

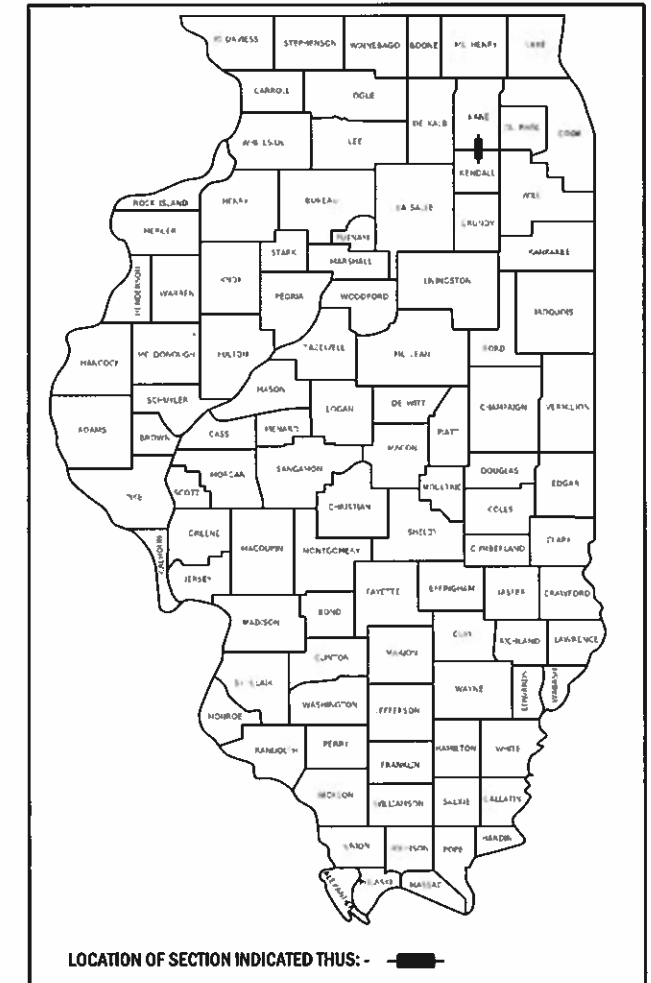
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	1
		ILLINOIS	CONTRACT NO. 61H49	

**THIS PROJECT IS LOCATED IN THE VILLAGE OF MONTGOMERY**

DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED FEDERAL AID HIGHWAY**

FAP ROUTE 336 (ORCHARD ROAD) AT  
 FAP ROUTE 349 (US ROUTE 30)  
 SECTION 17-00488-00-CH  
 PROJECT: 93S1(746)  
 INTERSECTION IMPROVEMENTS  
 COUNTY OF KANE  
 KANE & KENDALL COUNTIES  
 C-91-127-20



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

**TRAFFIC DATA**

2018 ADT = 30,500 - ORCHARD ROAD (NORTH OF US ROUTE 30)  
 2019 ADT = 23,200 - ORCHARD ROAD (SOUTH OF US ROUTE 30)  
 2019 ADT = 18,500 - US ROUTE 30 (WEST OF ORCHARD ROAD)  
 2019 ADT = 27,400 - US ROUTE 30 (EAST OF ORCHARD ROAD)

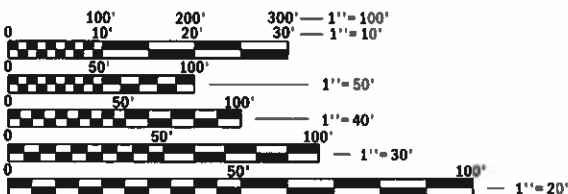
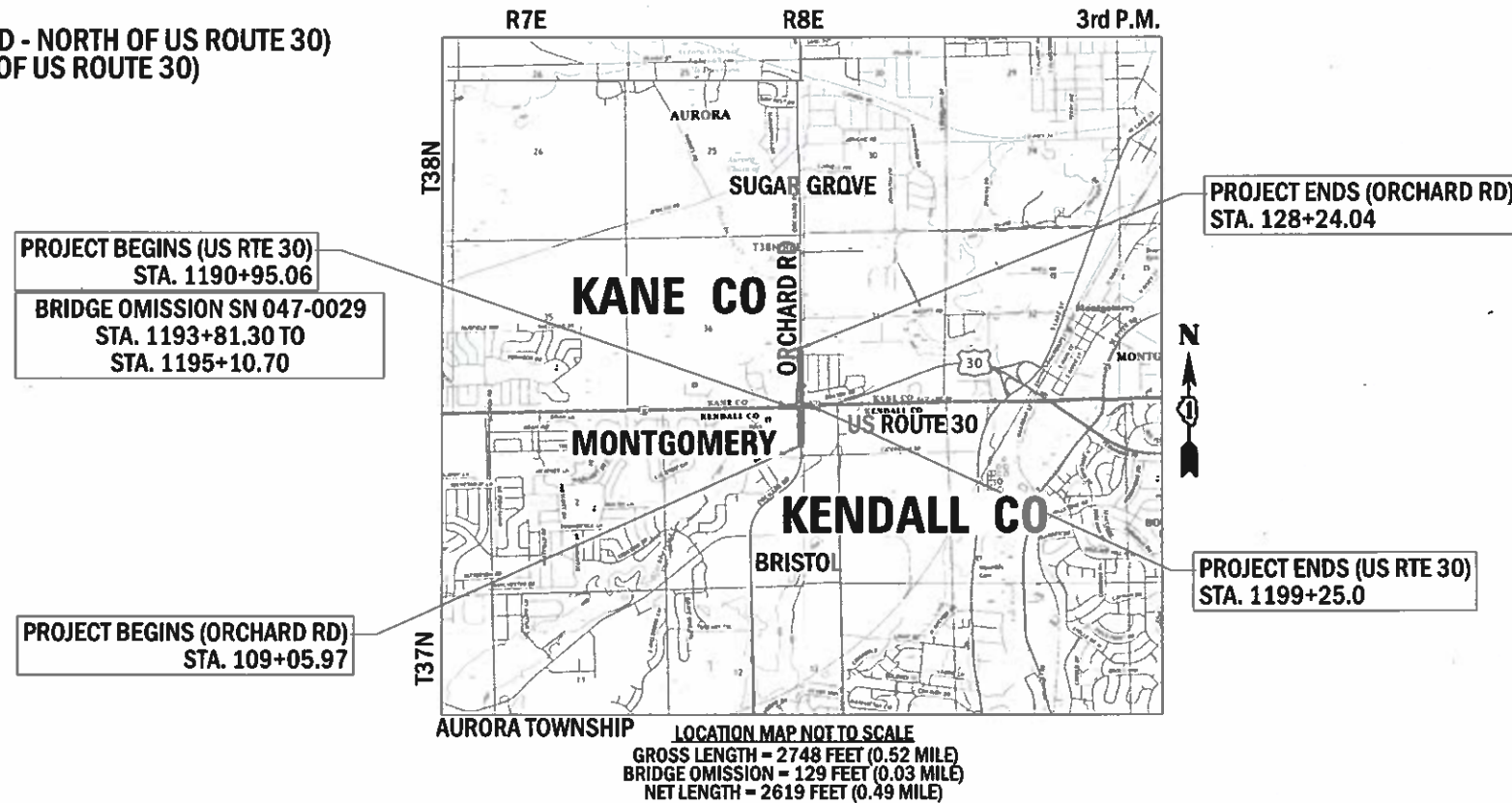
**POSTED SPEED**

45 MPH (ORCHARD RD)  
 55 MPH (US ROUTE 30)

**FUNCTIONAL CLASSIFICATION**

OTHER PRINCIPAL ARTERIAL : (ORCHARD ROAD - NORTH OF US ROUTE 30)  
 MINOR ARTERIAL : (ORCHARD ROAD - SOUTH OF US ROUTE 30)  
 OTHER PRINCIPAL ARTERIAL : (US ROUTE 30)

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL



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

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

PROJECT ENGINEER: KEN CORTOPASSI  
 PROJECT MANAGER: YEMI OYEWOLE, P.E.

CONTRACT NO. 61H49



OCTOBER 4, 2021  
 YEMI O. OYEWOLE  
 ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-058164  
 EXPIRATION DATE 11-30-2023  
 SHEETS 1-84, 93-120, 122 & 141-170



OCTOBER 4, 2021  
 BRIAN SNYDER, P.E. (FARNSWORTH)  
 ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-070096  
 EXPIRATION DATE 11-30-2023  
 SHEETS 121

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROVED November 8, 2021  
 COUNTY ENGINEER, KANE COUNTY

PASSED Nov. 12, 2021  
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
 BASED ON LIMITED REVIEW  
NOVEMBER 12, 2021  
 REGIONAL ENGINEER

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







SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
		20200100	EARTH EXCAVATION	CU YD	2,047	2,047		
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	335	335		
		20400800	FURNISHED EXCAVATION	CU YD	2,145	2,145		
		20800150	TRENCH BACKFILL	CU YD	1,183	1,183		
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,628	2,628		
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	7,969	7,969		
		21400100	GRADING AND SHAPING DITCHES	FOOT	1,309	1,309		
		25000210	SEEDING, CLASS 2A	ACRE	1.7	1.7		
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	149	149		
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	149	149		
		25100630	EROSION CONTROL BLANKET	SQ YD	7,969	7,969		
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	494	494		
		28000305	TEMPORARY DITCH CHECKS	FOOT	84	84		
		28000400	PERIMETER EROSION BARRIER	FOOT	6,557	6,557		
		28000510	INLET FILTERS	EACH	30	30		
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	8,604	8,604		
		28100105	STONE RIPRAP, CLASS A3	SQ YD	24	24		

MODEL: Default  
 FILE NAME: Z:\0118\180287\_OrchardRoadAtRoute30\cadd\Civil\Drawings\180287-500.dgn


**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

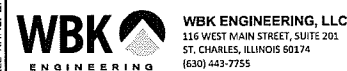
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	3
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 9351746	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
		28100107	STONE RIPRAP, CLASS A4	SQ YD	54	54		
		28200200	FILTER FABRIC	SQ YD	77	77		
	S	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	6,835	6,835		
		31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	523	523		
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,133	1,133		
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	111	111		
		35501316	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	3,373	3,373		
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	39,675	39,675		
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	79,351	79,351		
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	192	192		
		40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	2,562	2,562		
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	16	16		
		40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	2,269	2,269		
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,308		4,308	
		42400800	DETECTABLE WARNINGS	SQ FT	143	143		
		44000100	PAVEMENT REMOVAL	SQ YD	4,898	4,898		
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	14,774	14,774		

MODEL: Default  
FILE NAME: Z:\2018\180287 - Orchard Road at Route 30\cadd\Civil\Drawn\Sheet\180287-500.dgn



USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	4
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 9351(746)	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	59	59		
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	291	291		
		44000600	SIDEWALK REMOVAL	SQ FT	875	875		
		44003100	MEDIAN REMOVAL	SQ FT	37,119	37,119		
		44004250	PAVED SHOULDER REMOVAL	SQ YD	2,769	2,769		
		44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	12	12		
		44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	23	23		
		44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	1,794	1,794		
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3		
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1		
		54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1		
		54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1		
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	622	622		
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	17	17		
		550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	35	35		
		550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	52	52		
		550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	46	46		

MODEL: Default  
 FILE NAME: Z:\2018\180287\_OrchardRoadatRoute30\Layout\Civil\DrawnSheet\180287-500.dgn


**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = avwellner	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 3	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	5
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351746				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
		550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	390	390		
		55100700	STORM SEWER REMOVAL 15"	FOOT	532	532		
		55100900	STORM SEWER REMOVAL 18"	FOOT	236	236		
		55101200	STORM SEWER REMOVAL 24"	FOOT	202	202		
		60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2,166	2,166		
		60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6		
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
		60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4		
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4		
		60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	1		
		60222100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 12 FRAME AND GRATE	EACH	1	1		
		60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1		
		60224449	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3		
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1		
		60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	1	1		
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	8	8		
		60255500	MANHOLES TO BE ADJUSTED	EACH	4	4		

MODEL: Default FILE NAME: Z:\2018\180287\_OrchardRoadRoute30\cadd\Civil\Drawings\180287-500.dwg



USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 4	OF 12 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	6
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351746				



SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
		60260100	INLETS TO BE ADJUSTED	EACH	1	1		
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1		
		60500040	REMOVING MANHOLES	EACH	2	2		
		60500050	REMOVING CATCH BASINS	EACH	4	4		
		60600605	CONCRETE CURB, TYPE B	FOOT	182	182		
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	299	299		
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	5,987	5,987		
		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	15,683	15,683		
*		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	75		75	
*		63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1		1	
*		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1		1	
*		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1		1	
		63200310	GUARDRAIL REMOVAL	FOOT	331		331	
		64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	22		22	
*		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	775	775		
*		66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8		
*		66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		

MODEL: Default  
FILE NAME: C:\2018\180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\180287-500.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 5	OF 12 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	7
ILLINOIS   FED. AID PROJECT 9351(746)			CONTRACT NO. 61H49	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
*		66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
*		66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4	4		
		67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	7		7	
		67100100	MOBILIZATION	L SUM	1		1	
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	120		120	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	14,771		14,771	
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,834		5,834	
		70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	912		912	
		70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	43,567		43,567	
		70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	6,831		6,831	
		70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	658		658	
		70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	717		717	
		70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	396		396	
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	4,964		4,964	
		70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	894		894	
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,651		1,651	
		70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8		8	

MODEL: Default  
 FILE NAME: Z:\2018\180287\_OrchardRoadRoute30\cadd\Civil\Drawings\180287-500.dgn



USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

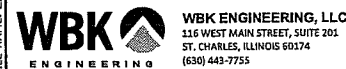
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 6	OF 12 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	8
ILLINOIS			CONTRACT NO. 61H49	
FED. AID PROJECT 9351(746)				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
*		72000100	SIGN PANEL - TYPE 1	SQ FT	164		164	
*		72000200	SIGN PANEL - TYPE 2	SQ FT	44		44	
*		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	12		12	
*		72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1		1	
*		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	12		12	
*		72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1		1	
*		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1		1	
*		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	156		156	
*		78003111	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 4"	FOOT	2,670		2,670	
*		78003131	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 6"	FOOT	1,085		1,085	
*		78003151	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 12"	FOOT	216		216	
*		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	582		582	
*		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	11,060		11,060	
*		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,123		1,123	
*		78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1,192		1,192	
*		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1,355		1,355	
*		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	258		258	

MODEL: Default OrchardRoadRoute30.cadd\Civil\Shl180287-500.dgn



USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: NTS SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	9
ILLINOIS FED. AID PROJECT 9351746			CONTRACT NO. 61H49	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
*		78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2,670		2,670	
*		78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	1,085		1,085	
*		78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	216		216	
*		78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	7		7	
*		78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	795		795	
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	114		114	
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	7,719		7,719	
*		80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1	
*		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,128		1,128	
*		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	395		395	
*		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	692		692	
*		81400100	HANDHOLE	EACH	5		5	
*		81400200	HEAVY-DUTY HANDHOLE	EACH	5		5	
*		81400300	DOUBLE HANDHOLE	EACH	5		5	
*	S	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
*	S	87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	15		15	
*		87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,333		3,333	
*		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,700		1,700	

MODEL: Default  
FILE NAME: Z:\2018\180287\_OrchardRoadIntersect30\cadd\Civil\Drawings\180287-500.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-9755

USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 8	OF 12 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	10
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 93517461	



SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
*		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,687		2,687	
*		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,587		2,587	
*		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,389		2,389	
*		87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	6,254		6,254	
*		87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	69		69	
*		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2,312		2,312	
*		87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	2		2	
*		87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2		2	
*		87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2		2	
*		87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1		1	
*		87700400	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1		1	
*		87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4		4	
*		87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	25		25	
*		87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43		43	
*		87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21		21	
*		87900200	DRILL EXISTING HANDHOLE	EACH	2		2	
*		88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		8	

MODEL: Default  
FILE NAME: Z:\2018\180287 - Orchard Road at Route 30\cadd\Civil\Drawn\180287-500.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 9	OF 12 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	11
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
*		88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1	
*		88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3	
*		88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7		7	
*		88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8	
*		88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	15		15	
*		88500100	INDUCTIVE LOOP DETECTOR	EACH	19		19	
*		88600100	DETECTOR LOOP, TYPE I	FOOT	1,494		1,494	
*		88700200	LIGHT DETECTOR	EACH	4		4	
*		88700300	LIGHT DETECTOR AMPLIFIER	EACH	4		4	
*		88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8	
*		89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
*		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8,047		8,047	
*	S	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	
*	S	89502376	REBUILD EXISTING HANDHOLE	EACH	3		3	
*		89502380	REMOVE EXISTING HANDHOLE	EACH	10		10	
*	S	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1	
*		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9	

MODEL: D:\DWG\WBK\17-00488-00-CH\17-00488-00-CH.dgn



USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: NTS    SHEET 10 OF 12 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	12
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 9351(746)	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
	S	X0322918	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	4	4		
*	S	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	952		952	
*	S	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	2,490		2,490	
	S	X0325405	FILL EXISTING STORM SEWERS	CU YD	24.6	24.6		
	S	X0326806	WASHOUT BASIN	L SUM	1	1		
*	S	X0326811	ABANDON CONDUIT IN PLACE	EACH	24		24	
*	S	X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	292		292	
*	S	X1400182	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1		1	
*	S	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2		2	
*	S	X1400368	RELOCATE EXISTING PTZ CAMERA	EACH	1		1	
	S	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	25		25	
	S	X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	595	595		
	S	X6020399	CONNECTION TO EXISTING MANHOLE	EACH	1	1		
	S	X6060714	CONCRETE MEDIAN (SPECIAL)	SQ FT	4,314	4,314		
	S	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
*	S	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	234		234	

MODEL: Default  
FILE NAME: Z:\20 B\180237 - Orchard Road at Route 30\cadd\Civil\Drawn\180237-500.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = avueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 11	OF 12 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	13
			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT 9351(746)				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
*	S	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1	
*	S	X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	3,333		3,333	
*	S	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8		8	
*	S	X8950510	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	2,974		2,974	
*	S	XX007251	INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1		1	
*	S	XX007953	NETWORK CONFIGURATION	L SUM	1		1	
*	S	XX008454	ETHERNET SWITCH, TYPE 2	EACH	1		1	
*	S	XX008963	THREE CELL FABRIC INNERDUCT	FOOT	3,333		3,333	
	S	Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1	
	S	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	85		85	
*	S	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	4		4	
	S	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	136	136		
	S	Z0062456	TEMPORARY PAVEMENT	SQ YD	595	595		
	S	Z0064600	SELECTIVE CLEARING	ACRE	0.2	0.2		
*	S	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1	
	S	Z0076600	TRAINEES	HOUR	1,500			1,500
	S	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,500			1,500

MODEL: Default  
FILE NAME: Z:\001\B180287\_OrchardRoadatRoute30\Lead\Civil\Drawings\180287-500.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

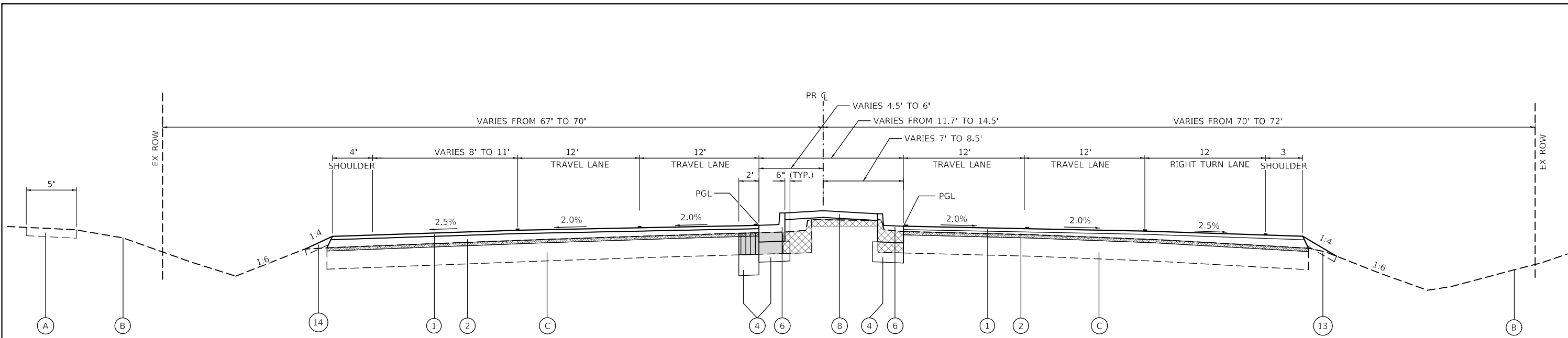
USER NAME = awaelner	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 12	OF 12 SHEETS	STA. TO STA.

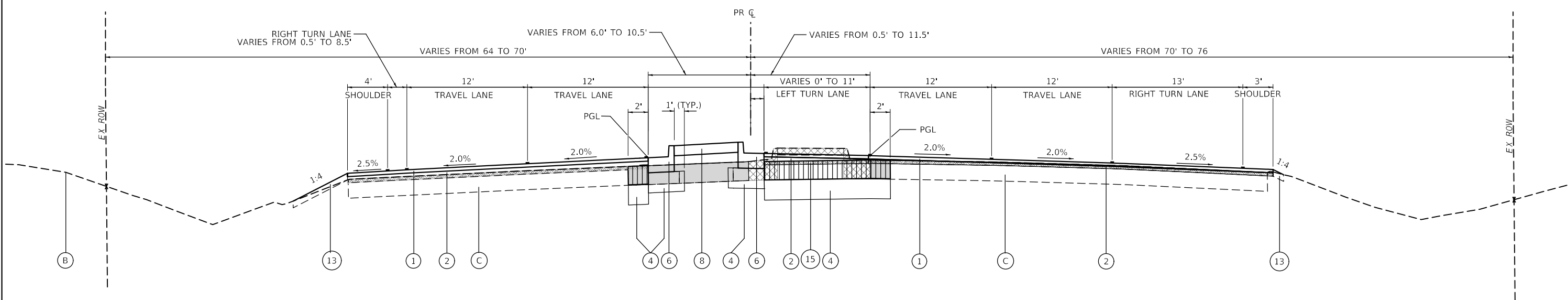
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	14
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				





**TYPICAL SECTION – ORCHARD ROAD**

STA 109+05.97 TO STA 109+86.85  
(LOOKING NORTH)



**TYPICAL SECTION – ORCHARD ROAD**

STA 109+86.85 TO STA 113+00  
(LOOKING NORTH)

**LEGEND – EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND – REMOVALS**

- [Hatched Box] HMA SURFACE REMOVAL, 2"
- [Diagonal Lines] PAVED SHOULDER REMOVAL
- [Solid Grey Box] PAVEMENT REMOVAL
- [Diagonal Lines] SIDEWALK REMOVAL
- [Cross-hatched Box] MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND – PROPOSED**

- [Vertical Lines] CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (RESURFACING - 2 1/2" - 8"; WIDENING - 2 1/4")
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) PIPE UNDERDRAINS, TYPE 2, 4"

MODEL: D:\dgn\11180287\_OrchardRoad\atRoute30\cadd\Civil\Drawn\11180287-TYP.dgn

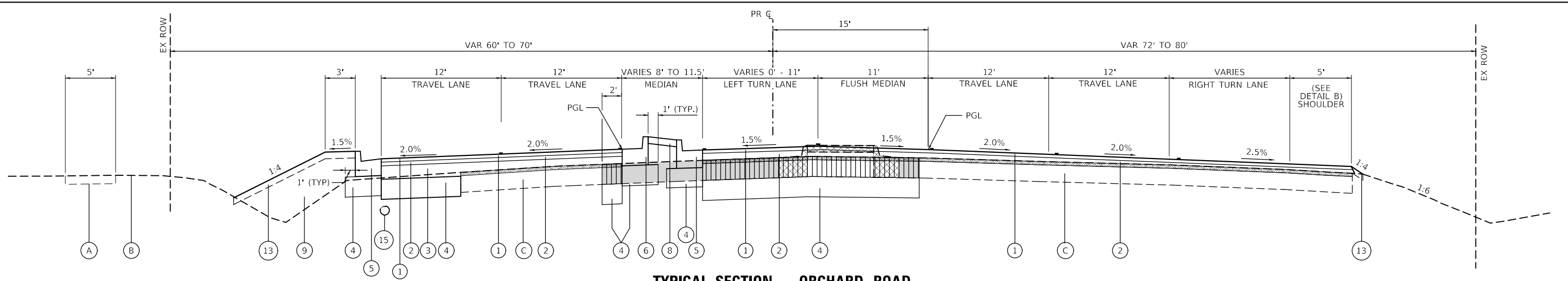
**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

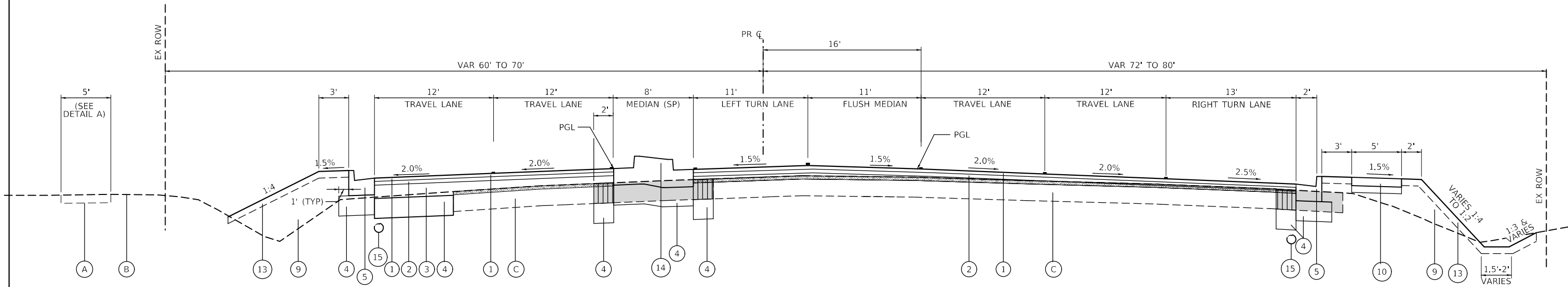
PROPOSED TYPICAL SECTIONS	
ORCHARD ROAD AT US ROUTE 30 INTERSECTION	
SCALE: NTS	SHEET 1 OF 6 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	15
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



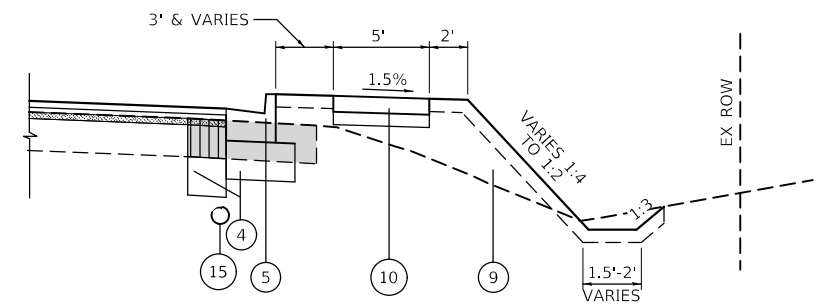
**TYPICAL SECTION - ORCHARD ROAD**

STA 113+00 TO STA 114+33.28  
(LOOKING NORTH)



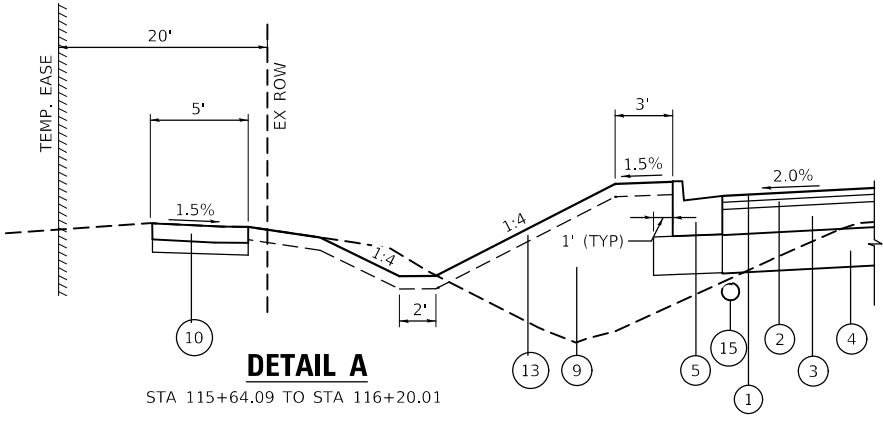
**TYPICAL SECTION - ORCHARD ROAD**

STA 114+33.28 TO STA 116+20.01  
(LOOKING NORTH)



**DETAIL B**

STA 113+68.24 TO STA 114+33.28



**DETAIL A**

STA 115+64.09 TO STA 116+20.01

**LEGEND - EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND - REMOVALS**

- HMA SURFACE REMOVAL, 2"
- PAVED SHOULDER REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND - PROPOSED**

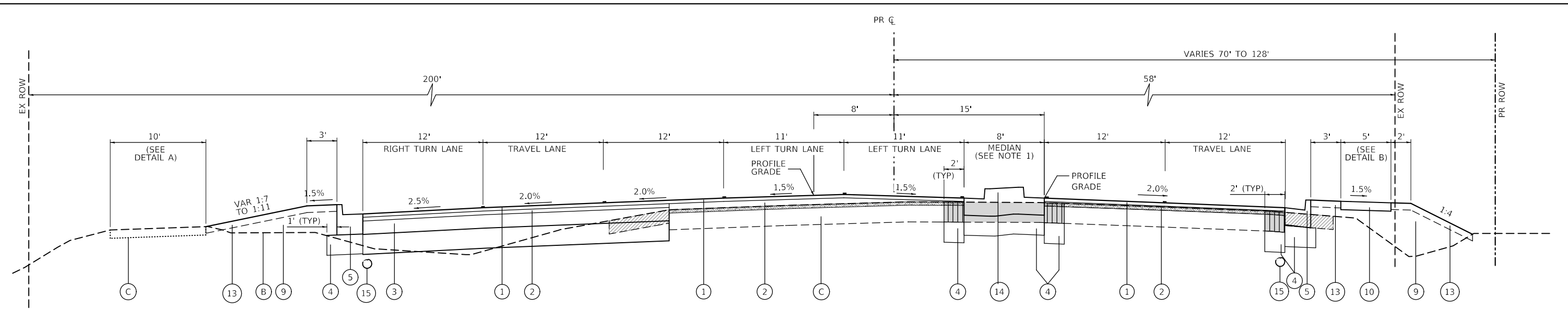
- CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (RESURFACING - 2 1/4" - 8"; WIDENING - 2 1/4")
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"

- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) PIPE UNDERDRAINS, TYPE 2, 4"

MODEL: D:\p\11180287\_OrchardRoad\Borad\Borad\30\cadd\Civil\Drawings\180287-TYP.dgn  
 FILE NAME: 20230111180287\_OrchardRoad\Borad\Borad\30\cadd\Civil\Drawings\180287-TYP.dgn

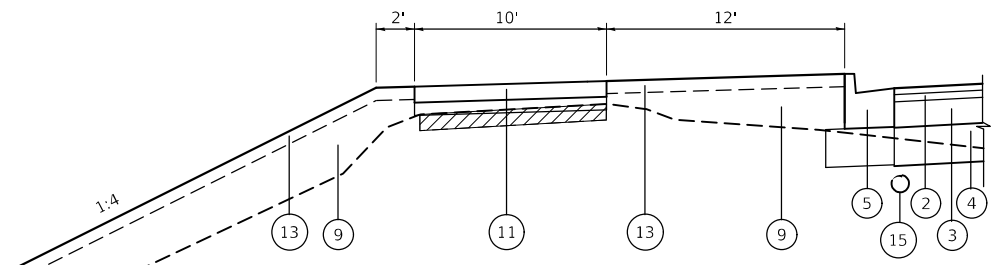
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 16
ILLINOIS FED. AID PROJECT 93511746			CONTRACT NO. 61H49	



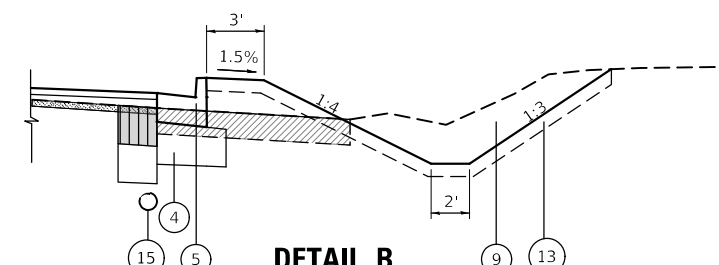
**TYPICAL SECTION – ORCHARD ROAD**

STA 117+60.12 TO STA 120+80.40  
(LOOKING NORTH)



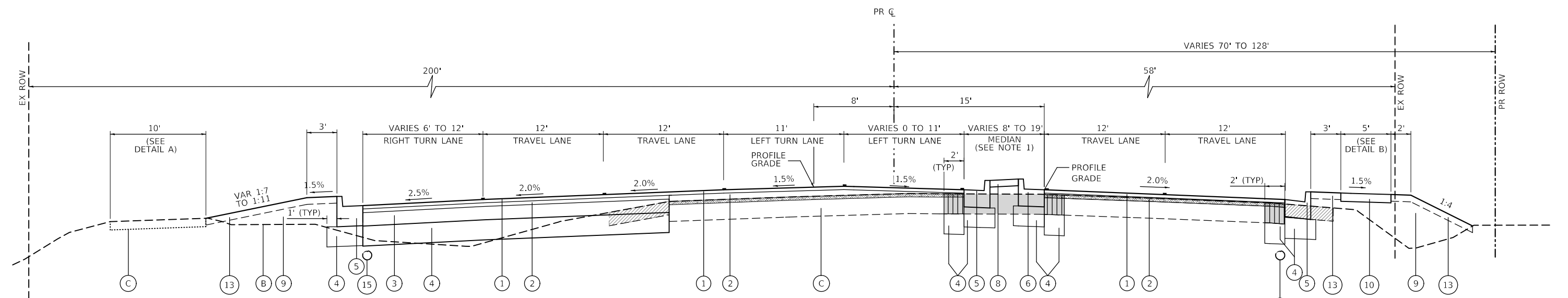
**DETAIL A**

STA 117+60.12 TO STA 118+40.73  
STA 119+01.00 TO STA 119+11.00  
STA 120+21.88 TO STA 120+31.88



**DETAIL B**

STA 118+00.00 TO STA 119+00.05  
STA 121+56.01 TO STA 122+30.29



**TYPICAL SECTION – ORCHARD ROAD**

STA 120+80.40 TO STA 122+30.29  
(LOOKING NORTH)

**LEGEND – EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND – REMOVALS**

- [Hatched Box] HMA SURFACE REMOVAL, 2"
- [Diagonal Lines] PAVED SHOULDER REMOVAL
- [Solid Grey Box] PAVEMENT REMOVAL
- [Diagonal Lines] SIDEWALK REMOVAL
- [Cross-hatched Box] MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND – PROPOSED**

- [Vertical Lines] CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (RESURFACING - 2 1/4" - 8"; WIDENING - 2 1/4")
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) PIPE UNDERDRAINS, TYPE 2, 4"

MODEL: D:\p1\180287\_OrchardRoad\180287-TYP.dgn



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

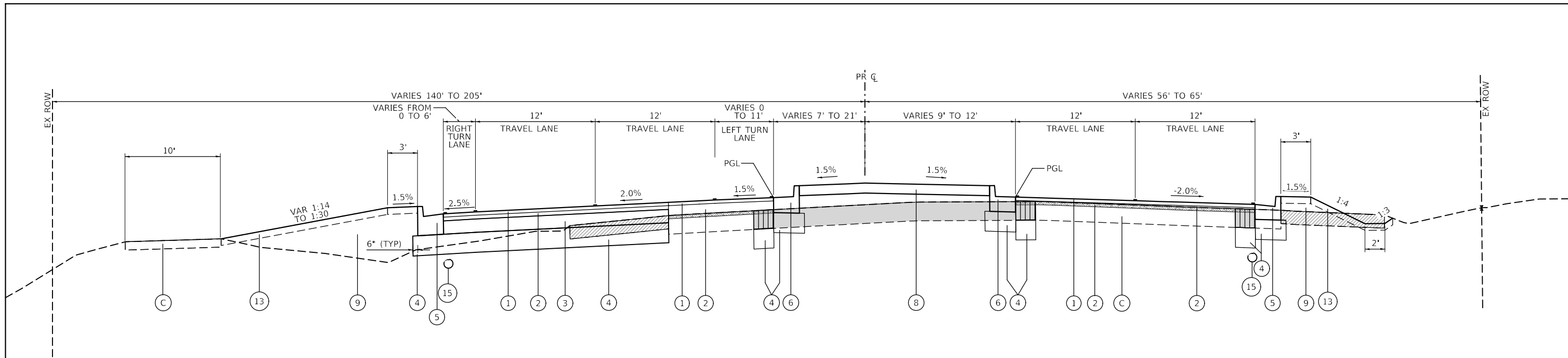
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

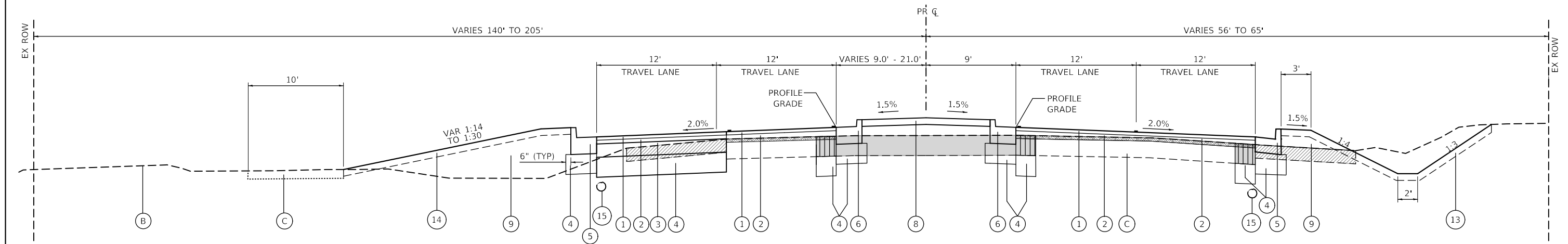
SCALE: NTS SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 17
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**TYPICAL SECTION - ORCHARD ROAD**

STA 122+30.29 TO STA 123+80.40  
(LOOKING NORTH)



**TYPICAL SECTION - ORCHARD ROAD**

STA 123+80.40 TO STA 128+24.04  
(LOOKING NORTH)

**LEGEND - EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND - REMOVALS**

- [Hatched Box] HMA SURFACE REMOVAL, 2"
- [Diagonal Hatched Box] PAVED SHOULDER REMOVAL
- [Solid Grey Box] PAVEMENT REMOVAL
- [Diagonal Hatched Box] SIDEWALK REMOVAL
- [Cross-hatched Box] MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND - PROPOSED**

- [Vertical Lines] CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (RESURFACING - 2 1/2" - 8"; WIDENING - 2 1/4")
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) PIPE UNDERDRAINS, TYPE 2, 4"

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION

SCALE: NTS SHEET 4 OF 6 SHEETS STA. TO STA.

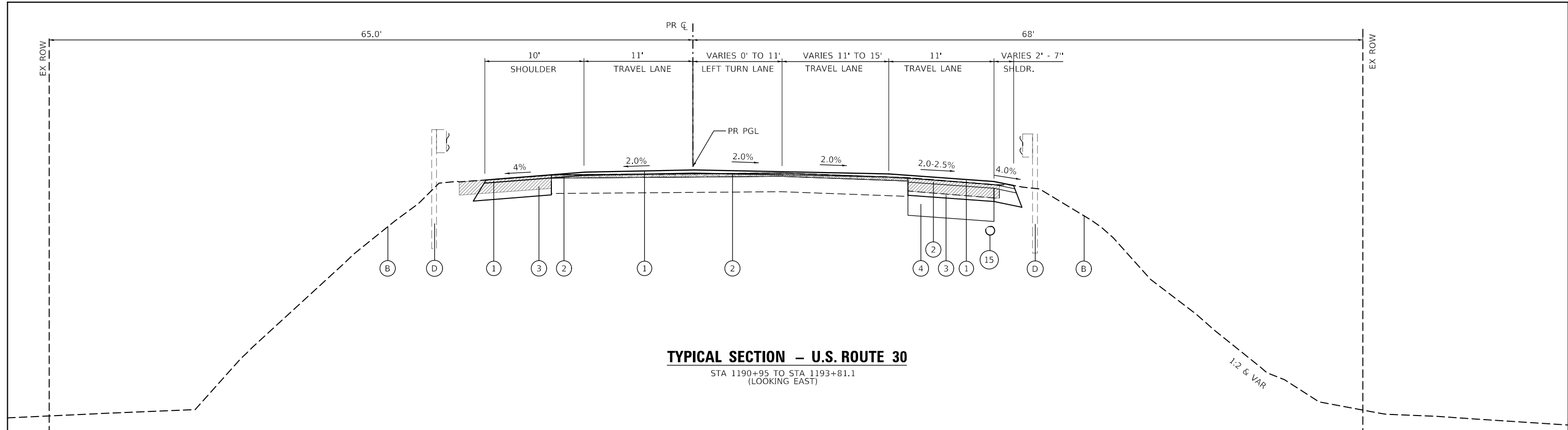
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	18
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

MODEL: D:\dgn\1180287\_OrchardRoad\Borow30\cadd\Civil\Drawings\180287-TYP.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

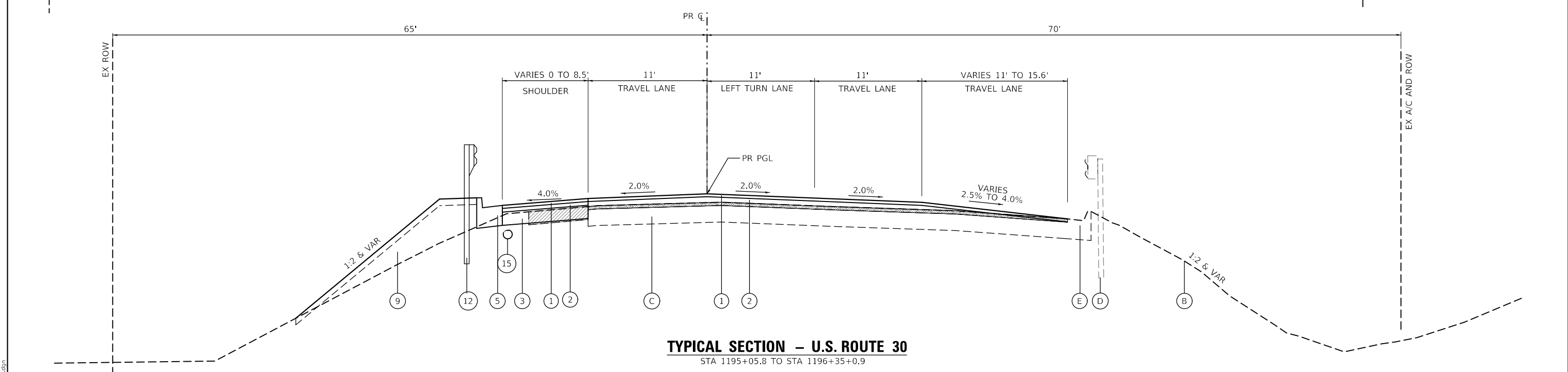
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -





**TYPICAL SECTION – U.S. ROUTE 30**

STA 1190+95 TO STA 1193+81.1  
(LOOKING EAST)



**TYPICAL SECTION – U.S. ROUTE 30**

STA 1195+05.8 TO STA 1196+35+0.9

**LEGEND – EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND – REMOVALS**

- [Hatched Box] HMA SURFACE REMOVAL, 2"
- [Diagonal Lines] PAVED SHOULDER REMOVAL
- [Solid Grey] PAVEMENT REMOVAL
- [Diagonal Lines] SIDEWALK REMOVAL
- [Cross-hatched] MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND – PROPOSED**

- [Vertical Lines] CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (RESURFACING - 2 1/4" - 8"; WIDENING - 2 1/4")
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"

- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION

- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) PIPE UNDERDRAINS, TYPE 2, 4"

MODEL: D:\p\11\180287\_OrchardRoadatRoute30\cdm\Civil\Drawings\180287-TYP.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

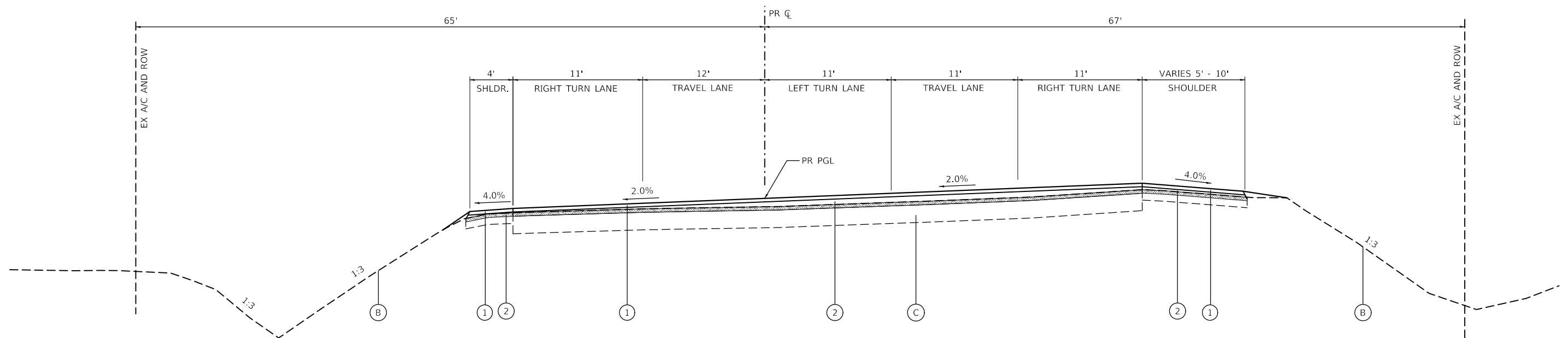
SCALE: NTS SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	19
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
OPERATION	MIXTURE TYPE	AIR VOIDS @ NOTES	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING	POLYMERIZED HMA SURFACE COURSE, IL-9.5 MIX "E", N70, 2"	4% @70 GYR	QC/QA
	HMA BINDER COURSE, IL-19.0, N90, 2 1/4" - 8"	4% @70 GYR	QC/QA
PAVEMENT WIDENING	POLYMERIZED HMA SURFACE COURSE, IL-9.5 MIX "E", N70, 2"	4% @70 GYR	QC/QA
	HMA BINDER COURSE, IL-19.0, N90, 2 1/4"	4% @70 GYR	QC/QA
	HMA BASE COURSE WIDENING, 8"	4% @70 GYR	QC/QA
SHOULDER RESURFACING	POLYMERIZED HMA SURFACE COURSE, IL-9.5 MIX "E", N70, 2"	4% @70 GYR	QC/QA
	HMA BINDER COURSE, IL-9.5, N90, 2 1/4"	4% @70 GYR	QC/QA
TEMPORARY PAVEMENT	HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @70 GYR	QC/QA
	HMA BINDER COURSE, IL-19.0, N70, 8"	4% @70 GYR	QC/QA
CLASS D PATCHES (OVER STORM SEWERS)	HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @70 GYR	QC/QA
	HMA BINDER COURSE, IL-19.0, N70, 8"	4% @70 GYR	QC/QA
HMA PATH	HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @50 GYR	QC/QA
PRIVATE DRIVEWAY	HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @50 GYR	QC/QA
	HMA BINDER COURSE, IL-19.0, N90, 6"	4% @50 GYR	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA);			
QUALITY CONTROL FOR PERFORMANCE (QCP);			
PAY FOR PERFORMANCE (PFP)			

### MIXTURE REQUIREMENT NOTES

- THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS / SQ YD / INCH.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- BRIDGE OMISSIONS STA. 1193+81.1 TO STA. 1195+10.70
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
- THE CLASS D PATCHES WILL BE PERFORMED DURING THE PRESTAGE. SEE THE DRAINAGE & UTILITIES PLANS FOR DETAILS.



### TYPICAL SECTION - U.S. ROUTE 30

STA 1198+25 TO STA 1199+25.00  
(LOOKING EAST)

#### LEGEND - EXISTING

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

#### LEGEND - REMOVALS

- HMA SURFACE REMOVAL, 2"
- PAVED SHOULDER REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

#### LEGEND - PROPOSED

- CLASS D PATCHES, TYPE IV, 11"
- ① POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (RESURFACING - 2 1/4" - 8"; WIDENING - 2 1/4")
- ③ HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"

- ⑤ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)
- ⑥ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- ⑦ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- ⑧ CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- ⑨ FURNISHED EXCAVATION
- ⑩ PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑪ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"
- ⑫ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- ⑬ TOPSOIL FURNISH & PLACE, 4"
- ⑭ CONCRETE MEDIAN (SPECIAL)
- ⑮ PIPE UNDERDRAINS, TYPE 2, 4"

MODEL: D:\p1\180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\180287-TYP.dgn



USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	20
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**EARTHWORK SCHEDULE**

LOCATION (ORCHARD ROAD)	EARTHWORK			
	20200100	20400800		20201200
	EARTH EXCAVATION	FURNISHED EXCAVATION	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (15% SHRINKAGE)	REMOVE AND DISPOSAL OF UNSUITABLE MATERIAL
	(CU YD)	(CU YD)	(CU YD)	(CU YD)
109+00 TO 112+50	238.6	38.1	164.7	22.8
112+50 TO 116+00	277.1	364.9	-129.4	41.3
116+00 TO 119+50	204.5	679.5	-505.7	103.7
119+50 TO 123+00	307.3	319.0	-57.8	116.1
123+00 TO 126+50	319.6	396.0	-124.3	16.3
126+50 TO 128+50	126.3	93.7	13.7	0.0
<b>TOTAL</b>	<b>1473.4</b>	<b>1891.2</b>	<b>-638.8</b>	<b>300.2</b>


CUT = EARTH EXCAVATION (-) = QUANTITY OF FURNISHED EXCAVATION  
 FILL = EMBANKMENT (+) = QUANTITY TO BE WASTED  
 QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 15% ASSUMED 1 FOOT OF TOPSOIL TO BE EXCAVATED TO BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

LOCATION	20200100	20201200	20400800	20800150	21001000	21101615	21400100
	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION	TRENCH BACKFILL	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	TOPSOIL FURNISH AND PLACE, 4"	GRADING AND SHAPING DITCHES
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)	(SQ YD)	(FT)
ORCHARD RD AND US 30 109+05.97 112+00.00	186.4	12.9	33.1				230.0
112+00.00 118+00.00	382.7	54.0	852.9	198.6	482	337.0	375.0
118+00.00 124+00.00	551.3	229.6	647.3	956.2	1789	100.0	344.0
124+00.00 128+24.00	353.0	3.7	357.9	23.9	357		360.0
1190+95.06 1193+81.40	374.1	11.4	0.0				
1195+05.70 1199+50.00	199.1	21.0	254.2	4.0			
<b>TOTAL</b>	<b>2047</b>	<b>335</b>	<b>2145</b>	<b>1183</b>	<b>2628</b>	<b>437</b>	<b>1309</b>

LOCATION	EARTHWORK US 30			
	20200100	20400800		20201200
	EARTH EXCAVATION	FURNISHED EXCAVATION	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (15% SHRINKAGE)	REMOVE AND DISPOSAL OF UNSUITABLE MATERIAL
	(CU YD)	(CU YD)	(CU YD)	(CU YD)
1190+95.00 TO 1199+25	573.2	254.2	233.0	32.4
<b>TOTAL</b>	<b>573.2</b>	<b>254.2</b>	<b>233.0</b>	<b>32.4</b>

CUT = EARTH EXCAVATION (-) = QUANTITY OF FURNISHED EXCAVATION  
 FILL = EMBANKMENT (+) = QUANTITY TO BE WASTED  
 BRIDGE OMISSION : 1193+81.40 TO 1195+05.7  
 QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 15% ASSUMED 1 FOOT OF TOPSOIL TO BE EXCAVATED TO BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

MODEL: D:\p1\180287 - OrchardRoad\atRoute30\cadd\Civil\Drawings\180287-5CH.dgn

 <b>WBK ENGINEERING, LLC</b> 116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755	USER NAME = ssundaresan	DESIGNED - SS	REV. - 10/11/2021	REV. - 11/10/2021
	PLOT SCALE = 1:2	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
	PLOT DATE = 12/3/2021	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
		DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>			
<b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	21
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				

**EROSION CONTROL SCHEDULES**

LOCATION	25000210	25000400	25000600	25100630	28000250	28000400	28000510	28001100
	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET FILTERS	TEMPORARY EROSION CONTROL BLANKET
	(ACRE)	(POUND)	(POUND)	(SQ YD)	(POUND)	(FT)	(EACH)	(SQ YD)
ORCHARD RD AND US 30								
INTERSECTION SOUTH LEG	0.21	18.9	18.9	1015.7	63.0	691.0		1015.7
INTERSECTION SOUTH LEG	0.24	21.2	21.2	1139.0	70.6	680.0	6.0	1773.6
INTERSECTION NORTH LEG	0.43	38.7	38.7	2079.1	128.9	1076.0	17.0	2079.1
INTERSECTION NORTH LEG	0.43	38.4	38.4	2062.9	127.9	795.2	7.0	2062.9
INTERSECTION WEST LEG	0.16	14.3	14.3	769.8	47.7	1600.0		769.8
INTERSECTION WEST LEG	0.14	12.5	12.5	673.8	41.8	1532.0		673.8
INTERSECTION EAST LEG	0.00	0.3	0.3	16.4	1.0	100.0		16.4
INTERSECTION EAST LEG	0.04	3.9	3.9	13.1	13.1	82.0		212
<b>TOTAL</b>	<b>2</b>	<b>149</b>	<b>149</b>	<b>7969</b>	<b>494</b>	<b>6557</b>	<b>30</b>	<b>8604</b>

\* 3 APPLICATIONS

LOCATION	28000305	28100105	28100107	28200200
	TEMPORARY DITCH CHECKS	STONE RIPRAP, CLASS A3	STONE RIPRAP, CLASS A4	FILTER FABRIC
	(FT)	(SQ YD)	(SQ YD)	(SQ YD)
ORCHARD RD AND US 30				
109+05.97				
112+00.00	70.00	24.0	17.8	41.4
118+00.00	14.00		35.6	35.6
124+00.00				
1190+95.06				
1195+05.70				
<b>TOTAL</b>	<b>84</b>	<b>24</b>	<b>54</b>	<b>77</b>

MODEL: D:\p\h\... FILE NAME: 20230101180287 - OrchardRoadatRoute30.cadd\JLD\m\Shr\180287-SCH.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = ssundaresan	DESIGNED - JB	REV. - 10/11/2021	REV. - 11/10/2021
PLOT SCALE = 1:2	DRAWN - KON	REV. - 10/18/2021	REV. - 11/15/2021
PLOT DATE = 12/3/2021	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	22
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**PAVEMENT SCHEDULE**

LOCATION	30300112	31101000	31101200	35101800	35501316
	AGGREGATE SUBGRADE IMPROVEMENT 12"	SUBBASE GRANULAR MATERIAL, TYPE B	SUBBASE GRANULAR MATERIAL, TYPE B 4"	AGGREGATE BASE COURSE, TYPE B 6"	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
	(SQ YD)	(TONS)	(SQ YD)	(SQ YD)	(SQ YD)
ORCHARD RD AND US 30 109+05.97 112+00.00	455.1	77.3			481.5
112+00.00 118+00.00	1742.8	34.1	467.0		
118+00.00 124+00.00	3068.5	154.8	39.3	111.5	1788.9
124+00.00 124+28.04	1233.1	256.6			357.1
1190+95.06 1193+81.10	335.1		508.0		745.4
1198+25.00 1199+25.00	0.0		118.5		
<b>TOTAL</b>	<b>6835</b>	<b>523</b>	<b>1133</b>	<b>111</b>	<b>3373</b>

LOCATION	40600275	40600290	40600982	40603090	40604060	40604172
	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, MIX "E", N70
	(POUND)	(POUND)	(SQ YD)	(TON)	(TON)	(TON)
ORCHARD RD AND US 30 109+05.97 112+00.00	5773.1	11546.2	40.2	323.3	3.0	287.4
112+00.00 118+00.00	14434.2	28868.5	40.1	869.0		772.4
118+00.00 124+00.00	7281.7	14563.4		642.5	12.6	562.8
124+00.00 124+28.04	4312.8	8625.7	24.0	286.5		254.7
1190+95.06 1193+81.10	6404.1	12808.2	56.5	358.6		318.8
1198+25.00 1199+25.00	1469.0	2938.1	30.7	82.3		73.1
<b>TOTAL</b>	<b>39675</b>	<b>79351</b>	<b>192</b>	<b>2562</b>	<b>16</b>	<b>2269</b>

LOCATION	42400200	42400800	44000100	44000157	44000200	44000500	44000600	44003100	44004250	44201773	44201781	44201783
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	MEDIAN REMOVAL	PAVED SHOULDER REMOVAL	CLASS D PATCHES, TYPE I, 11 INCH	CLASS D PATCHES, TYPE III, 11 INCH	CLASS D PATCHES, TYPE IV, 11 INCH
	SQ FT	SQ FT	SQ YD	SQ YD	SQ YD	FOOT	SQ FT	SQ FT	SQ YD	SQ YD	SQ YD	SQ YD
ORCHARD RD AND US 30 109+05.97 112+00.00			291.5	2311.2				3,511				255
112+00.00 118+00.00	763.1	143	1104.6	5828.1		85	281	31,946		12	23	587
118+00.00 124+00.00	3544.0		1430.5	2827.6	59	84	594		1,088			595
124+00.00 124+28.04			2057.6	1622.0		122			941			357
1190+95.06 1195+65.70			13.2	2184.2				1,662	739			
1198+46.70 1199+25.00												
<b>TOTAL</b>	<b>4307.0</b>	<b>143.0</b>	<b>4897.0</b>	<b>14773.0</b>	<b>59.0</b>	<b>291.0</b>	<b>875.0</b>	<b>37118.0</b>	<b>2768.0</b>	<b>12.0</b>	<b>23.0</b>	<b>1794.0</b>

MODEL: D:\p1\180287\_OrchardRoad\Boulevard30.cad\DWG\180287-5CH.dwg  
FILE NAME: 20230118180287\_OrchardRoad\Boulevard30.cad\DWG\180287-5CH.dwg

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = ssundaresan	DESIGNED - JB	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - KON	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 12/3/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>			
<b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE: NTS	SHEET 2	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	23
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**DRAINAGE SCHEDULE**

LOCATION	54213657	54213663	54213669	54213681
	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"
	(EACH)	(EACH)	(EACH)	(EACH)
ORCHARD RD				
109+05.97 112+00.00				
112+00.00 118+00.00	3.0	1.0	1.0	
118+00.00 124+00.00				1.0
124+00.00 128+24.00				
1190+50.00 1193+81.40				
1195+05.70 1198+50.00				
<b>TOTAL</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>

LOCATION	550A0340	550A0360	550A0380	550A0410	550A0430	550A0450	55100700	55100900	55101200
	STORM SEWERS, CLASS A, TYPE 2 12"	STORM SEWERS, CLASS A, TYPE 2 15"	STORM SEWERS, CLASS A, TYPE 2 18"	STORM SEWERS, CLASS A, TYPE 2 24"	STORM SEWERS, CLASS A, TYPE 2 30"	STORM SEWERS, CLASS A, TYPE 2 36"	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	STORM SEWER REMOVAL 24"
	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)
ORCHARD RD									
109+05.97 112+00.00									
112+00.00 118+00.00	149.6		35.0	52.0					
118+00.00 124+00.00	377.0	16.7			46.0	390.0	532.0	119.6	
124+00.00 128+24.00	95.1								
1190+50.00 1193+81.40								116.2	
1195+05.70 1198+50.00									202.0
<b>TOTAL</b>	<b>622</b>	<b>17</b>	<b>35</b>	<b>52</b>	<b>46</b>	<b>390</b>	<b>532</b>	<b>236</b>	<b>202</b>

LOCATION	60108204	60201340	60218400	60219540	60221100	60221700	60222100	60222240	60224449	60236200	60236900	60237470
	PIPE UNDERDRAINS, TYPE 2, 4"	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	MANHOLES, TYPE A, 4' - DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 4' - DIAMETER, TYPE 24 FRAME AND GRATE	MANHOLES, TYPE A, 5' - DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 5' - DIAMETER, TYPE 8 GRATE	MANHOLES, TYPE A, 5' - DIAMETER, TYPE 12 FRAME AND GRATE	MANHOLES, TYPE A, 5' - DIAMETER, TYPE 24 FRAME AND GRATE	MANHOLES, TYPE A, 7' - DIAMETER, TYPE 24 FRAME AND GRATE	INLETS, TYPE A, TYPE 8 GRATE	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	INLETS, TYPE A, TYPE 24 FRAME AND GRATE
	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
ORCHARD RD												
109+05.97 112+00.00												
112+00.00 118+00.00	102.0	1.0	1.0							1.0		4.0
118+00.00 124+00.00	898.0	3.0		3.0	3.0	1.0	1.0	1.0	3.0		1.0	3.0
124+00.00 128+24.00	834.0	2.0		1.0	1.0							1.0
1190+50.00 1193+81.40												
1195+05.70 1198+50.00												
<b>TOTAL</b>	<b>1834.00</b>	<b>6.00</b>	<b>1.00</b>	<b>4.00</b>	<b>4.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>3.00</b>	<b>1.00</b>	<b>1.00</b>	<b>8.00</b>

MODEL: D:\p1\180287\_OrchardRoad\180287-SCH.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = ssundaresan	DESIGNED - JB	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - KON	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 12/3/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>			
<b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE: NTS	SHEET 3	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	24
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**DRAINAGE SCHEDULE (CONT.)**

LOCATION	60255500	60260100	60265700	60500040	60500050
	MANHOLES TO BE ADJUSTED (EACH)	INLET TO BE ADJUSTED (EACH)	VALVE VAULTS TO BE ADJUSTED (EACH)	REMOVING MANHOLES (EACH)	REMOVING CATCH BASINS (EACH)
ORCHARD RD					
109+05.97 112+00.00					
112+00.00 118+00.00		1.0	1.0	2.0	
118+00.00 124+00.00	2.0				4.0
124+00.00 128+24.00	1.0				
1190+50.00 1193+81.40					
1195+05.70 1198+50.00	1.0				
<b>TOTAL</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>

LOCATION	60600605	60603800	60605000	60618300
	CONCRETE CURB, TYPE B (FT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FT)	CONCRETE MEDIAN SURFACE, 4 INCH (SQ FT)
SW CORNER NB	21			
SW CORNER NB	10			
NW CORNER NB	22			
NW CORNER NB	13			
SE CORNER NB	20			
SE CORNER NB	16			
NE CORNER NB	8			
NE CORNER NB	19			
NE CORNER BRENTWOOD NB	26			
NE BRENTWOOD END	27			
ORCHARD RD AND US 30				
109+05.97 112+00.00			588	2,319
112+00.00 118+00.00		185	1,381	1,024
118+00.00 124+00.00		114	2322	4,643
124+00.00 128+24.00			1696	7,697
1190+95.06 1193+81.40				
1195+05.70 1199+50.00				
<b>TOTAL</b>	<b>182</b>	<b>299</b>	<b>5987</b>	<b>15683</b>

**SAFETY SCHEDULE**

LOCATION	63000001	63100045	63100085	63100167	63200310	66900200	66900530	66901001	66901003	66901006	67000500	67100100
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FT)	TRAFFIC BARRIER TERMIAL, TYPE 2 (EACH)	TRAFFIC BARRIER TERMIAL, TYPE 6 (EACH)	TRAFFIC BARRIER TERMIAL, TYPE 1 (SPECIAL) TANGENT (EACH)	GUARDRAIL REMOVAL (FT)	NON-SPECIAL WASTE DISPOSAL (CU YD)	SOIL DISPOSAL ANALYSIS (EACH)	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN (LSUM)	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT (LSUM)	REGULATED SUBSTANCES MONITORING (DAYS)	ENGINEER'S FIELD OFFICE, TYPE B (CAL MO)	MOBILIZATION (LSUM)
ORCHARD RD AND US 30												1
109+05.97 112+00.00												
112+00.00 118+00.00					189	310	3	1	1	2	7	
118+00.00 124+00.00												
124+00.00 128+24.00					142							
1190+95.06 1193+81.40												
1195+05.70 1199+50.00	75	1	1	1								
<b>TOTAL</b>	<b>75</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>331</b>	<b>310</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1.5</b>	<b>7</b>	<b>1</b>

MODEL D:\d\h\j\... FILE NAME: 20230101180287 - OrchardRoadatRoute30.cad\Civil\Drawings\180287-5CH.dgn

**MAINTENANCE OF TRAFFIC SCHEDULE**

	70307100	70307120	70307130	70307140	70307160	70307210	70400100	64300260	70400125	70400200	70600332
LOCATION	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	PINNING TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
	(SQ FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(EACH)	(EACH)	(FT)	(EACH)
<b>PRESTAGE</b>											
ORCHARD ROAD STATION STATION	15.20	1,125.00	538		0	0	506	1	40		
106+00 106+00	0	2,923.02	0		0	0					
120+00 130+00	0	0.00	0		0	0					
US ROUTE 30											
1188+00 1196+00	0	0	0		0	0			42		
1196+00 1198+00	0	0	0		0	0					
1198+50 1208+00	0	0	0		0	0					
<b>STAGE 1A</b>											
ORCHARD ROAD STATION STATION	0	563.84	66.90		0	0					
106+00 106+00	121.6	4,827.15	725.38		342	18	420	2	34		
120+00 130+00	0	1,175.67	0.00		0	24	692	2	55		
US ROUTE 30											
1188+00 1196+00	15.2	3,027.79	42.70		0	0	523	2	42		
1196+00 1198+00	15.2	149.97	0		0	0					
1198+50 1208+00	30.4	224.61	0		0	0					
<b>STAGE 1B</b>											
ORCHARD ROAD STATION STATION	0	0	0		0	0					
106+00 120+00	45.6	0	0		0	0	433	2	35	433	4
120+00 130+00	0	0	0		0	0	692	4	55	692	2
US ROUTE 30											
1188+00 1196+00	15.2	3,613.84	197.87		0	0	526	1		526	2
1196+00 1198+00	15.2	488.59	60.35		0	0					
1198+50 1208+00	76	3,014.44	887.29		0	0					
<b>STAGE 2</b>											
ORCHARD ROAD STATION STATION	0	0.00	0.00		0	0					
106+00 106+00	167.2	3,486.19	238.38	341.50	179	115		2			
120+00 130+00	15.2	3,709.29	180.20		164	21		2			
US ROUTE 30											
1188+00 1196+00	15.2	4,534.93	366.67		0	0					
1196+00 1198+00	15.2	145.65	35.00		0	40					
1198+50 1208+00	60.8	3,956.91	1002.19		0	34					
<b>STAGE 3</b>											
ORCHARD ROAD STATION STATION	15.2	1,456.30	570.00		0	0					
106+00 106+00	182.4	3,269.35	950.84	315.75	32	125	726	2	58		
120+00 130+00	0	1,871.25	310.60		0	18	446	2	36		
US ROUTE 30											
1188+00 1196+00	15.2	0	0		0	0					
1196+00 1198+00	15.2	0	0		0	0					
1198+50 1208+00	60.8	0	0		0	0					
<b>TOTAL</b>	<b>912</b>	<b>43567</b>	<b>6,831</b>	<b>658</b>	<b>717</b>	<b>396</b>	<b>4964</b>	<b>22</b>	<b>894</b>	<b>1651</b>	<b>8</b>

\*6 PINS EA TCB

MODEL: D:\cadd\180287 - OrchardRoadatRoute30.cadd\180287-SCH.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = ssundaresan	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
PLOT SCALE = 1:2	DRAWN - KON	REV. - 10/18/2021	REV. - 11/15/2021
PLOT DATE = 12/3/2021	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	26
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**SHORT TERM PAVEMENT MARKING SCHEDULE**

SHORT TERM PAVEMENT MARKING SCHEDULE		
		70300100
REPLACEMENT ITEMS		SHORT TERM PAVEMENT MARKING
		(FT)
<b>MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS</b>		
ORCHARD ROAD		
102+00 TO 106+00	ONLY & RT ARROW	
	ONLY & LT ARROW	
106+00 TO 130+00	ONLY & RT ARROW	109.2
	ONLY & LT ARROW	218.4
	MERGE ARROW	
US ROUTE 30		
1188+00 TO 1208+00	ONLY & RT ARROW	109.2
	ONLY & LT ARROW	109.2
	MERGE ARROW	36.4
<b>MODIFIED URETHANE PAVEMENT MARKING - LINE 4"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	63.6
120+00	120+00	3177.5
120+00	130+00	
US ROUTE 30		
1188+00	1196+00	4220.4
1196+00	1198+00	
1198+00	1208+00	3596.8
<b>MODIFIED URETHANE PAVEMENT MARKING - LINE 6"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	69.5
120+00	120+00	145.8
120+00	130+00	214.2
US ROUTE 30		
1188+00	1196+00	359.9
1196+00	1198+50	
1198+50	1208+00	332.7
<b>MODIFIED URETHANE PAVEMENT MARKING - LINE 8"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	
106+00	120+00	394.5
120+00	130+00	
US ROUTE 30		
1188+00	1196+00	
1196+00	1198+50	
1198+50	1208+00	
<b>MODIFIED URETHANE PAVEMENT MARKING - LINE 12"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	
106+00	120+00	1234.9
120+00	130+00	120.0
US ROUTE 30		
1188+00	1196+00	
1196+00	1198+50	
1198+50	1208+00	
<b>TOTAL</b>		<b>14513</b>

SHORT TERM PAVEMENT MARKING SCHEDULE		
		70300100
REPLACEMENT ITEMS		SHORT TERM PAVEMENT MARKING
		(FT)
<b>MODIFIED URETHANE PAVEMENT MARKING - LINE 24"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	158.6
120+00	120+00	23.5
120+00	130+00	
US ROUTE 30		
1188+00	1196+00	
1196+00	1198+50	75.8
1198+50	1208+00	
<b>TOTAL</b>		<b>258.0</b>

SHORT TERM PAVEMENT MARKING SCHEDULE		
		70300150
REPLACEMENT ITEMS		SHORT TERM PAVEMENT MARKING REMOVAL
		(SQ FT)
<b>MODIFIED URETHANE PAVEMENT MARKING &amp; TEMP PVMT MRKG TAPE TYPE IV - LETTERS AND SYMBOLS</b>		
ORCHARD ROAD		
102+00 TO 106+00	ONLY & RT ARROW	30.4
	ONLY & LT ARROW	
106+00 TO 130+00	ONLY & RT ARROW	626
	ONLY & LT ARROW	233.6
	MERGE ARROW	
US ROUTE 30		
1188+00 TO 1208+00	ONLY & RT ARROW	109.2
	ONLY & LT ARROW	109.2
	MERGE ARROW	386
<b>MODIFIED URETHANE PAVEMENT MARKING LINE 4"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	21.2
120+00	120+00	1059.2
120+00	130+00	
US ROUTE 30		
1188+00	1196+00	1406.8
1196+00	1198+00	
1198+00	1208+00	1198.9
<b>TEMP PVMT MRKG - LINE 4" - TYPE IV - TAPE</b>		<b>14522.00</b>
<b>MODIFIED URETHANE PAVEMENT MARKING &amp; TEMP PVMT MRKG TAPE TYPE IV - LINE 6"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	69.5
120+00	120+00	72.9
120+00	130+00	107.1
US ROUTE 30		
1188+00	1196+00	180.0
1196+00	1198+50	
1198+50	1208+00	166.4
<b>TEMP PVMT MRKG - LINE 6" - TYPE IV - TAPE</b>		<b>3415.2</b>
<b>MODIFIED URETHANE PAVEMENT MARKING LINE 8"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	
106+00	120+00	263.0
120+00	130+00	
US ROUTE 30		
1188+00	1196+00	
1196+00	1198+50	
1198+50	1208+00	
<b>TEMP PVMT MRKG - LINE 8" - TYPE IV - TAPE</b>		<b>438.7</b>
<b>MODIFIED URETHANE PAVEMENT MARKING LINE 12"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	0.0
106+00	120+00	1234.9
120+00	130+00	120.0
US ROUTE 30		
1188+00	1196+00	
1196+00	1198+50	
1198+50	1208+00	
<b>TEMP PVMT MRKG - LINE 12" - TYPE IV - TAPE</b>		<b>716.7</b>
<b>TOTAL</b>		<b>26486.8</b>

SHORT TERM PAVEMENT MARKING SCHEDULE		
		70300150
REPLACEMENT ITEMS		SHORT TERM PAVEMENT MARKING REMOVAL
		(SQ FT)
<b>MODIFIED URETHANE PAVEMENT MARKING &amp; TEMP PVMT MRKG TAPE TYPE IV - LINE 24"</b>		
ORCHARD ROAD		
STATION	STATION	
106+00	106+00	0.0
120+00	120+00	317.2
120+00	130+00	47.0
US ROUTE 30		
1188+00	1196+00	
1196+00	1198+50	
1198+50	1208+00	151.6
<b>TEMP PVMT MRKG - LINE 24" - TYPE IV - TAPE</b>		<b>790.18</b>
<b>TOTAL</b>		<b>1306.0</b>

MODEL: D:\p\h\... FILE: 17-00488-00-CH-170-27.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = ssundaresan	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 12/3/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	27
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**PAVEMENT MARKING SCHEDULE**

LOCATION	72000100	72000200	72400100	72400200	72400500	72400600	72502000	72800100
	SIGN PANEL - TYPE 1	SIGN PANEL - TYPE 2	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	TERMINAL MARKER - DIRECT APPLIED	TELESCOPING STEEL SIGN SUPPORT
	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(FT)
ORCHARD ROAD STATION 106+00 - 120+00	150	44.3	7	1	7	1		139
120+00 - 130+00	14		4		4			18
US ROUTE 30 1188+00 - 1196+00							1	
1196+00 - 1198+50			1		1			
1198+50 - 1208+00								
<b>TOTAL</b>	<b>163.60</b>	<b>44.3</b>	<b>12</b>	<b>1</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>156</b>

LOCATION	78003111	78003131	78003151	78009000	78009004	78009006	78009008	78009012	78009024	78011025	78011035	78011065	78200006	78200011	78300200	78300202
	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 4"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 6"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	GUARDRAIL REFLECTORS, TYPE B	BARRIER WALL REFLECTORS, TYPE C	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL - WATER BLASTING
	(FT)	(FT)	(FT)	(SQ FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(EACH)	(EACH)	(EACH)	(SQ FT)
ORCHARD ROAD STATION 106+00 - 120+00	120.37				63.6	69.5			0	120.37		0		98		286
106+00 - 120+00	407	480.40	216.00	218.4	3177.5	145.8	394.5	1234.9	158.6	407	480.40	216.00	69	36	2,935	
120+00 - 130+00	2,142	604.6		109.2		214.2		120	23.5	2,142	604.6	0	146	54	1,154	
US ROUTE 30 1188+00 - 1196+00				36.4	4220.4	359.9							7	84	1,550	
1196+00 - 1198+50				109.2											254	
1198+50 - 1208+00				109.2	3596.8	332.7	797.4		75.8			0		16	1,539	
<b>TOTAL</b>	<b>2,670</b>	<b>1085</b>	<b>216</b>	<b>582</b>	<b>11060</b>	<b>1123</b>	<b>1192</b>	<b>1355</b>	<b>258</b>	<b>2670</b>	<b>1085</b>	<b>216</b>	<b>7</b>	<b>795</b>	<b>114</b>	<b>7719</b>

**SPECIALTY ITEMS SCHEDULE**

LOCATION	X0322918	X0325405	X4400110	X6020399	X6060714	X7810300	Z0030850	Z0056610	Z0062456	Z0064600
	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	FILL EXISTING STORM SEWERS	TEMPORARY PAVEMENT REMOVAL	CONNETION TO EXISTING MANHOLE	CONCRETE MEDIAN (SPECIAL)	RECESSED RELFECTIVE PAVEMENT MARKER	TEMPORARY INFORMATION SIGNING	STORM SEWER (WATER MAIN REQUIREMENT S) 15 INCH	TEMPORARY PAVEMENT	SELECTIVE CLEARING
	(EACH)	(CU YD)	(SQ YD)	(EACH)	(SQ FT)	(EACH)	(SQ FT)	(FT)	(SQ YD)	(ACRE)
ORCHARD RD AND US 30 109+05.97 - 112+00.00			595.0			14	21.3		595	0.20
112+00.00 - 118+00.00	4.0			1.0	1725.1	36		136		
118+00.00 - 124+00.00		17.2			2588.5	54				
124+00.00 - 124+28.04						24	21.3			
1190+95.06 - 1195+65.70						33	21.3			
1198+46.70 - 1199+25.00		7.4				74	21.3			
<b>TOTAL</b>	<b>4</b>	<b>25</b>	<b>0</b>	<b>1</b>	<b>4314</b>	<b>234</b>	<b>85</b>	<b>136</b>	<b>595</b>	<b>0.20</b>

MODEL: D:\p\11\180287 - OrchardRoadatRoute30.cad\11\180287-5CH.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

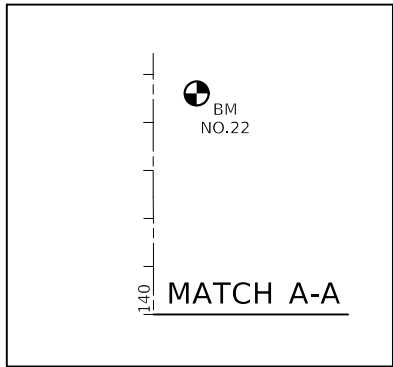
USER NAME = ssundaresan	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 12/3/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

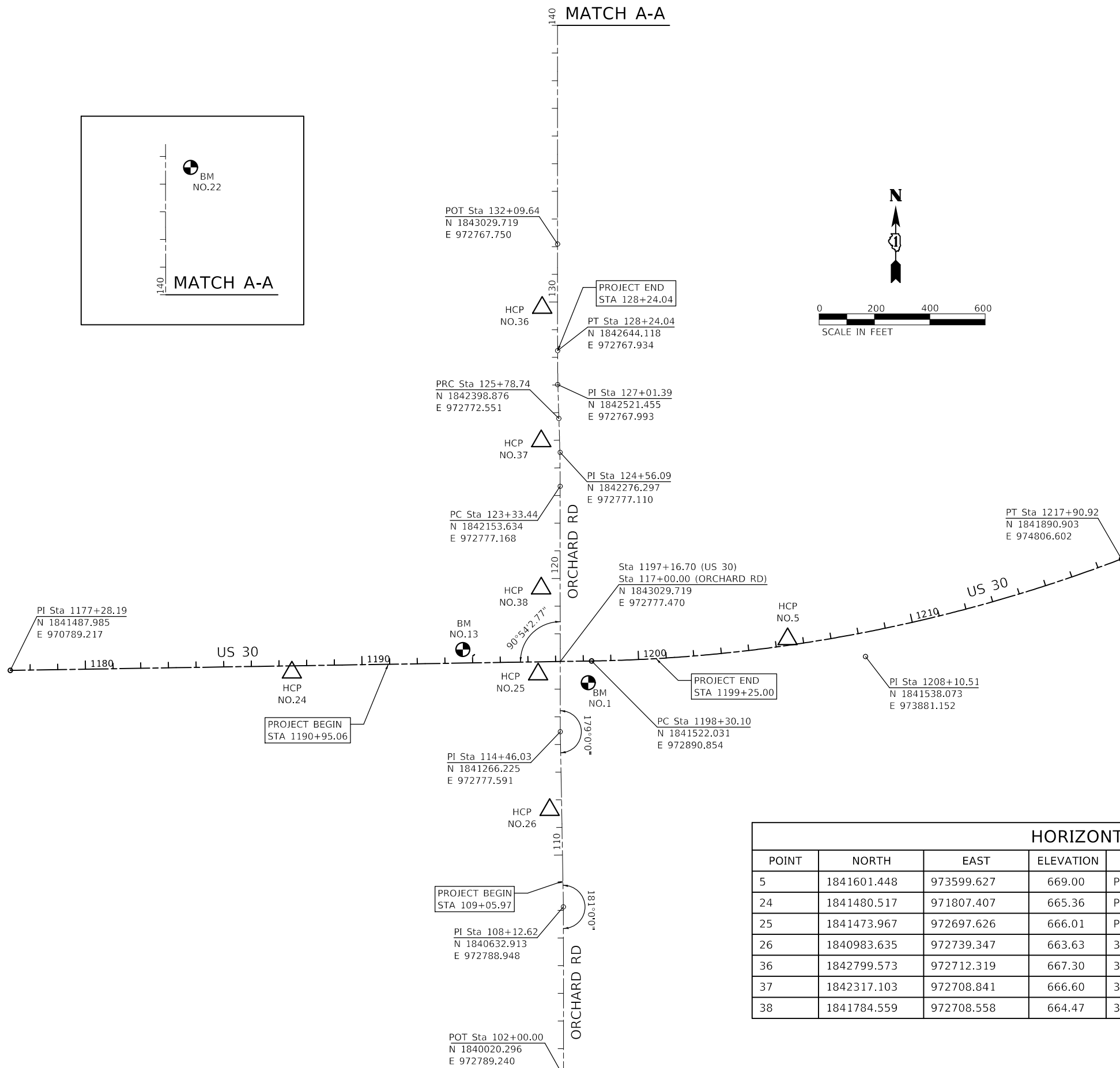
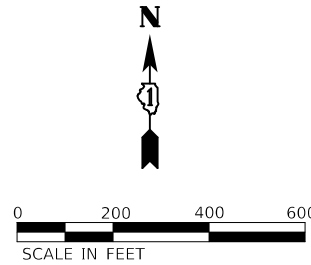
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	28
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**CURVE DATA**

PROP. US 30 ALIGNMENT	EXIST. ORCHARD RD ALIGNMENT	EXIST. CURVE OPTSIXACUR1	EXIST. CURVE OPTSIXACUR2
PROP. CURVE US30CUR1	EXIST. CURVE OPTSIXACUR1	EXIST. CURVE OPTSIXACUR1	EXIST. CURVE OPTSIXACUR2
PI STA. = 1208+20.53	PI STA. = 124+56.10	PI STA. = 127+01.40	PI STA. = 127+01.40
$\Delta = 19^\circ 56' 29''$ (LT)	$\Delta = 2^\circ 06' 09''$ (LT)	$\Delta = 2^\circ 06' 09''$ (RT)	$\Delta = 2^\circ 06' 09''$ (RT)
D = 1° 01' 01"	D = 0° 51' 25"	D = 0° 51' 25"	D = 0° 51' 25"
R = 5,633.85'	R = 6,685.00'	R = 6,685.00'	R = 6,685.00'
T = 990.43'	T = 122.66'	T = 122.66'	T = 122.66'
L = 1,960.82'	L = 245.30'	L = 245.30'	L = 245.30'
E = 86.40'	E = 1.13'	E = 1.13'	E = 1.13'
P.C. STA. = 1198+30.10	P.C. STA. = 123+33.44	P.C. STA. = 125+78.74	P.C. STA. = 125+78.74
P.T. STA. = 1217+90.92	P.T. STA. = 125+78.74	P.T. STA. = 128+24.04	P.T. STA. = 128+24.04



**LEGEND**

- = BENCHMARK (BM) LOCATION
- = HORIZONTAL CONTROL POINT (HCP) LOCATION

HORIZONTAL CONTROL POINTS (NAD 83)							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
5	1841601.448	973599.627	669.00	PRUS30	1205+44.87	22.83' LT	MAG NAIL IN HMA SHOULDER
24	1841480.517	971807.407	665.36	PRUS30	1187+46.12	23.96' RT	SET IRON ROD
25	1841473.967	972697.626	666.01	PRUS30	1196+36.12	44.93' RT	SET IRON ROD
26	1840983.635	972739.347	663.63	3824.03ORCH	111+64.17	43.30' LT	SET IRON ROD
36	1842799.573	972712.319	667.30	3824.03ORCH	129+79.52	55.54' LT	MAG NAIL IN HMA PATH
37	1842317.103	972708.841	666.60	3824.03ORCH	124+98.59	66.23' LT	MAG NAIL IN HMA PATH
38	1841784.559	972708.558	664.47	3824.03ORCH	119+64.40	68.79' LT	MAG NAIL IN HMA PATH

MODEL: D:\p1\180287\_OrchardRoadatRoute30.cad\Civil3D\Drawings\180287-ATR-01.dwg  
 FILE NAME: 20230118180287\_OrchardRoadatRoute30.cad\Civil3D\Drawings\180287-ATR-01.dwg

**WBK ENGINEERING**  
 WBK ENGINEERING, LLC  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

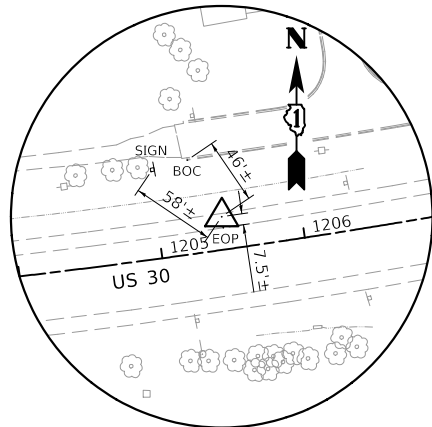
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:400	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

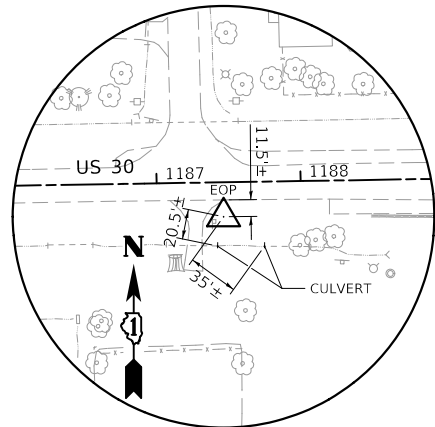
**ALIGNMENT, TIES & BENCHMARKS  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 200' SHEET 1 OF 2 SHEETS STA. TO STA.

