

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
2582	14-00115-00-PV	COOK	199
ILLINOIS CONTRACT NO. 61E29			1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**FAU ROUTE 2582 (PLUM GROVE ROAD)
IL ROUTE 72 (HIGGINS ROAD) TO IL ROUTE 58 (GOLF ROAD)
RECONSTRUCTION /TRAFFIC SIGNAL**

SECTION: 14-00115-00-PV

PROJECT: 3JJ1(866)

VILLAGE OF SCHAUMBURG

COOK COUNTY

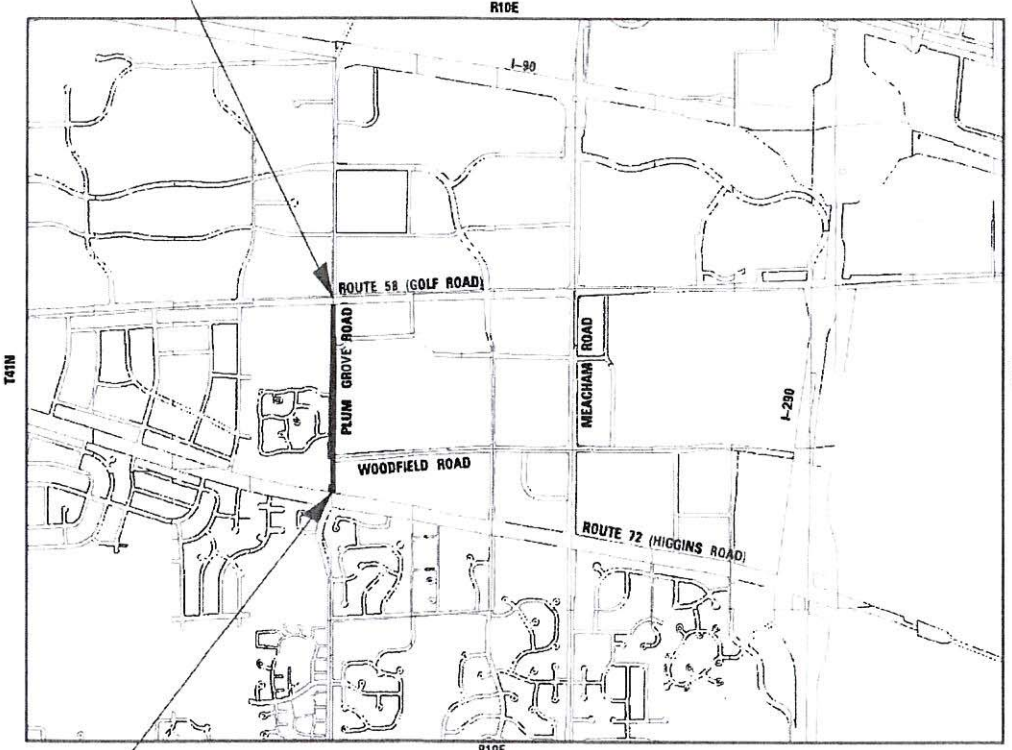
JOB NUMBER: C-91-060-16

TRAFFIC DATA

PLUM GROVE ROAD = MAJOR COLLECTOR
POSTED SPEED LIMIT = 40 MPH
DESIGN SPEED LIMIT = 45 MPH
2014 ADT = 14,700
2040 ADT = 16,700

PLUM GROVE ROAD
IMPROVEMENT ENDS
STA 44 + 15

PLUM GROVE ROAD
IMPROVEMENT BEGINS
STA 12 + 28.9



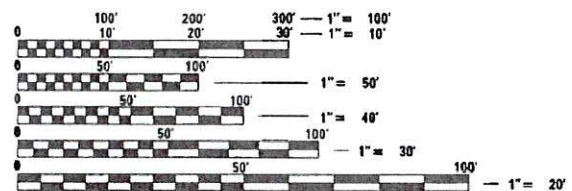
SCHAUMBURG TOWNSHIP
LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 3,186 FT. = 0.603 MILE
NET LENGTH = 3,186 FT. = 0.603 MILE

BAXTER & WOODMAN
Consulting Engineers



LOCATION OF SECTION INDICATED THUS: -



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

J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. X1101019



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

CONTRACT NO. 61E29



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *David Lunsby* - Dir. EPW
VILLAGE OF SCHAUMBURG

PASSED _____

DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW

REGION ONE ENGINEER

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

B&W PROJECT NO.: 150615 DATE: 10-9-17

Submittal Program and Office Engineer: Charles F. Riddle, PE 847-705-4406, Schaumburg, IL

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HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-04	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424026-02	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602401-04	PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER
602402	PRECAST MANHOLE TYPE A 5' (1.52m) DIAMETER
602406-08	PRECAST MANHOLE TYPE A 6' (1.83 m) DIAMETER
602506	PRECAST VALVE VAULT TYPE A 5' (1.52) DIAMETER
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604011-05	FRAME AND GRATE TYPE 3V
604036-03	GRATE TYPE 8
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIANS
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-08	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-09	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
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TS-05	DISTRICT 1 DETAIL - STANDARD TRAFFIC SIGNAL DESIGN DETAILS
	DISTRICT 1 DETAIL - LIGHTED STREET NAME SIGN

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
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DESIGNED -	AMW	REVISED -	
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CHECKED -	DJS	REVISED -	
DATE -	10-9-17	FILE -	50615-SHT-Index.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, HIGHWAY STANDARDS,
 AND INDEX OF SHEETS**

SCALE: NONE	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT C-91-060-16
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	2
			CONTRACT NO. 61E29	


LANDSCAPE PRESERVATION

1. ALL TREES ARE DESIGNATED TO BE SAVED UNLESS OTHERWISE NOTED ON THE PLANS, AND SHALL BE PROTECTED IN ACCORDANCE WITH THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
2. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ALL TREE PROTECTION, TREE REMOVAL, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DETERMINED BY THE ENGINEER.
3. TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WHEN DETERMINED BY THE ENGINEER AS SHOWN ON THE PLANS. AFTER TREES ARE SAFELY FENCED NOTHING SHALL BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER CONSTRUCTION WORK HAS BEEN COMPLETED.
4. THE CONTRACTOR SHALL MARK ALL TREES TO BE REMOVED IN A MANNER MEETING THE APPROVAL OF THE ENGINEER PRIOR TO THE START OF REMOVAL OPERATIONS. ALL TREES TO BE REMOVED SHALL BE APPROVED BY THE ENGINEER PRIOR TO REMOVAL.
5. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY. IF MUNICIPAL WATER IS NOT USED THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE SOURCE OF WATER USED AND PROVIDE WRITTEN CERTIFICATION THAT THE WATER DOES NOT CONTAIN CHEMICALS HARMFUL TO PLANT GROWTH. THE NORMAL RATES OF APPLICATION FOR WATERING ARE 3 GALLONS PER SQUARE YARD FOR TURF AND PERENNIAL PLANTS, 10 GALLONS PER TREE, AND 3 GALLONS PER SHRUB. THE ENGINEER WILL ADJUST THESE RATES AS NEEDED DEPENDING UPON WEATHER CONDITIONS. A SPRAY NOZZLE THAT DOES NOT DAMAGE SMALL PLANTS MUST BE USED WHEN WATERING PERENNIAL PLANTS ON TURF. AN OPEN HOSE MAY BE USED TO WATER TREES AND SHRUBS IF MULCH AND SOIL ARE NOT DISPLACED BY WATERING. THE CONTRACTOR MUST SUPPLY METERING EQUIPMENT AS NEEDED TO ASSURE THE SPECIFIED APPLICATION RATE OF WATER.

MWRD GENERAL NOTES

6. THE MWRD SHALL HAVE 24 HOUR A DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/ SEWERS/ FACILITIES.
7. NO DEBRIS SHALL ENTER MWRD STRUCTURES/ SEWERS/ FACILITIES/ WATERWAYS.
8. ALL ACCESS HATCHES/ MANHOLE COVERS ON MWRD STRUCTURES/ MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/ COVERED.
9. THE PERMITEE/ CO-PERMITEE SHALL RESTORE THE WORK SITE AREA, INCLUDING ACCESS ROADS AND MWRD STRUCTURES/ FACILITIES, TO THE CONDITION IT WAS IN PRIOR TO THE COMPLETED WORK.
10. THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING THE EXCAVATION IN CRITICAL LOCATIONS (E.G. OLDER INTERCEPTORS SUSCEPTIBLE TO DAMAGE). THE LAST TWO (2) FEET OF EXCAVATION IN SAID CRITICAL AREAS SHALL EITHER BE HAND EXCAVATED OR VACUUM EXCAVATED. THE PERMITEE/ CO-PERMITEE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO MWRD FACILITIES.
11. DISTRICT FACILITIES SHALL BE LOCATED PRIOR TO PROCEEDING WITH ANY CONSTRUCTION WORK. FOR ANY QUESTIONS REGARDING ACCESS TO OUR FACILITY OR FIELD LOCATION, PLEASE CONTACT MR. STEVE WHITEHEAD AT 847-568-8329.
12. DISTRICT FACILITIES SHALL BE LOCATED, PROTECTED AND/ OR ADJUSTED TO GRADE, IF NECESSARY. PRIOR AUTHORIZATION IS REQUIRED TO MAKE ANY STRUCTURAL MODIFICATIONS, INCLUDING MANHOLE FRAME AND LID ADJUSTMENTS. AUTHORIZATION MAY BE OBTAINED BY CONTACTING MR. ED STAUDACHER, MANAGING CIVIL ENGINEER, AT (708) 588-4319.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
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	DATE - 10-9-17	FILE - 150615-SHT-GenNotes.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	4
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
	URBAN	URBAN	URBAN	URBAN			
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	277	277			
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	160	160			
20101000	TEMPORARY FENCE	FOOT	340	340			
* 20101100	TREE TRUNK PROTECTION	EACH	4	4			
* 20101200	TREE ROOT PRUNING	EACH	3	3			
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	14	14			
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	8	8			
* 20101700	SUPPLEMENTAL WATERING	UNIT	91	91			
20200100	EARTH EXCAVATION	CU YD	8 373	8,373			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3 077	3,077			
20800150	TRENCH BACKFILL	CU YD	4 213	4,213			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	9 882	9,882			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	7 543	7,543			
21101630	TOPSOIL FURNISH AND PLACE, 8"	SQ YD	109	109			
* 25000312	SEEDING, CLASS 4A	ACRE	0 1	0 1			

* INDICATES SPECIALTY ITEM
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
	URBAN	URBAN	URBAN	URBAN			
* 25000400	NITROGEN FERTILIZER NUTRIENT	FOUND	94	94			
* 25000600	POTASSIUM FERTILIZER NUTRIENT	FOUND	94	94			
* 25100630	EROSION CONTROL BLANKET	SQ YD	109	109			
* 25200110	SODDING, SALT TOLERANT	SQ YD	7 543	7 543			
28000250	TEMPORARY EROSION CONTROL SEEDING	FOUND	173	173			
28000305	TEMPORARY DITCH CHECKS	FOOT	102	102			
28000400	PERIMETER EROSION BARRIER	FOOT	600	600			
28000510	INLET FILTERS	EACH	67	67			
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	6 667	6 667			
28001200	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	1 654	1 654			
28100107	STONE RIPRAP, CLASS A4	SQ YD	20	20			
28200200	FILTER FABRIC	SQ YD	20	20			
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	2 106	2 106			
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	21 041	21,041			
35101582	AGGREGATE BASE COURSE, TYPE B 2"	SQ YD	5 204	5 204			

* INDICATES SPECIALTY ITEM
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED - AMW	REVISED -
DRAWN - UKB	REVISED -
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DATE - 10-9-17	FILE - 150615-SHT-500.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	709	709			
35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	105	105			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,281	3,281			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	13	13			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4 75 N50	TON	315	315			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	138	138			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MX "D" N70	TON	629	629			
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	12,672	12,672			
40701886	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 10 1/4"	SQ YD	18,772	18,772			
42001300	PROTECTIVE COAT	SQ YD	6,985	6,985			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	41,082	41,082			
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,895	1,895			
42400800	DETECTABLE WARNINGS	SQ FT	505	505			
44000100	PAVEMENT REMOVAL	SQ YD	20,893	20,893			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"	SQ YD	7,291	7,291			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	751	751			
44000300	CURB REMOVAL	FOOT	47	47			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6,391	6,391			
44000600	SIDEWALK REMOVAL	SQ FT	14,107	14,107			
44003100	MEDIAN REMOVAL	SQ FT	8,048	8,048			
44201717	CLASS D PATCHES, TYPE II 6 INCH	SQ YD	30	30			
44201721	CLASS D PATCHES, TYPE III 6 INCH	SQ YD	140	140			
44201723	CLASS D PATCHES, TYPE IV 6 INCH	SQ YD	380	380			
44201823	CLASS D PATCHES, TYPE I 15 INCH	SQ YD	139	139			
44201827	CLASS D PATCHES, TYPE II 15 INCH	SQ YD	139	139			
44201831	CLASS D PATCHES, TYPE III 15 INCH	SQ YD	139	139			
44201833	CLASS D PATCHES, TYPE IV 15 INCH	SQ YD	202	202			
50102400	CONCRETE REMOVAL	CU YD	228	228			
50105220	PIPE CULVERT REMOVAL	FOOT	51	51			
50200100	STRUCTURE EXCAVATION	CU YD	222	222			

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN

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DATE - 10-9-17	FILE - 150615-SHT-500.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
25B2	14-00115-00-PV	COOK	199	6
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
50300225	CONCRETE STRUCTURES	CU YD	7.2	7.2			
50300285	FORM LINER TEXTURED SURFACE	SQ FT	540	540			
50300300	PROTECTIVE COAT	SQ YD	60	60			
50800205	REINFORCEMENT BARS EPOXY COATED	FOUND	16,500	16,500			
* 50900805	PEDESTRIAN RAILING	FOOT	95	95			
* 50901750	PARAPET RAILING	FOOT	54	54			
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,235	1,235			
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	1,346	1,346			
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	39.1	39.1			
54002050	EXPANSION BOLTS 3/4 INCH X 9 INCH	EACH	13	13			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2			
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	347	347			
550A2360	STORM SEWERS, RUBBER GASKET CLASS A, TYPE 1 24"	FOOT	54	54			
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	1,105	1,105			
550A2530	STORM SEWERS, RUBBER GASKET CLASS A, TYPE 2 15"	FOOT	224	224			

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
550A2540	STORM SEWERS, RUBBER GASKET CLASS A TYPE 2 18"	FOOT	115	115			
550A2600	STORM SEWERS, RUBBER GASKET, CLASS A TYPE 2 36"	FOOT	83	83			
55100200	STORM SEWER REMOVAL 6"	FOOT	10	10			
55100400	STORM SEWER REMOVAL 10"	FOOT	110	110			
55100500	STORM SEWER REMOVAL 12"	FOOT	2,317	2,317			
55100700	STORM SEWER REMOVAL 15"	FOOT	1,152	1,152			
55100900	STORM SEWER REMOVAL 18"	FOOT	438	438			
55101600	STORM SEWER REMOVAL 36"	FOOT	85	85			
* 56105702	INSERTING VALVES 12"	EACH	1	1			
* 56106600	ADJUSTING WATER MAIN 12"	FOOT	300	300			
* 56400510	FIRE HYDRANTS TO BE REMOVED AND REPLACED	EACH	10	10			
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	16	16			
60108204	PIPE UNDERDRAINS, TYPE 2 4"	FOOT	5,102	5,102			
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	7	7			

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
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BAXTER & WOODMAN	DESIGNED - AMW	REVISED -
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	DATE - 10-9-17	FILE - 150615-SHT-S00.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	STA. TO STA.	2582	14-00115-00-PV	COOK	199	7
		CONTRACT NO. 61E29				
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1			
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	9	9			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6			
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1			
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6			
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3			
60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6			
60222270	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	2	2			
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	9	9			
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	5	2	3		
60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	3			
60255500	MANHOLES TO BE ADJUSTED	EACH	6	6			
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	7	7			
60500040	REMOVING MANHOLES	EACH	25	25			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
60500050	REMOVING CATCH BASINS	EACH	41	41			
60500060	REMOVING INLETS	EACH	9	9			
60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	2	2			
60500080	REMOVING CATCH BASINS TO MAINTAIN FLOW	EACH	1	1			
60500105	FILLING MANHOLES	EACH	1	1			
60600605	CONCRETE CURB, TYPE B	FOOT	34	34			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6 12	FOOT	1,079	1,079			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6 24	FOOT	5,344	5,344			
60622000	CONCRETE MEDIAN, TYPE SM-2.12	SQ FT	710	710			
60624600	CORRUGATED MEDIAN	SQ FT	4,382	4,382			
63200310	GUARDRAIL REMOVAL	FOOT	153	153			
66300105	CALCIUM CHLORIDE APPLIED	TON	17	17			
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,565	1,565			
66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1			
66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10			

* INDICATES SPECIALTY ITEM
 § INDICATES CONSTRUCTION CODE 0042 TRAINEES

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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DATE - 10-9-17	FILE - 150615-SHT-500.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-0015-00-PV	COOK	199	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED	80% FED	80% FED	80% FED
				20% VILL	20% VILL	20% VILL	20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
0004	0021	0021	0021				
URBAN	URBAN	URBAN	URBAN				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9			
67100100	MOBILIZATION	LSUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	325	325			
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	1,360	1,360			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,938	3,938			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,313	1,313			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	2,260	2,260			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	52,350	52,350			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	7,490	7,490			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	930	930			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	260	260			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1,400	1,400			
70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SQ FT	330	330			
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	1,300	1,300			
70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	810	810			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED	80% FED	80% FED	80% FED
				20% VILL	20% VILL	20% VILL	20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
0004	0021	0021	0021				
URBAN	URBAN	URBAN	URBAN				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	500	500			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	500	500			
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2			
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2			
72000100	SIGN PANEL - TYPE 1	SQ FT	341	330	11		
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	31	31			
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1			
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	692	692			
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	629	629			
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9,386	9,386			
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,945	3,945			
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	205	205			
78000800	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	750	750			
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	395	395			
78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	37			

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN CONSULTING ENGINEERS	DESIGNED - AMW	REVISED -
	DRAWN - UKB	REVISED -
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	DATE - 10-9-17	FILE - 150615-SHT-500.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	126	126			
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	120	120			
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	80	80			
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1			
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1	1			
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,390		806		584
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	97		97		
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	305		305		
* 81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	8		8		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2,139	1,111	1,028		
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	355	355			
* 81400100	HANDHOLE	EACH	9		8		1
* 81400200	HEAVY-DUTY HANDHOLE	EACH	3		3		
* 81400300	DOUBLE HANDHOLE	EACH	4		4		
* 81603096	UNIT DUCT, 600V, 4-1C NO.8 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	5,987	5,987			

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
* 81603800	UNIT DUCT, 600V 8-1C NO.8 1/C NO.8 GROUND (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	90	90			
* 81702110	ELECTRIC CABLE IN CONDUIT 600V (XLP-TYPE USE) 1 C NO 10	FOOT	2,430	2,430			
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED 240VOLT 100AMP	EACH	1	1			
* 83008200	LIGHT POLE, ALUMINUM, 40 FT M.H. 6 FT MAST ARM	EACH	20	20			
* 83008500	LIGHT POLE, ALUMINUM, 40 FT M.H. 12 FT MAST ARM	EACH	1	1			
* 83600356	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8 5/8" X 6"	EACH	21	21			
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	21	21			
* 84200500	REMOVAL OF LIGHTING UNIT SALVAGE	EACH	13	13			
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	13	13			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3				3
* 85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	3		3		
* 85100800	PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	3		3		
* 85100901	PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	5		5		
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	2				2
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,050				3,050

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - AMW	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
	DATE - 10-9-17	FILE - 150615-SHT-500.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE:	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2582	14-00115-00-PV	COOK	199	10
			CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16							

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3 242		3,242		
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6 317		6,317		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2 790		2,790		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2 492		2,492		
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3 846		3,846		
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	234		234		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C	FOOT	2 952		2,952		
* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1		
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3		3		
* 87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT	EACH	1		1		
* 87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT	EACH	1		1		
* 87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT	EACH	1		1		
* 87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT	EACH	1		1		
* 87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT	EACH	2		2		
* 87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT	EACH	1		1		

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
URBAN	URBAN	URBAN	URBAN				
* 87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT	EACH	1		1		
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	36		36		
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8		8		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	106		106		
* 87900100	DRILL EXISTING FOUNDATION	EACH	3		3		
* 87900200	DRILL EXISTING HANDHOLE	EACH	13		12		1
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12		12		
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4		
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4		
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	8		8		
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	20		20		
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	20		20		
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	12		12		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	960		960		
* 88700200	LIGHT DETECTOR	EACH	4				4

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN	DESIGNED - AMW	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
	DATE - 10-9-17	FILE - 150615-SHT-500.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE:	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2582	14-00115-00-PV	COOK	199	11
			FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT C-91-060-16		
			CONTRACT NO. 61E29				



DESIGNED -	AMW	REVISID -	
DRAWN -	UKB	REVISID -	
CHECKED -	LDM	REVISID -	
DATE -	10-9-17	FILE -	150615-SHT-500.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:		STA.	TO STA.
SUMMARY OF QUANTITIES			
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
14-00115-00-PV		COOK	12
2582		CONTRACT NO.	61E29
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT C-91-060-16	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
88700300	LIGHT DETECTOR AMP/URBR	EACH	2	80% FED
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2	80% FED
89502200	MODIFY EXISTING CONTROLLER	EACH	2	80% FED
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	11,596	80% FED
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5,561	80% FED
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	80% FED
89502376	REBUILD EXISTING HANDHOLE	EACH	3	80% FED
89502380	REMOVE EXISTING HANDHOLE	EACH	12	80% FED
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	80% FED
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8	80% FED
A2000120	TREE ACER X FREEMAN IN AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE, 2-1/2" CALIPER, BALLED AND BURLAPPED)	EACH	7	80% FED
A2000220	TREE ACER X FREEMAN IN MARNO (MARNO FREEMAN MAPLE, 2-1/2" CALIPER, BALLED AND BURLAPPED)	EACH	7	80% FED
A2002860	TREE CELTIS LAEVI GATA (SUGAR HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	80% FED
A2004520	TREE GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	80% FED
A2004820	TREE GLEDITSIA TRIACANTHOS INERMS SKYLIN (SKYLIN THORNLESS COMMON HONEYLOCUST) 2 1/2" CALIPER BALLED AND BURLAPPED	EACH	2	80% FED

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINERS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
A2005020	TREE GYMNOCALDUS DIODUS (KENTUCKY COFFEE TREE) 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	80% FED
A2008517	TREE ULMUS JAPONICA X WILSONIANA MORTON (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	80% FED
B2008320	TREE SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILA) 2-1 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	80% FED
K1003680	MULCH	SQ YD	742	80% FED
Z004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT 3"	SQ YD	105	80% FED
Z004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	300	80% FED
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	80% FED
Z0022800	FENCE REMOVAL	FOOT	213	80% FED
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	240	80% FED
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	29	80% FED
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	10	80% FED
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2	80% FED
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	552	80% FED
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	546	80% FED
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	872	80% FED

SUMMARY OF QUANTITIES

80% FED	80% FED	80% FED	80% FED
20% VILL	20% VILL	20% VILL	20% VILL
INTERCONNECT	EVP	TRAFFIC SIGNALS	ROADWAY
0021	0021	0021	004
URBAN	URBAN	URBAN	URBAN

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
	URBAN	URBAN	URBAN	URBAN			
Z0062456	TEMPORARY PAVEMENT	SQ YD	1 845	1 845			
Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	897	897			
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3		3		
Z0075496	CONCRETE RETAINING WALL REMOVAL	FOOT	31	31			
X0321501	WEED BARRIER FABRIC	SQ YD	742	742			
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO 20 3/C	FOOT	835		835		
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	722		38		684
X0325608	GEO SYNTHETIC REINFORCEMENT	SQ YD	1 890	1 890			
X0325815	REMOVE EXISTING CABLE	FOOT	2 375	2 375			
X0326225	PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	6		6		
X0326671	CONCRETE SURFACE COLOR TREATMENT	SQ FT	503	503			
X0326885	VIDEO DETECTION SYSTEM	EACH	2		2		
X0327009	REMOVE SIGN (SPECIAL)	EACH	1	1			
X0327036	BIKE PATH REMOVAL	SQ YD	2 659	2 659			
X0327650	TEMPORARY DRAINAGE SYSTEM NO 1	LSUM	1	1			

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
	URBAN	URBAN	URBAN	URBAN			
X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	11		11		
X0327980	PAVEMENT MARKING REMOVAL WATER BLASTING	SQ FT	283	283			
X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	2		2		
X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT MEDIUM WATTAGE	EACH	29	29			
X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT 600V XLP-TYPE TC/2/C NO. 10 AND NO. 10 GROUND	FOOT	1 075	1 075			
X1400150	SERVICE INSTALLATION, GROUND MOUNTED METERED	EACH	2		2		
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	250	250			
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	500	500			
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	7	7			
X4023000	TEMPORARY ACCESS (ROAD)	EACH	9	9			
X4230800	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH, SPECIAL	SQ YD	428	428			
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH	SQ YD	1 560	1 560			
X5509800	ABANDON AND FILL EXISTING STORM SEWER	FOOT	296	296			
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	22	22			
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	2	2			

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN	DESIGNED - AMW	REVISED -
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	DATE - 10-9-17	FILE - 150615-SHT-S00.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE:	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	13
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
X8020094	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1			
X8026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	13	13			
X8026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1	1			
X8026054	SANITARY MANHOLES TO BE REMOVED	EACH	1	1			
X8026055	SANITARY MANHOLE, SPECIAL	EACH	2	2			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1			
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	34,877	34,877			
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	100	100			
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	400	400			
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	2	2			
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	36	36			
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2		2		
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62 5/125, MM12F SM24F	FOOT	3,050			3,050	
X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	6		6		
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	20		20		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL
				ROADWAY	TRAFFIC SIGNALS	EVP	INTERCONNECT
				0004	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
XX002948	TEMPORARY ACCESS WALK	EACH	15	15			
XX008910	PAVEMENT MARKING, SPECIAL	SQ FT	3,355	3,355			

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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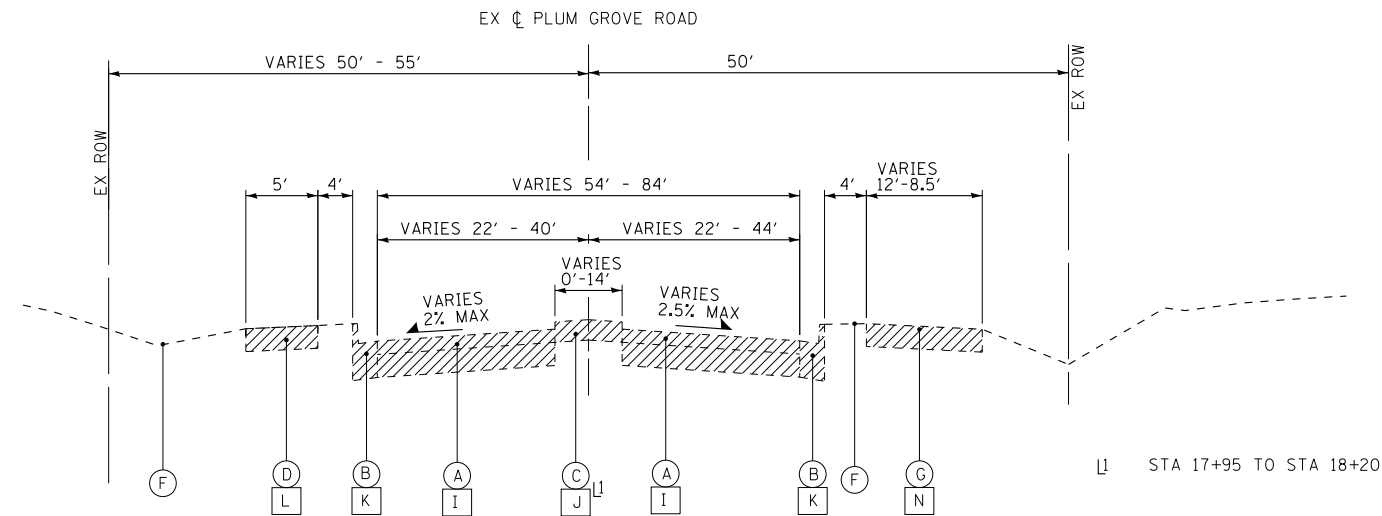
BAXTER & WOODMAN CONSULTANTS, INC.	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

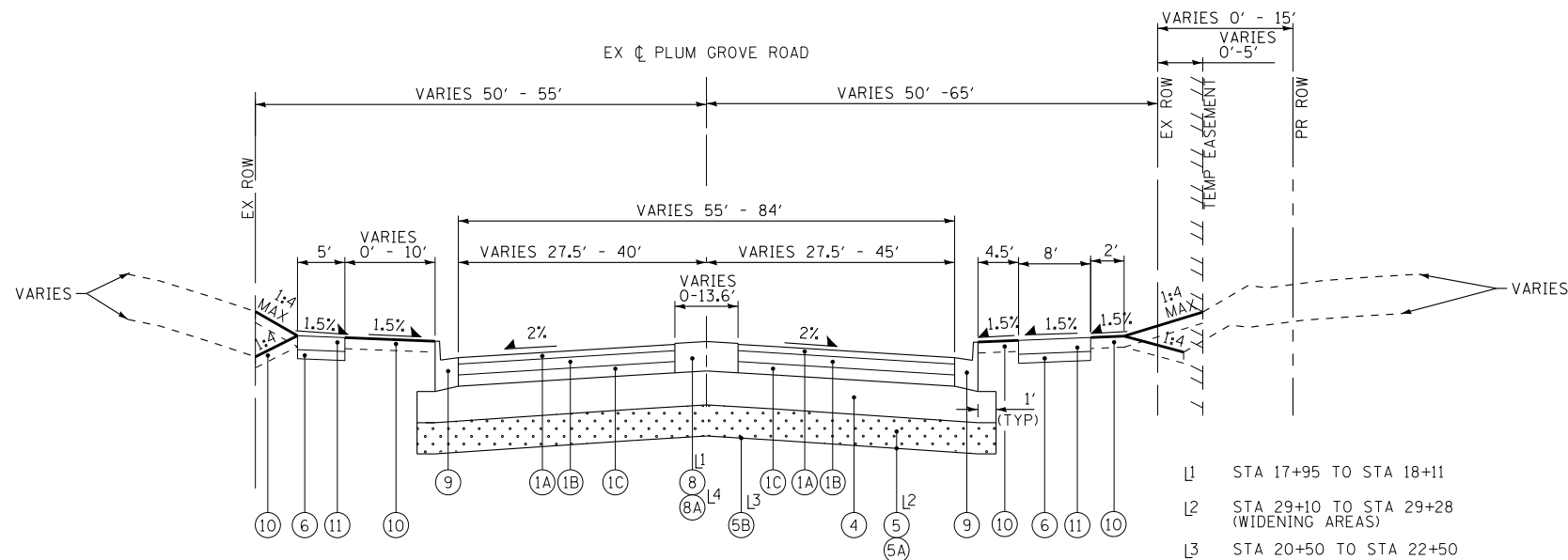
SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	14
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



EXISTING TYPICAL SECTION
PLUM GROVE ROAD
 STA 17+95 TO STA 29+28

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT (6-1/2" TO 16" +/-)
 - (B) COMBINATION CONCRETE CURB AND GUTTER
 - (C) CONCRETE MEDIAN
 - (D) CONCRETE SIDEWALK
 - (E) REMOVED
 - (F) EXISTING GROUND
 - (G) BIKE PATH
 - (H) PAVED PARKWAY
 - (I) PAVEMENT REMOVAL**
 - (J) MEDIAN REMOVAL
 - (K) COMBINATION CURB AND GUTTER REMOVAL
 - (L) SIDEWALK REMOVAL
 - (M) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - (N) BIKE PATH REMOVAL
 - (O) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
 - [Hatched Box] ITEM TO BE REMOVED



PROPOSED TYPICAL SECTION
PLUM GROVE ROAD
 STA 17+95 TO STA 29+28

- PROPOSED LEGEND**
- (1) HMA FULL DEPTH PAVEMENT - 10-1/4"
 - (1A) HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm) - 2"
 - (1B) HMA BINDER COURSE, IL-19.0, N70 - 2-1/4"
 - (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 6" (IN 2 LIFTS)
 - (2) HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm) - 1 1/2"
 - (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
 - (4) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SO YD)
 - (5) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)*
 - (5A) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION*
 - (5B) GEOSYNTHETIC REINFORCEMENT (AS DETERMINED BY THE ENGINEER)
 - (6) AGGREGATE BASE COURSE, TYPE B - 2"
 - (7) AGGREGATE BASE COURSE, TYPE B - 4"
 - (8) CORRUGATED MEDIAN
 - (8A) CONCRETE MEDIAN, TYPE SM-2.12
 - (9) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 - 10 1/2" FLAG DEPTH
 - (10) TOPSOIL FURNISH AND PLACE AND SODDING, SALT TOLERANT (SEE LANDSCAPING PLANS)
 - (11) PORTLAND CEMENT CONCRETE SIDEWALK - 5" (SLIP-FORMED WITH SAWCUT JOINTS WHEN GREATER THAN 7' WIDE)
 - (12) SEGMENTAL CONCRETE BLOCK WALL

- L1 STA 17+95 TO STA 18+11
- L2 STA 29+10 TO STA 29+28 (WIDENING AREAS)
- L3 STA 20+50 TO STA 22+50
- L4 LOCATED ALONG WOODFIELD ROAD SEE ROADWAY PLAN FOR LOCATION

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

**PAM AND POZ MATERIALS WERE FOUND WITHIN THE PROJECT LIMITS. SEE GEOTECHNICAL REPORT FOR EXACT LOCATIONS.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN
 Consulting Engineers

DESIGNED - AMW	REVISED -
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DATE - 10-9-17	FILE - I50615-SHT-TypSec.dgn

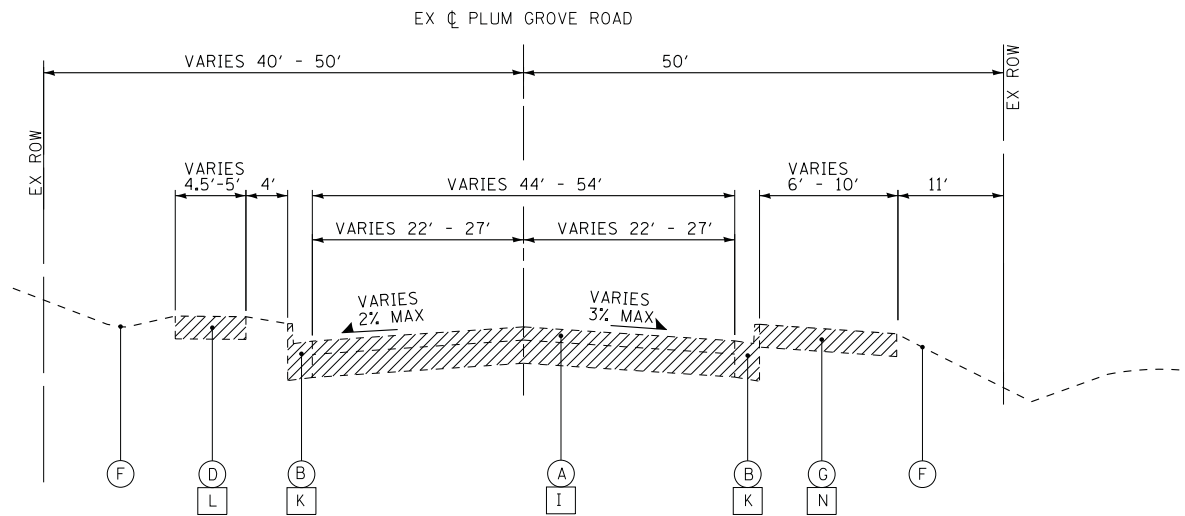
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE

STA. TO STA.

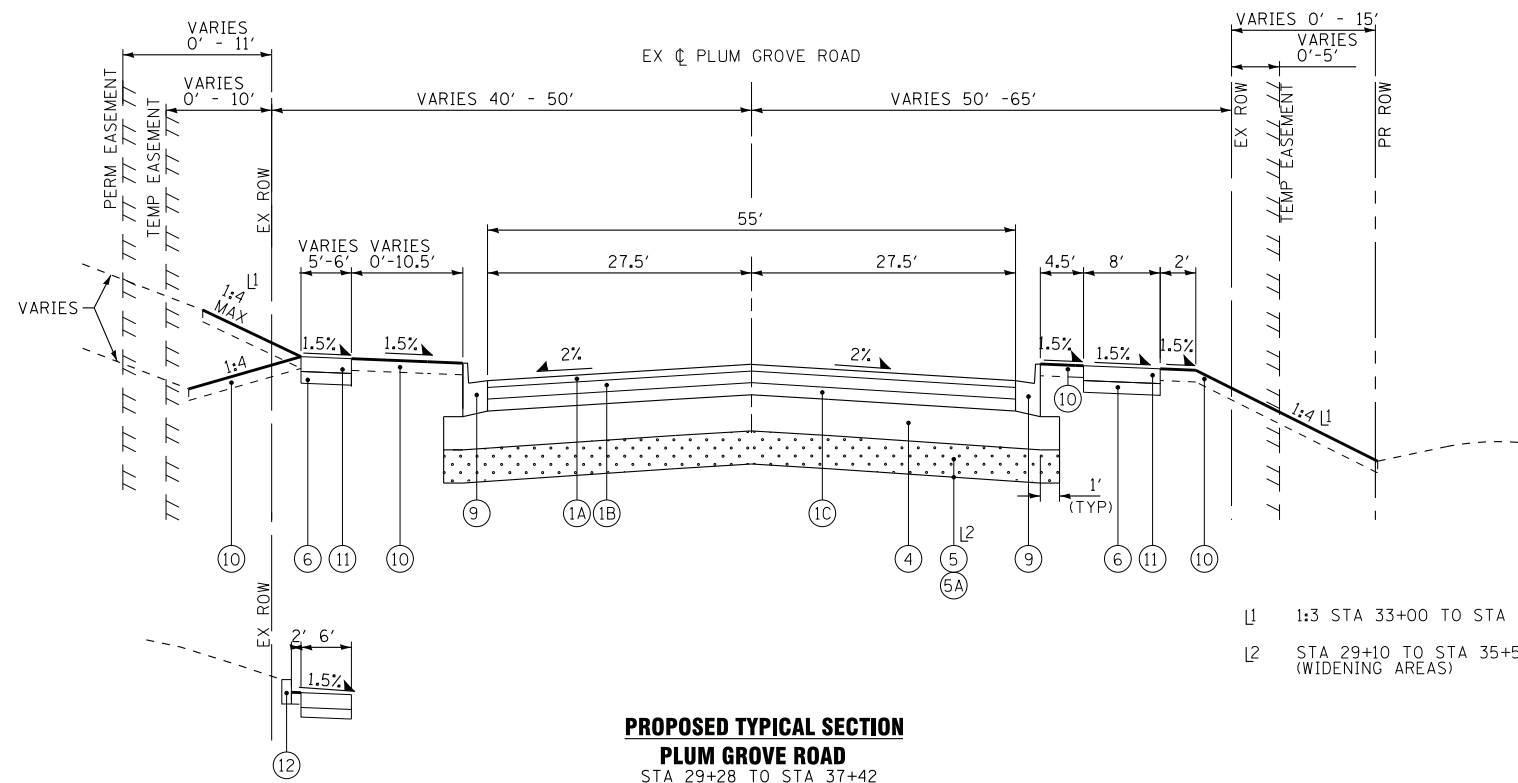
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	16
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



**EXISTING TYPICAL SECTION
PLUM GROVE ROAD**
STA 29+28 TO STA 37+42

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT (6-1/2" TO 16" +/-)
 - (B) COMBINATION CONCRETE CURB AND GUTTER
 - (C) CONCRETE MEDIAN
 - (D) CONCRETE SIDEWALK
 - (E) REMOVED
 - (F) EXISTING GROUND
 - (G) BIKE PATH
 - (H) PAVED PARKWAY
 - (I) PAVEMENT REMOVAL**
 - (J) MEDIAN REMOVAL
 - (K) COMBINATION CURB AND GUTTER REMOVAL
 - (L) SIDEWALK REMOVAL
 - (M) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - (N) BIKE PATH REMOVAL
 - (O) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
 - [Hatched Box] ITEM TO BE REMOVED

- PROPOSED LEGEND**
- (1) HMA FULL DEPTH PAVEMENT - 10-1/4"
 - (1A) HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm) - 2"
 - (1B) HMA BINDER COURSE, IL-19.0, N70 - 2-1/4"
 - (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 6" (IN 2 LIFTS)
 - (2) HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm) - 1 1/2"
 - (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
 - (4) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SO YD)
 - (5) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)*
 - (5A) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION*
 - (5B) GEOSYNTHETIC REINFORCEMENT (AS DETERMINED BY THE ENGINEER)
 - (6) AGGREGATE BASE COURSE, TYPE B - 2"
 - (7) AGGREGATE BASE COURSE, TYPE B - 4"
 - (8) CORRUGATED MEDIAN
 - (8A) CONCRETE MEDIAN, TYPE SM-2.12
 - (9) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 - 10 1/2" FLAG DEPTH
 - (10) TOPSOIL FURNISH AND PLACE AND SODDING, SALT TOLERANT (SEE LANDSCAPING PLANS)
 - (11) PORTLAND CEMENT CONCRETE SIDEWALK - 5" (SLIP-FORMED WITH SAWCUT JOINTS WHEN GREATER THAN 7' WIDE)
 - (12) SEGMENTAL CONCRETE BLOCK WALL



**PROPOSED TYPICAL SECTION
PLUM GROVE ROAD**
STA 29+28 TO STA 37+42

- L1 1:3 STA 33+00 TO STA 34+00
- L2 STA 29+10 TO STA 35+50 (WIDENING AREAS)

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

**PAM AND POZ MATERIALS WERE FOUND WITHIN THE PROJECT LIMITS. SEE GEOTECHNICAL REPORT FOR EXACT LOCATIONS.

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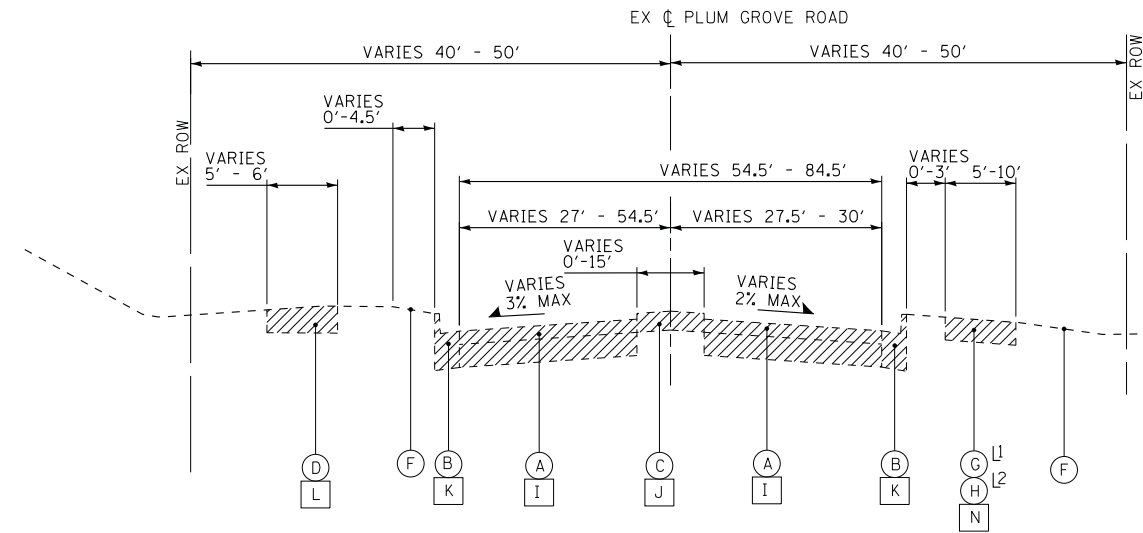
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DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	17
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

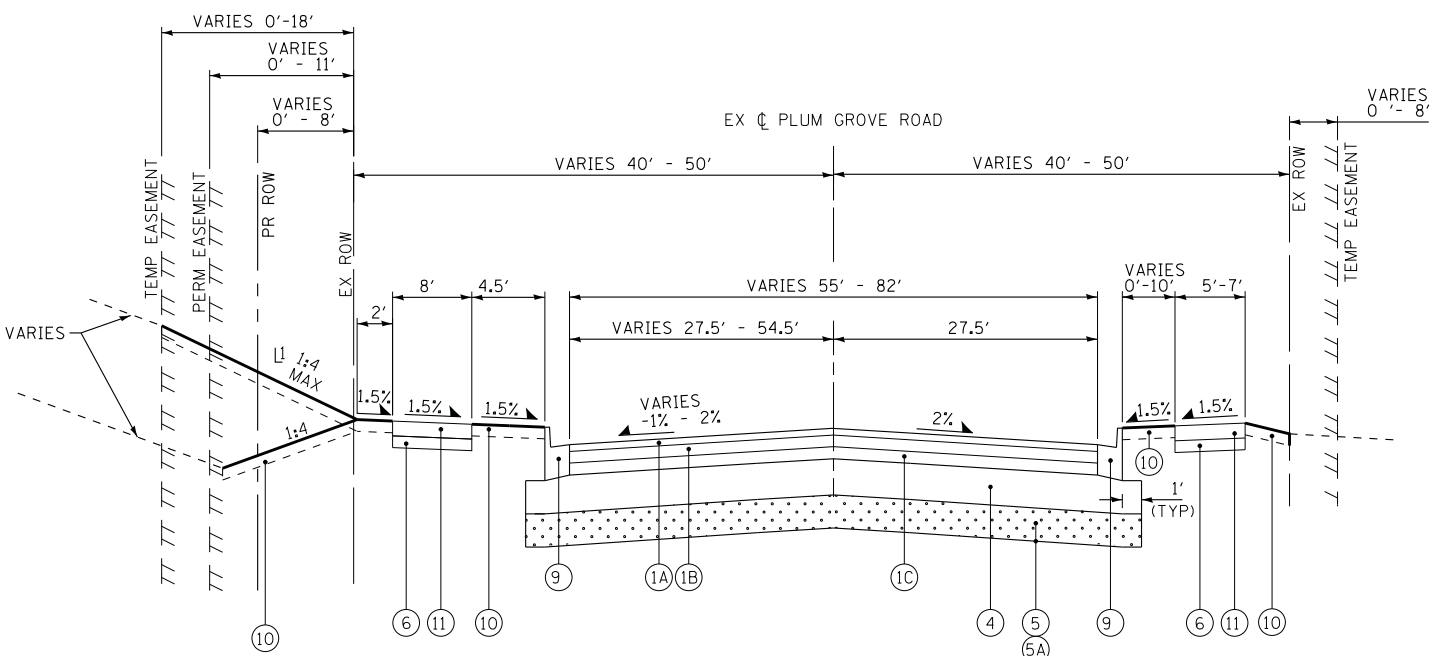


**EXISTING TYPICAL SECTION
PLUM GROVE ROAD**
STA 37+42 TO STA 44+15

L1 STA 37+42 TO STA 40+82
L2 STA 40+82 TO STA 44+09

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT (6-1/2" TO 16" +/-)
 - (B) COMBINATION CONCRETE CURB AND GUTTER
 - (C) CONCRETE MEDIAN
 - (D) CONCRETE SIDEWALK
 - (E) REMOVED
 - (F) EXISTING GROUND
 - (G) BIKE PATH
 - (H) PAVED PARKWAY
 - (I) PAVEMENT REMOVAL**
 - (J) MEDIAN REMOVAL
 - (K) COMBINATION CURB AND GUTTER REMOVAL
 - (L) SIDEWALK REMOVAL
 - (M) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - (N) BIKE PATH REMOVAL
 - (O) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
 - (Hatched) ITEM TO BE REMOVED

- PROPOSED LEGEND**
- (1) HMA FULL DEPTH PAVEMENT - 10-1/4"
 - (1A) HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm) - 2"
 - (1B) HMA BINDER COURSE, IL-19.0, N70 - 2-1/4"
 - (1C) HMA ASPHALT BASE COURSE (HMA BINDER IL-19mm)- 6" (IN 2 LIFTS)
 - (2) HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm) - 1 1/2"
 - (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50- 3/4"
 - (4) AGGREGATE SUBGRADE IMPROVEMENT - 12" (SO YD)
 - (5) AGGREGATE SUBGRADE IMPROVEMENT (UNDERCUTS BY CU YD)*
 - (5A) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION*
 - (5B) GEOSYNTHETIC REINFORCEMENT (AS DETERMINED BY THE ENGINEER)
 - (6) AGGREGATE BASE COURSE, TYPE B - 2"
 - (7) AGGREGATE BASE COURSE, TYPE B - 4"
 - (8) CORRUGATED MEDIAN
 - (8A) CONCRETE MEDIAN, TYPE SM-2.12
 - (9) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 - 10 1/2" FLAG DEPTH
 - (10) TOPSOIL FURNISH AND PLACE AND SODDING, SALT TOLERANT (SEE LANDSCAPING PLANS)
 - (11) PORTLAND CEMENT CONCRETE SIDEWALK - 5" (SLIP-FORMED WITH SAWCUT JOINTS WHEN GREATER THAN 7' WIDE)
 - (12) SEGMENTAL CONCRETE BLOCK WALL



**PROPOSED TYPICAL SECTION
PLUM GROVE ROAD**
STA 37+42 TO STA 44+15

L1 1:3 STA 40+00 TO STA 41+50

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

** PAM AND POZ MATERIALS WERE FOUND WITHIN THE PROJECT LIMITS. SEE GEOTECHNICAL REPORT FOR EXACT LOCATIONS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE	STA. TO STA.	F.A.U. RTE. 2582	SECTION 14-00115-00-PV	COUNTY COOK	TOTAL SHEETS 199	SHEET NO. 18
		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT C-91-060-16		

CONTRACT NO. 61E29

DRIVEWAY SCHEDULE											
			44000200	Z0004510	X4230800	44000500	60603800	35101582	35102200	X4022000	
			DRIVEWAY PAVEMENT REMOVAL	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CURB AND GUTTER, TYPE B-6.12	AGGREGATE BASE COURSE, TYPE B, 2"	AGGREGATE BASE COURSE, TYPE B 10"	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	PVC CASING PIPE, 3"
STATION	OFFSET	TYPE	SQ YD	SQ YD	SQ YD	FOOT	FOOT	SQ YD	SQ YD	EACH	FOOT
14+20	LT	CE	166		122	44	44	122		1	80
14+20	RT	CE	109		88	71	71	88		1	50
15+20	LT	CE	49		5	30	30	5		1	50
16+00	RT	CE	42		31	36	36	31		1	35
16+50	LT	CE	112		79	70	70	79		1	50
40+70	RT	CE	61		35	52	52	35		1	50
42+70	LT	CE	212	105	68	81	147	68	105	1	40
TOTALS			751	105	428	384	450	428	105	7	355

EARTHWORK											
	TOPSOIL										
	A	B	C	D= A+B	E	F	G	H	I= (E-F+G+H)* 0.85	J	K= I-J
LOCATION	UNDERCUT	TOPSOIL EXCAVATION	NON-SPECIAL WASTE DISPOSAL	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	NON-SPECIAL WASTE DISPOSAL	STRUCTURE EXCAVATION	UTILITY EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
PLUM GROVE ROAD	2,106	971	139	3,077	8,373	1,426	222	4,220	9,681	1,020	8,661
TOTAL	2,106	971	139	3,077	8,373	1,426	222	4,220	9,681	1,020	8,661

Column A - Additional cut material that is determined to be either unstable or unsuitable for use in embankment.
Column B - Topsoil removal quantity from cross sections.
Column C - Volume of non-special waste identified within the topsoil. See special provision for REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES for locations.
Column D - Cut material that is determined to be either unstable or unsuitable for use in embankment.
Column E - Cut quantity from cross sections.
Column F - Volume of non-special waste identified within the cut quantities from the cross sections. See special provision for REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES for locations.
Column G - Cut quantities required for the existing structure removal and proposed structure installation.
Column H - Cut quantities required for the installation of utilities.
Column I - Cut quantities that are acceptable for use in embankment multiplied by a shrinkage factor.
Column J - Fill quantities from cross sections.
Column K - Off-site material needed or material waste.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF MATERIALS

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	19
CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16	

COMBINATION CONCRETE CURB AND GUTTER SCHEDULE					
			44000500 COMBINATION CURB AND GUTTER REMOVAL FOOT	60603800 COMBINATION CURB AND GUTTER, TYPE B-6.12 FOOT	60605000 COMBINATION CURB AND GUTTER, TYPE B-6.24 FOOT
STA.	TO STA.	OFFSET			
16+13	17+09	LT	96		96
17+87	18+37	RT	98	23	71
17+94	22+09	LT	417		417
19+01	19+50	RT	107	22	80
19+50	28+74	RT	925		925
22+09	22+39	LT	46	29	24
22+77	23+02	LT	45	24	24
23+02	28+72	LT	574		574
28+72	28+94	LT	52	29	20
28+74	29+02	RT	58	23	30
29+37	29+63	LT	58	28	24
29+63	36+51	LT	692		692
29+47	29+77	RT	51	24	24
29+77	36+60	RT	823	110	713
36+51	36+81	LT	41	20	21
36+60	37+17	RT	201	155	32
37+28	37+72	RT	160	120	36
37+31	37+70	LT	44	22	22
37+70	44+38	RT	727		727
37+44	44+18	LT	712		712
45+41	45+63	LT	41		41
45+58	45+71	RT	39		39
TOTALS			6,007	629	5,344

SIDEWALK AND MULTI-USE PATH SCHEDULE								
			42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SQ FT	42400410 PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH SQ FT	44000600 SIDEWALK REMOVAL SQ FT	X0327036 BIKE PATH REMOVAL SQ YD	42400800 DETECTABLE WARNINGS SQ FT	35101582 AGGREGATE BASE COURSE, TYPE B 2" SQ YD
STA.	TO STA.	OFFSET						
12+29	12+39	LT	138		64		30	16
12+60	22+34	LT	5,937	1,092	2,127	391	83	781
12+65	18+32	RT	2,405	294	59	58	65	300
19+02	29+01	RT	8,406		578	899	44	934
22+77	28+94	LT	3,151		3,092		24	351
29+37	36+72	LT	4,184		3,605		37	465
29+53	36+86	RT	6,143		432	687	56	683
37+33	44+38	RT	4,745	238	331	624	56	554
37+44	44+18	LT	5,124	271	3,334		50	600
45+41	45+63	LT	468		311		29	52
45+58	45+71	RT	381		174		31	43
TOTALS			41,082	1,895	14,107	2,659	505	4,779

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF MATERIALS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	20
CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16	

EXISTING TREE SCHEDULE

STATION	SIDE	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	20101000 TEMPORARY FENCE FOOT	20101100 TREE TRUNK PROTECTION EACH	20101200 TREE ROOT PRUNING EACH	20101300 TREE PRUNING (1 TO 10 INCH DIAMETER) EACH	20101350 TREE PRUNING (OVER 10 INCH DIAMETER) EACH
13+65	RT			20			1	
15+53	LT			20				1
15+65	RT			20			1	
15+67	LT							1
17+79	RT			20				1
20+75	LT	12						
21+17	LT	15						
21+57	LT	12						
21+98	LT	12						
24+07	LT	8						
24+46	LT	6						
25+26	LT		21					
25+65	LT		21					
26+06	LT		18					
26+85	LT		18					
27+25	LT	15						
27+65	LT	12						
28+06	LT	12						
28+46	LT	12						
28+81	LT	12						
29+71	LT				1	1		1
29+76	LT	15						
29+94	LT				1	1	1	
30+20	LT	12						
30+24	LT			20			1	
30+49	RT			20				1
30+54	LT		21					
31+33	LT		24					
31+74	LT		21					
32+52	LT	14						
32+61	LT	12						
32+65	RT				1		1	
32+80	LT		16					
32+85	RT				1		1	
36+57	LT			20				1
36+86	RT	12						
36+90	RT	10						
37+33	RT			20		1	1	
39+80	LT	10						
40+05	LT	8						
40+98	LT	12						
41+07	LT	12						
41+18	LT	12						
41+31	LT	12						
43+29	LT	8						
101+15	LT			20			1	
101+44	LT			20			1	
120+94	LT			20			1	
121+41	LT			20			1	
121+45	RT			20				1
121+85	LT			20			1	
122+00	RT			20				1
122+22	LT			20			1	
122+59	LT			20			1	
TOTALS		277	160	340	4	3	14	8

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF MATERIALS

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	21
CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16	

PROPOSED TREE SCHEDULE

			A2000120	A2000220	A2002860	A2004520	A2004820	A2005020	A2008517	B2006320
			TREE, ACER X FREEMANII AUTJMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, CELTIS LAEVIGATA (SUGAR HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, ULMUS JAPONICA X WILSONIANA MORTON (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED
STATION	O/S	SIDE	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
19+80	49	LT	X							
20+20	37	LT	X							
21+30	37	LT	X							
21+75	37	LT	X							
23+65	49	LT		X						
24+05	49	LT		X						
24+45	49	LT		X						
24+85	49	LT		X						
25+25	35	LT			X					
25+65	35	LT			X					
26+05	35	LT			X					
26+45	35	LT				X				
26+85	35	LT				X				
27+25	35	LT				X				
27+65	35	LT					X			
28+20	35	LT					X			
30+15	42	LT						X		
30+65	49	LT						X		
31+05	46	LT							X	
31+45	44	LT							X	
33+20	38	LT	X							
33+60	38	LT	X							
34+20	38	LT	X							
34+45	38	LT		X						
35+10	38	LT		X						
35+55	38	LT		X						
36+00	38	LT			X					
38+15	50	LT			X					
38+55	45	LT			X					
14+80	74	RT								X
15+10	74	RT								X
15+40	60	RT								X
17+20	60	RT								X
17+50	+60	RT								X
TOTALS			7	7	6	3	2	2	2	5

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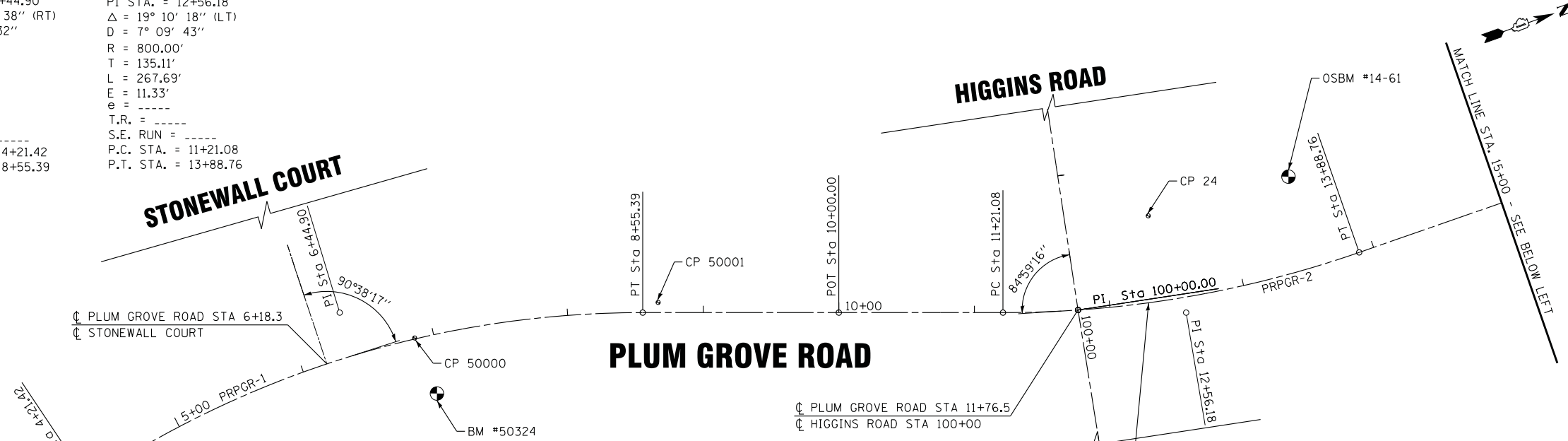
SCHEDULES OF MATERIALS

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

PROP. CURVE PRPGR-1
 PI STA. = 6+44.90
 $\Delta = 33^\circ 44' 38''$ (RT)
 $D = 7^\circ 46' 32''$
 $R = 736.86'$
 $T = 223.48'$
 $L = 433.97'$
 $E = 33.14'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 4+21.42$
 $P.T. STA. = 8+55.39$

PROP. CURVE PRPGR-2
 PI STA. = 12+56.18
 $\Delta = 19^\circ 10' 18''$ (LT)
 $D = 7^\circ 09' 43''$
 $R = 800.00'$
 $T = 135.11'$
 $L = 267.69'$
 $E = 11.33'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 11+21.08$
 $P.T. STA. = 13+88.76$



Chain PRPGR contains:
 PG01 CUR PRPGR-1 PG02 CUR PRPGR-2 PG03 PG04

Beginning chain PRPGR description

Point PG01 N 1,956,739.1490 E 1,058,349.8718 Sta 2+60.00
 Course from PG01 to PC PRPGR-1 N 14° 07' 49.76" W Dist 161.4232

Curve Data
 Curve PRPGR-1
 P.I. Station 6+44.90 N 1,957,112.4070 E 1,058,255.9047
 $\Delta = 33^\circ 44' 37.99''$ (RT)
 $D = 7^\circ 46' 32.40''$
 Tangent = 223.4811
 Length = 433.9677
 Radius = 736.8600
 External = 33.1442
 Long Chord = 427.7231
 Mid. Ord. = 31.7175
 P.C. Station 4+21.42 N 1,956,895.6879 E 1,058,310.4634
 P.T. Station 8+55.39 N 1,957,322.9215 E 1,058,330.9210
 C.C. N 1,957,075.5783 E 1,059,025.0277
 Back = N 14° 07' 49.76" W
 Ahead = N 19° 36' 48.23" E
 Chord Bear = N 2° 44' 29.23" E

Course from PT PRPGR-1 to PG02 N 19° 36' 48.23" E Dist 144.6091

Point PG02 N 1,957,459.1402 E 1,058,379.4622 Sta 10+00.00
 Course from PG02 to PC PRPGR-2 N 19° 36' 48.23" E Dist 121.0756

Curve Data
 Curve PRPGR-2
 P.I. Station 12+56.18 N 1,957,700.4575 E 1,058,465.4550
 $\Delta = 19^\circ 10' 17.63''$ (LT)
 $D = 7^\circ 09' 43.10''$
 Tangent = 135.1057
 Length = 267.6855
 Radius = 800.0000
 External = 11.3283
 Long Chord = 266.4385
 Mid. Ord. = 11.1701
 P.C. Station 11+21.08 N 1,957,573.1908 E 1,058,420.1039
 P.T. Station 13+88.76 N 1,957,835.5592 E 1,058,466.4969
 C.C. N 1,957,841.7283 E 1,057,666.5207
 Back = N 19° 36' 48.23" E
 Ahead = N 0° 26' 30.59" E
 Chord Bear = N 10° 01' 39.41" E

Course from PT PRPGR-2 to PG03 N 0° 26' 30.59" E Dist 2,650.1366

Point PG03 N 1,960,485.6170 E 1,058,486.9330 Sta 40+38.90

Course from PG03 to PG04 N 0° 22' 36.78" E Dist 4,416.7801

Point PG04 N 1,964,902.3015 E 1,058,515.9857 Sta 84+55.68

Ending chain PRPGR description

Chain PRWOOD contains:
 WD01 CUR PRWOOD-1 WD02

Beginning chain PRWOOD description

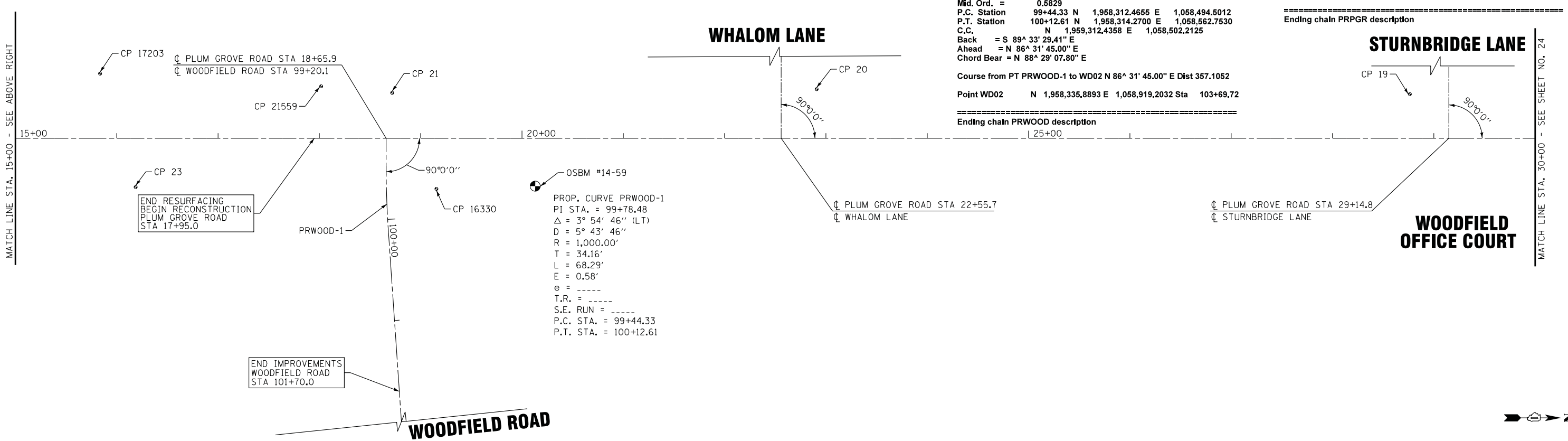
Point WD01 N 1,958,312.6531 E 1,058,470.1760 Sta 99+20.00
 Course from WD01 to PC PRWOOD-1 S 89° 33' 29.41" E Dist 24.3259

