993383.5400
 E=1085261.8450
 ELEV.=682.45



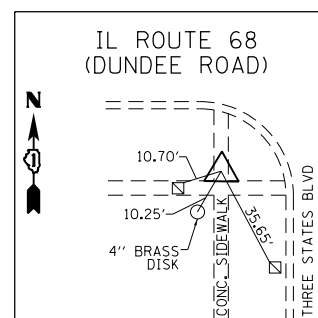
CONTROL POINT #8

"X" CUT IN MEDIAN SIDEWALK ON NORTH SIDE OF DUNDEE RD. ± CL AT ELLEN DRIVE AND ENTRANCE OF "THE ARBORS" CONDO.
 STA. 38+78.34
 N=1993478.8850
 E=1084767.5450
 ELEV.=688.28



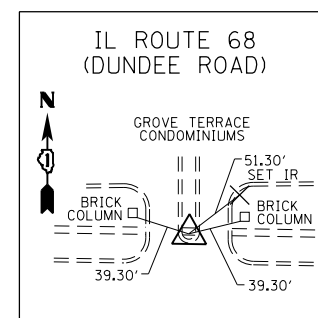
CONTROL POINT #9

"X" CUT IN SIDEWALK ON NORTH SIDE OF DUNDEE RD. APPROX. IN LINE WITH WEST EOP OF BETTY DRIVE
 STA. 33+97.84
 N=1993483.2000
 E=1084287.1300
 ELEV.=691.33



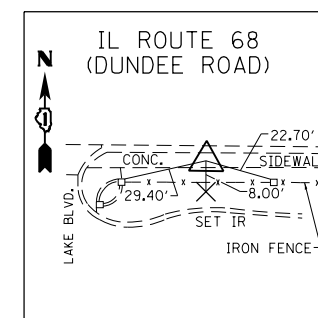
CONTROL POINT #10

"X" CUT IN SIDEWALK ON SW CORNER OF THE INTERSECTION OF DUNDEE RD. AND GOLFOVIEW TERRACE
 STA. 29+35.44
 N=1993403.4830
 E=1083824.1860
 ELEV.=693.05



CONTROL POINT #11

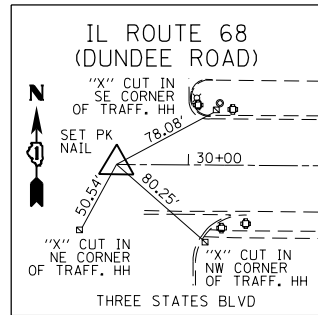
"X" CUT IN MEDIAN SIDEWALK ON NORTH SIDE OF DUNDEE RD. ± CL AT CAMBRIDGE DR AND THE ENTRANCE TO GROVE TERRACE CONDOS
 STA. 69+17.15
 N=1993460.2350
 E=1087706.1930
 ELEV.=675.08



CONTROL POINT #12

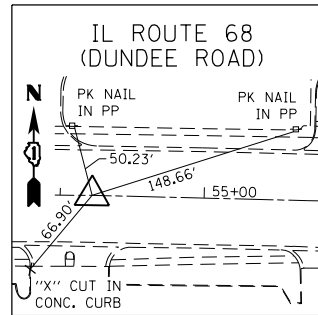
"X" CUT ON SOUTHSIDE OF DUNDEE RD. IN SIDEWALK EAST OF LAKE BLVD (HUNTINGTON LN. ON NORTH SIDE)
 STA. 59+63.91
 N=1993378.3910
 E=1086851.9840
 ELEV.=677.59

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENTS, TIES AND BENCHMARKS IL ROUTE 68 (DUNDEE ROAD) AT BUFFALO GROVE ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI247\Drawings\CAD\Sheets\PI24712-sht-ATB.dgn	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -			343	3041N-2(12)	COOK	102	17	
Default	PLOT DATE = 5/13/2016	DATE -	REVISED -			CONTRACT NO. 60V98					
						ILLINOIS FED. AID PROJECT					



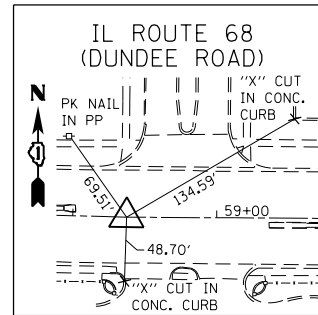
POINT #CL01

SET PK NAIL IN \O OF
IL ROUTE 68 (DUNDEE RD).
STA. 29+50.00
N=1993443.8643
E=1083838.6556



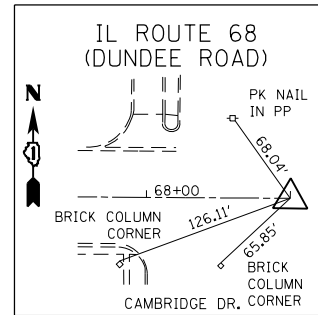
POINT #CL02

SET PK NAIL IN \O OF
IL ROUTE 68 (DUNDEE RD).
STA. 54+22.10
N=1993427.0807
E=1086310.6975



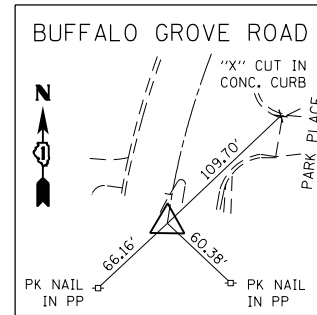
POINT #CL03

SET PK NAIL IN \O OF
IL ROUTE 68 (DUNDEE RD).
STA. 58+37.40
N=1993416.8079
E=1086725.8732



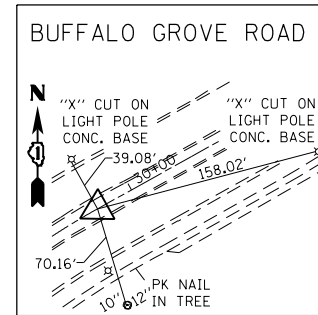
POINT #CL04

SET PK NAIL IN \O OF
IL ROUTE 68 (DUNDEE RD).
STA. 69+00.00
N=1993409.6317
E=1087788.4473



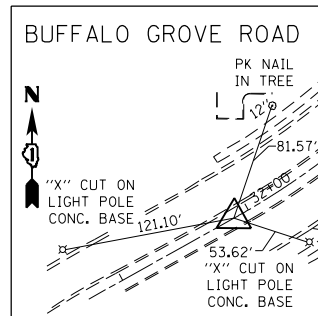
POINT #CL05

SET PK NAIL IN \O OF
BUFFALO GROVE RD.
STA. 25+80.00
N=1992271.1854
E=1085240.6840



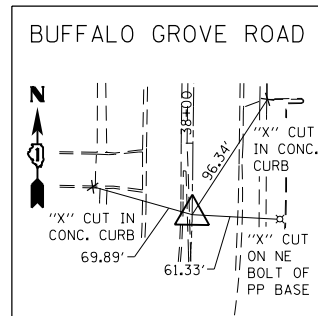
POINT #CL06

SET PK NAIL IN \O OF
BUFFALO GROVE RD.
STA. 30+72.99
N=1992663.3441
E=1085509.9950



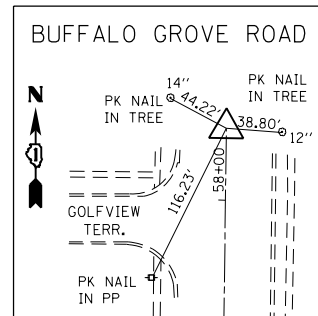
POINT #CL07

SET PK NAIL IN \O OF
BUFFALO GROVE RD.
STA. 30+72.99
N=1992663.3441
E=1085509.9950



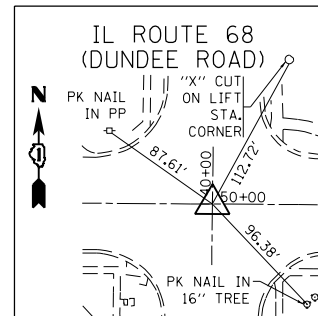
POINT #CL08

SET PK NAIL IN \O OF
BUFFALO GROVE RD.
STA. 37+50.37
N=1993180.3375
E=1085885.5243



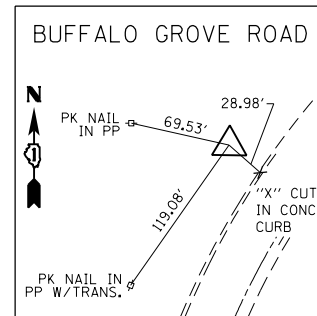
POINT #CL09

SET PK NAIL IN \O OF
BUFFALO GROVE RD.
STA. 58+50.00
N=1995279.8053
E=1085911.4642



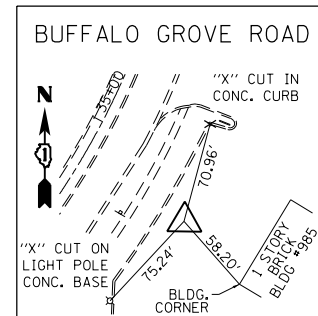
POINT #CL10

SET PK NAIL IN \O - \O OF
IL ROUTE 68 (DUNDEE RD)
AND BUFFALO GROVE RD.
STA. 50+00.00 - 40+00.00
N=1993429.9465
E=1085888.6083



POINT #PI-01

SET REBAR ON WEST SIDE
OF BUFFALO GROVE RD.
STA. 28+45.55
N=1992534.1028
E=1085278.0130



POINT #PI-02

"X" CUT IN BIT. SURF.
ON EAST SIDE OF
BUFFALO GROVE RD.
STA. 34+98.48
N=1992870.4249
E=1085881.6952

SITE BENCHMARK #1

ELEV. = 694.57
SOUTH BOLT ON FIRE HYDRANT
ON THE NORTH SIDE OF
DUNDEE RD. FIRST FIRE HYDRANT
WEST OF GOLFVIEW TERRACE

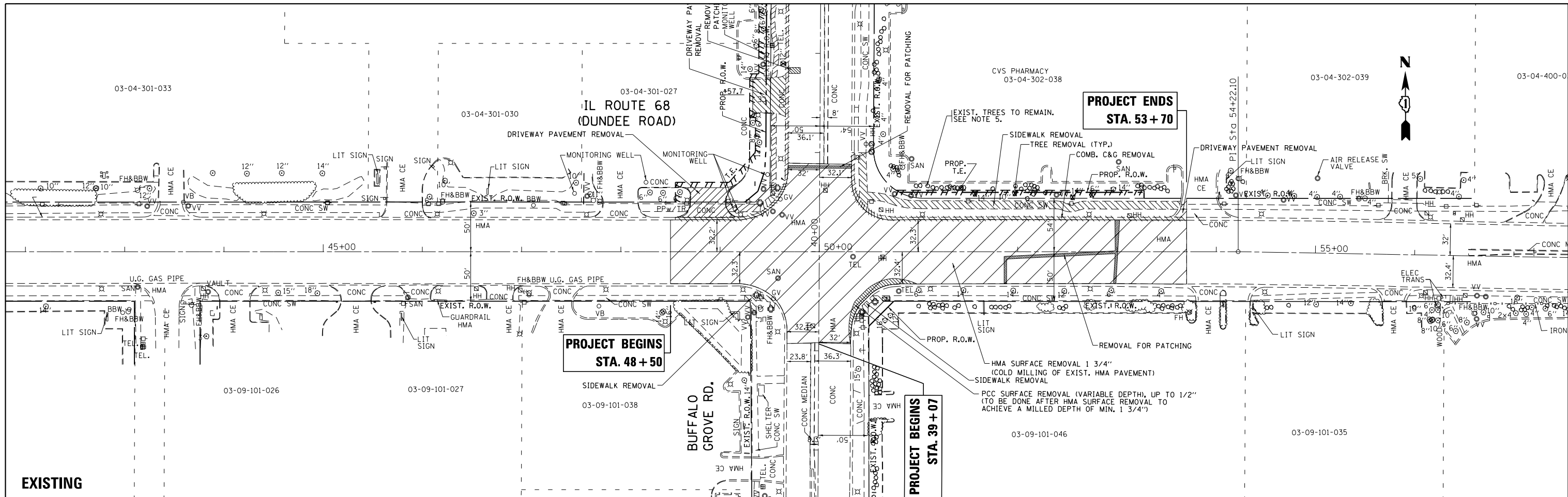
SITE BENCHMARK #2

ELEV. = 680.98
SOUTH FIRE HYDRANT AT S.W.X.
DUNDEE RD. AND BUFFALO
GROVE RD.

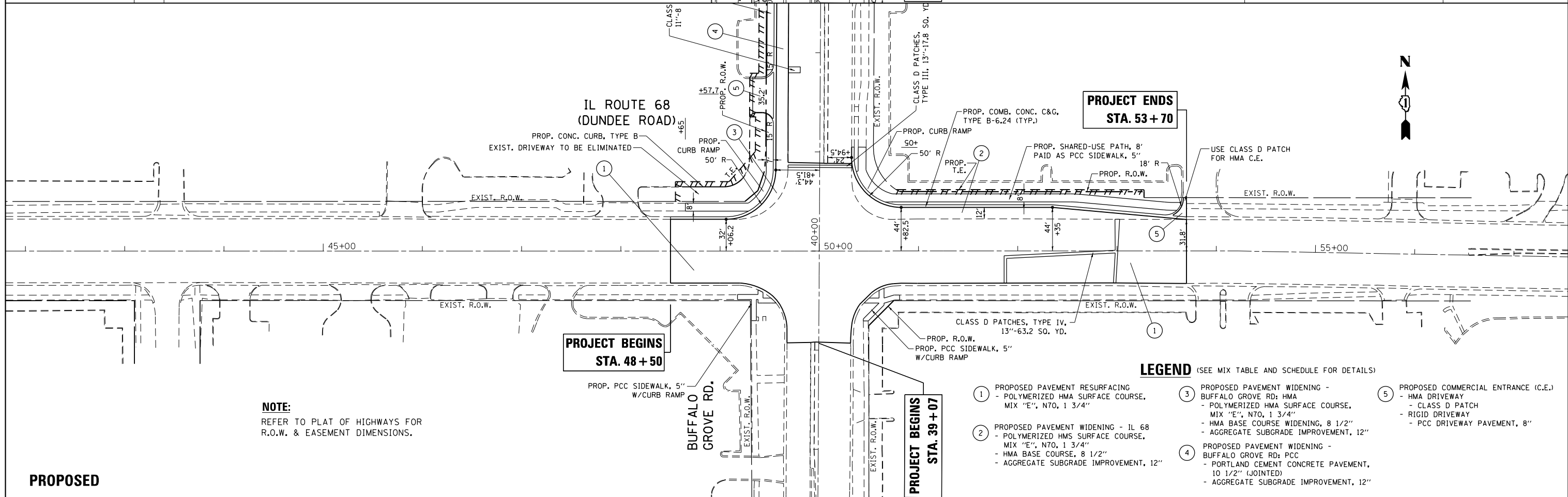
SITE BENCHMARK #3

ELEV. = 684.52
NORTH BOLT ON FIRE HYDRANT
AT NEX GOLFVIEW TERRACE AND
BUFFALO GROVE ROAD

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENTS, TIES AND BENCHMARKS IL ROUTE 68 (DUNDEE ROAD) AT BUFFALO GROVE ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI2477\Drawings\CAD\Sheets\PI24712-sht-ATB.dgn	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -			343	3041N-2(12)	COOK	102	18	
Default	PLOT DATE = 5/13/2016	DATE -	REVISED -			CONTRACT NO. 60V98					
						SCALE: 1" = 100'		SHEET OF SHEETS		STA. TO STA.	



EXISTING



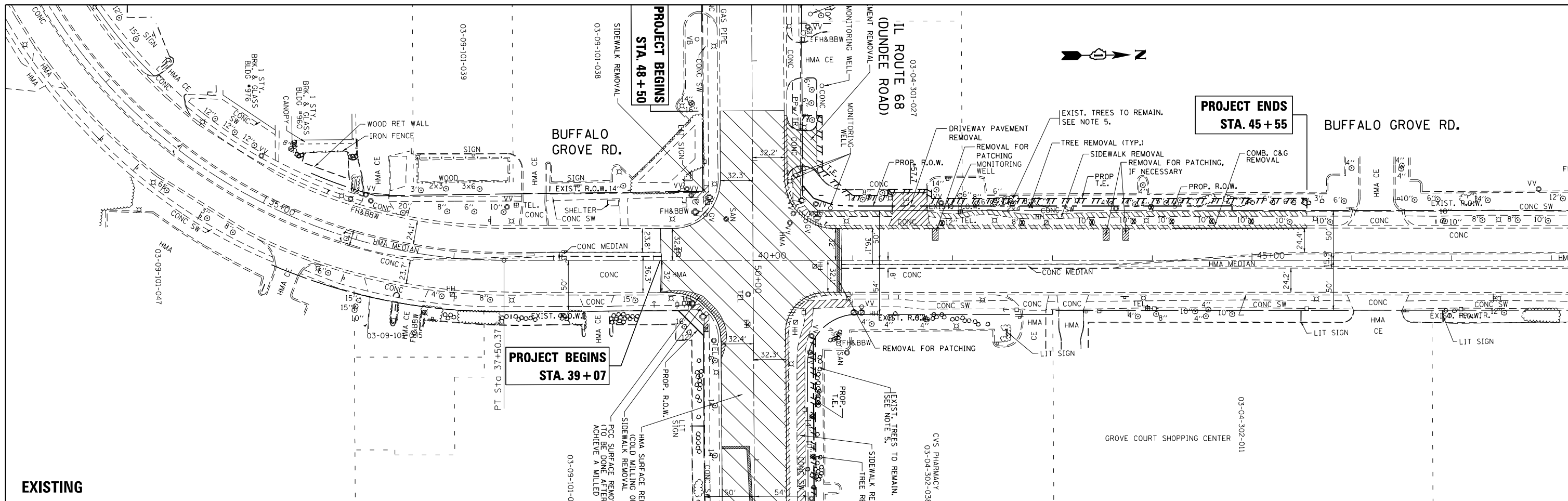
PROPOSED

NOTE:
REFER TO PLAT OF HIGHWAYS FOR
R.O.W. & EASEMENT DIMENSIONS.

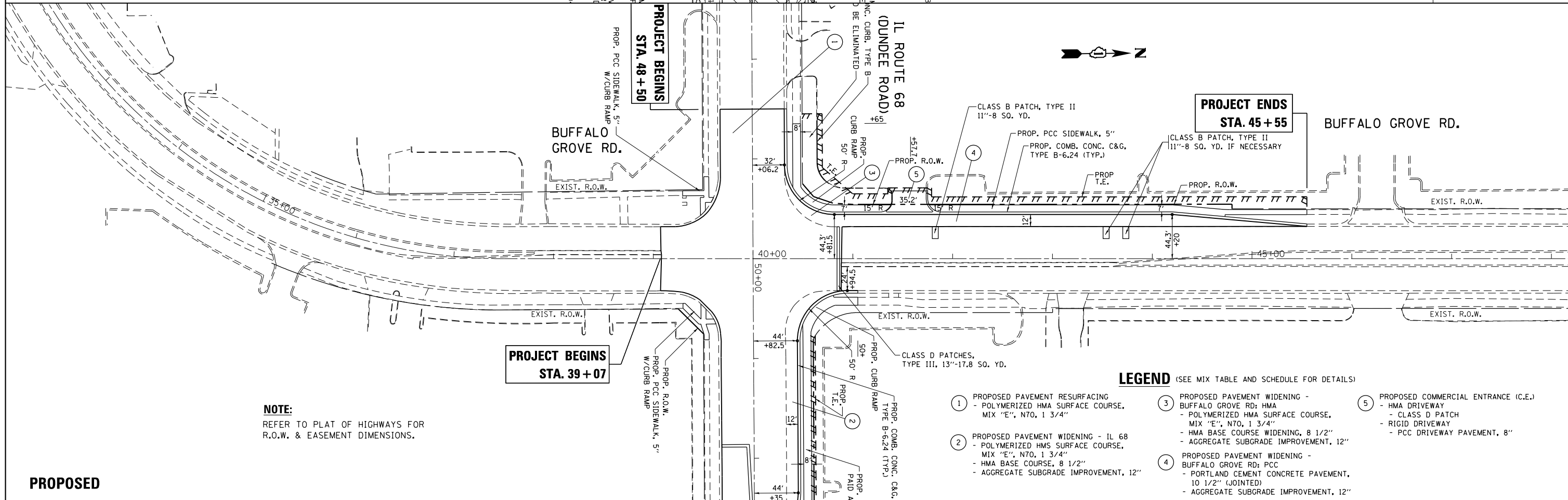
- LEGEND** (SEE MIX TABLE AND SCHEDULE FOR DETAILS)
- ① PROPOSED PAVEMENT RESURFACING
- POLYMERIZED HMA SURFACE COURSE,
MIX "E", N70, 1 3/4"
 - ② PROPOSED PAVEMENT WIDENING - IL 68
- POLYMERIZED HMA SURFACE COURSE,
MIX "E", N70, 1 3/4"
- HMA BASE COURSE, 8 1/2"
- AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ③ PROPOSED PAVEMENT WIDENING -
BUFFALO GROVE RD: HMA
- POLYMERIZED HMA SURFACE COURSE,
MIX "E", N70, 1 3/4"
- HMA BASE COURSE WIDENING, 8 1/2"
- AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ④ PROPOSED PAVEMENT WIDENING -
BUFFALO GROVE RD: PCC
- PORTLAND CEMENT CONCRETE PAVEMENT,
10 1/2" (JOINTED)
- AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ⑤ PROPOSED COMMERCIAL ENTRANCE (C.E.)
- HMA DRIVEWAY
- CLASS D PATCH
- RIGID DRIVEWAY
- PCC DRIVEWAY PAVEMENT, 8"

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL. ROUTE 68 (DUNDEE RD.) AT BUFFALO GROVE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI247\Drawings\CAD\Sheets\PI24712-shr-plnpr.dwg	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			343	3041N-2(12)	COOK	102	19
Default	PLLOT DATE = 5/13/2016	DATE -	REVISED -			SCALE: 1"=50'		SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 60V98





EXISTING



PROPOSED

NOTE:
REFER TO PLAT OF HIGHWAYS FOR
R.O.W. & EASEMENT DIMENSIONS.

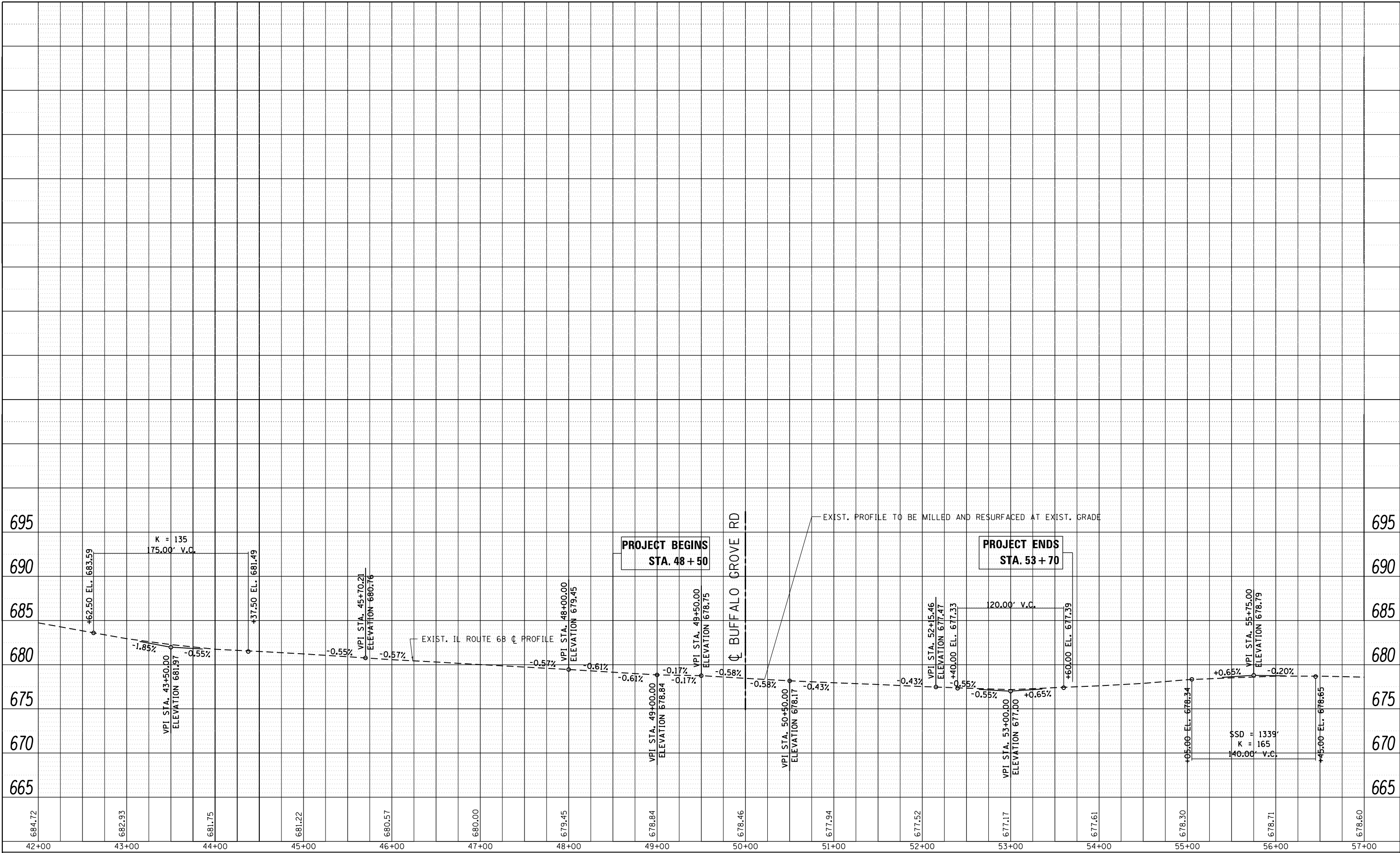
LEGEND (SEE MIX TABLE AND SCHEDULE FOR DETAILS)

- ① PROPOSED PAVEMENT RESURFACING - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ② PROPOSED PAVEMENT WIDENING - IL 68 - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4" - HMA BASE COURSE, 8 1/2" - AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ PROPOSED PAVEMENT WIDENING - BUFFALO GROVE RD: HMA - POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4" - HMA BASE COURSE WIDENING, 8 1/2" - AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ PROPOSED PAVEMENT WIDENING - BUFFALO GROVE RD: PCC - PORTLAND CEMENT CONCRETE PAVEMENT, 10 1/2" (JOINTED) - AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑤ PROPOSED COMMERCIAL ENTRANCE (C.E.) - HMA DRIVEWAY - CLASS D PATCH - RIGID DRIVEWAY - PCC DRIVEWAY PAVEMENT, 8"

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL. ROUTE 68 (DUNDEE RD.) AT BUFFALO GROVE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI24712\Drawings\CAD\Sheets\PI24712-shr-plnprf.dwg		CHECKED -	REVISED -			343	3041N-2(12)	COOK	102	20
Default		PLOT DATE = 5/13/2016	REVISED -			SCALE: 1"=50'			SHEET OF SHEETS STA. TO STA.	

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

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATIONS CHPKD	



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
\\IL084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P124712\Drawings\CADsheets\P124712-sht-plnpr.f.dwg		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/13/2016	DATE -	REVISED -

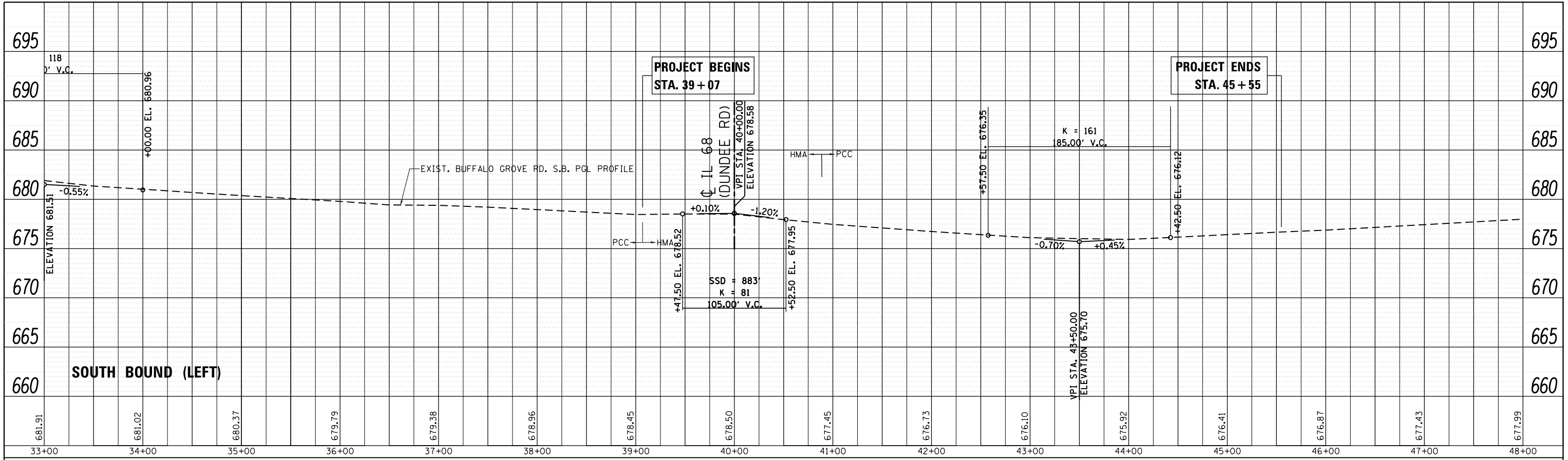
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE
IL. ROUTE 68 (DUNDEE RD.) AT BUFFALO GROVE RD.**

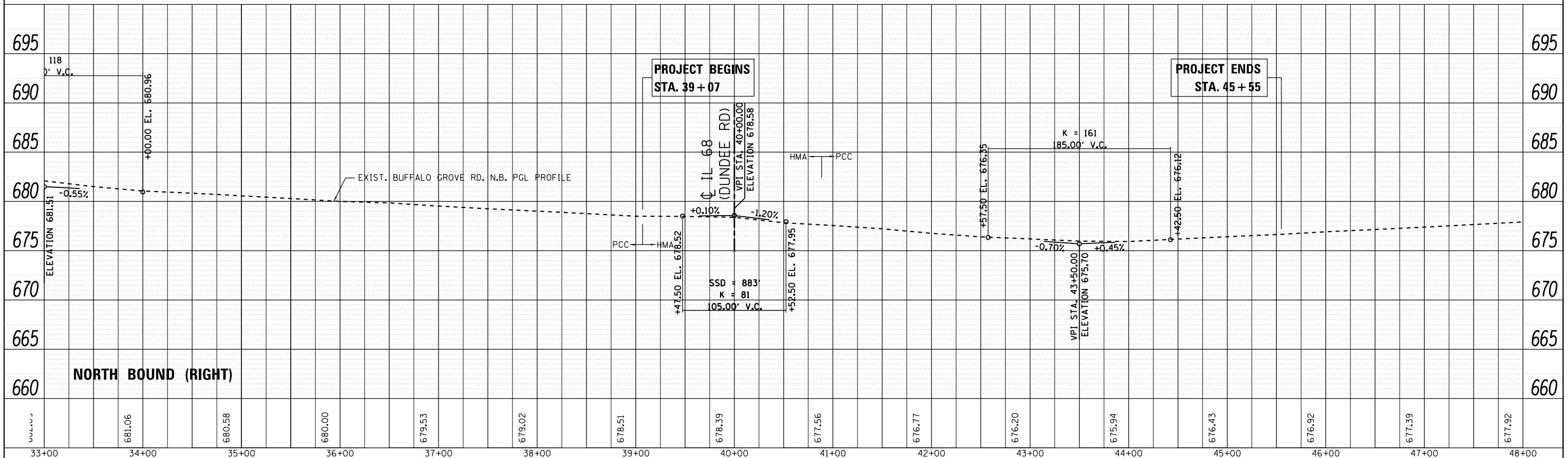
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	3041N-2(12)	COOK	102	21
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

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



PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE		
	NOTATRS		
	CHKD		



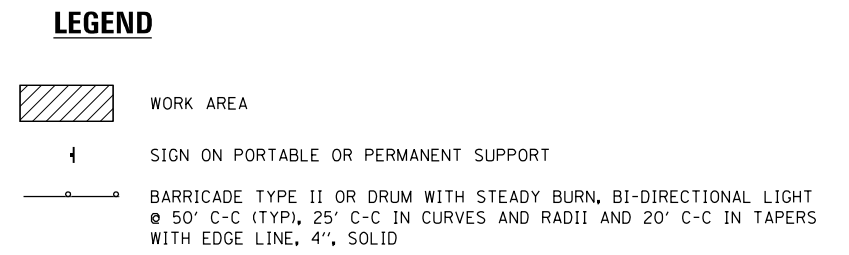
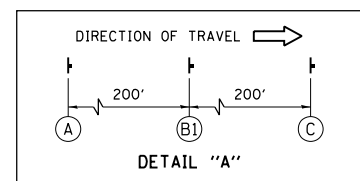
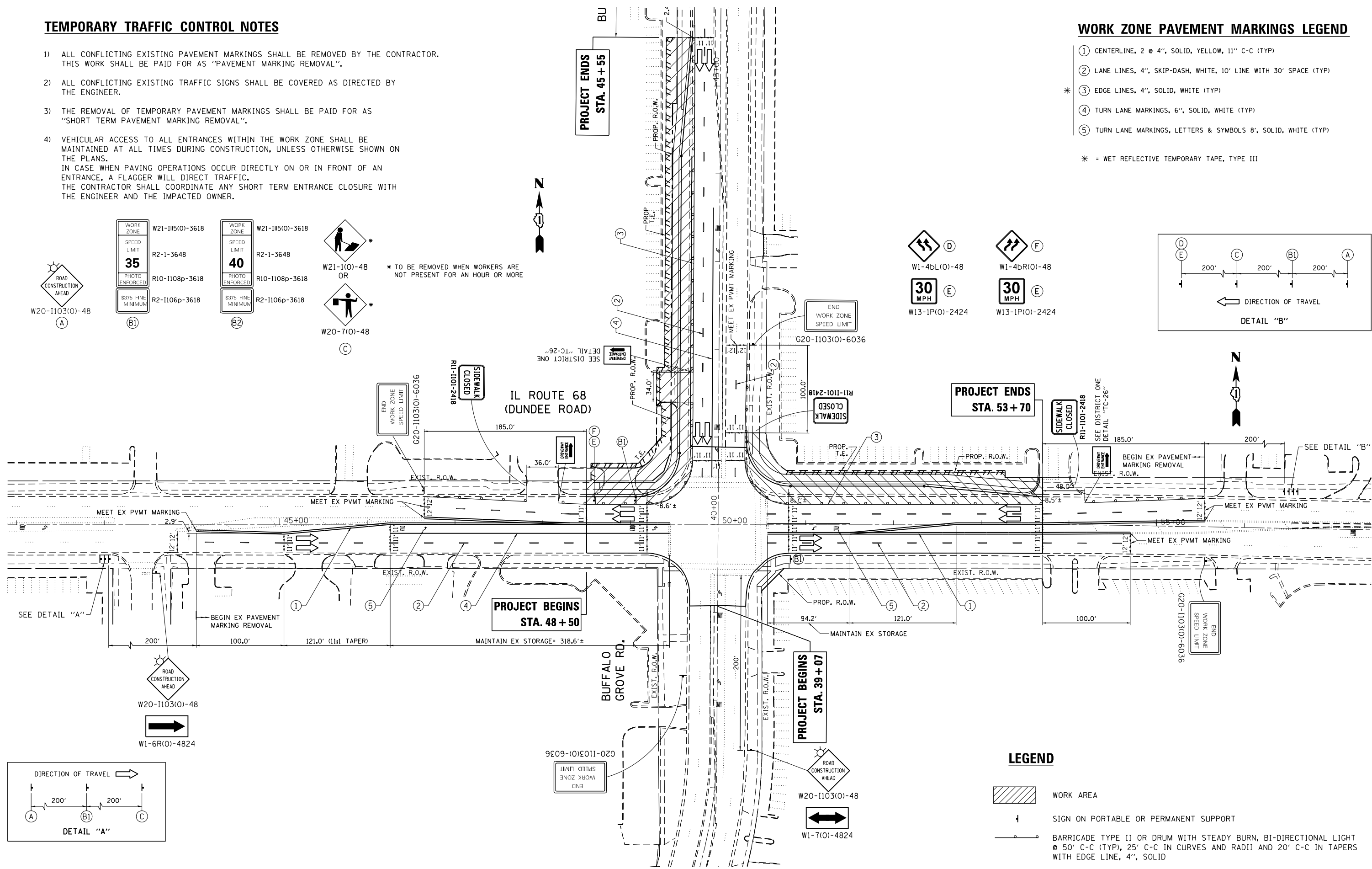
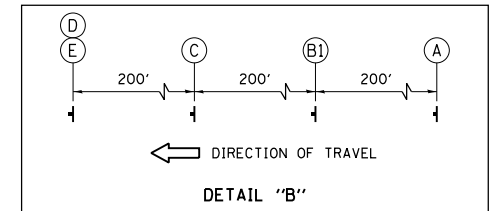
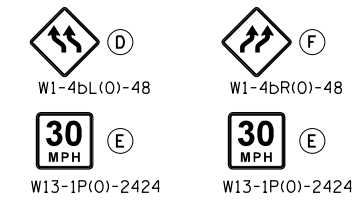
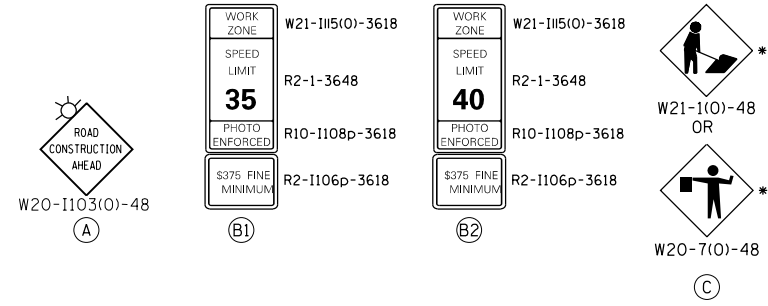
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11884EBIDINTEG.allinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P124712\Drawings\CAD\Sheets\P124712-sht-plnprf.dwg	DRAWN	REVISOR	REVISOR		IL. ROUTE 68 (DUNDEE RD.) AT BUFFALO GROVE RD.			343	3041N-2(12)	COOK	102	22
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR	REVISOR		SCALE: 1"=50'			SHEET OF SHEETS		CONTRACT NO. 60V98		
DATE = 5/13/2016	DATE -	REVISOR	REVISOR		STA. TO STA.			ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC CONTROL NOTES

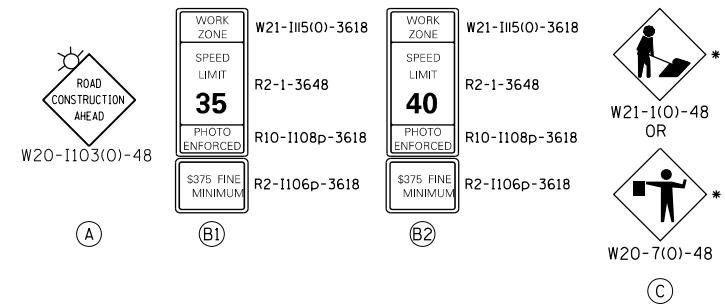
- 1) ALL CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY THE CONTRACTOR. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL".
- 2) ALL CONFLICTING EXISTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER.
- 3) THE REMOVAL OF TEMPORARY PAVEMENT MARKINGS SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL".
- 4) VEHICULAR ACCESS TO ALL ENTRANCES WITHIN THE WORK ZONE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, UNLESS OTHERWISE SHOWN ON THE PLANS.
IN CASE WHEN PAVING OPERATIONS OCCUR DIRECTLY ON OR IN FRONT OF AN ENTRANCE, A FLAGGER WILL DIRECT TRAFFIC.
THE CONTRACTOR SHALL COORDINATE ANY SHORT TERM ENTRANCE CLOSURE WITH THE ENGINEER AND THE IMPACTED OWNER.

WORK ZONE PAVEMENT MARKINGS LEGEND

- 1 CENTERLINE, 2 @ 4", SOLID, YELLOW, 11" C-C (TYP)
 - 2 LANE LINES, 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP)
 - * 3 EDGE LINES, 4", SOLID, WHITE (TYP)
 - 4 TURN LANE MARKINGS, 6", SOLID, WHITE (TYP)
 - 5 TURN LANE MARKINGS, LETTERS & SYMBOLS 8", SOLID, WHITE (TYP)
- * = WET REFLECTIVE TEMPORARY TAPE, TYPE III



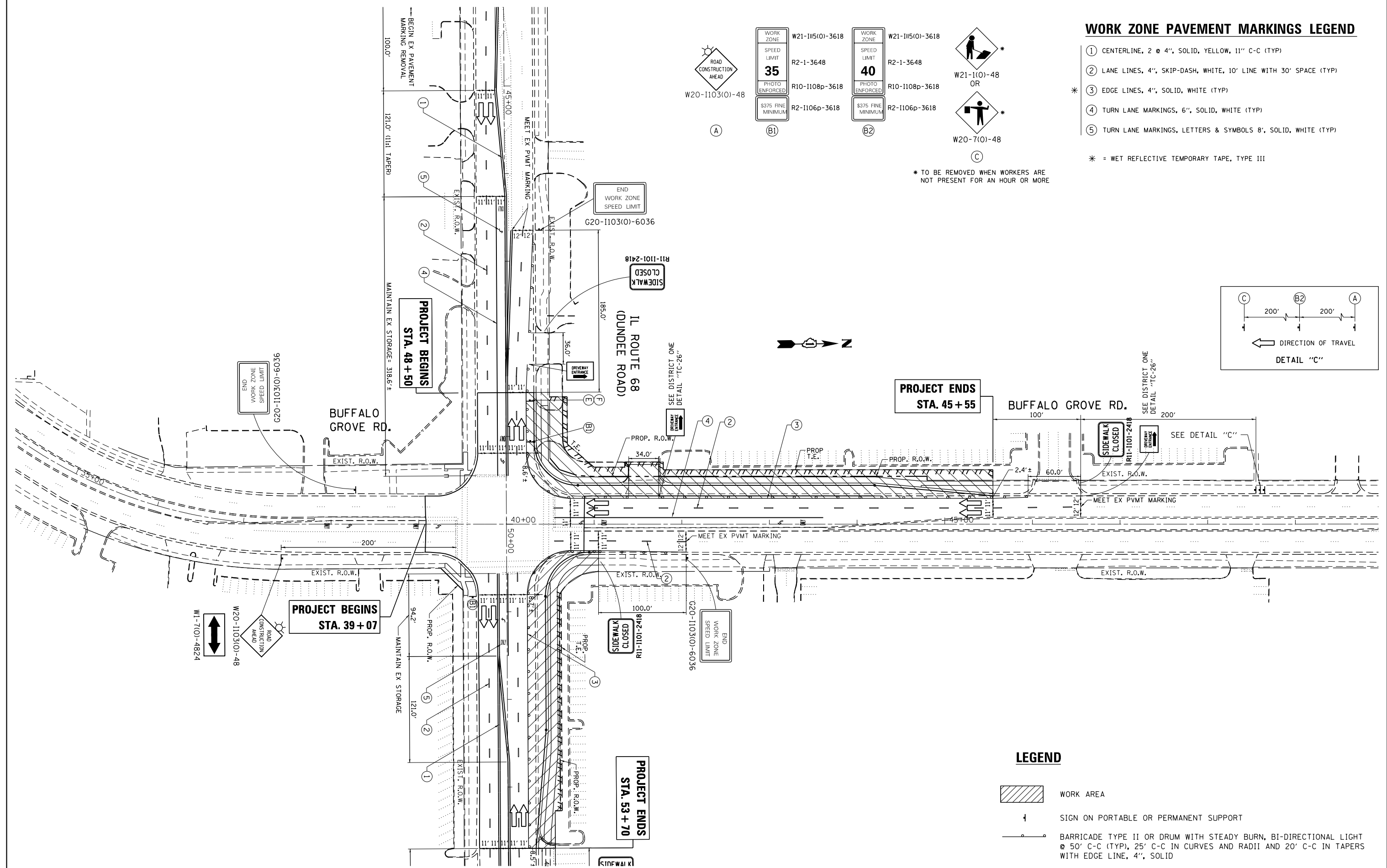
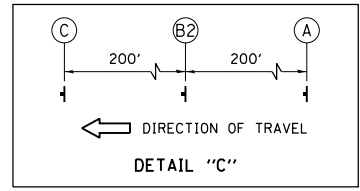
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD TEMPORARY TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\ill084EBIDINTEG.illinois.gov\PI\DOT Documents\DOT Offices\District 1\Projects\P124712\Design\P124712-shr-staging.dwg		CHECKED -	REVISED -			343	3041N-2 (12)	COOK	102	23
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 60V98			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 5/13/2016					SCALE:	SHEET	OF	SHEETS	STA.



WORK ZONE PAVEMENT MARKINGS LEGEND

- ① CENTERLINE, 2 @ 4", SOLID, YELLOW, 11" C-C (TYP)
 - ② LANE LINES, 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP)
 - * ③ EDGE LINES, 4", SOLID, WHITE (TYP)
 - ④ TURN LANE MARKINGS, 6", SOLID, WHITE (TYP)
 - ⑤ TURN LANE MARKINGS, LETTERS & SYMBOLS 8", SOLID, WHITE (TYP)
- * = WET REFLECTIVE TEMPORARY TAPE, TYPE III

* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR AN HOUR OR MORE



LEGEND

- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- BARRICADE TYPE II OR DRUM WITH STEADY BURN, BI-DIRECTIONAL LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII AND 20' C-C IN TAPERS WITH EDGE LINE, 4", SOLID

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG\illinois.gov\PIWID\Documents\IDOT Offices\District 1\Projects\PI24712\Auto\Design\PI24712-sht-staging.dwg		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
TEMPORARY TRAFFIC CONTROL**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	24
CONTRACT NO. 60V98			ILLINOIS FED. AID PROJECT	

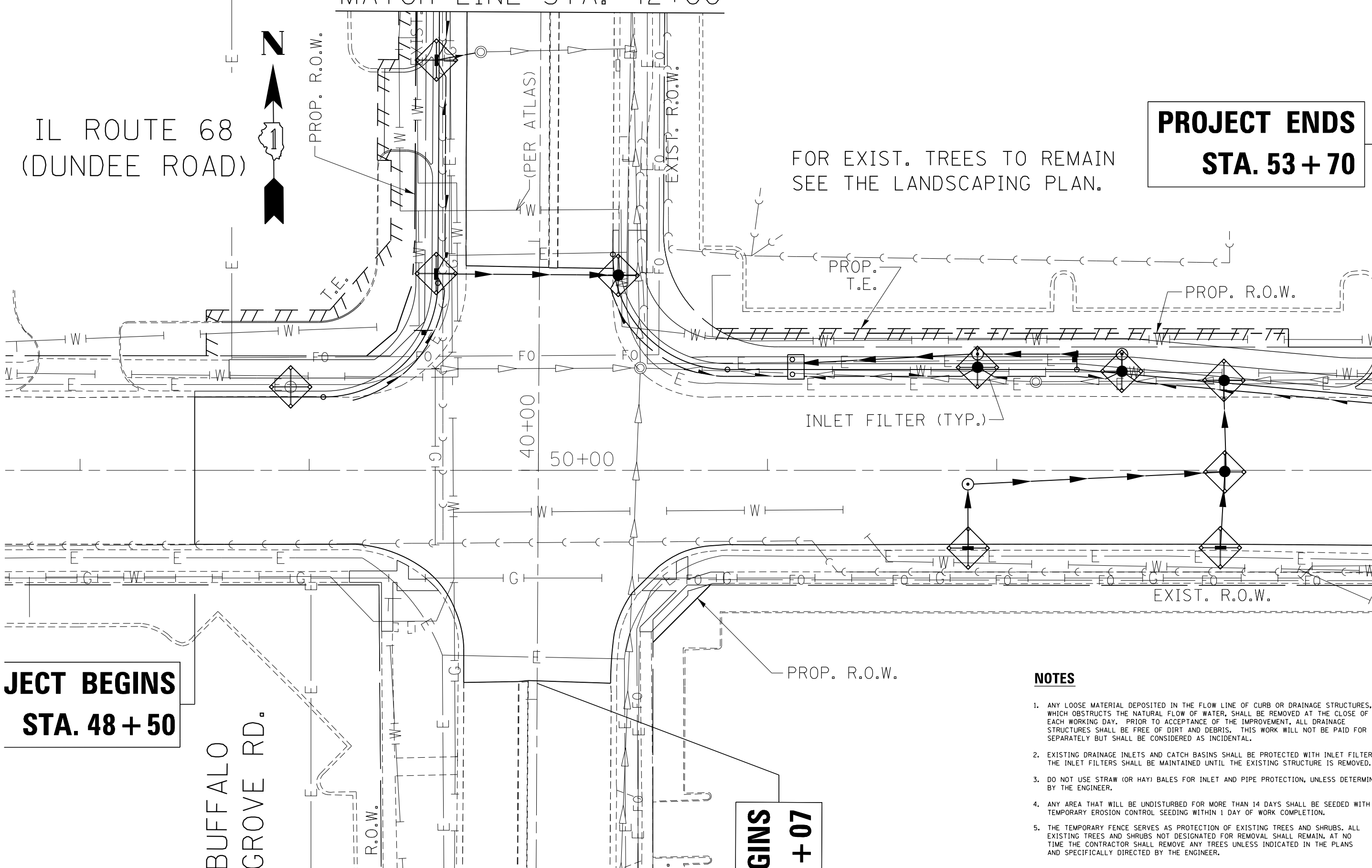
IL ROUTE 68
(DUNDEE ROAD)



MATCH LINE STA. 42+00

**PROJECT ENDS
STA. 53+70**

FOR EXIST. TREES TO REMAIN
SEE THE LANDSCAPING PLAN.



**PROJECT BEGINS
STA. 48+50**

BUFFALO
GROVE RD.

**GINNS
53+07**

NOTES

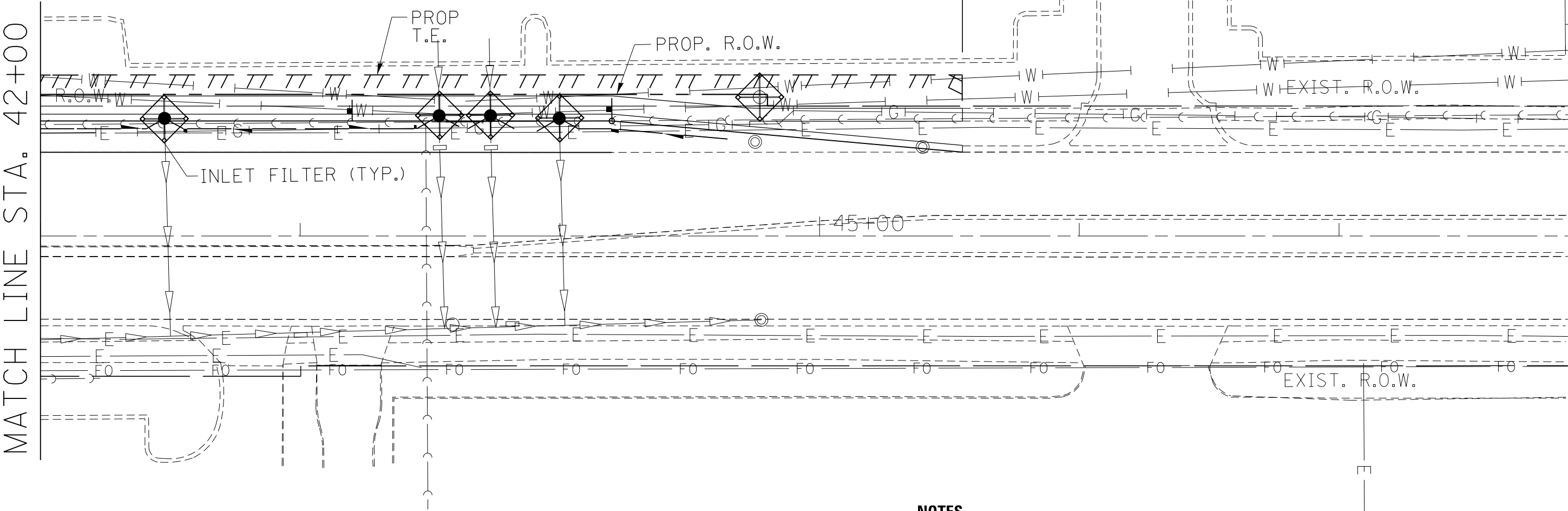
1. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
2. EXISTING DRAINAGE INLETS AND CATCH BASINS SHALL BE PROTECTED WITH INLET FILTERS. THE INLET FILTERS SHALL BE MAINTAINED UNTIL THE EXISTING STRUCTURE IS REMOVED.
3. DO NOT USE STRAW (OR HAY) BALES FOR INLET AND PIPE PROTECTION, UNLESS DETERMINED BY THE ENGINEER.
4. ANY AREA THAT WILL BE UNDISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDED WITH TEMPORARY EROSION CONTROL SEEDING WITHIN 1 DAY OF WORK COMPLETION.
5. THE TEMPORARY FENCE SERVES AS PROTECTION OF EXISTING TREES AND SHRUBS. ALL EXISTING TREES AND SHRUBS NOT DESIGNATED FOR REMOVAL SHALL REMAIN. AT NO TIME THE CONTRACTOR SHALL REMOVE ANY TREES UNLESS INDICATED IN THE PLANS AND SPECIFICALLY DIRECTED BY THE ENGINEER.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PLAN IL. ROUTE 68 AT BUFFALO GROVE ROAD	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI24712\Drawings\CADsheets\PI24712-shr-eros.dgn	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			343	3041N-2(12)	COOK	102	25	
Default	PLOT DATE = 5/13/2016	DATE -	REVISED -			CONTRACT NO. 60V98					
						SCALE: 1"=20'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

**PROJECT ENDS
STA. 45 + 55**

BUFFALO GROVE RD.

FOR EXIST. TREES TO REMAIN
SEE THE LANDSCAPING PLAN.



NOTES

1. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR 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.
2. EXISTING DRAINAGE INLETS AND CATCH BASINS SHALL BE PROTECTED WITH INLET FILTERS. THE INLET FILTERS SHALL BE MAINTAINED UNTIL THE EXISTING STRUCTURE IS REMOVED.
3. DO NOT USE STRAW (OR HAY) BALES FOR INLET AND PIPE PROTECTION, UNLESS DETERMINED BY THE ENGINEER.
4. ANY AREA THAT WILL BE UNDISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDING WITH TEMPORARY EROSION CONTROL SEEDING WITHIN 1 DAY OF WORK COMPLETION.
5. THE TEMPORARY FENCE SERVES AS PROTECTION OF EXISTING TREES AND SHRUBS. ALL EXISTING TREES AND SHRUBS NOT DESIGNATED FOR REMOVAL SHALL REMAIN. AT NO TIME THE CONTRACTOR SHALL REMOVE ANY TREES UNLESS INDICATED IN THE PLANS AND SPECIFICALLY DIRECTED BY THE ENGINEER.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
p:\1\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI24712\Drawings\CADsheets\PI24712-shr-eros.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

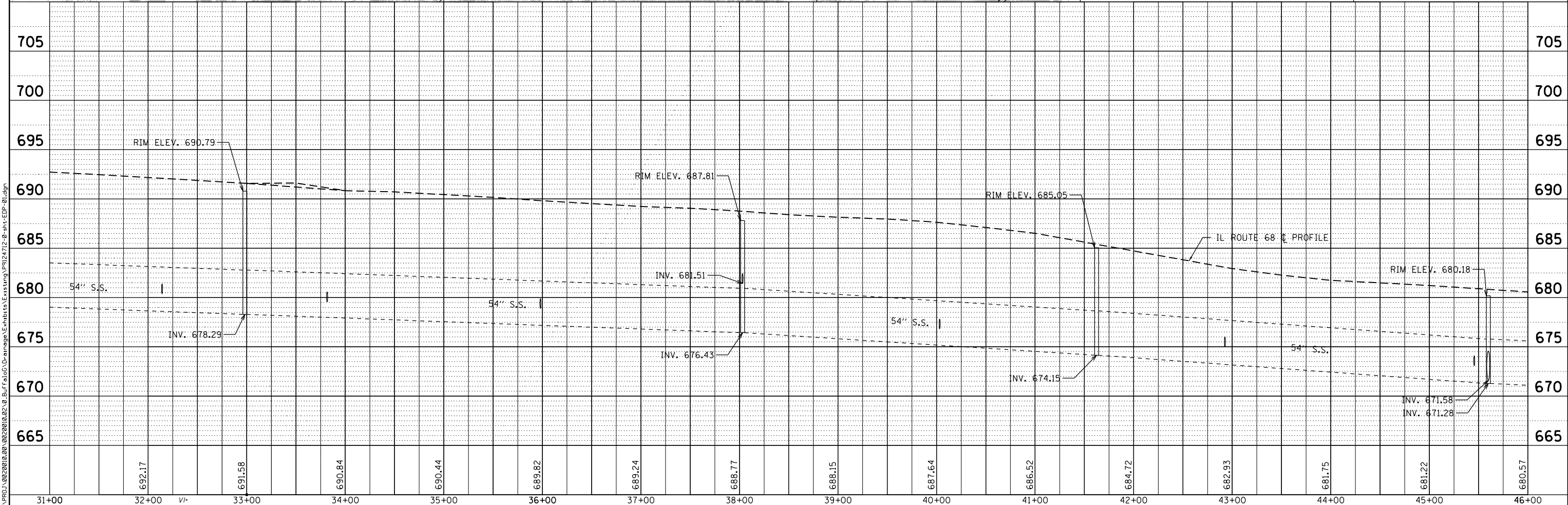
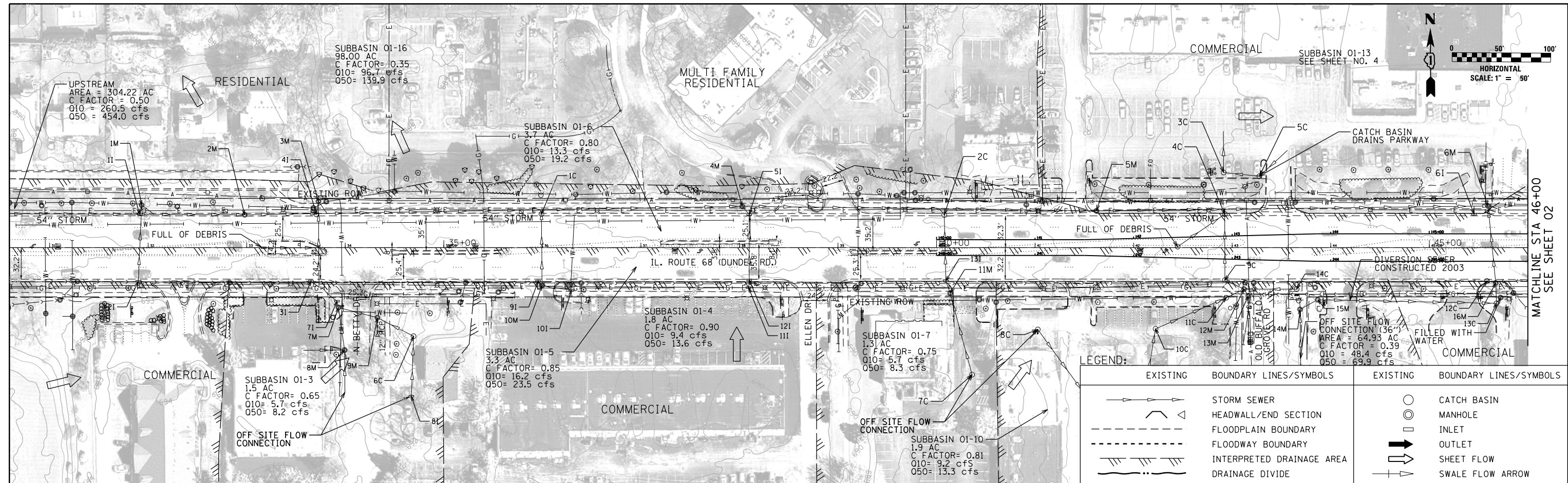
**EROSION AND SEDIMENT CONTROL PLAN
IL. ROUTE 68 AT BUFFALO GROVE ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	26
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	CHECKED
	NOTED
	FILED
	NO.

DATE	
BY	
PROFILE	SURVEYED
	GRADES
	CHECKED
	STRUCTURE
	NOTATIONS
	CHKD
	NO.