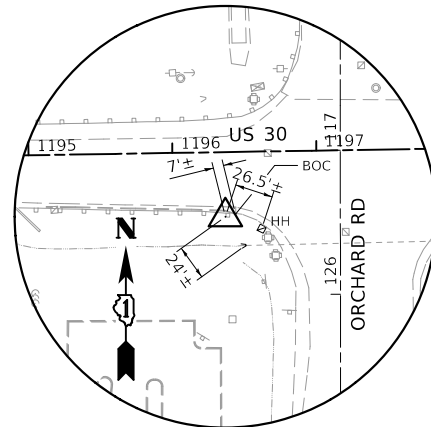
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	29
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



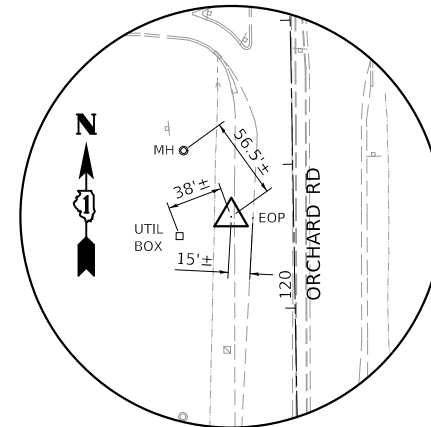
HORIZONTAL CONTROL POINT NO. 5  
(SEE SHEET 29 FOR NORTHING & EASTING)



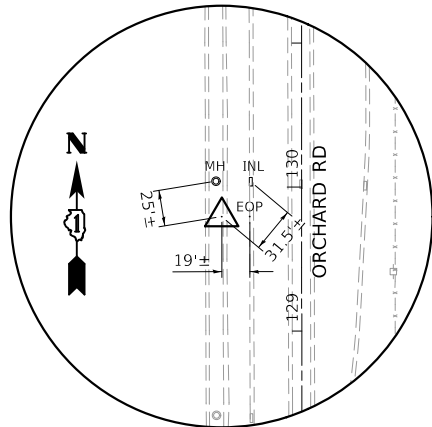
HORIZONTAL CONTROL POINT NO. 24  
(SEE SHEET \$ATB01 FOR NORTHING & EASTING)



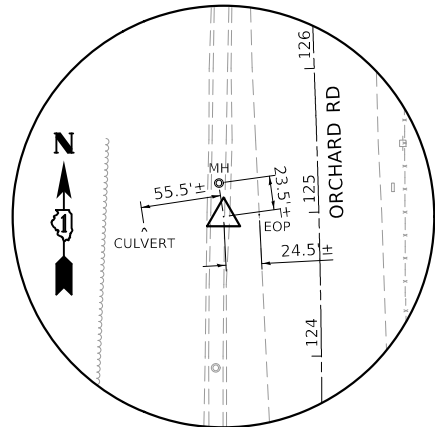
HORIZONTAL CONTROL POINT NO. 25  
(SEE SHEET 29 FOR NORTHING & EASTING)



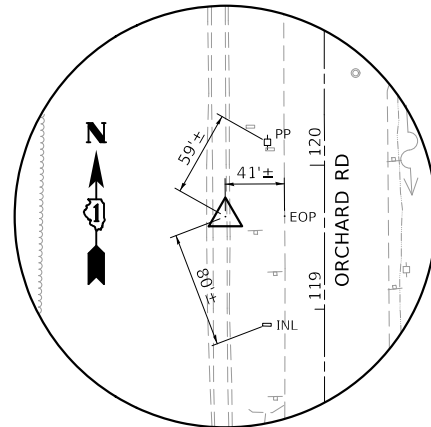
HORIZONTAL CONTROL POINT NO. 26  
(SEE SHEET 29 FOR NORTHING & EASTING)



HORIZONTAL CONTROL POINT NO. 36  
(SEE SHEET 29 FOR NORTHING & EASTING)



HORIZONTAL CONTROL POINT NO. 37  
(SEE SHEET 29 FOR NORTHING & EASTING)



HORIZONTAL CONTROL POINT NO. 38  
(SEE SHEET 29 FOR NORTHING & EASTING)

BENCHMARK ( BASED ON NAVD 88 DATUM)

BENCHMARK NO. 13  
ELEV. 667.07

CHISELED SQUARE ON NORTHWEST CORNER OF BRIDGE OVER BLACKBERRY CREEK, WEST OF US 30/ORCHARD INTERSECT

BENCHMARK NO. 1  
ELEV. 667.28

CHISELED SQUARE ON TRAFFIC SIGNAL BASE, SOUTHEAST QUAD OF US 30/ORCHARD INTERSECT

BENCHMARK NO. 22  
ELEV. 664.22

CHISELED SQUARE ON TRAFFIC SIGNAL BASE, NORTHWEST QUAD OF ORCHARD/AUCUTT INTERSECT

MODEL: D:\p1\180287\_OrchardRoad\atb01.dwg; FILE NAME: 21-03181180287\_OrchardRoad\atb01.dwg

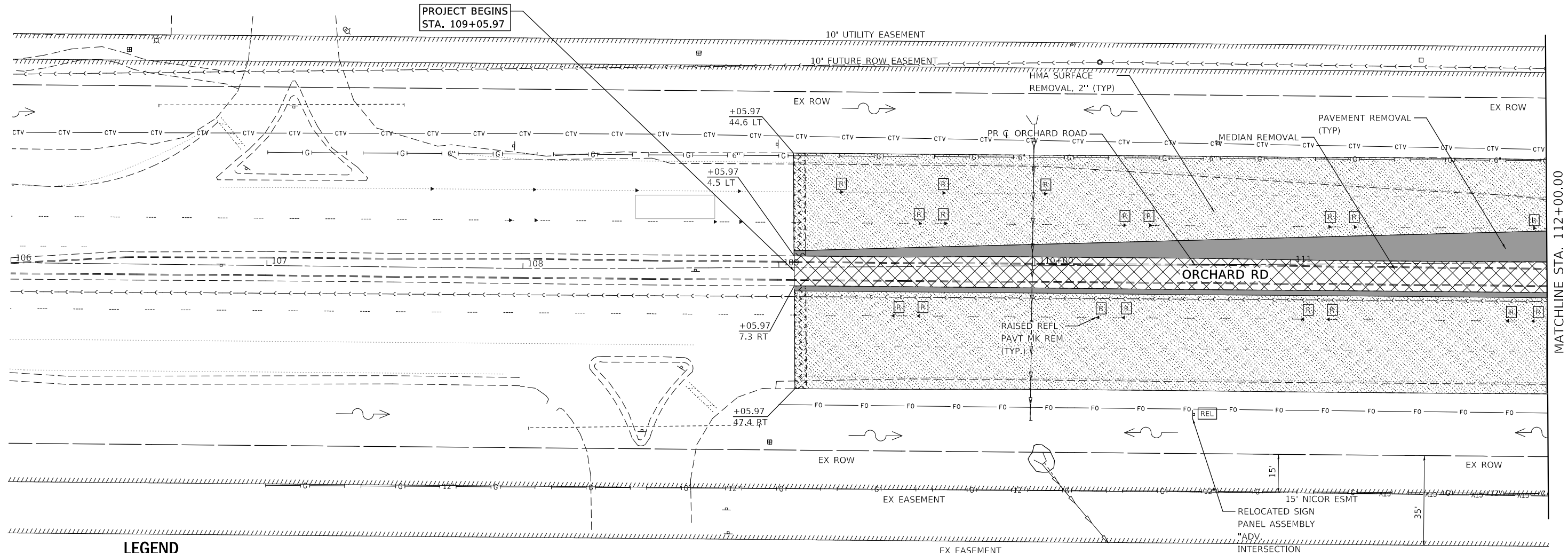
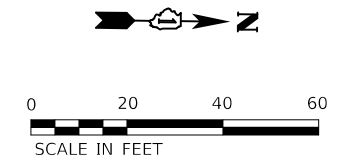
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:400	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

ALIGNMENT, TIES & BENCHMARKS			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	30
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

NOTE

1. SEE TRAFFIC SIGNAL REMOVAL PLANS FOR ADDITIONAL REMOVAL ITEMS
2. SEE PAVEMENT MARKING & SIGNING PLAN FOR FINAL LOCATION OR OF RELOCATED SIGNS & SIGN PANEL ASSEMBLIES.
3. AREA OF MEDIAN REMOVAL SHALL BE REPLACED WITH TEMPORARY PAVEMENT (STA. 109+05.96 TO 113+86)
4. THE COST OF REMOVAL AND DISPOSAL OF EX. POLYETHYLENE BOLLARD ASSEMBLIES AFFIXED TO PAVEMENT INCLUDED IN THE COST OF THE PAVEMENT REMOVAL
5. REMOVAL OF STORM SEWER FLARED END SECTIONS TO BE PAID FOR AS PER FOOT OF DIA OF STORM SEWER REMOVAL.
6. MEDIAN REMOVAL SHALL BE INCLUDE THE COST OF EX. CONC MEDIAN SURFACE & THE ADJ. EX. COMB. C&G



**LEGEND**

- |  |                                    |  |  |
|--|------------------------------------|--|--|
|  | HOT-MIX ASPHALT SURFACE REMOVAL 2" |  | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT |
|  | PAVEMENT REMOVAL                   |  | SIDEWALK REMOVAL                             |
|  | PAVED SHOULDER REMOVAL             |  | UTILITY REMOVAL OR ADJUSTMENT                |
|  | MEDIAN REMOVAL                     |  | REMOVE RAISED REFLECTIVE MARKER COMPLETE     |
|  | LINEAR ITEM REMOVAL (AS SPECIFIED) |  | ITEM TO BE RELOCATED (AS SPECIFIED)          |
|  | DRIVEWAY REMOVAL                   |  | REMOVE SIGN PANEL ASSEMBLY                   |

MODEL: D:\p\1711180287\_OrchardRoad\180287-REM.dwg FILE NAME: 20230118180287\_OrchardRoad\180287-REM.dwg

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

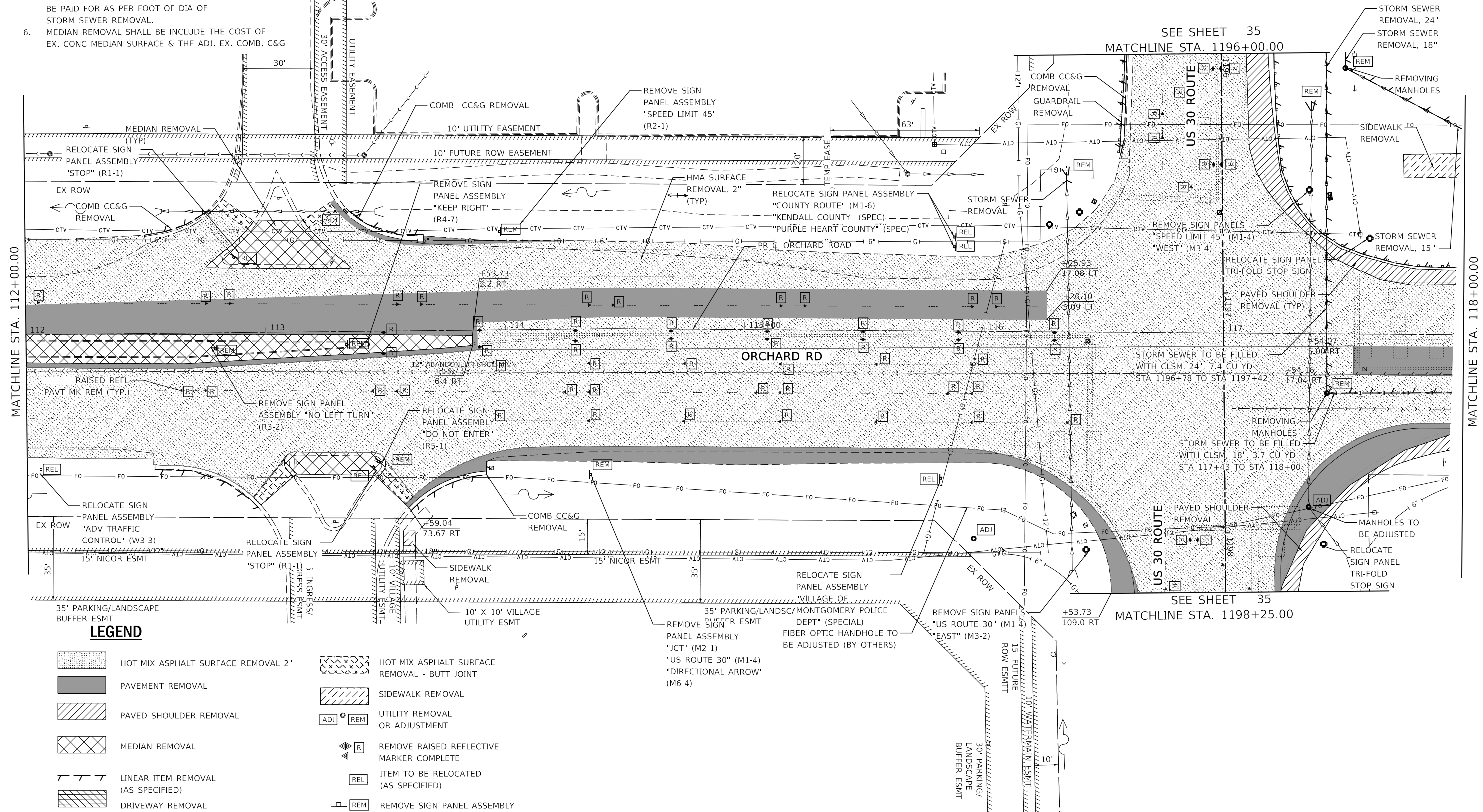
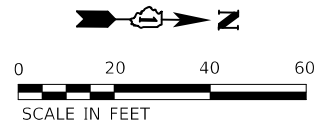
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 20' SHEET 1 OF 5 SHEETS STA. 106+00.00 TO STA. 112+00.00

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 31
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

NOTES:

1. SEE TRAFFIC SIGNAL REMOVAL PLANS FOR ADDITIONAL REMOVAL ITEMS
2. SEE PAVEMENT MARKING & SIGNING PLAN FOR FINAL LOCATION OF RELOCATED SIGNS & SIGN PANEL ASSEMBLIES.
3. AREA OF MEDIAN REMOVAL SHALL BE REPLACED WITH TEMPORARY PAVEMENT (STA. 109+05.96 TO 113+86)
4. THE COST OF REMOVAL AND DISPOSAL OF EX. POLYETHYLENE BOLLARD ASSEMBLIES AFFIXED TO PAVEMENT INCLUDED IN THE COST OF THE PAVEMENT REMOVAL
5. REMOVAL OF STORM SEWER FLARED END SECTIONS TO BE PAID FOR AS PER FOOT OF DIA OF STORM SEWER REMOVAL.
6. MEDIAN REMOVAL SHALL BE INCLUDE THE COST OF EX. CONC MEDIAN SURFACE & THE ADJ. EX. COMB. C&G



**LEGEND**

- |  |                                    |  |  |
|--|------------------------------------|--|--|
|  | HOT-MIX ASPHALT SURFACE REMOVAL 2" |  | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT |
|  | PAVEMENT REMOVAL                   |  | SIDEWALK REMOVAL                             |
|  | PAVED SHOULDER REMOVAL             |  | UTILITY REMOVAL OR ADJUSTMENT                |
|  | MEDIAN REMOVAL                     |  | REMOVE RAISED REFLECTIVE MARKER COMPLETE     |
|  | LINEAR ITEM REMOVAL (AS SPECIFIED) |  | ITEM TO BE RELOCATED (AS SPECIFIED)          |
|  | DRIVEWAY REMOVAL                   |  | REMOVE SIGN PANEL ASSEMBLY                   |

MODEL: D:\m\1180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1180287-REM-02\_Orchard.dgn  
 FILE NAME: 21-03-01-1180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1180287-REM-02\_Orchard.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

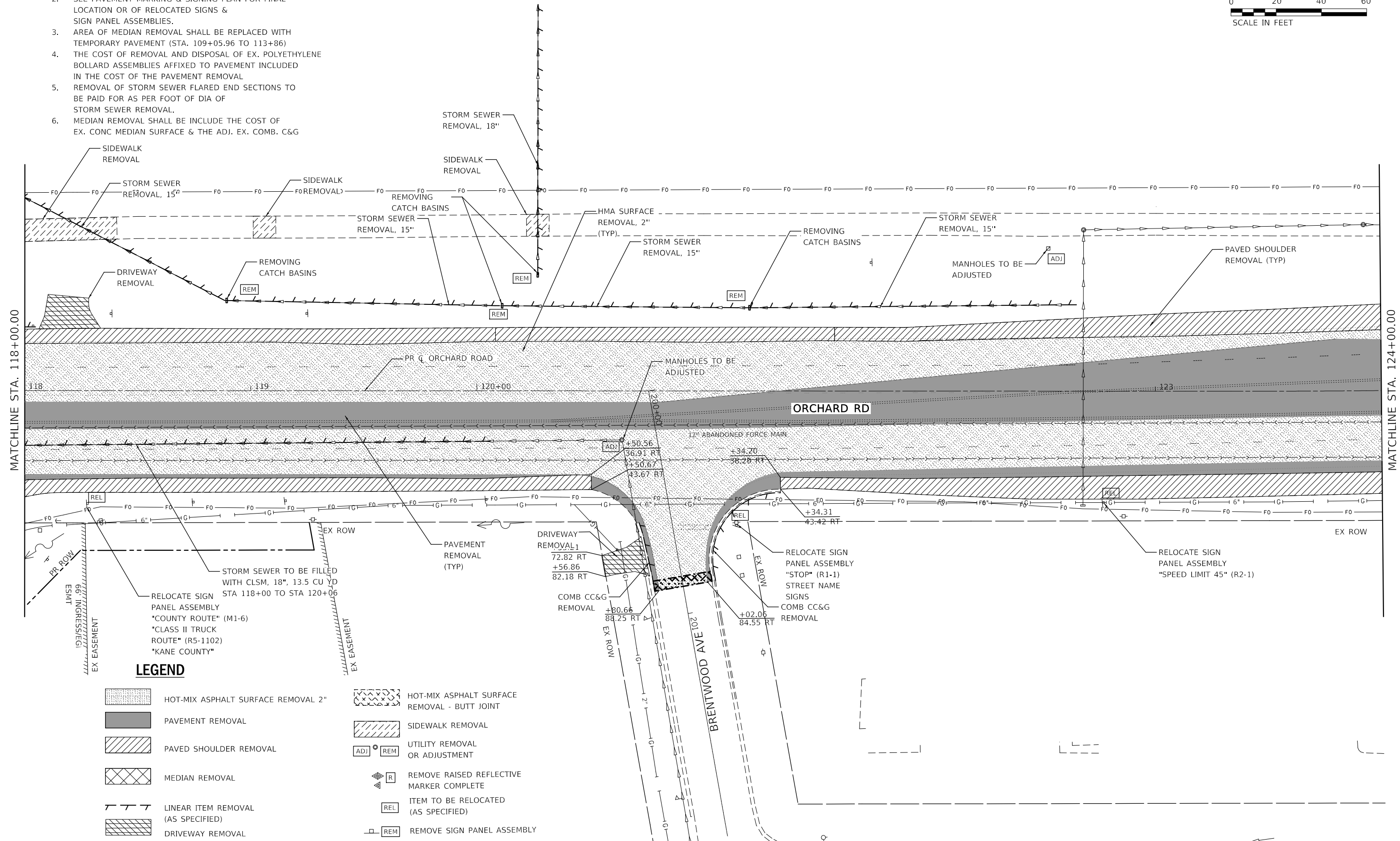
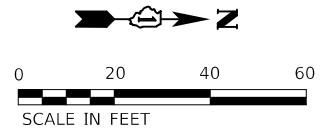
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 20'    SHEET 2 OF 5 SHEETS    STA. 112+00.00 TO STA. 118+00.00

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 32
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

NOTE

1. SEE TRAFFIC SIGNAL REMOVAL PLANS FOR ADDITIONAL REMOVAL ITEMS
2. SEE PAVEMENT MARKING & SIGNING PLAN FOR FINAL LOCATION OR OF RELOCATED SIGNS & SIGN PANEL ASSEMBLIES.
3. AREA OF MEDIAN REMOVAL SHALL BE REPLACED WITH TEMPORARY PAVEMENT (STA. 109+05.96 TO 113+86)
4. THE COST OF REMOVAL AND DISPOSAL OF EX. POLYETHYLENE BOLLARD ASSEMBLIES AFFIXED TO PAVEMENT INCLUDED IN THE COST OF THE PAVEMENT REMOVAL
5. REMOVAL OF STORM SEWER FLARED END SECTIONS TO BE PAID FOR AS PER FOOT OF DIA OF STORM SEWER REMOVAL.
6. MEDIAN REMOVAL SHALL BE INCLUDE THE COST OF EX. CONC MEDIAN SURFACE & THE ADJ. EX. COMB. C&G



**LEGEND**

- |  |                                    |  |  |
|--|------------------------------------|--|--|
|  | HOT-MIX ASPHALT SURFACE REMOVAL 2" |  | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT |
|  | PAVEMENT REMOVAL                   |  | SIDEWALK REMOVAL                             |
|  | PAVED SHOULDER REMOVAL             |  | UTILITY REMOVAL OR ADJUSTMENT                |
|  | MEDIAN REMOVAL                     |  | REMOVE RAISED REFLECTIVE MARKER COMPLETE     |
|  | LINEAR ITEM REMOVAL (AS SPECIFIED) |  | ITEM TO BE RELOCATED (AS SPECIFIED)          |
|  | DRIVEWAY REMOVAL                   |  | REMOVE SIGN PANEL ASSEMBLY                   |

MODEL: D:\p\11180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1180287-REM-03\_Orchard.dgn  
 FILE NAME: 23\_11180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1180287-REM-03\_Orchard.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awueller	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

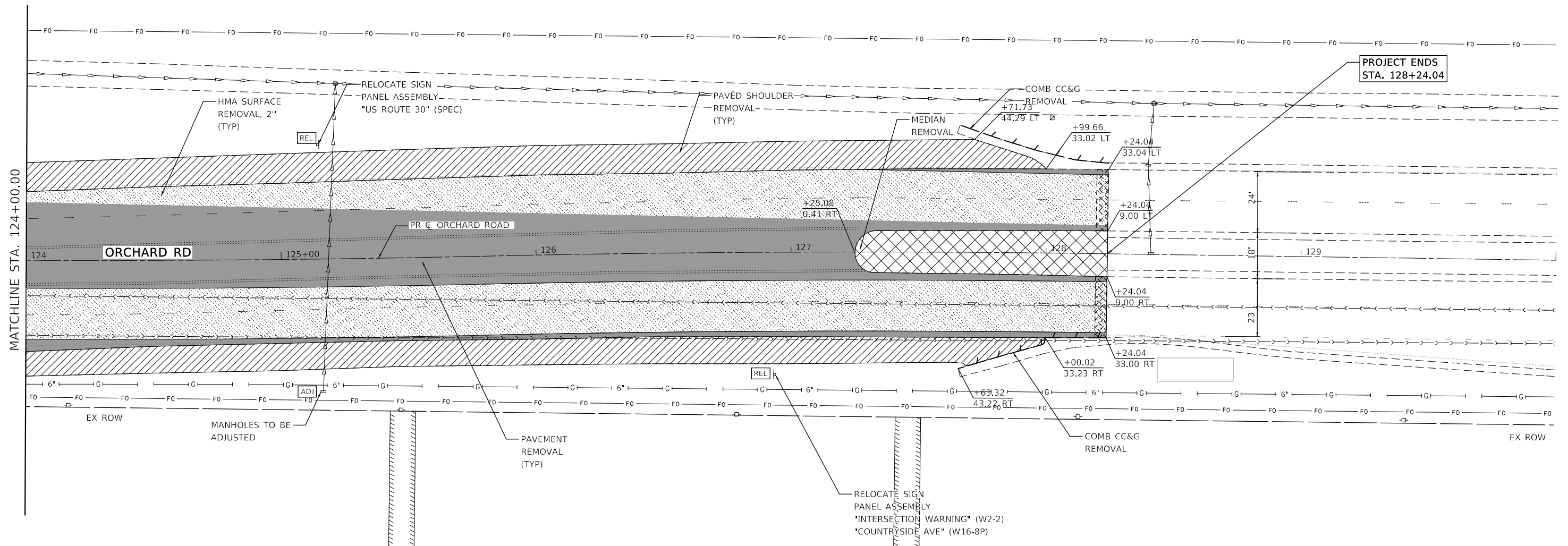
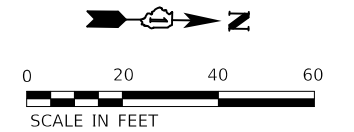
**REMOVAL PLAN**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 20'    SHEET 3 OF 5 SHEETS    STA. 118+00.00 TO STA. 124+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	33
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351746				

NOTE

1. SEE TRAFFIC SIGNAL REMOVAL PLANS FOR ADDITIONAL REMOVAL ITEMS
2. SEE PAVEMENT MARKING & SIGNING PLAN FOR FINAL LOCATION OR OF RELOCATED SIGNS & SIGN PANEL ASSEMBLIES.
3. AREA OF MEDIAN REMOVAL SHALL BE REPLACED WITH TEMPORARY PAVEMENT (STA. 109+05.96 TO 113+86)
4. THE COST OF REMOVAL AND DISPOSAL OF EX. POLYETHYLENE BOLLARD ASSEMBLIES AFFIXED TO PAVEMENT INCLUDED IN THE COST OF THE PAVEMENT REMOVAL
5. REMOVAL OF STORM SEWER FLARED END SECTIONS TO BE PAID FOR AS PER FOOT OF DIA OF STORM SEWER REMOVAL.
6. MEDIAN REMOVAL SHALL BE INCLUDE THE COST OF EX. CONC MEDIAN SURFACE & THE ADJ. EX. COMB. C&G

EX ROW



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL 2"
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- MEDIAN REMOVAL
- LINEAR ITEM REMOVAL (AS SPECIFIED)
- DRIVEWAY REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- SIDEWALK REMOVAL
- UTILITY REMOVAL OR ADJUSTMENT
- REMOVE RAISED REFLECTIVE MARKER COMPLETE
- ITEM TO BE RELOCATED (AS SPECIFIED)
- REMOVE SIGN PANEL ASSEMBLY

MODEL: D:\p1\180287\_OrchardRoad\180287-REM-04\_Orchard.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

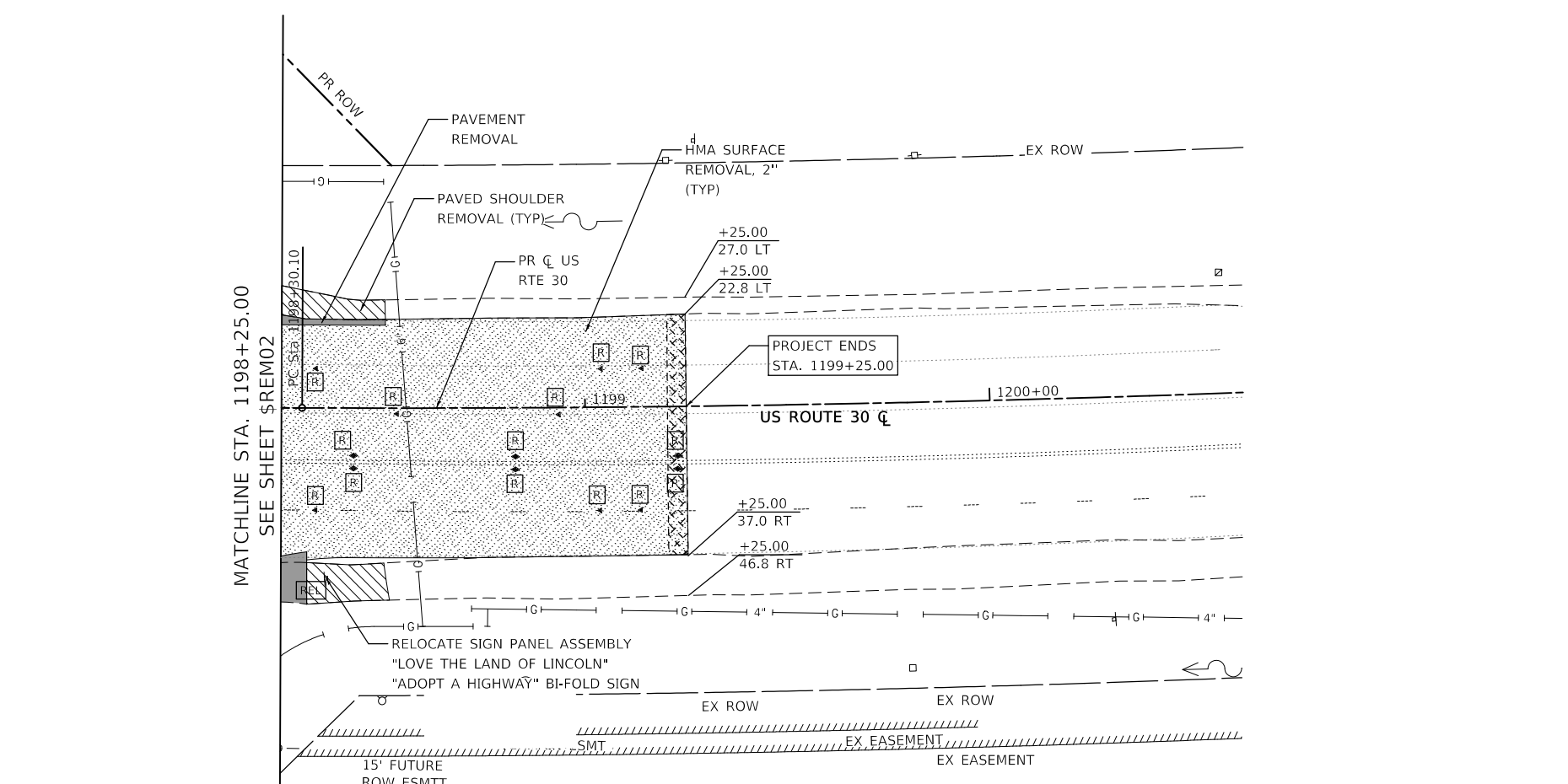
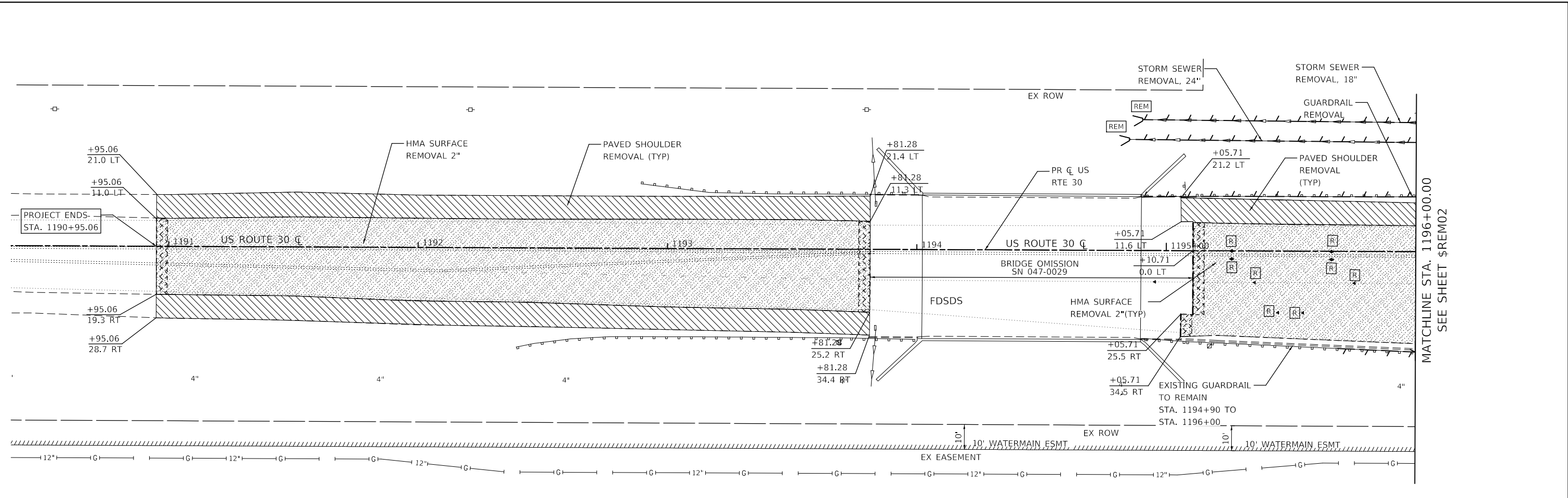
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 20' SHEET 4 OF 5 SHEETS STA. 124+00.00 TO STA. 130+00.00

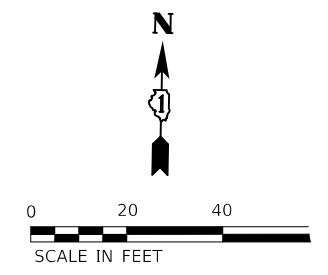
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	34
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				





**NOTE**

1. SEE TRAFFIC SIGNAL REMOVAL PLANS FOR ADDITIONAL REMOVAL ITEMS
2. SEE PAVEMENT MARKING & SIGNING PLAN FOR FINAL LOCATION OR OF RELOCATED SIGNS & SIGN PANEL ASSEMBLIES.
3. AREA OF MEDIAN REMOVAL SHALL BE REPLACED WITH TEMPORARY PAVEMENT (STA. 109+05.96 TO 113+86)
4. THE COST OF REMOVAL AND DISPOSAL OF EX. POLYETHYLENE BOLLARD ASSEMBLIES AFFIXED TO PAVEMENT INCLUDED IN THE COST OF THE PAVEMENT REMOVAL
5. REMOVAL OF STORM SEWER FLARED END SECTIONS TO BE PAID FOR AS PER FOOT OF DIA OF STORM SEWER REMOVAL.
6. MEDIAN REMOVAL SHALL BE INCLUDE THE COST OF EX. CONC MEDIAN SURFACE & THE ADJ. EX. COMB. C&G



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL 2"
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- MEDIAN REMOVAL
- LINEAR ITEM REMOVAL (AS SPECIFIED)
- DRIVEWAY REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- UTILITY REMOVAL OR ADJUSTMENT
- REMOVE RAISED REFLECTIVE MAKER COMPLETE
- ITEM TO BE RELOCATED (AS SPECIFIED)
- SIGN REMOVAL

MODEL: D:\6149\17-00488-00-CH\Drawings\Removal\17-00488-00-CH-REM-05\_US30.dgn  
 FILE NAME: 2023011810287\_OrchardRoadatRoute30.dwg  
 USER: awueller

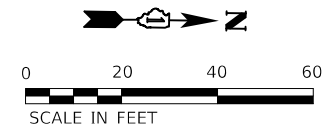
**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awueller	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - VLM	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

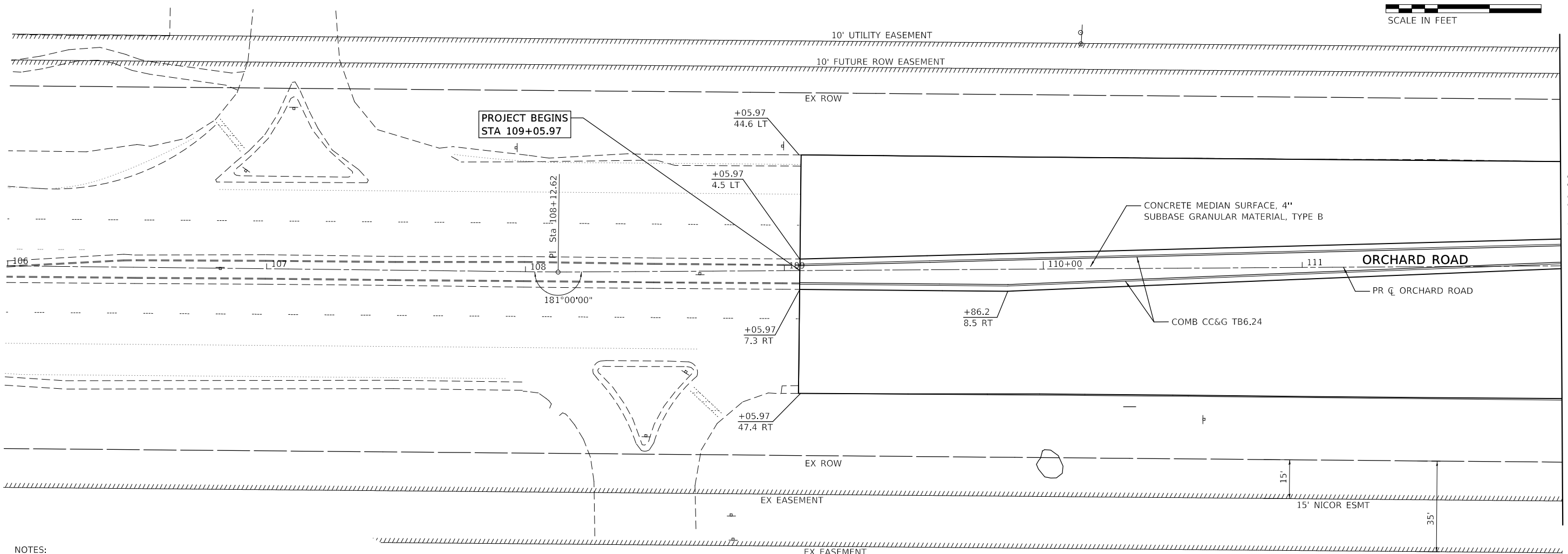
**REMOVAL PLAN**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 20'    SHEET 5 OF 5 SHEETS    STA. 1190+50.00 TO STA. 1200+50.00

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 35
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

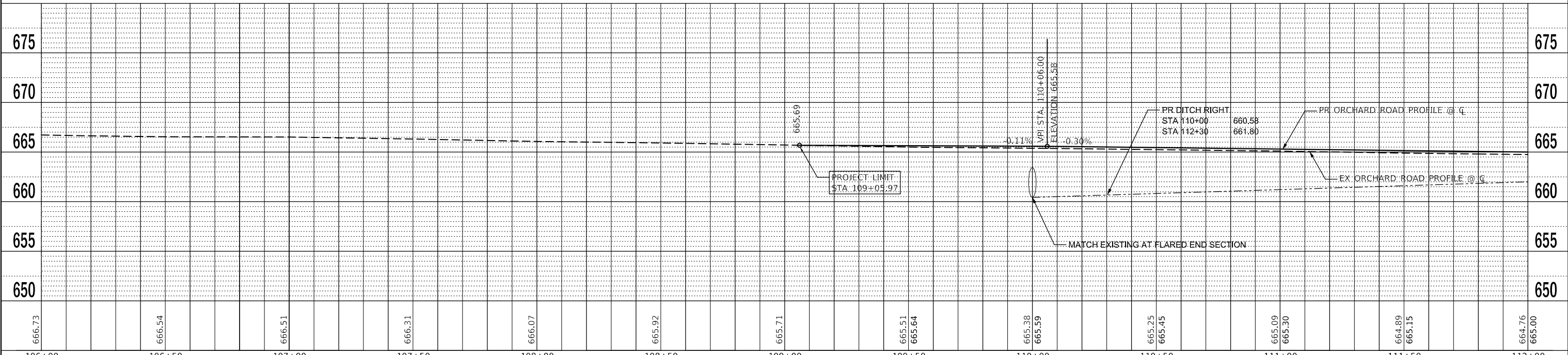


PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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



- NOTES:  
 1. STATIONS AND OFFSETS FROM CL ORCHARD ROAD OR CL US RTE 30  
 2. SEE TYPICAL SECTIONS FOR ROADWAY PAVEMENT DETAILS.  
 3. SEE SHEET 20 FOR HMA MIXTURE REQUIREMENT NOTES



666.73	666.54	666.51	666.31	666.07	665.92	665.71	665.51	665.64	665.38	665.59	665.25	665.45	665.09	665.30	664.89	665.15	664.76	665.00
106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00	111+50	112+00						

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

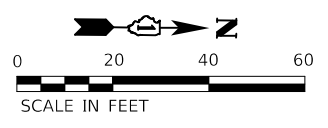
USER NAME = awuellner	DESIGNED - KAC	REVISED -10/11/2021
PLOT SCALE = 1:40	DRAWN - VLM	REVISED -10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED -10/27/2021
	DATE - 10/04/2021	REVISED -11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

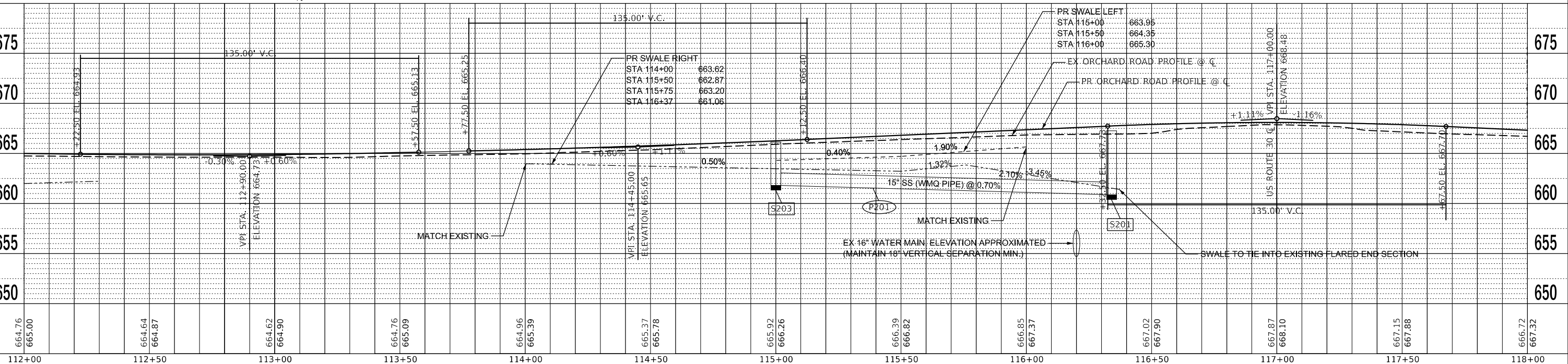
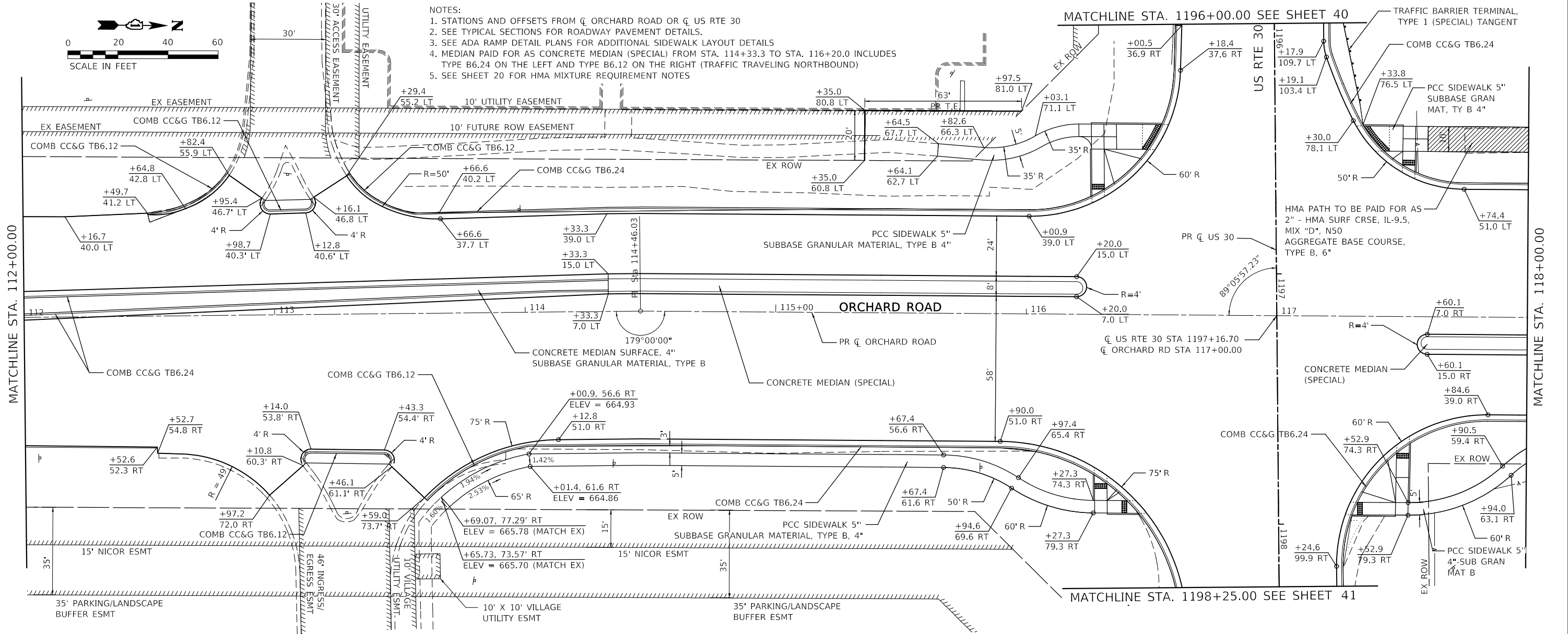
**ROADWAY PLAN & PROFILES**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 20'    SHEET 1 OF 6 SHEETS    STA. 106+00.00 TO STA. 112+00.00

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 36
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 93511746	



- NOTES:
1. STATIONS AND OFFSETS FROM C ORCHARD ROAD OR C US RTE 30
  2. SEE TYPICAL SECTIONS FOR ROADWAY PAVEMENT DETAILS.
  3. SEE ADA RAMP DETAIL PLANS FOR ADDITIONAL SIDEWALK LAYOUT DETAILS
  4. MEDIAN PAID FOR AS CONCRETE MEDIAN (SPECIAL) FROM STA. 114+33.3 TO STA. 116+20.0 INCLUDES TYPE B6.24 ON THE LEFT AND TYPE B6.12 ON THE RIGHT (TRAFFIC TRAVELING NORTHBOUND)
  5. SEE SHEET 20 FOR HMA MIXTURE REQUIREMENT NOTES



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CHECKED	
	DATE	

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

MODEL: Default  
 FILE NAME: Z:\2021\118180287-OrchardRoadatRoute30.dwg  
 USER: awueller

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awueller	DESIGNED - CL	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - AKW	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN & PROFILES**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 20'    SHEET 2 OF 6 SHEETS    STA. 112+00.00 TO STA. 118+00.00

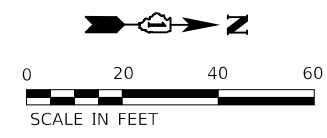
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	37
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 9351(746)	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

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

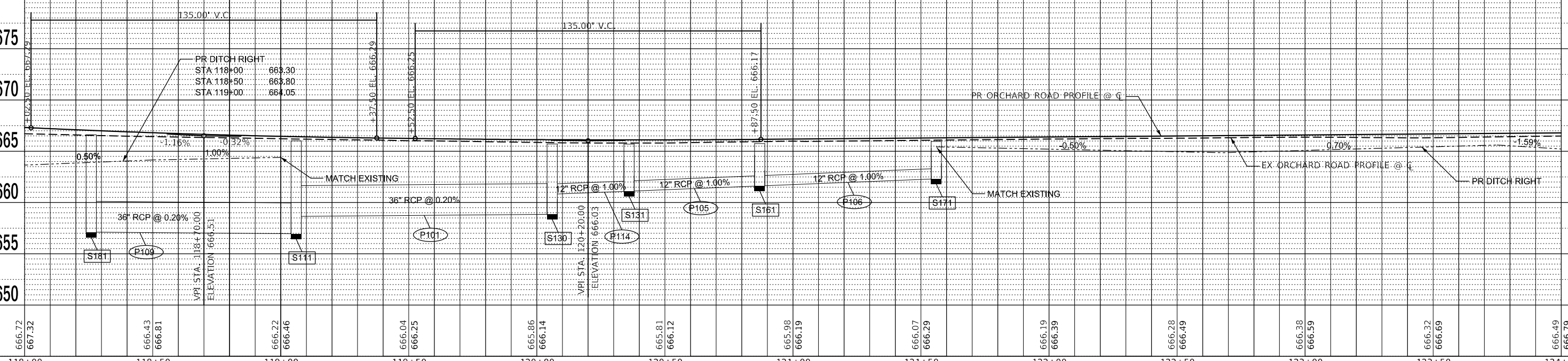
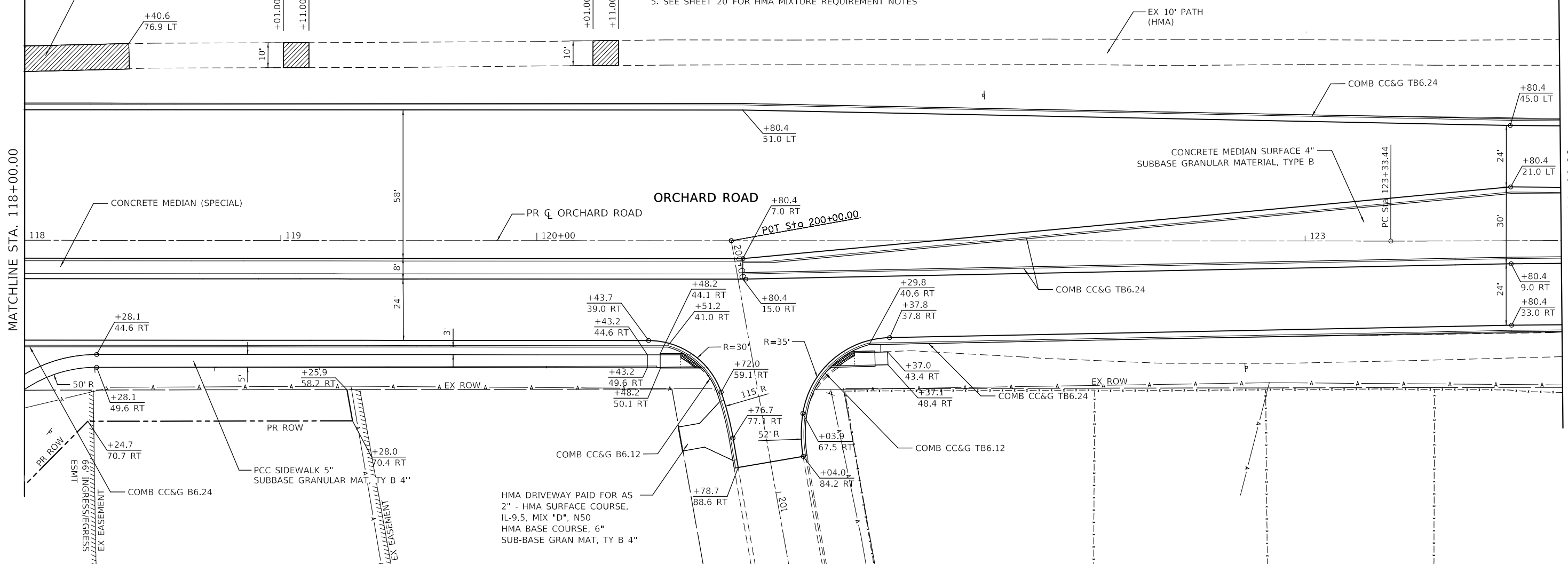
MODEL: Defaillt  
 FILE NAME: Z:\2021\11818287\_OrchardRoadProfile30.cad\Chil\Drawn\11818287-Profile30.dwg

- NOTES:
1. STATIONS AND OFFSETS FROM C ORCHARD ROAD OR C US RTE 30
  2. SEE TYPICAL SECTIONS FOR ROADWAY PAVEMENT DETAILS.
  3. SEE ADA RAMP DETAIL PLANS FOR ADDITIONAL SIDEWALK LAYOUT DETAILS
  4. MEDIAN PAID FOR AS CONCRETE MEDIAN (SPECIAL) FROM STA. 114+33.3 TO STA. 116+20.0 INCLUDES TYPE B6.24 ON THE LEFT AND TYPE B6.12 ON THE RIGHT (TRAFFIC TRAVELING NORTHBOUND)
  5. SEE SHEET 20 FOR HMA MIXTURE REQUIREMENT NOTES



MATCHLINE STA. 118+00.00

MATCHLINE STA. 124+00.00



118+00	118+50	119+00	119+50	120+00	120+50	121+00	121+50	122+00	122+50	123+00	123+50	124+00													
666.72	667.32	666.43	666.81	666.22	666.46	666.04	666.25	665.86	666.14	665.81	666.12	665.98	666.19	666.07	666.29	666.19	666.39	666.28	666.49	666.38	666.59	666.32	666.69	666.49	666.79

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME	= auellner
PLOT SCALE	= 1:40
PLOT DATE	= 11/17/2021

DESIGNED	- KAC	REVISED	-10/11/2021
DRAWN	- VLM	REVISED	-10/18/2021
CHECKED	- YOO	REVISED	-10/27/2021
DATE	- 10/04/2021	REVISED	-11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

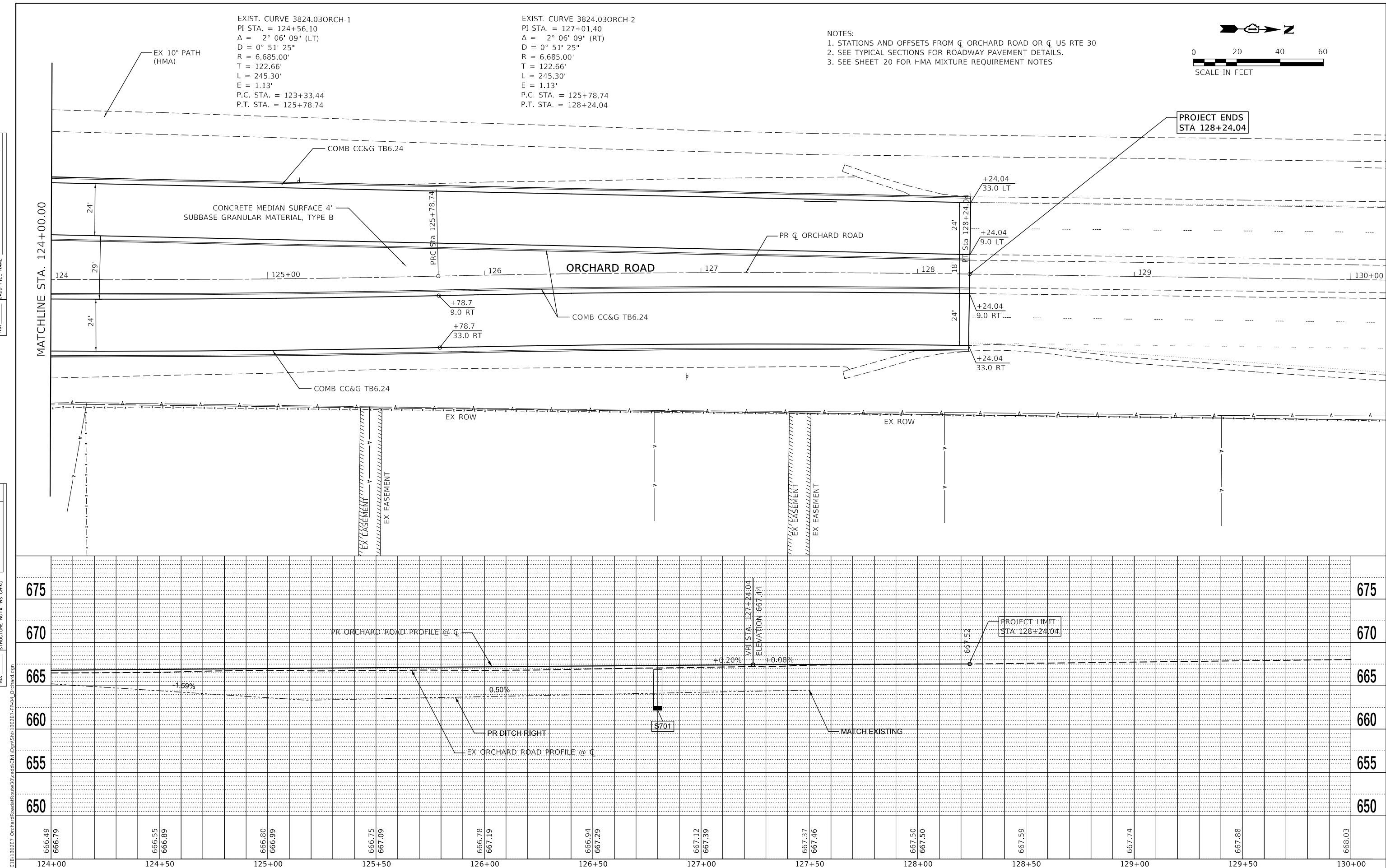
**ROADWAY PLAN & PROFILES  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 20'    SHEET 3 OF 6 SHEETS    STA. 118+00.00 TO STA. 124+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	38
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 93511746	

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

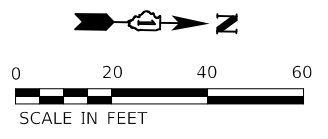
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	NOTE BOOK	
	NO. _____	
	STRUCTURE	
	NOTATIONS CHECKED	
	NO. _____	



EXIST. CURVE 3824.03ORCH-1  
 PI STA. = 124+56.10  
 $\Delta = 2^\circ 06' 09''$  (LT)  
 $D = 0^\circ 51' 25''$   
 $R = 6,685.00'$   
 $T = 122.66'$   
 $L = 245.30'$   
 $E = 1.13'$   
 P.C. STA. = 123+33.44  
 P.T. STA. = 125+78.74

EXIST. CURVE 3824.03ORCH-2  
 PI STA. = 127+01.40  
 $\Delta = 2^\circ 06' 09''$  (RT)  
 $D = 0^\circ 51' 25''$   
 $R = 6,685.00'$   
 $T = 122.66'$   
 $L = 245.30'$   
 $E = 1.13'$   
 P.C. STA. = 125+78.74  
 P.T. STA. = 128+24.04

- NOTES:  
 1. STATIONS AND OFFSETS FROM  $\bar{C}$  ORCHARD ROAD OR  $\bar{C}$  US RTE 30  
 2. SEE TYPICAL SECTIONS FOR ROADWAY PAVEMENT DETAILS.  
 3. SEE SHEET 20 FOR HMA MIXTURE REQUIREMENT NOTES



666.49	666.79	666.55	666.89	666.80	666.99	666.75	667.09	666.78	667.19	666.94	667.29	667.12	667.39	667.37	667.46	667.50	667.50	667.59	667.74	667.88	668.03	
124+00	124+50	125+00	125+50	126+00	126+50	127+00	127+50	128+00	128+50	129+00	129+50	130+00										

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
	DRAWN - VLM	REVISED - 10/18/2021
PLOT SCALE = 1:40	CHECKED - YOO	REVISED - 10/27/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED - 11/03/2021

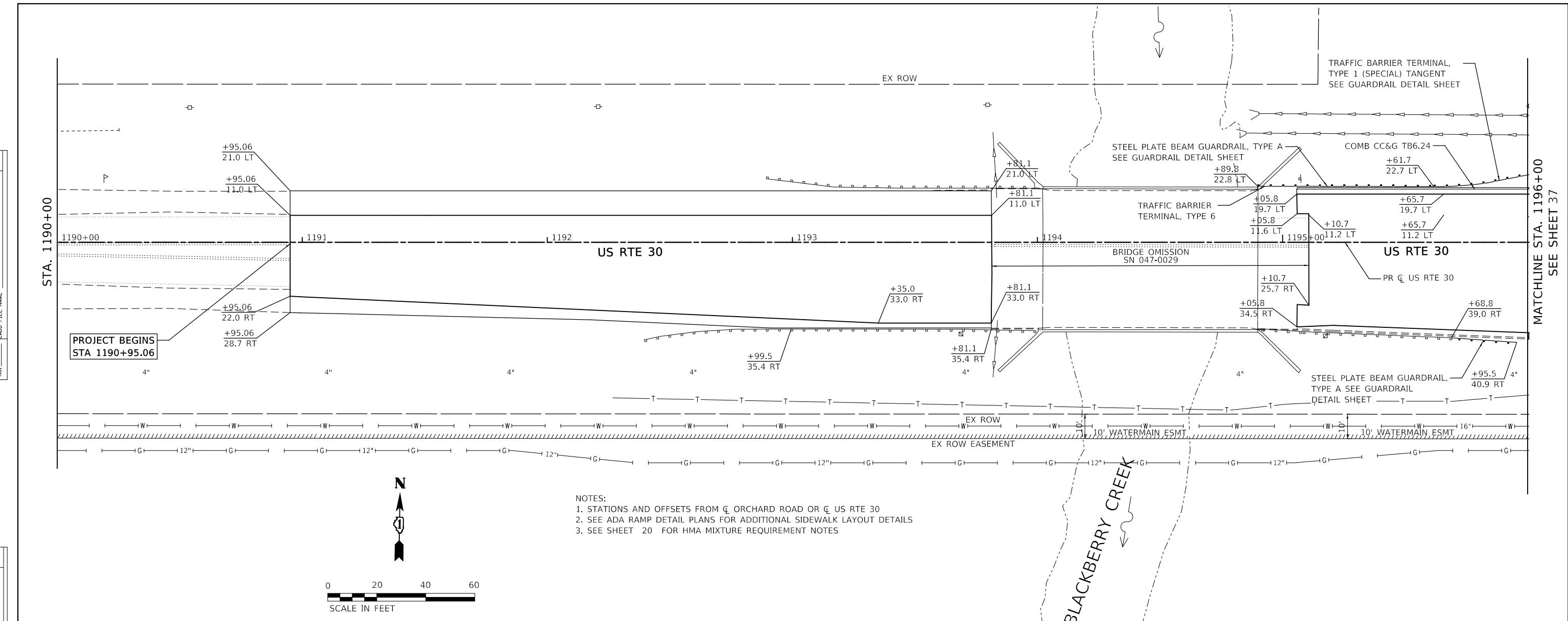
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN & PROFILES**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 20' SHEET 4 OF 6 SHEETS STA. 124+00.00 TO STA. 130+00.00

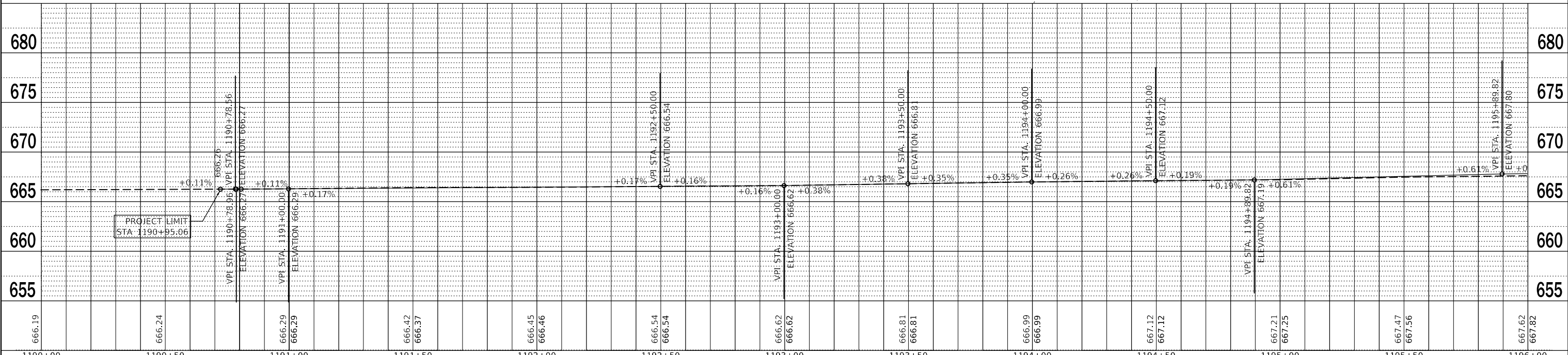
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 39
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



NOTES:  
 1. STATIONS AND OFFSETS FROM CL ORCHARD ROAD OR CL US RTE 30  
 2. SEE ADA RAMP DETAIL PLANS FOR ADDITIONAL SIDEWALK LAYOUT DETAILS  
 3. SEE SHEET 20 FOR HMA MIXTURE REQUIREMENT NOTES



666.19	666.24	666.29	666.37	666.45	666.46	666.54	666.54	666.62	666.62	666.81	666.81	666.99	666.99	667.12	667.12	667.21	667.25	667.47	667.56	667.62	667.82	
1190+00	1190+50	1191+00	1191+50	1192+00	1192+50	1193+00	1193+50	1194+00	1194+50	1195+00	1195+50	1196+00										

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awueller	DESIGNED - KAC	REVISED -10/11/2021
PLOT SCALE = 1:40	DRAWN - VLM	REVISED -10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED -10/27/2021
	DATE - 10/04/2021	REVISED -11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN & PROFILES  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 20' SHEET 5 OF 6 SHEETS STA. 1190+00 TO STA. 1196+00

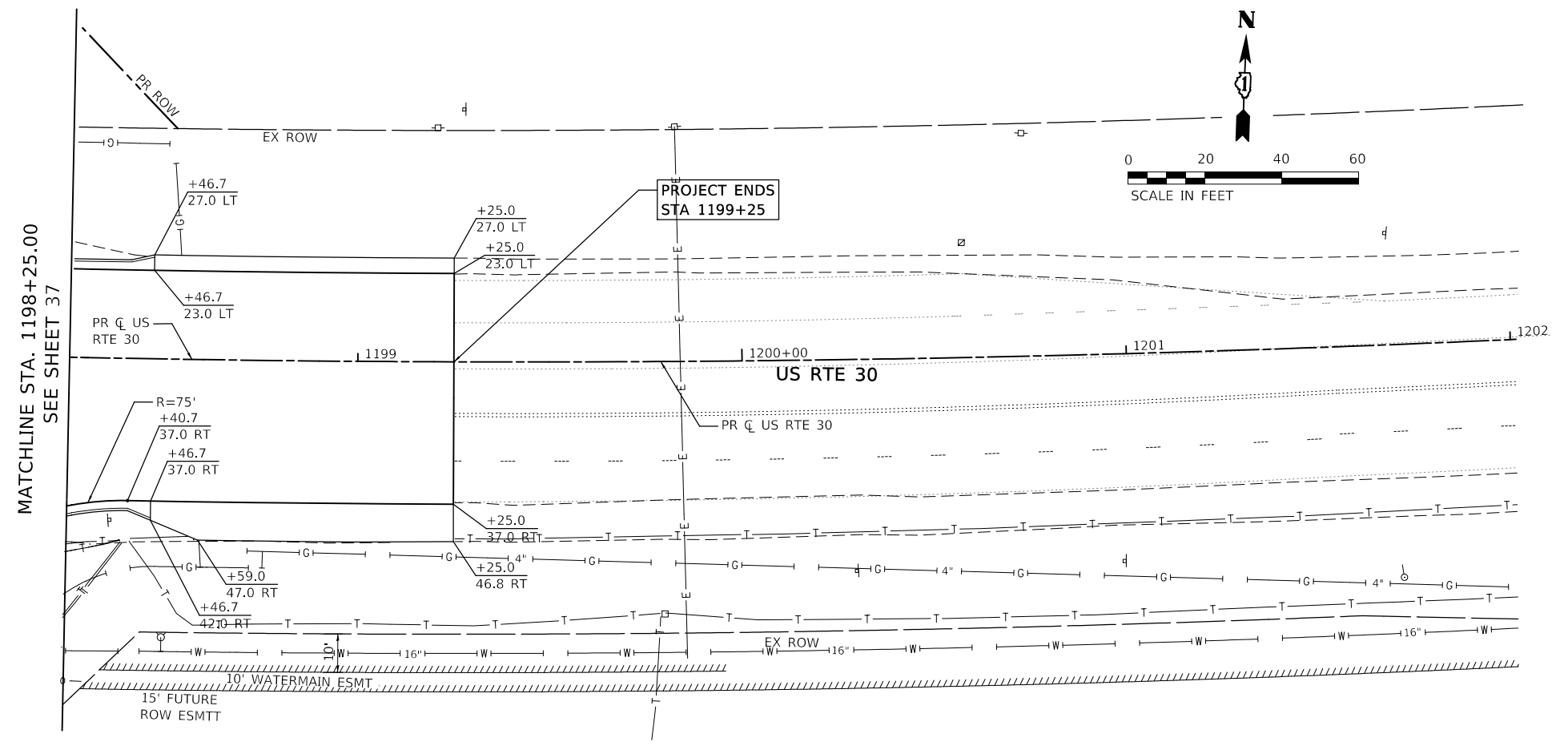
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 40
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				

MODEL: D:\railroad\OrchardRoad\Profile\30\cadd\Drawn\Sheet\180287-rp-05\_US.rvt  
 FILE NAME: Z:\30\180287\_OrchardRoad\Profile\30\cadd\Drawn\Sheet\180287-rp-05\_US.rvt

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

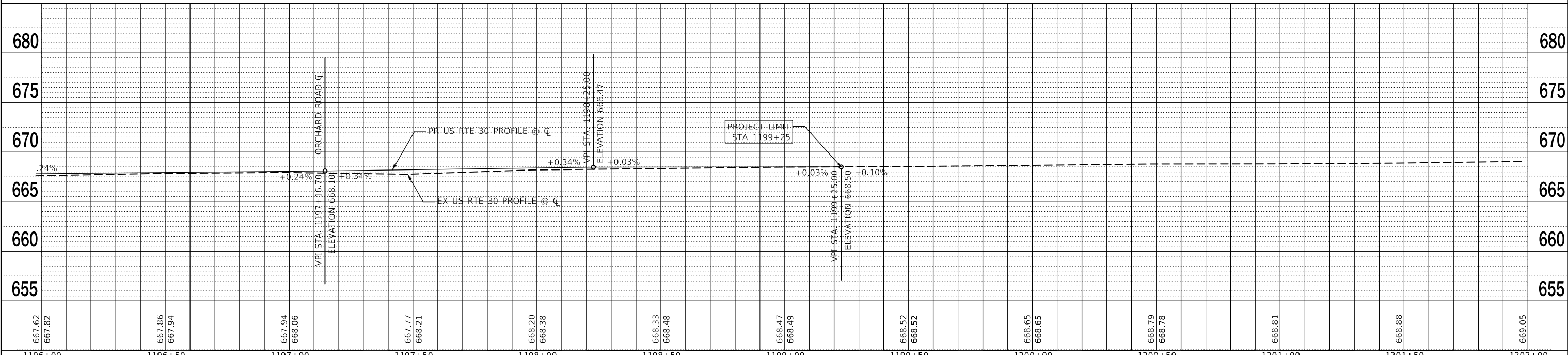
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

MODEL: Default  
 FILE NAME: Z:\2021\11\180287\_OrchardRoadatRoute30.cadd\Chil\Drawn\Sheet\180287-RP-06\_US.Rdw



MATCHLINE STA. 1198+25.00  
 SEE SHEET 37

- NOTES:  
 1. STATIONS AND OFFSETS FROM C ORCHARD ROAD OR C US RTE 30  
 2. SEE ADA RAMP DETAIL PLANS FOR ADDITIONAL SIDEWALK LAYOUT DETAILS



667.62	667.82	667.86	667.94	667.94	668.06	667.77	668.21	668.20	668.38	668.33	668.48	668.47	668.49	668.52	668.52	668.65	668.65	668.79	668.78	668.81	668.88	669.05	
1196+00	1196+50	1197+00	1197+50	1198+00	1198+50	1199+00	1199+50	1200+00	1200+50	1201+00	1201+50	1202+00											

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awueller	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - VLM	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN & PROFILES**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 20' SHEET 6 OF 6 SHEETS STA. 1198+25.00 TO STA. 1202+00.00

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 41
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**SUGGESTED STAGING SEQUENCE**

**MAINTENANCE OF TRAFFIC – GENERAL NOTES**

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. TYPE -A LOW INTENSITY FLASHING WARNING SIGNS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS. ALL WARNING SIGNS SHALL BE PER DISTRICT 1 STANDARD TC-10 WITH A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
3. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
4. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
5. PRIOR TO START OF CONSTRUCTION, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO ANY ANTICIPATED CLOSURES.
7. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED OR SAFELY REMOVED AND STORED (FREE FROM DAMAGE OR THEFT) AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL). EXISTING TRAFFIC SIGNS THAT DO NOT CONFLICT WITH TRAFFIC SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ALL SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF CONSTRUCTION.
8. CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL COMMERCIAL AND RESIDENTIAL ENTRANCES AT ALL TIMES UNLESS OTHERWISE SHOWN ON THE PLANS.
9. IF FULL CLOSURE OF AN ENTRANCE IS REQUIRED, IT MUST BE VIA WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND THE LAND OWNER.
10. COMMERCIAL DRIVEWAYS SHALL BE SIGNED PER DISTRICT 1 STANDARD TC-26. SIDE ROADS, INTERSECTIONS AND DRIVEWAY TRAFFIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-10.
11. SIDEWALK CLOSURES SHALL BE PERFORMED USING STANDARD 701801.
12. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
13. ANY RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
14. ALL TEMPORARY PAVEMENT MARKINGS DURING STAGED CONSTRUCTION SHALL BE PAVEMENT MARKING TAPE, TYPE IV OF THE WIDTH AND COLOR SPECIFIED ON THE PLAN SHEETS. THE CONTRACTOR SHALL WATER BLAST ALL CONFLICTING PAVEMENT MARKINGS.
15. SHORT-TERM DAILY LANE CLOSURES WILL BE REQUIRED FOR INSTALLATION OF TEMPORARY & PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701426
16. THE CONTRACTOR SHALL UTILIZE IDOT HIGHWAY STANDARD 701601 FOR LANE CLOSURES.
17. THE FOLLOWING SHALL APPLY TO CONSTRUCTION SIGNS:
  - A) THE CONTRACTOR SHALL FURNISH ALL SIGNS
  - B) ALL SIGNS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION (SPECIAL) PAY ITEM EXCEPT FOR TEMPORARY INFORMATION SIGNING.

**PRESTAGE:**

1. SET UP PRESTAGE LANE CLOSURES, PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES TRAFFIC CONTROL THROUGH US RTE 30. (SEE PRESTAGE MOT PLANS).
2. WATER BLAST CONFLICTING PAVEMENT MARKINGS.
3. SAWCUT AND REMOVE EXISTING MEDIAN ON ORCHARD ROAD SOUTH OF US 30, FROM STATION 109+05.97 TO STATION 113+86.36, CONSTRUCT TEMPORARY PAVEMENT (PAYITEM: Z0062456 TEMPORARY PAVEMENT)
4. PERFORM STORM WATER EXCAVATION AS REQUIRED IN THE DRAINAGE AND UTILITY PLANS UTILIZING IDOT HIGHWAY STD. 701421 FOR TRAFFIC CONTROL

**STAGE 1A:**

1. SET UP STAGE 1A LANE CLOSURES, PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES TRAFFIC CONTROL THROUGH US RTE 30. (SEE STAGE 1A MOT PLANS).
2. PLACE TEMPORARY CONCRETE BARRIER FROM STA 114+25 TO 116+01, 117+84 TO 120+28 AND 121+32 TO 128+24
3. PLACE TEMPORARY CONCRETE BARRIER AND PIN IT ALONG SOUTH SIDE US 30 FROM STA 1190+95 TO 1196+18
4. REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND INSTALL TEMPORARY MARKINGS AS SHOWN IN THE STAGE 1A PLANS.
5. INSTALL EROSION CONTROL DEVICES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

**ORCHARD ROAD**

4. SAWCUT AND REMOVE EXISTING PAVEMENT AND CURB & GUTTER ON EAST SIDE OF ORCHARD ROAD.
5. CONSTRUCT PROPOSED CURB & GUTTER, SIDEWALK AND COMMERCIAL DRIVEWAY ON BRENTWOOD AVE ALONG EAST SIDE OF ORCHARD ROAD NORTHBOUND.
6. CONSTRUCT ISLAND ON EAST SIDE OF ORCHARD ROAD SB.
7. CONSTRUCT A PORTION OF THE PROPOSED CURB RADIUS AND PAVEMENT WIDENING IN THE SW QUADRANT OF INTERSECTION FROM RADIUS RETURN TO US 30.
8. FINISH GRINDING AND RESURFACING UNTIL 2 1/4" - HOT-MIX ASPHALT BINDER COURSE AS NOTED IN TYPICAL SECTIONS

**US RTE 30**

9. SAWCUT AND REMOVE EXISTING PAVEMENT, SHOULDER, CURB & GUTTER, AND PART OF GUARDRAIL ALONG RADIUS RETURN ON THE SOUTH SIDE OF US RTE 30.
10. CONSTRUCT PROPOSED SHOULDER, CURB & GUTTER, PCC SIDEWALK IMPROVEMENTS, ADA RAMPS, AND GUARDRAIL ON THE SOUTH SIDE OF US RTE 30.
11. CONSTRUCT PROPOSED CURB RADIUS, ADA RAMPS AND SIDEWALK IMPROVEMENT IN SW QUADRANT OF INTERSECTION.
12. FINISH GRINDING AND RESURFACING UNTIL 2 1/4" - HOT-MIX ASPHALT BINDER COURSE AS NOTED IN TYPICAL SECTIONS

**STAGE 1B:**

1. SET UP STAGE 1B LANE SHIFT, LANE CLOSURES, PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES THROUGH US RTE 30. (SEE STAGE 1B MOT PLANS)
2. RELOCATE TEMPORARY CONCRETE BARRIER FROM STAGE 1A FULLY & PARTIALLY AS NOTED SHOWED ON THE PLANS
3. RELOCATE TEMPORARY CONCRETE BARRIER FROM STAGE 1A ON NORTH SIDE US 30 AND PIN IT FROM STA 1190+95 TO 1196+21

**ORCHARD ROAD**

2. SAME AS STAGE 1A.

**US RTE 30**

3. SAWCUT AND REMOVE EXISTING PAVEMENT, SHOULDER, CURB & GUTTER, AND GUARDRAIL ALONG RADIUS RETURN ON THE NORTH SIDE OF US RTE 30.
4. CONSTRUCT PROPOSED SHOULDER, CURB & GUTTER, AND GUARDRAIL ON THE NORTH SIDE OF US RTE 30.
5. COMPLETE CONSTRUCTION OF THE PROPOSED CURB RADIUS AND SIDEWALK IMPROVEMENT IN THE NW QUADRANT OF THE INTERSECTION.
6. CONSTRUCT PROPOSED CURB RADIUS AND SIDEWALK IMPROVEMENT IN NE QUADRANT OF INTERSECTION.
7. FINISH GRINDING AND RESURFACING UNTIL 2 1/4" - HOT-MIX ASPHALT BINDER COURSE AS NOTED IN TYPICAL SECTIONS

**STAGE 2:**

1. SET UP STAGE 2 LANE SHIFTS AND LANE CLOSURES, PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES THROUGH THE PROJECT SITE ON ORCHARD ROAD AND US RTE 30. (SEE STAGE 2 MOT PLANS)
2. SET UP RIGHT TURN LANE TAPER TO COMMERCIAL ENTRANCE ON SB ORCHARD RD
2. REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND INSTALL TEMPORARY MARKINGS AS SHOWN IN THE STAGE 2 PLANS.
3. INSTALL EROSION CONTROL DEVICES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

**ORCHARD ROAD**

4. SAW CUT AND REMOVE EXISTING STORM SEWERS & DRAINAGE STRUCTURES, PAVEMENT, CURB & GUTTER, DRIVEWAYS, AND PAVED SHOULDER ON THE WEST SIDE OF ORCHARD RD.
5. CONSTRUCT PROPOSED CURB & GUTTER AND PAVEMENT WIDENING ALONG WEST SIDE OF ORCHARD ROAD.
6. CONSTRUCT PROPOSED CURB RADIUS, ADA RAMPS, SIDEWALK IMPROVEMENT AND PROPOSED PAVEMENT WIDENING IN NW QUADRANT OF INTERSECTION.
7. FINISH GRINDING AND RESURFACING UNTIL 2 1/4" - HOT-MIX ASPHALT BINDER COURSE AS NOTED IN TYPICAL SECTIONS

**US RTE 30**

8. INSTALL TEMPORARY PAVEMENT MARKINGS ON ROUTE 30 IN THE CONFIGURATION AS SHOWN IN THE STAGE 2 PLANS AND REOPEN ALL LANES TO TRAFFIC.

**STAGE 3:**

1. SET UP STAGE 2 LANE SHIFTS AND LANE CLOSURES, PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES THROUGH THE PROJECT SITE ON ORCHARD ROAD AND US RTE 30. (SEE STAGE 3 MOT PLANS)
2. PLACE AND PIN TEMPORARY CONCRETE BARRIER FROM STA 108+06 TO 116+32 AND 123+80 TO 128+26 ALONG SB ORCHARD ROAD
3. REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND INSTALL TEMPORARY MARKINGS AS SHOWN IN THE STAGE 1A PLANS.
4. INSTALL EROSION CONTROL DEVICES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
5. SAWCUT AND REMOVE EXISTING MEDIANS FROM ENTIRE PROJECT LENGTH OF ORCHARD ROAD
6. SAWCUT AND REMOVE TEMPORARY PAVEMENT FROM ORCHARD RD PLACED AT STA. 109+00.7 DURING PRESTAGE MAINTENANCE OF TRAFFIC.
7. CONSTRUCT PROPOSED MEDIANS AND SPECIAL MEDIAN AS NOTED ON ORCHARD ROAD.
8. FINISH GRINDING AND RESURFACING UNTIL 2 1/4" - HOT-MIX ASPHALT BINDER COURSE AS NOTED IN TYPICAL SECTIONS

**SUBSTAGE 3A**

1. FOR INTERSECTION THE PAVEMENT WORK NEEDS TO BE STAGED IN A WAY TO BUILD THE SECTIONS W/ HMA BASE COURSE (VAR. DEPTH) AND HMA BINDER COURSE.