Curve Data
 Curve PRWOOD-1
 P.I. Station 99+78.48 N 1,958,312.2021 E 1,058,528.6579
 $\Delta = 3^\circ 54' 45.59''$ (LT)
 $D = 5^\circ 43' 46.48''$
 Tangent = 34.1577
 Length = 68.2889
 Radius = 1,000.0000
 External = 0.5832
 Long Chord = 68.2756
 Mid. Ord. = 0.5829
 P.C. Station 99+44.33 N 1,958,312.4655 E 1,058,494.5012
 P.T. Station 100+12.61 N 1,958,314.2700 E 1,058,562.7530
 C.C. N 1,959,312.4358 E 1,058,502.2125
 Back = S 89° 33' 29.41" E
 Ahead = N 86° 31' 45.00" E
 Chord Bear = N 88° 29' 07.80" E

Course from PT PRWOOD-1 to WD02 N 86° 31' 45.00" E Dist 357.1052

Point WD02 N 1,958,335.8893 E 1,058,919.2032 Sta 103+69.72

Ending chain PRWOOD description



PROP. CURVE PRWOOD-1
 PI STA. = 99+78.48
 $\Delta = 3^\circ 54' 46''$ (LT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 34.16'$
 $L = 68.29'$
 $E = 0.58'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 99+44.33$
 $P.T. STA. = 100+12.61$

END RESURFACING
 BEGIN RECONSTRUCTION
 PLUM GROVE ROAD
 STA 17+95.0

END IMPROVEMENTS
 WOODFIELD ROAD
 STA 101+70.0

BEGIN RESURFACING
 PLUM GROVE ROAD
 STA 12+28.9

MATCH LINE STA. 15+00 - SEE ABOVE RIGHT

MATCH LINE STA. 30+00 - SEE SHEET NO. 24

	DESIGNED - DJS	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
	DATE - 10-9-17	FILE - I50615-SHT-AlignTies1.dgn

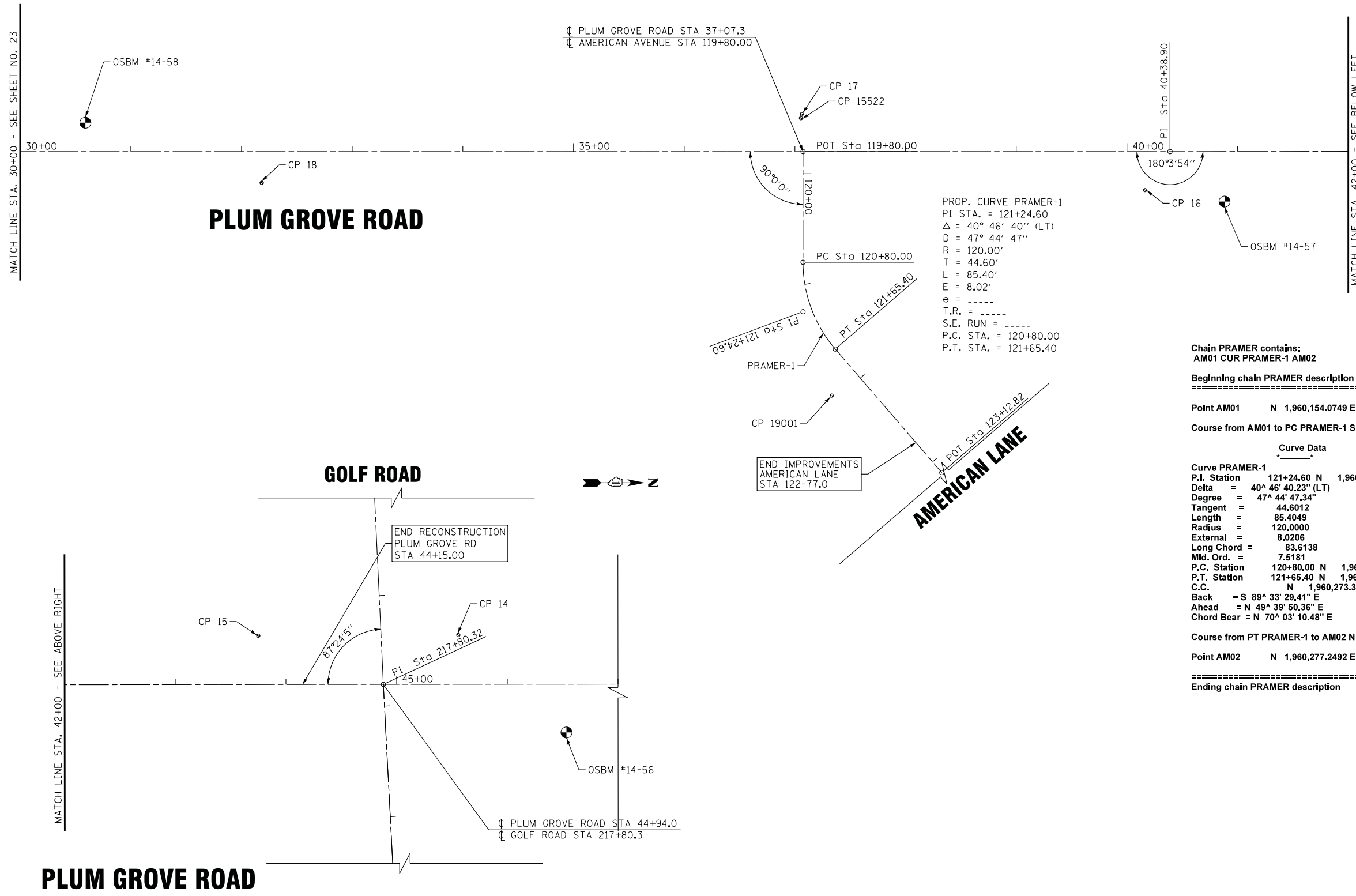
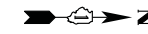
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES
 PLUM GROVE ROAD

SCALE: 1"=50' STA. 13+50 TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	23
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00121 - EXPIRES 4/30/2019 5/21/2018 8:54:46 AM
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PROP. CURVE PRAMER-1
 PI STA. = 121+24.60
 Δ = 40° 46' 40" (LT)
 D = 47° 44' 47"
 R = 120.00'
 T = 44.60'
 L = 85.40'
 E = 8.02'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 120+80.00
 P.T. STA. = 121+65.40

Chain PRAMER contains:
 AM01 CUR PRAMER-1 AM02

Beginning chain PRAMER description

Point AM01 N 1,960,154.0749 E 1,058,484.3763 Sta 119+80.00

Course from AM01 to PC PRAMER-1 S 89° 33' 29.41" E Dist 100.0000

Curve Data

Curve PRAMER-1			
P.I. Station	121+24.60 N	1,960,152.9598 E	1,058,628.9732
Delta	= 40° 46' 40.23" (LT)		
Degree	= 47° 44' 47.34"		
Tangent	= 44.6012		
Length	= 85.4049		
Radius	= 120.0000		
External	= 8.0206		
Long Chord	= 83.6138		
Mid. Ord.	= 7.5181		
P.C. Station	120+80.00 N	1,960,153.3038 E	1,058,584.3733
P.T. Station	121+65.40 N	1,960,181.8288 E	1,058,662.9710
C.C.	N 1,960,273.3002 E 1,058,585.2987		
Back	= S 89° 33' 29.41" E		
Ahead	= N 49° 39' 50.36" E		
Chord Bear	= N 70° 03' 10.48" E		

Course from PT PRAMER-1 to AM02 N 49° 39' 50.36" E Dist 147.4200

Point AM02 N 1,960,277.2492 E 1,058,775.3436 Sta 123+12.82

Ending chain PRAMER description

MATCH LINE STA. 30+00 - SEE SHEET NO. 23

MATCH LINE STA. 42+00 - SEE BELOW LEFT

MATCH LINE STA. 42+00 - SEE ABOVE RIGHT

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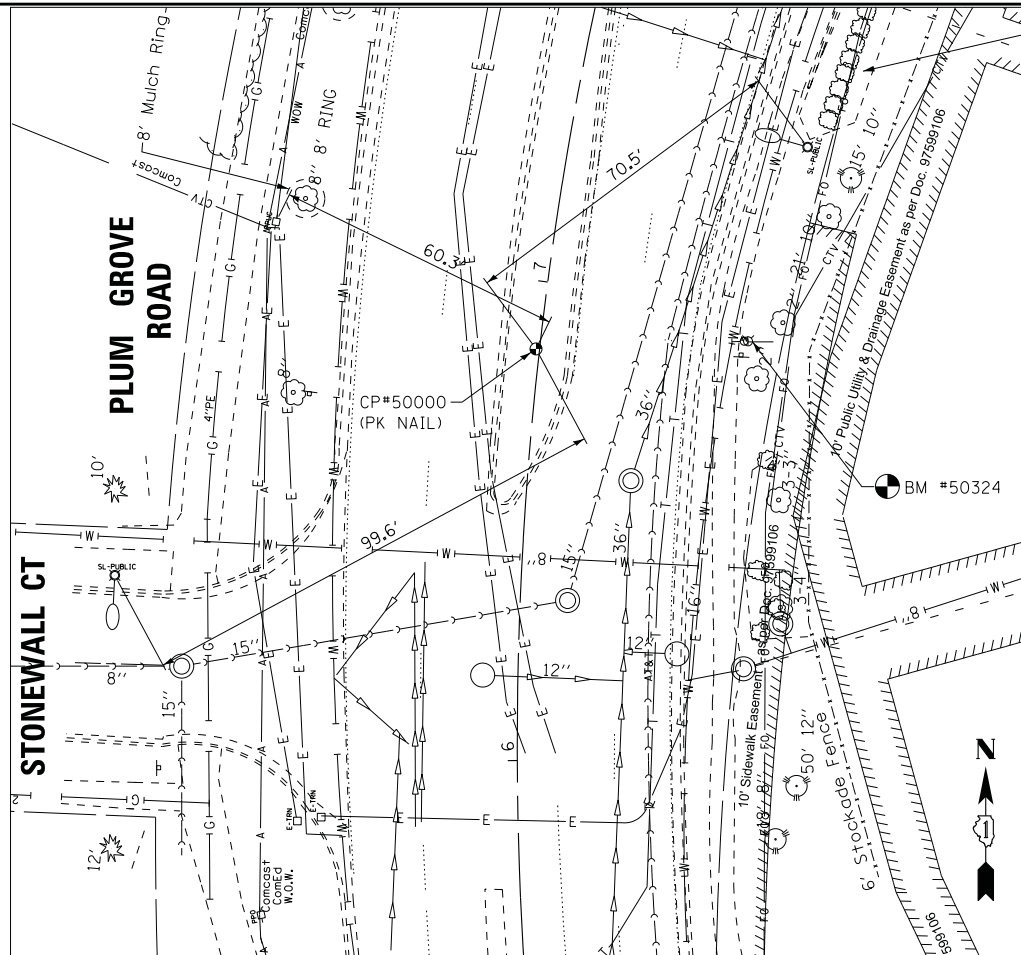
BAXTER & WOODMAN Consulting Engineers	DESIGNED - DJS	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
	DATE - 10-9-17	FILE - 150615-SHT-AlignTies2.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

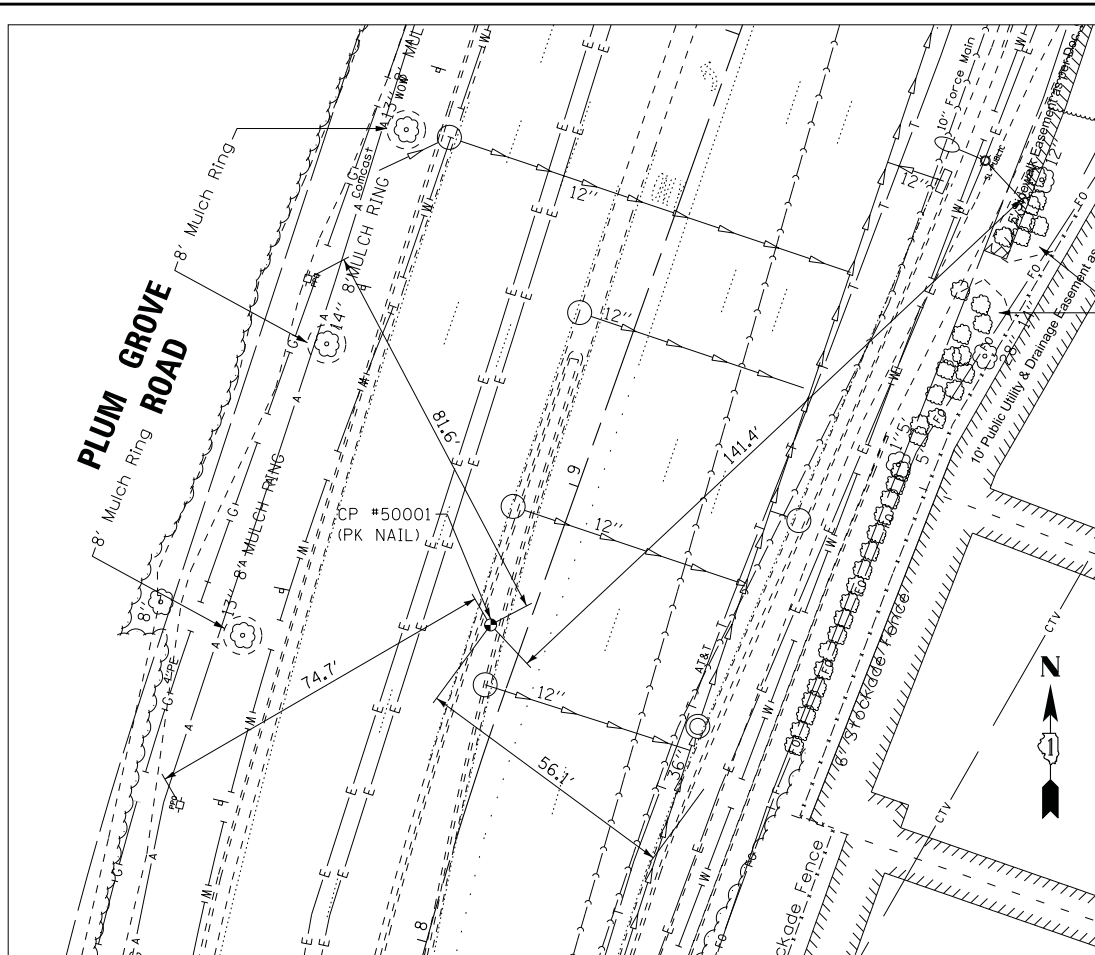
**ALIGNMENT AND TIES
 PLUM GROVE ROAD AND AMERICAN LANE**

SCALE: 1"=50' STA. 30+00 TO STA. 47+00

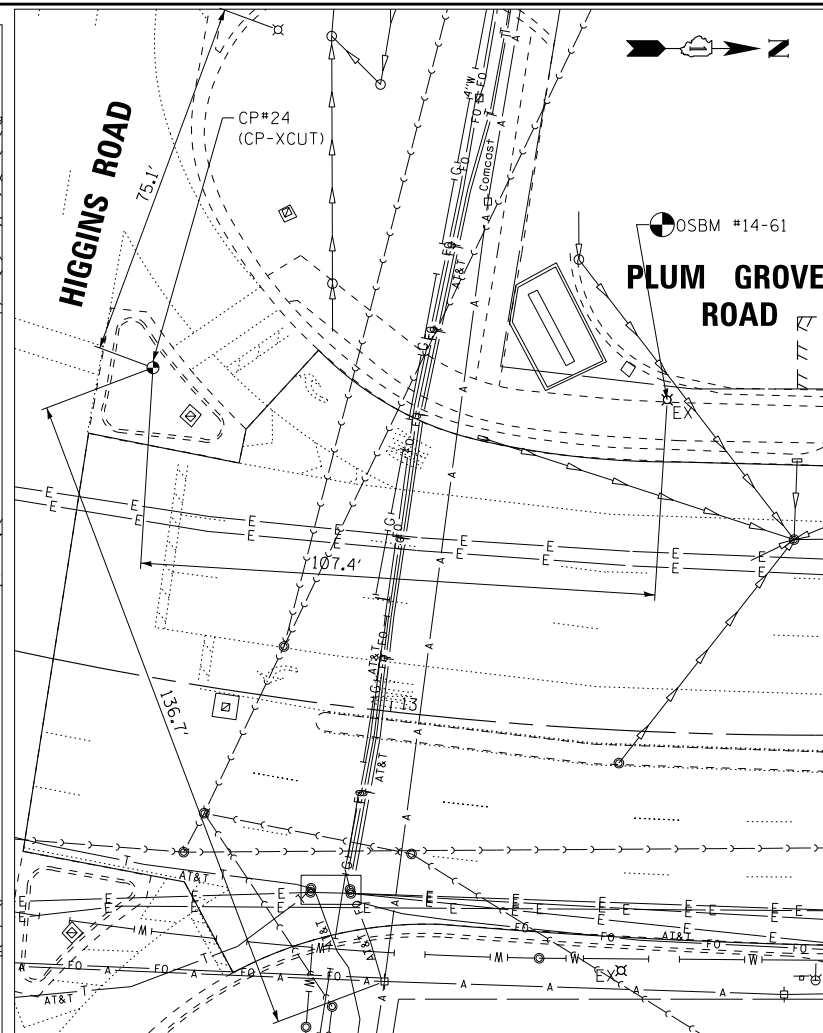
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	24
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



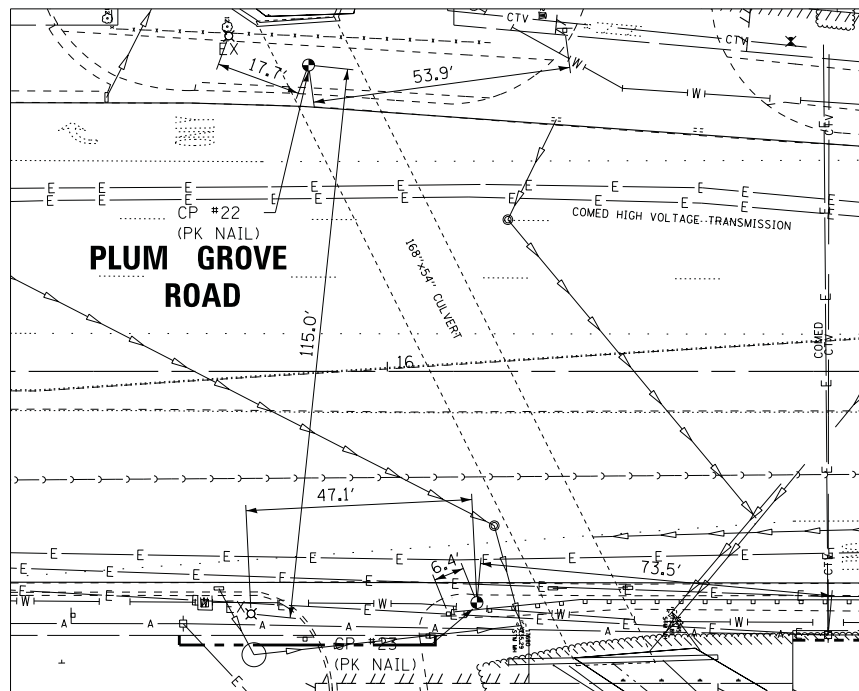
Point	North	East	Station	Elevation
50000	1,957,158.2040	1,058,292.0770	6.85+87	746.4500
Data Set : DATA2				
Geometry : POINT Zone : 1 Attribute: SPOT				
Feature : CP				
Description : PK NORTH CP				



Point	North	East	Station	Elevation
50001	1,957,336.1400	1,058,327.6850	8+66.76	746.2290
Data Set : DATA2				
Geometry : POINT Zone : 1 Attribute: SPOT				
Feature : CP				
Description : PK SOUTH CP				

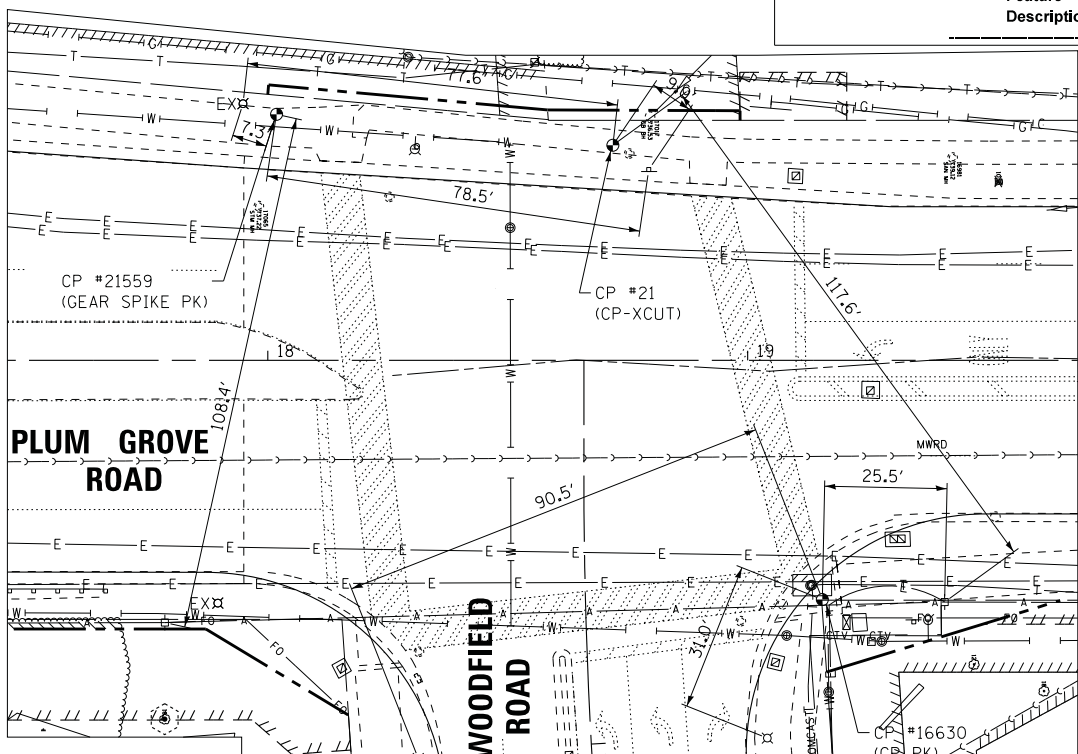


Point	North	East	Station	Elevation
24	1,957,698.0710	1,058,388.8710	12+37.89	741.2330
Data Set : 140013A				
Geometry : POINT Zone : 9 Attribute: NOTINCLUDED				
Feature : 959				
Description : CP-XCUT				



Point	North	East	Station	Elevation
22	1,958,030.8620	1,058,404.1740	15+83.58	736.1790
Data Set : 140013A				
Geometry : POINT Zone : 9 Attribute: NOTINCLUDED				
Feature : 956				
Description : MAGNAIL CP-PK				

Point	North	East	Station	Elevation
23	1,958,065.0950	1,058,516.4270	16+18.68	735.6870
Data Set : 140013A				
Geometry : POINT Zone : 9 Attribute: NOTINCLUDED				
Feature : 956				
Description : MAG SPIKE CP-PK				



Point	North	East	Station	Elevation
21	1,958,319.0330	1,058,425.4080	18+71.90	738.0620
Data Set : 140013A				
Geometry : POINT Zone : 9 Attribute: NOTINCLUDED				
Feature : 959				
Description : CP-XCUT				

Point	North	East	Station	Elevation
21559	1,958,248.9621	1,058,418.4281	18+01.78	737.6456
Data Set : 40013PUT				
Geometry : POINT Zone : 9 Attribute: NOTINCLUDED				
Feature : 956				
Description : GEAR SPIKE CP-PK				

Point	North	East	Station	Elevation
16630	1,958,361.9607	1,058,520.4166	19+15.56	738.3531
Data Set : 140013H				
Geometry : POINT Zone : 8 Attribute: NOTINCLUDED				
Feature : 956				
Description : CP-PK				

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Consulting Engineers

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DATE -	10-9-17	FILE -	150615-SHT-AlignTies3.dgn

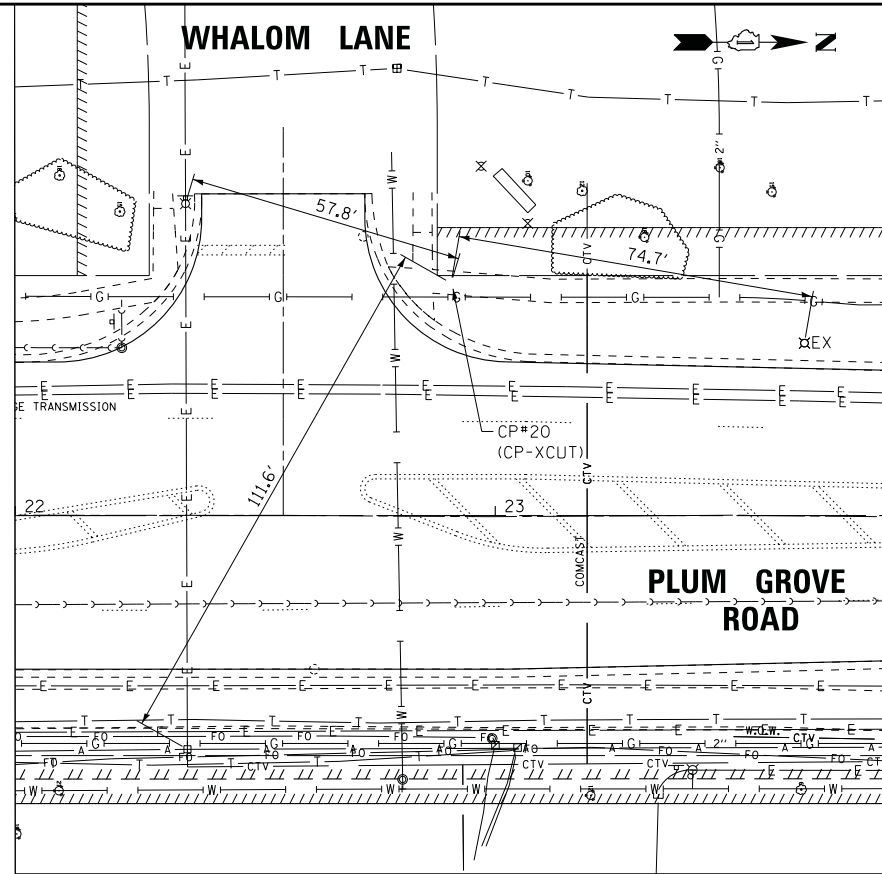
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES

SCALE: 1" = 20' STA. TO STA.

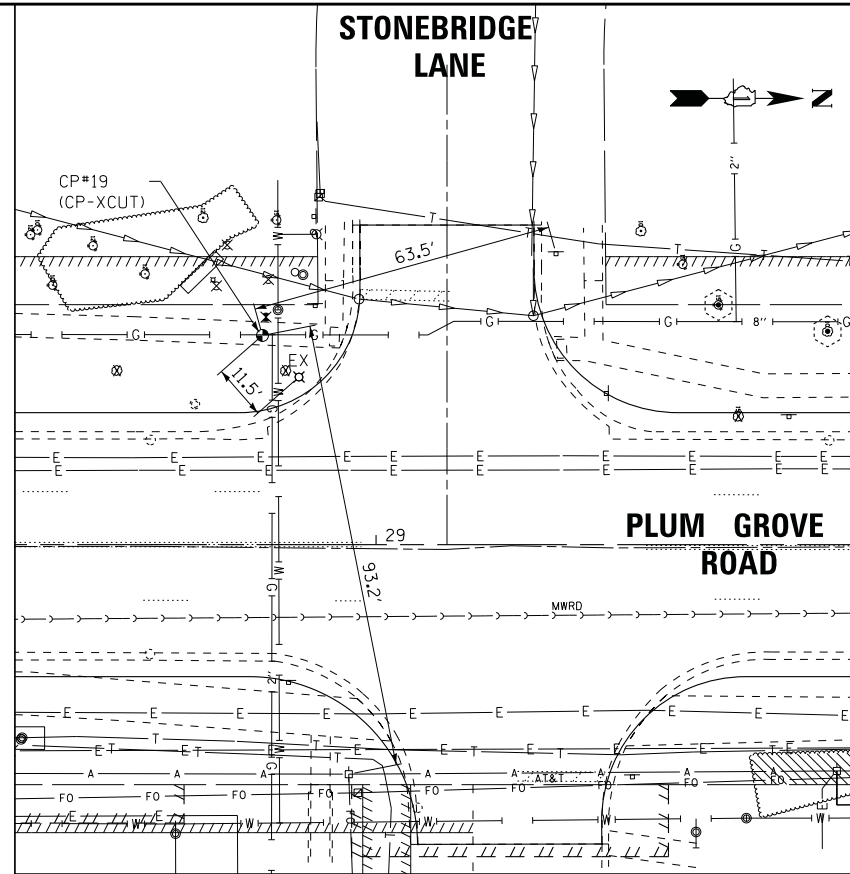
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2582	14-00115-00-PV	COOK	199	25
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

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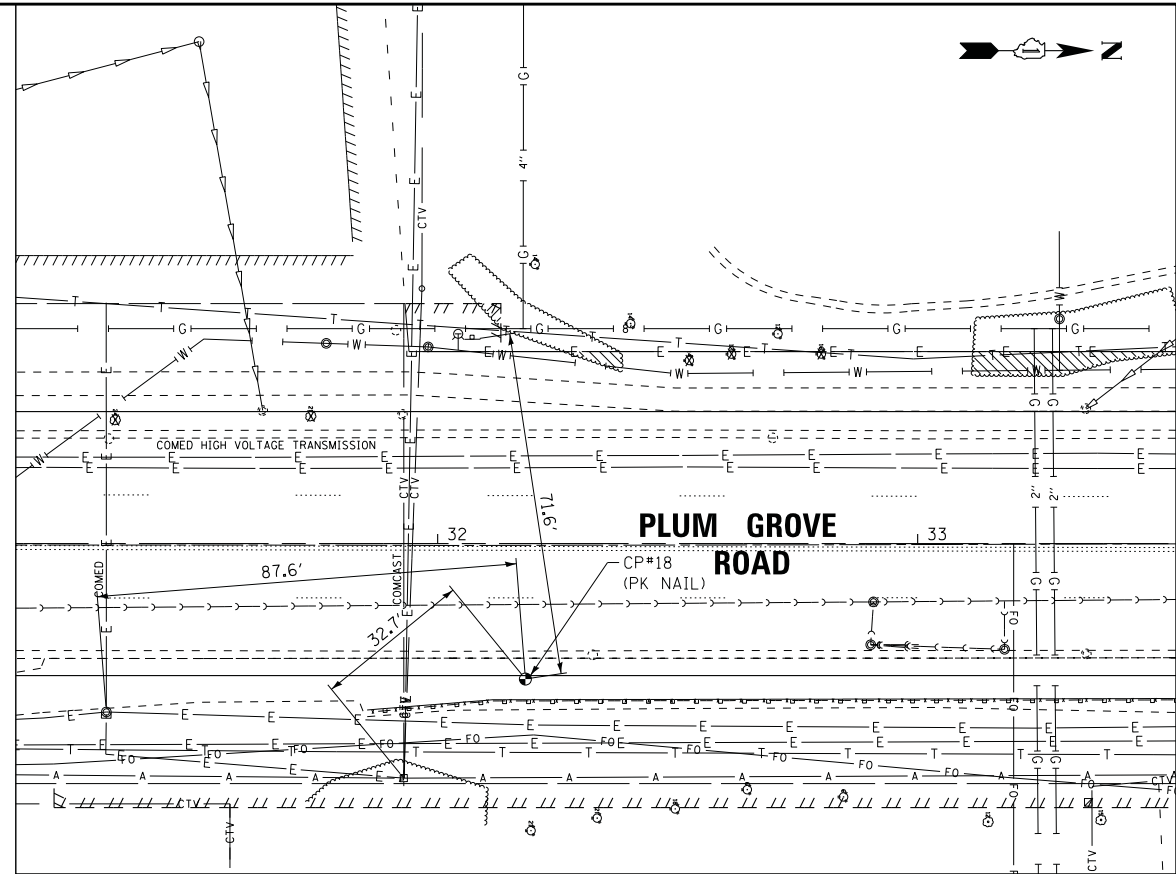
Point	North	East	Station	Elevation
20	1,958,737.9620	1,058,425.0080	22+90.82	746.2350

Data Set : 140013A
 Geometry : POINT Zone : 9 Attribute: NOTINCLUDED
 Feature : 959
 Description : CP-XCUT



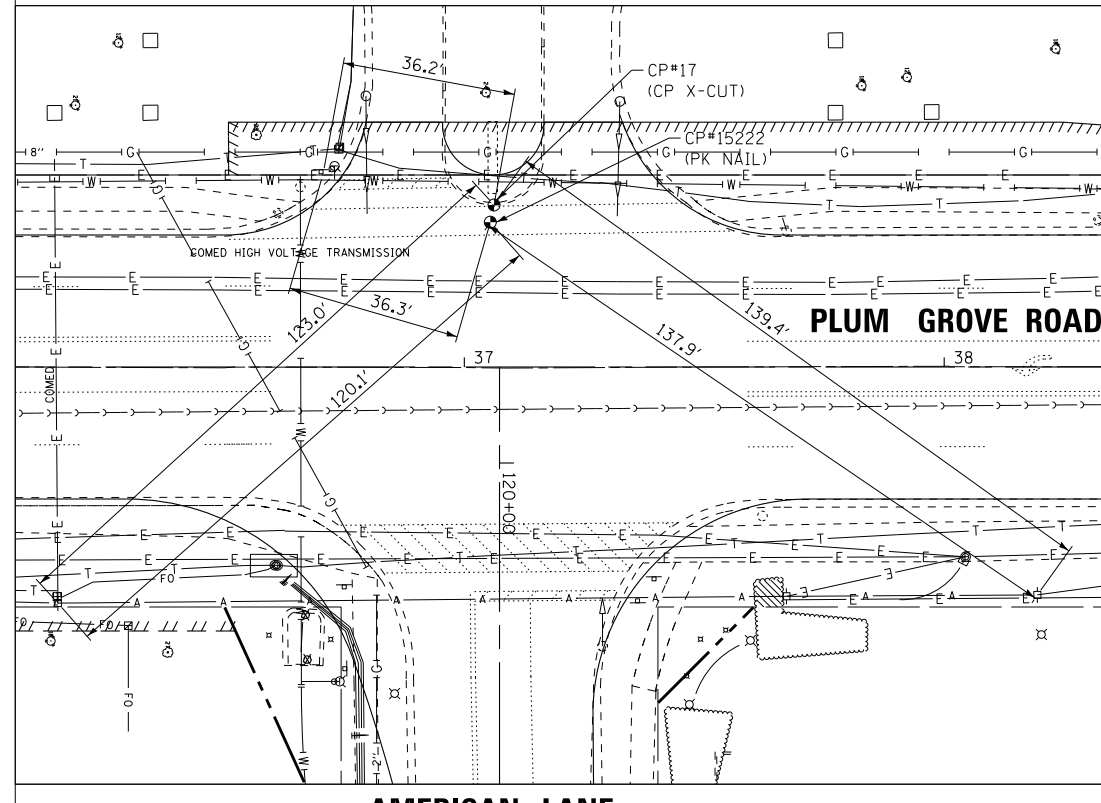
Point	North	East	Station	Elevation
19	1,959,323.4250	1,058,434.3810	28+76.34	750.7680

Data Set : 140013A
 Geometry : POINT Zone : 9 Attribute: NOTINCLUDED
 Feature : 959
 Description : CP-XCUT



Point	North	East	Station	Elevation
18	1,959,664.8050	1,058,508.8200	32+18.28	747.1060

Data Set : 140013A
 Geometry : POINT Zone : 9 Attribute: NOTINCLUDED
 Feature : 956
 Description : MAGNAIL CP-PK

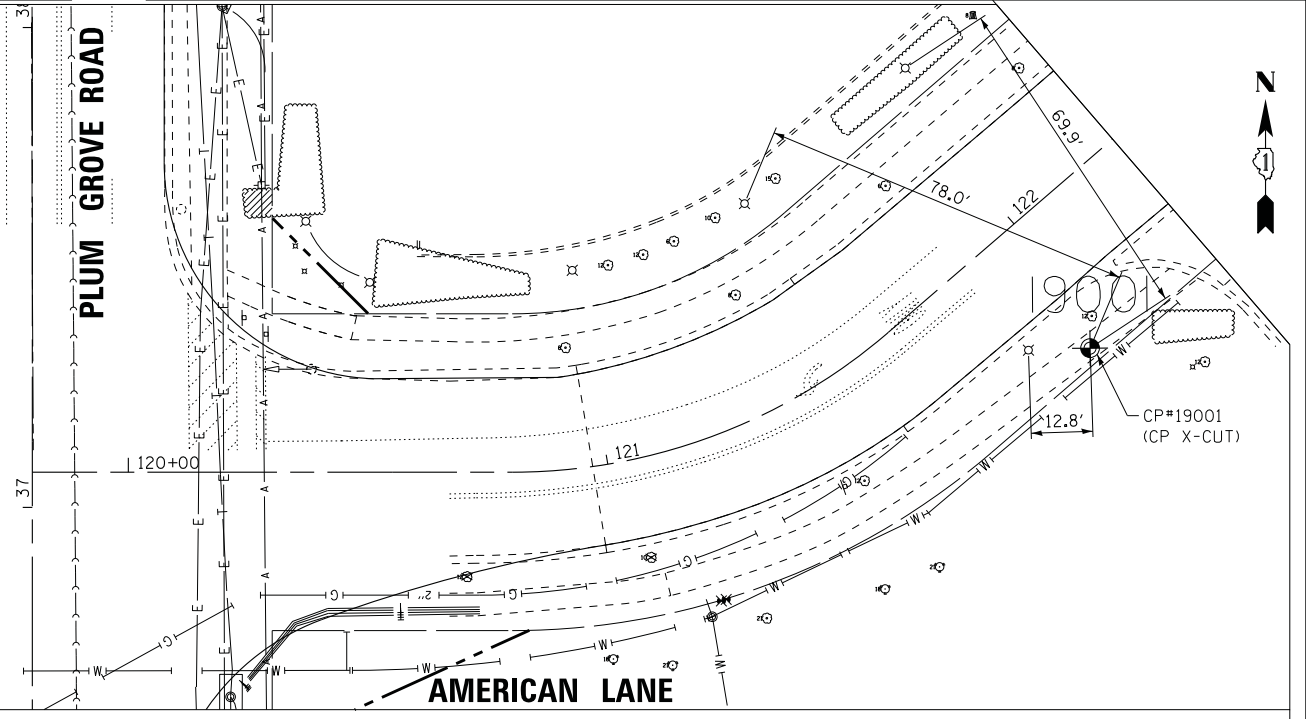


Point	North	East	Station	Elevation
17	1,960,153.1890	1,058,450.6210	37+06.20	748.6580

Data Set : 140013A
 Geometry : POINT Zone : 9 Attribute: NOTINCLUDED
 Feature : 959
 Description : CP-XCUT

Point	North	East	Station	Elevation
15222	1,960,152.3864	1,058,454.1940	37+05.42	748.2609

Data Set : 140013G
 Geometry : POINT Zone : 9 Attribute: NOTINCLUDED
 Feature : 956
 Description : CP15222 CP-PK



Point	North	East	Station	Elevation
19001	1,960,178.2246	1,058,704.9764	121+95.09	745.2010

Data Set : 140013J
 Geometry : POINT Zone : 9 Attribute: NOTINCLUDED
 Feature : 959
 Description : CP-XCUT

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CHECKED - LDH	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-AlignTies3.dgn

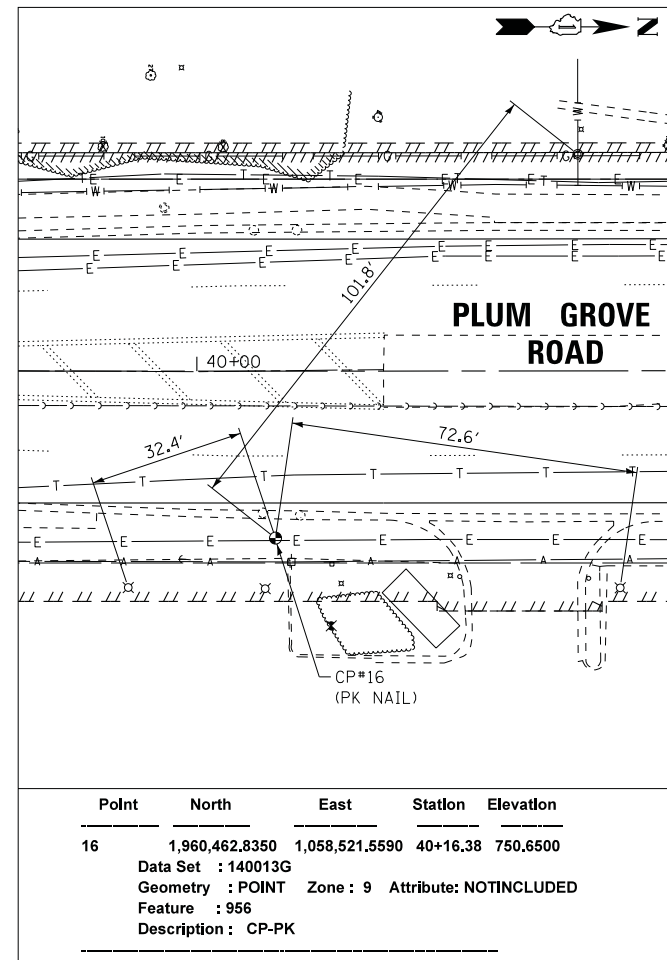
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES

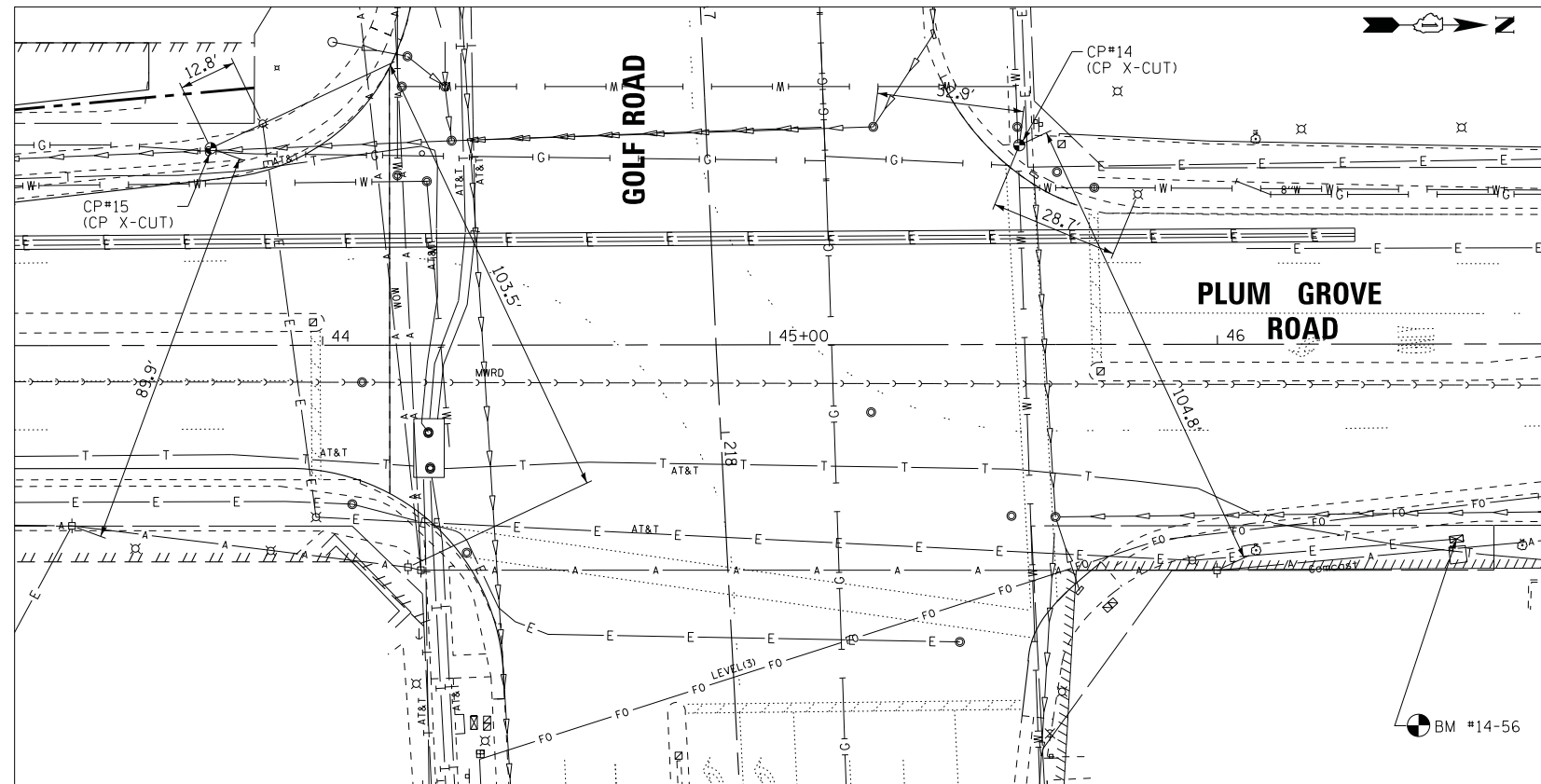
SCALE: 1" = 20'
 STA. TO STA.

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	26

CONTRACT NO. 61E29
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16



Point	North	East	Station	Elevation
16	1,960,462.8350	1,058,521.5590	40+16.38	750.6500
Data Set : 140013G				
Geometry : POINT Zone : 9 Attribute: NOTINCLUDED				
Feature : 956				
Description : CP-PK				



Point	North	East	Station	Elevation
15	1,960,822.0610	1,058,445.0840	43+75.06	754.8280
Data Set : 140013A				
Geometry : POINT Zone : 9 Attribute: NOTINCLUDED				
Feature : 959				
Description : CP-XCUT				

Point	North	East	Station	Elevation
14	1,961,002.7830	1,058,445.8030	45+55.77	755.4450
Data Set : 140013A				
Geometry : POINT Zone : 9 Attribute: NOTINCLUDED				
Feature : 959				
Description : CP-XCUT				

BENCHMARK LIST
DATUM IS NAVD88

OSBM #14-56	SQUARE CUT AT SOUTHWEST CORNER OF CONCRETE BASE OF STREET LIGHT CONTROL BOX ON EAST SIDE OF PLUM GROVE RD NORTH OF GOLF RD. STA 46+53.40, 43.6' RT EL = 757.04
OSBM #14-57	SQUARE CUT ON WEST SIDE OF CONCRETE BASE OF LIGHT POLE OF EASE SIDE OF PLUM GROVE ROAD FIRST POLE NORTH OF DRIVEWAY TO FORD DEALER STA 40+88.16, 45.2' RT EL = 752.60
OSBM #14-58	SQUARE CUT ON CONCRETE BASE OF LIGHT POLE ON WEST SIDE OF PLUM GROVE ROAD NORTH OF STURNBRIDGE LANE. STA 30+58.92, 26.1' LT EL = 748.27
OSBM #14-59	SQUARE CUT ON WEST SIDE OF CONCRETE BASE OF LIGHT POLE ON EAST SIDE OF PLUM GROVE ROAD FIRST POLE NORTH OF WOODFIELD ROAD. STA 20+13.05, 47.2' RT EL = 740.64
OSBM #14-61	SQUARE CUT ON CONCRETE BASE OF LIGHT POLE ON EAST SIDE ON WEST SIDE PLUM GROVE ROAD JUST SOUTH OF FIRST DRIVE WAY NORTH OF HIGGINS ROAD. STA 13+54.89, 69.2' LT EL = 740.24
BM #50324	FIRE HYDRANT WEST NORTHWEST BONNET BOLT ON EAST SIDE OF PLUM GROVE ROAD AT STONE WALL STA 6+92.81, 43.9' RT EL = 748.56

STATE OF ILLINOIS
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ALIGNMENT AND TIES
AND BENCHMARKS

SCALE: 1" = 20'








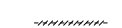


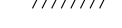





STA. TO STA.

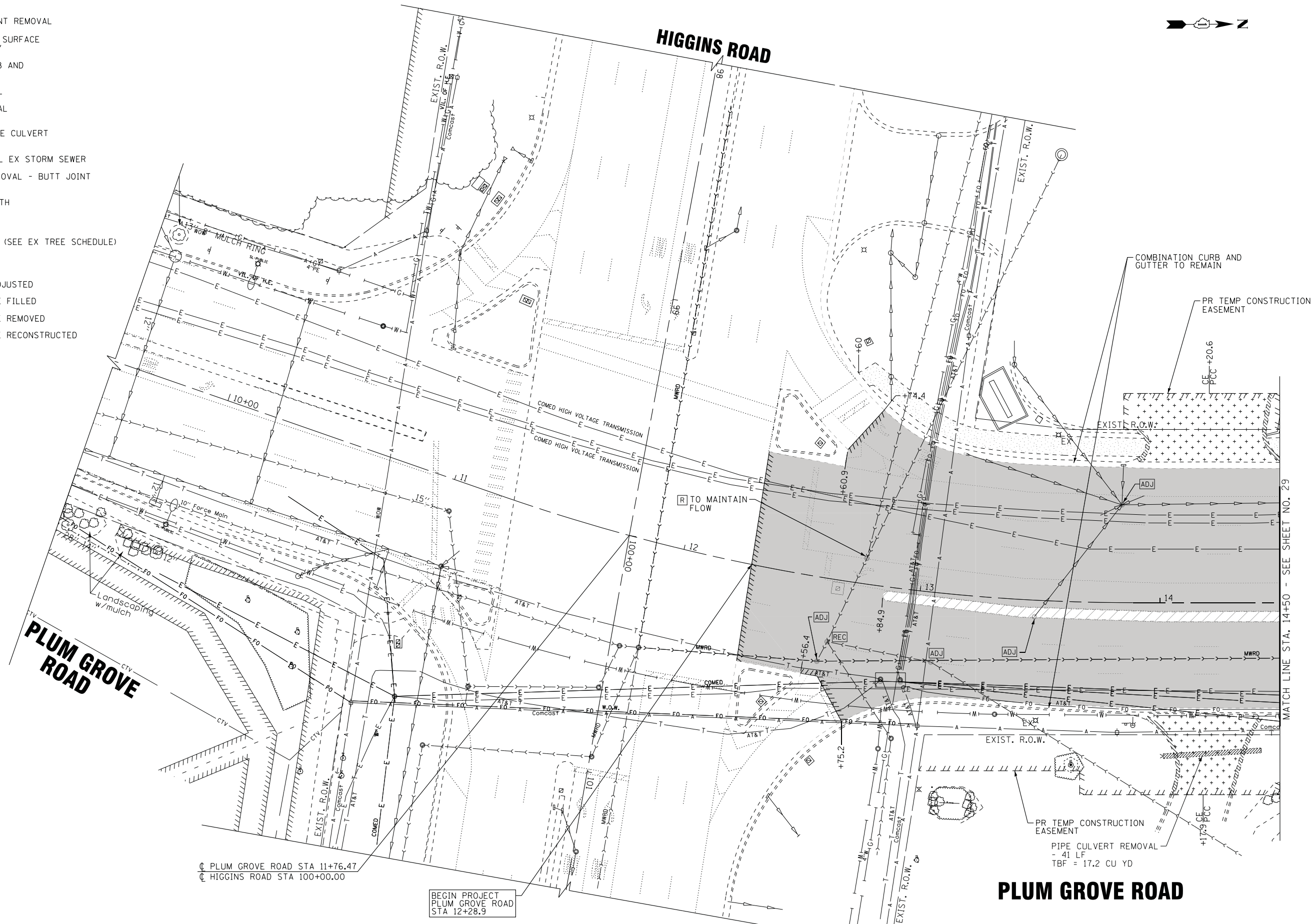
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-0015-00-PV	COOK	199	27
				CONTRACT NO. 61E29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

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CHECKED -	LDH	REVISED -	
DATE -	10-9-17	FILE -	150615-SHT-AlignTies3.dgn

LEGEND

-  MEDIAN REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
-  COMBINATION CURB AND GUTTER REMOVAL
-  SIDEWALK REMOVAL
-  BIKE PATH REMOVAL
-  STORM SEWER/PIPE CULVERT REMOVAL
-  ABANDON AND FILL EX STORM SEWER
-  HMA SURFACE REMOVAL - BUTT JOINT
-  BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
-  TREE PROTECTION (SEE EX TREE SCHEDULE)
-  TREE REMOVAL
-  STRUCTURE TO ADJUSTED
-  STRUCTURE TO BE FILLED
-  STRUCTURE TO BE REMOVED
-  STRUCTURE TO BE RECONSTRUCTED



MATCH LINE STA. 14+50 - SEE SHEET NO. 29

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED - AMW	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-Removal2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
PLUM GROVE ROAD

SCALE: 1" = 20' STA. 9+50 TO STA. 14+50

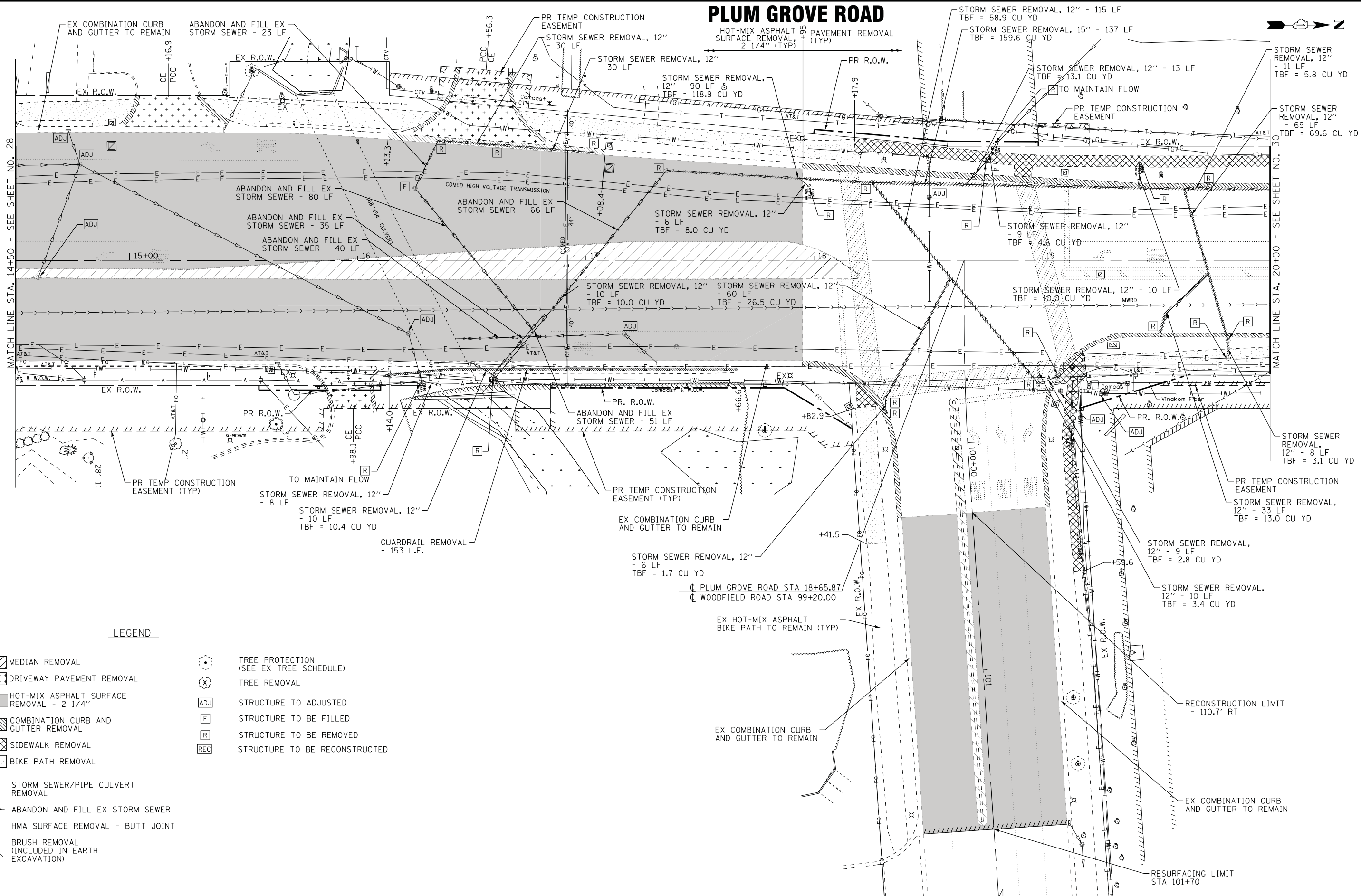
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	28
				CONTRACT NO. 61E29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

PLUM GROVE ROAD STA 11+76.47
 HIGGINS ROAD STA 100+00.00

BEGIN PROJECT
 PLUM GROVE ROAD
 STA 12+28.9

PLUM GROVE ROAD

PLUM GROVE ROAD



LEGEND

- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- COMBINATION CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- BIKE PATH REMOVAL
- STORM SEWER/PIPE CULVERT REMOVAL
- ABANDON AND FILL EX STORM SEWER
- HMA SURFACE REMOVAL - BUTT JOINT
- BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
- TREE PROTECTION (SEE EX TREE SCHEDULE)
- TREE REMOVAL
- STRUCTURE TO ADJUSTED
- STRUCTURE TO BE FILLED
- STRUCTURE TO BE REMOVED
- STRUCTURE TO BE RECONSTRUCTED

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CHECKED - DJS	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-Removal3.dgn

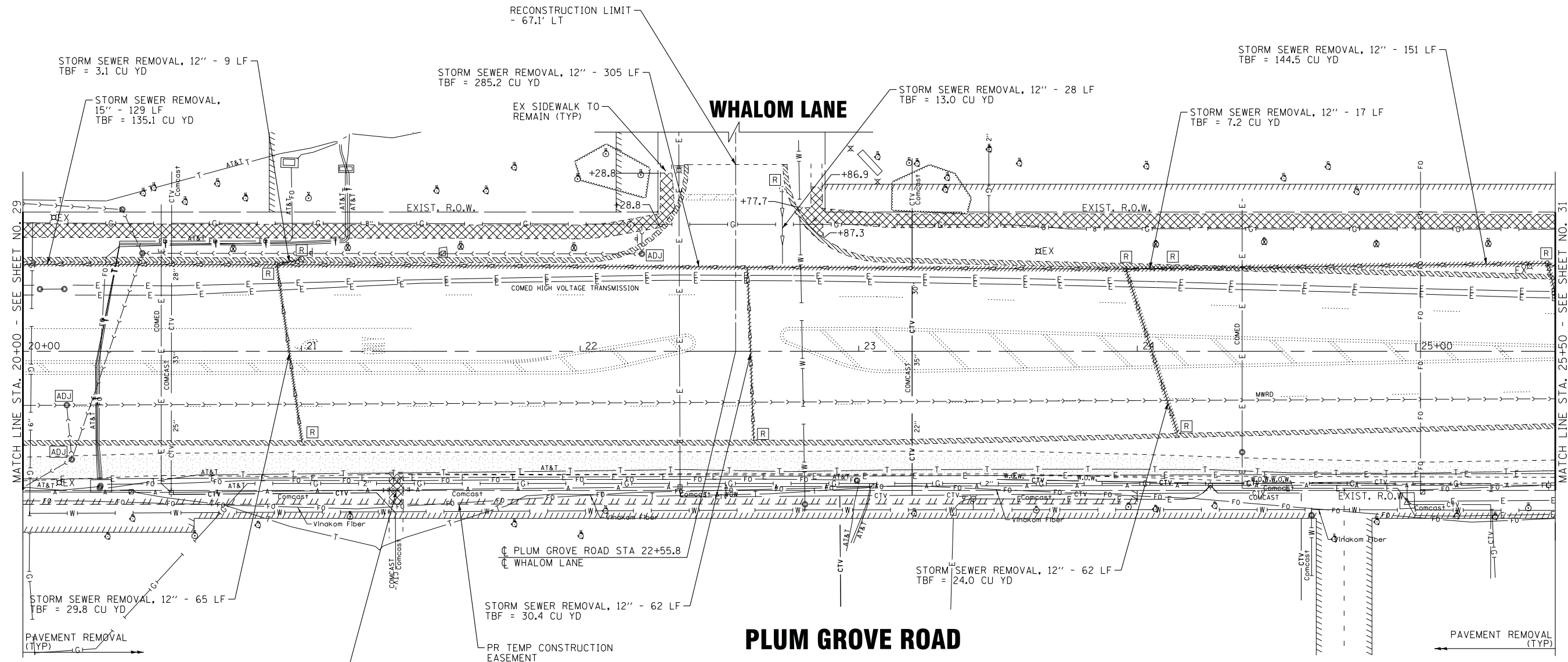
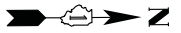
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN PLUM GROVE ROAD

SCALE: 1" = 20' STA. 14+50 TO STA. 20+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	29
CONTRACT NO. 61E29				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16



PLUM GROVE ROAD

- LEGEND**
- TREE PROTECTION (SEE EX TREE SCHEDULE)
 - TREE REMOVAL
 - STRUCTURE TO ADJUSTED
 - STRUCTURE TO BE FILLED
 - STRUCTURE TO BE REMOVED
 - STRUCTURE TO BE RECONSTRUCTED

- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- COMBINATION CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- BIKE PATH REMOVAL
- STORM SEWER/PIPE CULVERT REMOVAL
- ABANDON AND FILL EX STORM SEWER
- HMA SURFACE REMOVAL - BUTT JOINT
- BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)

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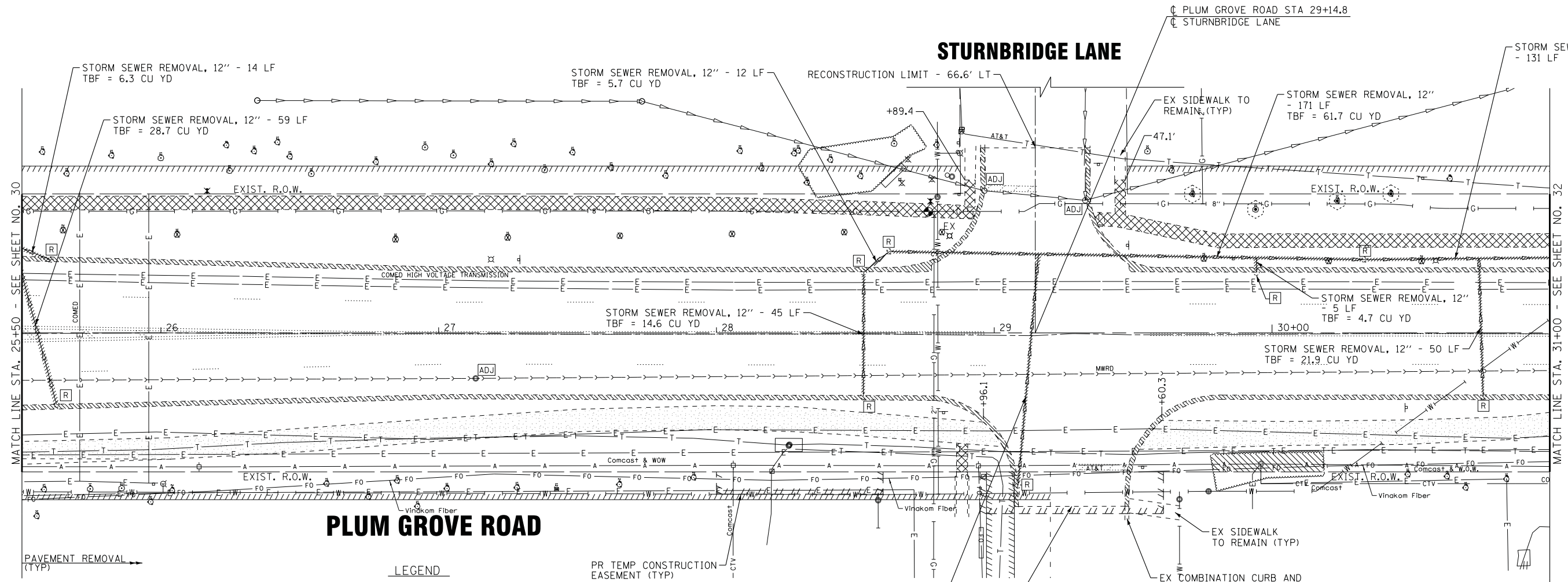
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DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-Removal4.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLAN
PLUM GROVE ROAD**