31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00	45+00	46+00
	692.17	691.58	690.84	690.44	689.82	689.24	688.77	688.15	687.64	686.52	684.72	682.93	681.75	681.22	680.57

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jperkins	DESIGNED -	REVISED -
DRAWN - JLP	REVISIONS -	
CHECKED - TJP	REVISIONS -	
DATE - MAY 2014	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

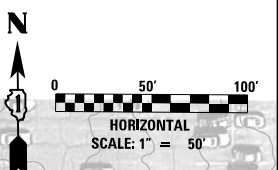
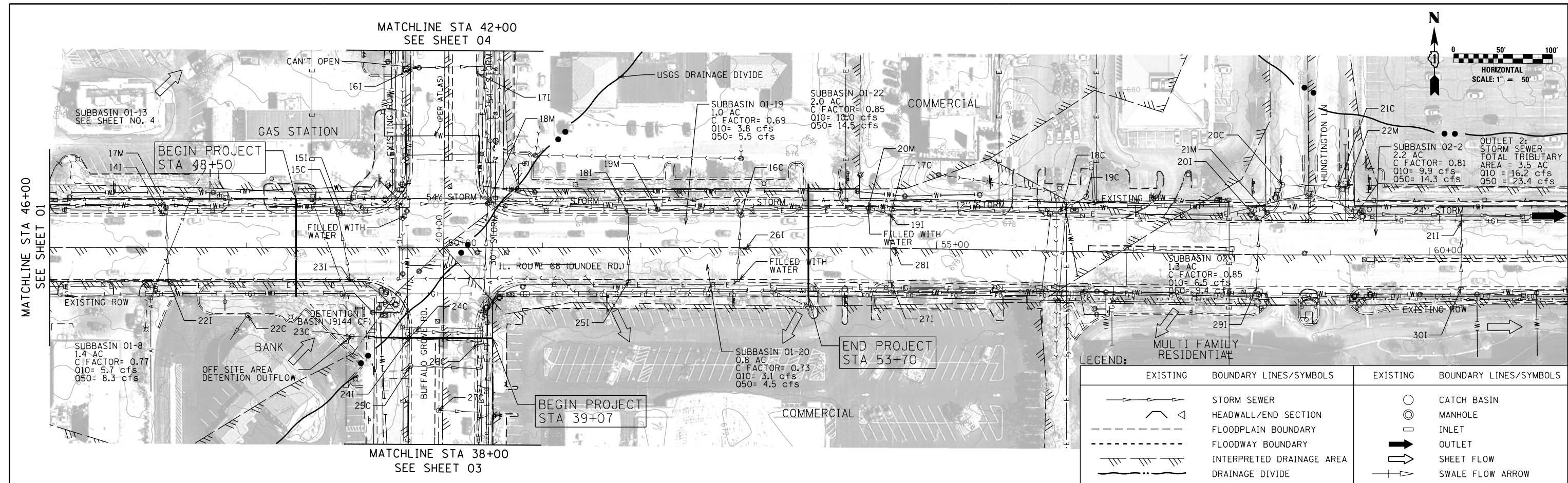
IL 68 (DUNDEE RD) AT BUFFALO GROVE ROAD
EXHIBIT 1-00B
EXISTING DRAINAGE PLAN

SCALE: 1" = 50' SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 343	SECTION 3041N-2 (12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 27
CONTRACT NO. 60V98			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT	

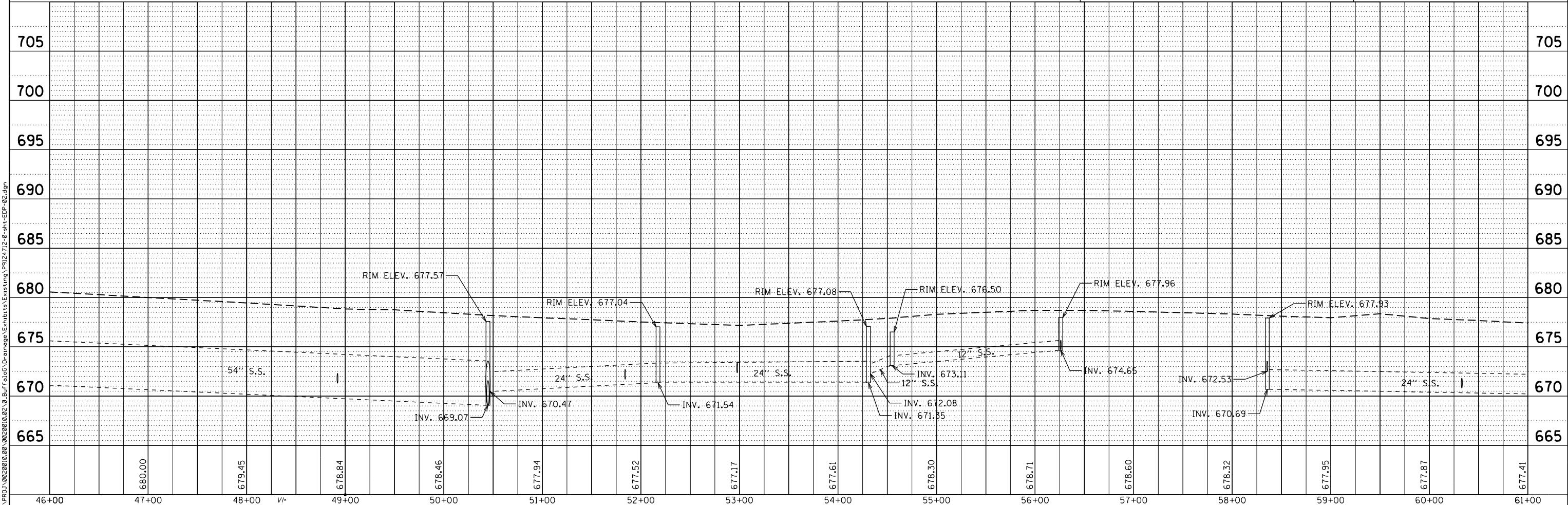
DATE	
BY	
PLAN	SUBMITTED
	PLOTTED
	ALIGNED
	CHECKED
	NOTED
	FILED
	NO.

DATE	
BY	
PROFILE	SUBMITTED
	PLOTTED
	GRADES
	CHECKED
	STRUCTURE
	NOTED
	FILED
	NO.



LEGEND:

EXISTING	BOUNDARY LINES/SYMBOLS	EXISTING	BOUNDARY LINES/SYMBOLS
	STORM SEWER		CATCH BASIN
	HEADWALL/END SECTION		MANHOLE
	FLOODPLAIN BOUNDARY		INLET
	FLOODWAY BOUNDARY		OUTLET
	INTERPRETED DRAINAGE AREA		SHEET FLOW
	DRAINAGE DIVIDE		SWALE FLOW ARROW



46+00	47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00	57+00	58+00	59+00	60+00	61+00
	680.00	679.45	678.84	678.46	677.94	677.52	677.17	677.61	678.30	678.71	678.60	678.32	677.95	677.87	677.41

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4099 Fax 773.775.4014

USER NAME = jperkins	DESIGNED -	REVISED -
DRAWN - JP	REVISIONS -	
PLLOT SCALE = 100.0000' / in.	CHECKED - TP	REVISED -
PLLOT DATE = 7/11/2014	DATE - MAY 2014	REVISED -

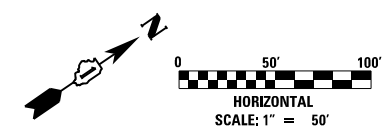
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 68 (DUNDEE RD) AT BUFFALO GROVE ROAD
EXHIBIT 1-00B
EXISTING DRAINAGE PLAN**

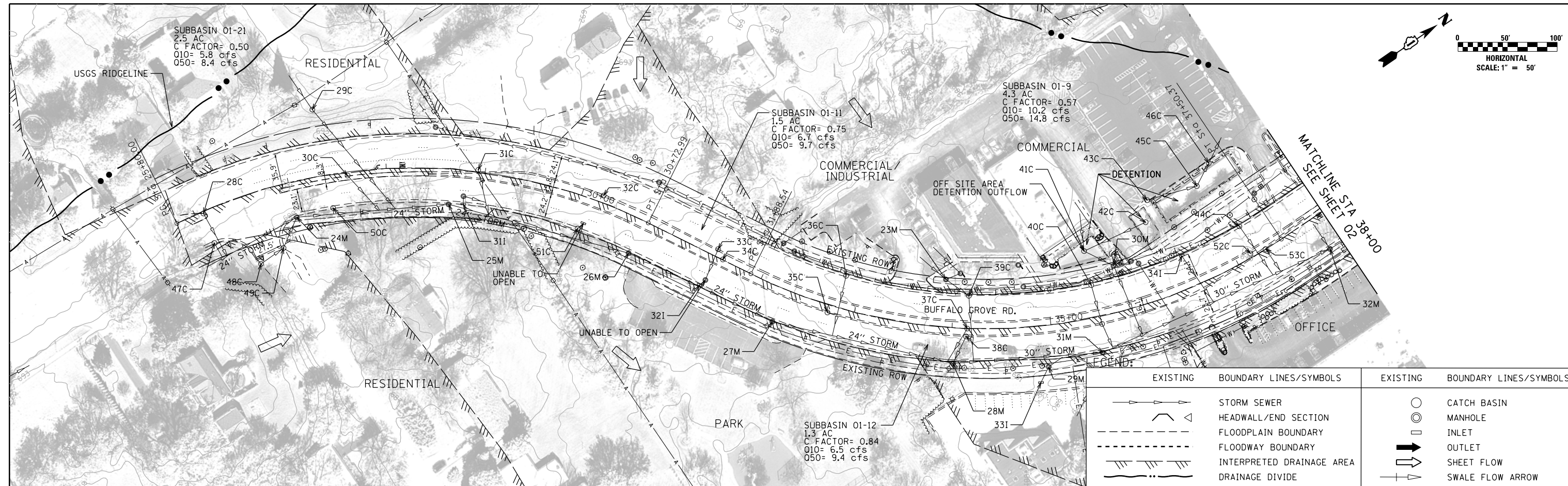
SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	28
CONTRACT NO.			60V98	
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

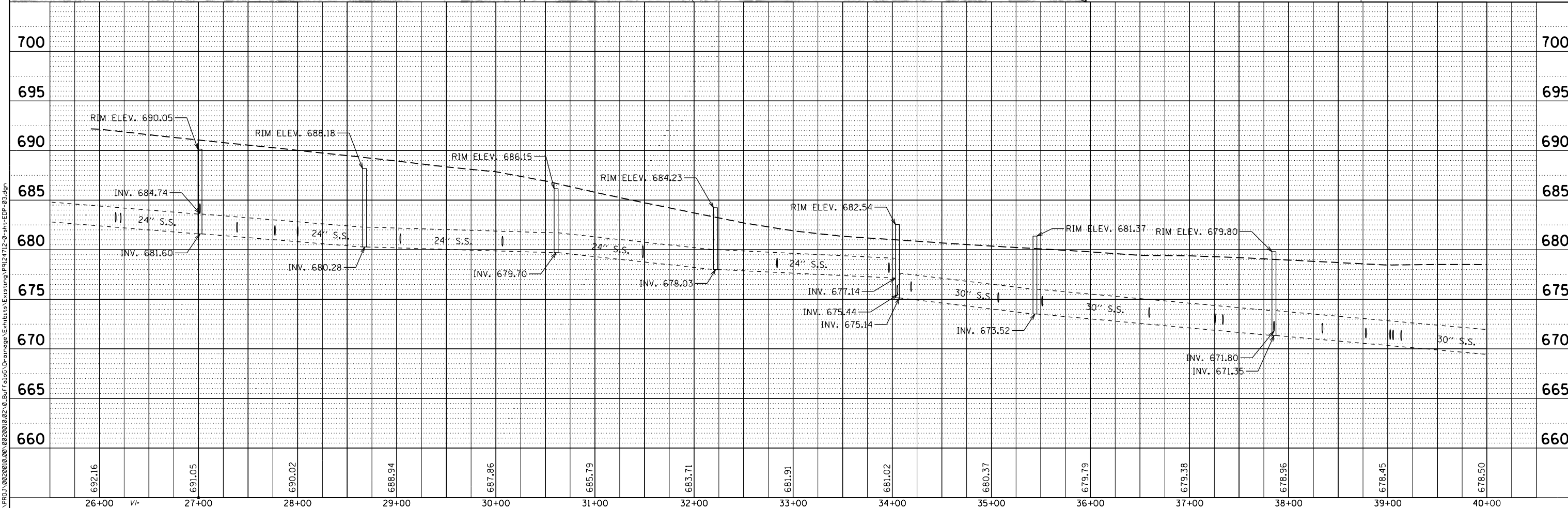
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DATE	BY
PLAN	SURVEYED
NOTE BOOK	ALIGNED
NO.	CHECKED
	FILE NAME



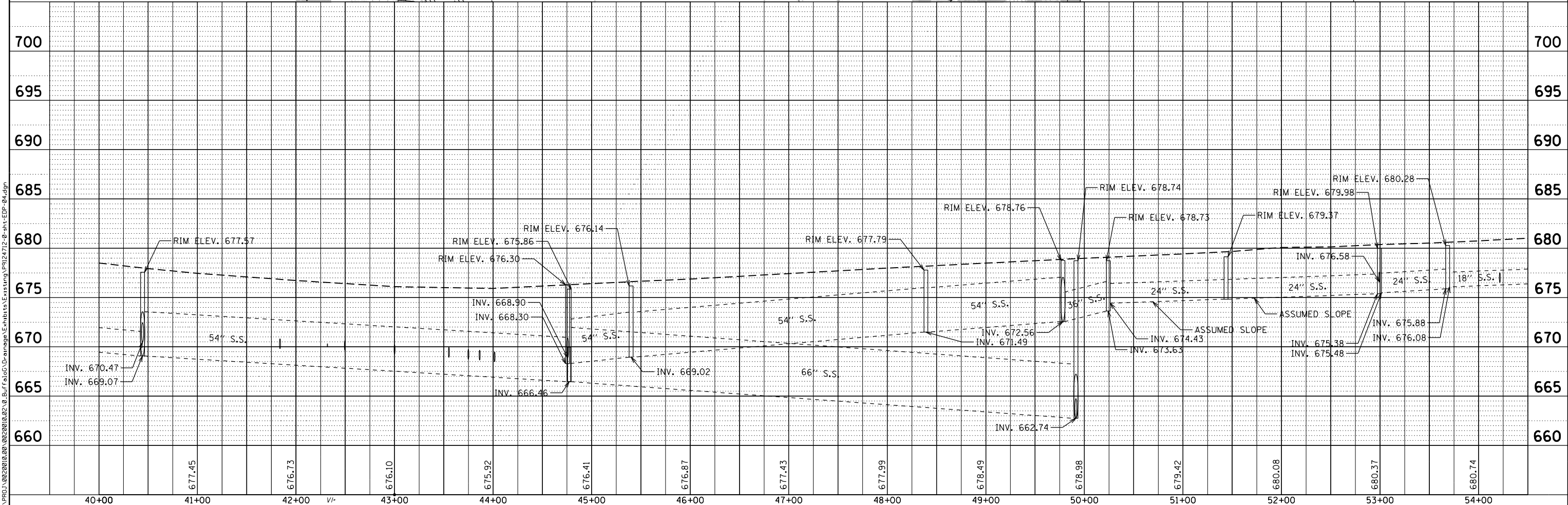
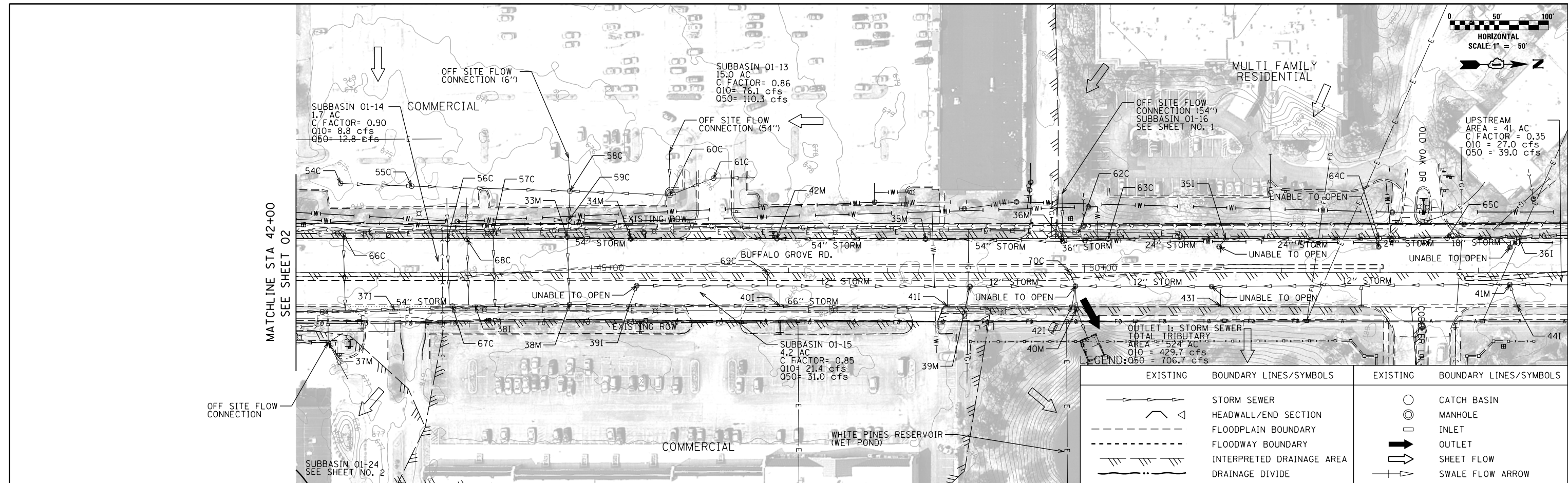
DATE	BY
PROFILE	SURVEYED
NOTE BOOK	GRADES CHECKED
NO.	STRUCTURE NOTATIONS OK'D

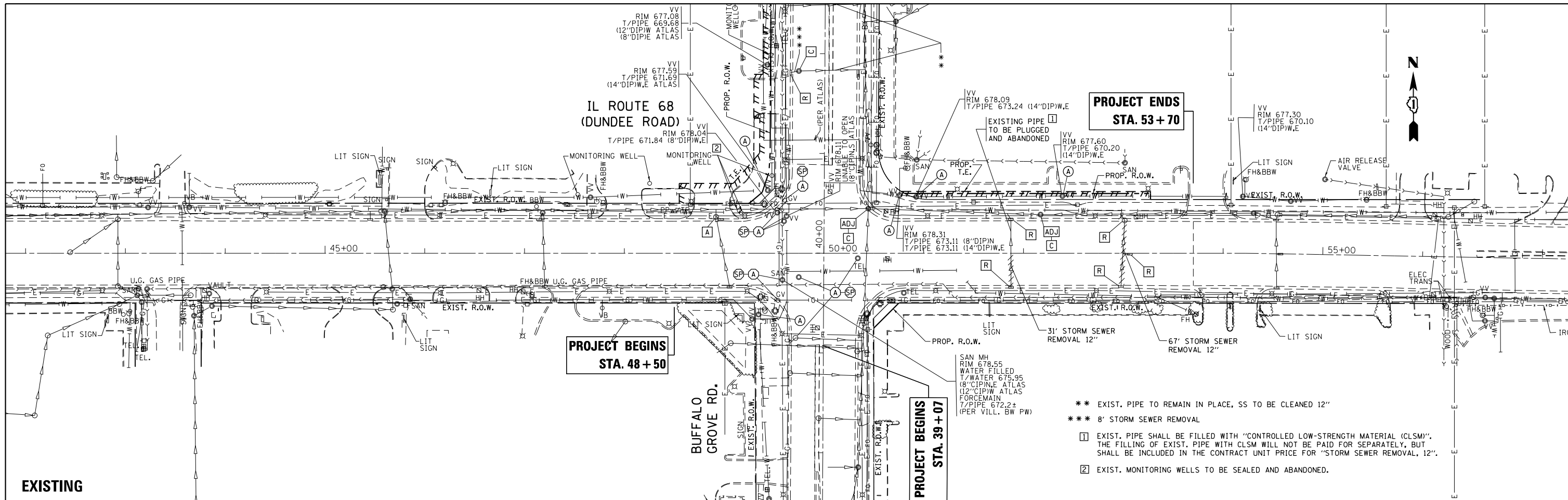


Ciorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4009 Fax 773.775.4014	USER NAME = jperkins	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 68 (DUNDEE RD) AT BUFFALO GROVE ROAD EXHIBIT 1-00B EXISTING DRAINAGE PLAN			F.A.P. RTE. 343	SECTION 3041N-2 (12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 29
	PLOT SCALE = 100.0000' / in.	CHECKED - TJP	REVISED -		CONTRACT NO. 60V98							
	PLOT DATE = 7/11/2014	DATE - MAY 2014	REVISED -		FED. ROAD DIST. NO. - ILLINOIS	FED. AID PROJECT						
					SCALE: 1" = 50'	SHEET NO. 3 OF 5 SHEETS	STA.	TO STA.				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKO	
	NO. _____	
	FILE NAME	





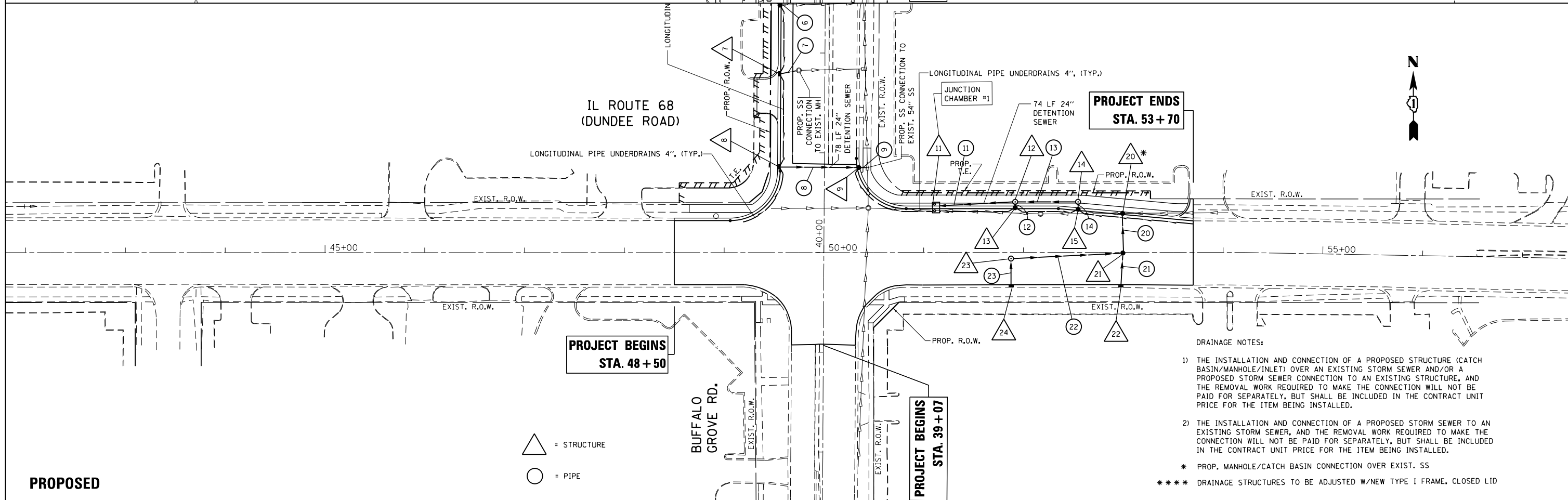
**PROJECT ENDS
STA. 53+70**

**PROJECT BEGINS
STA. 48+50**

**PROJECT BEGINS
STA. 39+07**

- ** EXIST. PIPE TO REMAIN IN PLACE, SS TO BE CLEANED 12"
- *** 8' STORM SEWER REMOVAL
- 1 EXIST. PIPE SHALL BE FILLED WITH "CONTROLLED LOW-STRENGTH MATERIAL (CLSM)". THE FILLING OF EXIST. PIPE WITH CLSM WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "STORM SEWER REMOVAL, 12".
- 2 EXIST. MONITORING WELLS TO BE SEALED AND ABANDONED.

EXISTING



**PROJECT ENDS
STA. 53+70**

**PROJECT BEGINS
STA. 48+50**

**PROJECT BEGINS
STA. 39+07**

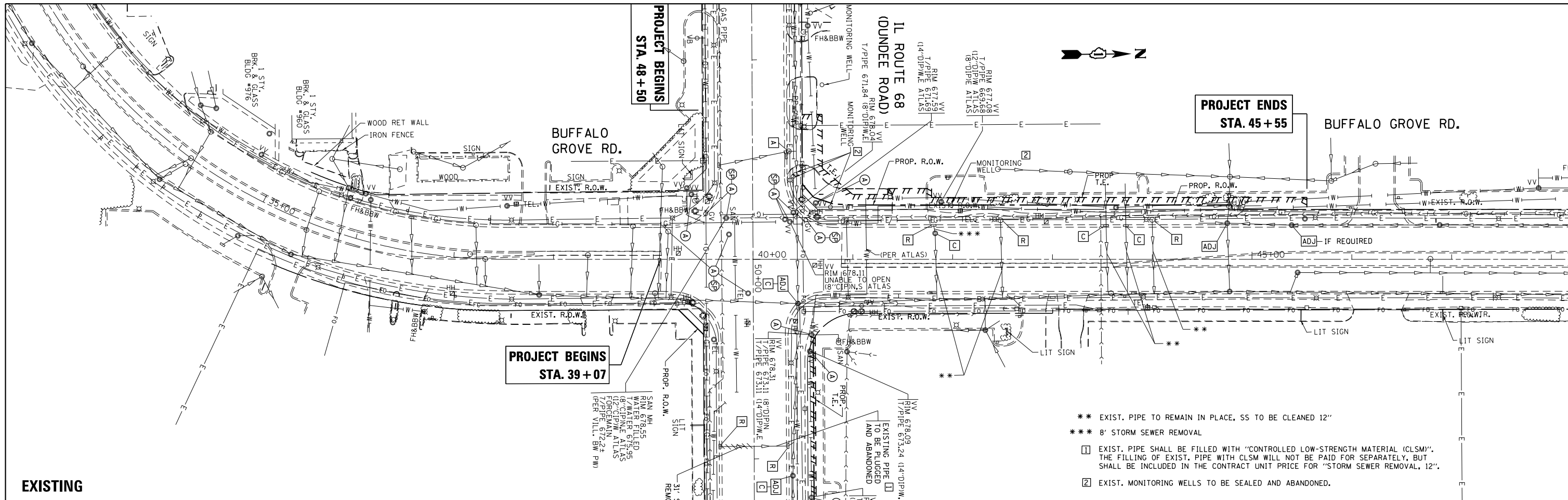
- DRAINAGE NOTES:**
- 1) THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
 - 2) THE INSTALLATION AND CONNECTION OF A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
- * PROP. MANHOLE/CATCH BASIN CONNECTION OVER EXIST. SS
 - *** DRAINAGE STRUCTURES TO BE ADJUSTED W/NEW TYPE I FRAME, CLOSED LID

△ = STRUCTURE
○ = PIPE

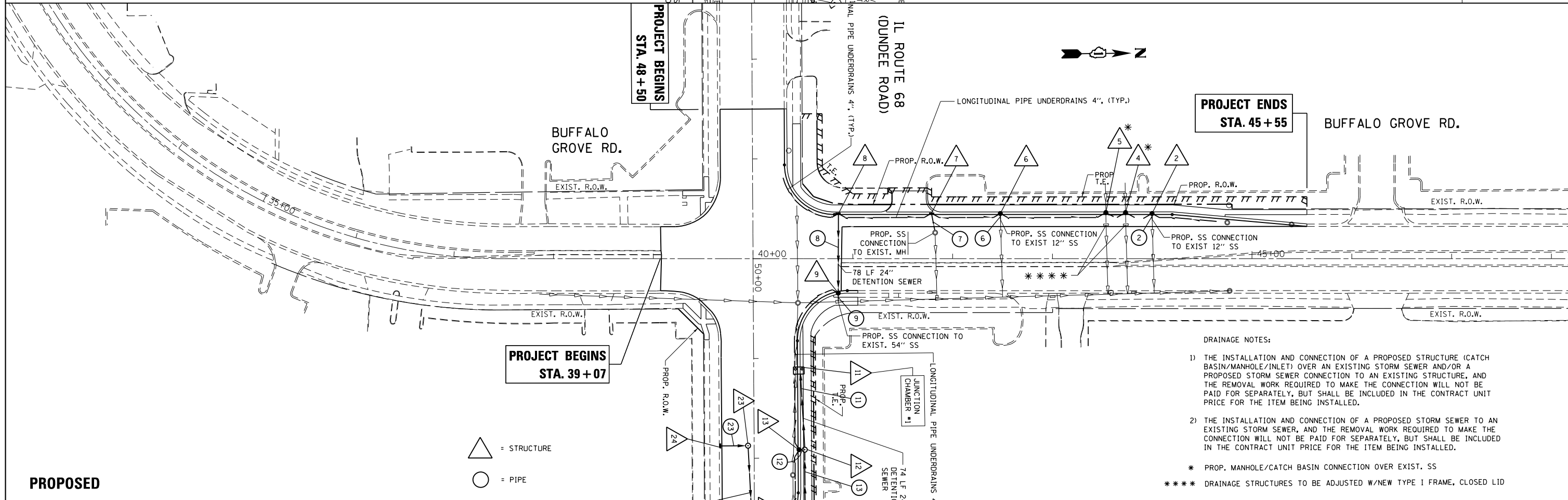
PROPOSED

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PLAN IL. ROUTE 68 (DUNDEE RD.) AT BUFFALO GROVE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI24712\Drawings\CAD\Sheets\PI24712-shd-drain.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			343	3041N-2(12)	COOK	102	32
Default	PLOT DATE = 5/13/2016	DATE -	REVISED -			CONTRACT NO. 60V98				

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT



- ** EXIST. PIPE TO REMAIN IN PLACE, SS TO BE CLEANED 12"
- *** 8" STORM SEWER REMOVAL
- ① EXIST. PIPE SHALL BE FILLED WITH "CONTROLLED LOW-STRENGTH MATERIAL (CLSM)". THE FILLING OF EXIST. PIPE WITH CLSM WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "STORM SEWER REMOVAL, 12".
- ② EXIST. MONITORING WELLS TO BE SEALED AND ABANDONED.



- DRAINAGE NOTES:**
- 1) THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
 - 2) THE INSTALLATION AND CONNECTION OF A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
- * PROP. MANHOLE/CATCH BASIN CONNECTION OVER EXIST. SS
 - *** DRAINAGE STRUCTURES TO BE ADJUSTED W/NEW TYPE I FRAME, CLOSED LID

△ = STRUCTURE
○ = PIPE

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PLAN IL. ROUTE 68 (DUNDEE RD.) AT BUFFALO GROVE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\PI24712\Drawings\CAD\Sheets\PI24712-shd-drain.dwg		CHECKED -	REVISED -			343	3041N-2(12)	COOK	102	33
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 60V98				
Default		PLOT DATE = 5/13/2016	REVISED -			ILLINOIS FED. AID PROJECT				

△ = STRUCTURE

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION ^[1]	INVERT ELEVATION					STRUCTURE TYPE
				NORTH	SOUTH	WEST	EAST	UNDERDRAIN	
2	43+99.8	45.3 LT	675.23				671.77	672.90	CATCH BASIN, TYPE C, TYPE 24 FRAME AND GRATE
4	43+73.3	46.3 LT	675.38			MATCH EX 12" SS INV = 671.5±	673.05	673.05	CATCH BASIN, TYPE A, 4'-DIA, TYPE 3 FRAME AND GRATE
5	43+53.5	46.3 LT	675.29			MATCH EX 12" SS INV = 671.8±	672.96	672.96	CATCH BASIN, TYPE A, 4'-DIA, TYPE 3 FRAME AND GRATE
6	42+47.8	45.3 LT	675.64				672.62	673.31	CATCH BASIN, TYPE C, TYPE 24 FRAME AND GRATE
7	47+78.7	45.3 LT	676.23				673.52	673.90	INLET, TYPE A, TYPE 24 FRAME AND GRATE
8	40+85.4	45.3 LT	677.25				672.91	674.92	INLET, TYPE A, TYPE 24 FRAME AND GRATE
9	40+85.4	33.8 RT	677.13			672.56	672.57	674.80	CATCH BASIN, TYPE A, 4'-DIA, TYPE 24 FRAME AND GRATE
			678.0±		671.00		671.00		
11	51+12.4	45 LT	677.2±	671.00		MATCH EX 24" SS INV = 670.8±	674.69	674.69	JUNCTION CHAMBER #1
12	51+91.7	50.7 LT	677.2± ^[2]		672.37	671.37	672.12		MANHOLE, TYPE A, 4'-DIA, TYPE 1 FRAME, CLOSED LID ^[3]
13	51+91.7	45.0 LT	676.62	672.62				674.29	CATCH BASIN, TYPE C, TYPE 24 FRAME AND GRATE
14	52+54.7	50.7 LT	677.1± ^[2]		672.72	672.47			MANHOLE, TYPE A, 4'-DIA, TYPE 1 FRAME, CLOSED LID ^[3]
15	52+54.7	43.2 LT	676.33	672.74				674.00	CATCH BASIN, TYPE C, TYPE 24 FRAME AND GRATE
20	53+00.0	39.6 LT	676.23		672.26	MATCH EX 24" SS INV = 671.5±			CATCH BASIN, TYPE A, 5'-DIA, TYPE 3 FRAME AND GRATE
21	52+99.5	0.5 RT	677.17	672.49	672.74	672.49			CATCH BASIN, TYPE A, 4'-DIA, TYPE 1 FRAME, OPEN LID
22	52+97.6	34.3 RT	676.39	673.06					INLET, TYPE A, TYPE 3 FRAME AND GRATE
23	51+87.4	6.1 RT	677.43		673.10		672.85		CATCH BASIN, TYPE A, 4'-DIA, TYPE 1 FRAME, CLOSED LID
24	51+87.5	34.3 RT	676.55	673.22					INLET, TYPE A, TYPE 24 FRAME AND GRATE

[1] = FOR STRUCTURES LOCATED WITHIN THE CURB, RIM ELEVATIONS ARE GIVEN AT THE EDGE OF PAVEMENT.
 [2] = RIM ELEVATION TO MATCH THE SURFACE OF THE SHARED-USE PATH.

[3] = USE ECCENTRIC CONE. TURN CONE SO THAT LID IS CLOSE TO THE SOUTH EDGE OF THE SHARED-USE PATH.

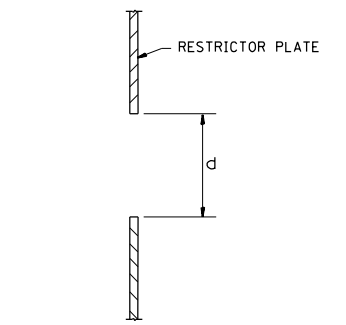
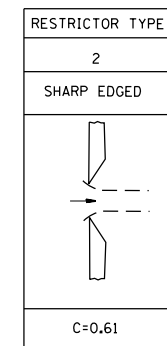
○ = PIPE

PIPE NUMBER	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	DESCRIPTION	LENGTH ^[4] (FT)	DIAMETER (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CU YD)
2	2	EX 12" SS	STORM SEWER, CLASS A, TYPE 2	3	12	0.67	671.77	671.75	1
6	6	EX 12" SS	STORM SEWER, CLASS A, TYPE 2	3	12	0.67	672.62	672.60	1
7	7	EX SS MH	STORM SEWER, CLASS A, TYPE 2	18	12	0.50	673.52	673.43	1
8	8	9	STORM SEWER (WATER MAIN REQUIREMENTS)	78	24	0.44	672.91	672.56	13
9	9	EX 54" SS	STORM SEWER (WATER MAIN REQUIREMENTS)	8	12	0.50	672.57	CONNECT TO EX 54" SS	2
11	12	JUNCTION CHAMBER #1	STORM SEWER (WATER MAIN REQUIREMENTS)	74.4	24	0.50	671.37	671.00	48
12	13	12	STORM SEWER, CLASS A, TYPE 2	3	12	8.33	672.62	672.37	1
13	14	12	STORM SEWER (WATER MAIN REQUIREMENTS)	59	15	0.58	672.47	672.12	15
14	15	14	STORM SEWER, CLASS A, TYPE 2	5	12	0.40	672.74	672.72	1
20	21	20	STORM SEWER, CLASS A, TYPE 2	38	15	0.58	672.49	672.27	7
21	22	21	STORM SEWER, CLASS A, TYPE 2	31	12	1.02	673.06	672.74	4.5
22	23	21	STORM SEWER, CLASS A, TYPE 2	108	15	0.33	672.84	672.49	23
23	24	23	STORM SEWER, CLASS A, TYPE 2	25	12	0.49	673.22	673.10	3.5

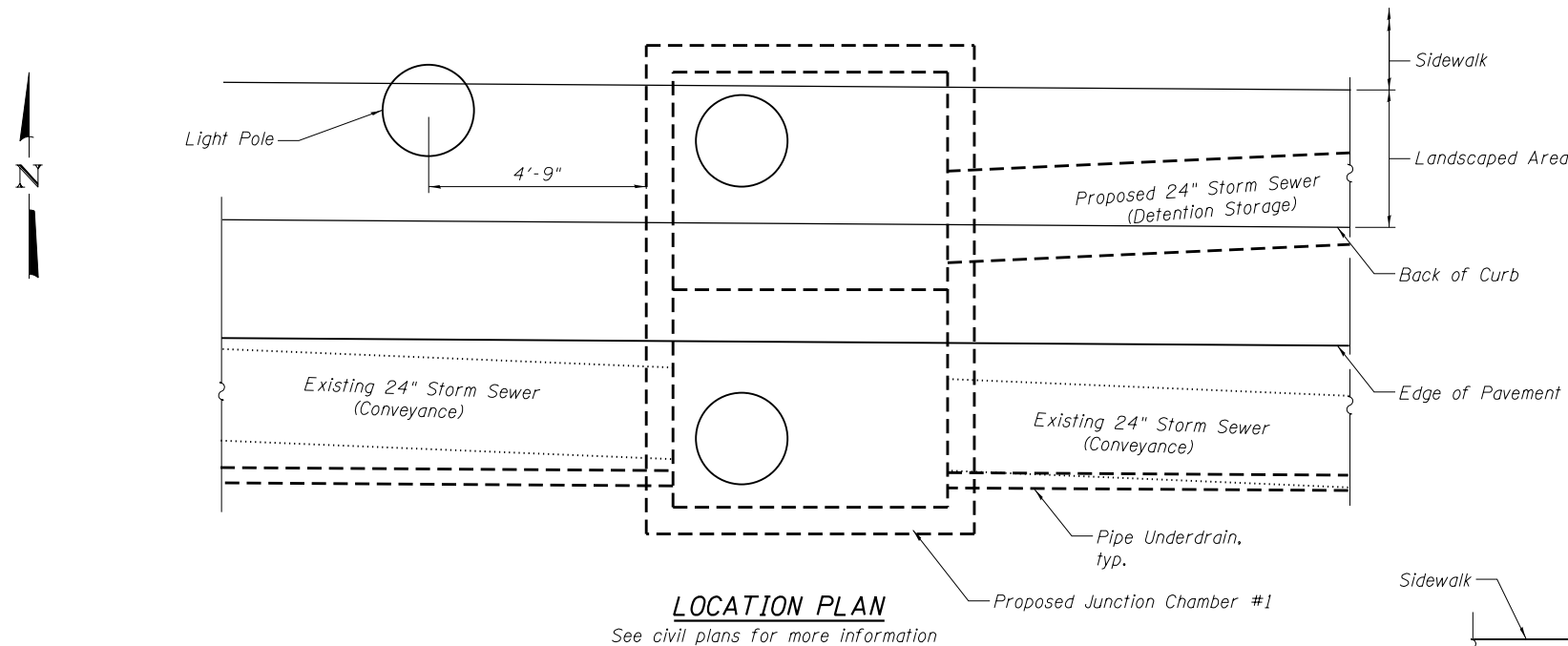
TOTAL = 121.0

[4] = PIPE LENGTHS ARE MEASURED FROM INSIDE EDGE OF STRUCTURE TO INSIDE EDGE OF STRUCTURE

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW	INFLOW (CFS)	OUTFLOW (CFS)
JUNCTION CHAMBER #1		TYPE 1	No. 2	8.0	671.00	673.57	2.44	1.29



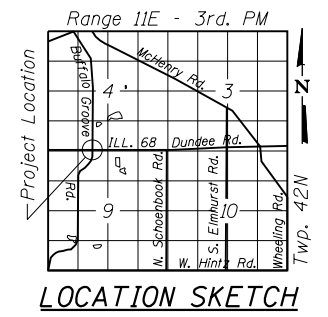
"SHARP EDGED" DETAIL



LOCATION PLAN
See civil plans for more information

INDEX OF SHEETS

- S1 General Plan and Elevation
- S2 Junction Chamber #1 - Details I
- S3 Junction Chamber #1 - Details II
- S4 Junction Chamber #1 - Restrictor Details

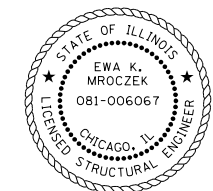


DESIGN SPECIFICATIONS
2014 AASHTO LRFD Bridge Design Specifications,
7th Edition, with 2015 Interims

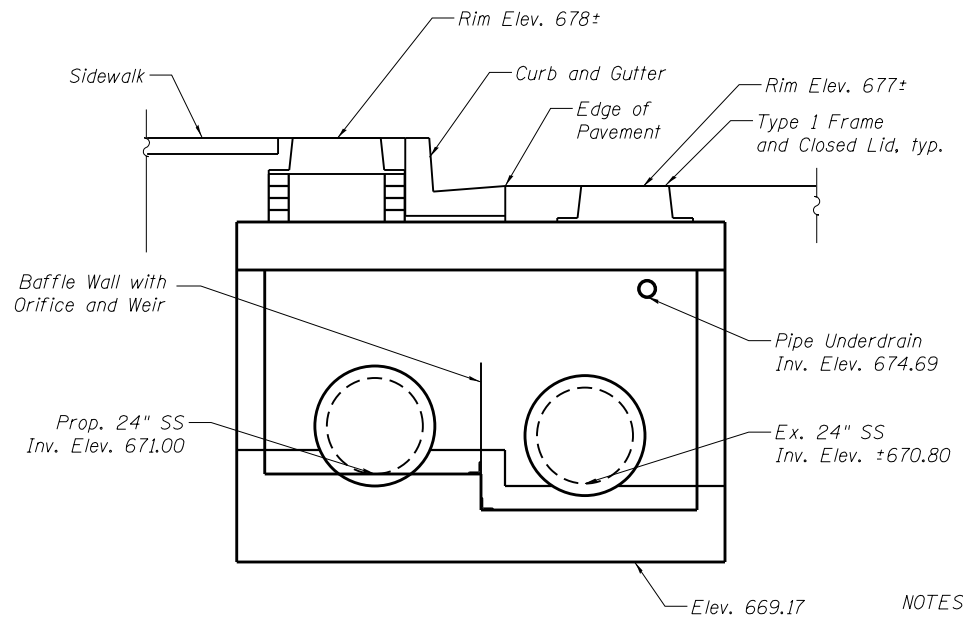
LOADING HL-93
Design Earth Cover = 1'-9"

DESIGN STRESSES
FIELD UNITS

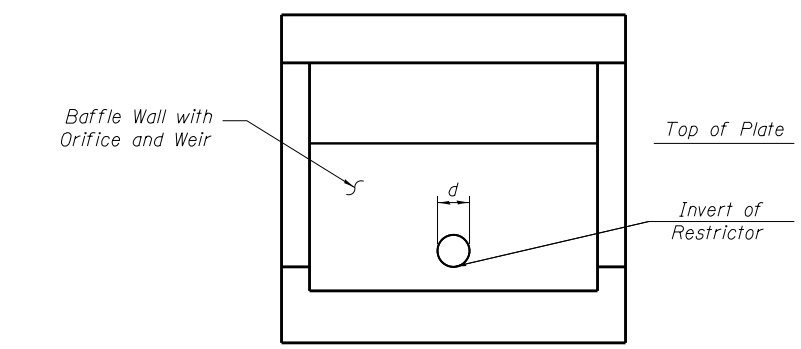
$f'c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)



COLLINS ENGINEERS, INC.
EWA MROTCZEK, P.E., S.E.
NO. 081-006067
EXP.: 11/30/2016



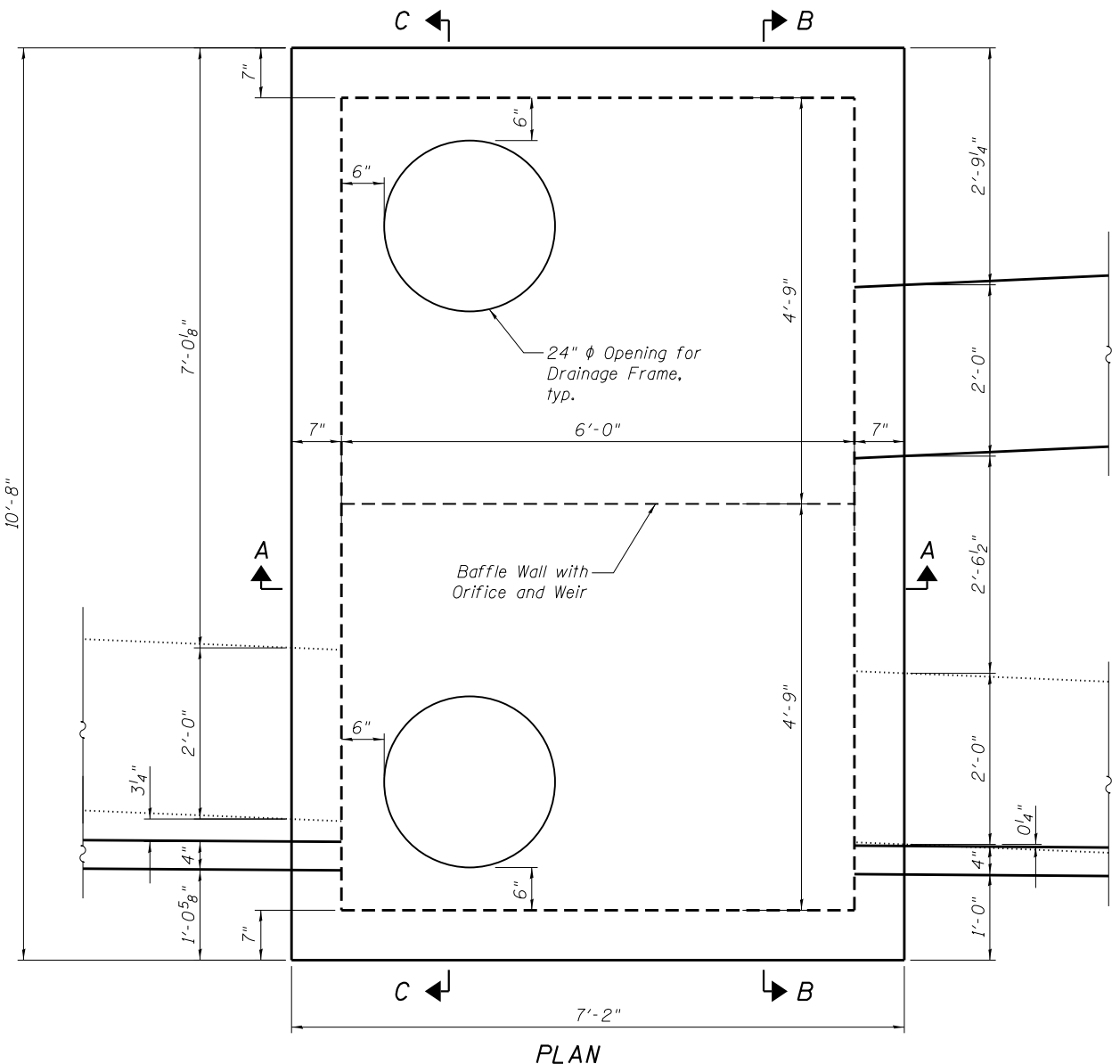
SECTION B-B



SECTION A-A

See sheet S4 for Restrictor type, elevations and other information.

- NOTES:
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Temporary earth retention system, if required, to be designed by Contractor. The cost is included with Junction Chamber #1.
 6. See sheet S2 for detailed Sections A-A, B-B & C-C.



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Junction Chamber #1	Each	1

GENERAL PLAN & ELEVATION
BUFFALO GROVE ROAD
F.A.P. RT. 343 - SEC. 304IN-2(12)
COOK COUNTY
STATION 51+12.5

COLLINS ENGINEERS, INC.
133 N. Bosker Dr.
Suite 900
Chicago, IL 60606
Tel: (312) 704-9300
Fax: (312) 704-9300
www.collinsengr.com
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000993

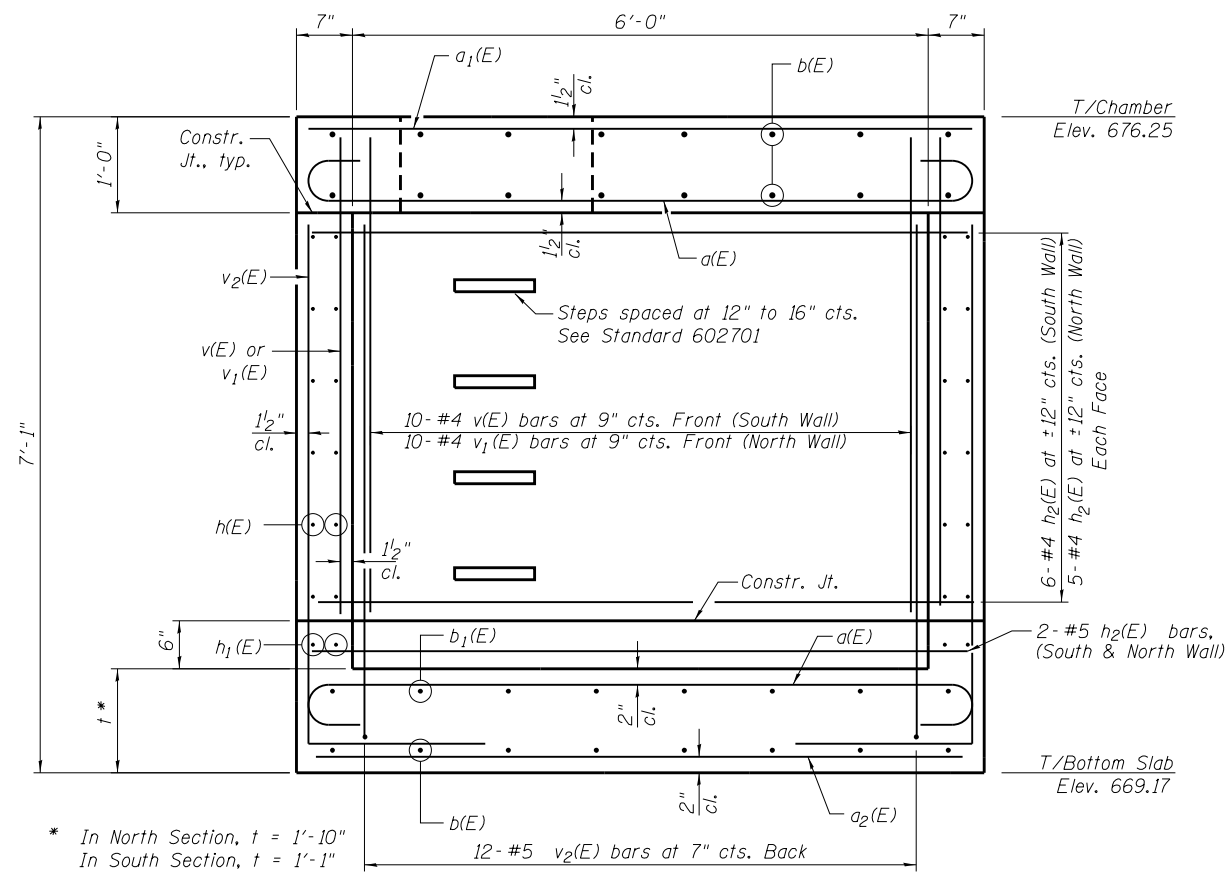
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CHECKED - EKM	REVISIONS	
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CHECKED - EKM	REVISIONS	
PLOT DATE =		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

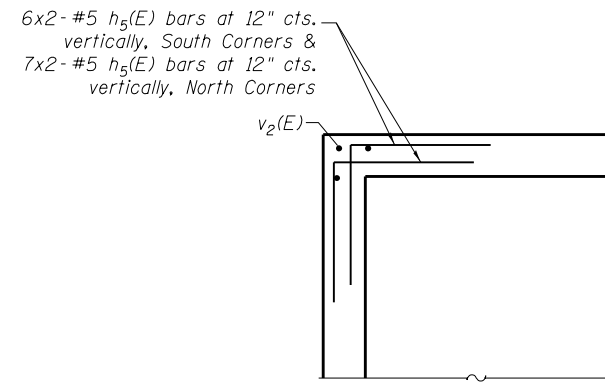
ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
GENERAL PLAN & ELEVATION - JUNCTION CHAMBER #1

SHEET NO. S1 OF S4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	304IN-2(12)	COOK	102	35
CONTRACT NO. 60V98			ILLINOIS FED. AID PROJECT	

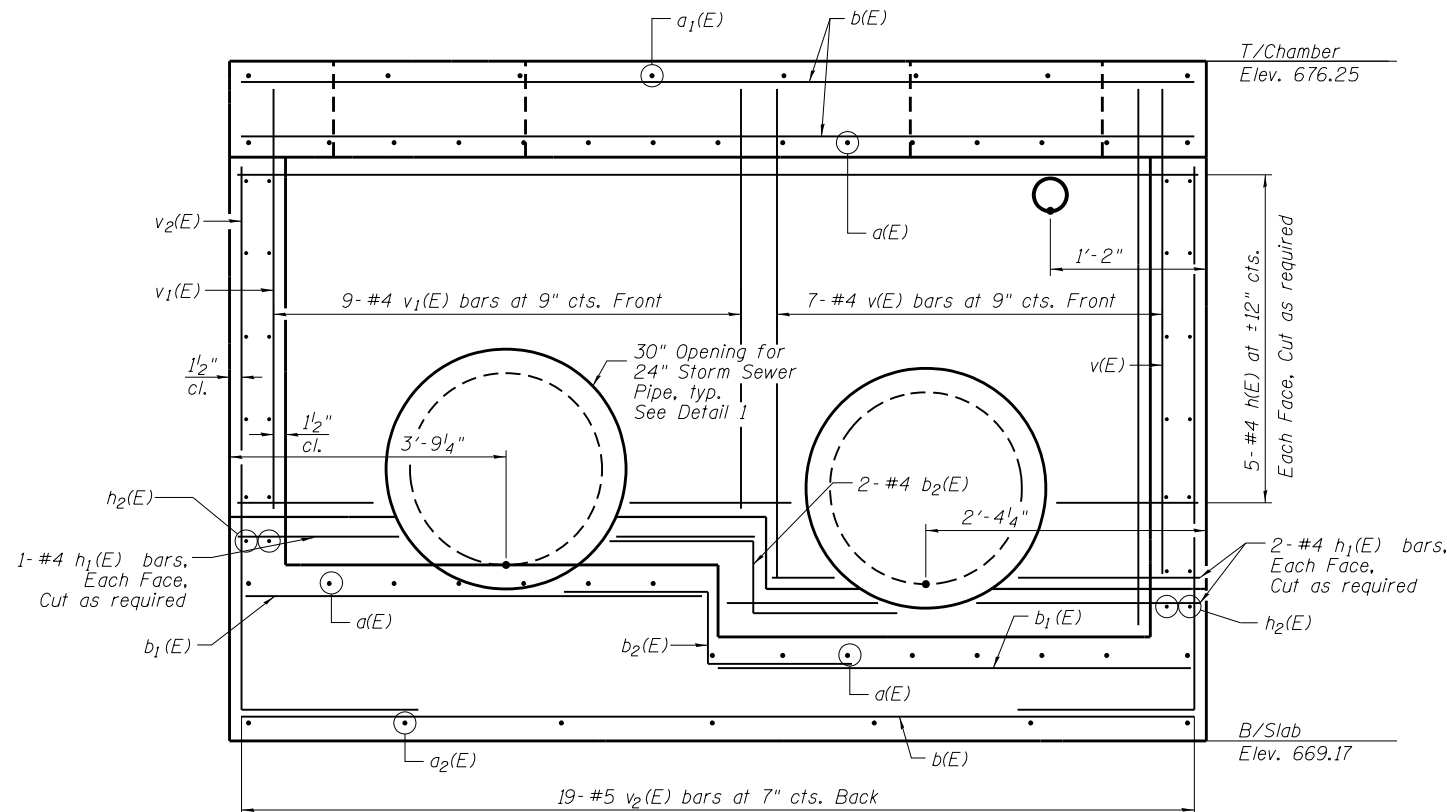


SECTION A-A

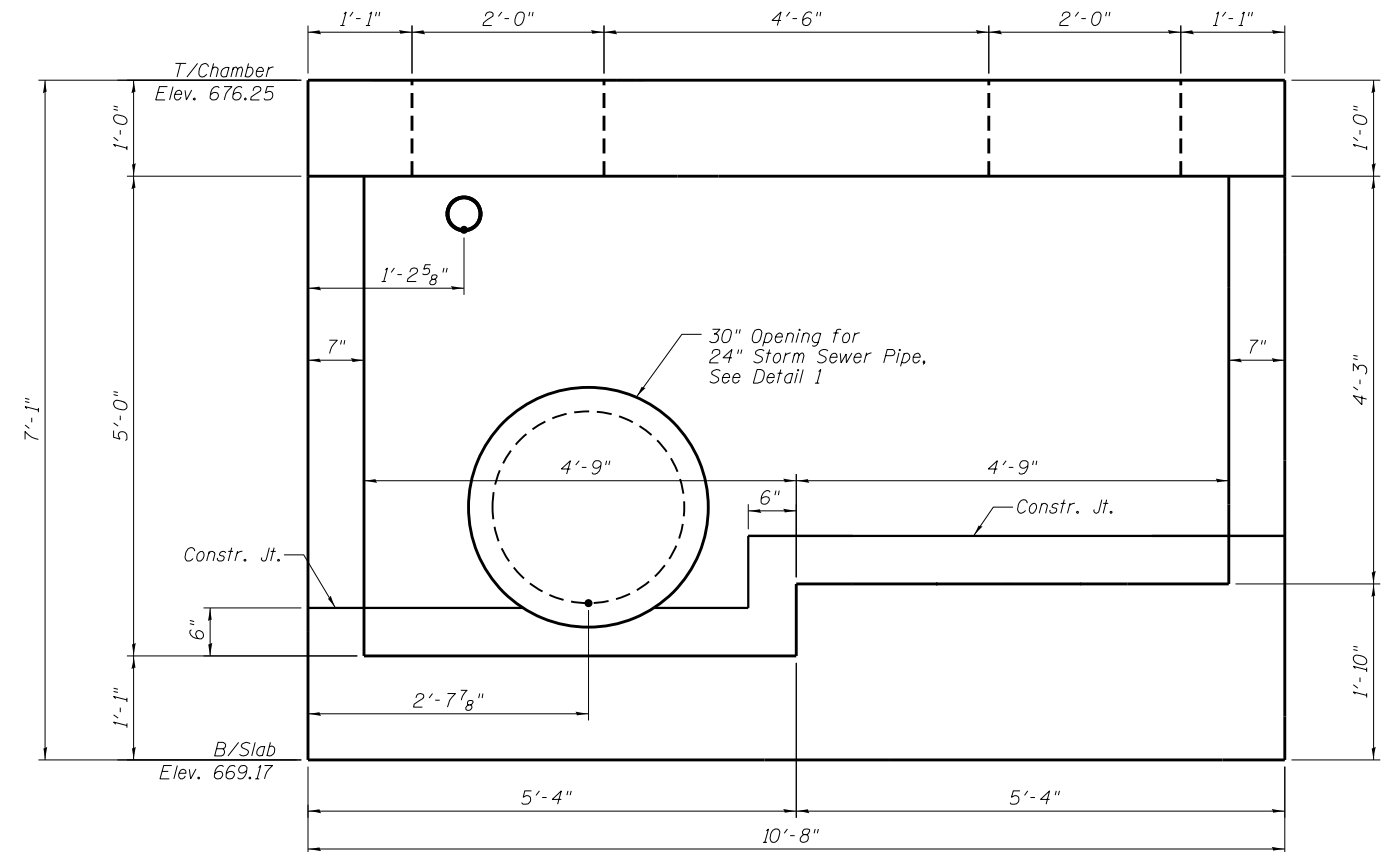


TYPICAL WALL CORNER
other bars called out elsewhere
not shown for clarity

* In North Section, $t = 1'-10''$
In South Section, $t = 1'-1''$



SECTION B-B

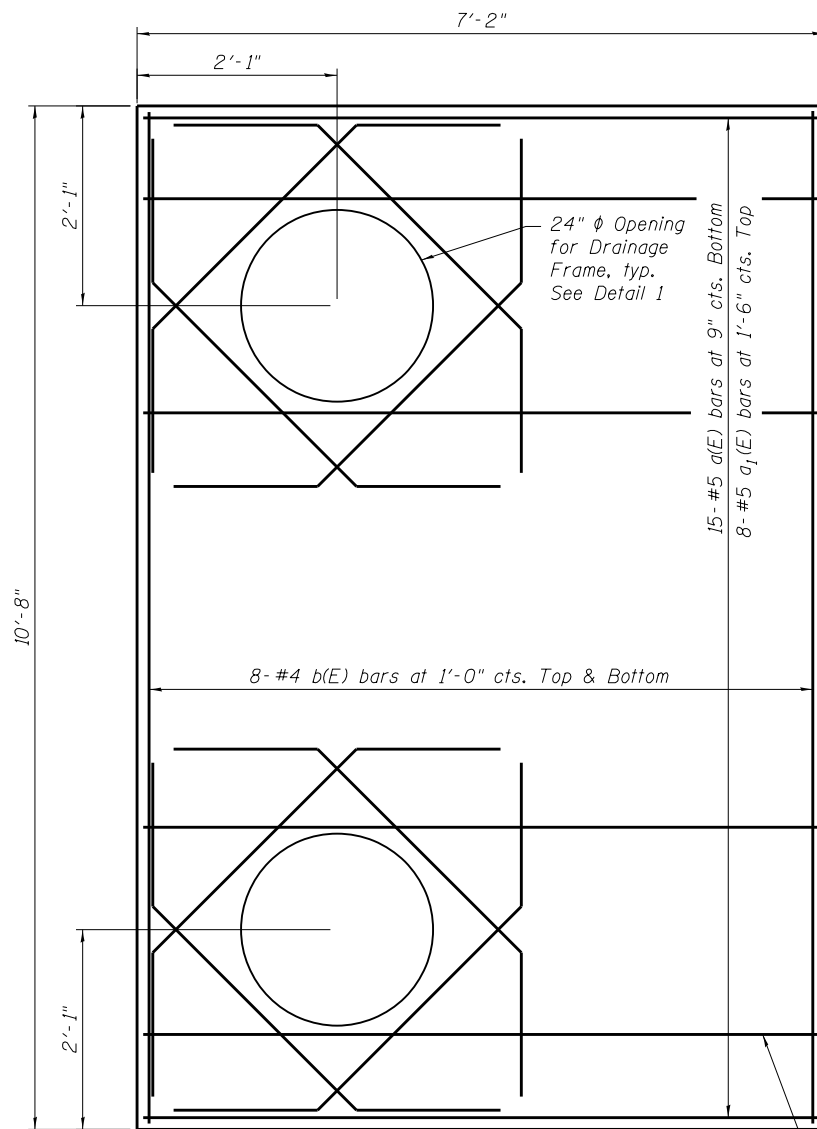


SECTION C-C

Showing Dimensions,
Reinforcement similar to Section B-B (mirror image)

USER NAME =	DESIGNED - DMM	REVISED
	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DMM	REVISED
PLOT DATE =	CHECKED - EKM	REVISED

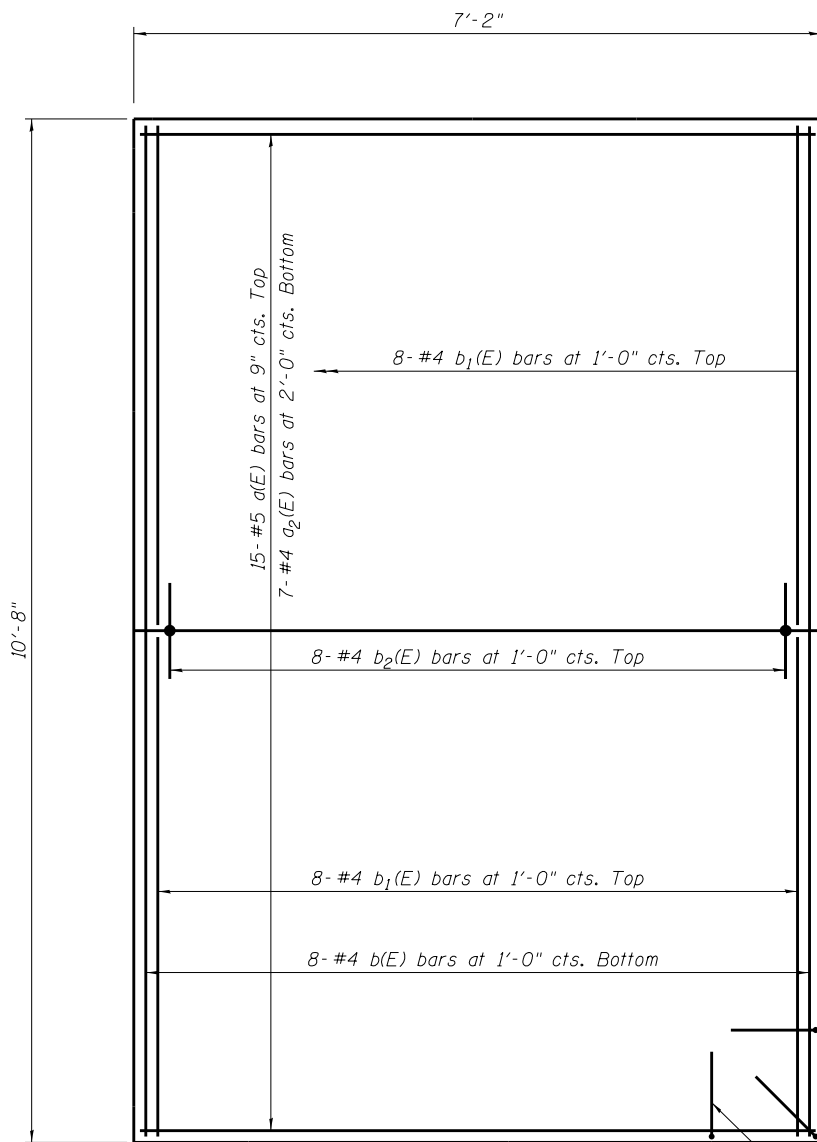
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	36
CONTRACT NO. 60V98				



PLAN - TOP SLAB

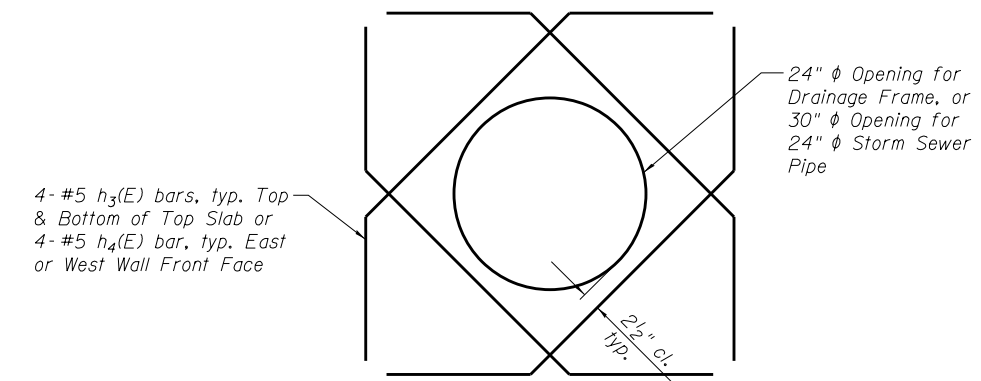
Bars a(E), a₁(E), & b(E) to be cut in field at openings as required.