**SUBSTAGE 3B**

1. FINISH AND APPLY THE SURFACE COURSE THROUGHOUT THE INTERSECTION

**POST STAGE**

1. INSTALL PERMANENT PAVEMENT MARKINGS AS SHOWN ON PAVEMENT MARKING PLANS.
2. REMOVE ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNAGE.
3. PERFORM REQUIRED RESTORATION OF THE WORK AREA AND PUNCH LIST ITEMS.

**PUNCH LIST ITEMS:**

1. REMOVE TEMPORARY PAVEMENT MARKINGS AND REPLACE WITH SHORT-TERM PAVEMENT MARKINGS.
2. REPLACE ALL SHORT-TERM PAVEMENT MARKINGS WITH PERMANENT PAVEMENT MARKINGS AND SIGNAGE. WORK SHALL BE COMPLETED UNDER IDOT STD. 701426 AND 701602.
3. REMOVE REMAINING TRAFFIC CONTROL DEVICES AND SIGNAGE AND REOPEN ALL LANES TO TRAFFIC ON ORCHARD ROAD AND US ROUTE 30.
4. REMOVE TEMPORARY EROSION CONTROL DEVICES

MODEL D:\d\h\it... FILE NAME: 20230101180287\_OrchardRoadatRoute30.cadd\Clm\Drawn\Shr\180287-MOT-01-Notes.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - KON	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - CL	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

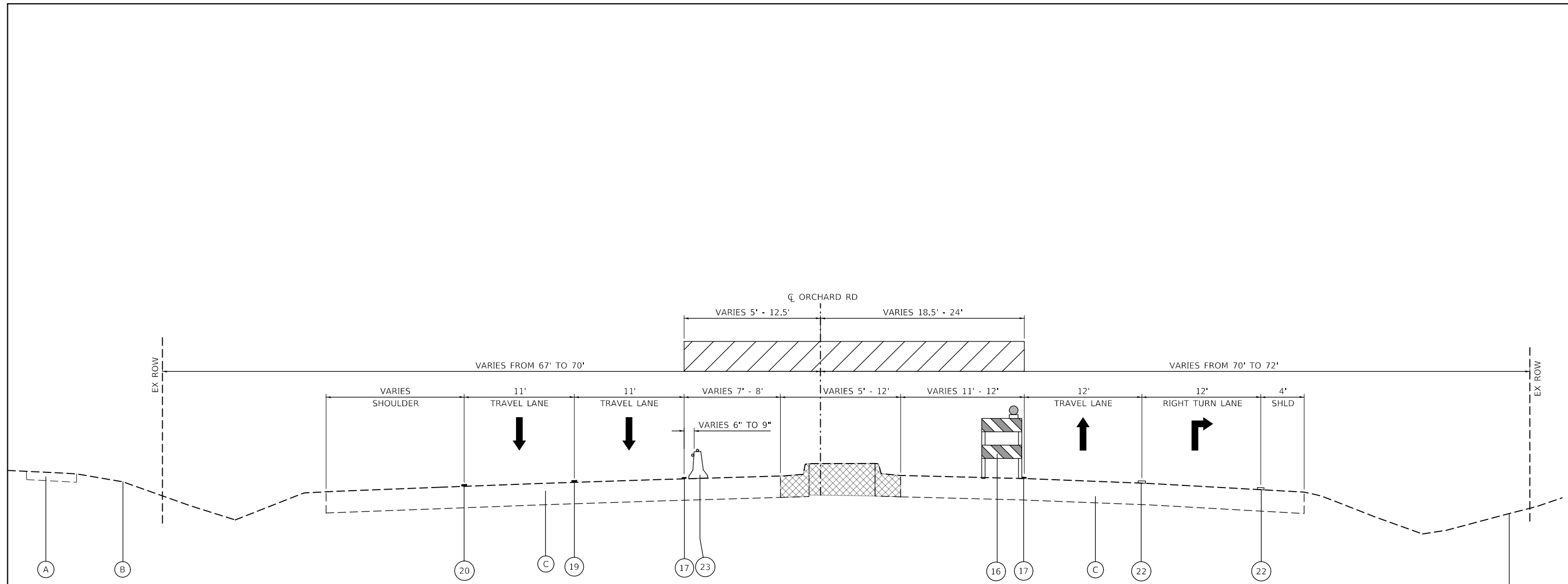
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC GENERAL NOTES  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	42
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				





**TYPICAL SECTION – PRESTAGE  
ORCHARD ROAD**  
(FACING NORTH)  
STA 109+05.97 TO STA 116+20.01

- LEGEND – EXISTING**
- (A) EXISTING SIDEWALK
  - (B) EXISTING GROUND
  - (C) EXISTING HMA PAVEMENT
  - (D) EXISTING GUARDRAIL
  - (E) EXISTING CURB & GUTTER

- LEGEND – REMOVALS**
- HMA SURFACE REMOVAL, 2"
  - PAVED SHOULDER REMOVAL
  - PAVEMENT REMOVAL
  - SIDEWALK REMOVAL
  - MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

- LEGEND – PROPOSED**
- CLASS D PATCHES, TYPE IV, 11"
  - ① POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
  - ② HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2 1/4"
  - ③ HOT-MIX ASPHALT BASE COURSE, 8"
  - ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑤ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)

- ⑥ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- ⑦ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- ⑧ CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- ⑨ FURNISHED EXCAVATION
- ⑩ PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑪ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

- ⑫ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- ⑬ TOPSOIL FURNISH & PLACE, 4"
- ⑭ CONCRETE MEDIAN (SPECIAL)
- ⑮ HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)
- ⑯ TYPE II BARRICADE OR DRUM WITH MONO DIRECTIONAL LIGHT
- ⑰ PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (WHITE)
- ⑱ PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)

- ⑲ PAVEMENT MARKING TAPE, TYPE IV 4" (10' DASH-30' SKIP)
- ⑳ PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (YELLOW)
- ㉑ PAVEMENT MARKING TAPE, TYPE IV 6" SOLID (WHITE)
- ㉒ EX. PAVEMENT MARKING
- ㉓ TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT

MODEL: D:\p1\1711180287\_OrchardRoad\at09ae30\cad\Civil\Drawings\180287-400-TYP.dgn

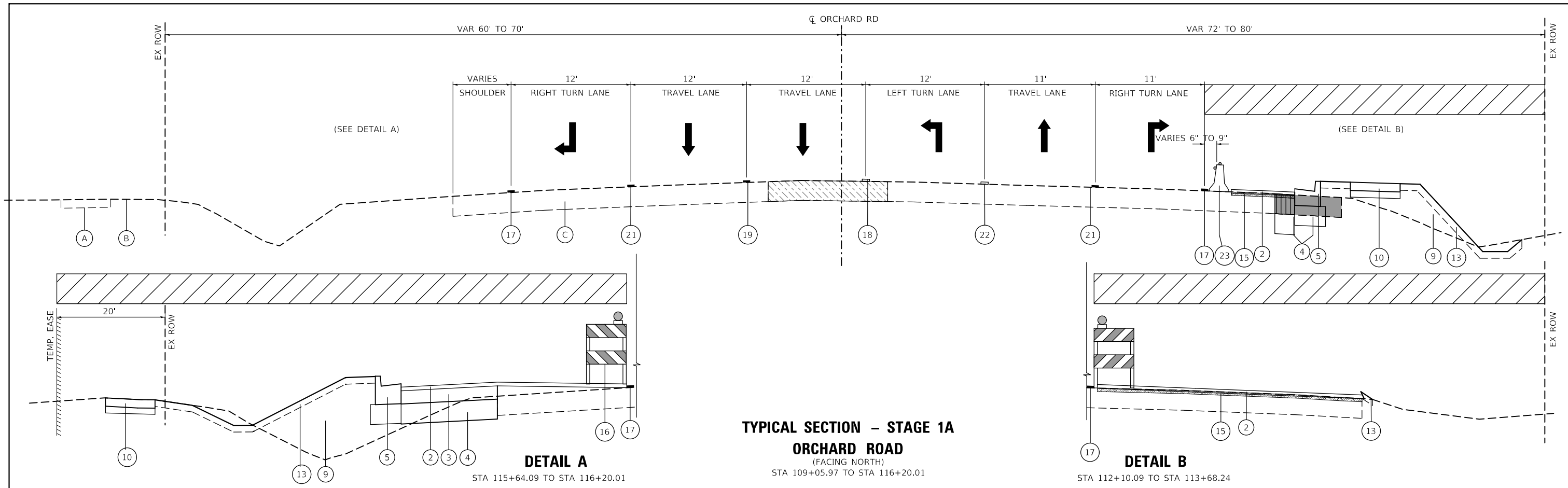
**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

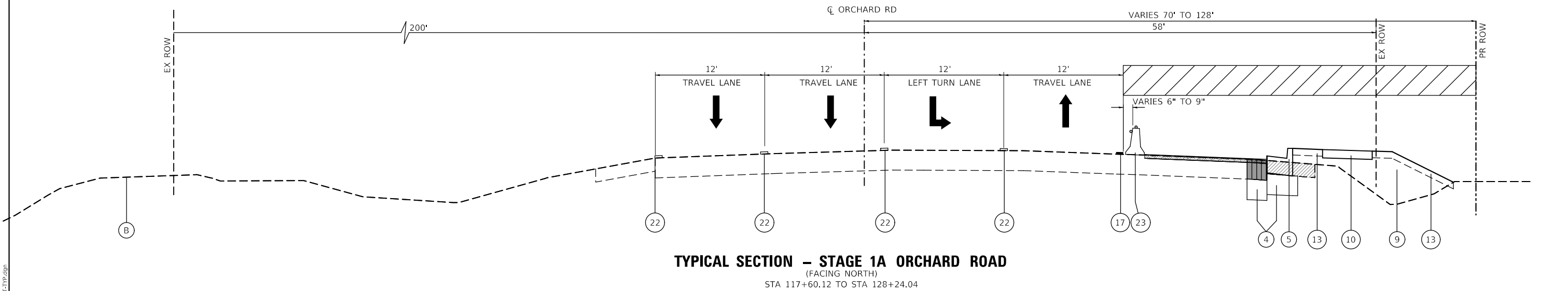
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC TYPICAL SECTIONS ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE: NTS	SHEET 1 OF 8 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	43
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**TYPICAL SECTION - STAGE 1A**  
**ORCHARD ROAD**  
 (FACING NORTH)  
 STA 109+05.97 TO STA 116+20.01



**TYPICAL SECTION - STAGE 1A ORCHARD ROAD**  
 (FACING NORTH)  
 STA 117+60.12 TO STA 128+24.04

**LEGEND - EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND - REMOVALS**

- [Hatched Box] HMA SURFACE REMOVAL, 2"
- [Diagonal Hatched Box] PAVED SHOULDER REMOVAL
- [Solid Grey Box] PAVEMENT REMOVAL
- [Diagonal Hatched Box] SIDEWALK REMOVAL
- [Cross-hatched Box] MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND - PROPOSED**

- [Vertical Lines] CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2 1/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"
- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)
- (16) TYPE II BARRICADE OR DRUM WITH MONO DIRECTIONAL LIGHT
- (17) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (WHITE)
- (18) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)
- (19) PAVEMENT MARKING TAPE, TYPE IV 4" (10' DASH-30' SKIP)
- (20) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (YELLOW)
- (21) PAVEMENT MARKING TAPE, TYPE IV 6" SOLID (WHITE)
- (22) EX. PAVEMENT MARKING
- (23) TEMPORARY CONCRETE BARRIER
- [Diagonal Hatched Box] WORK ZONE
- [Cross-hatched Box] TEMPORARY PAVEMENT

MODEL: D:\p1\180287\_OrchardRoad\Stationing\180287-MOT-TYP.dgn

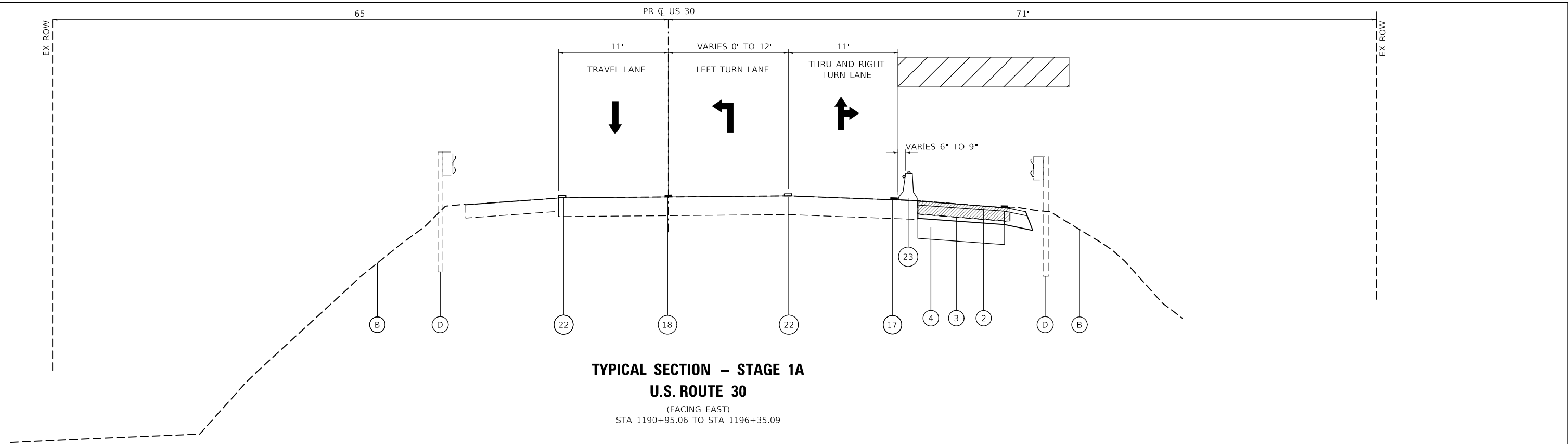
**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

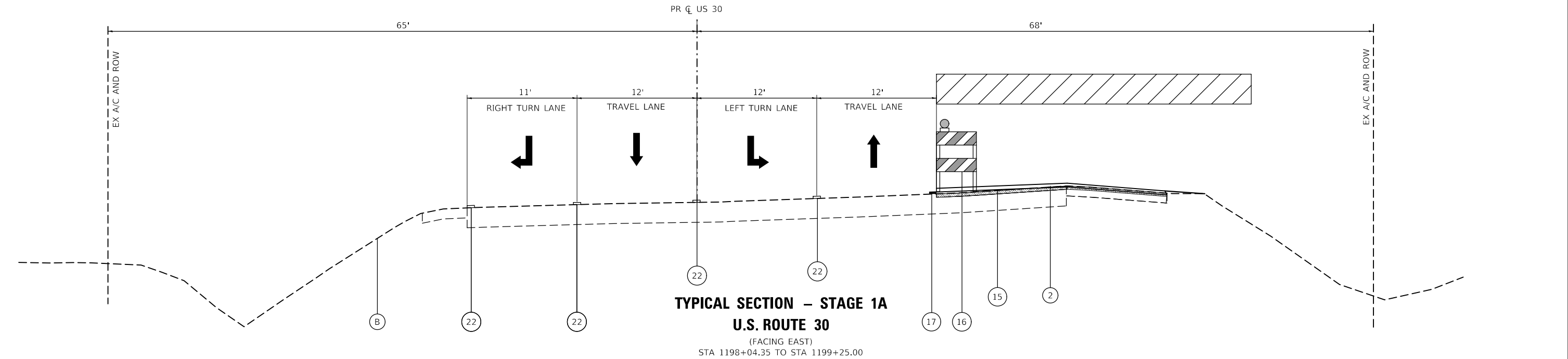
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC TYPICAL SECTIONS</b>			
<b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE: NTS	SHEET 2	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 44
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**TYPICAL SECTION – STAGE 1A**  
**U.S. ROUTE 30**  
 (FACING EAST)  
 STA 1190+95.06 TO STA 1196+35.09



**TYPICAL SECTION – STAGE 1A**  
**U.S. ROUTE 30**  
 (FACING EAST)  
 STA 1198+04.35 TO STA 1199+25.00

- LEGEND – EXISTING**
- (A) EXISTING SIDEWALK
  - (B) EXISTING GROUND
  - (C) EXISTING HMA PAVEMENT
  - (D) EXISTING GUARDRAIL
  - (E) EXISTING CURB & GUTTER

- LEGEND – REMOVALS**
- [Hatched Box] HMA SURFACE REMOVAL, 2"
  - [Diagonal Lines] PAVED SHOULDER REMOVAL
  - [Solid Grey Box] PAVEMENT REMOVAL
  - [Diagonal Lines] SIDEWALK REMOVAL
  - [Cross-hatched Box] MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

- LEGEND – PROPOSED**
- [Vertical Lines] CLASS D PATCHES, TYPE IV, 11"
  - (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
  - (2) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2 1/4"
  - (3) HOT-MIX ASPHALT BASE COURSE, 8"
  - (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)

- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)
- (16) TYPE II BARRICADE OR DRUM WITH MONO DIRECTIONAL LIGHT
- (17) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (WHITE)
- (18) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)

- (19) PAVEMENT MARKING TAPE, TYPE IV 4" (10' DASH-30" SKIP)
  - (20) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (YELLOW)
  - (21) PAVEMENT MARKING TAPE, TYPE IV 6" SOLID (WHITE)
  - (22) EX. PAVEMENT MARKING
  - (23) TEMPORARY CONCRETE BARRIER
- [Hatched Box] WORK ZONE  
 [Diagonal Lines] TEMPORARY PAVEMENT

MODEL: D:\p1\11180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\11180287-1A01-TYP.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

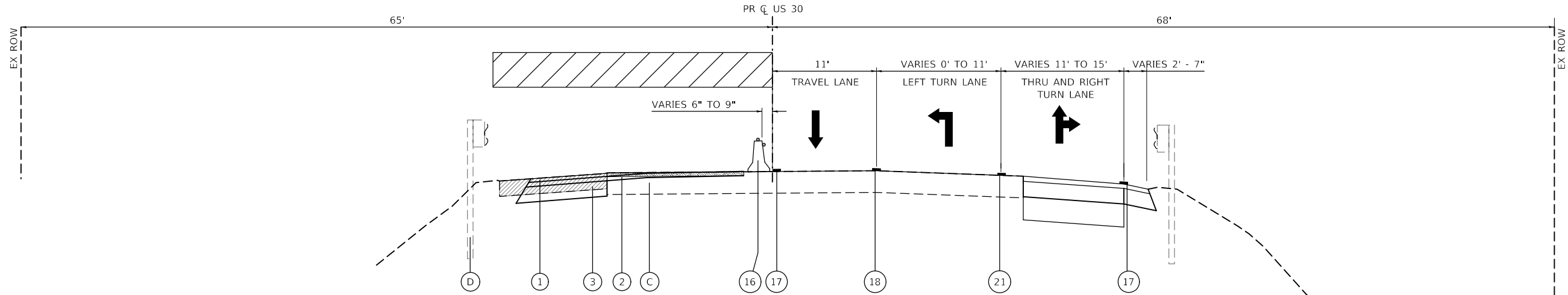
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC TYPICAL SECTIONS**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

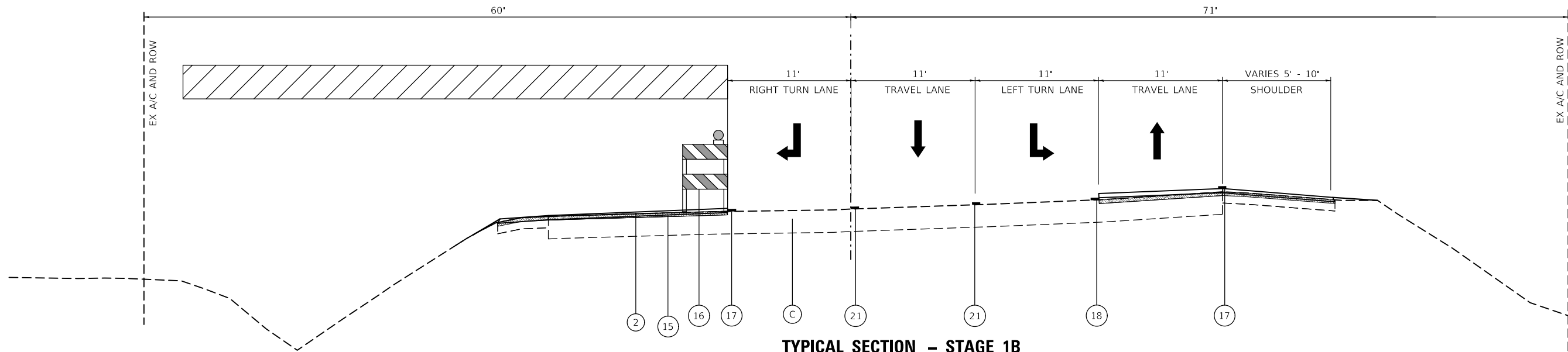
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	45
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**TYPICAL SECTION - STAGE 1B  
U.S. ROUTE 30**

(FACING EAST)  
STA 1190+95.06 TO STA. 1196+35.09

PR C US 30



**TYPICAL SECTION - STAGE 1B  
U.S. ROUTE 30**

(FACING EAST)  
STA 1198+04.35 TO STA 1207+00.00

**LEGEND - EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND - REMOVALS**

- [Hatched Box] HMA SURFACE REMOVAL, 2"
- [Diagonal Hatched Box] PAVED SHOULDER REMOVAL
- [Solid Grey Box] PAVEMENT REMOVAL
- [Diagonal Hatched Box] SIDEWALK REMOVAL
- [Cross-hatched Box] MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND - PROPOSED**

- [Vertical Line Pattern] CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2 1/2"
- (3) HOT-MIX ASPHALT BASE COURSE, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)

- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)
- (16) TYPE II BARRICADE OR DRUM WITH MONO DIRECTIONAL LIGHT
- (17) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (WHITE)
- (18) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)

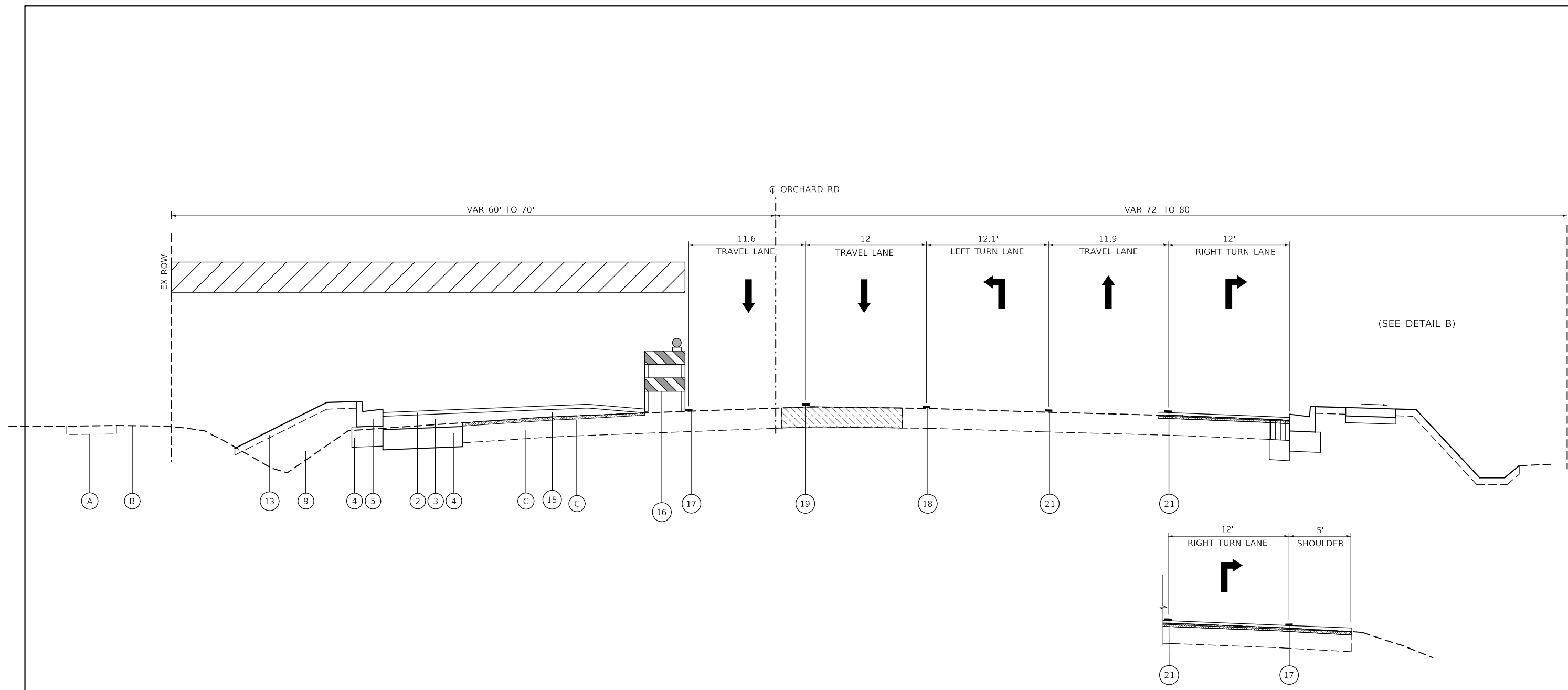
- (19) PAVEMENT MARKING TAPE, TYPE IV 4" (10' DASH-30' SKIP)
- (20) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (YELLOW)
- (21) PAVEMENT MARKING TAPE, TYPE IV 6" SOLID (WHITE)
- (22) EX. PAVEMENT MARKING
- (23) TEMPORARY CONCRETE BARRIER

- [Diagonal Hatched Box] WORK ZONE
- [Cross-hatched Box] TEMPORARY PAVEMENT

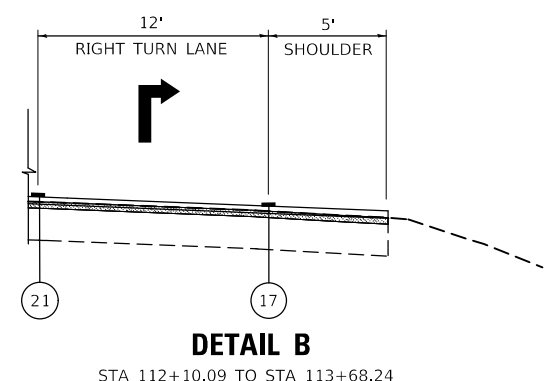
MODEL: D:\p1\170287\_OrchardRoadatRoute30\cadd\Civil\Drawings\170287-1-MOT-TYP.dgn

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	46
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**TYPICAL SECTION – STAGE 2  
ORCHARD ROAD**  
(FACING NORTH)  
STA 109+05.97 TO STA 115+64.09



**LEGEND – EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND – REMOVALS**

- [Hatched] HMA SURFACE REMOVAL, 2"
- [Diagonal Hatched] PAVED SHOULDER REMOVAL
- [Solid Grey] PAVEMENT REMOVAL
- [Diagonal Hatched] SIDEWALK REMOVAL
- [Cross-hatched] MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND – PROPOSED**

- [Vertical Lines] CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2 1/2"
- (3) HOT-MIX ASPHALT BASE COURSE, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)

- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)
- (16) TYPE II BARRICADE OR DRUM WITH MONO DIRECTIONAL LIGHT
- (17) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (WHITE)
- (18) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)

- (19) PAVEMENT MARKING TAPE, TYPE IV 4" (10' DASH-30' SKIP)
- (20) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (YELLOW)
- (21) PAVEMENT MARKING TAPE, TYPE IV 6" SOLID (WHITE)
- (22) EX. PAVEMENT MARKING
- (23) TEMPORARY CONCRETE BARRIER

- [Diagonal Hatched] WORK ZONE
- [Cross-hatched] TEMPORARY PAVEMENT

MODEL: D:\p1\180287\_OrchardRoad\Drawings\180287-TYP.dgn



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

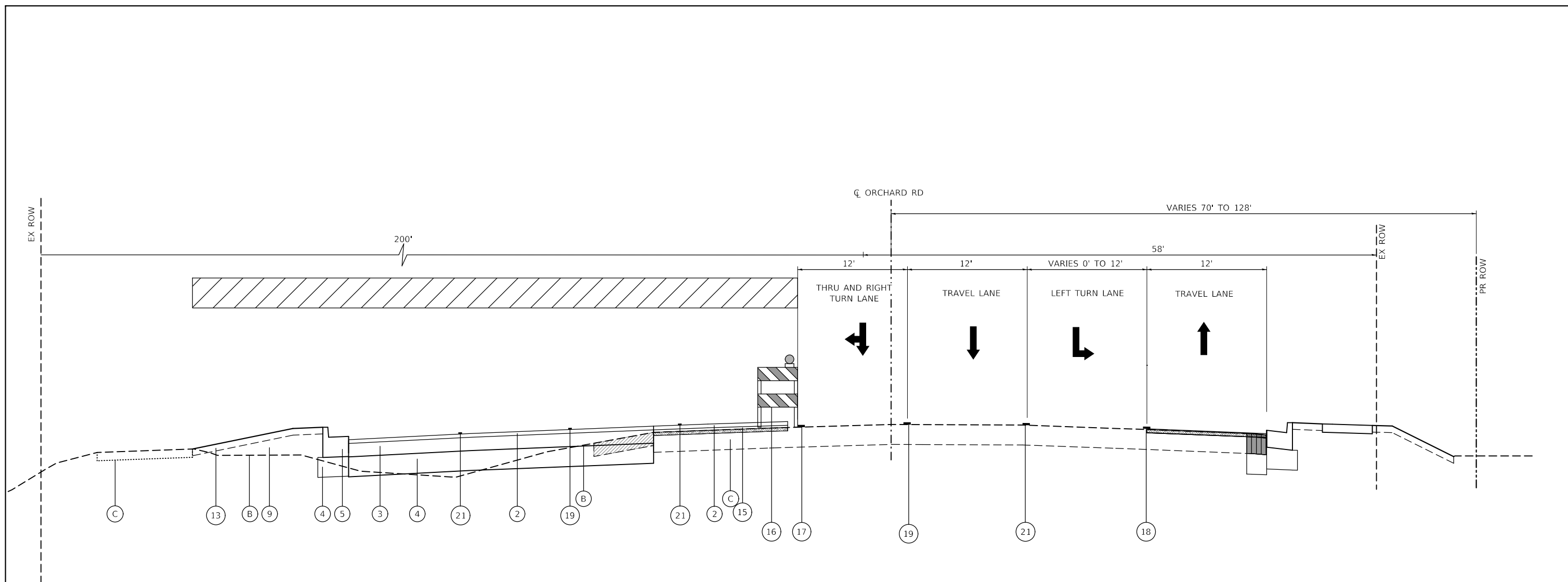
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC TYPICAL SECTIONS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	47
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				



**TYPICAL SECTION – STAGE 2**  
**ORCHARD ROAD**  
 (FACING NORTH)  
 STA 117+60.12 TO STA 124+24.04

**LEGEND – EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND – REMOVALS**

- HMA SURFACE REMOVAL, 2"
- PAVED SHOULDER REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND – PROPOSED**

- CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2 1/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)

- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)
- (16) TYPE II BARRICADE OR DRUM WITH MONO DIRECTIONAL LIGHT
- (17) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (WHITE)
- (18) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)

- (19) PAVEMENT MARKING TAPE, TYPE IV 4" (10' DASH-30' SKIP)
- (20) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (YELLOW)
- (21) PAVEMENT MARKING TAPE, TYPE IV 6" SOLID (WHITE)
- (22) EX. PAVEMENT MARKING
- (23) TEMPORARY CONCRETE BARRIER

- WORK ZONE
- TEMPORARY PAVEMENT

MODEL: D:\p\11\180287\_OrchardRoad\Stage30\cadd\Civil\Drawings\180287-180287-180287-TYP.dwg  
 FILE NAME: 20230118180287\_OrchardRoad\Stage30\cadd\Civil\Drawings\180287-180287-180287-TYP.dwg

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

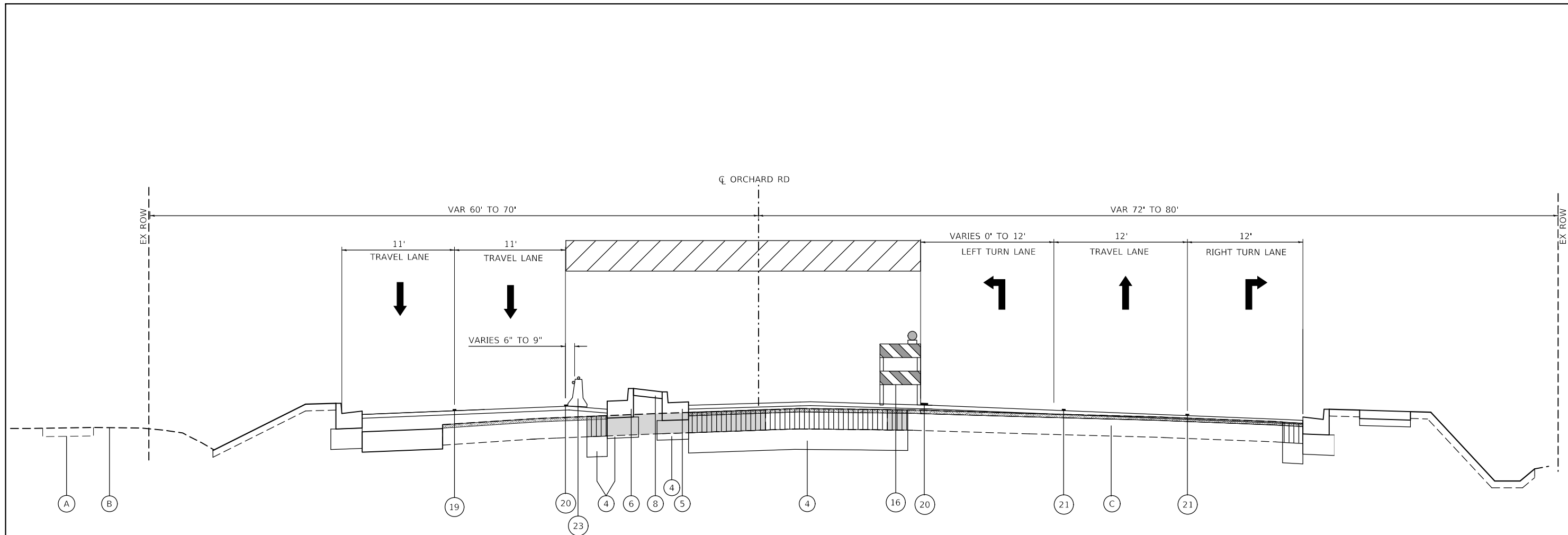
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC TYPICAL SECTIONS**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	48
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**TYPICAL SECTION – STAGE 3**  
**ORCHARD ROAD**  
 (FACING NORTH)  
 STA 109+05.97 TO STA 116+20.01

**LEGEND – EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND – REMOVALS**

- HMA SURFACE REMOVAL, 2"
- PAVED SHOULDER REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND – PROPOSED**

- CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2½"
- (3) HOT-MIX ASPHALT BASE COURSE, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)

- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- (9) FURNISHED EXCAVATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (11) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"

- (12) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (13) TOPSOIL FURNISH & PLACE, 4"
- (14) CONCRETE MEDIAN (SPECIAL)
- (15) HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)
- (16) TYPE II BARRICADE OR DRUM WITH MONO DIRECTIONAL LIGHT
- (17) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (WHITE)
- (18) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)

- (19) PAVEMENT MARKING TAPE, TYPE IV 4" (10' DASH-30' SKIP)
- (20) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (YELLOW)
- (21) PAVEMENT MARKING TAPE, TYPE IV 6" SOLID (WHITE)
- (22) EX. PAVEMENT MARKING
- (23) TEMPORARY CONCRETE BARRIER

- WORK ZONE
- TEMPORARY PAVEMENT

MODEL: D:\p1\180287\_OrchardRoadStage30\cadd\Civil\Drawings\180287-MOT-TYP.dwg  
 FILE NAME: 20230118180287\_OrchardRoadStage30\cadd\Civil\Drawings\180287-MOT-TYP.dwg



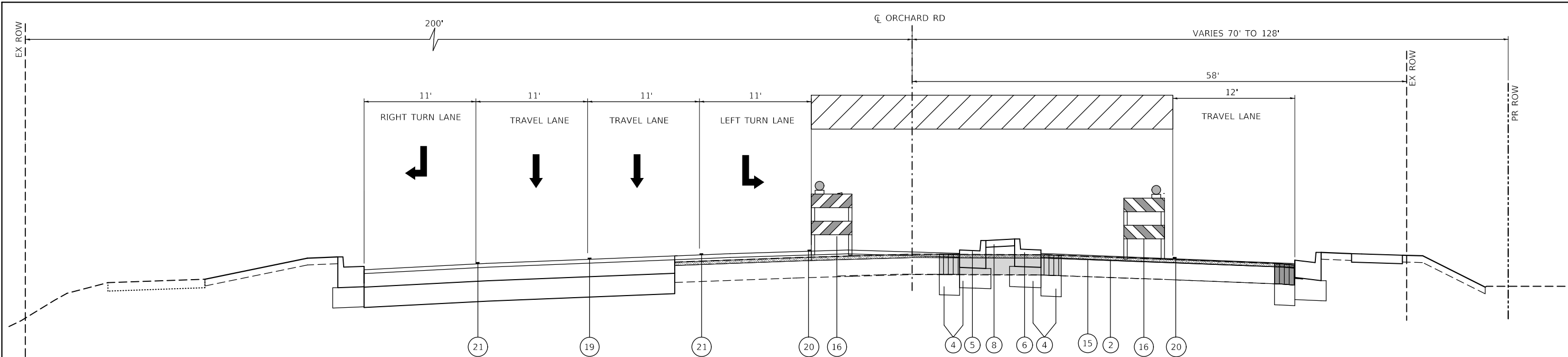
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC TYPICAL SECTIONS**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

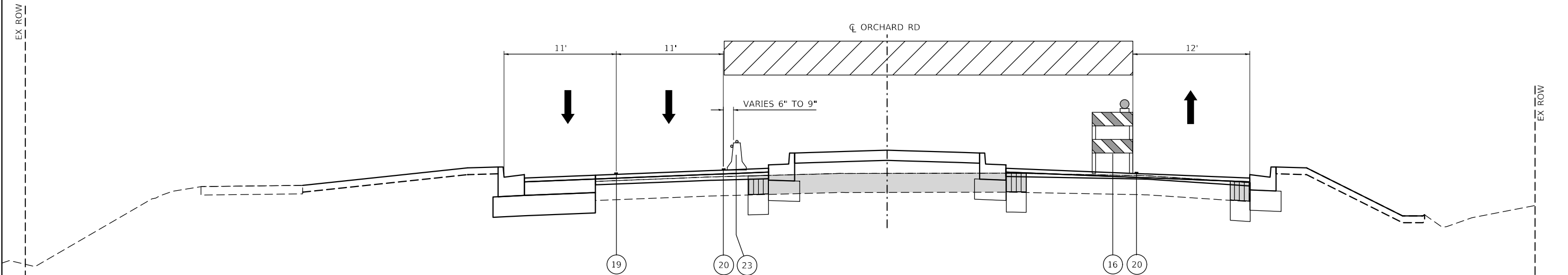
SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	49
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**TYPICAL SECTION – STAGE 3  
ORCHARD ROAD**

STA 117+60.12 TO STA 123+80.20  
(FACING NORTH)



**TYPICAL SECTION – STAGE 3  
ORCHARD ROAD**

STA 123+80.20 TO STA 124+24.04  
(FACING NORTH)

**LEGEND – EXISTING**

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

**LEGEND – REMOVALS**

- HMA SURFACE REMOVAL, 2"
- PAVED SHOULDER REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

**LEGEND – PROPOSED**

- CLASS D PATCHES, TYPE IV, 11"
- (1) POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2 1/2"
- (3) HOT-MIX ASPHALT BASE COURSE, 8"
- (4) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)

- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- (8) CONCRETE MEDIAN SURFACE, 4"
- (9) SUBBASE GRANULAR MATERIAL, TYPE B
- (10) FURNISHED EXCAVATION
- (11) PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (12) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- (13) HOT-MIX ASPHALT BASE COURSE, 6"

- (14) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- (15) TOPSOIL FURNISH & PLACE, 4"
- (16) CONCRETE MEDIAN (SPECIAL)
- (17) HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)
- (18) TYPE II BARRICADE OR DRUM WITH MONO DIRECTIONAL LIGHT
- (19) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (WHITE)
- (20) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)

- (21) PAVEMENT MARKING TAPE, TYPE IV 4" (10' DASH-30' SKIP)
- (22) PAVEMENT MARKING TAPE, TYPE IV 4" SOLID (YELLOW)
- (23) PAVEMENT MARKING TAPE, TYPE IV 6" SOLID (WHITE)
- (24) EX. PAVEMENT MARKING
- (25) TEMPORARY CONCRETE BARRIER

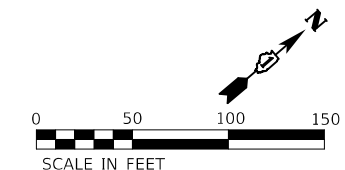
- WORK ZONE
- TEMPORARY PAVEMENT

MODEL: D:\p1\180287\_OrchardRoad\Stage3\CADD\Civil\Drawings\180287-MOT-TYP.dgn

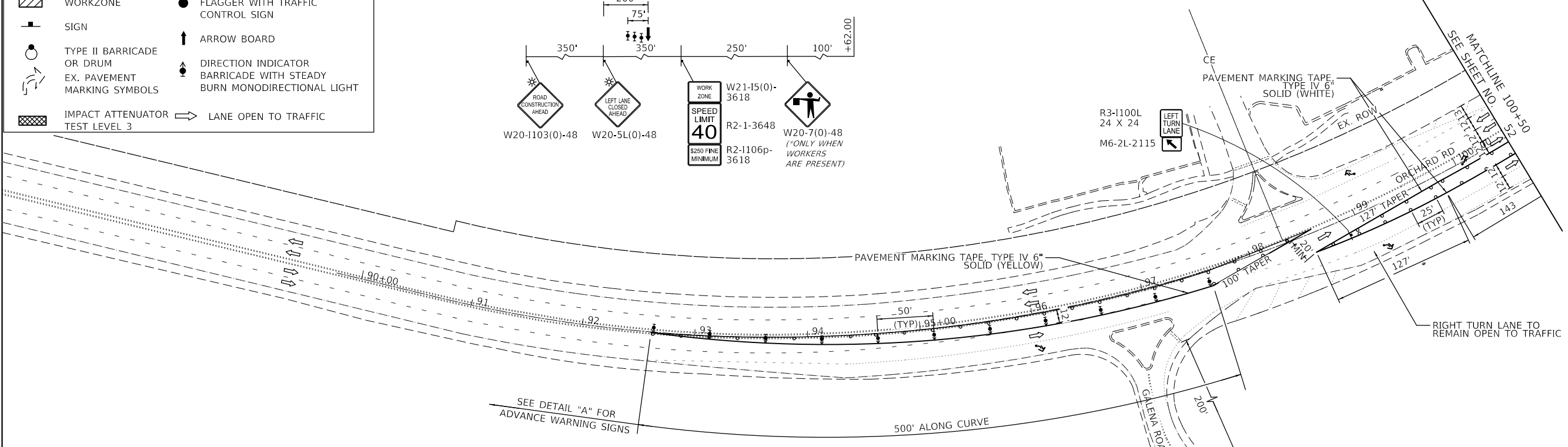
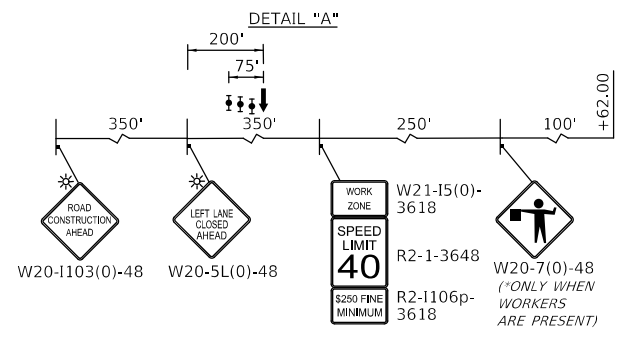
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	50
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				





LEGEND	
	WORKZONE
	SIGN
	TYPE II BARRICADE OR DRUM
	EX. PAVEMENT MARKING SYMBOLS
	IMPACT ATTENUATOR TEST LEVEL 3
	FLAGGER WITH TRAFFIC CONTROL SIGN
	ARROW BOARD
	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	LANE OPEN TO TRAFFIC



- NOTE**
1. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AT EVERY STAGE
  2. ALL PRE-STAGE TRAFFIC CONTROL WILL BE MAINTAINED THROUGHOUT PRE-STAGE CONSTRUCTION STAGE

MODEL: D:\a\l\l\180287\_OrchardRoad\180287-MOT-01-PreStage\_Orchard.dgn  
 FILE NAME: 20230118180287\_OrchardRoad\180287-MOT-01-PreStage\_Orchard.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

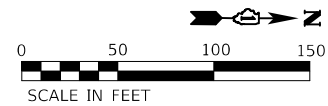
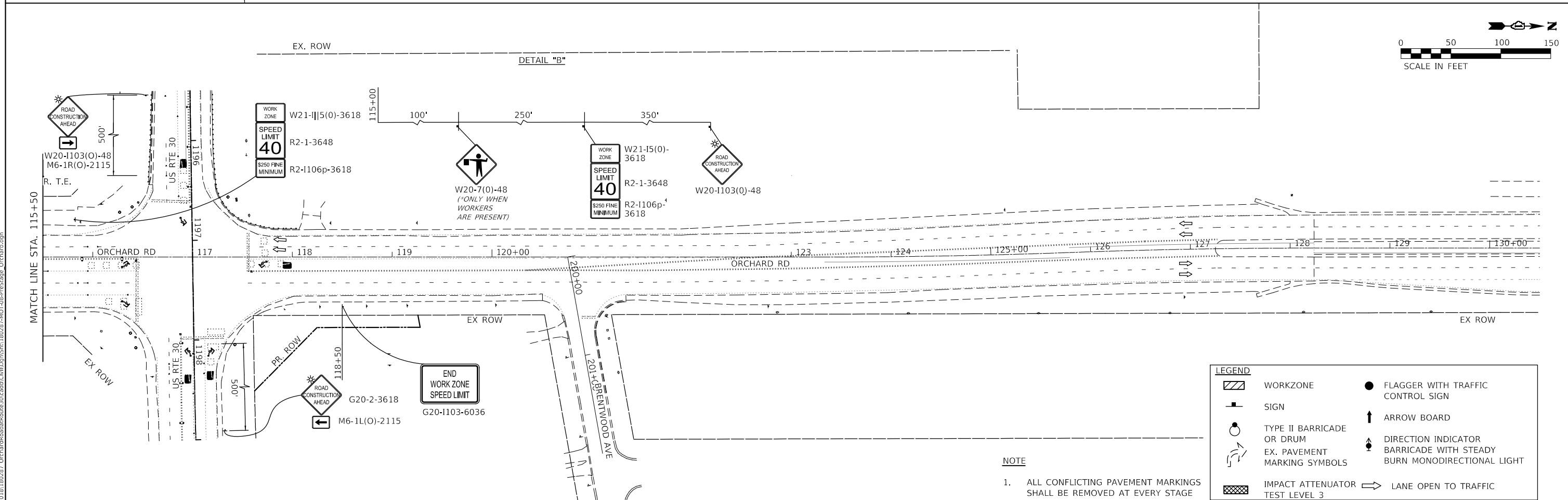
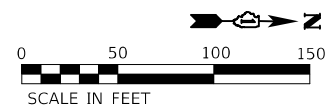
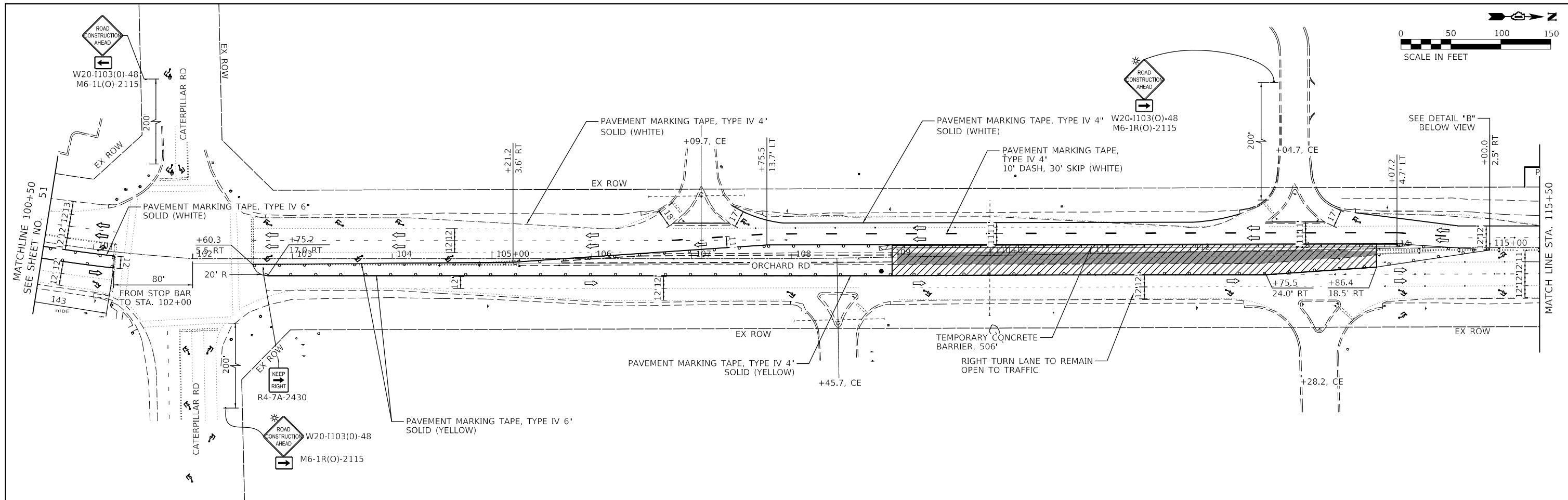
USER NAME = awuellner	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - KON	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:100	CHECKED - KAC	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - PRESTAGE**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 50'    SHEET 1 OF 10 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	51
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**LEGEND**

	WORKZONE		FLAGGER WITH TRAFFIC CONTROL SIGN
	SIGN		ARROW BOARD
	TYPE II BARRICADE OR DRUM		DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	EX. PAVEMENT MARKING SYMBOLS		LANE OPEN TO TRAFFIC
	IMPACT ATTENUATOR TEST LEVEL 3		

**NOTE**  
 1. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AT EVERY STAGE

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - PRESTAGE  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

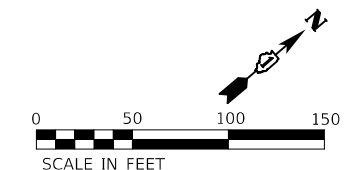
USER NAME = awuellner	DESIGNED - KON	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - KON	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - KAC	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 52
CONTRACT NO. 61H49				
SCALE: 1" = 50' SHEET 2 OF 10 SHEETS STA. TO STA.				

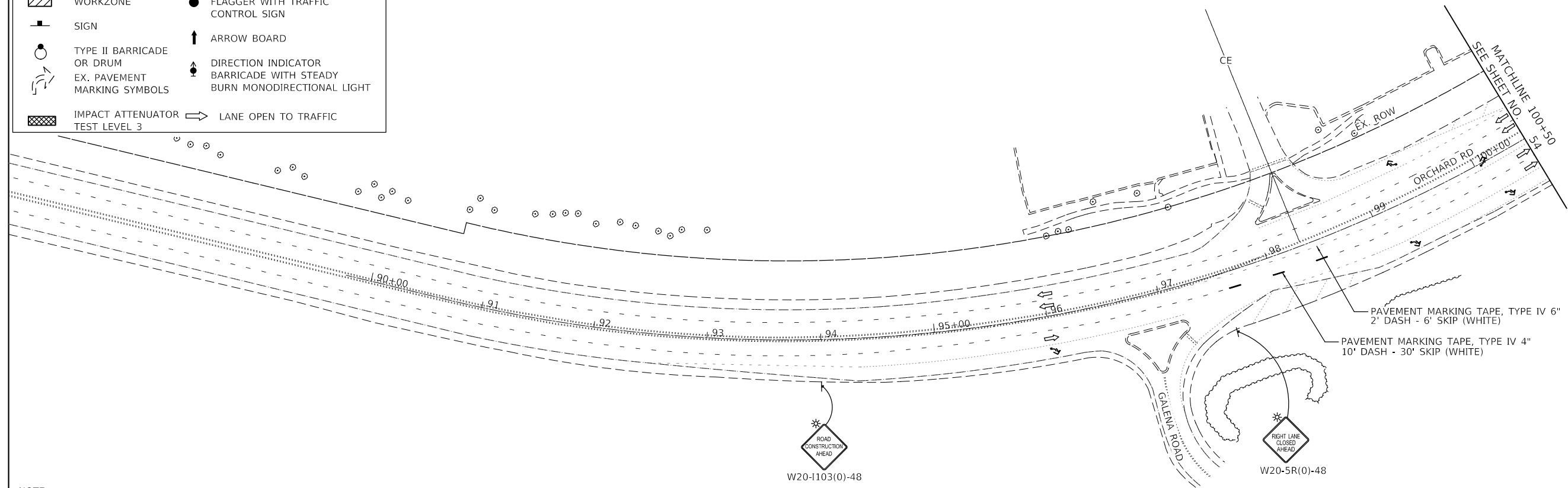
ILLINOIS	FED. AID PROJECT 93511746
----------	---------------------------

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

MODEL: D:\m\11180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1180287-1-MOT-08-PreStage\_Orchard.dgn  
 FILE NAME: 21-03-01-1180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1180287-1-MOT-08-PreStage\_Orchard.dgn



LEGEND	
	WORKZONE
	SIGN
	TYPE II BARRICADE OR DRUM
	EX. PAVEMENT MARKING SYMBOLS
	IMPACT ATTENUATOR TEST LEVEL 3
	FLAGGER WITH TRAFFIC CONTROL SIGN
	ARROW BOARD
	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	LANE OPEN TO TRAFFIC



**NOTE**  
 1. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AT EVERY STAGE

MODEL: D:\dgn\17-00488-00-CH\17-00488-00-CH.dgn  
 FILE NAME: 20231011102287\_OrchardRoadStage30.dwg  
 USER: awueller

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

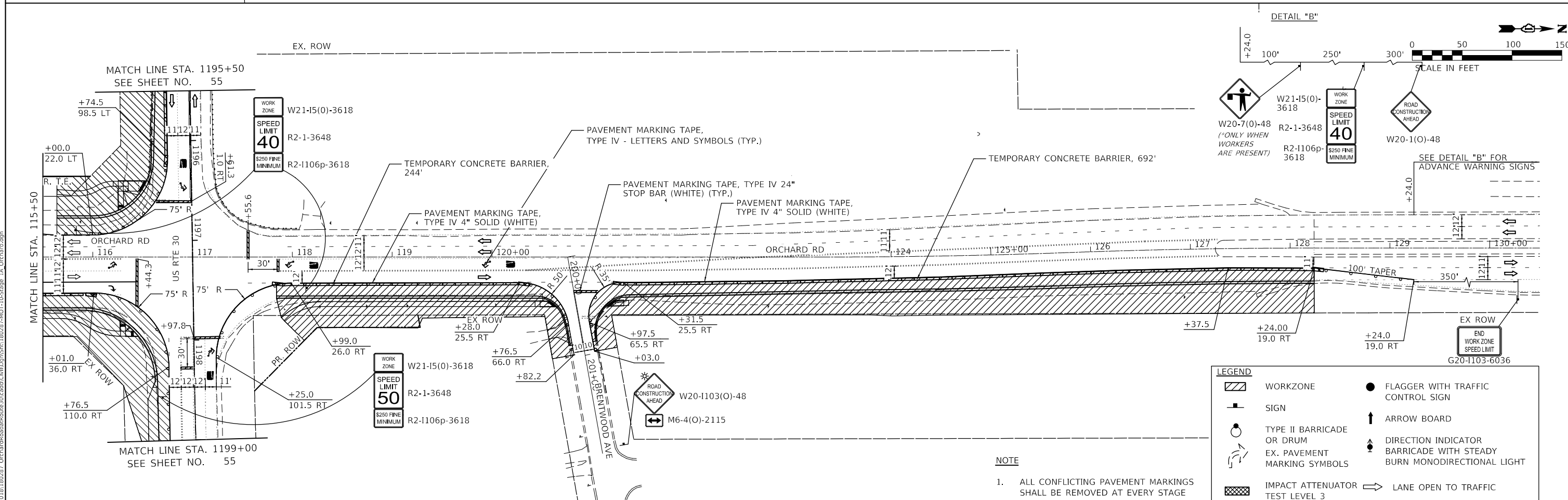
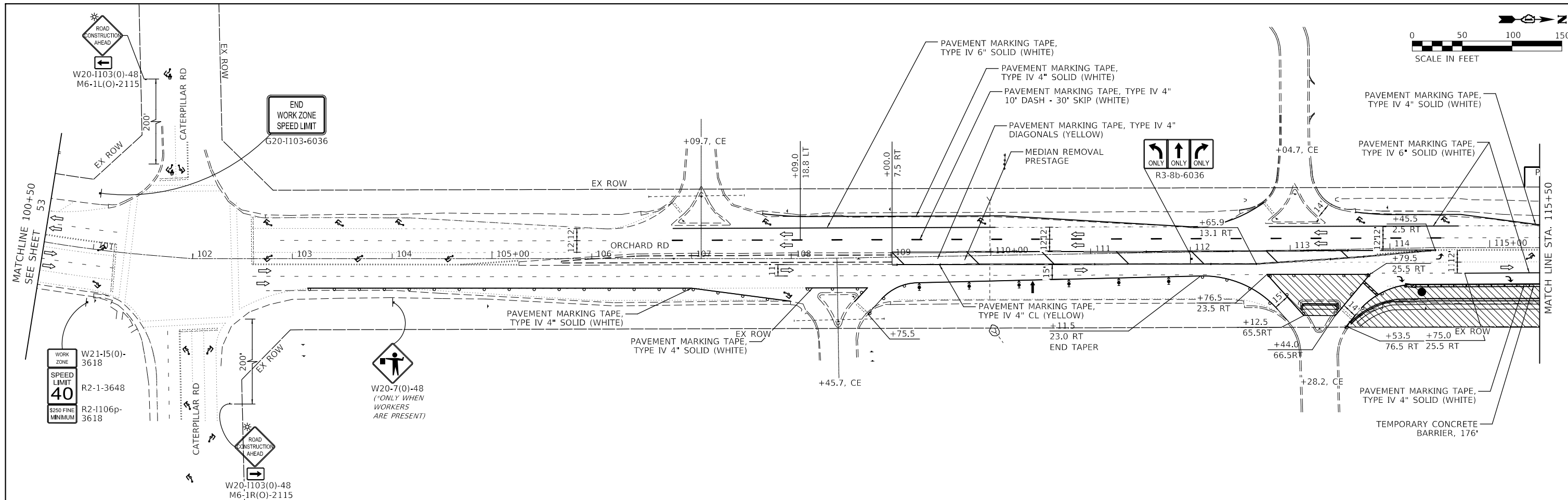
USER NAME = awueller	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - KON	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:100	CHECKED - KAC	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - STAGE 1A (ORCHARD RD)  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 50'    SHEET 3 OF 10 SHEETS    STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	53
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

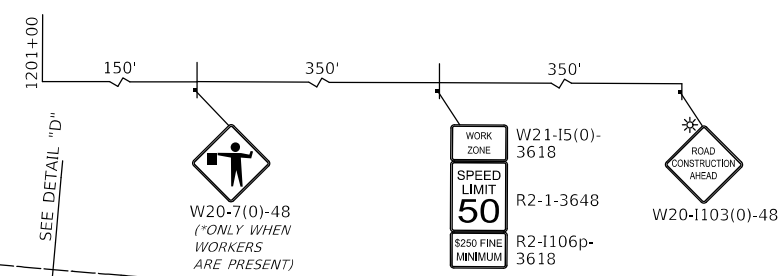
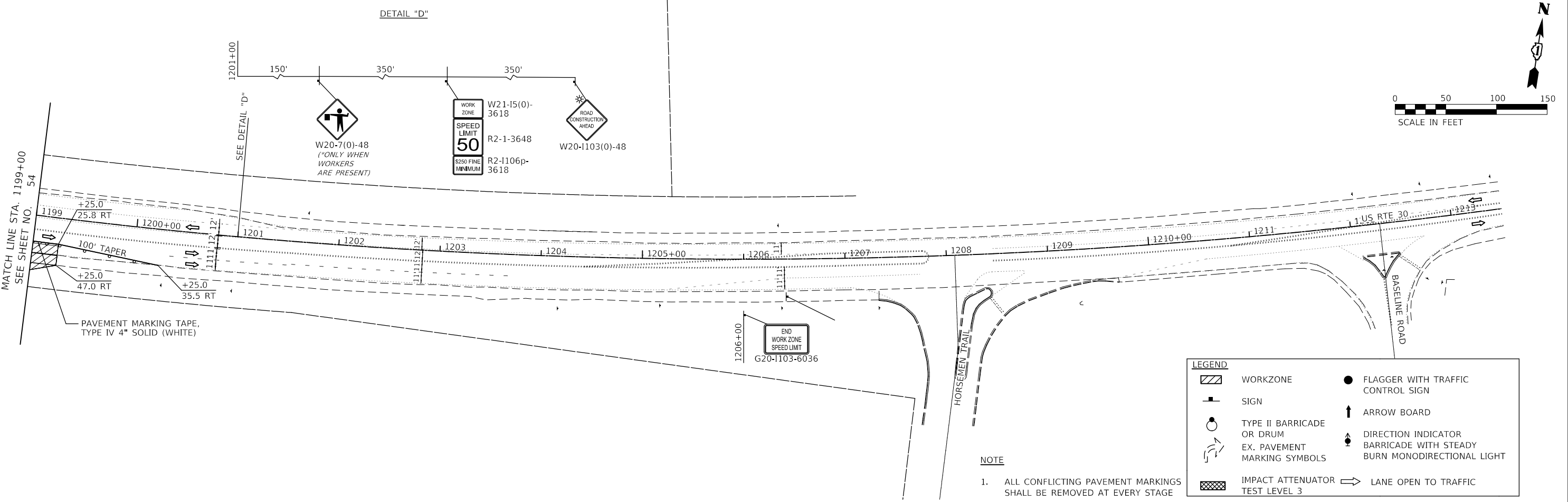
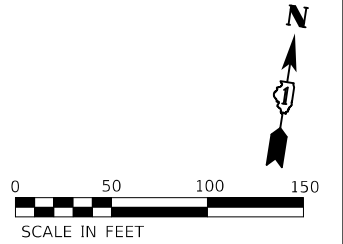
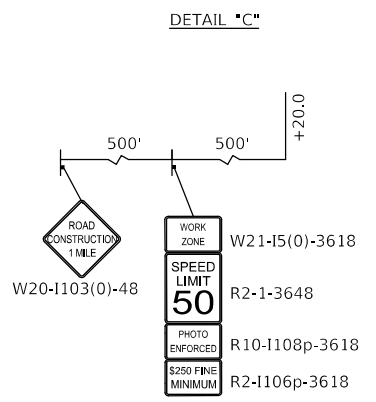
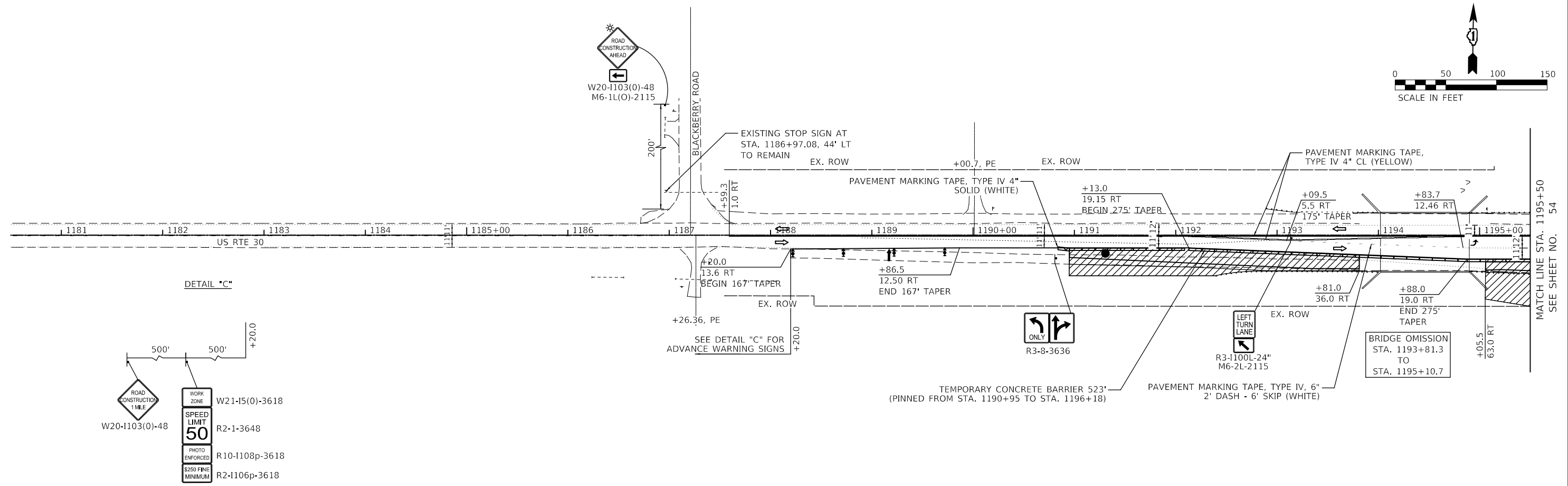
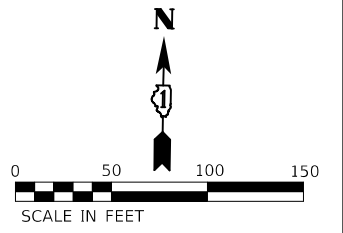
USER NAME = awuellner	DESIGNED - AKW	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - KAC	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - STAGE 1A (ORCHARD RD)  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 54
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

SCALE: 1" = 50' SHEET 4 OF 10 SHEETS STA. TO STA.



LEGEND	
	WORKZONE
	SIGN
	TYPE II BARRICADE OR DRUM
	EX. PAVEMENT MARKING SYMBOLS
	IMPACT ATTENUATOR TEST LEVEL 3
	FLAGGER WITH TRAFFIC CONTROL SIGN
	ARROW BOARD
	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	LANE OPEN TO TRAFFIC

**NOTE**  
1. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AT EVERY STAGE

MODEL: D:\p\11\1102287\_OrchardRoadStage1A\1102287-11-15.dwg, 1A\_US30.dwg  
FILE NAME: 202301111102287\_OrchardRoadStage1A\1102287-11-15.dwg, 1A\_US30.dwg

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

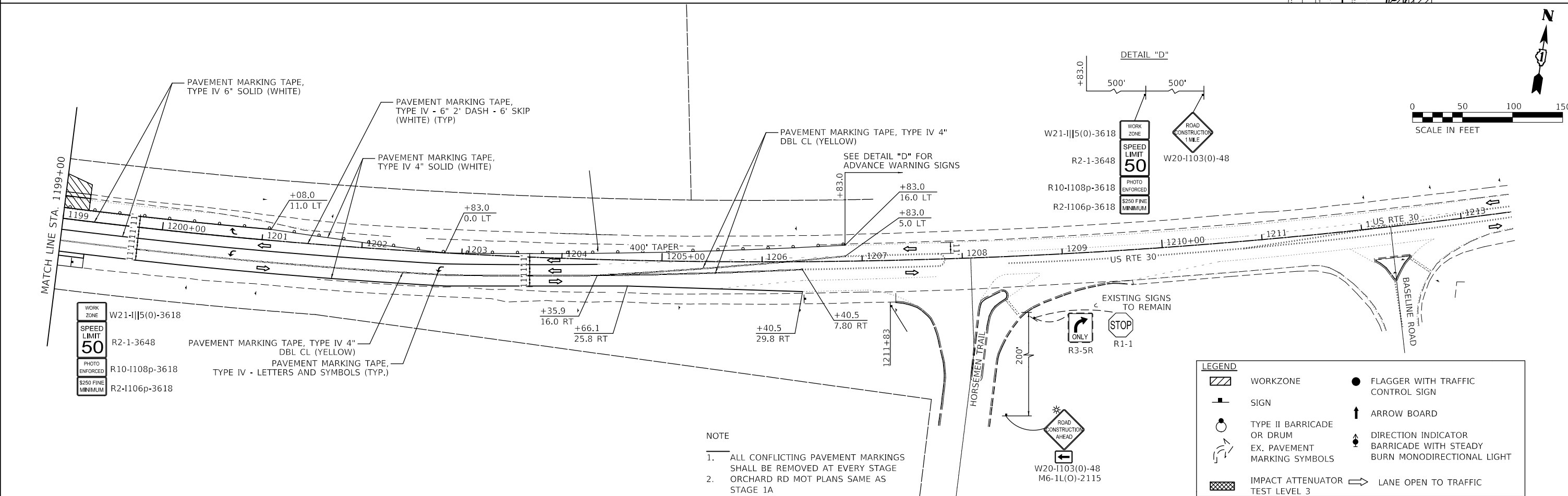
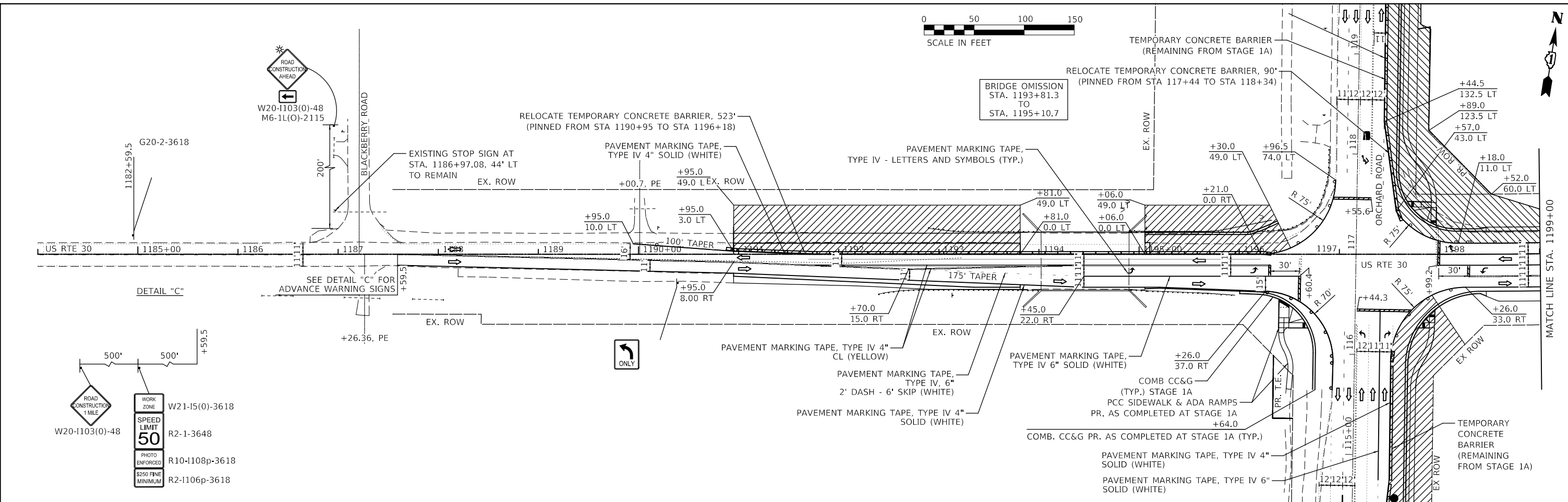
USER NAME = awuellner	DESIGNED - SS	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - AKW	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - KAC	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - STAGE 1A (US RTE 30)  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 55
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

SCALE: 1" = 50' SHEET 5 OF 10 SHEETS STA. TO STA.



**NOTE**

- ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AT EVERY STAGE
- ORCHARD RD MOT PLANS SAME AS STAGE 1A

LEGEND	
	WORKZONE
	SIGN
	TYPE II BARRICADE OR DRUM
	EX. PAVEMENT MARKING SYMBOLS
	IMPACT ATTENUATOR TEST LEVEL 3
	FLAGGER WITH TRAFFIC CONTROL SIGN
	ARROW BOARD
	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	LANE OPEN TO TRAFFIC

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KON	REVISED -
PLOT SCALE = 1:100	DRAWN - AKW	REVISED -
PLOT DATE = 11/17/2021	CHECKED - KAC	REVISED -
	DATE - 10/04/2021	REVISED -

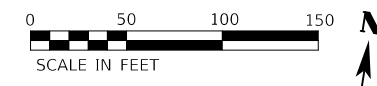
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - STAGE 1B (US RTE 30)  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

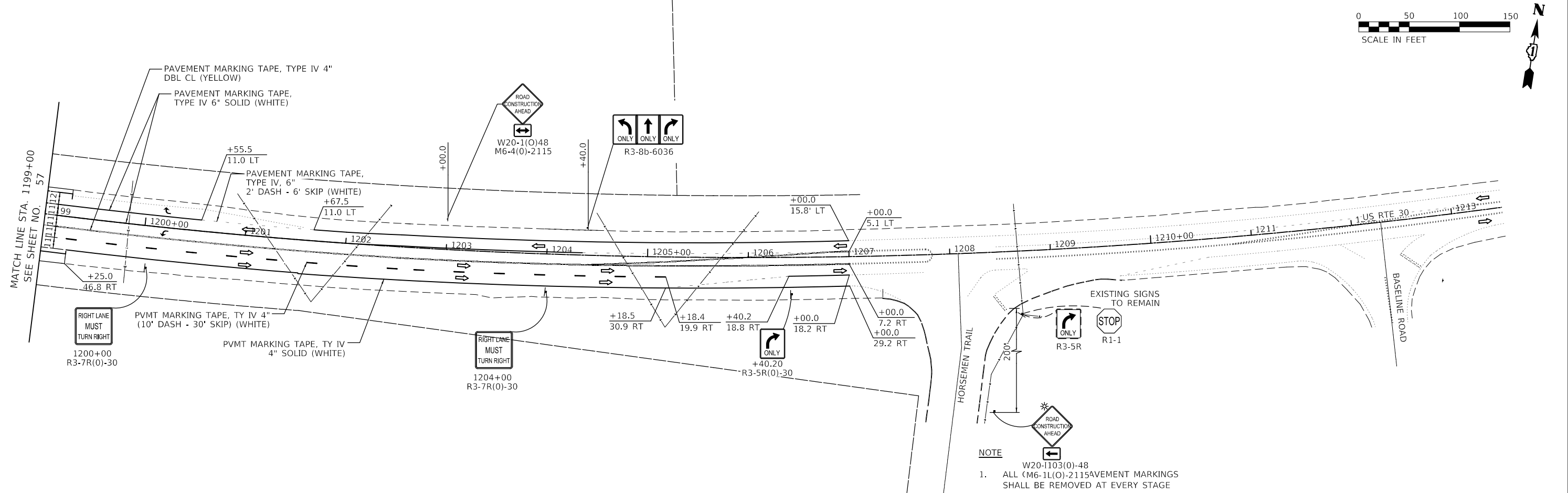
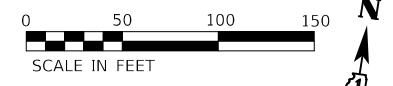
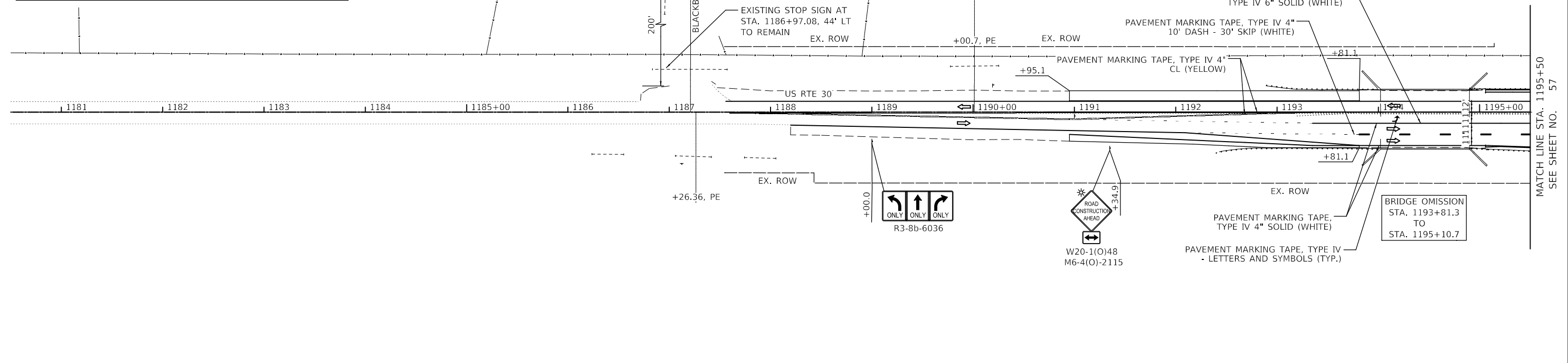
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 56
ILLINOIS FED. AID PROJECT 93511746			CONTRACT NO. 61H49	

MODEL: D:\mft\...  
 FILE NAME: 20230101180287\_OrchardRoadStage1B.MXD  
 USER: awuellner  
 DATE: 11/17/2021 10:53:06 AM





LEGEND	
	WORKZONE
	SIGN
	TYPE II BARRICADE OR DRUM
	EX. PAVEMENT MARKING SYMBOLS
	IMPACT ATTENUATOR TEST LEVEL 3
	FLAGGER WITH TRAFFIC CONTROL SIGN
	ARROW BOARD
	DIRECTION INDICATOR
	BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	LANE OPEN TO TRAFFIC



**NOTE**  
 W20-1103(O)-48  
 1. ALL (M6-1L(O)-2115) PAVEMENT MARKINGS SHALL BE REMOVED AT EVERY STAGE

MODEL: D:\p1\180287\_OrchardRoad\Station1180287-145.dwg, 2\_US30.dgn  
 FILE NAME: 202301181180287\_OrchardRoad\Station1180287-145.dwg, 2\_US30.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awueller	DESIGNED - KON	REVISED -
PLOT SCALE = 1:100	DRAWN - KON	REVISED -
PLOT DATE = 11/17/2021	CHECKED - KAC	REVISED -
	DATE - 10/04/2021	REVISED -

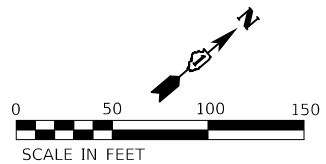
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - STAGE 2 (US RTE 30)  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

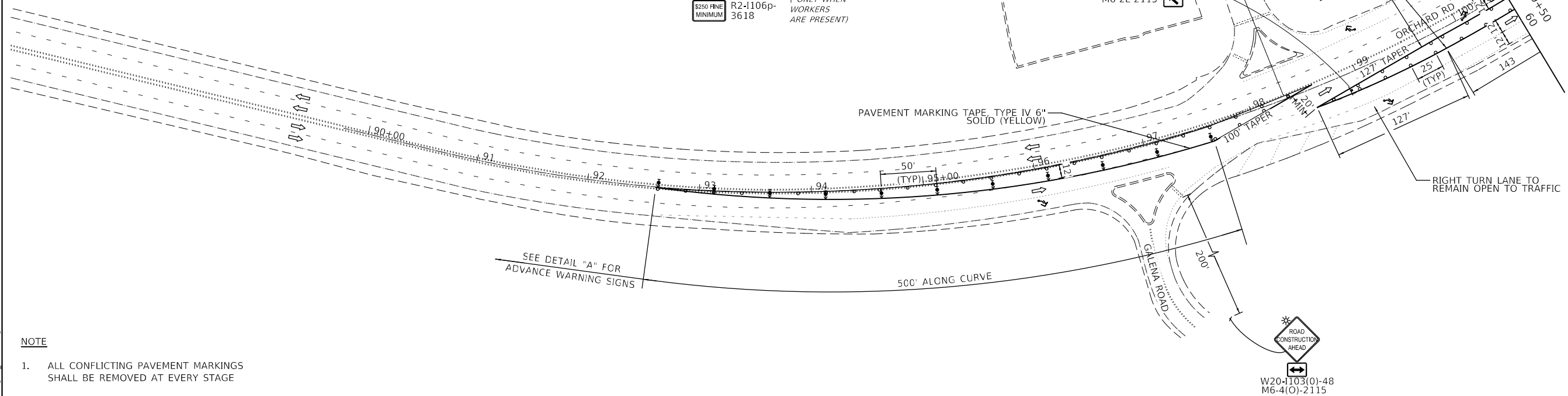
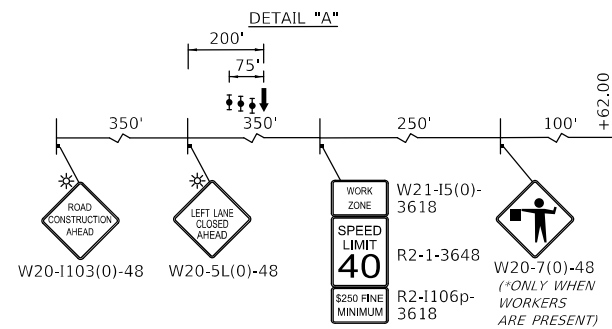
SCALE: 1" = 50'    SHEET 7 OF 9 SHEETS    STA. 8 TO STA. 10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	58
				CONTRACT NO. 61H49
ILLINOIS FED. AID PROJECT 9351746				





LEGEND	
	WORKZONE
	SIGN
	TYPE II BARRICADE OR DRUM
	EX. PAVEMENT MARKING SYMBOLS
	FLAGGER WITH TRAFFIC CONTROL SIGN
	ARROW BOARD
	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	LANE OPEN TO TRAFFIC



**NOTE**  
 1. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AT EVERY STAGE

MODEL: D:\p\11\180287 - OrchardRoad\Stage3\03-Orchard.dgn  
 FILE NAME: 21-03-180287 - OrchardRoad\Stage3\03-Orchard.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

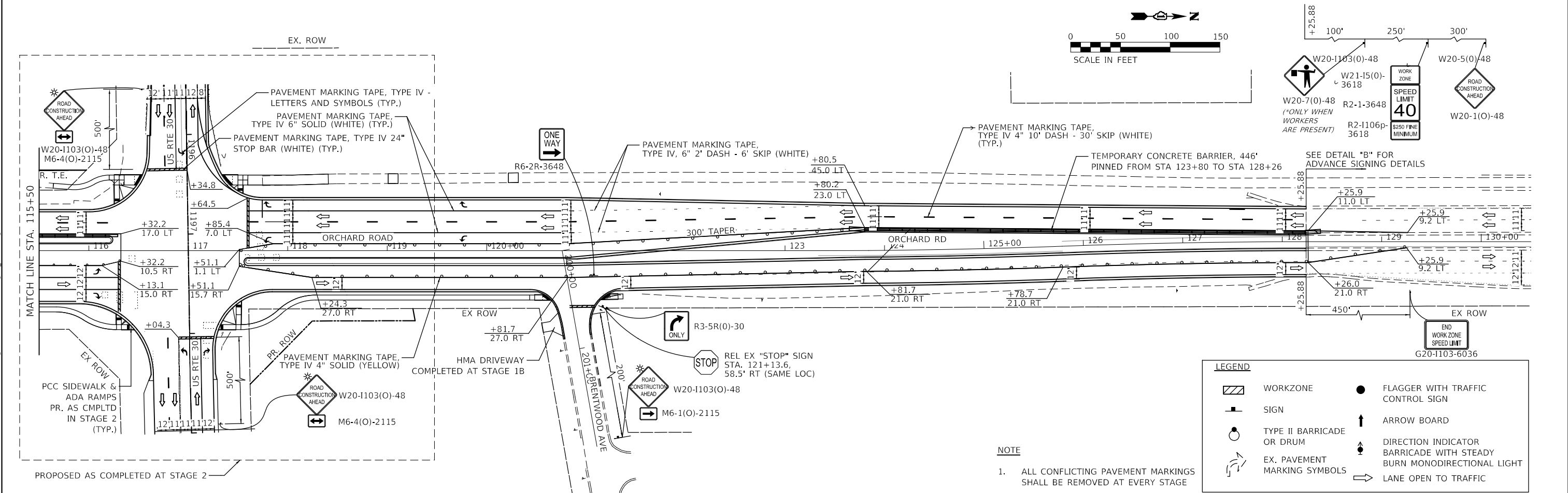
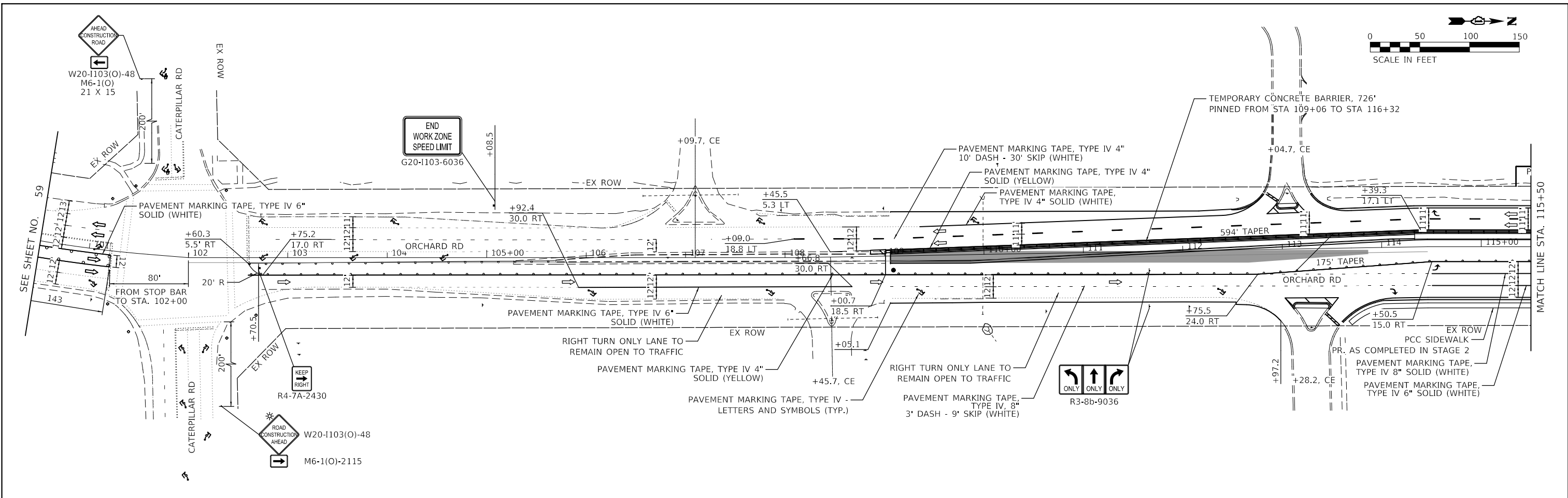
USER NAME = awuellner	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
PLOT SCALE = 1:100	DRAWN - KON	REV. - 10/18/2021	REV. - 11/15/2021
PLOT DATE = 11/17/2021	CHECKED - KAC	REV. - 10/27/2021	REV. - 11/17/2021
	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - STAGE 3  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 50'    SHEET 9 OF 10 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	59
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



**NOTE**  
 1. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AT EVERY STAGE

LEGEND	
	WORKZONE
	SIGN
	TYPE II BARRICADE OR DRUM
	EX. PAVEMENT MARKING SYMBOLS
	FLAGGER WITH TRAFFIC CONTROL SIGN
	ARROW BOARD
	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	LANE OPEN TO TRAFFIC

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KON	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - KON	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - KAC	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC PLAN - STAGE 3</b>	
<b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>	
SCALE: 1" = 50'	SHEET 10 OF 10 SHEETS
STA. TO STA.	