SCALE: 1" = 20' STA. 20+00 TO STA. 25+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	30
CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16	



PLUM GROVE ROAD

STURNBRIDGE LANE

WOODFIELD OFFICE COURT

LEGEND

- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- COMBINATION CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- BIKE PATH REMOVAL
- STORM SEWER/PIPE CULVERT REMOVAL
- ABANDON AND FILL EX STORM SEWER
- HMA SURFACE REMOVAL - BUTT JOINT
- BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
- TREE PROTECTION (SEE EX TREE SCHEDULE)
- TREE REMOVAL
- STRUCTURE TO ADJUSTED
- STRUCTURE TO BE FILLED
- STRUCTURE TO BE REMOVED
- STRUCTURE TO BE RECONSTRUCTED
- PR TEMP CONSTRUCTION EASEMENT (TYP)

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
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DESIGNED - AMW	REVISED -
DRAWN - UKB	REVISED -
CHECKED - DJS	REVISED -
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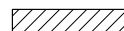
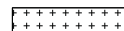


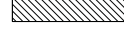

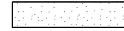


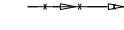






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

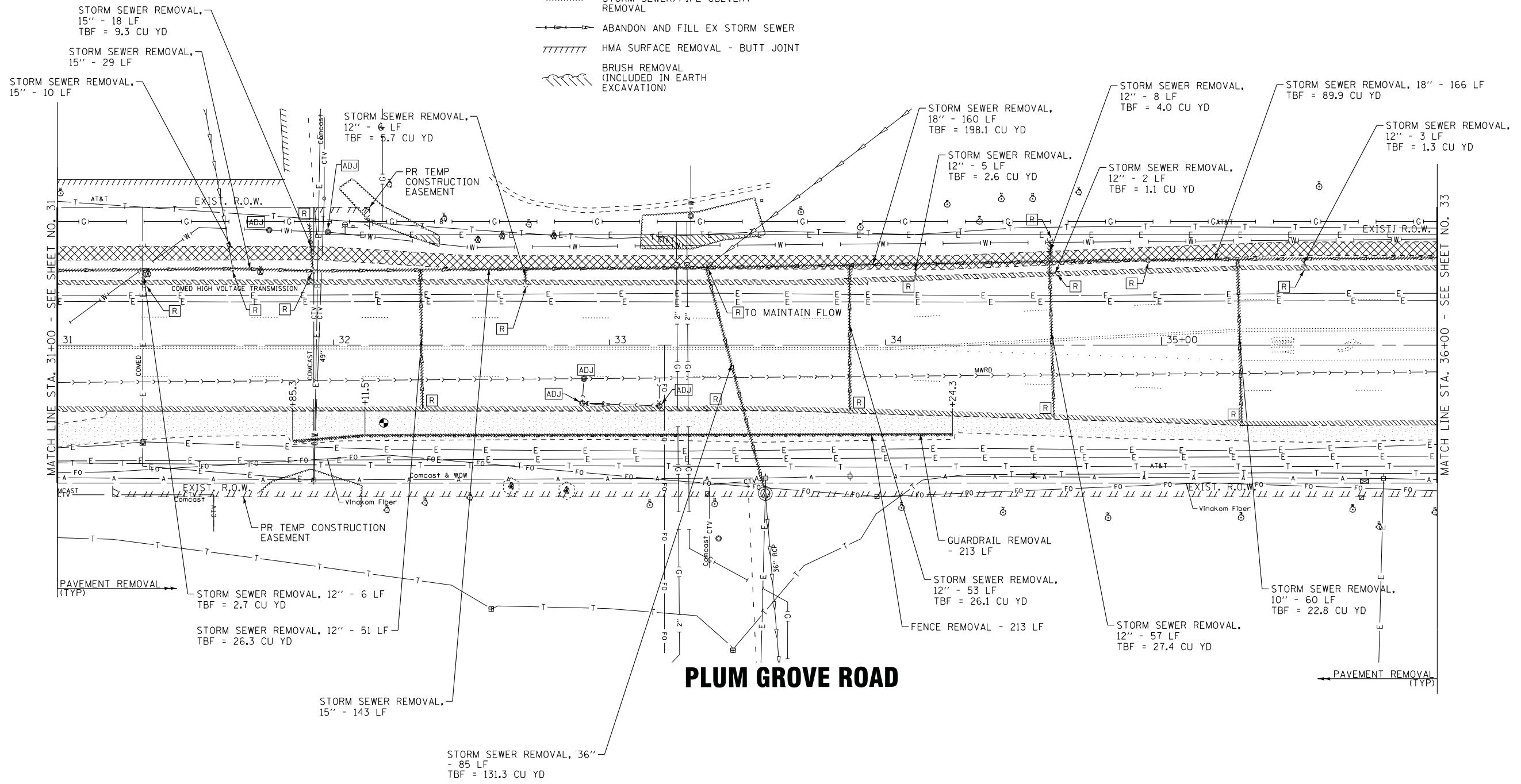
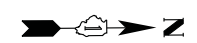
**EXISTING CONDITIONS AND REMOVAL PLAN
PLUM GROVE ROAD**

SCALE: 1" = 20' STA. 25+50 TO STA. 31+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	31
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

LEGEND

-  MEDIAN REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
-  COMBINATION CURB AND GUTTER REMOVAL
-  SIDEWALK REMOVAL
-  BIKE PATH REMOVAL
-  STORM SEWER/PIPE CULVERT REMOVAL
-  ABANDON AND FILL EX STORM SEWER
-  HMA SURFACE REMOVAL - BUTT JOINT
-  BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
-  TREE PROTECTION (SEE EX TREE SCHEDULE)
-  TREE REMOVAL
-  STRUCTURE TO ADJUSTED
-  STRUCTURE TO BE FILLED
-  STRUCTURE TO BE REMOVED
-  STRUCTURE TO BE RECONSTRUCTED



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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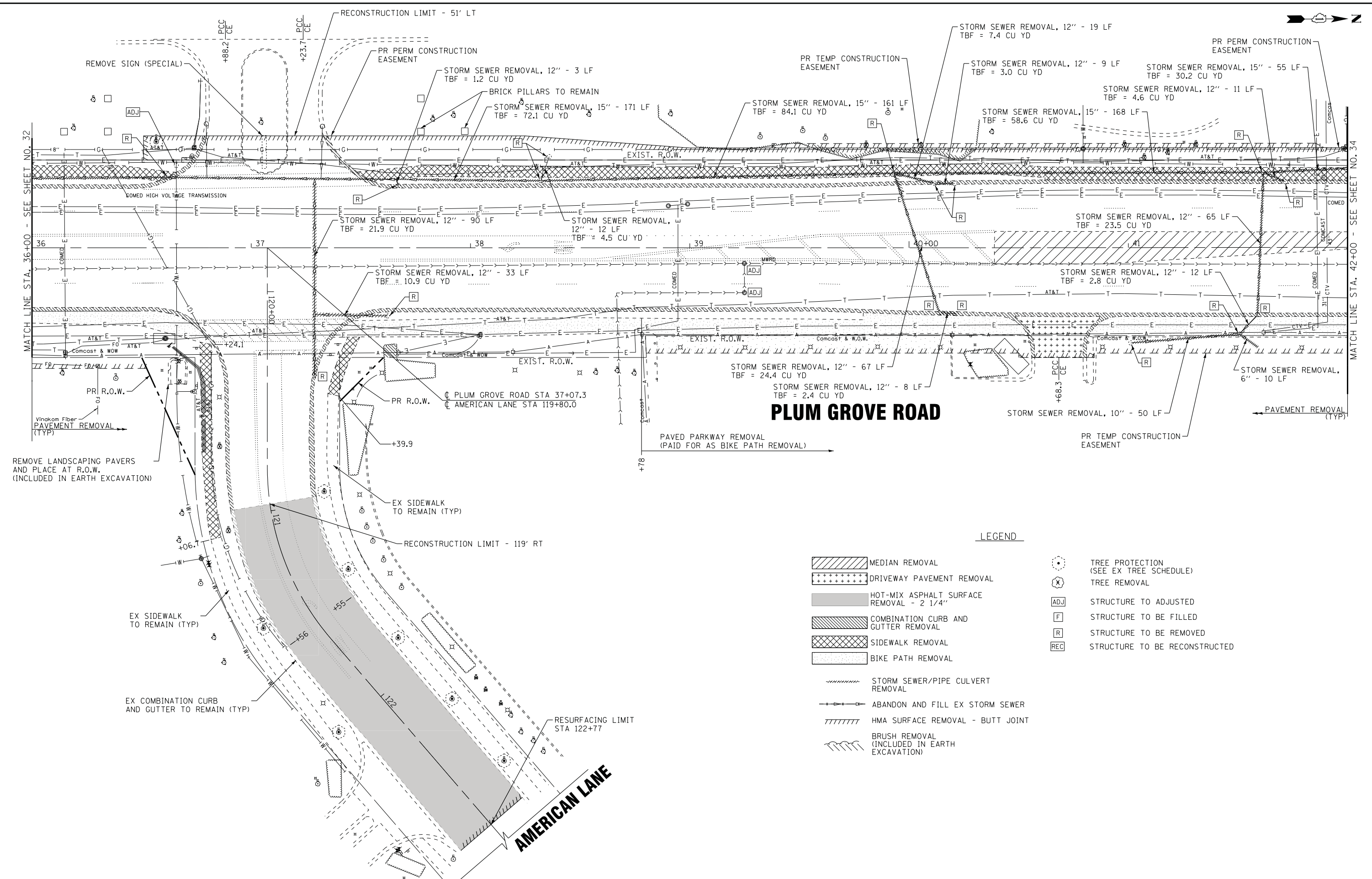
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DRAWN - UKB	REVISED -
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DATE - 10-9-17	FILE - 150615-SHT-Removal6.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
 PLUM GROVE ROAD

SCALE: 1" = 20'
 STA. 31+00 TO STA. 36+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	32
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



REMOVE LANDSCAPING PAVERS AND PLACE AT R.O.W. (INCLUDED IN EARTH EXCAVATION)

PLUM GROVE ROAD

LEGEND

- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- COMBINATION CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- BIKE PATH REMOVAL
- STORM SEWER/PIPE CULVERT REMOVAL
- ABANDON AND FILL EX STORM SEWER
- HMA SURFACE REMOVAL - BUTT JOINT
- BRUSH REMOVAL (INCLUDED IN EARTH EXCAVATION)
- TREE PROTECTION (SEE EX TREE SCHEDULE)
- TREE REMOVAL
- STRUCTURE TO ADJUSTED
- STRUCTURE TO BE FILLED
- STRUCTURE TO BE REMOVED
- STRUCTURE TO BE RECONSTRUCTED

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED - AMW	REVISED - 4-20-18
DRAWN - UKB	REVISED -
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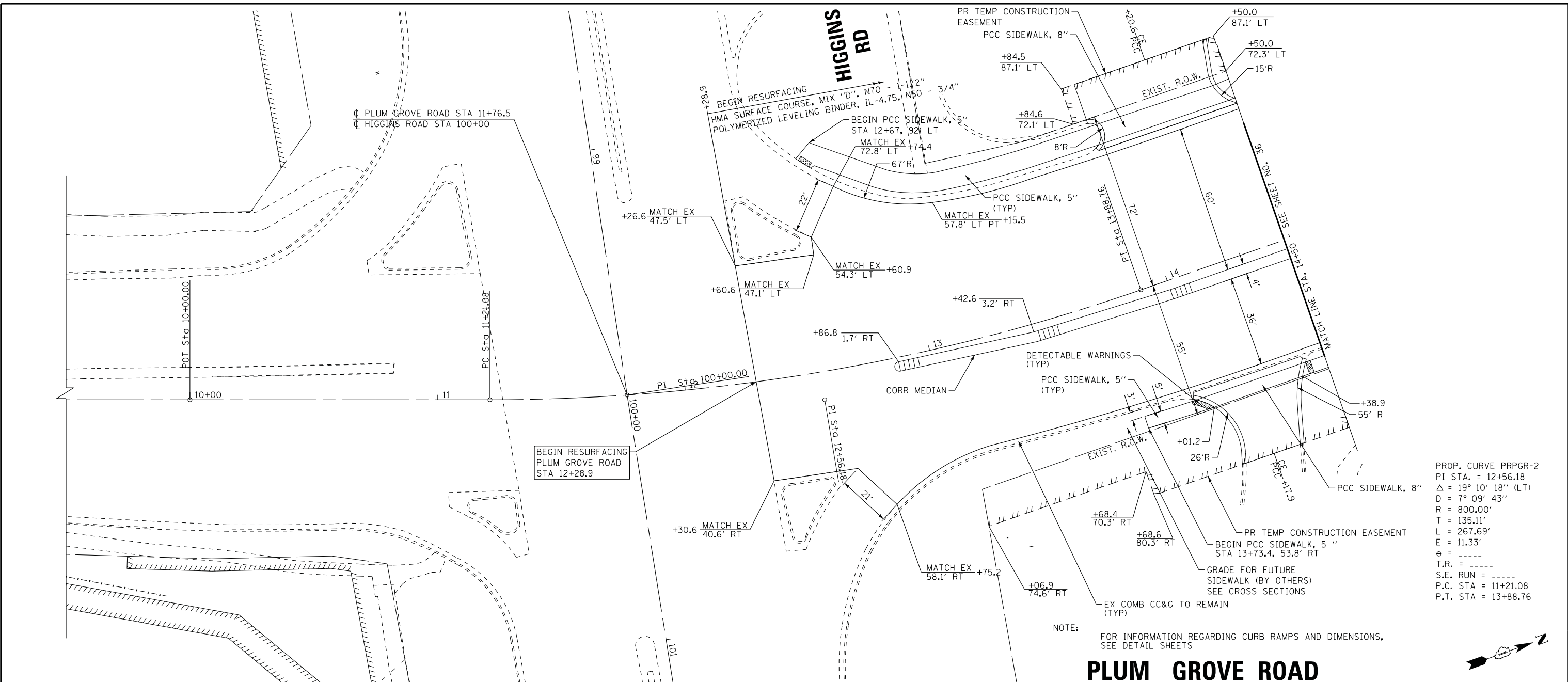
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN PLUM GROVE ROAD

SCALE: 1" = 20' STA. 36+00 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	33
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

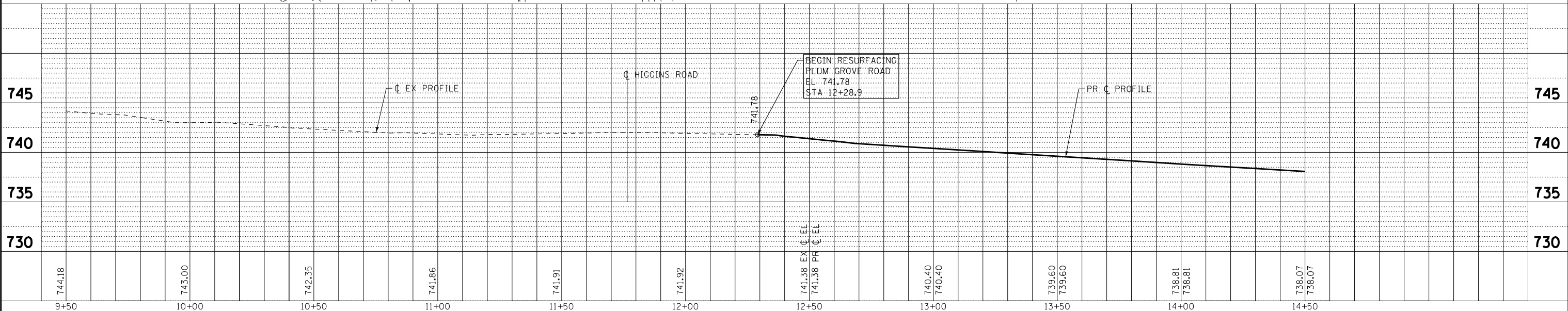
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PROP. CURVE PRPGR-2
 PI STA. = 12+56.18
 $\Delta = 19^\circ 10' 18''$ (LT)
 $D = 7^\circ 09' 43''$
 $R = 800.00'$
 $L = 135.11'$
 $T = 267.69'$
 $E = 11.33'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA = 11+21.08$
 $P.T. STA = 13+88.76$

NOTE: FOR INFORMATION REGARDING CURB RAMPS AND DIMENSIONS, SEE DETAIL SHEETS

PLUM GROVE ROAD



DESIGNED -	DJS	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	LDH	REVISED -	
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 PLUM GROVE ROAD

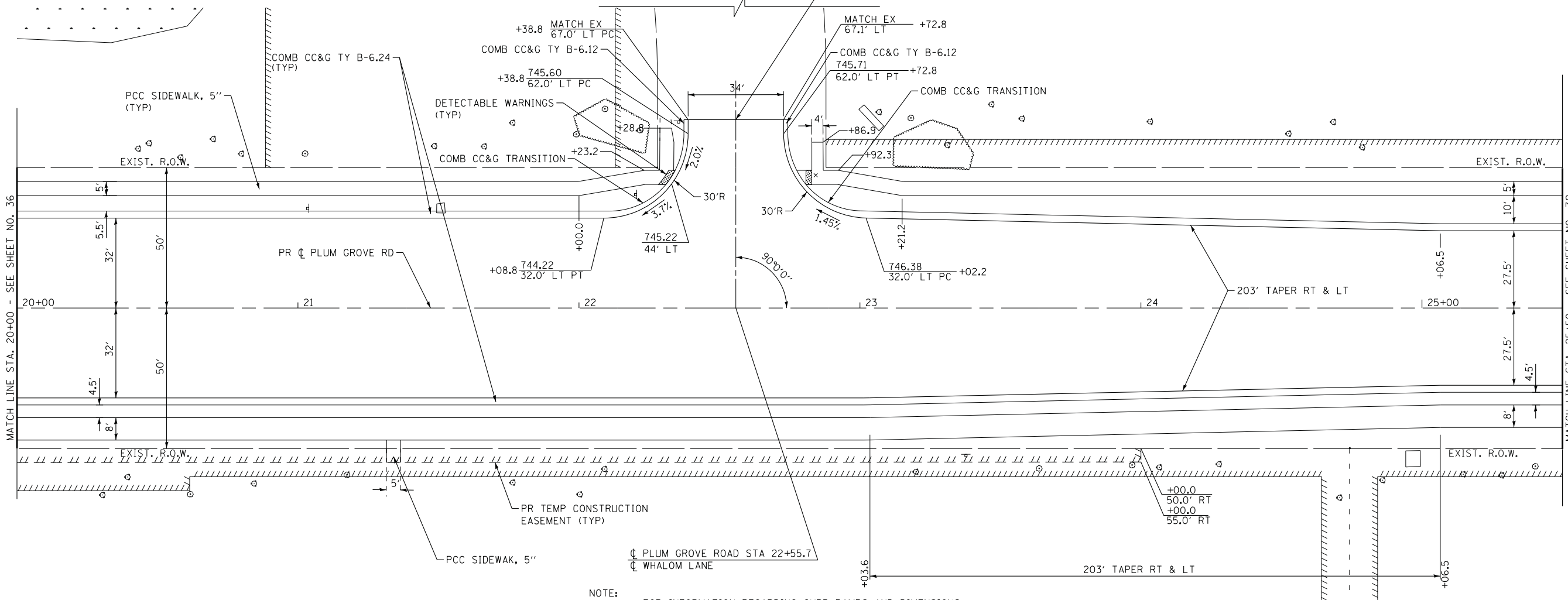
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 STA. 9+50 TO STA. 14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16	



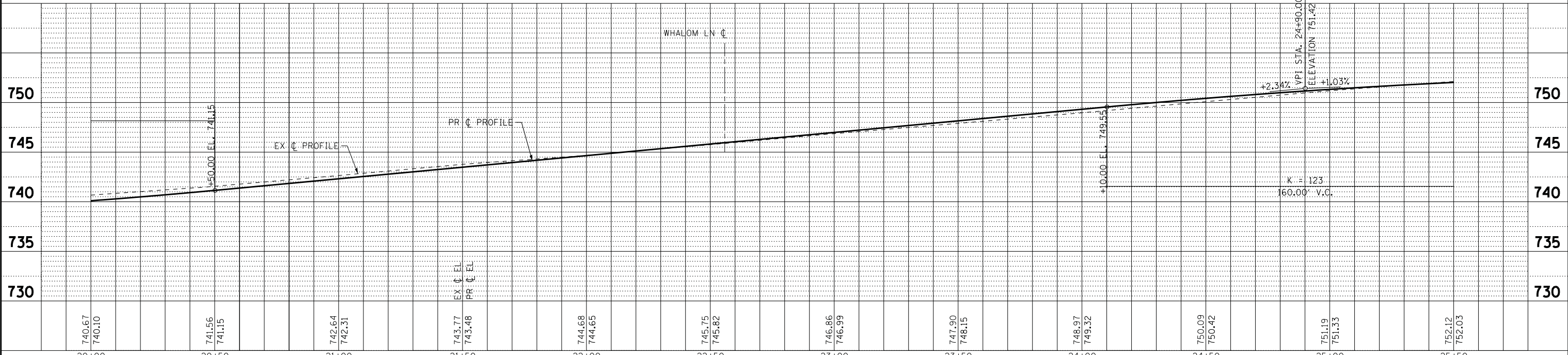
WHALOM LN

PROJECT LIMITS
- 67.1' LT



NOTE:
FOR INFORMATION REGARDING CURB RAMPS AND DIMENSIONS,
SEE DETAIL SHEETS

PLUM GROVE ROAD



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED - DJS	REVISED -
DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
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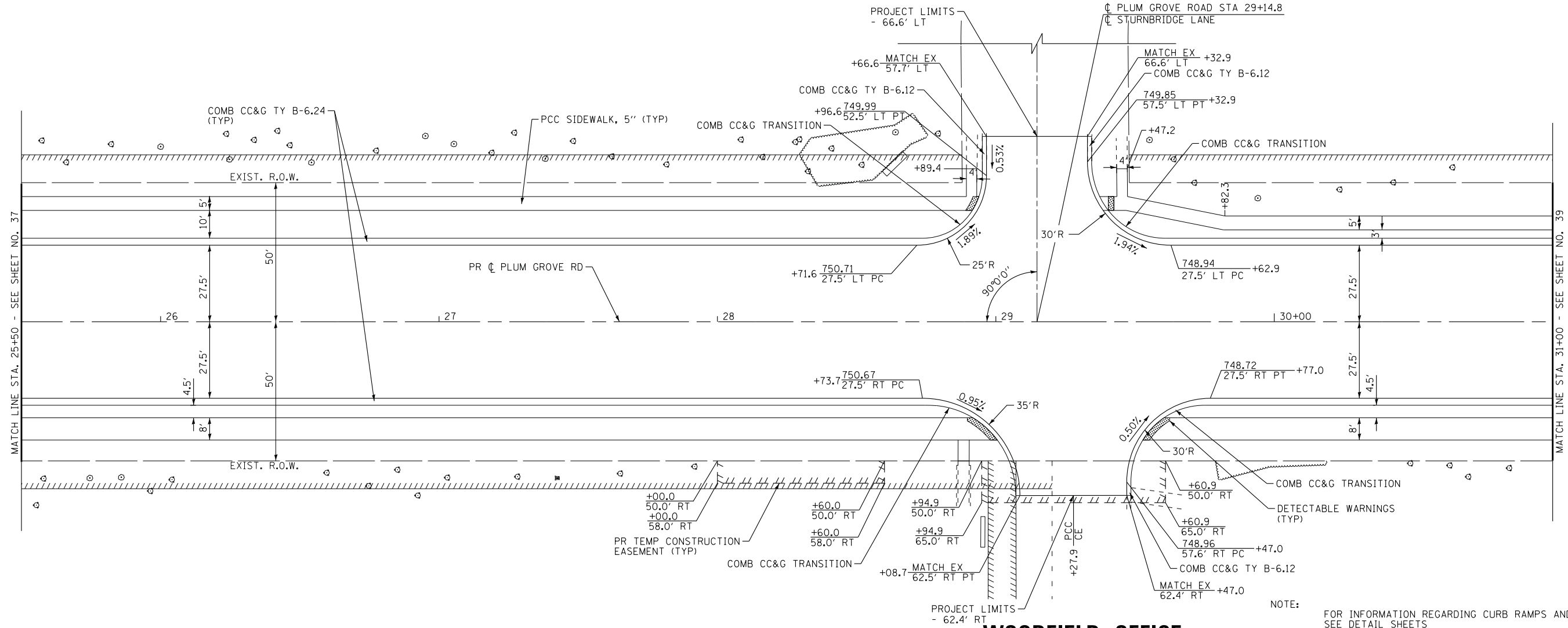
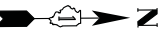
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE PLUM GROVE ROAD

SCALE: H: 1"=20' V: 1"=5'
STA. 20+00 TO STA. 25+50

F.A.U. RTE. 2582	SECTION 14-00115-00-PV	COUNTY COOK	TOTAL SHEETS 199	SHEET NO. 37
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

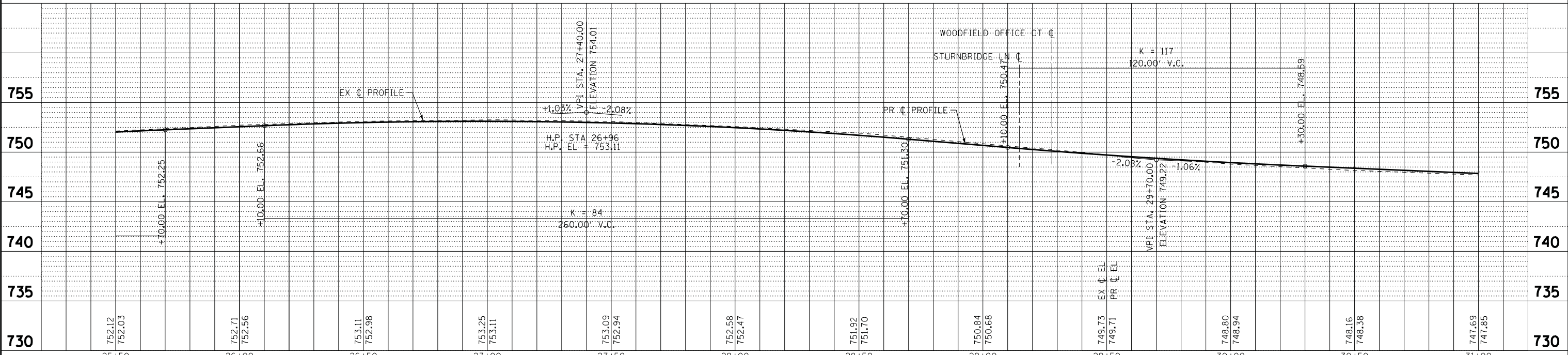
STURNBRIDGE LN



PLUM GROVE ROAD

WOODFIELD OFFICE CT

NOTE: FOR INFORMATION REGARDING CURB RAMPS AND DIMENSIONS, SEE DETAIL SHEETS



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE No. 184-00121 - EXPIRES 4/30/2019
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BAXTER & WOODMAN
Consulting Engineers

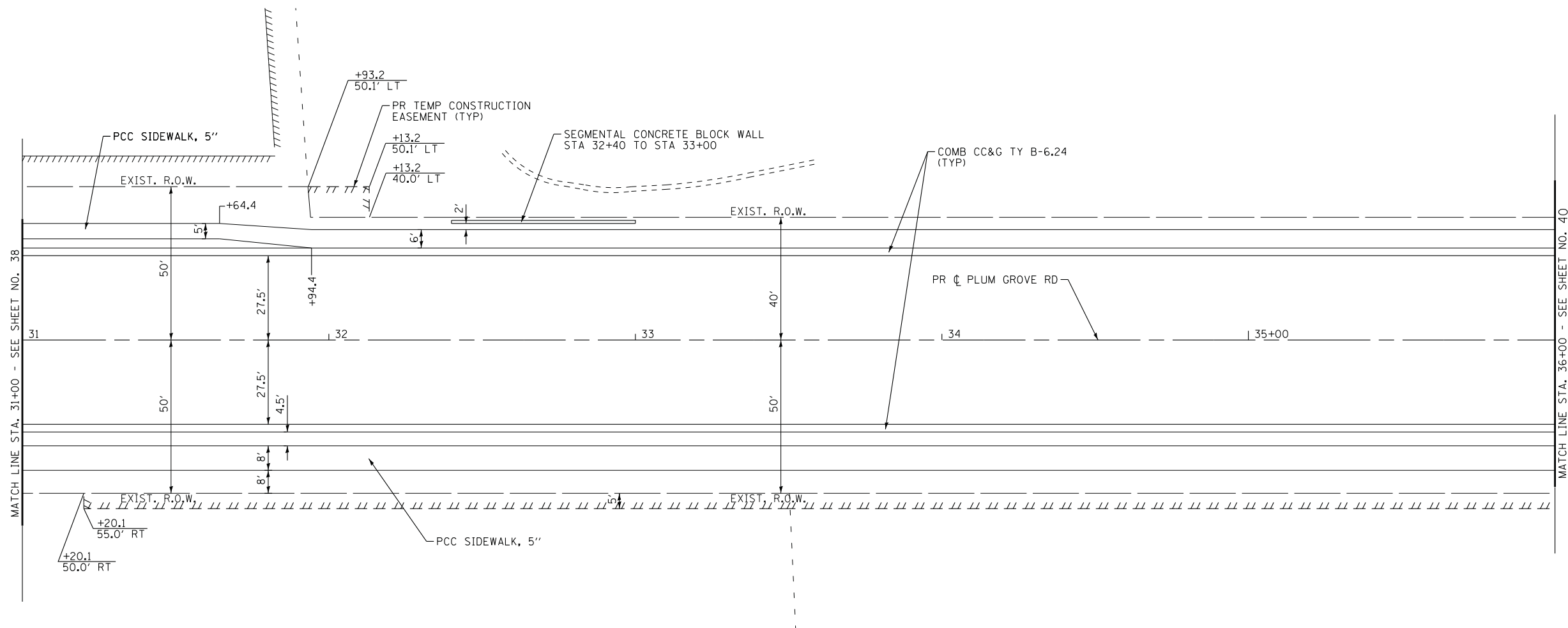
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CHECKED - LDH	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PP5.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PLUM GROVE ROAD

SCALE: H: 1"=20' V: 1"=5' STA. 25+50 TO STA. 31+00

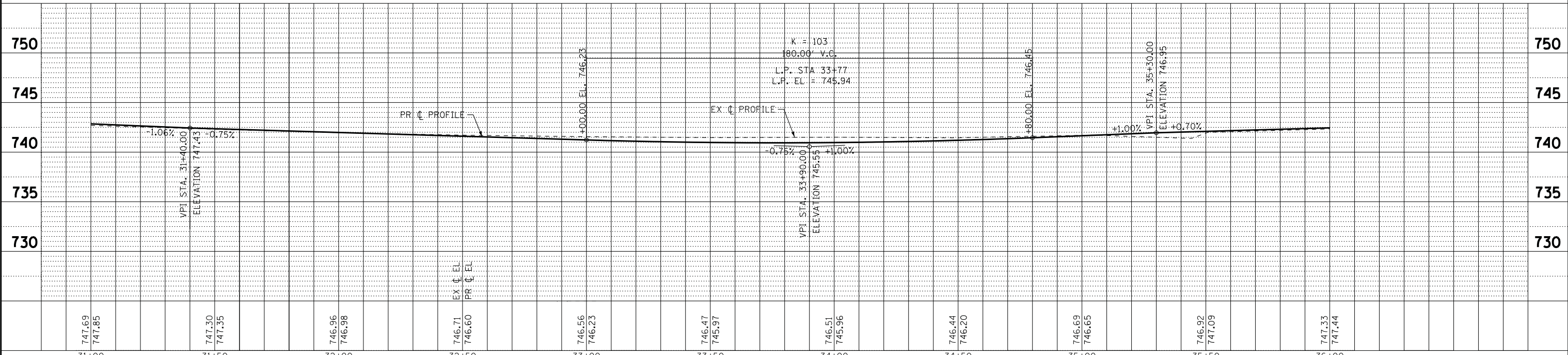
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	



SEGMENTAL CONCRETE BLOCK WALL				
STATION	32+40	32+60	32+80	33+00
TOP OF BLOCK LINE	747.40	749.19	748.21	746.88
BOTTOM GRADE LINE	746.63	746.48	746.33	746.25
TOP OF LEVELING PAD	745.13	744.98	744.83	744.75

NOTE: FOR INFORMATION REGARDING CURB RAMPS AND DIMENSIONS, SEE DETAIL SHEETS

PLUM GROVE ROAD



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE No. 184-00121 - EXPIRES 4/30/2019
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

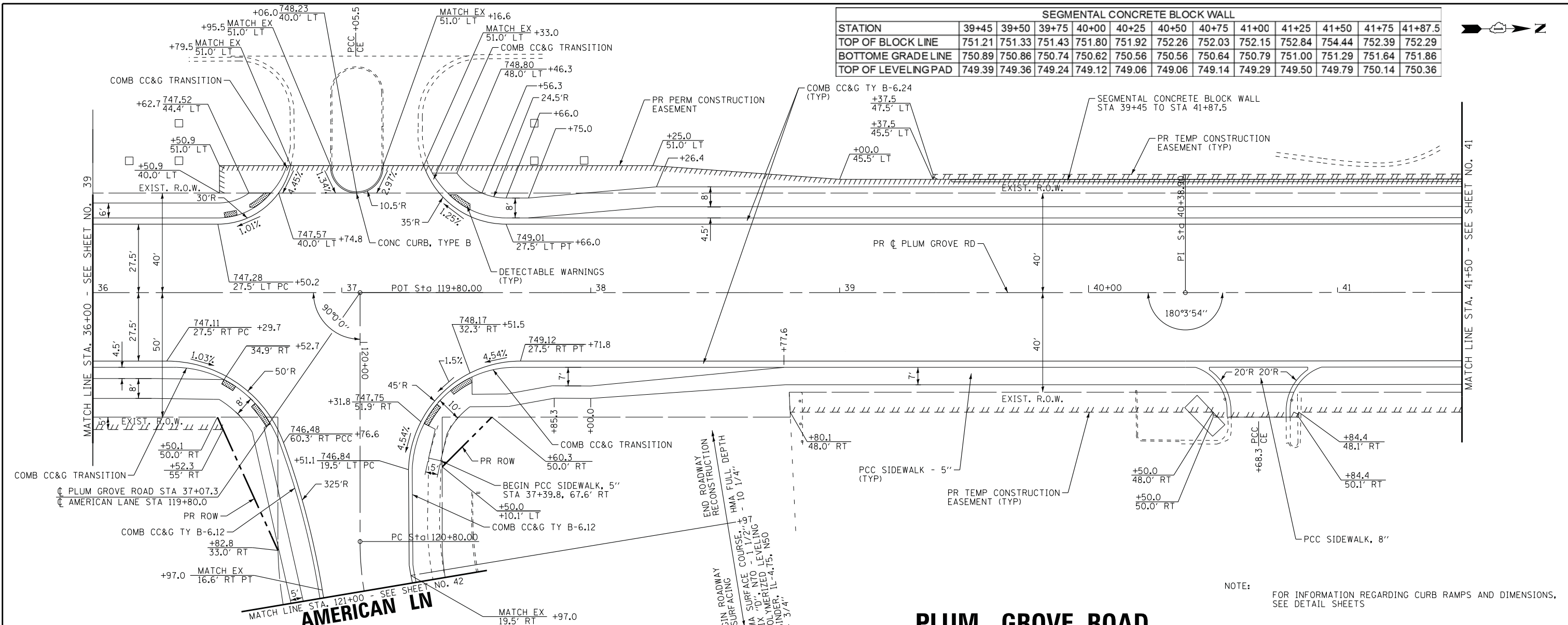
PLAN AND PROFILE
PLUM GROVE ROAD

SCALE: H: 1"=20' V: 1"=5' STA. 31+00 TO STA. 36+00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	39
CONTRACT NO. 61E29				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16

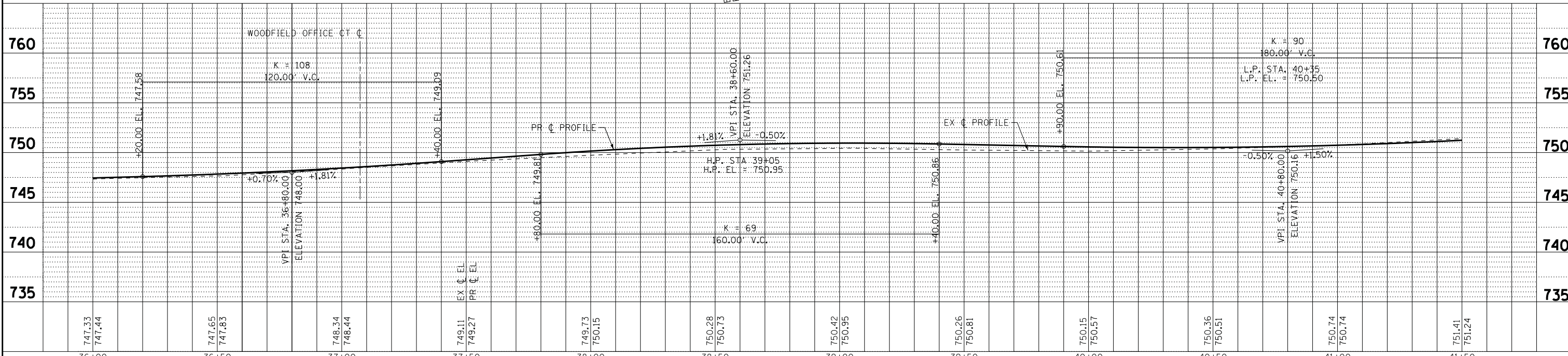
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SEGMENTAL CONCRETE BLOCK WALL												
STATION	39+45	39+50	39+75	40+00	40+25	40+50	40+75	41+00	41+25	41+50	41+75	41+87.5
TOP OF BLOCK LINE	751.21	751.33	751.43	751.80	751.92	752.26	752.03	752.15	752.84	754.44	752.39	752.29
BOTTOM GRADE LINE	750.89	750.86	750.74	750.62	750.56	750.56	750.64	750.79	751.00	751.29	751.64	751.86
TOP OF LEVELING PAD	749.39	749.36	749.24	749.12	749.06	749.06	749.14	749.29	749.50	749.79	750.14	750.36

PLUM GROVE ROAD

NOTE: FOR INFORMATION REGARDING CURB RAMPS AND DIMENSIONS, SEE DETAIL SHEETS



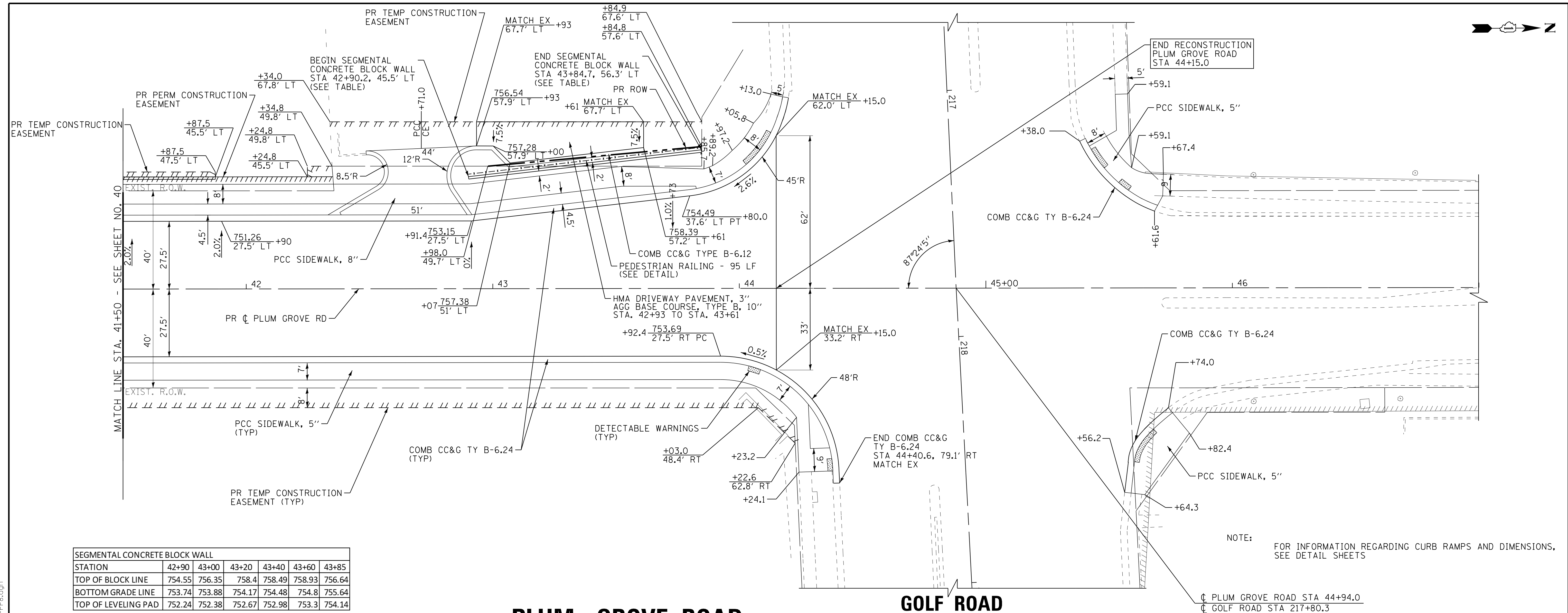
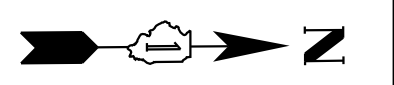
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DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE PLUM GROVE ROAD

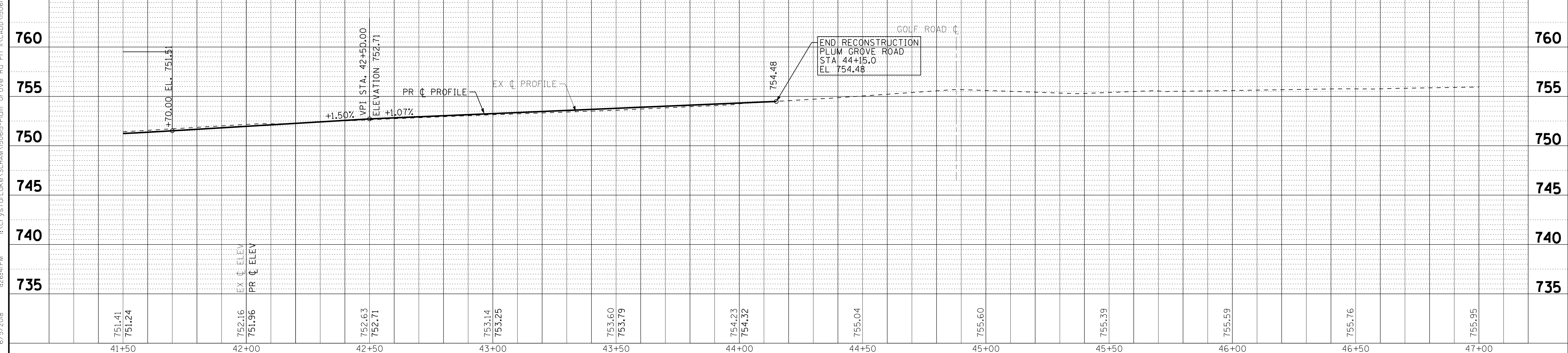
SCALE: H: 1"=20' V: 1"=5'
 STA. 36+00 TO STA. 41+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	40
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



SEGMENTAL CONCRETE BLOCK WALL						
STATION	42+90	43+00	43+20	43+40	43+60	43+85
TOP OF BLOCK LINE	754.55	756.35	758.4	758.49	758.93	756.64
BOTTOM GRADE LINE	753.74	753.88	754.17	754.48	754.8	755.64
TOP OF LEVELING PAD	752.24	752.38	752.67	752.98	753.3	754.14

PLUM GROVE ROAD



NOTE: FOR INFORMATION REGARDING CURB RAMPS AND DIMENSIONS, SEE DETAIL SHEETS

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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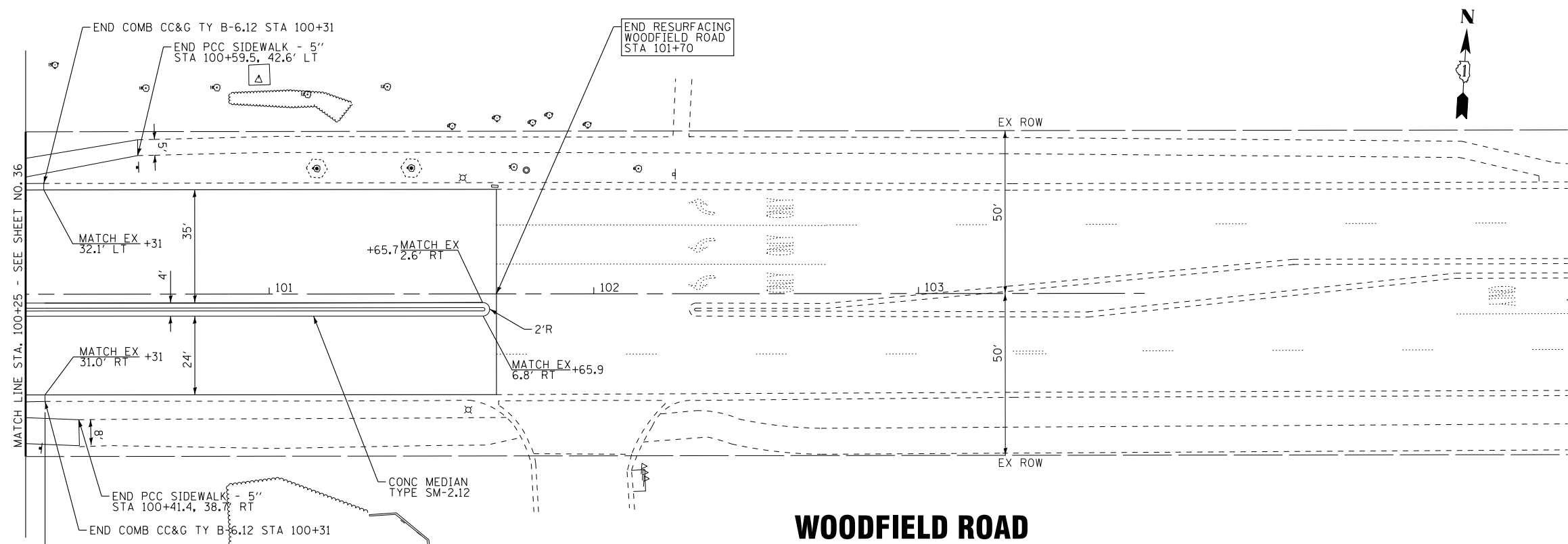
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DATE -	10-9-17	FILE -	150615-SHT-PP8.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
PLUM GROVE ROAD**

SCALE: H: 1"=20' V: 1"=5'
STA. 41+50 TO STA. 47+00

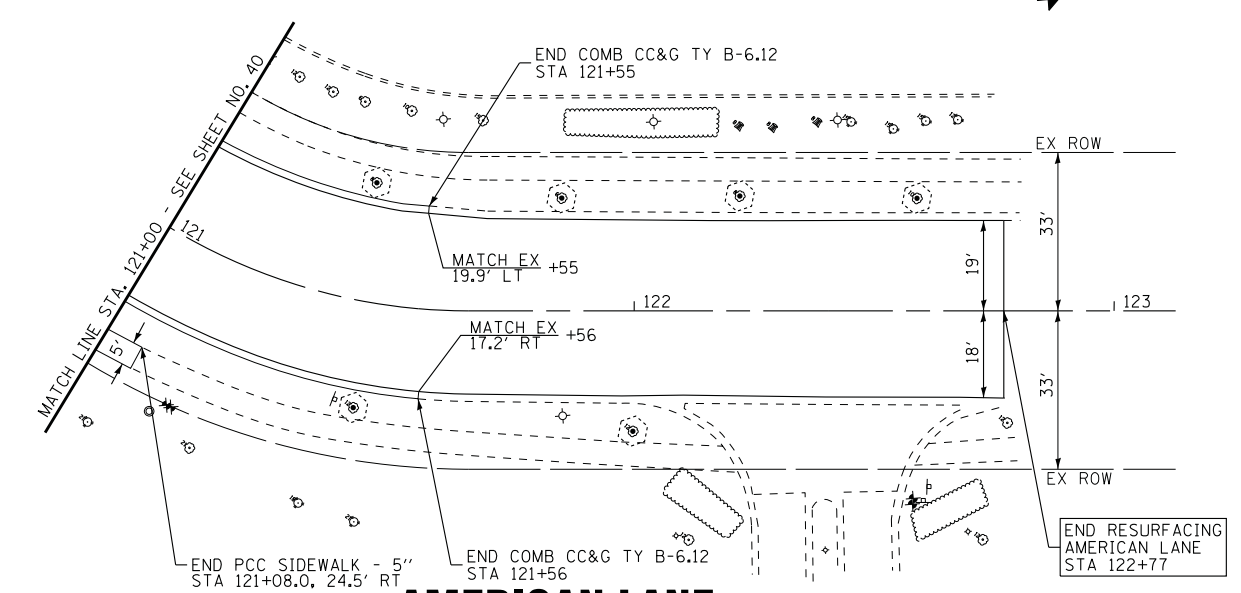
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2582	14-00115-00-PV	COOK	199	41
CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16	



WOODFIELD ROAD

END ROADWAY RECONSTRUCTION
HMA FULL DEPTH - 10 1/4"

BEGIN ROADWAY RESURFACING
HMA SURFACE COURSE, MIX "D", N70 - 1 1/2"
POLYMERIZED LEVELING BINDER, IL-4.75, N50 - 3/4"



AMERICAN LANE

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED -	REVISED -
DRAWN - UKB	REVISED -
CHECKED -	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PP9.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD & AMERICAN LANE
PLAN**

SCALE: 1" = 20' STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	42
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING GENERAL NOTES

- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS HEREBY ADVISED OF THE FOLLOWING PROJECT THAT MAY BE UNDER CONSTRUCTION DURING THE SAME TIME AS THIS CONTRACT: VILLAGE OF SCHAUMBURG, PLUM GROVE ROAD, CONTRACT NUMBER 61E16, JANUARY 19, 2018 LETTING DATE. THE CONTRACTOR WILL BE REQUIRED TO COOPERATE WITH THIS ADJACENT CONTRACT IN ACCORDANCE WITH SECTION 105.08 OF THE STANDARD SPECIFICATIONS AND MAY BE REQUIRED TO MODIFY STAGING OPERATIONS IN ORDER TO MEET THESE REQUIREMENTS. CONTRACTOR COOPERATION SHALL INCLUDE, BUT NOT BE LIMITED TO, MAINTENANCE OF TRAFFIC, TRAFFIC SIGNAL MAINTENANCE AND LIGHTING SYSTEM MAINTENANCE.
- THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK PRIOR TO THE START OF WORK FOR REVIEW AND APPROVAL. NO WORK SHALL COMMENCE UNTIL THE PREPLANNED SEQUENCE OF WORK HAS BEEN APPROVED BY VILLAGE. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO PROPERTY OWNERS AND TENANTS AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE VILLAGE AND/OR ENGINEER RESERVES THE RIGHT TO RESTRICT WORK ON ANY ROADWAY/SIDEWALK SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR AN EROSION CONTROL DEFICIENCY EXISTS.
- THE COST OF ADDITIONAL DEPLOYMENTS, SETUPS AND/OR MOBILIZATIONS NEEDED FOR STAGED CONSTRUCTION SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR WILL BE REQUIRED ATTEND WEEKLY PROGRESS MEETINGS WITH THE VILLAGE AND ENGINEER TO PROVIDE WEEKLY UPDATES ON THE PROPOSED WORK SCHEDULE AND UPCOMING SEQUENCE OF CONSTRUCTION ACTIVITIES. THE WORK SCHEDULE AND SEQUENCE OF WORK WILL REQUIRE APPROVAL OF THE VILLAGE AND COORDINATION WITH IMPACTED PROPERTY OWNERS AND TENANTS.
- ALL FLAGGERS REQUIRED FOR MAINTENANCE OF TRAFFIC, INCLUDING ANY FLAGGERS NEEDED TO MAINTAIN TRAFFIC FOR SIDE STREETS AND COMMERCIAL DRIVEWAYS, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- AGGREGATE SURFACE WILL NOT BE ALLOWED FOR MAINTAINING MAINLINE TRAFFIC. PATCHING OPERATIONS SHALL BE STAGED SO THAT PATCHING AND/OR TEMPORARY PAVEMENT CAN BE COMPLETED ON THE SAME DAY AS PAVEMENT REMOVAL.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO DRIVEWAYS AND SIDE STREETS DURING CONSTRUCTION. THIS WORK SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS.
- ALL COMMERCIAL PROPERTIES AND PARKING LOTS SHALL BE PROVIDED AT LEAST ONE INGRESS AND ONE EGRESS AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVEWAY CLOSURES/MODIFICATIONS WITH THE PROPERTY OWNERS AND TENANTS AND THE ENGINEER. COMMERCIAL DRIVEWAYS WHICH CANNOT BE CLOSED, AS DETERMINED BY THE ENGINEER, SHALL BE CONSTRUCTED IN STAGES OR WILL BE CONSTRUCTED WHEN BUSINESSES ARE NOT OPEN USING HIGH EARLY STRENGTH CONCRETE. IF NECESSARY, THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS BY USE OF FLAGGERS DURING CONSTRUCTION WORK HOURS AS DETERMINED BY THE ENGINEER.
- RESIDENTS AND BUSINESSES SHALL HAVE ACCESS TO THEIR DRIVEWAYS AT THE END OF EACH DAY, EXCEPT DURING ADJACENT CURB AND GUTTER CONSTRUCTION OR CONCRETE DRIVEWAY REPLACEMENT.
- ALL TYPE I OR II BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE EQUIPPED WITH STEADY BURN MONO-DIRECTIONAL LIGHTS. UNLESS OTHERWISE NOTED ON THE PLANS, SPACING SHALL BE AT 50 FOOT INTERVALS IN TANGENTS, 20 FOOT INTERVALS IN TAPERS, AND 10 FOOT INTERVALS IN RADII AND CURVES OR AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL LIMIT THE NUMBER OF WATER MAIN SHUTDOWNS.
- ALL SAW CUTS REQUIRED FOR PATCHING AND REMOVAL ITEMS, INCLUDING PARTIAL REMOVAL NECESSARY FOR STAGE CONSTRUCTION, SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PATCHING OR REMOVAL ITEM.
- CONSTRUCTION SHALL BE STAGED SO THAT AGGREGATE SUBGRADE IMPROVEMENT IS PLACED WITHIN 24 HOURS OF COMPLETING EARTH EXCAVATION FOR EACH LOCATION.
- TEMPORARY STORM SEWER PLUGS AND CONNECTIONS; TEMPORARY FRAMES AND LIDS; AND TEMPORARY STORM SEWER STRUCTURES, SPECIFIED ON THE PLANS OR NEEDED DUE TO THE CONTRACTOR'S METHODS, SHALL BE PAID FOR ACCORDING TO THE SPECIAL PROVISION FOR TEMPORARY DRAINAGE SYSTEM NO. 1.

MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING GENERAL NOTES (CONTINUED)

- DRIVEWAY ENTRANCE SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL FOR DRIVEWAY ENTRANCE SIGNING AT LOCATIONS SHOWN ON THE PLANS. RELOCATION OF THESE SIGNS SHALL BE COMPLETED AS NEEDED FOR EACH STAGE. THESE SIGNS WILL BE PAID FOR ONCE FOR EACH LOCATION, ACCORDING TO THE SPECIAL PROVISION FOR TEMPORARY INFORMATION SIGNING AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR RELOCATION FOR SUBSEQUENT STAGES.
- TWO WEEKS PRIOR TO THE ACTIVATION OF THE PROPOSED TRAFFIC SIGNALS AT THE INTERSECTION OF PLUM GROVE ROAD AND AMERICAN LANE, CHANGEABLE MESSAGE SIGNS SHALL BE POSITIONED AT APPROXIMATELY STA. 34+00 RT FOR NORTHBOUND TRAFFIC; STA. 40+00 LT FOR SOUTHBOUND TRAFFIC; AND STA. 122+00 LT FOR WESTBOUND TRAFFIC. THE SIGNS SHALL DISPLAY THE MESSAGE "NEW TRAFFIC SIGNAL" FOLLOWED BY "STARTING [MMM ##]" (MMM ## SHALL BE REPLACED WITH THE THREE LETTER ABBREVIATION FOR THE MONTH AND DATE OF THE SIGNAL TURN-ON). THE CHANGEABLE MESSAGES SIGNS SHALL REMAIN AT THE LOCATIONS SPECIFIED ABOVE TWO WEEKS AFTER THE TURN-ON, BUT THE MESSAGES SHALL BE CHANGED TO "NEW SIGNAL AHEAD" FOLLOWED BY "BE PREPARED TO STOP". YELLOW W3-3 SIGNS (SIGNAL AHEAD WARNING) WITH 18" X 18" ORANGE FLAGS MOUNTED ON THE TRAFFIC SIDE OF THE SIGNS SHALL BE INSTALLED AT APPROXIMATELY STA. 33+00 RT FOR NORTHBOUND TRAFFIC; STA. 41+00 LT FOR SOUTHBOUND TRAFFIC; AND STA. 123+00 LT FOR WESTBOUND TRAFFIC. W3-3 SIGNS AND FLAGS SHALL BE REMOVED 4 WEEKS FOLLOWING SIGNAL ACTIVATION.
- A CHANGEABLE MESSAGE SIGN SHALL BE POSITION APPROXIMATELY 400 FEET NORTH OF PLUMWOOD DRIVE TO ALERT NORTHBOUND PLUM GROVE ROAD TRAFFIC OF THE WORK ZONE AHEAD. THE MESSAGE AND PERIODIC UPDATES TO THE MESSAGE SHALL BE AS DETERMINED BY THE ENGINEER. THIS SIGN SHALL BE DEPLOYED ONE WEEK PRIOR TO MAINTENANCE OF TRAFFIC SETUP AND REMAIN ACTIVE AND AT THIS LOCATION FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- IF ANY PAVEMENT MARKING AND/OR SIGNING ALONG PLUM GROVE ROAD, SOUTH OF HIGGINS ROAD, IS/ARE DISTURBED DUE TO THE PROPOSED IMPROVEMENTS ALONG PLUM GROVE ROAD, THE CONTRACTOR SHALL REPLACE THE DISTURBED TRAFFIC CONTROL DEVICES, SOUTH OF HIGGINS ROAD, PER IDOT AND IDOT-DISTRICT 1 STANDARDS FOR PAVEMENT MARKING AND SIGNING. EXISTING PAVEMENT MARKING MATERIALS SHALL BE MATCHED IN KIND, AND REPLACEMENT OF SIGNAGE SHALL USE TYPE ZZ SIGN SHEETING AND TELESOPING STEEL SIGN SUPPORTS.

MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION

PRE-STAGE

CONSTRUCTION

- ESTABLISH EROSION CONTROL MEASURES AND TREE PROTECTION.
- COMPLETE TREE REMOVAL.
- COMPLETE UTILITY RELOCATIONS.
- COMPLETE CULVERT HEADWALL IMPROVEMENTS.
- INSTALL TEMPORARY TRAFFIC SIGNALS.
- CLOSE CROSSWALK ON SOUTH LEG OF THE INTERSECTION WITH WOODFIELD ROAD PER HIGHWAYS STANDARD 701801 TO REMAIN CLOSED THROUGHOUT THE ENTIRE PROJECT.

TRAFFIC

- UTILIZE TRAFFIC CONTROL STANDARDS AND LANE CLOSURES AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701011, 701101, 701106, 701301, 701311, 701427, 701502, 701601, 701602, 701606, 701611 AND 701701.

STAGE 1

CONSTRUCTION

- INSTALL TEMPORARY PAVEMENT AT LOCATIONS SHOWN IN THE PLANS.
- ESTABLISH STAGE 1 TRAFFIC CONTROL ITEMS.
- INSTALL STORM SEWER WITH TEMPORARY PLUGS AND CONNECTIONS WITHIN THE STAGE 1 CONSTRUCTION ZONE.
- COMPLETE PATCHES AND/OR TEMPORARY PAVEMENT OVER UTILITY TRENCHES.

TRAFFIC

- MAINTAIN TWO-LANE TWO WAY TRAFFIC THROUGHOUT THE PROJECT AS SHOWN IN THE PLANS.
- AT LOCATIONS WHERE CONSTRUCTION OUTSIDE THE STAGE 1 CONSTRUCTION ZONE OR IN OPEN TRAFFIC LANES IS NECESSARY, DAYTIME CLOSURES OF TURN LANES WILL BE ALLOWED AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701601, 701602, 701611 AND 701701 IN ORDER TO PROVIDE ONE THRU LANE IN EACH DIRECTION AT ALL TIMES.
- ANY PAVEMENT REMOVAL OUTSIDE THE STAGE 1 CONSTRUCTION ZONE SHALL BE PATCHED USING CLASS D PATCHES THE SAME DAY AND STAGE 1 TRAFFIC CONFIGURATION SHALL BE RESTORED AT THE END OF EACH DAY UNLESS OTHERWISE APPROVED IN WRITING BY THE VILLAGE.
- PEDESTRIAN AND BICYCLE TRAFFIC SHALL BE MAINTAINED AT ALL SIDEWALK AND PATH LOCATIONS. LOCATIONS OF SIDEWALK OR PATH REMOVAL SHALL BE RESTORED USING TEMPORARY ACCESS WALK.

MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION (CONTINUED)

STAGE 2

CONSTRUCTION

- ESTABLISH STAGE 2 TRAFFIC CONTROL ITEMS.
- REMOVE EXISTING SOUTHBOUND PAVEMENT.
- INSTALL STORM SEWER WITHIN THE STAGE 2 CONSTRUCTION ZONE.
- BEGIN ELECTRICAL WORK FOR SIGNALS AND LIGHTING.
- COMPLETE SANITARY MANHOLE REPAIRS AT STA. 12+76.
- COMPLETE WEST SIDE GRADING, CURB AND GUTTER, SOUTHBOUND THRU LANES BINDER COURSE PAVEMENT AND WEST SIDE SIDEWALK AND BIKE PATH.

TRAFFIC

- MAINTAIN TWO-LANE TWO WAY TRAFFIC THROUGHOUT THE PROJECT AS SHOWN IN THE PLANS.
- CONSTRUCTION AT SIDE STREETS AND DRIVEWAYS SHALL BE STAGED SO THAT TRAFFIC IS MAINTAINED. AGGREGATE FOR TEMPORARY ACCESS SHALL BE USED AS REQUIRED.
- HIGHWAYS STANDARDS 701601 AND 701701 SHALL BE USED DURING SANITARY MANHOLE REPAIRS AT STA. 12+76.
- PEDESTRIAN AND BICYCLE TRAFFIC SHALL BE MAINTAINED USING EAST SIDE BIKE PATH. WEST SIDE SIDEWALK SHALL BE CLOSED USING HIGHWAY STANDARD 701801.

STAGE 3

CONSTRUCTION

- CONSTRUCT TEMPORARY PAVEMENT AT LOCATIONS SHOWN ON PLANS.
- ESTABLISH STAGE 3 TRAFFIC CONTROL ITEMS AND BICYCLE ROUTE DETOUR.
- REMOVE EXISTING NORTHBOUND PAVEMENT.
- COMPLETE STORM SEWER INSTALLATION.
- CONTINUE ELECTRICAL WORK FOR SIGNALS AND LIGHTING.
- COMPLETE EAST SIDE GRADING, CURB AND GUTTER, NORTHBOUND THRU LANES BINDER COURSE PAVEMENT, SIDEWALK AND PATH.