1- #5 a(E) bar on each side of opening, typ.



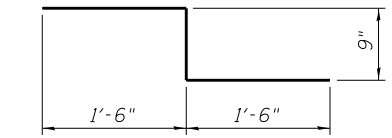
PLAN - BOTTOM SLAB

v₂(E) See Sheet S2

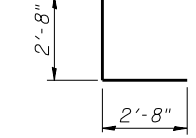


DETAIL 1

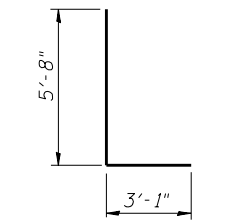
Cut longitudinal and transverse reinforcement to clear opening.



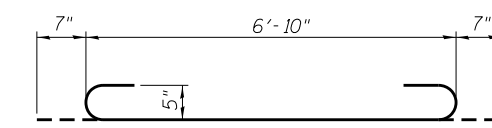
BAR b₂(E)



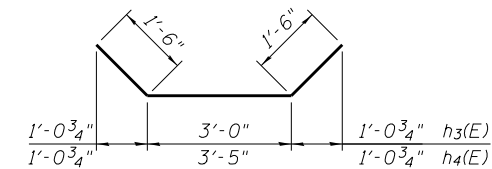
BAR h₅(E)



BAR v₂(E)



BAR a(E)



BARS h₃(E) & h₄(E)

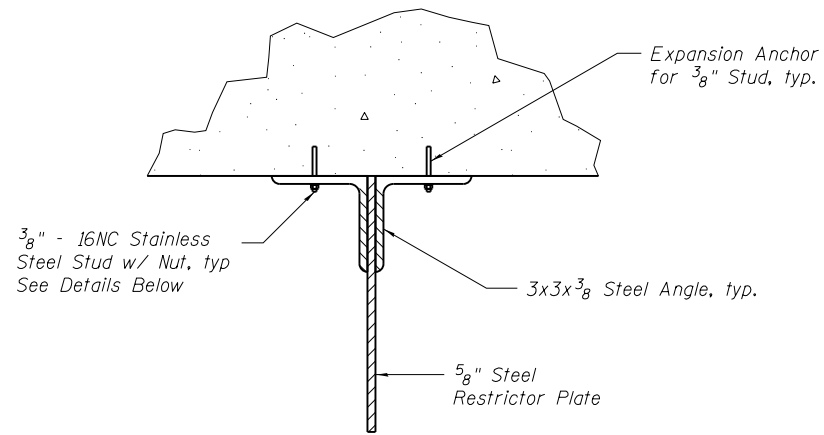
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	34	#5	8'-0"	
a ₁ (E)	8	#5	6'-10"	
a ₂ (E)	7	#4	6'-10"	
b(E)	24	#4	10'-4"	
b ₁ (E)	16	#4	5'-0"	
b ₂ (E)	12	#4	3'-9"	
h(E)	20	#4	10'-4"	
h ₁ (E)	12	#4	5'-0"	
h ₂ (E)	26	#4	6'-10"	
h ₃ (E)	16	#5	6'-0"	
h ₄ (E)	12	#5	6'-5"	
h ₅ (E)	52	#4	5'-4"	
v(E)	24	#4	5'-2"	
v ₁ (E)	28	#4	4'-5"	
v ₂ (E)	62	#5	8'-9"	
Concrete Structures			Cu. Yd.	10
Reinforcement Bars, Epoxy Coated			Pound	2,020

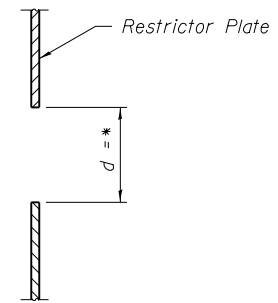
The information shown in the table above is for information only. The cost of Concrete Structures and Reinforcement Bars, Epoxy Coated is included in the cost of pay item Junction Chamber #1.

USER NAME =	DESIGNED - DMM	REVISED
	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DMM	REVISED
PLOT DATE =	CHECKED - EKM	REVISED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	37
			CONTRACT NO. 60V98	
ILLINOIS FED. AID PROJECT				



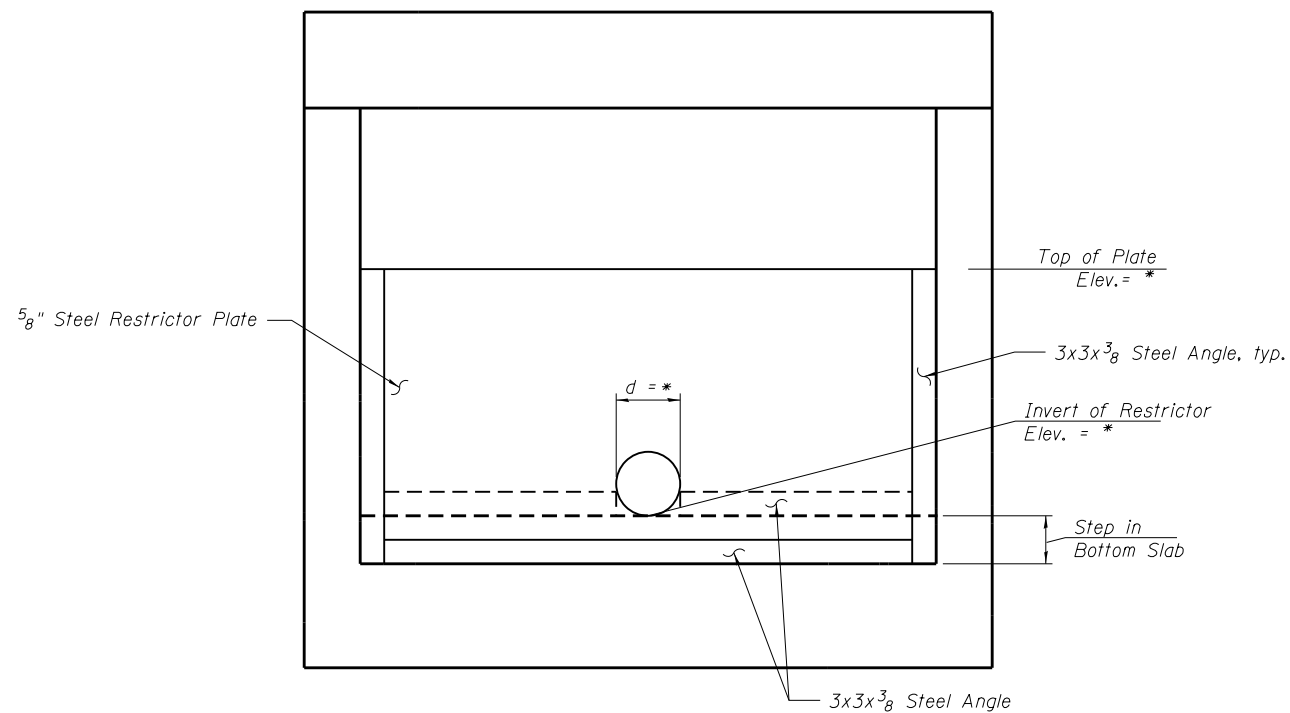
ANGLE FASTENER DETAIL



"SHARP EDGED" DETAIL

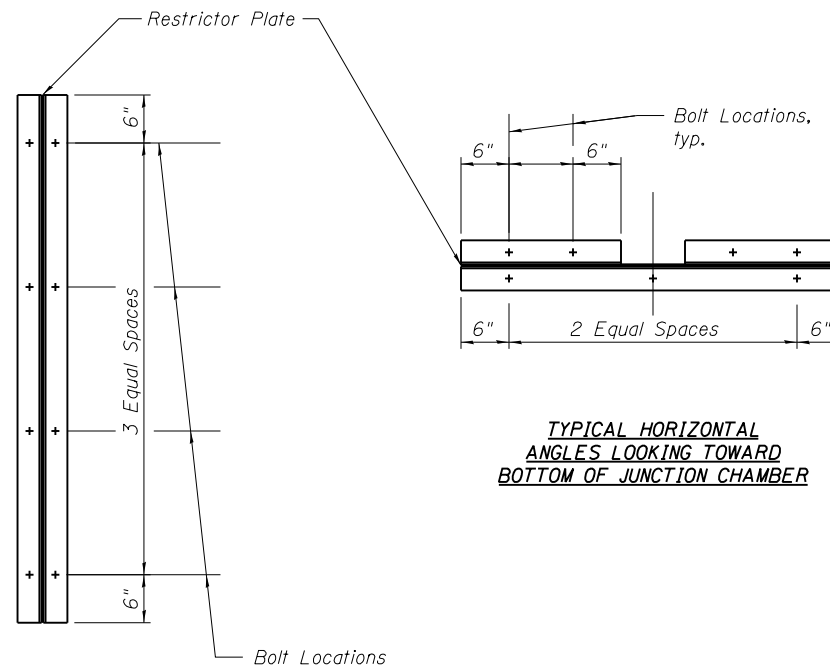
RESTRICTOR TYPE
2
SHARP EDGED
C = .61

* - See Drainage Structures and Pipe Schedule for more information



RESTRICTOR VIEW

Restrictor Type No. 2
Inflow 2.44 CFS
Outflow 1.29 CFS



TYPICAL HORIZONTAL ANGLES LOOKING TOWARD BOTTOM OF JUNCTION CHAMBER

TYPICAL VERTICAL ANGLES LOOKING TOWARD JUNCTION CHAMBER WALL

STEEL ANGLE BOLTING DETAIL

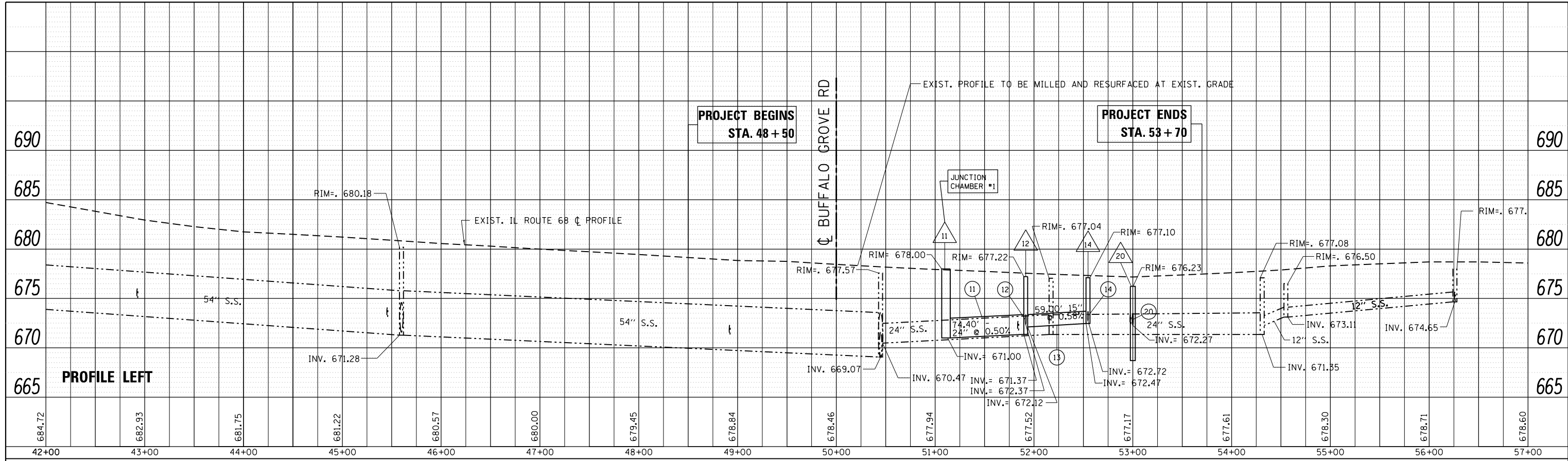
NOTES:

- Angles should be 3x3x3/8.
- Vertical angles should extend from the bottom of the restrictor plate to the top.
- Horizontal angles should extend from vertical angle to vertical angle.
- All steel angles and plates to be galvanized after fabrication.
- All restrictor plates, angles, and hardware to be included in the cost of Junction Chamber #1.

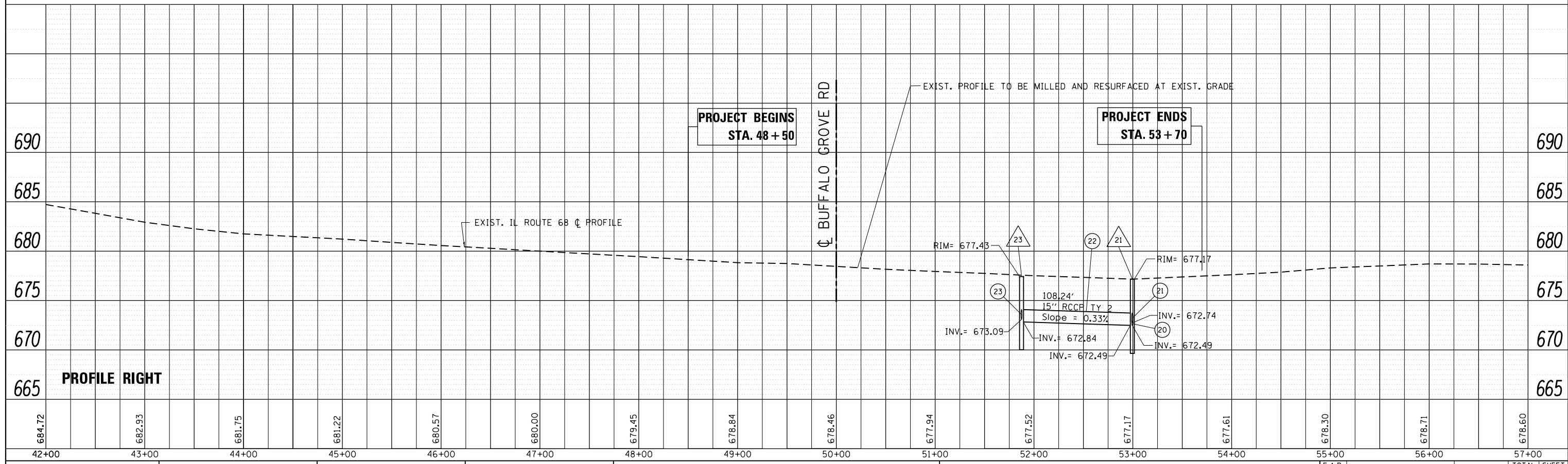
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	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DMM	REVISED
PLOT DATE =	CHECKED - EKM	REVISED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	38
CONTRACT NO. 60V98				

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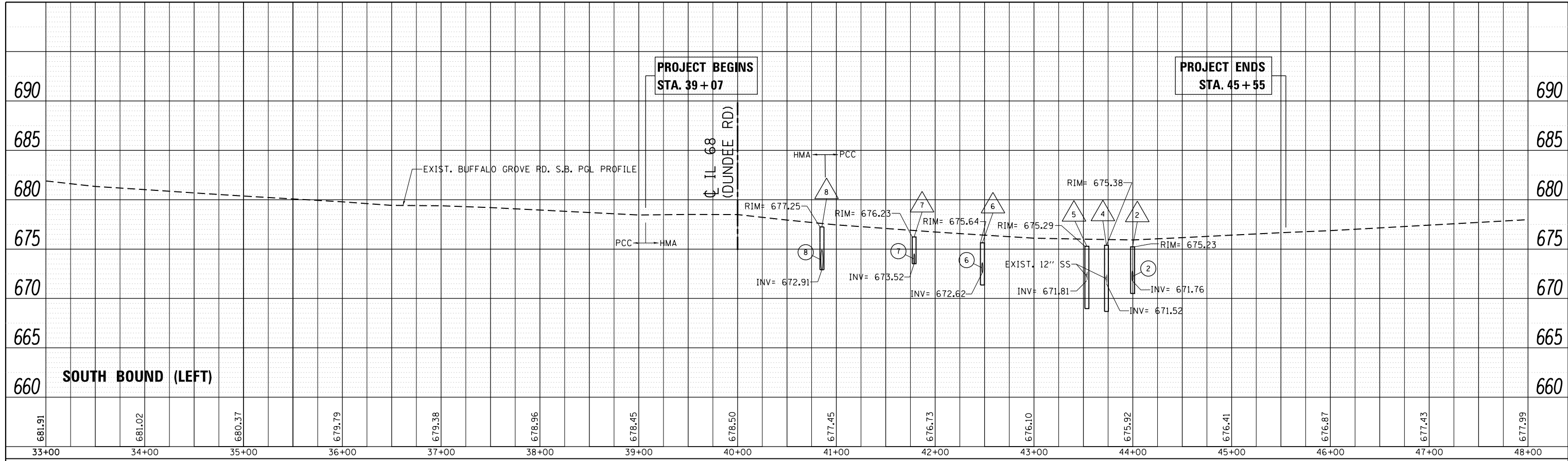


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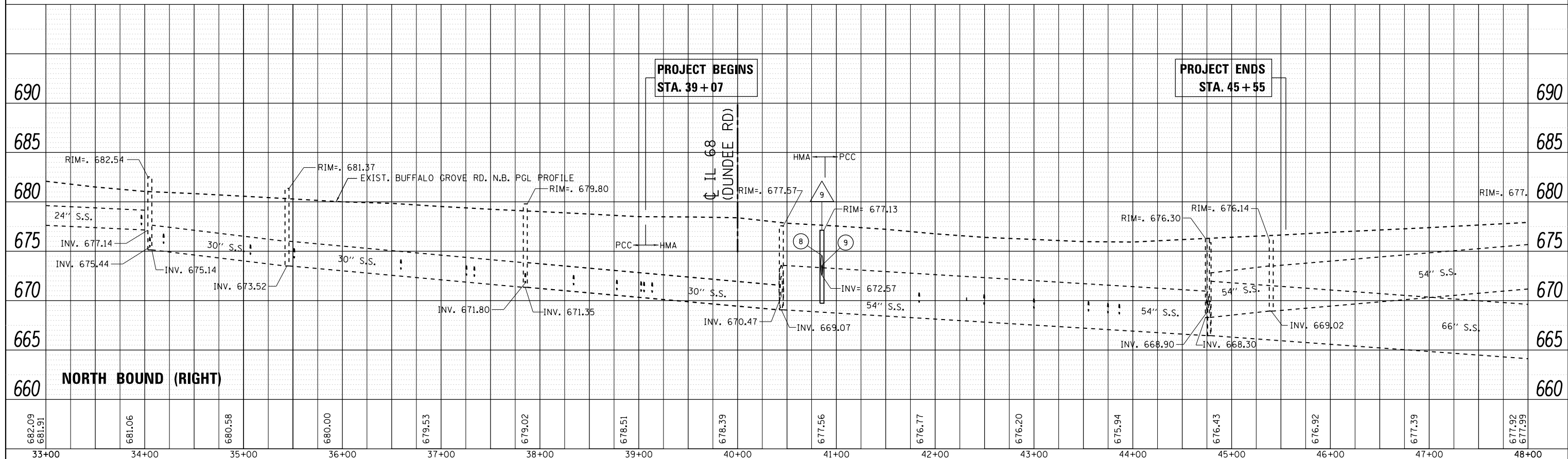


FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE IL. ROUTE 68 (DUNDEE RD.) AT BUFFALO GROVE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100.0000' / in.	DATE -	REVISED -	REVISED -			CONTRACT NO. 60V98					
Default	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					

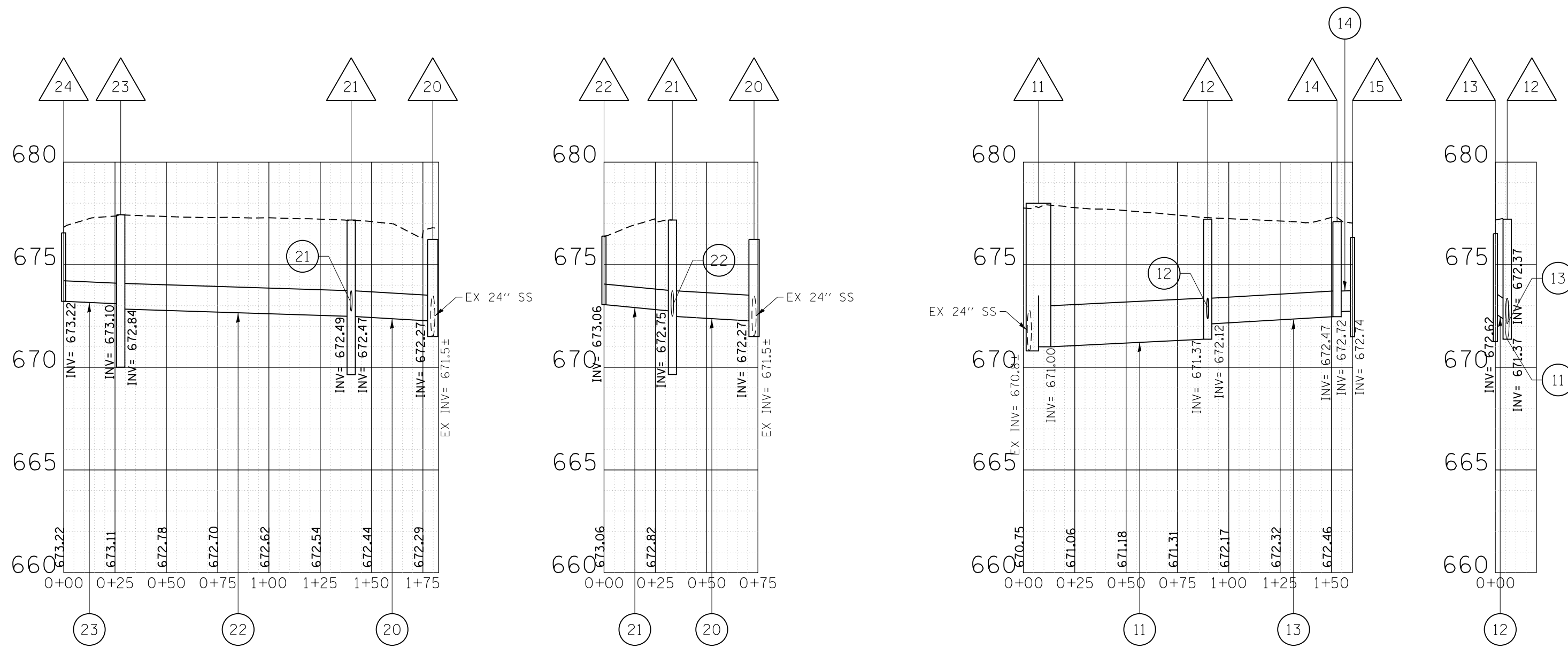
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	CHECKED		
	FILED		
	NO.		



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



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE IL. ROUTE 68 (DUNDEE RD.) AT BUFFALO GROVE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P124712\Drawings\CADsheets\P124712-sht-drain.dgn	DRWN =	REVISED -	REVISED -			343	304IN-2(12)	COOK	102	40
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 60V98				
Default	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				



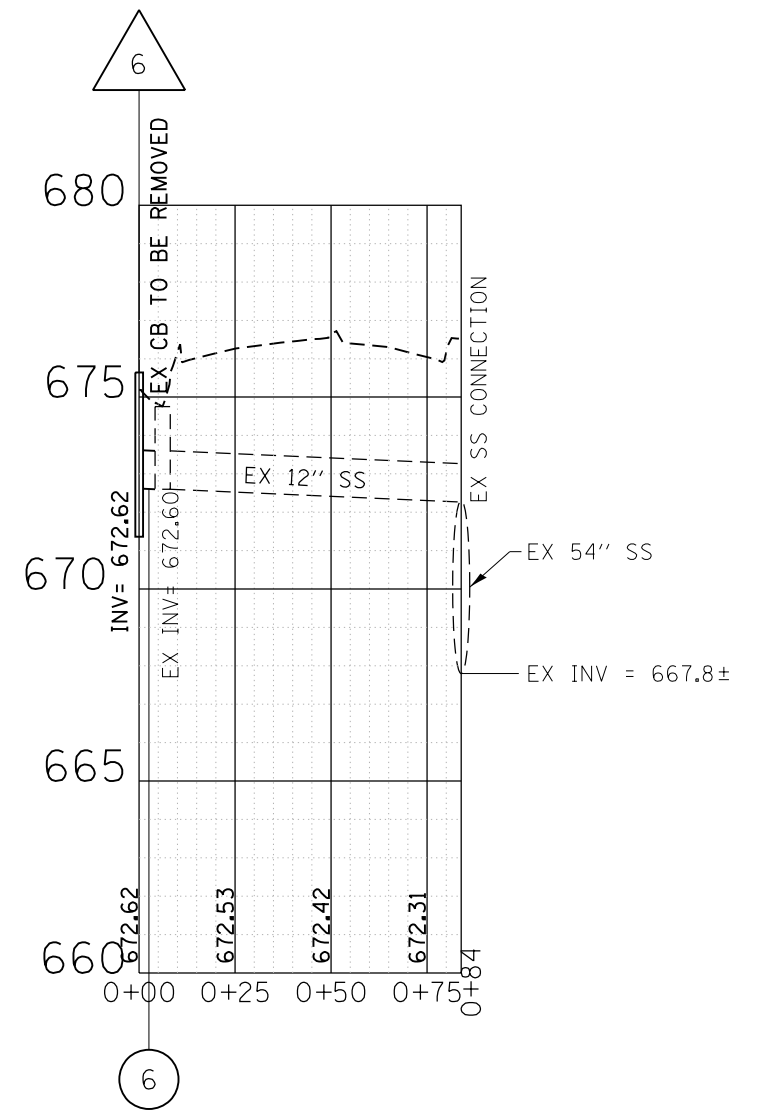
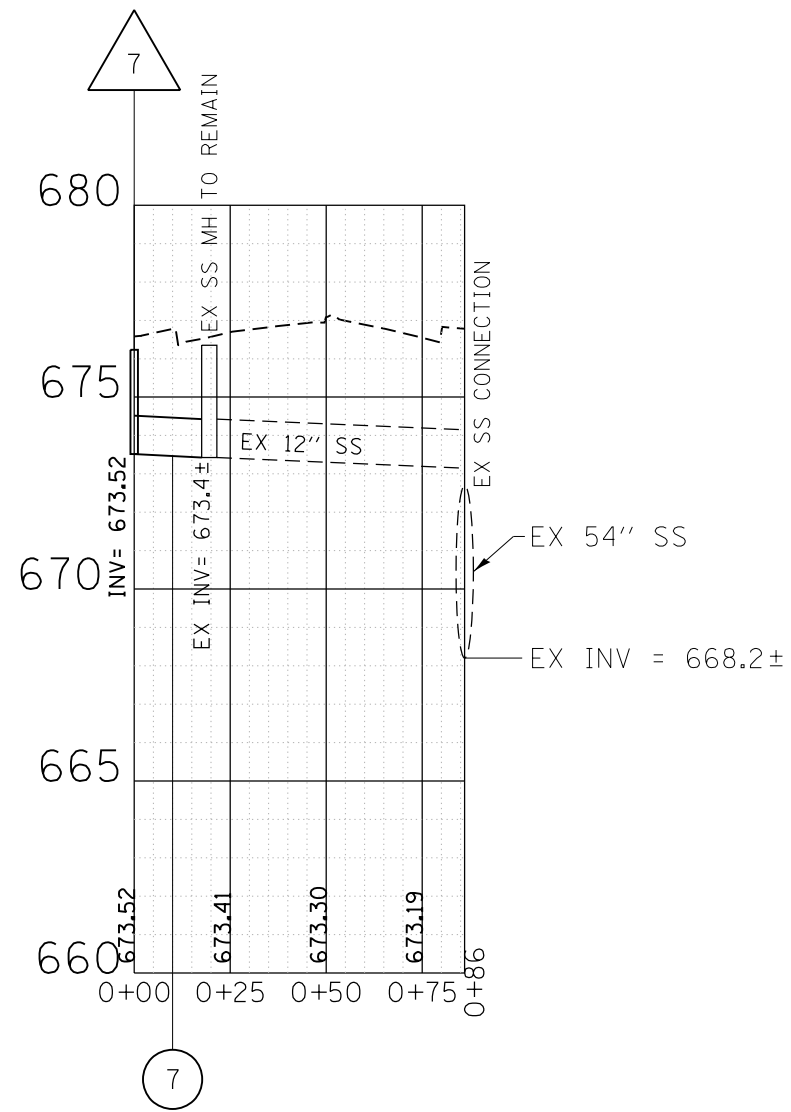
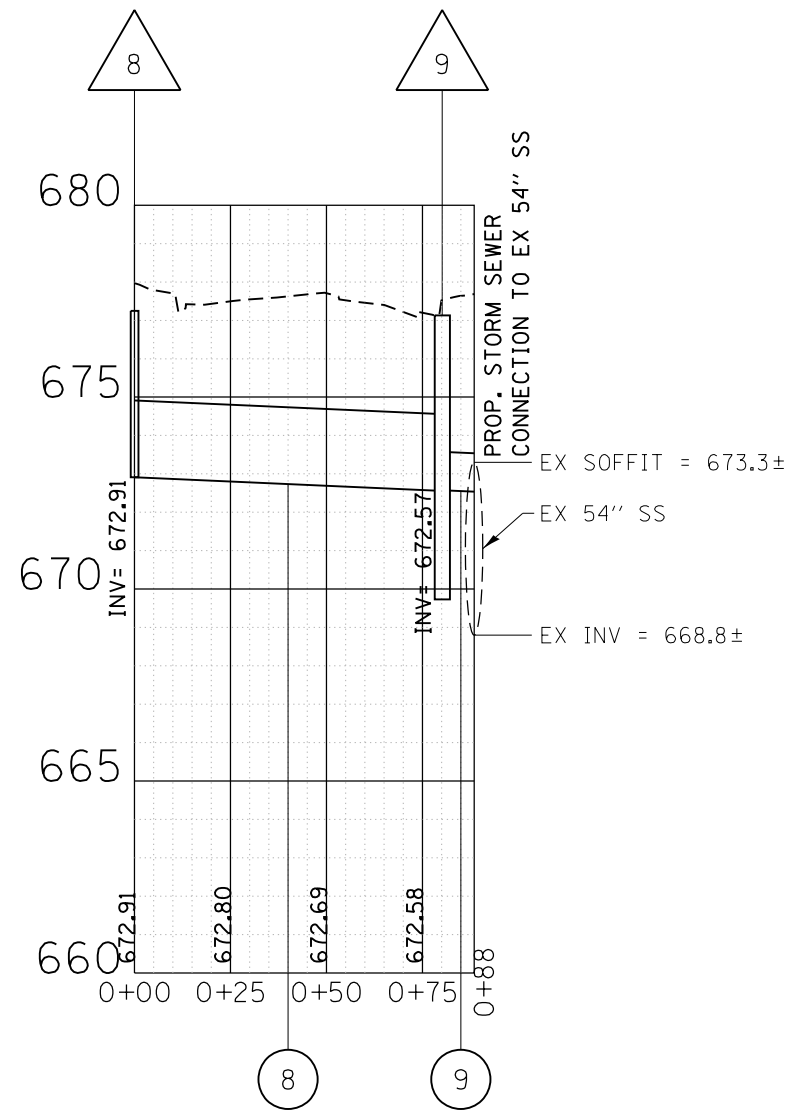
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Default	PLOT SCALE = 50.0000' / in.	DATE -	REVISED -
	PLOT DATE = 5/13/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
STORM SEWER PROFILES - IL 68**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	41
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				



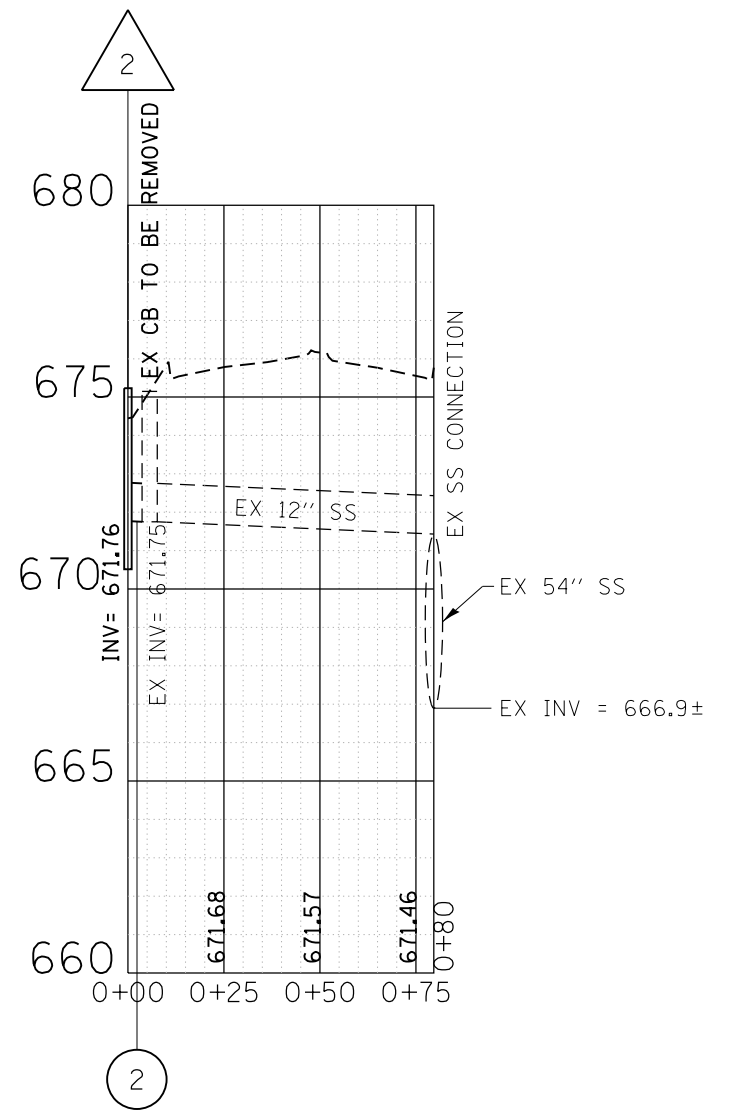
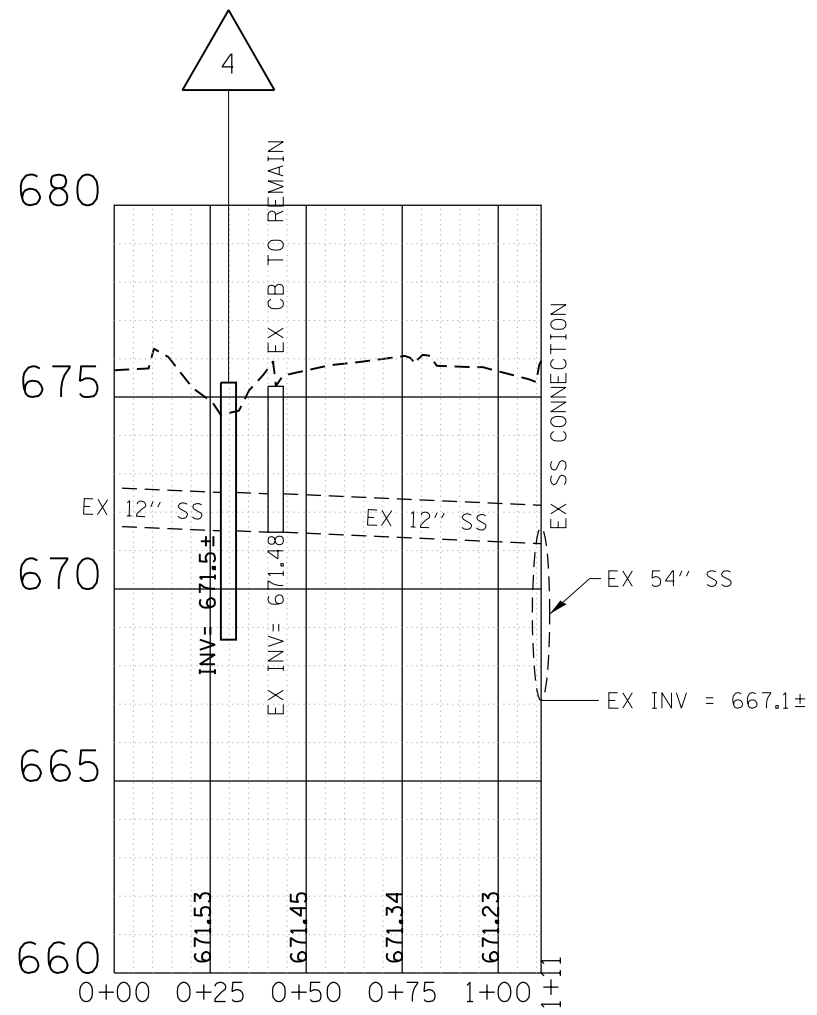
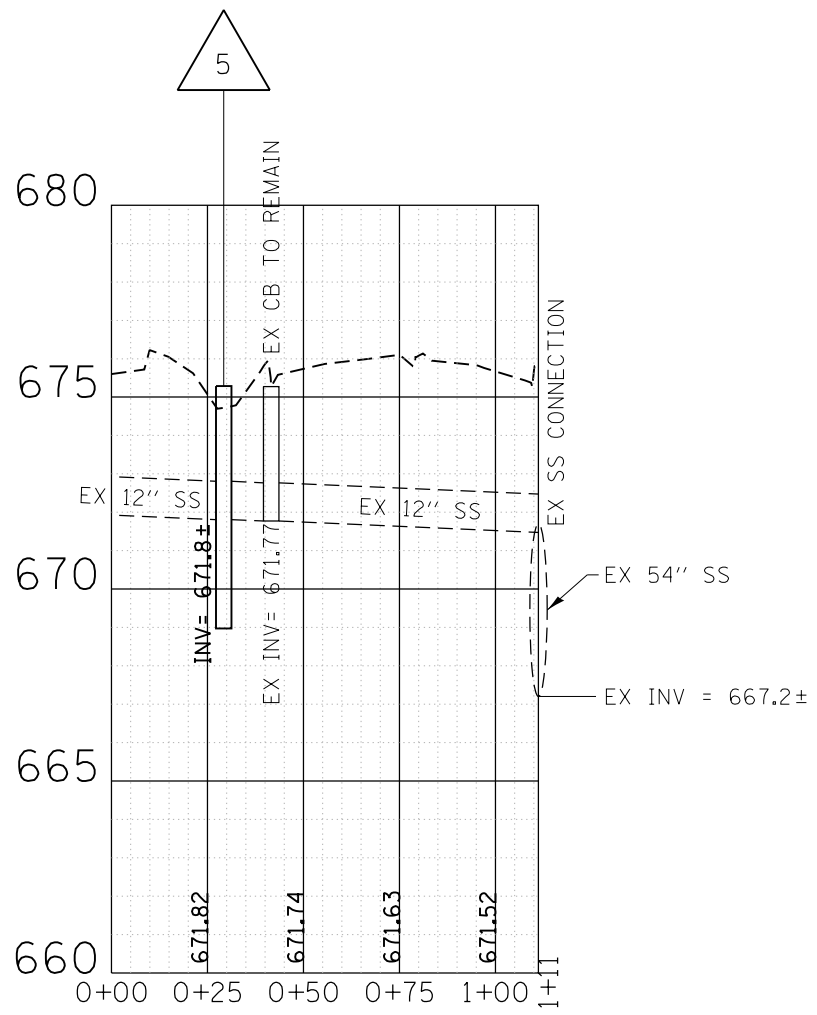
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Default	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
STORM SEWER PROFILES - BUFFALO GROVE RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V98	



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
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Default	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
STORM SEWER PROFILES - BUFFALO GROVE RD**

SCALE: SHEET OF SHEETS STA. TO STA.

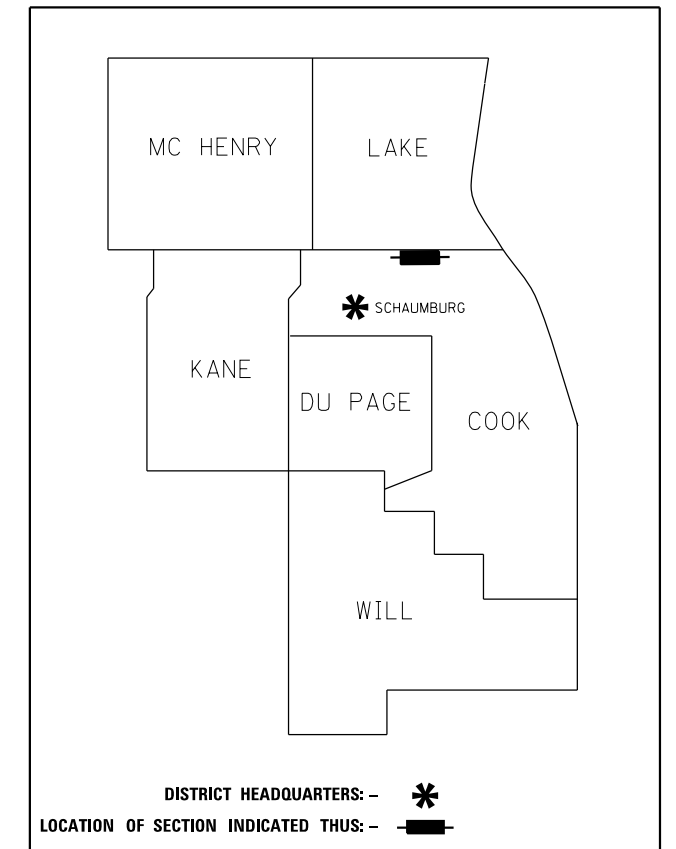
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	43
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V98	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

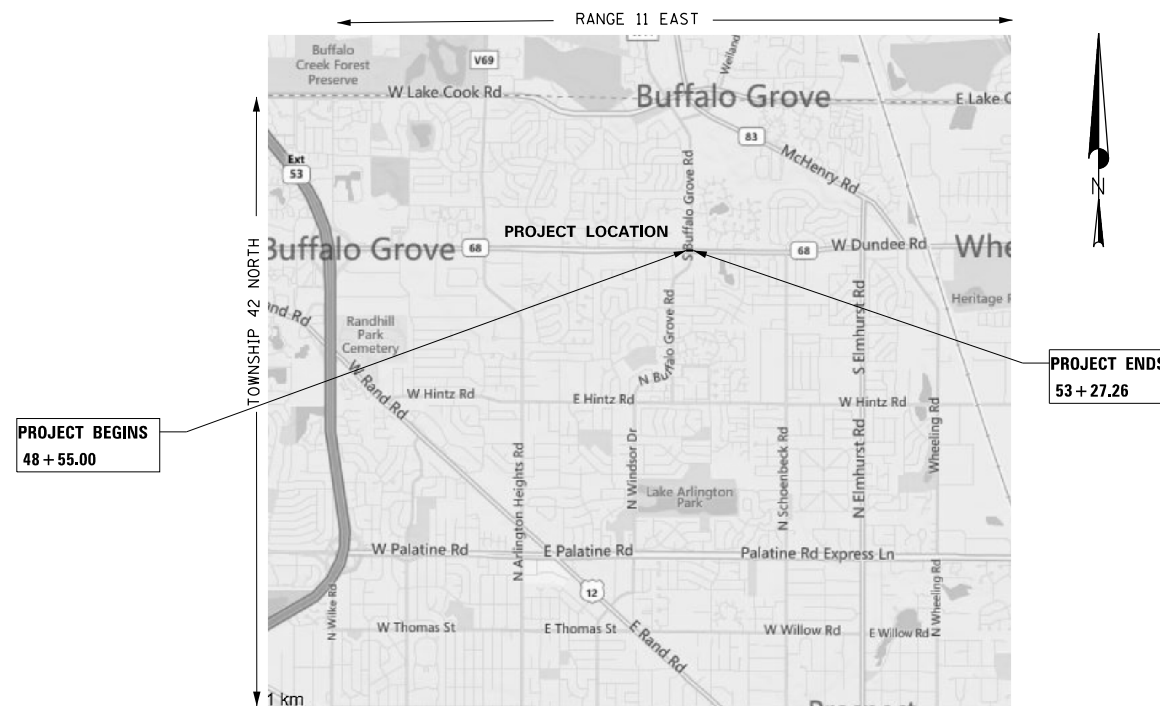
PLAT OF HIGHWAYS

ROUTE: IL ROUTE 68
SECTION:
COUNTY: COOK
LIMITS: BUFFALO GROVE ROAD
JOB NO.: R90-022-13

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OKZ0001	14 DUNDEE RD., L.L.C.	2	
OKZ0002	BUCHANAN ENERGY (N), L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	3	
OKZ0002 T.E.	BUCHANAN ENERGY (N), L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	3	
OKZ0003	NEWPORT EQUITIES, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	3	
OKZ0003 T.E.	NEWPORT EQUITIES, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	3	
OKZ0004	SCP 2002A-2, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY, SUCCESSOR BY MERGER TO CVS BUFFALO GROVE, L.L.C., AN ILLINOIS LIMITED LIABILITY COMPANY	2	
OKZ0004 T.E.	SCP 2002A-2, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY, SUCCESSOR BY MERGER TO CVS BUFFALO GROVE, L.L.C., AN ILLINOIS LIMITED LIABILITY COMPANY	2	



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

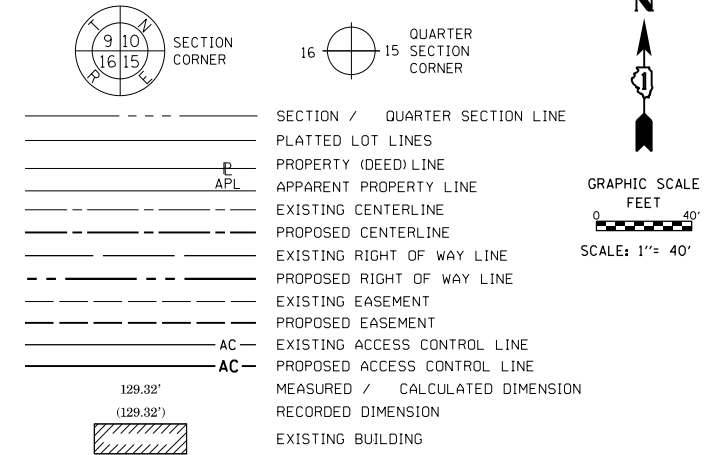


(NOT TO SCALE)

LOCATION MAP

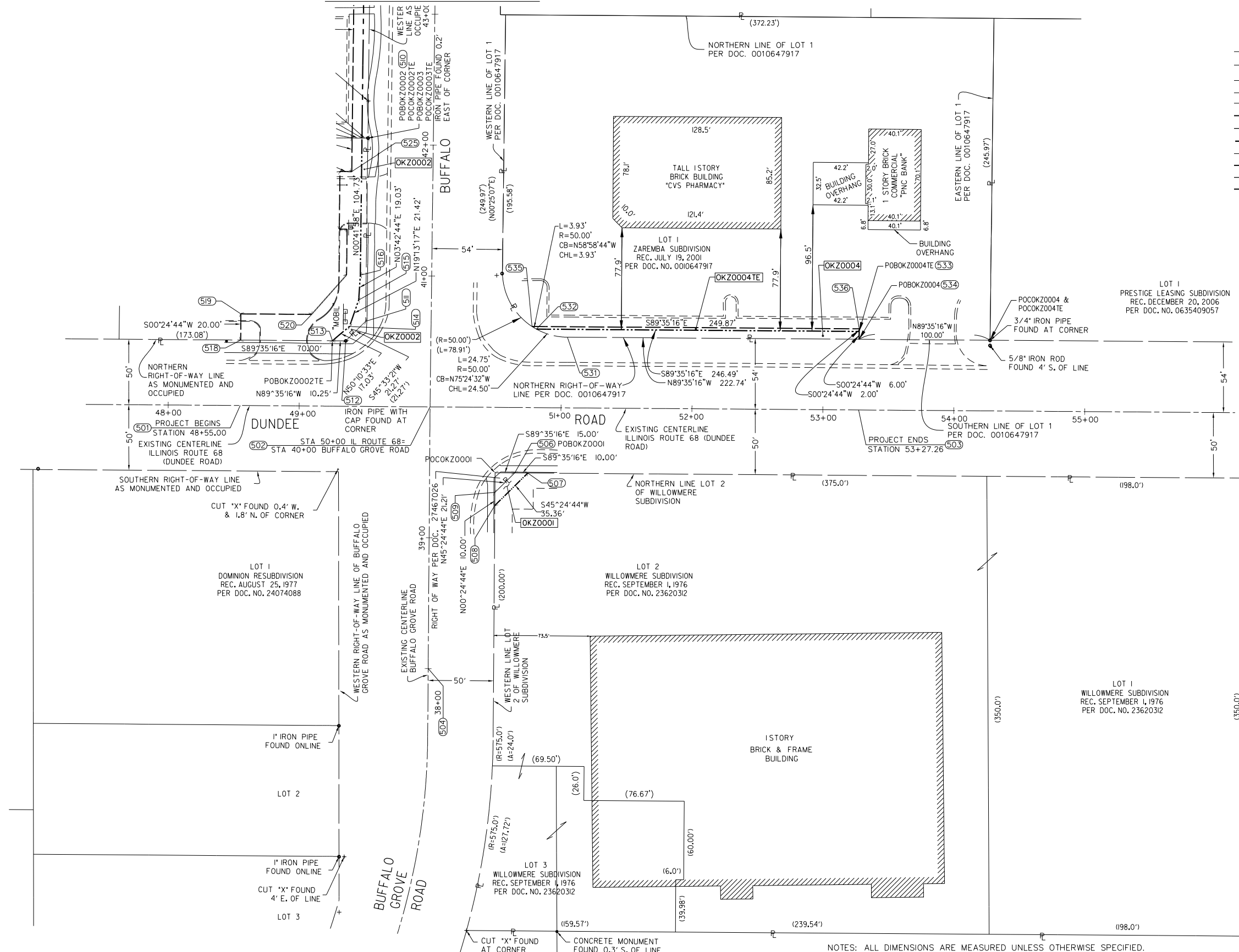
IDOT USE ONLY

LEGEND



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

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



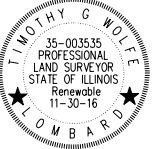
STATE OF ILLINOIS)
) SS
 COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, JACOB AND HEFNER ASSOCIATES, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 9, TOWNSHIP 42 NORTH, RANGE 11 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. 35-003535
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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



JACOB & HEFNER ASSOCIATES, INC.
 ENGINEERS · SURVEYORS
 1910 S. Highland Avenue, Suite 100
 Lombard, IL 60148
 (630) 652-4600

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DUNDEE ROAD

LIMITS: BUFFALO GROVE ROAD COUNTY: COOK
 SECTION: JOB NO.: R90-022-13
 STA. 48+55.00 TO STA. 50+75.00
 SCALE: 1"=40' SHEET 2 OF 4 SHEETS

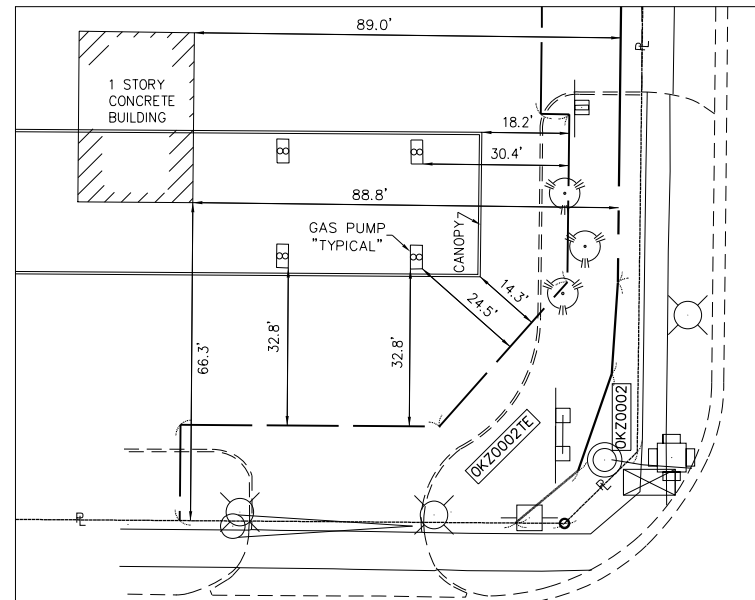
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OKZ0001	4.638	0.005 AC. OR 200 SF.		4.633	N/A	N/A	03-09-101-046 03-09-101-047 03-09-101-048 03-09-101-045
OKZ0004 OKZ0004 T.E.	2.089	0.033	N/A	2.056	0.011	496	03-04-302-038

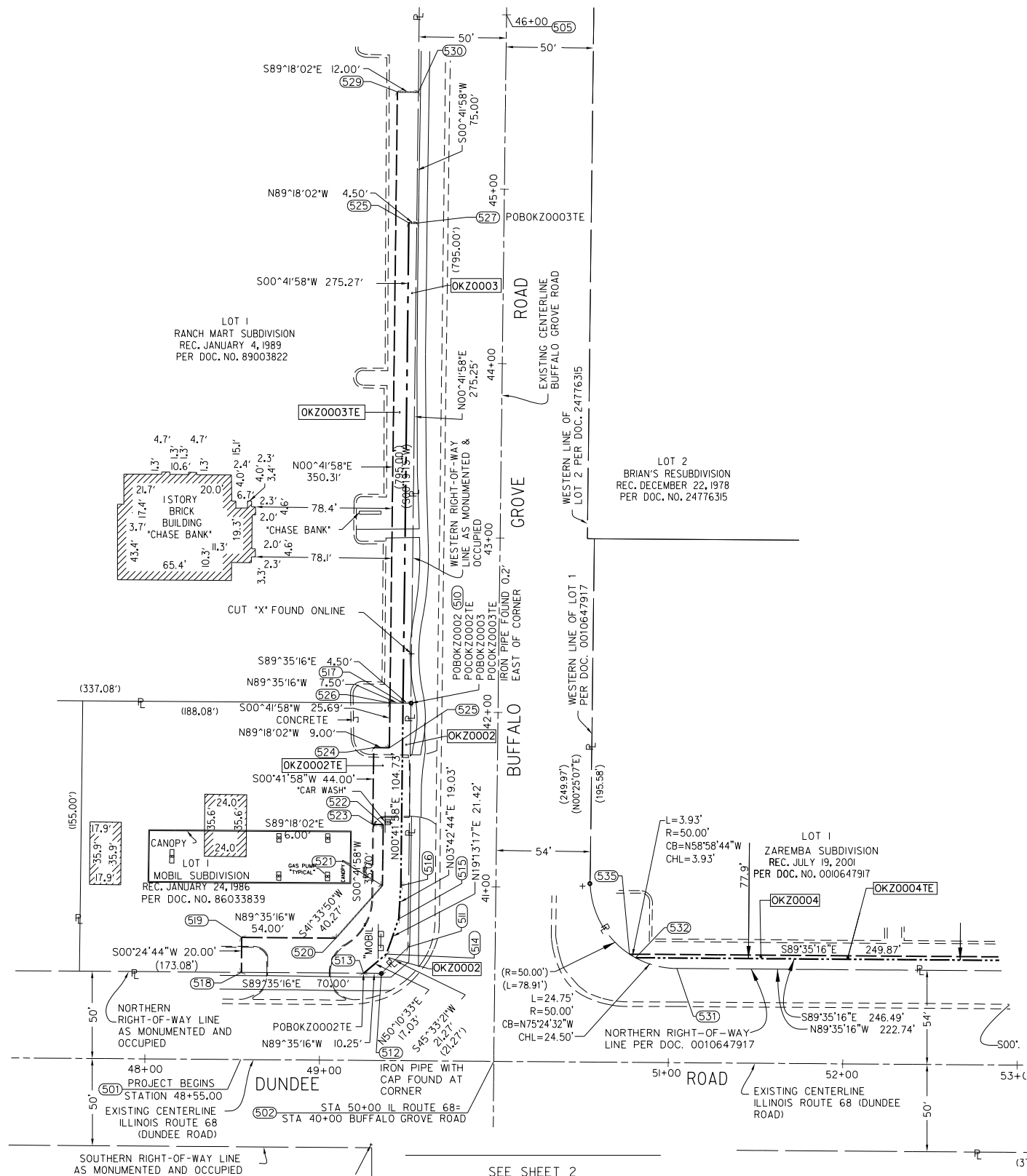
NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995419973.
 AREAS SHOWN ON THIS PLAT ARE "GROUND".
 REVISION DATE: / / REVISION MADE BY:

PART OF THE SW 1/4 OF SECTION 4, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PROJECT COORDINATES ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011 ADJUSTMENT)				
POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
501	1993430.9185	1085743.6497	48+55.00	0.00' RT.
502	1993429.8751	1085888.6459	50+00.00	0.00' RT.
503	1993427.5203	1086215.8974	53+27.26	0.00' RT.
504	1993229.8803	1085887.2068	38+00.00	0.00' RT.
505	1994029.8304	1085895.9691	46+00.00	0.00' RT.
506	1993379.4087	1085953.2844	50+65.00	50.00' RT.
507	1993379.3367	1085963.2842	50+75.00	50.00' RT.
508	1993354.5173	1085938.1049	50+50.00	75.00' RT.
509	1993364.5170	1085938.1769	50+50.00	65.00' RT.
510	1993635.2203	1085841.1487	42+04.75	50.00' LT.
511	1993495.2307	1085839.4399	49+50.00	65.00' LT.
512	1993480.3398	1085824.2572	49+35.00	50.00' LT.
513	1993480.4135	1085814.0076	49+25.00	50.00' LT.
514	1993491.3197	1085827.0864	49+38.00	61.00' LT.
515	1993511.5465	1085834.1387	40+81.00	55.50' LT.
516	1993530.5329	1085835.3705	41+00.00	54.50' LT.
517	1993635.2527	1085836.6487	42+04.73	54.50' LT.
518	1993480.9172	1085744.0094	48+55.00	50.00' LT.
519	1993500.9167	1085744.1533	48+55.00	70.00' LT.
520	1993500.5281	1085798.1519	49+09.00	70.00' LT.
521	1993530.6610	1085824.8713	41+00.00	65.00' LT.
522	1993565.6584	1085825.2985	41+35.00	65.00' LT.
523	1993565.7317	1085819.2989	41+35.00	71.00' LT.
524	1993609.7284	1085819.8359	41+79.00	71.00' LT.
525	1993609.6185	1085828.8353	41+79.00	62.00' LT.
526	1993635.3066	1085829.1488	42+04.69	62.00' LT.
527	1993910.4496	1085844.5082	44+80.00	50.00' LT.
528	1993910.5046	1085840.0085	44+80.00	54.50' LT.
529	1993985.5905	1085833.4245	45+55.00	62.00' LT.
530	1993985.4441	1085845.4236	45+55.00	50.00' LT.
531	1993483.1216	1085993.5541	51+04.52	54.00' LT.
532	1993489.2924	1085969.8492	50+80.77	60.00' LT.
533	1993487.5187	1086216.3292	53+27.26	60.00' LT.
534	1993481.5189	1086216.2860	53+27.26	54.00' LT.
535	1993491.3166	1085966.4830	50+77.39	62.00' LT.
536	1993489.5187	1086216.3436	53+27.26	62.00' LT.