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 60
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

MODEL: D:\mft\...  
 FILE: M:\E:\2023\11\18\2023\_OrchardRoadStage3\30-OrchardRoadStage3\_3-OrchardRoad.dgn

**EROSION CONTROL INSPECTION**

ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAIN EVENT.

**WINTER SHUT DOWN**

A WINTER SHUT DOWN IS NOT ANTICIPATED FOR THIS PROJECT. IN THE EVENT THAT UNAVOIDABLE CIRCUMSTANCES REQUIRE A WINTER SHUT DOWN, THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING AND/OR TEMPORARY EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS TEMPORARY EROSION CONTROL BLANKET.

**TEMPORARY DITCH CHECKS**

TEMPORARY DITCH CHECKS WILL BE REQUIRED AT THOSE LOCATIONS WHERE THE CONTRACTORS OPERATIONS REQUIRE TEMPORARY OR PERMANENT DITCHES. THE LOCATION OF TEMPORARY DITCH CHECKS ARE SHOWN ON THE PLANS. THE EXACT LOCATION MAY REQUIRE FIELD ADJUSTMENT AND WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER. TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED FROM ROLLED EXCELSIOR LOGS AND OTHERWISE AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

**PERIMETER EROSION BARRIER**

PERIMETER EROSION BARRIER SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS. THE PERIMETER EROSION BARRIER SHALL BE CONSTRUCTED FROM SILT FILTER FENCE AS DETAILED ON IDOT HIGHWAY STANDARD 280001 AND OTHERWISE AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

**STOCK PILE LOCATIONS AND PROTECTING STOCK PILE AREAS**

STOCKPILES SHOULD NOT BE PLACED IN OR NEAR CRITICAL AREAS, OR AREAS THAT HAVE HIGH POTENTIAL FOR CONTRIBUTING SEDIMENTS TO STORMWATER FACILITIES. CONTRACTOR MAY OPT TO STOCKPILE MATERIAL. STAGING OF THE PROJECT IS AT THE DISCRETION OF THE CONTRACTOR AND COORDINATION OF STOCK PILES WILL BE WITH KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) AND THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD). STOCKPILES OF SOIL AND OTHER CONSTRUCTION MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER EROSION BARRIER). STOCKPILES NOT BEING ACTIVELY WORKED AND TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING.

**STABILIZED CONSTRUCTION AREA**

STABILIZATION OF THE CONSTRUCTION AREA SHOULD TAKE PLACE AT THE END OF EACH WORK DAY.

**WORK IN FLOWING WATER**

NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS.

**DEWATERING**

IF DEWATERING OF THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY KDSWCD. ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES, AND SHOULD BE PLACED ON LEVEL GROUND. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING DISCHARGED FROM THE WORK AREA. THE DISCHARGE POINT SHALL BE DESIGNED SUCH THAT IT DOES NOT CAUSE EROSION. DEWATERING FOR ALL CONSTRUCTION OPERATIONS WILL NOT BE MEASURED SEPERATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE RELATED WORK ITEM REQUIRING DEWATERING. DEWATERING WILL INCLUDE MEANS, METHODS AND ALL MATERIALS TO DEWATER AND TO PROVIDE FILTRATION OF WATERS BEFORE DISCHARGE.

**KEEPING PAVEMENTS CLEAN**

THE CONTRACTOR WILL KEEP ALL PERMANENT PAVEMENT SURFACES CLEAN OF DIRT OR CONSTRUCTION DEBRIS. THE PAVEMENT SHALL BE CLEANED AT THE END OF EACH DAYS OPERATION OR MORE FREQUENTLY AS REQUIRED BY THE ENGINEER IF THE DEBRIS IS DEEMED TO BE A HAZARD TO THE MOTORING PUBLIC.

**STABILIZED CONSTRUCTION ENTRANCE**

A STABILIZED CONSTRUCTION ENTRANCE IS NOT ANTICIPATED FOR THIS PROJECT.

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING				A		*	*	A				
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C									
EROSION CONTROL	D											

A. CLASS 2A  
C. TEMPORARY SEEDING (SPRING OATS, WINTER WHEAT)

B. INCREASE SEEDING RATES BY 25% WHEN DORMANT SEEDING (NOT ANTICIPATED)  
D. EROSION CONTROL BLANKET (PERMANENT SEED AREAS ONLY)

\* IRRIGATION MAY BE NEEDED DURING JUNE AND JULY (INCLUDED IN SEEDING)

NOTE: SEEDING TO BE COMPLETED PER REQUIREMENTS OF SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES AND THE SPECIAL PROVISIONS.

**GENERAL NOTES**

- A) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- B) THE KDSWCD MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- C) A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- D) 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 TO THE OWNER FOR REVIEW BY THE KDSWCD.
- E) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- F) DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES, OR BLACKBERRY CREEK IS PROHIBITED.
- G) IT IS THE RESPONSIBILITY OF THE OWNER AND/OR 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 AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.
- H) WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN SEVEN (7) DAYS OF COMPLETION. WHERE WORK HAS TEMPORARILY CEASED FOR FOURTEEN (14) DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE SEVENTH DAY AFTER WORK HAS CEASED.
- I) THE CONTRACTOR IS RESPONSIBLE FOR INDICATING THE CURRENT LOCATION OF THE CONCRETE WASHOUT AND ANY MODIFICATIONS TO THE LOCATIONS OR DETAILS OF EROSION AND SEDIMENT CONTROLS ON THESE PLANS.

MODEL: D:\cadd\180287 - OrchardRoad\atRoute30\cadd\Civil\Drawings\180287-ER04.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

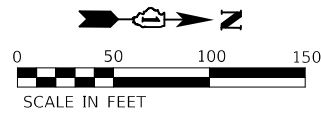
USER NAME = awuellner	DESIGNED - JLB	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION & SEDIMENT CONTROL NOTES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

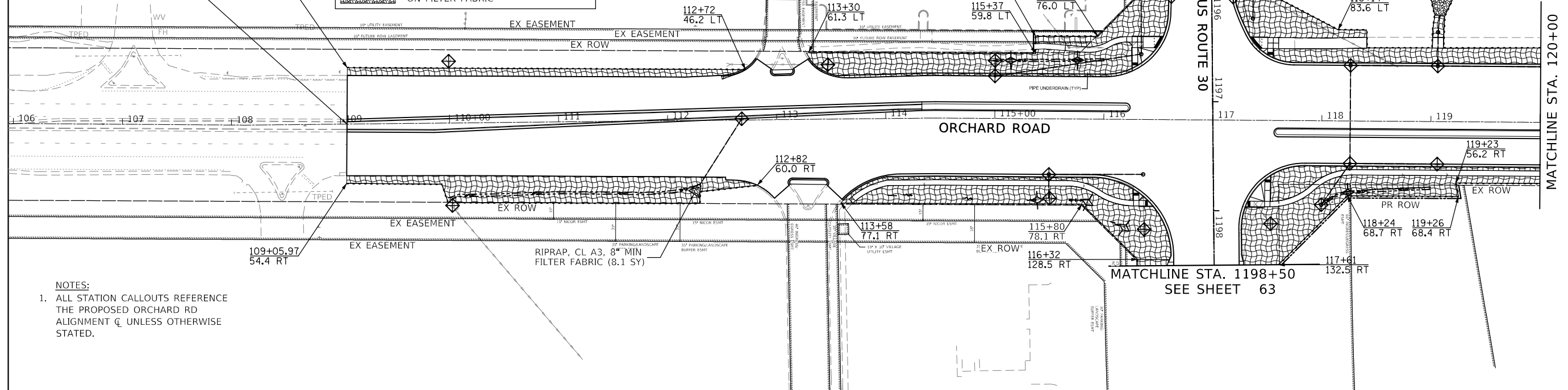
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	61
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



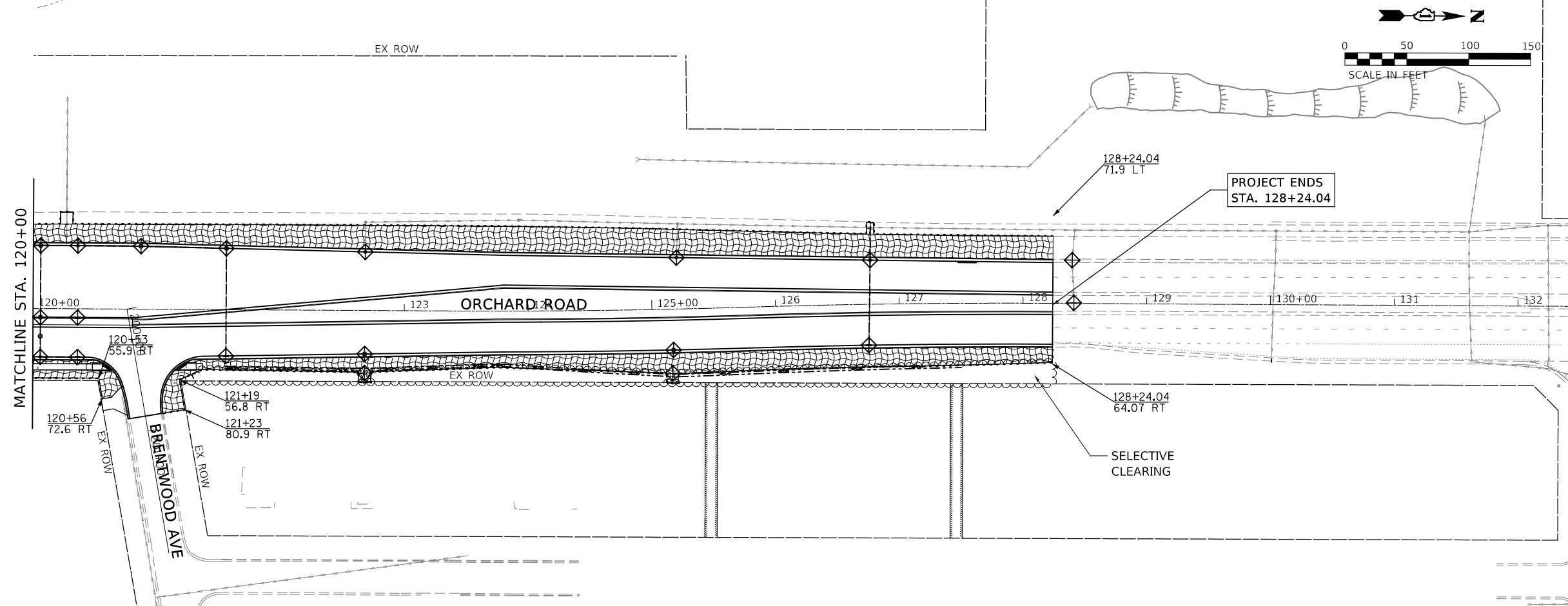
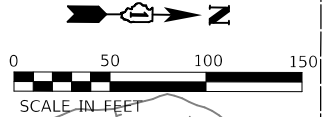
**LEGEND**

	INLET FILTER
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER
	TOPSOIL, FURNISH & PLACE, 4" SEEDING, CLASS 2A W/ FERTILIZER EROSION CONTROL BLANKET
	RIPRAP (SIZE & THICKNESS SPECIFIED) ON FILTER FABRIC

PROJECT BEGINS STA. 109+05.97



**NOTES:**  
1. ALL STATION CALLOUTS REFERENCE THE PROPOSED ORCHARD RD ALIGNMENT  $\bar{C}$  UNLESS OTHERWISE STATED.



PROJECT ENDS STA. 128+24.04

MODEL: D:\dwg\11180287\_OrchardRoad\Borad\Borad30\cad\11180287-ERO-02\_Orchard.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - JLB	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - JLB	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - KAC	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

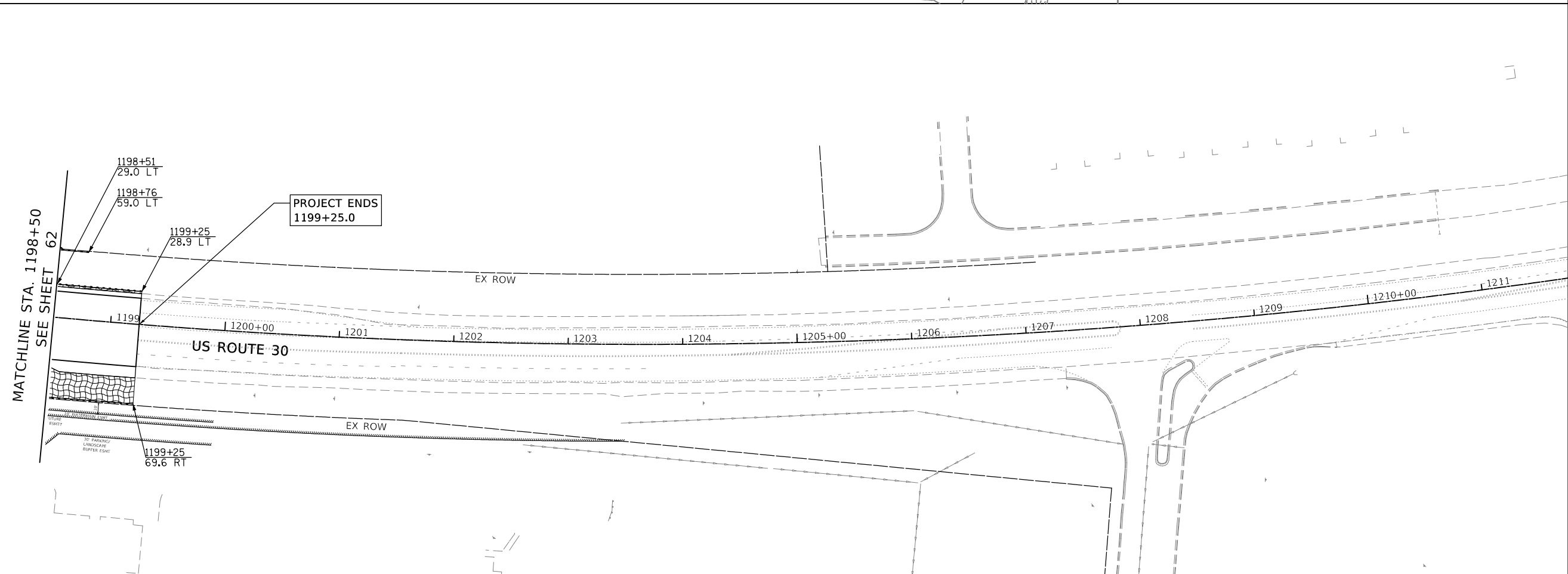
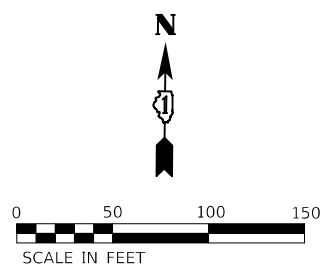
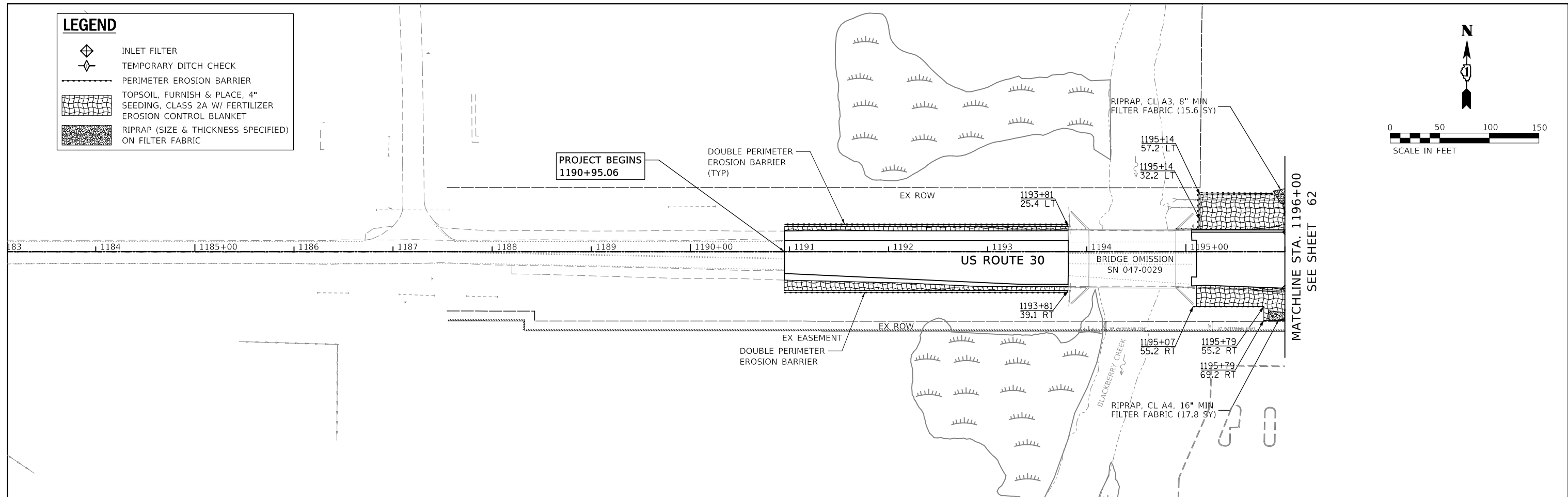
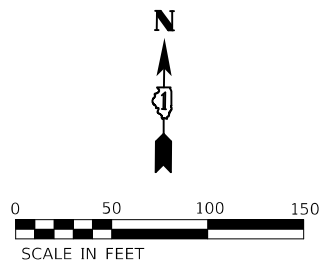
**EROSION & SEDIMENT CONTROL PLAN**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA. 109+05.97 TO STA. 128+24.04

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	62
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**LEGEND**

-  INLET FILTER
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TOPSOIL, FURNISH & PLACE, 4"  
SEEDING, CLASS 2A W/ FERTILIZER  
EROSION CONTROL BLANKET
-  RIPRAP (SIZE & THICKNESS SPECIFIED)  
ON FILTER FABRIC



MODEL Dwg.rvt  
 FILE NAME: 202101180287\_OrchardRoadatRoute30.cad.ctb\\C:\Users\jlb\OneDrive\Documents\180287-ERO-03\_US30.dgn


**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - JLB	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - JLB	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - KAC	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

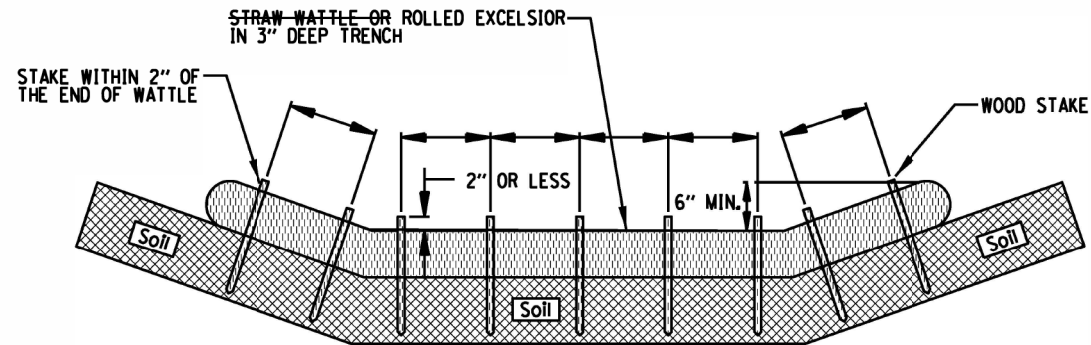
**EROSION & SEDIMENT CONTROL PLAN**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 50'    SHEET 2 OF 2 SHEETS    STA. 1190+95.06 TO STA. 1200+63.64

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	63
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

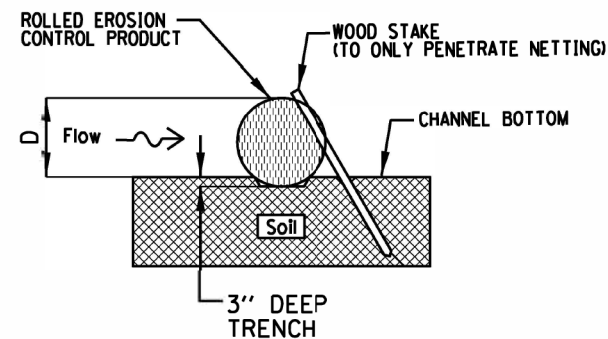
# ROLLED EROSION CONTROL PRODUCTS

## STAKING PATTERN GUIDE



- NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
  2. ~~4' SPACING FOR WATTLES.~~
  3. 2' SPACING FOR ROLLED EXCELSIOR.
  4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

## STAKE DETAIL



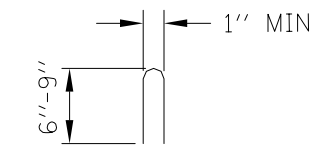
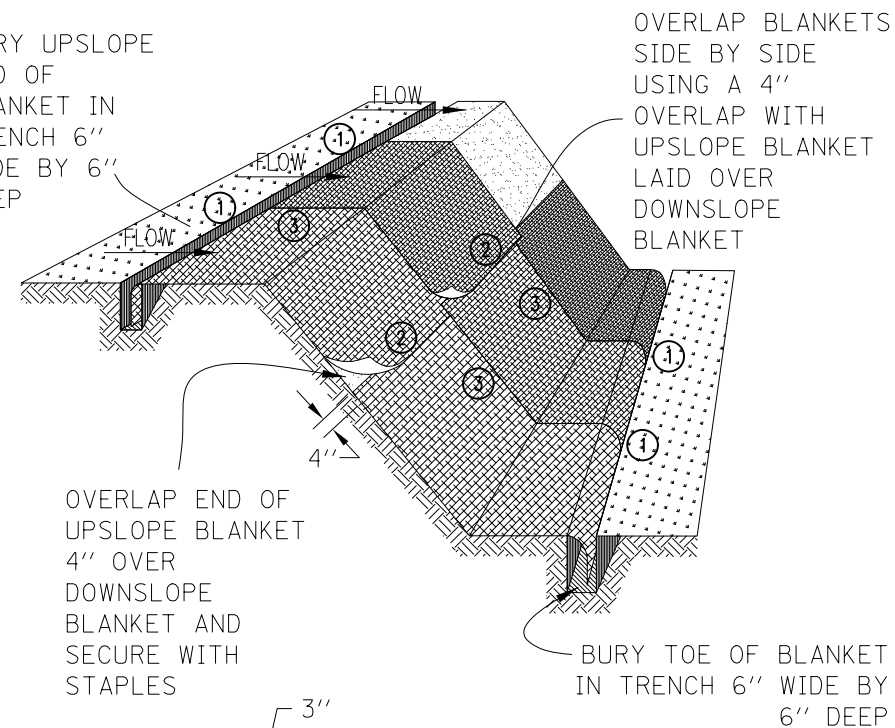
- NOTES:
1. DRAWINGS ARE NOT TO SCALE.
  2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
  3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
  4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
  5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____

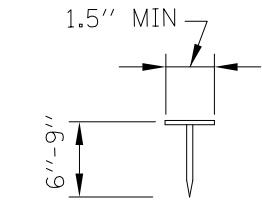


STANDARD DWG. NO.  
IUM-514  
SHEET 1 OF 1  
DATE 08-2-2019

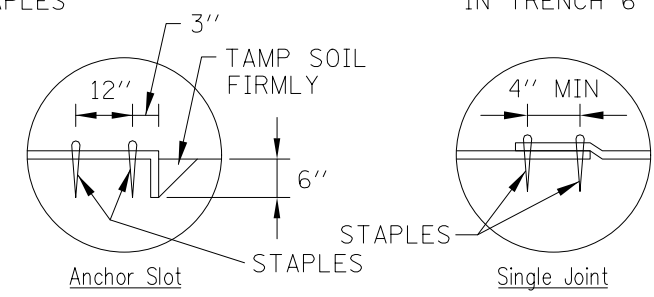
BURY UPSLOPE END OF BLANKET IN TRENCH 6" WIDE BY 6" DEEP



## STAPLE DETAIL



## PUSH PIN DETAIL



## DETAIL 1

## DETAIL 2

## DETAIL 3

## NOTES:

1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL
2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6")
3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

# EROSION CONTROL BLANKET INSTALLATION DETAILS

MODEL: D:\dwg\17-00488-00-CH-17-00488-00-CH-17-00488-00-CH-17-00488-00-CH.dwg



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

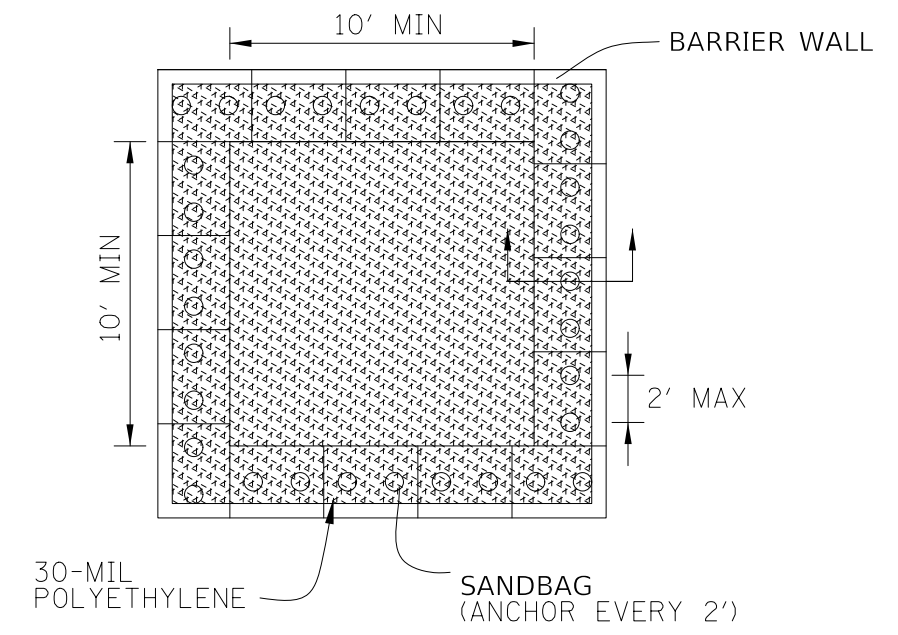
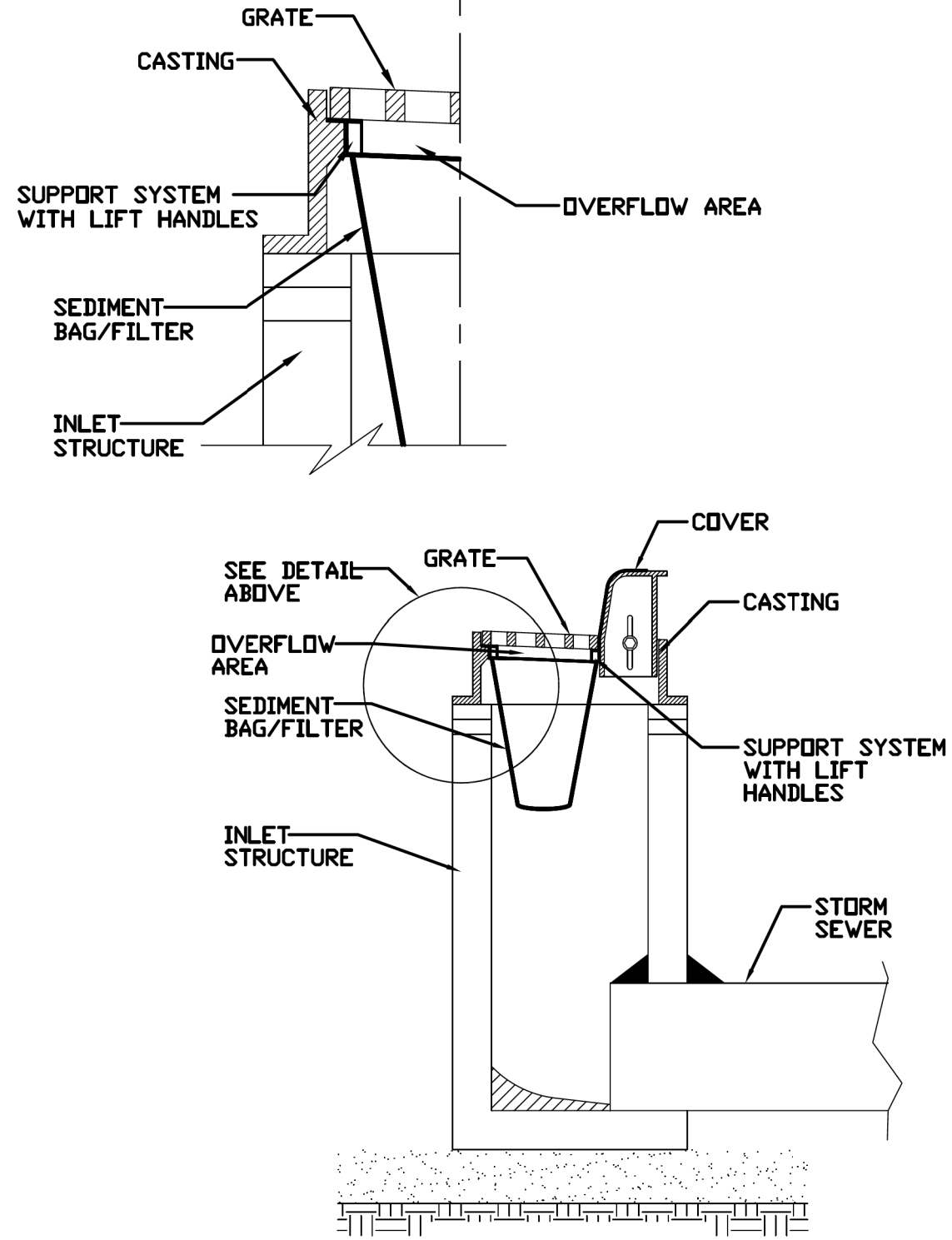
USER NAME =	awuellner	DESIGNED -	JLB	REV. -	10/11/2021	REV. -	11/10/2021
		DRAWN -	VLM	REV. -	10/18/2021	REV. -	11/15/2021
PLOT SCALE =	1:2	CHECKED -	YOO	REV. -	10/27/2021	REV. -	11/17/2021
PLOT DATE =	11/17/2021	DATE -	10/04/2021	REV. -	11/03/2021	REV. -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

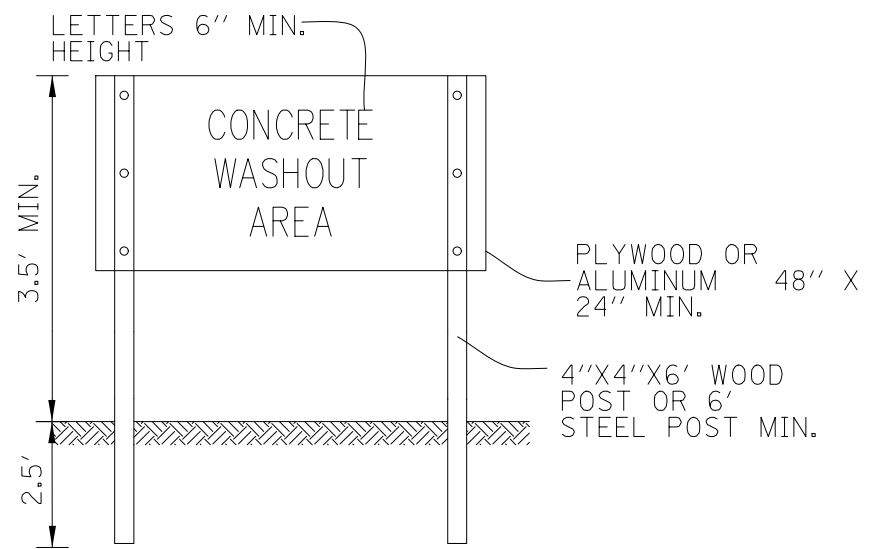
EROSION & SEDIMENT CONTROL DETAILS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION  
SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	64
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

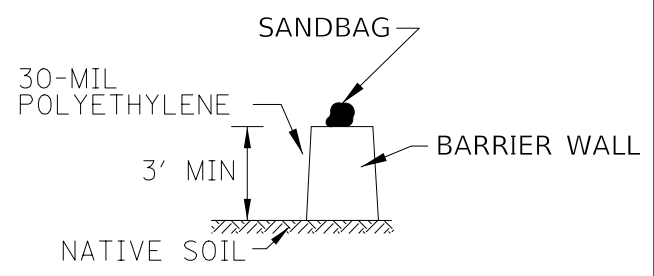
# INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



PLAN VIEW



SIGN DETAIL



SANDBAG ANCHOR  
BARRIER WALL ANCHOR  
SECTIONS

NOTES:

1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

## TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL

REFERENCE	Project _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.  
**IUM-561D**  
SHEET 1 OF 1  
DATE 01-11-11

MODEL: D:\p\11180287\_OrchardRoadatRoute30\cadd\IUM-561D.dwg; 11/17/2021 10:05:05 AM; FILE NAME: 20210111180287\_OrchardRoadatRoute30\cadd\IUM-561D.dwg



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - JLB	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION & SEDIMENT CONTROL DETAILS	
ORCHARD ROAD AT US ROUTE 30 INTERSECTION	
SCALE: NTS	SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	65
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

## DRAINAGE PIPE TABLE

PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA (IN)	UPSTREAM		DOWNSTREAM		SLOPE (%)	TBF (CY)
							INV DIRECTION	INVERT	INV DIRECTION	INVERT		
P100	S110	S100	RCP	STM SEWER CL A TY 2 36	15.2	36	E	655.03	W	655.00	0.20	0.0
P101	S130	S111	RCP	STM SEWER CL A TY 2 36	100.0	36	N	658.49	S	658.29	0.20	119.0
P103	S140	S130	RCP	STM SEWER CL A TY 2 36	58.0	36	E	658.61	W	658.49	0.20	70.1
P104	S145	S140	RCP	STM SEWER CL A TY 2 36	15.3	36	E	658.64	W	658.61	0.20	19.4
P105	S161	S131	RCP	STM SEWER CL A TY 2 12	51.0	12	N	661.26	S	660.75	1.00	19.3
P106	S171	S161	RCP	STM SEWER CL A TY 2 12	69.0	12	N	661.95	S	661.26	1.00	22.8
P108	S172	S171	RCP	STM SEWER CL A TY 2 12	87.0	12	E	662.82	W	661.95	1.00	23.5
P109	S181	S111	RCP	STM SEWER CL A TY 2 36	80.0	36	S	656.73	N	656.57	0.20	138.5
P111	S182	S181	RCP	STM SEWER CL A TY 2 36	90.0	36	E	656.91	W	656.73	0.20	151.1
P112	S183	S182	RCP	STM SEWER CL A TY 2 30	46.0	30	E	658.76	W	658.41	0.76	14.4
P113	S111	S110	RCP	STM SEWER CL A TY 2 36	31.0	36	E	656.57	W	656.51	0.20	45.9
P114	S131	S130	RCP	STM SEWER CL A TY 2 12	30.0	12	N	660.75	S	660.45	1.00	12.6
P115	S132	S140	RCP	STM SEWER CL A TY 2 12	30.0	12	N	663.11	S	662.81	1.00	7.6
P116	S150	S145	RCP	STM SEWER CL A TY 2 15	16.7	15	E	662.08	W	661.91	1.00	5.5
P117	S133	S150	RCP	STM SEWER CL A TY 2 12	30.0	12	N	662.63	S	662.33	1.00	7.6
P118	S184	S182	RCP	STM SEWER CL A TY 2 12	80.0	12	N	662.95	S	662.15	1.00	20.6
P200	S201	S200	RCP	STM SEWER CL A TY 2 24	52.0	24	E	660.15	W	659.89	0.50	20.5
P201	S203	S201	WM REQ	STM SEWER (WM REQ) 15	135.6	15	S	661.46	N	660.51	0.70	22.8
P202	S202	S203	RCP	STM SEWER CL A TY 2 12	14.0	12	W	661.85	E	661.71	1.00	1.1
P210	S210	S211	RCP	STM SEWER CL A TY 2 12	71.9	12	W	662.16	E	661.80	0.50	15.7
P300	S300	S301	RCP	STM SEWER CL A TY 2 12	18.6	12	S	660.72	N	660.16	3.00	3.0
P301	S301	S302	RCP	STM SEWER CL A TY 2 18	11.2	18	S	659.66	N	659.60	0.50	0.0
P302	S303	S301	RCP	STM SEWER CL A TY 2 18	23.5	18	E	659.78	W	659.66	0.50	0.0
P400	S401	S400	RCP	STM SEWER CL A TY 2 12	23.2	12	N	661.20	S	660.50	3.00	4.1
P500	S501	S500	RCP	STM SEWER CL A TY 2 12	86.5	12	S	662.65	N	660.78	2.17	7.4
P501	S502	S501	RCP	STM SEWER CL A TY 2 12	22.0	12	E	662.87	W	662.65	1.00	0.0
P700	S701	EXISTING MH	RCP	STM SEWER CL A TY 2 12	26.4	12	E	662.68	W	662.42	1.00	1.6
P701	S702	S701	RCP	STM SEWER CL A TY 2 12	68.7	12	E	663.37	W	662.68	1.00	22.3

## DRAINAGE STRUCTURE TABLE

STRUCTURE ID	STATION	OFFSET	TYPE	FRAME AND GRATE	RIM **	N INV	E INV	S INV	W INV
S110	119+06.0	82.0 LT	MH TY A 5 DIA	TY 1 FRAME, CL	664.02		656.51		655.03
S111	119+06.0	51.0 LT	MH TY A 7 DIA	FRAME & GRATE TY 24	665.65	658.29		656.57	656.57
S130	120+06.0	51.0 LT	MH TY A 7 DIA	FRAME & GRATE TY 24	665.35	660.45	658.49	658.49	
S131	120+36.0	51.0 LT	CB TY A 4 DIA	FRAME & GRATE TY 24	665.33	660.75		660.75	
S132	120+36.0	7.0 RT	INLET TY A	FRAME & GRATE TY 12	666.11			663.11	
S133	120+36.0	39.0 RT	INLET TY A	FRAME & GRATE TY 24	665.63			662.63	
S140	120+06.0	7.0 RT	MH TY A 5 DIA	FRAME & GRATE TY 12	666.13	662.81	658.61		658.61
S145	120+06.0	22.3 RT	MH TY A 5 DIA	TY 1 FRAME, CL	665.98	659.14 (EX)	661.91		658.64
S150	120+06.0	39.0 RT	CB TY A 4 DIA	FRAME & GRATE TY 24	665.65	662.33			662.08
S161	120+87.0	50.9 LT	MH TY A 4 DIA	FRAME & GRATE TY 24	665.39	661.26		661.26	
S171	121+56.0	49.5 LT	MH TY A 4 DIA	FRAME & GRATE TY 24	665.60		661.95	661.95	
S172	121+56.0	37.5 RT	INLET TY A	FRAME & GRATE TY 24	665.82				662.82
S181	118+26.0	51.0 LT	MH TY A 7 DIA	FRAME & GRATE TY 24	666.26	656.73	656.73		
S182	118+26.0	39.0 RT	MH TY A 5 DIA	FRAME & GRATE TY 24	665.56	662.15	658.41		656.91
S183	118+00.0	77.0 RT	MH TY A 5 DIA	TY 8 GRATE	663.28				658.76
S184	119+06.0	39.0 RT	INLET TY A	FRAME & GRATE TY 24	665.95			662.95	
S200	116+33.4	112.0 LT	PRECAST FES 24				659.89		
S201	116+34.0	60.0 LT	MH TY A 6 DIA	TY 1 FRAME, CL	666.90		660.15 (EX)	660.51	660.15
S202	115+00.0	53.0 LT	INLET TY A	TY 8 GRATE	663.95		661.85		
S203	115+00.0	39.0 LT	CB TY A 4 DIA	FRAME & GRATE TY 24	665.78	661.46			661.71
S210	112+68.0	1.1 LT	INLET TY A	FRAME & GRATE TY 24	665.00		662.16		
S211	112+28.8	59.1 RT	PRECAST FES 12						661.80
S300	117+17.9	113.0 LT	INLET TY A	FRAME & GRATE TY 24	667.28	660.72			
S301	117+36.1	116.9 LT	MH TY A 4 DIA	TY 1 FRAME, CL	663.16	659.66	659.66	660.16	
S302	117+47.1	119.2 LT	PRECAST FES 18				659.60		
S303	117+36.1	93.4 LT	MH TY A 5 DIA	TY 1 FRAME, CL	663.28			659.71 (EX)	659.78
S400	116+38.2	116.0 LT	PRECAST FES 12			660.50			
S401	116+61.2	113.0 LT	INLET TY A	FRAME & GRATE TY 24	667.09			661.20	
S500	116+36	50.4 RT	MH TY A 4 DIA	TY 1 FRAME, CL	667.33			660.78	
S501	115+50.0	51.1 RT	MH TY A 4 DIA	FRAME & GRATE TY 24	666.04	662.65	662.65		
S502	115+50.0	73.0 RT	PRECAST FES 12						662.87
S504	122+68.2	47.3 LT	CB TY A 4 DIA	FRAME & GRATE TY 24	665.94		661.73 (EX)		661.73 (EX)
* S505	122+68.1	35.2 RT	MH TY A 4 DIA	FRAME & GRATE TY 24	666.05		662.32 (EX)		662.32 (EX)
S601	125+20.8	41.6 LT	CB TY A 4 DIA	FRAME & GRATE TY 24	666.55		660.04 (EX)		660.04 (EX)
S602	125+16.9	33.0 RT	MH TY A 4 DIA	FRAME & GRATE TY 24	666.55		660.12 (EX)		660.12 (EX)
S701	126+77.0	35.7 LT	CB TY A 4 DIA	FRAME & GRATE TY 24	666.87		662.68		662.68
S702	126+75.0	33.0 RT	INLET TY A	FRAME & GRATE TY 24	666.87				663.37

\* STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIAL PROVISION FOR "PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER". PAYMENT WILL BE MADE FOR STRUCTURE OF SPECIFIED TYPE AND SIZE IN ADDITION TO PAYMENT FOR "PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER".

\*\* ALL RIM GRADES DENOTES EDGE OF PAVEMENT ELEVATION.

MODEL: D:\p1\180287\_OrchardRoad\Borad\Borad\30\cadd\Clu\Draw\Sht1\180287-DRN101\_Orchard.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awueller	DESIGNED - RB	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - RB	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - JWW	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

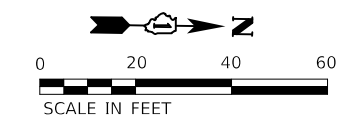
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SCHEDULES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

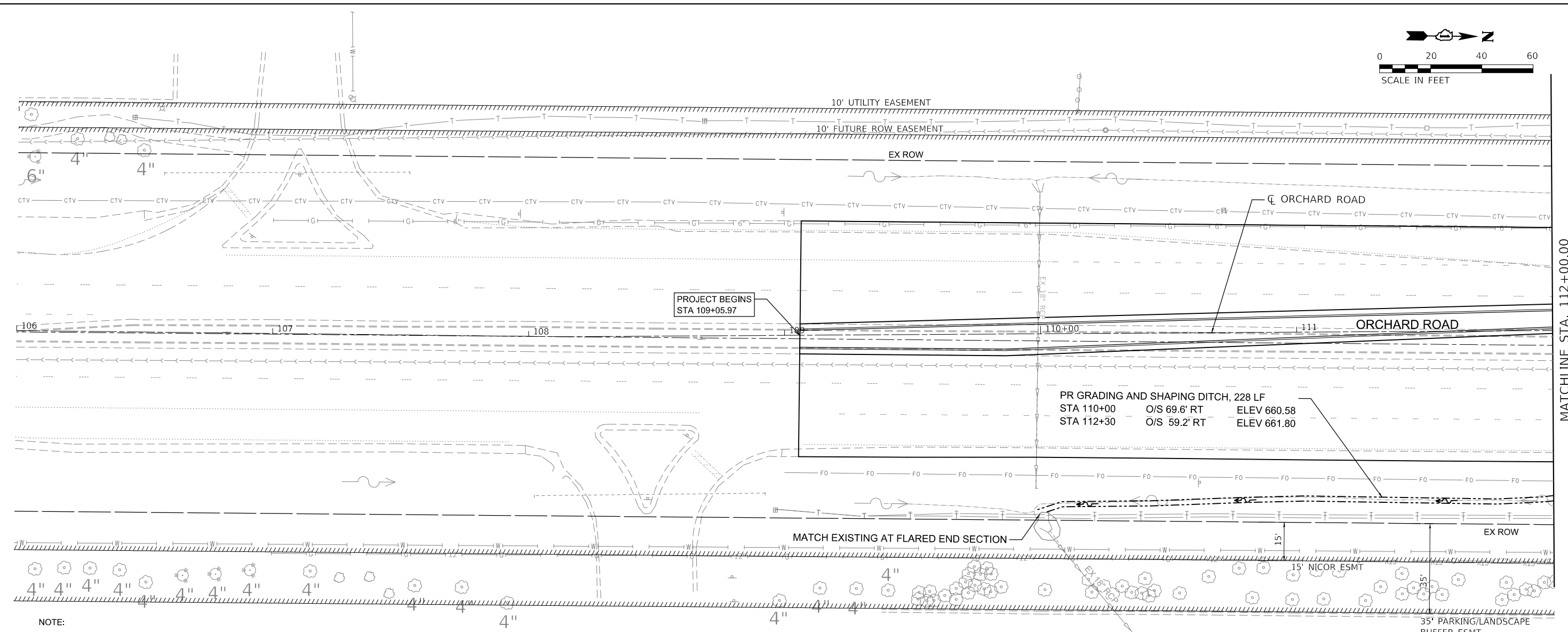
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	66
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				





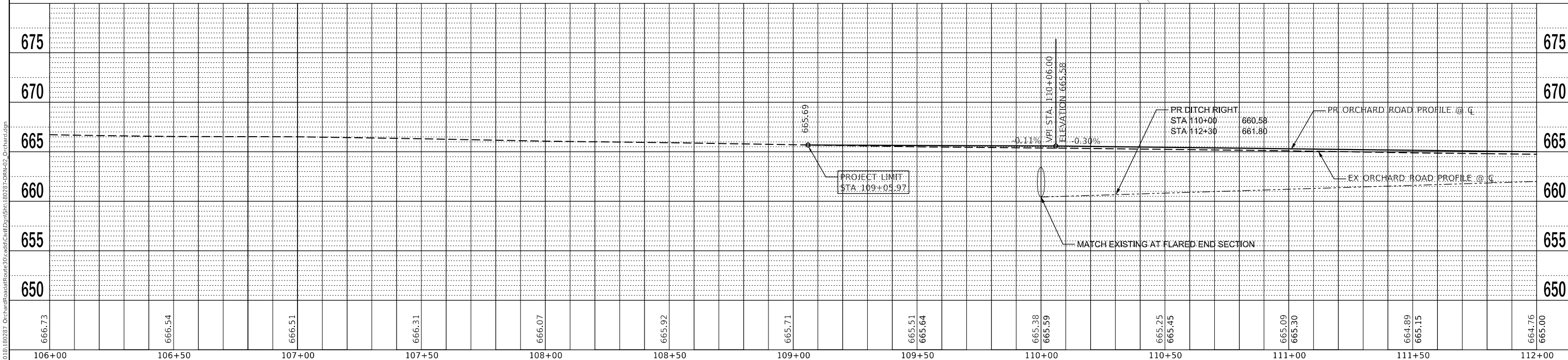
PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	



NOTE:  
1. SEE PIPE AND STRUCTURE TABLES ON PLAN SHEET 66

NOTE:  
1. SEE PI...



666.73	666.54	666.51	666.31	666.07	665.92	665.71	665.51	665.64	665.38	665.59	665.25	665.45	665.09	665.30	664.89	665.15	664.76	665.00
106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00	111+50	112+00						

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - RB	REVISED -10/11/2021
	DRAWN - RB	REVISED -10/18/2021
PLOT SCALE = 1:40	CHECKED - JWW	REVISED -10/27/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -11/03/2021

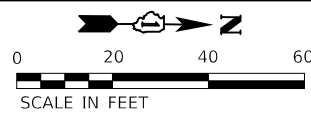
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITY PLAN & PROFILES**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 106+00.00 TO STA. 112+00.00

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 67
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 93511746	

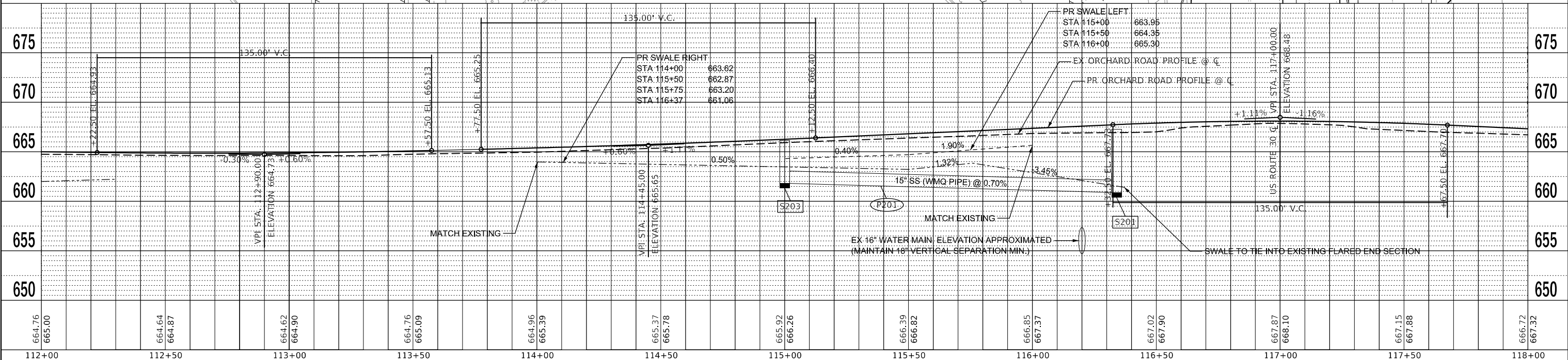
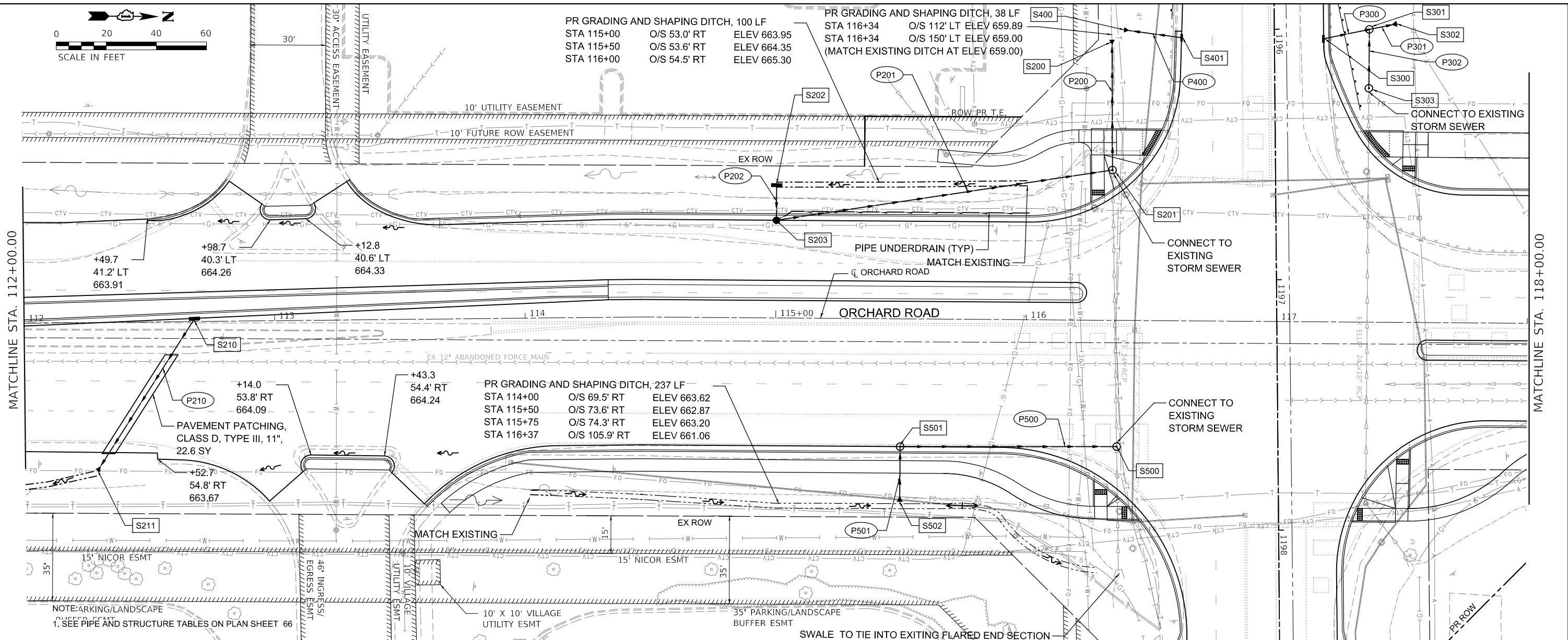
MODEL: Default  
FILE NAME: Z:\2021\11\18\287\_OrchardRoad\Profile30.dwg  
C:\Users\awuellner\OneDrive\Documents\180287-DRN-02\_Orchard.dgn

MATCHLINE STA. 112+00.00



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NOTE BOOK NO.		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NOTE BOOK NO.		
	CARD FILE NAME		



664.76	665.00	664.64	664.87	664.62	664.90	664.76	665.09	664.96	665.39	665.37	665.78	665.92	666.26	666.39	666.82	666.85	667.37	667.02	667.90	667.87	668.10	667.15	667.88	666.72	667.32	
112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00	117+50	118+00														

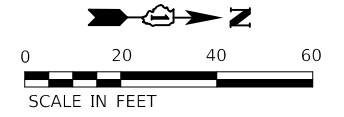


USER NAME = awuellner	DESIGNED - RB	REVISED -10/11/2021
	DRAWN - RB	REVISED -10/18/2021
PLOT SCALE = 1:40	CHECKED - JWW	REVISED -10/27/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -11/03/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

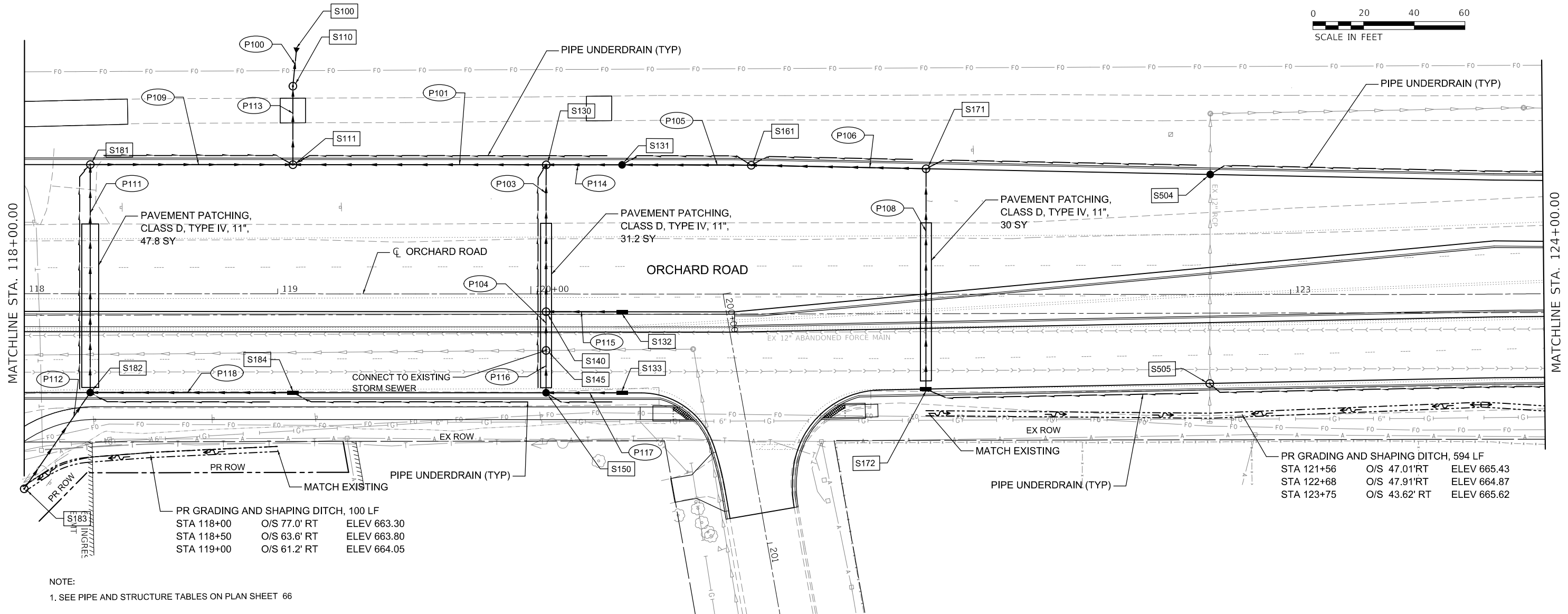
DRAINAGE & UTILITY PLAN & PROFILES	
ORCHARD ROAD AT US ROUTE 30 INTERSECTION	
SCALE: 1" = 20'	SHEET 3 OF 5 SHEETS
STA. 112+00.00	TO STA. 118+00.00

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 68
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 9351(746)	



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



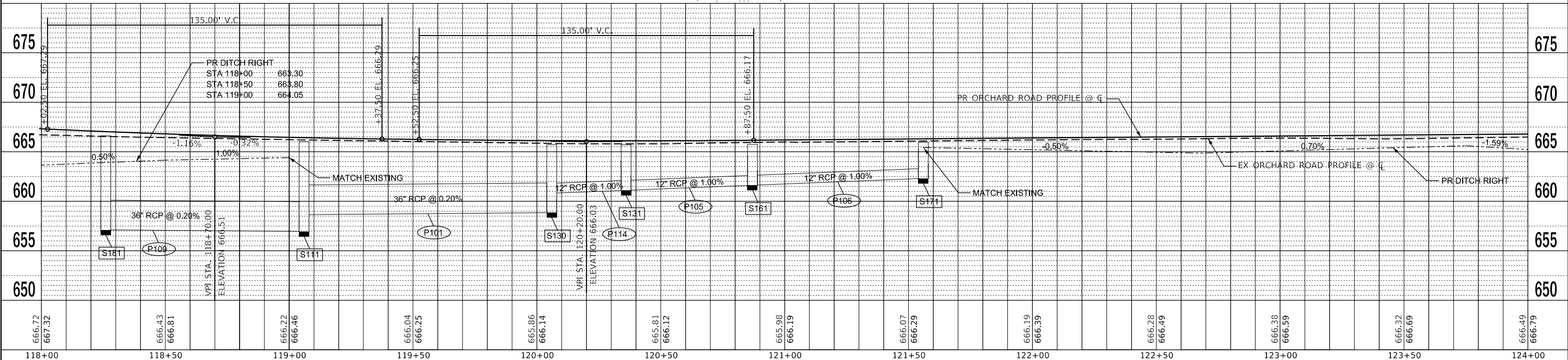
PR GRADING AND SHAPING DITCH, 100 LF

STA 118+00	O/S 77.0' RT	ELEV 663.30
STA 118+50	O/S 63.6' RT	ELEV 663.80
STA 119+00	O/S 61.2' RT	ELEV 664.05

PR GRADING AND SHAPING DITCH, 594 LF

STA 121+56	O/S 47.01' RT	ELEV 665.43
STA 122+68	O/S 47.91' RT	ELEV 664.87
STA 123+75	O/S 43.62' RT	ELEV 665.62

NOTE:  
1. SEE PIPE AND STRUCTURE TABLES ON PLAN SHEET 66



666.72	667.32	666.43	666.81	666.22	666.46	666.04	666.25	665.86	666.14	665.81	666.12	665.98	666.19	666.07	666.29	666.19	666.39	666.28	666.49	666.38	666.59	666.32	666.69	666.49	666.79	
118+00	118+50	119+00	119+50	120+00	120+50	121+00	121+50	122+00	122+50	123+00	123+50	124+00														

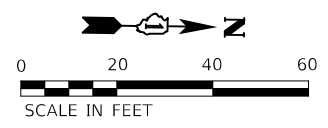
**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME =	awuellner
DESIGNED -	RB
REVISD -	-10/11/2021
DRAWN -	RB
REVISD -	-10/18/2021
CHECKED -	JWW
REVISD -	-10/27/2021
DATE -	10/04/2021
REVISD -	-11/03/2021

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

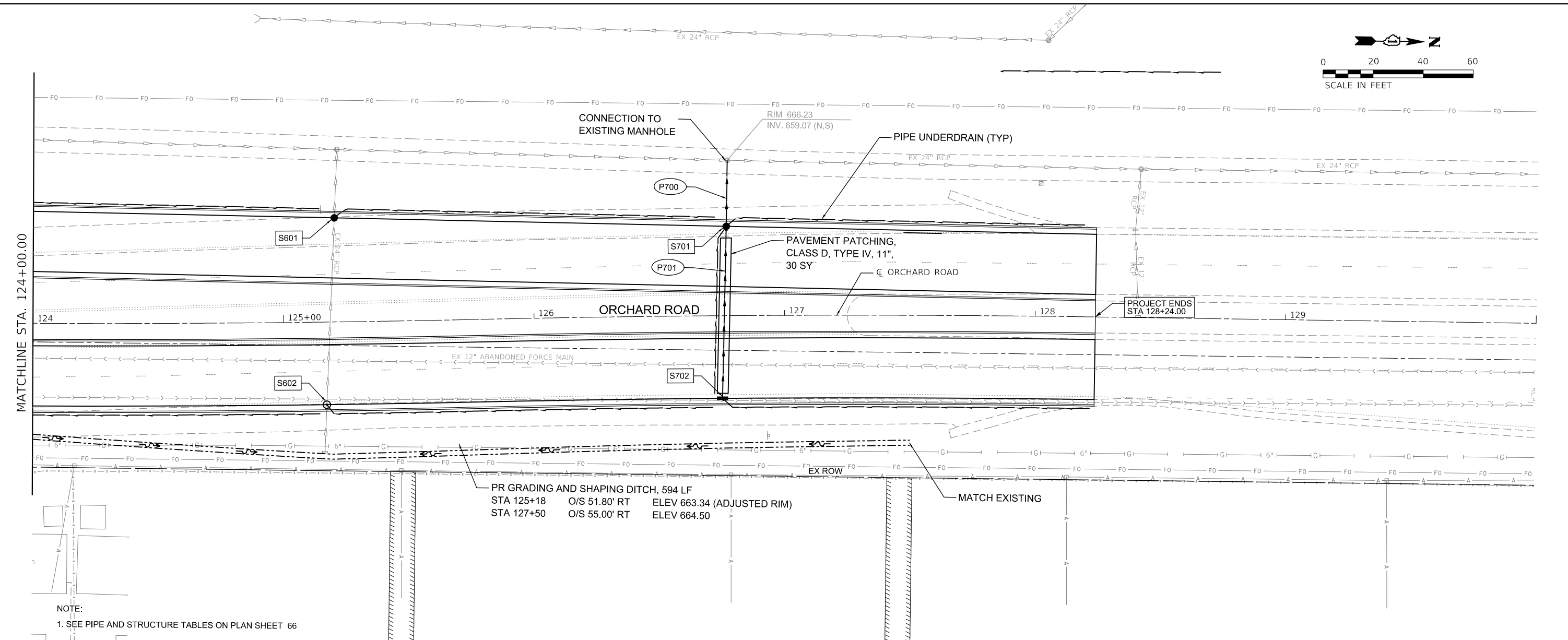
<b>DRAINAGE &amp; UTILITY PLAN &amp; PROFILES</b>			
<b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE: 1" = 20'	SHEET 4	OF 5 SHEETS	STA. 118+00.00 TO STA. 124+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	69
CONTRACT NO. 61H49				ILLINOIS FED. AID PROJECT 9351(746)



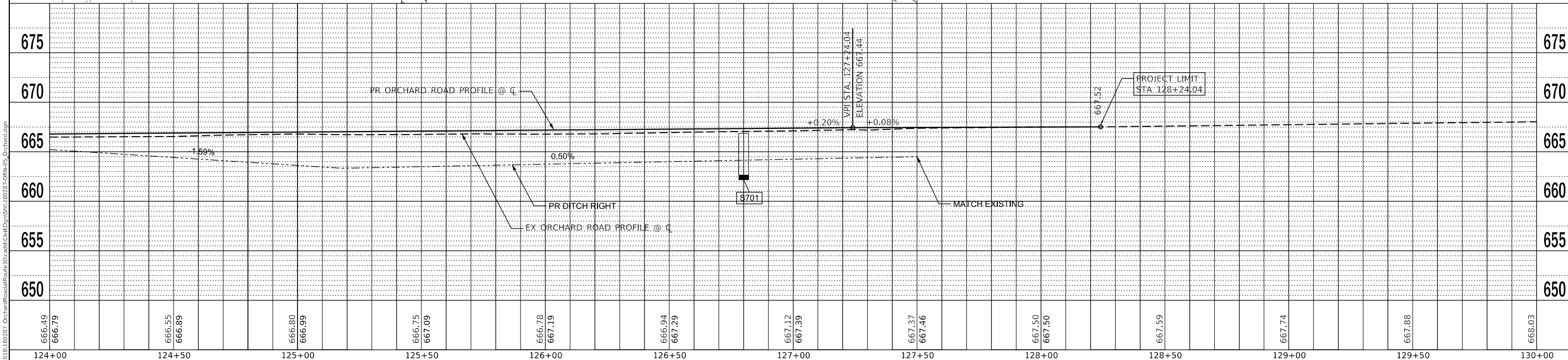
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



PR GRADING AND SHAPING DITCH, 594 LF  
 STA 125+18 O/S 51.80' RT ELEV 663.34 (ADJUSTED RIM)  
 STA 127+50 O/S 55.00' RT ELEV 664.50

NOTE:  
 1. SEE PIPE AND STRUCTURE TABLES ON PLAN SHEET 66



666.49	666.79	666.55	666.89	666.80	666.99	666.75	667.09	666.78	667.19	666.94	667.29	667.12	667.39	667.37	667.46	667.50	667.50	667.59	667.74	667.88	668.03	
124+00	124+50	125+00	125+50	126+00	126+50	127+00	127+50	128+00	128+50	129+00	129+50	130+00										

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - RB	REVISED -10/11/2021
	DRAWN - RB	REVISED -10/18/2021
PLOT SCALE = 1:40	CHECKED - JWW	REVISED -10/27/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -11/03/2021

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITY PLAN & PROFILES**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 20' SHEET 5 OF 5 SHEETS STA. 124+00.00 TO STA. 130+00.00

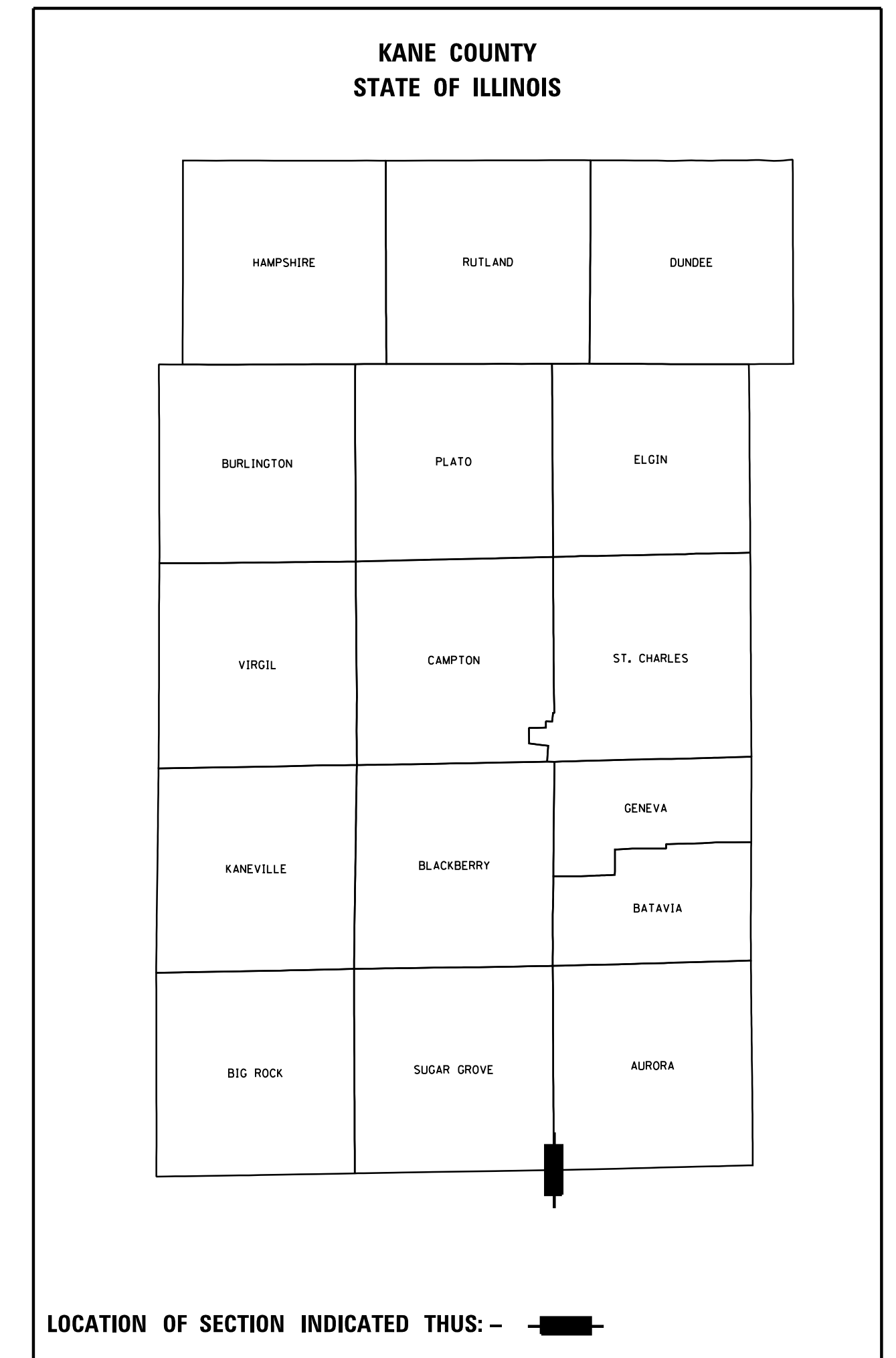
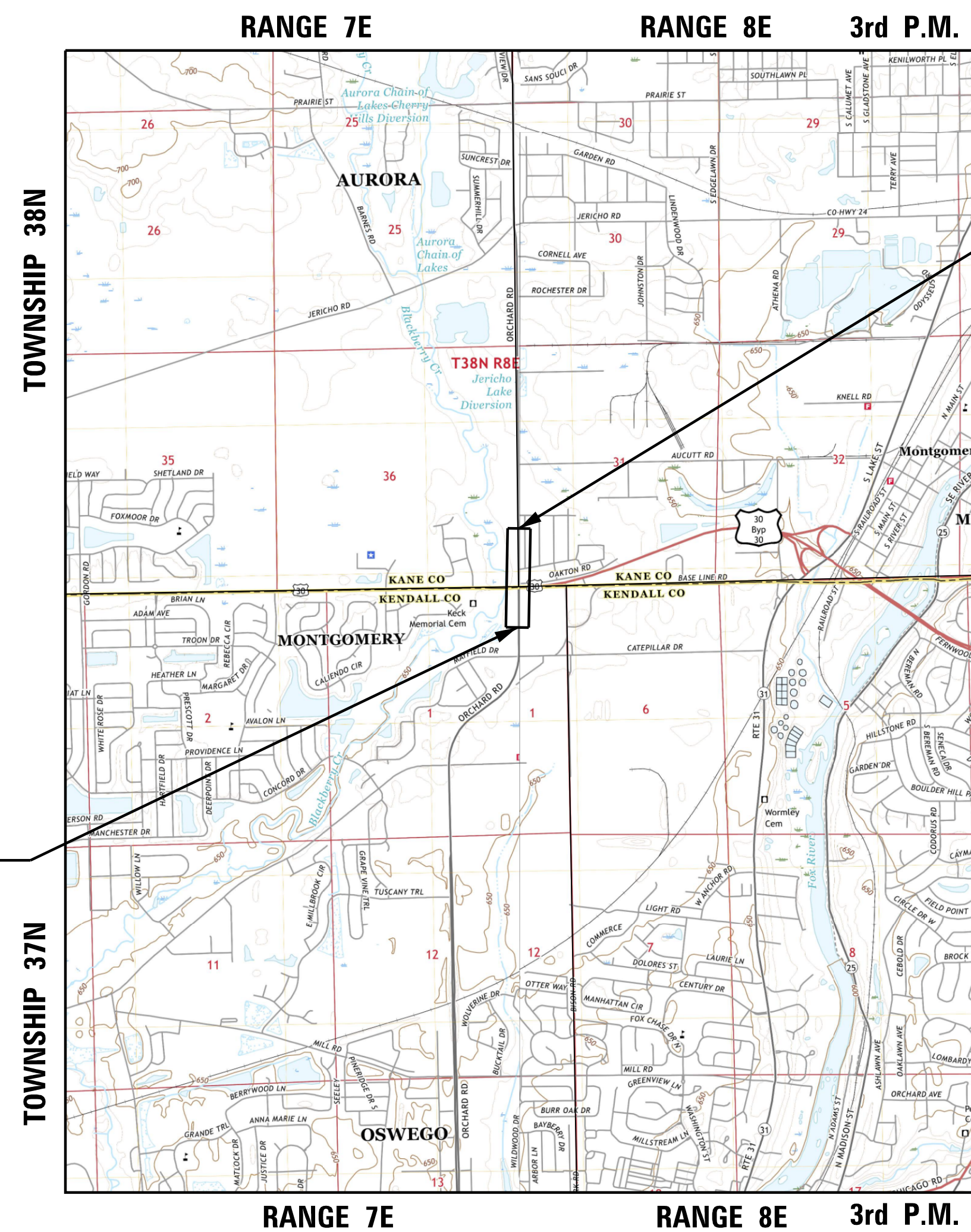
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 70
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

MODEL: Default; FILE NAME: Z:\3201\181180287\_OrchardRoadAtRoute30\cadd\Chil\Drawn\Sheet\180287-DRN-05\_Orchard.dgn



# KANE COUNTY DIVISION OF TRANSPORTATION PLAT OF HIGHWAYS

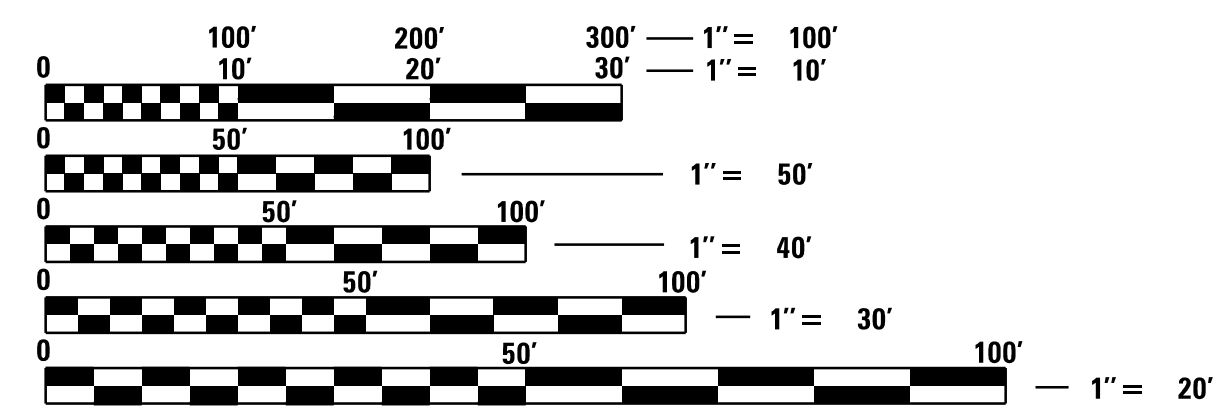
## ILLINOIS ROUTE 30 INTERSECTION WITH ORCHARD ROAD SECTION 17-00488-00-CH



**KANE COUNTY  
DIVISION OF TRANSPORTATION**

APPROVED \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
CARL SCHOEDEL, PE, COUNTY ENGINEER, KANE COUNTY



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.

**PROJECT BEGINS  
STA. 109 + 06**

**PROJECT ENDS  
STA. 128 + 24**

**THE TOWNSHIP OF AURORA & THE VILLAGE OF MONTGOMERY**  
PROJECT NET AND GROSS LENGTH = 1918 FT (0.363 MILE)  
PROJECT LOCATED IN:  
PART OF SECTION 1, IN TOWNSHIP 37N, RANGE 7E OF THE 3RD PRINCIPAL MERIDIAN, IN THE VILLAGE OF MONTGOMERY, KENDALL COUNTY, ILLINOIS & PART OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 38N, RANG 8E OF THE THIRD PRINCIPAL MERIDIAN, IN THE TOWNSHIP OF AURORA, KANE COUNTY, ILLINOIS.

PLAT OF HIGHWAYS  
KANE COUNTY  
DIVISION OF TRANSPORTATION

SECTION: 17-00488-00-CH COUNTY: KANE & KENDALL  
PROJECT: \_\_\_\_\_ JOB NO.: \_\_\_\_\_  
STATION 109+06.00 TO STATION 128+24.00  
SCALE: N/A SHEET NO. 1 OF 4

FILE NAME = \$FILEL\$.S





PART OF SECTION 1, IN TOWNSHIP 37N, RANGE 7E OF THE 3RD PRINCIPAL MERIDIAN, IN THE VILLAGE OF MONTGOMERY, KENDALL COUNTY, ILLINOIS & PART OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 38N, RANG 8E OF THE THIRD PRINCIPAL MERIDIAN, IN THE TOWNSHIP OF AURORA, KANE COUNTY, ILLINOIS.

CENTERLINE OF ORCHARD RD. (C.H. 83)

LINE 1	N01°01'38"W	540.06'
START	N:1,840,726.26	E:972,787.27
LINE 2	N00°01'38"W	887.41'
CURVE 1	R=6,685.00'	A=245.30'
CURVE 2	R=6,685.00'	A=245.30'
END	N:1,842,644.12	E:972,767.93

CENTERLINE OF ILLINOIS ROUTE 30

LINE 3	N89°04'19"E	430.10'
START	N:1,841,515.06	E:972,460.81
CURVE 3	R=5,633.85'	A=369.90'
END	N:1,841,540.15	E:973,260.24

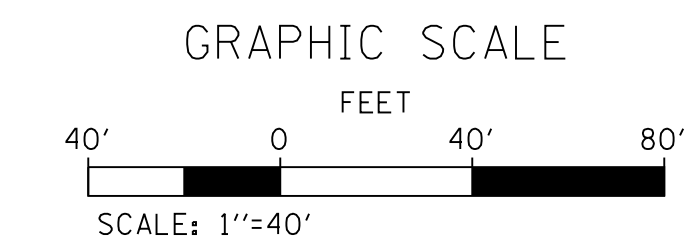
LEGEND

- EXISTING BUILDING
  - 123.22' MEASURED DIMENSION
  - (123.22') RECORDED DIMENSION
  - IRON PIPE OR ROD FOUND
  - CUT CROSS OR MAG NAIL FOUND
  - REPLACED AFTER CONSTRUCTION
  - RIGHT OF WAY MARKER FOUND
  - IRON ROD IN CONCRETE FOUND
  - QUARTER SECTION CORNER
  - SECTION LINE
  - QUARTER SECTION LINE
  - PROPERTY DEED LINE
  - ROADWAY CENTERLINE
  - EXISTING RIGHT OF WAY LINE
  - PROPOSED RIGHT OF WAY LINE
  - PROPOSED TEMPORARY EASEMENT LINE
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER
  - T2
  - T3
  - BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
  - BT2 BURIED 5/8 INCH IRON ROD 20 INCHES BELOW TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - BT3
  - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
  - M STAKING OF RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
  - RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF KANE )

WE, REGIONAL LAND SERVICES LLC, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-007858, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN THE PART OF SECTION 1, TOWNSHIP 37N, RANGE 7E OF THE 3RD PRINCIPAL MERIDIAN, IN THE VILLAGE OF MONTGOMERY, KENDALL COUNTY, ILLINOIS AND PART OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN THE TOWNSHIP OF AURORA, KANE COUNTY, ILLINOIS, AND 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 KANE COUNTY DIVISION OF TRANSPORTATION, GIVEN UNDER MY HAND AND SEAL THIS 10TH DAY OF DECEMBER, 2019 IN SYCAMORE, ILLINOIS.