TRAFFIC

- AT LOCATIONS WHERE TEMPORARY PAVEMENT IS TO BE CONSTRUCTED OUTSIDE THE STAGE 3 CONSTRUCTION ZONE OR IN OPEN TRAFFIC LANES, DAYTIME CLOSURES OF LEFT TURN LANES WILL BE ALLOWED AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701601, 701602, 701611 AND 701701 IN ORDER TO PROVIDE ONE THRU LANE IN EACH DIRECTION AT ALL TIMES.
- MAINTAIN TWO-LANE TWO WAY TRAFFIC THROUGHOUT THE PROJECT AS SHOWN IN THE PLANS.
- CONSTRUCTION AT SIDE STREETS AND DRIVEWAYS SHALL BE STAGED SO THAT TRAFFIC IS MAINTAINED. AGGREGATE FOR TEMPORARY ACCESS SHALL BE USED AS REQUIRED.
- SEE PLANS FOR SUBSTAGES 3A AND 3B TO BE USED FOR WORK AT WOODFIELD ROAD AND AMERICAN LANE.
- THE EAST SIDE BIKE PATH SHALL BE CLOSED AND BICYCLE TRAFFIC SHALL BE DETOURED ACCORDING TO THE DETOUR PLAN.

STAGE 4

CONSTRUCTION

- ESTABLISH STAGE 4 TRAFFIC CONTROL ITEMS.
- REMOVE BICYCLE ROUTE DETOUR.
- REMOVE CENTER LANE PAVEMENT.
- CONTINUE ELECTRICAL WORK FOR SIGNALS AND LIGHTING.
- COMPLETE BINDER COURSE PAVEMENT.

TRAFFIC

- MAINTAIN TWO-LANE TWO WAY TRAFFIC THROUGHOUT THE PROJECT AS SHOWN IN THE PLANS.
- CONSTRUCTION AT INTERSECTIONS AND DRIVEWAYS SHALL BE STAGED SO THAT TRAFFIC IS MAINTAINED.
- MAINTAIN DRIVEWAY ACCESS ACROSS THE WORK ZONE USING AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS.
- BICYCLE AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ON EAST AND WEST SIDE SIDEWALK AND PATH.

STAGE 5

CONSTRUCTION

- ESTABLISH FINAL LANE CONFIGURATIONS WITH TEMPORARY PAVEMENT MARKINGS.
- COMPLETE ELECTRICAL WORK FOR SIGNALS AND LIGHTING.
- COMPLETE LANDSCAPING.
- COMPLETE SURFACE COURSE PAVEMENT.
- COMPLETE MEDIANS ON PLUM GROVE ROAD AND WOODFIELD ROAD.
- COMPLETE FINAL STRIPING.

TRAFFIC

- UTILIZE LANE CLOSURES AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701101, 701106, 701427, 701606, 701611 AND 701701.
- BICYCLE AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ON EAST AND WEST SIDE SIDEWALK AND PATH.

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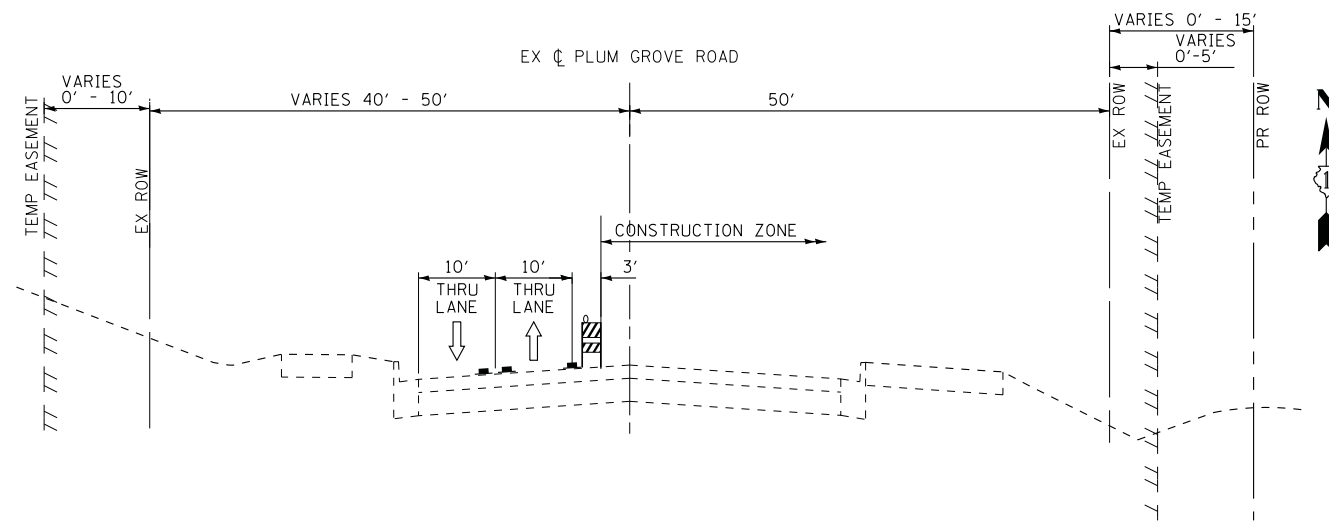
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DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING GENERAL NOTES

SCALE: NONE

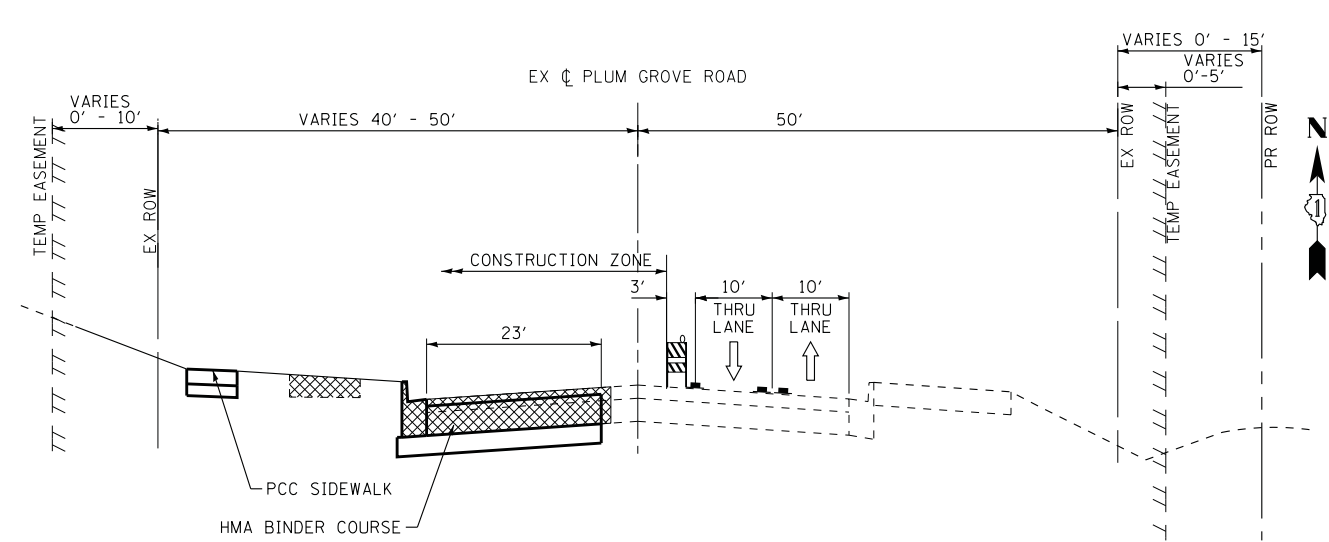
STA. TO STA.

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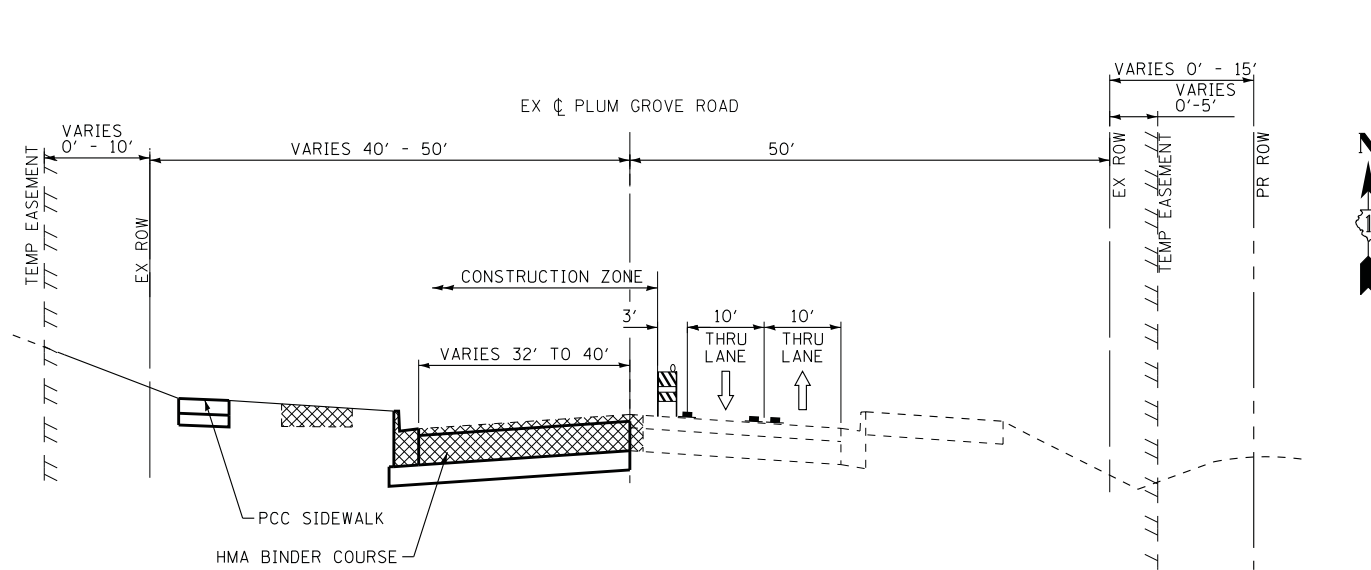
STAGE 1 TYPICAL SECTION

PLUM GROVE ROAD
STA 17+95 TO STA 44+15



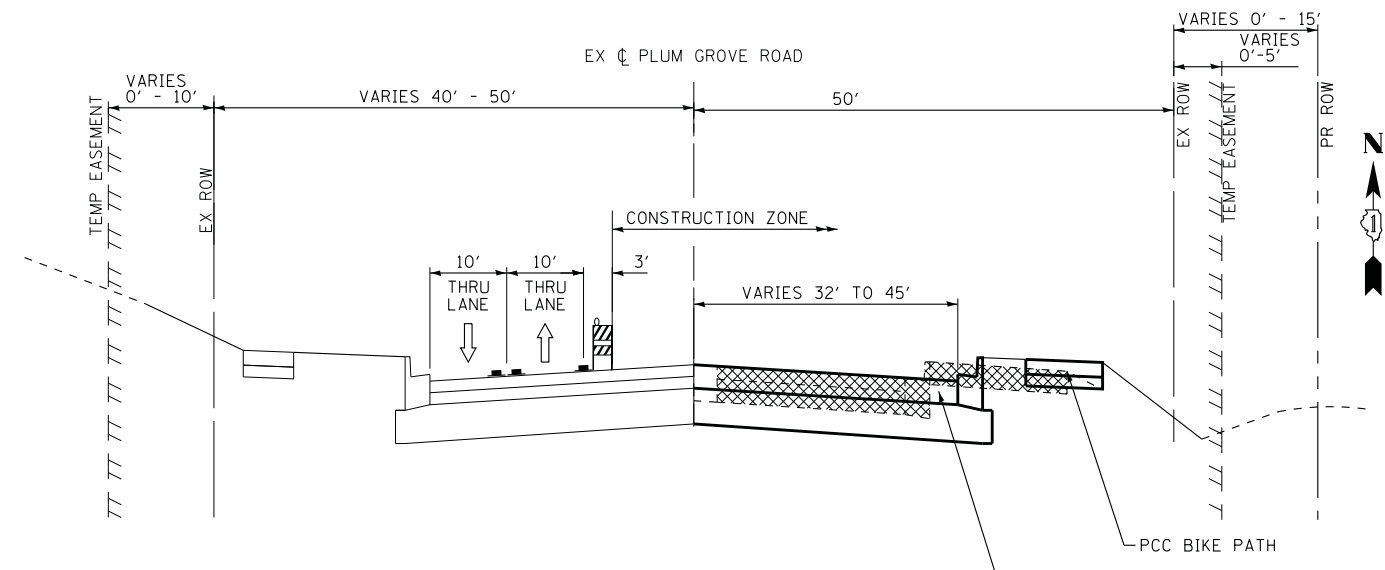
STAGE 2 TYPICAL SECTION

PLUM GROVE ROAD
STA 19+21 TO STA 44+15



STAGE 2 TYPICAL SECTION

PLUM GROVE ROAD
STA 17+95 TO STA 19+21



STAGE 3 TYPICAL SECTION

PLUM GROVE ROAD
STA 17+94 TO STA 19+21

LEGEND

- DIRECTION OF TRAFFIC
- EXISTING ELEMENTS
- PROPOSED ELEMENTS (PRIOR STAGES)
- PROPOSED ELEMENTS (CURRENT STAGE)
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN, BI-DIRECTIONAL LIGHT
- REMOVAL
- TEMPORARY PAVEMENT MARKINGS

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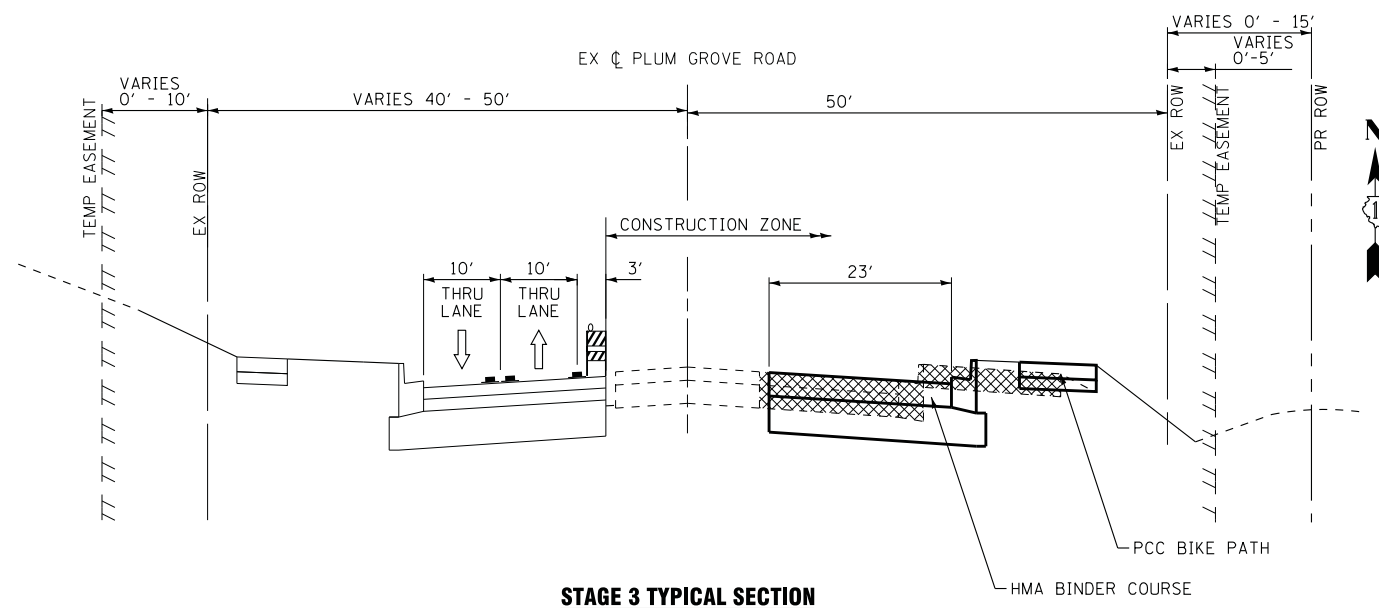
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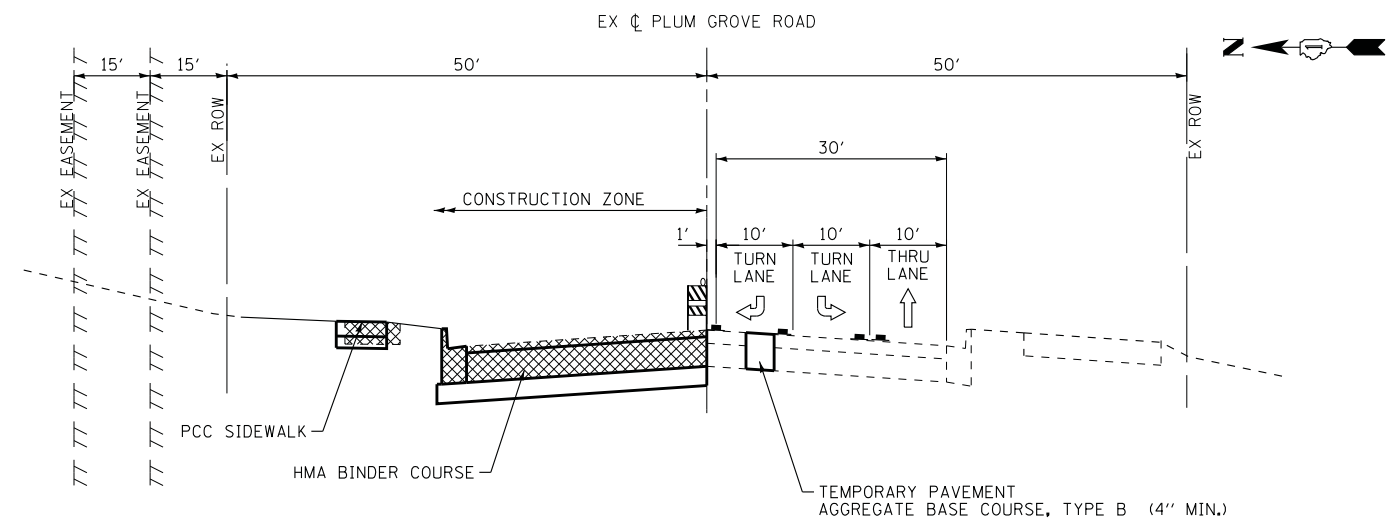
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TYPICAL SECTIONS**

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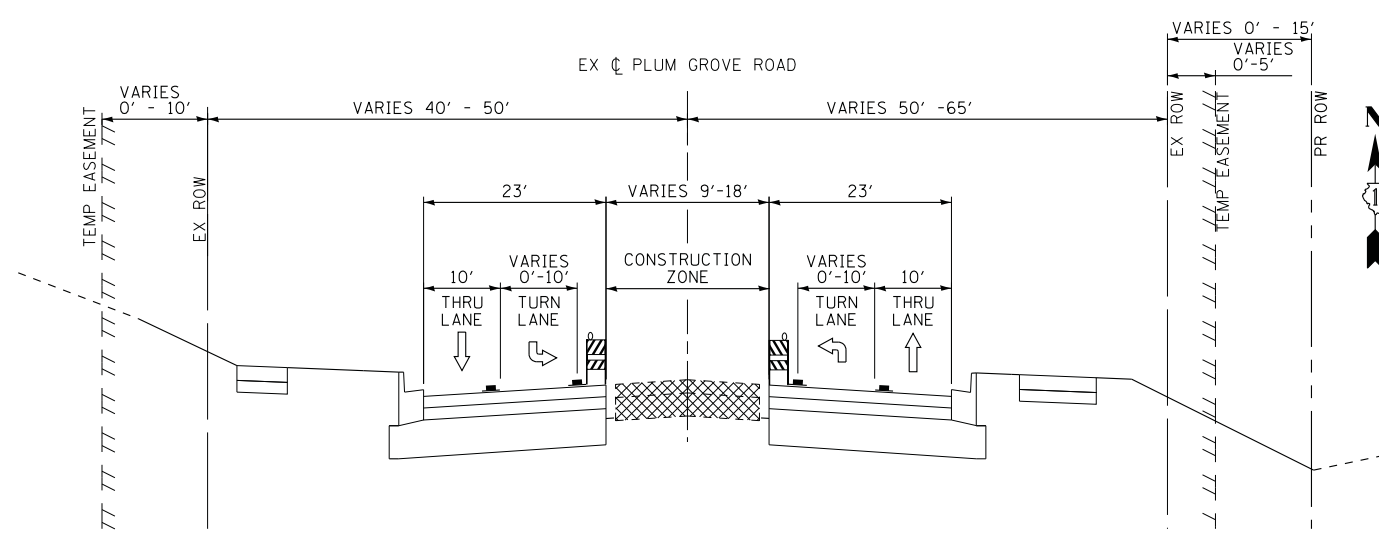
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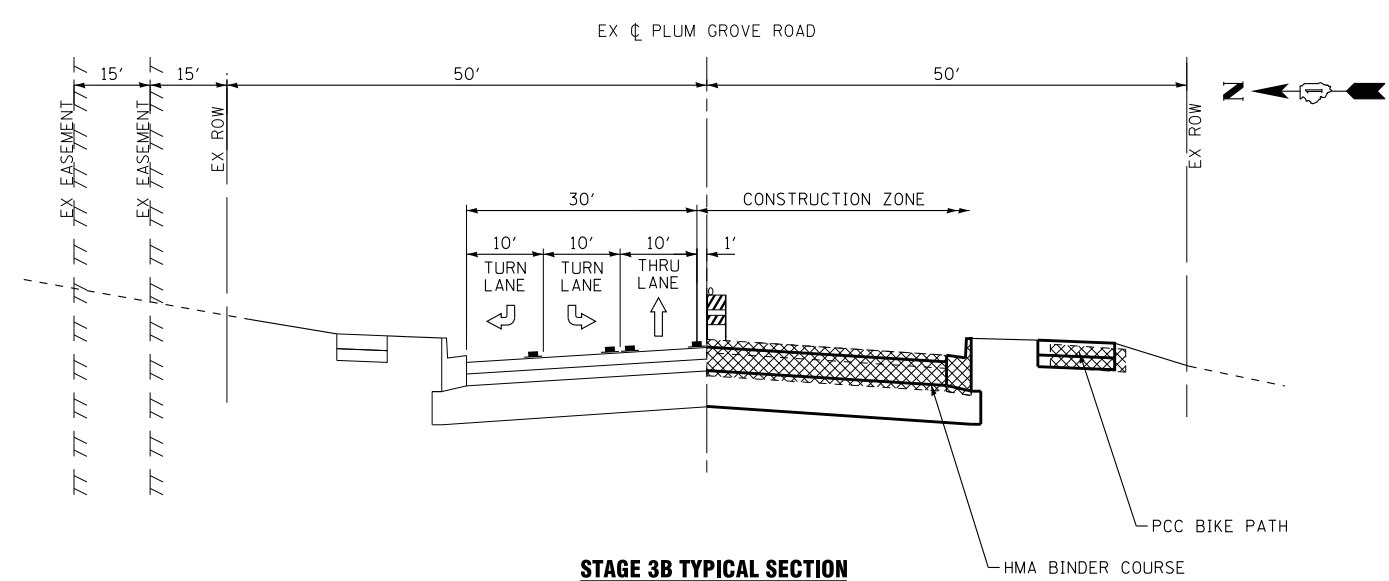
STAGE 3 TYPICAL SECTION
 PLUM GROVE ROAD
 STA 19+21 TO STA 44+15



STAGE 3A TYPICAL SECTION
 WOODFIELD ROAD
 STA 99+80 TO STA 100+31



STAGE 4 TYPICAL SECTION
 PLUM GROVE ROAD
 STA 19+21 TO STA 44+15



STAGE 3B TYPICAL SECTION
 WOODFIELD ROAD
 STA 99+80 TO STA 100+31

LEGEND

- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN, BI-DIRECTIONAL LIGHT
- EXISTING ELEMENTS
- PROPOSED ELEMENTS (PRIOR STAGES)
- PROPOSED ELEMENTS (CURRENT STAGE)
- TEMPORARY PAVEMENT MARKINGS
- REMOVAL

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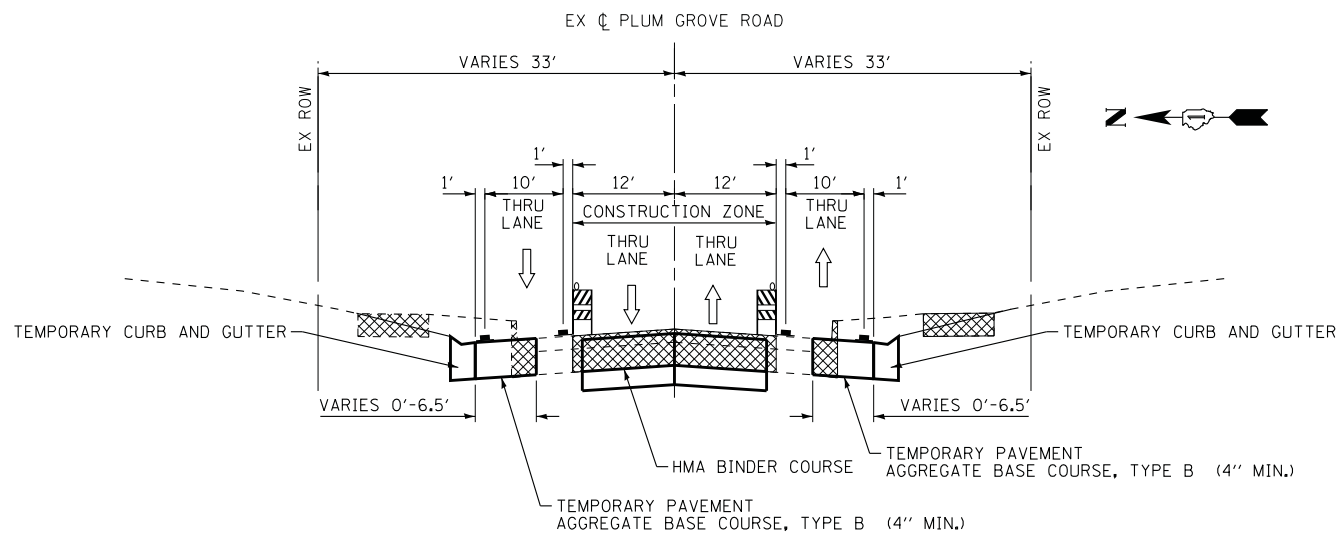
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**SUGGESTED MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS**

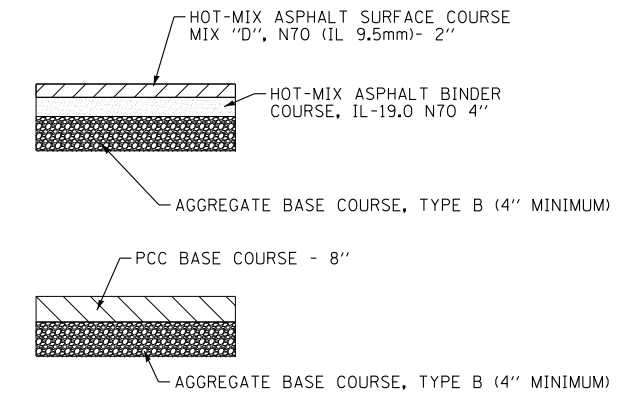
SCALE: TO STA. TO STA.

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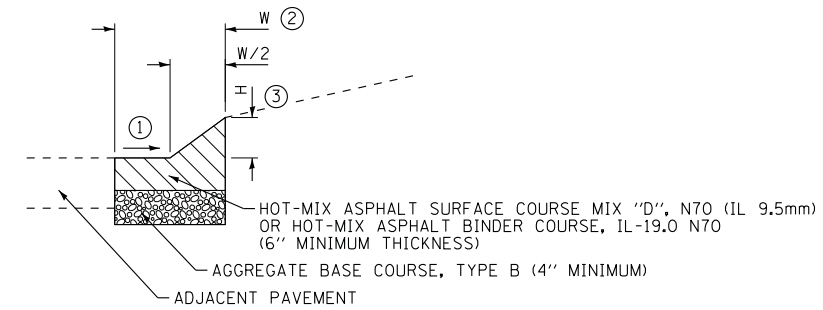


STAGE 3A TYPICAL SECTION

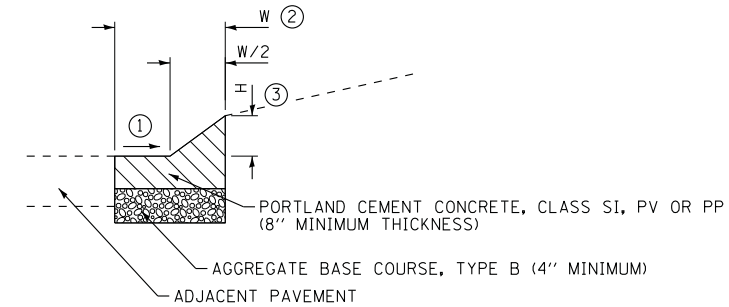
AMERICAN LANE
STA 119+81 TO STA 120+97



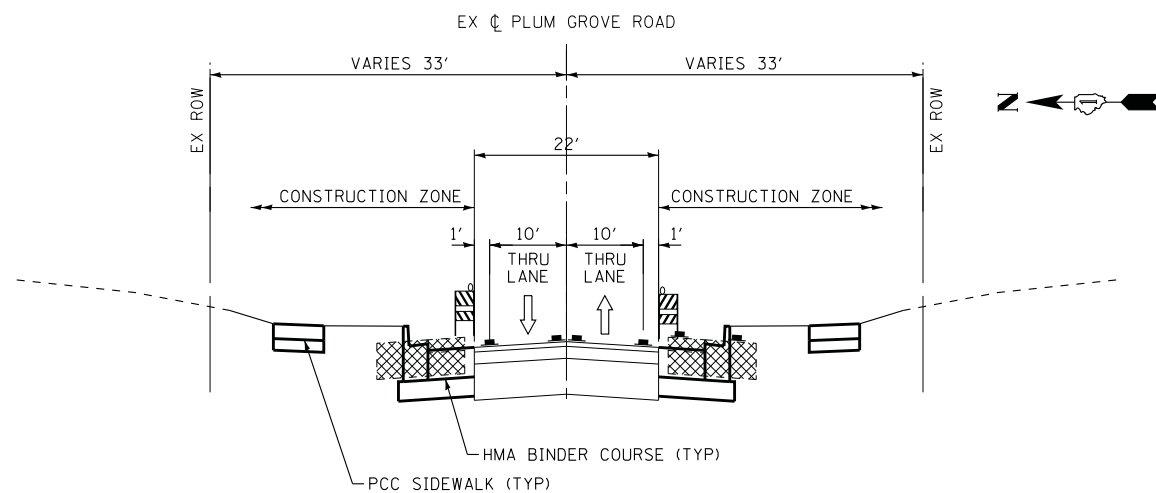
TEMPORARY PAVEMENT
(CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT)



- ① MATCH SLOPE OF ADJACENT PAVEMENT
- ② W = WIDTH OF ADJACENT CURB AND GUTTER (MINIMUM) EXCEPT WHERE GREATER WIDTH IS NECESSARY TO TRANSITION TO DRAINAGE STRUCTURES.
- ③ H = HEIGHT OF ADJACENT CURB UNLESS DEPRESSED CURB IS REQUIRED.

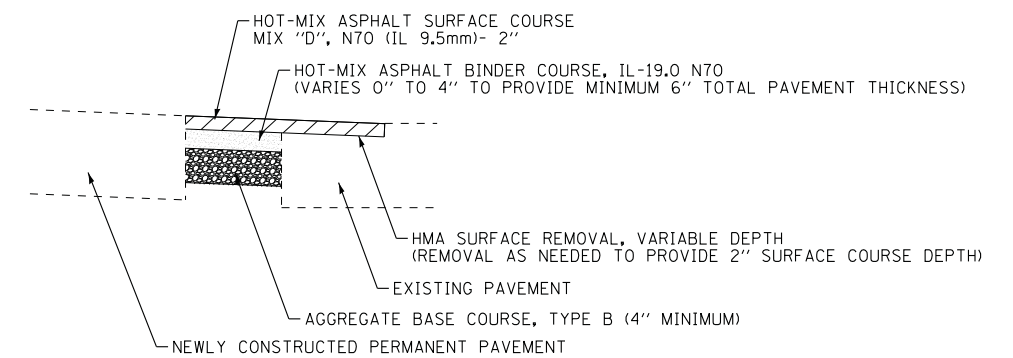


TEMPORARY CURB AND GUTTER
(CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY CURB AND GUTTER)



STAGE 3B TYPICAL SECTION

AMERICAN LANE
STA 119+81 TO STA 120+97



TEMPORARY PAVEMENT (VARIABLE DEPTH)

LEGEND

- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN, BI-DIRECTIONAL LIGHT
- EXISTING ELEMENTS
- PROPOSED ELEMENTS (PRIOR STAGES)
- PROPOSED ELEMENTS (CURRENT STAGE)
- TEMPORARY PAVEMENT MARKINGS
- REMOVAL

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SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

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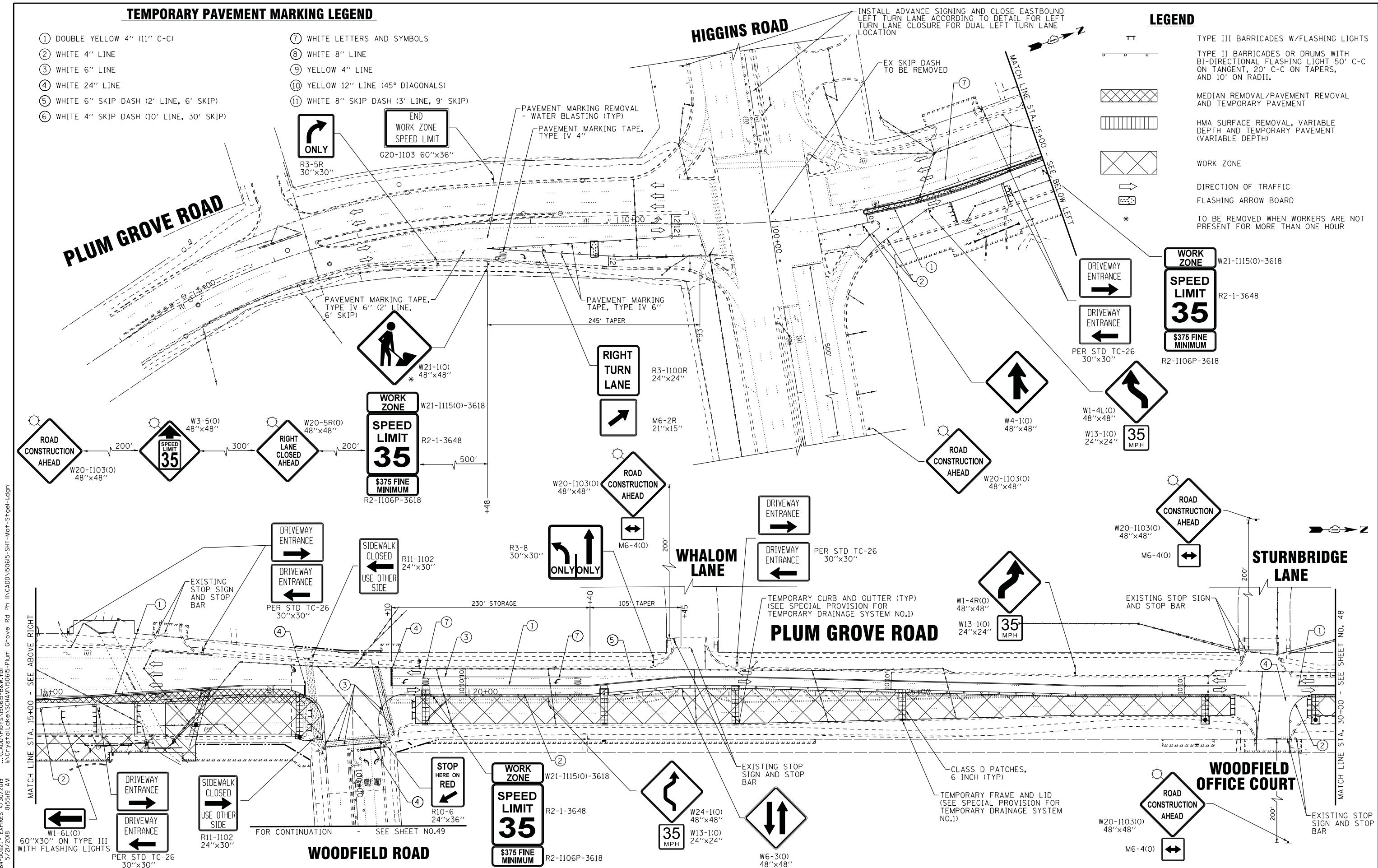
SCALE: STA. TO STA.

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

LEGEND

- TT TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT (VARIABLE DEPTH)
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



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BAXTER & WOODMAN
Consulting Engineers

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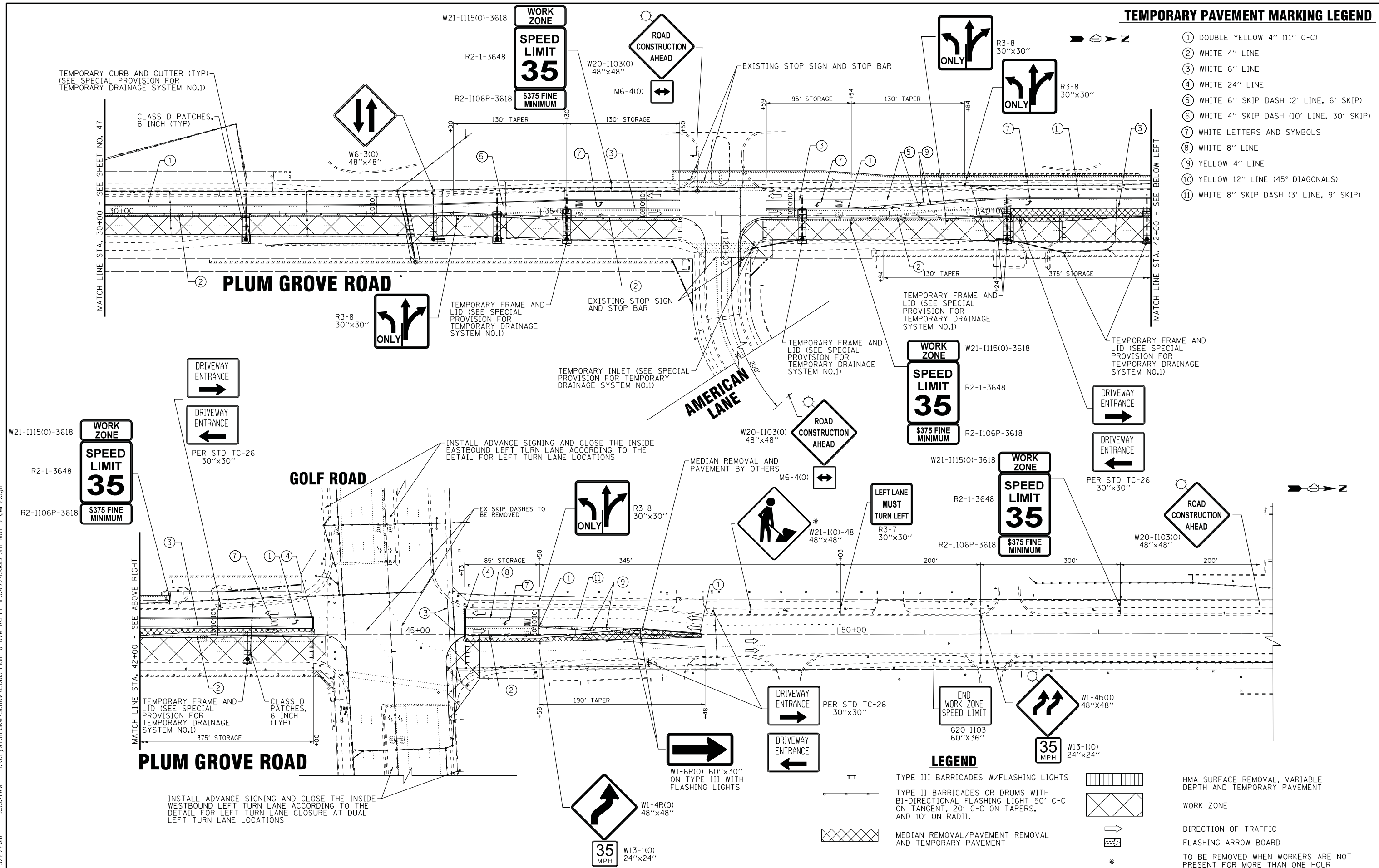
**MAINTENANCE OF TRAFFIC PLAN
PLUM GROVE ROAD - STAGE 1**

SCALE: 1"=50' STA. 13+50 TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	47
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)



LEGEND

- TT TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN
Consulting Engineers

DESIGNED -	DJS	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	LDH	REVISED -	
DATE -	10-9-17	FILE -	150615-SHT-Mot-Stgel-2.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
PLUM GROVE ROAD - STAGE 1**

SCALE: 1"=50'

STA. 30+00 TO STA. 47+00

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	48
				CONTRACT NO. 61E29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

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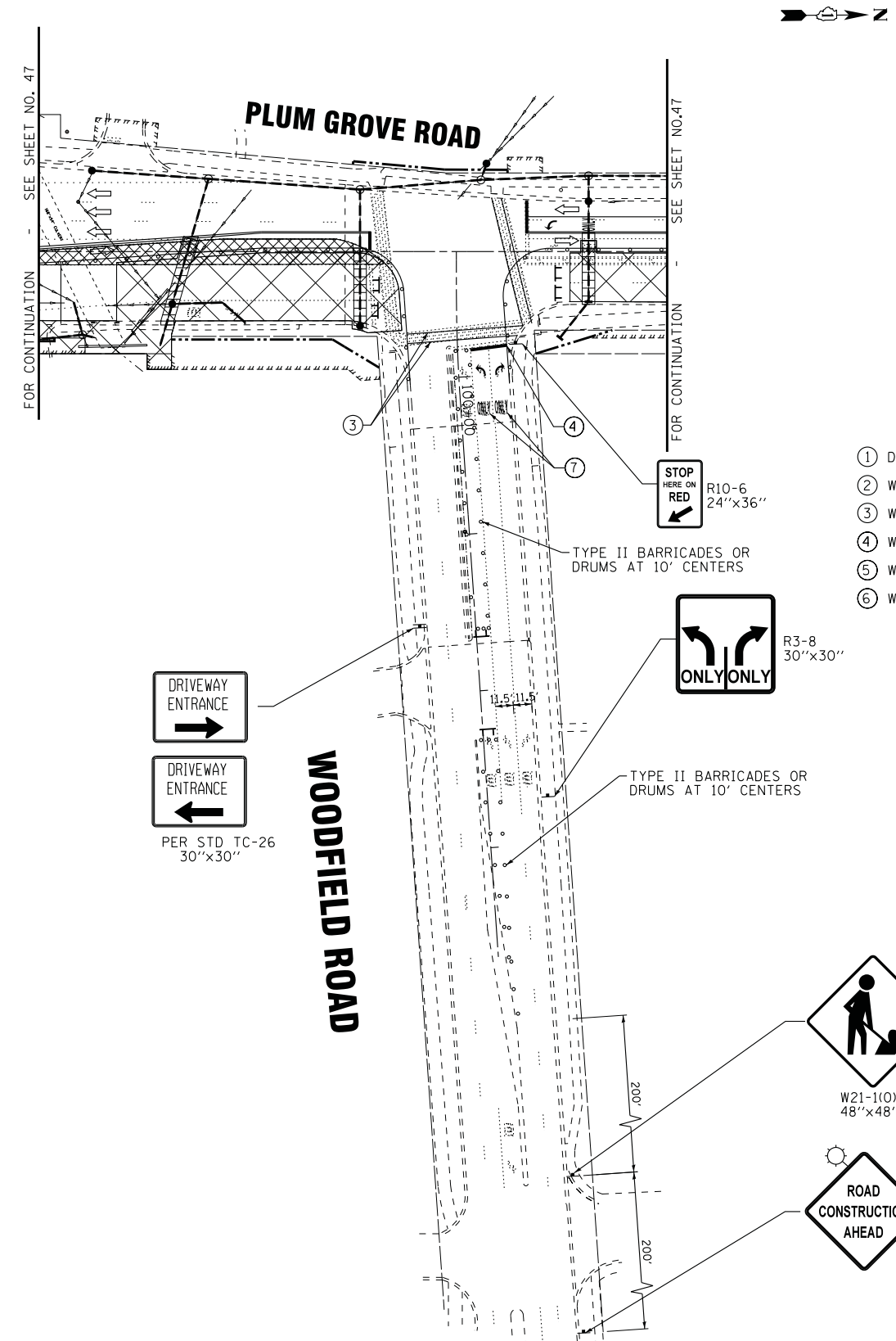
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CHECKED -	LDH	REVISED -	
DATE -	10-9-17	FILE -	150615-SHT-Mot-Stge1-3-Woodfield.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
 PLUM GROVE ROAD AND WOODFIELD ROAD
 STAGE 1**

SCALE: 1"=50' STA. 13+50 TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	49
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	



TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

LEGEND

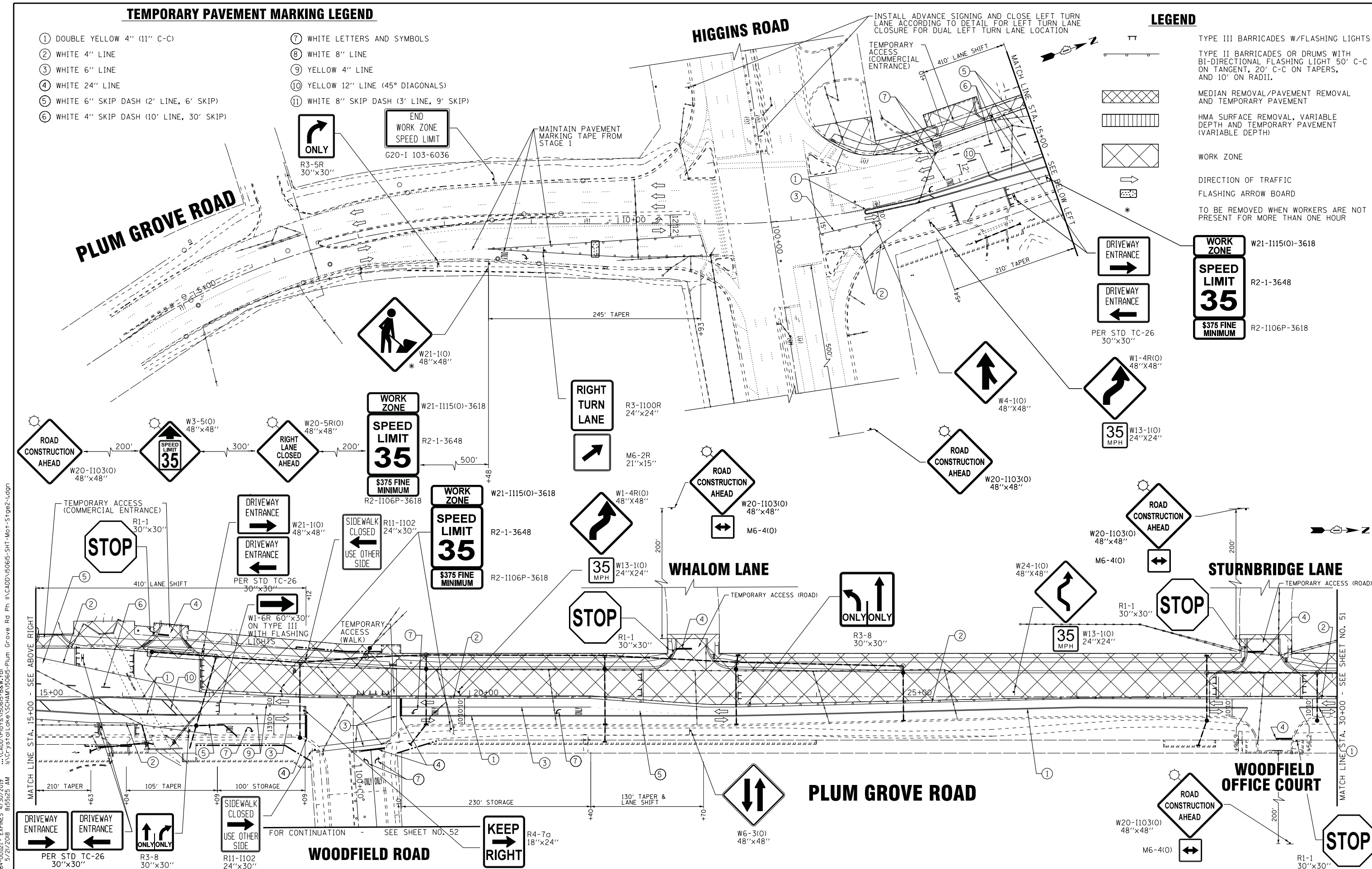
- TT TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- ▨ MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- ▤ HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT
- ▩ WORK ZONE
- DIRECTION OF TRAFFIC
- ⚡ FLASHING ARROW BOARD
- * TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

LEGEND

- TT TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT (VARIABLE DEPTH)
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



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BAXTER & WOODMAN Consulting Engineers	DESIGNED - DJS	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
	DATE - 10-9-17	FILE - 150615-SHT-Mot+Stge2-1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
PLUM GROVE ROAD - STAGE 2

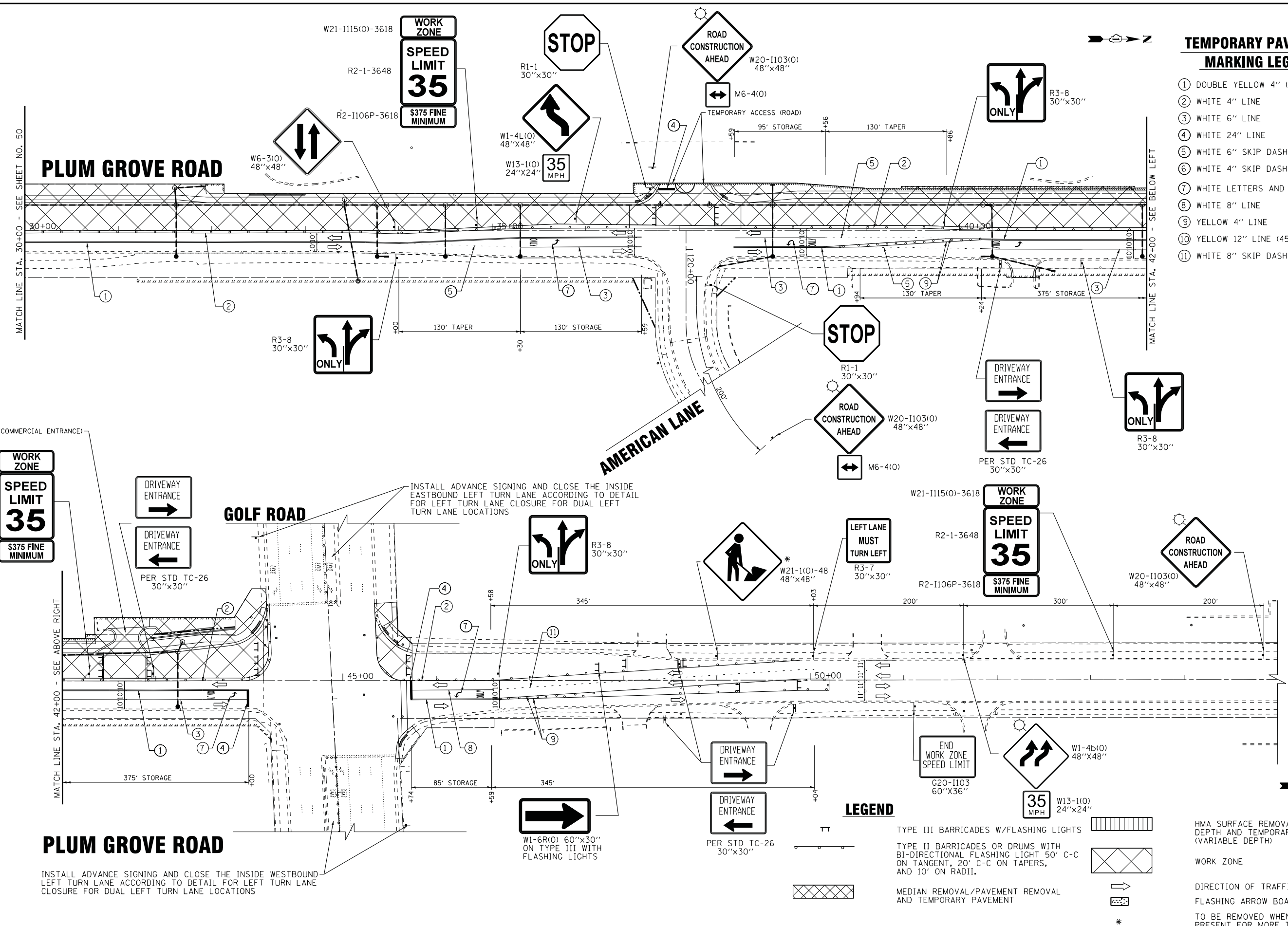
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	50
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

PLUM GROVE ROAD

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)



PLUM GROVE ROAD

INSTALL ADVANCE SIGNING AND CLOSE THE INSIDE WESTBOUND LEFT TURN LANE ACCORDING TO DETAIL FOR LEFT TURN LANE CLOSURE FOR DUAL LEFT TURN LANE LOCATIONS

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT (VARIABLE DEPTH)
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

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DESIGNED -	DJS	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	LDH	REVISED -	
DATE -	10-9-17	FILE -	150615-SHT-Mot-Stge2-2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
PLUM GROVE ROAD - STAGE 2

SCALE: 1"=50'

STA. 30+00 TO STA. 47+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-0015-00-PV	COOK	199	51
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED -	DJS	REVISED -	
DRAWN -	UKB	REVISED -	
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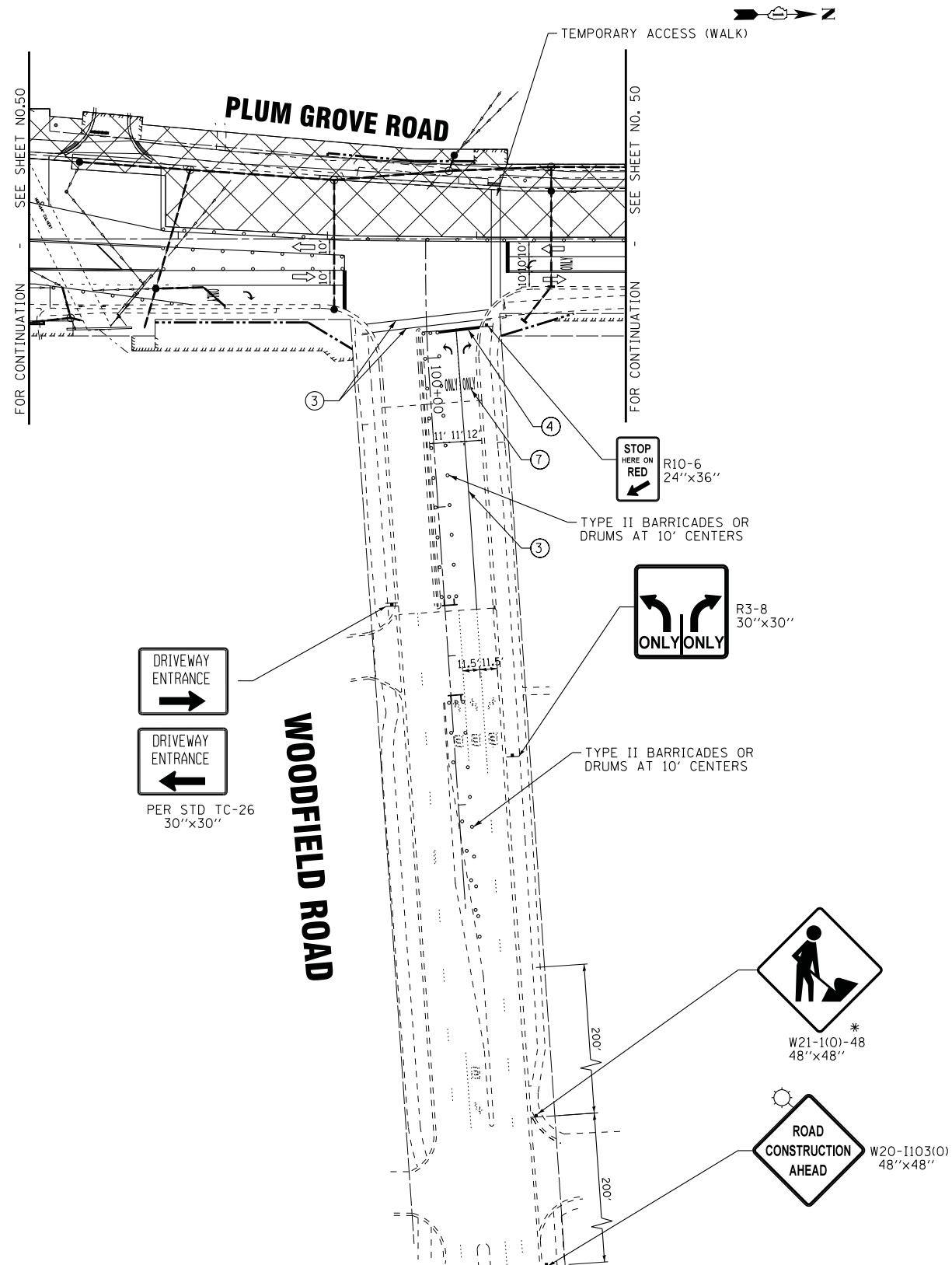
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
 PLUM GROVE ROAD AND WOODFIELD ROAD
 STAGE 2

SCALE: 1"=50'

STA. 13+50 TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	52
			CONTRACT NO. 61E29	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



TEMPORARY PAVEMENT MARKING LEGEND

- | | |
|---|---|
| ① DOUBLE YELLOW 4" (11" C-C) | ⑦ WHITE LETTERS AND SYMBOLS |
| ② WHITE 4" LINE | ⑧ WHITE 8" LINE |
| ③ WHITE 6" LINE | ⑨ YELLOW 4" LINE |
| ④ WHITE 24" LINE | ⑩ YELLOW 12" LINE (45° DIAGONALS) |
| ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP) | ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP) |
| ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP) | |

LEGEND

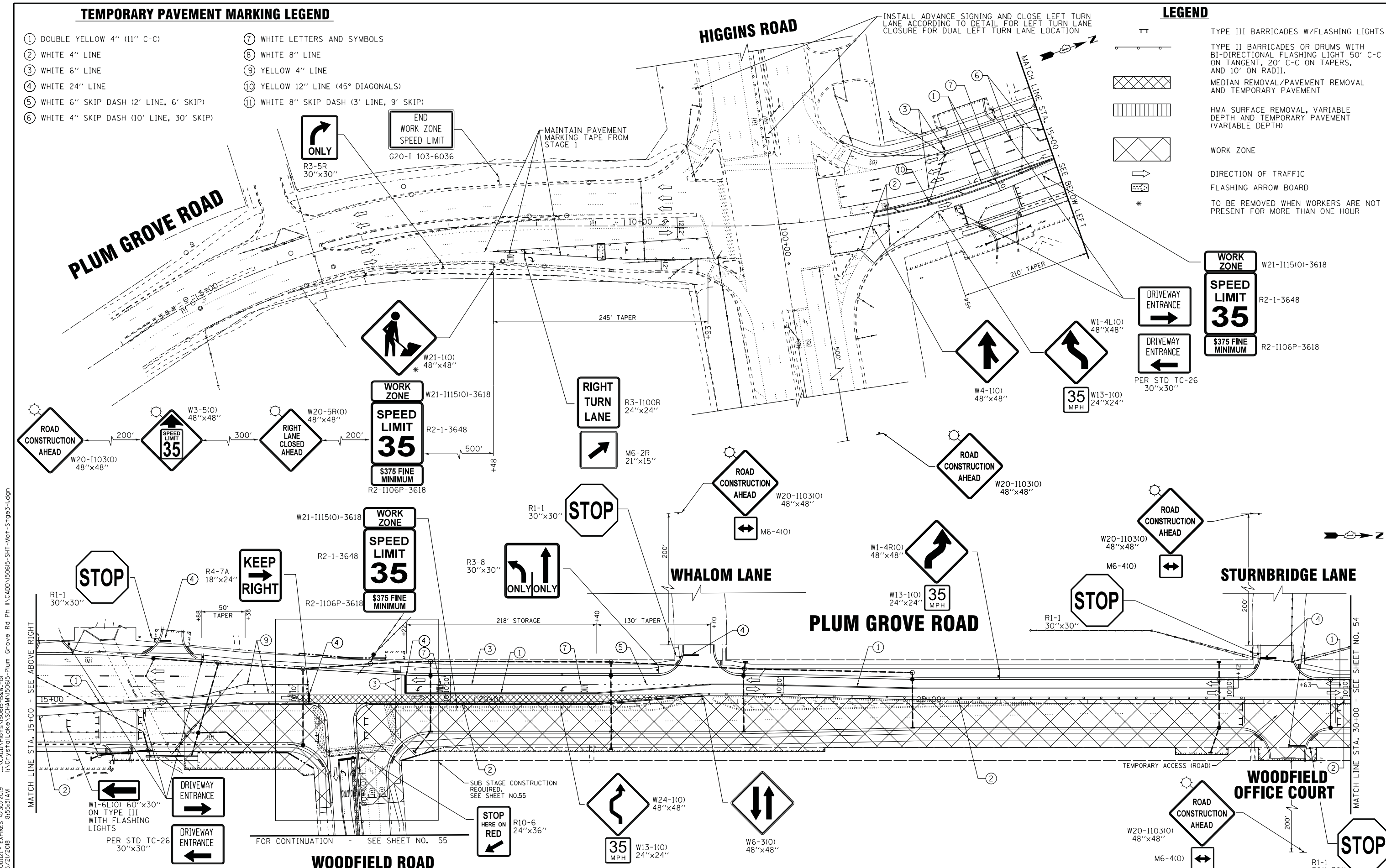
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|---|---|
| | TYPE III BARRICADES W/FLASHING LIGHTS |
| | TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII. |
| | MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT |
| | HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT (VARIABLE DEPTH) |
| | WORK ZONE |
| | DIRECTION OF TRAFFIC |
| | FLASHING ARROW BOARD |
| * | TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR |

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

LEGEND

- TT TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT (VARIABLE DEPTH)
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- * TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - DJS	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
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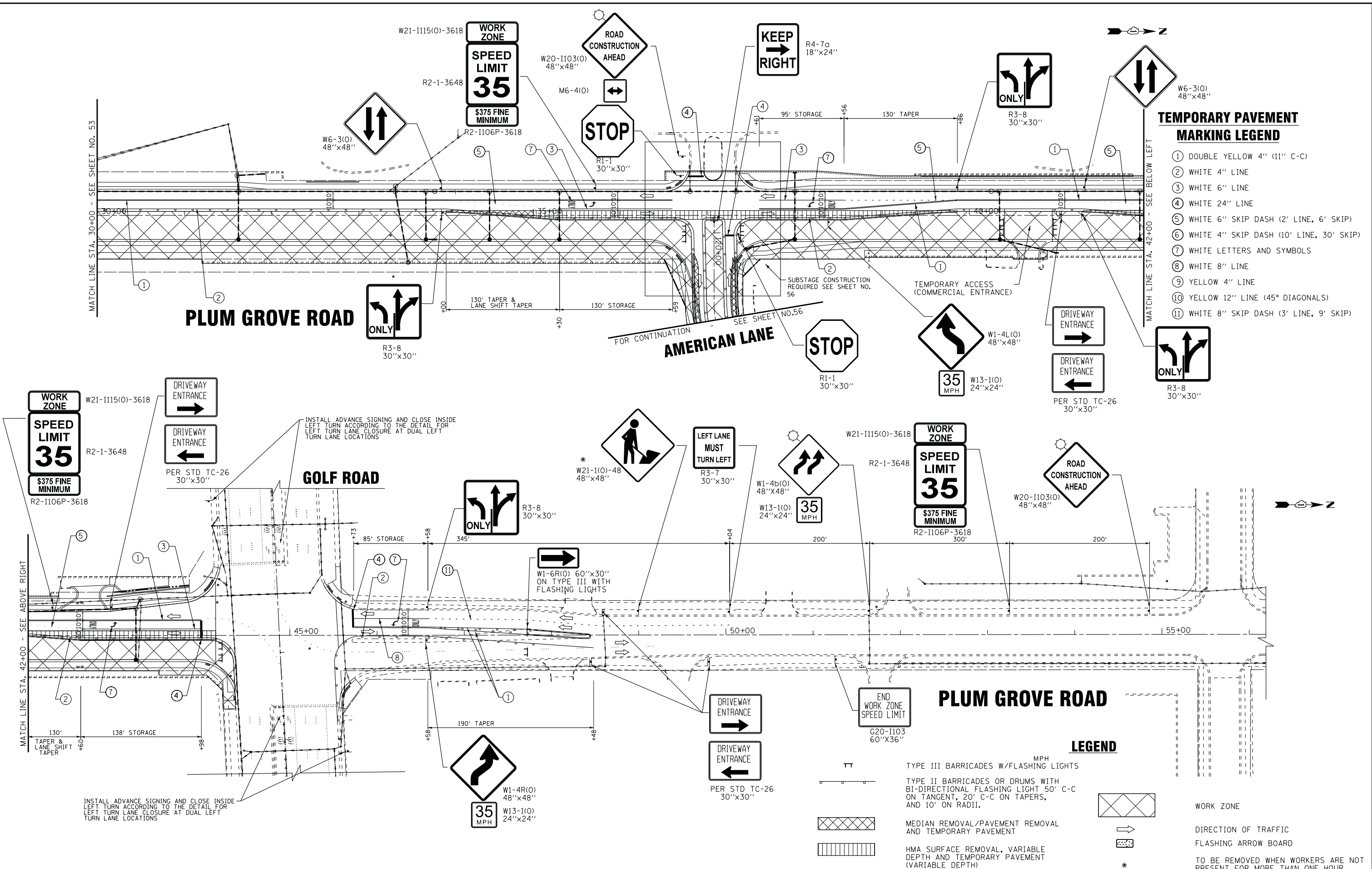
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
PLUM GROVE ROAD - STAGE 3