BUILDING AND GAS PUMP TIE DETAIL
NORTHWEST CORNER OF DUNDEE ROAD AND BUFFALO GROVE ROAD
SCALE 1"=20'



SEE SHEET 2

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OKZ0002 OKZ0002 T.E.	0.667	0.019	N/A	0.648	0.082	3564	03-04-301-027
OKZ0003 OKZ0003 T.E.	11.126	0.028	N/A	11.098	0.068	2965	03-04-301-031

FOR TOTAL HOLDING SKETCH SEE SHEET 4

NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995419973. AREAS SHOWN ON THIS PLAT ARE "GROUND".

LEGEND

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

STATE OF ILLINOIS)
)SS
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, JACOB AND HEFNER ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 4, TOWNSHIP 42 NORTH, RANGE 11 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. 35-003535
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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

JACOB & HEFNER ASSOCIATES, INC.
ENGINEERS & SURVEYORS
1910 S. Highland Avenue, Suite 100
Lombard, IL 60148
(630) 682-4600

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DUNDEE ROAD

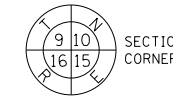
LIMITS: BUFFALO GROVE ROAD COUNTY: COOK
SECTION: STA. 48+55.00 TO STA. 50+75.00 JOB NO.: R90-022-13
SCALE: 1"=40' SHEET 3 OF 4 SHEETS

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

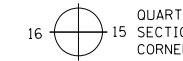
REVISION DATE: / / REVISION MADE BY:

PART OF THE NW 1/4 OF SECTION 9, TWP.42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



SECTION CORNER



QUARTER SECTION CORNER

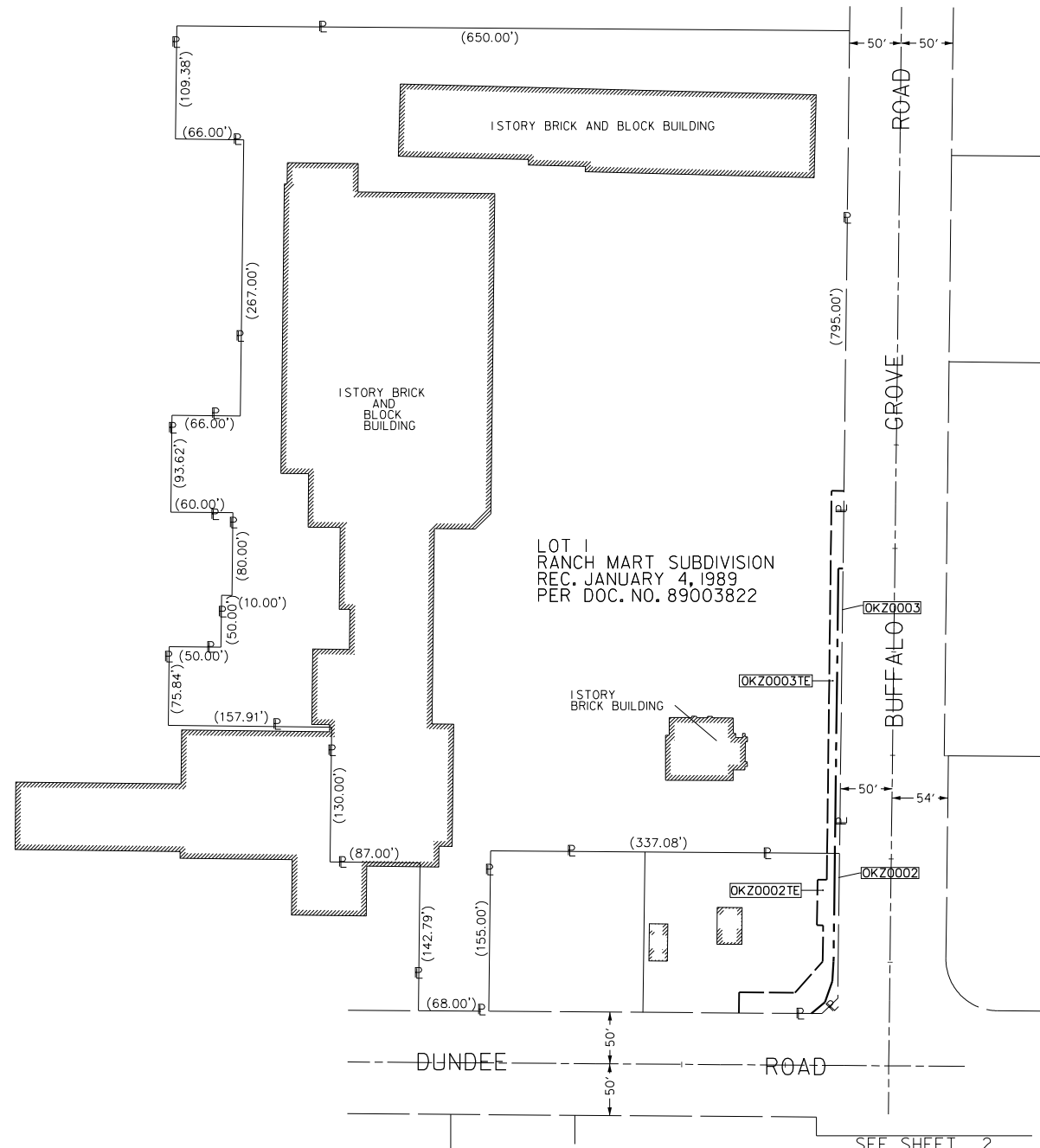


GRAPHIC SCALE
FEET
0 80'
SCALE: 1"= 80'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC --- EXISTING ACCESS CONTROL LINE
- AC --- PROPOSED ACCESS CONTROL LINE
- MEASURED / CALCULATED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

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



TOTAL HOLDING DIAGRAM - PARCELS OKZ0002 AND OKZ0003
SCALE 1"=80'

STATE OF ILLINOIS
JSS
COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, JACOB AND HEFNER ASSOCIATES, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 9, 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. 35-003535
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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



JACOB & HEFNER ASSOCIATES, INC.
ENGINEERS - SURVEYORS
1810 S. Highland Avenue, Suite 100
Lombard, IL 60148
(630) 652-4600

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DUNDEE ROAD

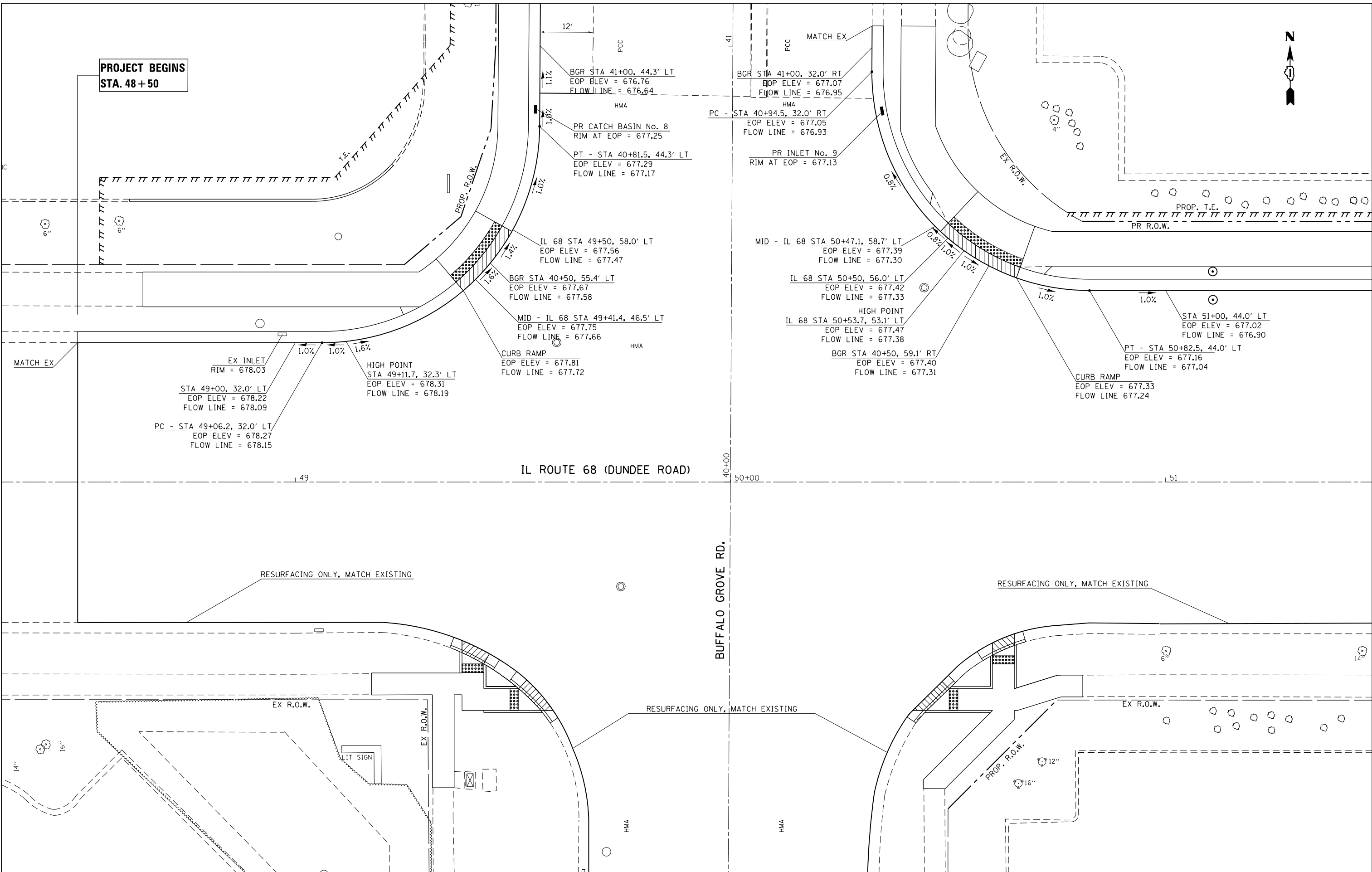
LIMITS: BUFFALO GROVE ROAD COUNTY: COOK
SECTION: JOB NO.: R90-022-13
STA. 48+55.00 TO STA. 50+75.00
SCALE: 1"=80' SHEET 4 OF 4 SHEETS

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

IDOT USE ONLY

REVISION DATE: / / REVISION MADE BY:

**PROJECT BEGINS
STA. 48 + 50**



IL ROUTE 68 (DUNDEE ROAD)

BUFFALO GROVE RD.

RESURFACING ONLY, MATCH EXISTING

RESURFACING ONLY, MATCH EXISTING

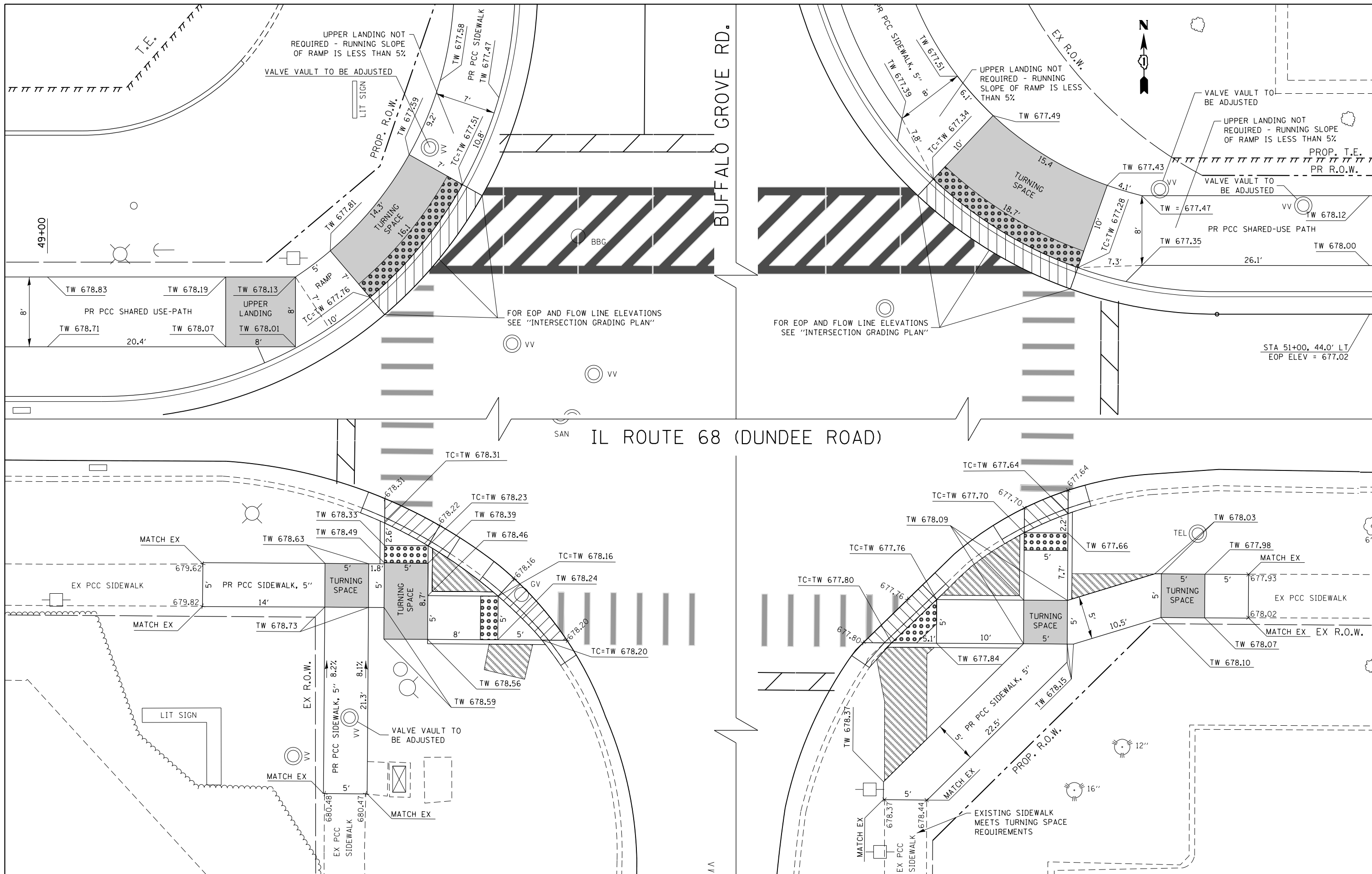
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
INTERSECTION DETAILS - GRADING PLAN**

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
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	PLOT DATE = 5/13/2016	DATE -	REVISED -

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	48
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				



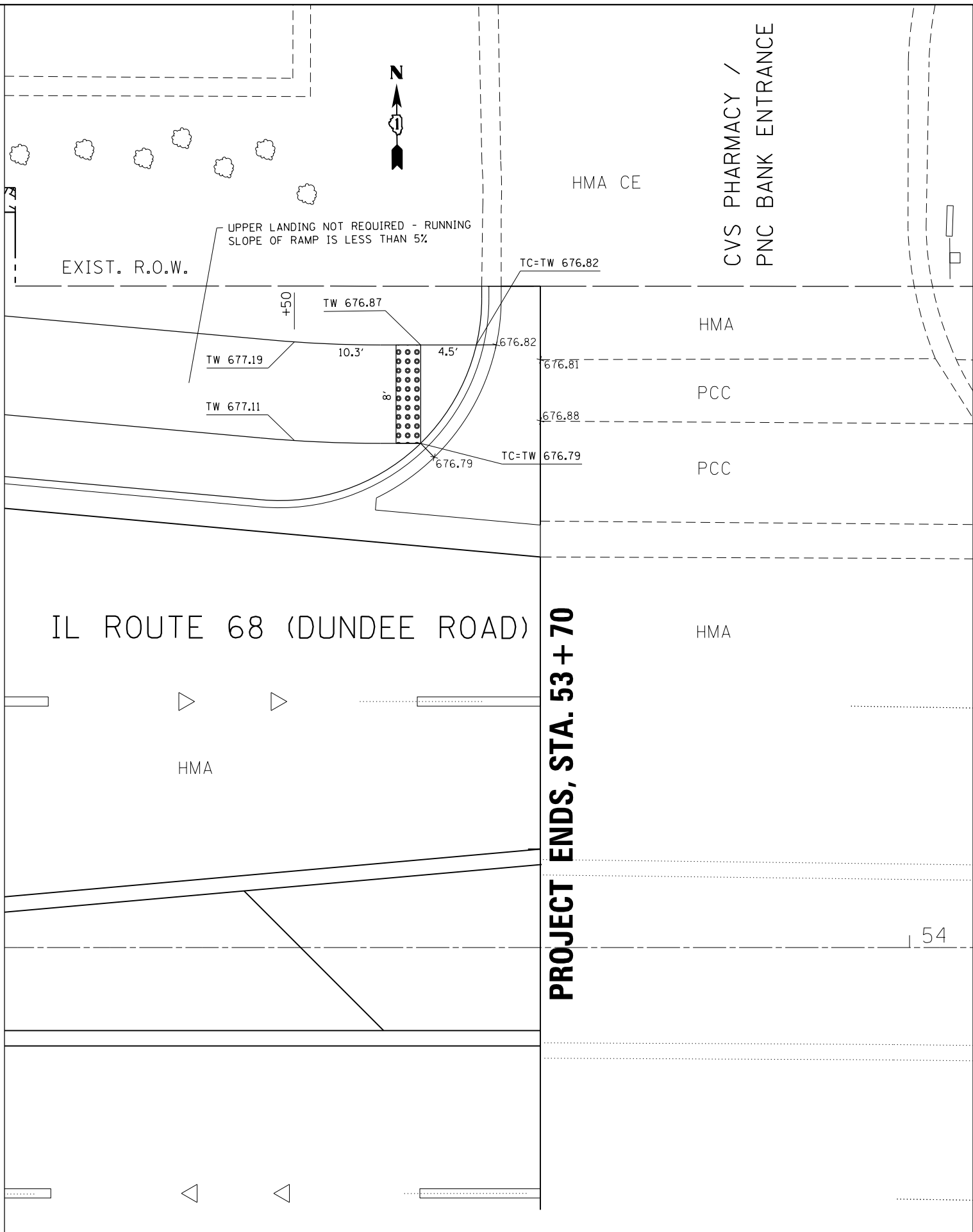
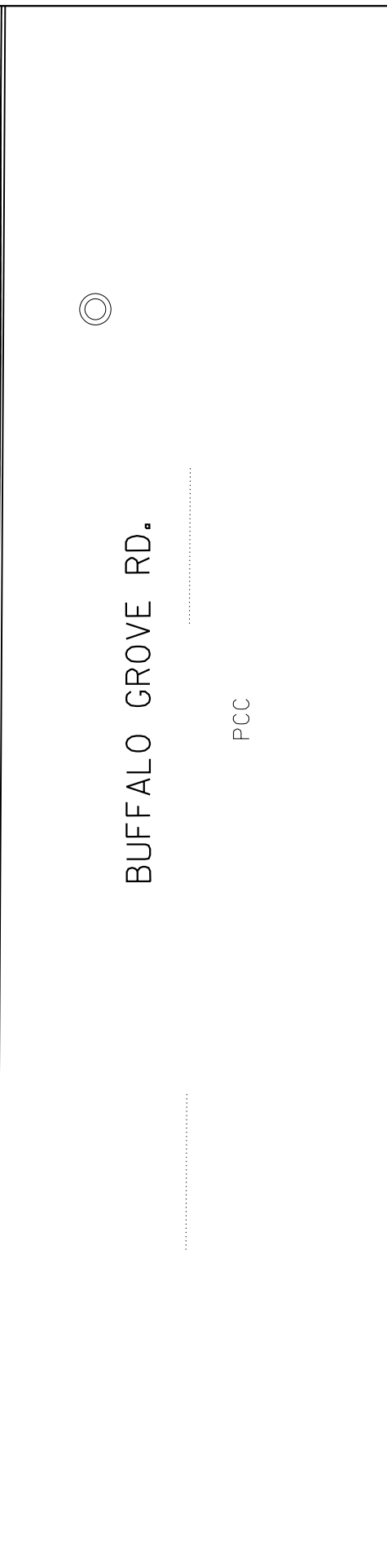
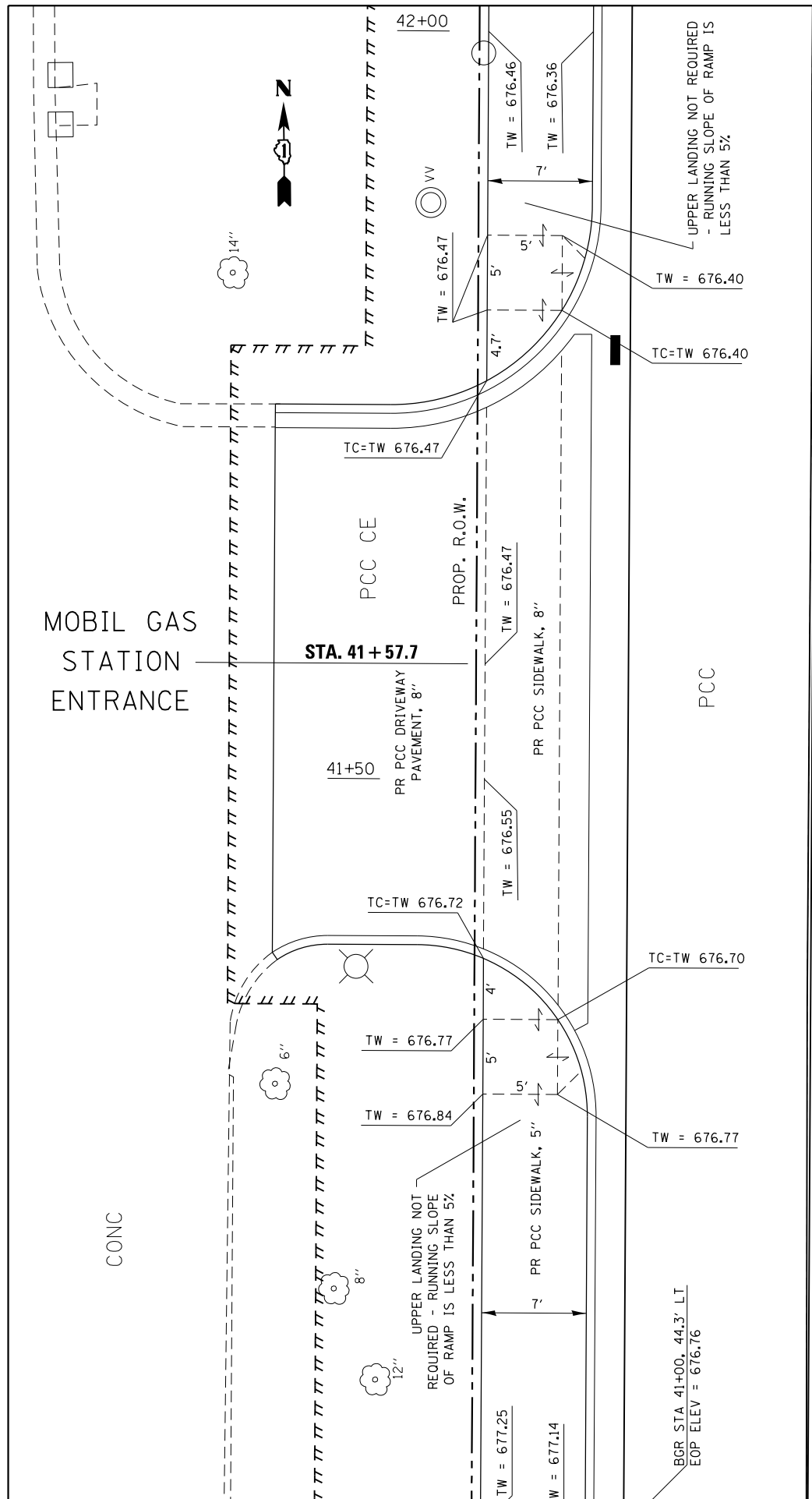
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	PLOT DATE = 5/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
INTERSECTION DETAILS - CURB RAMPS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	49
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 5/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 68 (DUNDEE RD) AT BUFFALO GROVE RD
INTERSECTION DETAILS - ENTRANCE CROSSINGS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	50
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

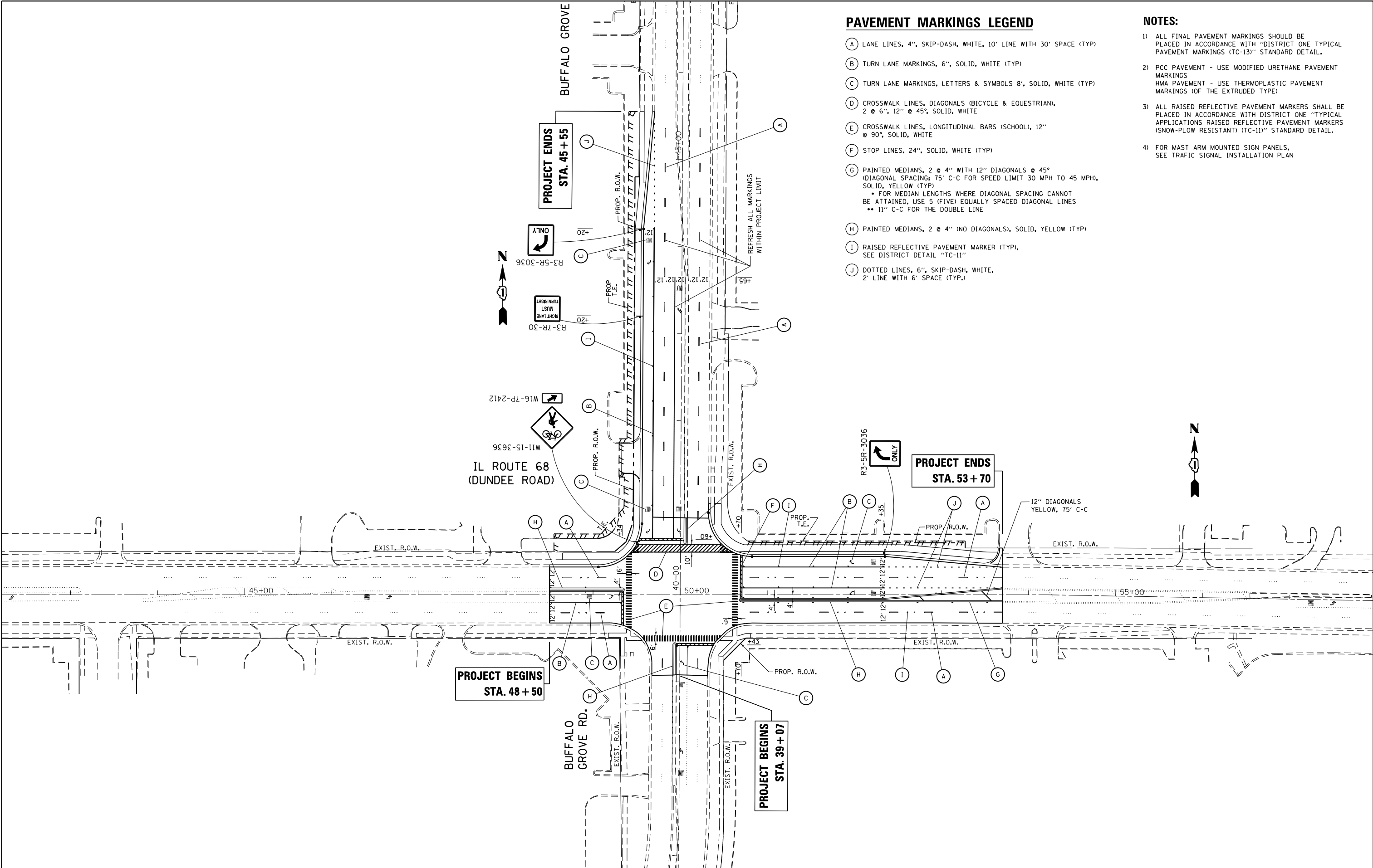
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PAVEMENT MARKINGS LEGEND

- (A) LANE LINES, 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP)
- (B) TURN LANE MARKINGS, 6", SOLID, WHITE (TYP)
- (C) TURN LANE MARKINGS, LETTERS & SYMBOLS 8", SOLID, WHITE (TYP)
- (D) CROSSWALK LINES, DIAGONALS (BICYCLE & EQUESTRIAN), 2 @ 6", 12" @ 45°, SOLID, WHITE
- (E) CROSSWALK LINES, LONGITUDINAL BARS (SCHOOL), 12" @ 90°, SOLID, WHITE
- (F) STOP LINES, 24", SOLID, WHITE (TYP)
- (G) PAINTED MEDIANS, 2 @ 4" WITH 12" DIAGONALS @ 45° (DIAGONAL SPACING: 75' C-C FOR SPEED LIMIT 30 MPH TO 45 MPH, SOLID, YELLOW (TYP)
 - FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES
 - 11" C-C FOR THE DOUBLE LINE
- (H) PAINTED MEDIANS, 2 @ 4" (NO DIAGONALS), SOLID, YELLOW (TYP)
- (I) RAISED REFLECTIVE PAVEMENT MARKER (TYP), SEE DISTRICT DETAIL "TC-11"
- (J) DOTTED LINES, 6", SKIP-DASH, WHITE, 2' LINE WITH 6' SPACE (TYP.)

NOTES:

- 1) ALL FINAL PAVEMENT MARKINGS SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)" STANDARD DETAIL.
- 2) PCC PAVEMENT - USE MODIFIED URETHANE PAVEMENT MARKINGS
HMA PAVEMENT - USE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE)
- 3) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)" STANDARD DETAIL.
- 4) FOR MAST ARM MOUNTED SIGN PANELS, SEE TRAFFIC SIGNAL INSTALLATION PLAN



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	PLOT DATE = 5/13/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
IL. ROUTE 68 AT BUFFALO GROVE ROAD**

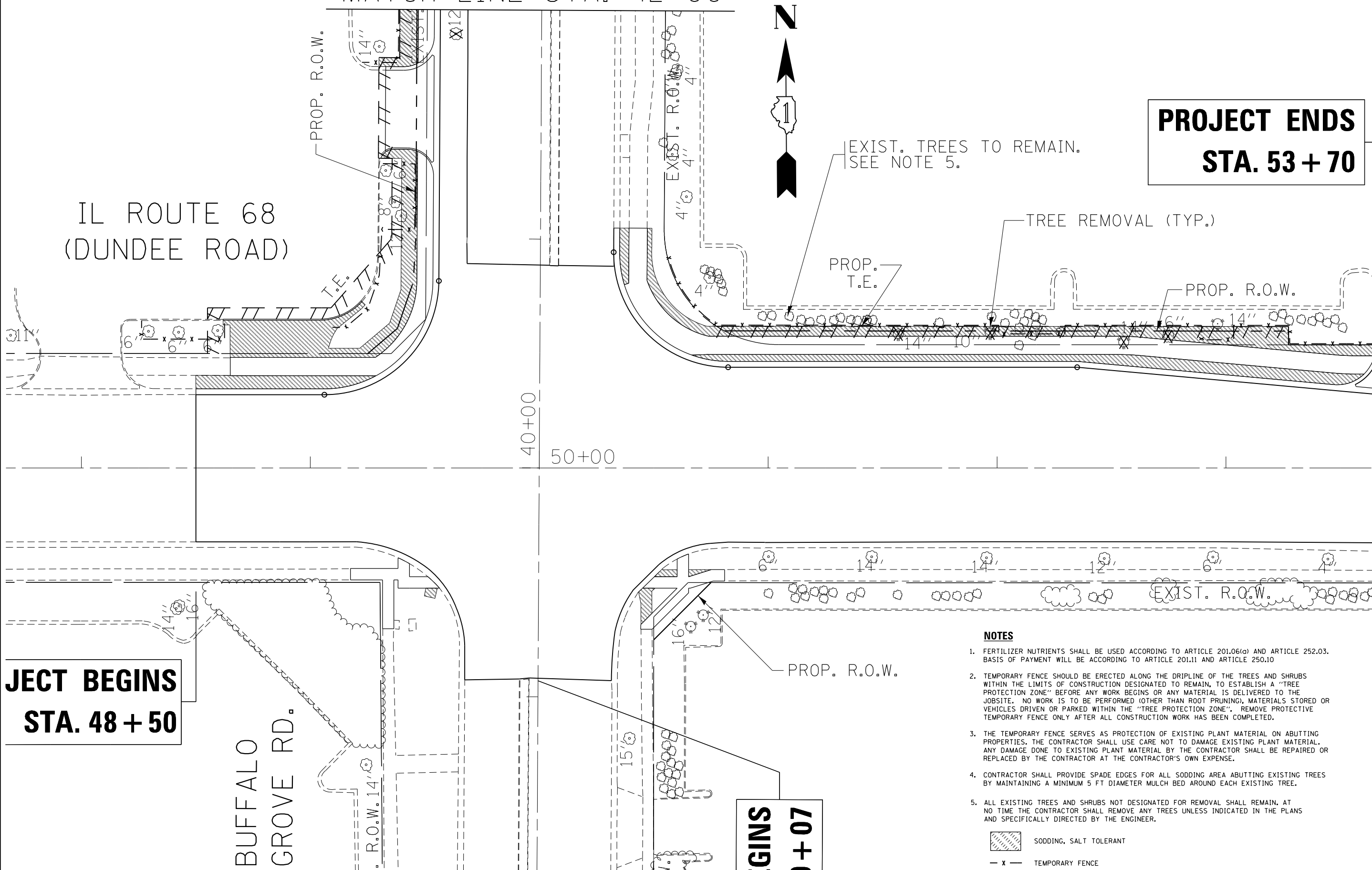
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	51
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 42+00

IL ROUTE 68
(DUNDEE ROAD)


**PROJECT ENDS
STA. 53+70**



**PROJECT BEGINS
STA. 48+50**

BUFFALO
GROVE RD.

- NOTES**
- FERTILIZER NUTRIENTS SHALL BE USED ACCORDING TO ARTICLE 201.06(d) AND ARTICLE 252.03. BASIS OF PAYMENT WILL BE ACCORDING TO ARTICLE 201.11 AND ARTICLE 250.10
 - TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF THE TREES AND SHRUBS WITHIN THE LIMITS OF CONSTRUCTION DESIGNATED TO REMAIN. TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
 - THE TEMPORARY FENCE SERVES AS PROTECTION OF EXISTING PLANT MATERIAL ON ABUTTING PROPERTIES. THE CONTRACTOR SHALL USE CARE NOT TO DAMAGE EXISTING PLANT MATERIAL. ANY DAMAGE DONE TO EXISTING PLANT MATERIAL BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
 - CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL SODDING AREA ABUTTING EXISTING TREES BY MAINTAINING A MINIMUM 5 FT DIAMETER MULCH BED AROUND EACH EXISTING TREE.
 - ALL EXISTING TREES AND SHRUBS NOT DESIGNATED FOR REMOVAL SHALL REMAIN. AT NO TIME THE CONTRACTOR SHALL REMOVE ANY TREES UNLESS INDICATED IN THE PLANS AND SPECIFICALLY DIRECTED BY THE ENGINEER.

 SODDING, SALT TOLERANT
 - x - TEMPORARY FENCE

**GINNS
+07**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

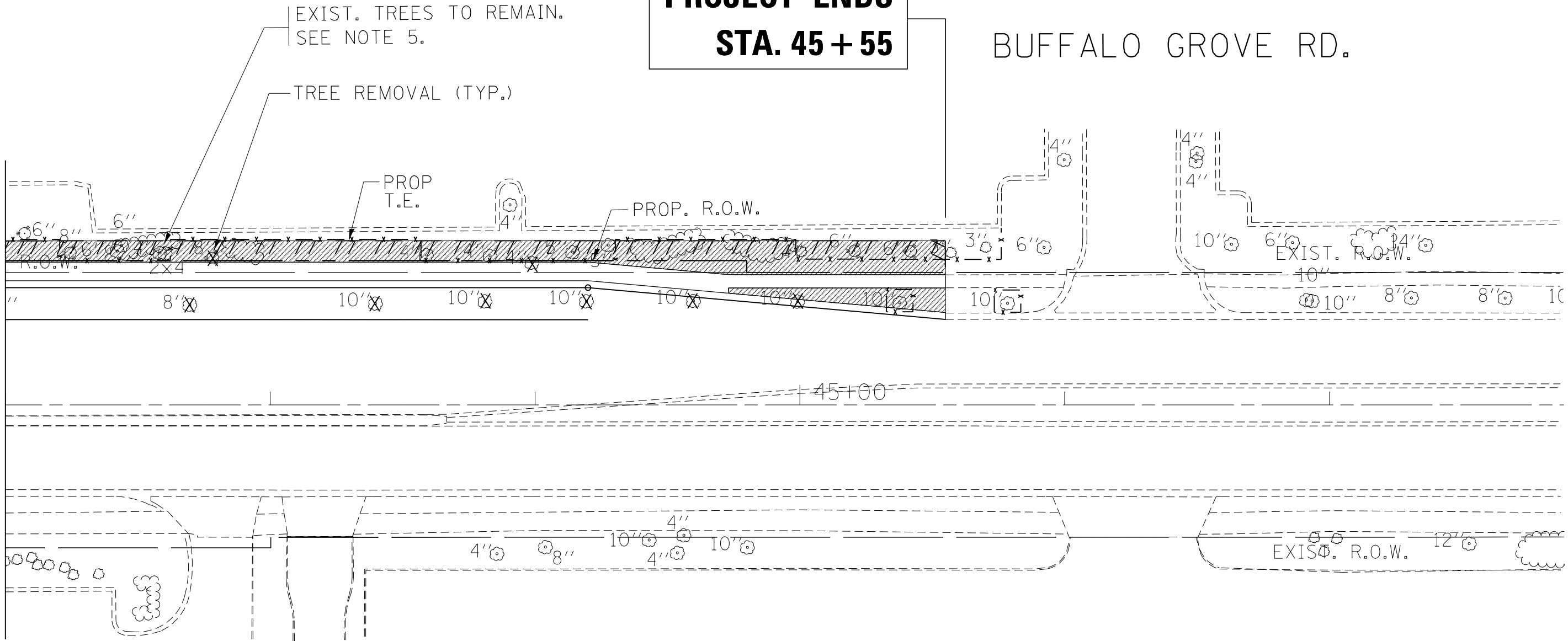
LANDSCAPING PLAN
IL. ROUTE 68 AT BUFFALO GROVE ROAD
 SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	52
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

**PROJECT ENDS
STA. 45 + 55**

BUFFALO GROVE RD.

MATCH LINE STA. 42+00



NOTES

- FERTILIZER NUTRIENTS SHALL BE USED ACCORDING TO ARTICLE 201.06(d) AND ARTICLE 252.03. BASIS OF PAYMENT WILL BE ACCORDING TO ARTICLE 201.11 AND ARTICLE 250.10
- TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF THE TREES AND SHRUBS WITHIN THE LIMITS OF CONSTRUCTION DESIGNATED TO REMAIN, TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- THE TEMPORARY FENCE SERVES AS PROTECTION OF EXISTING PLANT MATERIAL ON ABUTTING PROPERTIES. THE CONTRACTOR SHALL USE CARE NOT TO DAMAGE EXISTING PLANT MATERIAL. ANY DAMAGE DONE TO EXISTING PLANT MATERIAL BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL SODDING AREA ABUTTING EXISTING TREES BY MAINTAINING A MINIMUM 5 FT DIAMETER MULCH BED AROUND EACH EXISTING TREE.
- ALL EXISTING TREES AND SHRUBS NOT DESIGNATED FOR REMOVAL SHALL REMAIN. AT NO TIME THE CONTRACTOR SHALL REMOVE ANY TREES UNLESS INDICATED IN THE PLANS AND SPECIFICALLY DIRECTED BY THE ENGINEER.

SODDING, SALT TOLERANT

TEMPORARY FENCE

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	PLOT DATE = 5/13/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN			
IL. ROUTE 68 AT BUFFALO GROVE ROAD			
SCALE: 1"=20'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	304IN-2(12)	COOK	102	53
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

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

RAILROAD SYMBOLS

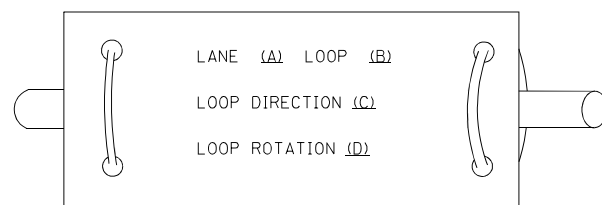
	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

TS SHT NO. 01

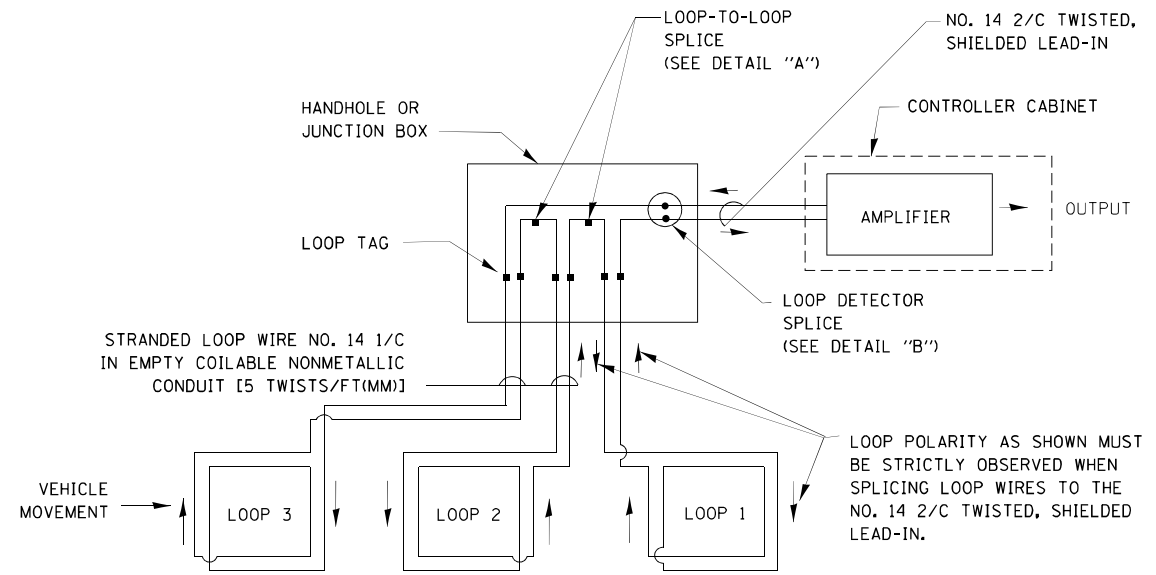
LOOP DETECTOR NOTES

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

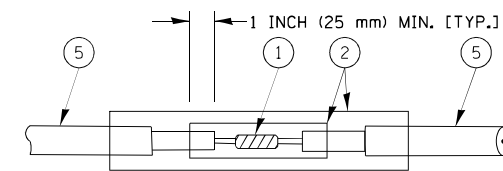


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

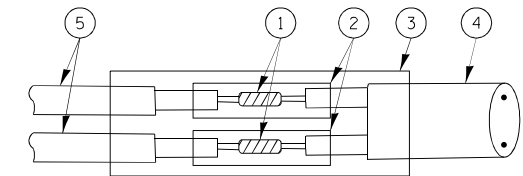


DETECTOR LOOP WIRING SCHEMATIC

- 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.

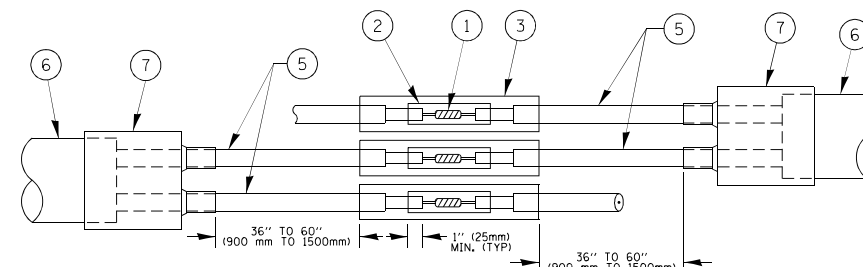


DETAIL "A"
LOOP-TO-LOOP SPLICE

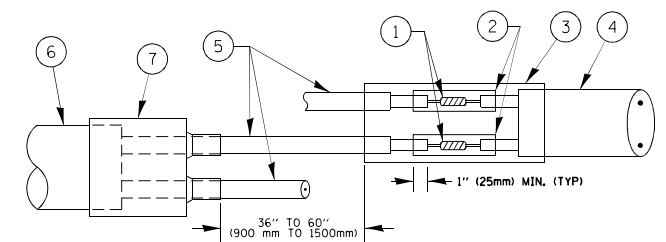


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

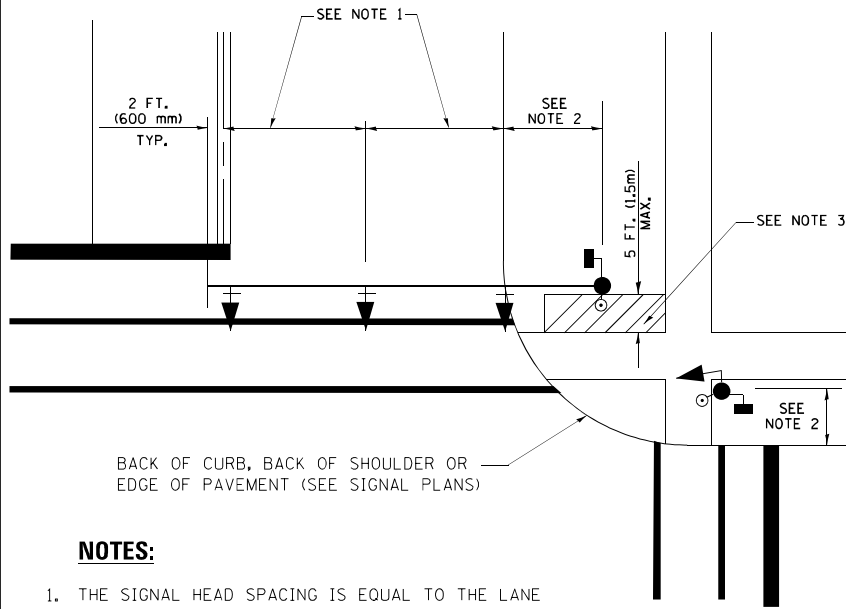
LOOP DETECTOR SPLICE

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

TS SHT NO. 02

FILE NAME =	USER NAME = footejm	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE. 343	SECTION 3041N-2 (12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 55
os:\pr_work\p\tdo\t\footejm\0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 60V98		
		CHECKED - DAD	REVISED -									
		DATE - 10-28-09	REVISED -									
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

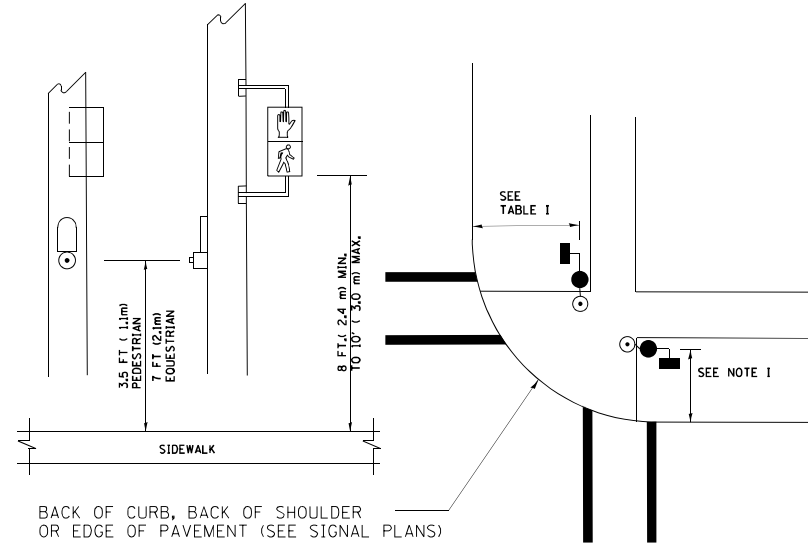
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

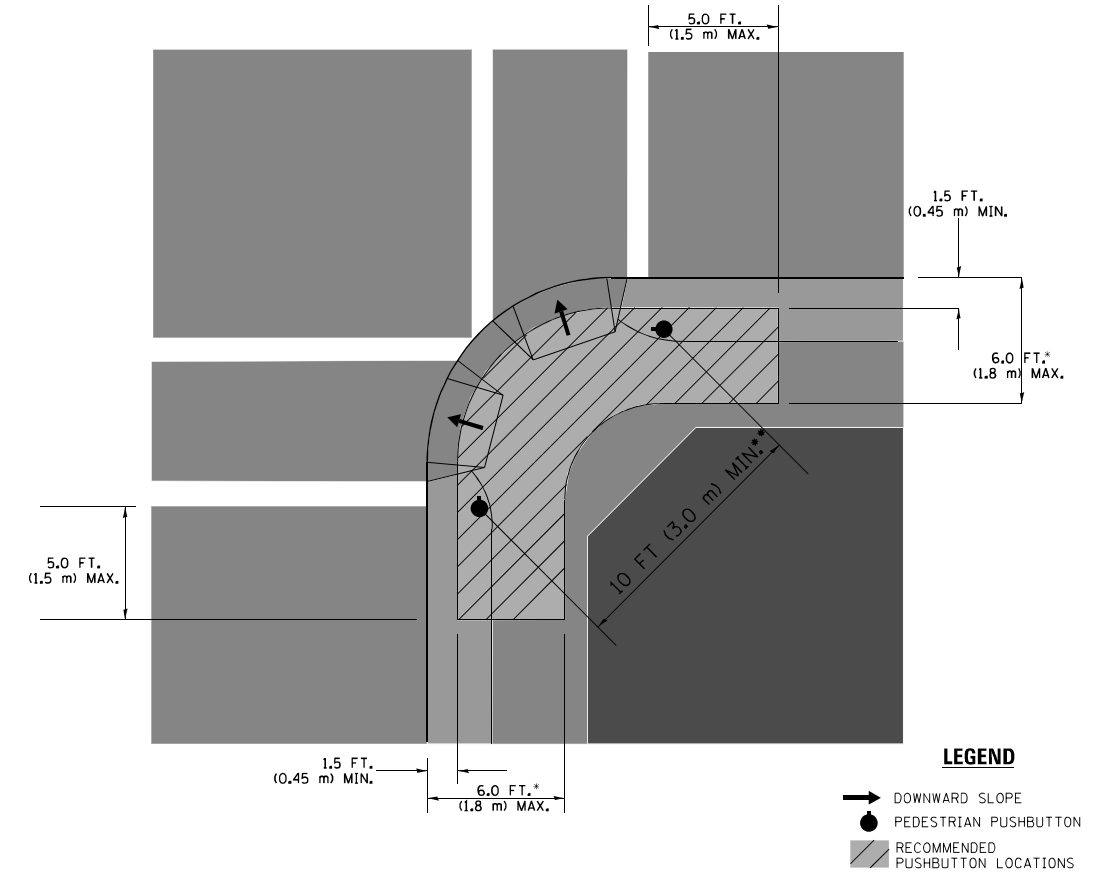
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



- 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) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

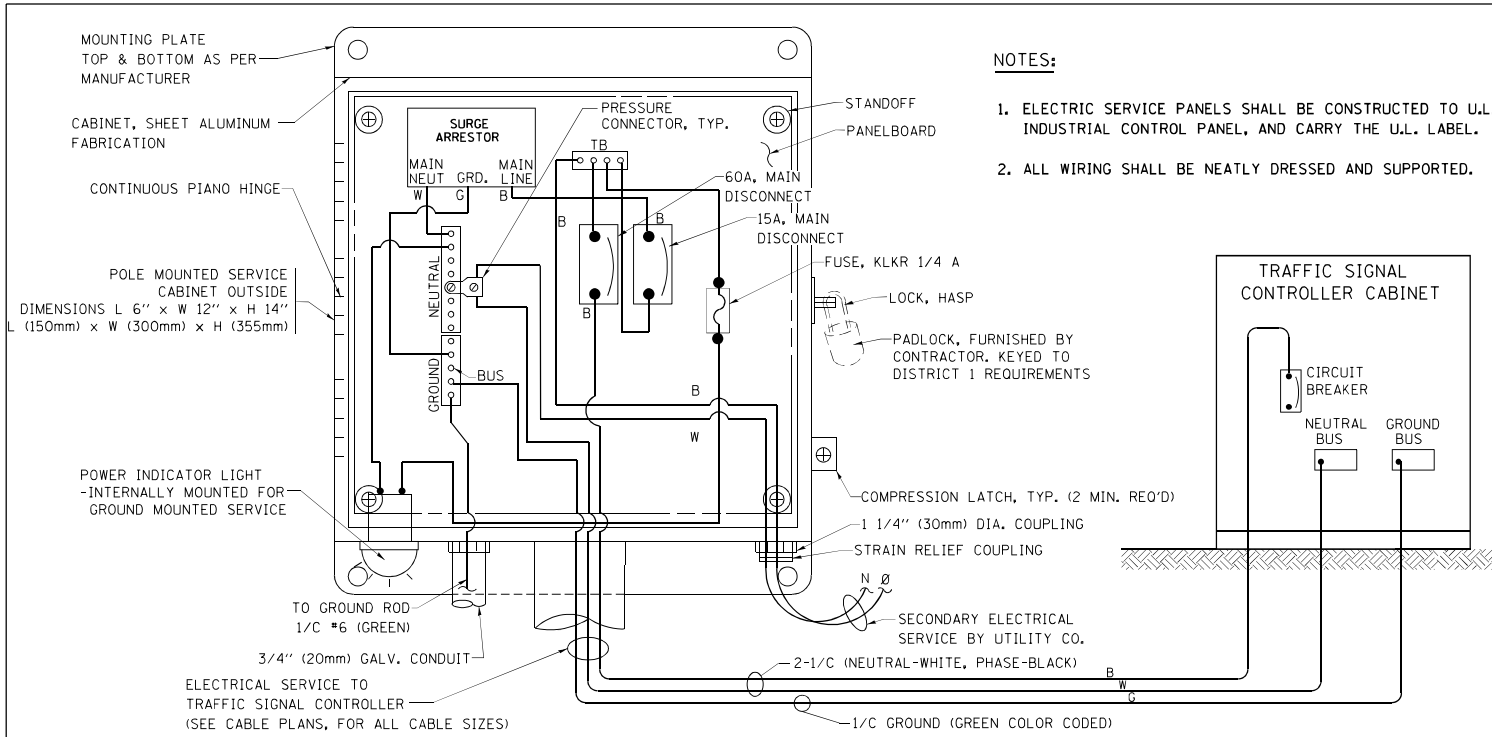
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

NOTES:

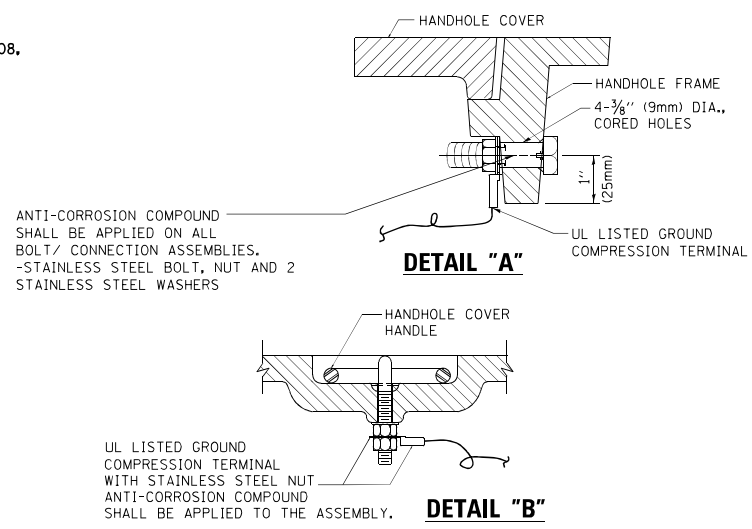
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM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

TS SHT NO. 03

FILE NAME =	USER NAME = footejmj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os:\pr_work\p\tdo\t\footejmj\d0108315\ts03.dgn	DRAWN - BCK	REVISED -	343			3041N-2 (12)	COOK	102	56	
PLOT SCALE = 50.0000' / 1" =	CHECKED - DAD	REVISED -	TS-05			CONTRACT NO. 60V98				
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	SCALE: NONE			SHEET NO. 3 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

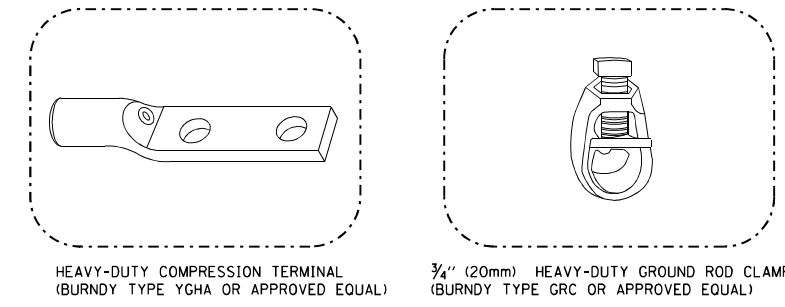
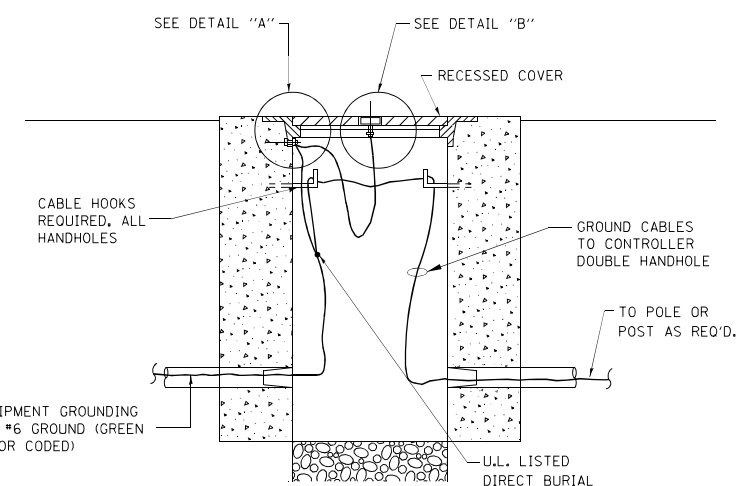


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

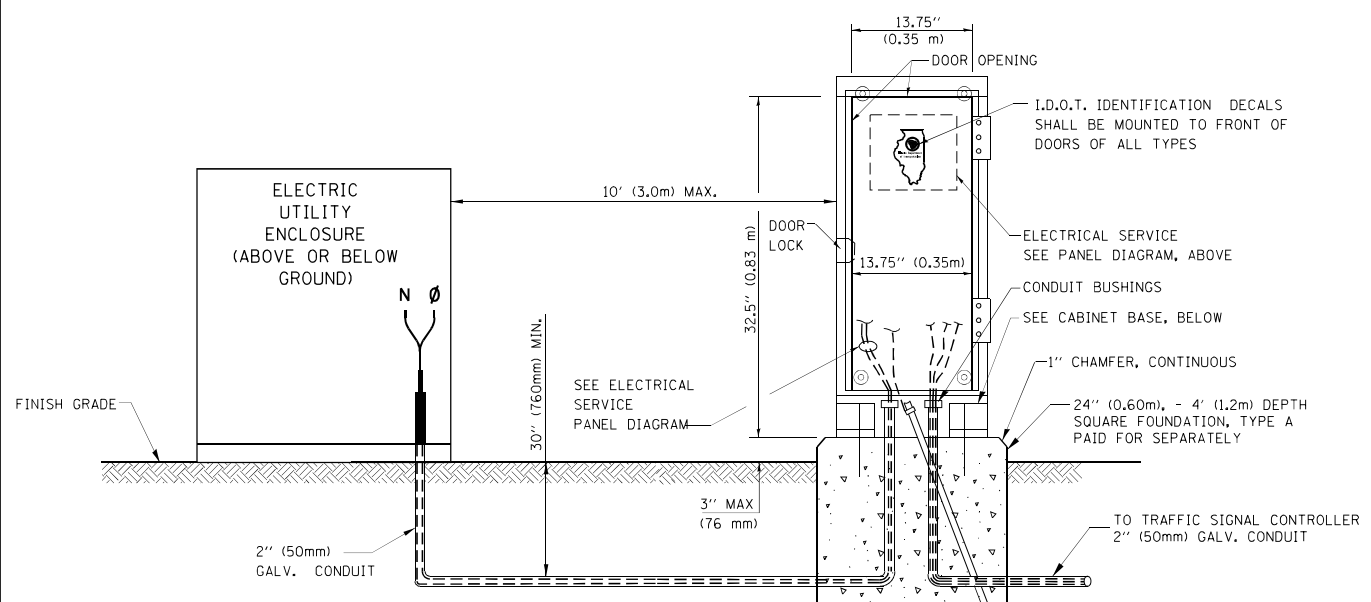
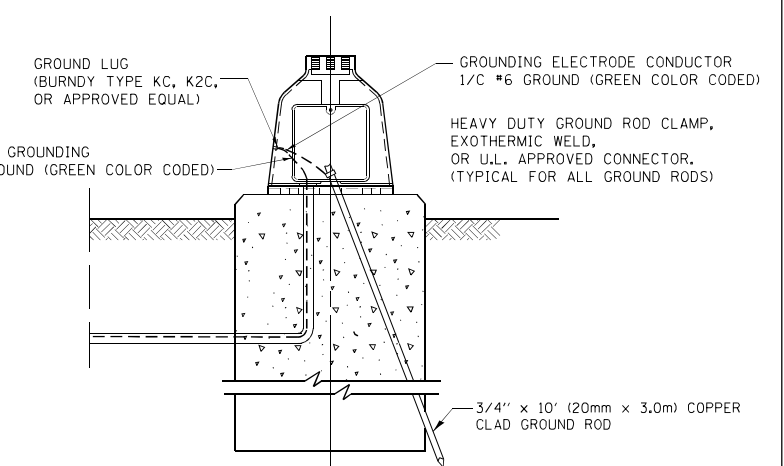
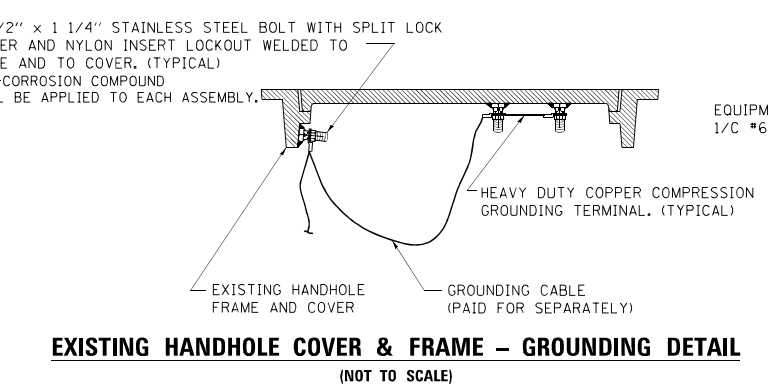


**NOTES:
GROUNDING SYSTEM**

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.