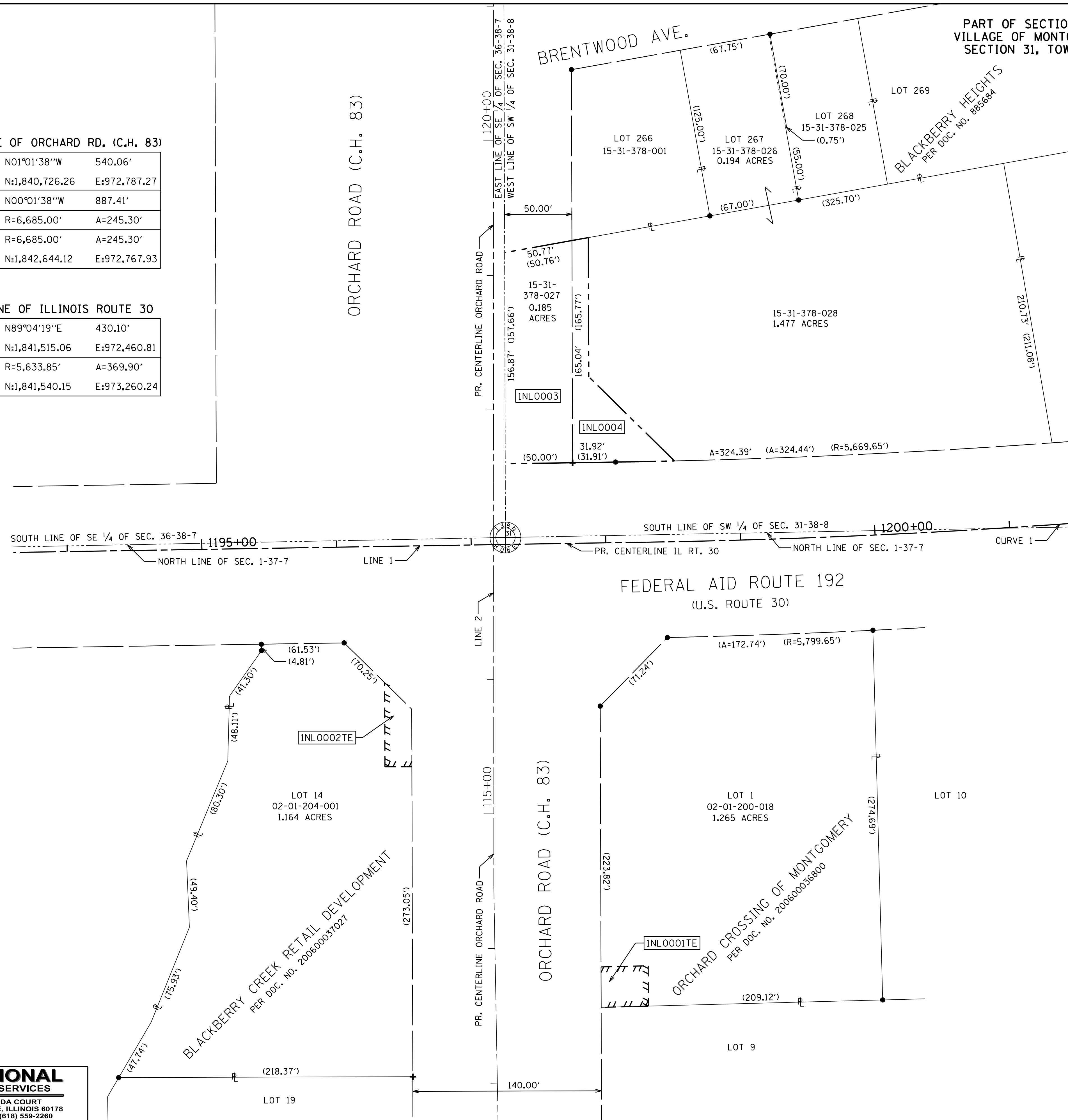
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
 RUDY P. DIXON  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832  
 MY LICENSE EXPIRES NOVEMBER 30, 2020  
 DESIGN FIRM LICENSE EXPIRES APRIL 30, 2021



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE GRID SYSTEM, NAD83, EAST ZONE.

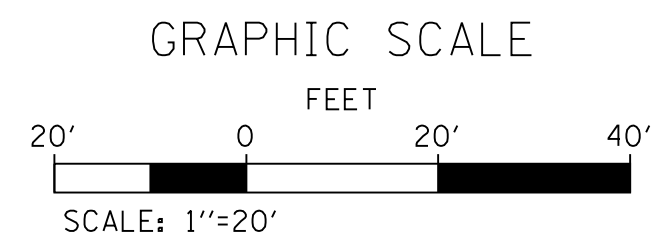
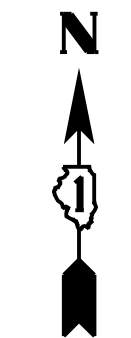
**PLAT OF HIGHWAYS**  
**KANE COUNTY**  
**DIVISION OF TRANSPORTATION**

SECTION: 17-00488-00-CH COUNTY: KANE & KENDALL  
 PROJECT: JOB NO.:  
 STATION 112+72 TO STATION 121+00  
 SCALE: 1"=40' SHEET NO. 2 OF 4



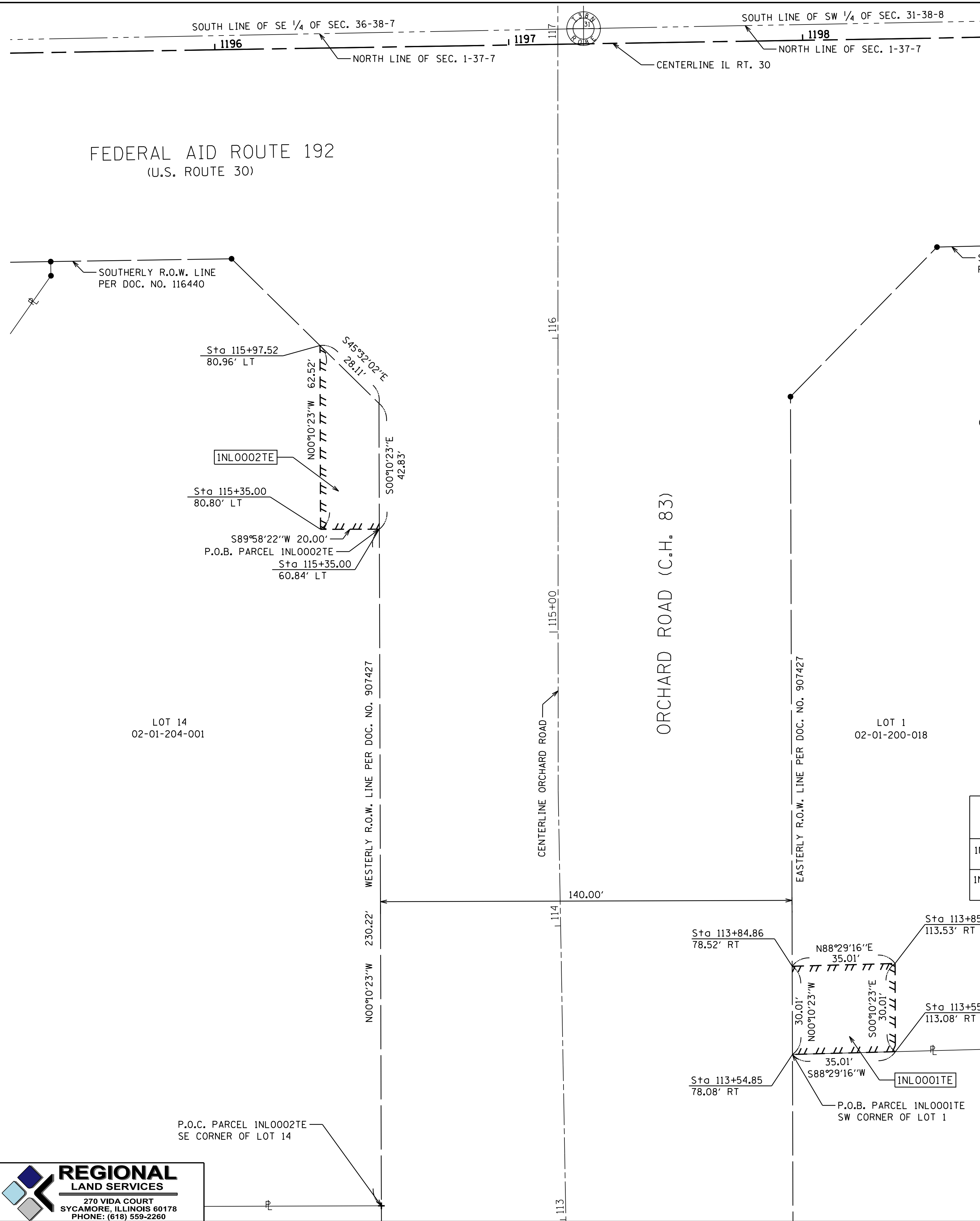
FILE NAME = 8FILE118

PART OF SECTION 1, IN TOWNSHIP 37N, RANGE 7E OF THE 3RD PRINCIPAL MERIDIAN, IN THE VILLAGE OF MONTGOMERY, KENDALL COUNTY, ILLINOIS & PART OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 38N, RANGE 8E OF THE THIRD PRINCIPAL MERIDIAN, IN THE TOWNSHIP OF AURORA, KANE COUNTY, ILLINOIS.



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE GRID SYSTEM, NAD83, EAST ZONE.

FEDERAL AID ROUTE 192  
(U.S. ROUTE 30)



**LEGEND**

- EXISTING BUILDING
- 123.22' MEASURED DIMENSION (123.22')
- RECORDED DIMENSION
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- REPLACED AFTER CONSTRUCTION
- RIGHT OF WAY MARKER FOUND
- IRON ROD IN CONCRETE FOUND
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PROPERTY DEED LINE
- ROADWAY CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER
- T2
- T3
- BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH IRON ROD 20 INCHES BELOW TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT3
- M STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF 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 BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

**COORDINATE TABLE**

NORTHING	EASTING	STATION & OFFSET
<b>PARCEL INL0001TE</b>		
1,841,176.46	972,857.29	113+54.85, 78.08' RT
1,841,177.39	972,892.29	113+55.15, 113.08' RT
1,841,207.39	972,892.20	113+85.15, 113.53' RT
1,841,206.47	972,857.20	113+84.86, 78.52' RT
<b>PARCEL INL0002TE</b>		
1,841,355.17	972,716.75	115+35.00, 60.80' LT
1,841,355.16	972,696.75	115+35.00, 80.80' LT
1,841,417.68	972,696.56	115+97.52, 80.96' LT

NOTE: STATION/OFFSET TAKEN FROM ORCHARD ROAD ALIGNMENT

PARCEL	OWNER	TOTAL HOLDINGS (ACRE)	TOTAL TAKEN (ACRE)	PREVIOUSLY USED R.O.W. (ACRE)	REMAINDER AREA (ACRE)	EASEMENT AREA (ACRE)	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
INL0001TE	ARC FTMTGIL001, LLC, A DELAWAY LIMITED LIABILITY COMPANY	1.265	0.000	0.000	1.265	0.024	TEMPORARY	02-01-200-018	
INL0002TE	MART DATA LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	1.164	0.000	0.000	1.164	0.024	TEMPORARY	02-01-204-001	

STATE OF ILLINOIS )  
                                  ) SS  
COUNTY OF KANE     )

WE, REGIONAL LAND SERVICES LLC, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-007858, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN THE PART OF SECTION 1, TOWNSHIP 37N, RANGE 7E OF THE 3RD PRINCIPAL MERIDIAN, IN THE VILLAGE OF MONTGOMERY, KENDALL COUNTY, ILLINOIS AND PART OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN THE TOWNSHIP OF AURORA, KANE COUNTY, ILLINOIS, AND 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 KANE COUNTY DIVISION OF TRANSPORTATION. GIVEN UNDER MY HAND AND SEAL THIS 10TH DAY OF DECEMBER, 2019 IN SYCAMORE, ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
RUDY P. DIXON  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832  
MY LICENSE EXPIRES NOVEMBER 30, 2020  
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2021

**PLAT OF HIGHWAYS  
KANE COUNTY  
DIVISION OF TRANSPORTATION**

SECTION: 17-00488-00-CH COUNTY: KANE & KENDALL  
PROJECT: JOB NO.:

STATION 113+00 TO STATION 117+00  
SCALE: 1"=20' SHEET NO. 3 OF 4



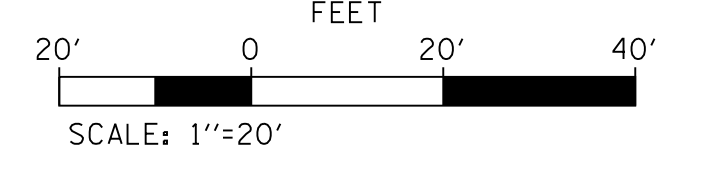
FILE NAME = \$FILEL\$.S



PART OF SECTION 1, IN TOWNSHIP 37N, RANGE 7E OF THE 3RD PRINCIPAL MERIDIAN, IN THE VILLAGE OF MONTGOMERY, KENDALL COUNTY, ILLINOIS & PART OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 38N, RANGE 8E OF THE THIRD PRINCIPAL MERIDIAN, IN THE TOWNSHIP OF AURORA, KANE COUNTY, ILLINOIS.



GRAPHIC SCALE



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE GRID SYSTEM, NAD83, EAST ZONE.

**LEGEND**

- EXISTING BUILDING
  - MEASURED DIMENSION (123.22')
  - RECORDED DIMENSION
  - IRON PIPE OR ROD FOUND
  - CUT CROSS FOUND OR SET
  - REPLACED AFTER CONSTRUCTION
  - RIGHT OF WAY MARKER FOUND
  - IRON ROD IN CONCRETE FOUND
  - SECTION LINE
  - QUARTER SECTION CORNER
  - PROPERTY DEED LINE
  - ROADWAY CENTERLINE
  - EXISTING RIGHT OF WAY LINE
  - PROPOSED RIGHT OF WAY LINE
  - PROPOSED TEMPORARY EASEMENT LINE
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER
  - T2
  - T3
  - BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
  - BT2 BURIED 5/8 INCH IRON ROD 20 INCHES BELOW TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - BT3
  - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
  - M STAKING OF RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
  - RIGHT OF WAY STAKING PROPOSED TO BE SET

**COORDINATE TABLE**

NORTHING	EASTING	STATION & OFFSET
<b>PARCEL INL0003</b>		
1,841,746.09	972,835.60	119+25.87, 58.24' RT
<b>PARCEL INL0004</b>		
1,841,582.38	972,911.72	117+62.13, 134.28' RT
1,841,644.91	972,848.09	118+24.69, 70.68' RT
1,841,746.09	972,835.60	119+25.87, 58.24' RT
1,841,748.27	972,847.79	119+28.05, 70.43' RT

NOTE: STATION/OFFSET TAKEN FROM ORCHARD ROAD ALIGNMENT

PARCEL	OWNER	TOTAL HOLDINGS (ACRE)	TOTAL TAKEN (ACRE)	PREVIOUSLY USED R.O.W. (ACRE)	REMAINDER AREA (ACRE)	EASEMENT AREA (ACRE)	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
INL0003	CHICAGO TITLE LAND TRUST COMPANY SUCCESSOR TO RBS CITIZENS NA FKA CITIZENS BANK NA SUCCESSOR BY MERGER TO CHARTER ONE BANK NA SUCCESSOR TO FIRST NATIONAL BANK SUCCESSOR TO GREATBANC TRUST COMPANY SUCCESSOR TO AURORA NATIONAL BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED JUNE 16, 1977 AND KNOWN AS TRUST NUMBER 1722	0.185	0.185	0.185	0.000	N/A		15-31-378-027	
INL0004	DNM VENTURES, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	1.477	0.093	0.000	1.384	N/A		15-31-378-028	

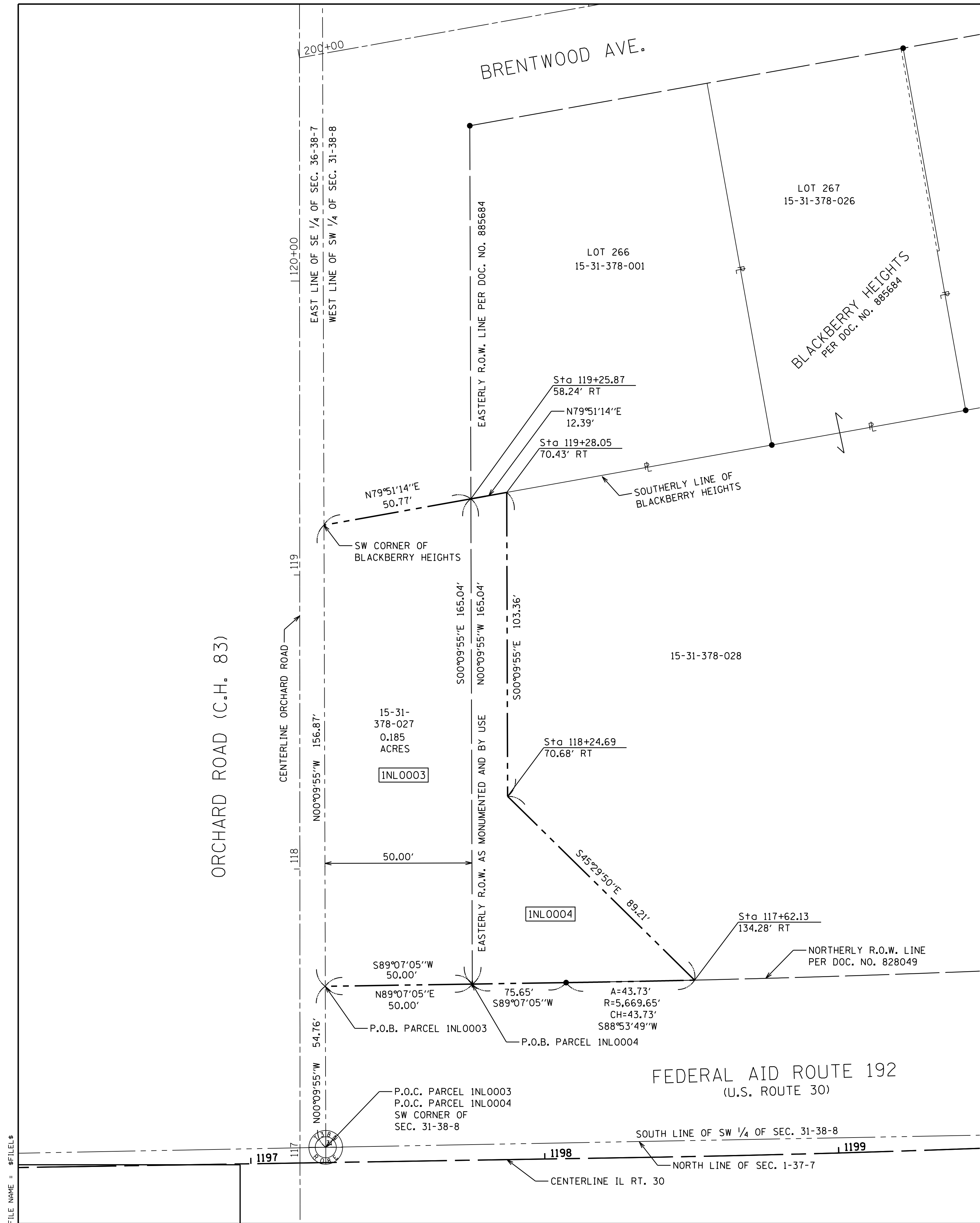
STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF KANE )

WE, REGIONAL LAND SERVICES LLC, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-007858, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN THE PART OF SECTION 1, TOWNSHIP 37N, RANGE 7E OF THE 3RD PRINCIPAL MERIDIAN, IN THE VILLAGE OF MONTGOMERY, KENDALL COUNTY, ILLINOIS AND PART OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN THE TOWNSHIP OF AURORA, KANE COUNTY, ILLINOIS, AND 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 KANE COUNTY DIVISION OF TRANSPORTATION, GIVEN UNDER MY HAND AND SEAL THIS 10TH DAY OF DECEMBER, 2019 IN SYCAMORE, ILLINOIS.

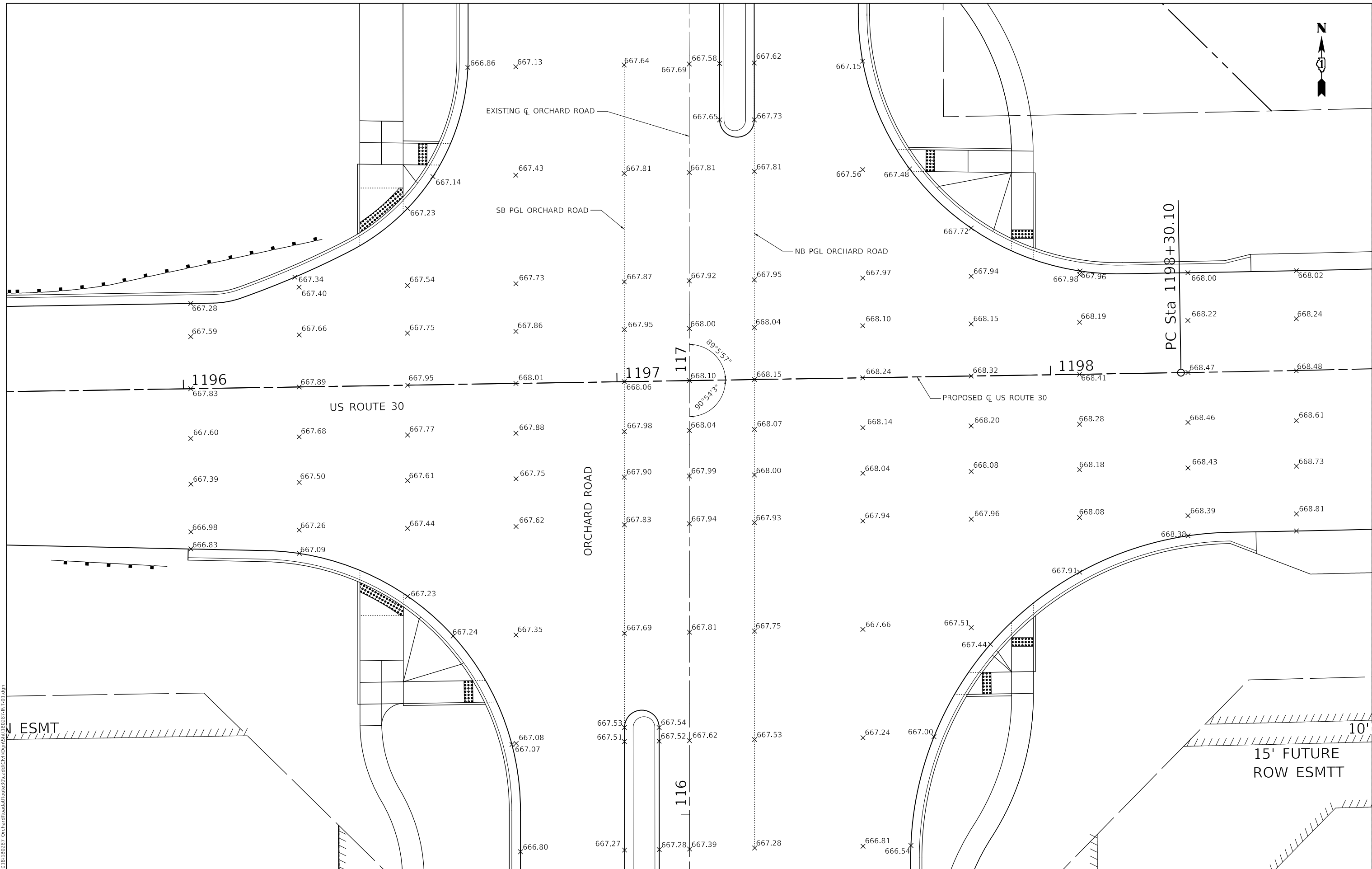
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
 RUDY P. DIXON  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832  
 MY LICENSE EXPIRES NOVEMBER 30, 2020  
 DESIGN FIRM LICENSE EXPIRES APRIL 30, 2021

**PLAT OF HIGHWAYS  
 KANE COUNTY  
 DIVISION OF TRANSPORTATION**

SECTION: 17-00488-00-CH COUNTY: KANE & KENDALL  
 PROJECT: 1"=20' JOB NO.:  
 STATION 117+00 TO STATION 121+00  
 SCALE: SHEET NO. 4 OF 4







MODEL: D:\dgn\1196.dgn  
 FILE NAME: 20210111102287\_OrchardRoadatRoute30.dwg  
 USER: JLB

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - JLB	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - JLB	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING PLAN**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 10'    SHEET 1 OF 2 SHEETS    STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	75
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

MODEL: D:\p1\180287\_OrchardRoad\atRoute30\cadd\Clld\DimSheet\180287-INT-02.dgn  
FILE NAME: 21\_10\_181180287\_OrchardRoad\atRoute30\cadd\Clld\DimSheet\180287-INT-02.dgn

**WBK ENGINEERING**  
 WBK ENGINEERING, LLC  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

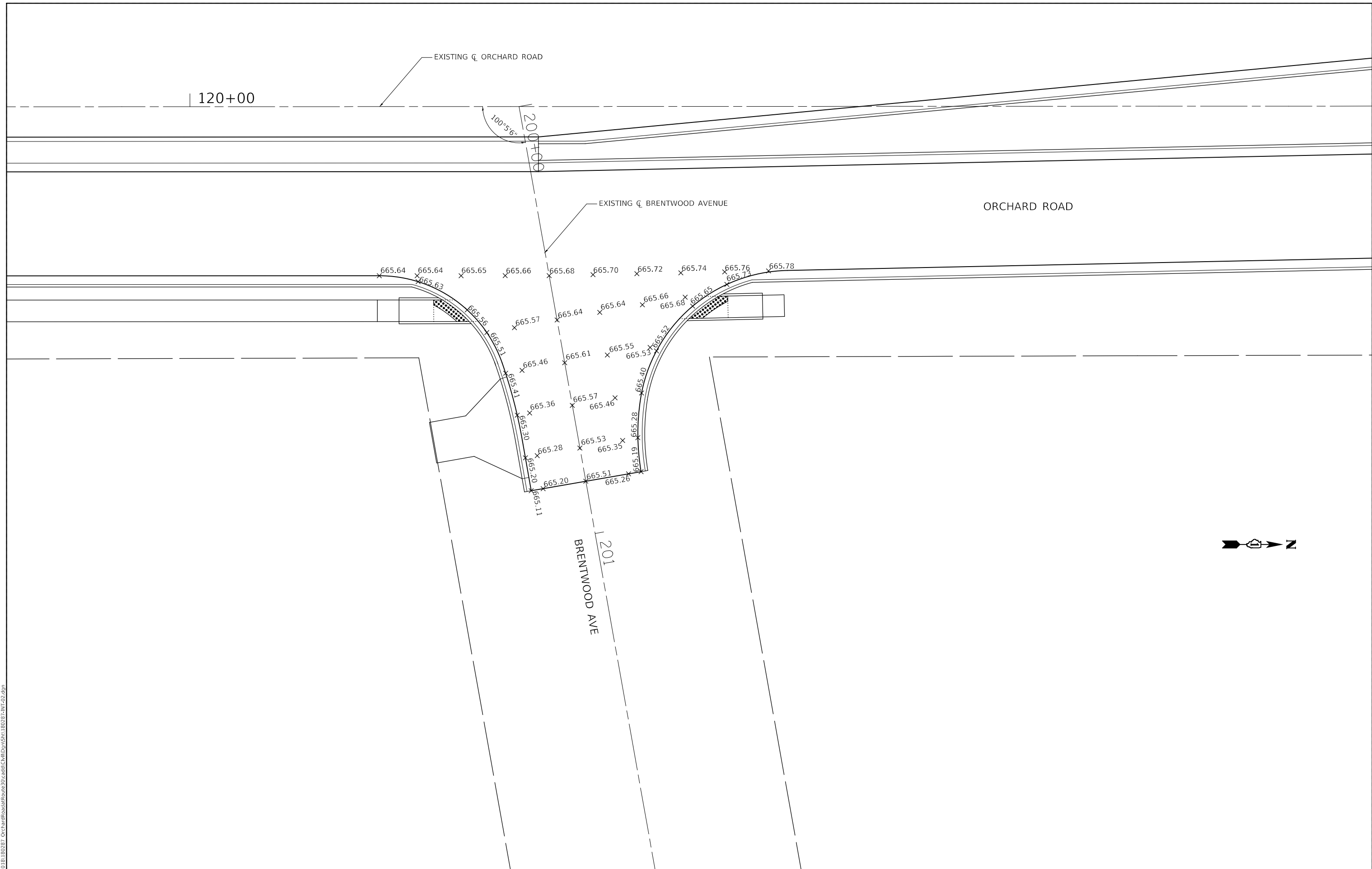
USER NAME = awuellner	DESIGNED - JLB	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - JLB	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING PLAN  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 10'    SHEET 2 OF 2 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	76
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

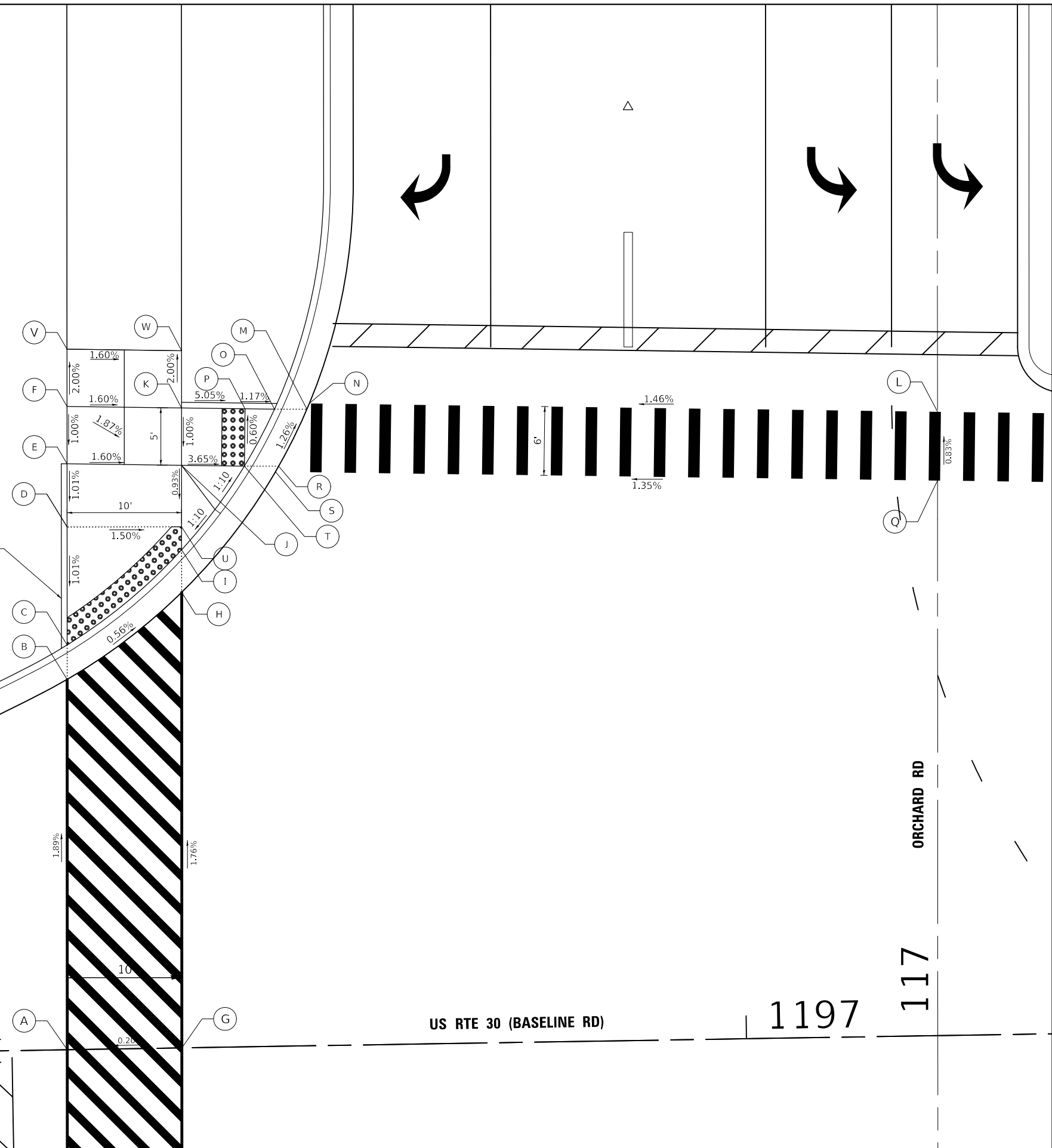




NOTES:

- ALL STATIONS AND OFFSETS ARE REFERENCED TO THE US ROUTE 30 (BASELINE RD) CENTERLINE.

POINT	STATION	OFFSET	ELEVATION
A	1196+40.69	00.00' LT	667.92
B	1196+41.20	32.31' LT	667.31
C	1196+41.25	35.32' LT	667.31
D	1196+41.38	43.62' LT	667.41
E	1196+41.50	51.13' LT	667.47
F	1196+41.58	56.13' LT	667.52
G	1196+50.70	00.00' LT	667.94
H	1196+51.32	39.75' LT	667.24
I	1196+51.38	43.46' LT	667.24
J	1196+51.49	50.84' LT	667.31
K	1196+51.57	55.84' LT	667.36
L	1197+17.56	54.44' LT	667.84
M	1196+62.51	55.56' LT	667.05
N	1196+62.73	56.05' LT	667.04
O	1196+59.69	55.60' LT	667.05
P	1196+57.12	55.68' LT	667.08
Q	1197+17.46	48.44' LT	667.89
R	1196+59.97	50.63' LT	667.11
S	1197+59.68	50.14' LT	667.11
T	1196+56.97	50.68' LT	667.11
U	1196+51.41	45.46' LT	667.26
V	1196+41.66	61.13' LT	667.42
W	1196+51.65	60.84' LT	667.26



MODEL: D:\dgn\1196\_OrchardRoad\1196\_OrchardRoad.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - AKW	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

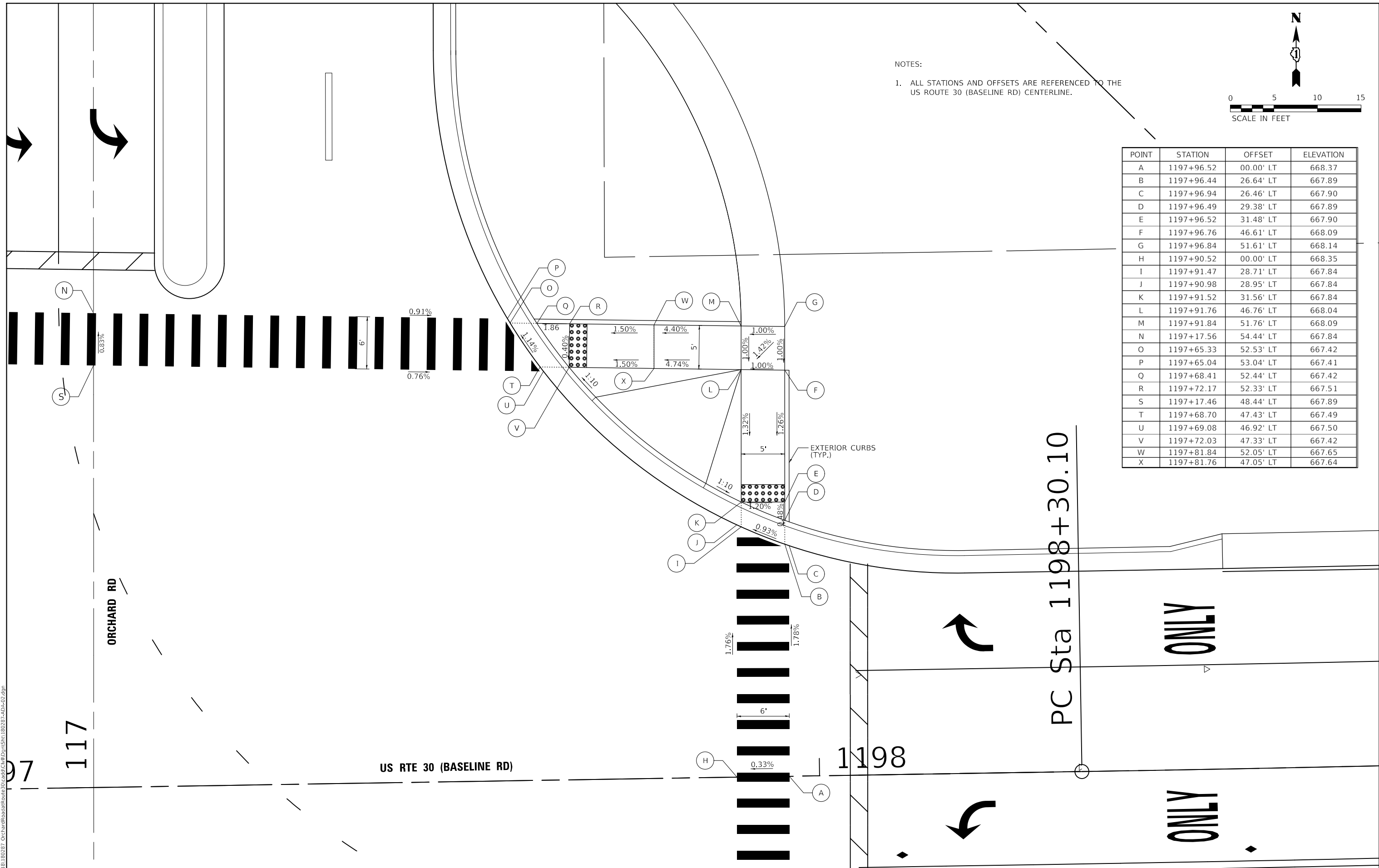
SCALE: 1" = 5'    SHEET 1 OF 5 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	77
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				



NOTES:  
 1. ALL STATIONS AND OFFSETS ARE REFERENCED TO THE US ROUTE 30 (BASELINE RD) CENTERLINE.

POINT	STATION	OFFSET	ELEVATION
A	1197+96.52	00.00' LT	668.37
B	1197+96.44	26.64' LT	667.89
C	1197+96.94	26.46' LT	667.90
D	1197+96.49	29.38' LT	667.89
E	1197+96.52	31.48' LT	667.90
F	1197+96.76	46.61' LT	668.09
G	1197+96.84	51.61' LT	668.14
H	1197+90.52	00.00' LT	668.35
I	1197+91.47	28.71' LT	667.84
J	1197+90.98	28.95' LT	667.84
K	1197+91.52	31.56' LT	667.84
L	1197+91.76	46.76' LT	668.04
M	1197+91.84	51.76' LT	668.09
N	1197+17.56	54.44' LT	667.84
O	1197+65.33	52.53' LT	667.42
P	1197+65.04	53.04' LT	667.41
Q	1197+68.41	52.44' LT	667.42
R	1197+72.17	52.33' LT	667.51
S	1197+17.46	48.44' LT	667.89
T	1197+68.70	47.43' LT	667.49
U	1197+69.08	46.92' LT	667.50
V	1197+72.03	47.33' LT	667.42
W	1197+81.84	52.05' LT	667.65
X	1197+81.76	47.05' LT	667.64



MODEL: D:\ef\h\...  
 FILE NAME: 20230111180287\_OrchardRoadRamp.dwg

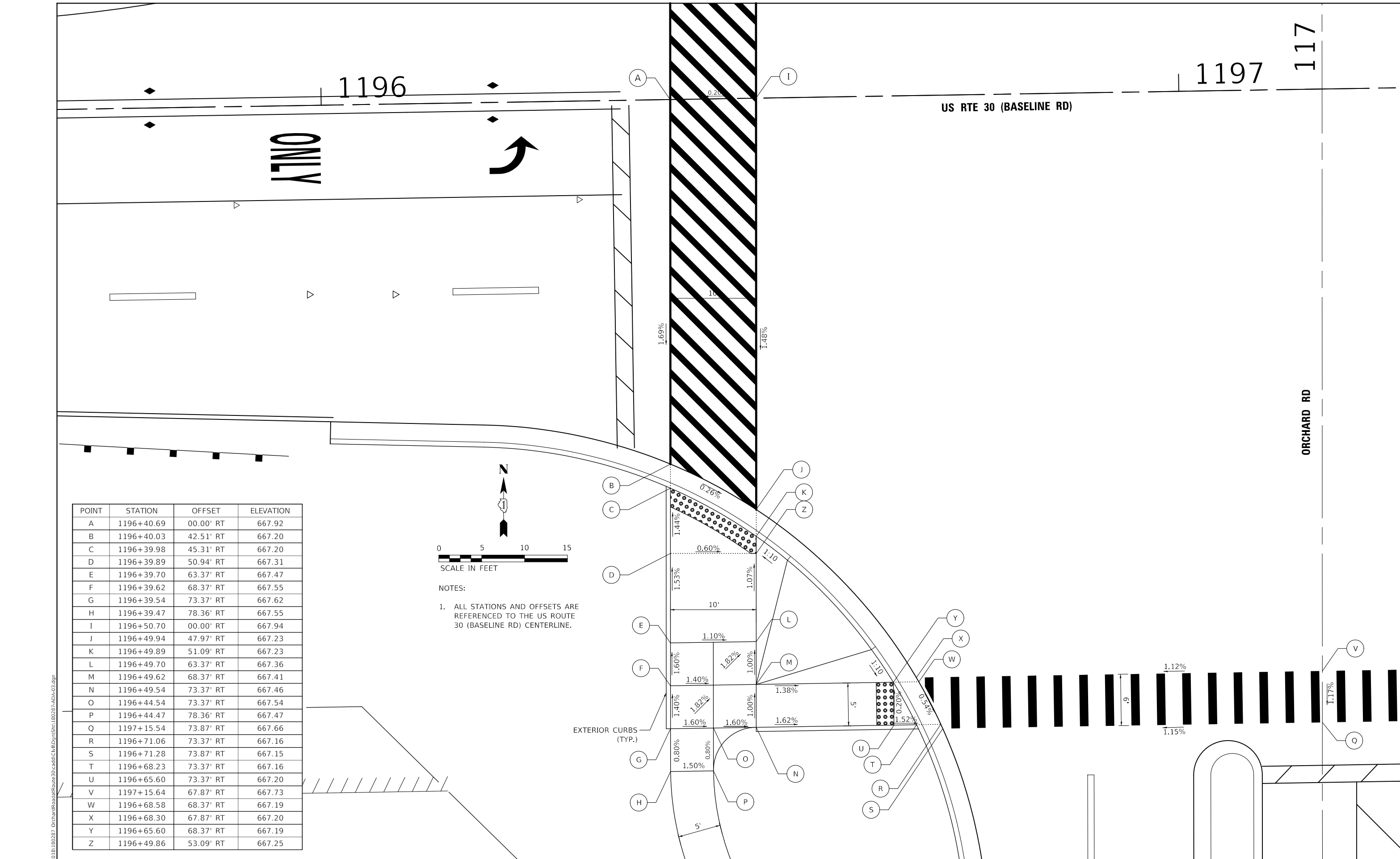
**WBK ENGINEERING**  
 WBK ENGINEERING, LLC  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - AKW	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

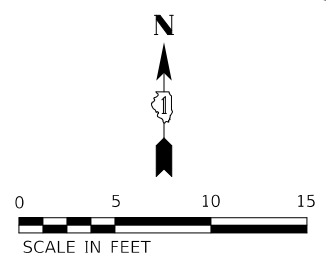
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 5'    SHEET 2 OF 5 SHEETS    STA. TO STA.

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 78
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				



POINT	STATION	OFFSET	ELEVATION
A	1196+40.69	00.00' RT	667.92
B	1196+40.03	42.51' RT	667.20
C	1196+39.98	45.31' RT	667.20
D	1196+39.89	50.94' RT	667.31
E	1196+39.70	63.37' RT	667.47
F	1196+39.62	68.37' RT	667.55
G	1196+39.54	73.37' RT	667.62
H	1196+39.47	78.36' RT	667.55
I	1196+50.70	00.00' RT	667.94
J	1196+49.94	47.97' RT	667.23
K	1196+49.89	51.09' RT	667.23
L	1196+49.70	63.37' RT	667.36
M	1196+49.62	68.37' RT	667.41
N	1196+49.54	73.37' RT	667.46
O	1196+44.54	73.37' RT	667.54
P	1196+44.47	78.36' RT	667.47
Q	1197+15.54	73.87' RT	667.66
R	1196+71.06	73.37' RT	667.16
S	1196+71.28	73.87' RT	667.15
T	1196+68.23	73.37' RT	667.16
U	1196+65.60	73.37' RT	667.20
V	1197+15.64	67.87' RT	667.73
W	1196+68.58	68.37' RT	667.19
X	1196+68.30	67.87' RT	667.20
Y	1196+65.60	68.37' RT	667.19
Z	1196+49.86	53.09' RT	667.25



NOTES:  
 1. ALL STATIONS AND OFFSETS ARE REFERENCED TO THE US ROUTE 30 (BASELINE RD) CENTERLINE.

MODEL: D:\a\17\170221\_OrchardRd\170221\_OrchardRd\170221\_OrchardRd.dwg  
 FILE NAME: 202101170221\_OrchardRd\170221\_OrchardRd.dwg

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

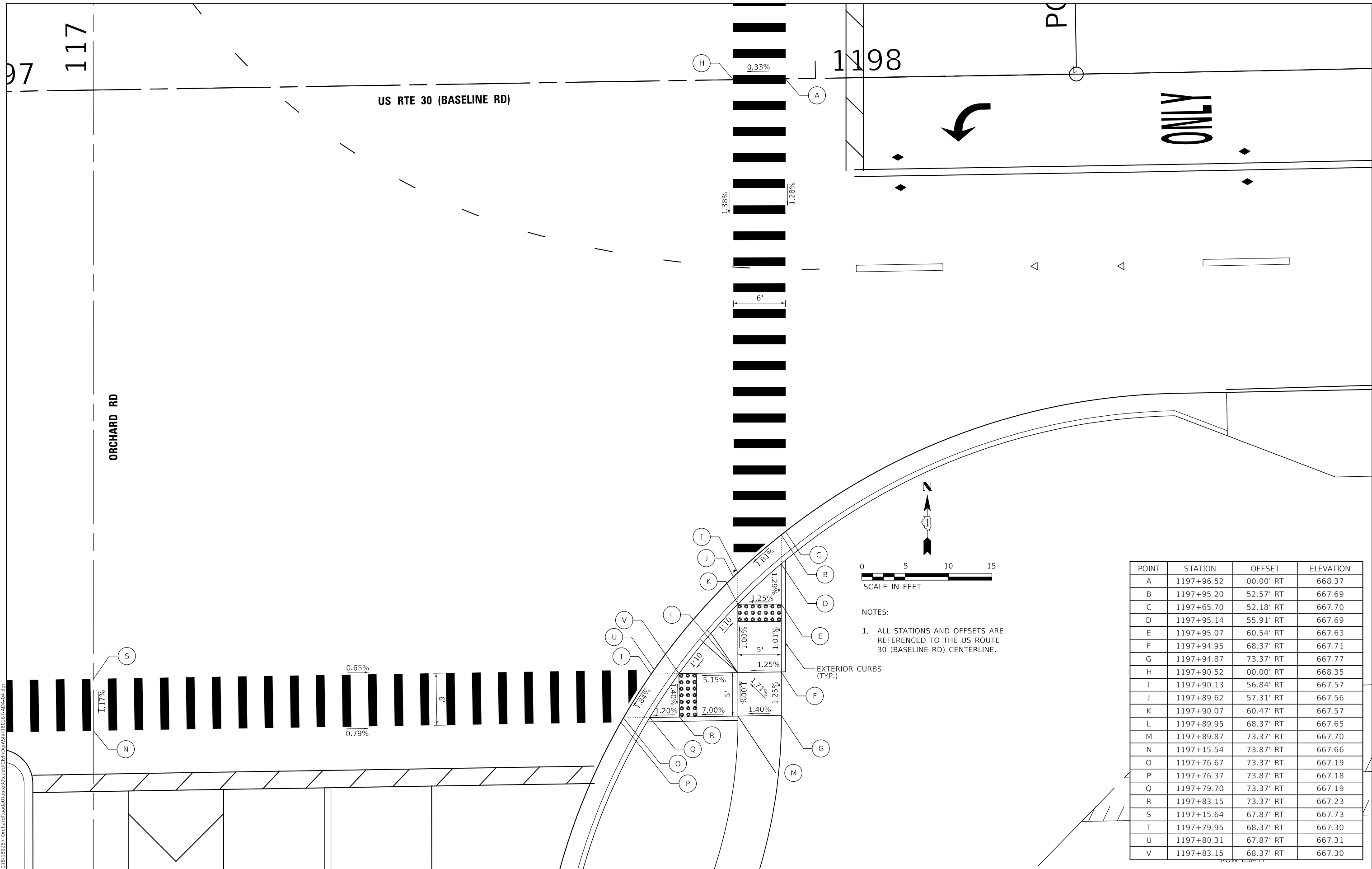
USER NAME = awuellner	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - AKW	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 5'    SHEET 3 OF 5 SHEETS    STA. TO STA.

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 79
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



POINT	STATION	OFFSET	ELEVATION
A	1197+96.52	00.00' RT	668.37
B	1197+95.20	52.57' RT	667.69
C	1197+65.70	52.18' RT	667.70
D	1197+95.14	55.91' RT	667.69
E	1197+95.07	60.54' RT	667.63
F	1197+94.95	68.37' RT	667.71
G	1197+94.87	73.37' RT	667.77
H	1197+90.52	00.00' RT	668.35
I	1197+90.13	56.84' RT	667.57
J	1197+89.62	57.31' RT	667.56
K	1197+90.07	60.47' RT	667.57
L	1197+89.95	68.37' RT	667.65
M	1197+89.87	73.37' RT	667.70
N	1197+15.54	73.87' RT	667.66
O	1197+76.67	73.37' RT	667.19
P	1197+76.37	73.87' RT	667.18
Q	1197+79.70	73.37' RT	667.19
R	1197+83.15	73.37' RT	667.23
S	1197+15.64	67.87' RT	667.73
T	1197+79.95	68.37' RT	667.30
U	1197+80.31	67.87' RT	667.31
V	1197+83.15	68.37' RT	667.30

NOTES:  
 1. ALL STATIONS AND OFFSETS ARE REFERENCED TO THE US ROUTE 30 (BASELINE RD) CENTERLINE.

MODEL: D:\a\11\1102287\_OrchardRoad\Borad\Borad30\cadd\Civil\Drawings\1102287-ADA-04.dwg  
 FILE NAME: 2021011102287\_OrchardRoad\Borad\Borad30\cadd\Civil\Drawings\1102287-ADA-04.dwg



USER NAME = awuellner	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - AKW	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 5'    SHEET 4 OF 5 SHEETS    STA.    TO STA.

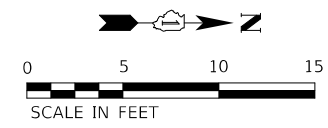
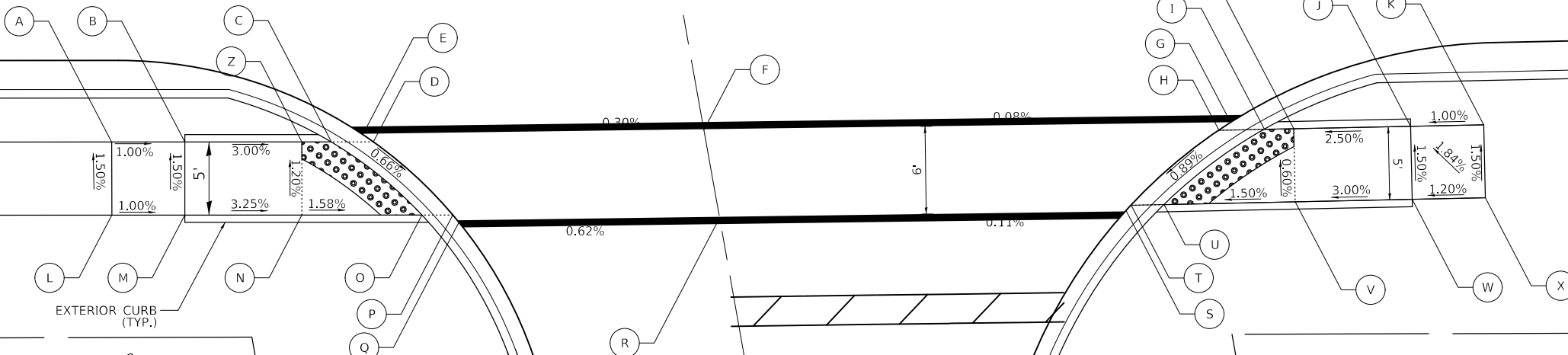
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 80
CONTRACT NO. 61H49			ILLINOIS FED. AID PROJECT 9351(746)	

120+00

ORCHARD ROAD

ONLY ON

POINT	STATION	OFFSET	ELEVATION
A	200+37.43	41.33' RT	665.90
B	200+38.20	36.39' RT	665.85
C	200+39.76	26.51' RT	665.58
D	200+40.23	23.50' RT	665.58
E	200+39.65	24.15' RT	665.59
F	200+43.96	00.00' RT	665.66
G	200+50.30	35.55' LT	665.69
H	200+50.67	34.67' LT	665.69
I	200+51.15	37.74' LT	665.69
J	200+52.70	47.62' LT	665.92
K	200+53.48	52.56' LT	665.97
L	200+42.37	42.10' RT	665.98
M	200+43.14	37.16' RT	665.93
N	200+44.70	27.28' RT	665.67
O	200+45.73	20.74' RT	665.53
P	200+46.06	18.60' RT	665.53
Q	200+46.76	18.16' RT	665.53
R	200+50.04	00.00' RT	665.64
S	200+54.98	27.45' LT	665.61
T	200+54.67	27.86' LT	665.62
U	200+55.02	30.09' LT	665.62
V	200+56.09	36.97' LT	665.75
W	200+57.64	46.85' LT	665.99
X	200+58.42	51.78' LT	666.05
Y	200+51.46	39.72' LT	665.72
Z	200+44.39	29.26' RT	665.61



NOTES:  
 1. ALL STATIONS AND OFFSETS ARE REFERENCED TO THE BRENTWOOD DRIVE CENTERLINE.

MODEL: D:\p1\180287\_OrchardRoad\Bentwood30.cad\DWG\Sheet180287-ADA-5.dwg

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KON	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - AKW	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

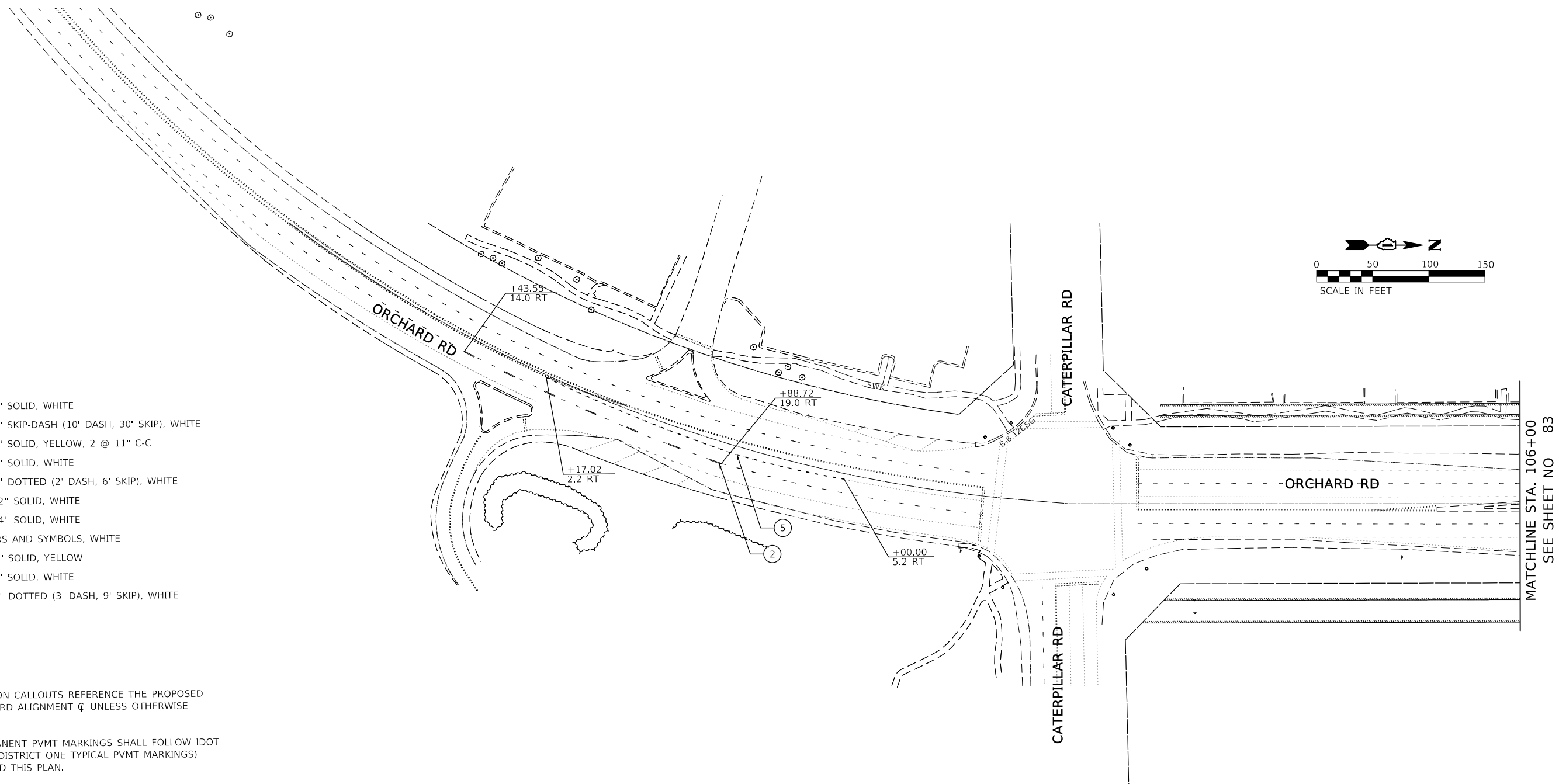
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	81
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				

**LEGEND**

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

**NOTES:**

1. ALL STATION CALLOUTS REFERENCE THE PROPOSED ORCHARD RD ALIGNMENT  $\bar{C}$  UNLESS OTHERWISE STATED.
2. ALL PERMANENT PVMT MARKINGS SHALL FOLLOW IDOT D1 TC13 (DISTRICT ONE TYPICAL PVMT MARKINGS) DETAIL AND THIS PLAN.
3. ALL PROPOSED PVMT MARKINGS SHALL BE MODIFIED URETHANE UNLESS OTHERWISE STATED.



MATCHLINE STA. 106+00  
SEE SHEET NO 83

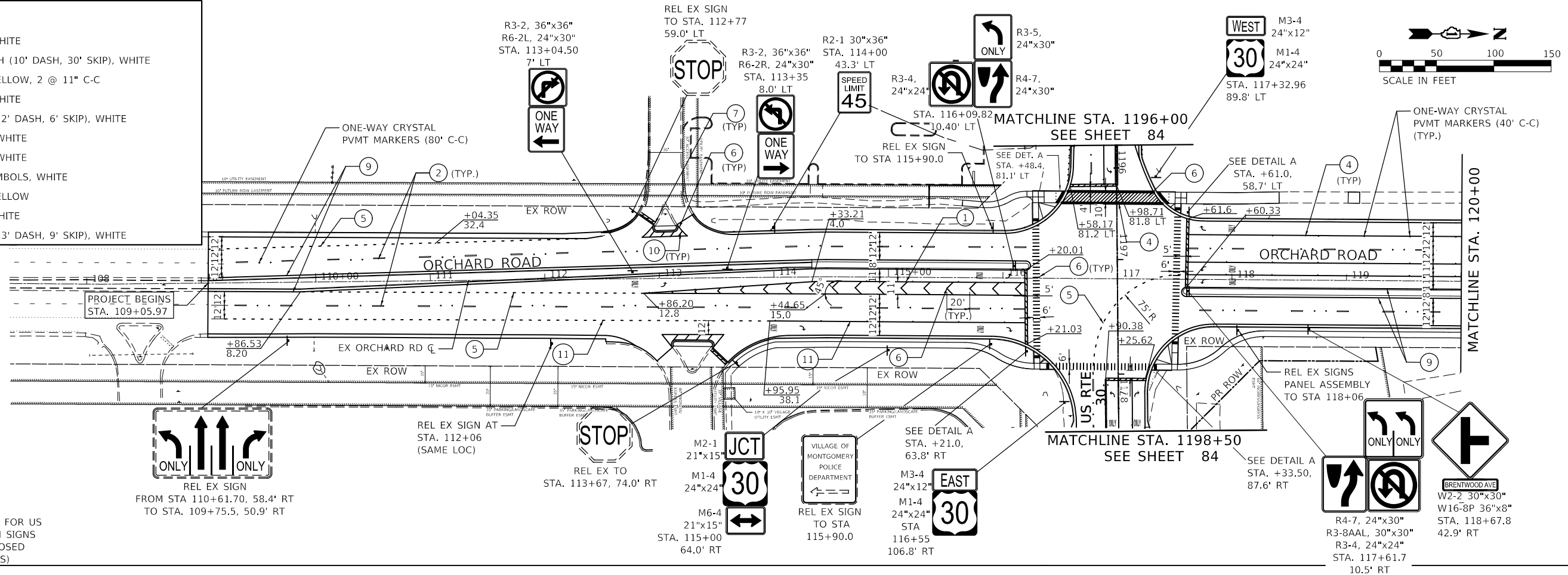
MODEL: D:\p1\180287\_OrchardRoad\180287\_PMK.dgn  
FILE: 180287\_OrchardRoad\180287\_PMK.dgn

	USER NAME = awuellner PLOT SCALE = 1:100 PLOT DATE = 11/17/2021	DESIGNED - KAC DRAWN - SS CHECKED - YOO DATE - 10/04/2021	REV. - 10/11/2021 REV. - 10/18/2021 REV. - 10/27/2021 REV. - 11/03/2021	REV. - 11/10/2021 REV. - 11/15/2021 REV. - 11/17/2021 REV. -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING &amp; SIGNING PLAN ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>	F.A.P. RTE. 336 SECTION 17-00488-00-CH	COUNTY KANE/KENDALL CONTRACT NO. 61H49	TOTAL SHEETS 170 SHEET NO. 82	ILLINOIS FED. AID PROJECT 93511746
	SCALE: 1" = 50'    SHEET 1 OF 3 SHEETS    STA. N/A    TO STA. 106+00									



**LEGEND**

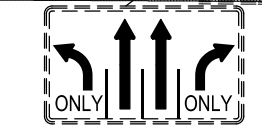
- ① LINE 4" SOLID, WHITE
- ② LINE 4" SKIP-DASH (10' DASH, 30' SKIP), WHITE
- ③ LINE 4" SOLID, YELLOW, 2 @ 11" C-C
- ④ LINE 6" SOLID, WHITE
- ⑤ LINE 6" DOTTED (2' DASH, 6' SKIP), WHITE
- ⑥ LINE 12" SOLID, WHITE
- ⑦ LINE 24" SOLID, WHITE
- ⑧ LETTERS AND SYMBOLS, WHITE
- ⑨ LINE 4" SOLID, YELLOW
- ⑩ LINE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



TRI-FOLD  
R1-1 30"x30"

**DETAIL A**

(SEE TRAFFIC SIGNAL PLANS FOR US 30 WEST & EAST APPROACH SIGNS TO BE PLACED ON PROPOSED TRAFFIC SIGNAL POSTS)



REL EX SIGN FROM STA 110+61.70, 58.4' RT TO STA. 109+75.5, 50.9' RT



REL EX SIGN AT STA. 112+06 (SAME LOC) REL EX TO STA. 113+67, 74.0' RT



M2-1 21"x15" M1-4 24"x24" M6-4 21"x15" STA. 115+00 64.0' RT



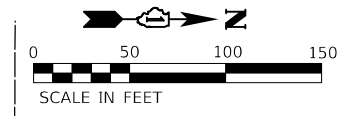
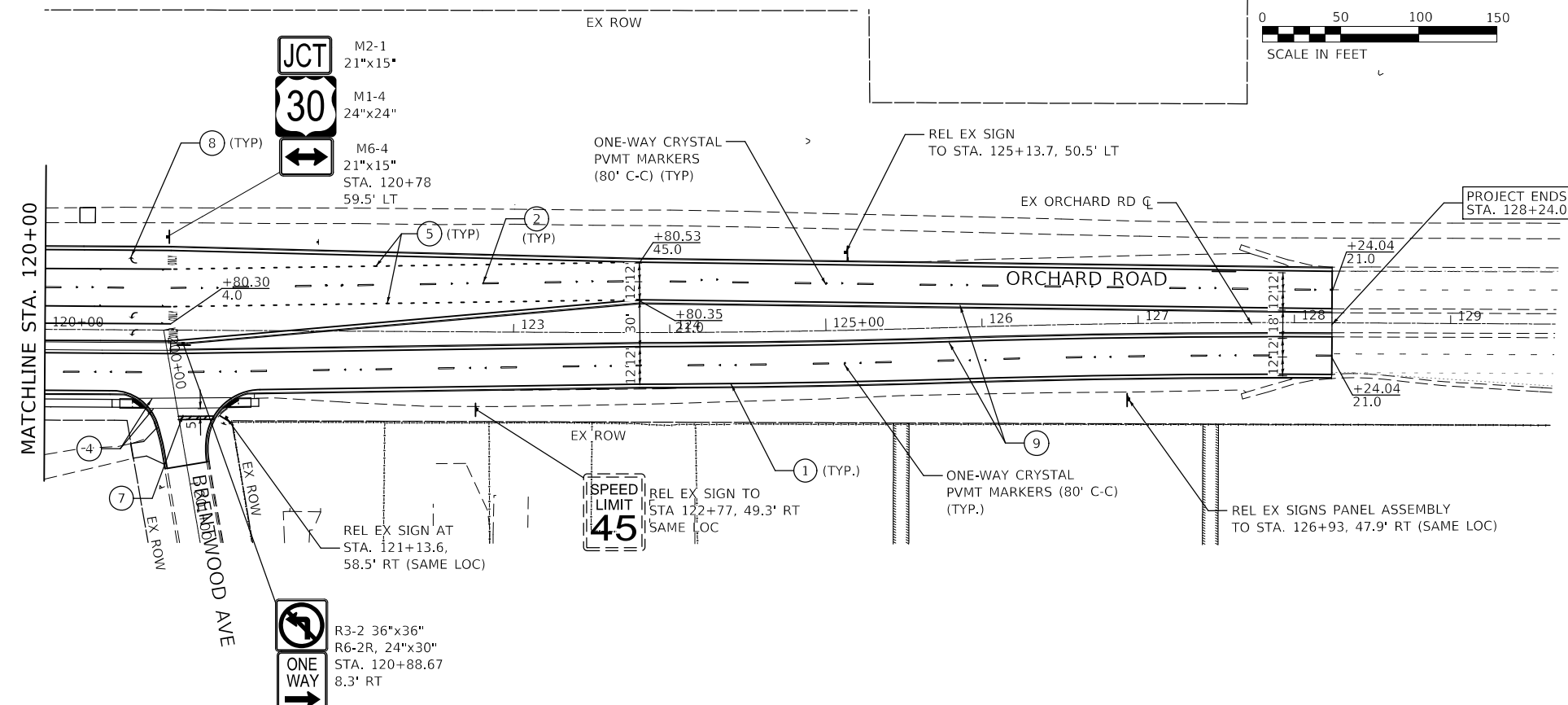
M3-4 24"x12" M1-4 24"x24" STA. 116+55 106.8' RT



R4-7, 24"x30" R3-8AAL, 30"x30" R3-4, 24"x24" STA. 117+61.7 10.5' RT



W2-2 30"x30" W16-8P 36"x8" STA. 118+67.8 42.9' RT



**NOTES:**

1. ALL STATION CALL OUTS REFERENCE THE PROPOSED ORCHARD RD ALIGNMENT  $\bar{c}$  UNLESS OTHERWISE STATED.
2. ALL PERMANENT PAVEMENT MARKINGS SHALL FOLLOW IDOT D1 TC13 (DISTRICT ONE TYPICAL PAVEMENT MARKINGS) DETAIL AND THIS PLAN.
3. ALL PROPOSED PAVEMENT MARKINGS ON ORCHARD ROAD SOUTH OF STATION 117+61 AND ON US ROUTE 30 SHALL BE MODIFIED URETHANE.
4. ALL PROPOSED PAVEMENT MARKING ON ORCHARD ROAD NORTH OF US ROUTE 30 SHALL BE PERFORMED PLASTIC PAVEMENT MARKING TYPE D AND SHALL BE GROOVED INTO THE EXISTING PAVEMENT EXCEPT FOR STOP BARS AND LETTERS & SYMBOLS WHICH SHALL BE MODIFIED URETHANE PAVEMENT MARKINGS
5. TRI-FOLD STOP SIGNS TO BE PAID FOR AS SIGN PANEL - TYPE 1

MODEL: D:\m\11180287\_OrchardRoad\Bentwood30\cadd\Civil\Drawings\1180287\_PMK-02\_Orchard.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

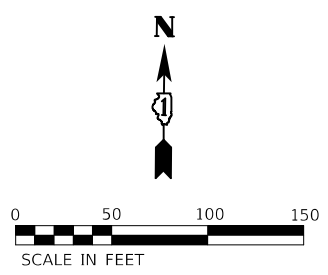
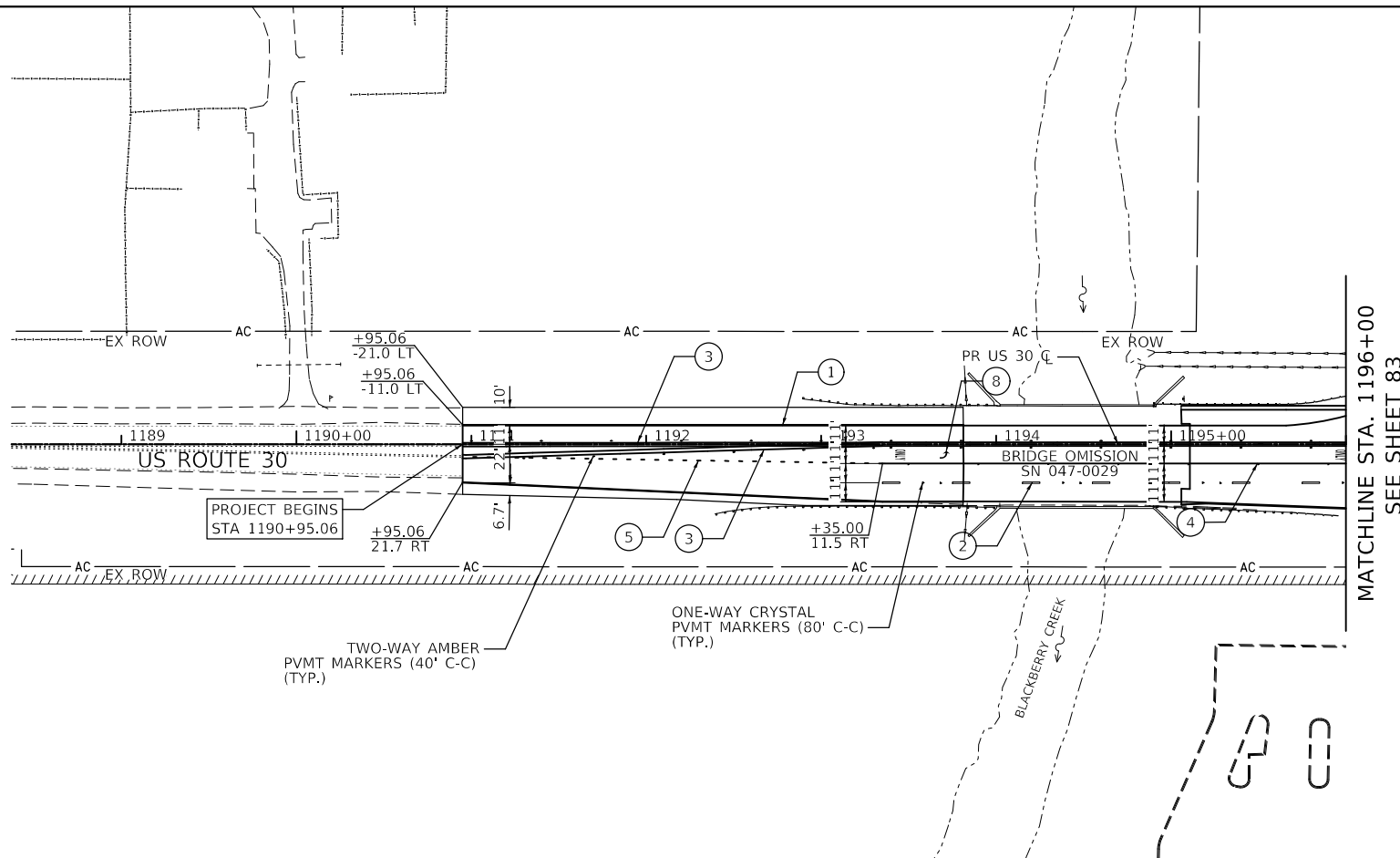
**PAVEMENT MARKING & SIGNING PLAN  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. 109+05.97 TO STA. 128+24.04

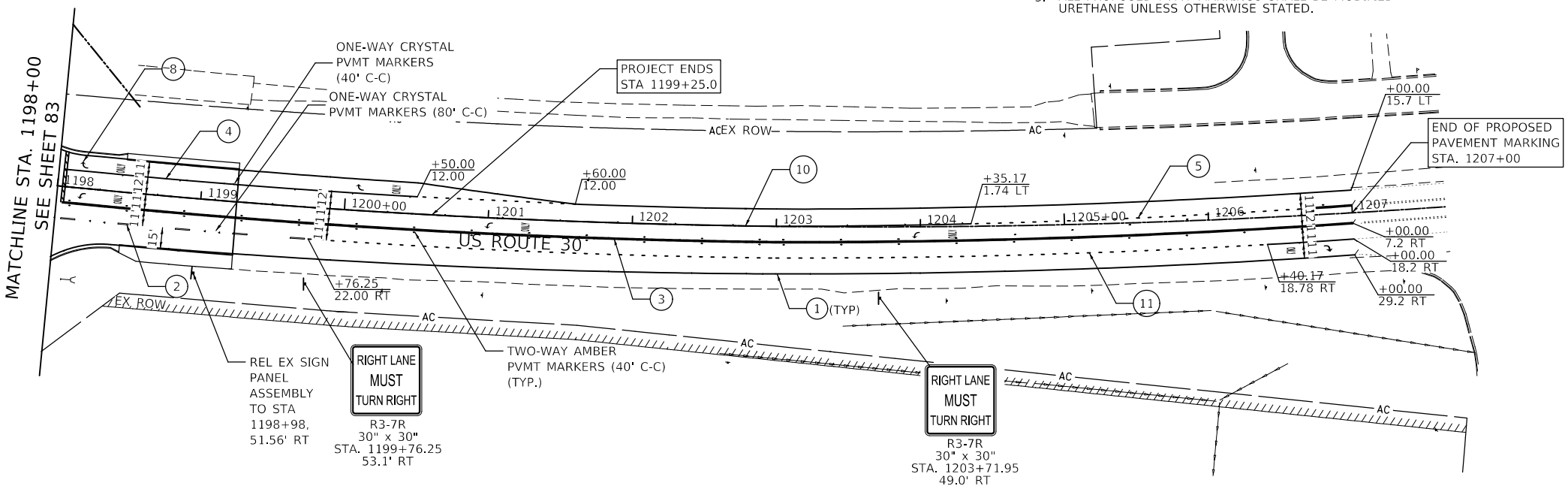
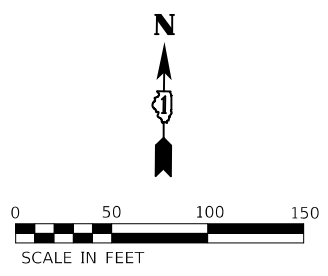
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	83
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**LEGEND**

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



- NOTES:**
1. ALL STATION CALLOUTS REFERENCE THE PROPOSED US 30 ALIGNMENT C UNLESS OTHERWISE STATED.
  2. ALL PERMANENT PVMT MARKINGS SHALL FOLLOW IDOT D1 TC13 (DISTRICT ONE TYPICAL PVMT MARKINGS) DETAIL AND THIS PLAN.
  3. ALL PROPOSED PVMT MARKINGS SHALL BE MODIFIED URETHANE UNLESS OTHERWISE STATED.