SCALE: 1"=50' STA. 13+50 TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	53
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

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- TEMPORARY PAVEMENT MARKING LEGEND**
- ① DOUBLE YELLOW 4" (11" C-C)
 - ② WHITE 4" LINE
 - ③ WHITE 6" LINE
 - ④ WHITE 24" LINE
 - ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
 - ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
 - ⑦ WHITE LETTERS AND SYMBOLS
 - ⑧ WHITE 8" LINE
 - ⑨ YELLOW 4" LINE
 - ⑩ YELLOW 12" LINE (45° DIAGONALS)
 - ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

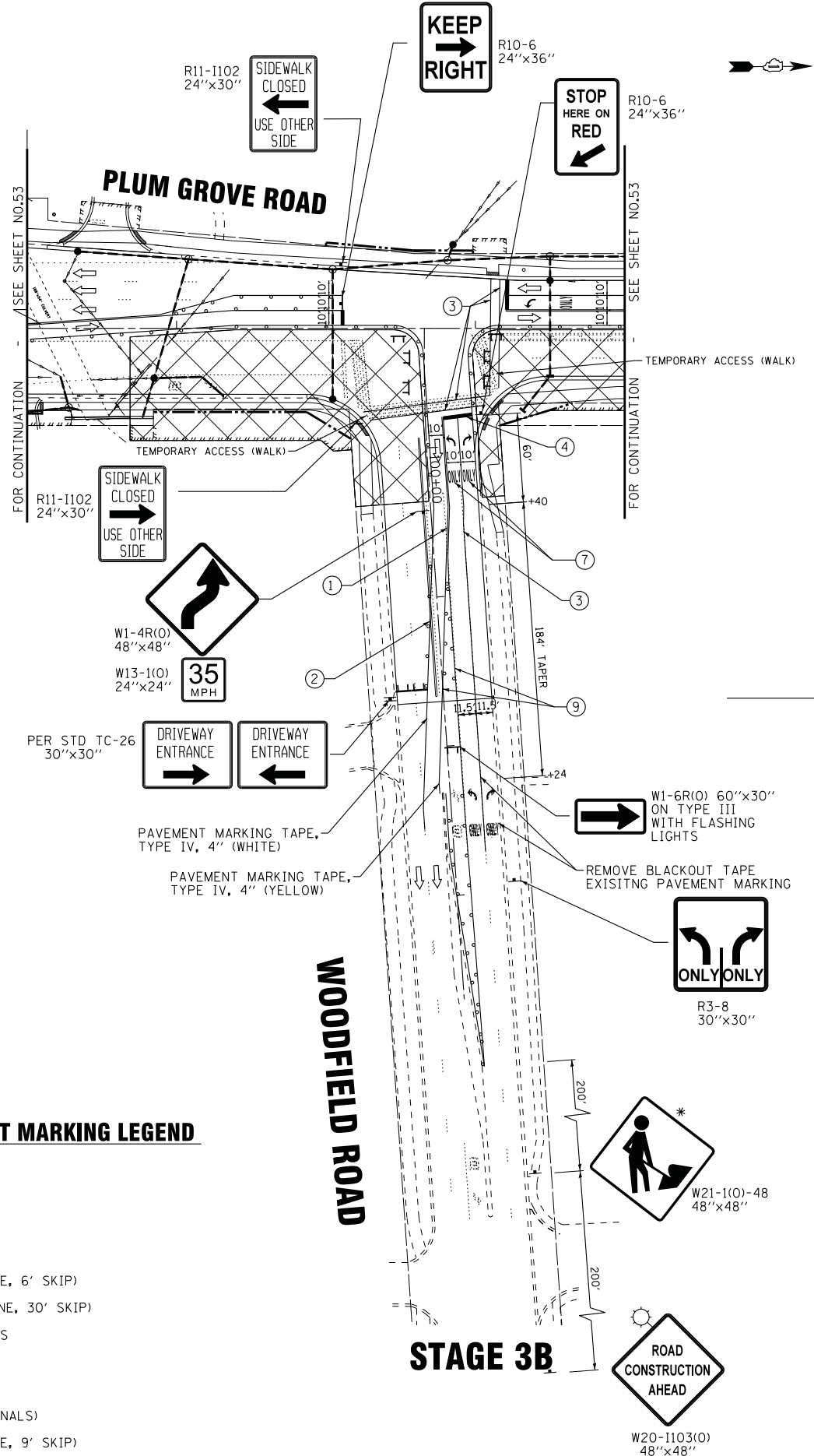
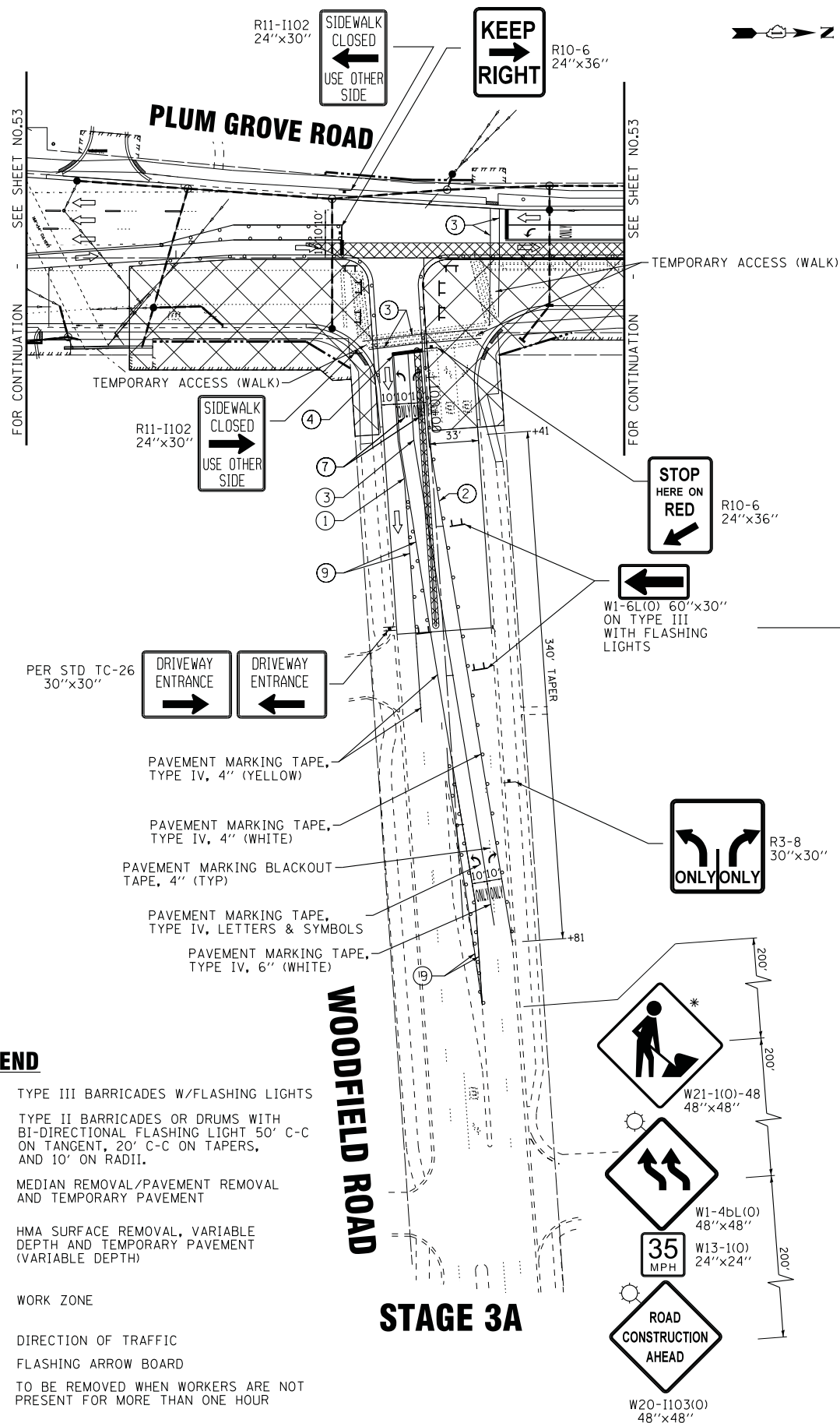
- LEGEND**
- TT MPH TYPE III BARRICADES W/FLASHING LIGHTS
 - TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
 - ▨ MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
 - ▨ HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT (VARIABLE DEPTH)
 - DIRECTION OF TRAFFIC
 - ⬇️ FLASHING ARROW BOARD
 - * TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

DESIGNED -	DJS	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	LDH	REVISED -	
DATE -	10-9-17	FILE -	150615-SHT-Mot-Stge3-2.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
 PLUM GROVE ROAD AND AMERICAN LANE STAGE 3**

SCALE: 1"=50'	STA. 30+00	TO STA. 49+00	F.A.U. R.T.E. 2582	SECTION 14-00115-00-PV	COUNTY COOK	TOTAL SHEETS 199	SHEET NO. 54
			CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16							



LEGEND

- TT TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT (VARIABLE DEPTH)
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- * TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

BAXTER & WOODMAN
Consulting Engineers

DESIGNED -	DJS	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	LDH	REVISED -	
DATE	10-9-17	FILE	150615-SHT-Mot-Stge3A-3B-Woodfield.dgn

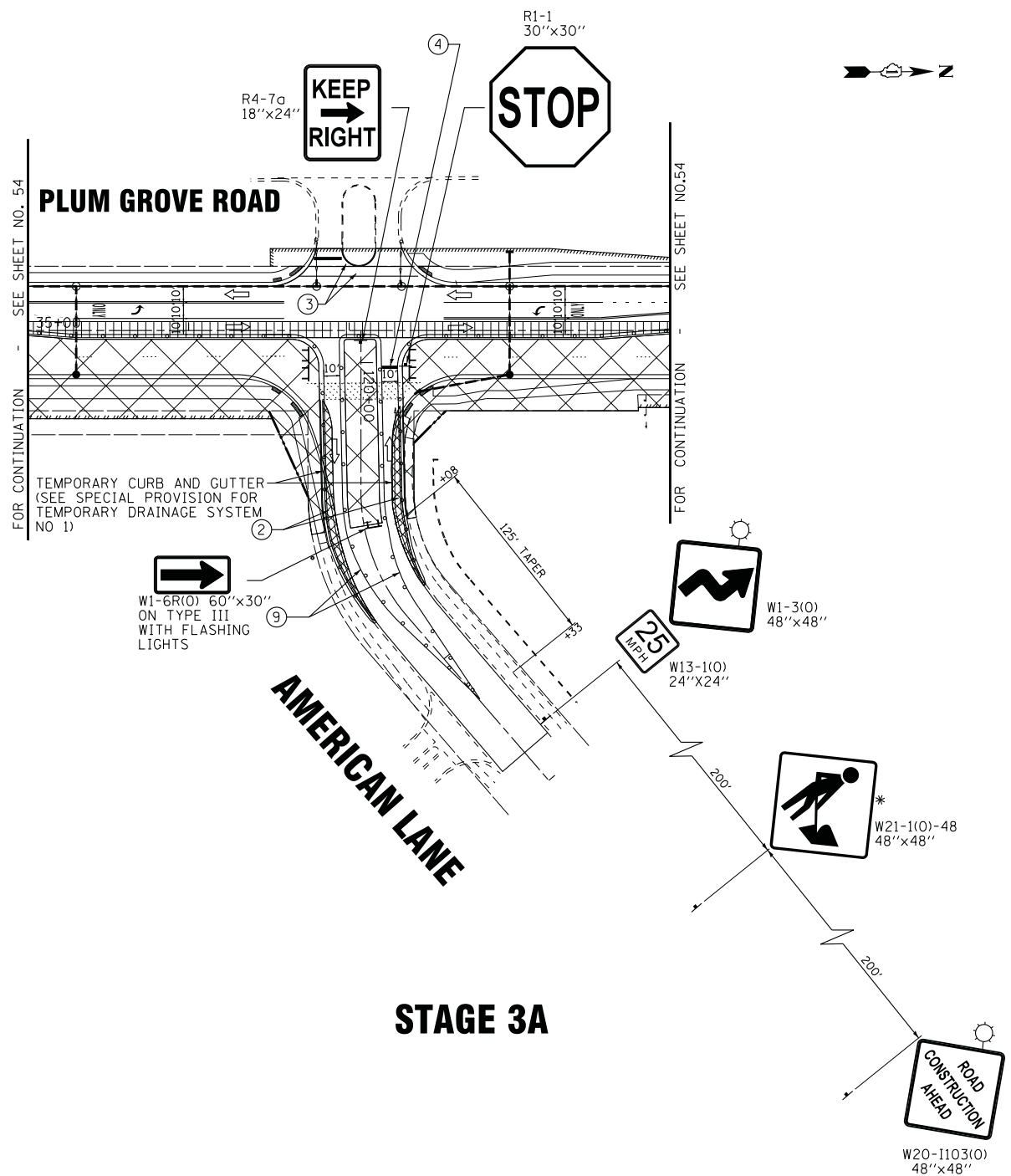
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
PLUM GROVE ROAD AND WOODFIELD ROAD
STAGE 3A AND 3B

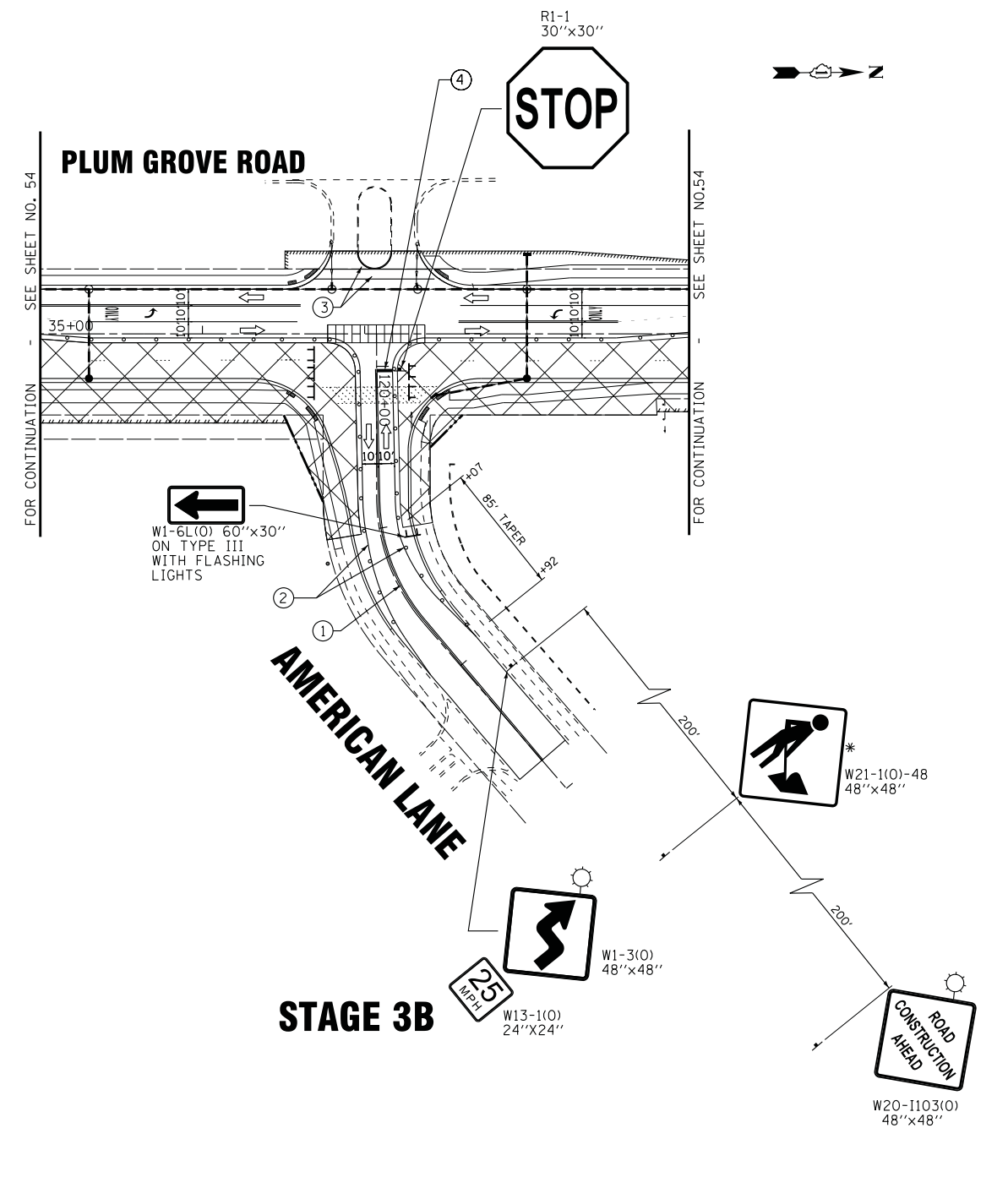
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F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	55
CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT C-91-060-16	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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STAGE 3A



STAGE 3B

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT (VARIABLE DEPTH)
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- * TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - DJS	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
	DATE - 10-9-17	FILE - 150615-SHT-Mot-Stge3A-3B-American.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
PLUM GROVE ROAD AND AMERICAN LANE
STAGE 3A AND 3B

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	56
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

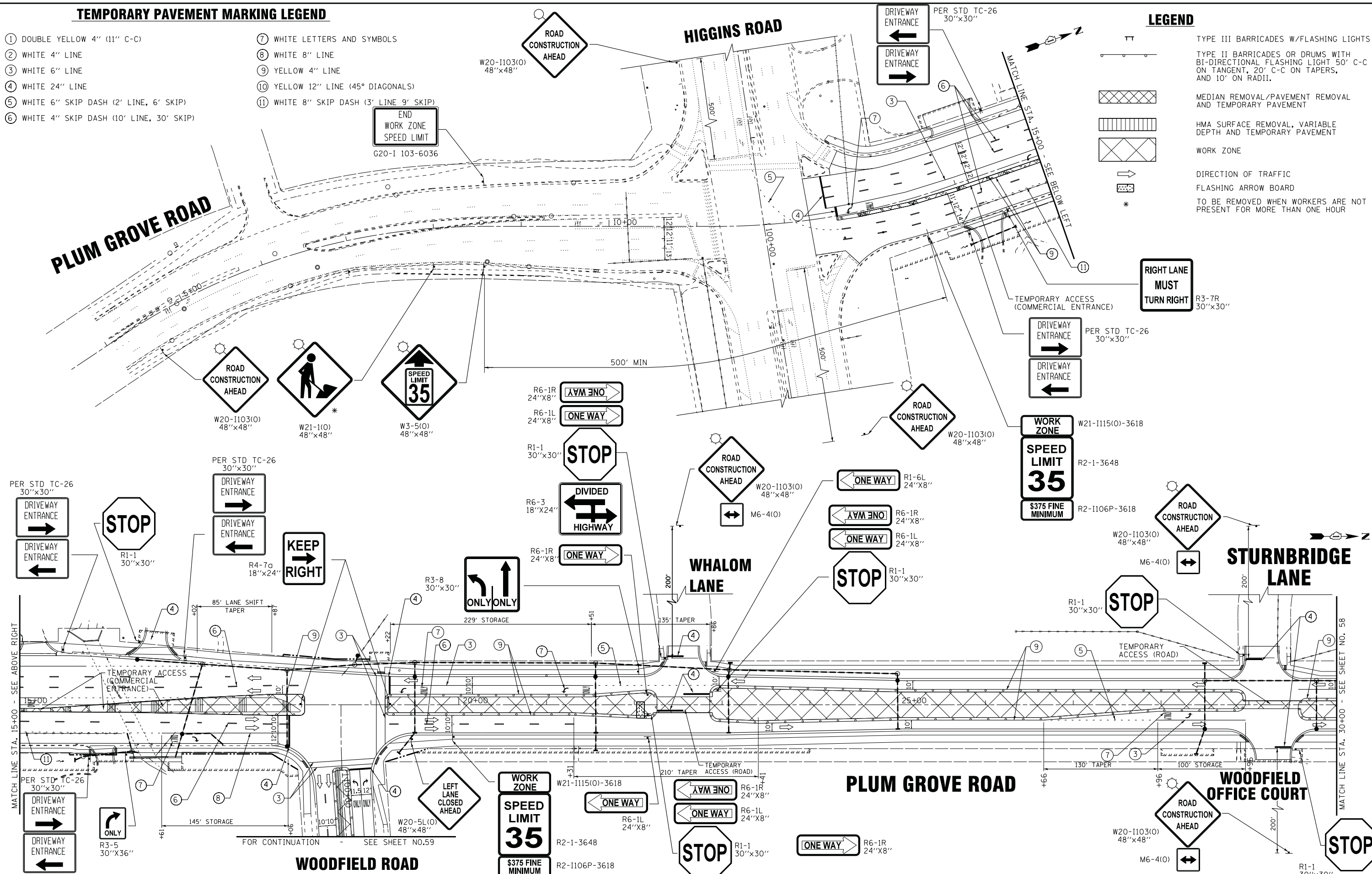
SCALE: 1"=50' STA. 120+00 TO STA. 123+00

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE 9' SKIP)

LEGEND

- TT TYPE III BARRICADES W/FLASHING LIGHTS
- [Symbol] TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50" C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- [Symbol] MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- [Symbol] HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT
- [Symbol] WORK ZONE
- [Symbol] DIRECTION OF TRAFFIC
- [Symbol] FLASHING ARROW BOARD
- [Symbol] * TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



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BAXTER & WOODMAN
Consulting Engineers

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DRAWN -	UKB	REVISED -	
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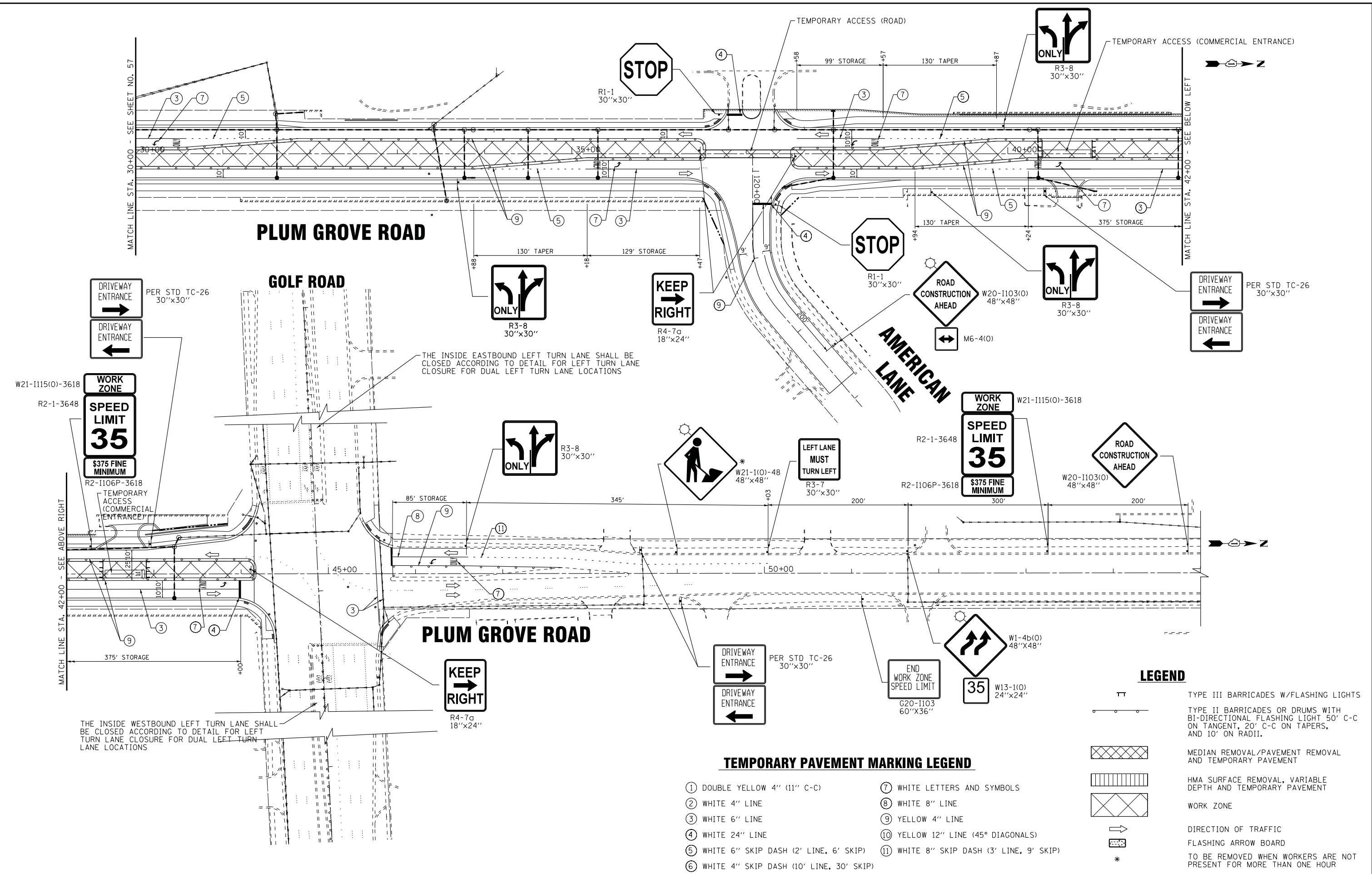
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC PLAN
PLUM GROVE ROAD - STAGE 4**

SCALE: 1"=50' STA. 13+50 TO STA. 30+00

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	57
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT C-91-060-16				

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DRIVEWAY ENTRANCE
 DRIVEWAY ENTRANCE
 PER STD TC-26
 30"x30"

W21-1115(O)-3618
 R2-1-3648
WORK ZONE
SPEED LIMIT 35
 \$375 FINE MINIMUM

R2-1106P-3618
 TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

THE INSIDE WESTBOUND LEFT TURN LANE SHALL BE CLOSED ACCORDING TO DETAIL FOR LEFT TURN LANE CLOSURE FOR DUAL LEFT TURN LANE LOCATIONS

THE INSIDE EASTBOUND LEFT TURN LANE SHALL BE CLOSED ACCORDING TO DETAIL FOR LEFT TURN LANE CLOSURE FOR DUAL LEFT TURN LANE LOCATIONS

DRIVEWAY ENTRANCE
 DRIVEWAY ENTRANCE
 PER STD TC-26
 30"x30"

END WORK ZONE
 SPEED LIMIT
 G20-1103
 60"x36"

W1-4b(O)
 48"x48"
35
 W13-1(O)
 24"x24"

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- * TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

BAXTER & WOODMAN
 Consulting Engineers

DESIGNED -	DJS	REVISED -	
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DATE -	10-9-17	FILE -	150615-SHT-Mot-Stge4-2.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
 PLUM GROVE ROAD AND AMERICAN LANE STAGE 4
 SCALE: 1"=50'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	58
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

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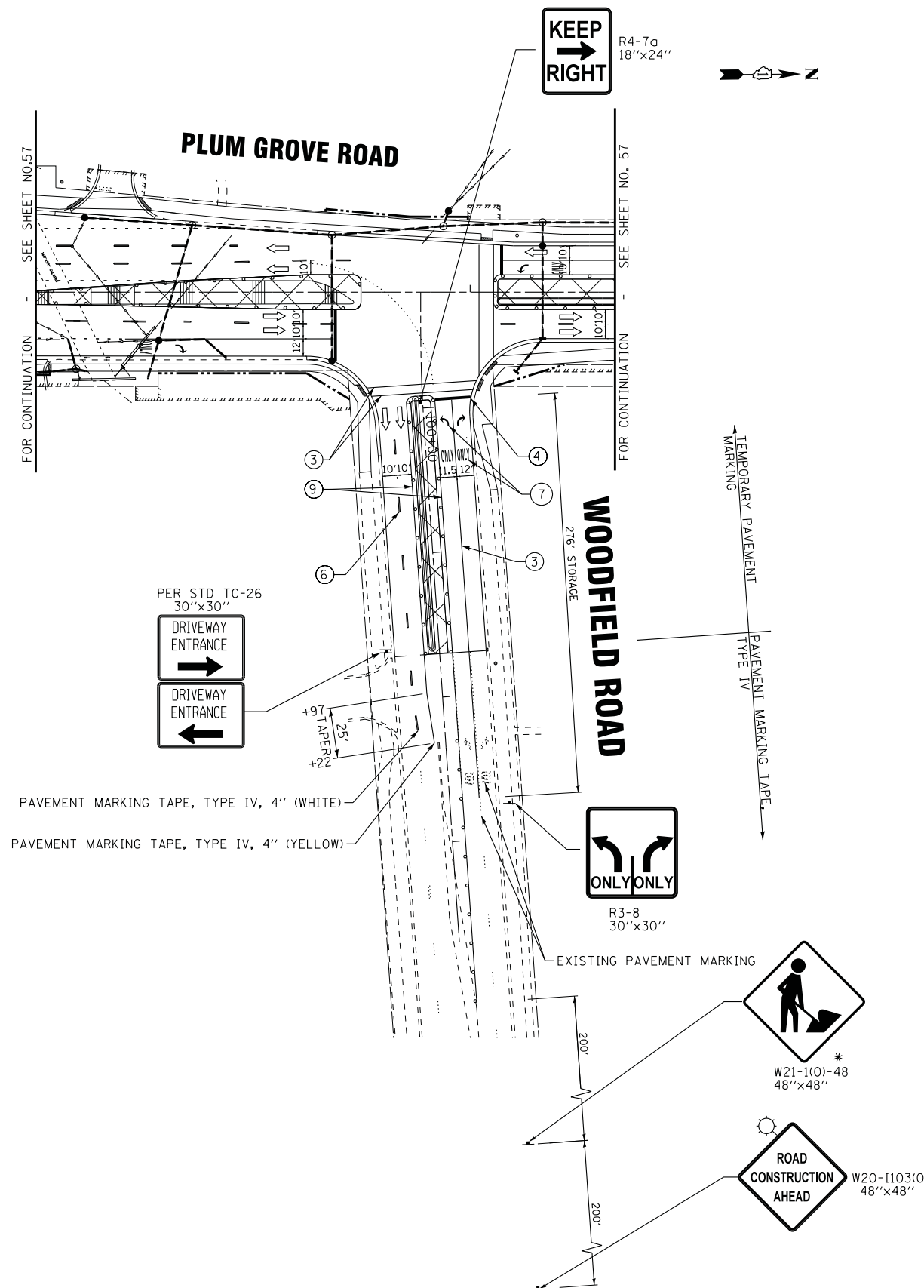
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC PLAN
 PLUM GROVE ROAD AND WOODFIELD ROAD
 STAGE 4**

SCALE: 1"=50'

STA. 13+50 TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	59
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	



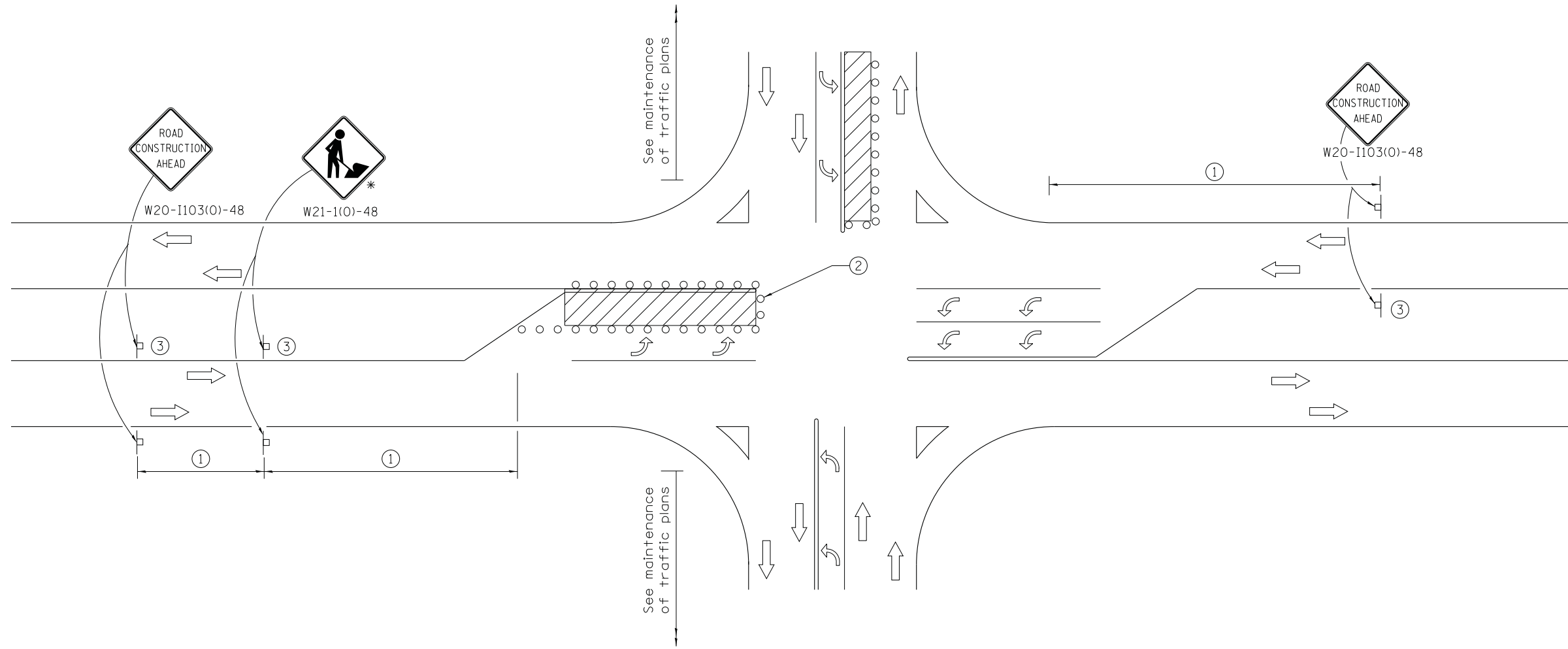
TEMPORARY PAVEMENT MARKING LEGEND

- ① DOUBLE YELLOW 4" (11" C-C)
- ② WHITE 4" LINE
- ③ WHITE 6" LINE
- ④ WHITE 24" LINE
- ⑤ WHITE 6" SKIP DASH (2' LINE, 6' SKIP)
- ⑥ WHITE 4" SKIP DASH (10' LINE, 30' SKIP)
- ⑦ WHITE LETTERS AND SYMBOLS
- ⑧ WHITE 8" LINE
- ⑨ YELLOW 4" LINE
- ⑩ YELLOW 12" LINE (45° DIAGONALS)
- ⑪ WHITE 8" SKIP DASH (3' LINE, 9' SKIP)

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 10' ON RADII.
- MEDIAN REMOVAL/PAVEMENT REMOVAL AND TEMPORARY PAVEMENT
- HMA SURFACE REMOVAL, VARIABLE DEPTH AND TEMPORARY PAVEMENT
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- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- * TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

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SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

NOTES

- ① Refer to SIGN SPACING TABLE for distance.
- ② Type II barricades or drums at 10' centers.
- ③ Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.

SYMBOLS

- Work area
- Type II barricade or drum with bi-directional flashing light
- Sign on portable or permanent support
- * To be removed when workers are not present for more than one hour



DESIGNED - JCC	REVISED -
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DATE - 10-9-17	FILE - 150615-SHT-Mot-LftTurn Line Closure Detail.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LEFT TURN LANE CLOSURE FOR
 DUAL LEFT TURN LANE LOCATIONS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	61
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

MAINTENANCE SCHEDULE

1. SILT FENCE - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL SILT FENCE WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE SILT FENCE FUNCTIONAL AS DESIGNED.
2. EROSION BLANKET - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL EROSION BLANKET WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE EROSION BLANKET FUNCTIONAL AS DESIGNED.
3. INLET FILTERS - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL INLET FILTERS WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE INLET FILTERS FUNCTIONAL AS DESIGNED.
4. THE EROSION CONTROL QUANTITIES PROVIDED IN THE PLANS ARE APPROXIMATE. THE ACTUAL NEED FOR QUANTITIES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

HEADWALL SUGGESTED CONSTRUCTION SEQUENCING

1. INSTALL SEDIMENT AND EROSION CONTROL SYSTEMS.
2. INSTALL COFFERDAMS.
3. REMOVE EXISTING HEADWALL WITHOUT IMPACT OR DEBRIS ENTERING THE EXISTING WATERWAY.
4. CONSTRUCT NEW HEADWALL AND INSTALL RIPRAP.
5. REMOVE COFFERDAMS.
6. COMPLETE SIDEWALK CONSTRUCTION.
7. COMPLETE RESTORATION OF ALL DISTURBED AREAS.
8. REMOVE EROSION CONTROL MEASURES.

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
4. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 4H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH MAT OR BLANKET IN COMBINATION WITH SEEDING.
5. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
7. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR OF EROSION CONTROL MEASURES.
8. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE). DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.
9. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE NORTH COOK COUNTY SOIL AND WATER CONSERVATION DISTRICT (SWCD), ENGINEER, OR LOCAL AGENCY.
10. THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH NORTH COOK COUNTY SWCD AND OTHER INTERESTED REGULATORY AGENCIES AND OFFICIALS PRIOR TO CONSTRUCTION.
11. THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS FROM THE U.S. ARMY CORPS OF ENGINEERS, NORTH COOK COUNTY SWCD, AND VILLAGE OF SCHAUMBURG.
12. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL.
13. ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH RAIN EVENT RESULTING IN RUNOFF FROM THE SITE.
14. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS.
15. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF MATERIALS NECESSARY FOR THE CONSTRUCTION OF COFFERDAMS. ALL MATERIALS FOR COFFERDAMS MUST BE NON-ERODABLE. THE COFFERDAMS MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. ONCE THE COFFERDAMS ARE IN PLACE AND ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
16. IF BYPASS PUMPING IS NECESSARY, THE PUMP SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM BEING SUCKED INTO THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE (ROCK CHECK DAM, PLYWOOD, SHEET PILE, ETC.) PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS. CLEANING OR FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
17. DEWATERING MEASURES SHALL COMPLY WITH THE ILLINOIS URBAN MANUAL. DURING DEWATERING OF THE COFFERED AREA, THE WATER SHALL BE FILTERED TO REMOVE SEDIMENT PRIOR TO DISCHARGE TO THE STREAM. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. FILTRATION AREA SHALL BE PLACED ON A STABILIZED AREA OR DISCHARGE TO AN ENERGY DISSIPATING SURFACE PRIOR TO BEING RE-INTRODUCED TO DOWNSTREAM WATERWAY. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY. THE DISCHARGE FROM THE DEWATERING DEVICE SHALL NOT CAUSE EROSION. ANY TREATMENT REQUIRED BY THE NORTH COOK COUNTY SWCD IS THE CONTRACTORS RESPONSIBILITY AND NO EXTRA COSTS WILL BE PAID.
18. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW BY THE NORTH COOK COUNTY SWCD.
19. EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS, THE SIDE SLOPES MUST BE RESEED AND STABILIZED IMMEDIATELY AFTER FINAL GRADING WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE CHANNEL MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.
20. THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED OR PRE-CONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.
21. STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
22. CONCRETE WASHOUT FACILITIES SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
23. ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.
24. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
25. FINAL ACCEPTANCE OF PROJECT WILL BE CONTINGENT ON RECORD DRAWING APPROVAL BY THE ENGINEER.
26. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS, PERMITS, AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
27. THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO THE DEVELOPMENT SITE, CHANNEL, OR WATERS OF THE U.S. THE CONTRACTOR SHALL MAINTAIN THE DEVELOPMENT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
28. THIS PROJECT REQUIRES ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE VILLAGE, AS A CONDITION OF THIS PERMIT. THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE ENGINEER, VILLAGE AND NORTH COOK COUNTY SWCD FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USAGE DEFINES AND DETERMINES IN-STREAM WORK.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION









EROSION CONTROL NOTES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	62
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

LEGEND

-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY DITCH CHECKS
-  STONE RIPRAP, CLASS A4
-  TREE PROTECTION (SEE EX TREE SCHEDULE)

HIGGINS ROAD

SEQUENCE OF CONSTRUCTION ACTIVITIES

1. PLACE TEMPORARY EROSION CONTROL FACILITIES
2. REMOVAL ACTIVITIES
3. INSTALL DRAINAGE FACILITIES
4. GRADING TEMPORARY SEEDING WITH BLANKET
5. PAVING OPERATIONS
6. FINAL RESTORATION
7. REMOVAL OF TEMPORARY EROSION CONTROL FACILITIES

SCHEDULE

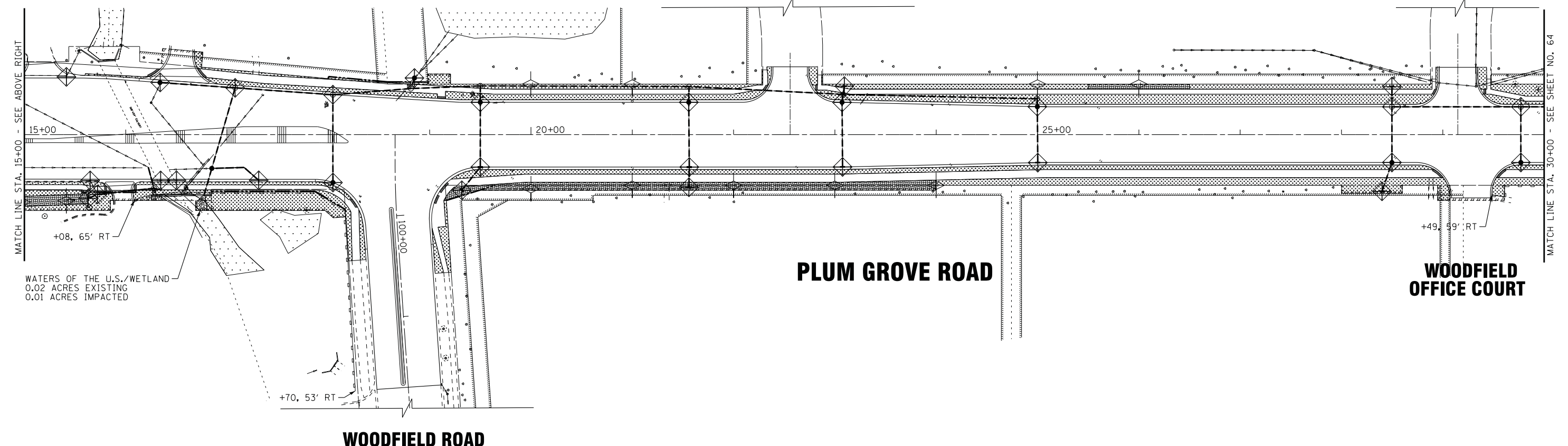
PERIMETER EROSION BARRIER	480 LF
INLET FILTERS	36
TEMPORARY DITCH CHECKS	72 LF
STONE RIPRAP, CLASS A4	20 SQ YD



PLUM GROVE ROAD

WHALOM LANE

STURNBRIDGE LANE



PLUM GROVE ROAD

WOODFIELD OFFICE COURT

WOODFIELD ROAD

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BAXTER & WOODMAN
Consulting Engineers

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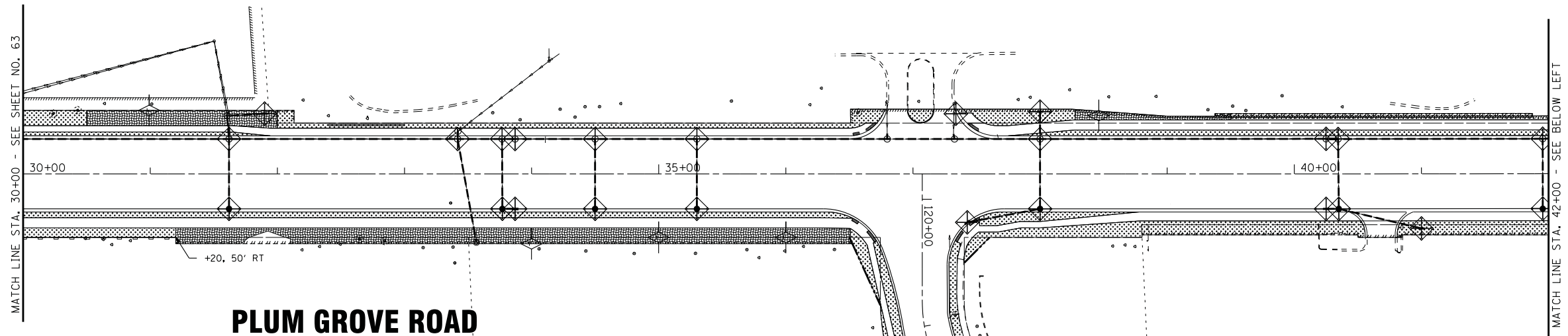
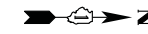
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
PLUM GROVE ROAD**

SCALE: 1"=50'

STA. 13+50 TO STA. 30+00

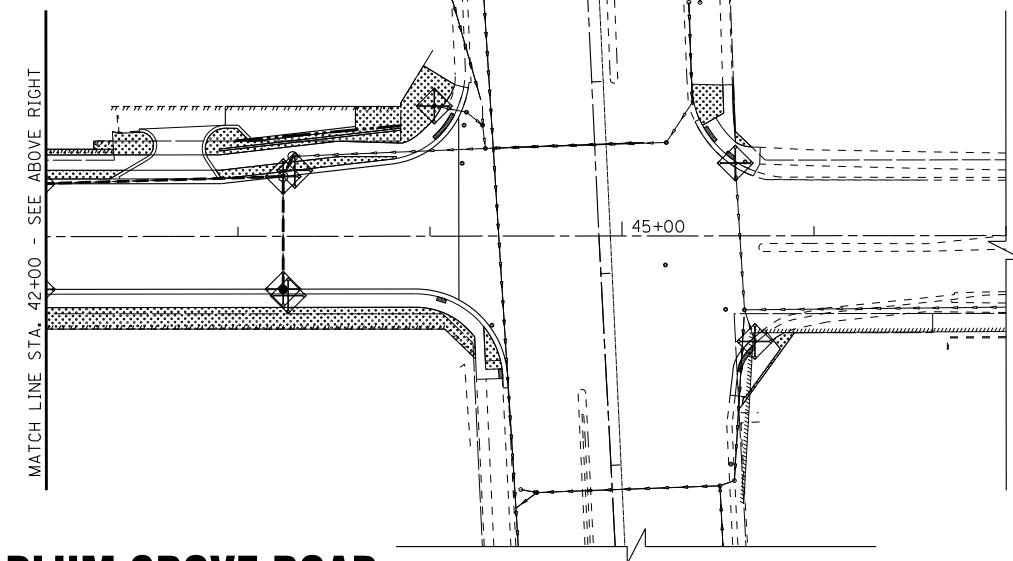
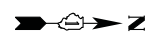
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			CONTRACT NO. 61E29	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



PLUM GROVE ROAD

AMERICAN LANE

GOLF ROAD



PLUM GROVE ROAD

LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY DITCH CHECKS
- STONE RIPRAP, CLASS A4
- TREE PROTECTION (SEE EX TREE SCHEDULE)

SCHEDULE

PERIMETER EROSION BARRIER	120 LF
INLET FILTERS	31
TEMPORARY DITCH CHECKS	30 LF

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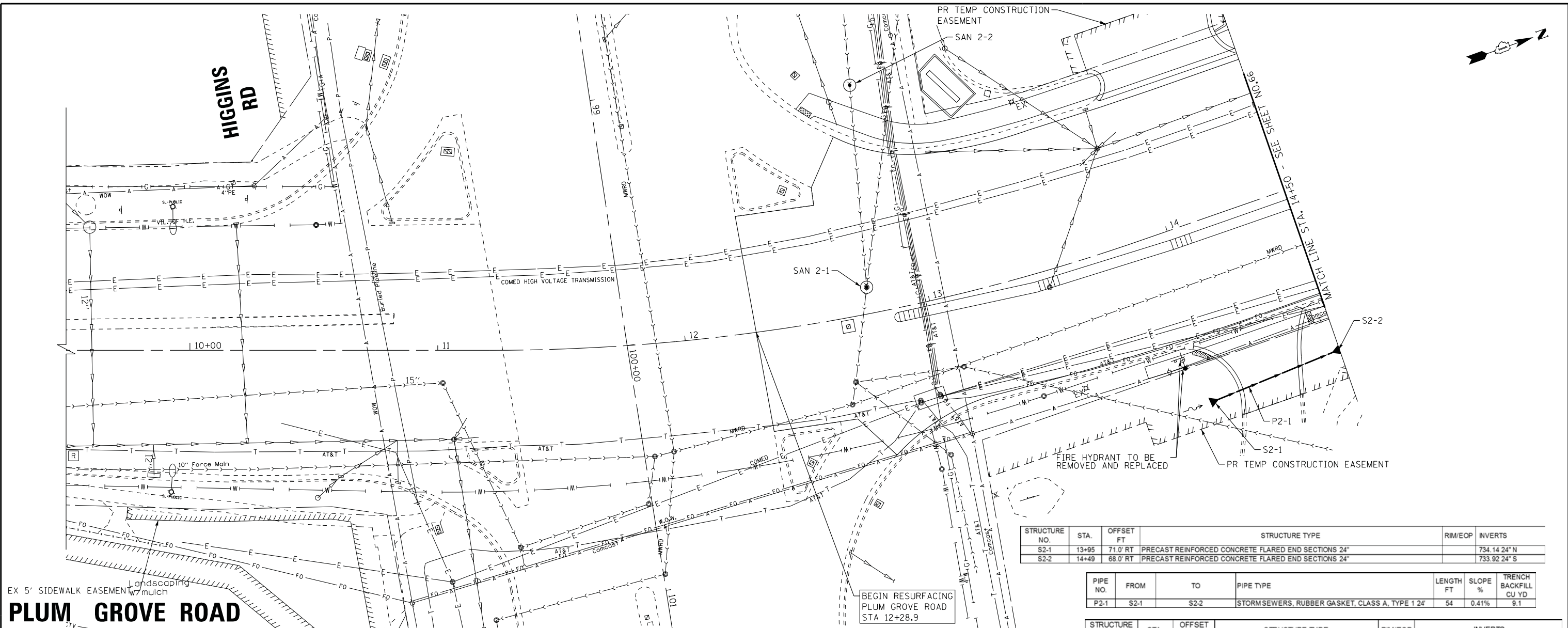
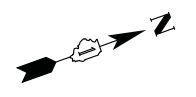
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
PLUM GROVE ROAD**

SCALE: 1"=50' STA. 30+00 TO STA. 47+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	64
			CONTRACT NO. 61E29	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

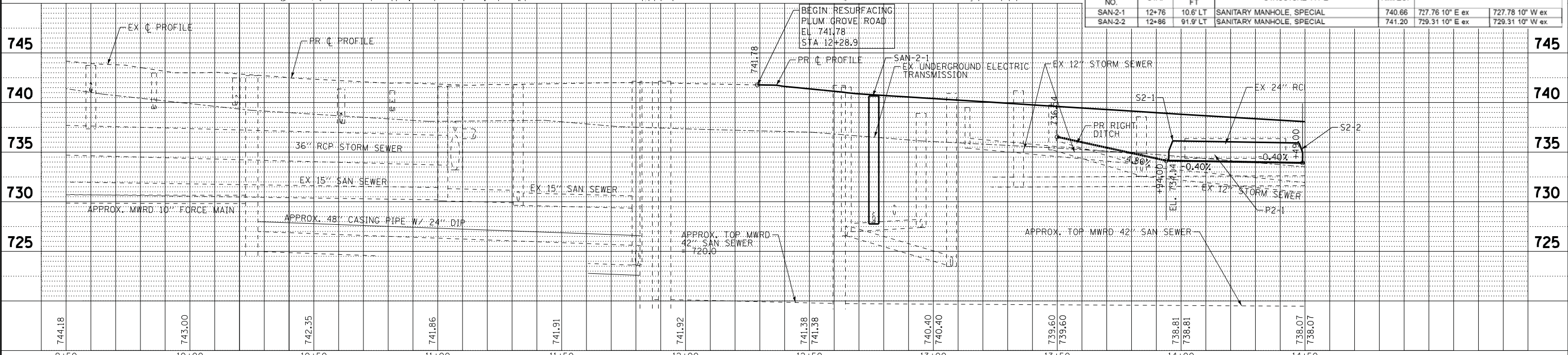


STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S2-1	13+95	71.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		734.14 24" N
S2-2	14+49	68.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		733.92 24" S

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P2-1	S2-1	S2-2	STORMSEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	54	0.41%	9.1

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
SAN-2-1	12+76	10.6' LT	SANITARY MANHOLE, SPECIAL	740.66	727.76 10" E ex 727.78 10" W ex
SAN-2-2	12+86	91.9' LT	SANITARY MANHOLE, SPECIAL	741.20	729.31 10" E ex 729.31 10" W ex

EX 5' SIDEWALK EASEMENT w/ mulch
PLUM GROVE ROAD



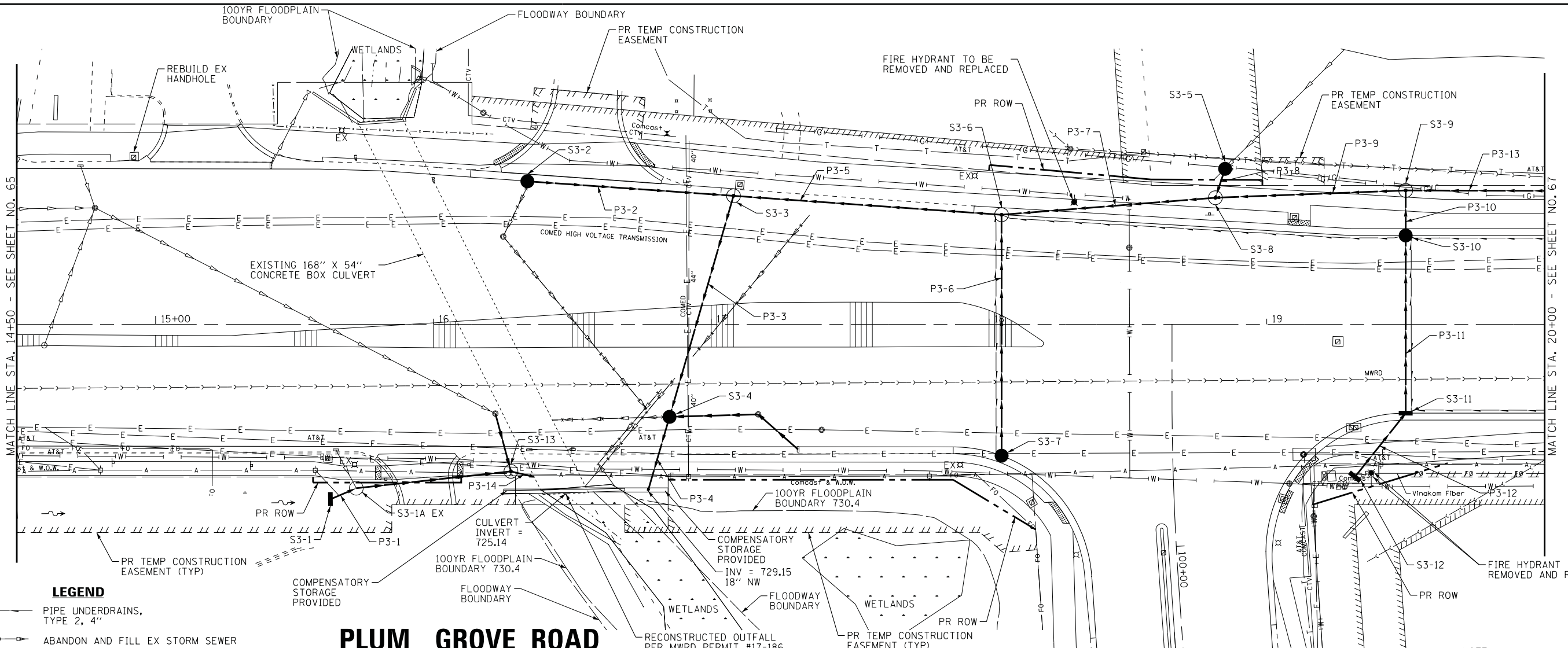
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 LICENSE No. - 184-00121 - EXPIRES 4/30/2019
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DESIGNED - DJS	REVISED -
DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-DU2.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES
PLUM GROVE ROAD**

SCALE: H: 1"=20' V: 1"=5' STA. 9+50 TO STA. 14+50 F.A.U. RTE. 2582 SECTION 14-00115-00-PV COUNTY COOK TOTAL SHEETS 199 SHEET NO. 65 CONTRACT NO. 61E29 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16



LEGEND

- PIPE UNDERDRAINS, TYPE 2, 4"
- ABANDON AND FILL EX STORM SEWER

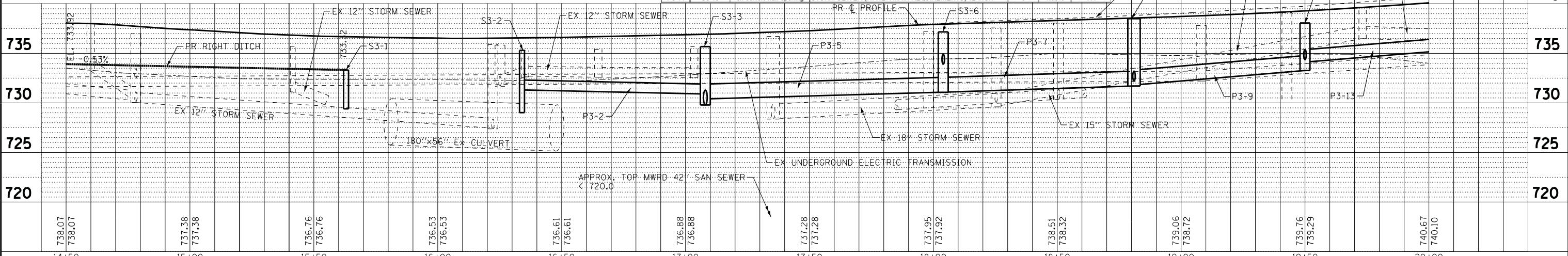
PLUM GROVE ROAD

NOTE:
SEE EXISTING CONDITIONS
AND REMOVAL PLAN SHEETS
FOR PIPES TO BE ABANDONED.