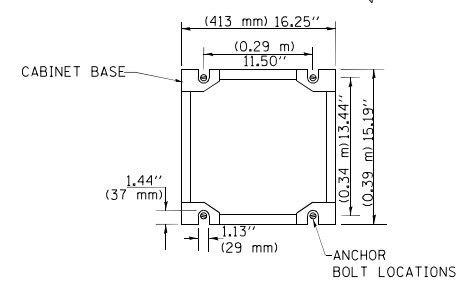


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



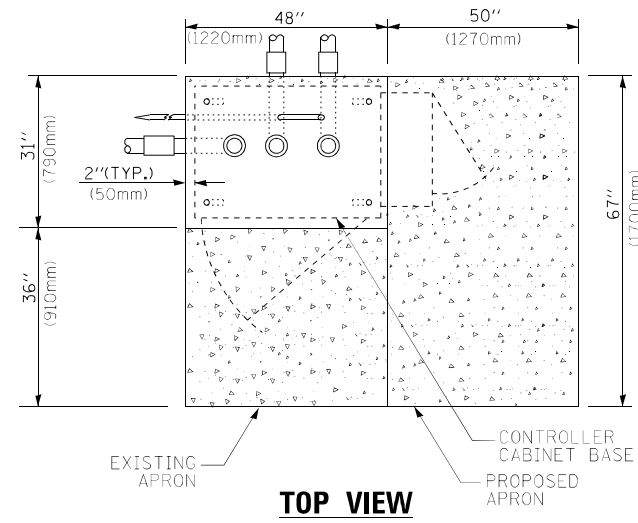
**SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)**

**CABINET – BASE BOLT PATTERN
(NOT TO SCALE)**

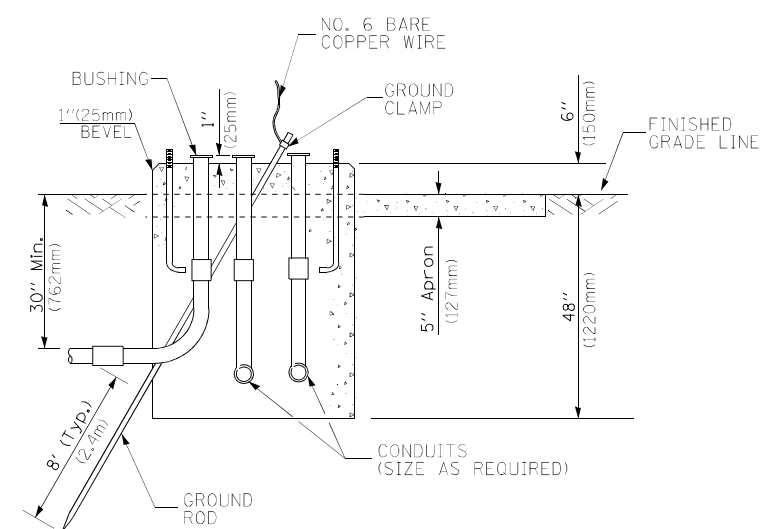


TS SHT NO. 04

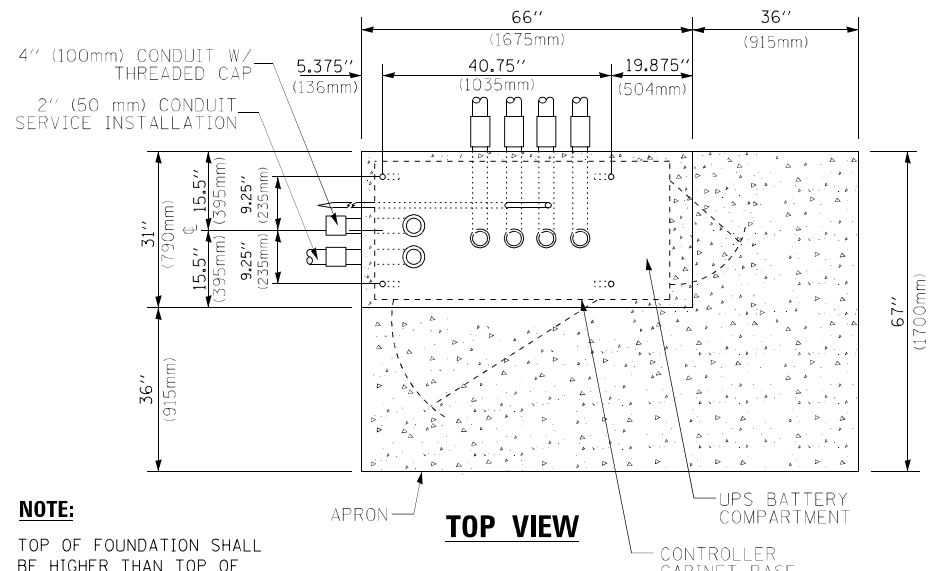
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os:\pr-work\pido\faemj\d0108315\ts05.dgn	PLOT SCALE = 50.0000 / 1" = 50'	CHECKED - DAD	REVISED -		SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 60V98		
PLOT DATE = 1/13/2014	DATE = 10-28-09	REVISED -	REVISED -									



TOP VIEW

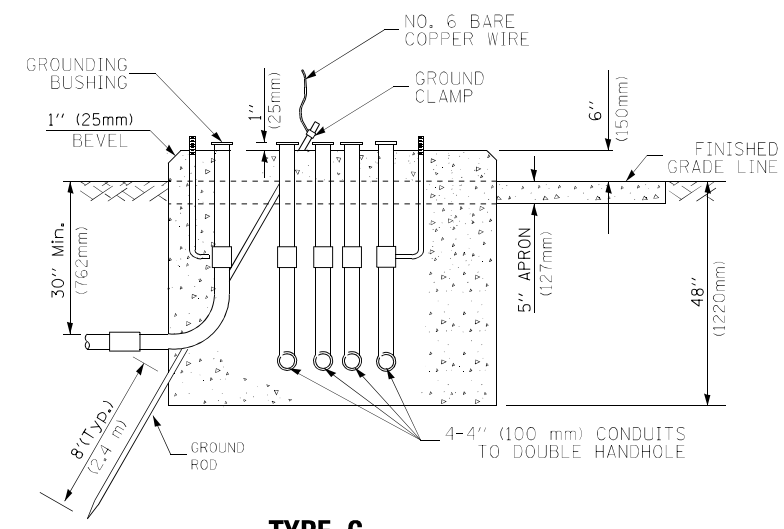


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

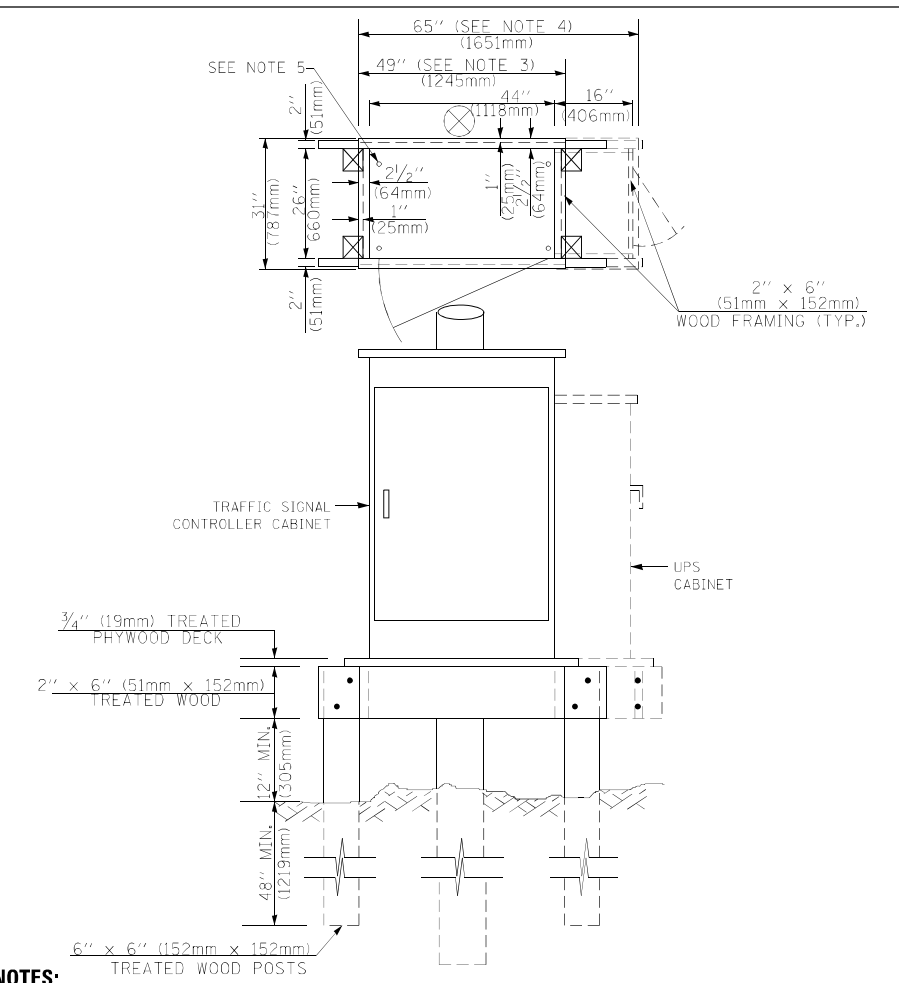


TOP VIEW

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



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

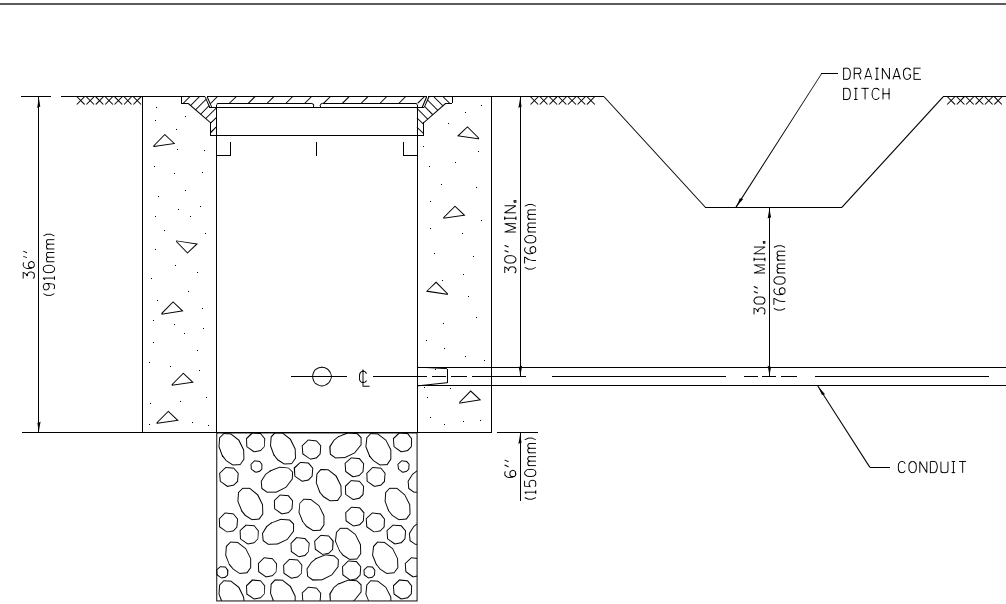
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal 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

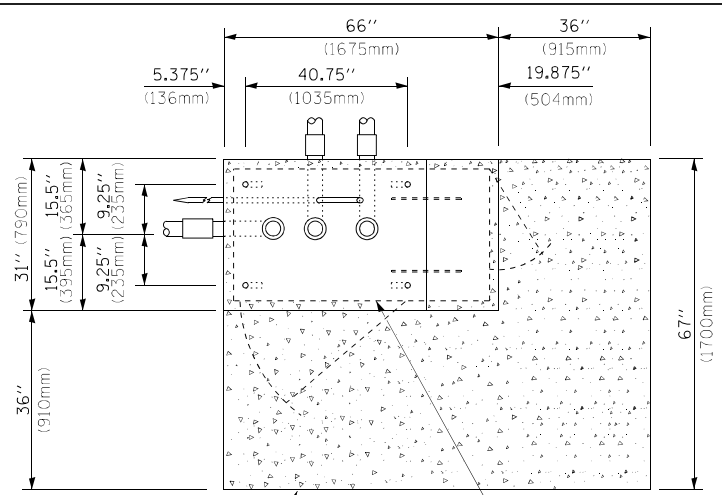
TS SHT NO. 05



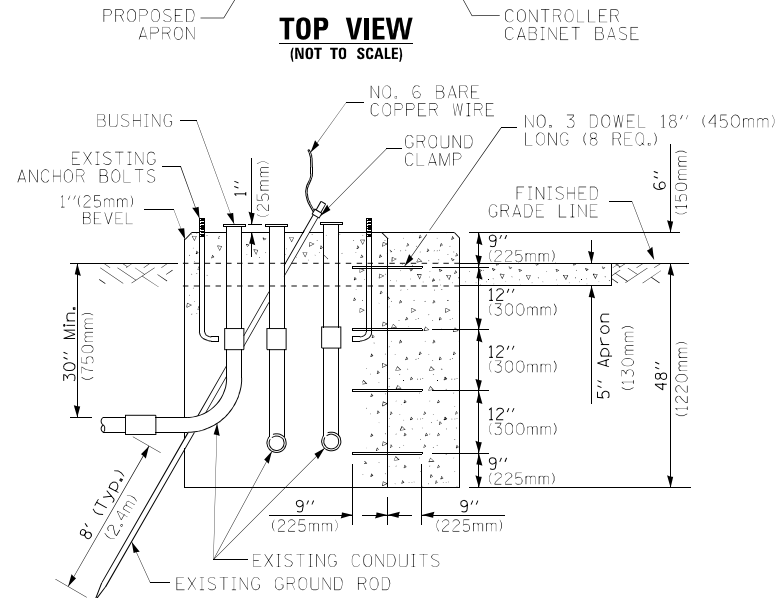
NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

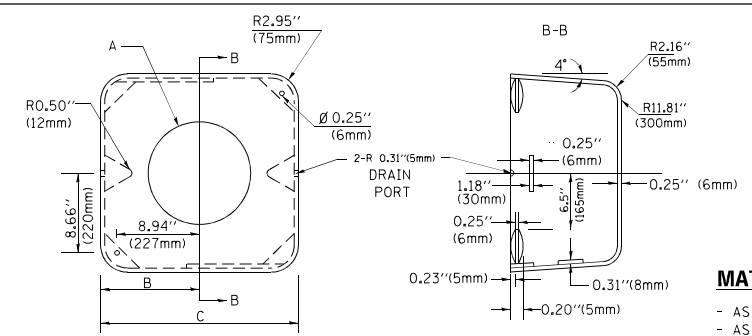


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

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



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

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

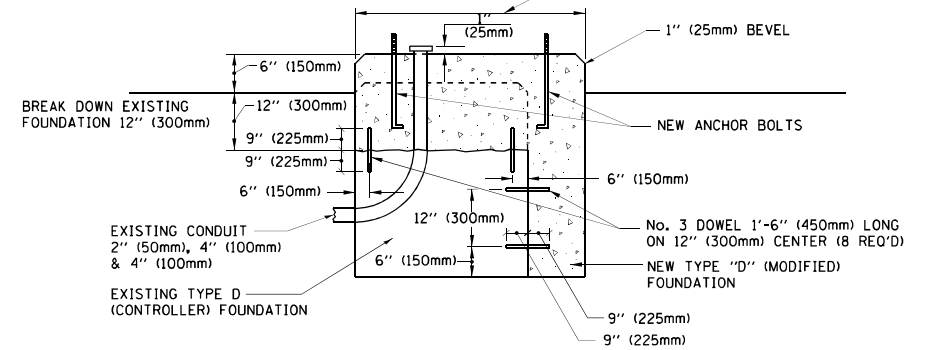
SHROUD

NOTES:

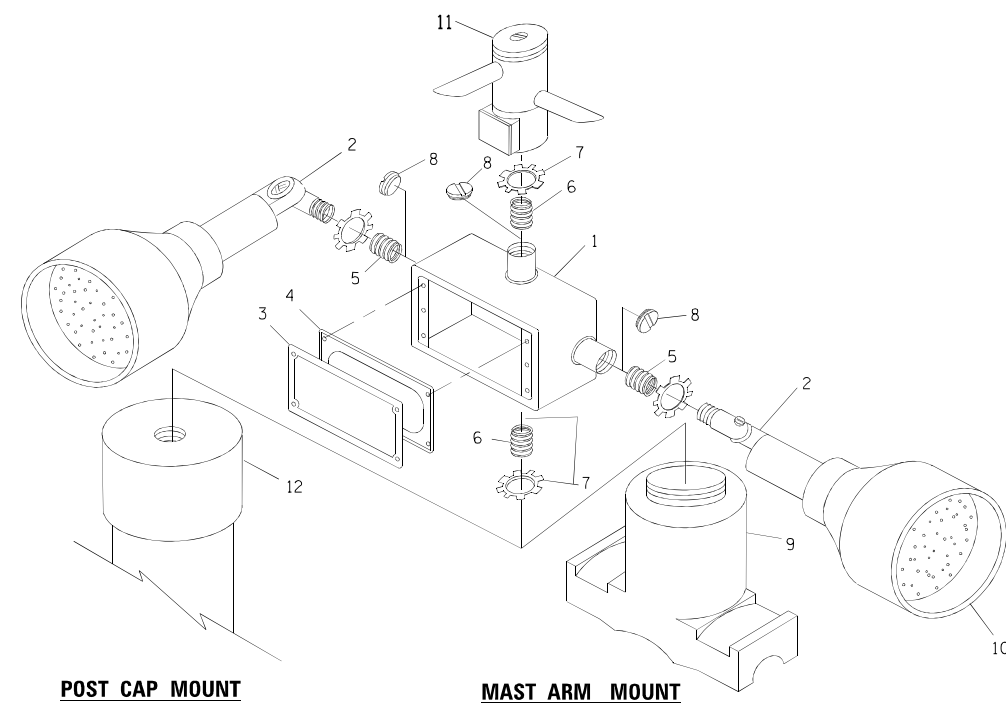
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

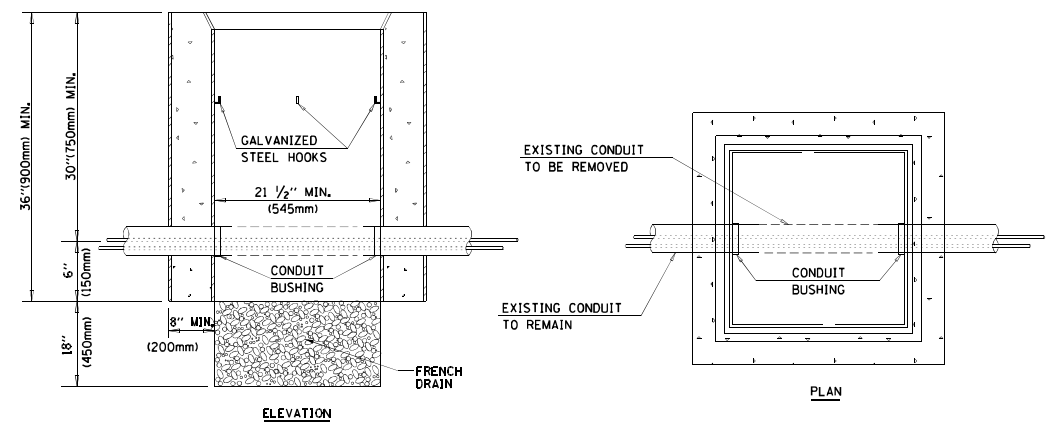
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



NOTES:

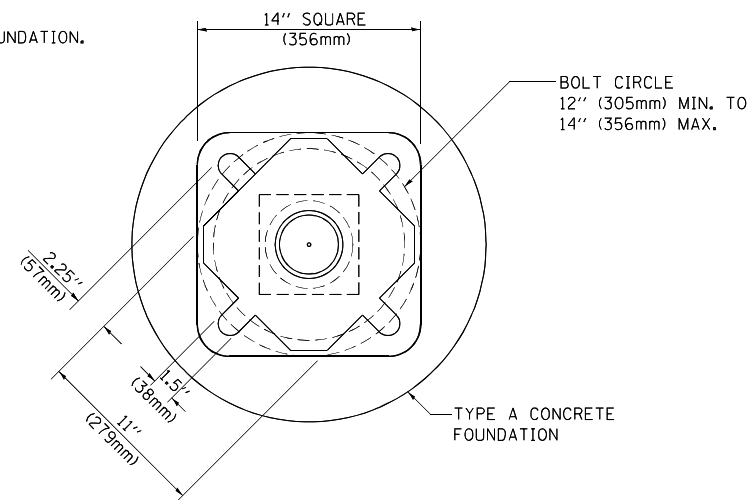
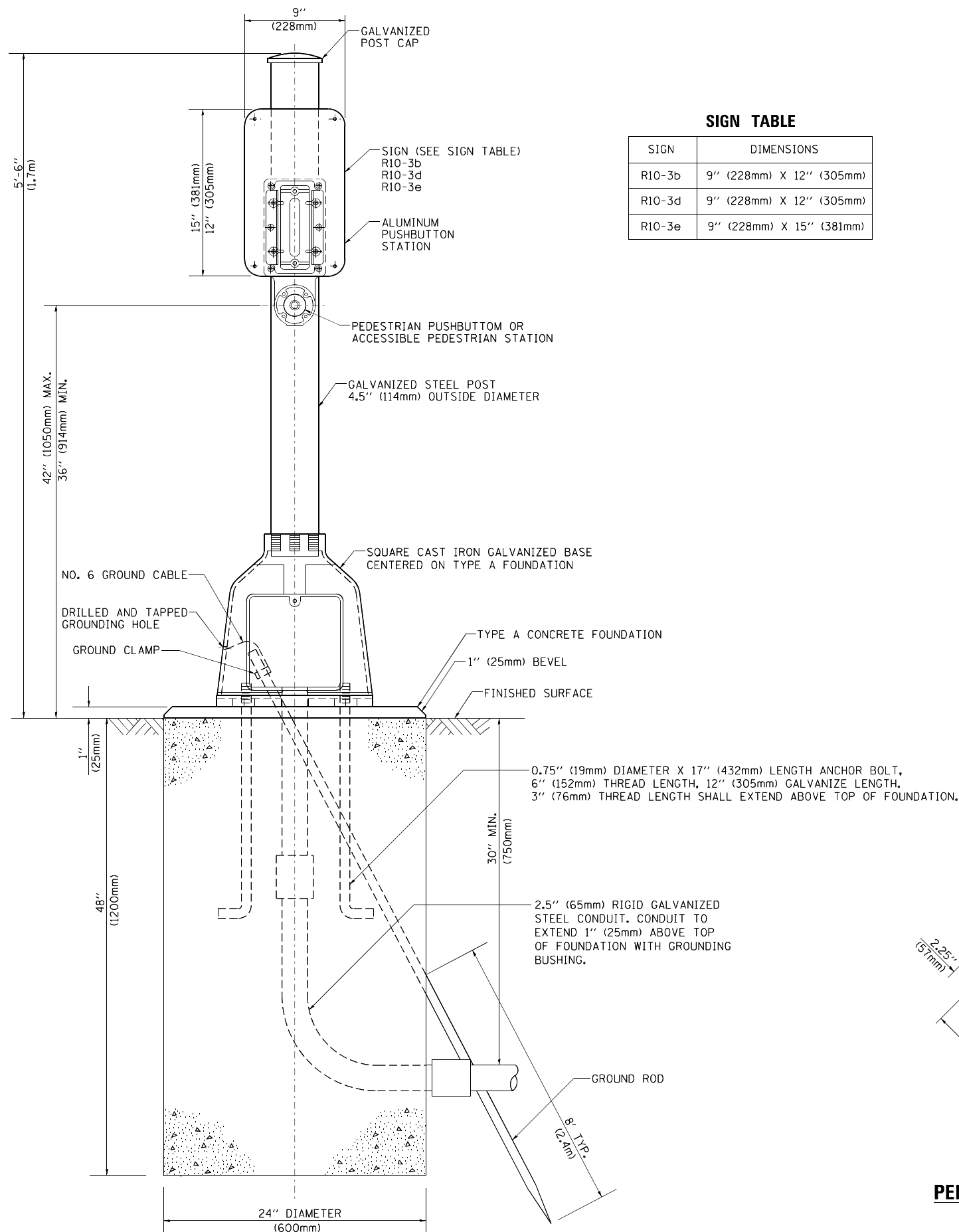
1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 06

SIGN TABLE

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



BOLT PATTERN
PEDESTRIAN PUSH BUTTON POST, TYPE A

TS SHT NO. 07

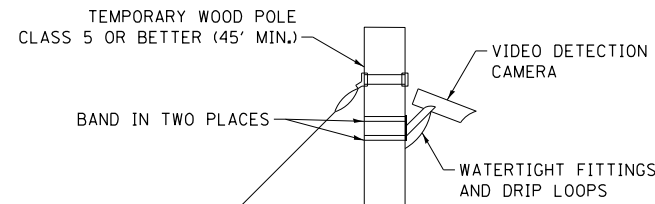
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

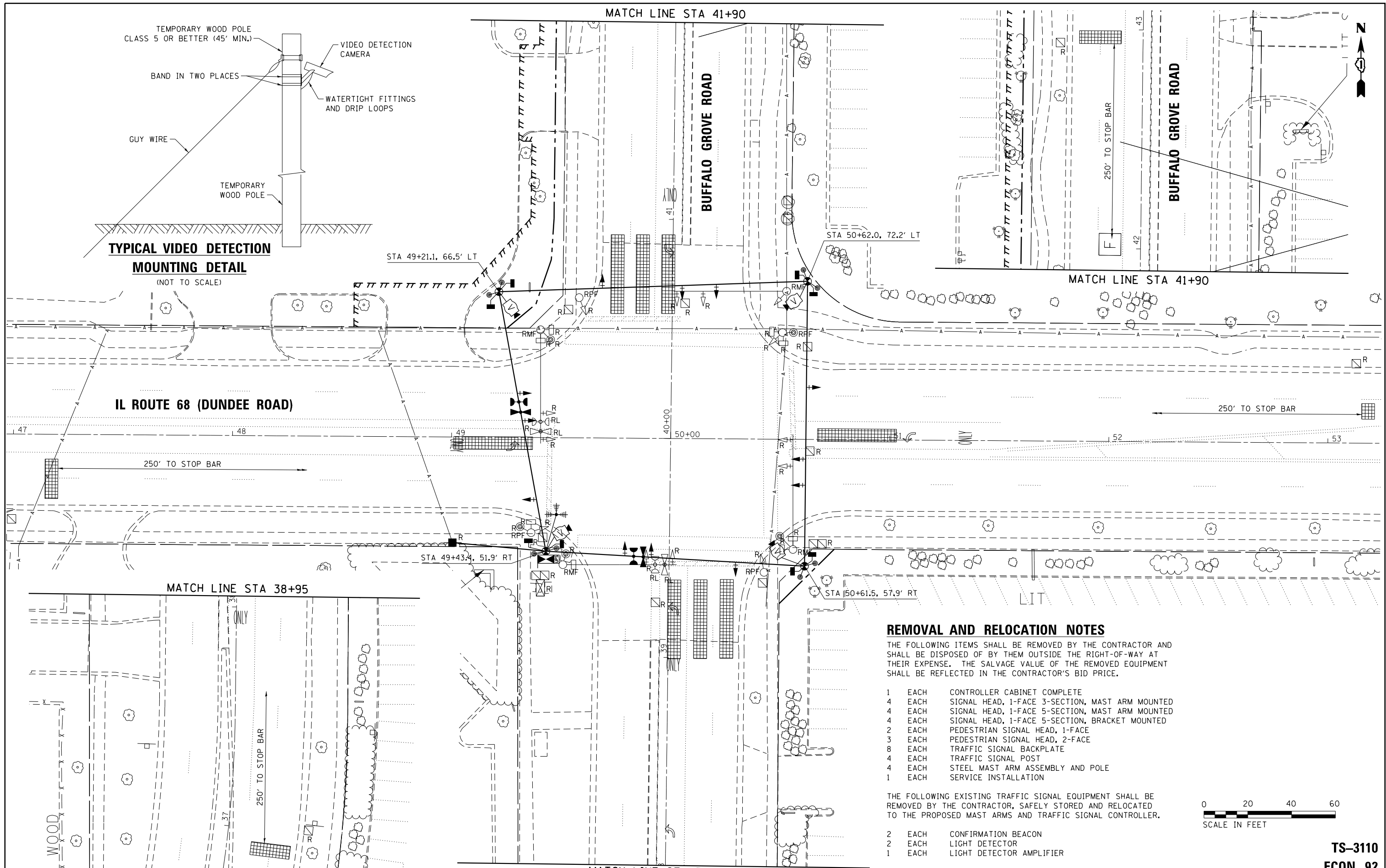
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	60
TS-05		CONTRACT NO. 60V98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TYPICAL VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)



REMOVAL AND RELOCATION NOTES

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 CONTRACTOR'S BID PRICE.

- 1 EACH CONTROLLER CABINET COMPLETE
- 4 EACH SIGNAL HEAD, 1-FACE 3-SECTION, MAST ARM MOUNTED
- 4 EACH SIGNAL HEAD, 1-FACE 5-SECTION, MAST ARM MOUNTED
- 4 EACH SIGNAL HEAD, 1-FACE 5-SECTION, BRACKET MOUNTED
- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 3 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH TRAFFIC SIGNAL POST
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 9



USER NAME = SJohnson	DESIGNED - WBL	REVISED -
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PLOT SCALE = 48.0000" / in.	CHECKED - BKS	REVISED -
PLOT DATE = 3/14/2016	DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

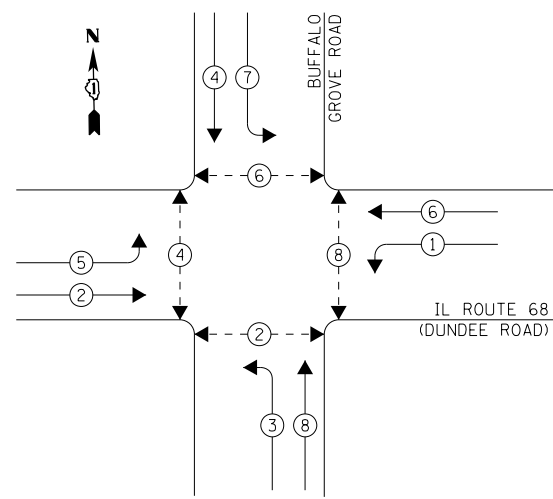
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 343	SECTION 304IN-2 (12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 62
CONTRACT NO. 60V98				ILLINOIS FED. AID PROJECT

TS-3110
ECON 92

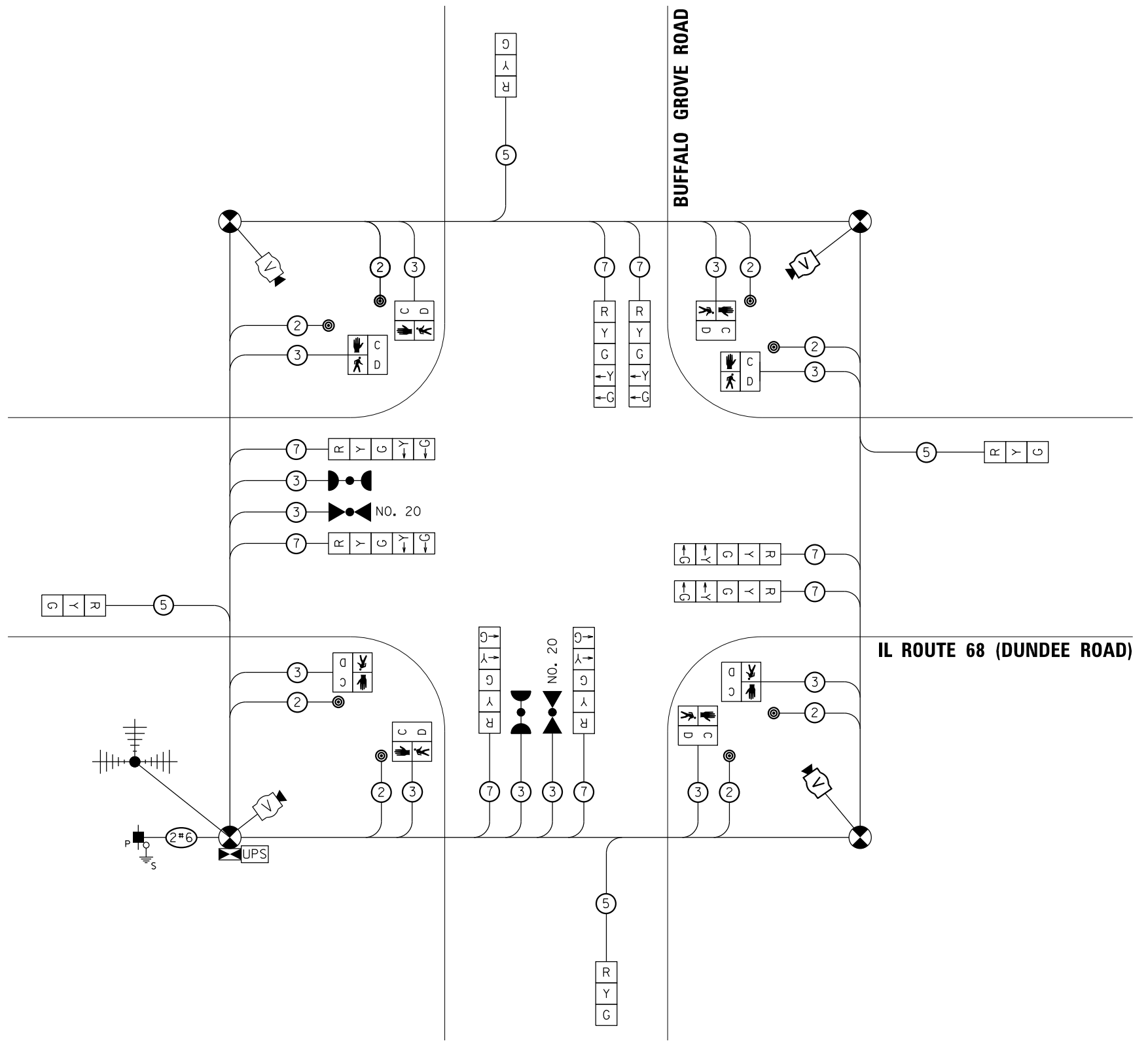
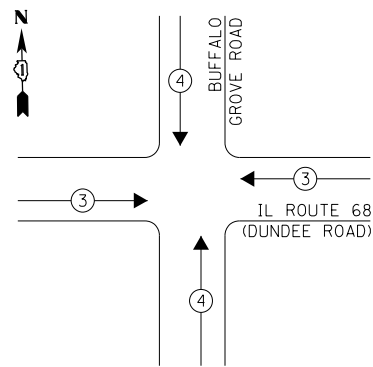
EXISTING CONTROLLER SEQUENCE



LEGEND

- ← ● → DUAL ENTRY PHASE
- ← ● → PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



TEMPORARY CABLE PLAN

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	-	17	0.50	102.0
(YELLOW)	12	-	25	0.25	75.0
(GREEN)	12	-	15	0.25	45.0
ARROW	16	-	12	0.10	19.4
PED. SIGNAL	8	-	25	1.00	200.0
CONTROLLER	1	100	-	1.00	100.0
ILLUM. SIGN	-	-	-	0.50	-
VIDEO SYSTEM	1	150	-	1.00	150.0
BATTERY BACKUP	1	25	-	1.00	25.0
LUMINAIRE	-	-	-	0.50	-
FLASHER	-	-	-	0.50	-
TOTAL =					716.2

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY- CONTACT KATRINA TAYLOR
PHONE (847) 816-5492
COMPANY COMMONWEALTH EDISON
ACCOUNT NUMBER 01681-37086

TS SHT NO. 10



USER NAME = SJohnson
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PLOT SCALE = 2.0000" / in.
PLOT DATE = 3/14/2016

DESIGNED - WBL
DRAWN - SVJ
CHECKED - BKS
DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	63
CONTRACT NO. 60V98				

TS-3110
ECON 92

ILLINOIS FED. AID PROJECT

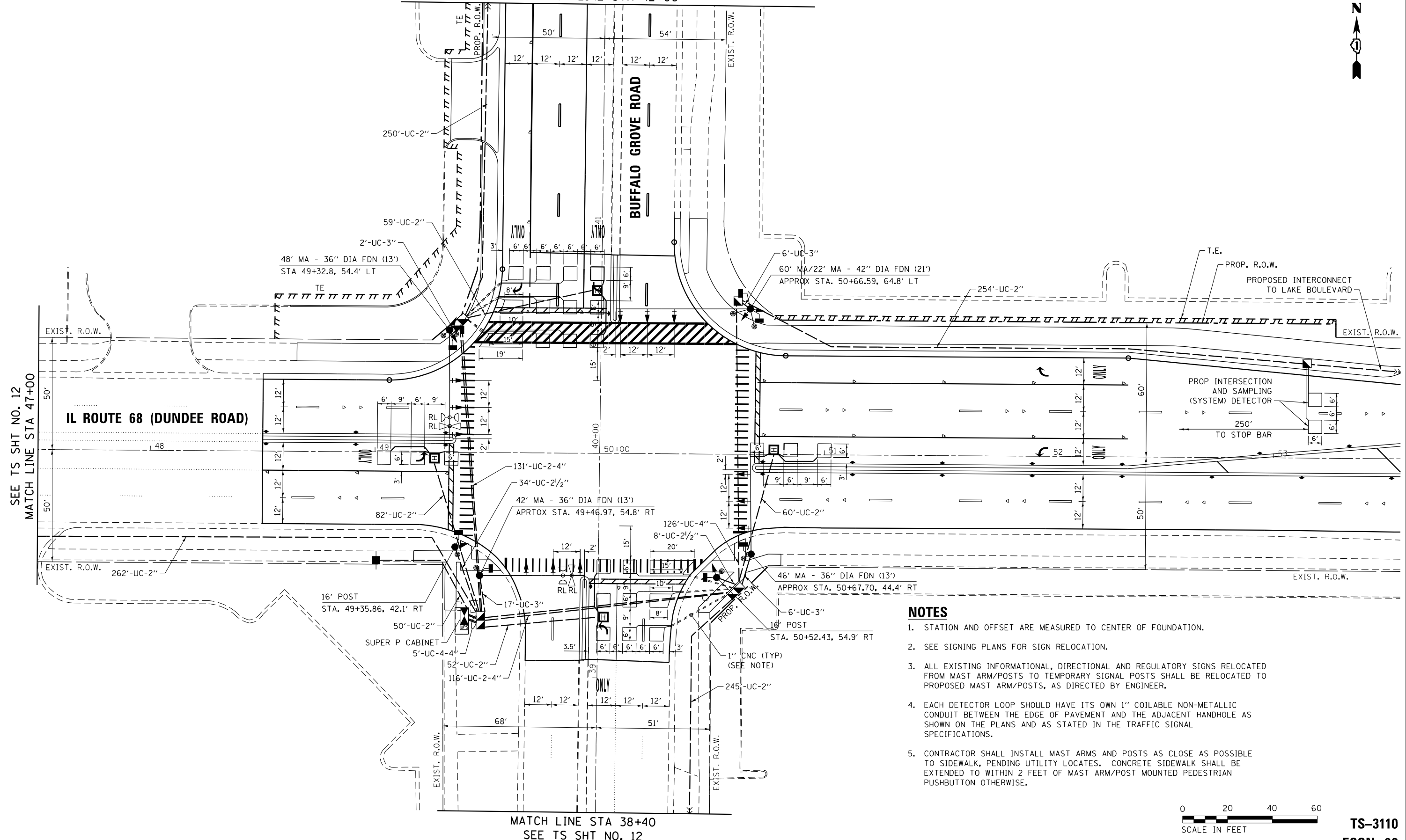
SEE TS SHT NO. 12
MATCH LINE STA 42+00



SEE TS SHT NO. 12
MATCH LINE STA 47+00

IL ROUTE 68 (DUNDEE ROAD)

BUFFALO GROVE ROAD



NOTES

1. STATION AND OFFSET ARE MEASURED TO CENTER OF FOUNDATION.
2. SEE SIGNING PLANS FOR SIGN RELOCATION.
3. ALL EXISTING INFORMATIONAL, DIRECTIONAL AND REGULATORY SIGNS RELOCATED FROM MAST ARM/POSTS TO TEMPORARY SIGNAL POSTS SHALL BE RELOCATED TO PROPOSED MAST ARM/POSTS, AS DIRECTED BY ENGINEER.
4. EACH DETECTOR LOOP SHOULD HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
5. CONTRACTOR SHALL INSTALL MAST ARMS AND POSTS AS CLOSE AS POSSIBLE TO SIDEWALK, PENDING UTILITY LOCATES. CONCRETE SIDEWALK SHALL BE EXTENDED TO WITHIN 2 FEET OF MAST ARM/POST MOUNTED PEDESTRIAN PUSHBUTTON OTHERWISE.



TS-3110
ECON 92

TS SHT NO. 11

MATCH LINE STA 38+40
SEE TS SHT NO. 12



USER NAME = SJohnson	DESIGNED - WBL	REVISED -
FILE NAME = D:\12345-sht-ts-installation-01.dwg	DRAWN - SVJ	REVISED -
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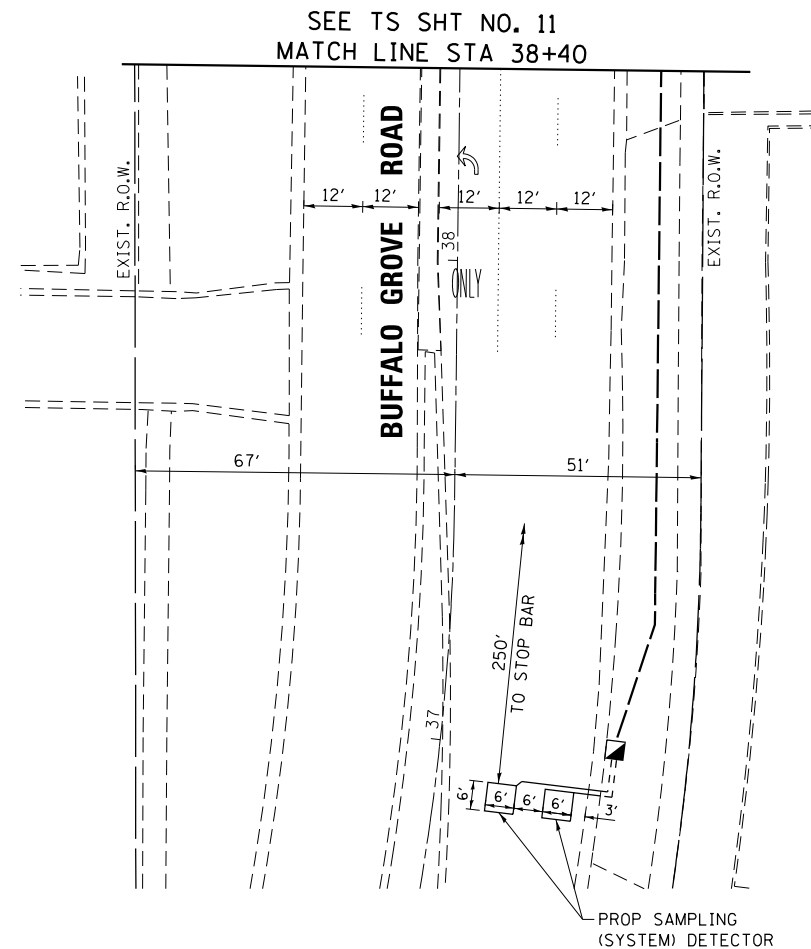
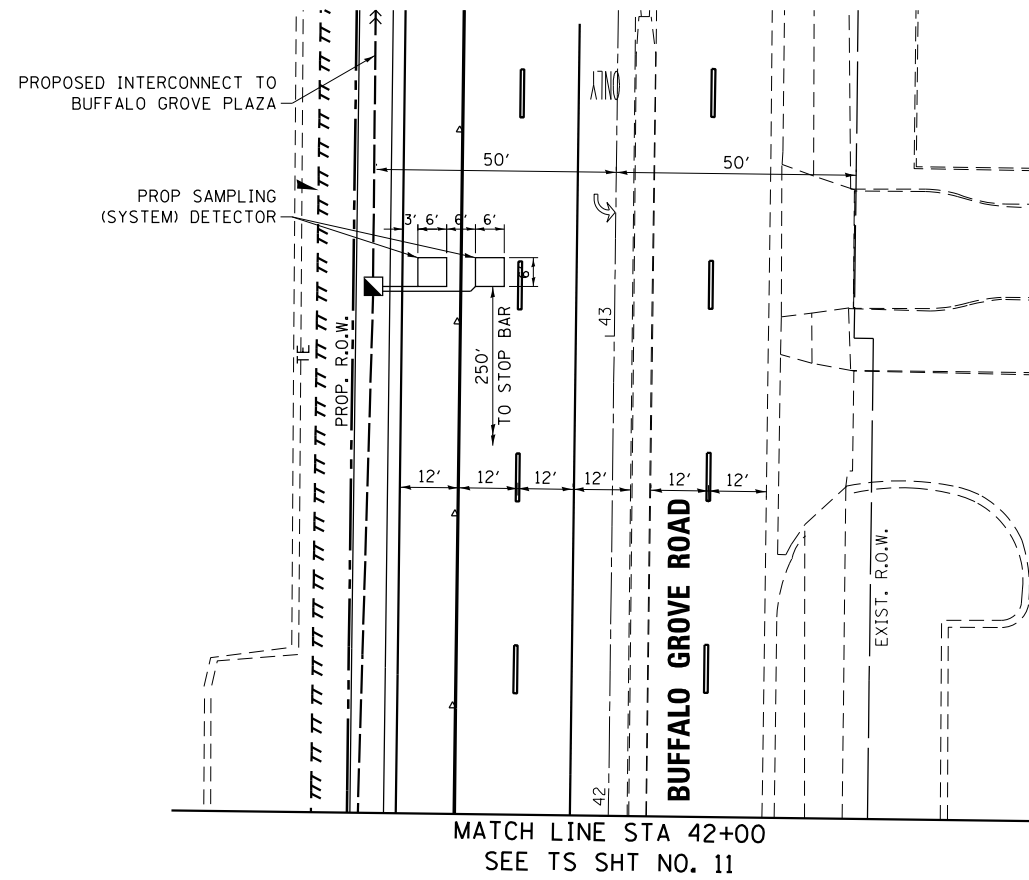
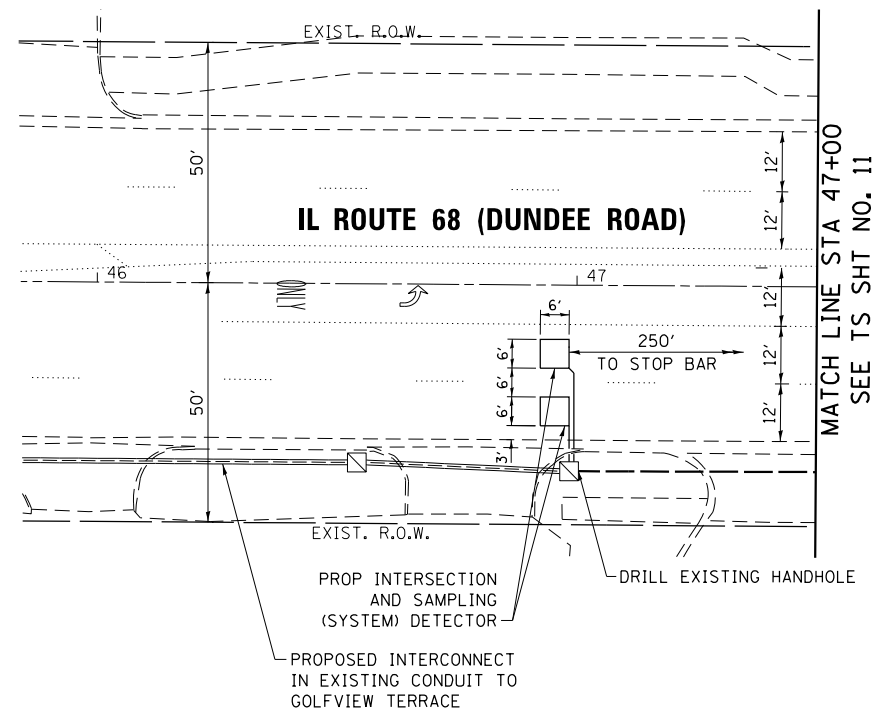
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	64
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

TS SHT NO. 12



NOTES

1. STATION AND OFFSET ARE MEASURED TO CENTER OF FOUNDATION.
2. SEE SIGNING PLANS FOR SIGN RELOCATION.
3. ALL EXISTING INFORMATIONAL, DIRECTIONAL AND REGULATORY SIGNS RELOCATED FROM MAST ARM/POSTS TO TEMPORARY SIGNAL POSTS SHALL BE RELOCATED TO PROPOSED MAST ARM/POSTS, AS DIRECTED BY ENGINEER.
4. EACH DETECTOR LOOP SHOULD HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



**TS-3110
ECON 92**



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PLOT DATE = 3/14/2016	DATE -	REVISED -

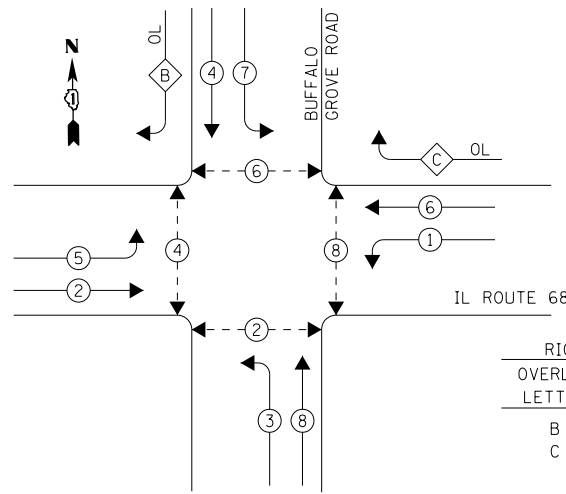
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	65
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE

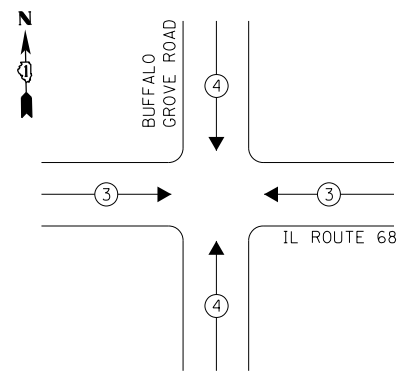


LEGEND

- ← ○ → DUAL ENTRY PHASE
- ← ◇ → OVERLAP
- ← ○ → PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION			
OVERLAP LETTER		PERMISSIVE PHASE	PROTECTED PHASE
B	=	4	+ 5
C	=	6	+ 7

PHASE DESIGNATION DIAGRAM

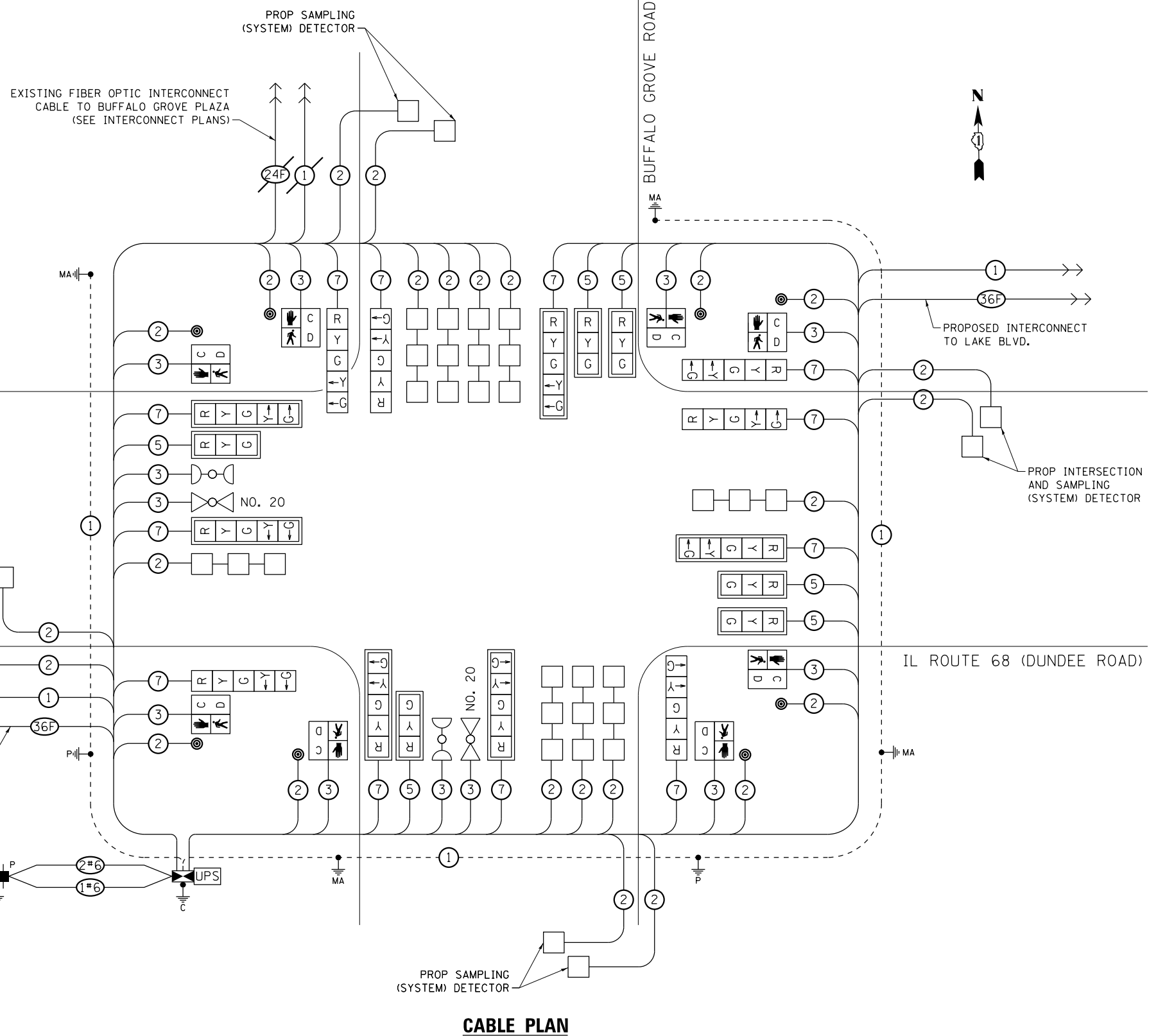


I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	-	17	0.50	153.0
(YELLOW)	18	-	25	0.25	112.5
(GREEN)	18	-	15	0.25	67.5
ARROW	24	-	12	0.10	28.8
PED. SIGNAL	8	-	25	1.00	200.0
CONTROLLER	1	100	-	1.00	100.0
ILLUM. SIGN	-	-	-	0.50	-
VIDEO SYSTEM	-	-	-	1.00	-
BATTERY BACKUP	1	25	-	1.00	25.0
LUMINAIRE	-	-	-	0.50	-
FLASHER	-	-	-	0.50	-
TOTAL =					686.8

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY- CONTACT KATRINA TAYLOR
 PHONE (847) 816-5492
 COMPANY COMMONWEALTH EDISON
 ACCOUNT NUMBER 01681-37086



CABLE PLAN

TS SHT NO. 13



USER NAME = SJohnson
 FILE NAME = D:\12345-sht-ts-cableplan.dgn
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 PLOT DATE = 3/14/2016

DESIGNED -	WBL	REVISED -	
DRAWN -	SVJ	REVISED -	
CHECKED -	BKS	REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	66
CONTRACT NO. 60V98				

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

TS-3110 ECON 92

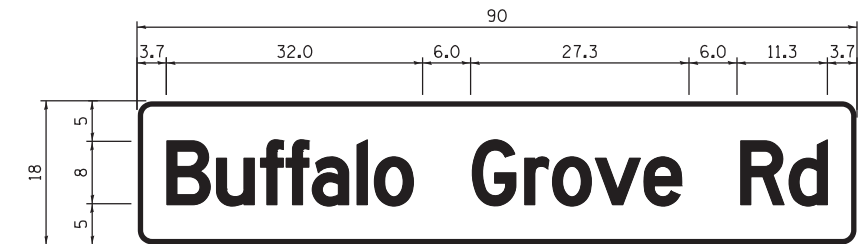
ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

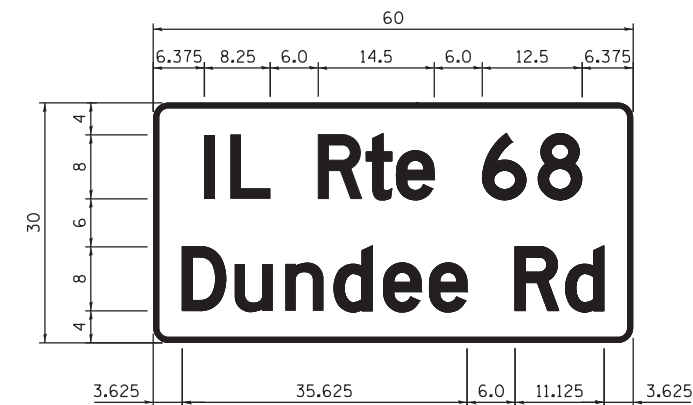
ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 2	SO FT	48
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1060
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	42
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	31
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	640
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1391
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1769
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1441
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2429
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4776
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	63
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C	FOOT	593
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	17
DETECTOR LOOP, TYPE I	FOOT	1271
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	326
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF BUFFALO GROVE

SIGN PANEL TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	2



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

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

TS SHT NO. 14

TS-3110
ECON 92



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PLOT DATE = 3/14/2016

DESIGNED - WBL
DRAWN - SVJ
CHECKED - BKS
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE
OF QUANTITIES IL ROUTE 68 AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

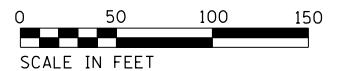
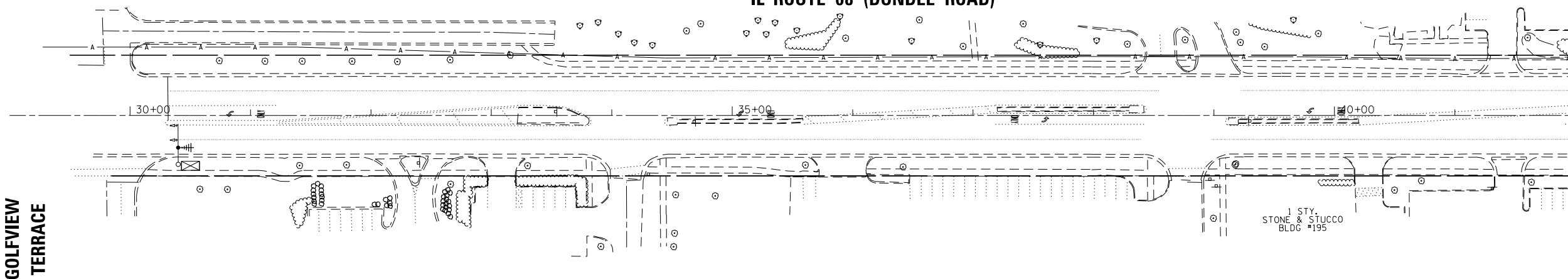
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	67
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

TS SHT NO. 15

GOLFVIEW
TERRACE

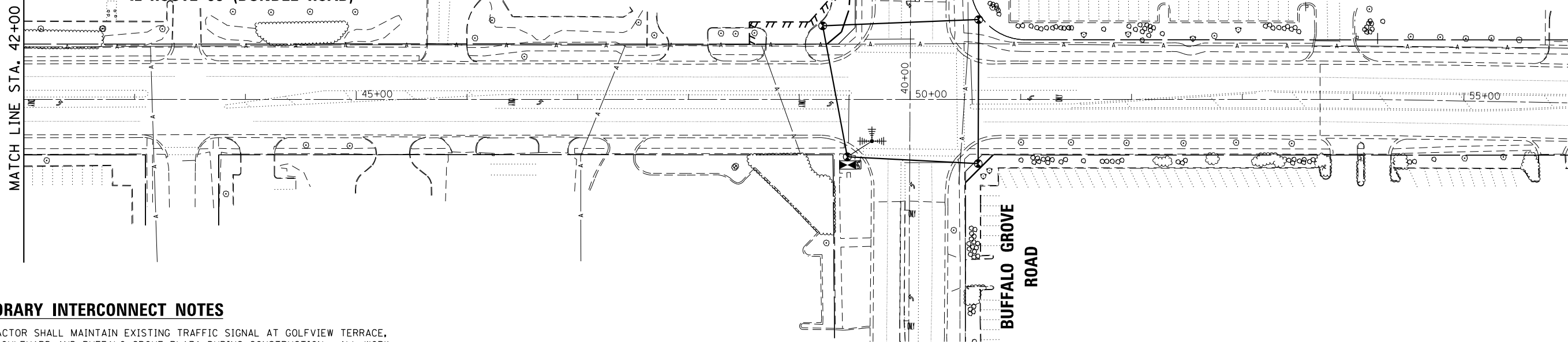
IL ROUTE 68 (DUNDEE ROAD)

MATCH LINE STA. 42+00



SEE TS SHEET NO. 16
MATCH LINE STA. 42+00

IL ROUTE 68 (DUNDEE ROAD)



MATCH LINE STA. 56+00
SEE TS SHEET NO. 16

BUFFALO GROVE
ROAD

TEMPORARY INTERCONNECT NOTES

- CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNAL AT GOLFVIEW TERRACE, LAKE BOULEVARD AND BUFFALO GROVE PLAZA DURING CONSTRUCTION. ALL WORK ASSOCIATED WITH THE ANTENNA, CABLE AND ITEMS IN CABINET SHALL BE INCLUDED IN THE "TEMPORARY TRAFFIC SIGNAL INSTALLATION" PAY ITEM.