MODEL: D:\p\11\1180287\_OrchardRoadatRoute30.cad\1180287\_PMK-03\_US30.dgn  
 FILE NAME: 202301181180287\_OrchardRoadatRoute30.cad\1180287\_PMK-03\_US30.dgn

**WBK ENGINEERING**  
 WBK ENGINEERING, LLC  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN**  
**ORCHARD ROAD AT US ROUTE 30 INTERSECTION**  
 SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. 1190+95.06 TO STA. 1200+63.64

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	84
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			RELOCATE ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			ABANDON ITEM					
FLASHER INSTALLATION -(FS) SOLAR POWERED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			SIGNAL POST AND FOUNDATION TO BE REMOVED					
RADAR DETECTION SENSOR			DETECTOR LOOP, TYPE I					
VIDEO DETECTION CAMERA			PREFORMED DETECTOR LOOP					
RADAR/VIDEO DETECTION ZONE			SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
CONFIRMATION BEACON			WIRELESS DETECTOR SENSOR					
WIRELESS INTERCONNECT			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT RADIO REPEATER								

TS SHT NO. 1

MODEL Default  
FILE Name: p:\1108488\BID\NTEC\Illinois.gov\PIV\DOT\Documents\DOT\_Offices\District 1\Projects\Dist1\Sht23-24\CADD\Detail\CAD\Sheet\ts05.dgn

USER NAME = footemj	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
PLOT SCALE = 50,0000 ' / ft.	CHECKED - LP	REVISED -	
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

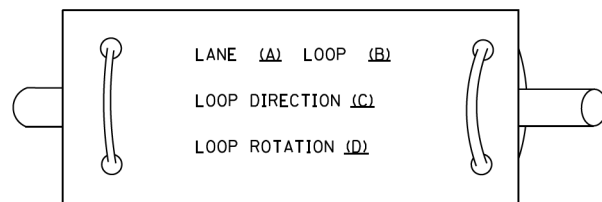
SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 85
<b>TS-05</b>			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT 93517461				

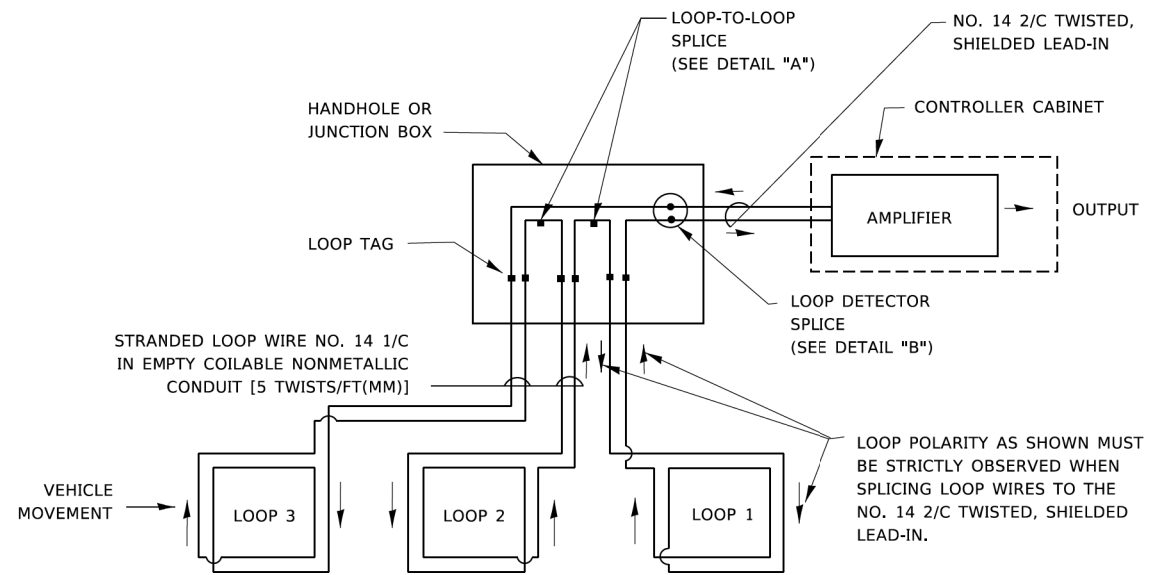
**LOOP DETECTOR NOTES**

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 DIVESHOLES 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**

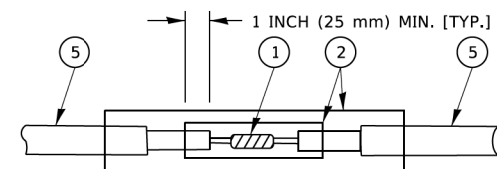


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

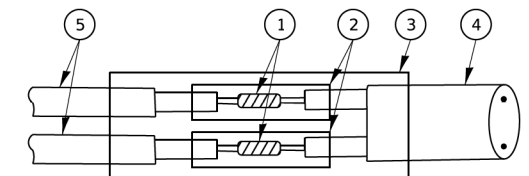


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

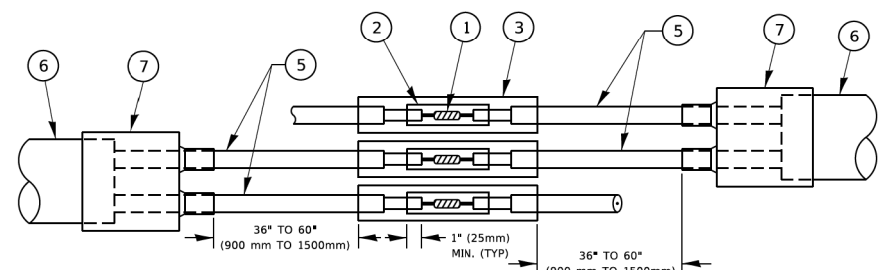


DETAIL "A"  
LOOP-TO-LOOP SPLICE

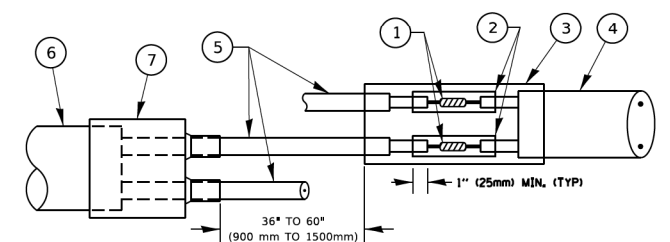


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

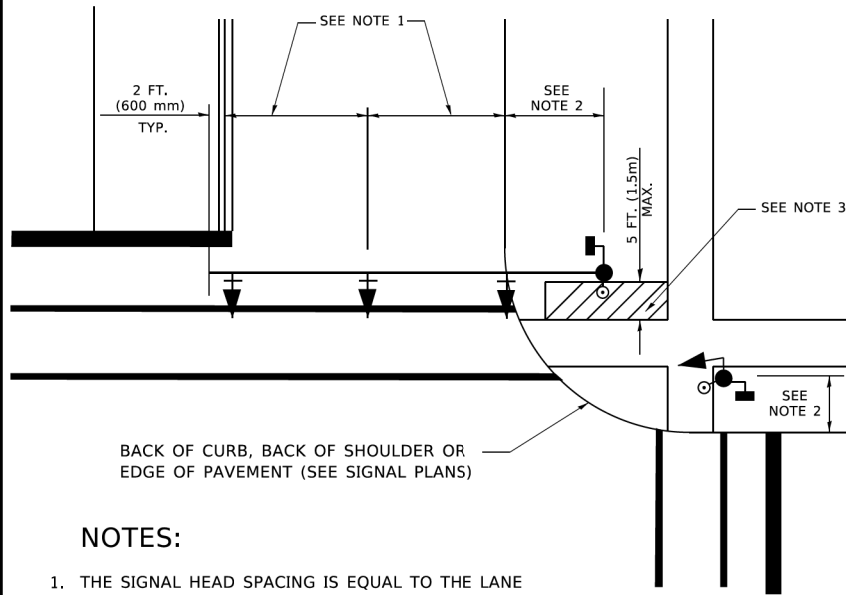
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER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

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 86
TS-05		CONTRACT NO. 61H49		
ILLINOIS FED. AID PROJECT 93517461				

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

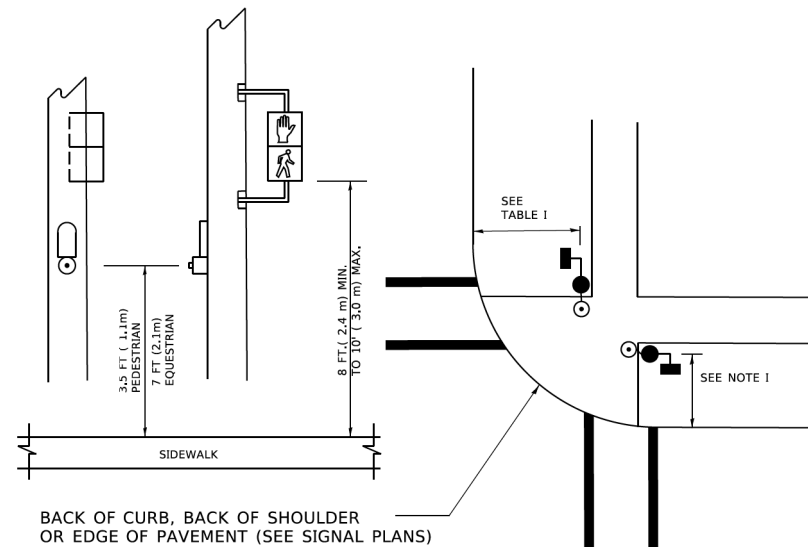
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

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

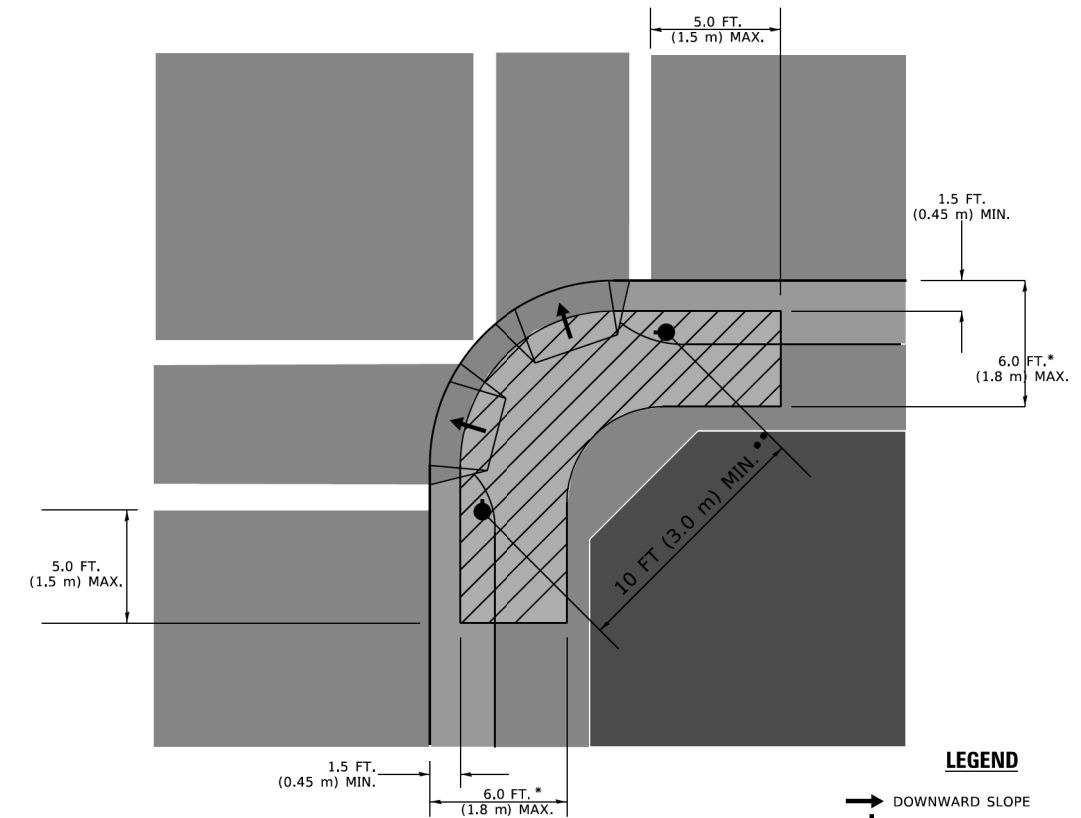
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

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

**NOTES:**

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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

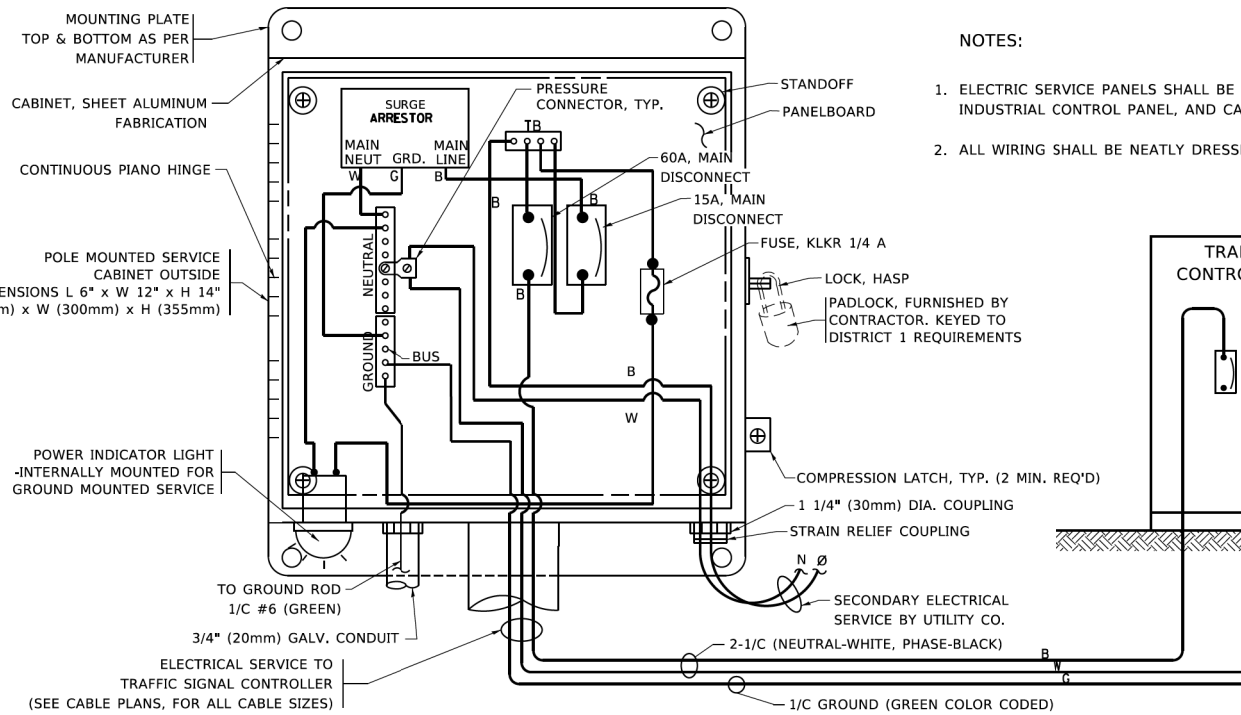
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), 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 (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

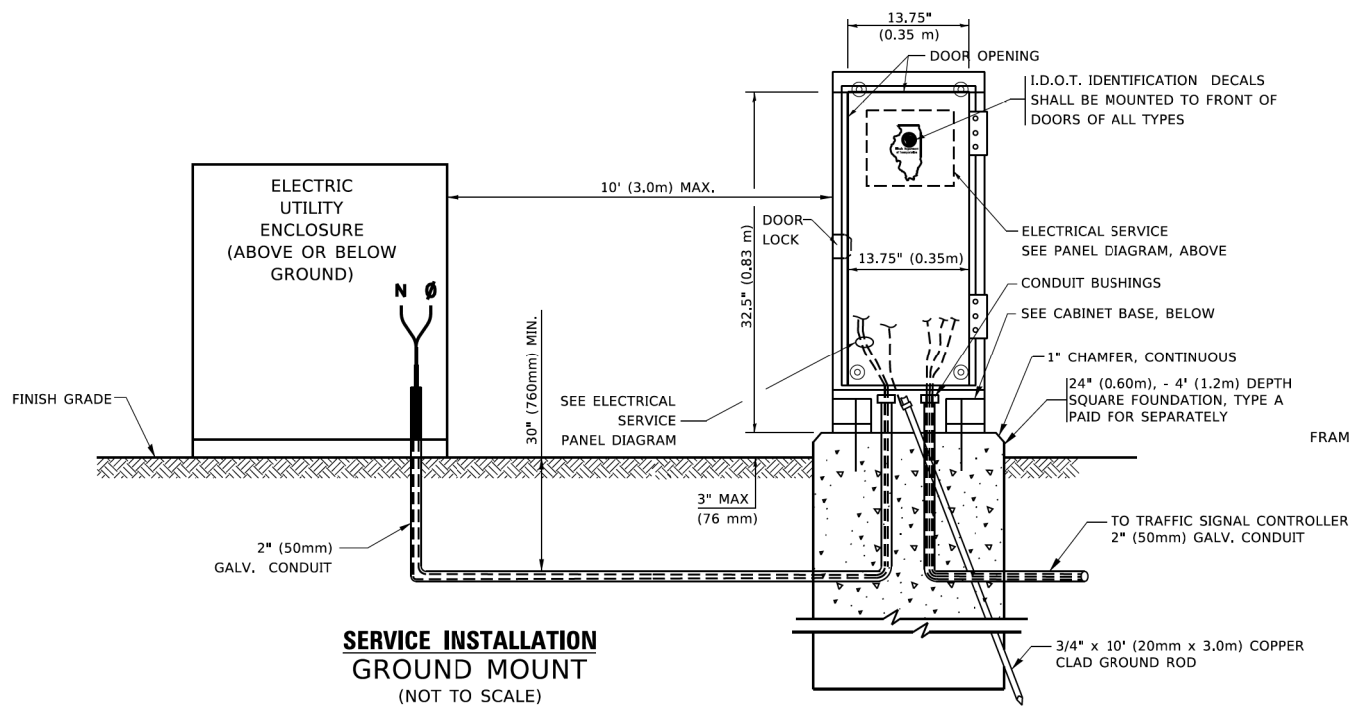
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM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

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

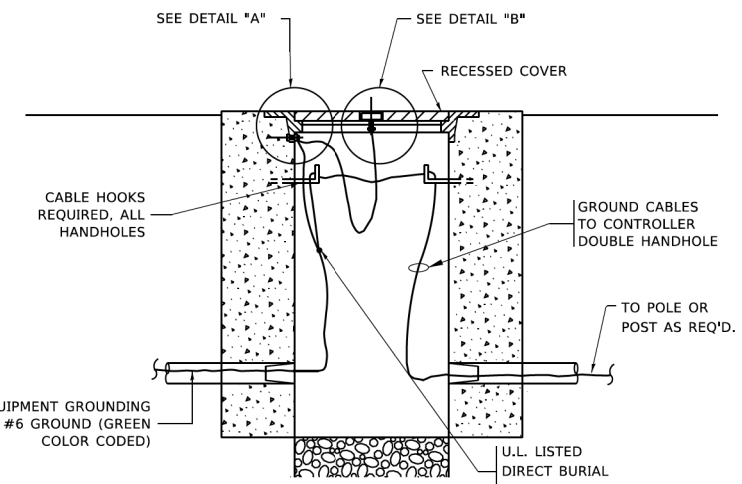
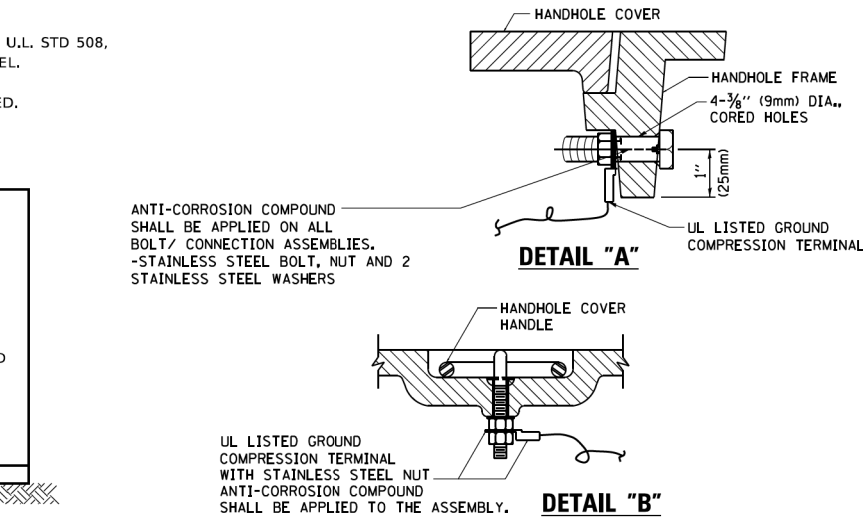
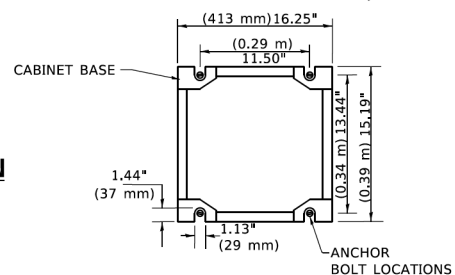
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	87
TS-05		CONTRACT NO. 61H49		
ILLINOIS   FED. AID PROJECT 93517461				



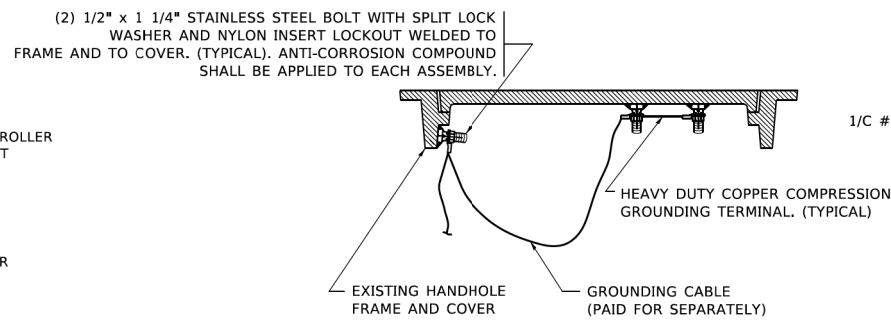
**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



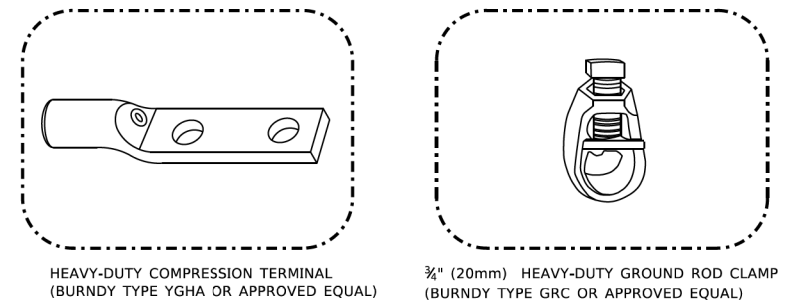
**CABINET - BASE BOLT PATTERN**  
 (NOT TO SCALE)



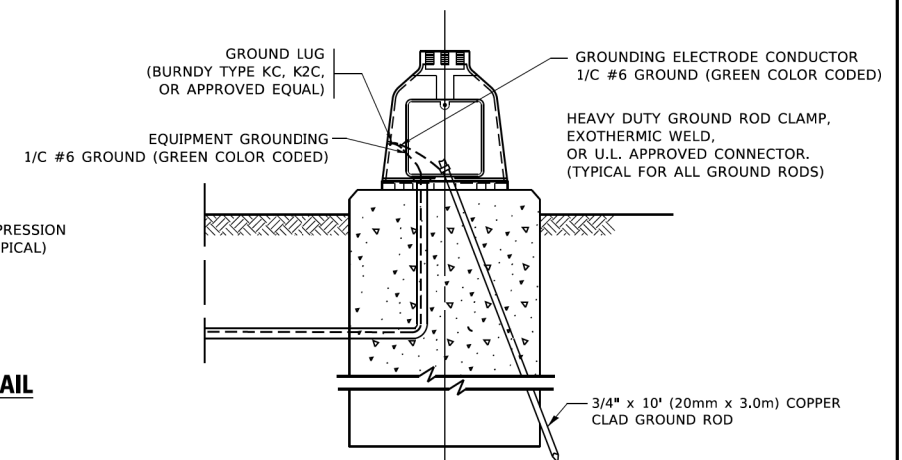
**HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
 (NOT TO SCALE)



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



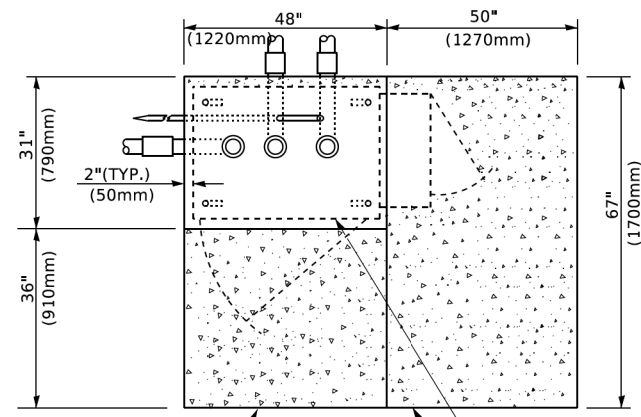
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME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



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

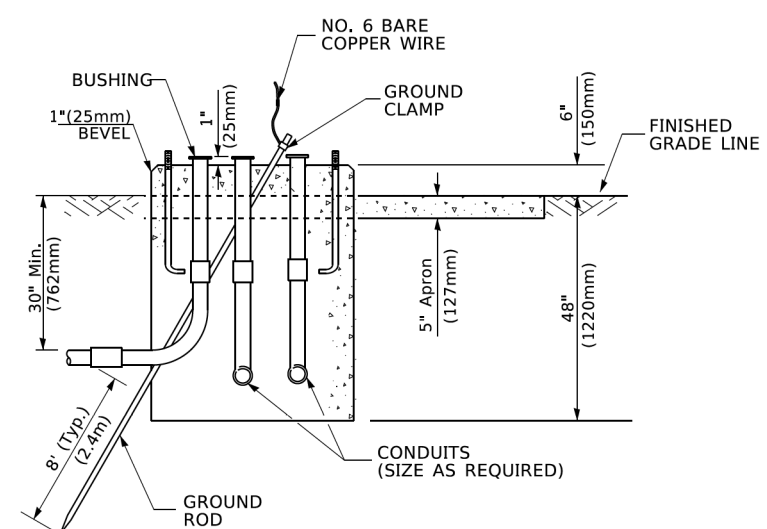
**NOTES:**  
**GROUNDING SYSTEM**

- 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.
- 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.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

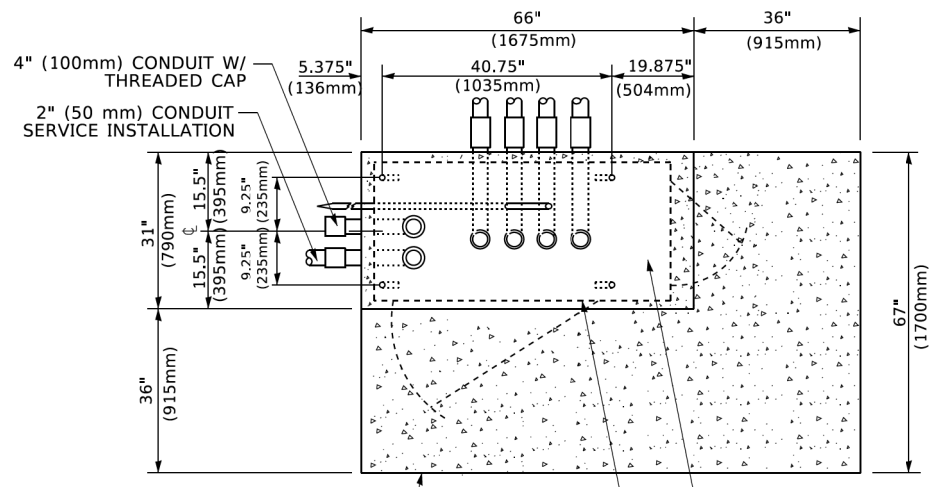


**TOP VIEW**

EXISTING APRON  
CONTROLLER CABINET BASE  
PROPOSED APRON



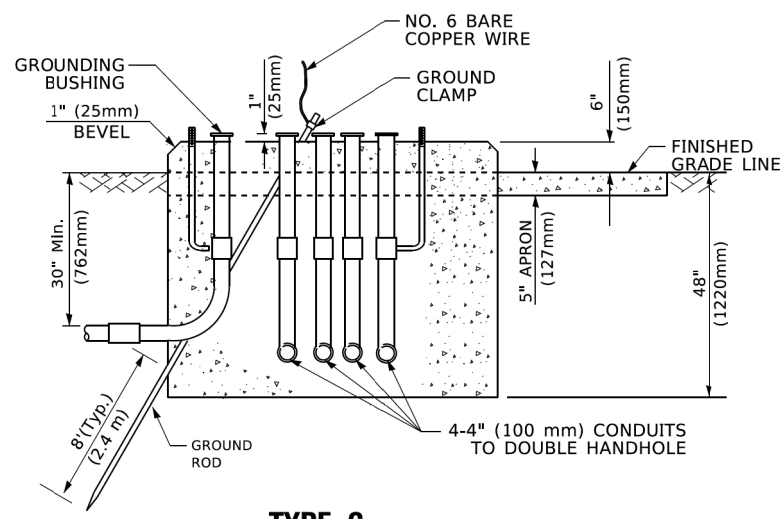
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



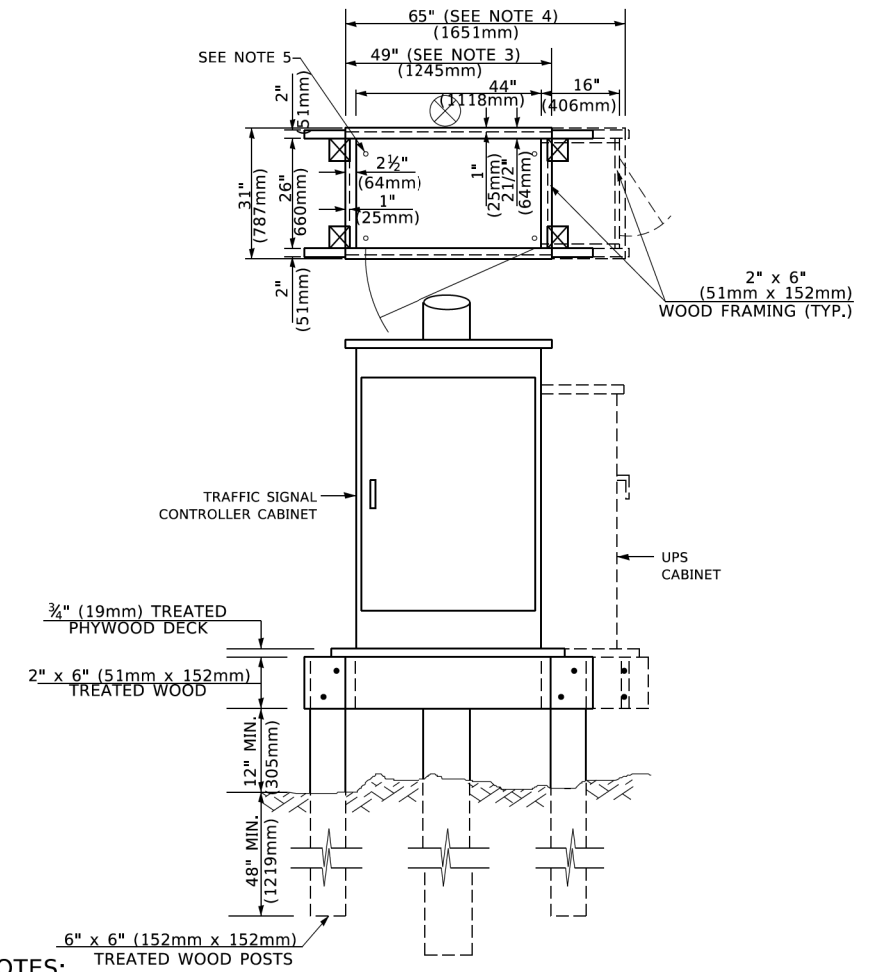
**TOP VIEW**

4" (100mm) CONDUIT W/ THREADED CAP  
2" (50 mm) CONDUIT SERVICE INSTALLATION  
APRON  
UPS BATTERY COMPARTMENT  
CONTROLLER CABINET BASE

**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)

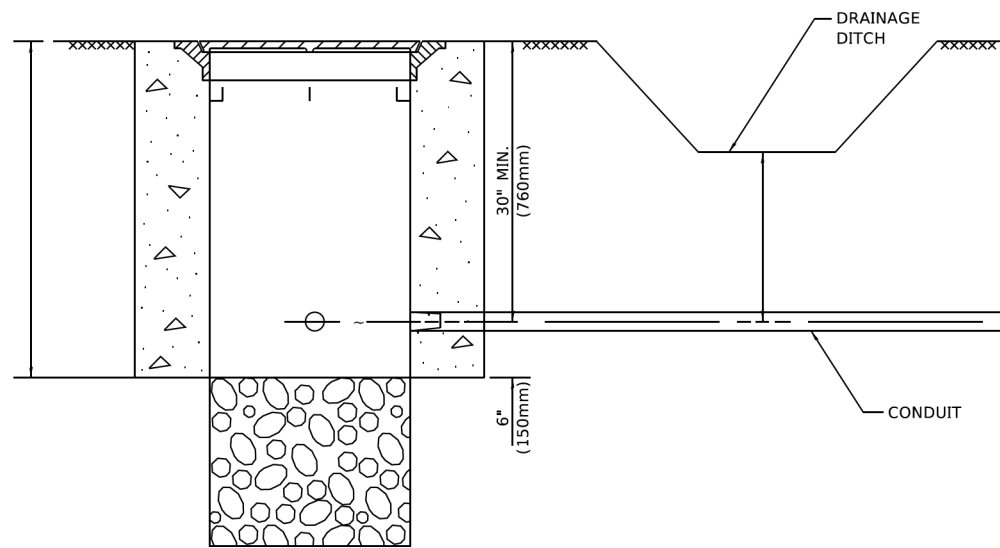
**NOTES:**

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**

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

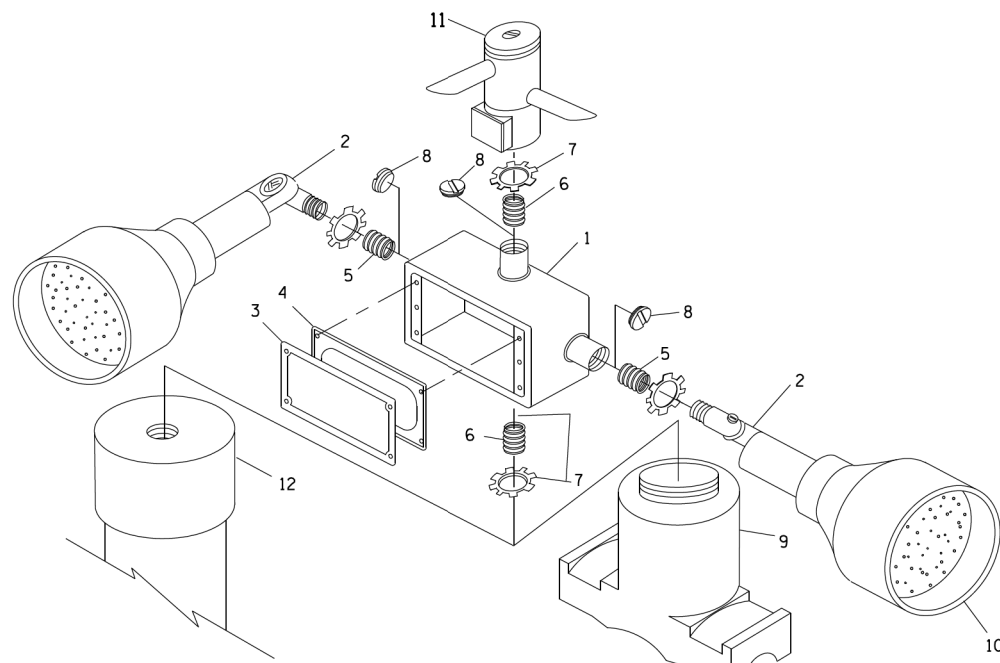




**NOTES:**

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

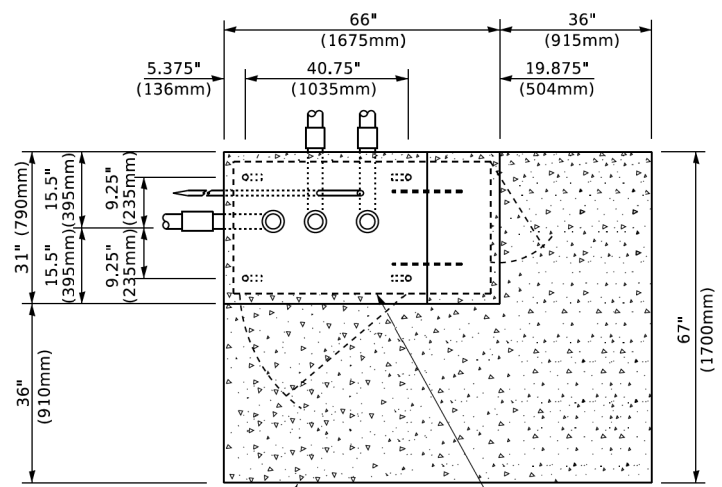
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



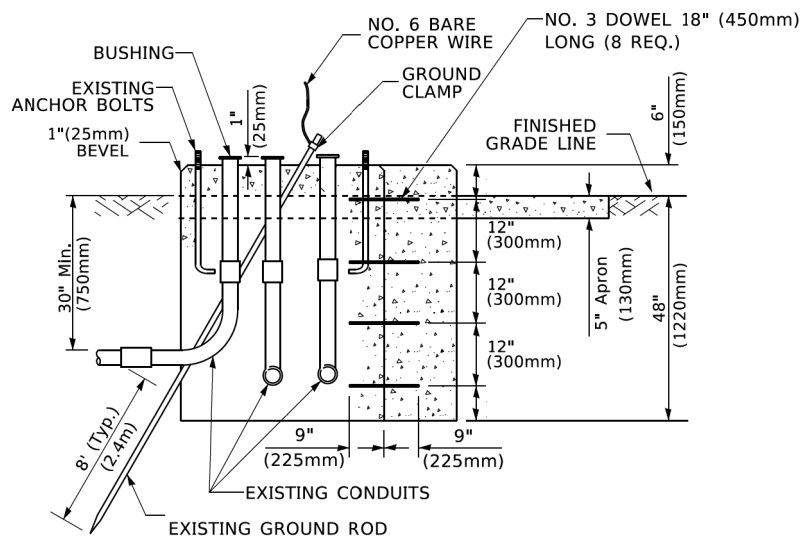
**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW (NOT TO SCALE)**

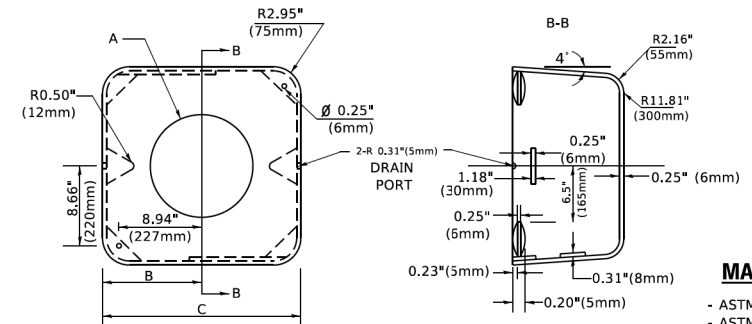


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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

**NOTES:**

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



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

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

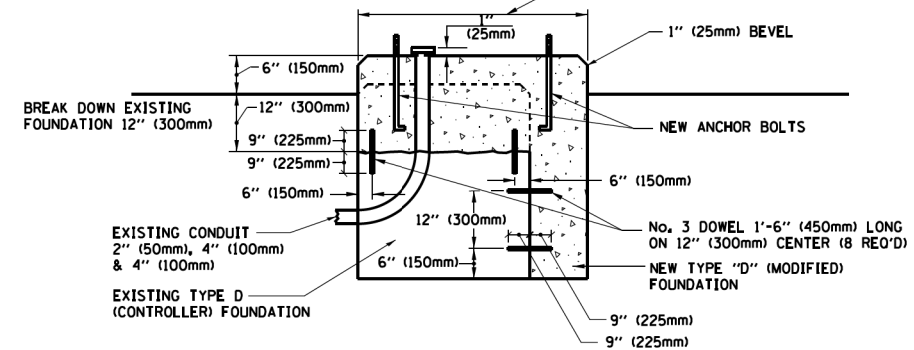
**SHROUD**

**NOTES:**

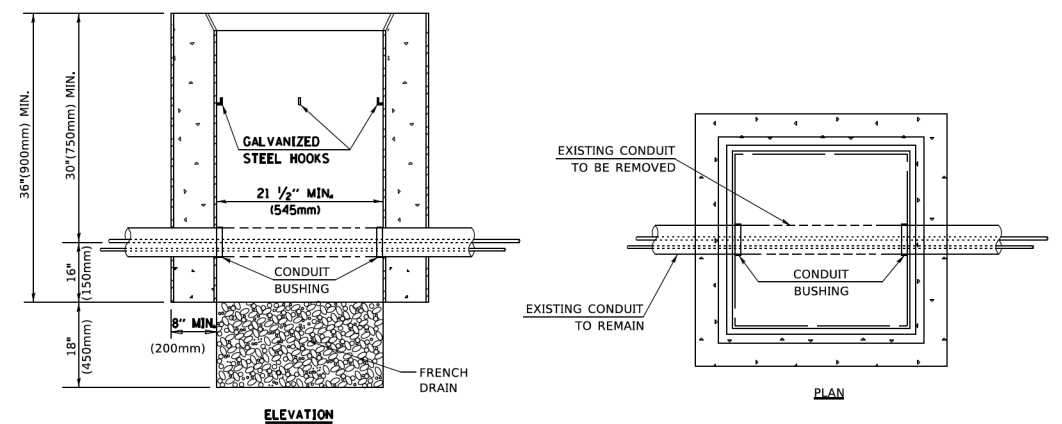
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

TS SHT NO. 6

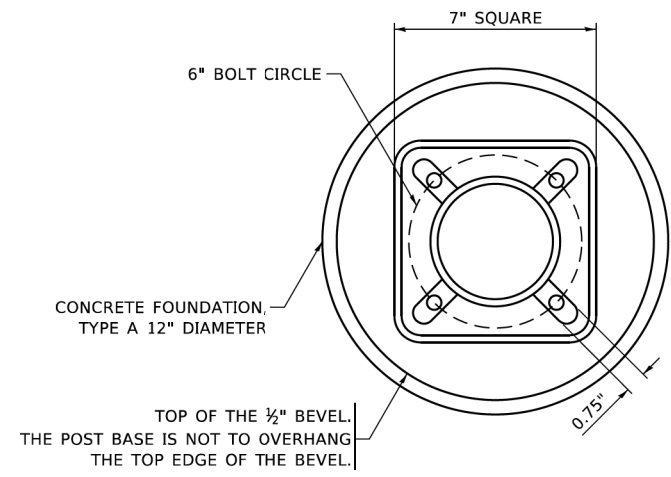
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>	
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	
SCALE: NONE	SHEET 6 OF 7 SHEETS STA. TO STA.

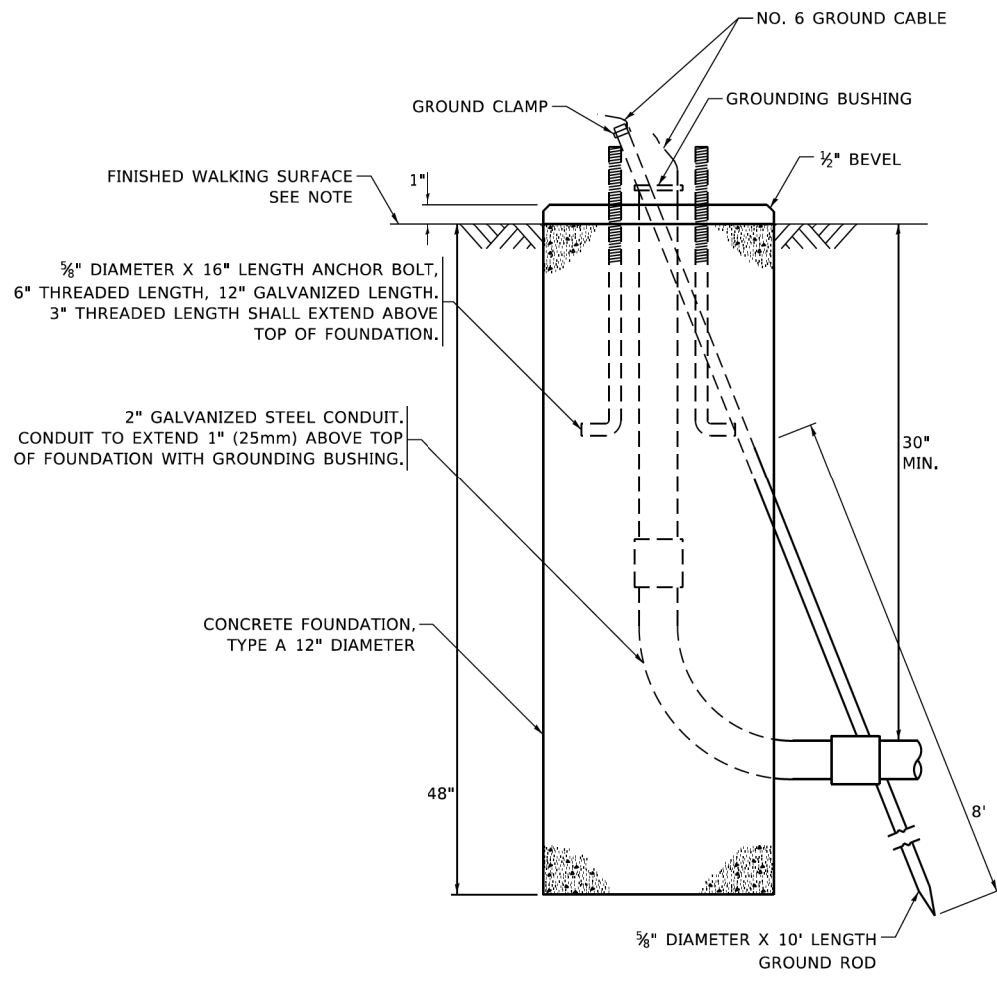
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 90
<b>TS-05</b>		CONTRACT NO. 61H49		
ILLINOIS / FED. AID PROJECT 93511746				



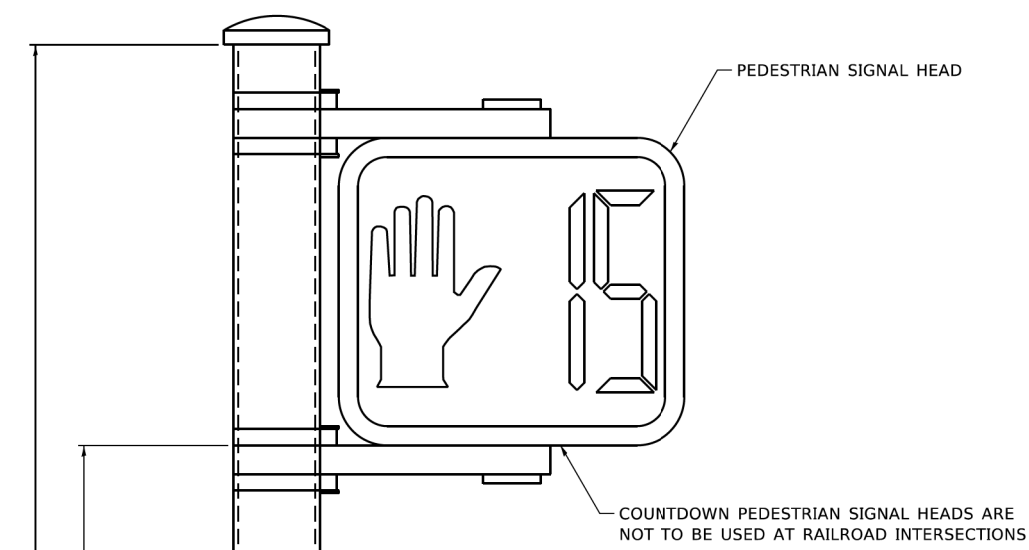


**BOLT PATTERN**

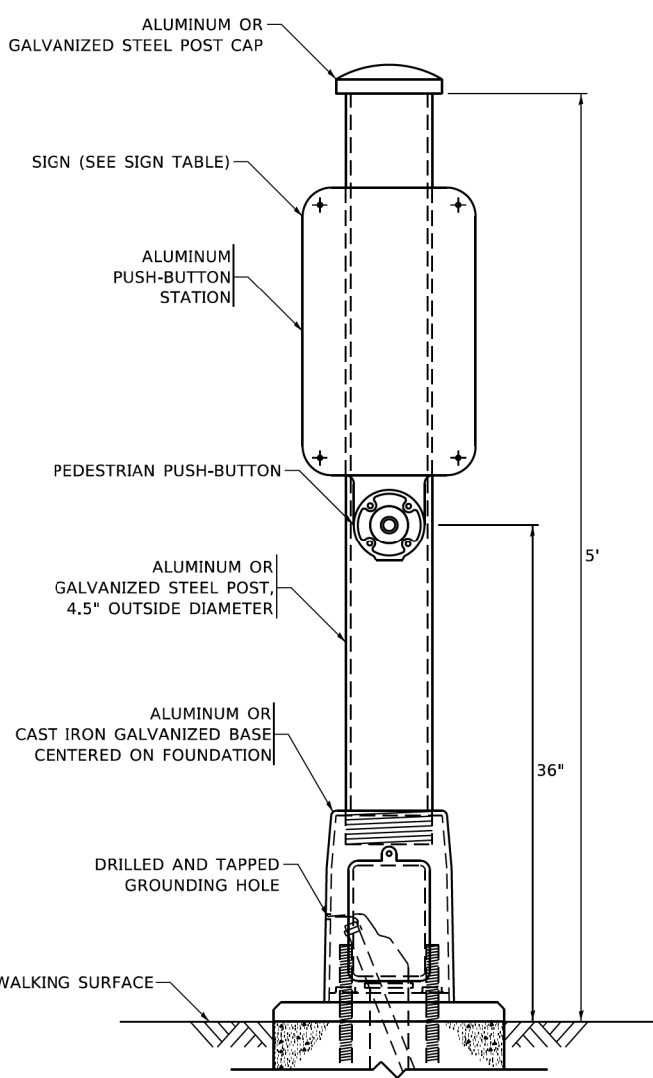
**NOTE:**  
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



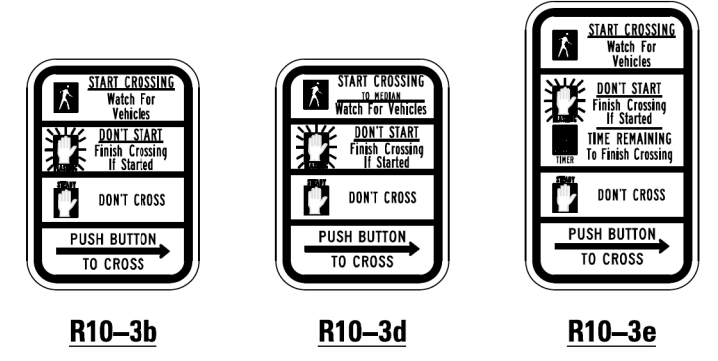
**CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**



**PEDESTRIAN SIGNAL POST, 5 FT.**



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

**NOTES:**  
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.  
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.  
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 7

MODEL: Default  
 FILE: N:\miller\pavement\miller\pavement\DOT Documents\DOT Office\District 1\Projects\IDHS\22-231\CAD\Drawings\CDshets\ts05.dgn

USER NAME = gagllanobt	DESIGNED - IP	REVISED - 10-15-2020
	DRAWN - IP	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -

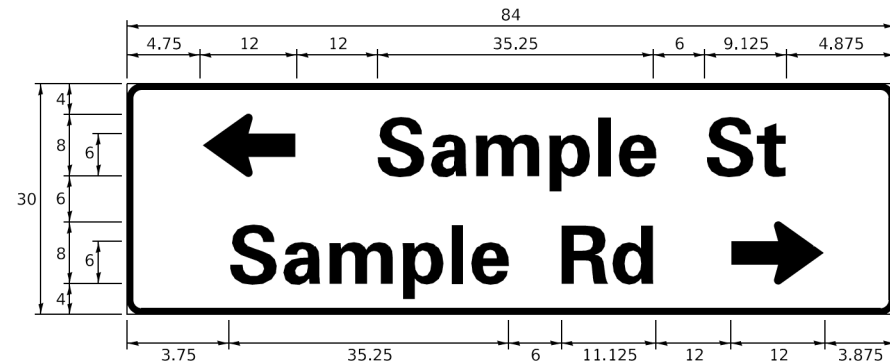
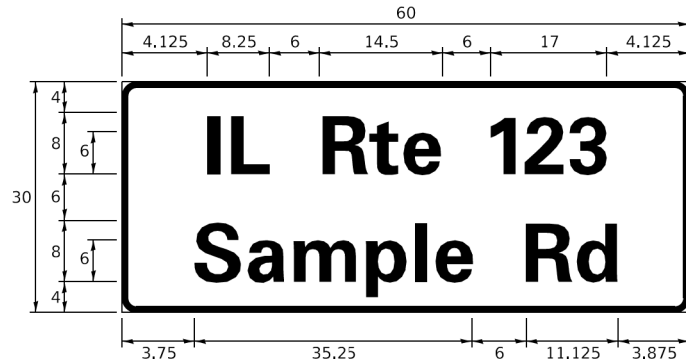
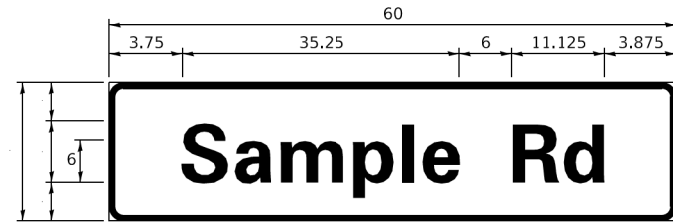
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	92
TS-05		CONTRACT NO. 61H49		
ILLINOIS FED. AID PROJECT 9351(746)				

**SIGN PANEL – TYPE 1 OR TYPE 2**



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

**COMMON STREET NAME ABBREVIATIONS AND WIDTHS**

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

**GENERAL NOTES**

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012. AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS 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 SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

**LOCAL SUPPLIERS:**

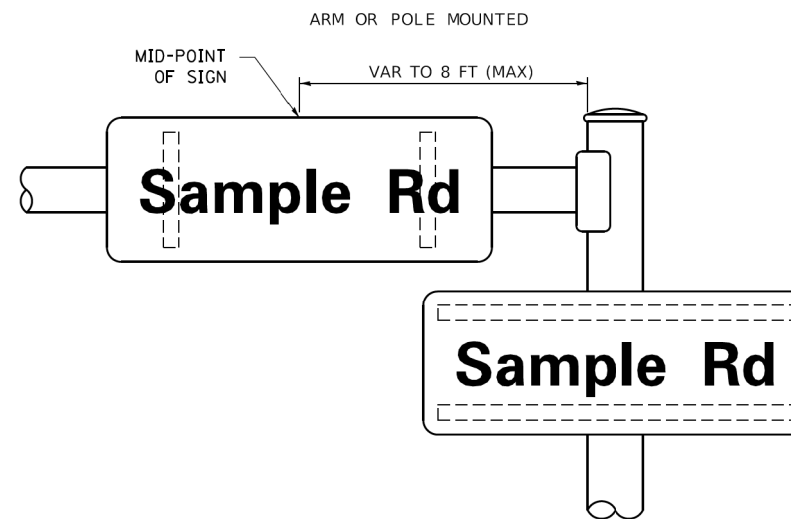
- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA
- WESTERN REMAC, INC.  
WOODRIDGE, IL

**PARTS LISTING:**

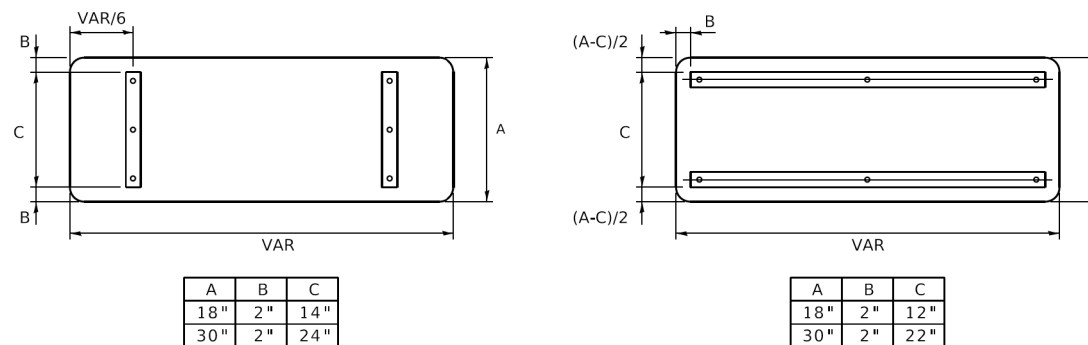
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS SELF TAPPING WITH NEOPRENE WASHER
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING PART #HPN034 (UNIVERSAL)

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

USER NAME	= footemj
DESIGNED	- LP/IP
DRAWN	- LP
PLOT SCALE	= 50.0000' / 1"
PLOT DATE	= 3/4/2019

CHECKED	- IP
DATE	- 10/01/2014

REVISED	- LP 07/01/2015
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE						
MAST ARM MOUNTED STREET NAME SIGNS						
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

F.A.P. RTE.	336
SECTION	17-00488-00-CH
COUNTY	KANE/KENDALL
TOTAL SHEETS	170
SHEET NO.	92
CONTRACT NO.	61H49
ILLINOIS	FED. AID PROJECT 9351(746)

TS-02
-------

CONTRACT NO.	61H49
--------------	-------

ILLINOIS	FED. AID PROJECT 9351(746)
----------	----------------------------

**GENERAL TRAFFIC SIGNAL NOTES:**

1. THE CONTRACTOR SHALL CONTACT THE DISTRICT 1 TRAFFIC OPERATIONS SECTION A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
3. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
4. TEMPORARY AND PROPOSED TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. LIGHT TAN COLORED TRAFFIC AND PEDESTRIAN SIGNAL REUSABLE COVERS SHALL BE USED TO COVER DARK/UN-ENERGIZED SIGNAL SECTIONS AND VISORS. COVERS SHALL BE MADE OF OUTDOOR FABRIC WITH URETHANE COATING FOR REPELLING WATER, HAVE ELASTIC FULLY SEWN AROUND THE COVER ENDS FOR A TIGHT FIT OVER THE VISOR, AND HAVE A MINIMUM OF TWO STRAPS WITH BUCKLES TO SECURE THE COVER TO THE BACKPLATE. A CENTER MESH STRIP ALLOWS VIEWING WITHOUT REMOVAL FOR SIGNAL STATUS TESTING PURPOSES. THIS COST SHALL BE INCLUDED WITH THE CONTRACT UNIT COST OF MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.
5. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2.5' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
6. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
7. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES AND JUNCTION BOXES WILL NOT BE ALLOWED.
8. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
10. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED. RESTORATION SHALL BE PAID FOR ER THE APPROPRIATE CONTRACT UNIT PRICE PAY ITEMS.
11. ALL SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE OR PERMANENT MAST ARMS SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
12. ALL TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP COMPLIANT. ONLY CONTROLLERS COMPATIBLE WITH KANE COUNTY'S CENTRAL SYSTEM SOFTWARE, TRANSUITE EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE. ALL CONTROLLERS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET.

**PROPOSED TRAFFIC SIGNAL NOTES:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL STATIONING IS FROM CENTERLINE OF ORCHARD ROAD UNLESS OTHERWISE NOTED.
3. STATIONS AND OFFSETS ARE ESTIMATED.
4. PUSH BUTTON DETECTORS MAY REQUIRE ADAPTER OR EXTENSION BRACKETS TO MEET ACCESSIBILITY REQUIREMENTS. WHEN NEEDED THE ADDITIONAL COSTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PEDESTRIAN PUSH BUTTON DETECTOR.
5. PUSH BUTTON LOCATIONS AS SHOWN ON THE PLANS ARE TO THE DESIGNATED POLE IN WHICH THEY ARE TO BE MOUNTED. THE EXACT ORIENTATION SHALL BE AS DETERMINED BY THE ENGINEER.
6. PROVIDE TWO TRUSS ARMS LOCATED AT THE TOP OF EACH COMBINATION POLE FOR MOUNTING THE ROADWAY LUMINAIRES. EACH POLE WITH LIGHTING ADDED WILL NEED TWO ARMS, 15-FT LENGTH, THAT ARE 90 DEGREES APART AND ORIENTED OVER THE ROADWAY AS SHOWN ON THE PLANS. LUMINAIRE MOUNTING HEIGHT SHALL BE 45-FT ABOVE THE PAVEMENT.
7. THE PROPOSED TRAFFIC SIGNAL CONTROLLER SHALL INCLUDE 2 - 30 AMP CIRCUIT BREAKERS FOR THE PROPOSED INTERSECTION LIGHTING. THE CIRCUIT BREAKERS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INLCUDED IN THE UNIT COST OF THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
8. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL INCLUDE AN ETHERNET MANAGED SWITCH, TYPE 2 TO CONNECT FIELD ELEMENTS TO THE KANE COUNTY ITS DATA-COMM NETWORK; IN ADDITION, IT ACTS AS AN AGGREGATION NODE AND GIGABIT ETHERNET ROUTER. THIS WORK WILL BE PAID FOR PER THE UNIT PRICE FOR ETHERNET MANAGED SWITCH, TYPE 2.

**TEMPORARY TRAFFIC SIGNAL AND INTERCONNECT NOTES:**

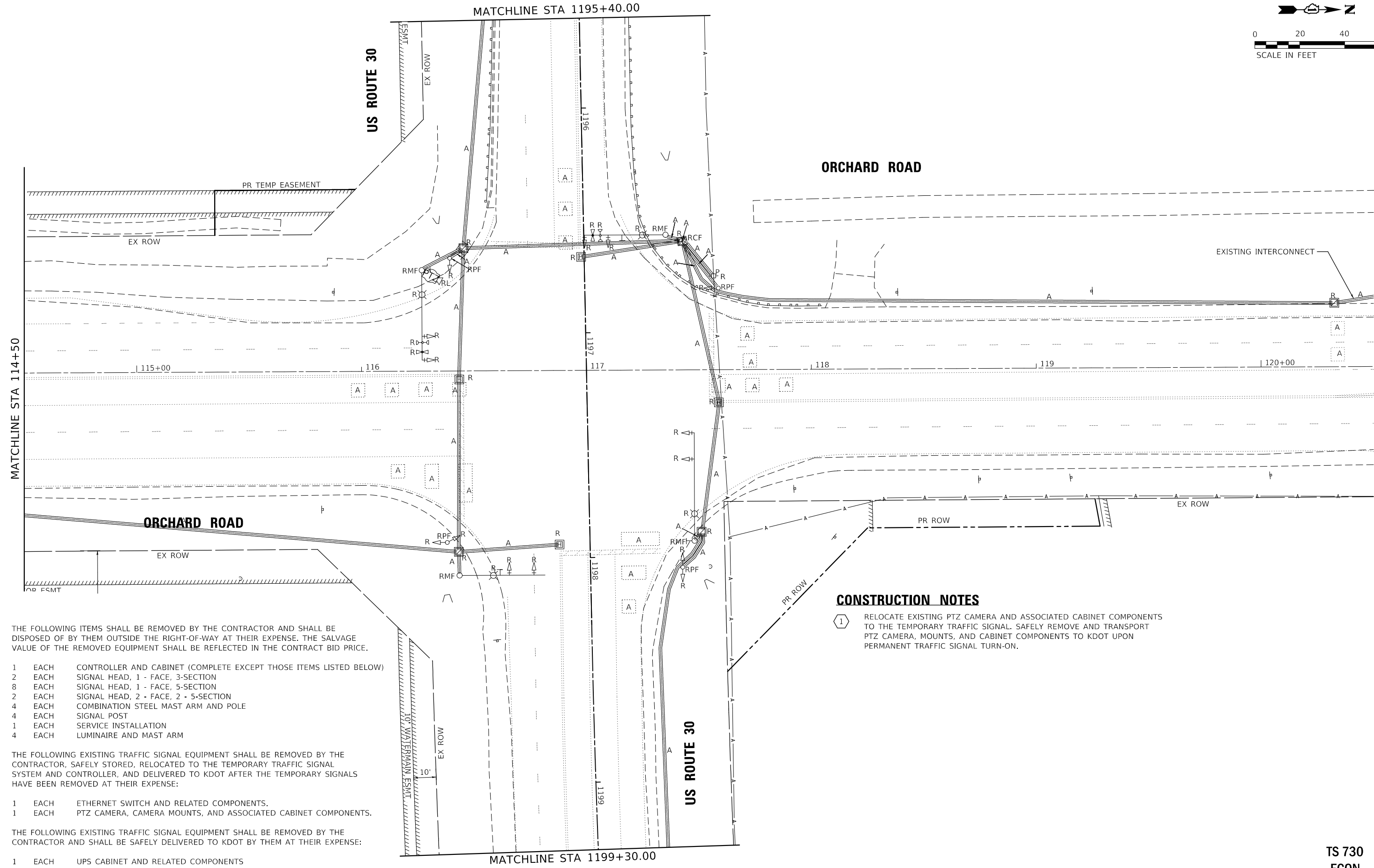
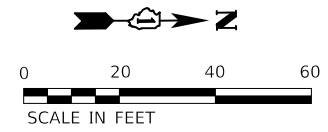
1. ALL CONTROL EQUIPMENT FOR THE TEMPORARY TRAFFIC SIGNAL AND INTERCONNECT SYSTEMS SHALL BE FURNISHED BY THE CONTRACTOR EXCEPT FOR THE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM (PTZ CAMERA), MOUNTING HARDWARE, AND ASSOCIATED CABINET COMPONENTS INCLUDING THE EXISTING VIDEO ENCODER WHICH SHALL BE RELOCATED FROM THE EXISTING TRAFFIC SIGNAL SYSTEM TO THE TEMPORARY TRAFFIC SIGNAL SYSTEM. THE RELOCATION OF THE PTZ AND PTZ EQUIPMENT WILL BE PAID FOR AS RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM
2. ALL TRAFFIC SIGNAL SECTIONS SHALL BE LED AND 12" DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER TO LINE UP WITH STAGE TRAFFIC LANES. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING.
3. TEMPORARY SIGNAL HEADS SHALL BE RELOCATED AS NECESSARY TO LINE UP WITH STAGE TRAFFIC LANES. DO NOT INSTALL HEADS THAT BLOCK OPPOSING TRAFFIC HEADS. WHEN POSSIBLE, PLACE TEMPORARY SIGNALS IN FRONT OF EXISTING TRAFFIC SIGNALS. THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. ALL EXISTING STREET NAME SIGNS SHALL BE REMOVED FROM EXISTING POLES AND EXISTING MAST ARMS, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
5. REGULATORY SIGN AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLANS BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
6. THE UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TIME OF THE TEMPORARY TRAFFIC SIGNAL TURN ON.
7. THE EXISTING TRAFFIC SIGNAL INSTALLATION SHALL BE DISCONNECTED AND ALL THE EXISTING, SIGNAL HEADS SHALL BE BAGGED WHEN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION IS IN PLACE AND IN OPERATION. PROPOSED TRAFFIC SIGNAL HEADS SHALL BE BAGGED UNTIL THEY BECOME OPERATIONAL.
8. UPON COMPLETION OF THE CONSTRUCTION ACTIVITIES, AND PRIOR TO REMOVAL OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, ALL THE PROPOSED TRAFFIC SIGNAL HEADS IN PLACE SHALL BE UNBAGGED AND THE EXISTING TRAFFIC SIGNAL INSTALLATION SHALL BE MADE OPERATIONAL AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION".
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
10. THE EXISTING ETHERNET MANAGED SWITCH, TYPE 2 SHALL BE RELOCATED FROM THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO THE THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET TO CONNECT FIELD ELEMENTS TO THE KANE COUNTY ITS DATA-COMM NETWORK; IN ADDITION, IT ACTS AS AN AGGREGATION NODE AND GIGABIT ETHERNET ROUTER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNALS.
11. THE AERIAL FIBER OPTIC CABLE SHALL BE 36 SINGLE MODE AND SHALL MEET KANE COUNTY FIBER OPTIC CABLE REQUIREMENTS.
12. THE AERIAL FIBER OPTIC CABLE SHALL BE INSTALLED PER ARTICAL 871.04(b) AND THE SPAN WIRE SHALL BE PER ARTICLES 872.02(a) AND 872.03 OF THE SSRBC.

TS SHT NO.9

MODEL: D:\m\h\... FILE: 20230101100287\_OrchardRoadSignalReqs30.cadd\Clu\Doc\Sheet\1802871-TS-01\_General\_Notes.dgn

TS 730  
ECON

 <b>WBK ENGINEERING, LLC</b> 116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755	USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL PLAN GENERAL NOTES</b> <b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:40	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021					336	17-00488-00-CH	KANE/KENDALL	170	93
	PLOT DATE = 11/17/2021	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021					CONTRACT NO. 61H49				
	DATE - 10/04/2021	REV. - 11/03/2021	REV. -		SCALE: NTS	SHEET 1	OF 1	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT 93511746			



**CONSTRUCTION NOTES**

- 1 RELOCATE EXISTING PTZ CAMERA AND ASSOCIATED CABINET COMPONENTS TO THE TEMPORARY TRAFFIC SIGNAL. SAFELY REMOVE AND TRANSPORT PTZ CAMERA, MOUNTS, AND CABINET COMPONENTS TO KDOT UPON PERMANENT TRAFFIC SIGNAL TURN-ON.

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 EXCEPT THOSE ITEMS LISTED BELOW)
- 2 EACH SIGNAL HEAD, 1 - FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1 - FACE, 5-SECTION
- 2 EACH SIGNAL HEAD, 2 - FACE, 2 - 5-SECTION
- 4 EACH COMBINATION STEEL MAST ARM AND POLE
- 4 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION
- 4 EACH LUMINAIRE AND MAST ARM

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, RELOCATED TO THE TEMPORARY TRAFFIC SIGNAL SYSTEM AND CONTROLLER, AND DELIVERED TO KDOT AFTER THE TEMPORARY SIGNALS HAVE BEEN REMOVED AT THEIR EXPENSE:

- 1 EACH ETHERNET SWITCH AND RELATED COMPONENTS.
- 1 EACH PTZ CAMERA, CAMERA MOUNTS, AND ASSOCIATED CABINET COMPONENTS.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE SAFELY DELIVERED TO KDOT BY THEM AT THEIR EXPENSE:

- 1 EACH UPS CABINET AND RELATED COMPONENTS

TS SHT NO. 10

MODEL: D:\m\17-00488-00-CH\Drawings\TS 730\17-00488-00-CH-TS-02\_Removal.dgn  
FILE NAME: 202101180287\_OrchardRoadatRoute30\_cadd\Civil\Drawings\180287-TS-02\_Removal.dgn



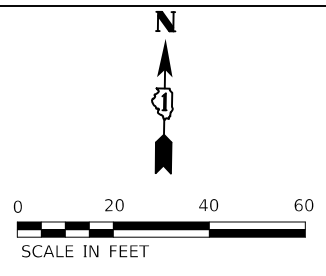
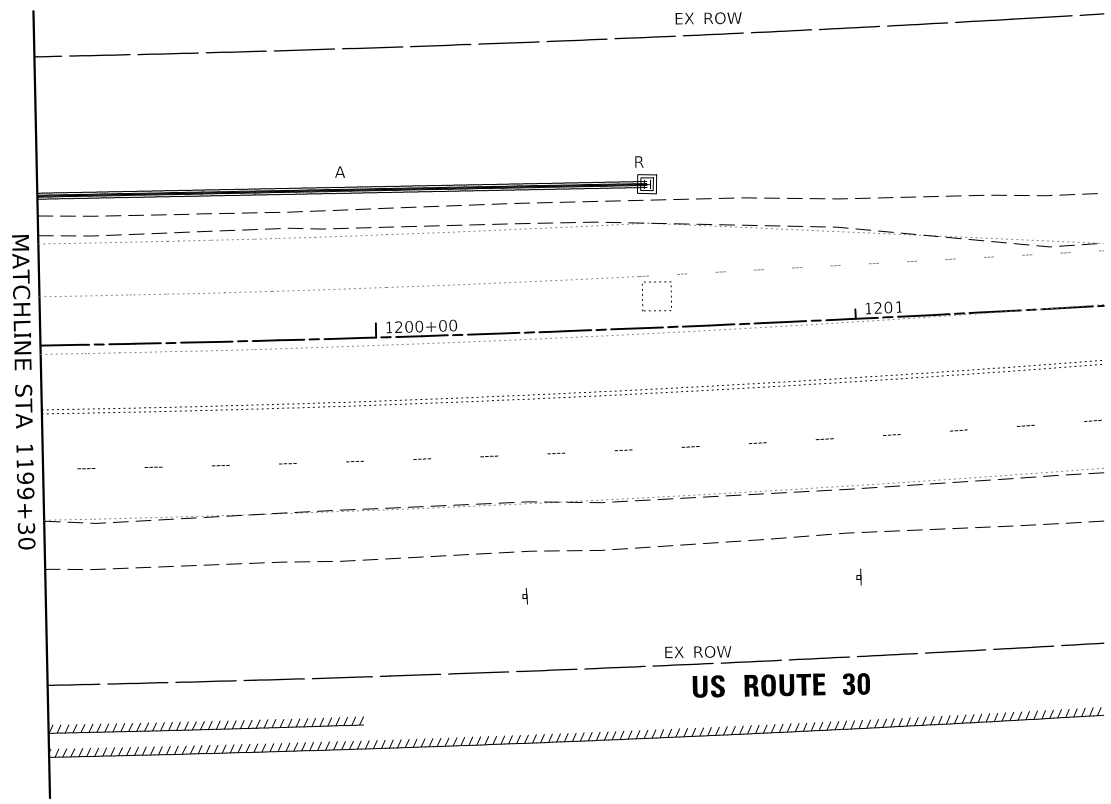
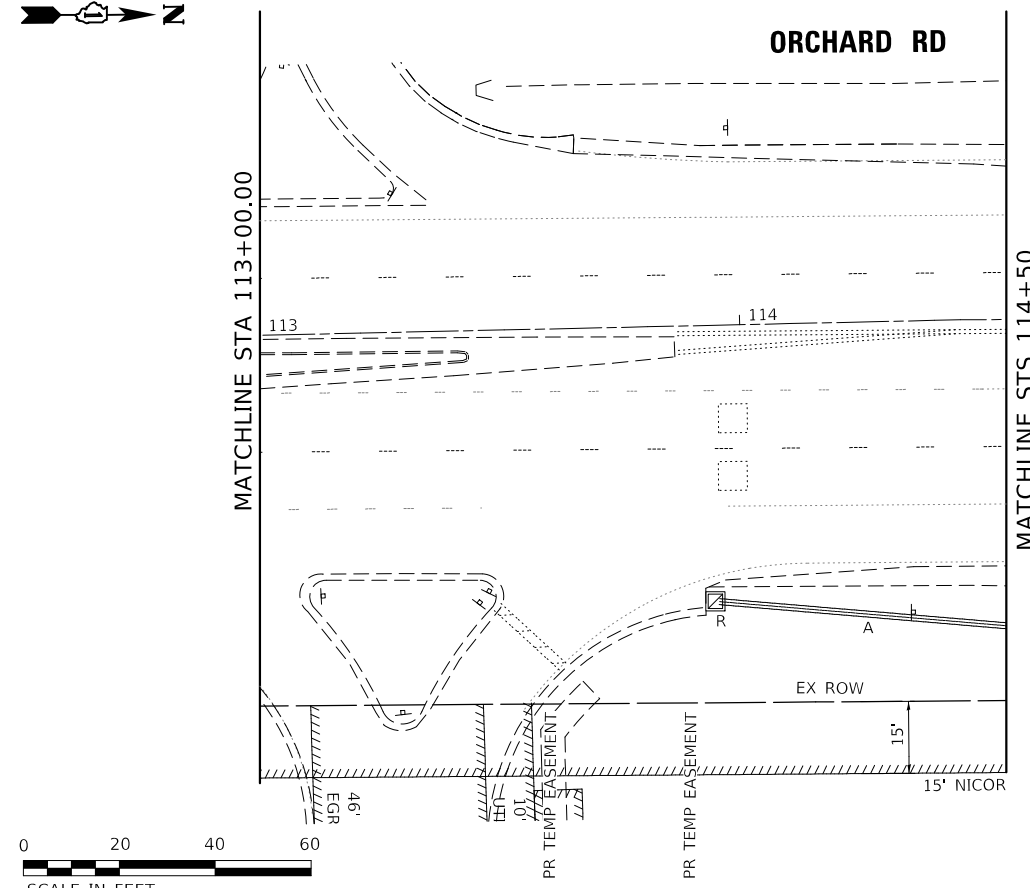
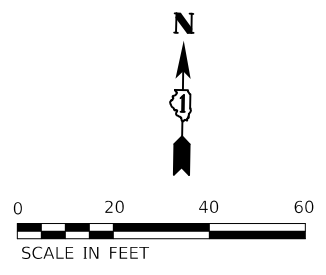
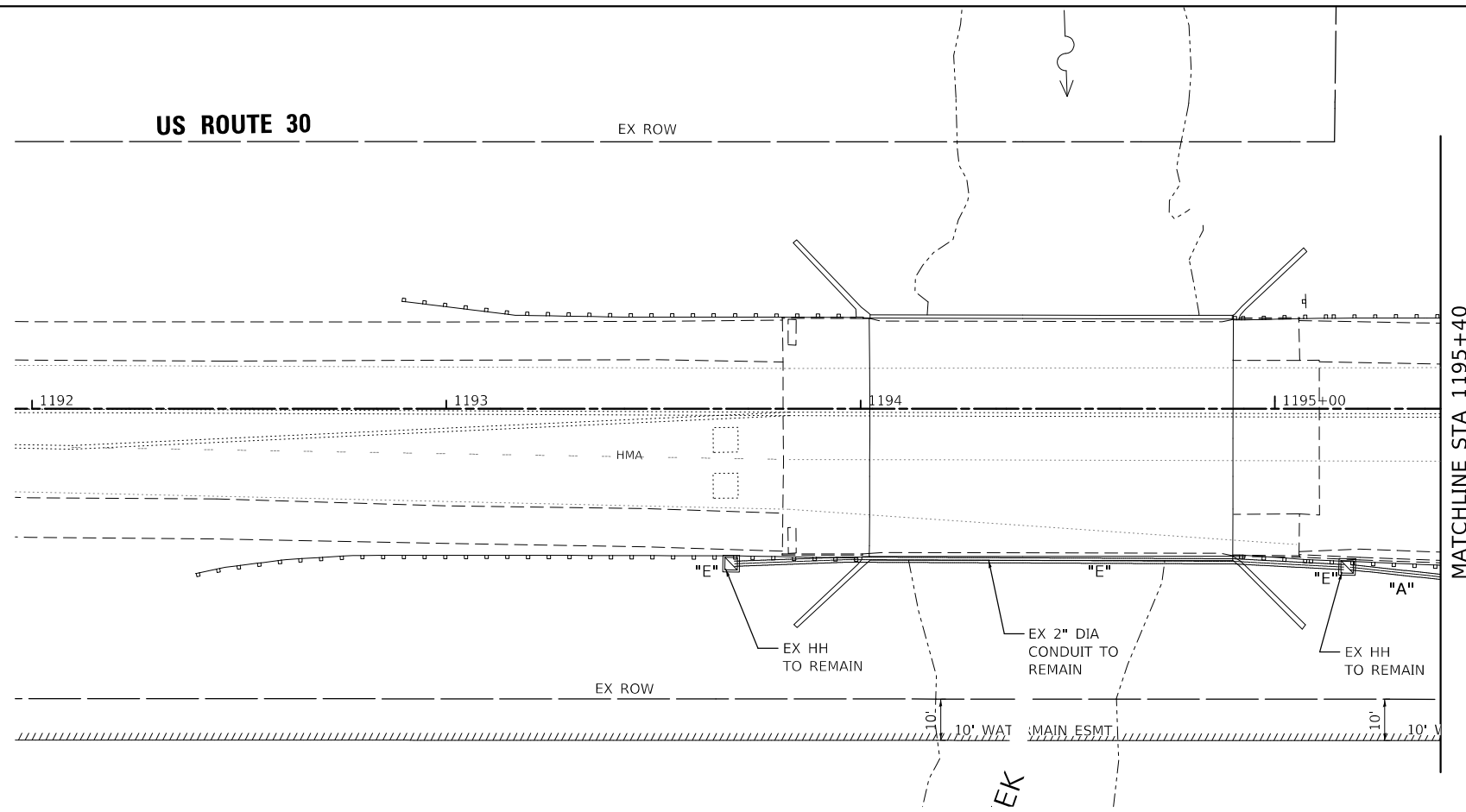
USER NAME = awueller	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL REMOVAL PLAN</b>			
<b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE: 1" = 20'	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 94
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**TS 730  
ECON**



TS SHT NO. 11

M:\Full Design\2021\11\180287\_OrchardRd\Stationing\180287-TS-03\_Removal.dgn



**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL PLAN  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	95
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				

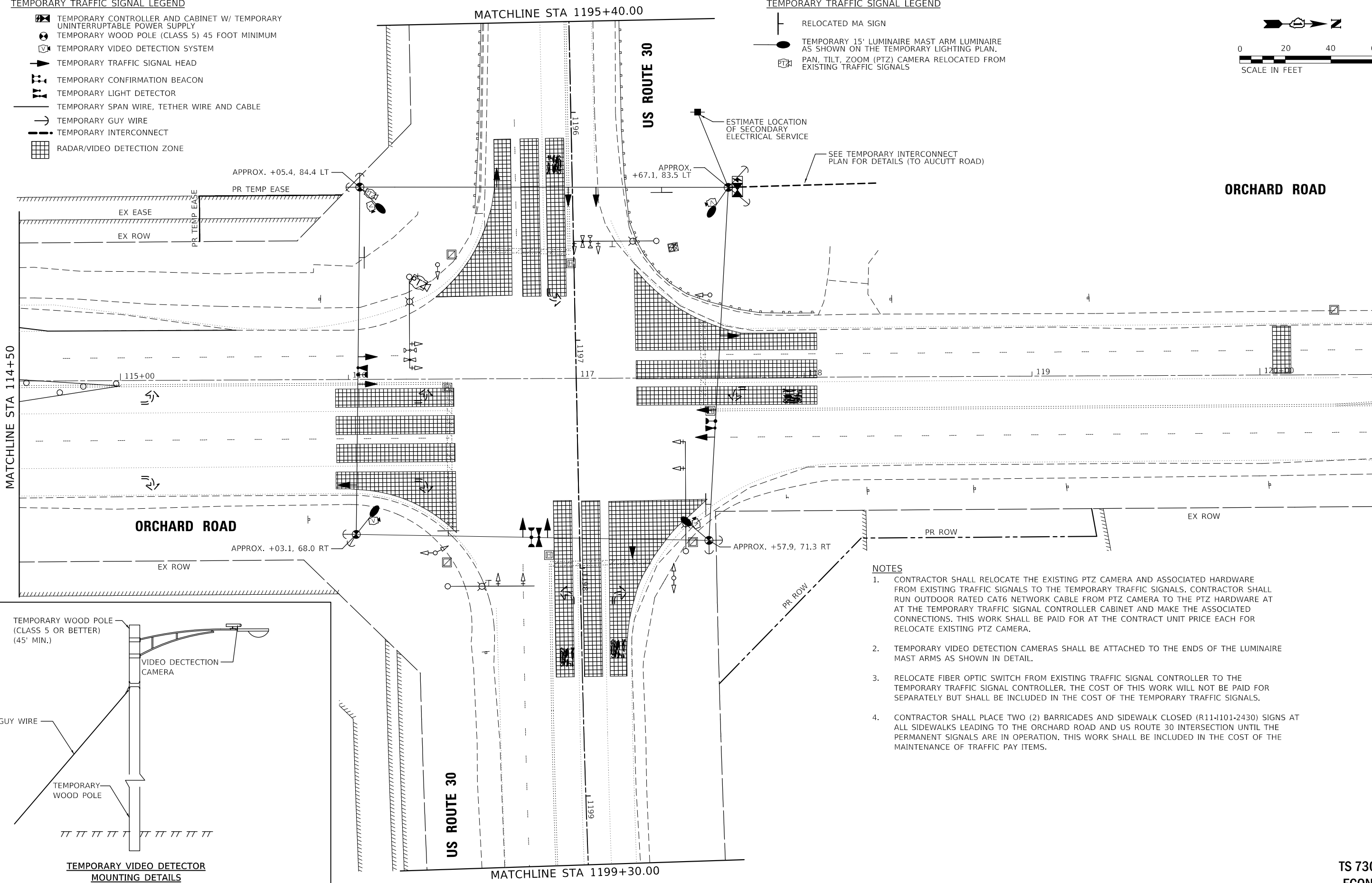
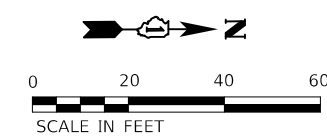
**TS 730  
 ECON**

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY CONTROLLER AND CABINET W/ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY WOOD POLE (CLASS 5) 45 FOOT MINIMUM
- TEMPORARY VIDEO DETECTION SYSTEM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY CONFIRMATION BEACON
- TEMPORARY LIGHT DETECTOR
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY INTERCONNECT
- RADAR/VIDEO DETECTION ZONE

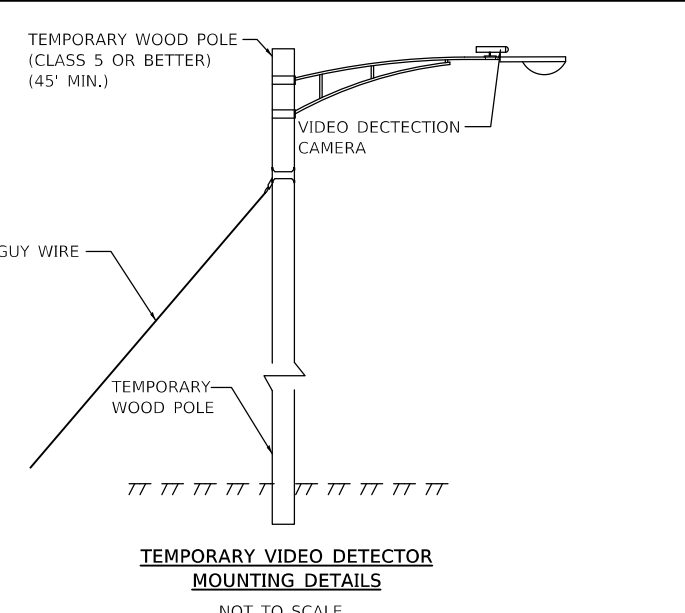
TEMPORARY TRAFFIC SIGNAL LEGEND

- RELOCATED MA SIGN
- TEMPORARY 15' LUMINAIRE MAST ARM LUMINAIRE AS SHOWN ON THE TEMPORARY LIGHTING PLAN.
- PAN, TILT, ZOOM (PTZ) CAMERA RELOCATED FROM EXISTING TRAFFIC SIGNALS



NOTES

1. CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND ASSOCIATED HARDWARE FROM EXISTING TRAFFIC SIGNALS TO THE TEMPORARY TRAFFIC SIGNALS. CONTRACTOR SHALL RUN OUTDOOR RATED CAT6 NETWORK CABLE FROM PTZ CAMERA TO THE PTZ HARDWARE AT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET AND MAKE THE ASSOCIATED CONNECTIONS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RELOCATE EXISTING PTZ CAMERA.
2. TEMPORARY VIDEO DETECTION CAMERAS SHALL BE ATTACHED TO THE ENDS OF THE LUMINAIRE MAST ARMS AS SHOWN IN DETAIL.
3. RELOCATE FIBER OPTIC SWITCH FROM EXISTING TRAFFIC SIGNAL CONTROLLER TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNALS.
4. CONTRACTOR SHALL PLACE TWO (2) BARRICADES AND SIDEWALK CLOSED (R11-1101-2430) SIGNS AT ALL SIDEWALKS LEADING TO THE ORCHARD ROAD AND US ROUTE 30 INTERSECTION UNTIL THE PERMANENT SIGNALS ARE IN OPERATION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE MAINTENANCE OF TRAFFIC PAY ITEMS.