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RM/EOP	INVERTS
S3-1	15+63	63.0' RT	INLETS, TYPE A, TYPE 8 GRATE	733.32	729.40 12" NW
S3-2	16+34	51.5' LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	735.31	731.31 12" N
S3-3	17+08	46.0' LT	MANHOLES, TYPE A, 4-DIAMETER, TYPE 24 FRAME AND GRATE	735.68	729.80 18" SE 730.40 18" N 730.90 12" S
S3-4	16+85	33.0' RT	CATCH BASINS, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	735.50	729.30 18" SE 729.30 18" NW 731.72 EX 12" N
S3-5	18+85	56.0' LT	CATCH BASINS, TYPE C, TYPE 8 GRATE	736.30	732.33 12" SE 732.40 EX 12" NW
S3-6	18+04	39.0' LT	MANHOLES, TYPE A, 4-DIAMETER, TYPE 24 FRAME AND GRATE	737.17	731.08 18" S 731.18 18" N 733.91 12" E
S3-7	18+04	47.3' RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	737.01	734.30 12" W
S3-8	18+81	45.6' LT	MANHOLES, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID	738.50	731.71 18" S 731.81 18" N 732.20 12" NW
S3-9	19+50	48.2' LT	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	738.06	733.27 18" S 734.37 12" E 734.12 15" N
S3-10	19+50	32.0' LT	CATCH BASINS, TYPE A, 4-DIAMETER, TYPE 24 FRAME AND GRATE	738.65	734.45 12" W 734.72 12" E
S3-11	19+50	32.0' RT	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	738.65	735.08 12" W 735.34 12" SE
S3-12	19+32	55.0' RT	INLETS, TYPE A, TYPE 8 GRATE	738.60	735.82 12" NW
S3-13	16+28	53.0' RT	MANHOLES, TYPE A, 6-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	735.29	726.09 12" NE 727.41 EX 12" S 726.14 EX 12" S
S3-1A EX	15+72	59.0' RT	EXISTING CATCH BASIN	732.97	729.12 EX 12" N 729.12 12" SE 729.67 EX 12" S

PIPE NO.	FROM	TO	PPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P3-1	S3-1	S3-1A EX	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	10	2.80%	0.0
P3-2	S3-2	S3-3	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	74	0.55%	26.6
P3-3	S3-3	S3-4	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	83	0.60%	48.1
P3-4	S3-4	HEADWALL	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	28	0.54%	11.9
P3-5	S3-5	S3-3	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	97	0.70%	52.1
P3-6	S3-7	S3-6	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	87	0.45%	19.4
P3-7	S3-8	S3-6	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	77	0.69%	47.7
P3-8	S3-5	S3-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	11	1.18%	5.1
P3-9	S3-9	S3-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	69	2.12%	39.9
P3-10	S3-10	S3-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	16	0.50%	5.4
P3-11	S3-11	S3-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	64	0.56%	20.2
P3-12	S3-12	S3-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	29	1.66%	5.8
P3-13	S4-3	S3-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	206	2.06%	85.5
P3-14	S3-13	ex culvert wall opening	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	9	1.00%	7.4

WOODFIELD RD



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED - DJS	REVISED -
DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-DU3.dgn

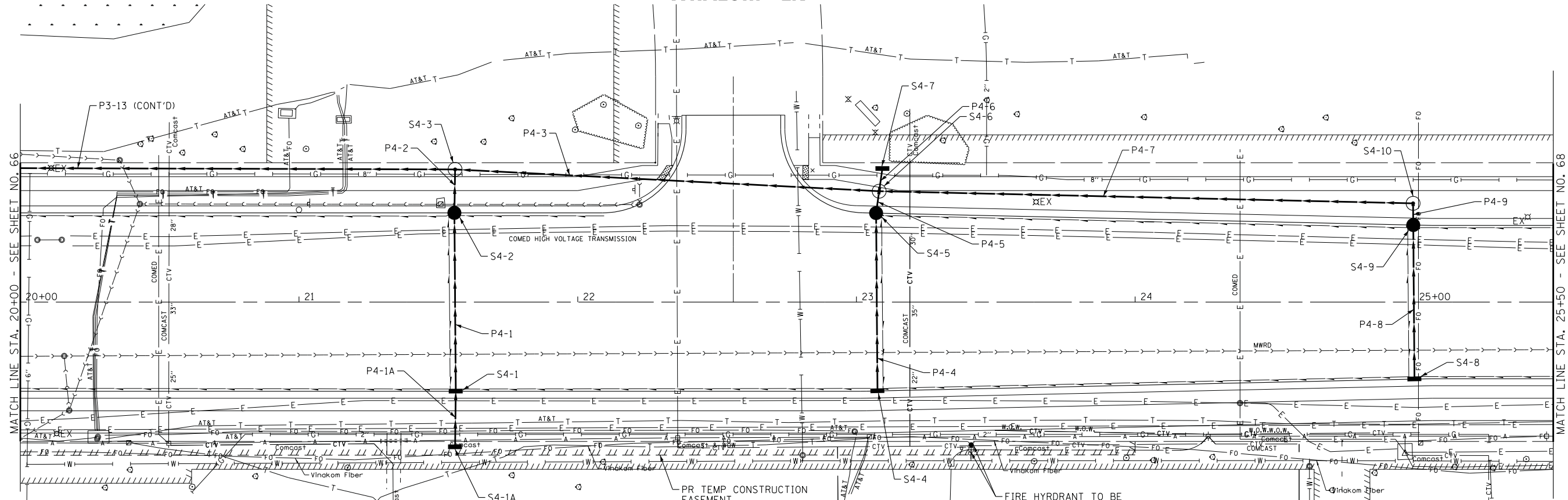
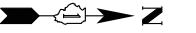
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES
PLUM GROVE ROAD**

SCALE: H: 1"=20' V: 1"=5'
STA. 14+50 TO STA. 20+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	66
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

WHALOM LN



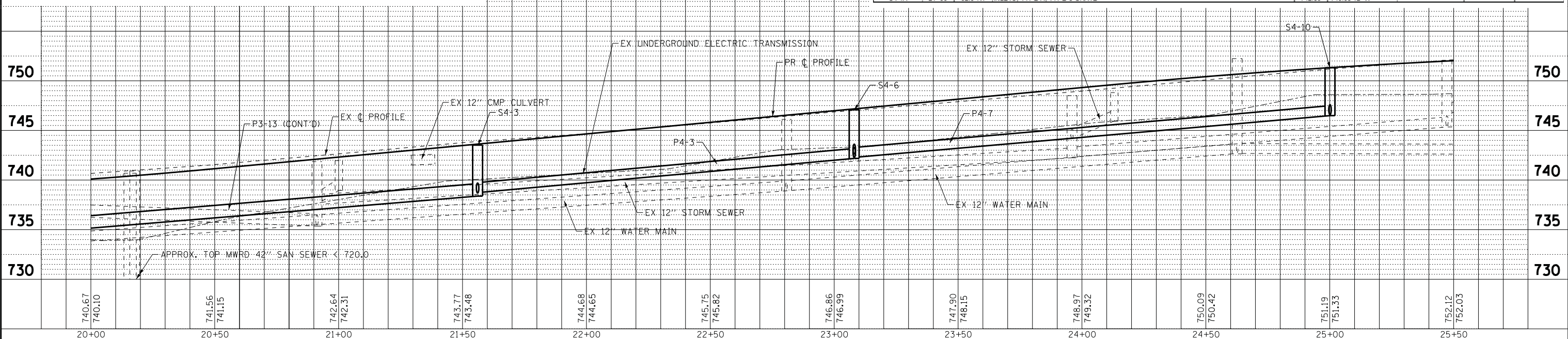
LEGEND

PIPE UNDERDRAINS, TYPE 2, 4"

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P4-1	S4-1	S4-2	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	64	0.44%	13.5
P4-2	S4-2	S4-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2'	16	0.44%	6.4
P4-3	S4-3	S4-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2'	152	2.27%	65.4
P4-4	S4-4	S4-5	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	64	0.44%	15.4
P4-5	S4-5	S4-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2'	8	0.44%	3.2
P4-6	S4-7	S4-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2'	8	7.39%	2.8
P4-7	S4-10	S4-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2'	192	2.20%	55.6
P4-8	S4-8	S4-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2'	55	0.44%	15.0
P4-9	S4-9	S4-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2'	8	0.44%	3.2
P4-1A	S4-1A	S4-1	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	20	2.05%	3.4

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIME/OP	INVERTS
S4-1	21+56	32.0' RT	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	742.98	740.27 12" W 740.27 12"
S4-2	21+56	32.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	742.98	738.76 12" W 739.99 12" E
S4-3	21+56	47.6' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	743.52	738.38 15" S 738.73 12" N 738.69 12" E
S4-4	23+08	31.9' RT	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	746.53	743.50 12" W
S4-5	23+07	31.9' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	746.51	742.31 12" W 743.22 12" E
S4-6	23+08	39.8' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	747.08	742.18 12" S 742.61 12" W 742.28 12" N 742.28 12" E
S4-7	23+09	48.0' LT	INLETS, TYPE A, TYPE 8 GRATE	746.80	743.20 12" E
S4-8	25+00	27.6' RT	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	750.78	747.56 12" W
S4-9	25+00	27.6' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	750.78	746.63 12" W 747.32 12" E
S4-10	25+00	35.4' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	751.32	746.49 12" S 746.59 12" E
S4-1A	21+56	52.0' RT	INLETS, TYPE A, TYPE 8 GRATE	742.85	740.68 12" W

PLUM GROVE ROAD



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE No. 184-00121 - EXPIRES 4/30/2019
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DESIGNED - DJS	REVISED -
DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-DU4.dgn

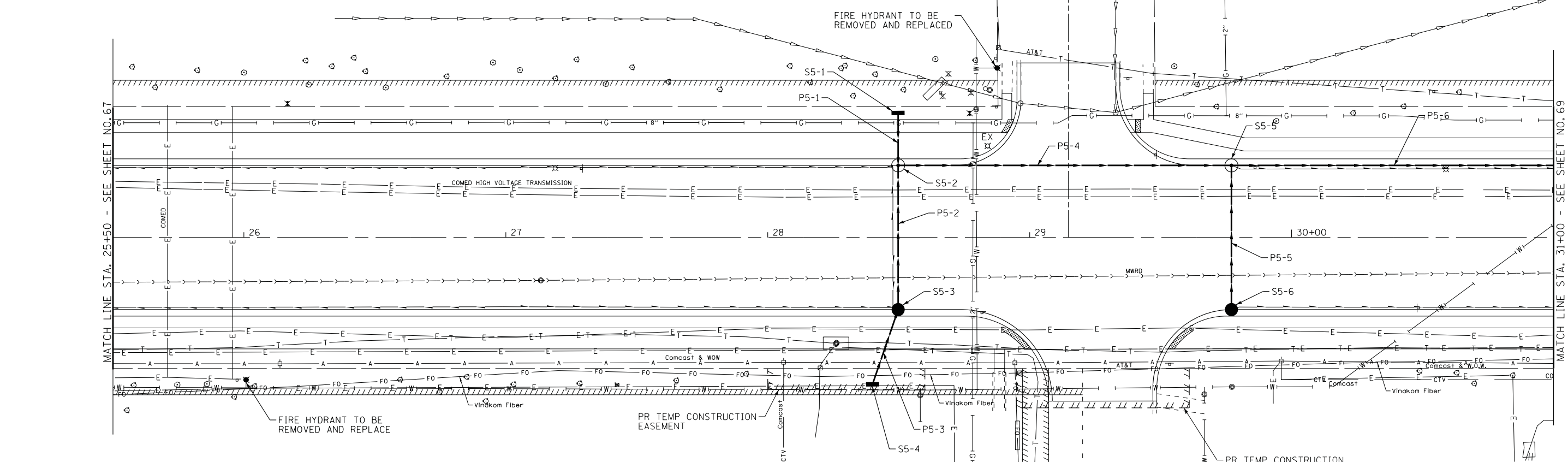
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLUM GROVE ROAD

SCALE: H: 1"=20' V: 1"=5'
STA. 20+00 TO STA. 25+50

F.A.U. RT. 2582	SECTION 14-00115-00-PV	COUNTY COOK	TOTAL SHEETS 199	SHEET NO. 67
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

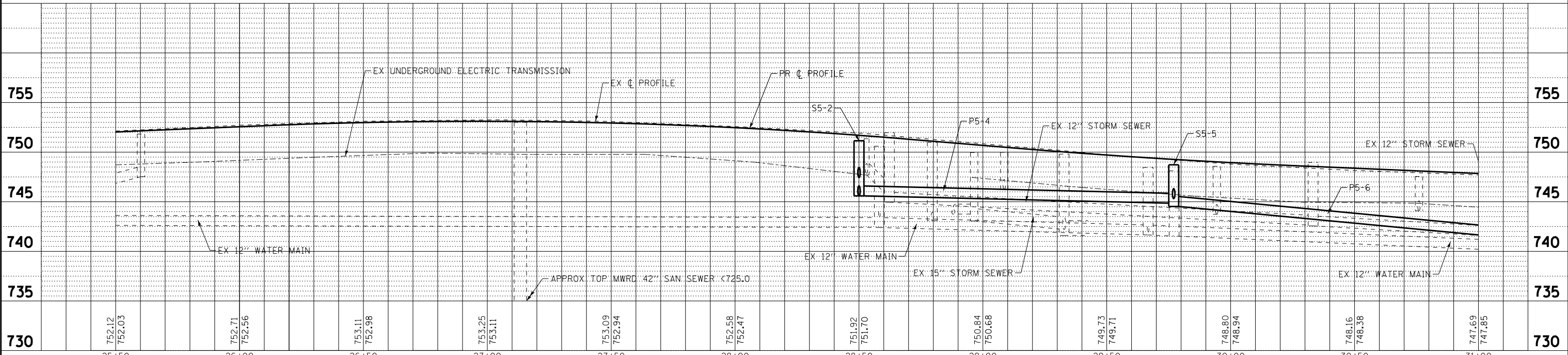
PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P5-1	S5-1	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12	20	5.99%	3.8
P5-2	S5-3	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12	55	0.55%	26.9
P5-3	S5-4	S5-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12	30	0.50%	5.9
P5-4	S5-2	S5-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12	127	0.60%	52.9
P5-5	S5-6	S5-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12	55	0.50%	14.6
P5-6	S5-5	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12	185	2.37%	89.2



STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S5-1	28+50	48.0' LT	INLETS, TYPE A, TYPE 8 GRATE	751.45	748.63 12" E
S5-2	28+50	27.5' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	751.15	745.60 12" N 745.60 12" E
S5-3	28+50	27.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	751.15	745.90 12" W 746.50 12" E
S5-4	28+40	56.0' RT	INLETS, TYPE A, TYPE 8 GRATE	749.32	746.65 12" NW
S5-5	29+77	27.5' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	748.72	744.57 12" N 745.31 12" E
S5-6	29+77	27.5' RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	748.72	745.58 12" W

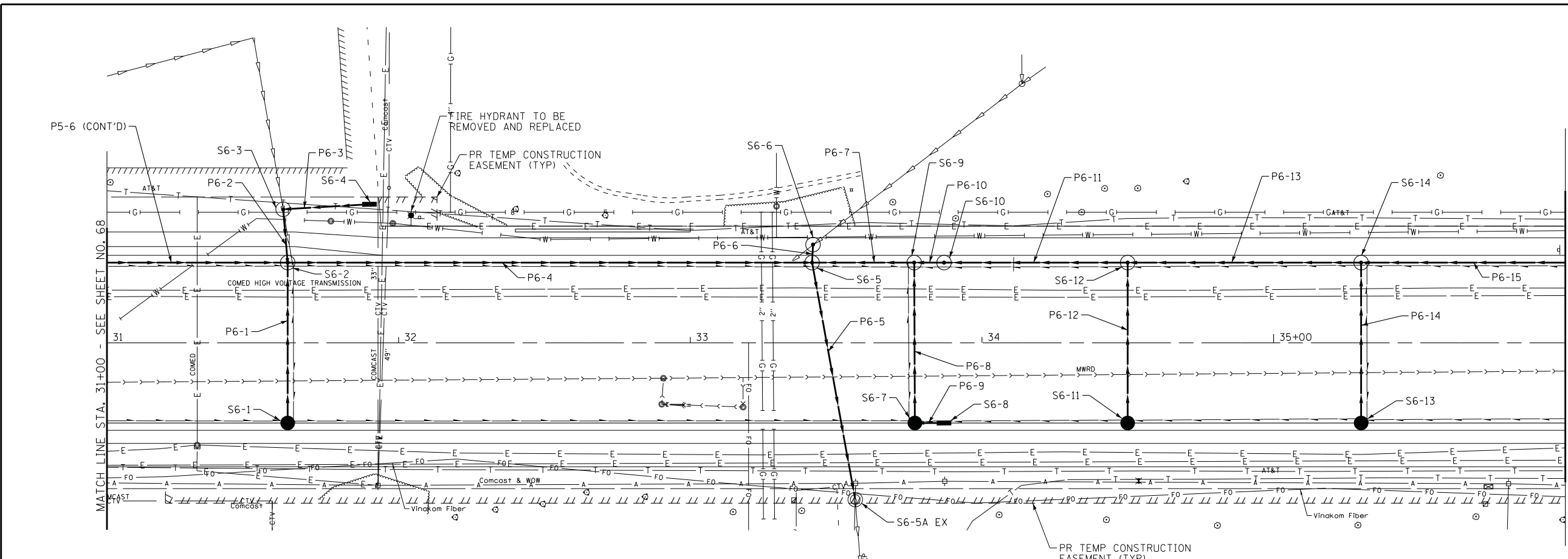
LEGEND
 --- PIPE UNDERDRAINS, TYPE 2, 4"

STURNBRIDGE LN
WOODFIELD OFFICE CT
PLUM GROVE ROAD



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	DESIGNED - DJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PLUM GROVE ROAD	F.A.U. R.T.E. 2582	SECTION 14-00115-00-PV	COUNTY COOK	TOTAL SHEETS 199	SHEET NO. 68
	DRAWN - UKB	REVISED -			SCALE: H: 1"=20' V: 1"=5'	STA. 25+50	TO STA. 31+00	CONTRACT NO. 61E29	
	CHECKED - LDH	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				
	DATE - 10-9-17	FILE - 150615-SHT-DU5.dgn							



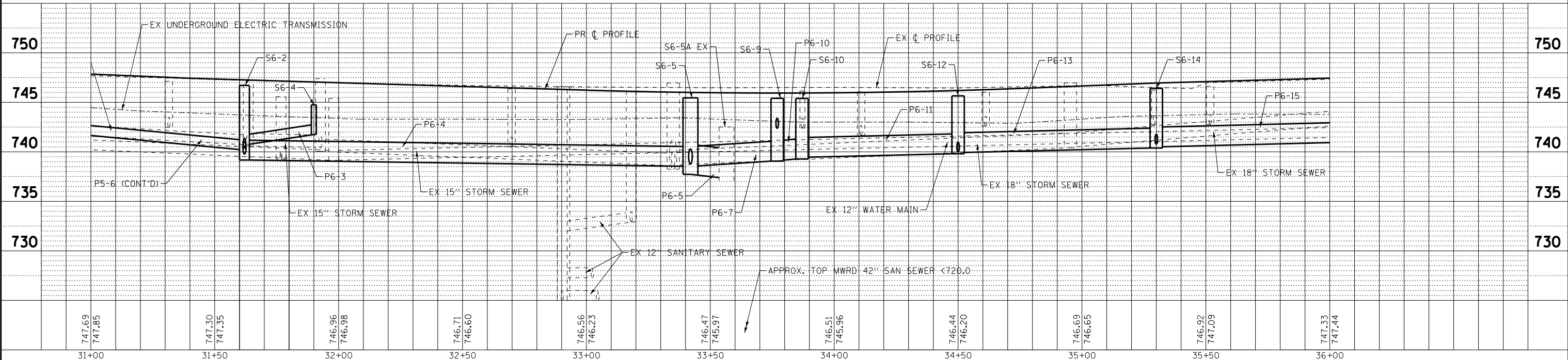
MATCH LINE STA. 36+00 - SEE SHEET NO. 70

LEGEND
 PIPE UNDERDRAINS, TYPE 2, 4"

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RM/EOP	INVERTS
S6-1	31+82	27.5' RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	746.71	743.40 12° W
S6-2	31+82	27.5' LT	MANHOLES, TYPE A, 4-DIAMETER, TYPE 24 FRAME AND GRATE	746.71	739.18 24° N 740.37 12° E 739.78 15° W 740.18 12° S
S6-3	31+82	45.7' LT	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	747.46	739.84 15° E 740.69 12° N 739.84 EX 6° W
S6-4	31+90	47.5' LT	INLETS, TYPE A, TYPE 8 GRATE	744.75	741.75 12° S
S6-5	33+42	27.5' LT	MANHOLES, TYPE A, 6-DIAMETER, TYPE 1 FRAME, CLOSED LID	745.45	737.73 36° NE 738.78 18° W 738.53 24° N 738.53 24° S
S6-6	33+42	33.7' LT	MANHOLES, TYPE A, 4-DIAMETER, TYPE 8 GRATE	745.96	738.80 18° E 738.80 EX 18° NW
S6-7	33+77	27.5' RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	745.39	742.63 12° W 742.63 12° N
S6-8	33+87	27.5' RT	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	745.39	742.68 12° S
S6-9	33+77	27.5' LT	MANHOLES, TYPE A, 5-DIAMETER, TYPE 24 FRAME AND GRATE	745.39	739.10 24° S 739.20 24° N 742.38 12° E
S6-10	33+87	27.5' LT	MANHOLES, TYPE A, 5-DIAMETER, TYPE 3V FRAME AND GRATE	745.39	739.34 24° S 739.44 24° N
S6-11	34+50	27.5' RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	745.65	740.22 12° W
S6-12	34+50	27.5' LT	MANHOLES, TYPE A, 5-DIAMETER, TYPE 24 FRAME AND GRATE	745.65	739.82 24° S 739.98 12° E 739.92 24° N
S6-13	35+30	27.5' RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	746.41	741.02 12° W
S6-14	35+30	27.5' LT	MANHOLES, TYPE A, 5-DIAMETER, TYPE 24 FRAME AND GRATE	746.41	740.40 24° S 740.78 12° E 740.50 24° N
S6-5A EX	33+40	70.1' RT	EXISTING MANHOLE		737.31 36° SW

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P6-1	S6-1	S6-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	55	5.52%	23.6
P6-2	S6-3	S6-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	18	0.32%	9.6
P6-3	S6-4	S6-3	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	30	3.53%	0.0
P6-4	S6-2	S6-5	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	180	0.36%	141.0
P6-5	S6-5	S6-5A EX	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	83	0.51%	76.2
P6-6	S6-6	S6-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	6	0.26%	4.4
P6-7	S6-9	S6-5	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	35	1.63%	24.5
P6-8	S6-7	S6-9	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	55	0.45%	11.8
P6-9	S6-8	S6-7	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	10	0.50%	2.0
P6-10	S6-10	S6-9	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	10	1.40%	6.4
P6-11	S6-12	S6-10	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	63	0.60%	37.9
P6-12	S6-11	S6-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	55	0.44%	27.8
P6-13	S6-14	S6-12	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	80	0.60%	47.8
P6-14	S6-13	S6-14	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	55	0.44%	27.5
P6-15	S7-2	S6-14	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	150	0.61%	93.4

PLUM GROVE ROAD



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE No. - 184-00121 - EXPIRES 4/30/2019
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BAXTER & WOODMAN
 Consulting Engineers

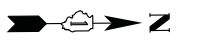
DESIGNED - DJS	REVISED - 4-20-18
DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-DU6.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

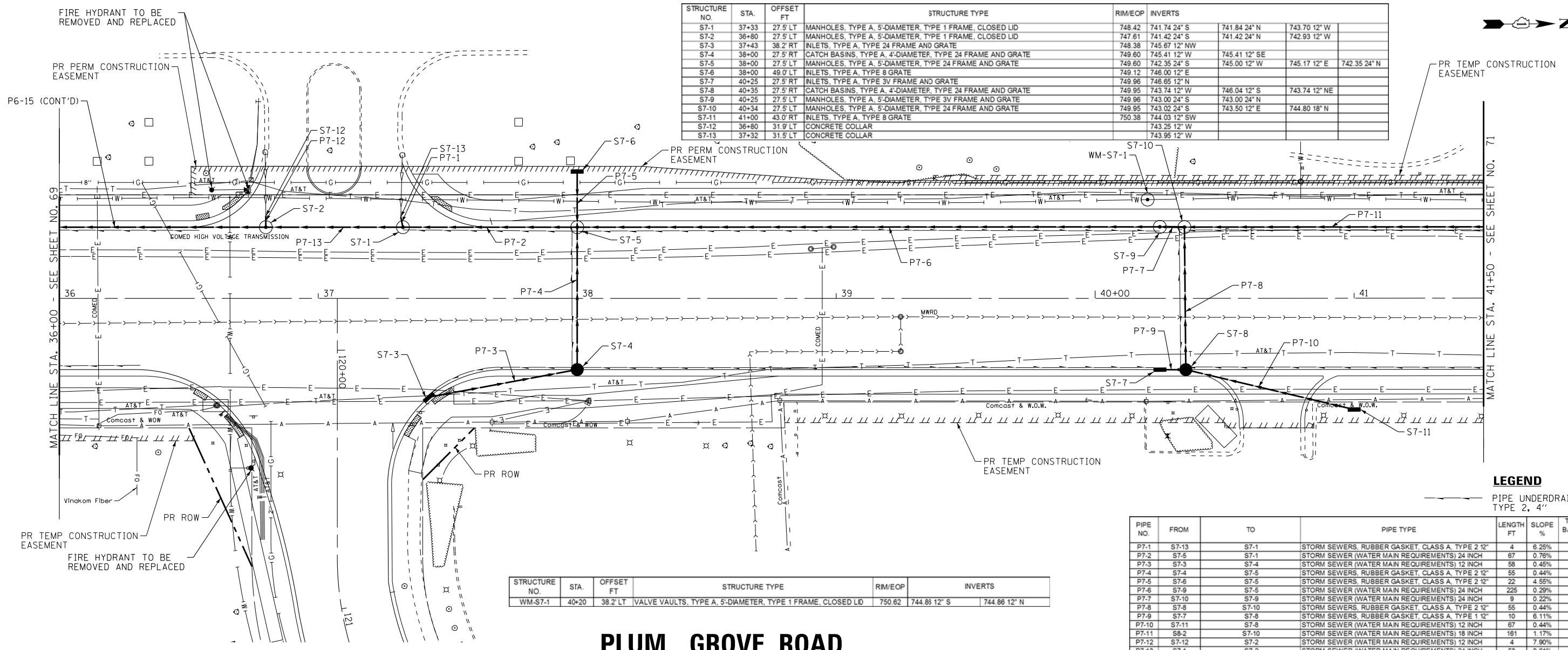
**DRAINAGE AND UTILITIES
 PLUM GROVE ROAD**

SCALE: H: 1"=20' V: 1"=5' STA. 31+00 TO STA. 36+00

F.A.U. RTE. 2582	SECTION 14-00115-00-PV	COUNTY COOK	TOTAL SHEETS 199	SHEET NO. 69
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S7-1	37+33	27.5 LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	748.42	741.74 24" S	741.84 24" N	743.70 12" W
S7-2	36+80	27.5 LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	747.61	741.42 24" S	741.42 24" N	742.93 12" W
S7-3	37+43	38.2 RT	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	748.38	745.67 12" NW		
S7-4	38+00	27.5 RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	749.60	745.41 12" W	745.41 12" SE	
S7-5	38+00	27.5 LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	749.60	742.35 24" S	745.00 12" W	745.17 12" E
S7-6	38+00	49.0 LT	INLETS, TYPE A, TYPE 8 GRATE	749.12	746.00 12" E		
S7-7	40+25	27.5 RT	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	749.96	746.65 12" N		
S7-8	40+35	27.5 RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	749.95	743.74 12" W	746.04 12" S	743.74 12" NE
S7-9	40+25	27.5 LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3V FRAME AND GRATE	749.96	743.00 24" S	743.00 24" N	
S7-10	40+34	27.5 LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	749.95	743.02 24" S	743.00 12" E	744.80 18" N
S7-11	41+00	43.0 RT	INLETS, TYPE A, TYPE 8 GRATE	750.38	744.03 12" SW		
S7-12	36+80	31.9 LT	CONCRETE COLLAR		743.25 12" W		
S7-13	37+32	31.5 LT	CONCRETE COLLAR		743.95 12" W		



MATCH LINE STA. 41+50 - SEE SHEET NO. 71

LEGEND

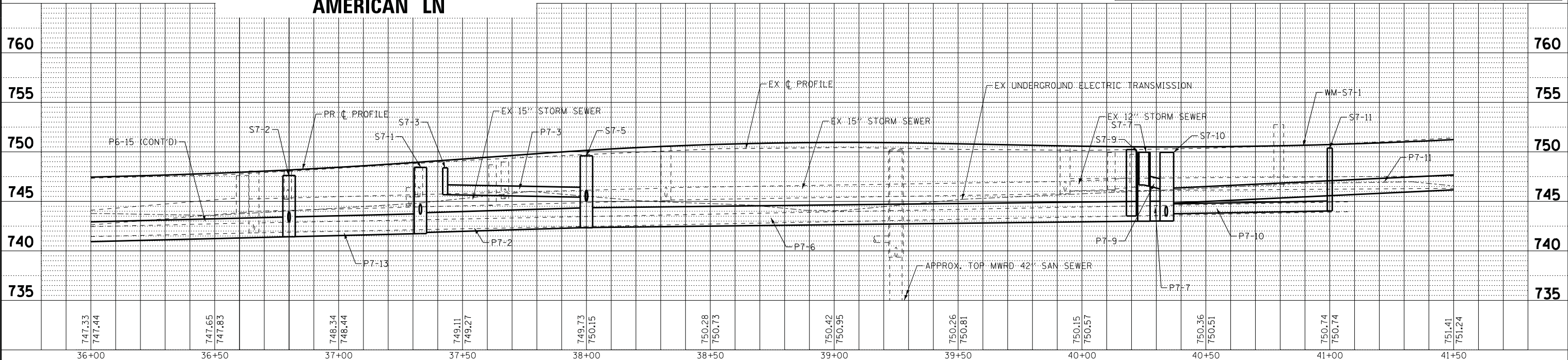
--- PIPE UNDERDRAINS, TYPE 2, 4"

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS	
WM-S7-1	40+20	38.2 LT	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	750.62	744.83 12" S	744.86 12" N

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P7-1	S7-13	S7-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2"	4	6.25%	1.6
P7-2	S7-5	S7-1	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	67	0.76%	49.7
P7-3	S7-3	S7-4	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	58	0.45%	15.6
P7-4	S7-4	S7-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2"	55	0.44%	20.6
P7-5	S7-6	S7-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2"	22	4.55%	5.9
P7-6	S7-9	S7-5	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	225	0.29%	172.6
P7-7	S7-10	S7-9	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	9	0.22%	6.8
P7-8	S7-8	S7-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/2"	55	0.44%	32.3
P7-9	S7-7	S7-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	10	6.11%	3.1
P7-10	S7-11	S7-8	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	67	0.44%	30.4
P7-11	S8-2	S7-10	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	161	1.17%	71.7
P7-12	S7-12	S7-2	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	4	7.90%	1.6
P7-13	S7-1	S7-2	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	53	0.61%	35.8

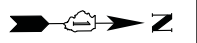
AMERICAN LN

PLUM GROVE ROAD

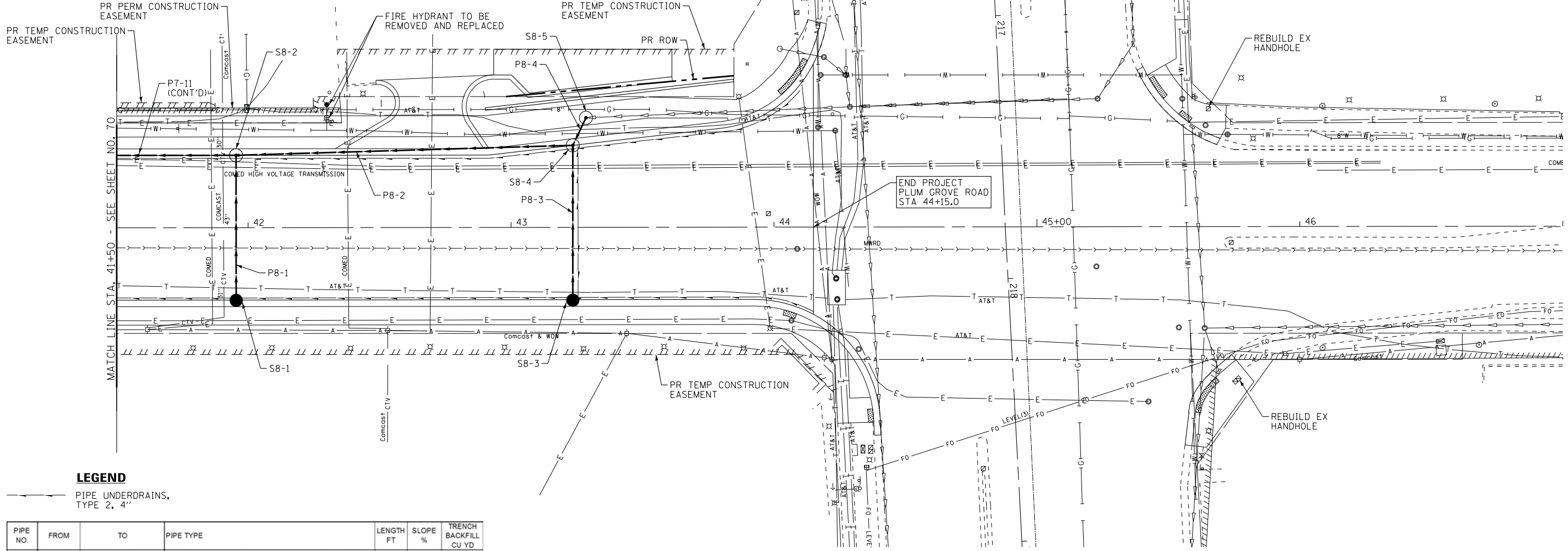


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BAXTER & WOODMAN Consulting Engineers	DESIGNED - DJS	REVISED - 4-20-18	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PLUM GROVE ROAD	F.A.U. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - UKB	REVISED -			2582	14-00115-00-PV	COOK	199	70
	CHECKED - LDH	REVISED -			CONTRACT NO. 61E29				
	DATE - 10-9-17	FILE - 150615-SHT-DU7.dgn		SCALE: H: 1"=20' V: 1"=5'	STA. 36+00 TO STA. 41+50		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16		



STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S8-1	41+95	27.6 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	751.34	748.03 12" W
S8-2	41+95	27.5 RT	MANHOLES, TYPE A, 5-DIAMETER, TYPE 24 FRAME AND GRATE	751.34	746.69 18" S
S8-3	43+23	27.7 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	752.95	749.64 12" W
S8-4	43+24	31.2 LT	MANHOLES, TYPE A, 4-DIAMETER, TYPE 24 FRAME AND GRATE	752.89	748.26 18" S
S8-5	43+29	41.6 LT	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	754.82	748.40 18" SE



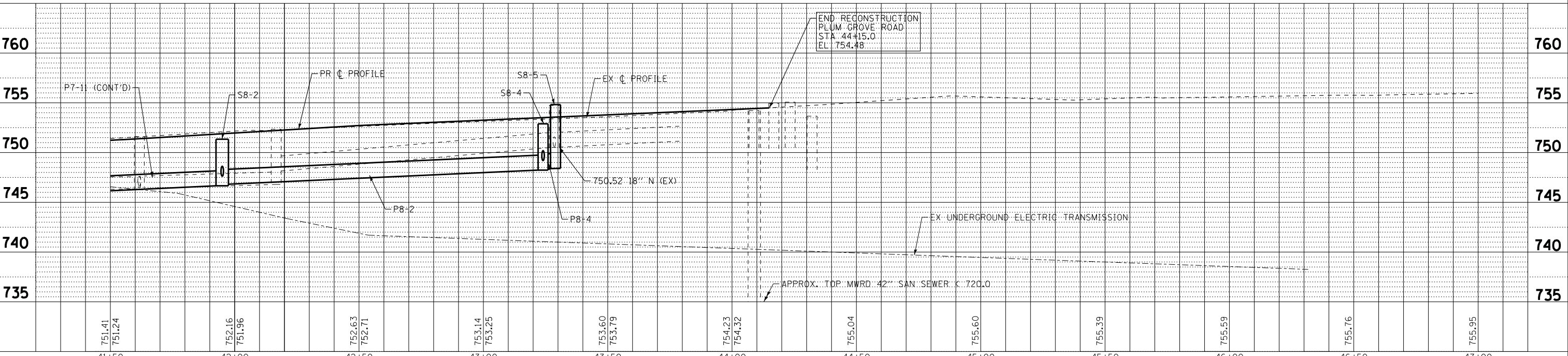
LEGEND

PIPE UNDERDRAINS, TYPE 2, 4"

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P8-1	S8-1	S8-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2'	55	0.75%	16.0
P8-2	S8-4	S8-2	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	128	1.15%	52.4
P8-3	S8-3	S8-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2'	59	0.76%	17.1
P8-4	S8-5	S8-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/8'	12	0.34%	6.6

PLUM GROVE ROAD

GOLF ROAD



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE No. 184-00121 - EXPIRES 4/30/2019
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DESIGNED - DJS	REVISED - 4-20-18
DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-DU8.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES
PLUM GROVE ROAD**

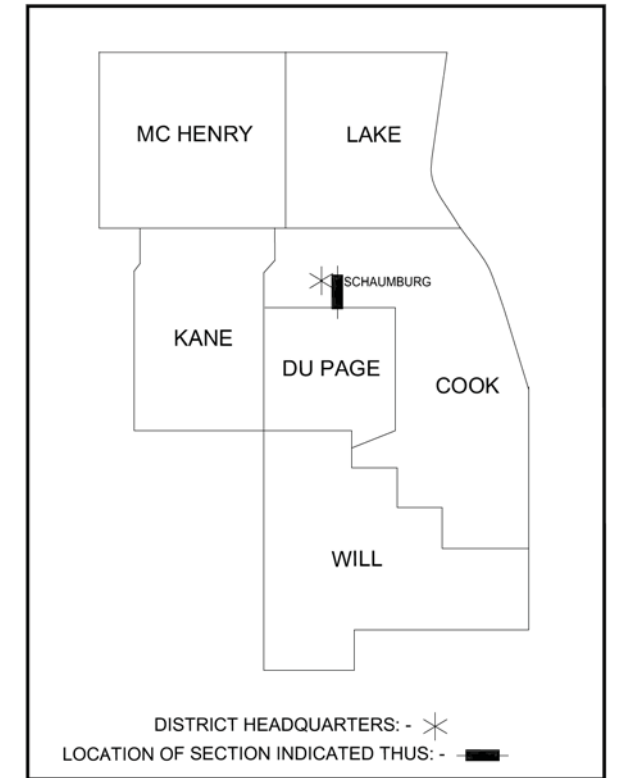
SCALE: H: 1"=20' V: 1"=5' STA. 41+50 TO STA. 47+00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	71
CONTRACT NO. 61E29				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLAT OF HIGHWAYS

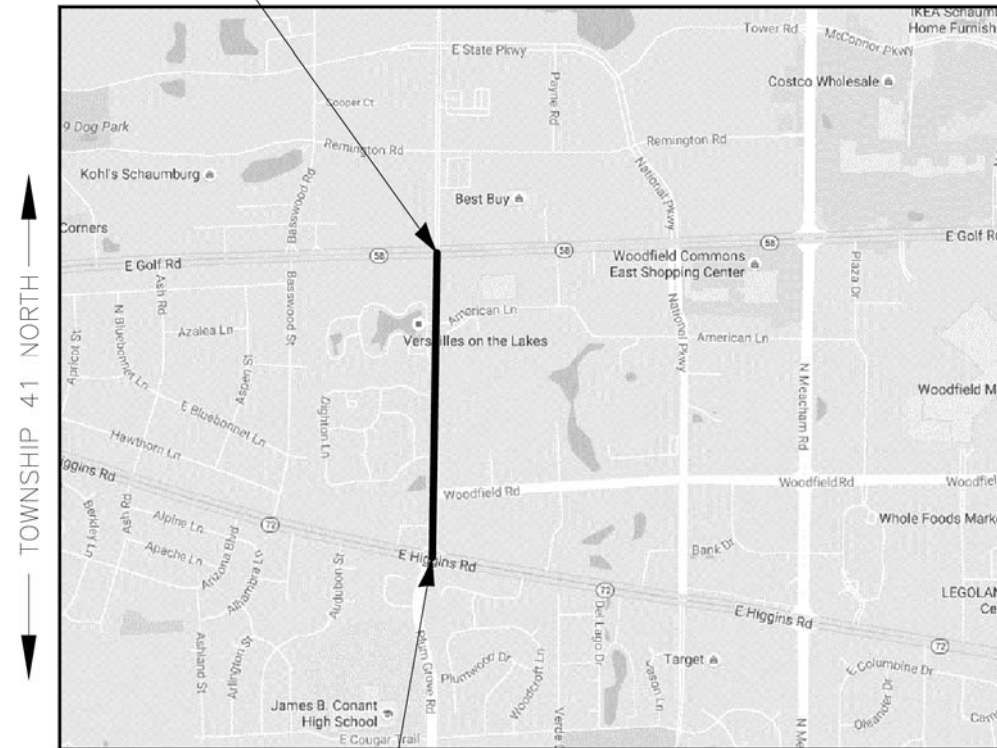
ROUTE: FAU 2582 / PLUM GROVE ROAD
SECTION: 14-00115-00-PV
COUNTY: COOK
LIMITS: Illinois Route 72
to Illinois Route 58
JOB NO.: R-90-005-16



PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001	Lake St., Medinah Rd., and Higgins Rd. Real Estate Holdings, LLC, a Close Wyoming LLC	5	
0002	Sunrise Third Schaumburg SL, LLC, an Illinois limited liability company	5	
0003	Woodfield Grove, LLC, an Illinois limited liability company	6	
0004	Courtyards on Woodfield Office Condominium Association on behalf of the Unit Owners as their interests may appear	7	
0005	Schaumburg ES LLC, an Illinois limited liability company	8	
0006	Woodfield Lake Office Court Condominium Association on behalf of the Unit Owners as their interests may appear	8, 9	
0007	Versailles Associates Owner LLC, a Delaware limited liability company	9, 10	
0008	AAA Hospitality, LLC, an Illinois limited liability company	9	
0009	Robert V. Rohman	9	
0010	Robert V. Rohman	10	
0011	GW Property Group, LLC-Series 1, a Delaware limited liability company	10	
0015	Bank of America, National Association	5	
0016	Weathersfield North Condominium Association on behalf of the Unit Owners as their interests may appear	7	

PLUM GROVE ROAD
END IMPROVEMENTS
STA 44+15

← RANGE 10 EAST →



PLUM GROVE ROAD
BEGIN IMPROVEMENTS
STA 12+28.90

LOCATION MAP

Gross & Net Length = 3,186.10 Lin. Ft. = 0.603 Miles (Plum Grove Road)

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OF THE STATE OF ILLINOIS**

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DATE - 10-9-17	FILE - 150615-SHT-PlatofHwys.dgn

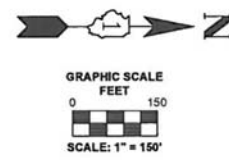
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAT OF HIGHWAYS

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	72
				CONTRACT NO. 61E29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

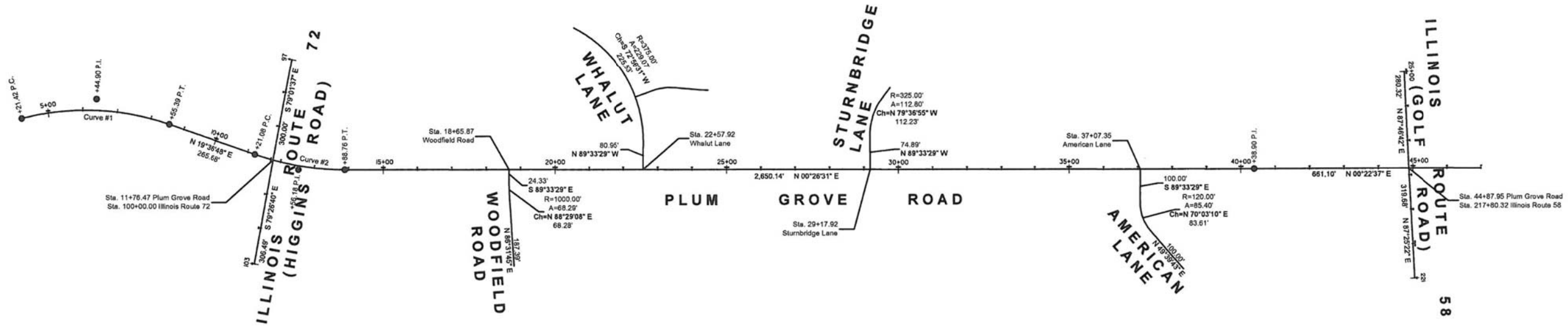
Existing & Proposed Plum Grove Road Curve #1		Existing & Proposed Plum Grove Road Curve #2	
P.I.	= Sta. 6+44.90	P.I.	= Sta. 12+56.18
Δ	= 33°44'38"	Δ	= 19°10'18"
R	= 736.85'	R	= 800.00'
T	= 223.48'	T	= 135.11'
L	= 433.97'	L	= 257.69'
E	= 33.14'	E	= 11.33'
P.C.	= Sta. 4+21.42	P.C.	= Sta. 11+21.08
P.T.	= Sta. 8+55.39	P.T.	= Sta. 13+88.76



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- 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
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
 - + CUT CROSS FOUND OR SET
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET
- Notes:**
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.



PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

Centerline Alignment (Plum Grove Road)			Centerline Alignment (Illinois Route 72)		
Station / Description	Northing	Easting	Station / Description	Northing	Easting
4+21.42 P.C. (Curve #1)	2,048,537.13	1,008,790.58	97+00.00	2,048,023.98	1,007,252.87
6+44.90 P.I. (Curve #1)	2,048,380.58	1,008,925.82	100+00.00 (Plum Grove Road)	2,048,998.38	1,007,281.58
8+55.39 P.T. (Curve #1)	2,048,278.52	1,007,018.41	103+00.00	2,048,994.58	1,007,305.48
11+21.08 P.C. (Curve #2)	2,048,134.44	1,007,144.19	Centerline Alignment (Illinois Route 58)		
11+76.47 (Illinois Route 72)	2,048,134.44	1,007,144.19	Station / Description	Northing	Easting
12+56.18 P.I. (Curve #2)	2,048,065.21	1,007,178.18	215+00.00	2,048,023.98	1,007,252.87
13+88.76 P.T. (Curve #2)	2,048,058.77	1,007,218.92	217+80.32 (Plum Grove Road)	2,048,998.38	1,007,281.58
40+38.90 P.I.	2,048,747.21	1,007,348.47	221+00.00	2,048,994.58	1,007,305.48
44+67.88 (Illinois Route 58)	2,048,747.21	1,007,348.47			
47+00.00 P.I.	2,048,747.21	1,007,348.47			

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, 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 CRYSTAL LAKE, ILLINOIS, THIS 13TH DAY OF JANUARY, 2017 A.D.

Anthony E. Bianchini
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

"LICENSE EXPIRES 11-30-2018"

BAXTER & WOODMAN
Consulting Engineers
6678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60412
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 2582 / PLUM GROVE ROAD

LIMITS : IL ROUTE 72 TO IL ROUTE 58 COUNTY : COOK
SECTION : 14-00115-00-PV JOB NO. : R-90-005-16
STA. - TO STA. -
SCALE : 1" = 150' SHEET 2 OF 11 SHEETS

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

REVISION DATE: 01-13-2017 REVISION MADE BY: AEB

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DATE - 10-9-17	FILE - 150615-SHT-PlatOfHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	73
				CONTRACT NO. 61E29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

Proposed Permanent Easement

Station / Description	Northing	Easting
16+68.91 65.00' RL	1,958,115.20	1,058,533.66
16+68.91 75.00' RL	1,958,115.12	1,058,543.66
16+84.49 75.00' RL	1,958,130.70	1,058,543.78
16+84.49 65.00' RL	1,958,130.78	1,058,533.78

Proposed Right-of-Way

Station / Description	Northing	Easting	Station / Description	Northing	Easting
18+00.00 54.00' LL	1,958,247.21	1,058,414.27	8+27.40 59.31' RL	1,957,278.61	1,058,378.61
18+00.18 57.40' LL	1,958,247.41	1,058,412.28	8+27.29 64.31' RL	1,957,277.01	1,058,383.35
18+58.30 52.17' LL	1,958,305.49	1,058,417.95	8+49.97 64.44' RL	1,957,296.63	1,058,389.98
18+98.41 52.00' LL	1,958,345.59	1,058,418.43	9+23.74 66.63' RL	1,957,364.94	1,058,416.63
18+98.55 50.00' LL	1,958,345.71	1,058,420.43	9+44.87 67.25' RL	1,957,384.63	1,058,424.31
36+50.89 40.00' LL	1,960,097.93	1,058,443.94	9+45.02 62.26' RL	1,957,386.45	1,058,419.65
36+50.87 51.00' LL	1,960,098.00	1,058,432.94	15+56.66 55.00' RL	1,958,003.02	1,058,522.79
38+27.72 51.00' LL	1,960,274.84	1,058,434.31	15+56.66 57.00' RL	1,958,003.01	1,058,524.79
38+27.72 46.00' LL	1,960,274.80	1,058,439.31	16+29.50 57.00' RL	1,958,075.85	1,058,525.35
40+18.26 46.00' LL	1,960,465.44	1,058,440.78	16+84.49 56.00' RL	1,958,130.85	1,058,524.78
40+95.45 49.78' LL	1,960,542.49	1,058,437.53	17+87.09 56.00' RL	1,958,233.44	1,058,525.57
42+34.84 49.78' LL	1,960,681.89	1,058,438.44	18+16.82 73.95' RL	1,958,283.04	1,058,543.76
43+98.02 49.71' LL	1,960,745.07	1,058,438.93	19+16.44 64.96' RL	1,958,362.72	1,058,535.53
43+84.82 57.57' LL	1,960,831.91	1,058,431.64	19+65.22 50.00' RL	1,958,411.62	1,058,520.94
			36+50.06 50.00' RL	1,960,096.40	1,058,533.93
			36+74.39 103.58' RL	1,960,120.32	1,058,587.70
			37+40.35 70.02' RL	1,960,186.53	1,058,554.65
			37+60.32 50.00' RL	1,960,206.67	1,058,534.78

Proposed Temporary Easement

Station / Description	Northing	Easting	Station / Description	Northing	Easting
13+84.63 72.13' LL	1,957,832.35	1,058,394.33	8+10.12 58.78' RL	1,957,263.55	1,058,373.52
13+84.54 87.13' LL	1,957,832.47	1,058,379.33	8+09.88 63.78' RL	1,957,261.94	1,058,378.26
14+50.00 87.14' LL	1,957,897.47	1,058,379.83	8+27.29 64.31' RL	1,957,278.61	1,058,378.61
14+50.00 72.14' LL	1,957,897.35	1,058,394.83	9+44.87 67.25' RL	1,957,384.63	1,058,378.61
16+35.00 70.24' LL	1,958,082.33	1,058,396.16	9+59.81 68.00' RL	1,957,407.87	1,058,433.38
16+36.35 85.18' LL	1,958,083.80	1,058,383.23	9+59.96 63.00' RL	1,957,409.69	1,058,428.72
16+76.19 81.60' LL	1,958,123.61	1,058,387.12			
16+74.84 66.66' LL	1,958,122.14	1,058,402.05	13+08.94 74.57' RL	1,957,745.73	1,058,535.81
18+98.55 50.00' LL	1,958,345.71	1,058,420.43	13+68.40 70.28' RL	1,957,812.87	1,058,536.32
18+97.85 60.00' LL	1,958,345.10	1,058,410.42	13+68.63 80.28' RL	1,957,812.79	1,058,546.32
19+20.64 60.00' LL	1,958,367.89	1,058,410.60	14+50.00 80.00' RL	1,957,896.18	1,058,546.97
19+20.64 50.00' LL	1,958,367.81	1,058,420.60	14+50.00 75.00' RL	1,957,896.22	1,058,541.97
			15+85.00 65.00' RL	1,958,031.29	1,058,533.01
			15+85.00 75.00' RL	1,958,031.21	1,058,543.01
31+93.17 50.00' LL	1,959,840.30	1,058,430.41	16+29.50 65.00' RL	1,958,075.79	1,058,543.01
36+50.87 50.00' LL	1,960,097.99	1,058,433.94			
36+50.85 72.36' LL	1,960,098.14	1,058,411.58			
			16+84.49 75.00' RL	1,958,130.70	1,058,543.78
			17+98.84 75.00' RL	1,958,243.04	1,058,544.64
37+60.85 72.49' LL	1,960,208.13	1,058,412.30	18+04.02 81.27' RL	1,958,250.18	1,058,550.97
37+60.87 56.00' LL	1,960,208.03	1,058,428.79	18+17.32 81.27' RL	1,958,263.48	1,058,551.07
38+27.72 56.00' LL	1,960,274.88	1,058,429.31			
38+27.72 51.00' LL	1,960,274.84	1,058,434.31	19+48.92 50.00' RL	1,958,305.28	1,058,525.81
40+18.26 51.00' LL	1,960,465.37	1,058,435.78	24+00.00 55.00' RL	1,958,846.34	1,058,529.29
40+95.44 54.78' LL	1,960,542.52	1,058,432.53	24+00.00 50.00' RL	1,958,846.38	1,058,524.29
42+34.02 67.78' LL	1,960,681.18	1,058,420.44	28+00.00 50.00' RL	1,959,246.37	1,058,527.38
42+34.62 54.78' LL	1,960,681.69	1,058,433.44	28+00.00 58.00' RL	1,959,246.31	1,058,535.38
			28+60.00 58.00' RL	1,959,306.31	1,058,535.84
			28+60.00 50.00' RL	1,959,306.37	1,058,527.84

LEGEND

9 10 16 15 SECTION CORNER

16 15 QUARTER SECTION CORNER

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

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

129.32'

129.32' (COMP)

(129.32')

- IRON PIPE OR ROD FOUND
 - + CUT CROSS FOUND OR SET
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET
- Notes:**
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.

28+94.92 50.00' RL	1,959,341.29	1,058,528.11
28+94.92 65.00' RL	1,959,341.18	1,058,543.11
29+20.22 65.00' RL	1,959,366.47	1,058,543.30
29+60.92 50.00' RL	1,959,407.17	1,058,543.62
29+60.92 65.00' RL	1,959,407.29	1,058,528.62
31+20.06 50.00' RL	1,959,566.42	1,058,529.85
31+20.06 55.00' RL	1,959,566.38	1,058,534.85
33+50.46 55.00' RL	1,959,796.78	1,058,536.62
36+52.33 55.00' RL	1,960,098.63	1,058,538.95
38+80.12 48.00' RL	1,960,328.48	1,058,533.71
40+50.00 48.01' RL	1,960,496.41	1,058,535.02
40+50.00 50.01' RL	1,960,496.39	1,058,537.02
40+84.38 50.05' RL	1,960,530.77	1,058,537.28
40+84.38 48.05' RL	1,960,530.79	1,058,535.28
44+02.99 48.41' RL	1,960,849.39	1,058,537.74
44+22.84 68.33' RL	1,960,869.10	1,058,557.79

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, 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 CRYSTAL LAKE, ILLINOIS, THIS 17TH DAY OF JANUARY, 2017 A.D.

Anthony E. Bianchini

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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



"LICENSE EXPIRES 11-30-2018"

BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 2582 / PLUM GROVE ROAD

LIMITS: IL ROUTE 72 TO IL ROUTE 58 COUNTY: COOK
SECTION: 14-00115-00-PV JOB NO.: R-90-005-16
STA. - TO STA. -
SCALE: 1" = 150' SHEET 3 OF 11 SHEETS

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

REVISION DATE: 01-13-2017 REVISION MADE BY: AEB

IDOT USE ONLY

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - AB	REVISED -
DRAWN - UKB	REVISED -
CHECKED - AB	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PlatOfHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	74
				CONTRACT NO. 61E29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

I:\CRYSTAL LAKE\SCHAMU\150615-PLUM GROVE RD PH I\CADD\PLATS\150615 - PLATS.DWG Sheet 3
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I:\CRYSTAL LAKE\SCHAMU\150615-B&W.tbl
I:\CADD\Plots\150615-B&W.tbl
I:\CRYSTAL LAKE\SCHAMU\150615-PLUM GROVE RD PH I\CADD\150615-SHT-PlatOfHwys.dgn

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
5/21/2018 8:51:32 AM

SECTION CORNER 16 15 QUARTER SECTION CORNER

GRAPHIC SCALE
0 30
SCALE: 1" = 30'

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
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET

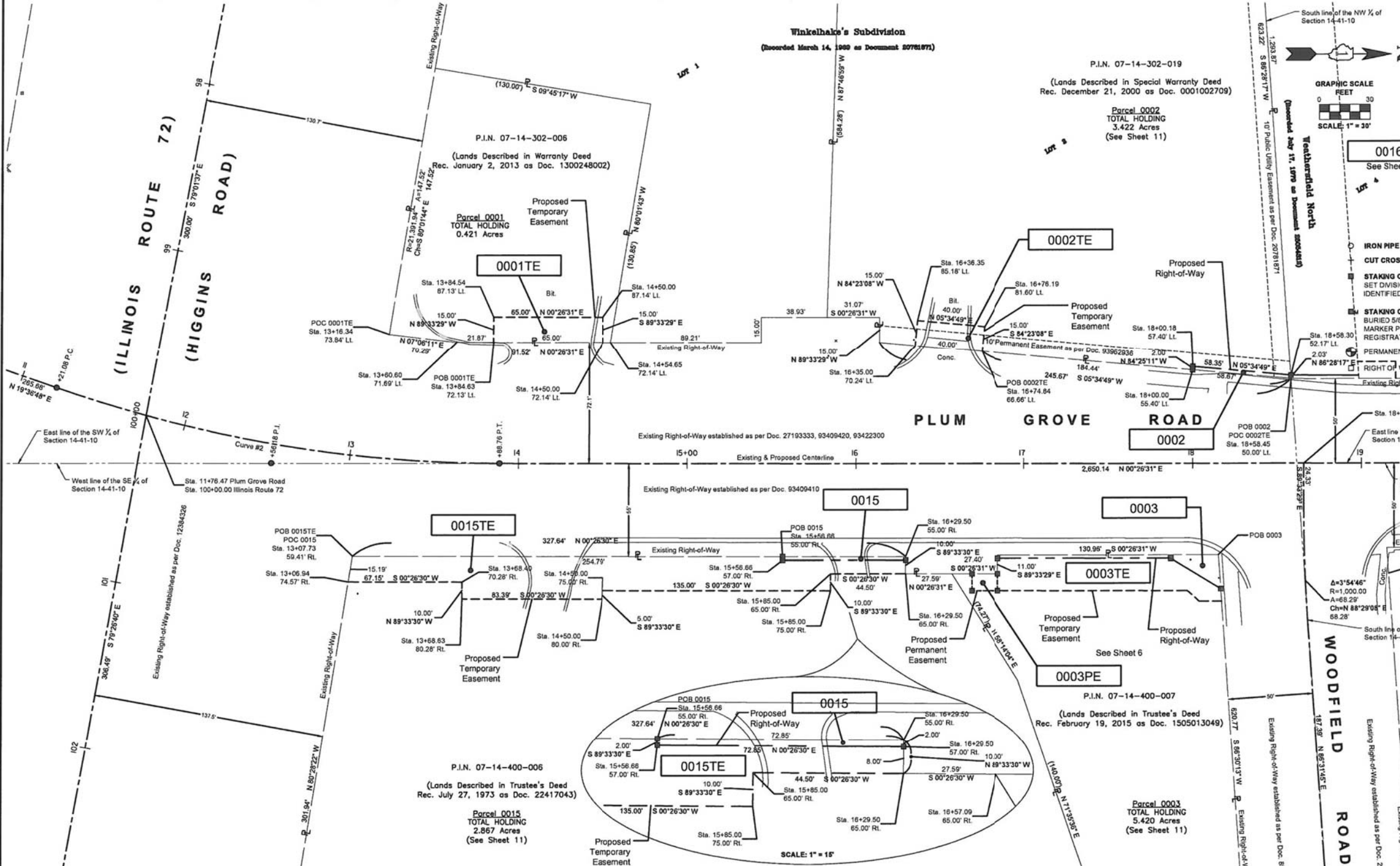
STAKING OF PROPOSED RIGHT OF WAY.
SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.

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

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

RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:
• Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
• Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
• All dimensions are measured unless otherwise noted.
• All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.



PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0001TE	0.421	N/A	N/A	0.421	0.022	-	07-14-302-006
0002 0002TE	3.422	0.003 (117 sq.ft.)	N/A	3.419	0.014	-	07-14-302-019
0003 0003PE 0003TE	5.420	0.012	N/A	5.408	0.004 0.054	156 -	07-14-400-007
0015 0015TE	2.867	0.003 (146 sq.ft.)	N/A	2.864	0.139	-	07-14-400-006

BAXTER & WOODMAN
Consulting Engineers
8078 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-455-1200 • FAX: 815-455-0450

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 2582 / PLUM GROVE ROAD
LIMITS : IL ROUTE 72 TO IL ROUTE 58 COUNTY : COOK
SECTION : 14-00115-00-PV STA. 11+00 TO STA. 19+00 JOB NO. : R-90-005-16
SCALE : 1" = 30' SHEET 5 OF 11 SHEETS
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, 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 CRYSTAL LAKE, ILLINOIS THIS 13TH DAY OF FEBRUARY, 2017 A.D.

ANTHONY E. BIANCHINI
035-703603
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
CRYSTAL LAKE, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003003
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

"LICENSE #PIRES 11-30-2018"

I:\CRYSTAL LAKE\SCHAMBURG\150615-PLUM GROVE RD PH I\CADD\PLATE\150615 - PLATS.DWG Sheet 5
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BAXTER & WOODMAN
Consulting Engineers

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DRAWN - UKB	REVISED -
CHECKED - AB	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PlatOfHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

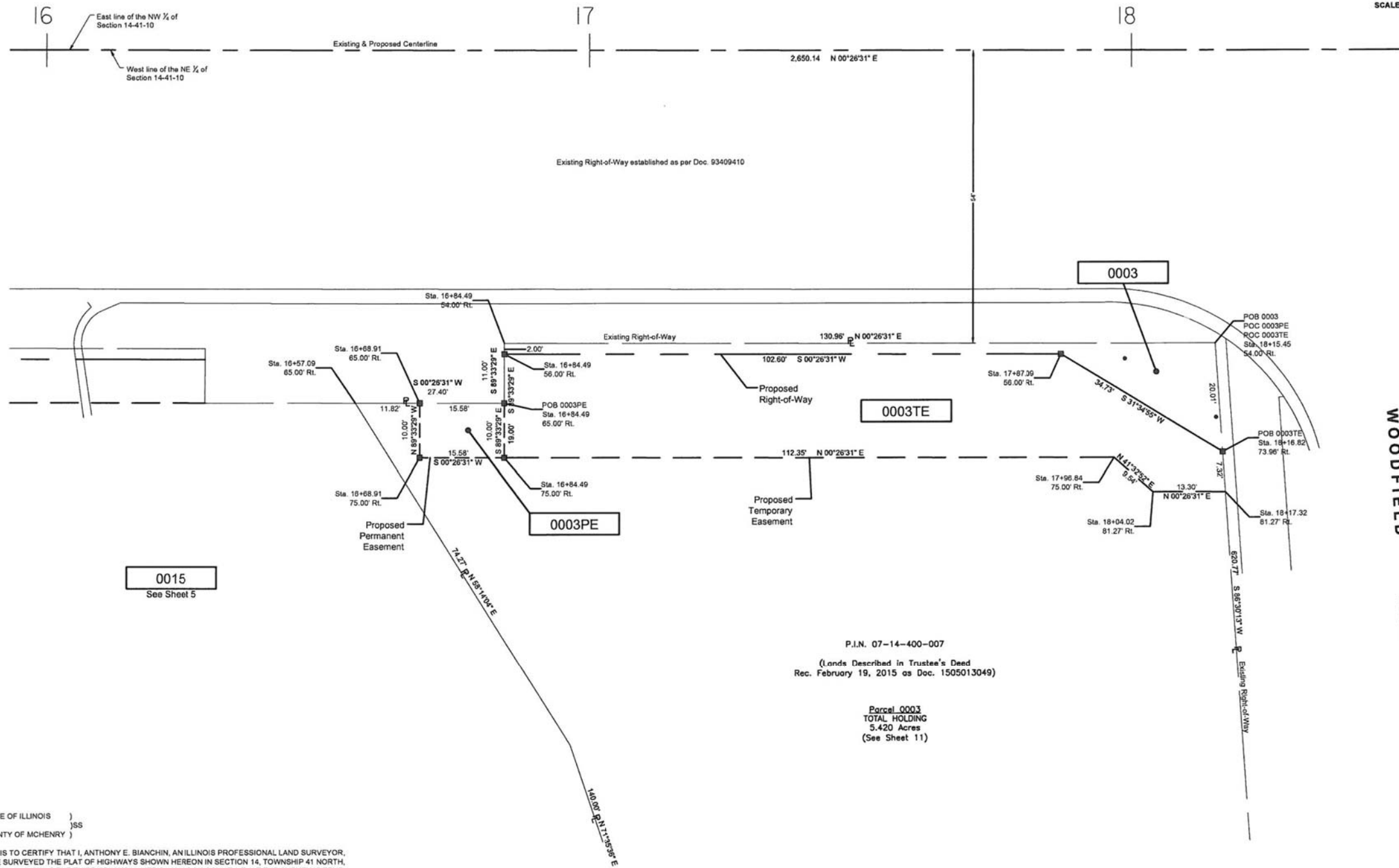
SCALE: TO STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	75
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

SECTION CORNER 16 SECTION CORNER 15

GRAPHIC SCALE
FEET
0 10
SCALE: 1" = 10'

- 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
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL 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 SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- All dimensions are measured unless otherwise noted.
- All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, 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 CRYSTAL LAKE, ILLINOIS, THIS 13TH DAY OF JANUARY, 2017 A.D.

Anthony E. Bianchini
ANTHONY E. BIANCHINI
035-703603
PROFESSIONAL
LAND SURVEYOR
STATE OF
ILLINOIS
CRYSTAL LAKE, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003803
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

"LICENSE E/PIRES 11-30-2018"

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0003	5.420	0.012	N/A	5.408	0.004	156	07-14-400-007
0003PE 0003TE					0.054	-	

BAXTER & WOODMAN
Consulting Engineers
8078 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60912
PHONE 815-459-1200 • FAX 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 2582 / PLUM GROVE ROAD

LIMITS : IL ROUTE 72 TO IL ROUTE 68 COUNTY : COOK
SECTION : 14-00115-00-PV JOB NO. : R-90-005-16
STA. 16+00 TO STA. 18+50
SCALE : 1" = 10' SHEET 6 OF 11 SHEETS

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

REVISION DATE: 01-13-2017 REVISION MADE BY: AEB

I:\CRYSTAL LAKE\SCHAM\150615-PLUM GROVE RD PH I\CADD\PLATS\150615 - PLATS.DWG Sheet 6
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LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
744Jf

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - AB	REVISED -
DRAWN - UKB	REVISED -
CHECKED - AB	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PlatofHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

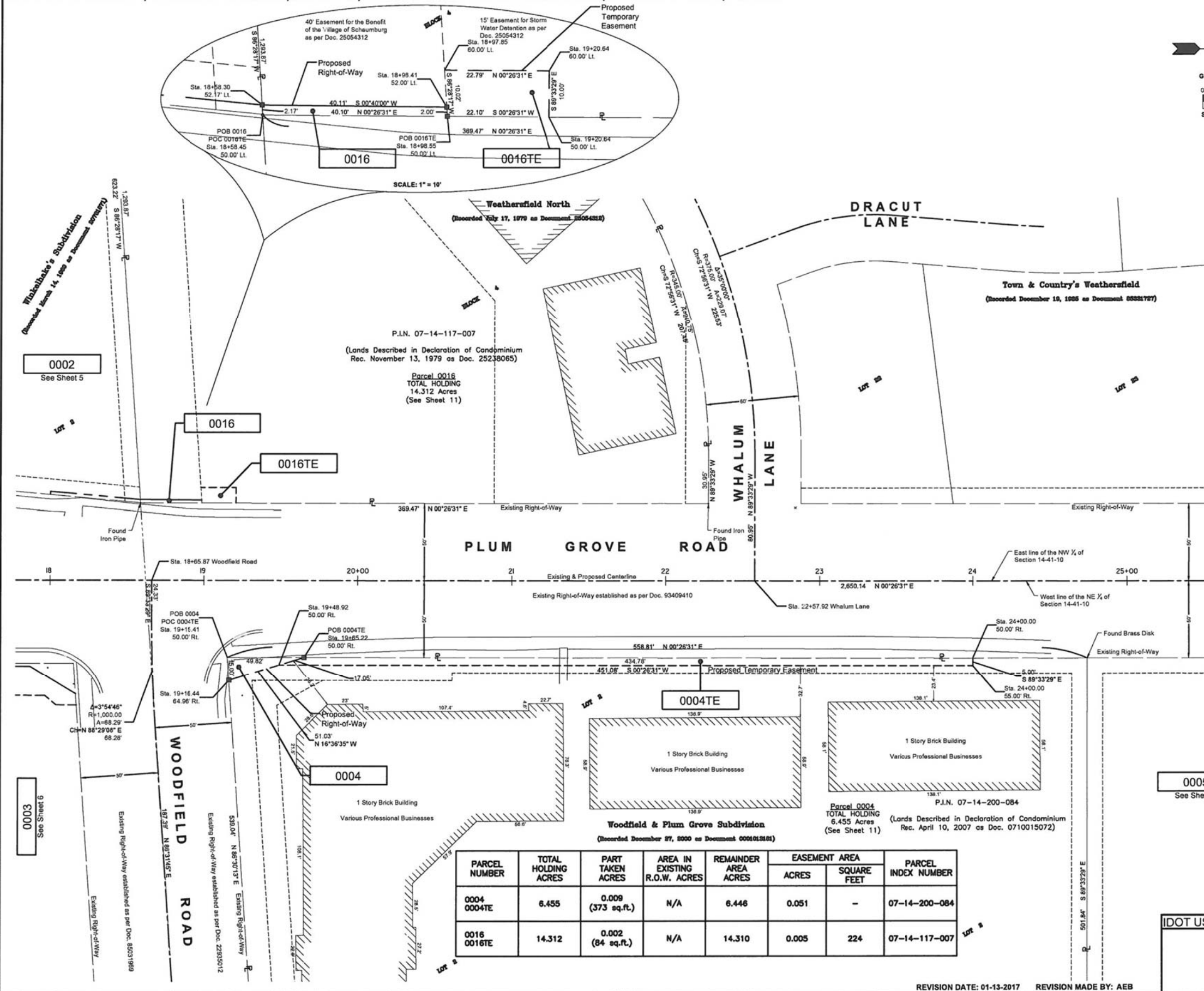
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	76
FED. ROAD DIST. NO. 1 ILLINOIS				FED. AID PROJECT C-91-060-16

PART OF SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND

SECTION CORNER 9 10 15 16 QUARTER SECTION CORNER

- 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
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION 129.32'
- COMPUTED DIMENSION 129.32' (COMP)
- RECORDED DIMENSION 129.32'
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- "MAG" NAIL SET
- 5/8" REBAR SET



Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
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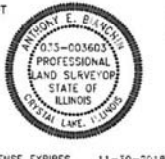
STATE OF ILLINOIS)
 COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, 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 CRYSTAL LAKE, ILLINOIS THIS 13TH DAY OF JANUARY, 2017 A.D.