USER NAME = SJohnson	DESIGNED - WBL	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

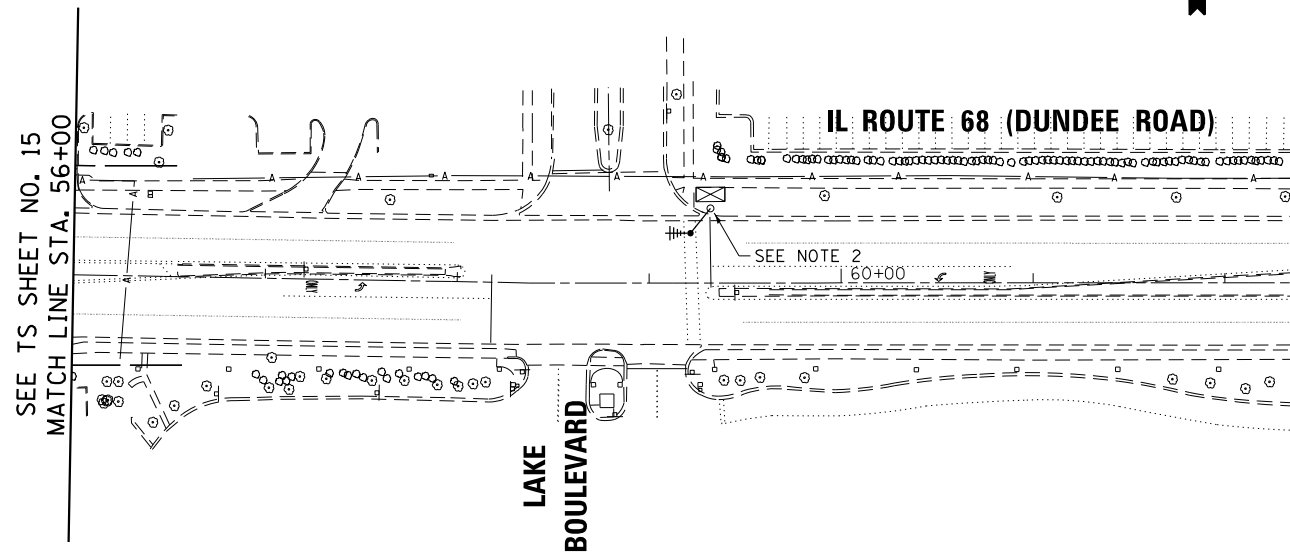
TEMPORARY INTERCONNECT PLAN (SHEET 1 OF 2)
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	68
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

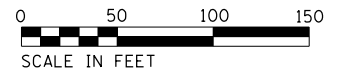
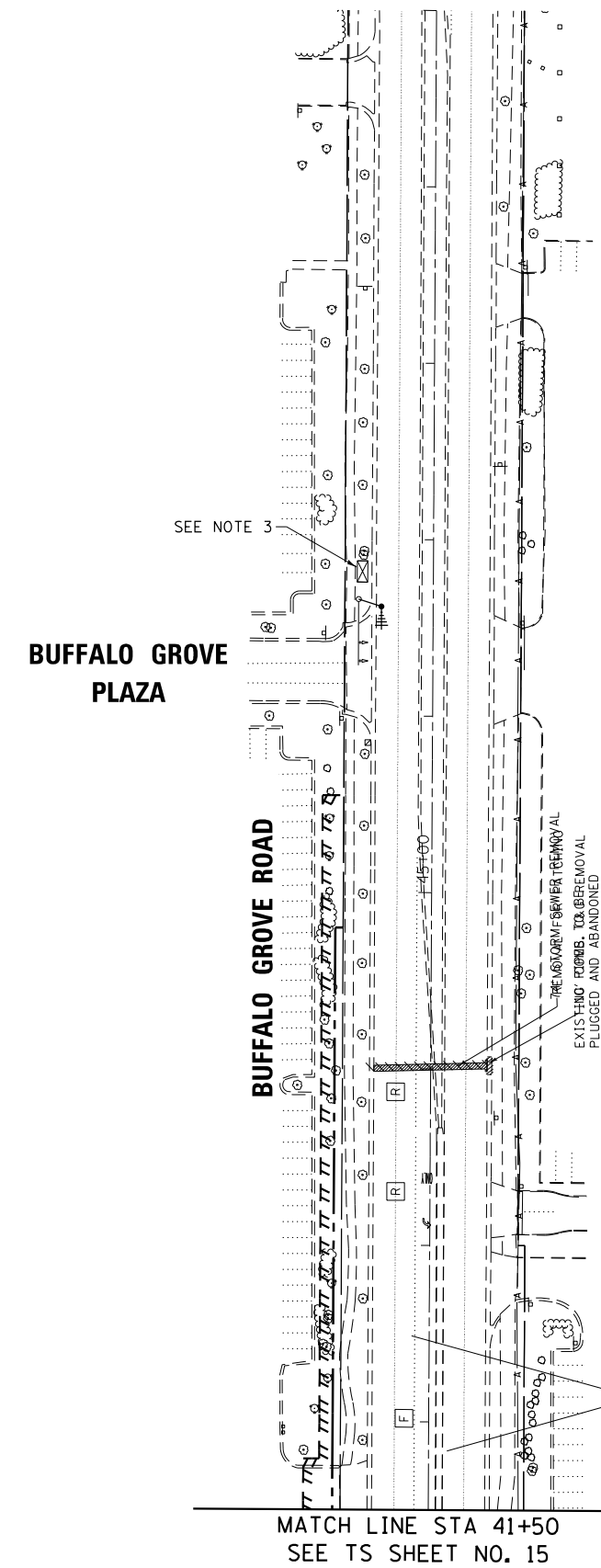
ECON-92

TS SHT NO. 16



TEMPORARY INTERCONNECT NOTES

1. CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNAL AT GOLFVIEW TERRACE, LAKE BOULEVARD AND BUFFALO GROVE PLAZA DURING CONSTRUCTION. ALL WORK ASSOCIATED WITH THE ANTENNA, CABLE AND ITEMS IN CABINET SHALL BE INCLUDED IN THE "TEMPORARY TRAFFIC SIGNAL INSTALLATION" PAY ITEM.
2. CONTRACTOR SHALL BAND 2-INCH STEEL PIPE TO EXISTING POST AS NECESSARY FOR INSTALLATION AND OPERATION OF WIRELESS INTERCONNECT ANTENNA, DRILLING HOLE THROUGH POLE CAP FOR CABLING (SEAL WITH PUTTY). EXISTING CAP SHALL BE REPLACED WITH NEW CAP UPON REMOVAL OF TEMPORARY INTERCONNECT. ALL WORK AS DESCRIBED HEREIN SHALL BE INCLUDED IN COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" PAY ITEM.
3. CONTRACTOR SHALL REMOVE EXISTING FIBER OPTIC AND TRACER CABLES FROM IL ROUTE 68 TOWARD BUFFALO GROVE PLAZA TRAFFIC SIGNAL, COILING CABLES IN THE HANDHOLE NEAR STA 45+90 LT. THESE CABLES SHALL BE REINSTALLED THROUGH THE PROPOSED CONDUIT. THIS WORK SHALL BE PAID FOR AS REMOVE AND REINSTALL CABLE FROM CONDUIT. ANY CABLE DAMAGED AS A RESULT OF THIS WORK SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.



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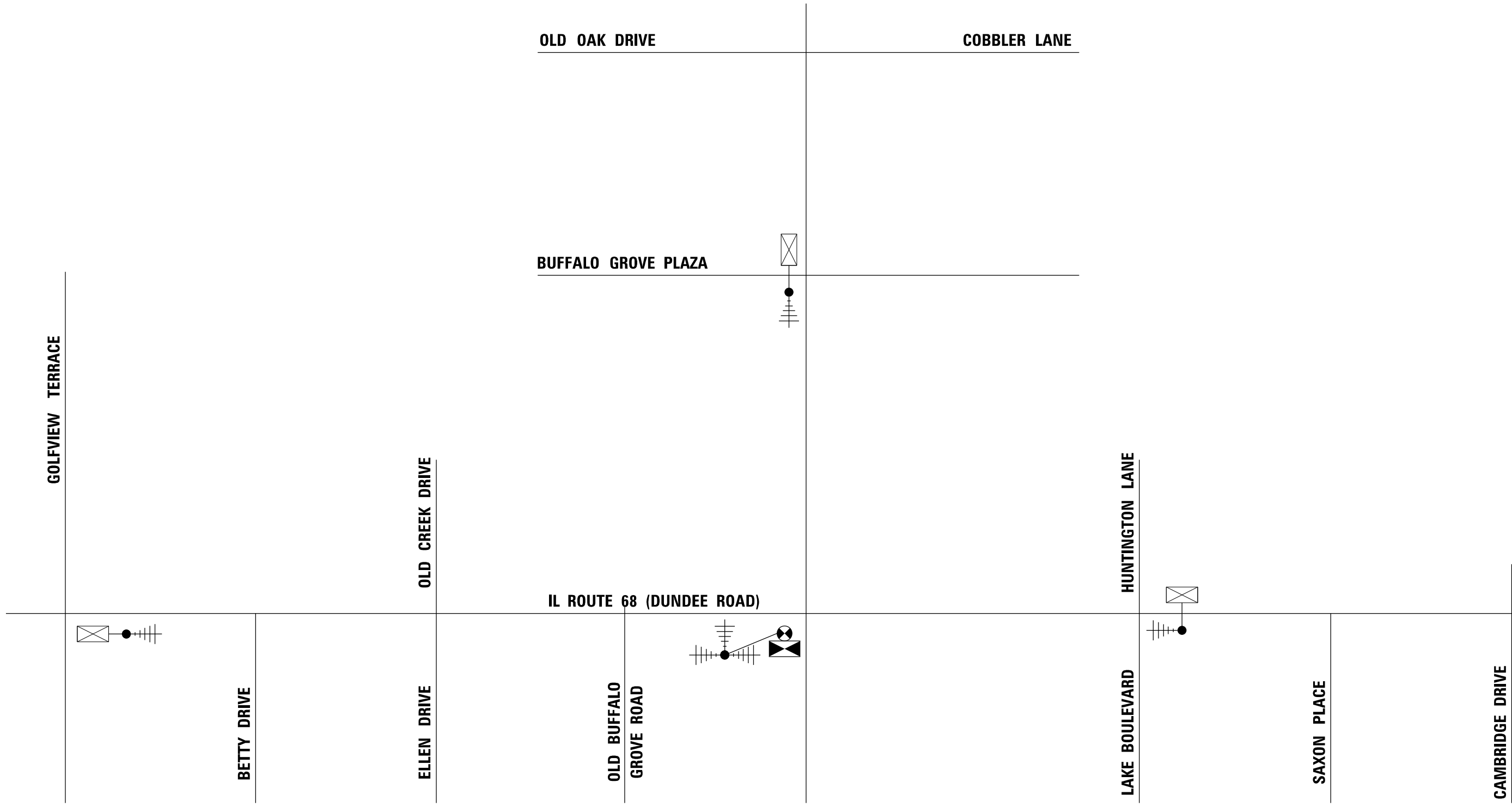
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN (SHEET 2 OF 2)
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 343	SECTION 3041N-2 (12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 69
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

ECON-92



TS SHT NO. 17



USER NAME = SJohnson	DESIGNED - WBL	REVISED -
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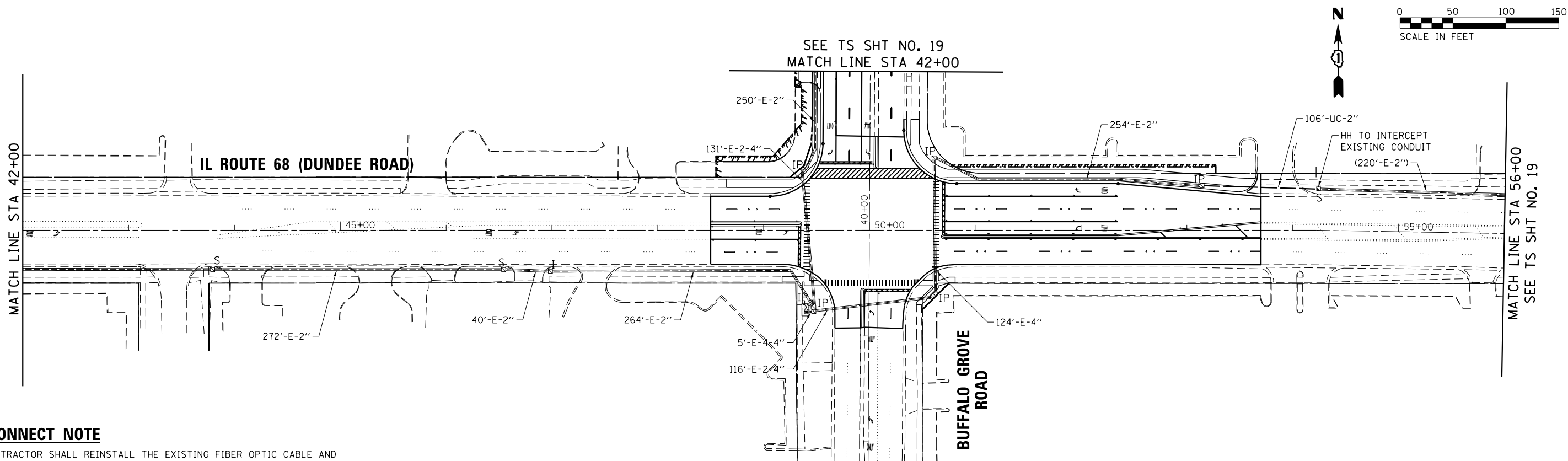
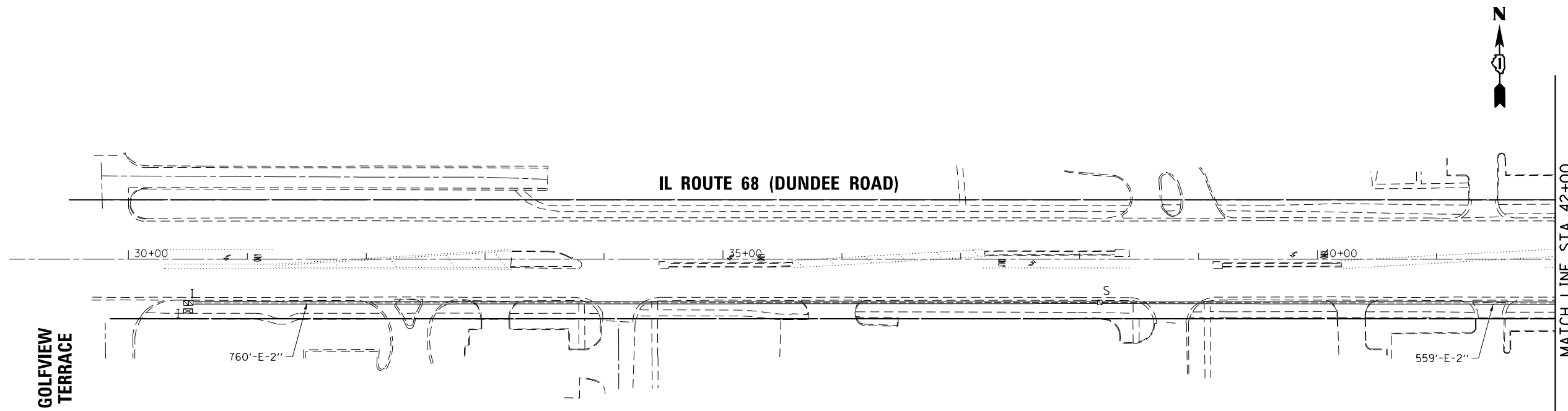
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	70
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

ECON-92



INTERCONNECT NOTE

1. THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE THROUGH THE PROPOSED CONDUIT BETWEEN BUFFALO GROVE PLAZA AND IL ROUTE 68 (DUNDEE ROAD).

TS SHT NO. 18



USER NAME = SJohnson	DESIGNED - WBL	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

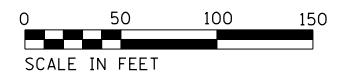
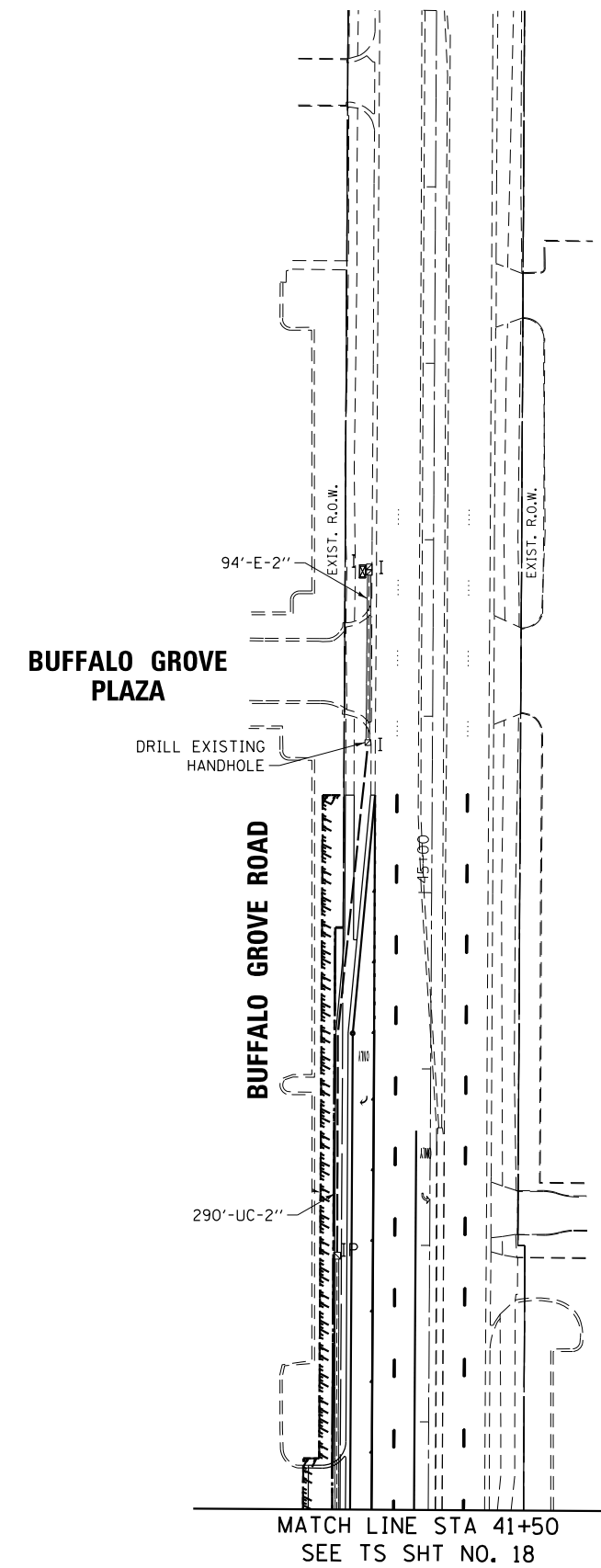
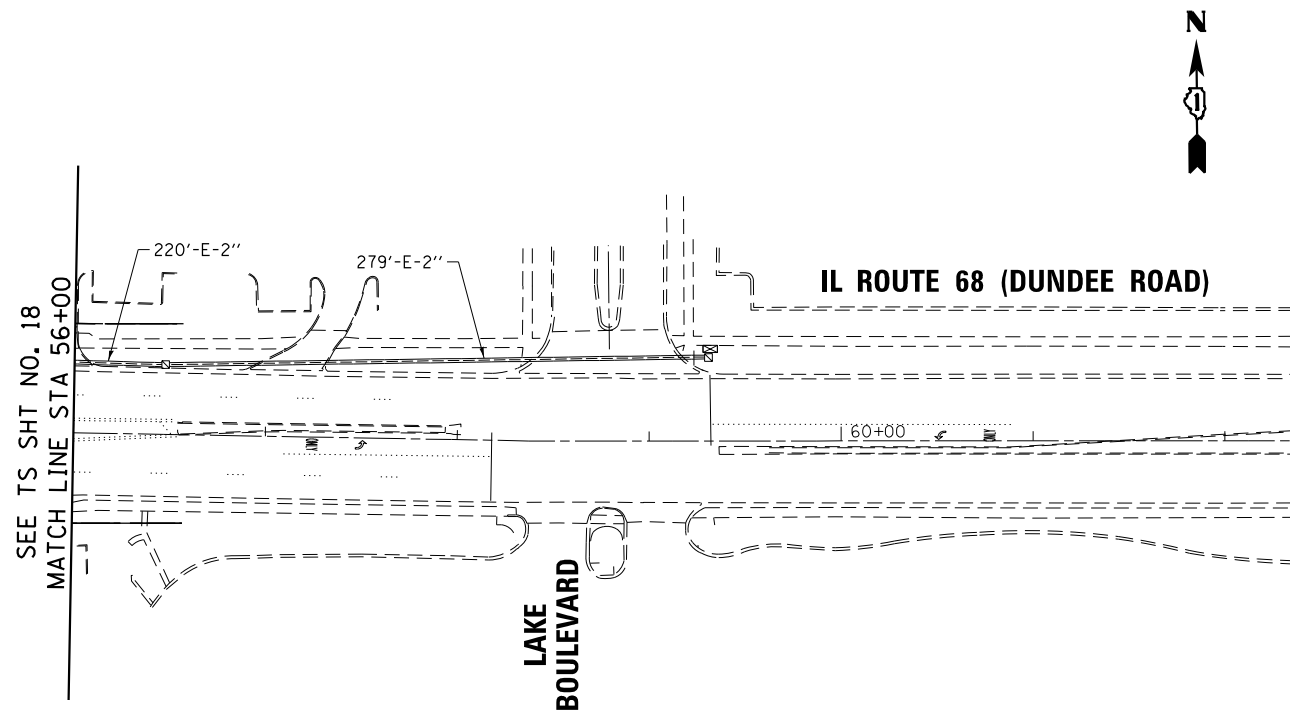
INTERCONNECT PLAN (SHEET 1 OF 2)
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	71
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

ECON-92

TS SHT NO. 19



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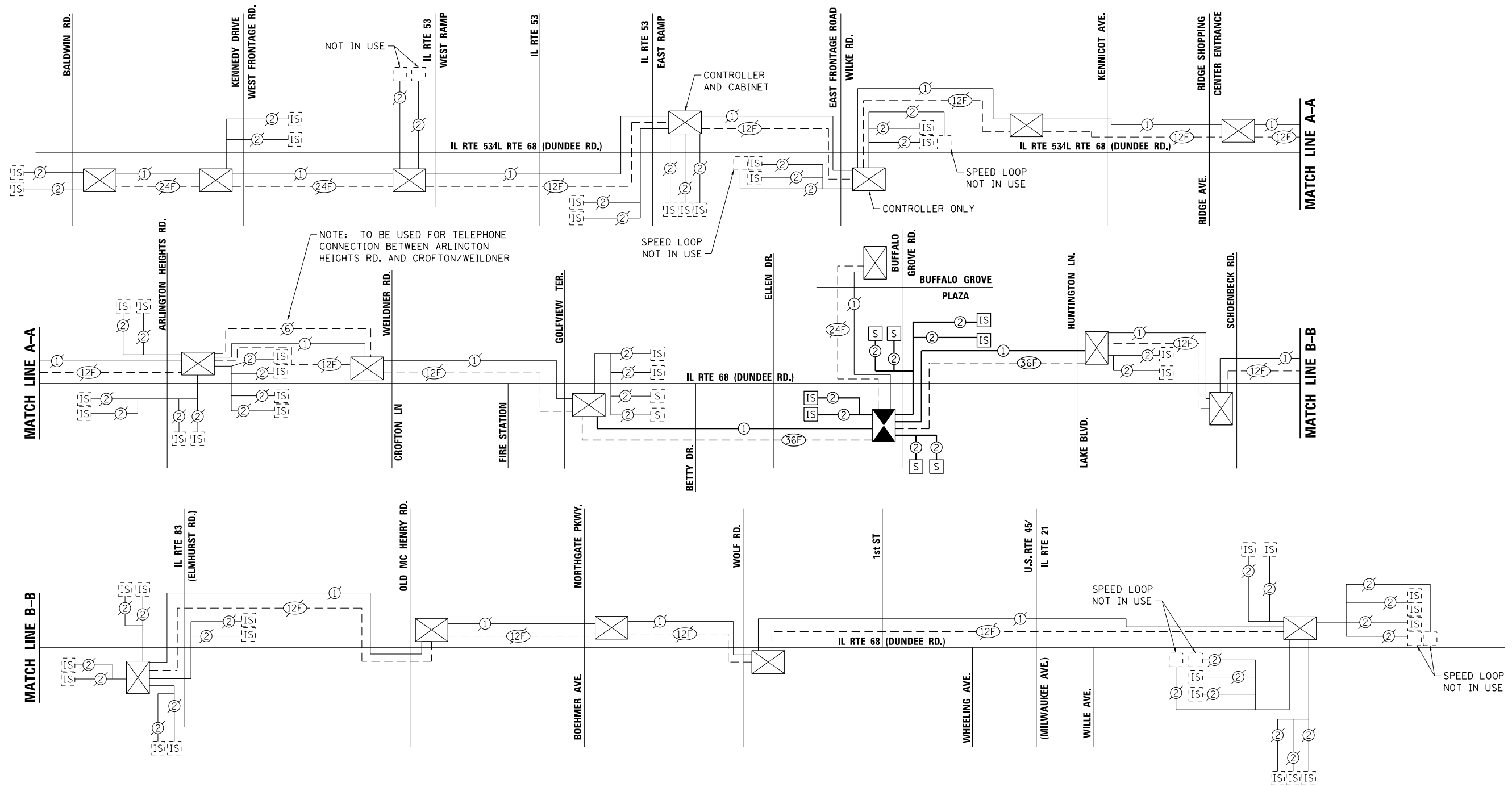
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN (SHEET 2 OF 2)
IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	72
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

ECON-92



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	396
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	3149
DRILL EXISTING HANDHOLE	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1450
ROD AND CLEAN EXISTING CONDUIT	FOOT	2244
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3172
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

TS SHT NO. 20



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
 IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.





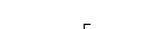
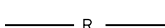
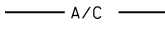
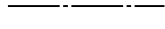
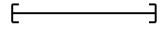

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	73
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

ECON-92

GENERAL NOTES

1. WHERE SEPARATE CIRCUIT RUNS ARE TO BE INSTALLED PARALLEL WITH EACH OTHER, ONE COMMON TRENCH SHALL BE USED.
2. THE CONTRACTOR SHALL CONSULT WITH RESIDENT ENGINEER IN THE FIELD, AND FINALIZE ALL EXISTING ROADWAY LIGHTING ITEMS.
3. THE RESPONSIBILITY FOR COORDINATING FINISHED SIDEWALK ELEVATIONS WITH THE TOP OF THE FOUNDATIONS HEIGHTS SHALL REMAINS WITH THE CONTRACTOR.
4. THE CONTRACTOR SHALL SUBMIT FOR RESIDENT ENGINEER'S REVIEW WITHIN 30 DAYS OF CONTRACT EXECUTION DATA AND DETAIL SHOP DRAWINGS :
 - a. TRENCH, ELECTRICAL WARNING TAPE
 - b. FOUNDATION: CONCRETE MIX, RACEWAYS, ANCHOR BOLTS WITH NUTS & WASHERS.
 - c. CONDUIT: CONDUIT AND CONDUIT FITTINGS, BONDING COMPOUND
 - d. GROUND ROD: GROUND ROD, COPPER WIRE, EXOTHERMIC WELD.
 - e. UNIT DUCT/CABLES
 - f. ELECTRIC CABLES
 - g. ELECTRIC TAPES, QUICK DISCONNECT, FUSE & LAMP.
 - h. LIGHT POLES/ARM: DETAILS SHOP DRAWING, WIND LOAD CALCULATIONS (SHALL BE REVIEWED BY CONSULTANT CIVIL ENGINEER)
 - i. LUMINAIRE: LUMINAIRE WITH BALLAST ASSEMBLY OR DRIVER
5. ALL WORK SHALL BE NEW, UNLESS OTHERWISE SPECIFIED.
6. LIGHT POLE FOUNDATION HOLE, EACH HOLE FOR THE FOUNDATIONS SHALL BE INSPECTED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE FOUNDATIONS.
7. THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF FULL SIZED COMPLETE AND ACCURATE "RECORD DRAWINGS" TO THE ENGINEER FOR REVIEW AND COMMENT. THE RECORD DRAWINGS SHALL BE UPDATED ON A REGULAR BASIS AND DEPICT ALL ROADWAY LIGHTING INSTALLATIONS WITH ANY CHANGES INDICATED IN RED. "RECORD DRAWINGS" SHALL BE SUBMITTED AT LEAST SEVEN (7) DAYS BEFORE SCHEDULING A FINAL INSPECTION.
8. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT (1-800-892-0123) TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
9. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF BUFFALO GROVE TO LOCATE AND MARK/STAKE ALL VILLAGE OWNED UNDERGROUND UTILITIES.
10. THE CONTRACTOR SHALL GIVE IN WRITING TO THE ENGINEER FOR REVIEW, CONSTRUCTION STAGING FOR THE PROPOSED ROADWAY LIGHTING WORK, AND THE CONTRACTOR SHALL OBTAIN PRIOR WRITTEN APPROVAL FROM THE RESIDENT ENGINEER.
11. THE LIGHT POLE SETBACK: VARIES: MEASURED FROM FACE OF CURB TO THE CENTER OF POLE.
12. RESTORATION OF ROADWAY AND PROJECT SITE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND CONTRACT DOCUMENTS.
13. ALL STREET CROSSINGS SHALL HAVE GALVANIZED STEEL CONDUIT OF THE SIZE INDICATED PUSHED BENEATH THEM. PAYMENT SHALL BE LIMITED TO THE ACTUAL WIDTH PLUS TWO FEET. LENGTH OF CONDUIT SHALL BE THE WIDTH OF ROAD PLUS 4-FEET (EXTEND 2-FEET BEYOND ROAD, EACH SIDE)
14. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.
15. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
16. LUMINAIRES SHALL BE LEVEL AND HAVE A TIGHT FIT ON MAST ARMS TO THE OWNER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCLUDED IN THE COST OF THE LUMINAIRE PAY ITEM.
17. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - a. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT.
 - b. "THE NATIONAL ELECTRICAL CODE"
 - c. MUNICIPAL CODES & STANDARDS
18. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD UTILITIES, CALL ComEd FOR LOCATION APPROVAL.
19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL PROPOSED ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO STARTING WORK.
20. THE EXISTING LIGHTING CONTROLLER SHALL BE USED FOR EXISTING, TEMPORARY AND PROPOSED LIGHTING SYSTEMS, AS SHOWN ON PLANS. ITS PARTICULARS ARE 120/240 1Ø, 3 WIRE, 200AMP.
21. THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
22. NO UNDERGROUND SPLICING SHALL BE ALLOWED.
23. THE CONTRACTOR SHALL CONFIRM THE BOLT CIRCLE ON THE RELOCATED POLES TO MATCH THE PROPOSED FOUNDATIONS.
24. AS BUILT PROJECT DETAILS DATED 10/05/2004 PERTAINING TO INTERSECTION LIGHTING IMPROVEMENT OF IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD, ARE AVAILABLE WITH DARREN MONICO, PE, VILLAGE ENGINEER, THE VILLAGE OF BUFFALO GROVE. THE CONTRACTOR SHALL OBTAIN THEM FOR REFERENCE.

LEGEND:

-  RELOCATED LIGHTING UNIT
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
-  TEMPORARY LIGHTING UNIT: WOOD POLE, 40 FT MOUNTING HEIGHT 15 FT MAST ARM, 240V, 310 HPS MCIII LUMINAIRE
-  EXISTING 2" DIA. PVC CONDUIT IN TRENCH WITH ELECTRIC CABLE IN CONDUIT, 600V, (EPR-TYPE-RHW) 5-1/C NO. 6
-  EXISTING 2" DIA. PVC CONDUIT WITH ELECTRIC CABLE TO BE REMOVED
-  AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE
-  UNIT DUCT, 600V, 4-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE-USE) 1 1/4" DIA POLYETHYLENE
-  RIGID GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED AS APPROVED BY THE ENGINEER
-  TEMPORARY WOOD POLE, 50 FT HIGH FOR TEMPORARY LIGHTING SUPPORT

SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	80
UNIT DUCT, 600V, 4-1C NO. 6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1239
AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1239
LIGHT POLE, WOOD, 50 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	7
LIGHT POLE FOUNDATION 24" DIAMETER	FOOT	70
BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT	EACH	7
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	7
REMOVAL OF POLE FOUNDATION	EACH	7
RELOCATE EXISTING LIGHTING UNIT	EACH	7
TEMPORARY WOOD POLE, 50 FT., CLASS 4	EACH	3
TEMPORARY LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	7
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6

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	DATE - 10-26-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, LEGEND AND SUMMARY OF QUANTITIES
IL. ROUTE 68 AT BUFFALO GROVE ROAD**

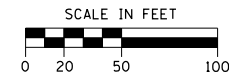
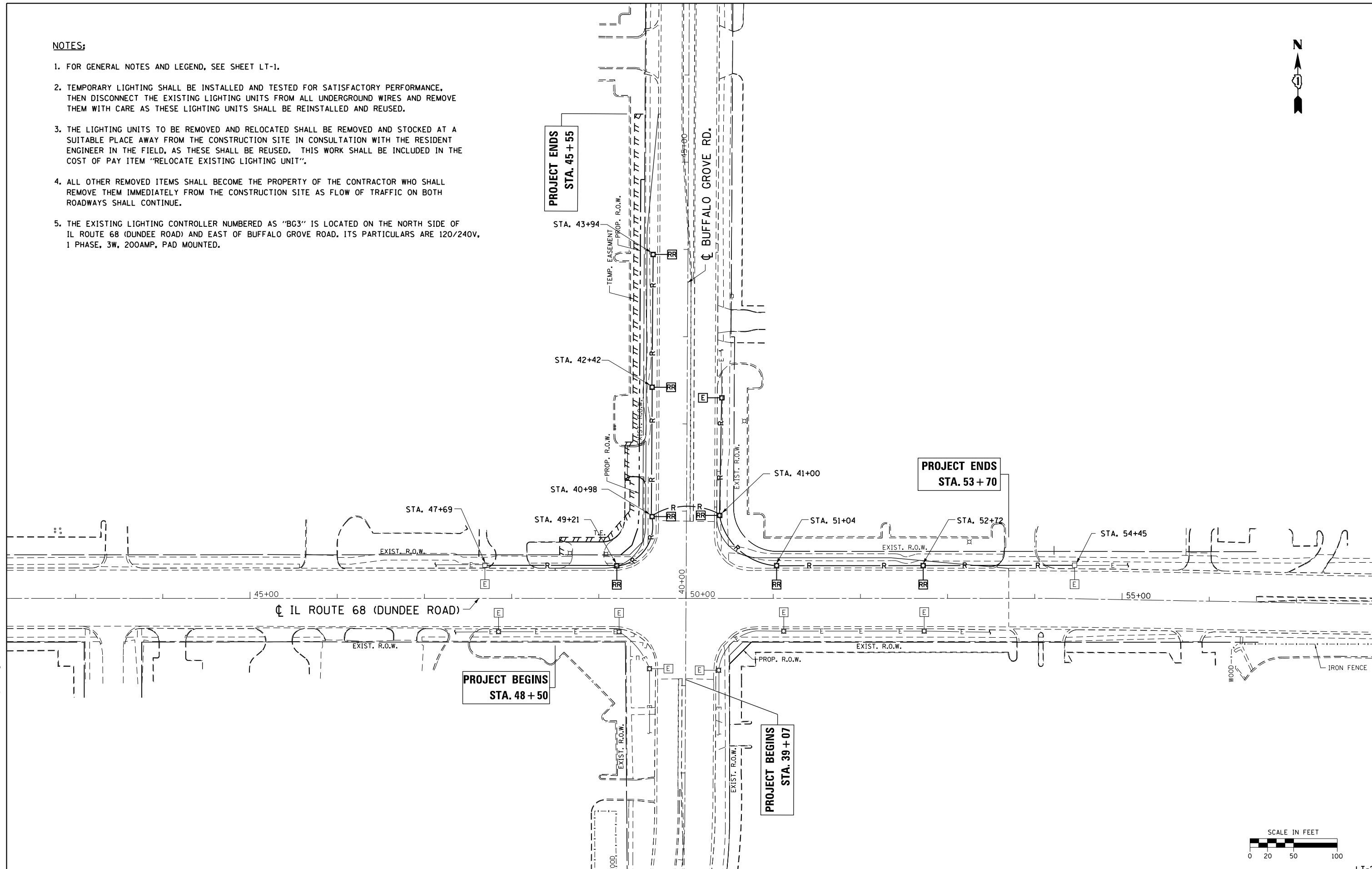
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	74
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

LT-1

NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-1.
2. TEMPORARY LIGHTING SHALL BE INSTALLED AND TESTED FOR SATISFACTORY PERFORMANCE, THEN DISCONNECT THE EXISTING LIGHTING UNITS FROM ALL UNDERGROUND WIRES AND REMOVE THEM WITH CARE AS THESE LIGHTING UNITS SHALL BE REINSTALLED AND REUSED.
3. THE LIGHTING UNITS TO BE REMOVED AND RELOCATED SHALL BE REMOVED AND STOCKED AT A SUITABLE PLACE AWAY FROM THE CONSTRUCTION SITE IN CONSULTATION WITH THE RESIDENT ENGINEER IN THE FIELD, AS THESE SHALL BE REUSED. THIS WORK SHALL BE INCLUDED IN THE COST OF PAY ITEM "RELOCATE EXISTING LIGHTING UNIT".
4. ALL OTHER REMOVED ITEMS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL REMOVE THEM IMMEDIATELY FROM THE CONSTRUCTION SITE AS FLOW OF TRAFFIC ON BOTH ROADWAYS SHALL CONTINUE.
5. THE EXISTING LIGHTING CONTROLLER NUMBERED AS "BG3" IS LOCATED ON THE NORTH SIDE OF IL ROUTE 68 (DUNDEE ROAD) AND EAST OF BUFFALO GROVE ROAD. ITS PARTICULARS ARE 120/240V, 1 PHASE, 3W, 200AMP, PAD MOUNTED.



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PLOT DATE = 10/27/2015	DATE - 10-26-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
IL. ROUTE 68 AT BUFFALO GROVE ROAD**

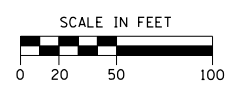
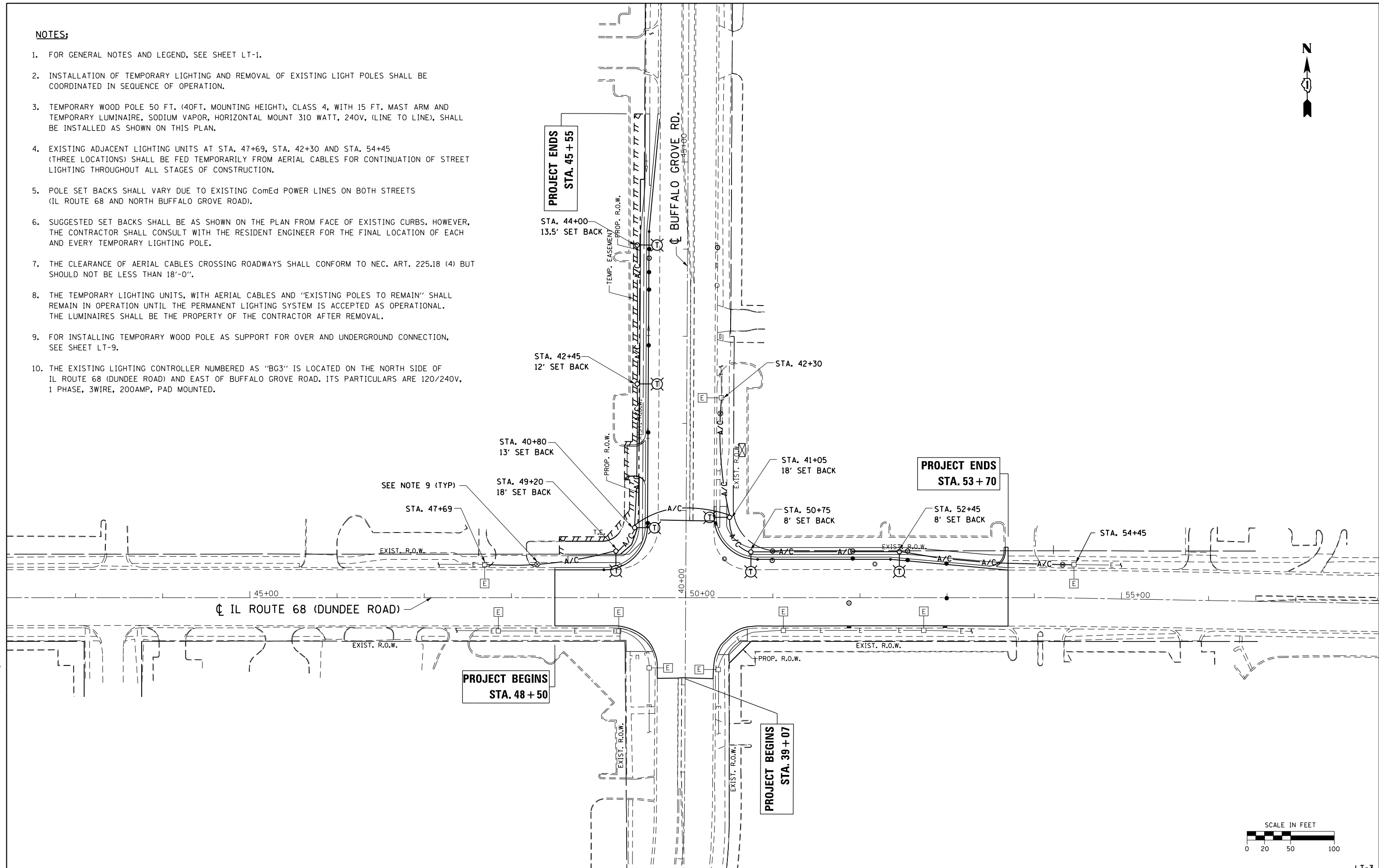
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F.A.P. RTE. 343	SECTION 3041N-2(12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 75
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

LT-2

NOTES:

- FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-1.
- INSTALLATION OF TEMPORARY LIGHTING AND REMOVAL OF EXISTING LIGHT POLES SHALL BE COORDINATED IN SEQUENCE OF OPERATION.
- TEMPORARY WOOD POLE 50 FT. (40FT. MOUNTING HEIGHT), CLASS 4, WITH 15 FT. MAST ARM AND TEMPORARY LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT 310 WATT, 240V, (LINE TO LINE), SHALL BE INSTALLED AS SHOWN ON THIS PLAN.
- EXISTING ADJACENT LIGHTING UNITS AT STA. 47+69, STA. 42+30 AND STA. 54+45 (THREE LOCATIONS) SHALL BE FED TEMPORARILY FROM AERIAL CABLES FOR CONTINUATION OF STREET LIGHTING THROUGHOUT ALL STAGES OF CONSTRUCTION.
- POLE SET BACKS SHALL VARY DUE TO EXISTING ComEd POWER LINES ON BOTH STREETS (IL ROUTE 68 AND NORTH BUFFALO GROVE ROAD).
- SUGGESTED SET BACKS SHALL BE AS SHOWN ON THE PLAN FROM FACE OF EXISTING CURBS. HOWEVER, THE CONTRACTOR SHALL CONSULT WITH THE RESIDENT ENGINEER FOR THE FINAL LOCATION OF EACH AND EVERY TEMPORARY LIGHTING POLE.
- THE CLEARANCE OF AERIAL CABLES CROSSING ROADWAYS SHALL CONFORM TO NEC. ART. 225.18 (4) BUT SHOULD NOT BE LESS THAN 18'-0".
- THE TEMPORARY LIGHTING UNITS, WITH AERIAL CABLES AND "EXISTING POLES TO REMAIN" SHALL REMAIN IN OPERATION UNTIL THE PERMANENT LIGHTING SYSTEM IS ACCEPTED AS OPERATIONAL. THE LUMINAIRES SHALL BE THE PROPERTY OF THE CONTRACTOR AFTER REMOVAL.
- FOR INSTALLING TEMPORARY WOOD POLE AS SUPPORT FOR OVER AND UNDERGROUND CONNECTION, SEE SHEET LT-9.
- THE EXISTING LIGHTING CONTROLLER NUMBERED AS "BG3" IS LOCATED ON THE NORTH SIDE OF IL ROUTE 68 (DUNDEE ROAD) AND EAST OF BUFFALO GROVE ROAD. ITS PARTICULARS ARE 120/240V, 1 PHASE, 3WIRE, 200AMP, PAD MOUNTED.



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Downers Grove, IL 60515

USER NAME = 18renda
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PLOT DATE = 12/17/2015

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DATE - 10-26-15

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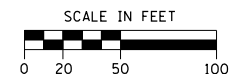
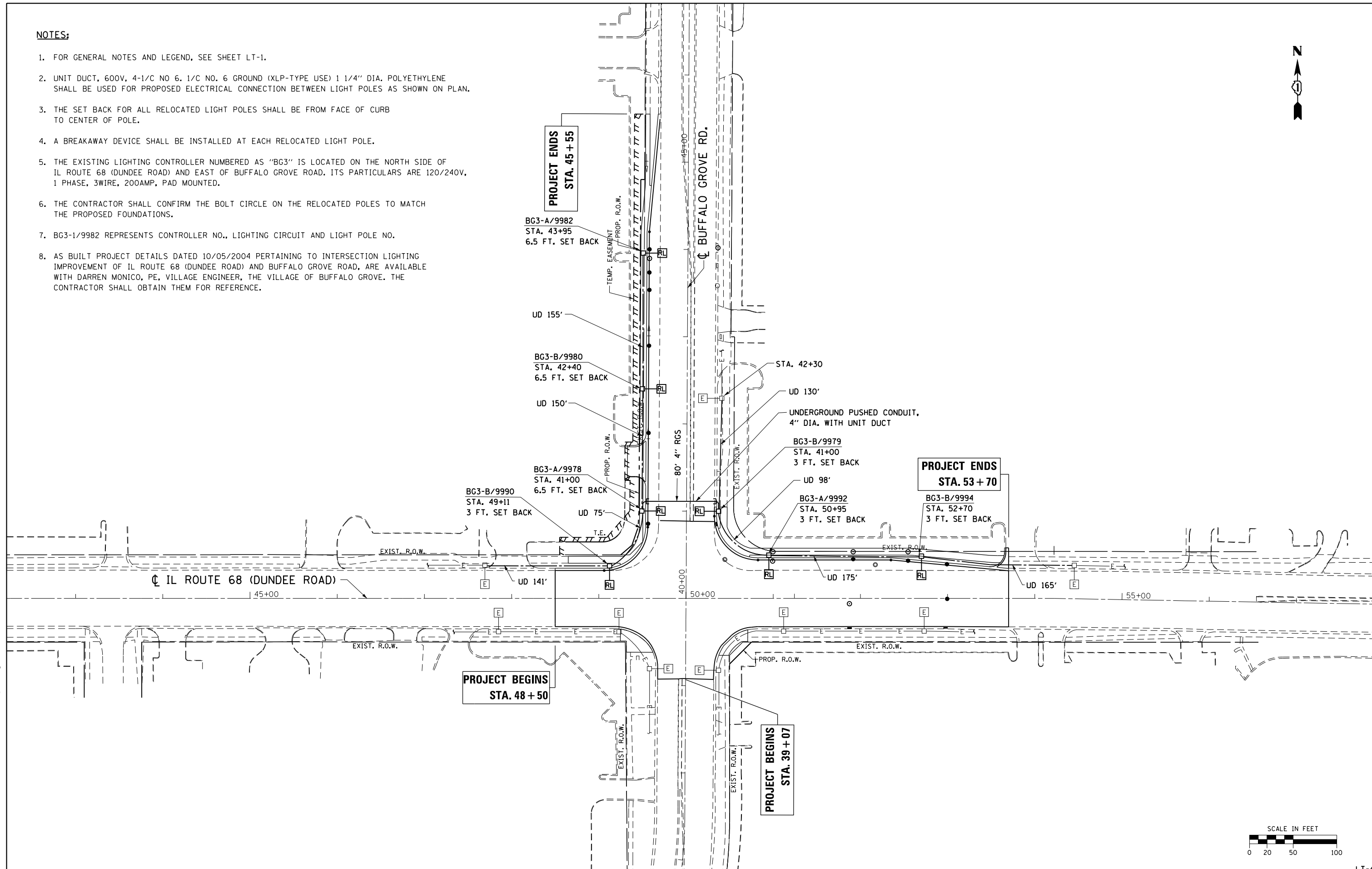
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING PLAN
IL. ROUTE 68 AT BUFFALO GROVE ROAD**
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	76
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-1.
2. UNIT DUCT, 600V, 4-1/C NO 6. 1/C NO. 6 GROUND (XLP-TYPE USE) 1 1/4" DIA. POLYETHYLENE SHALL BE USED FOR PROPOSED ELECTRICAL CONNECTION BETWEEN LIGHT POLES AS SHOWN ON PLAN.
3. THE SET BACK FOR ALL RELOCATED LIGHT POLES SHALL BE FROM FACE OF CURB TO CENTER OF POLE.
4. A BREAKAWAY DEVICE SHALL BE INSTALLED AT EACH RELOCATED LIGHT POLE.
5. THE EXISTING LIGHTING CONTROLLER NUMBERED AS "BG3" IS LOCATED ON THE NORTH SIDE OF IL ROUTE 68 (DUNDEE ROAD) AND EAST OF BUFFALO GROVE ROAD. ITS PARTICULARS ARE 120/240V, 1 PHASE, 3WIRE, 200AMP, PAD MOUNTED.
6. THE CONTRACTOR SHALL CONFIRM THE BOLT CIRCLE ON THE RELOCATED POLES TO MATCH THE PROPOSED FOUNDATIONS.
7. BG3-1/9982 REPRESENTS CONTROLLER NO., LIGHTING CIRCUIT AND LIGHT POLE NO.
8. AS BUILT PROJECT DETAILS DATED 10/05/2004 PERTAINING TO INTERSECTION LIGHTING IMPROVEMENT OF IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD, ARE AVAILABLE WITH DARREN MONICO, PE, VILLAGE ENGINEER, THE VILLAGE OF BUFFALO GROVE, THE CONTRACTOR SHALL OBTAIN THEM FOR REFERENCE.



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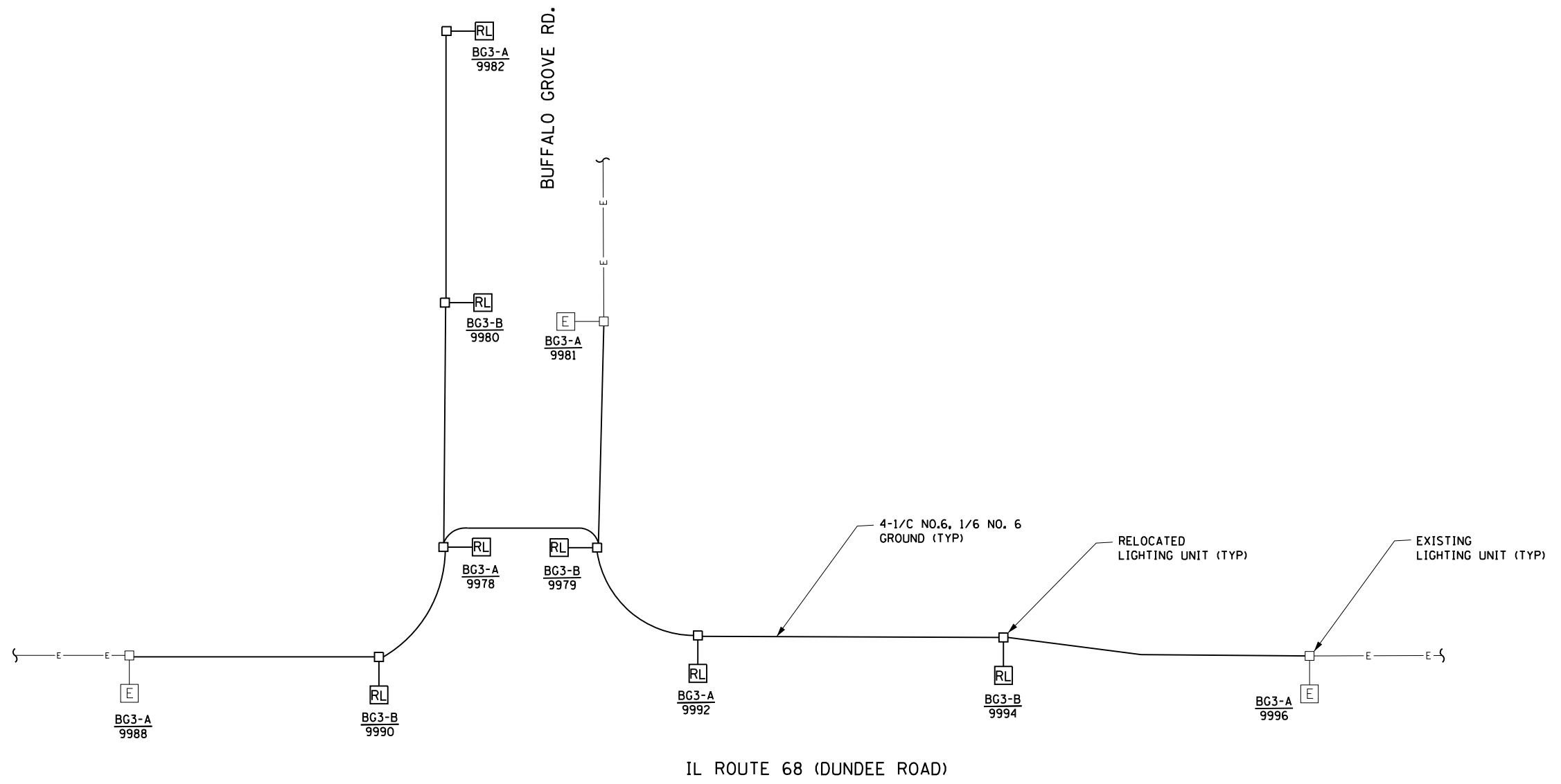
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
IL. ROUTE 68 AT BUFFALO GROVE ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	77
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

LT-4



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-1.
2. AS BUILT PROJECT DETAILS DATED 10/05/2004 PERTAINING TO INTERSECTION LIGHTING IMPROVEMENT OF IL ROUTE 68 (DUNDEE ROAD) AND BUFFALO GROVE ROAD, ARE AVAILABLE WITH DARREN MONICO, PE, VILLAGE ENGINEER, THE VILLAGE OF BUFFALO GROVE. THE CONTRACTOR SHALL OBTAIN THEM FOR REFERENCE.