TS SHT NO. 12

TS 730  
ECON



WBK ENGINEERING, LLC  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - EXISTING / PRESTAGE  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION  
SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

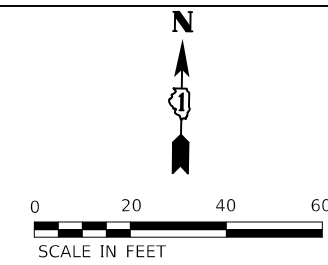
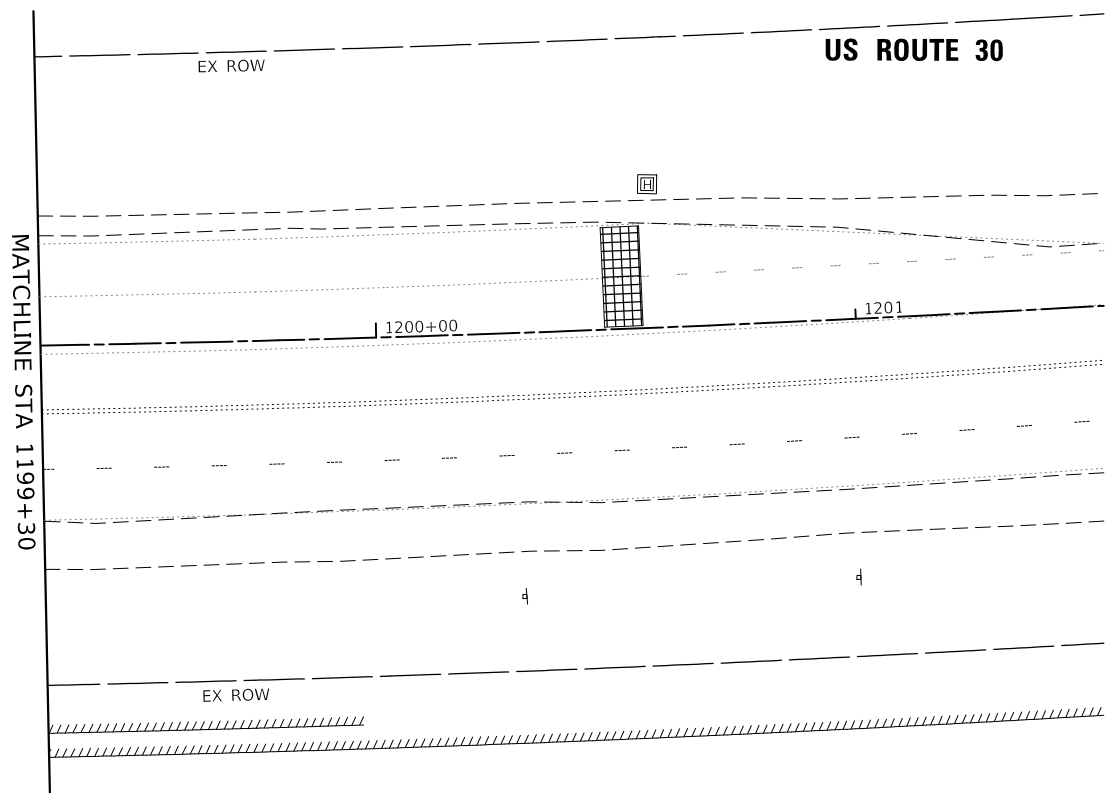
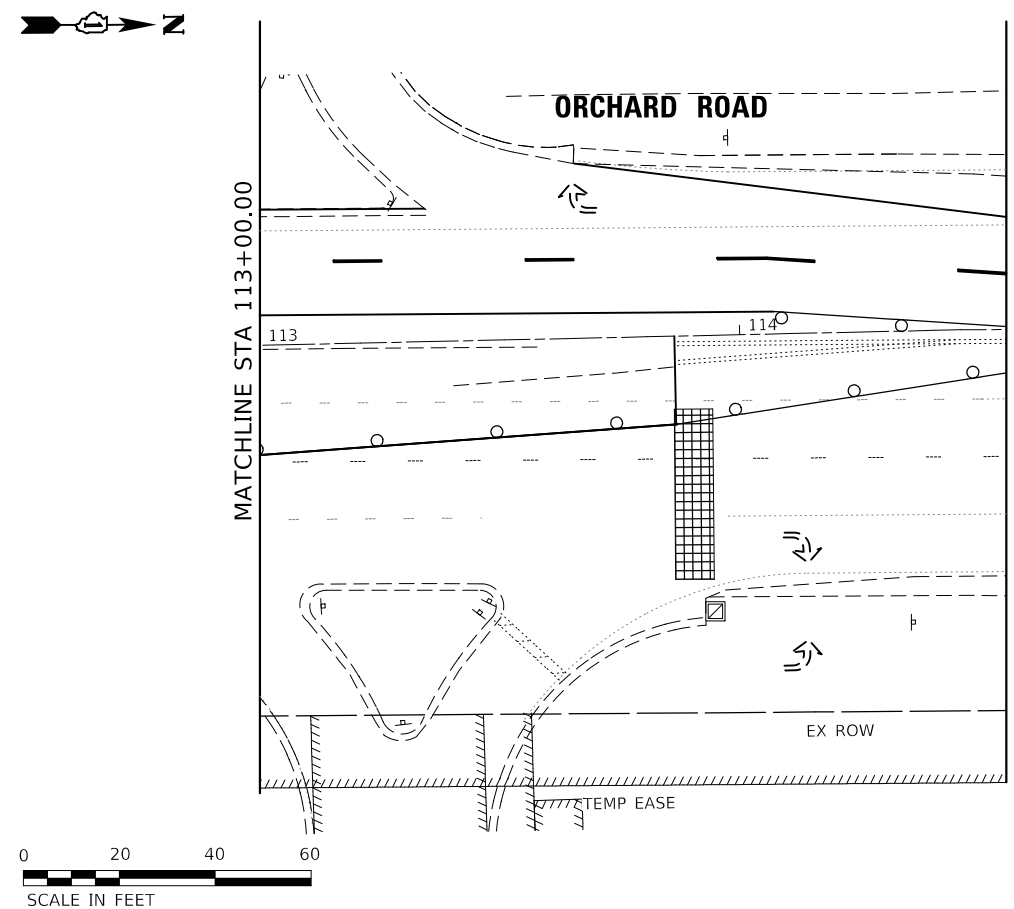
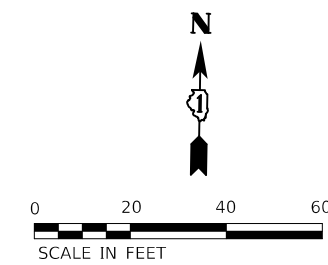
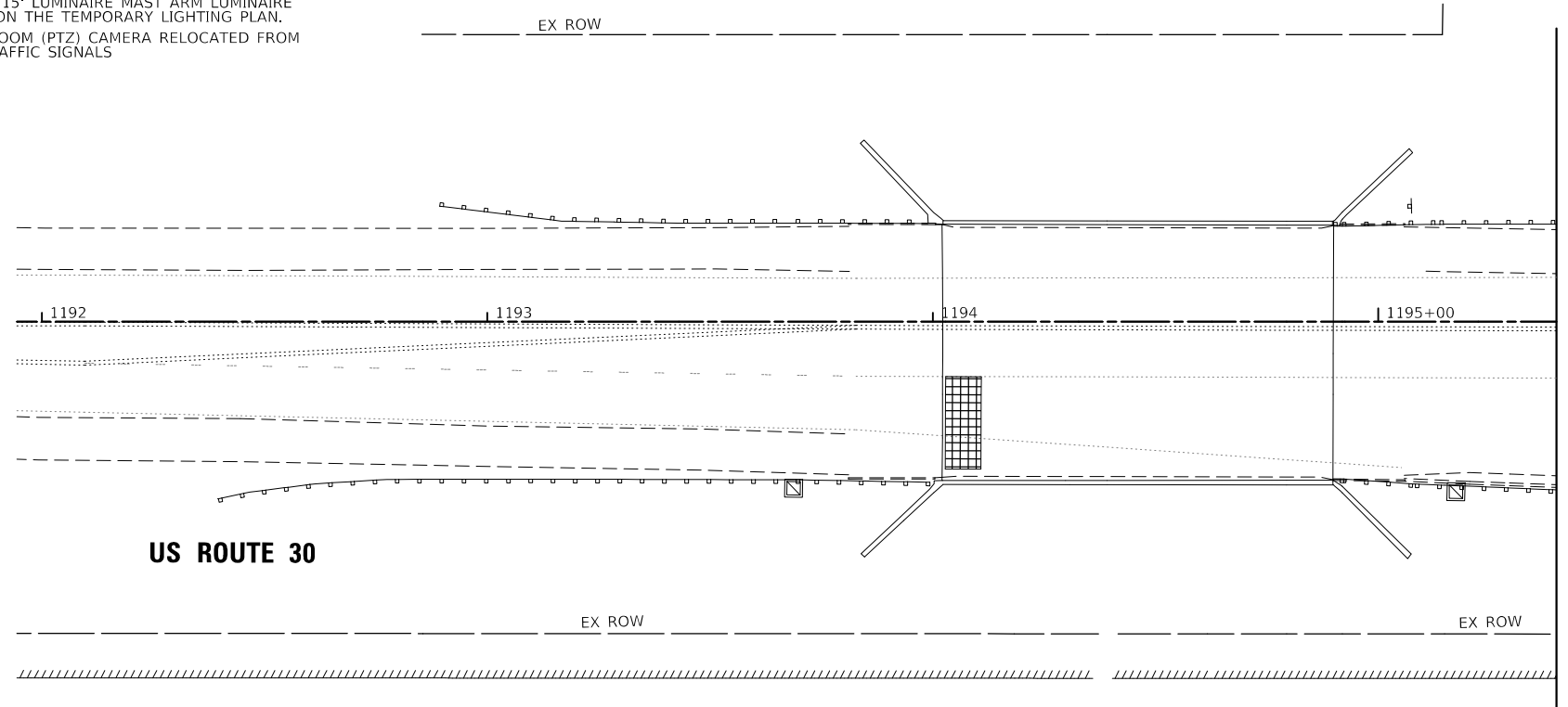
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	96
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY CONTROLLER AND CABINET W/ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY WOOD POLE (CLASS 5) 45 FOOT MINIMUM
- TEMPORARY VIDEO DETECTION SYSTEM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY CONFIRMATION BEACON
- TEMPORARY LIGHT DETECTOR
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY INTERCONNECT
- RADAR/VIDEO DETECTION ZONE

TEMPORARY TRAFFIC SIGNAL LEGEND

- RELOCATED MA SIGN
- TEMPORARY 15' LUMINAIRE MAST ARM LUMINAIRE AS SHOWN ON THE TEMPORARY LIGHTING PLAN.
- PAN, TILT, ZOOM (PTZ) CAMERA RELOCATED FROM EXISTING TRAFFIC SIGNALS



TS SHT NO. 13

\\s01\proj\17\11180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\180287-TS-04b\_Temporary\_Layout\_Existing.dgn

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - EXISTING / PRESTAGE  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	97
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

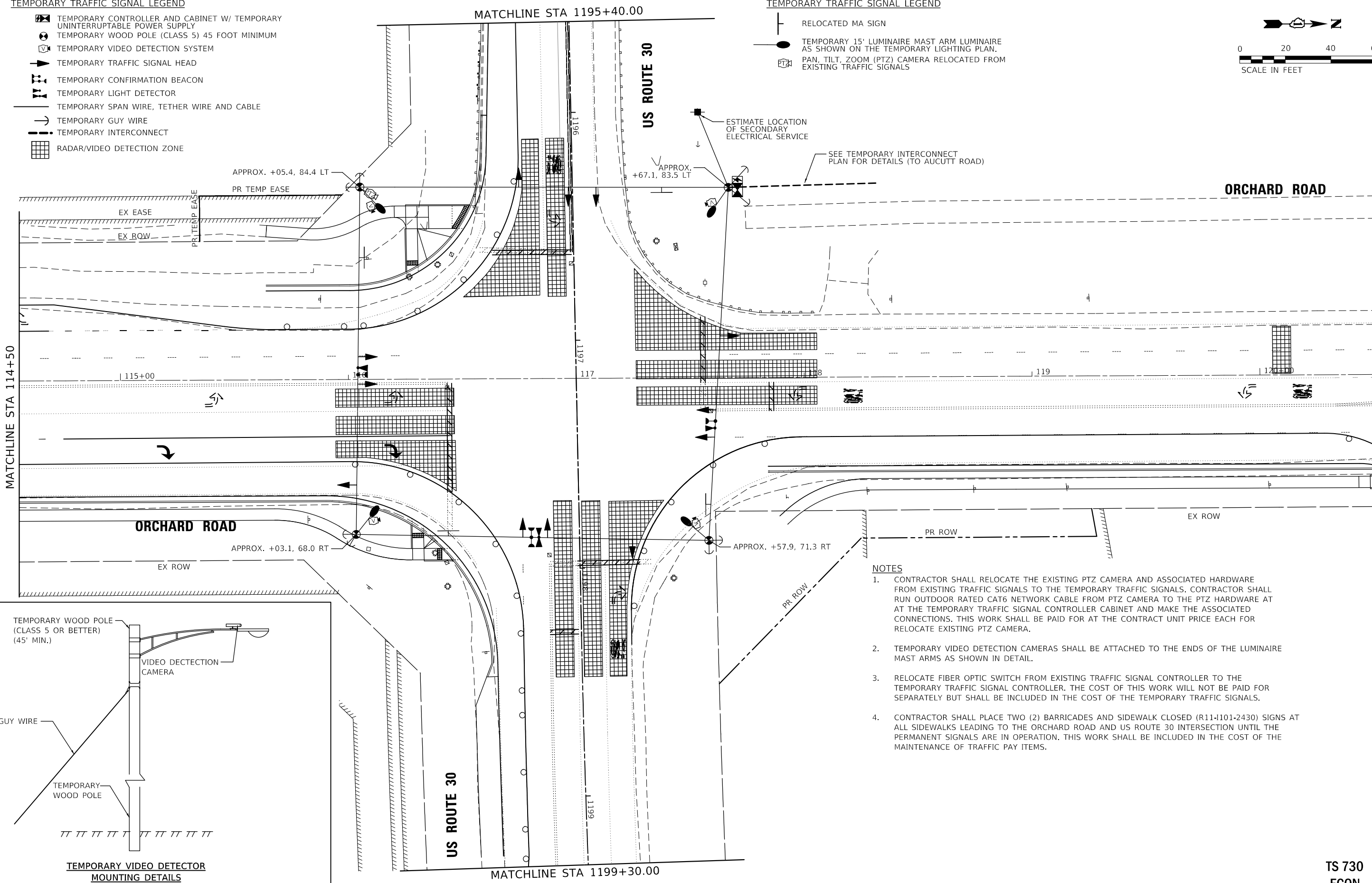
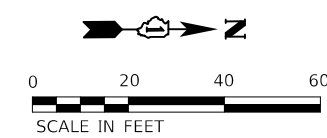
TS 730  
 ECON

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY CONTROLLER AND CABINET W/ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY WOOD POLE (CLASS 5) 45 FOOT MINIMUM
- TEMPORARY VIDEO DETECTION SYSTEM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY CONFIRMATION BEACON
- TEMPORARY LIGHT DETECTOR
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY INTERCONNECT
- RADAR/VIDEO DETECTION ZONE

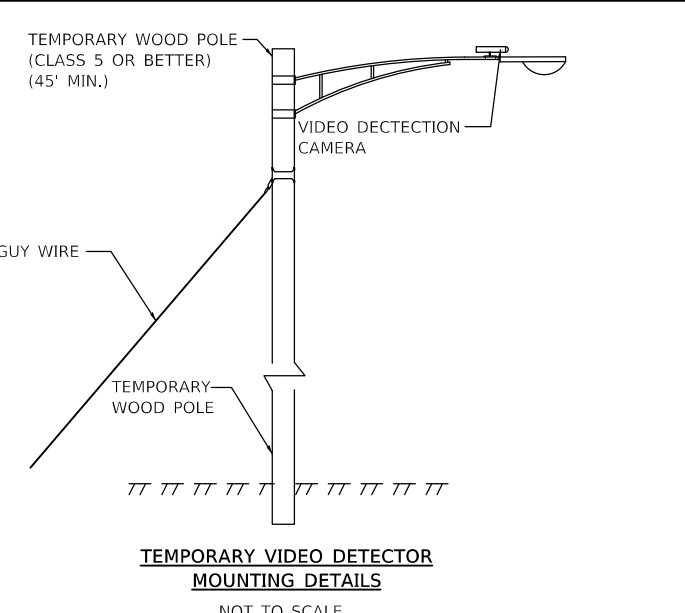
TEMPORARY TRAFFIC SIGNAL LEGEND

- RELOCATED MA SIGN
- TEMPORARY 15' LUMINAIRE MAST ARM LUMINAIRE AS SHOWN ON THE TEMPORARY LIGHTING PLAN.
- PAN, TILT, ZOOM (PTZ) CAMERA RELOCATED FROM EXISTING TRAFFIC SIGNALS



NOTES

1. CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND ASSOCIATED HARDWARE FROM EXISTING TRAFFIC SIGNALS TO THE TEMPORARY TRAFFIC SIGNALS. CONTRACTOR SHALL RUN OUTDOOR RATED CAT6 NETWORK CABLE FROM PTZ CAMERA TO THE PTZ HARDWARE AT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET AND MAKE THE ASSOCIATED CONNECTIONS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RELOCATE EXISTING PTZ CAMERA.
2. TEMPORARY VIDEO DETECTION CAMERAS SHALL BE ATTACHED TO THE ENDS OF THE LUMINAIRE MAST ARMS AS SHOWN IN DETAIL.
3. RELOCATE FIBER OPTIC SWITCH FROM EXISTING TRAFFIC SIGNAL CONTROLLER TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNALS.
4. CONTRACTOR SHALL PLACE TWO (2) BARRICADES AND SIDEWALK CLOSED (R11-1101-2430) SIGNS AT ALL SIDEWALKS LEADING TO THE ORCHARD ROAD AND US ROUTE 30 INTERSECTION UNTIL THE PERMANENT SIGNALS ARE IN OPERATION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE MAINTENANCE OF TRAFFIC PAY ITEMS.



TS SHT NO. 14

MODEL: D:\m\it... FILE: 202301181102287\_OrchardRoadatRoute30.cadd\Cl\UDm\Sh11802287-TS-014- Temporary Layout - Stage-1a.dgn



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 1A  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 98
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**TS 730  
ECON**

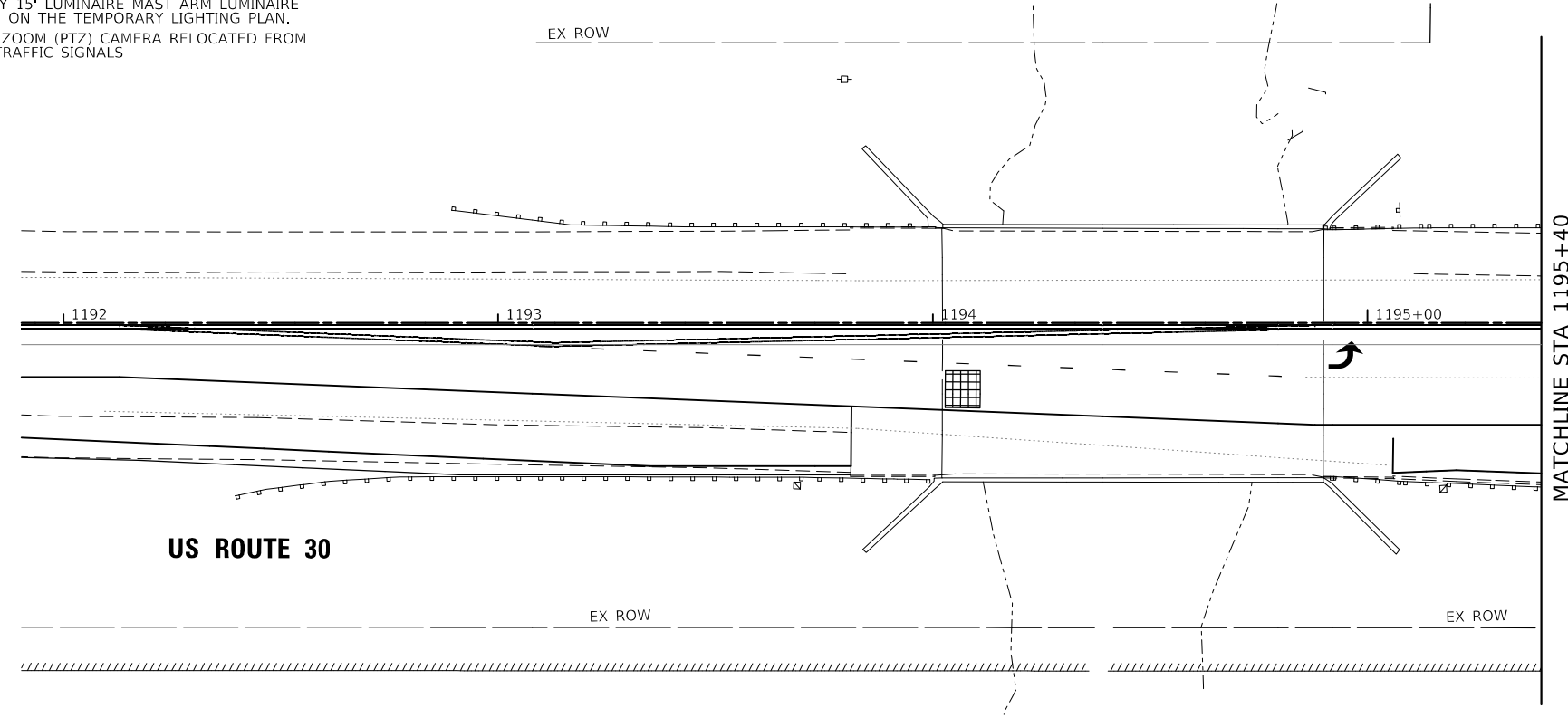


TEMPORARY TRAFFIC SIGNAL LEGEND

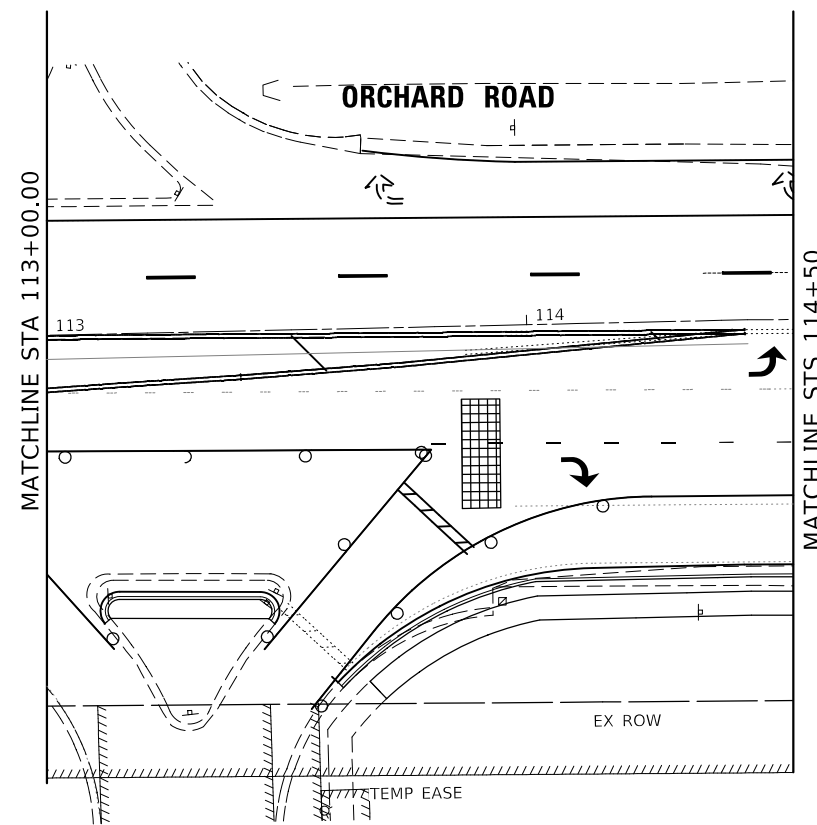
- TEMPORARY CONTROLLER AND CABINET W/ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY WOOD POLE (CLASS 5) 45 FOOT MINIMUM
- TEMPORARY VIDEO DETECTION SYSTEM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY CONFIRMATION BEACON
- TEMPORARY LIGHT DETECTOR
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY INTERCONNECT
- RADAR/VIDEO DETECTION ZONE

TEMPORARY TRAFFIC SIGNAL LEGEND

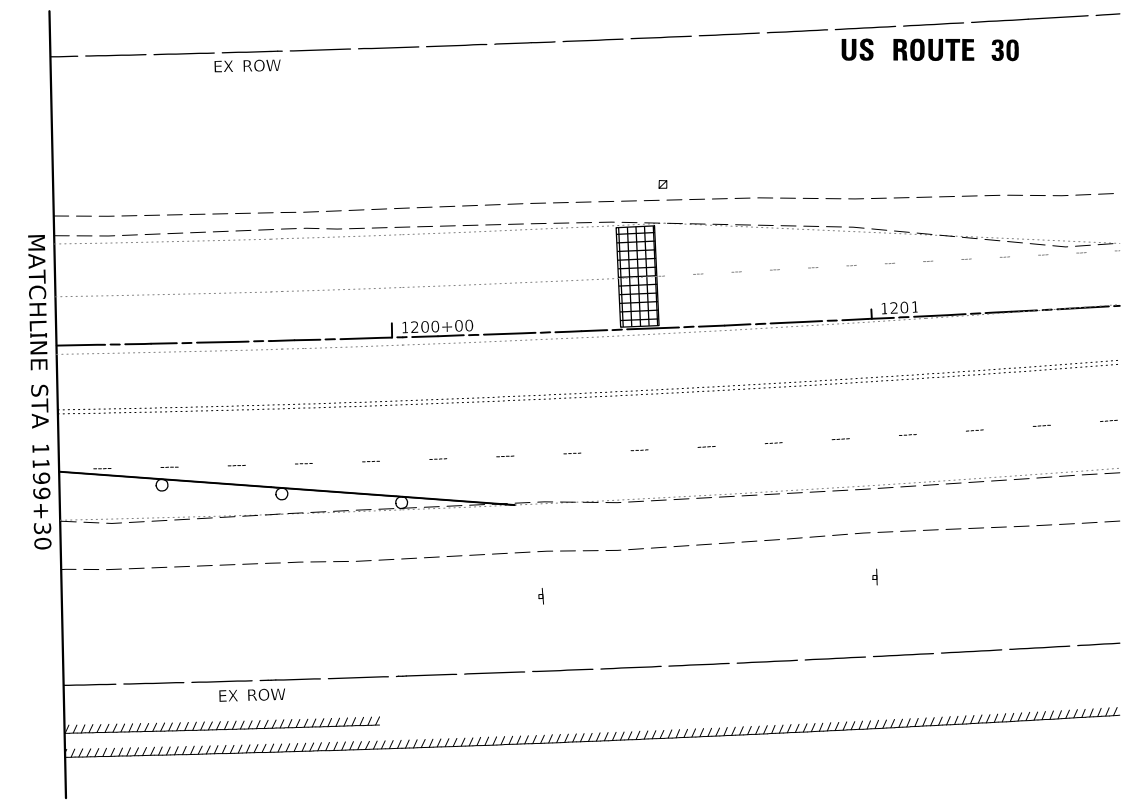
- RELOCATED MA SIGN
- TEMPORARY 15' LUMINAIRE MAST ARM LUMINAIRE AS SHOWN ON THE TEMPORARY LIGHTING PLAN.
- PAN, TILT, ZOOM (PTZ) CAMERA RELOCATED FROM EXISTING TRAFFIC SIGNALS



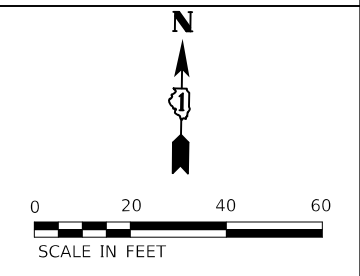
US ROUTE 30



ORCHARD ROAD



US ROUTE 30



TS SHT NO. 15

MODEL: D:\sht\15  
FILE: Model: 202301180287\_OrchardRoadatRoute30.cad\Civil\Drawings\18028715-01.dwg Temporary Layout Stage-1A.dgn



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awueller	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 1A  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION  
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	99
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

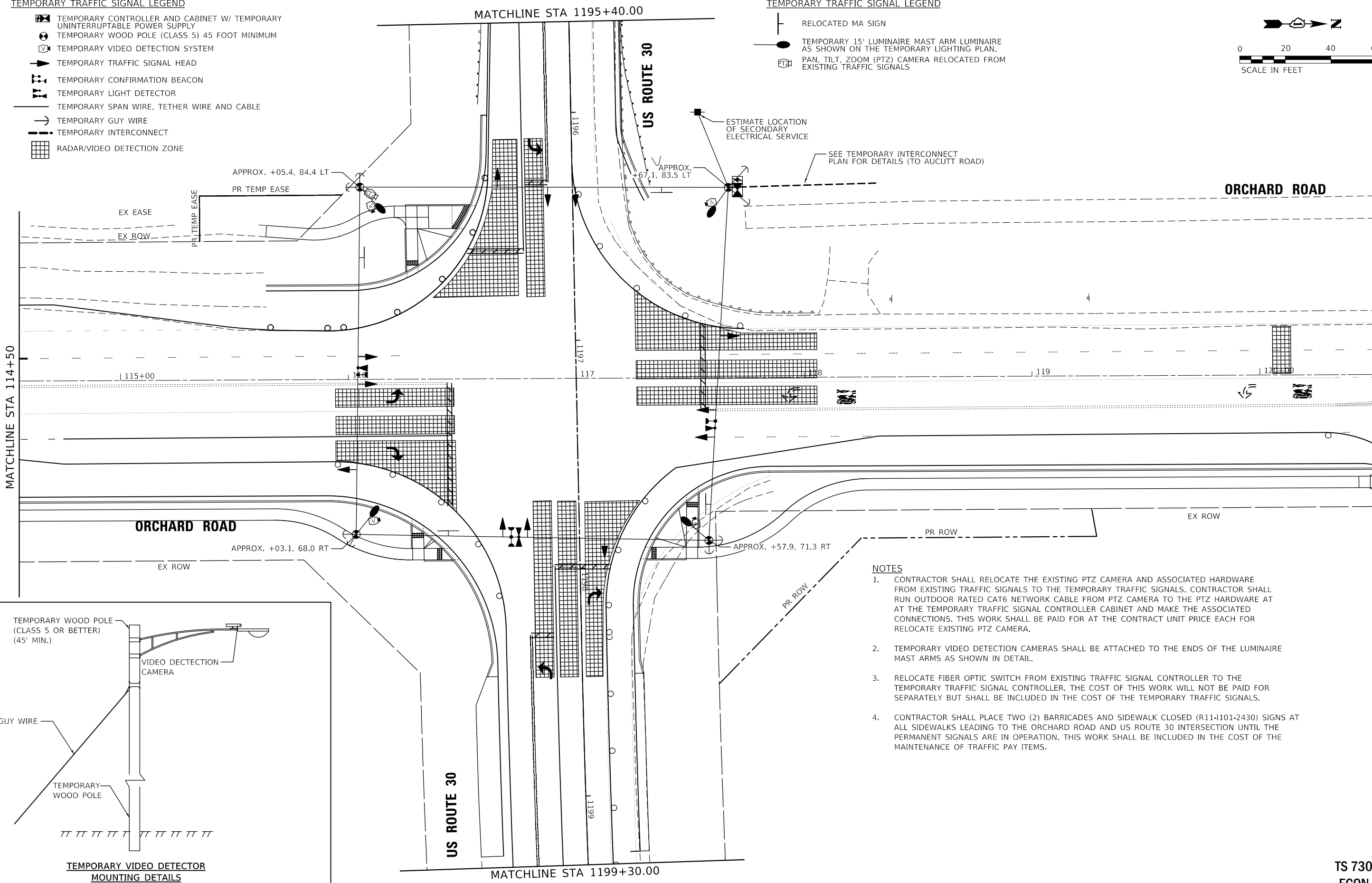
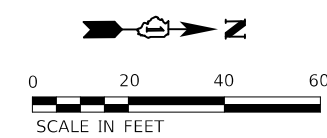
TS 730  
ECON

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY CONTROLLER AND CABINET W/ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY WOOD POLE (CLASS 5) 45 FOOT MINIMUM
- TEMPORARY VIDEO DETECTION SYSTEM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY CONFIRMATION BEACON
- TEMPORARY LIGHT DETECTOR
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY INTERCONNECT
- RADAR/VIDEO DETECTION ZONE

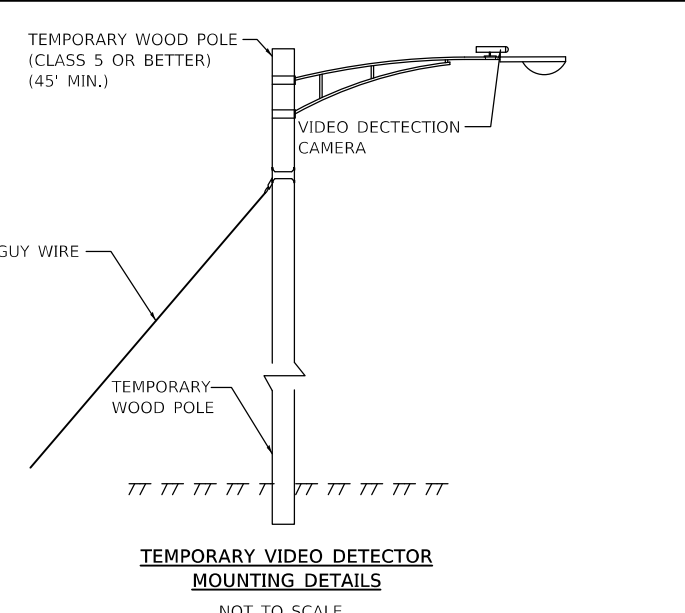
TEMPORARY TRAFFIC SIGNAL LEGEND

- RELOCATED MA SIGN
- TEMPORARY 15' LUMINAIRE MAST ARM LUMINAIRE AS SHOWN ON THE TEMPORARY LIGHTING PLAN.
- PAN, TILT, ZOOM (PTZ) CAMERA RELOCATED FROM EXISTING TRAFFIC SIGNALS



NOTES

1. CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND ASSOCIATED HARDWARE FROM EXISTING TRAFFIC SIGNALS TO THE TEMPORARY TRAFFIC SIGNALS. CONTRACTOR SHALL RUN OUTDOOR RATED CAT6 NETWORK CABLE FROM PTZ CAMERA TO THE PTZ HARDWARE AT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET AND MAKE THE ASSOCIATED CONNECTIONS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RELOCATE EXISTING PTZ CAMERA.
2. TEMPORARY VIDEO DETECTION CAMERAS SHALL BE ATTACHED TO THE ENDS OF THE LUMINAIRE MAST ARMS AS SHOWN IN DETAIL.
3. RELOCATE FIBER OPTIC SWITCH FROM EXISTING TRAFFIC SIGNAL CONTROLLER TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNALS.
4. CONTRACTOR SHALL PLACE TWO (2) BARRICADES AND SIDEWALK CLOSED (R11-101-2430) SIGNS AT ALL SIDEWALKS LEADING TO THE ORCHARD ROAD AND US ROUTE 30 INTERSECTION UNTIL THE PERMANENT SIGNALS ARE IN OPERATION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE MAINTENANCE OF TRAFFIC PAY ITEMS.



TS SHT NO. 16

TS 730  
ECON

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -











STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 1B  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION




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

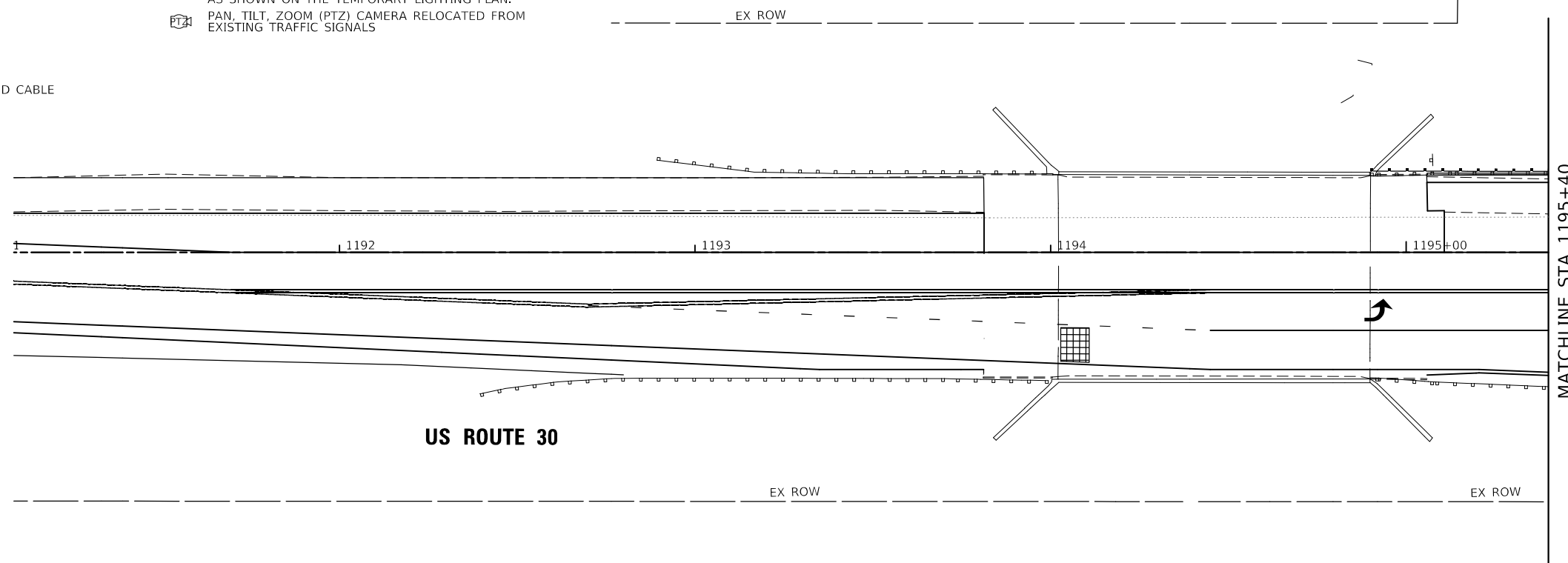
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	100
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

TEMPORARY TRAFFIC SIGNAL LEGEND

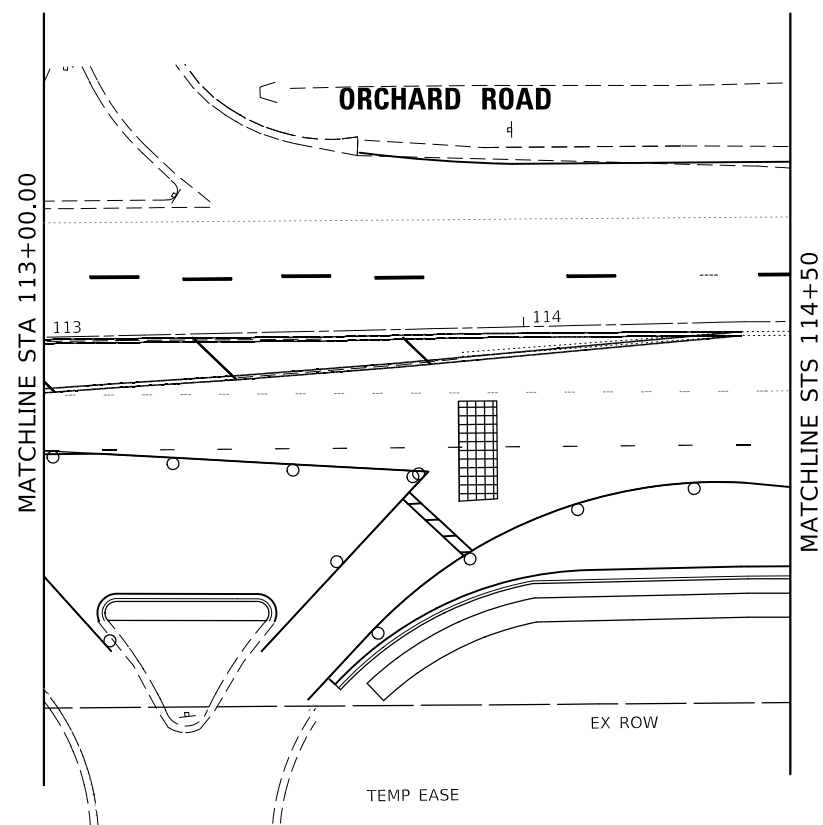
-  TEMPORARY CONTROLLER AND CABINET W/ TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY WOOD POLE (CLASS 5) 45 FOOT MINIMUM
-  TEMPORARY VIDEO DETECTION SYSTEM
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY CONFIRMATION BEACON
-  TEMPORARY LIGHT DETECTOR
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY GUY WIRE
-  TEMPORARY INTERCONNECT
-  RADAR/VIDEO DETECTION ZONE

TEMPORARY TRAFFIC SIGNAL LEGEND

-  RELOCATED MA SIGN
-  TEMPORARY 15' LUMINAIRE MAST ARM LUMINAIRE AS SHOWN ON THE TEMPORARY LIGHTING PLAN.
-  PAN, TILT, ZOOM (PTZ) CAMERA RELOCATED FROM EXISTING TRAFFIC SIGNALS

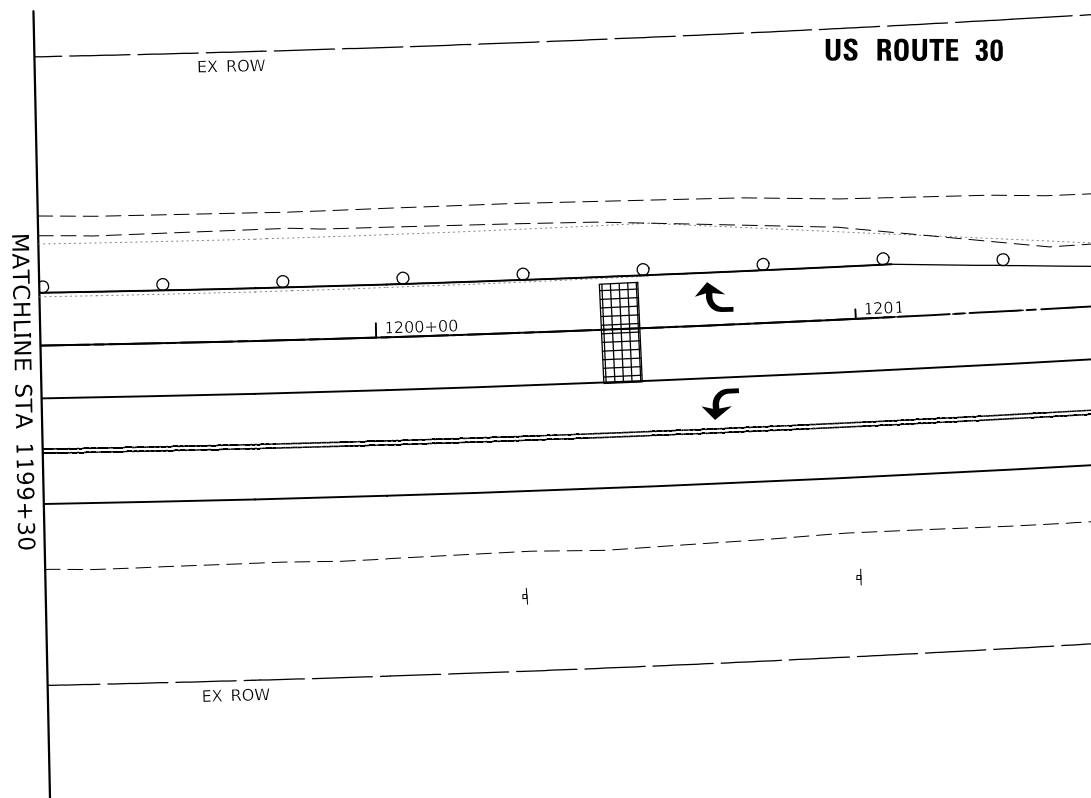


US ROUTE 30

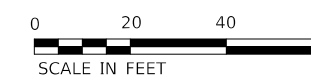


ORCHARD ROAD

TEMP EASE



US ROUTE 30



TS SHT NO. 17

MODEL: D:\m11\1102287\_OrchardRoadStage1B.dgn  
 FILE: Model: 2:30:11\1102287\_OrchardRoadStage1B.dwg  
 PROJECT: 17-00488-00-CH



**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 1B  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	101
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				

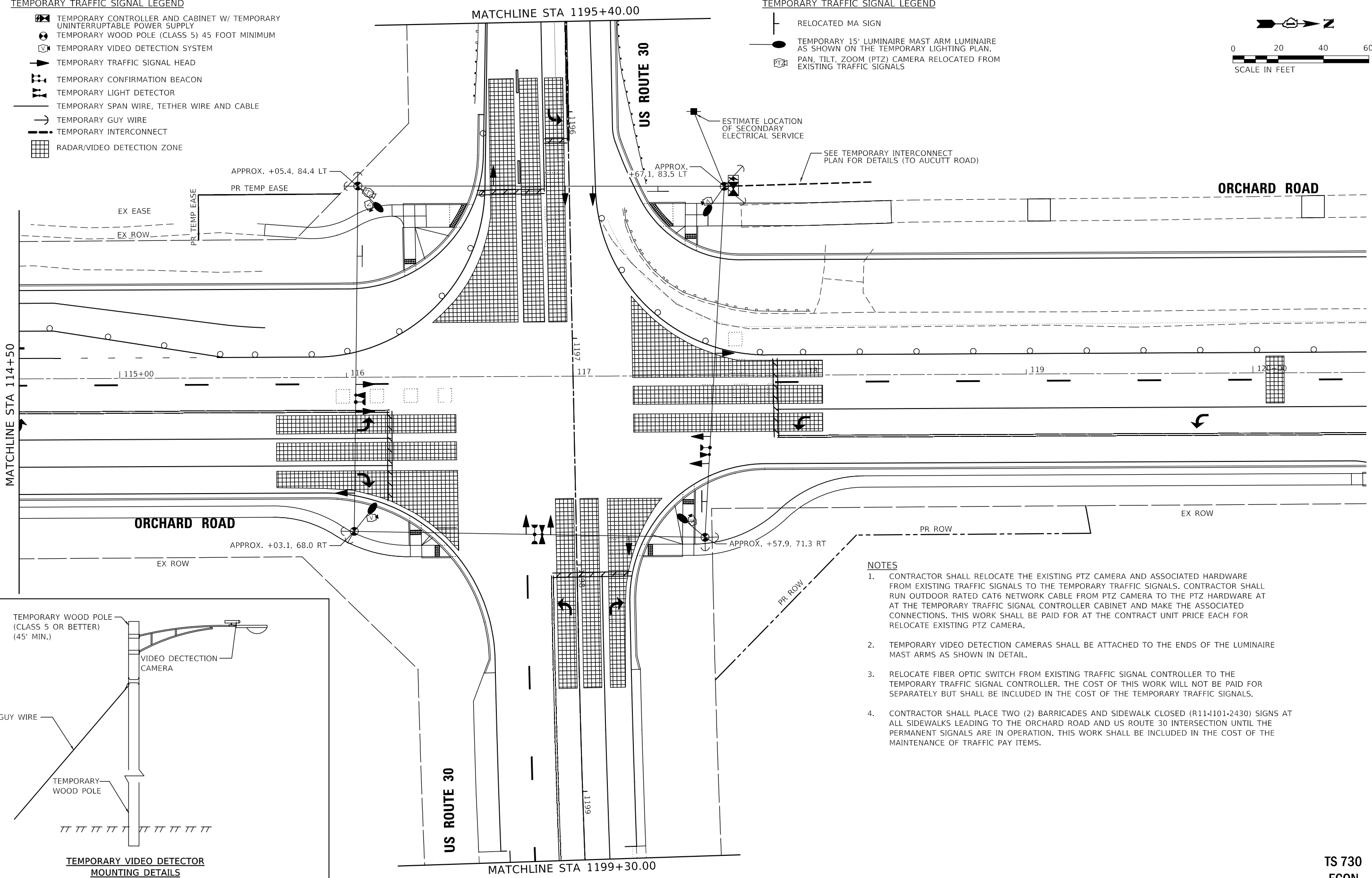
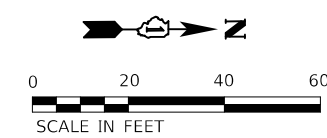
TS 730  
 ECON

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY CONTROLLER AND CABINET W/ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY WOOD POLE (CLASS 5) 45 FOOT MINIMUM
- TEMPORARY VIDEO DETECTION SYSTEM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY CONFIRMATION BEACON
- TEMPORARY LIGHT DETECTOR
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY INTERCONNECT
- RADAR/VIDEO DETECTION ZONE

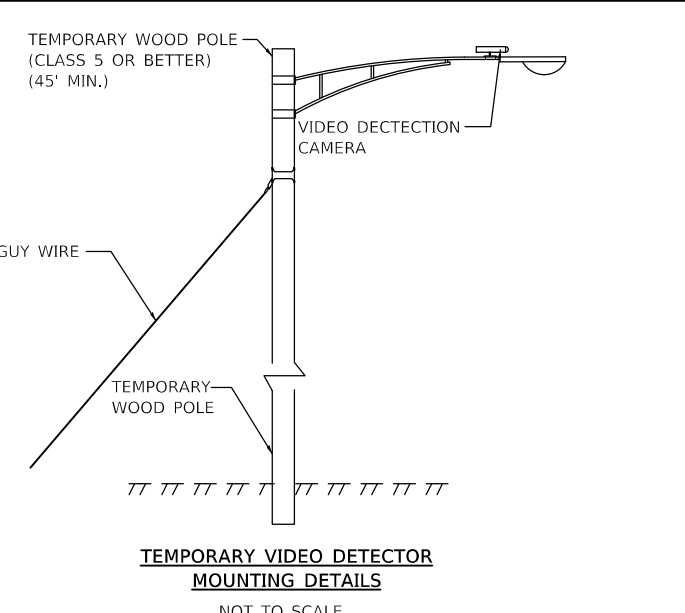
TEMPORARY TRAFFIC SIGNAL LEGEND

- RELOCATED MA SIGN
- TEMPORARY 15' LUMINAIRE MAST ARM LUMINAIRE AS SHOWN ON THE TEMPORARY LIGHTING PLAN.
- PAN, TILT, ZOOM (PTZ) CAMERA RELOCATED FROM EXISTING TRAFFIC SIGNALS



NOTES

1. CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND ASSOCIATED HARDWARE FROM EXISTING TRAFFIC SIGNALS TO THE TEMPORARY TRAFFIC SIGNALS. CONTRACTOR SHALL RUN OUTDOOR RATED CAT6 NETWORK CABLE FROM PTZ CAMERA TO THE PTZ HARDWARE AT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET AND MAKE THE ASSOCIATED CONNECTIONS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RELOCATE EXISTING PTZ CAMERA.
2. TEMPORARY VIDEO DETECTION CAMERAS SHALL BE ATTACHED TO THE ENDS OF THE LUMINAIRE MAST ARMS AS SHOWN IN DETAIL.
3. RELOCATE FIBER OPTIC SWITCH FROM EXISTING TRAFFIC SIGNAL CONTROLLER TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNALS.
4. CONTRACTOR SHALL PLACE TWO (2) BARRICADES AND SIDEWALK CLOSED (R11-1101-2430) SIGNS AT ALL SIDEWALKS LEADING TO THE ORCHARD ROAD AND US ROUTE 30 INTERSECTION UNTIL THE PERMANENT SIGNALS ARE IN OPERATION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE MAINTENANCE OF TRAFFIC PAY ITEMS.



TS SHT NO. 18

TS 730  
ECON

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

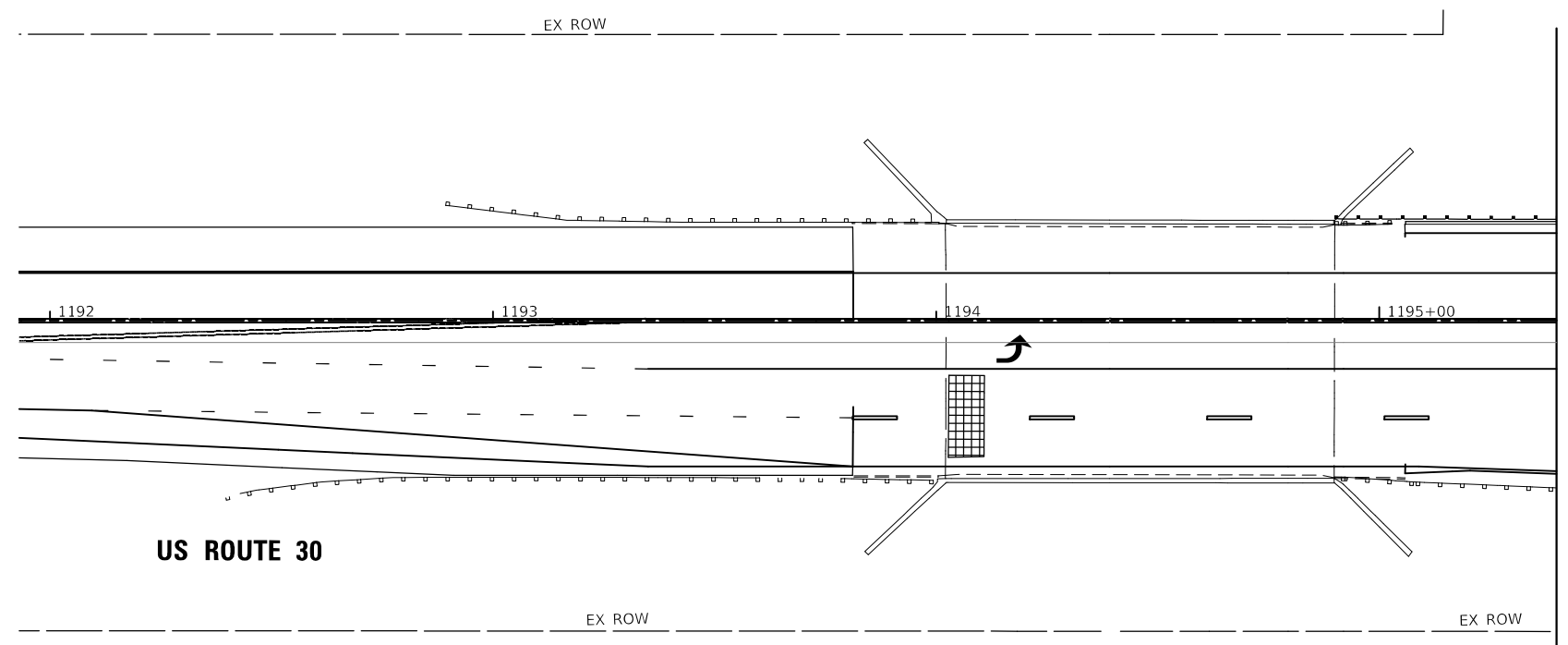
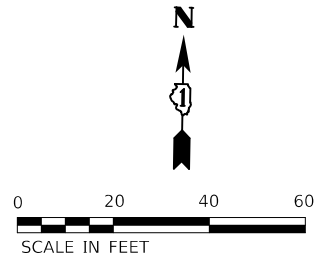
USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 2  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION

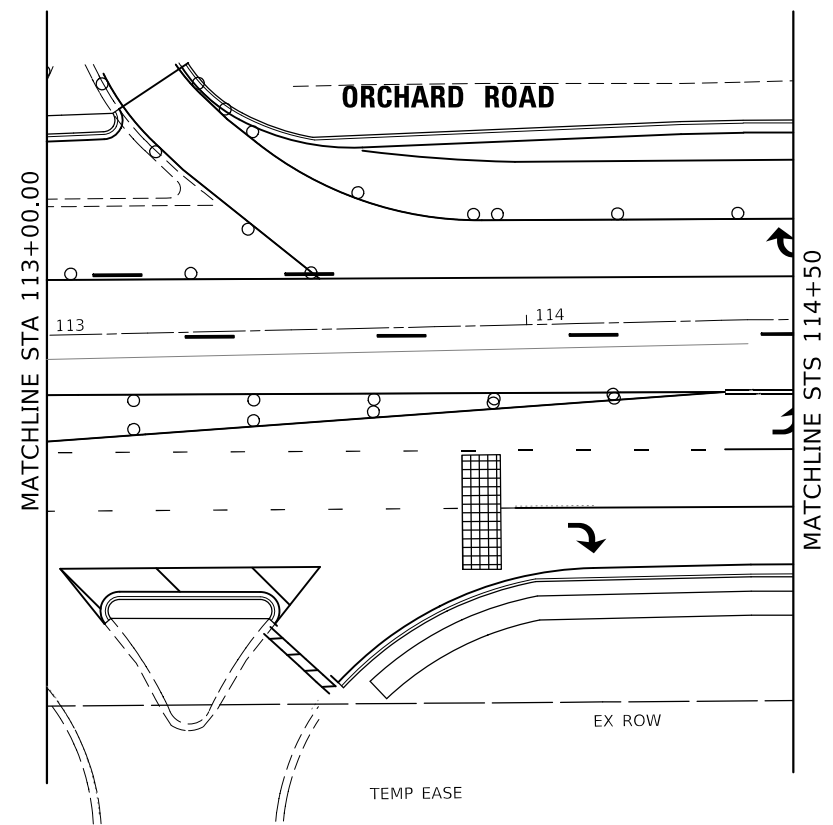
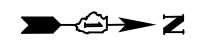
SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	102
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



MATCHLINE STA 1195+40

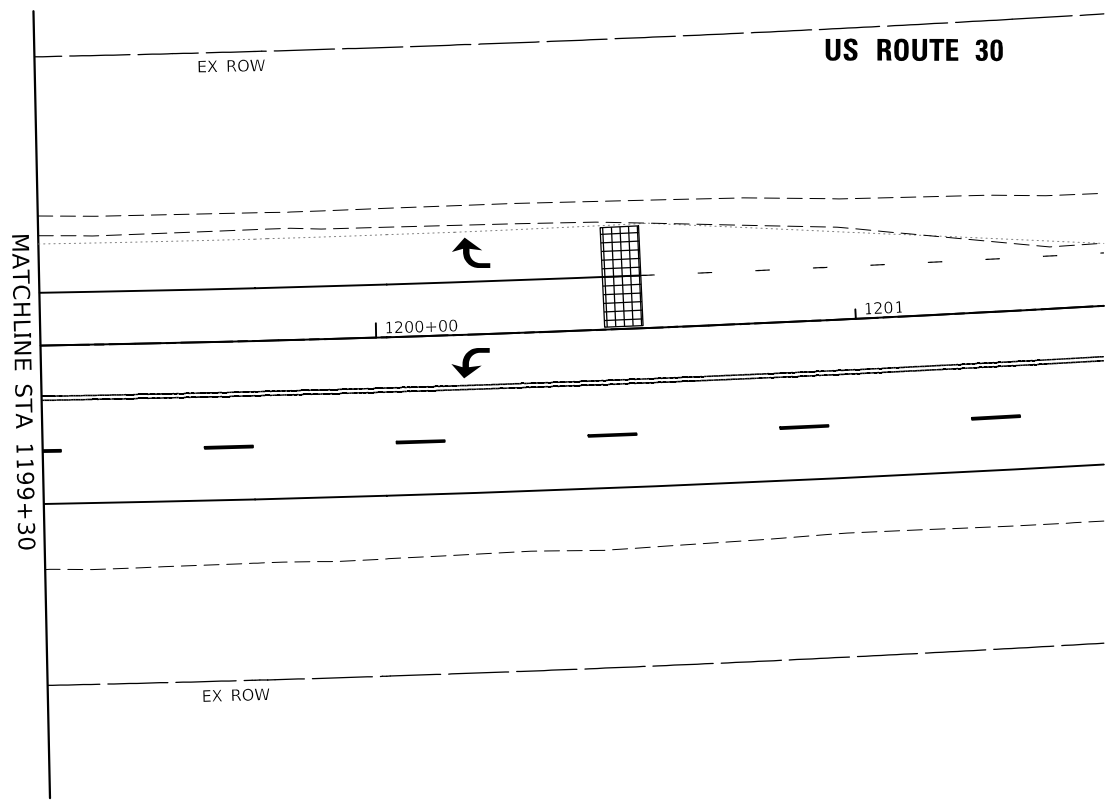
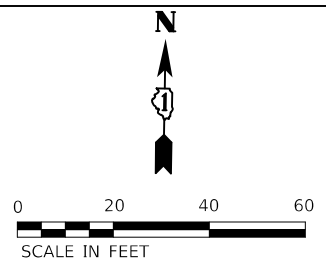
**US ROUTE 30**



**ORCHARD ROAD**

MATCHLINE STS 114+50

TEMP EASE



**US ROUTE 30**

MATCHLINE STA 1199+30

**TS 730  
ECON**

**TS SHT NO. 19**

MODEL: D:\ts\19\190287\_OrchardRoadatRoute30\cadd\Civil\Drawings\190287-TS\04b\_Temporary\_Layout\_Stage2.dgn  
FILE NAME: 202101190287\_OrchardRoadatRoute30\cadd\Civil\Drawings\190287-TS\04b\_Temporary\_Layout\_Stage2.dgn



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
	DRAWN - SS	REVISED - 10/18/2021
PLOT SCALE = 1:40	CHECKED - YOO	REVISED - 10/27/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 2  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	103
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				

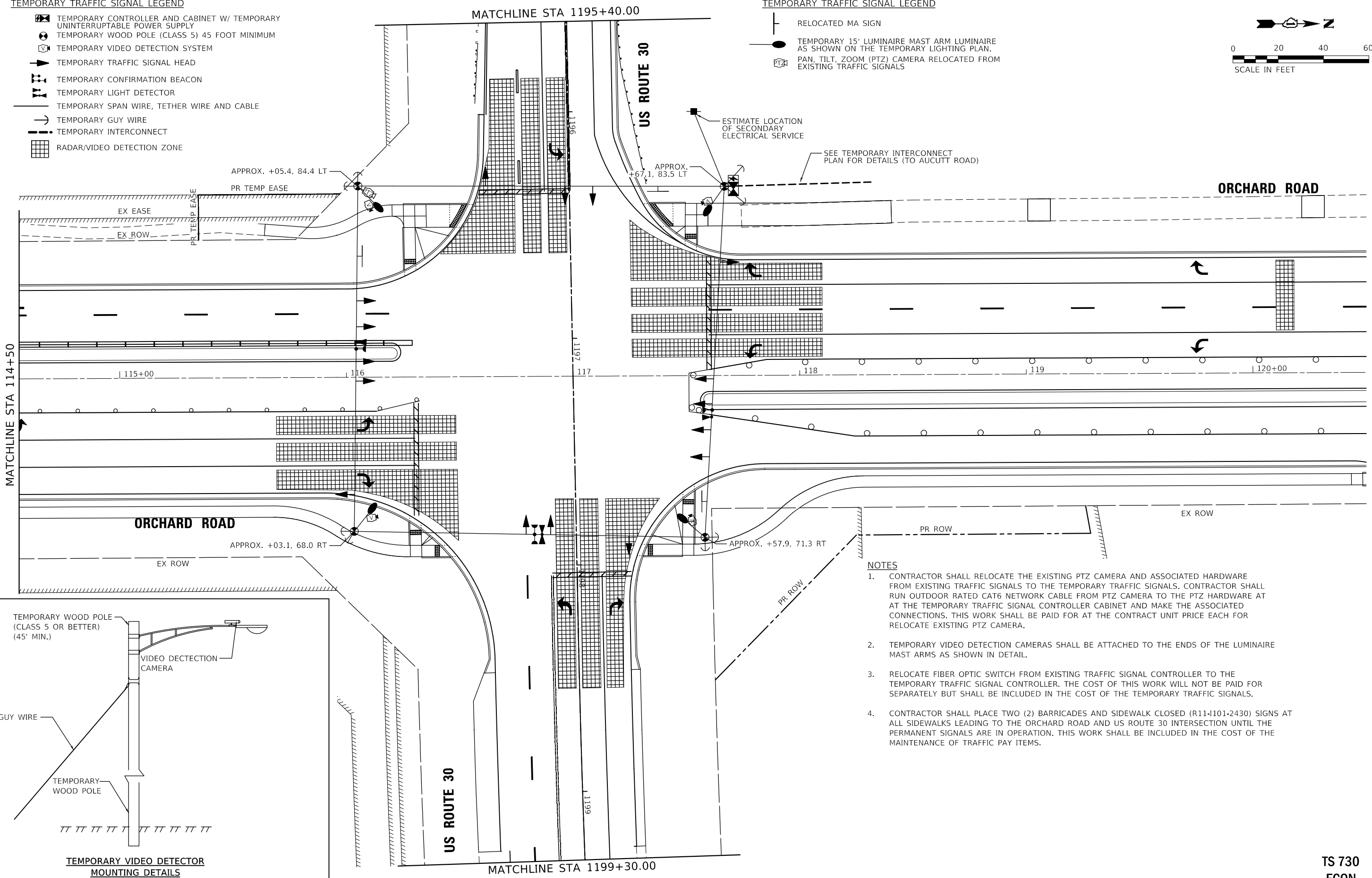
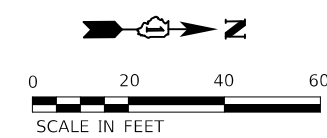


TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY CONTROLLER AND CABINET W/ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- TEMPORARY WOOD POLE (CLASS 5) 45 FOOT MINIMUM
- TEMPORARY VIDEO DETECTION SYSTEM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY CONFIRMATION BEACON
- TEMPORARY LIGHT DETECTOR
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY INTERCONNECT
- RADAR/VIDEO DETECTION ZONE

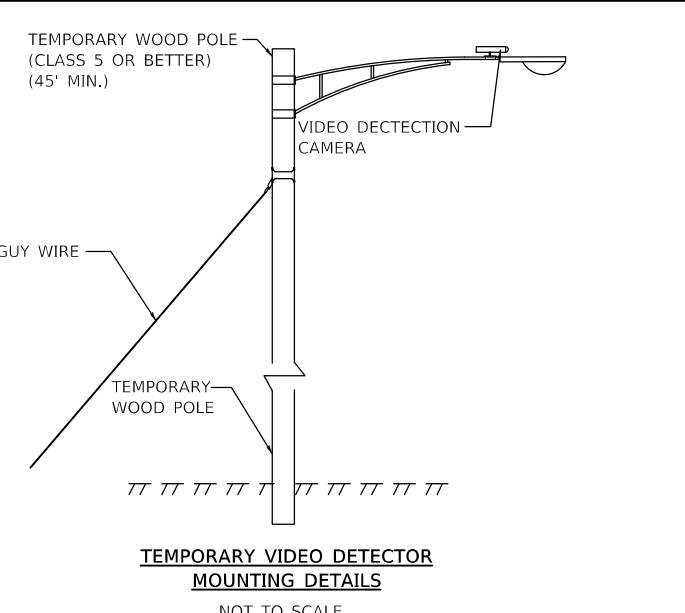
TEMPORARY TRAFFIC SIGNAL LEGEND

- RELOCATED MA SIGN
- TEMPORARY 15' LUMINAIRE MAST ARM LUMINAIRE AS SHOWN ON THE TEMPORARY LIGHTING PLAN.
- PAN, TILT, ZOOM (PTZ) CAMERA RELOCATED FROM EXISTING TRAFFIC SIGNALS



NOTES

1. CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA AND ASSOCIATED HARDWARE FROM EXISTING TRAFFIC SIGNALS TO THE TEMPORARY TRAFFIC SIGNALS. CONTRACTOR SHALL RUN OUTDOOR RATED CAT6 NETWORK CABLE FROM PTZ CAMERA TO THE PTZ HARDWARE AT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET AND MAKE THE ASSOCIATED CONNECTIONS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RELOCATE EXISTING PTZ CAMERA.
2. TEMPORARY VIDEO DETECTION CAMERAS SHALL BE ATTACHED TO THE ENDS OF THE LUMINAIRE MAST ARMS AS SHOWN IN DETAIL.
3. RELOCATE FIBER OPTIC SWITCH FROM EXISTING TRAFFIC SIGNAL CONTROLLER TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNALS.
4. CONTRACTOR SHALL PLACE TWO (2) BARRICADES AND SIDEWALK CLOSED (R11-1101-2430) SIGNS AT ALL SIDEWALKS LEADING TO THE ORCHARD ROAD AND US ROUTE 30 INTERSECTION UNTIL THE PERMANENT SIGNALS ARE IN OPERATION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE MAINTENANCE OF TRAFFIC PAY ITEMS.



TS SHT NO. 21

MODEL: D:\m\it... FILE: 11/17/2021 11:00:28 OrchardRoadatRoute30.cad\CD\Drawn\Sheet\1802287-TS-04k\_Temporary Layout\_Shape-3.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

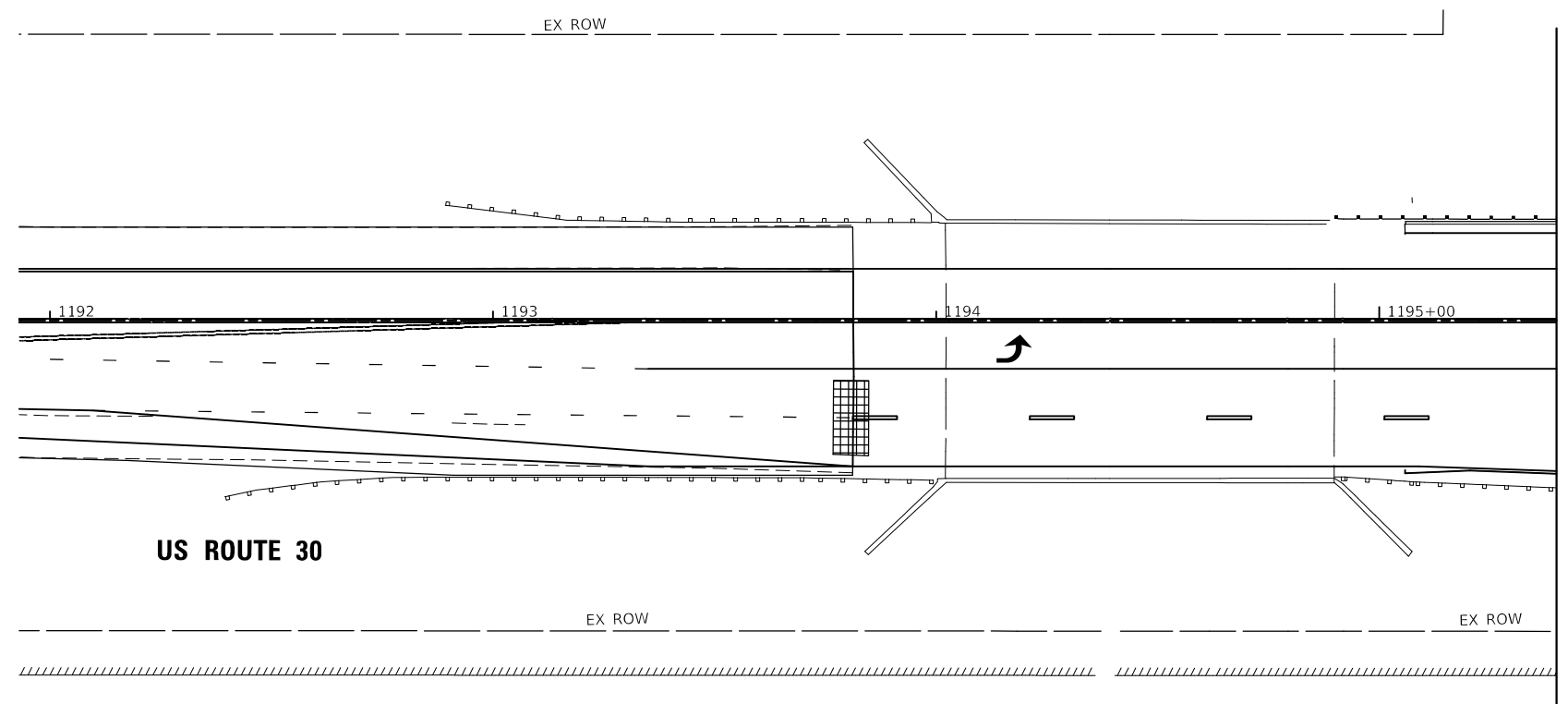
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 3  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION

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

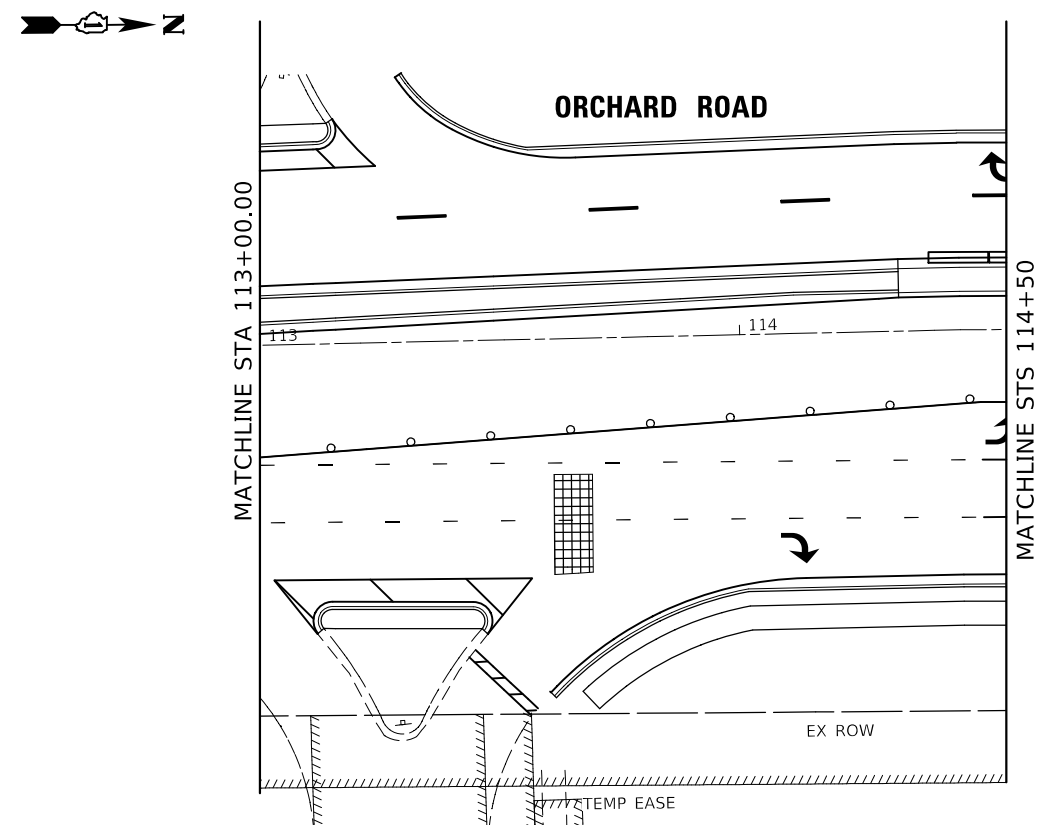
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	105
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

TS 730  
ECON



US ROUTE 30

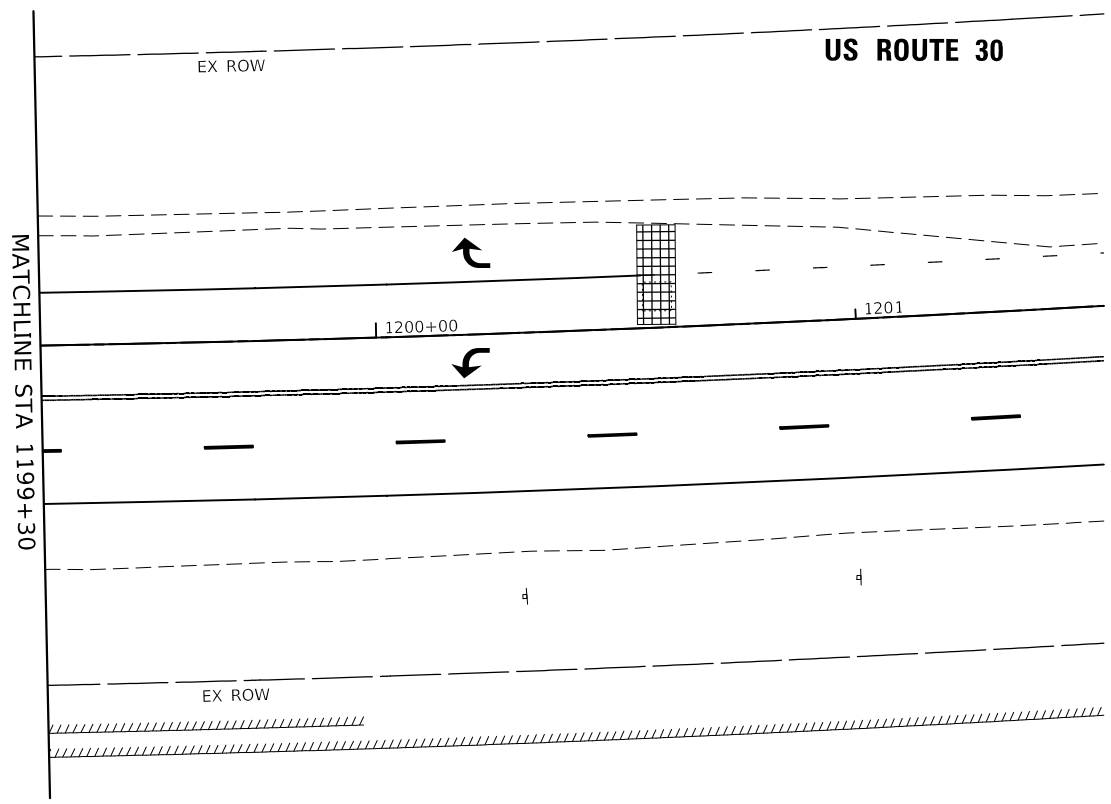
MATCHLINE STA 1195+40



ORCHARD ROAD

MATCHLINE STA 113+00.00

MATCHLINE STS 114+50



US ROUTE 30

MATCHLINE STA 1199+30



TS SHT NO. 22

MODEL: D:\sht\...  
FILE NAME: 202101180287\_OrchardRoadatRoute30.cad\Civil3D\Drawings\180287-TS-041\_Temporary\_Layout-Stage-3.dgn



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 3  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

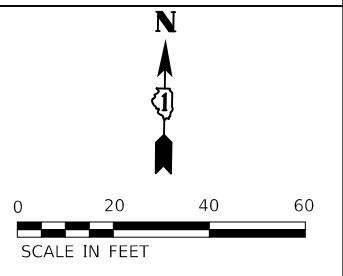
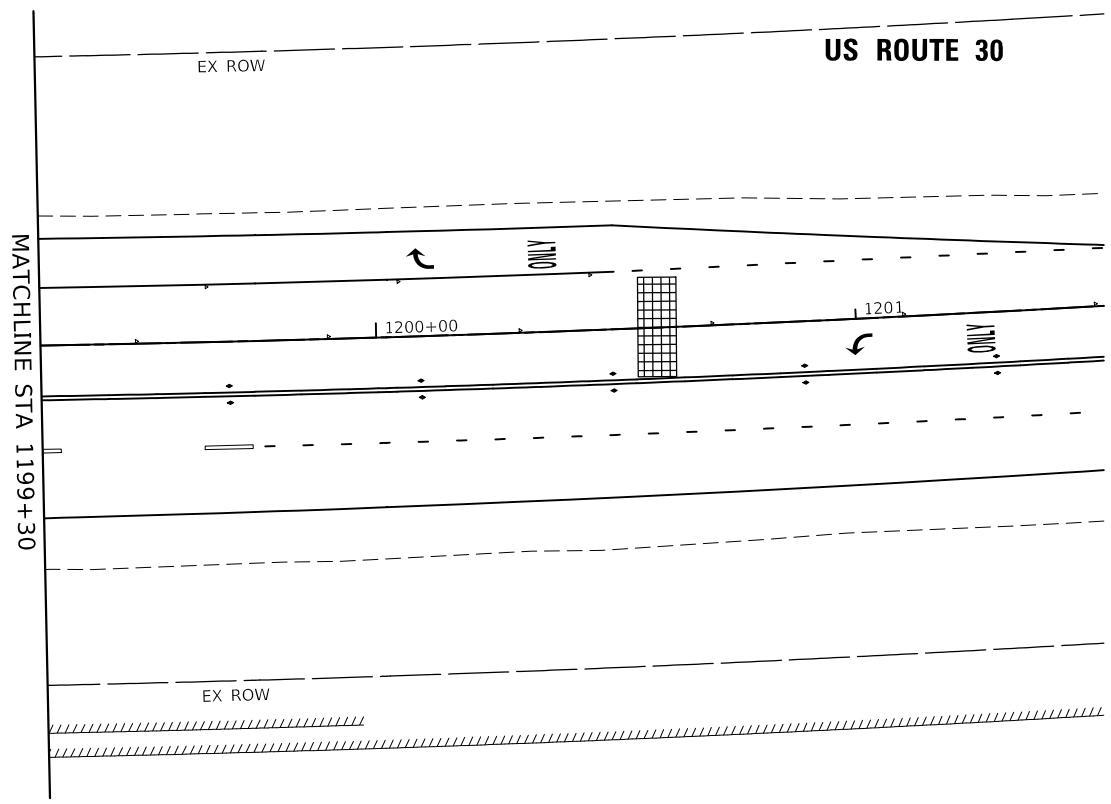
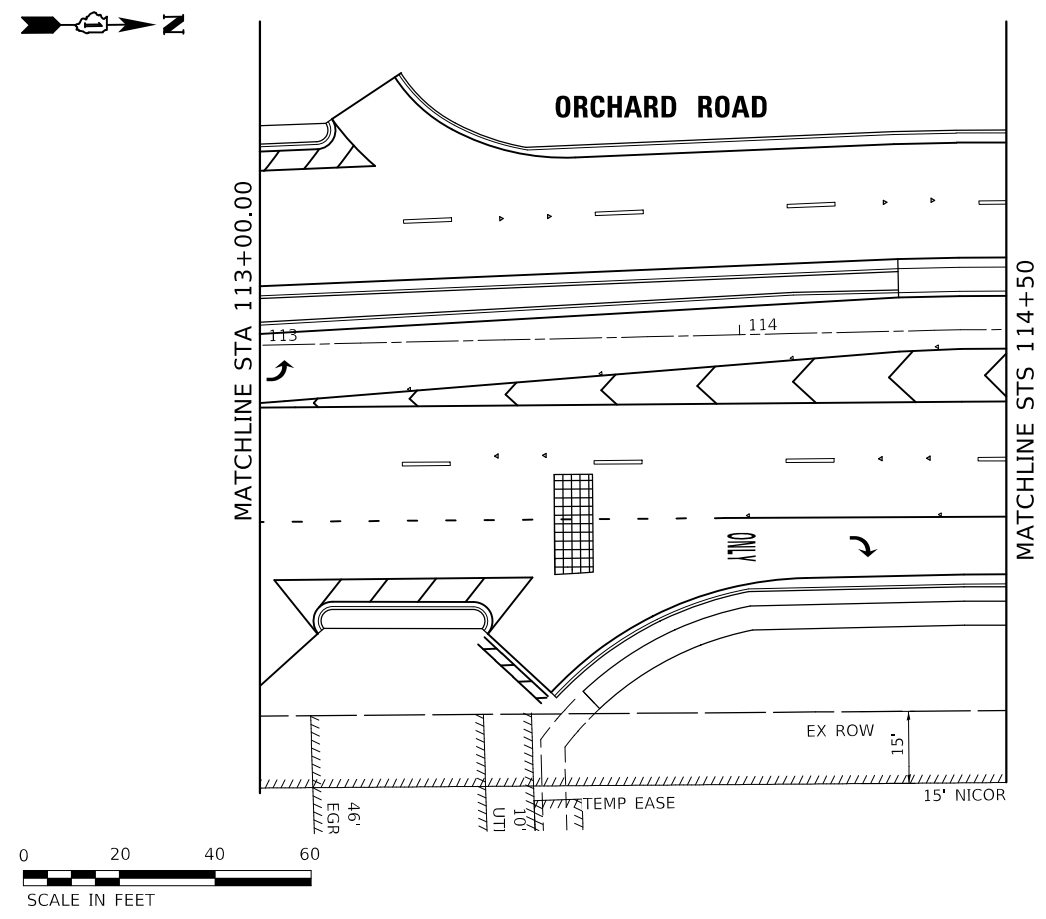
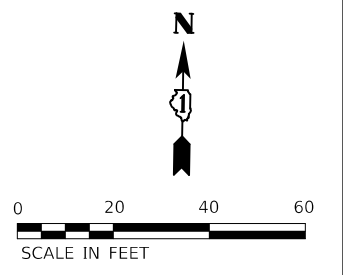
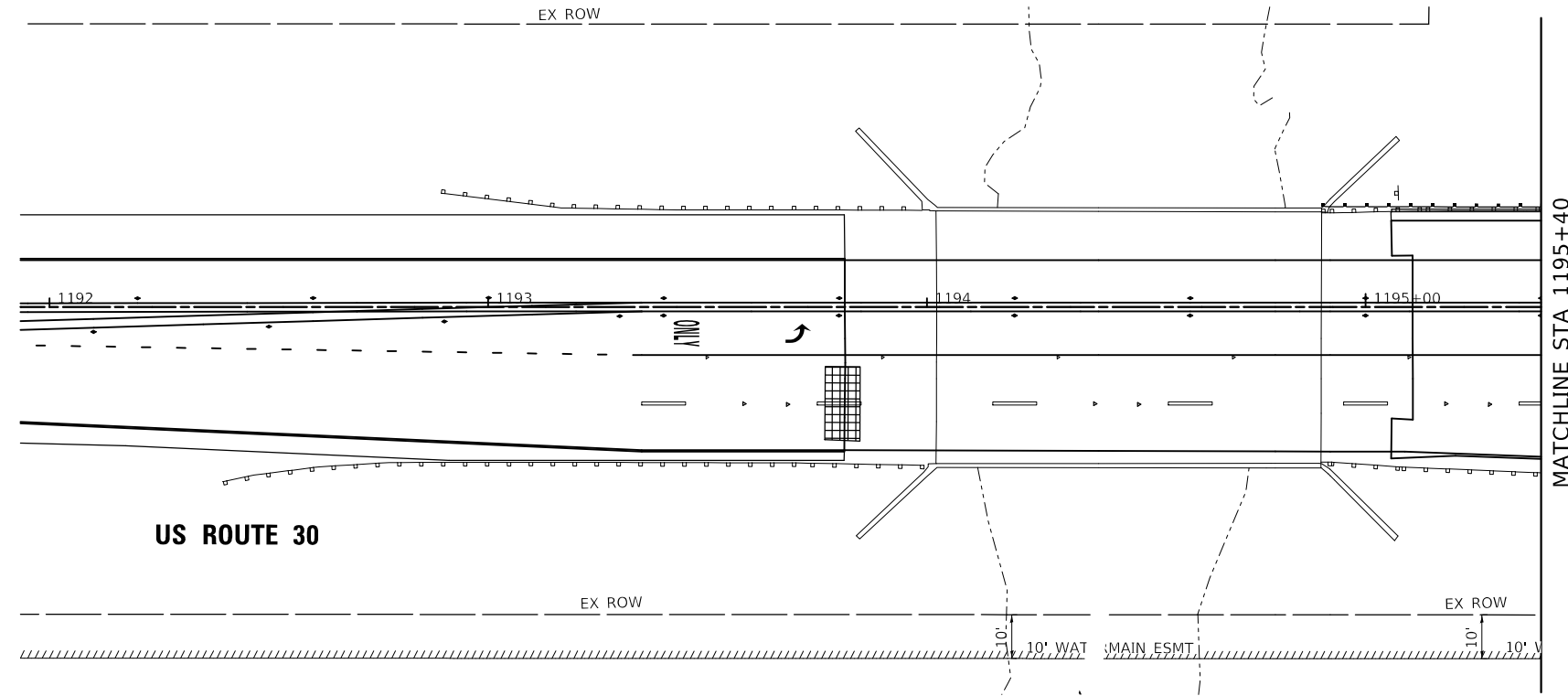
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	106
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				

**TS 730  
ECON**







TS SHT NO. 24

MODEL: D:\sht\...  
 FILE NAME: 20230110180287\_OrchardRoadatRoute30.cad\Civil3D\msh118028715.cad; Temporary Layout: Final.dgn



TS 730  
 ECON

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
	DRAWN - KAC	REVISED - 10/18/2021
PLOT SCALE = 1:40	CHECKED - YOO	REVISED - 10/27/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED - 11/03/2021

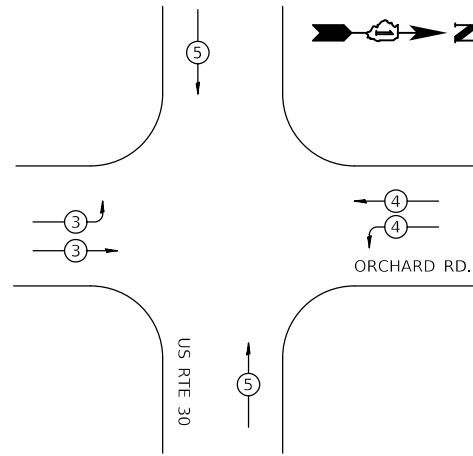
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - FINAL  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION

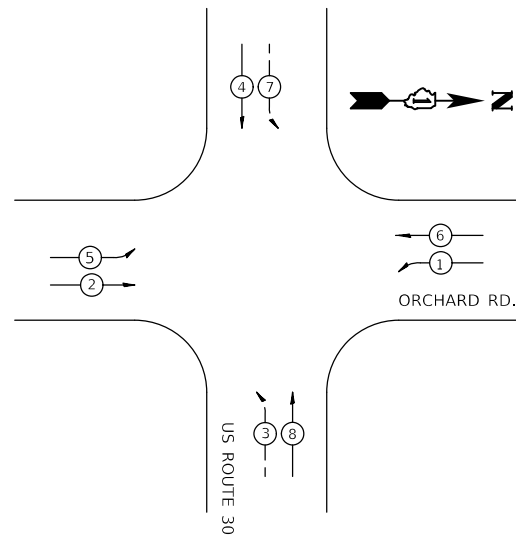
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	108
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**TEMPORARY EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

- ⊕ --- DUAL ENTRY PROTECTED/PERMITTED PHASE
- ⊙ --- SINGLE ENTRY PROTECTED PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

ORCHARD RD.