Anthony E. Bianchi
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003803
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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



BAXTER & WOODMAN
 Consulting Engineers
 3678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60912
 PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAU 2582 / PLUM GROVE ROAD

LIMITS : IL ROUTE 72 TO IL ROUTE 58 COUNTY : COOK
 SECTION : 14-00115-00-PV JOB NO. : R-90-005-16
 STA. 18+00 TO STA. 25+50
 SCALE : 1" = 30' SHEET 7 OF 11 SHEETS

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

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0004 0004TE	6.455	0.009 (373 sq.ft.)	N/A	6.446	0.051	-	07-14-200-084
0016 0016TE	14.312	0.002 (84 sq.ft.)	N/A	14.310	0.005	224	07-14-117-007

REVISION DATE: 01-13-2017 REVISION MADE BY: AEB

I:\CRYSTAL LAKE\SCHAMU\150615-PLUM GROVE RD PH IN\CADD\PLATS\150615 - PLATS.DWG Sheet 7
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DESIGNED - AB	REVISED -
DRAWN - UKB	REVISED -
CHECKED - AB	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PlatofHwys.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

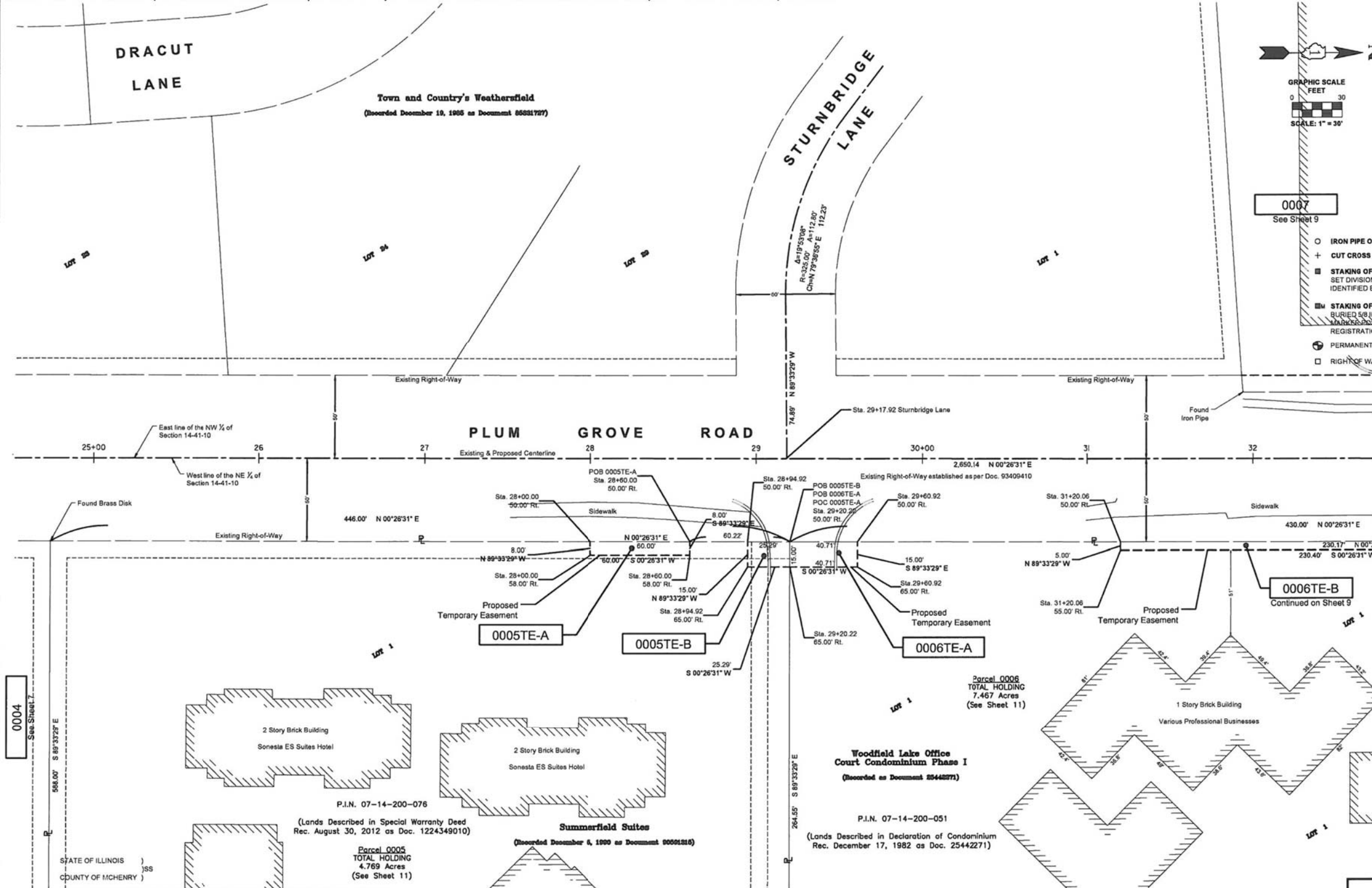
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	77
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

SECTION CORNER 16 SECTION CORNER 15

GRAPHIC SCALE FEET
SCALE: 1" = 30'

0007
See Sheet 9

- 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
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- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
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- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- "MAG" NAIL SET
- 5/8" REBAR SET



Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- All dimensions are measured unless otherwise noted.
- All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, 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 CRYSTAL LAKE, ILLINOIS THIS 17th DAY OF FEBRUARY, 2017 A.D.

ANTHONY E. BIANCHINI
035-003603
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
CRYSTAL LAKE, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

"LICENSE EXPIRES 11-30-2018"

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0005TE-A 0005TE-B	4.769	N/A	N/A	4.769	0.011 0.009	- 379	07-14-200-076
0006TE-A 0006TE-B	7.467	N/A	N/A	7.467	0.014 0.028	- -	07-14-200-051

BAXTER & WOODMAN
Consulting Engineers
8679 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60412
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 2582 / PLUM GROVE ROAD

LIMITS: IL ROUTE 72 TO IL ROUTE 58 COUNTY: COOK
SECTION: 14-00115-00-PV JOB NO.: R-90-005-16
STA. 24+50 TO STA. 32+00
SCALE: 1" = 30' SHEET 8 OF 11 SHEETS

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

REVISION DATE: 02-13-2017 REVISION MADE BY: AEB

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2018
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 5/21/2018



DESIGNED - AB	REVISED -
DRAWN - UKB	REVISED -
CHECKED - AB	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PlatOfHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	78
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

PART OF SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND

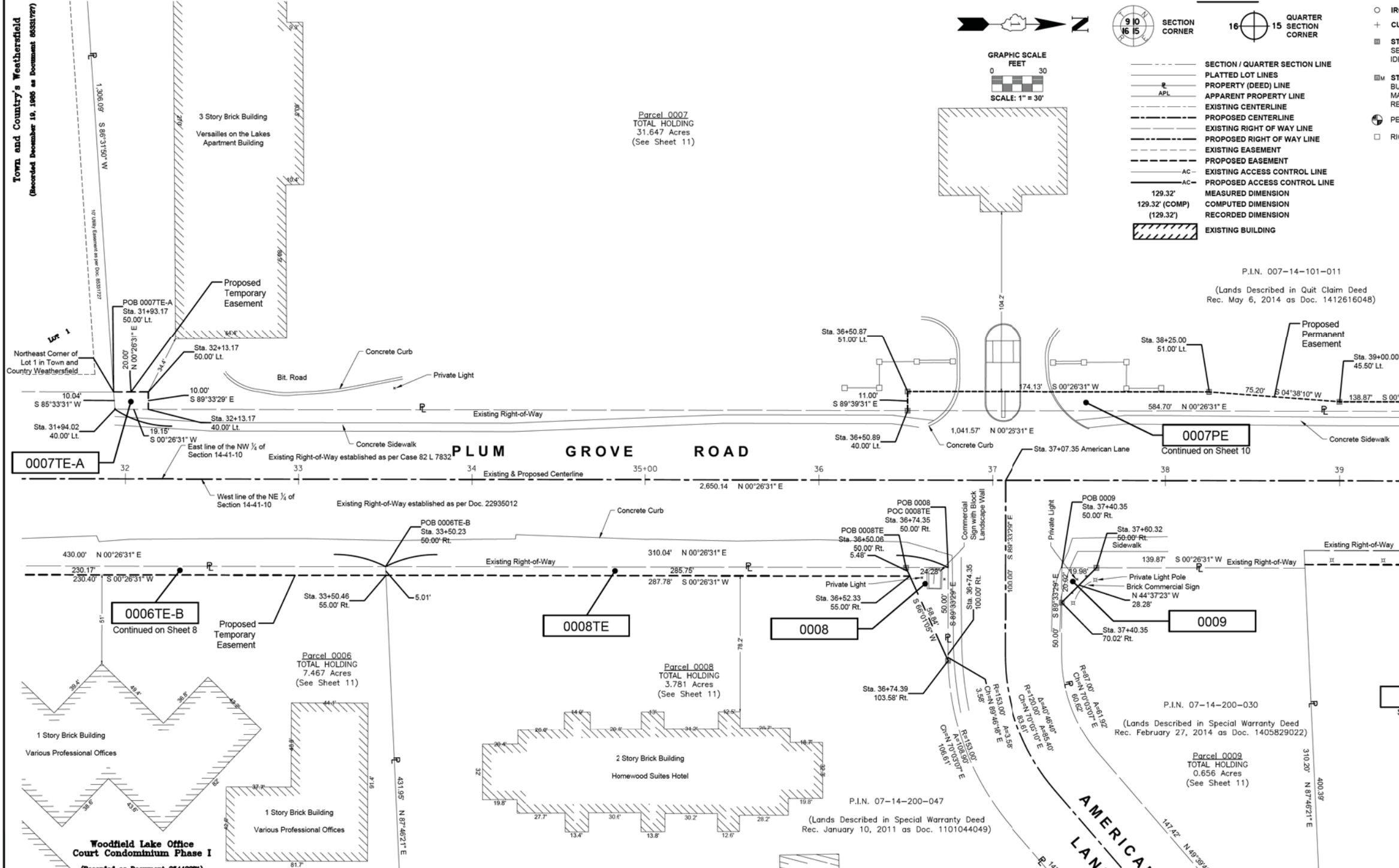
GRAPHIC SCALE FEET
SCALE: 1" = 30'

SECTION CORNER
QUARTER SECTION CORNER

- 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 DIMENSION
- 129.32' 129.32' (COMP) 129.32'
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:
• Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
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PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0006TE-A 0006TE-B	7.467	N/A	N/A	7.467	0.014 0.028	- -	07-14-200-051
0007PE-A 0007TE-B 0007TE-C	31.647	N/A	N/A	31.647	0.101 0.004 0.012 0.001	- 196 - 43	07-14-101-011
0008 0008TE	3.781	0.015	N/A	3.766	0.033	-	07-14-200-047
0009	0.656	0.005 (200 Sq.Ft.)	N/A	0.651	-	-	07-14-200-030

BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 2582 / PLUM GROVE ROAD

LIMITS : IL ROUTE 72 TO IL ROUTE 58 COUNTY : COOK
SECTION : 14-00115-00-PV JOB NO. : R-90-005-16
STA. 31+50 TO STA. 39+50
SCALE : 1" = 30' SHEET 9 OF 11 SHEETS

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

REVISION DATE: 03-23-2018 REVISION MADE BY: AEB
REVISION DATE: 02-13-2017 REVISION MADE BY: AEB

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

(Lands Described in Declaration of Condominium Rec. December 17, 1982 as Doc. 25442271)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, 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 CRYSTAL LAKE, ILLINOIS THIS 23RD DAY OF MARCH, 2018 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

ANTHONY E. BIANCHIN
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
CRYSTAL LAKE, ILLINOIS

"LICENSE EXPIRES 11-30-2018"

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00121 - EXPIRES 4/30/2019
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CHECKED - AB	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PlatOfHwys.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

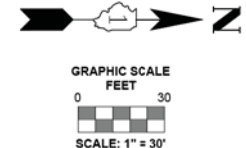
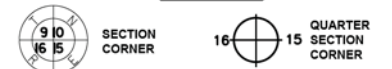
PLAT OF HIGHWAYS

SCALE: STA. TO STA.

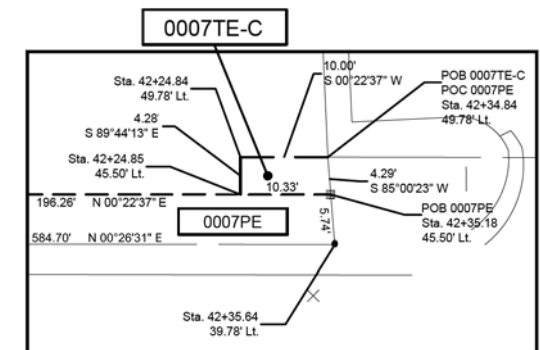
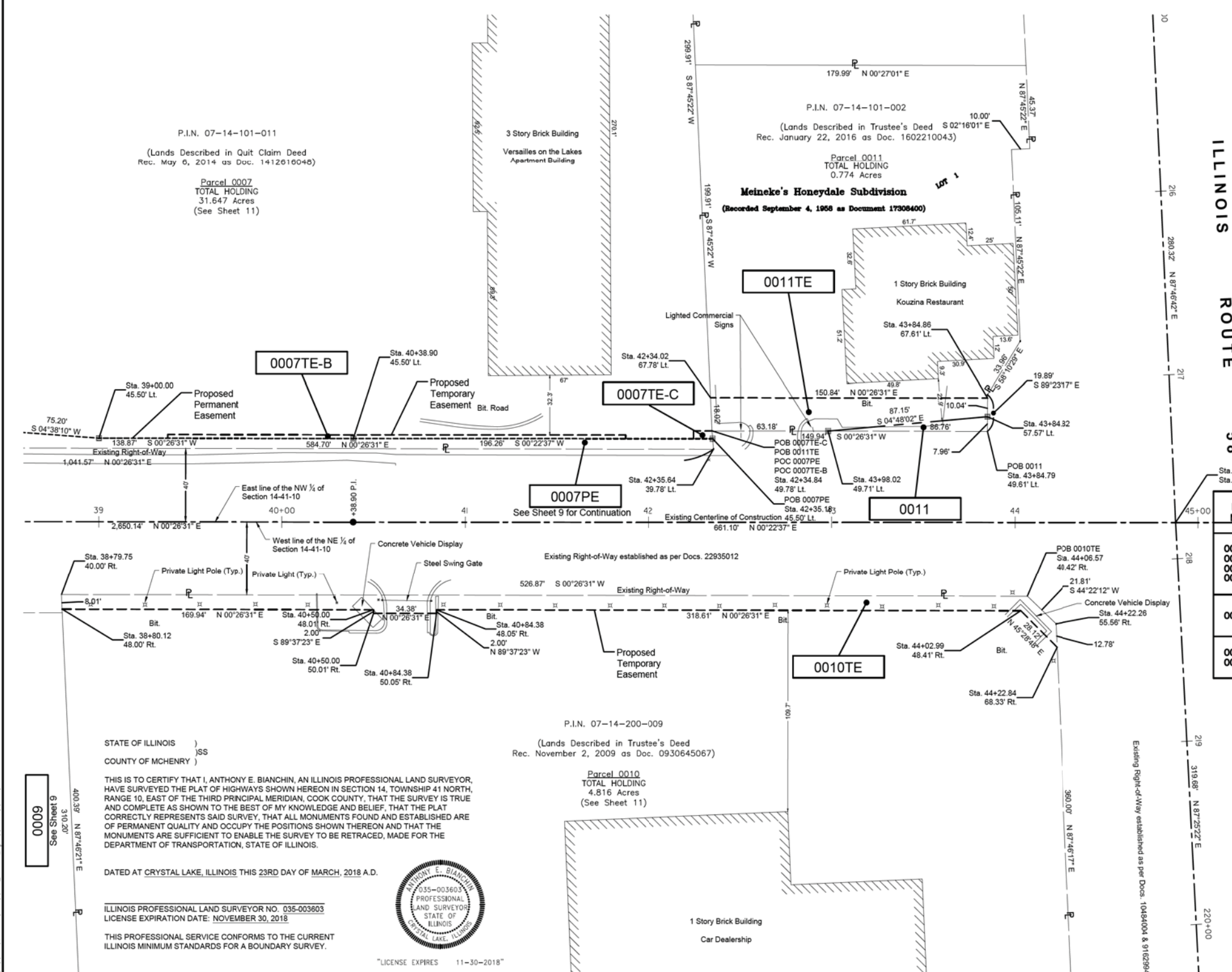
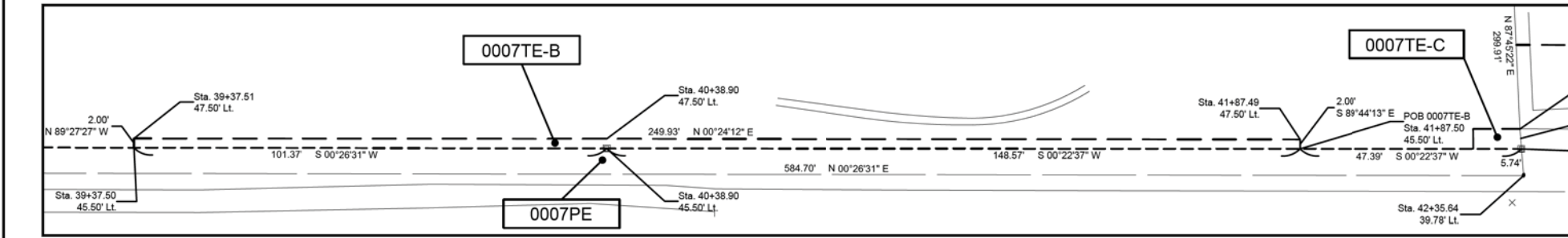
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	79
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

PART OF SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND



- Notes:
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
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- 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
 - EXISTING ACCESS CONTROL LINE
 - PROPOSED ACCESS CONTROL LINE
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORDED DIMENSION
 - EXISTING BUILDING
 - IRON PIPE OR ROD FOUND
 - CUT CROSS FOUND OR SET
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
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 - RIGHT OF WAY STAKING PROPOSED TO BE SET
 - "MAG" NAIL SET
 - 5/8" REBAR SET



PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0007PE 0007E-A 0007E-B 0007E-C	31.647	N/A	N/A	31.647	0.101 0.004 0.012 0.001	196 43	07-14-101-011
0010TE	4.816	-	N/A	4.816	0.103	-	07-14-200-009
0011 0011TE	0.774	0.008 (345 Sq.Ft.)	N/A	0.766	0.054	-	07-14-101-002

REVISION DATE: 03-23-2018 REVISION MADE BY: AEB
 REVISION DATE: 05-17-2017 REVISION MADE BY: AEB
 REVISION DATE: 05-11-2017 REVISION MADE BY: AEB
 REVISION DATE: 02-13-2017 REVISION MADE BY: AEB

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAU 2582 / PLUM GROVE ROAD

LIMITS: IL ROUTE 72 TO IL ROUTE 58 COUNTY: COOK
 SECTION: 14-00115-00-PV JOB NO.: R-90-005-16
 STA. 38+50 TO STA. 45+00
 SCALE: 1" = 30' SHEET 10 OF 11 SHEETS

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

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	80
				CONTRACT NO. 61E29

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 LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
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STATE OF ILLINOIS)
 COUNTY OF MCHENRY)
) SS

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 41 NORTH, RANGE 10, 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 CRYSTAL LAKE, ILLINOIS THIS 23RD DAY OF MARCH, 2018 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

ANTHONY E. BIANCHI
 035-003603
 PROFESSIONAL
 LAND SURVEYOR
 STATE OF
 ILLINOIS
 CRYSTAL LAKE, ILLINOIS
 "LICENSE EXPIRES 11-30-2018"



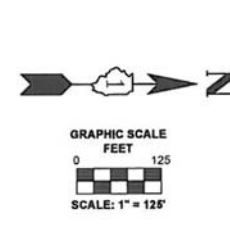
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DATE - 10-9-17	FILE - 150615-SHT-PlatOfHwys.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

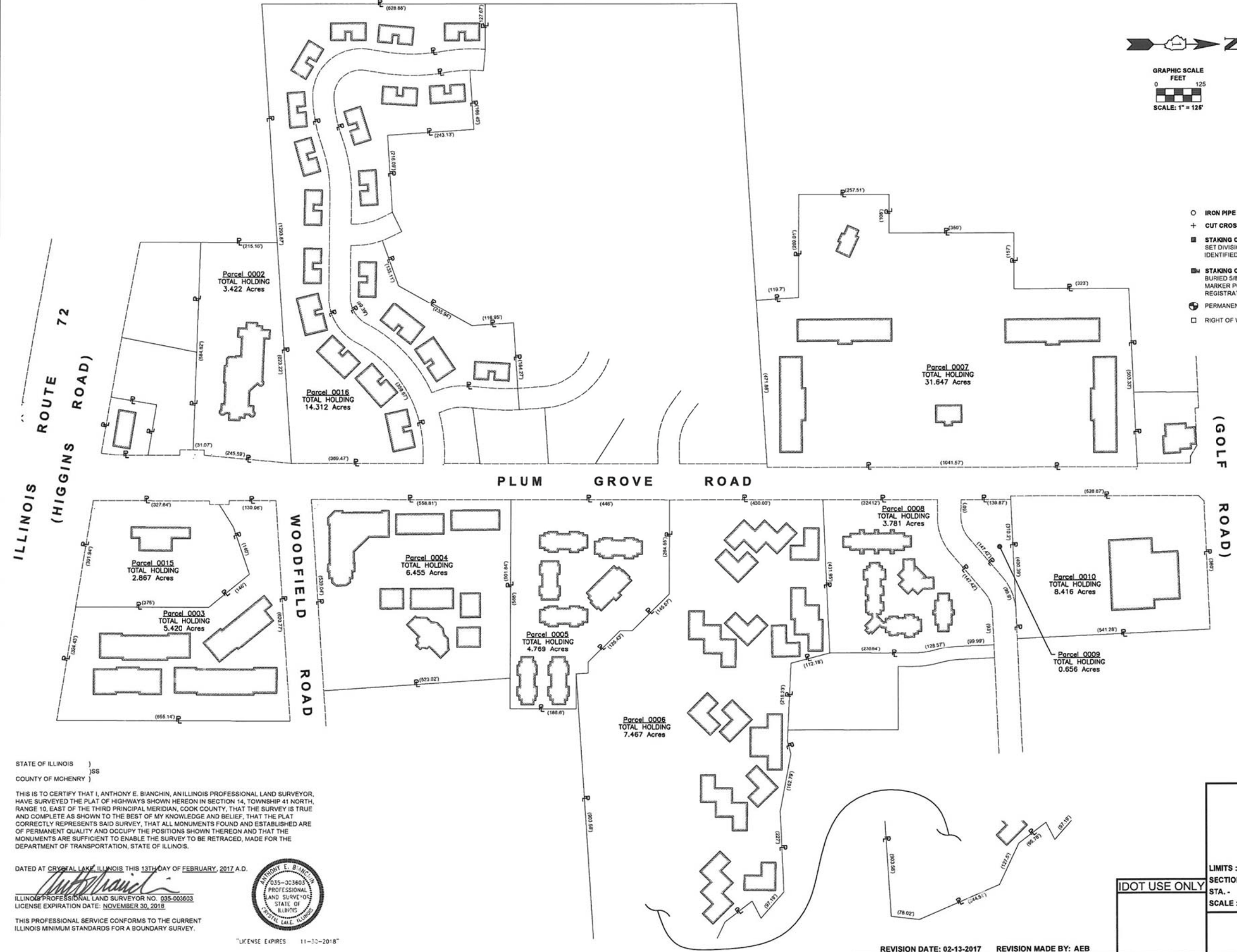
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16



- SECTION CORNER 16
- QUARTER SECTION CORNER 15
- 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
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION 129.32'
- COMPUTED DIMENSION 129.32' (COMP)
- RECORDED DIMENSION 129.32'
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET
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STATE OF ILLINOIS)
 COUNTY OF MCHENRY)
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DATED AT CRYSTAL LAKE, ILLINOIS THIS 13TH DAY OF FEBRUARY, 2017 A.D.
Anthony E. Bianchin
 ANTHONY E. BIANCHIN
 035-003603
 PROFESSIONAL LAND SURVEYOR
 STATE OF ILLINOIS
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
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 "LICENSE EXPIRES 11-30-2018"

BAXTER & WOODMAN
 Consulting Engineers
 8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60412
 PHONE: 815-459-1280 • FAX: 815-455-0450

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAU 2582 / PLUM GROVE ROAD
 LIMITS : IL ROUTE 72 TO IL ROUTE 58 COUNTY : COOK
 SECTION : 14-00115-00-PV JOB NO. : R-90-005-16
 STA. - TO STA. -
 SCALE : 1" = 125' SHEET 11 OF 11 SHEETS
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

REVISION DATE: 02-13-2017 REVISION MADE BY: AEB

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CHECKED - AB	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-PlatOfHwys.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	81

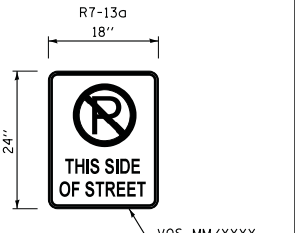
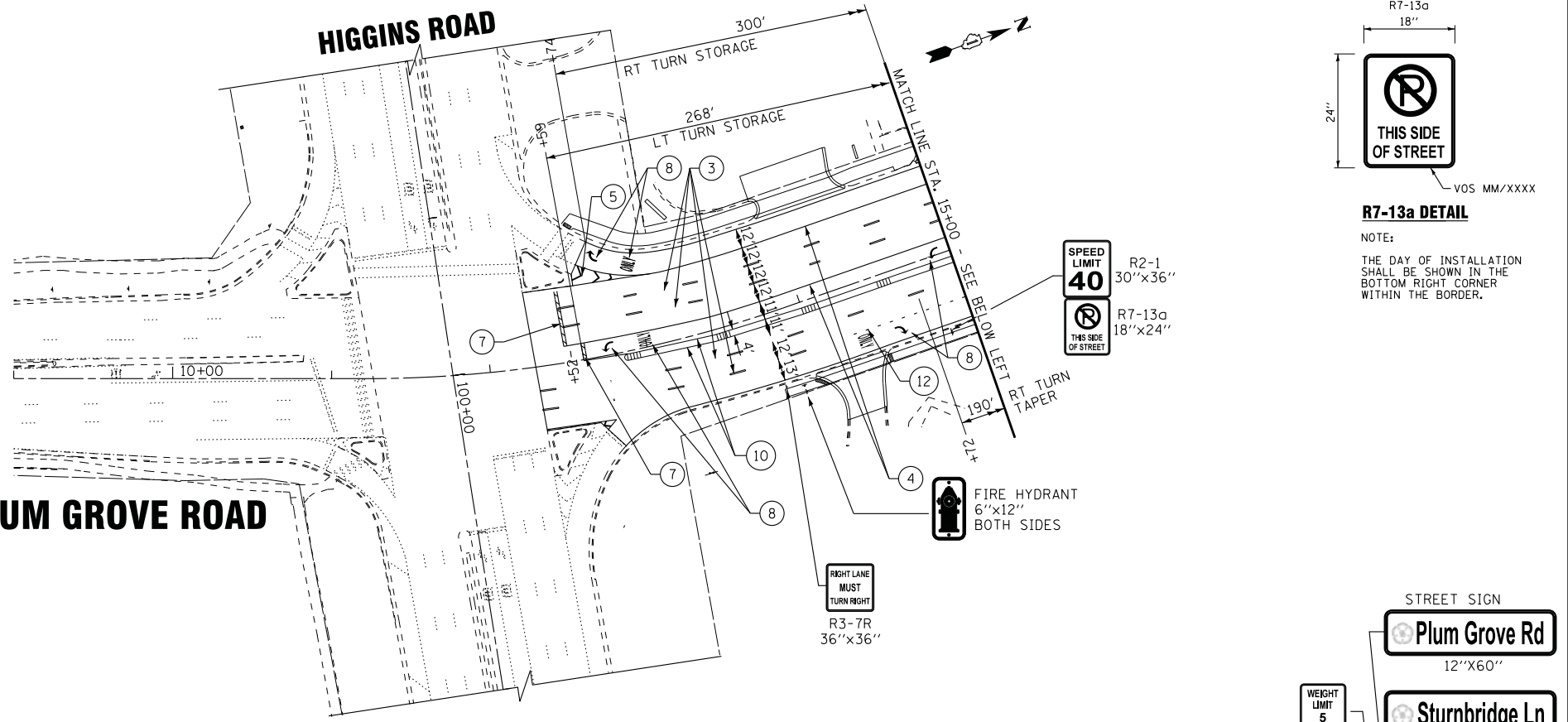
CONTRACT NO. 61E29
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16

NOTES:

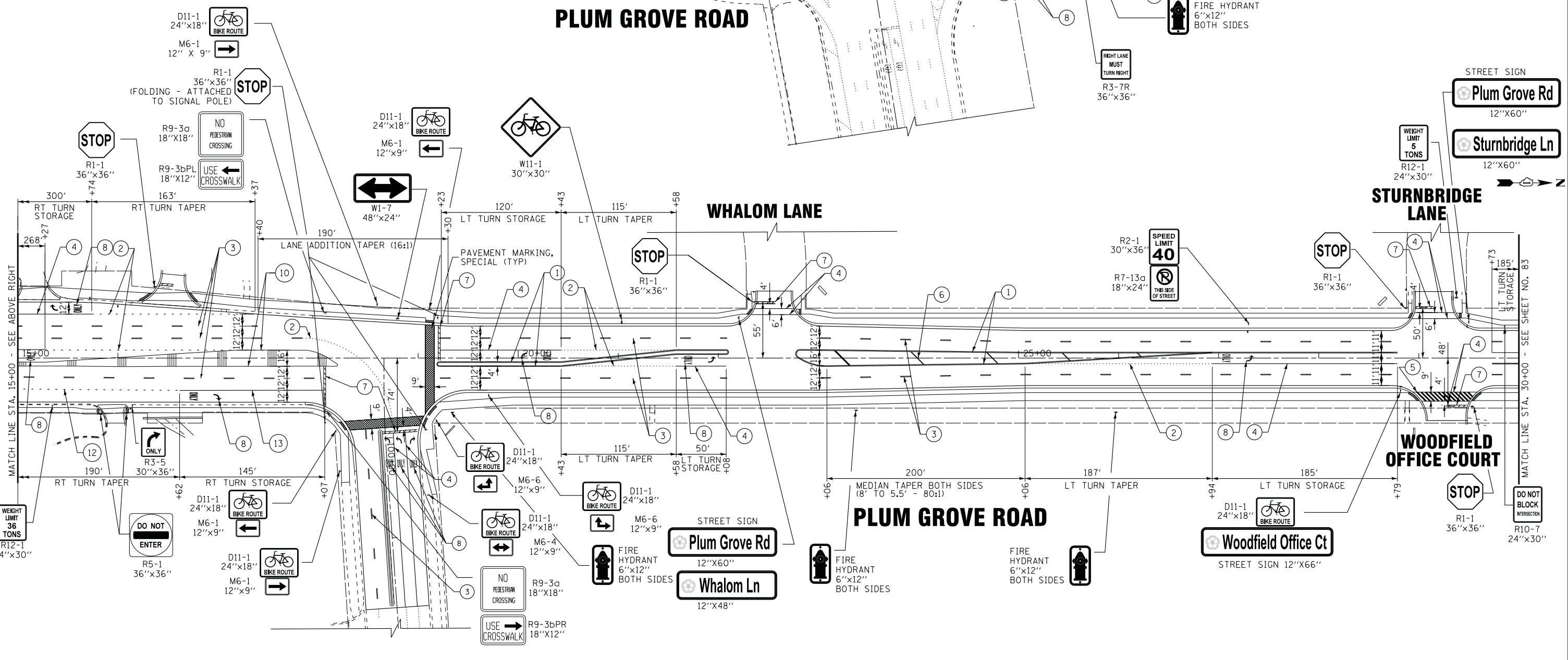
- FINAL PAVEMENT MARKING ON HOT-MIX ASPHALT PAVEMENT SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- ALL SIGNS AND POSTS TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO PUBLIC WORKS AND SHALL BE INCLUDED IN THE COST OF REMOVE SIGN PANEL ASSEMBLY OF THE CORRESPONDING TYPE.
- ALL SIGN PANELS INSTALLED ON LIGHT POLES SHALL USE A 3/4" X 0.030 THICK STAINLESS STEEL BANDING.

PAVEMENT MARKING LEGEND

- | | |
|---|--------------------------------------|
| ① LINE 4" (DOUBLE YELLOW - 11" C-C) | ⑦ LINE 24" (WHITE) STOP BAR |
| ② LINE 6" (WHITE) - 2' DASH, 6' SKIP | ⑧ LETTERS AND SYMBOLS |
| ③ LINE 4" (WHITE) SKIP DASH - 10' DASH, 30' SKIP | ⑨ NOT USED |
| ④ LINE 6" (WHITE) | ⑩ LINE 4" (YELLOW) |
| ⑤ LINE 12" (WHITE) DIAGONAL - @ 45° 3' C-C | ⑪ NOT USED |
| ⑥ LINE 12" (YELLOW) DIAGONAL - @ 45° 75' C-C OR A MINIMUM OF 5 EQUALLY SPACED | ⑫ LINE 8" (WHITE) - 3' DASH, 9' SKIP |
| | ⑬ LINE 8" (WHITE) |



R7-13a DETAIL
NOTE:
THE DAY OF INSTALLATION SHALL BE SHOWN IN THE BOTTOM RIGHT CORNER WITHIN THE BORDER.



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - AMW	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - DJS	REVISED -
	DATE - 10-9-17	FILE - 150615-SHT-Pmk1.dgn

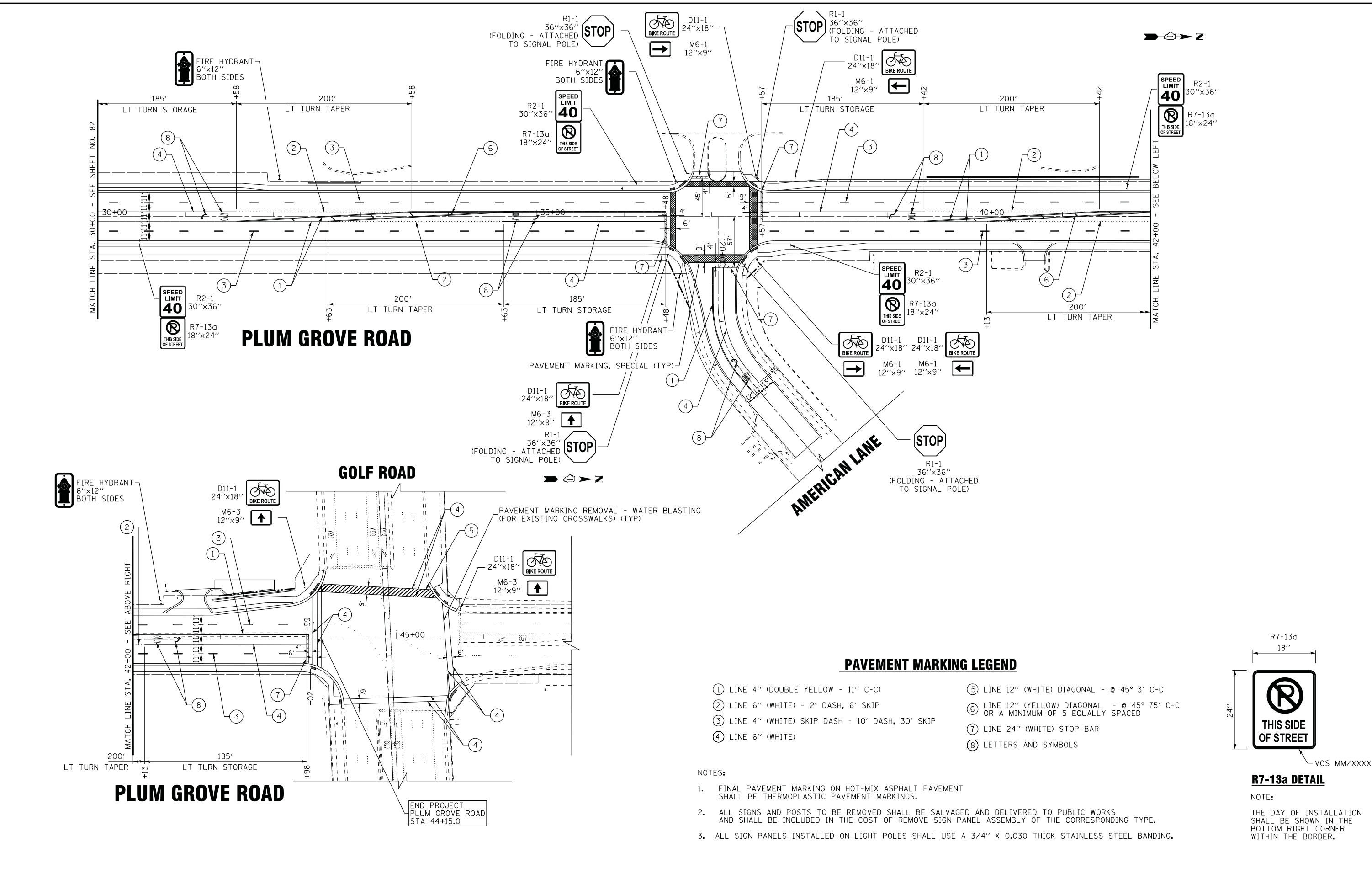
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNAGE PLAN
PLUM GROVE ROAD**

SCALE: 1"=50' STA. 13+50 TO STA. 30+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	82
CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN
 Consulting Engineers

DESIGNED -	DJS	REVISED -	
DRAWN -	UKB	REVISED -	
CHECKED -	LDH	REVISED -	
DATE -	10-9-17	FILE -	150615-SHT-Pmk2.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING PLAN
 PLUM GROVE ROAD**

SCALE: 1"=50' STA. 30+00 TO STA. 47+00

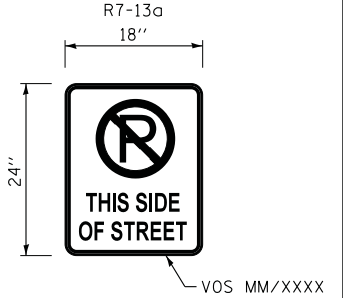
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2582	14-00115-00-PV	COOK	199	83
				CONTRACT NO. 61E29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

PAVEMENT MARKING LEGEND

- ① LINE 4" (DOUBLE YELLOW - 11" C-C)
- ② LINE 6" (WHITE) - 2' DASH, 6' SKIP
- ③ LINE 4" (WHITE) SKIP DASH - 10' DASH, 30' SKIP
- ④ LINE 6" (WHITE)
- ⑤ LINE 12" (WHITE) DIAGONAL - @ 45° 3' C-C
- ⑥ LINE 12" (YELLOW) DIAGONAL - @ 45° 75' C-C OR A MINIMUM OF 5 EQUALLY SPACED
- ⑦ LINE 24" (WHITE) STOP BAR
- ⑧ LETTERS AND SYMBOLS

NOTES:

- FINAL PAVEMENT MARKING ON HOT-MIX ASPHALT PAVEMENT SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
- ALL SIGNS AND POSTS TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO PUBLIC WORKS AND SHALL BE INCLUDED IN THE COST OF REMOVE SIGN PANEL ASSEMBLY OF THE CORRESPONDING TYPE.
- ALL SIGN PANELS INSTALLED ON LIGHT POLES SHALL USE A 3/4" X 0.030 THICK STAINLESS STEEL BANDING.

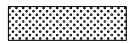
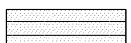




R7-13a DETAIL

NOTE:
 THE DAY OF INSTALLATION SHALL BE SHOWN IN THE BOTTOM RIGHT CORNER WITHIN THE BORDER.

HIGGINS ROAD

LEGEND

-  TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
-  TOPSOIL FURNISH AND PLACE, 8" SEEDING, CLASS 4A EROSION CONTROL BLANKET
-  MULCH WEED BARRIER FABRIC
-  PROPOSED TREE (SEE PR TREE SCHEDULE)

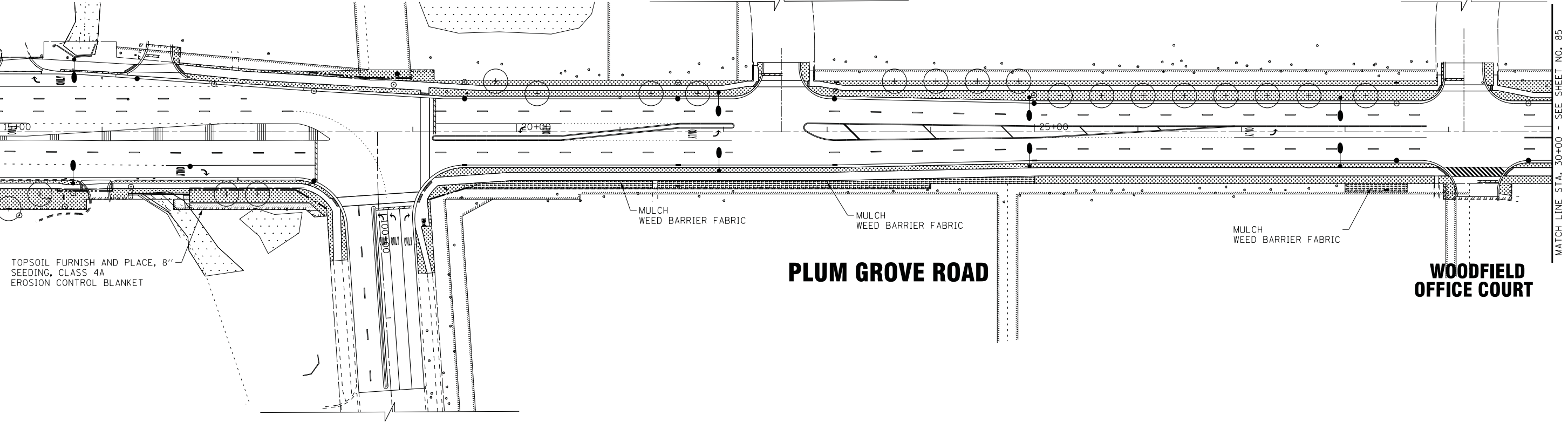
NOTES:
 EACH EX TREE SHALL RECEIVE A 5' DIAMETER MULCH RING AND WEED BARRIER FABRIC. CONTRACTOR SHALL CREATE A SPADE EDGE AT SODDED AREA ABUTTING THE MULCH RING OF EACH TREE.

PROJECT BEGINS PLUM GROVE ROAD STA 12.28.9

PLUM GROVE ROAD

WHALOM LANE

STURNBRIDGE LANE



TOPSOIL FURNISH AND PLACE, 8" SEEDING, CLASS 4A EROSION CONTROL BLANKET

MULCH WEED BARRIER FABRIC

MULCH WEED BARRIER FABRIC

MULCH WEED BARRIER FABRIC

PLUM GROVE ROAD

WOODFIELD OFFICE COURT

WOODFIELD ROAD

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00121 - EXPIRES 4/30/2019 5/21/2018 8:59:20 AM
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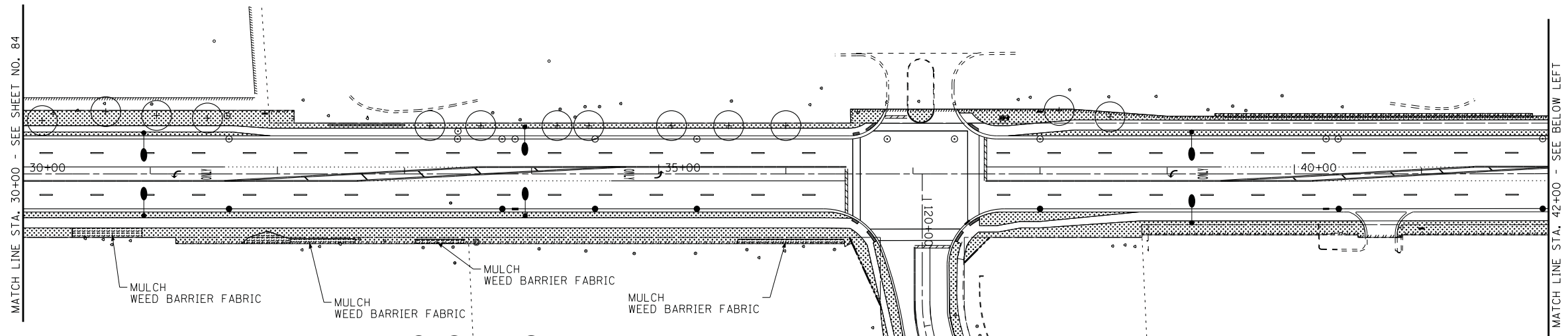
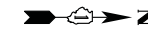
BAXTER & WOODMAN Consulting Engineers	DESIGNED - DJS	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
	DATE - 10-9-17	FILE - 150615-SHT-Landscaping1.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**LANDSCAPING PLAN
 PLUM GROVE ROAD**

SCALE: 1"=50' STA. 13+50 TO STA. 30+00

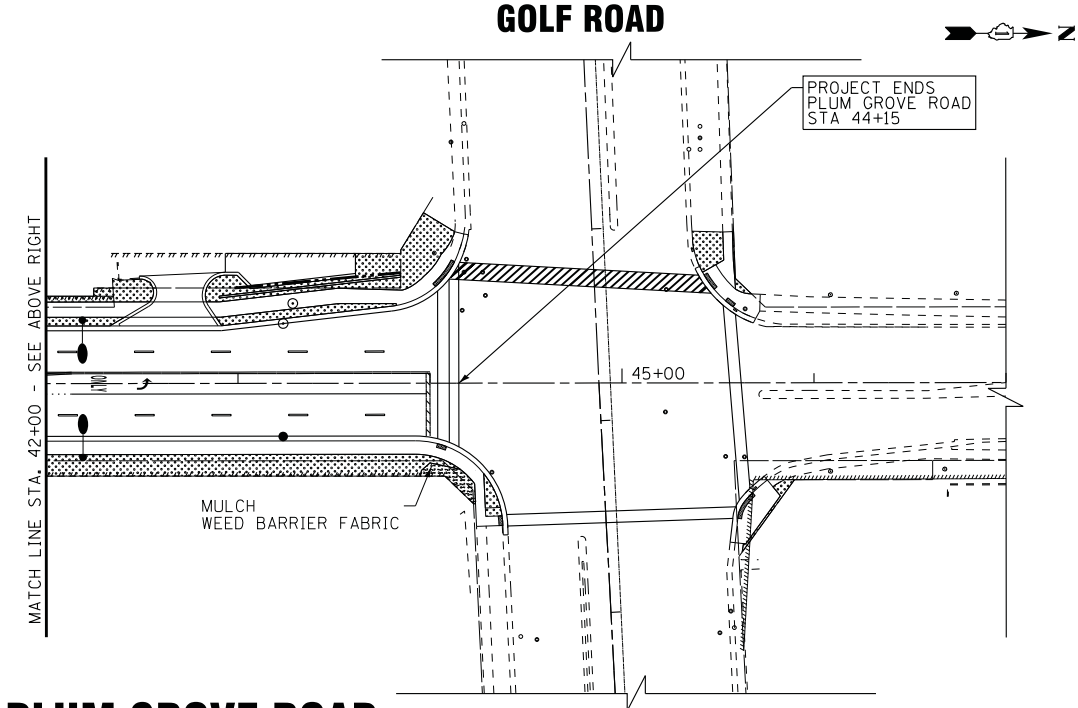
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	84
			CONTRACT NO. 61E29	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT C-91-060-16				



PLUM GROVE ROAD

MATCH LINE STA. 30+00 - SEE SHEET NO. 84

MATCH LINE STA. 42+00 - SEE BELOW LEFT




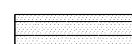
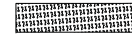

GOLF ROAD

AMERICAN LANE

PLUM GROVE ROAD

PROJECT ENDS
PLUM GROVE ROAD
STA 44+15

LEGEND

-  TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
-  TOPSOIL FURNISH AND PLACE, 8" SEEDING, CLASS 4A EROSION CONTROL BLANKET
-  MULCH WEED BARRIER FABRIC
-  PROPOSED TREE (SEE PR TREE SCHEDULE)

NOTES:

EACH EX TREE SHALL RECEIVE A 5' DIAMETER MULCH RING AND WEED BARRIER FABRIC. CONTRACTOR SHALL CREATE A SPADE EDGE AT SODDED AREA ABUTTING THE MULCH RING OF EACH TREE.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00123 - EXPIRES 4/30/2019 5/21/2018 8:59:23 AM
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CHECKED -	LDH	REVISED -	
DATE -	10-9-17	FILE -	150615-SHT-Landscping2.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
PLUM GROVE ROAD**

SCALE: 1"=50'

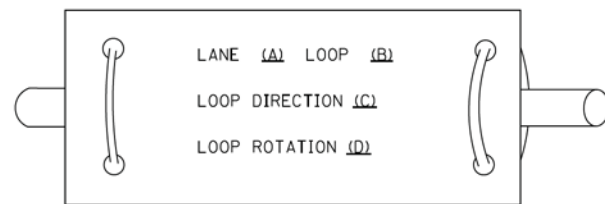
STA. 30+00 TO STA. 47+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16			CONTRACT NO. 61E29	

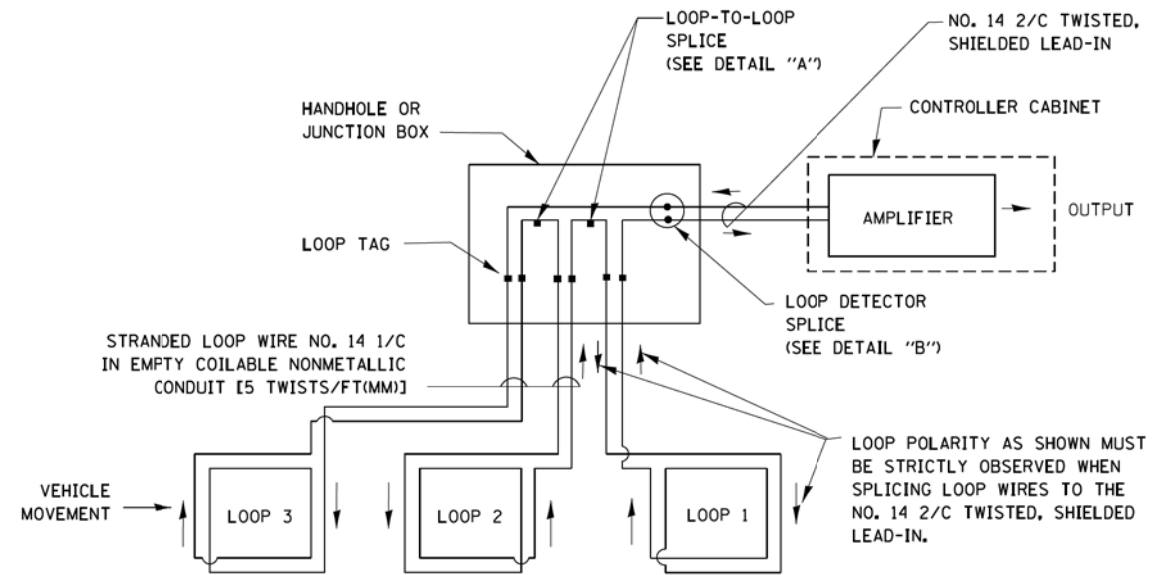
LOOP DETECTOR NOTES

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

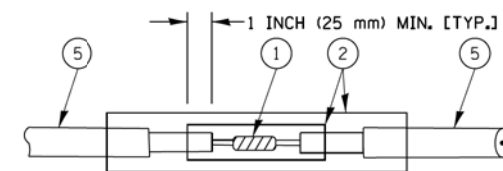


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

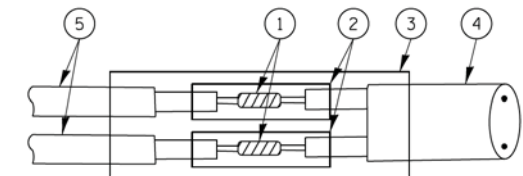


DETECTOR LOOP WIRING SCHEMATIC

- 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.

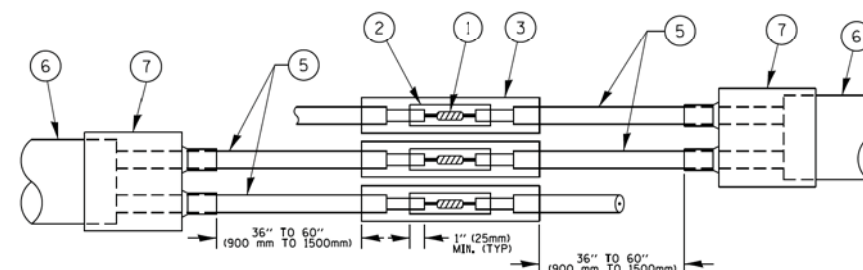


DETAIL "A"
LOOP-TO-LOOP SPLICE

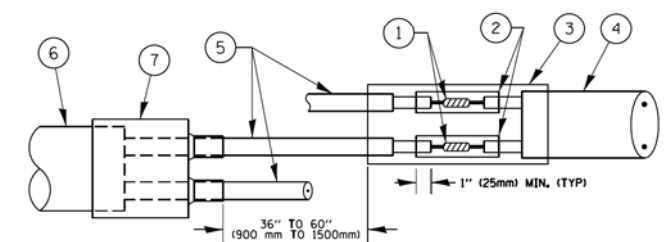


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

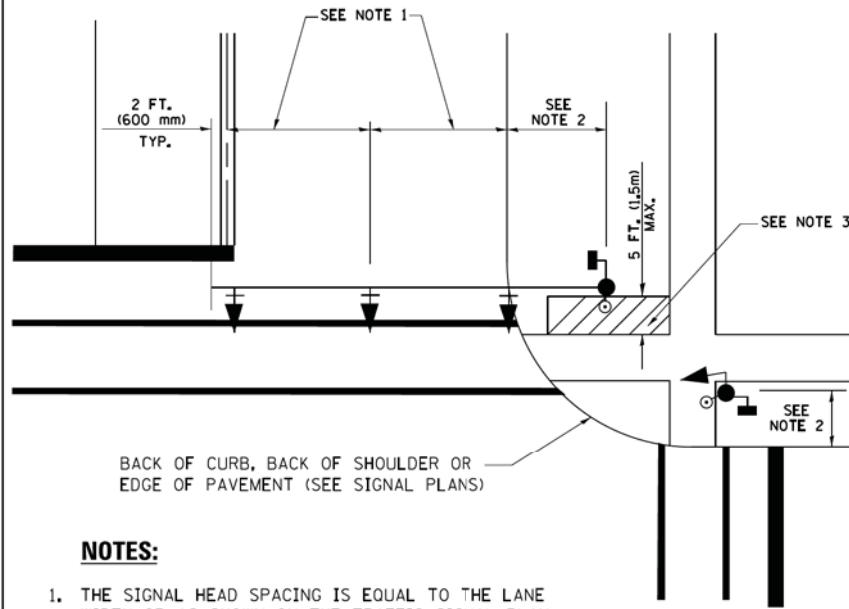
LOOP DETECTOR SPLICE

- 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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE. 2582	SECTION 14-00115-00-PV	COUNTY COOK	TOTAL SHEETS 199	SHEET NO. 87
DRAWN - BCK	CHECKED - DAD	REVISOR -	DATE - 10-28-09		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61E29		
PLOT SCALE = 50.0000' / 1"	DATE - 10-28-09	REVISOR -	DATE - 10-28-09		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16							
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISOR -	DATE - 10-28-09									

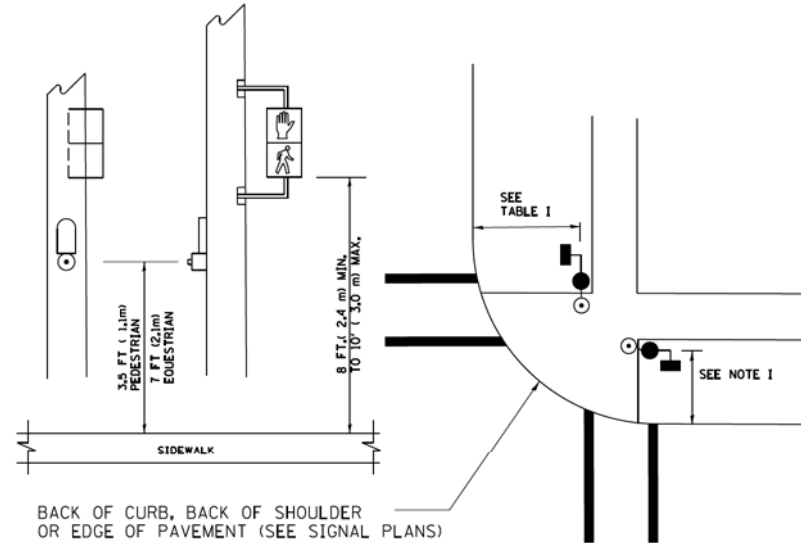
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

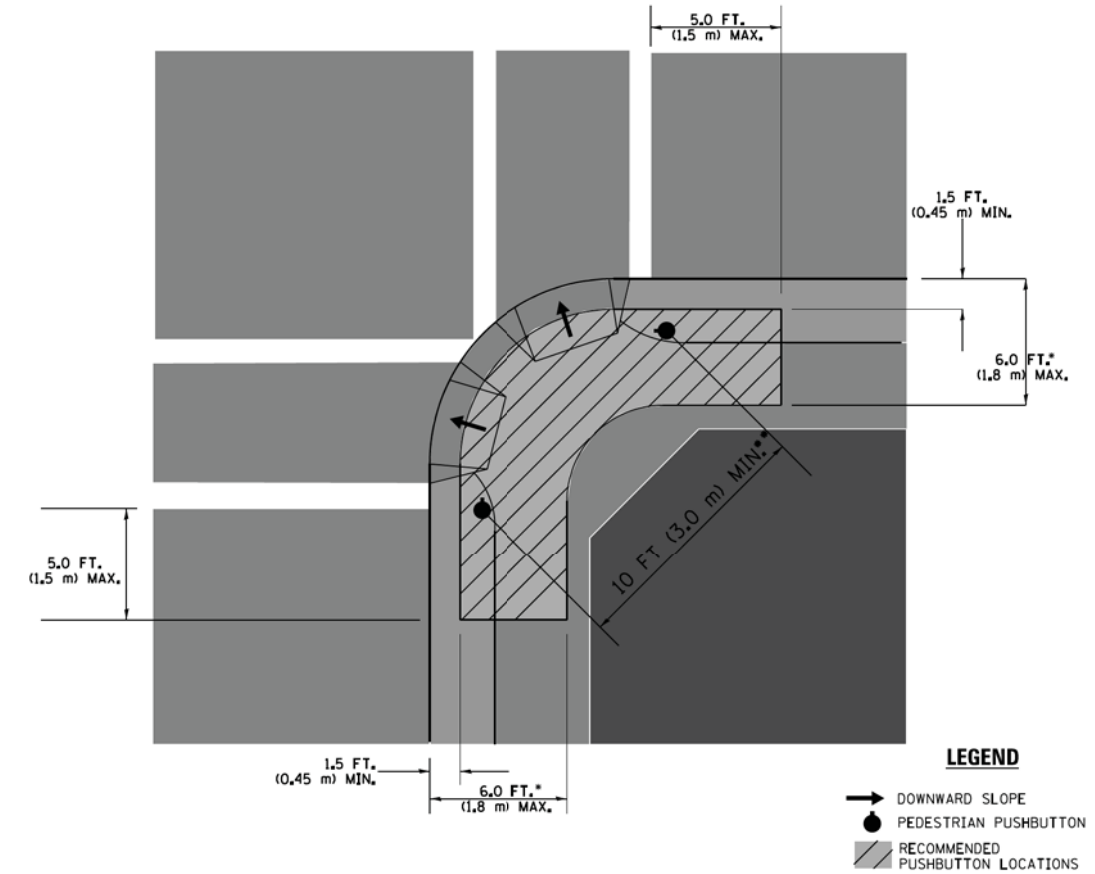
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT 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.

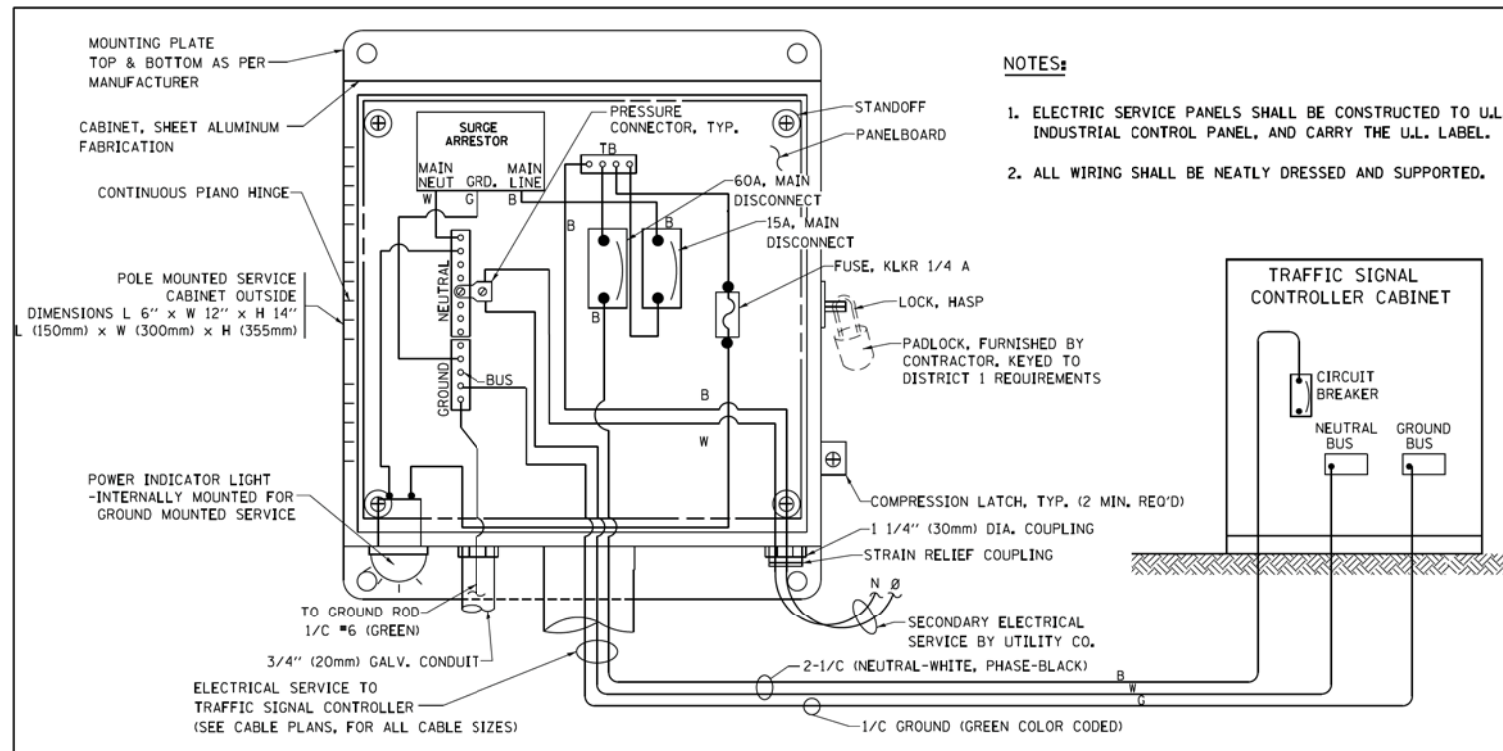
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-022008
 DATE 2/2/2014
 PROJECT NO. 14-00115-00-PV
 SHEET NO. 3 OF 7 SHEETS
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 USER NAME = footemj
 DESIGNED - DAD
 DRAWN - BCK
 CHECKED - DAD
 DATE - 10-28-09
 REVISED - DAG 1-1-14
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

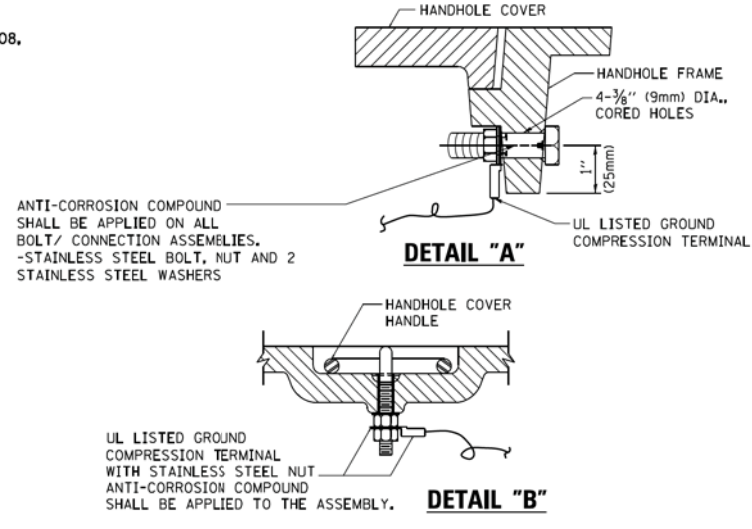
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 3 OF 7 SHEETS STA. TO STA.