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PLOT SCALE = 100.0000' / in.	DRAWN - RV	REVISED -
PLOT DATE = 10/27/2015	CHECKED - BL	REVISED -
	DATE - 10-26-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SINGLE LINE WIRING DIAGRAM
 IL ROUTE 68 AT BUFFALO GROVE ROAD**

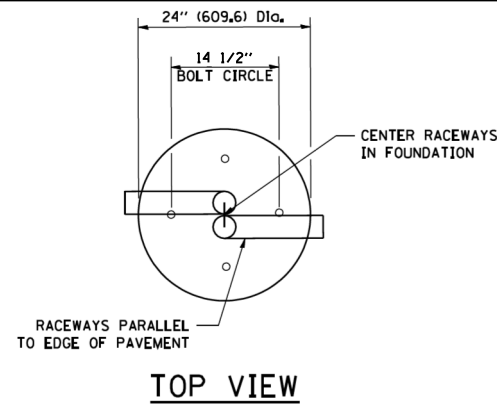
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	78
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

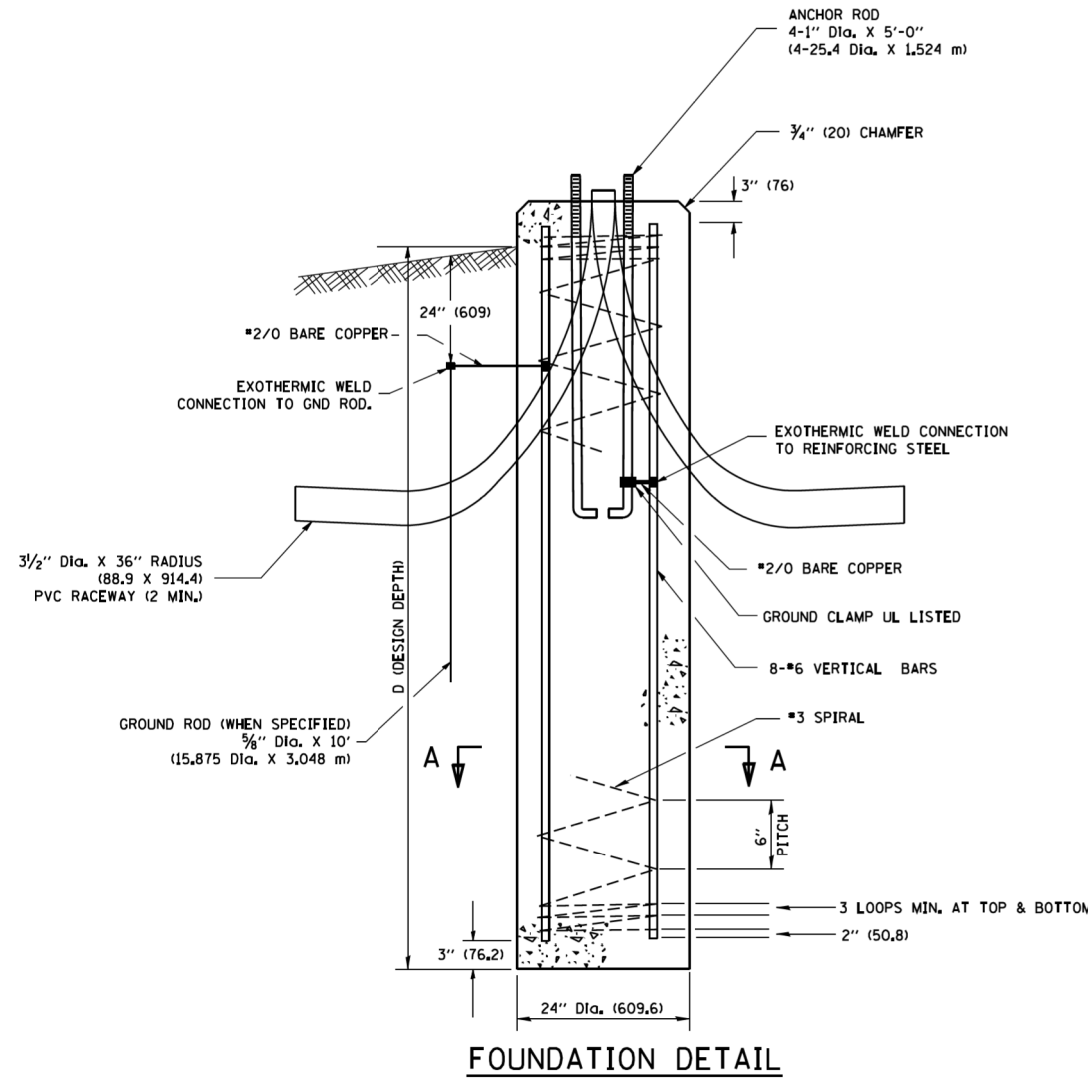
LT-5

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Ou = 0,375 TON/SO. FT.	11'-0" (3,35 m)	12'-8" (3,85 m)
MEDIUM CLAY Ou = 0,75 TON/SO.FT	9'-0" (2,74 m)	14'-10" (4,52 m)
STIFF CLAY Ou = 1,50 TON/SO. FT.	7'-6" (2,29 m)	8'-7" (2,61 m)
LOOSE SAND φ = 34°	9'-6" (2,90 m)	10'-7" (3,22 m)
MEDIUM SAND φ = 37,5°	9'-0" (2,74 m)	9'-10" (2,99 m)
DENSE SAND φ = 40°	8'-3" (2,51 m)	9'-7" (2,91 m)



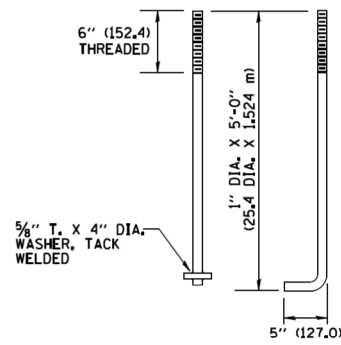
TOP VIEW



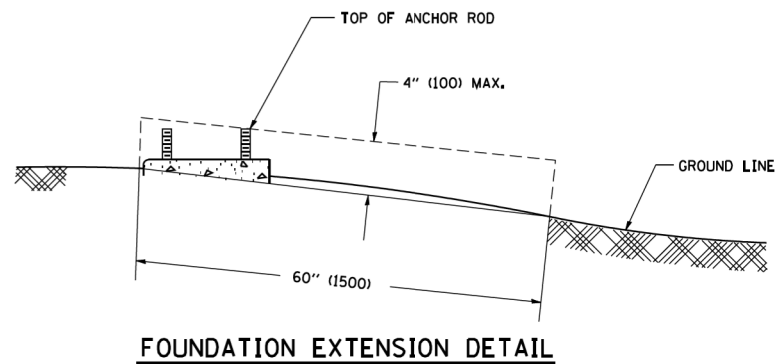
FOUNDATION DETAIL

NOTES

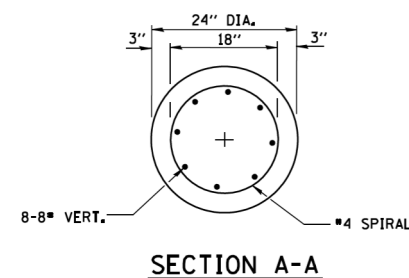
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION,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



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

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AMES Engineering, Inc.
 CONSULTING ENGINEERS
 5413 Walnut Avenue, Ste 2
 Downers Grove, IL 60515

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 DESIGNED - MB
 DRAWN - RV
 PLOT SCALE = 100.0000' / 1"
 PLOT DATE = 10/27/2015

DESIGNED - MB
 DRAWN - RV
 CHECKED - BL
 DATE - 10-26-15

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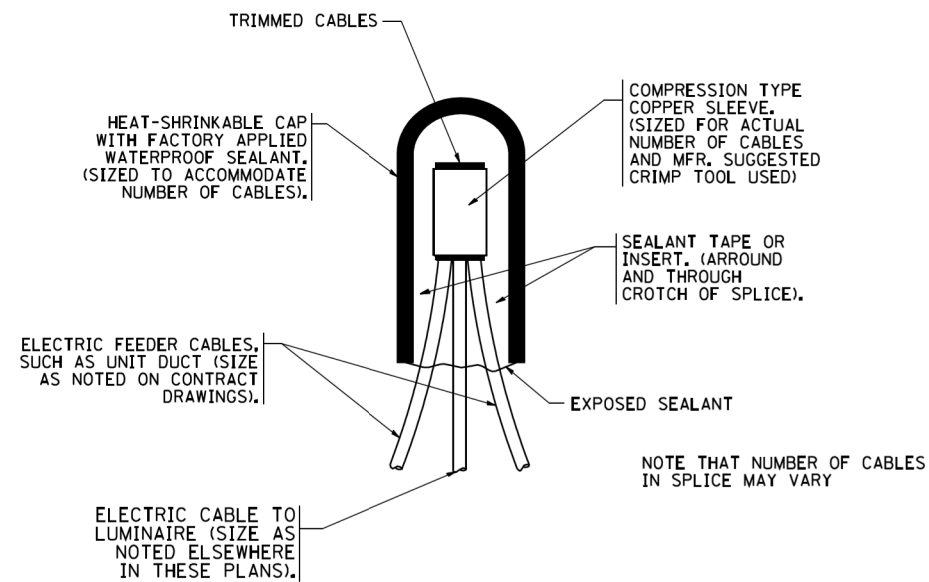
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION DETAILS
IL. ROUTE 68 AT BUFFALO GROVE ROAD

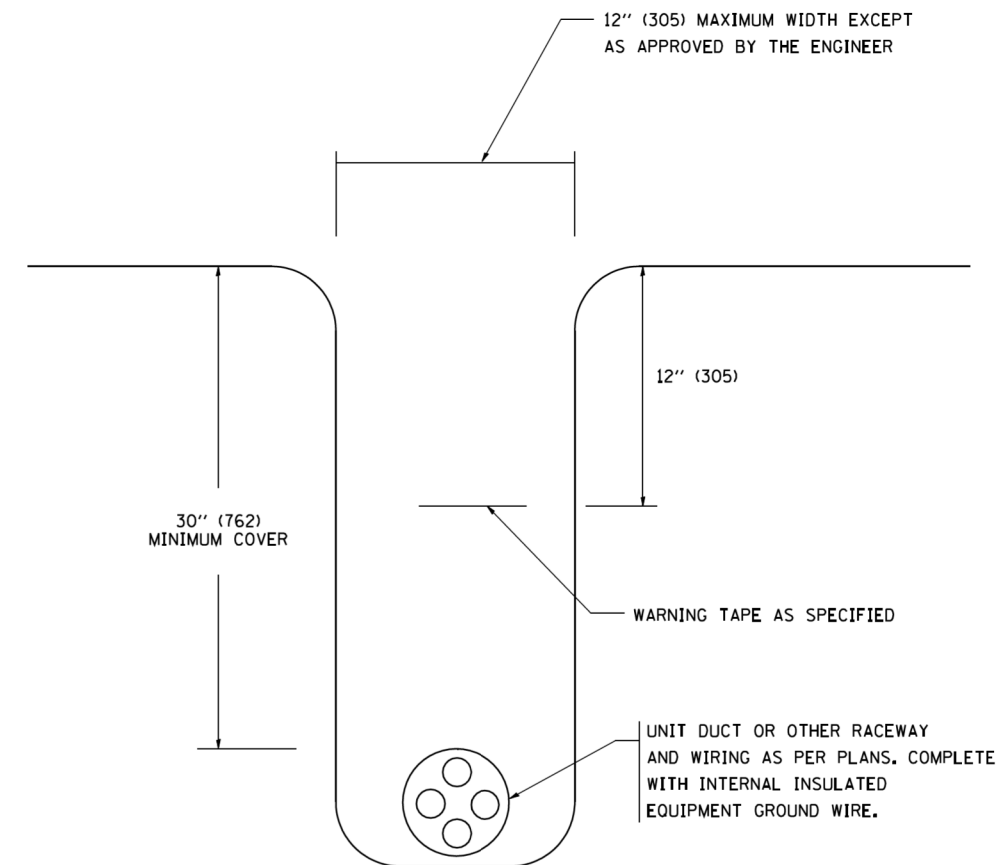
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

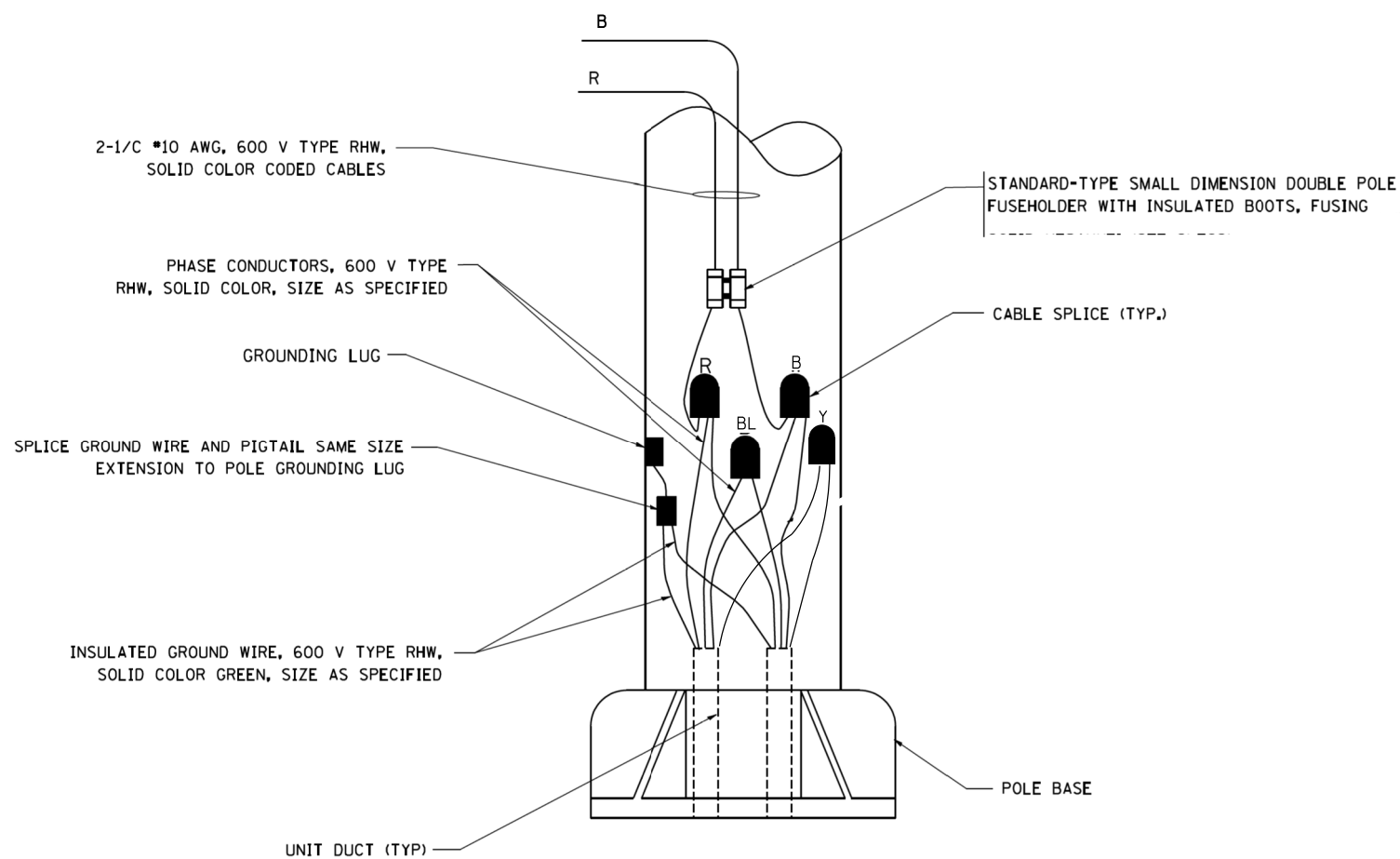
LT-6



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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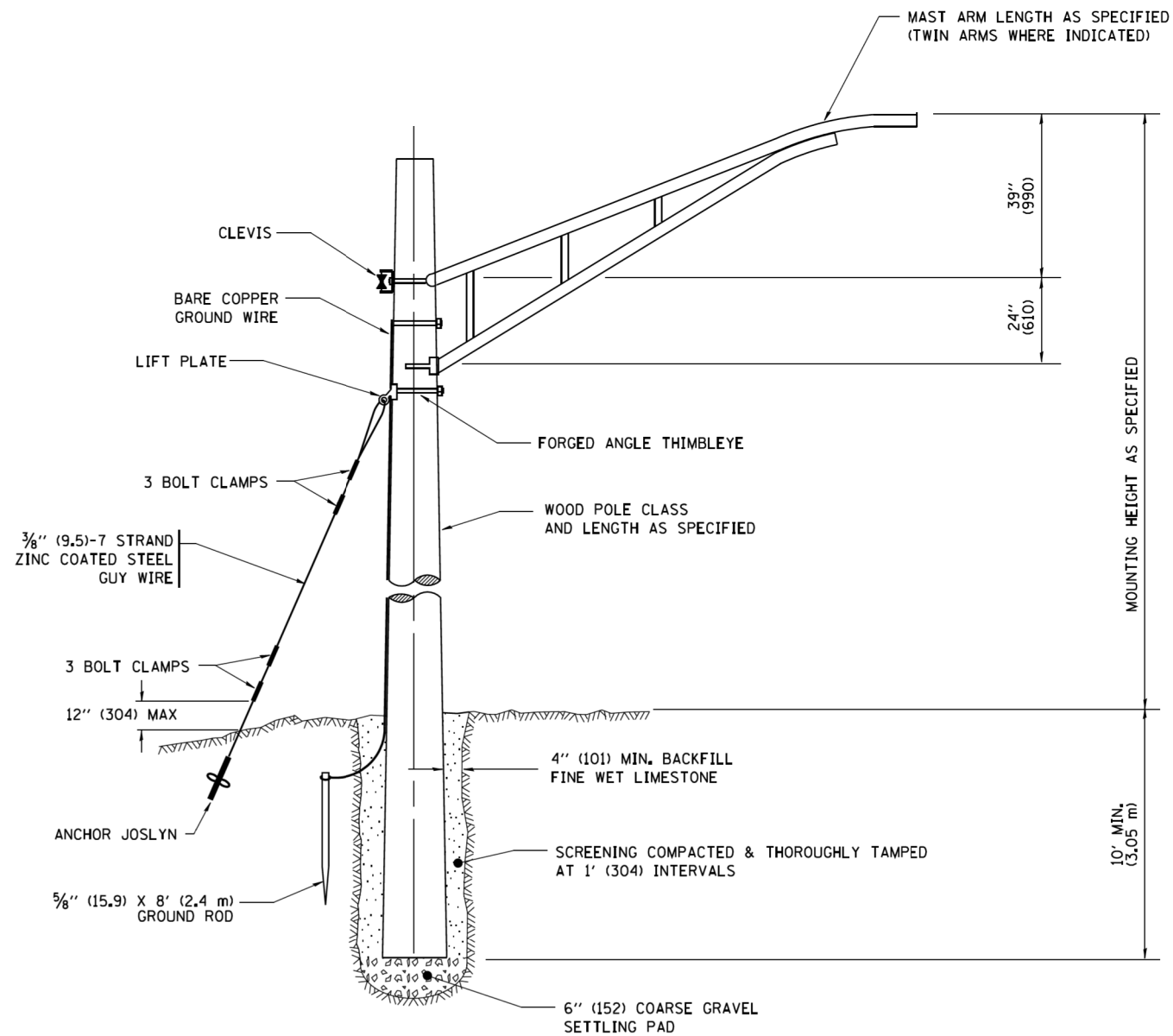
AMES Engineering, Inc.
CONSULTING ENGINEERS
5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

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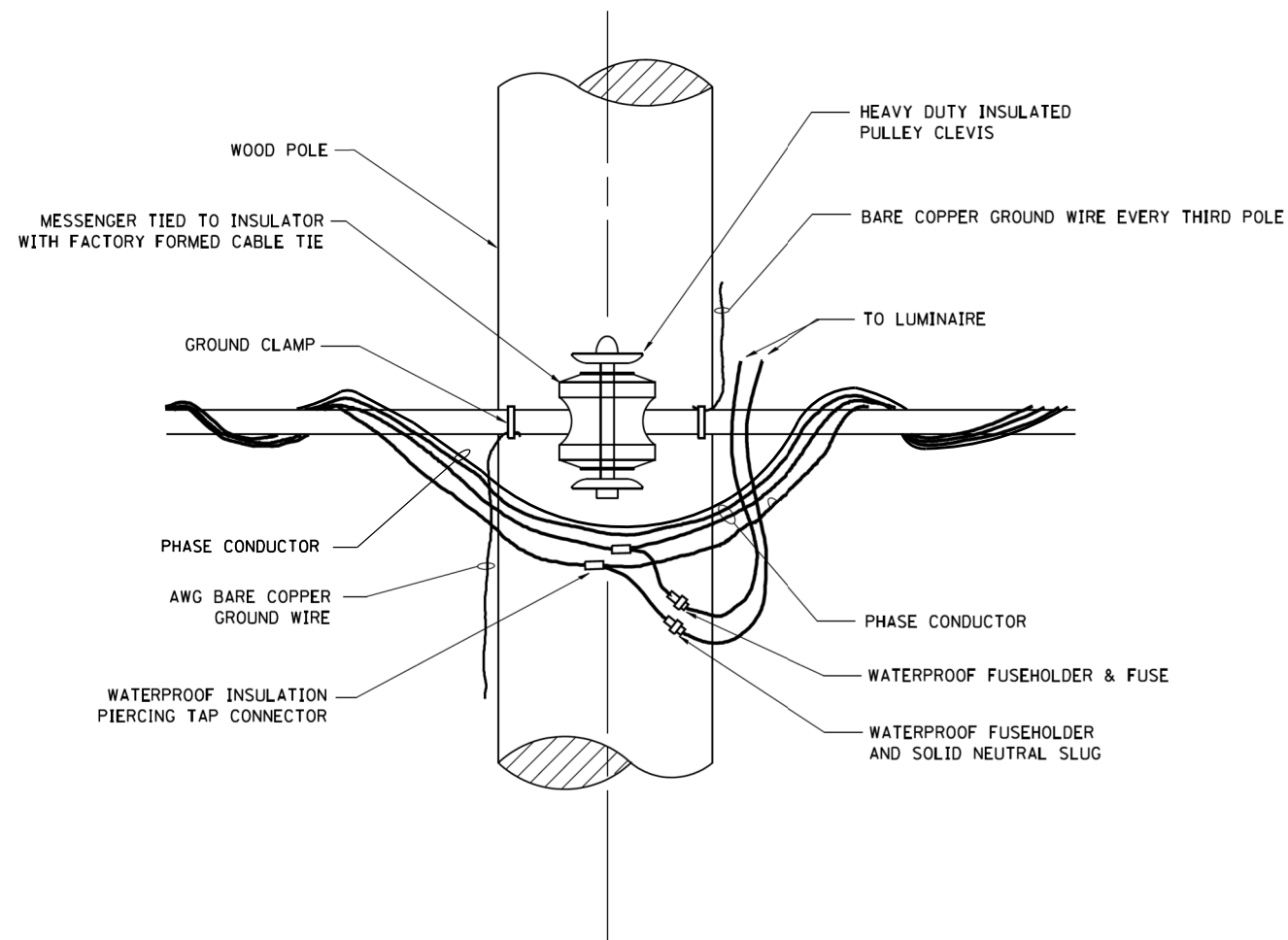
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS			
IL. ROUTE 68 AT BUFFALO GROVE ROAD			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2(12)	COOK	102	80
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

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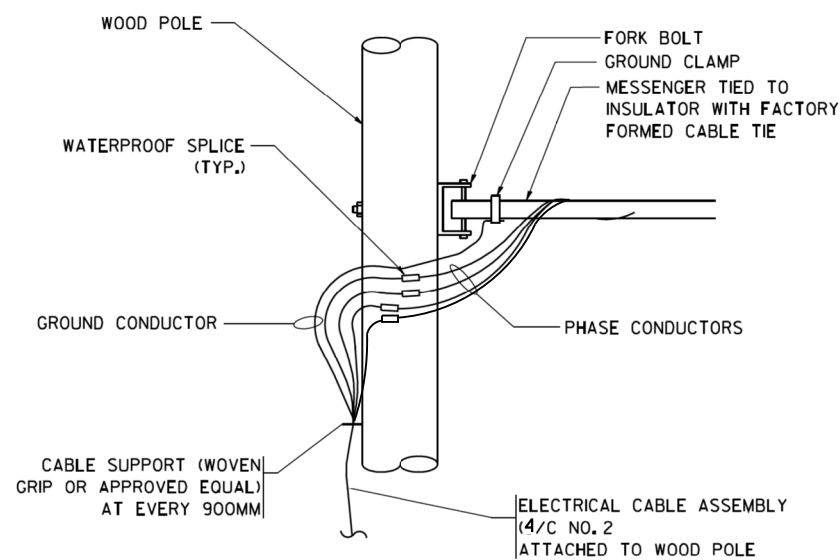
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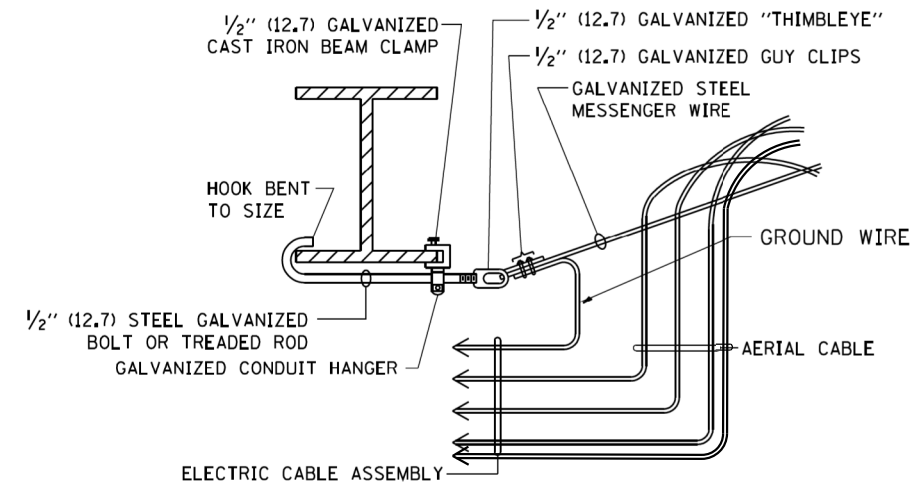
**TEMPORARY LIGHT POLE DETAILS
 IL ROUTE 68 AT BUFFALO GROVE ROAD**

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

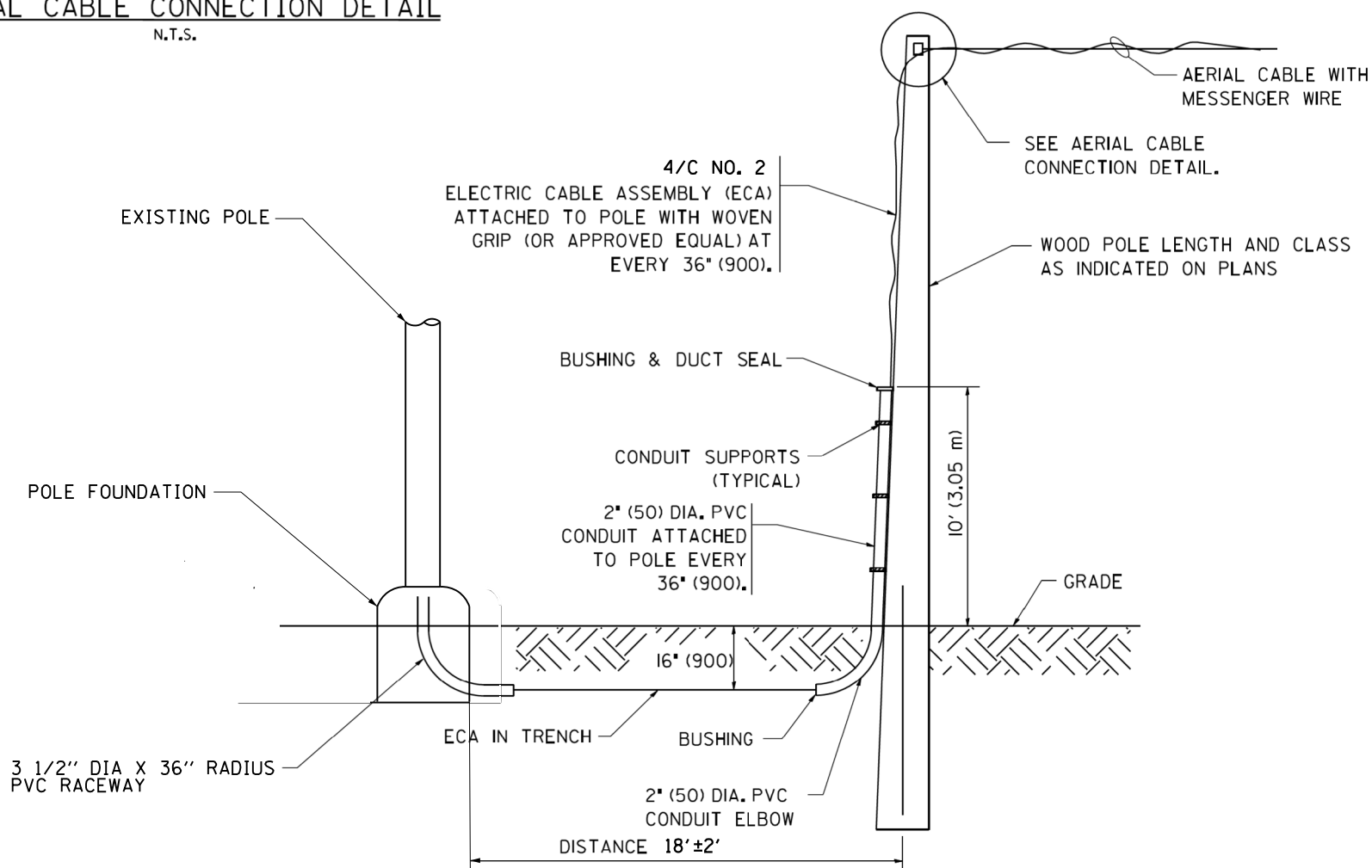
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343	3041N-2(12)	COOK	102	81
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				



AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE



WOOD POLE TO EXISTING LIGHT POLE WIRING CONNECTION DETAIL
N.T.S.

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

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5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

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DATE - 10-26-15

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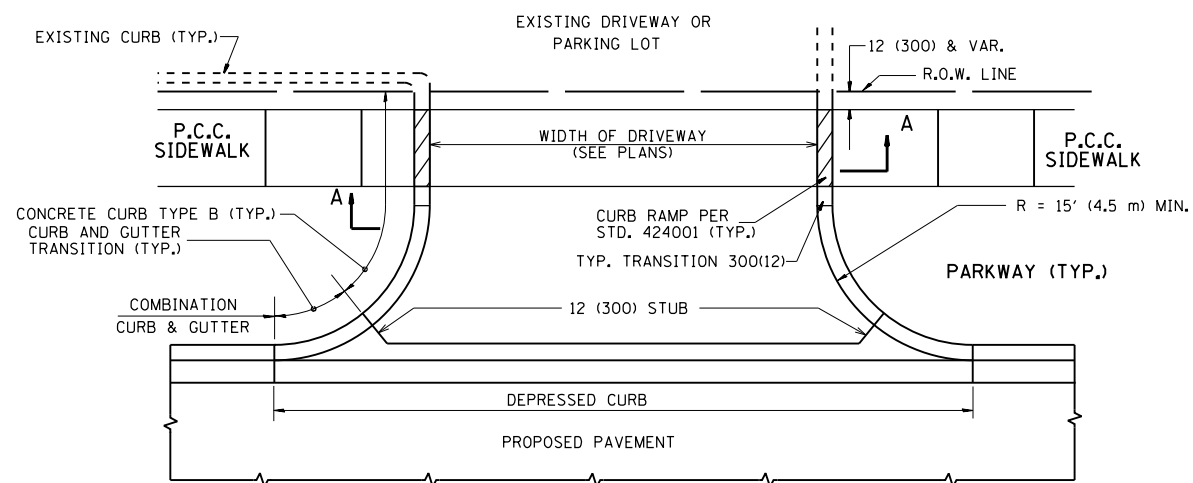
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY AERIAL CABLE INSTALLATION
IL. ROUTE 68 AT BUFFALO GROVE ROAD**

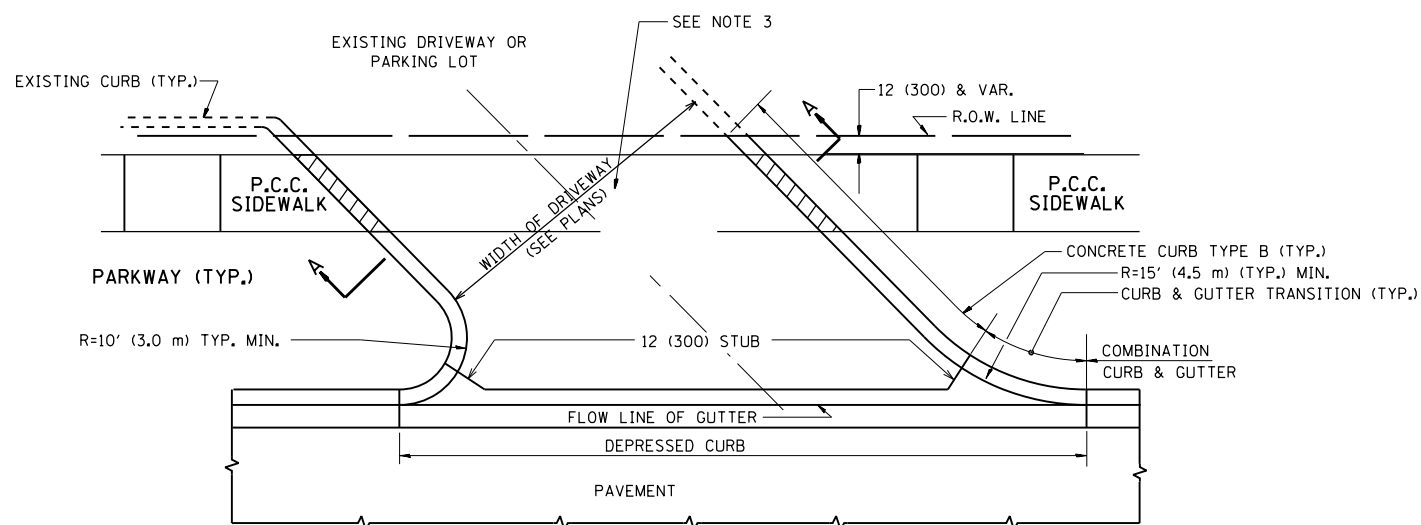
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CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

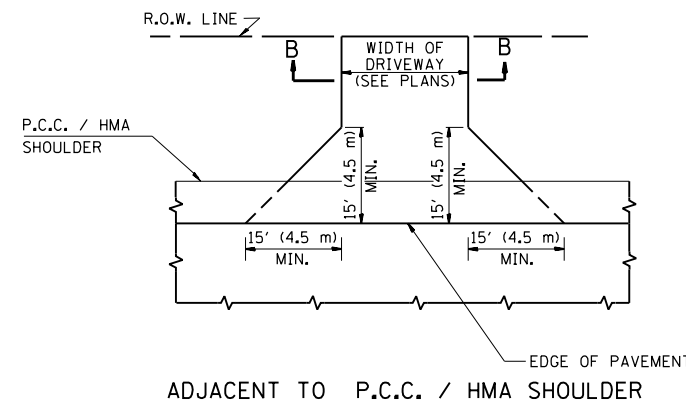
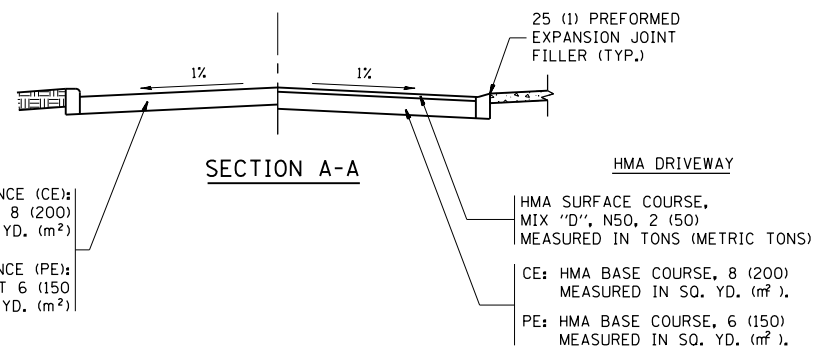
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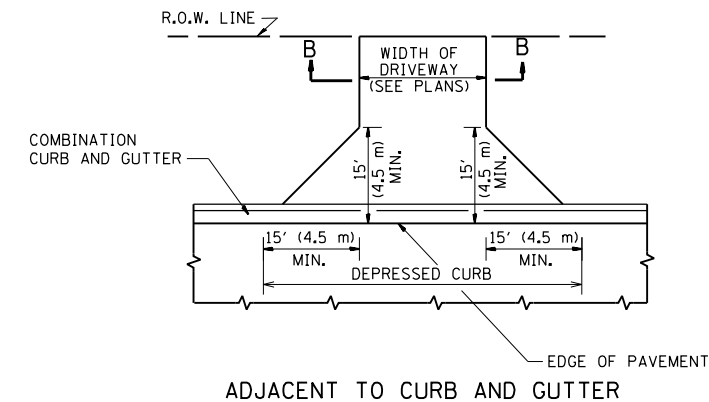
WITH CONCRETE CURB, TYPE B



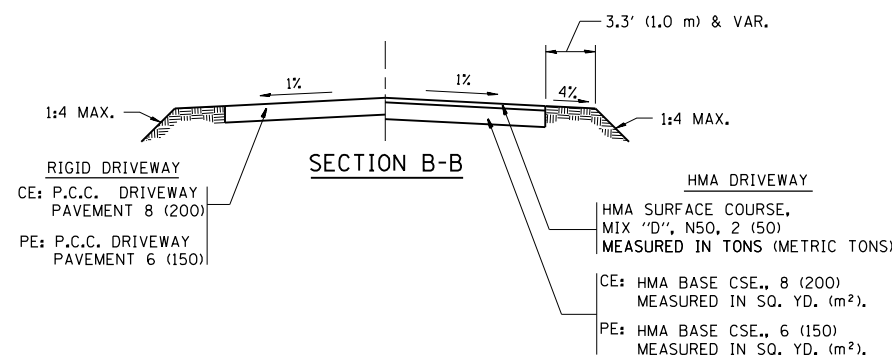
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



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. (m²).

GENERAL NOTES:

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

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

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

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

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

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

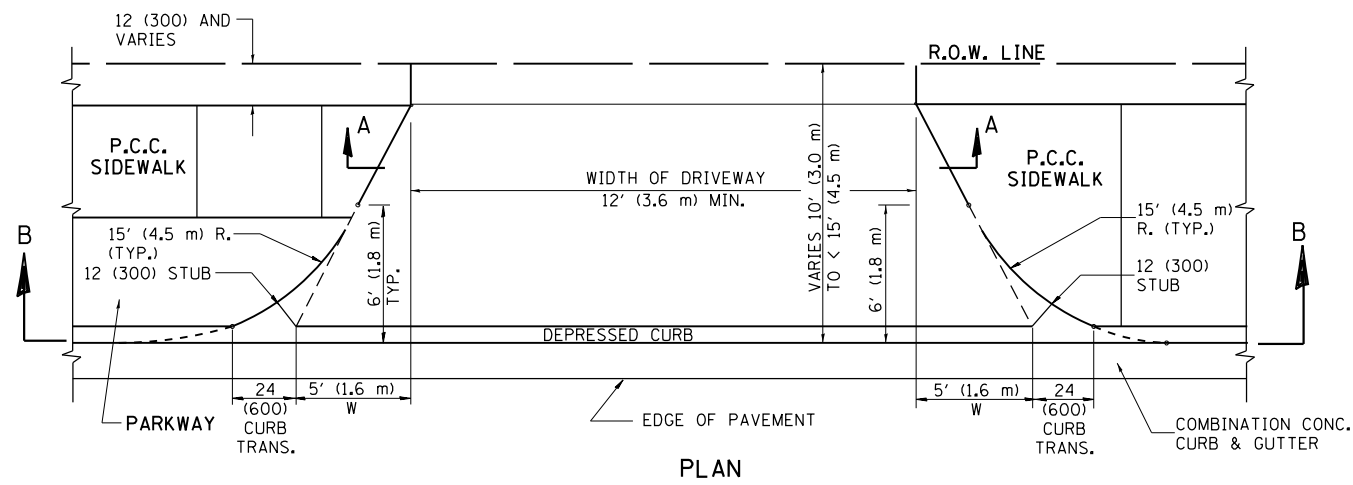
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

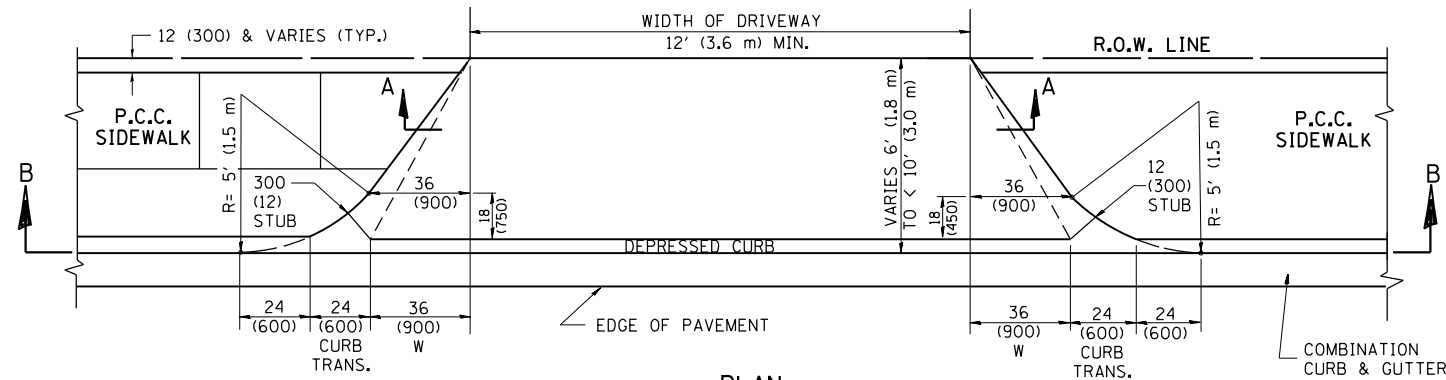
**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

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

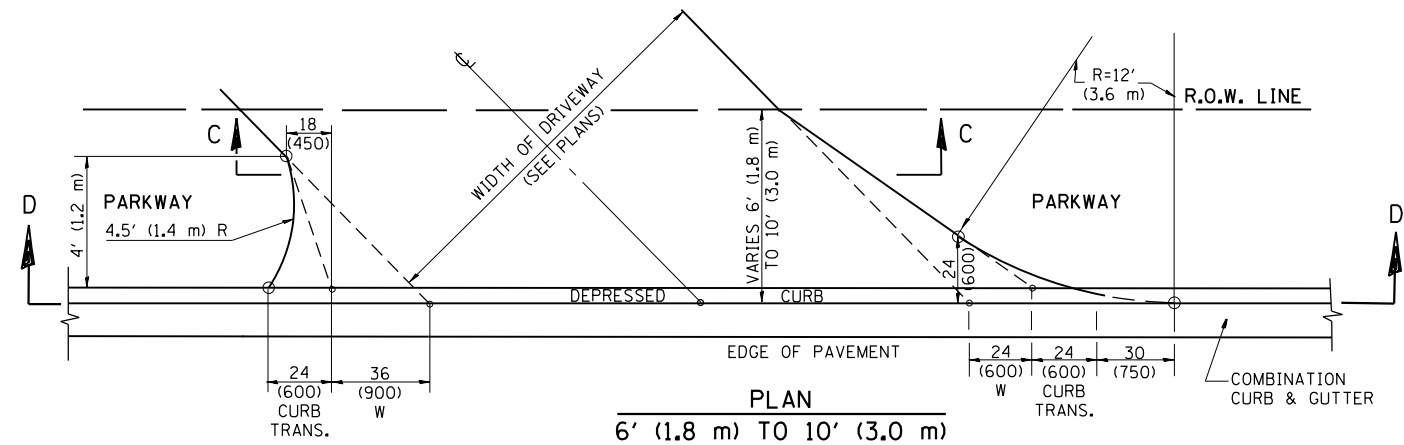
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BD0156-07 (BD-01)		CONTRACT NO. 60V98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



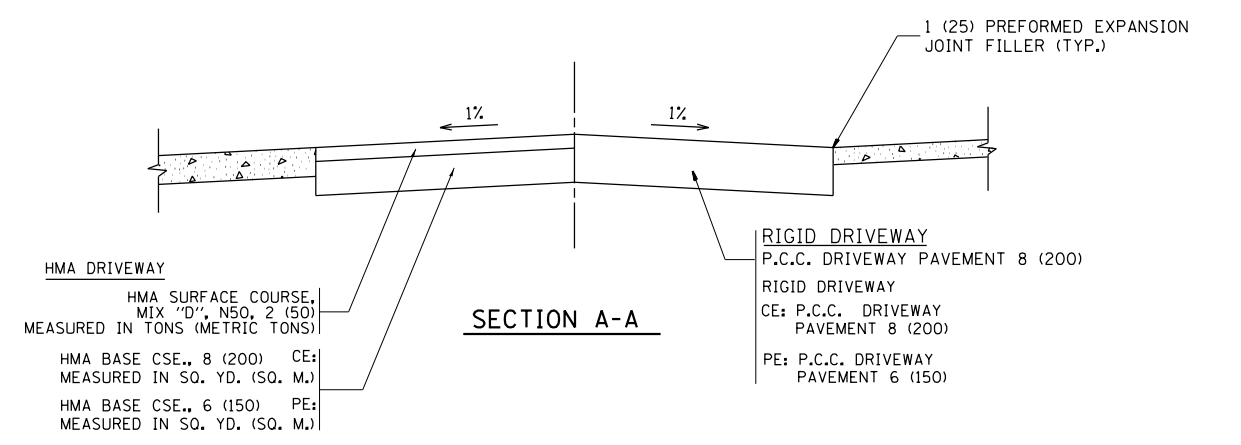
PLAN
10' (3.0 m) TO < 15' (4.5 m)



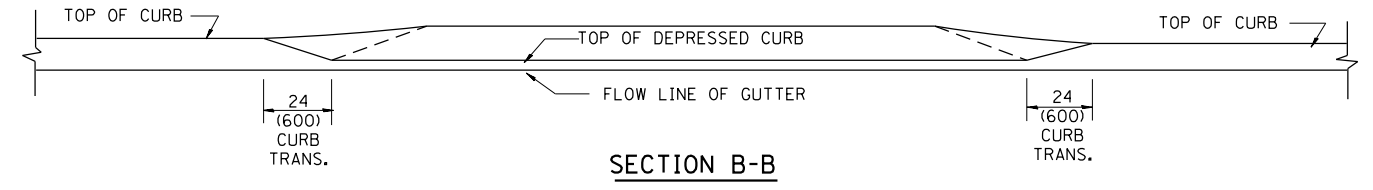
PLAN
6' (1.8 m) TO < 10' (3.0 m)



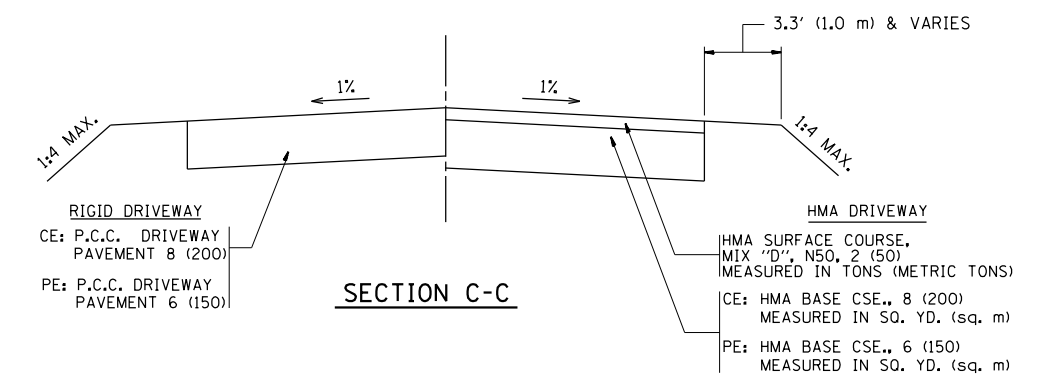
PLAN
6' (1.8 m) TO 10' (3.0 m)



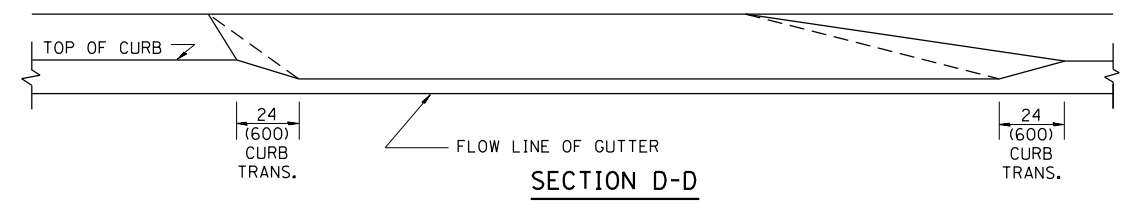
SECTION A-A



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).

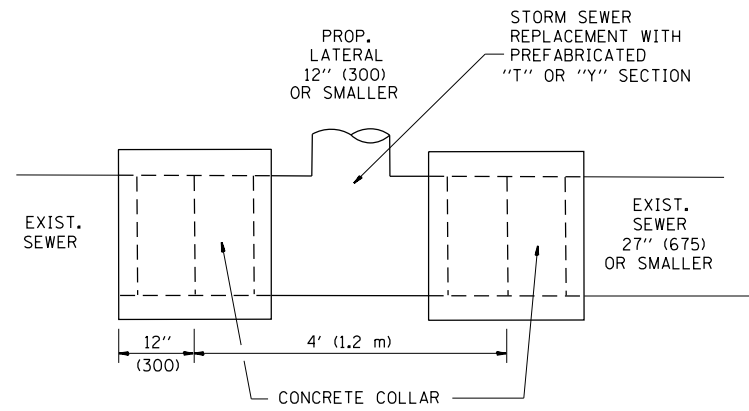
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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		DATE - 11-06-95	REVISED - R. BORO 01-01-07
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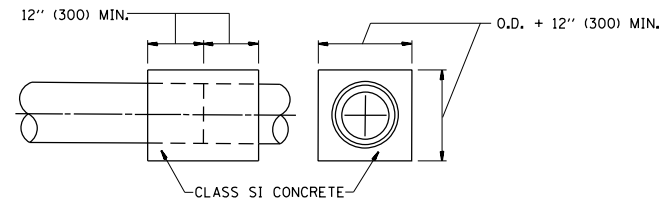
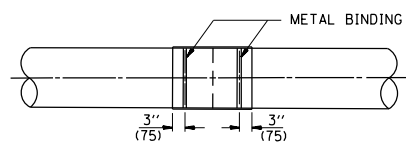
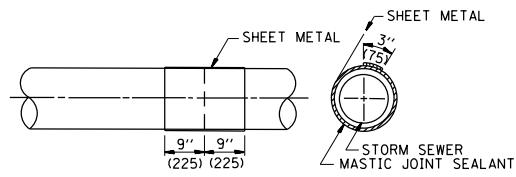
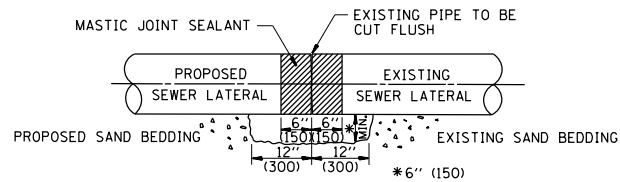
DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	84
BD400-02 (BD-02)			CONTRACT NO. 60V98	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



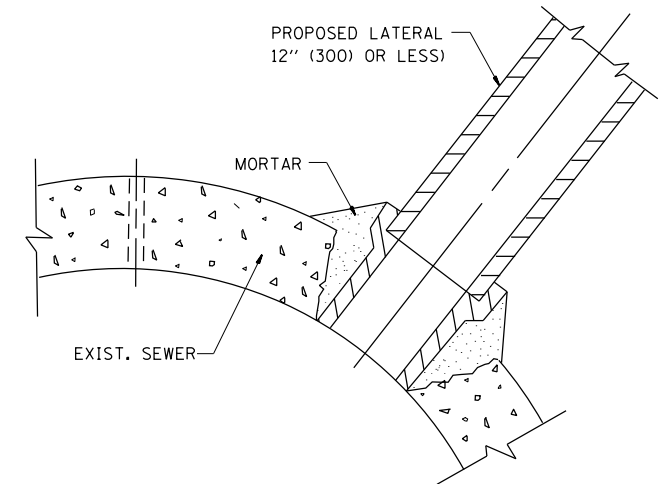
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

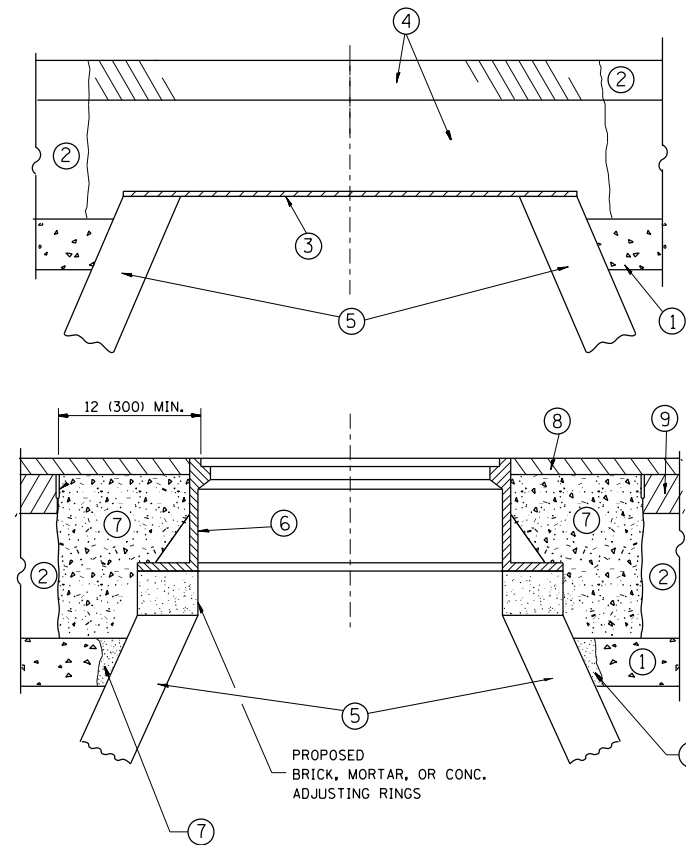
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	PLOT SCALE = 100.0000' / 1"	DATE - 07-25-90	REVISED - R. SHAH 10-25-94
	PLOT DATE = 5/13/2016		REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	85
BD500-01 (BD-7)		CONTRACT NO. 60V98		
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 1/2 (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

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.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

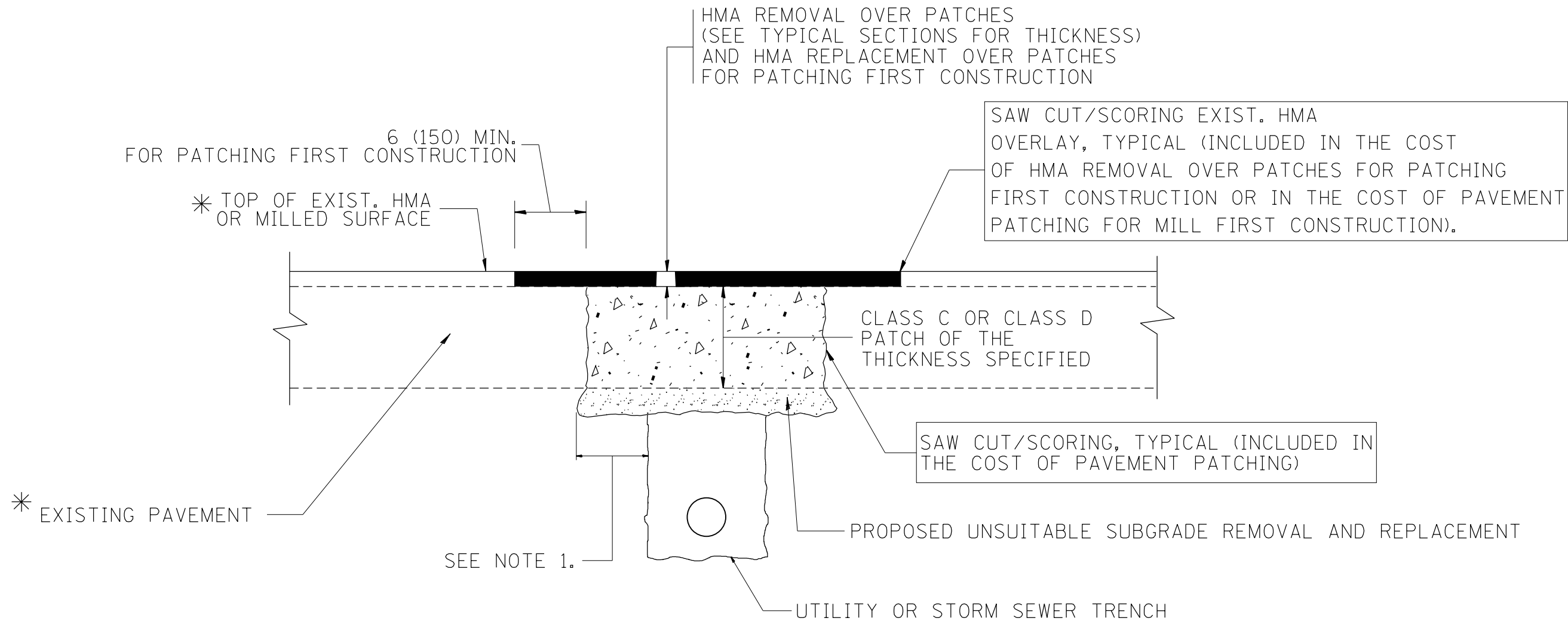
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
p:\1\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI247\Drawings\Design\DistStd.dgn			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 5/13/2016	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	3041N-2 (12)	COOK	102	86
BD600-03 (BD-8)		CONTRACT NO. 60V98		
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)

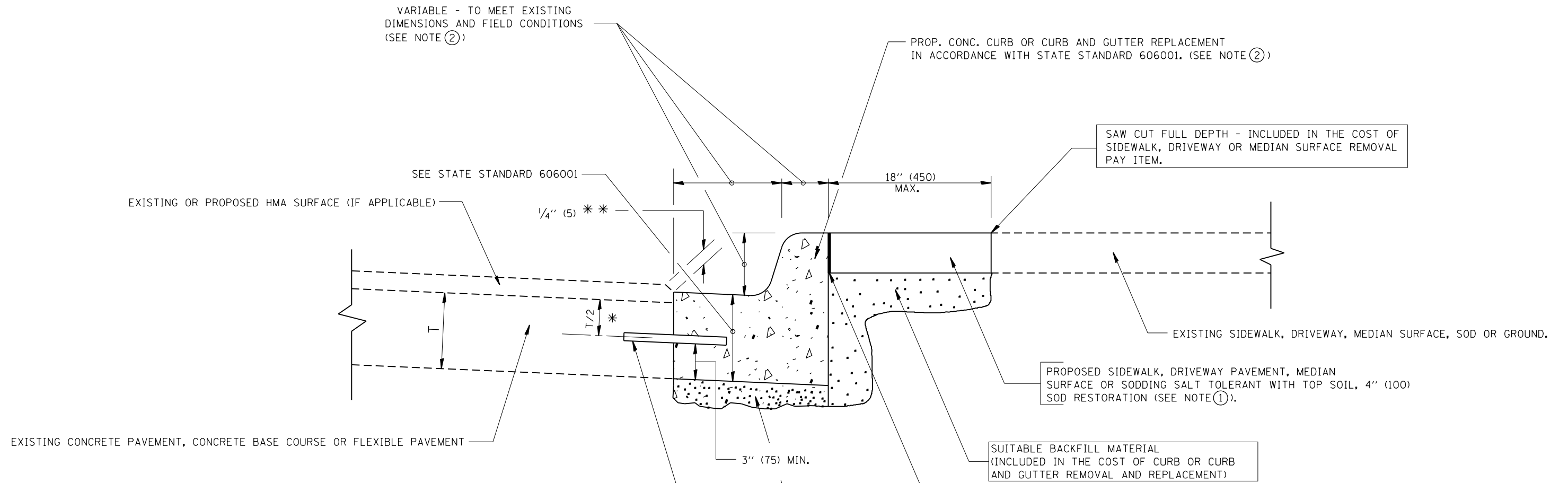
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 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 =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI247\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					343	3041N-2 (12)	COOK	102	87
	PLOT DATE = 5/13/2016	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 60V98				
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	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.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

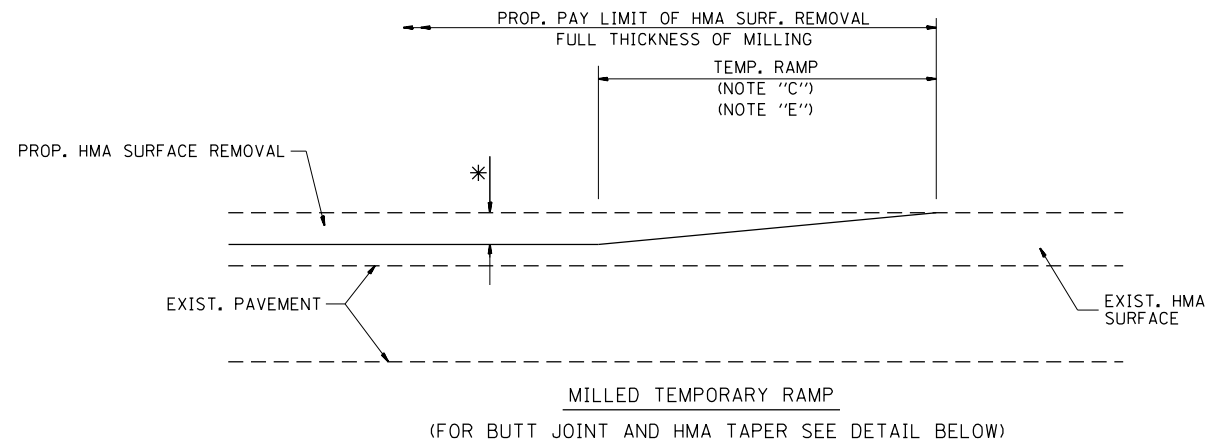
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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".