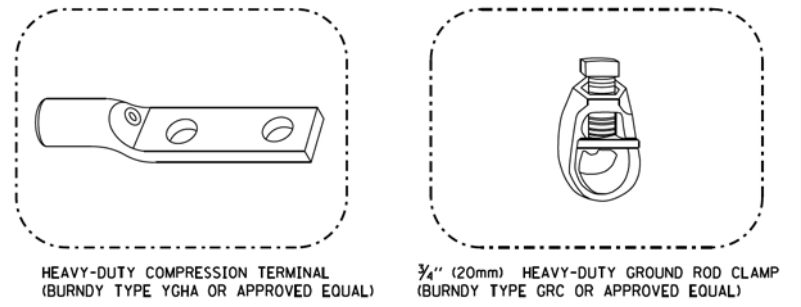
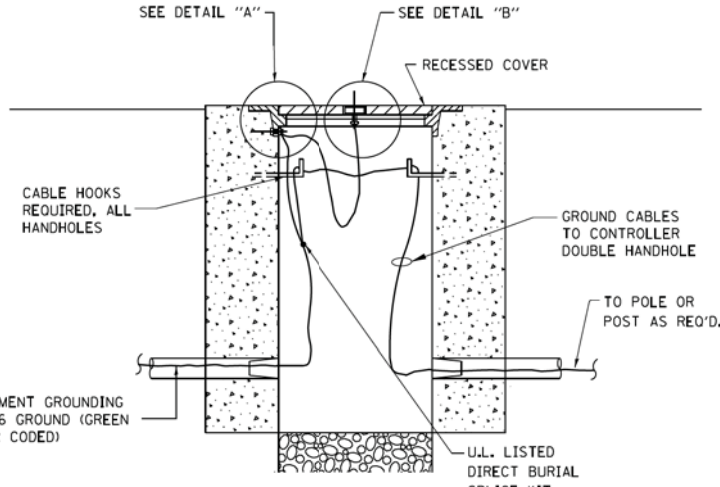
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	88
TS-05		CONTRACT NO. 61E29		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



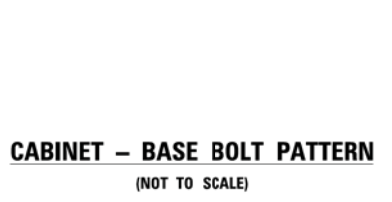
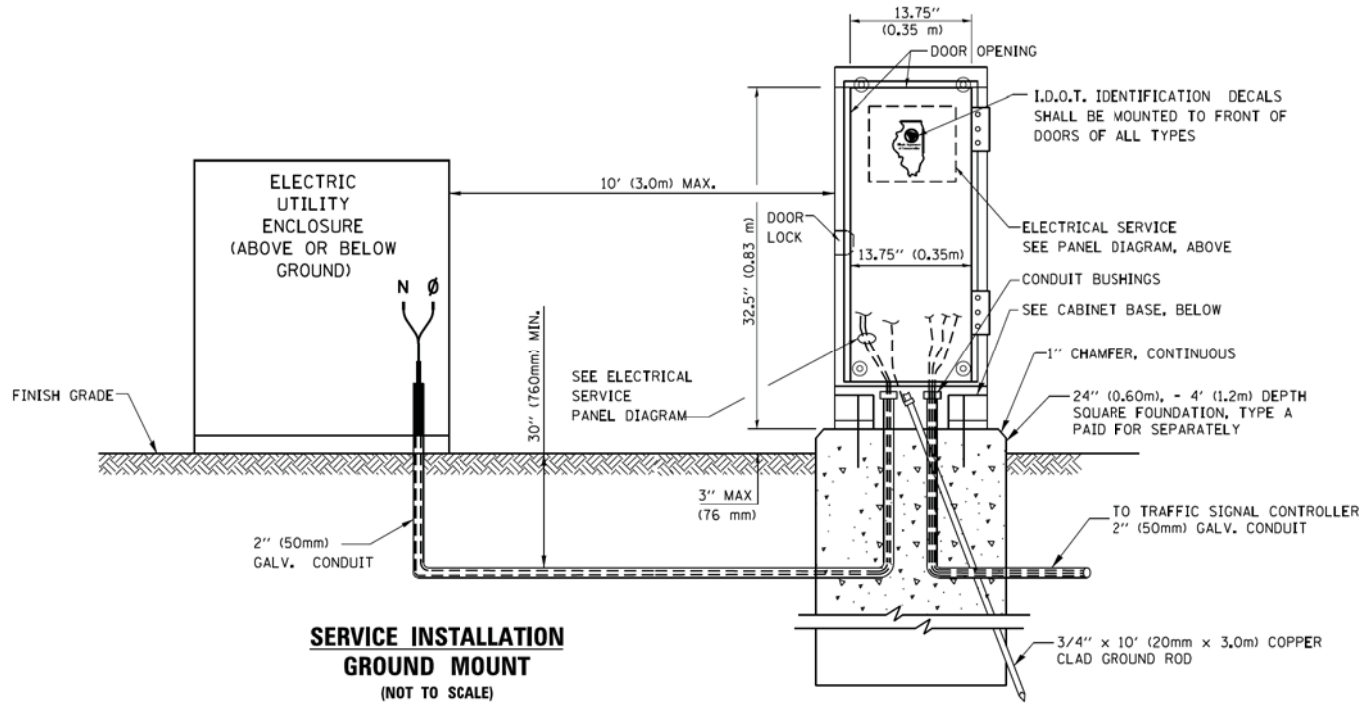
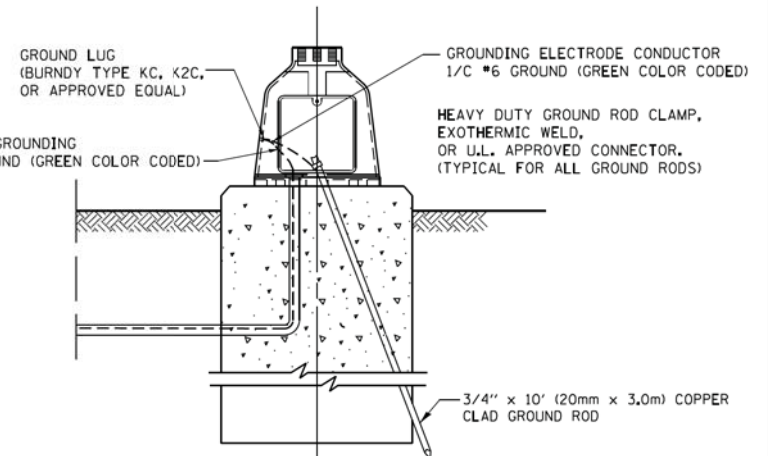
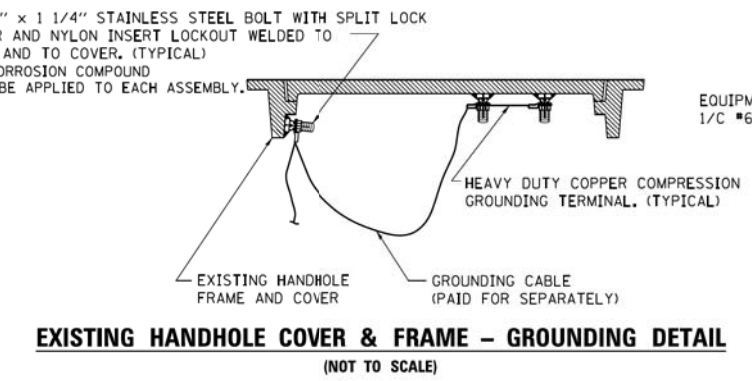
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



- 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.



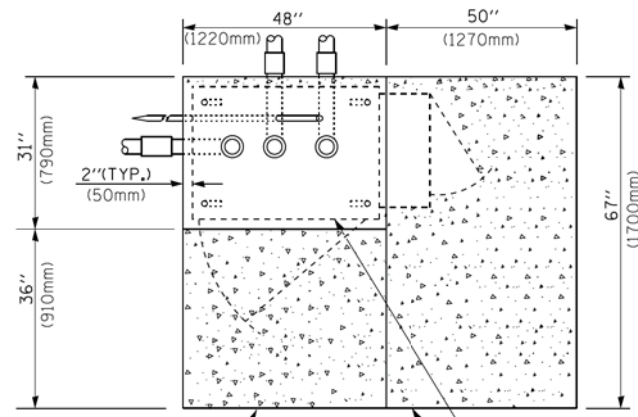
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-020008
 2/2/2014
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FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

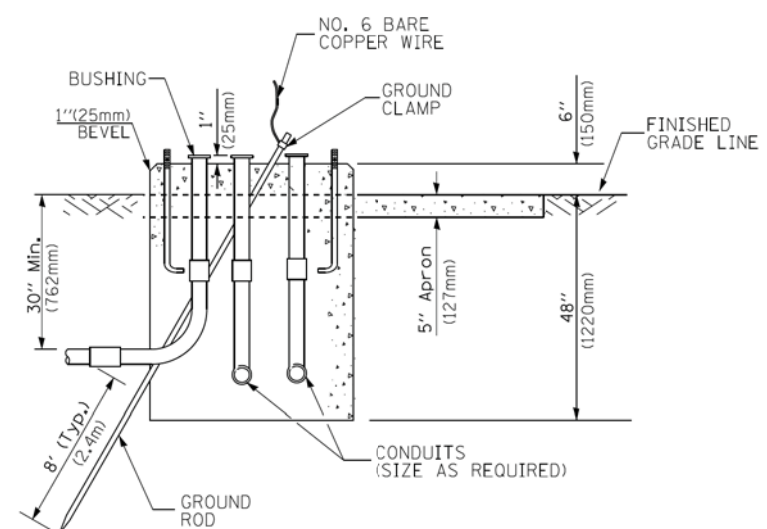
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS STA. TO STA.

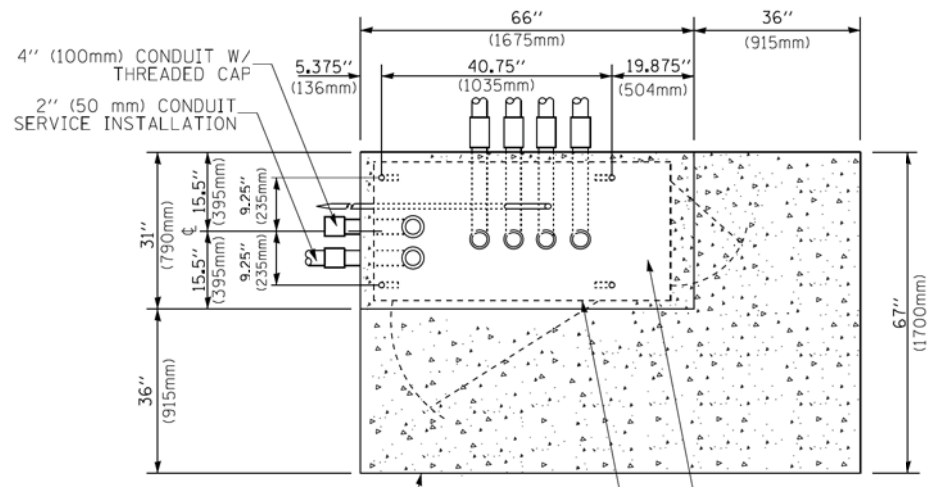
F.A.U. RTE. 2582	SECTION 14-00115-00-PV	COUNTY COOK	TOTAL SHEETS 199	SHEET NO. 89
TS-05		CONTRACT NO. 61E29		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				



TOP VIEW

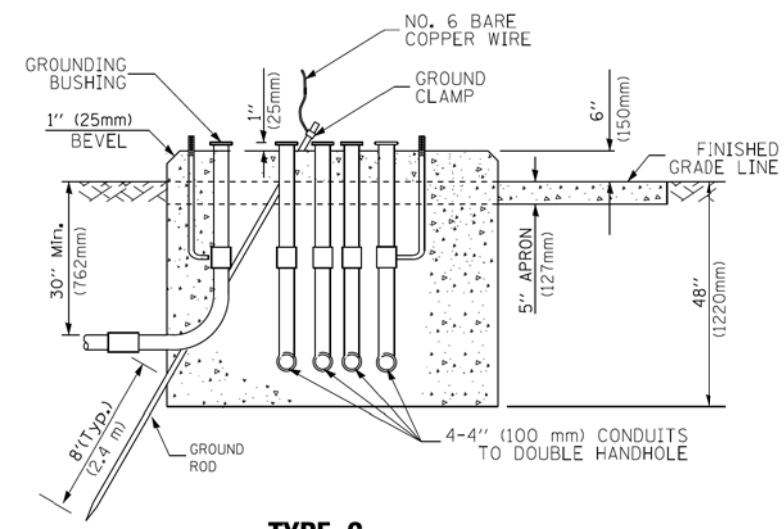


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

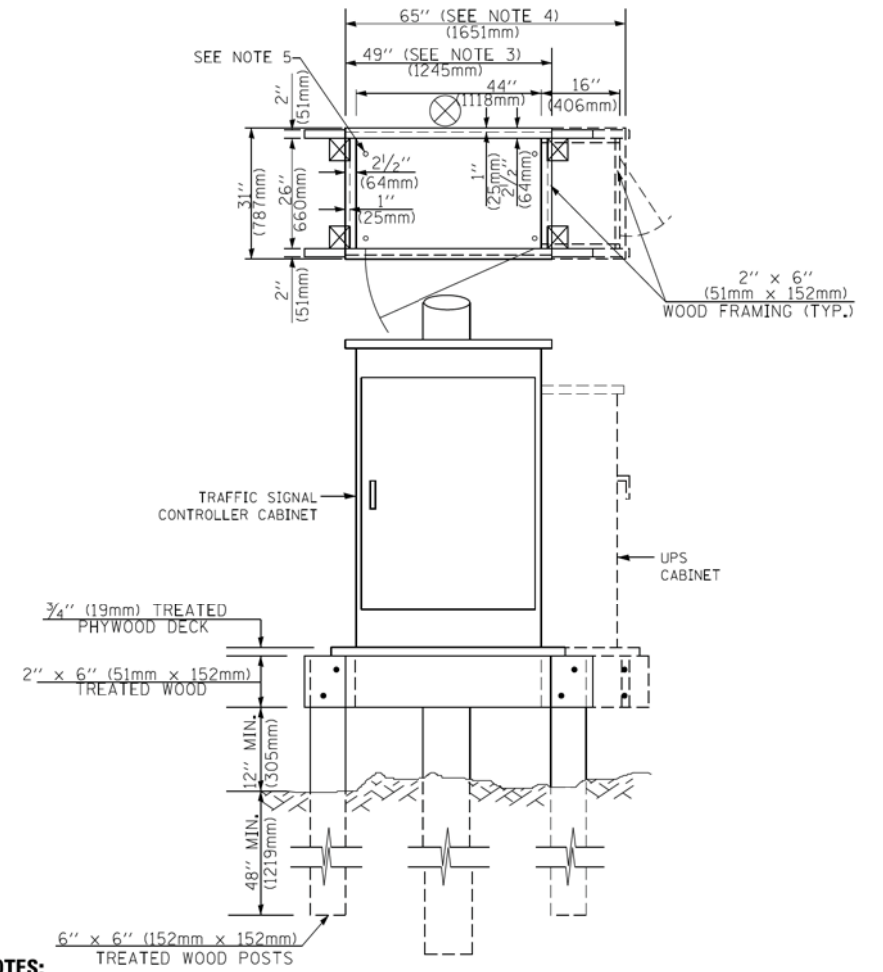


TOP VIEW

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

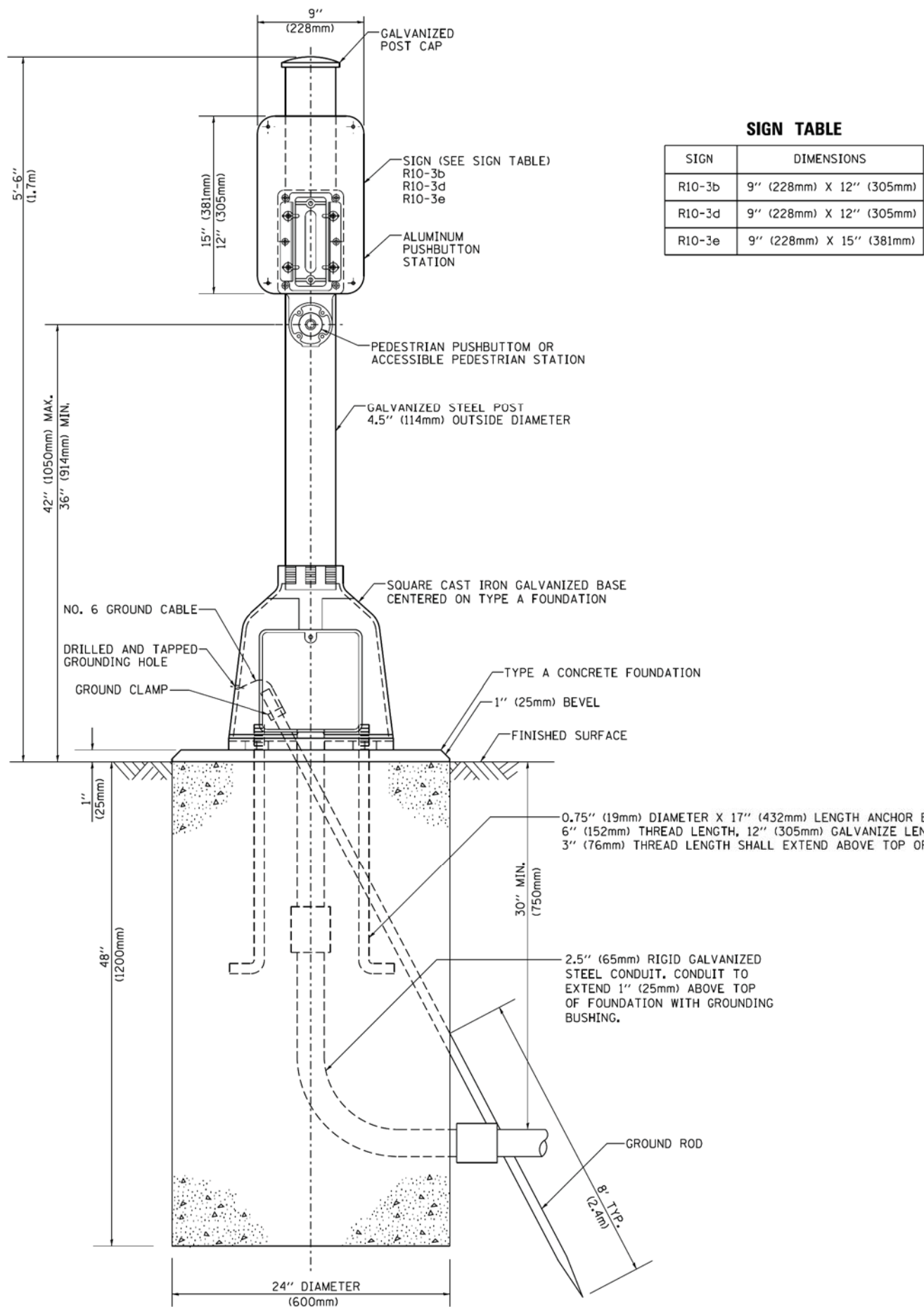
MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or 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 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and 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..

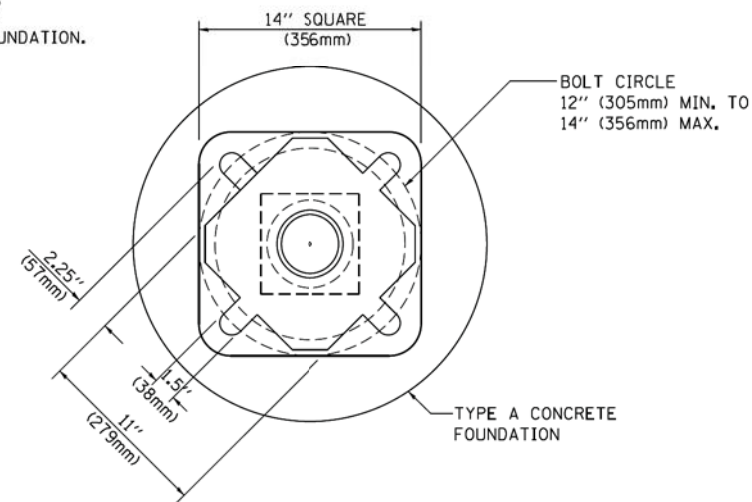
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 001-00000000-00000000-00000000
 2/2/2008
 C:\Crystallake\SCHEM\5065-SHT-TS-Df-Dets.dgn



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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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 CHECKED - DAD
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 PLOT DATE = 1/13/2014
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 FILE NO. - 184-01115-00-PV
 DATE EXPIRES - 9/30/2018
 PROJECT NO. - 14-00115-00-PV
 COUNTY - COOK
 CONTRACT NO. - 61E29

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
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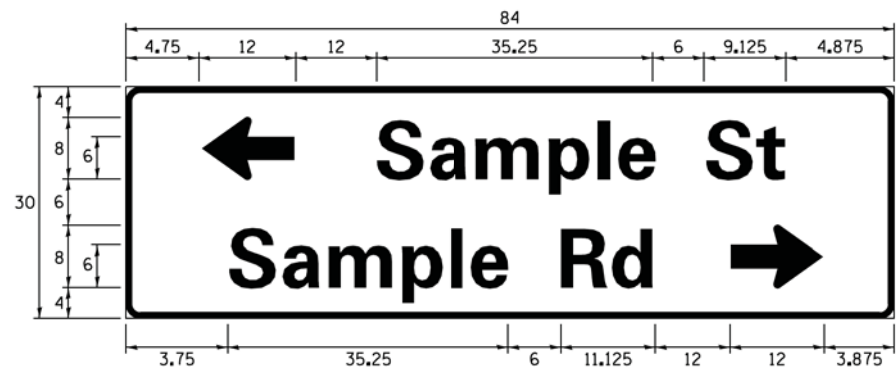
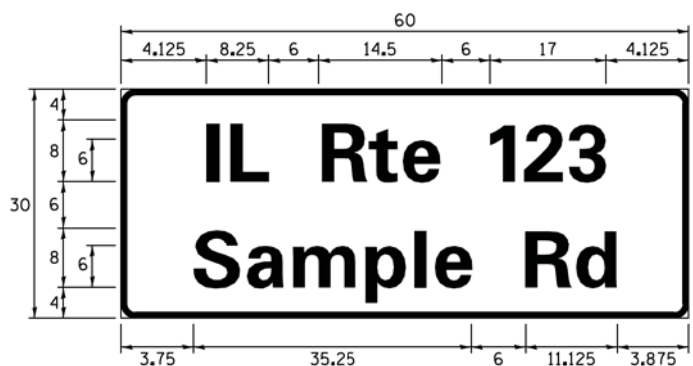
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	92
TS-05		CONTRACT NO. 61E29		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT-91-060-16				

SIGN PANEL – TYPE 1 OR TYPE 2



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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

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

LOCAL SUPPLIERS:

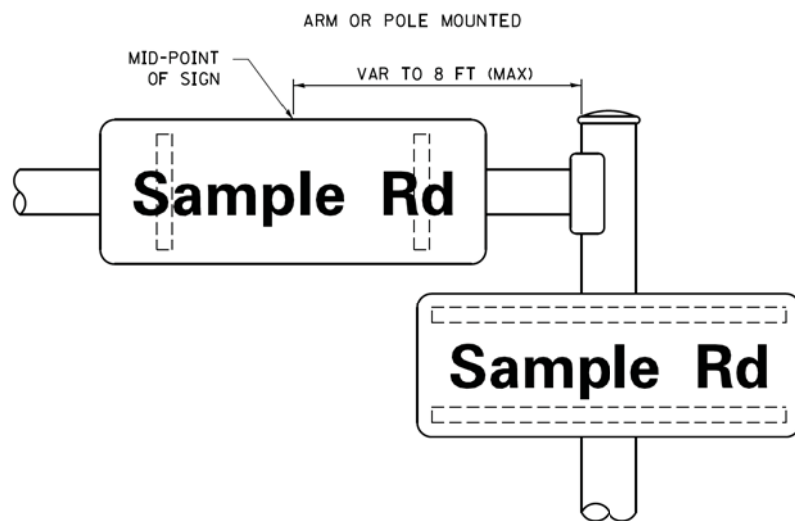
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA
- WESTERN REMAC, INC. WOODRIDGE, IL

PARTS LISTING:

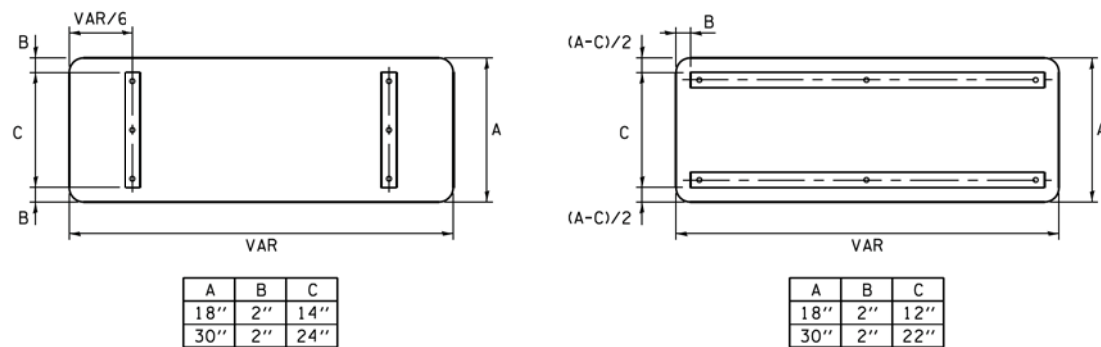
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL) 1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

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

MOUNTING LOCATION



SUPPORTING CHANNELS



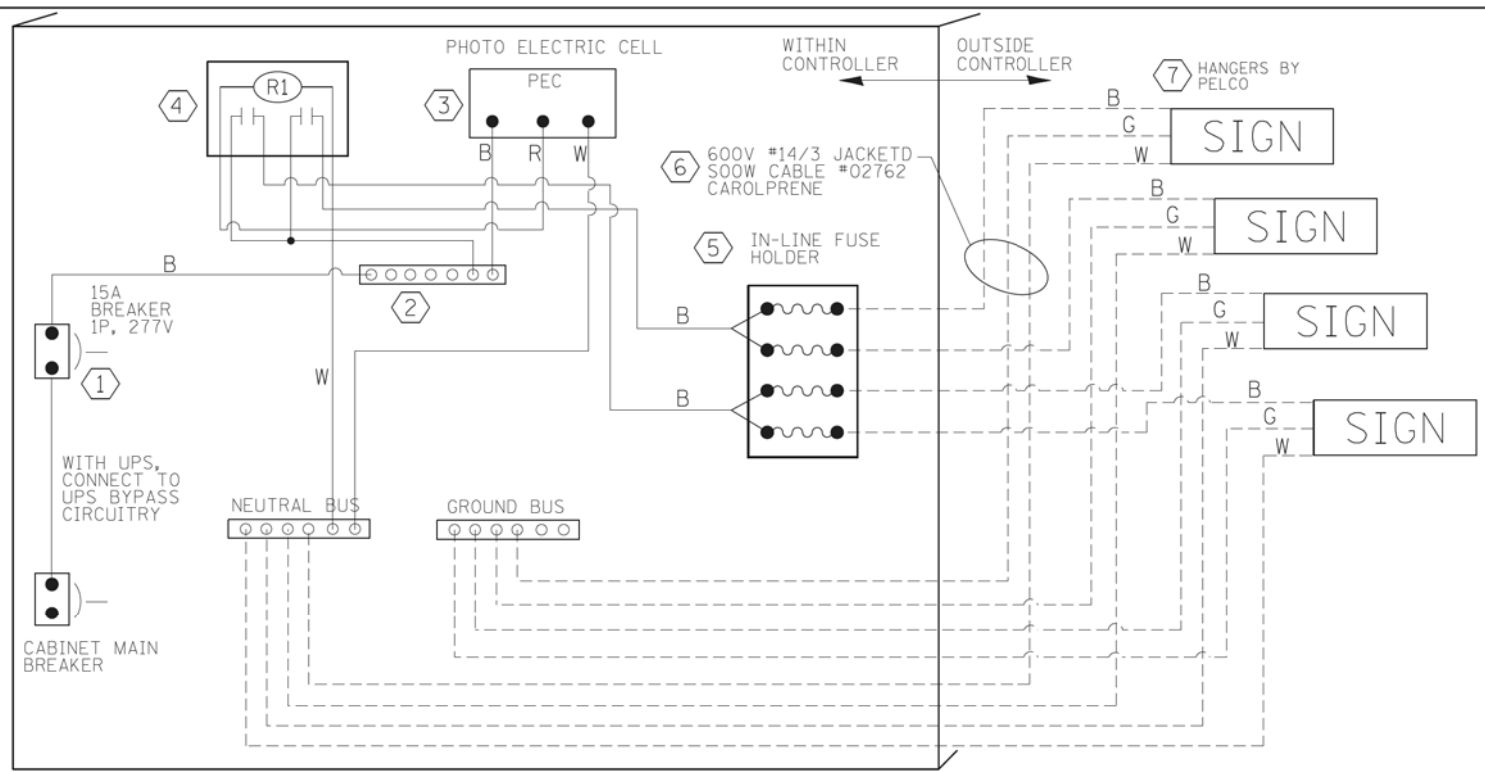
STANDARD ALPHABETS SPACING CHART

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

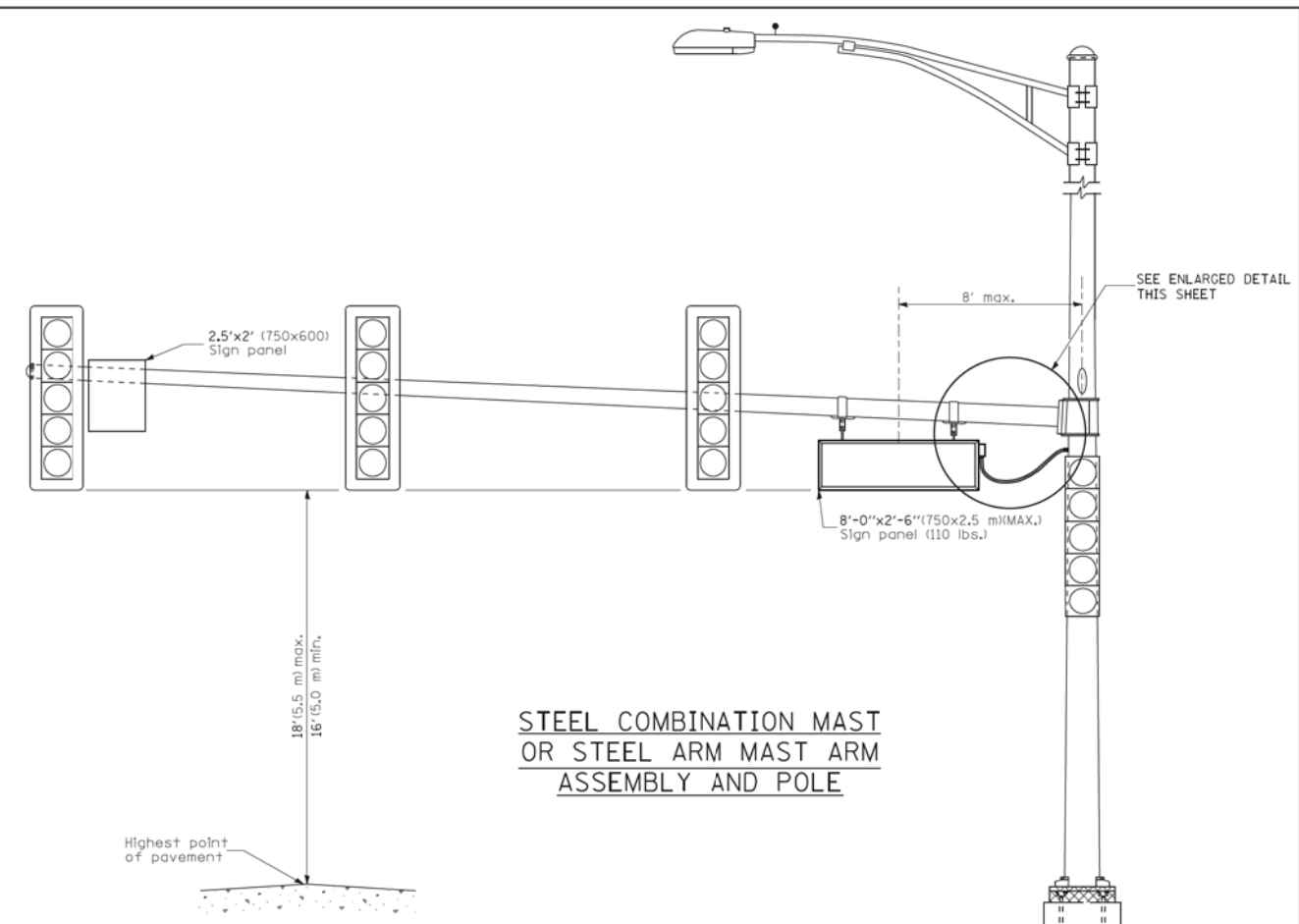
FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-00121, EXPIRES 4/30/2015
 PROJECT: ILL084EBIDINTEG.ILLINOIS.GOV PWIDOT Documents\DOT Offices\District 1\Projects\Dist 1\DRW\CAD\Drawings\CD\Drawings\ts02.dgn
 DATE: 7/31/2015
 DRAWN: LP/JP
 CHECKED: IP
 DATE: 10/01/2014

FILE NAME = ... USER NAME = drvakosgn DESIGNED - LP/JP REVISIONS: REVISED - LP 07/01/2015
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
 SCALE: SHEET OF SHEETS STA. TO STA.
 F.A.U. RTE. 2582 SECTION 14-00115-00-PV COUNTY COOK TOTAL SHEETS 199 SHEET NO. 93
 TS-02 CONTRACT NO. 61E29
 ILLINOIS FED. AID PROJECT-91-060-16



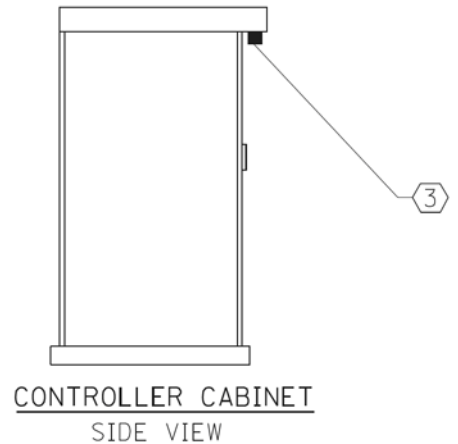
LED SIGN WIRING DETAIL



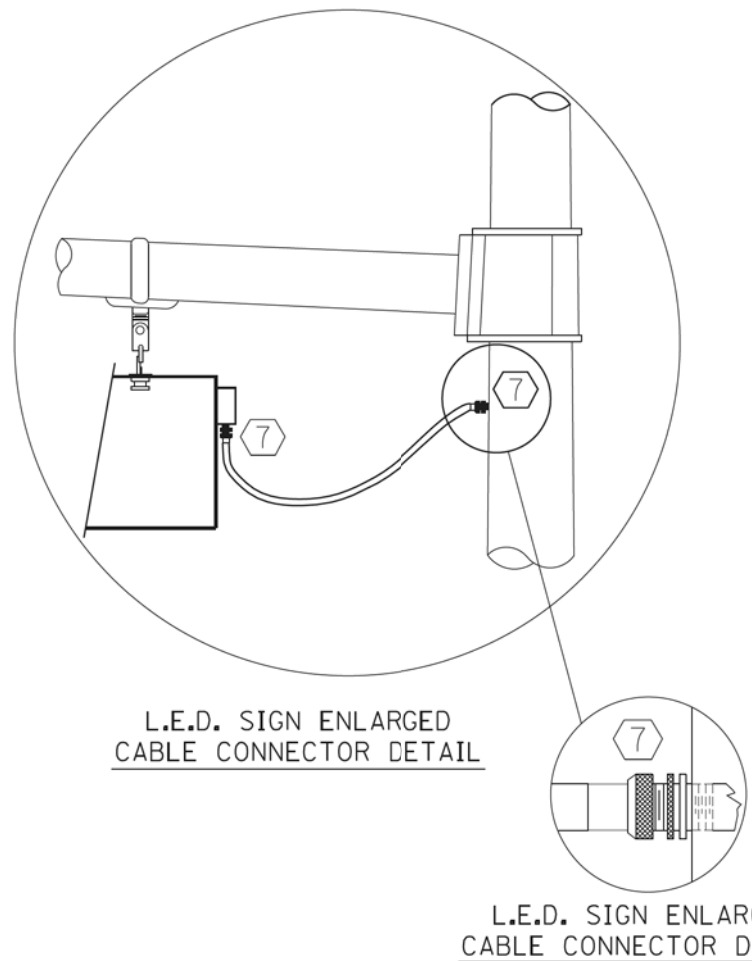
STEEL COMBINATION MAST OR STEEL ARM MAST ASSEMBLY AND POLE

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	SE-5015	S.S. HARDWARE

BILL OF MATERIALS

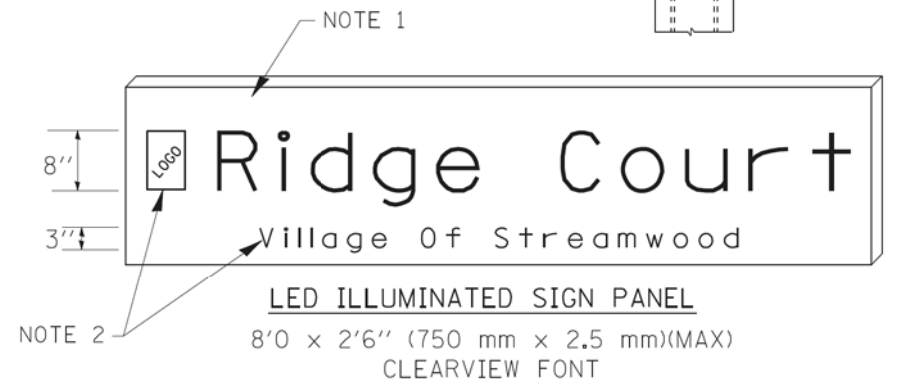


CONTROLLER CABINET SIDE VIEW



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL

L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



LED ILLUMINATED SIGN PANEL
8'0" x 2'6" (750 mm x 2.5 mm)(MAX)
CLEARVIEW FONT

NOTES:

- SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

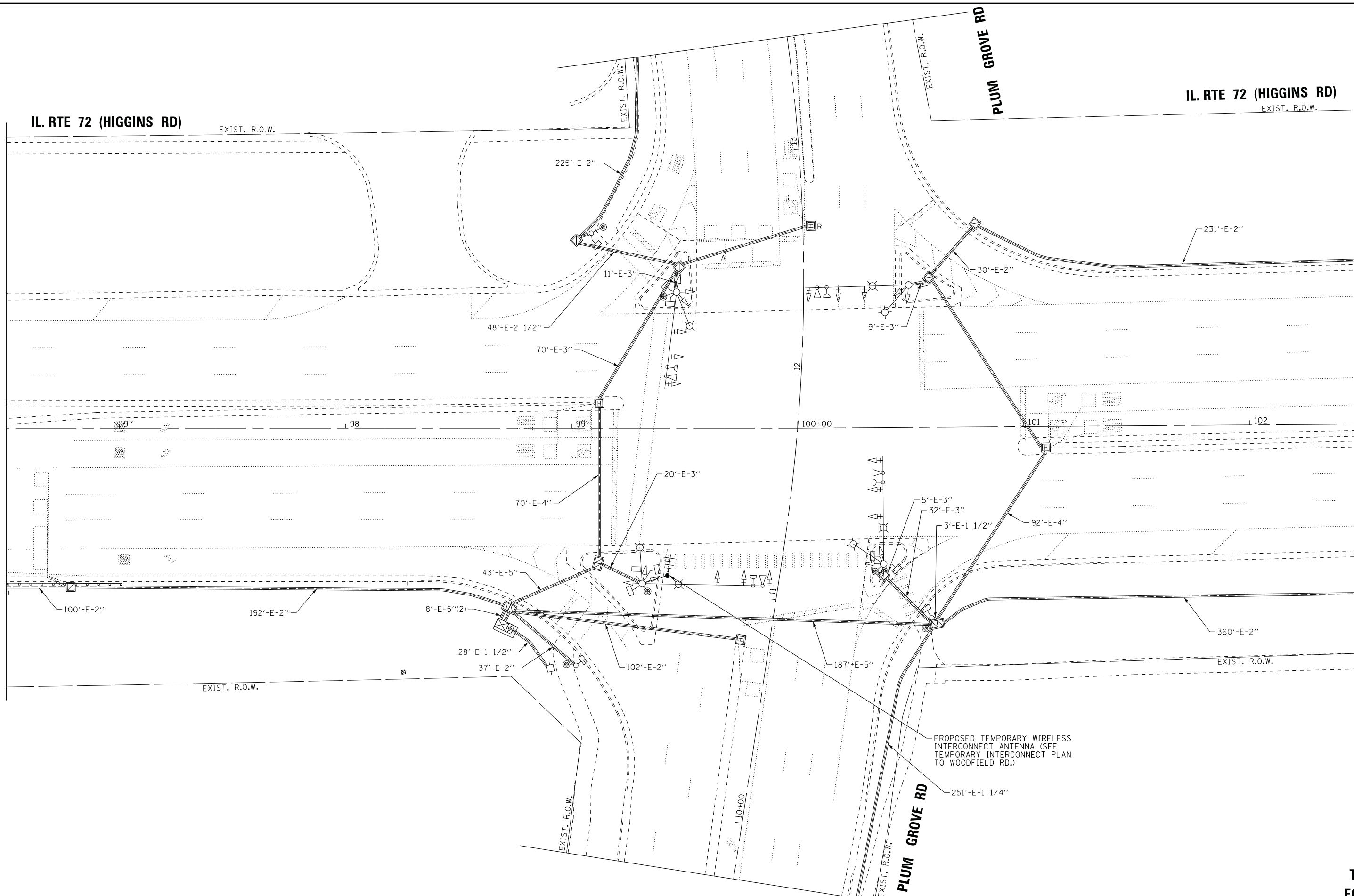


IL. RTE 72 (HIGGINS RD)

IL. RTE 72 (HIGGINS RD)

PLUM GROVE RD

PLUM GROVE RD



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-00121 - EXPIRES 4/30/2019
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 I:\CADD\Plots\150615-BW.tbl
 I:\CrystalLake\SCHEM\150615-Plum Grove Rd Ph



DESIGNED - RWL	REVISED -
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-TS-TEMP-Higgins.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC EQUIPMENT
 PLUM GROVE RD AND IL RTE 72 (HIGGINS RD)

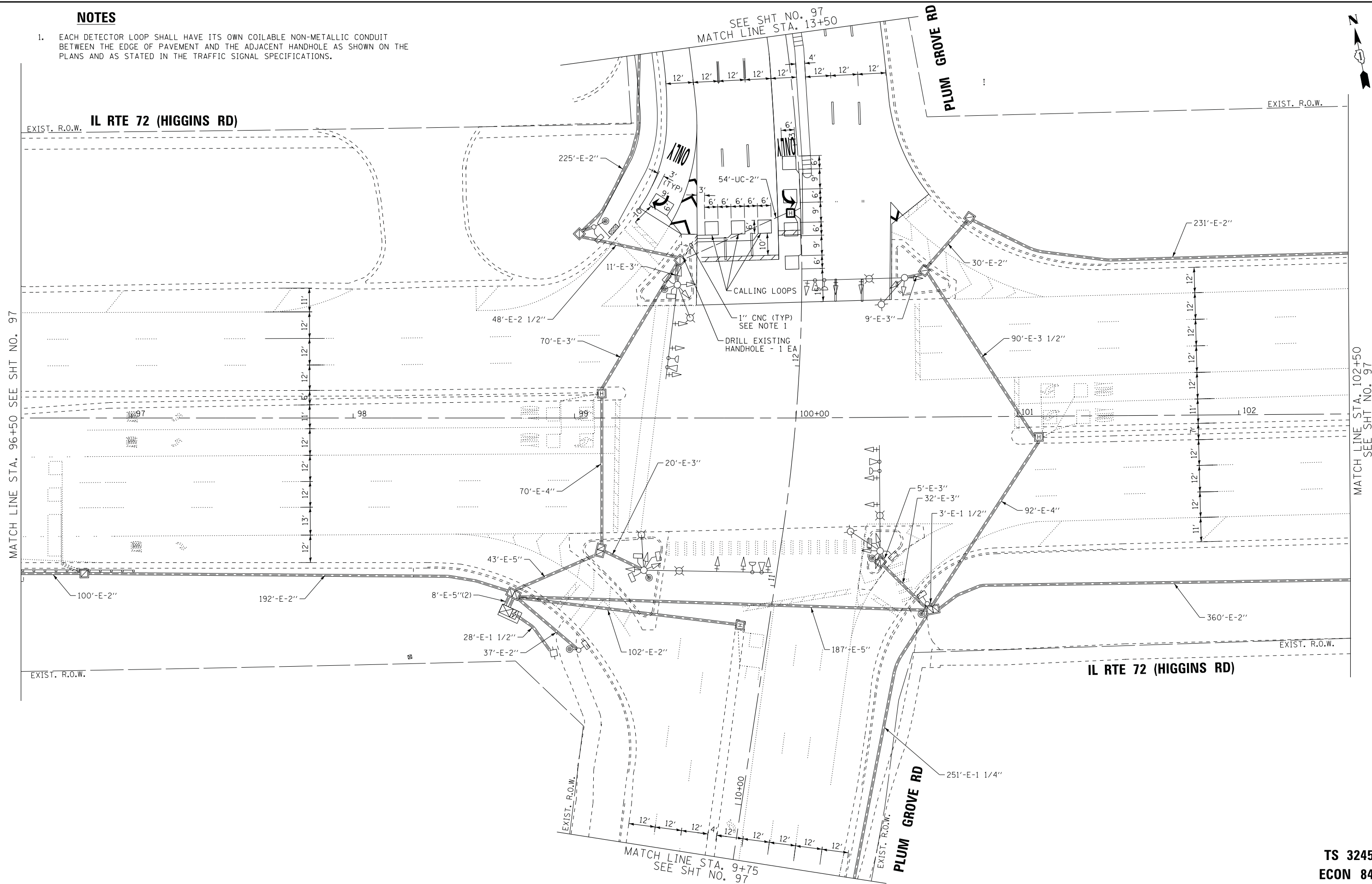
SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

TS 3245
 ECON 84

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	95
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 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.



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - RWL	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - RWL	REVISED -
	DATE - 10-9-17	FILE - 150615-SHT-TS-Higgins.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
PLUM GROVE RD AND IL RTE 72 (HIGGINS RD)**

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

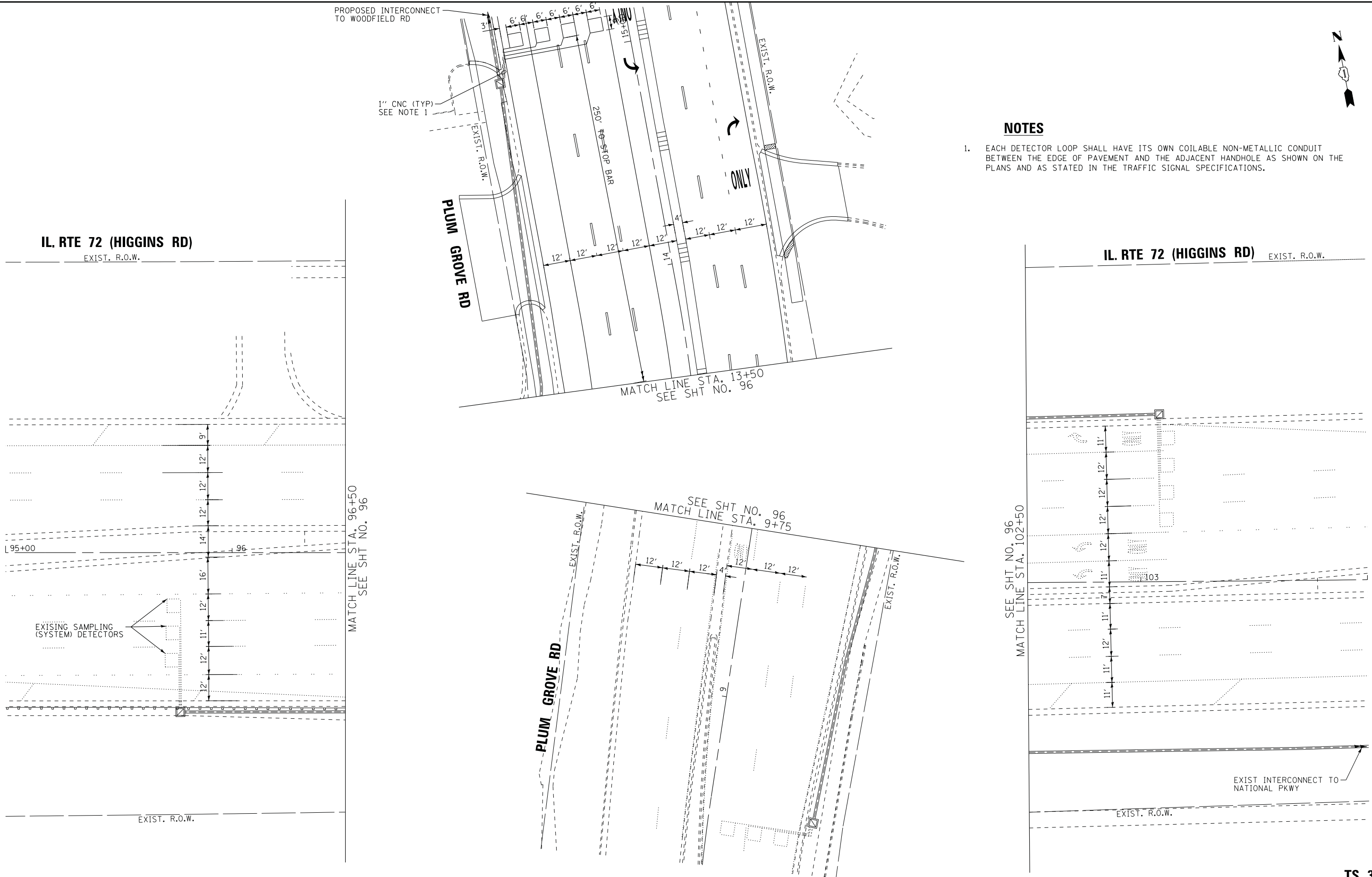
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	96
			CONTRACT NO. 61E29	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

**TS 3245
ECON 84**



NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 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.



SEE SHT NO. 96
MATCH LINE STA. 102+50

SEE SHT NO. 96
MATCH LINE STA. 9+75

MATCH LINE STA. 13+50
SEE SHT NO. 96

MATCH LINE STA. 96+50
SEE SHT NO. 96

IL RTE 72 (HIGGINS RD)
EXIST. R.O.W.

IL RTE 72 (HIGGINS RD) EXIST. R.O.W.

PLUM GROVE RD

PLUM GROVE RD

EXISTING SAMPLING (SYSTEM) DETECTORS

EXIST INTERCONNECT TO NATIONAL PKWY

**TS 3245
ECON 84**

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
5/21/2018 9:01:45 AM
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CHECKED - RWL	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-TS-Higgins.dgn

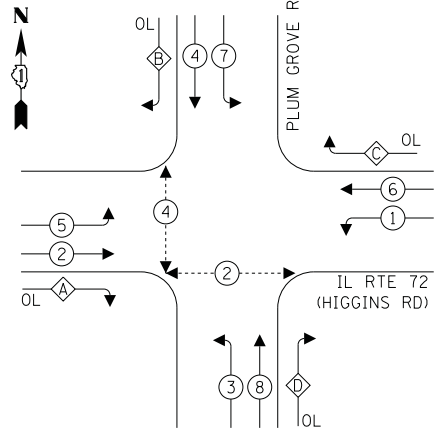
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
PLUM GROVE RD AND IL RTE 72 (HIGGINS RD)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	97
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

PROPOSED CONTROLLER SEQUENCE



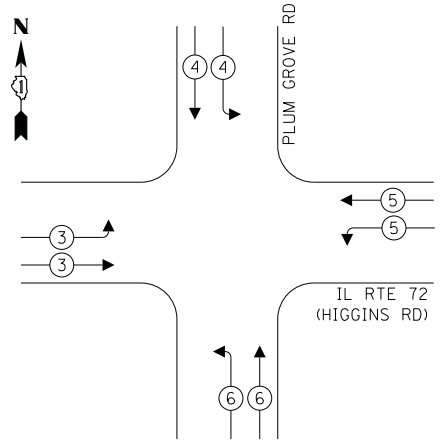
LEGEND:

- ← * → PROTECTED PHASE
- ← * · · · → PROTECTED/PERMITTED PHASE
- ← * · · · → PEDESTRIAN PHASE
- ← * → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
B	= 4 +	5
C	= 6 +	7
D	= 8 +	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	INCAND. WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	135	50	1080.0
(YELLOW)	16	135	5	108.0
(GREEN)	16	135	45	972.0
PERMISSIVE ARROW	40	135	10	540.0
PED. SIGNAL	10	90	100	900.00
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	5	400	50	1000.0
TOTAL =				4725.0

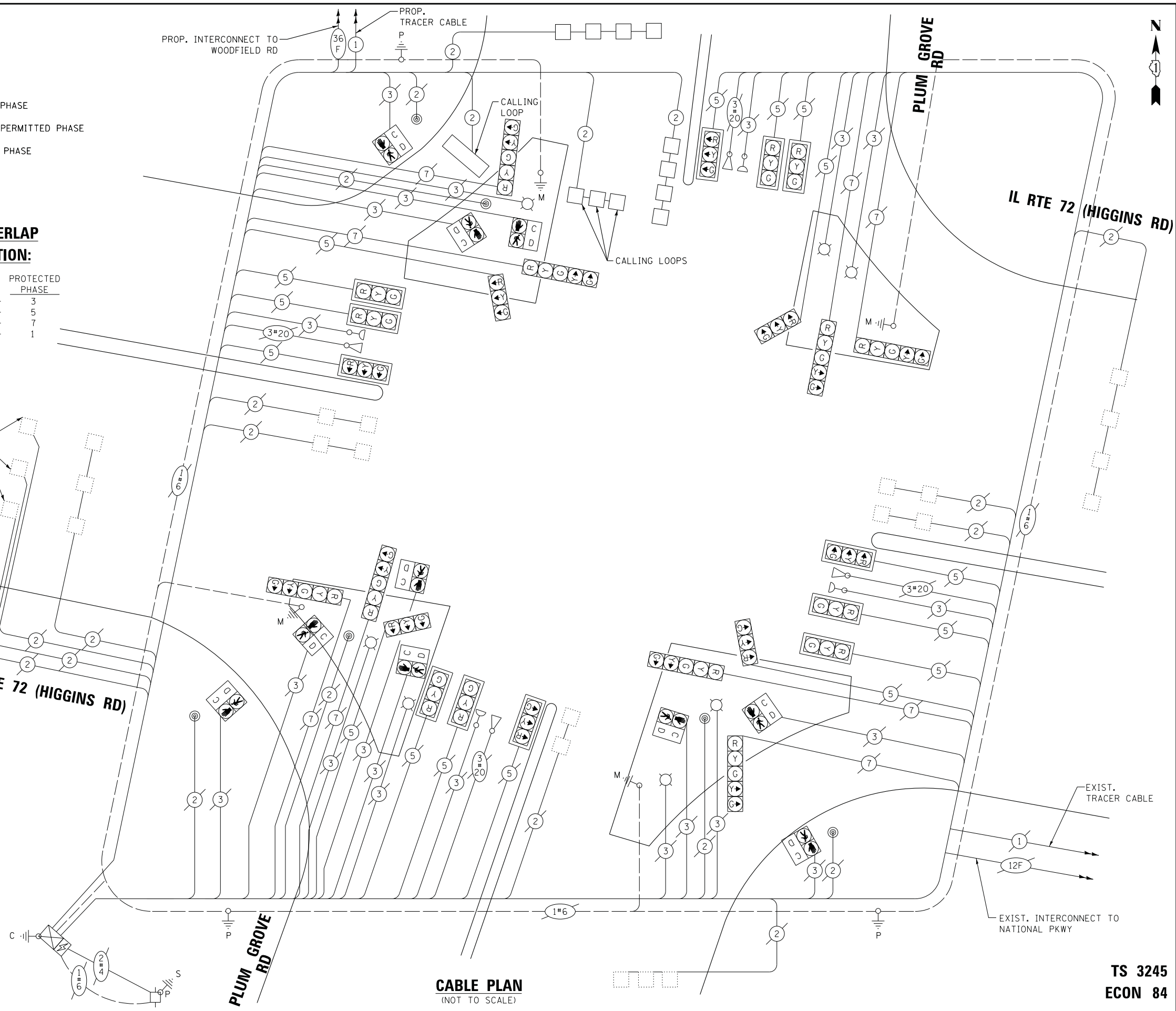
ENERGY COSTS TO:
 VILLAGE OF SCHAUMBURG
 101 SCHAUMBURG COURT
 SCHAUMBURG, ILLINOIS 60143
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: _____

EXIST. SAMPLING (SYSTEM) DETECTORS

IL RTE 72 (HIGGINS RD)

PLUM GROVE RD

CABLE PLAN
(NOT TO SCALE)



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 PLUM GROVE RD AND IL RTE 72 (HIGGINS RD)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	98
CONTRACT NO. 61E29				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				

TS 3245
 ECON 84

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. 184-00121 - EXPIRES 4/30/2019 5/21/2018 9:01:51 AM
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BAXTER & WOODMAN
 Consulting Engineers

DESIGNED - RWL	REVISED -
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-TS-CABLE-Higgins.dgn

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	54
HEAVY DUTY HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,224
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	114
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	497
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,224
REMOVE EXISTING HANDHOLE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED - RWL	REVISED -
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-TS-CABLE-Higgins.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
 PLUM GROVE RD AND IL RTE 72 (HIGGINS RD)**

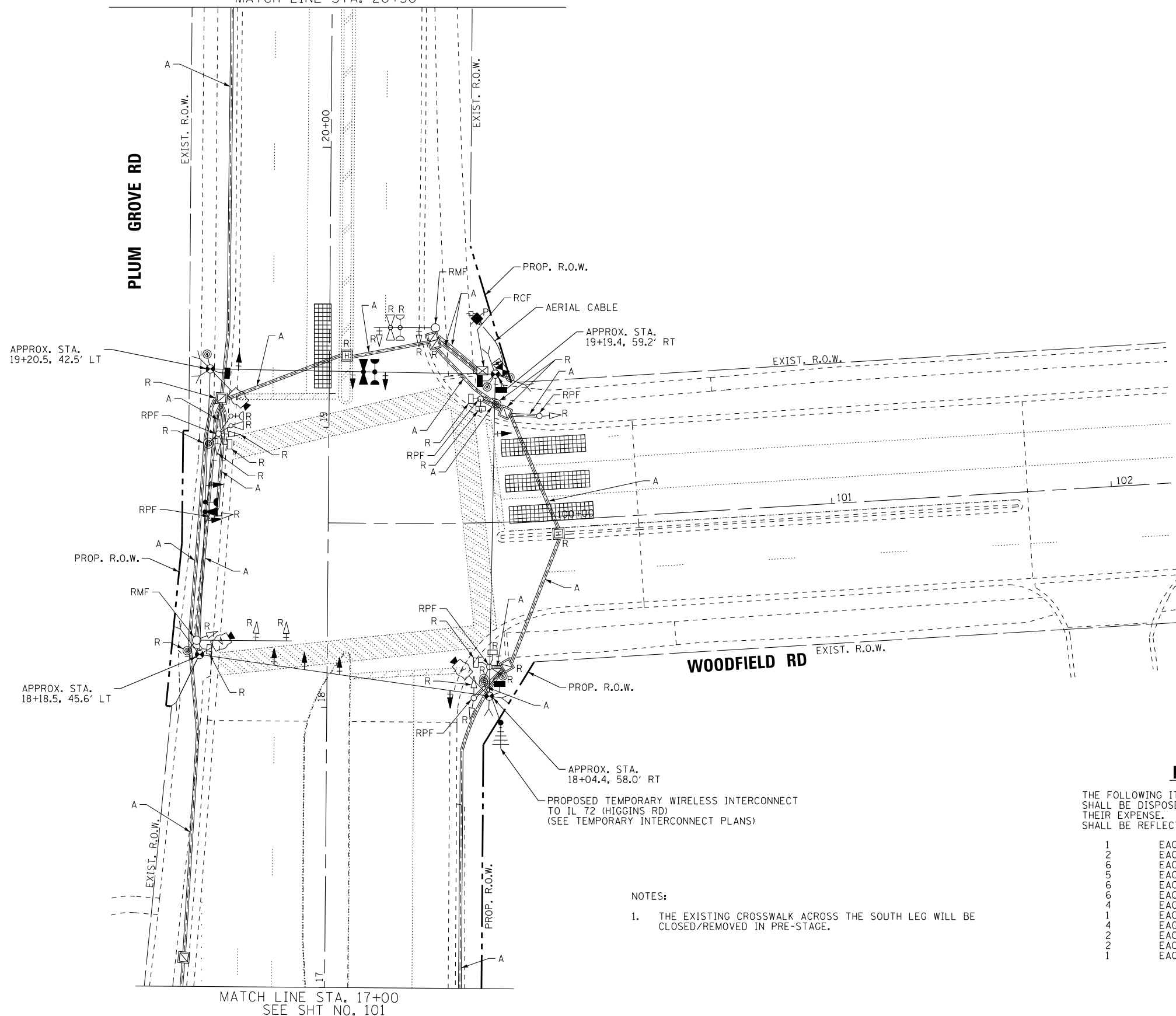
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	99
CONTRACT NO. 61E29			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16	

**TS 3245
 ECON 84**



SEE SHT NO. 101
MATCH LINE STA. 20+50



MATCH LINE STA. 17+00
SEE SHT NO. 101

REMOVAL 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 CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
2	EACH	STEEL MAST ARM ASSEMBLY AND POST
6	EACH	TRAFFIC SIGNAL POST
5	EACH	3-SECTION SIGNAL HEAD
6	EACH	5-SECTION SIGNAL HEAD
6	EACH	PEDESTRIAN SIGNAL HEAD
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION
4	EACH	TRAFFIC SIGNAL BACKPLATE
2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

NOTES:

1. THE EXISTING CROSSWALK ACROSS THE SOUTH LEG WILL BE CLOSED/REMOVED IN PRE-STAGE.

PRE-STAGE AND STAGE 5

**TEMPORARY TRAFFIC INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC EQUIPMENT PLAN (SHEET 1 OF 2)
PLUM GROVE RD AND WOODFIELD RD**

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

**TS XXXX
ECON 84**

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DESIGNED - RWL	REVISED -
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 10-9-17	FILE - 150615-SHT-TS-Temp-Woodfield.dgn

BAXTER & WOODMAN
Consulting Engineers

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	14-00115-00-PV	COOK	199	100
				CONTRACT NO. 61E29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT C-91-060-16				