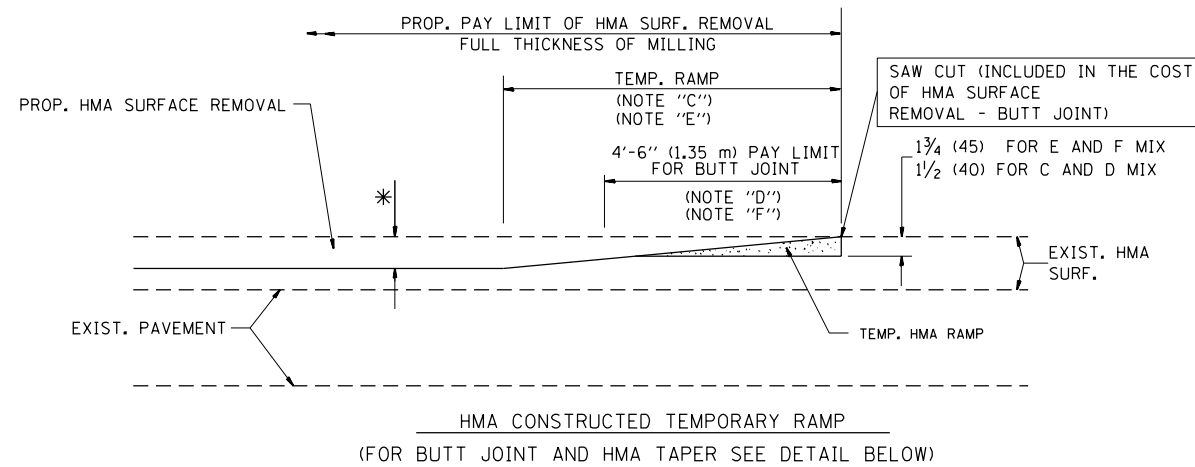
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - A. ABBAS 03-21-97			343	3041N-2 (12)	COOK	102	88	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 60V98			
	PLOT DATE = 5/13/2016	DATE - 03-11-94	REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



OPTION 1

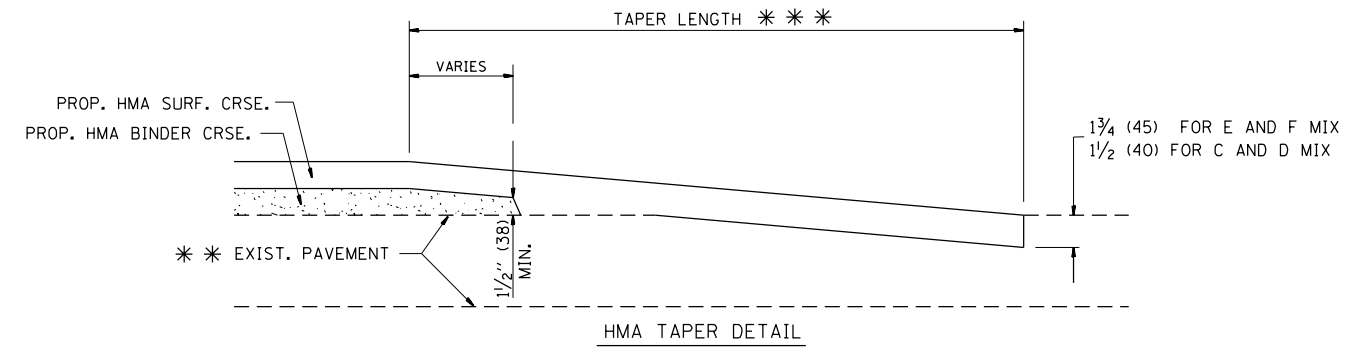


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

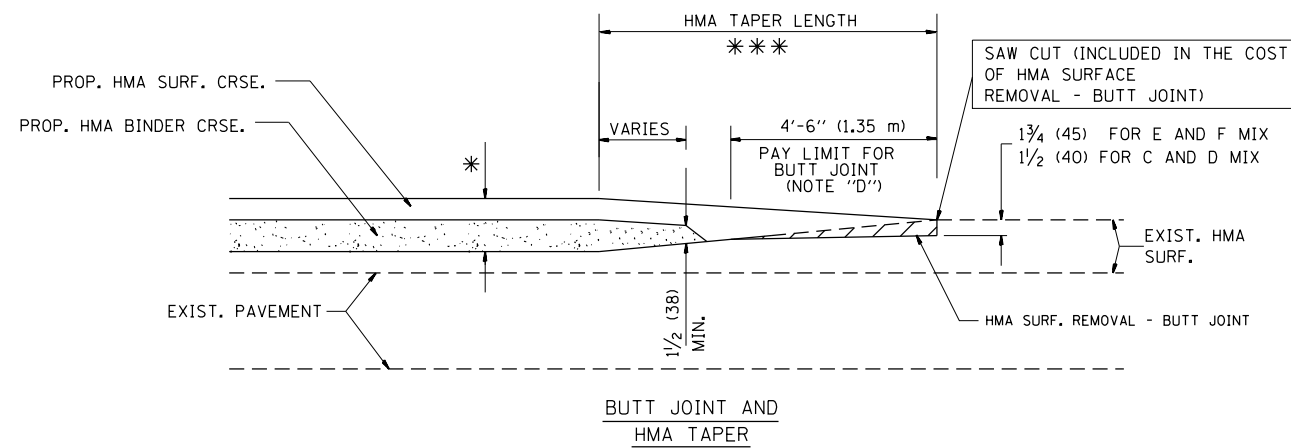
NOTES

- 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.



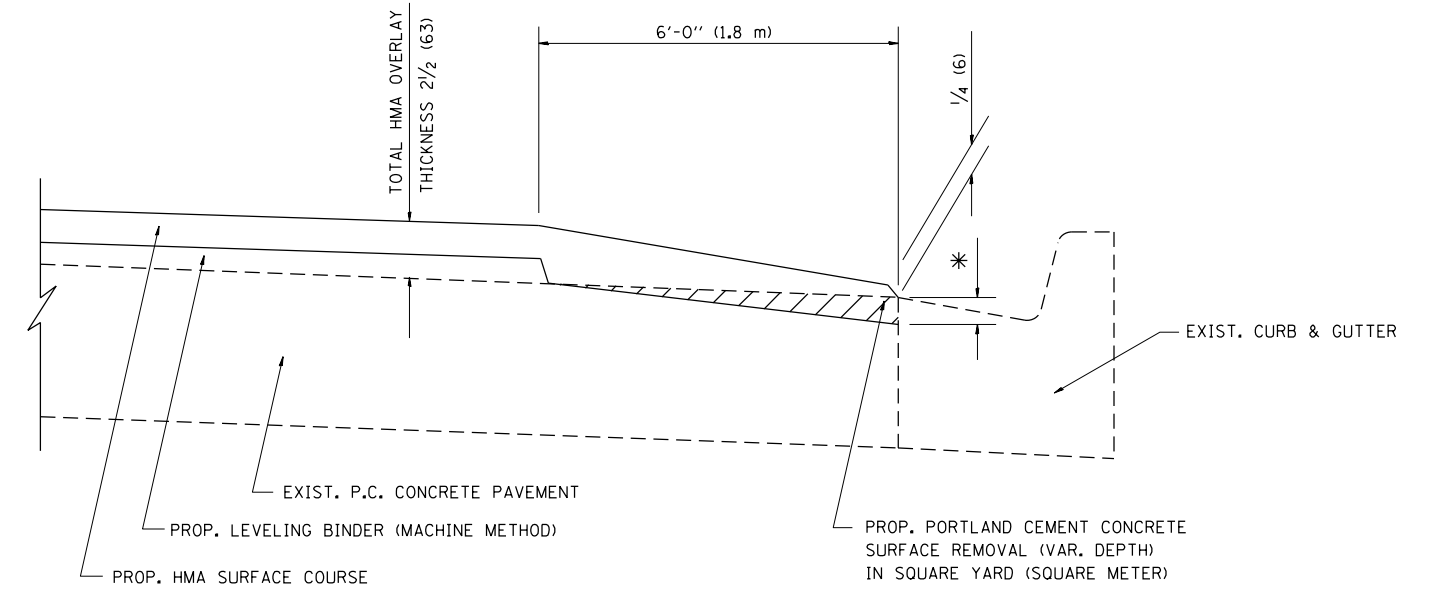
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = Velichkovv	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\1\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI247\Drawings\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 5/13/2016	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	89
BD400-05 BD32		CONTRACT NO. 60V98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

HMA SURFACE	THICKNESS	LEVELING BINDER THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1 1/2 (38)	1 (25)	1/4 (33)
F	1 3/4 (44)	3/4 (19)	1/2 (38)

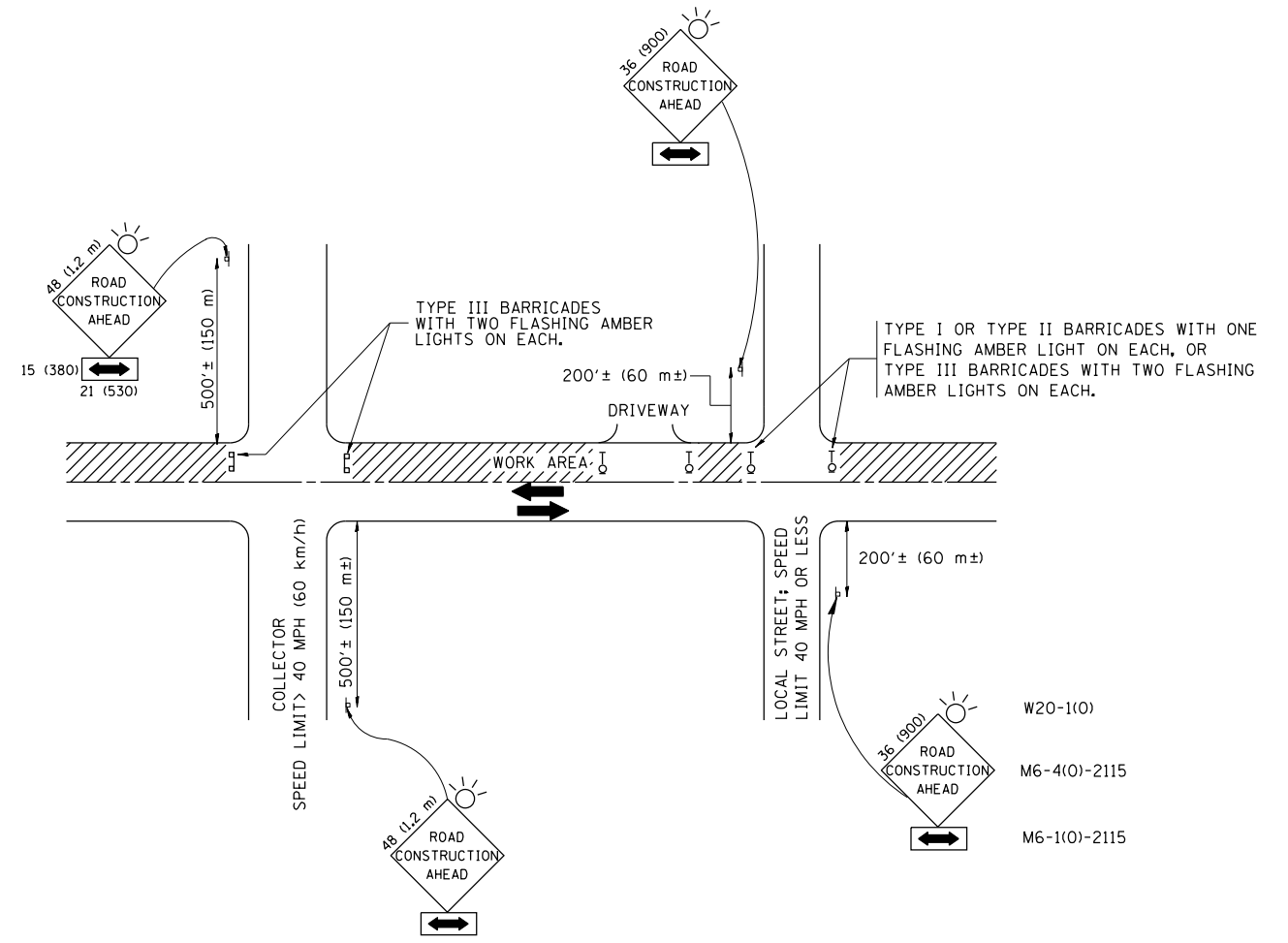
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
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	PLOT SCALE = 100.0000' / in.	DATE - 09-10-94	REVISED - E. GOMEZ 12-21-00
	PLOT DATE = 5/13/2016		REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT EDGE OF P.C.C. PAVEMENT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	90
BD400-06 (BD33)		CONTRACT NO. 60V98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 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:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

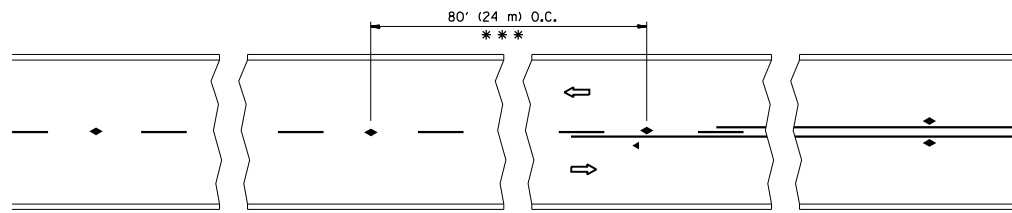
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 5/13/2016	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

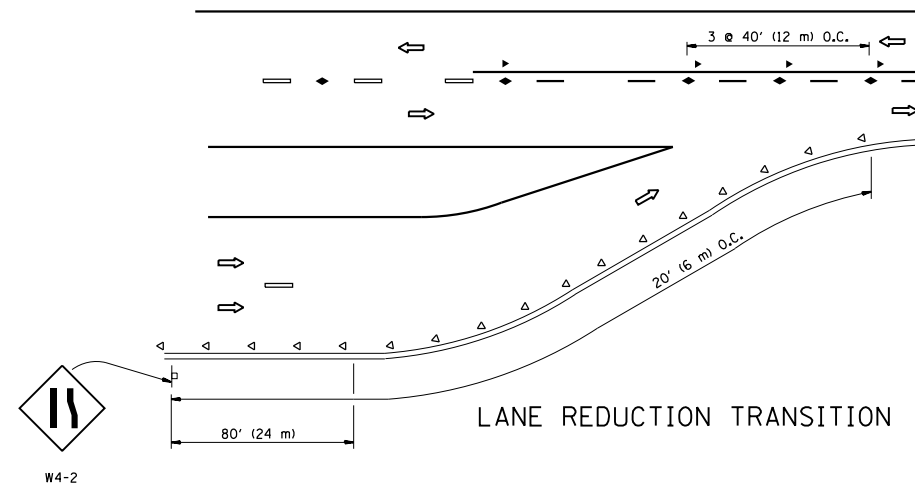
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	91
TC-10		CONTRACT NO. 60V98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

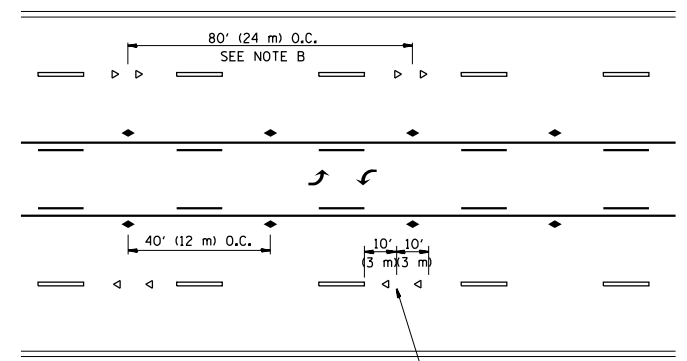


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

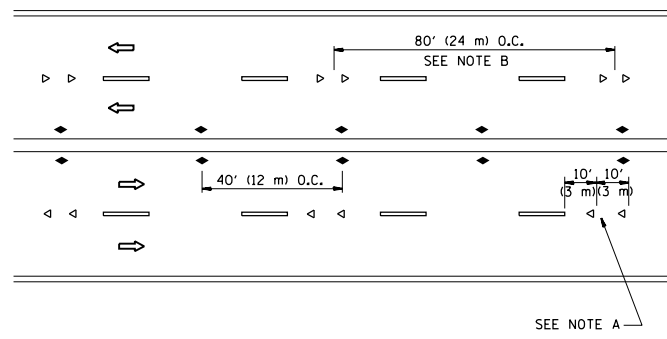
TWO-LANE/TWO-WAY



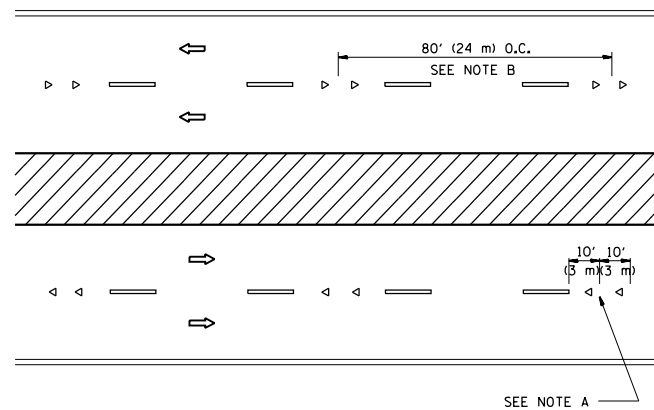
LANE REDUCTION TRANSITION



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

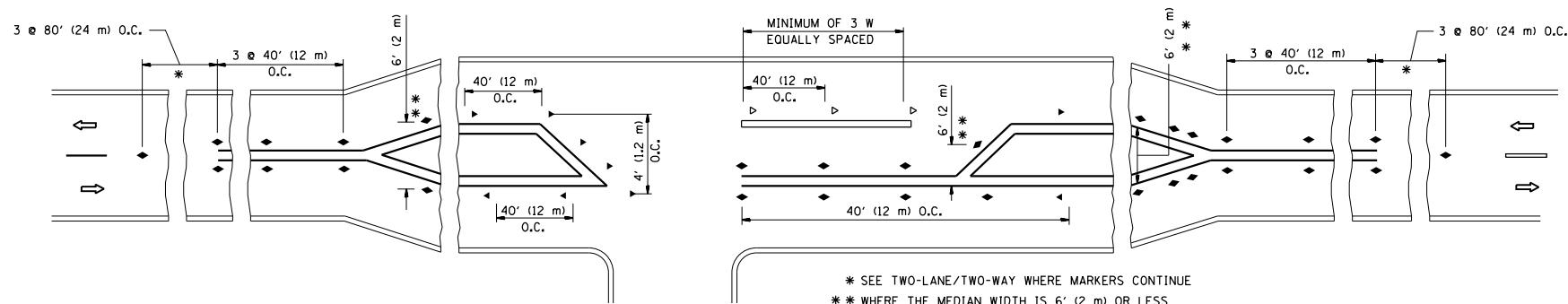
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

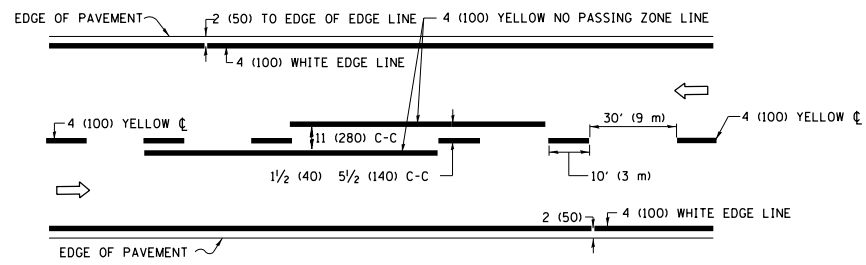
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

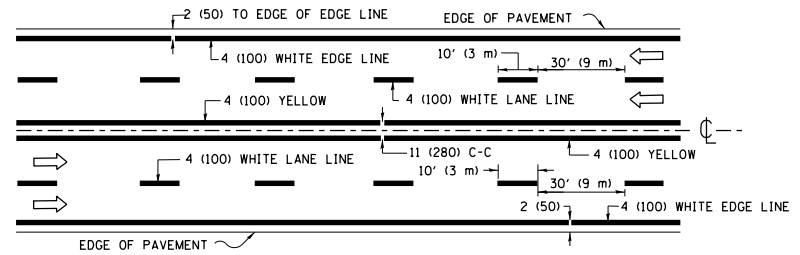
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

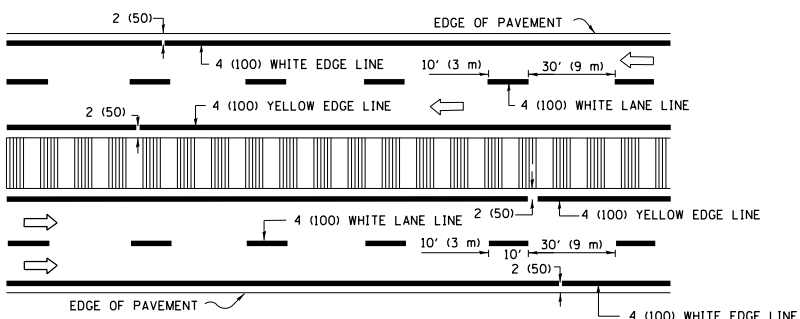
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	92
TC-11			CONTRACT NO. 60V98	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

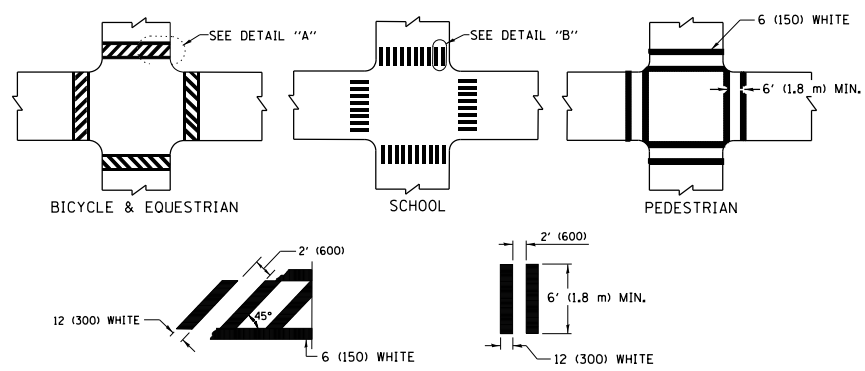


MULTI-LANE UNDIVIDED



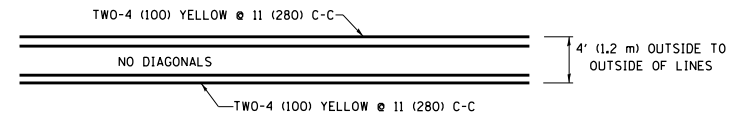
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

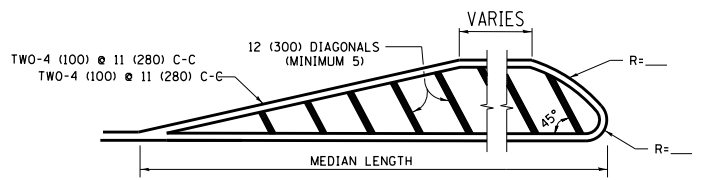


TYPICAL CROSSWALK MARKING

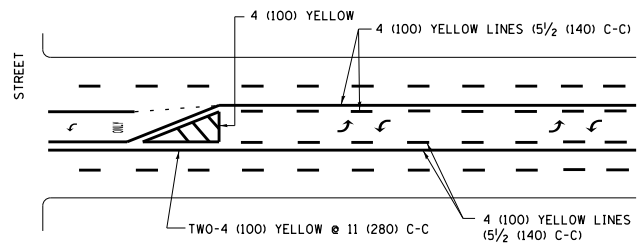
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



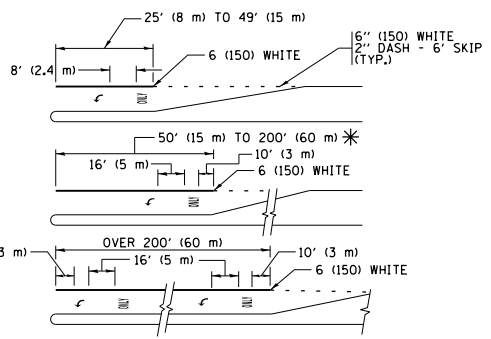
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



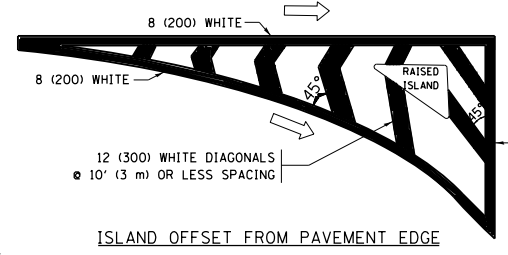
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



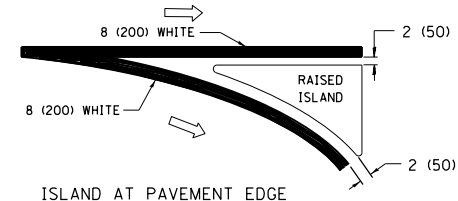
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

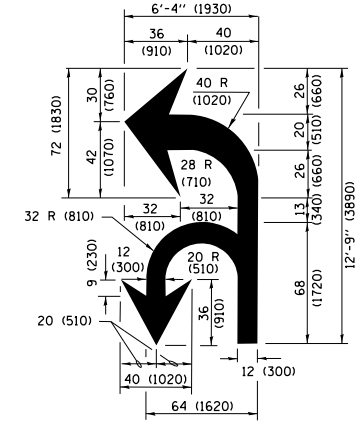
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



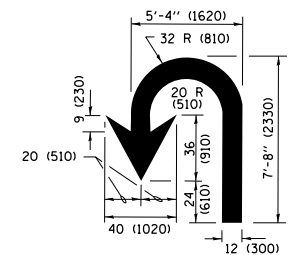
ISLAND OFFSET FROM PAVEMENT EDGE



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	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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' (22.5 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.

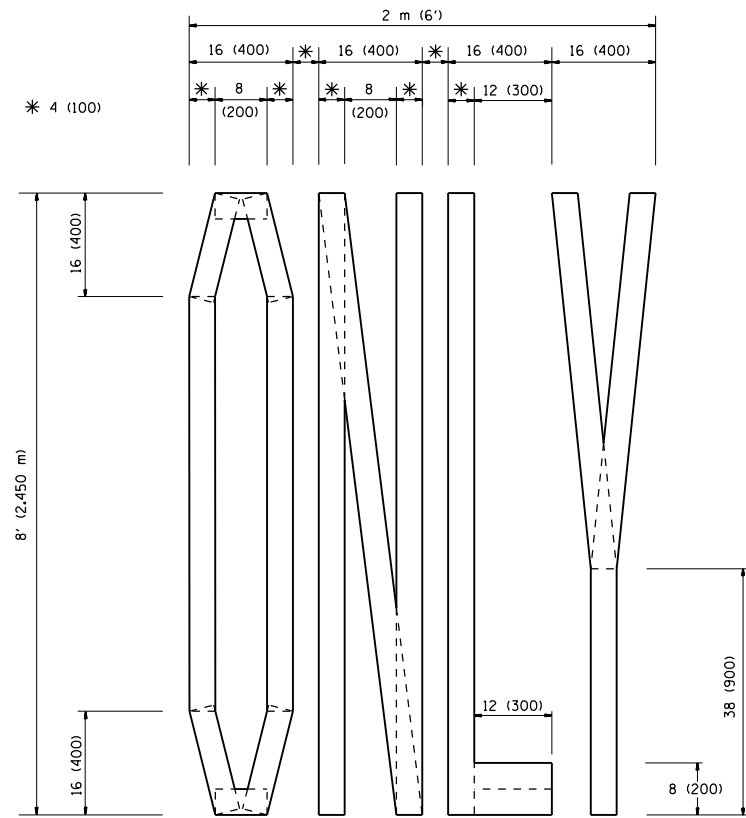
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Velichkovv	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\illinois.gov\PIWDD\Documents\DOT Offices\District 1\Projects\P1247\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 5/13/2016		REVISED - C. JUCIUS 04-12-16

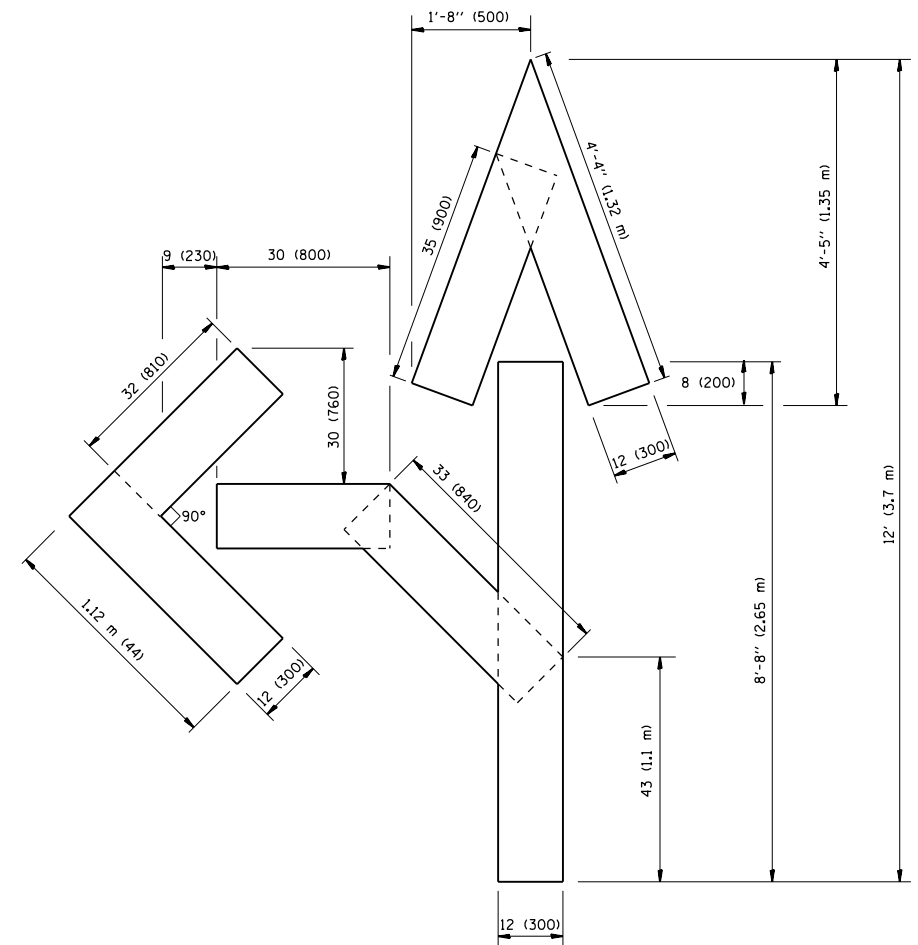
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

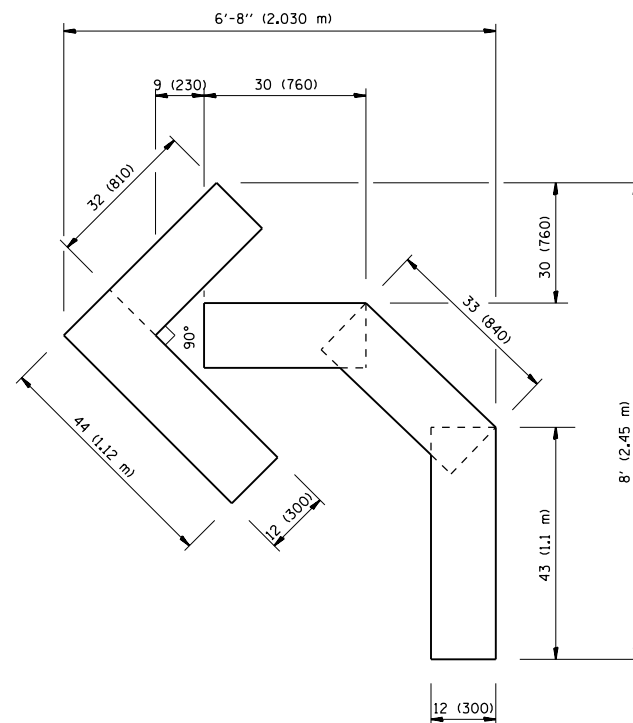
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	93
TC-13		CONTRACT NO. 60V98		
ILLINOIS FED. AID PROJECT				



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



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



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

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

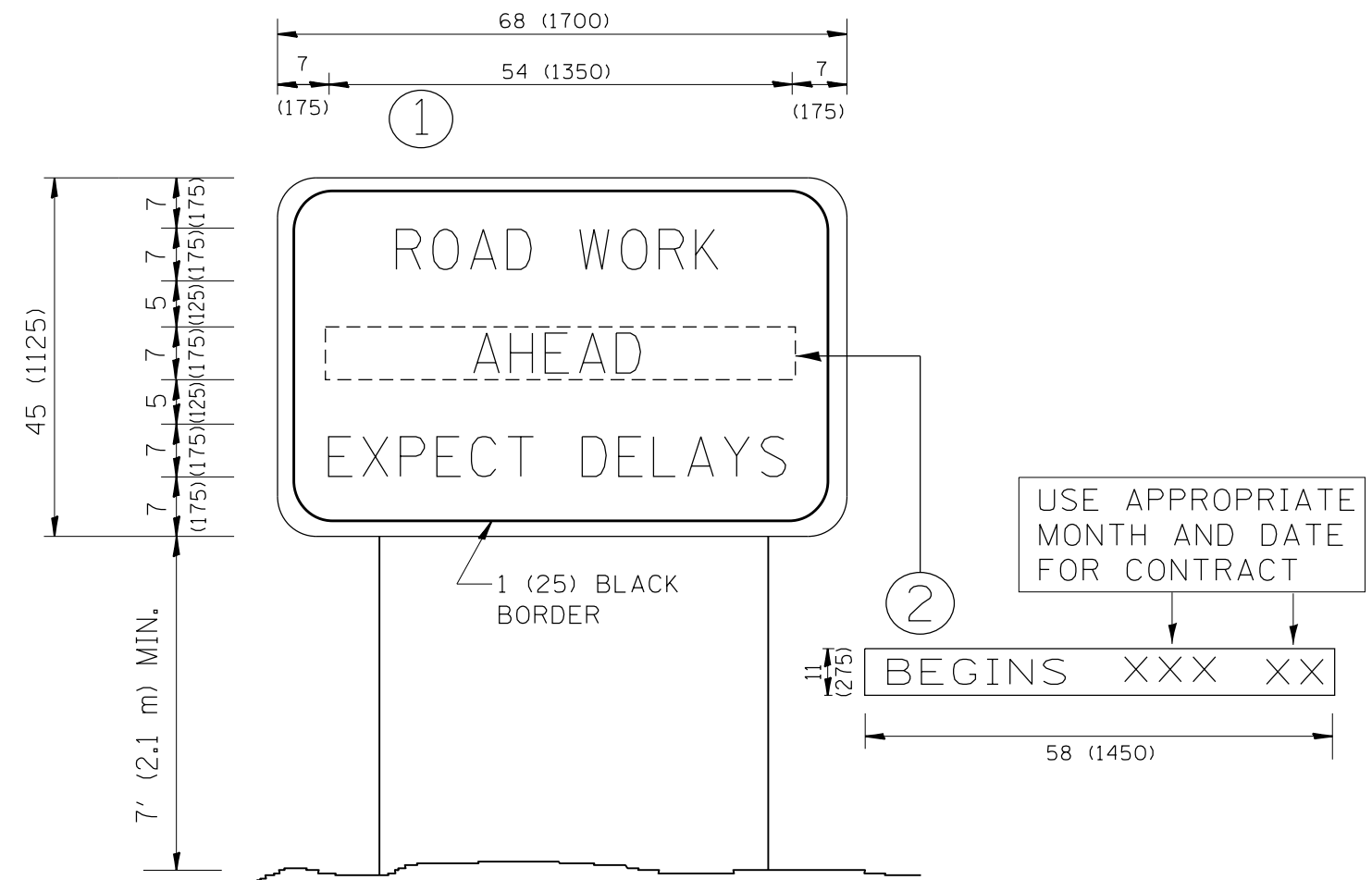
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		DATE - 09-18-94	REVISED -T. RAMMACHER 03-02-98
			REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	94
TC-16		CONTRACT NO. 60V98		
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.

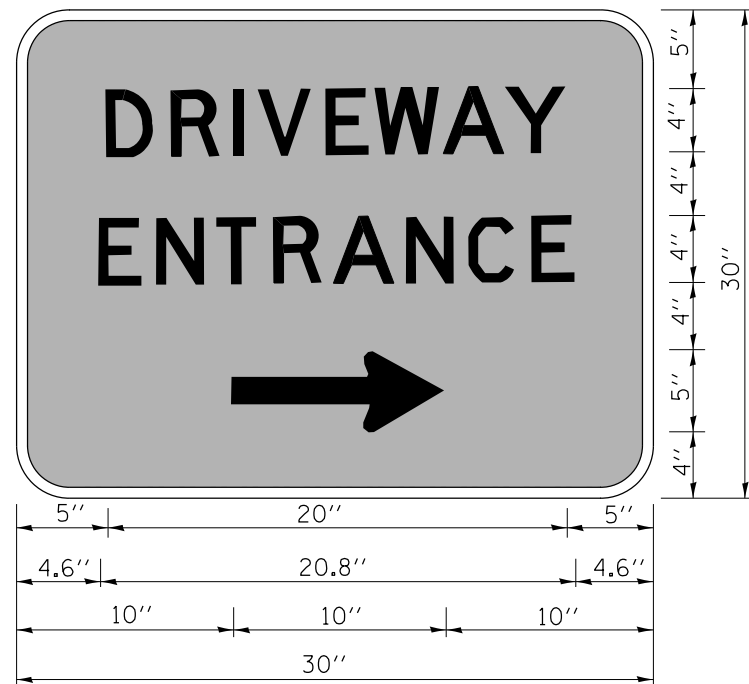
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	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 5/13/2016		REVISED - C. JUCIUS 01-31-07

**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	3041N-2 (12)	COOK	102	95
TC-22		CONTRACT NO. 60V98		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - C. JUCIUS 02-15-07
p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI247\Drawings\Design\DistStd.dgn		CHECKED -	REVISED -
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	PLOT DATE = 5/13/2016		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

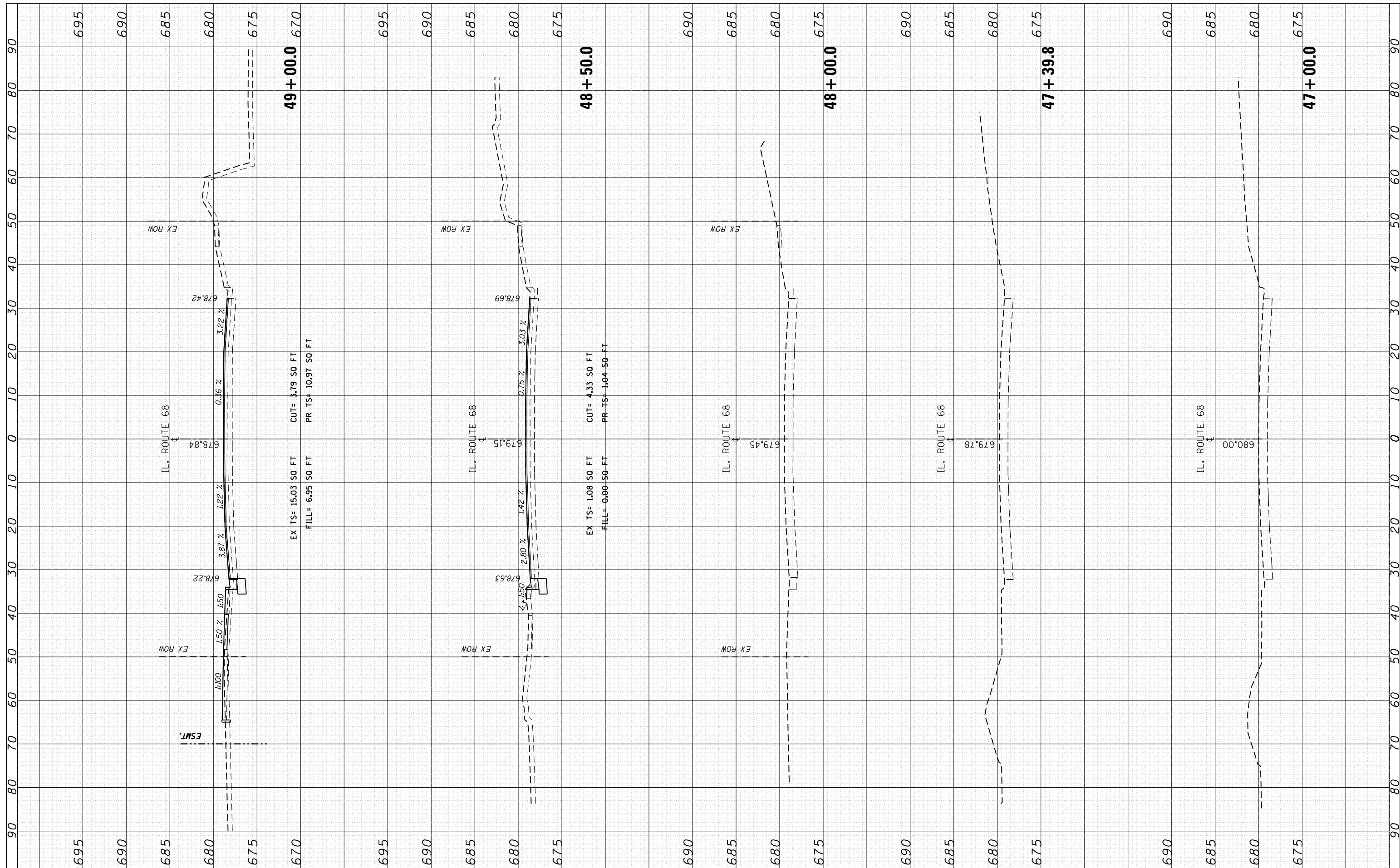
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	96
TC-26			CONTRACT NO. 60V98	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME =
 USER NAME = Velichkovv
 DESIGNED -
 REVISIONS -
 PLOT SCALE = 20.0000' / in.
 CHECKED -
 DATE -

DESIGNED -
 REVISIONS -
 CHECKED -
 DATE -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

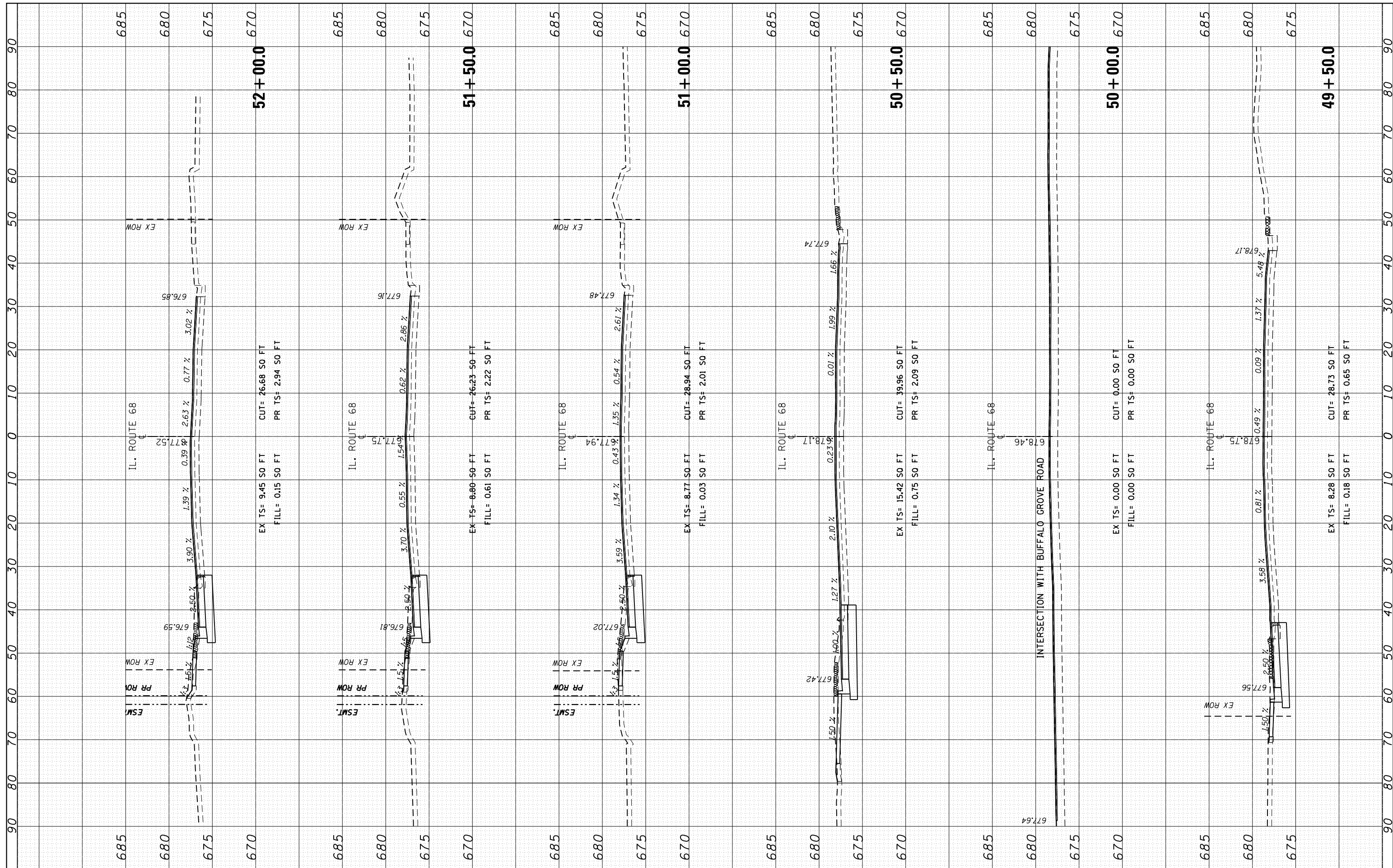
**IL RTE 68 (DUNDEE RD) AT BUFFALO GROVE RD
 CROSS SECTIONS - IL 68**

SCALE: SHEET OF SHEETS STA. 47+00.0 TO STA. 49+00.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	3041N-2 (12)	COOK	102	97
CONTRACT NO. 60V98				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED
BY	DATE
NO.	

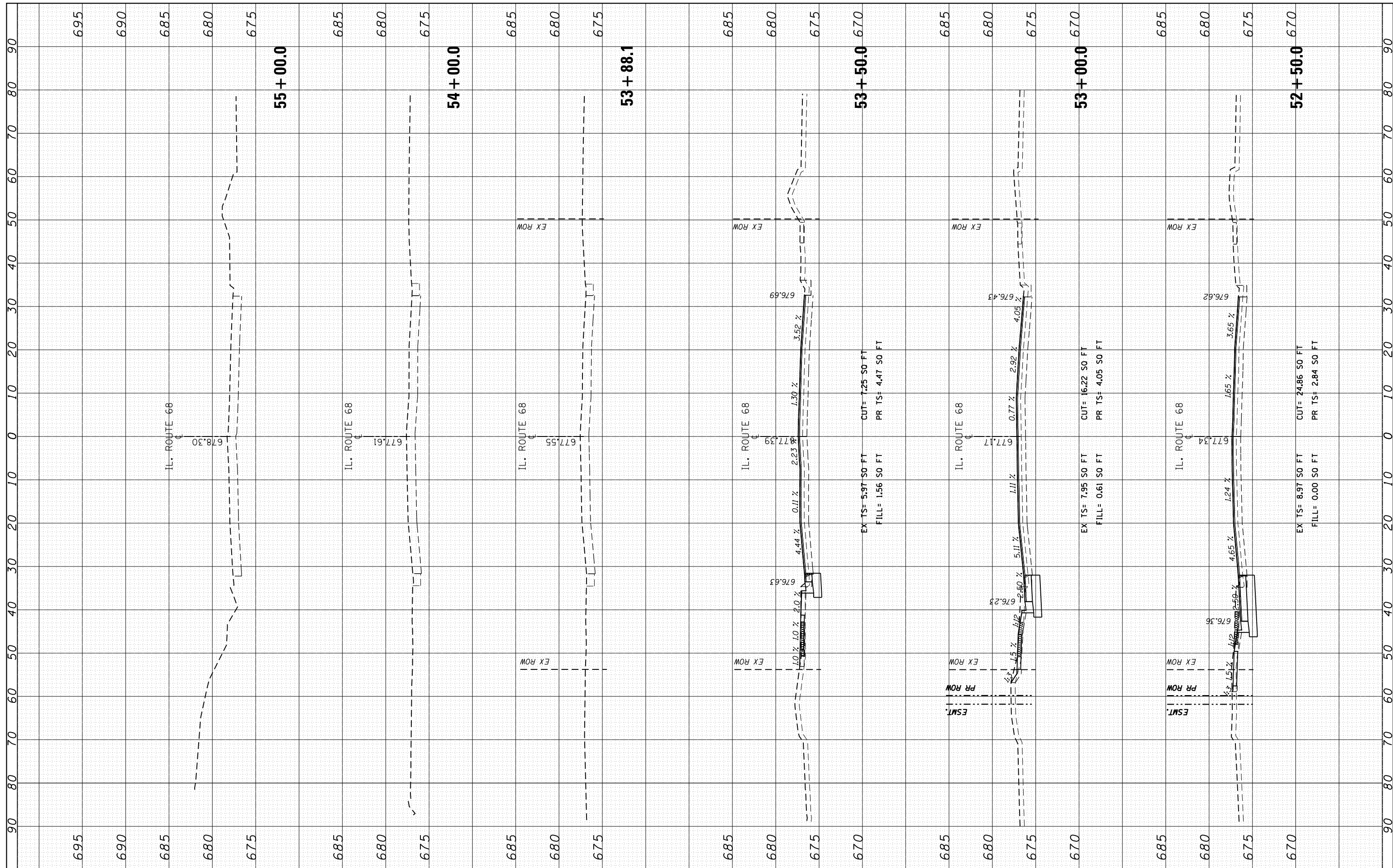
ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED
BY	DATE
NO.	



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 68 (DUNDEE RD) AT BUFFALO GROVE RD CROSS SECTIONS - IL 68	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	\\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\P124712\CADD\Drawings\P324712-sht-xssht-IL68.dgn	CHECKED -	REVISED -			343	3041N-2 (12)	COOK	102	98	
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	PLOT DATE = 5/13/2016		REVISED -			ILLINOIS FED. AID PROJECT					

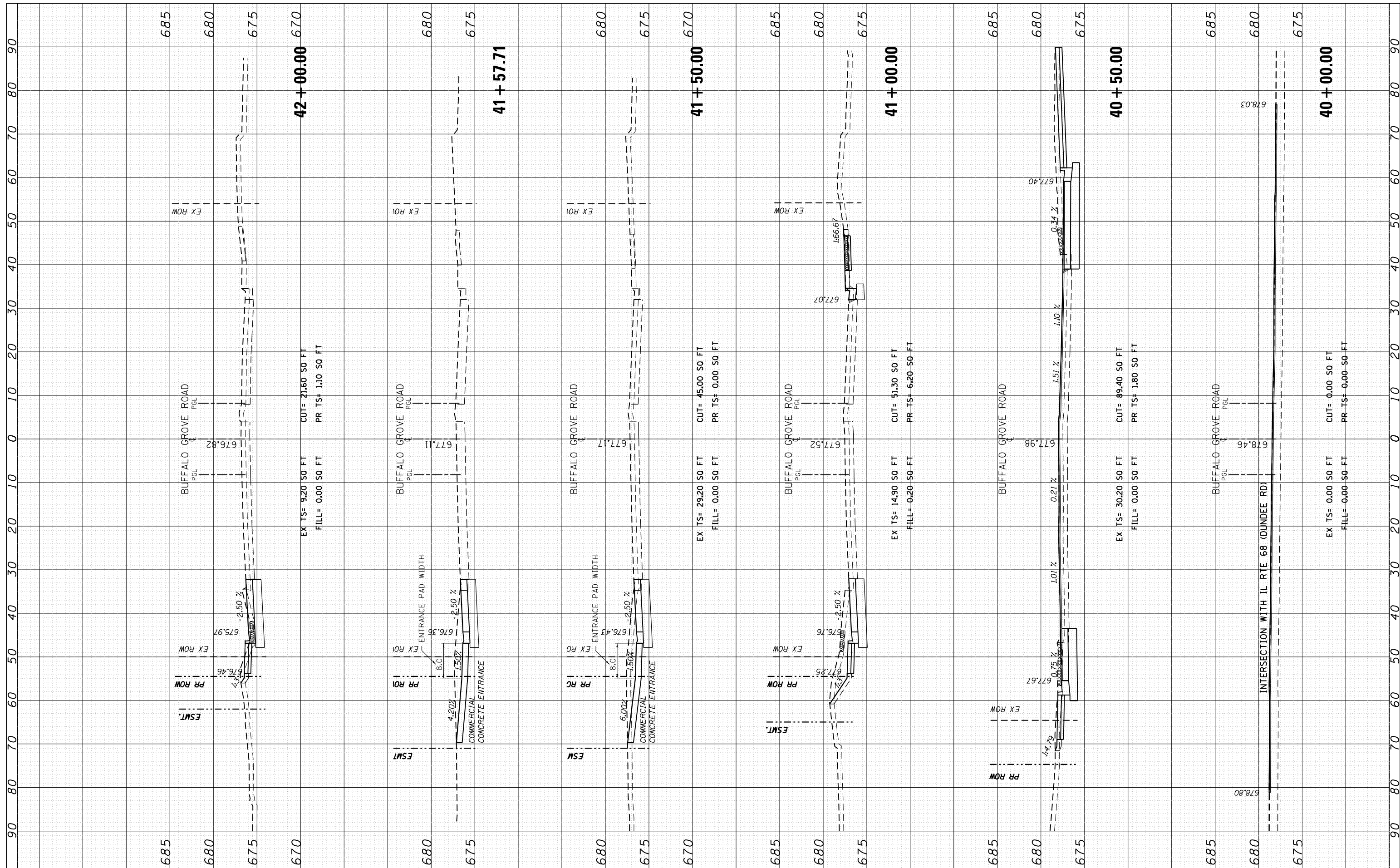
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		



FINAL SURVEY NO.	SURVEYED BY	DATE
PLOTTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED BY	DATE
PLOTTED		
TEMPLATE		
AREAS CHECKED		



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 PLOT DATE = 5/13/2016

USER NAME = Velichkovv	DESIGNED -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

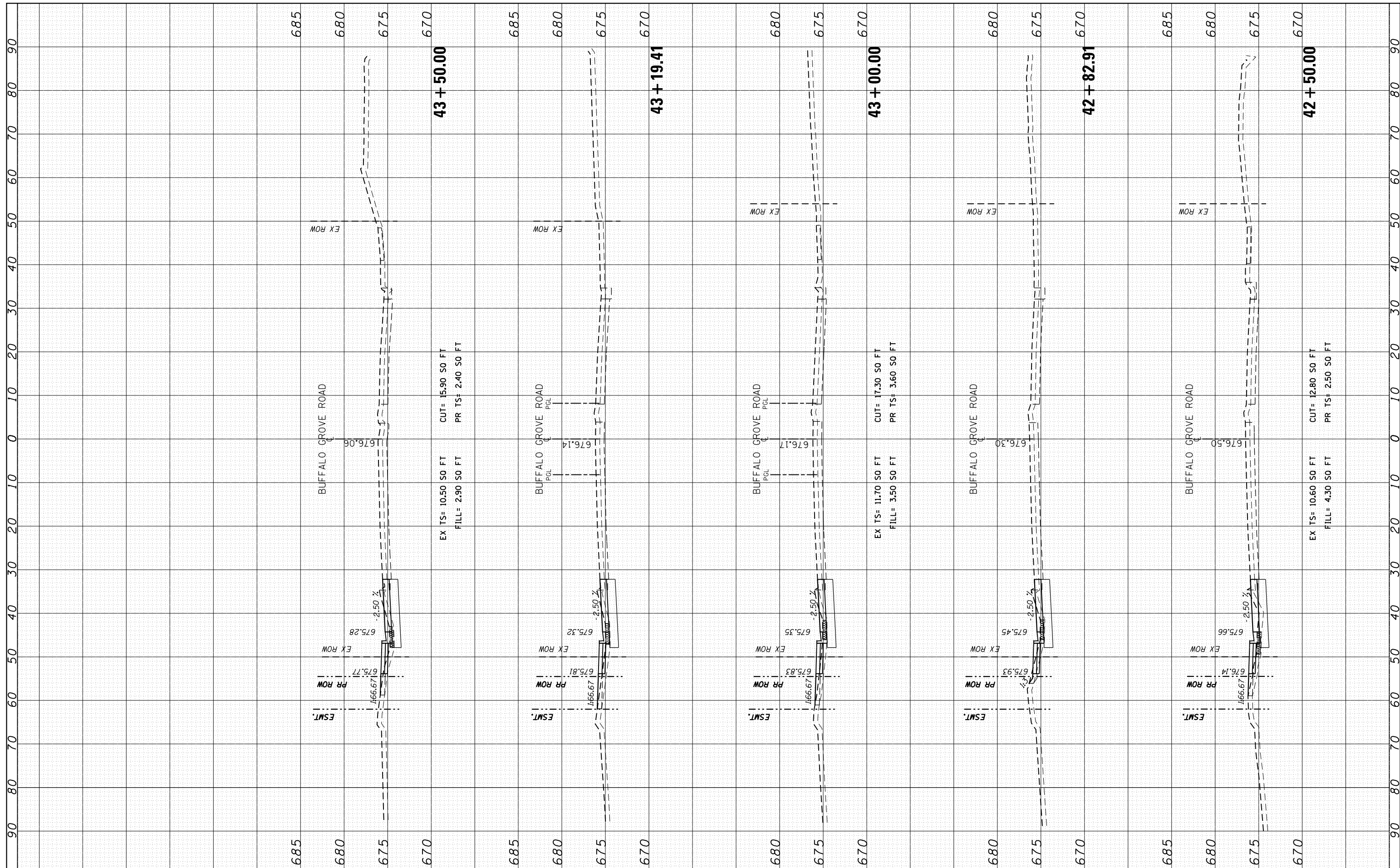
**IL RTE 68 (DUNDEE RD) AT BUFFALO GROVE RD
CROSS SECTIONS - BUFFALO GROVE RD**

SCALE: SHEET OF SHEETS STA. 40+00.00 TO STA. 42+00.00

F.A.P. RTE. 343	SECTION 3041N-2 (12)	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 100
CONTRACT NO. 60V98			ILLINOIS FED. AID PROJECT	

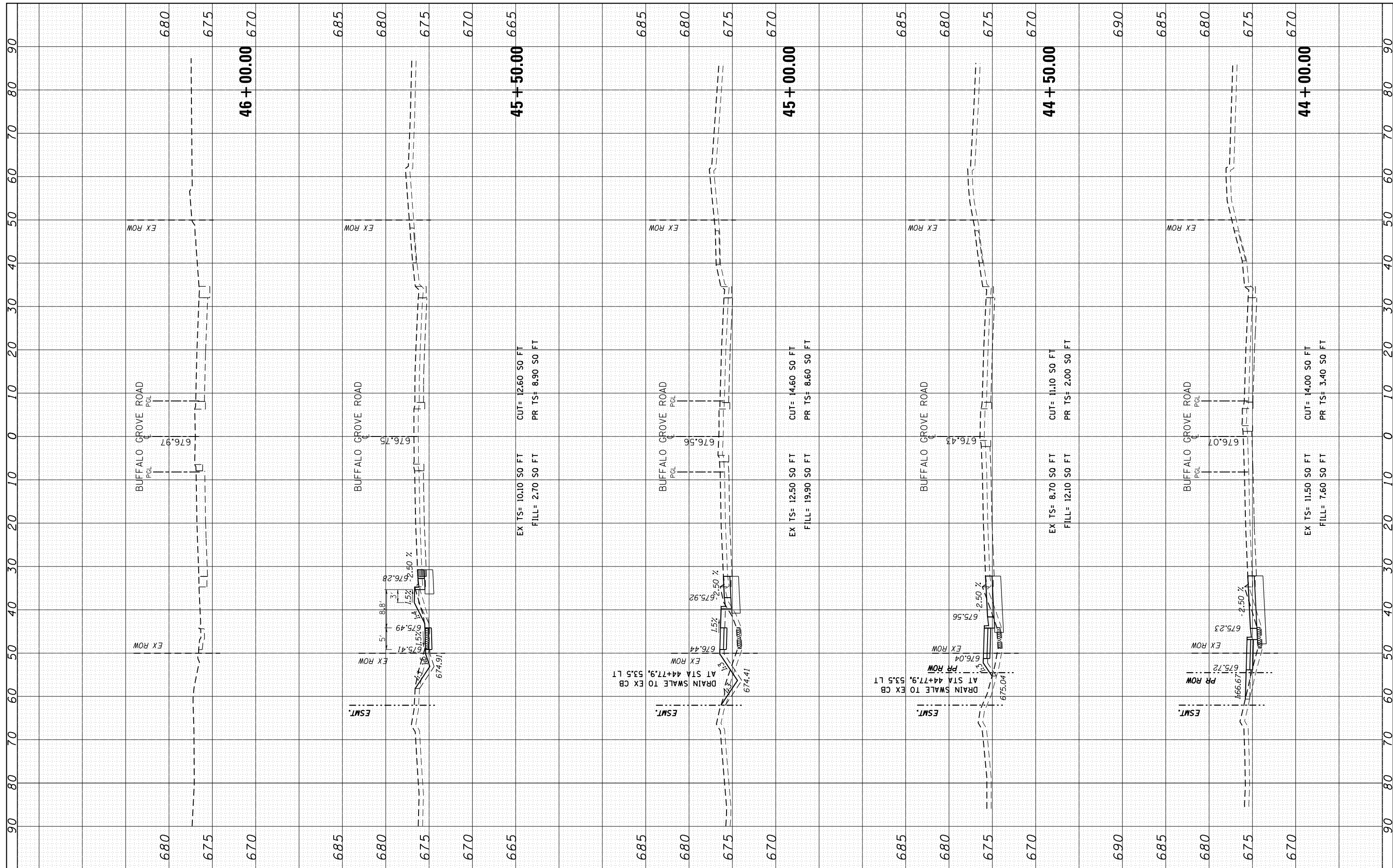
FINAL SURVEY NO.	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 68 (DUNDEE RD) AT BUFFALO GROVE RD CROSS SECTIONS - BUFFALO GROVE RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	DOT Offices\District 1\Projects\P124712\CADD\Drawings\324712-shr-ssht-BuffaloGrove	CHECKED -	REVISED -			343	3041N-2 (12)	COOK	102	102	
	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 60V98					
	PLOT DATE = 5/13/2016					ILLINOIS FED. AID PROJECT					