US RTE. 30

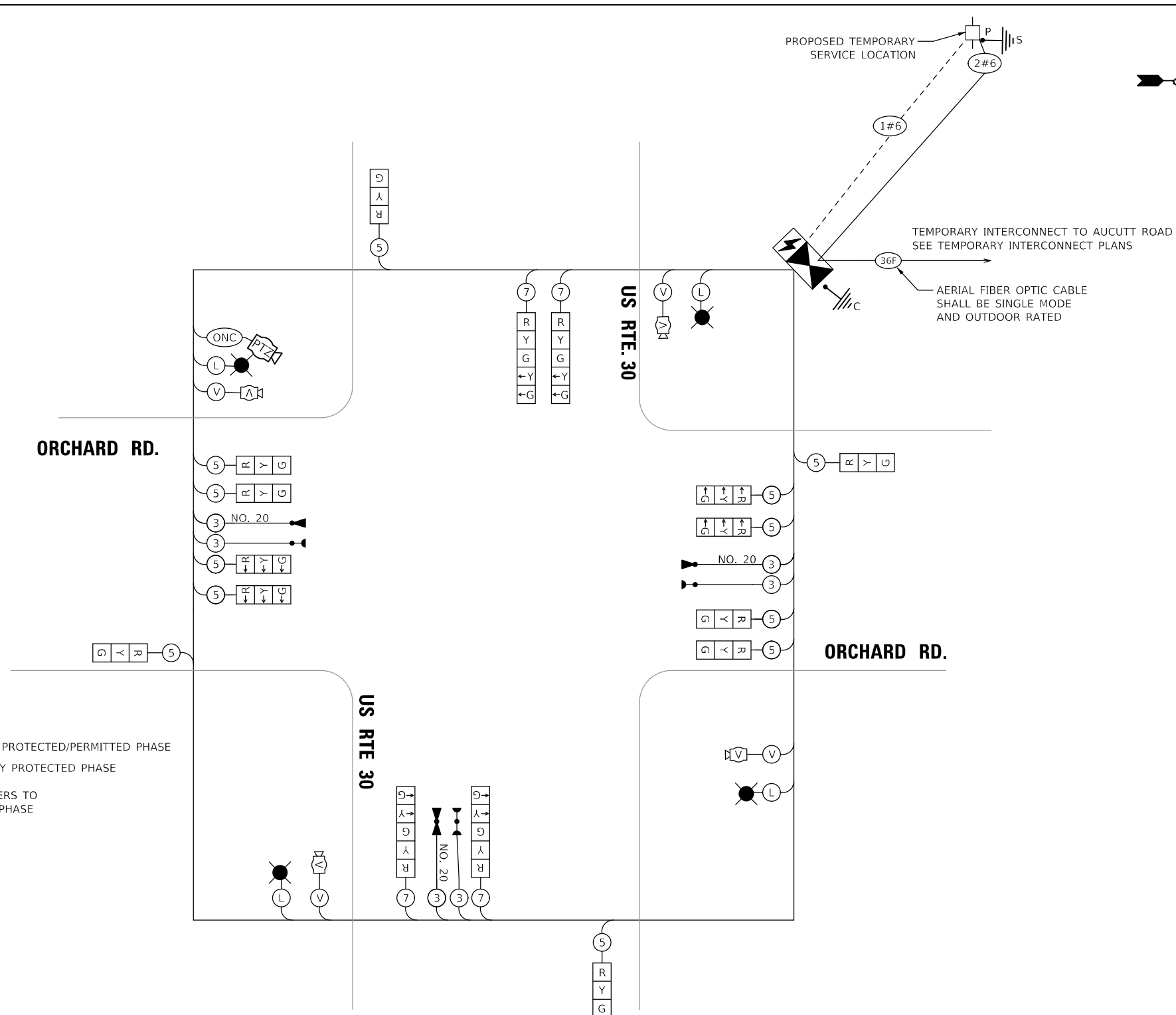
ORCHARD RD.

US RTE 30

**NOTES**

1. SEE TEMPORARY LIGHTING DETAILS FOR ADDITIONAL DETAILS
2. SEE TEMPORARY INTERCONNECT PLANS FOR ADDITIONAL DETAILS

**TEMPORARY CABLE PLAN  
(NOT TO SCALE)**



PROPOSED TEMPORARY SERVICE LOCATION

TEMPORARY INTERCONNECT TO AUCUTT ROAD  
SEE TEMPORARY INTERCONNECT PLANS

AERIAL FIBER OPTIC CABLE  
SHALL BE SINGLE MODE  
AND OUTDOOR RATED



I.D.O.T. / KANE COUNTY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	16	10	50	80.0	80.0
(YELLOW)	16	13	5	10.4	
(GREEN)	16	10	45	72.0	
PERMISSIVE ARROW	8	10	10	8.0	8.0
PED SIGNAL	-	20	100	-	
CONTROLLER	1	100	100	100.0	100.0
UPS	1	25	100	25.0	
VIDEO SYSTEM	1	150	100	150.0	150.0
LUMINAIRE	4	400	50	800	
PTZ / SURVEILLANCE CAMERA	1	60	100	60	60
TOTAL =				1,305.4	

ENERGY COST TO: IL. DEPT OF TRANS  
201 WEST CENTER CT.  
SCHAMBURG, IL 60196-4379

ENERGY SUPPLY: CONTACT: CASSIE EVANS  
PHONE: (773)-241-0741  
COMPANY: COMED  
ACCOUNT NUMBER: TBD

TS SHT NO. 25

M:\FILE Desig\2021\11\180287\_OrchardRd@USRte30\Drawings\Temporary Cable Final.dwg  
 FILE NAME: 202111180287\_OrchardRd@USRte30\Drawings\Temporary Cable Final.dwg



USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
PLOT SCALE = 1:40	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN - STAGE 3 THRU FINAL CONDITIONS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	109
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

TS 730  
ECON





**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:40	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

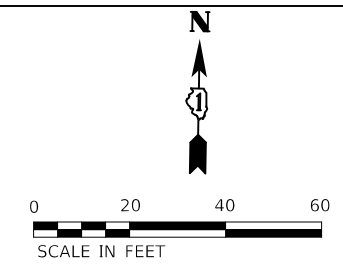
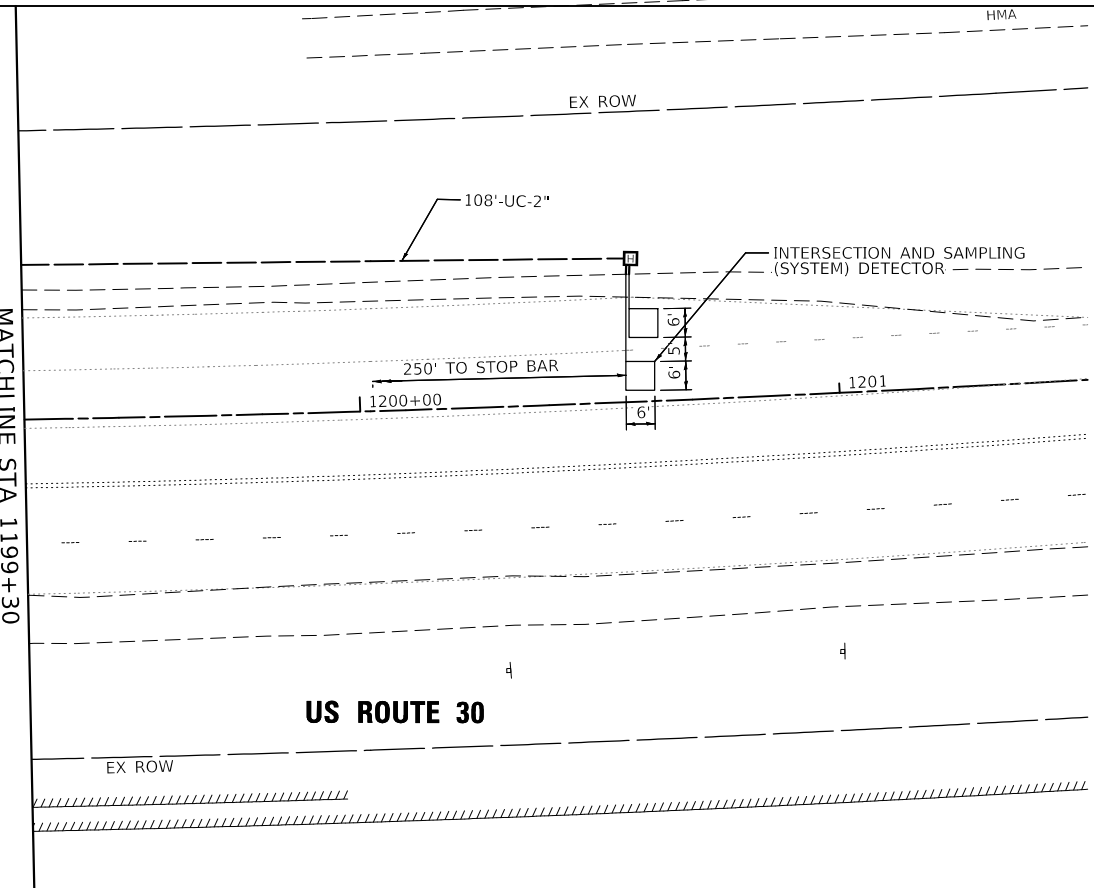
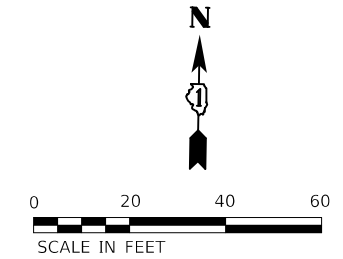
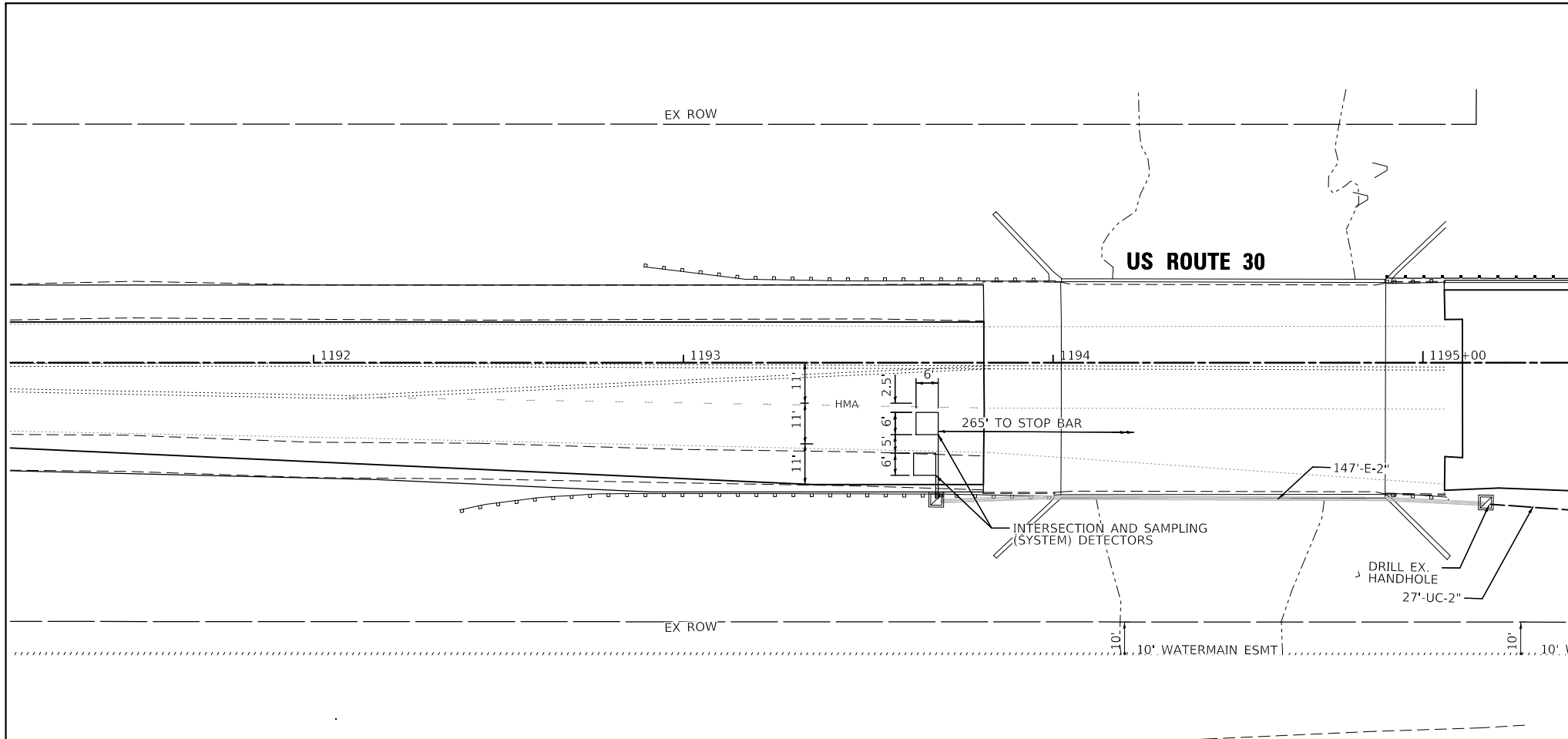
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL MODERNIZATION PLAN</b>			
<b>ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE: NTS	SHEET 2	OF 2 SHEETS	STA. TO STA.

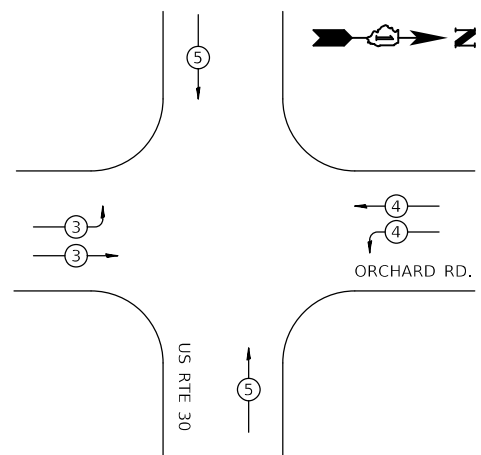
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	111
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**NOTES**

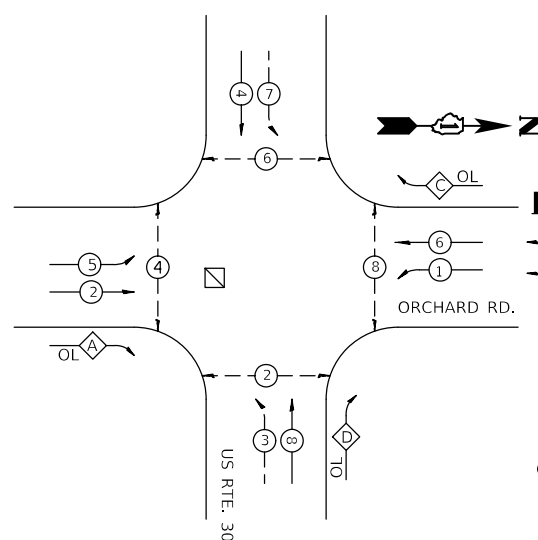
- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- ALL STATIONING IS FROM CENTERLINE OF ORCHARD ROAD UNLESS OTHERWISE NOTED.
- STATIONS AND OFFSETS ARE ESTIMATED.



**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

- DUAL ENTRY PROTECTED/PERMITTED PHASE
- SINGLE ENTRY PROTECTED PHASE
- ◇— OL OVERLAP
- PEDESTRIAN PHASE

**RIGHT-TURN OVERLAP  
PHASE DESIGNATION**

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

PROP. INTERSECTION AND (SAMPLING) SYSTEM DETECTORS

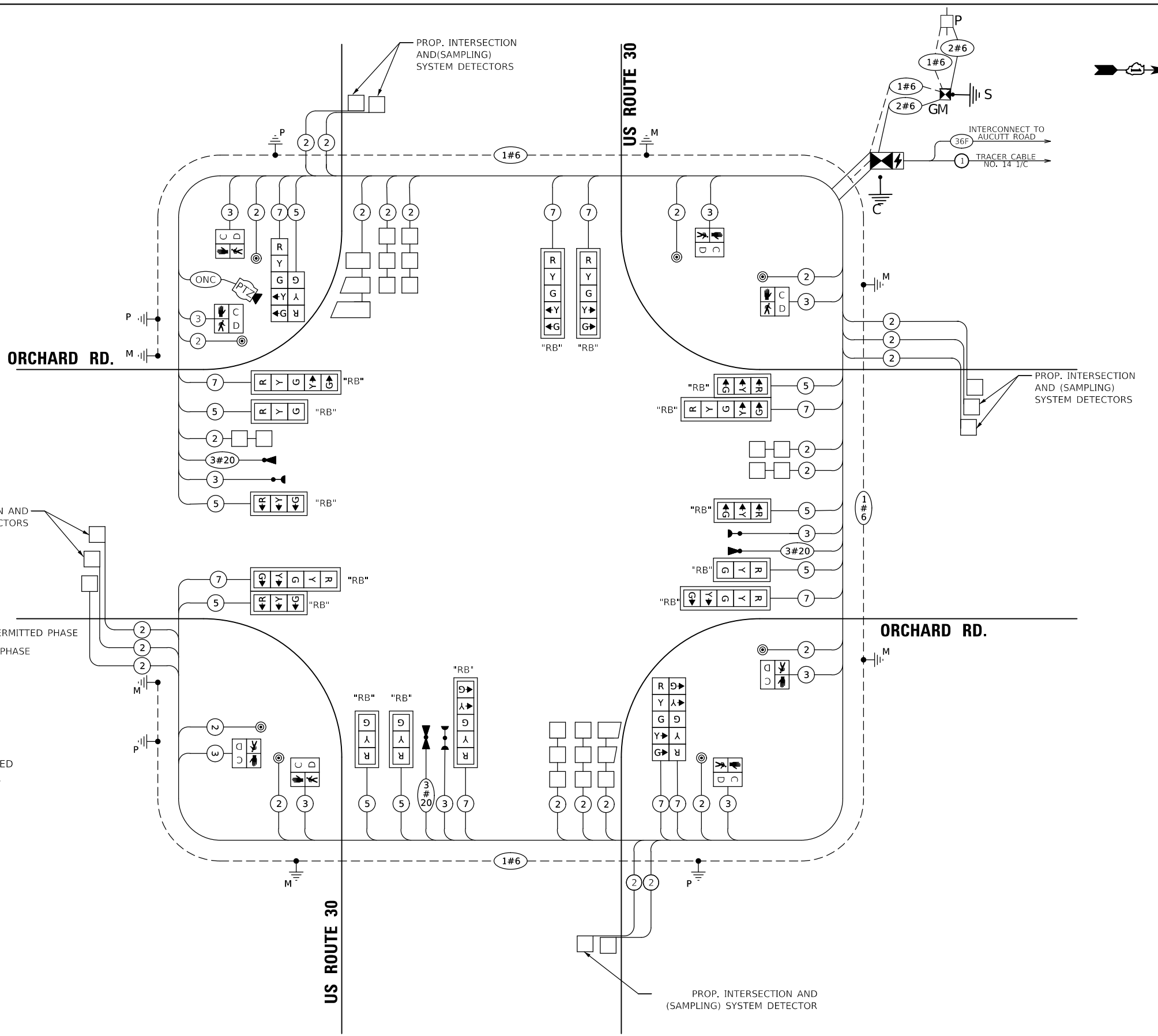
ORCHARD RD.

US ROUTE 30

US ROUTE 30

ORCHARD RD.

**CABLE PLAN  
(NOT TO SCALE)**



PROP. INTERSECTION AND (SAMPLING) SYSTEM DETECTOR

I.D.O.T. / KANE COUNTY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	19	10	10	50	95.0
(YELLOW)	19		13	5	12.4
(GREEN)	19	10	45	95	95
PERMISSIVE ARROW	20	10	10	20.0	20.0
PED SIGNAL	8	20	100	100	160.0
CONTROLLER	1	100	100	100	100.0
UPS	1	25	100	25.0	25.0
VIDEO SYSTEM	1	150	100	150.0	150.0
LUMINAIRE (COMBO POLE)	-	-	50	-	-
PTZ / SURVEILLANCE CAMERA	1	60	100	60.0	60.0
ENERGY COST TO:				TOTAL =	707.9
IL. DEPT OF TRANS 201 WEST CENTER CT. SCHAMBURG, IL 60196-4379					
ENERGY SUPPLY: CONTACT: CASSIE EVANS					
PHONE: (773)-241-0741					
COMPANY: COMED					
ACCOUNT NUMBER: TBD					

TS SHT NO. 28

TS 730  
ECON



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

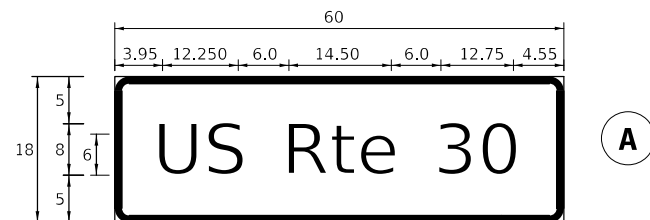
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DIAGRAM & EVP SEQUENCE			
ORCHARD ROAD AT US ROUTE 30 INTERSECTION			
SCALE: NTS	SHEET 1	OF 1 SHEETS	STA. TO STA.

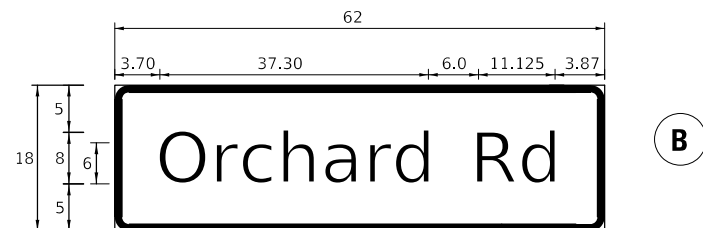
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	112
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

**SCHEDULE OF QUANTITIES**

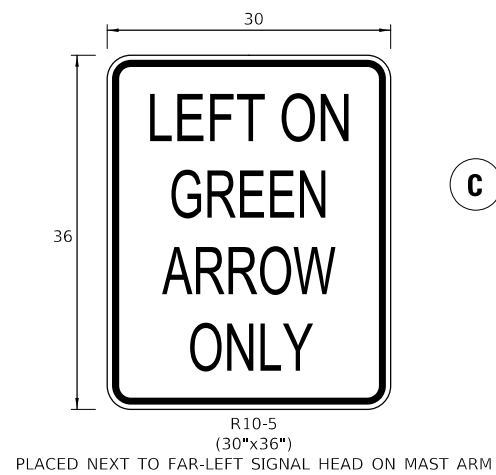
DESCRIPTION	UNIT	TOTAL QUANTITY
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	916
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	395
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	692
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,700
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,687
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,587
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,389
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	6,254
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	69
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1	FOOT	2,312
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	25
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	15
INDUCTIVE LOOP DETECTOR	EACH	19
DETECTOR LOOP, TYPE I	FOOT	1,494
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,073
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	952
ROD AND CLEAN EXISTING CONDUIT	FOOT	147
ABANDON CONDUIT IN PLACE	EACH	24
OUTDOOR RATED NETWORK CABLE	FOOT	292
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
RELOCATE EXISTING PTZ CAMERA	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



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



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.75	1	ZZ	2



PLACED NEXT TO FAR-LEFT SIGNAL HEAD ON MAST ARM

**NOTE:**

- FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.
- ALL SIGNS ON THIS SHEET SHALL BE INSTALLED WITH SIGN STIFFENING CHANNELS
- ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

TS SHT NO. 29

MODEL: D:\sht\...  
FILE: 11/17/2021 11:02:27 OrchardRoadReqs30.cad\CDM\msh1180287-15-18\_Mast\_Arm\_Detail.dgn

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - SS	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

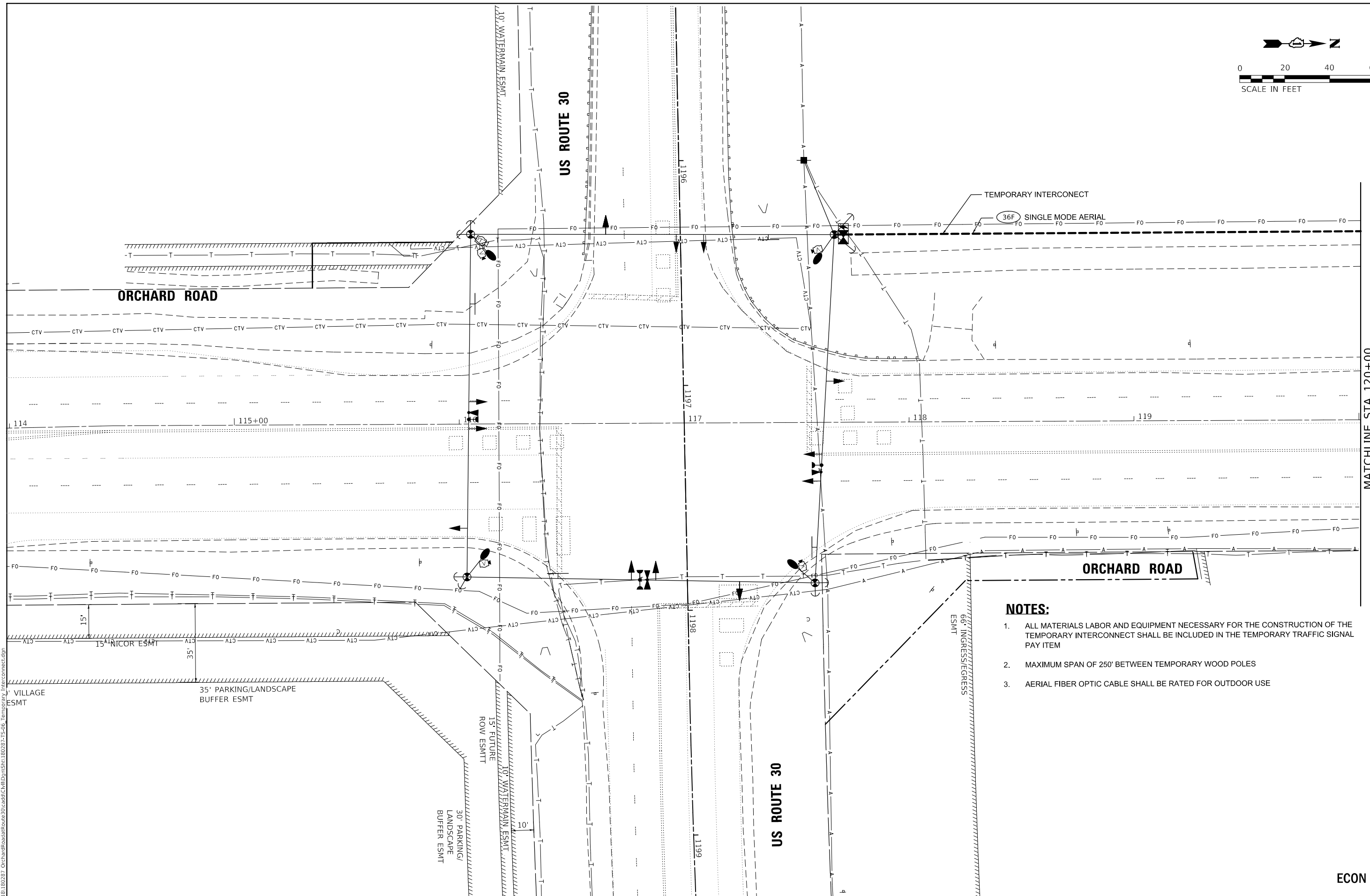
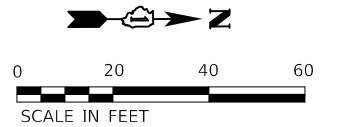
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED SIGNS AND SUMMARY OF QUANTITIES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 113
ILLINOIS FED. AID PROJECT 93511746			CONTRACT NO. 61H49	

**TS 730  
ECON**



**NOTES:**

1. ALL MATERIALS LABOR AND EQUIPMENT NECESSARY FOR THE CONSTRUCTION OF THE TEMPORARY INTERCONNECT SHALL BE INCLUDED IN THE TEMPORARY TRAFFIC SIGNAL PAY ITEM
2. MAXIMUM SPAN OF 250' BETWEEN TEMPORARY WOOD POLES
3. AERIAL FIBER OPTIC CABLE SHALL BE RATED FOR OUTDOOR USE

ECON

TS SHT NO. 30

MODEL: D:\sht\11180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1180287-TS-06\_Temporary\_Interconnect.dwg  
FILE NAME: 20230111180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1180287-TS-06\_Temporary\_Interconnect.dwg

**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

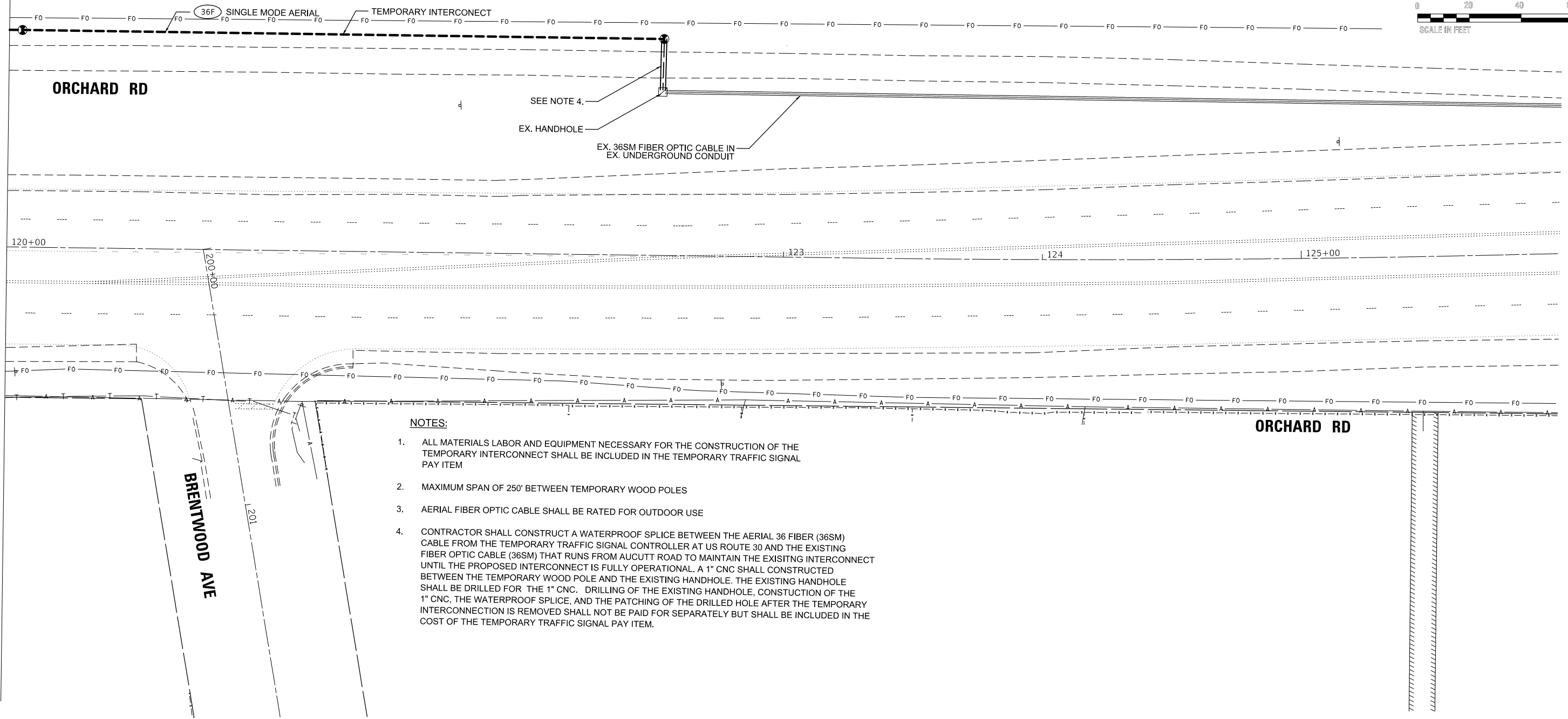
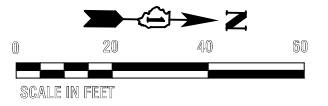
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	114
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				





**NOTES:**

1. ALL MATERIALS LABOR AND EQUIPMENT NECESSARY FOR THE CONSTRUCTION OF THE TEMPORARY INTERCONNECT SHALL BE INCLUDED IN THE TEMPORARY TRAFFIC SIGNAL PAY ITEM
2. MAXIMUM SPAN OF 250' BETWEEN TEMPORARY WOOD POLES
3. AERIAL FIBER OPTIC CABLE SHALL BE RATED FOR OUTDOOR USE
4. CONTRACTOR SHALL CONSTRUCT A WATERPROOF SPLICE BETWEEN THE AERIAL 36 FIBER (36SM) CABLE FROM THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AT US ROUTE 30 AND THE EXISTING FIBER OPTIC CABLE (36SM) THAT RUNS FROM AUCUTT ROAD TO MAINTAIN THE EXISTING INTERCONNECT UNTIL THE PROPOSED INTERCONNECT IS FULLY OPERATIONAL. A 1" CNC SHALL CONSTRUCTED BETWEEN THE TEMPORARY WOOD POLE AND THE EXISTING HANDHOLE. THE EXISTING HANDHOLE SHALL BE DRILLED FOR THE 1" CNC. DRILLING OF THE EXISTING HANDHOLE, CONSTRUCTION OF THE 1" CNC, THE WATERPROOF SPLICE, AND THE PATCHING OF THE DRILLED HOLE AFTER THE TEMPORARY INTERCONNECTION IS REMOVED SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL PAY ITEM.

TS SHT NO. 31

MODEL: D:\sht\116\1160287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1160287-TS-07\_Temporary\_Interconnect.dwg  
FILE NAME: 202301111160287\_OrchardRoadatRoute30\cadd\Civil\Drawings\1160287-TS-07\_Temporary\_Interconnect.dwg

**WBK ENGINEERING**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awueller	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

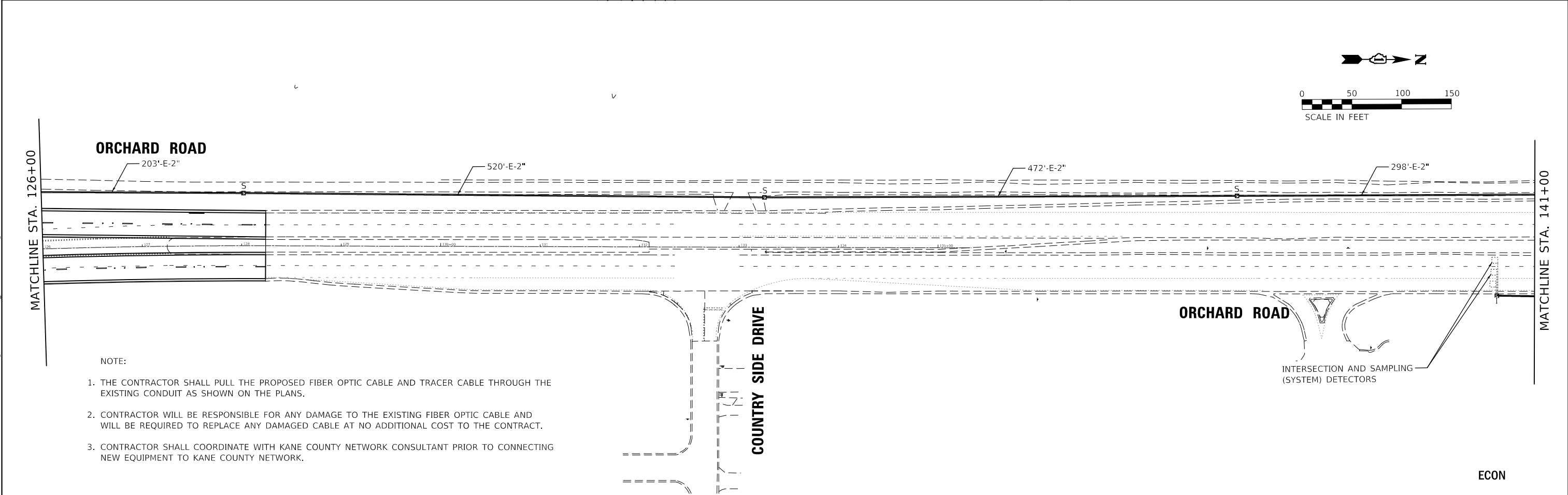
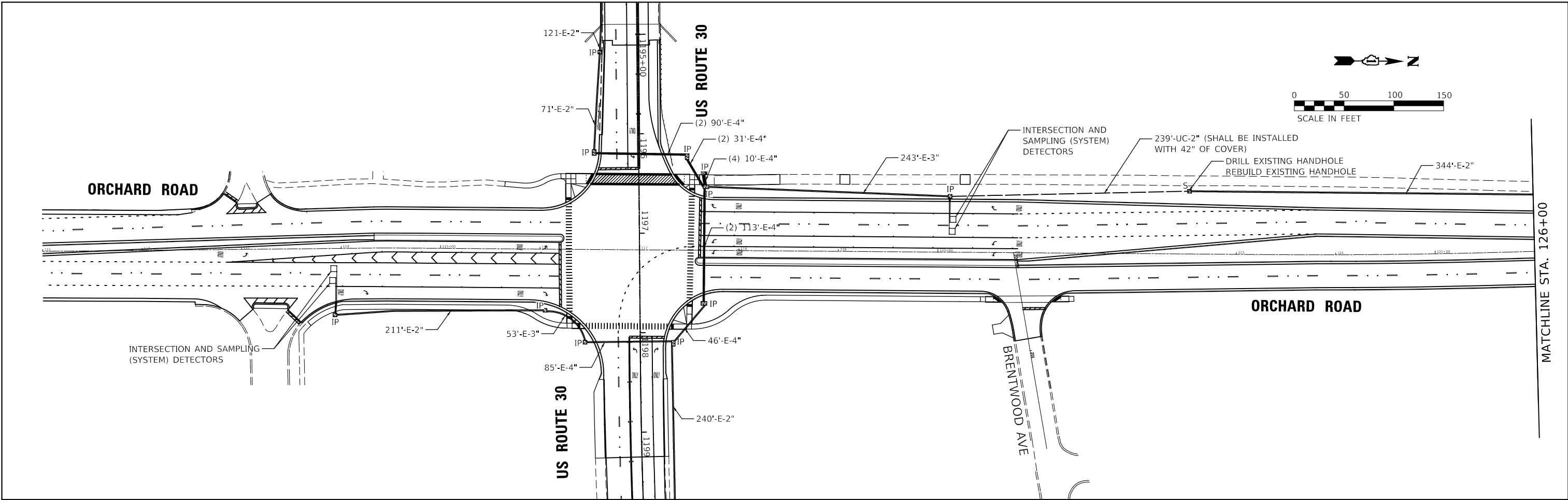
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 20'      SHEET 2 OF 4 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	116
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

ECON



- NOTE:
1. THE CONTRACTOR SHALL PULL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE THROUGH THE EXISTING CONDUIT AS SHOWN ON THE PLANS.
  2. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING FIBER OPTIC CABLE AND WILL BE REQUIRED TO REPLACE ANY DAMAGED CABLE AT NO ADDITIONAL COST TO THE CONTRACT.
  3. CONTRACTOR SHALL COORDINATE WITH KANE COUNTY NETWORK CONSULTANT PRIOR TO CONNECTING NEW EQUIPMENT TO KANE COUNTY NETWORK.

TS SHT NO. 32

MODEL: D:\sht\...  
 FILE: 17-00488-00-CH-17-13\_Final\_Interconnect.dgn



**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
PLOT SCALE = 1:100	DRAWN - SS	REVISED - 10/18/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 10/27/2021
	DATE - 10/04/2021	REVISED - 11/03/2021

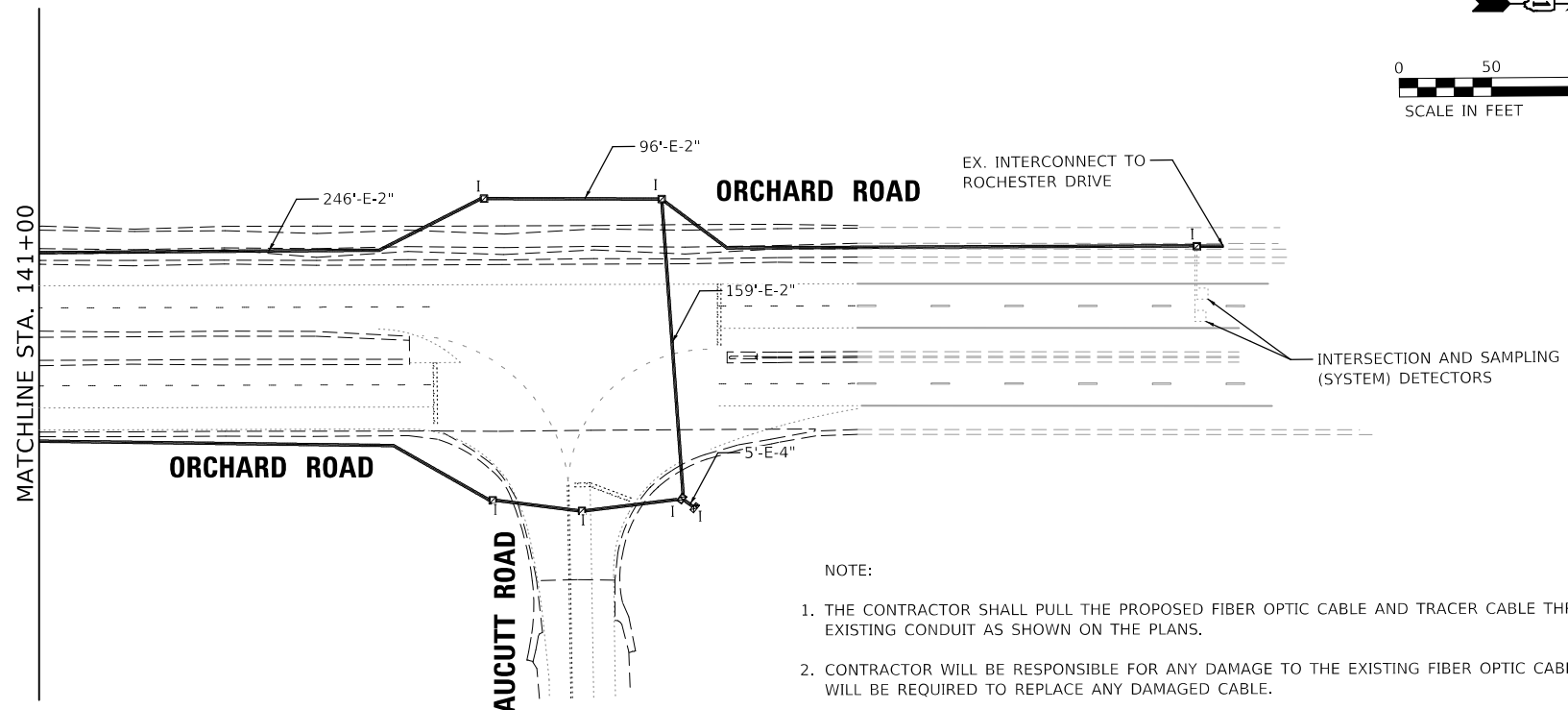
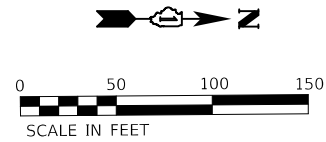
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	116
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

ECON



- NOTE:
1. THE CONTRACTOR SHALL PULL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE THROUGH THE EXISTING CONDUIT AS SHOWN ON THE PLANS.
  2. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING FIBER OPTIC CABLE AND WILL BE REQUIRED TO REPLACE ANY DAMAGED CABLE.
  3. CONTRACTOR SHALL COORDINATE WITH KANE COUNTY NETWORK CONSULTANT PRIOR TO CONNECTING NEW EQUIPMENT TO KANE COUNTY NETWORK.

TS SHT NO. 33

MODEL: US\_30  
 FILE: Model\_20\_2018110207\_OrchardRoadatRoute30.cadd\Clld\Drawings\180287-TS-14\_Final\_Interconnect.dgn



**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

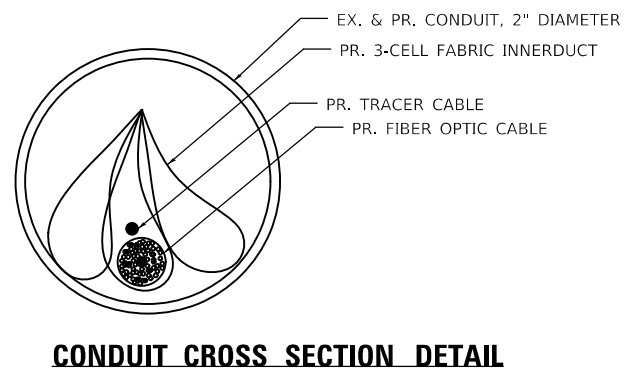
USER NAME = awuellner	DESIGNED - KAC	REVISED - 10/11/2021
	DRAWN - SS	REVISED - 10/18/2021
PLOT SCALE = 1:100	CHECKED - YOO	REVISED - 10/27/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED - 11/03/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

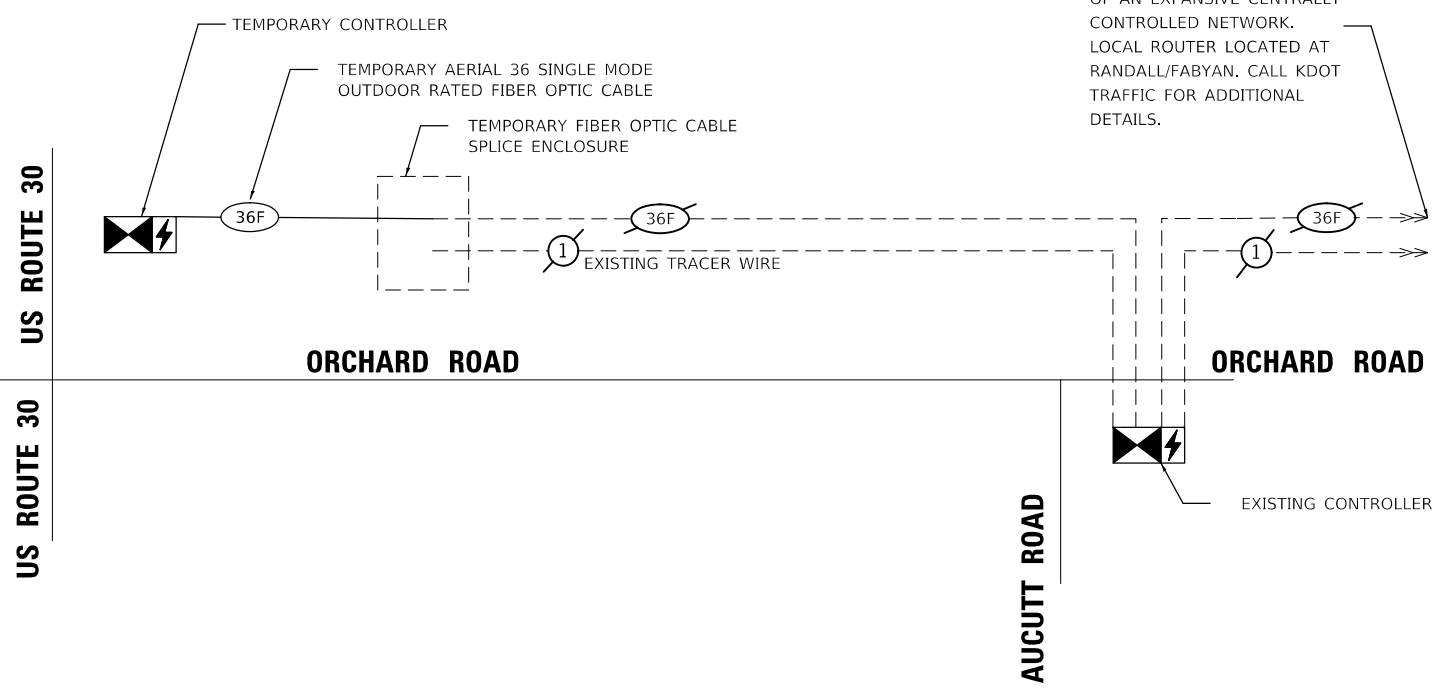
<b>TRAFFIC SIGNAL INTERCONNECT PLAN    ORCHARD ROAD AT US ROUTE 30 INTERSECTION</b>			
SCALE: 1" = 50'	SHEET 2	OF 3	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	117
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

ECON



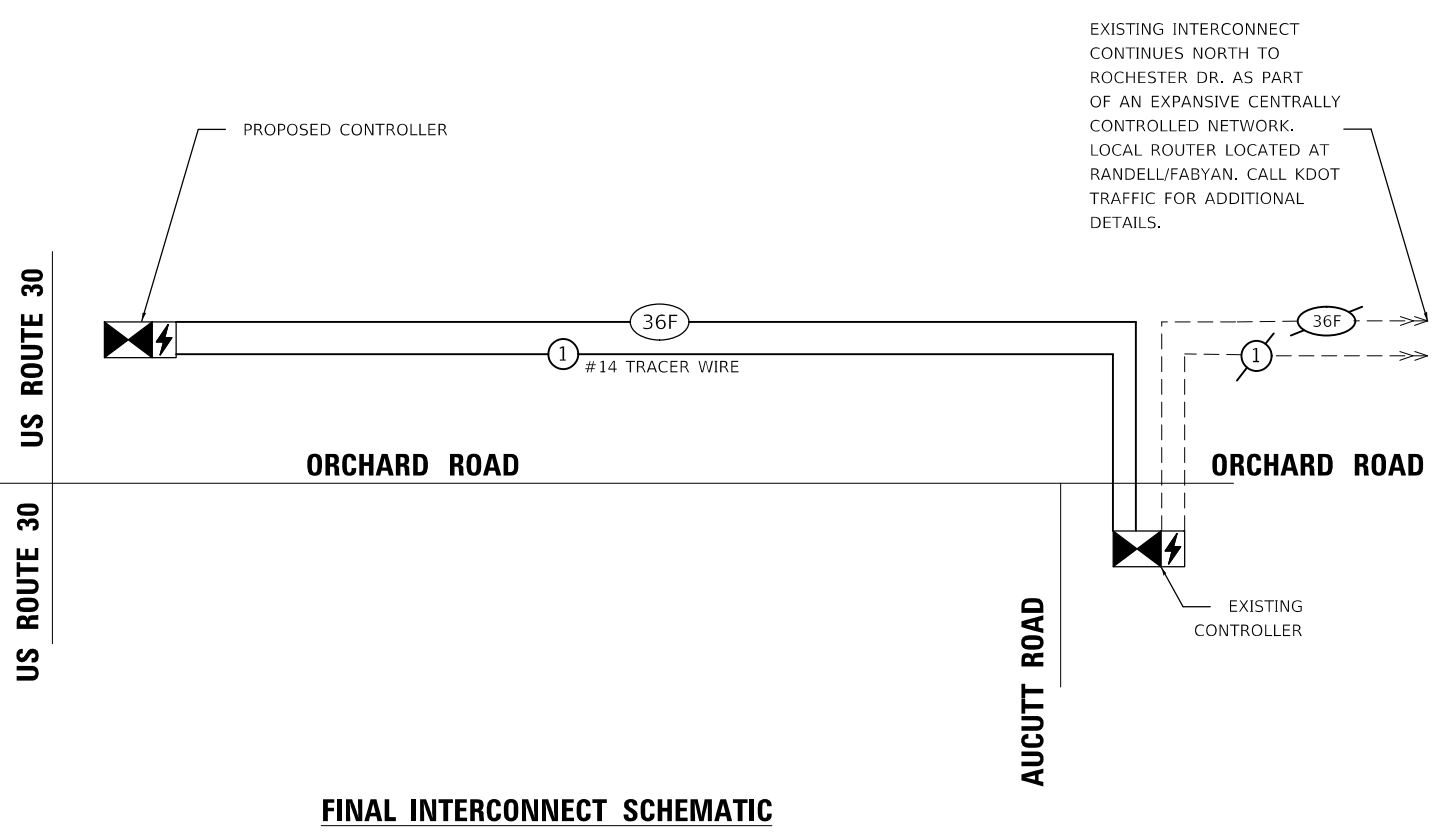
**CONDUIT CROSS SECTION DETAIL**



**TEMPORARY INTERCONNECT SCHEMATIC**

**NOTES**

1. MAINTENANCE OF EXISTING TRAFFIC SIGNALS SHALL BE FOR ORCHARD ROAD AT AUCUTT ROAD.
2. OPTIMIZATION OF THE TRAFFIC SIGNAL SYSTEM ON ORCHARD ROAD SHALL INCLUDE THE FOLLOWING INTERSECTIONS:
  - US 30
  - AUCUTT
  - ROCHESTER
  - JERICHO



**FINAL INTERCONNECT SCHEMATIC**

**SCHEDULE OF QUANTITIES**

DESCRIPTION	UNIT	TOTAL QUANTIT
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	239
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,333
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,974
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,974
ROD AND CLEAN EXISTING CONDUIT	FOOT	2,343
FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	3,333
REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	2,974
NETWORK CONFIGURATION	L SUM	1
ETHERNET SWITCH, TYPE 2	EACH	1
THREE CELL FABRIC INNERDUCT	FOOT	3,333

ECON

TS SHT NO. 34

MODEL: US\_30  
FILE: N:\mfg\_21-20\181180287\_OrchardRoadatAucutt30.cadd\Civil\Drawings\180287-15-15\_Final\_Interconnect.dgn



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:100	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

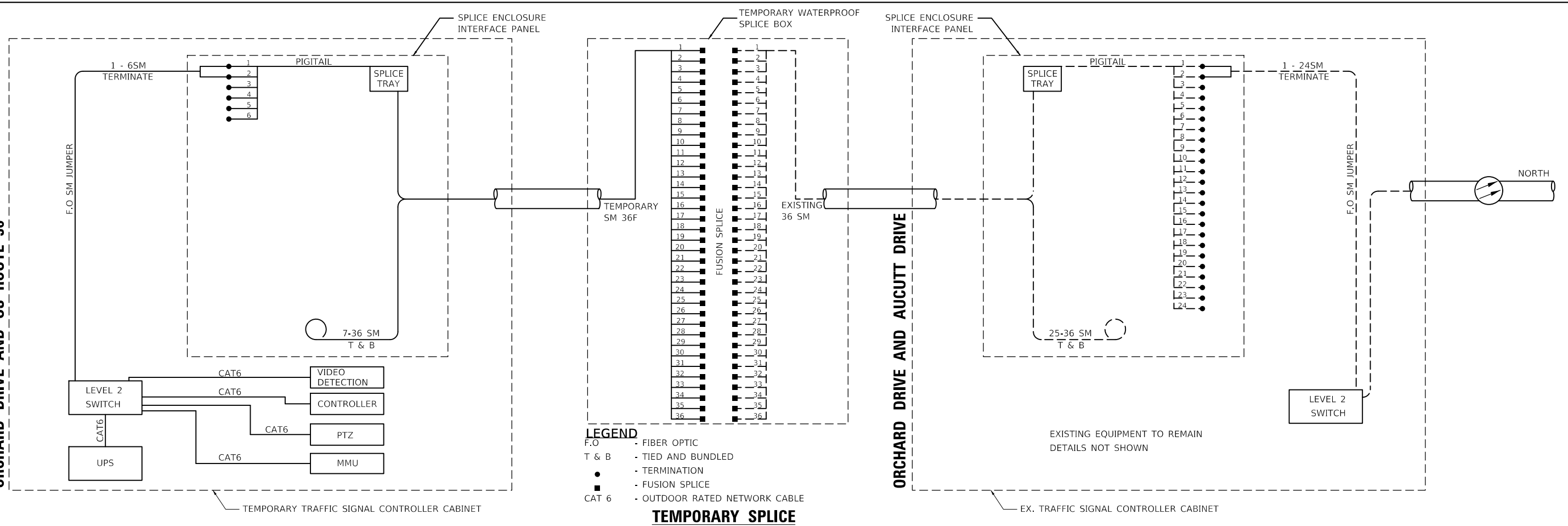
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

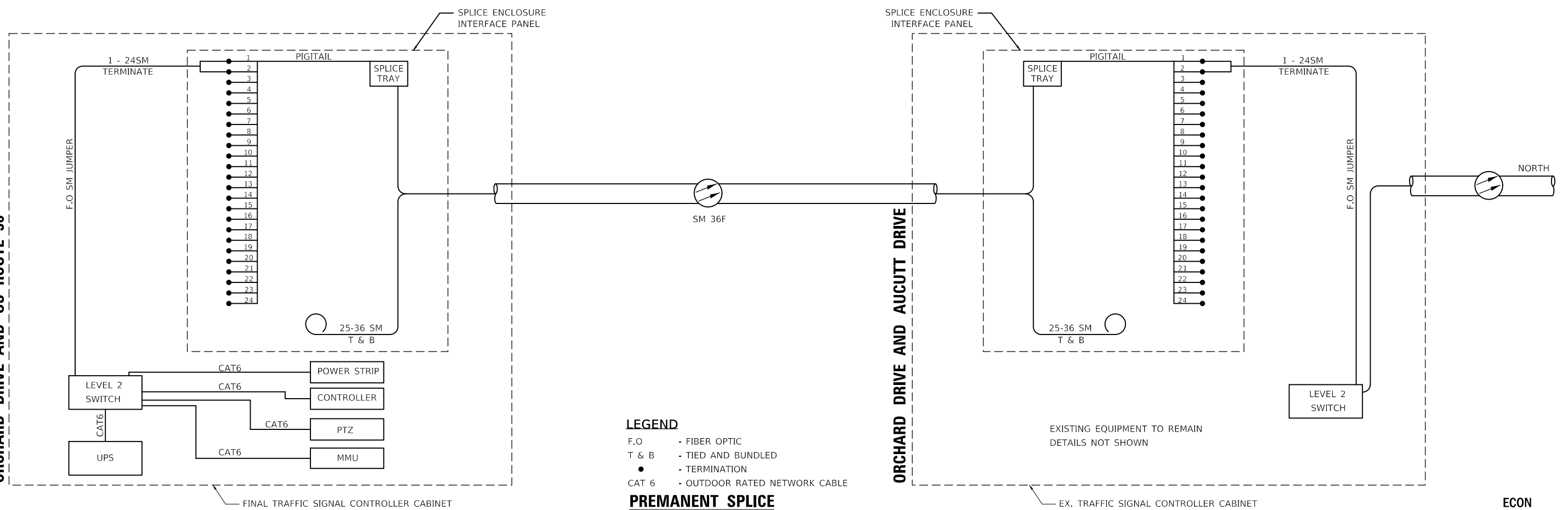
SCALE: NTS SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 118
ILLINOIS FED. AID PROJECT 93511746			CONTRACT NO. 61H49	

ORCHARD DRIVE AND US ROUTE 30



ORCHARD DRIVE AND US ROUTE 30



TS SHT NO. 35

MODEL: D:\tsht.dwg  
FILE NAME: 202301181102287\_OrchardRoadatRoute30.cad\CD\Drawings\1802287-TS-16\_Fiber\_Splice\_Diagrams.dgn



**WBK ENGINEERING, LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

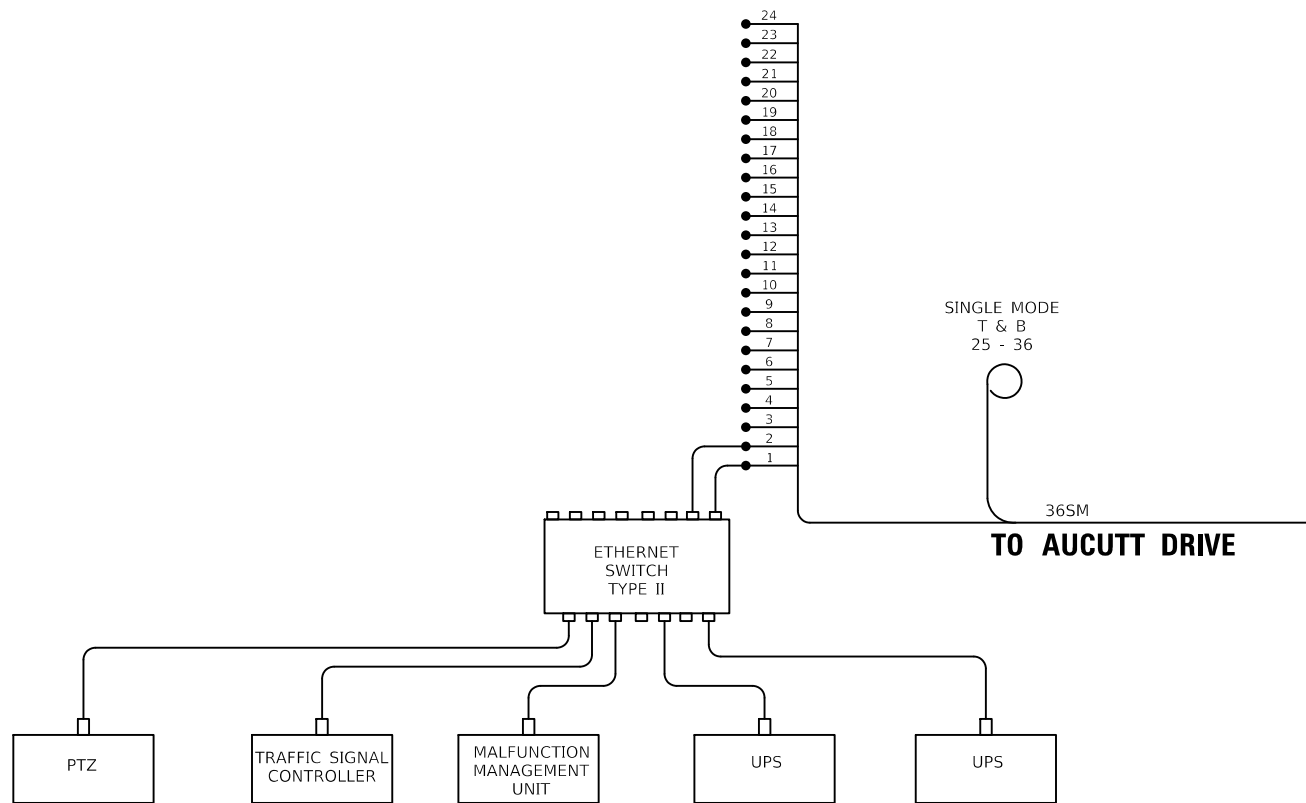
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC SPLICE DIAGRAMS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION

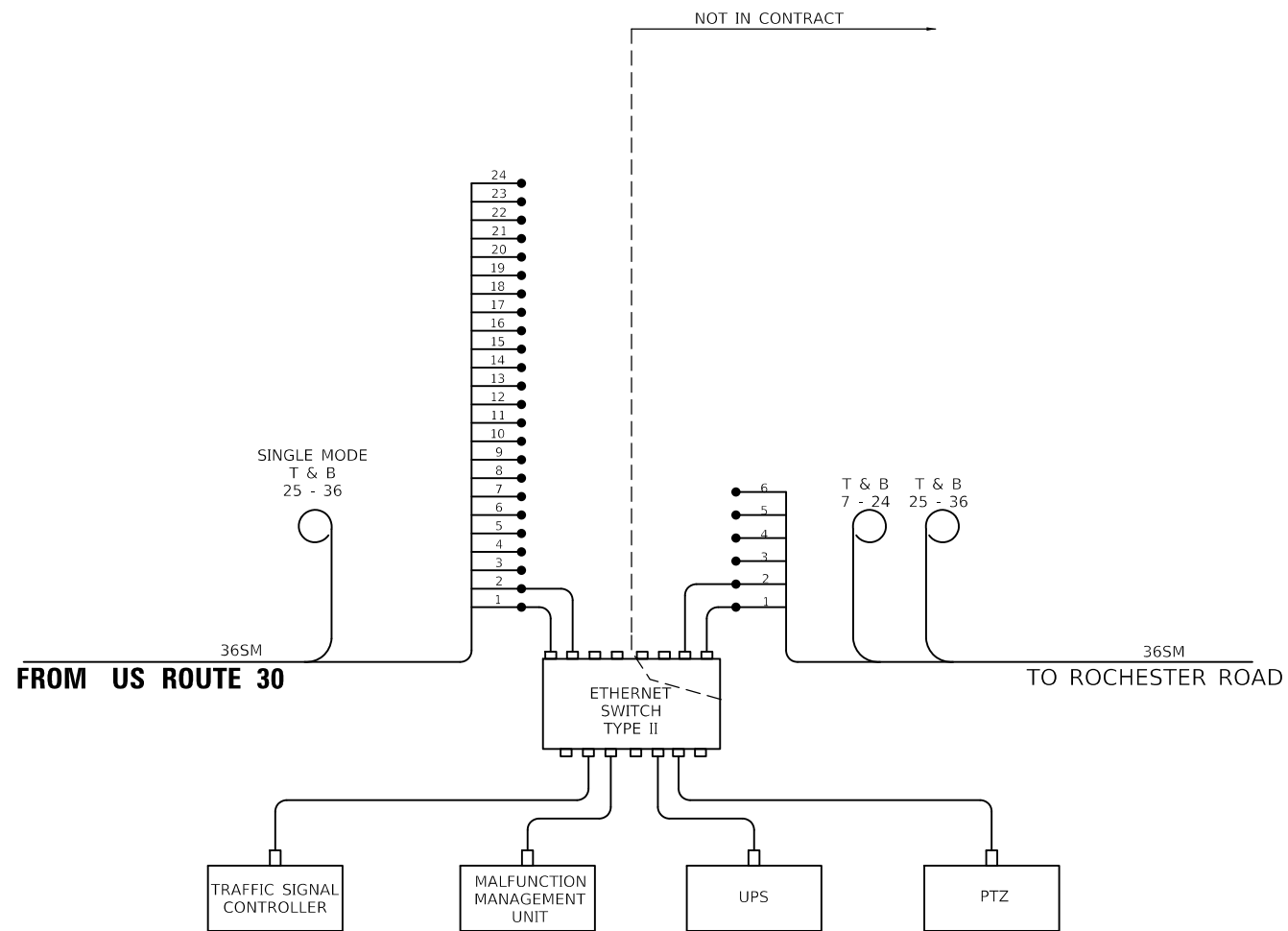
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 119
ILLINOIS FED. AID PROJECT 93511746			CONTRACT NO. 61H49	

ECON



**ORCHARD ROAD AT US ROUTE 30**



**ORCHARD ROAD AT AUCUTT DRIVE**

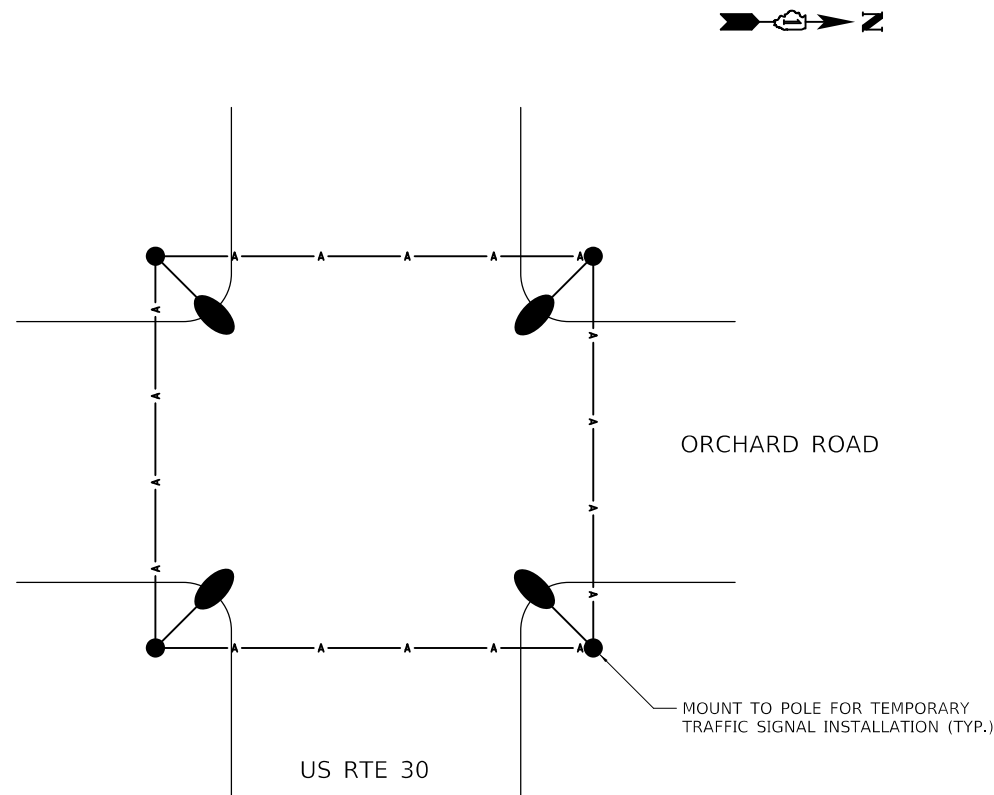
**LEGEND**

- F.O - FIBER OPTIC
- T & B - TIED AND BUNDLED
- - TERMINATION

ECON

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	120
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 9351(746)				



**TEMPORARY LIGHTING DIAGRAM**  
(NOT TO SCALE)

**NOTES:**

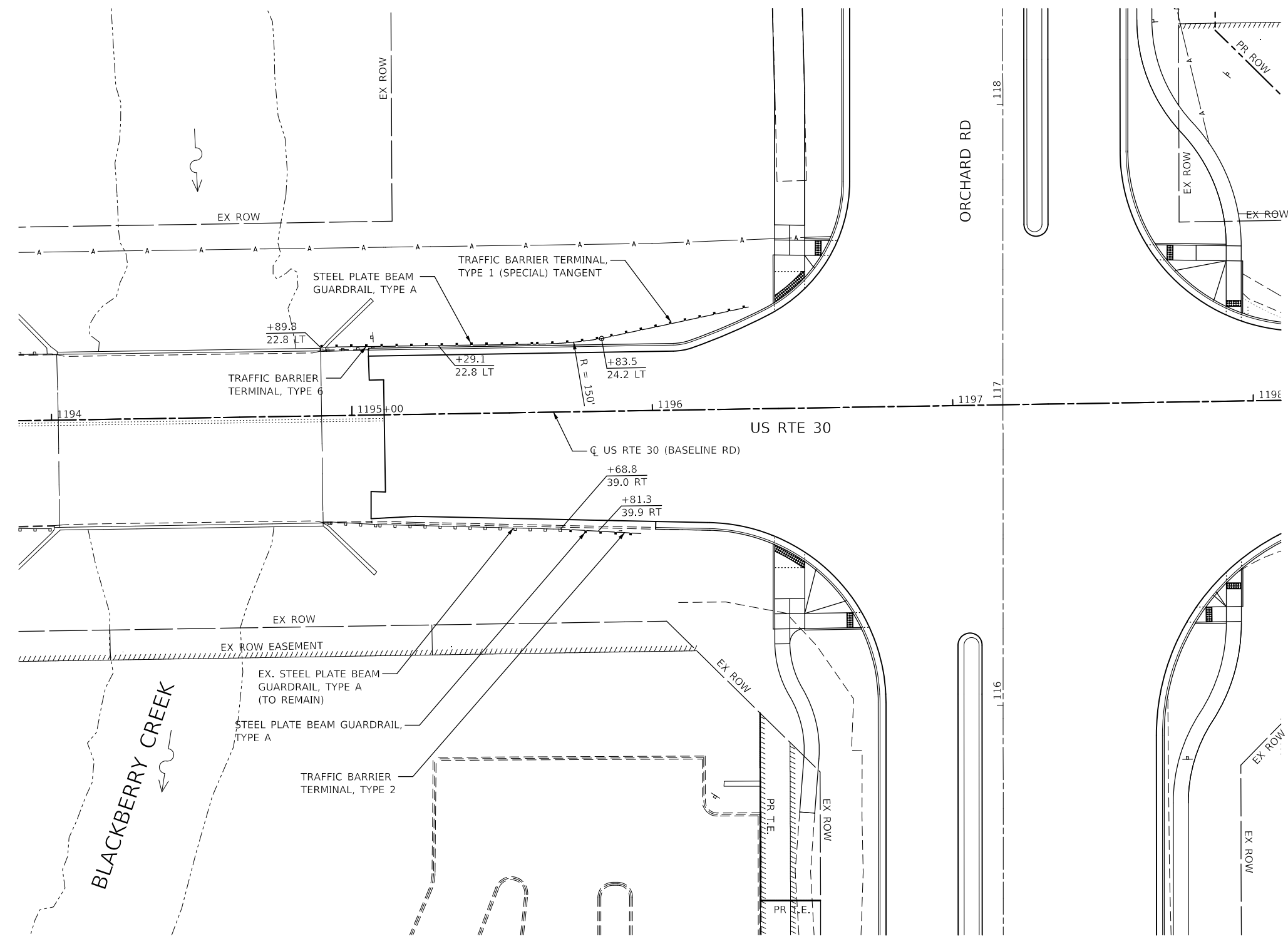
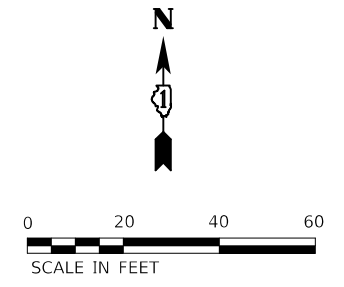
1. SEE TEMPORARY SIGNAL DRAWINGS FOR MORE DETAILS.
2. ORIENT MAST ARMS TOWARD CENTER OF INTERSECTION.
3. PROVIDE 15' MAST ARM FOR EACH FIXTURE. ATTACH TO TEMPORARY SIGNAL POLE FOR 39' MOUNTING HEIGHT ABOVE FINISHED GRADE. MAST ARM SHALL BE INCLUDED WITH TEMPORARY LIGHTING PAY ITEM.
4. SUPPLY THE TEMPORARY LIGHTING FROM THE TEMPORARY TRAFFIC SIGNAL CONTROLLER. CONDUCTORS FROM THE CONTROLLER TO THE LUMINAIRES SHALL BE XLP #10 MINIMUM. COMBINE THE LIGHTING CIRCUIT WIRING WITH THE TRAFFIC SIGNAL CIRCUIT WIRING ON THE AERIAL CABLE.
5. PROVIDE LUMINAIRE SAFETY CABLE FOR EACH LUMINAIRE ACCORDING TO DISTRICT 1 ELECTRICAL DETAIL DRAWING BE701. SAFETY CABLE SHALL BE INCLUDED WITH THE TEMPORARY LUMINAIRE PAY ITEM.
6. SEE DISTRICT 1 STANDARD DETAIL DRAWING BE800 FOR INSTALLATION DETAILS FOR THE TEMPORARY LIGHTING.

BASIS OF DESIGN - TEMPORARY LUMINAIRE	
LUMINAIRE TYPE:	ROADWAY
LUMINAIRE DESCRIPTION:	LED COBRAHEAD
MANUFACTURER:	GE CURRENT
PRODUCT NAME:	GE EVOLVE
CATALOG NUMBER:	ERL2-0-16C340-D-GRAY
PHOTOMETRIC FILE NAME:	ERL2_16C340_IES
LIGHT SOURCE TYPE:	LIGHT EMITTING DIODE
LUMINAIRE WATTAGE:	120W
CORRELATED COLOR TEMPERATURE (CCT):	4000K
COLOR RENDERING INDEX (CRI):	70
ABSOLUTE LUMENS (INITIAL):	16,000LM
LENSES:	FLAT GLASS
OPTICS:	REFRACTOR APPLIED TO EACH LED
IES DISTRIBUTION:	IESNA TYPE 3
LED DRIVER:	CONSTANT CURRENT DC OUTPUT SURGE PROTECTION (C62.41.2) THD<20%, PF>0.9
SUPPLY VOLTAGE:	120V, SINGLE PHASE
NOTES:	
1. PROVIDE TEMPORARY LUMINAIRE ACCORDING TO SPECIAL PROVISION "LUMINAIRE LED (BDE)" FOR ROADWAY LUMINAIRE, OUTPUT DESIGNATION G.	
2. THE MANUFACTURER AND CATALOG NUMBER INDICATED ABOVE IS FOR REFERENCE. DIFFERENT MANUFACTURER'S EQUIPMENT THAT SATISFIES THE REQUIREMENTS OF THE SPECIAL PROVISION IS ACCEPTABLE, HOWEVER SHALL HAVE EQUIVALENT PERFORMANCE.	

MODEL: D:\p1\180287\_OrchardRoad\BosStat\Bos30.cad\Clu\Dim\Sht1\180287-1-P-01.dgn

USER NAME = awuelner	DESIGNED - TJS	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 1:40	CHECKED - DAR	REVISED -
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	121
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				



MODEL: Dwg.dwg  
 FILE NAME: 20230101180287\_OrchardRoadatRoute30.cadd\Civil\Drawings\180287-0702.dwg

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - VLM	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:40	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REV. - 11/03/2021	REV. -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED GUARDRAIL DETAILS  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

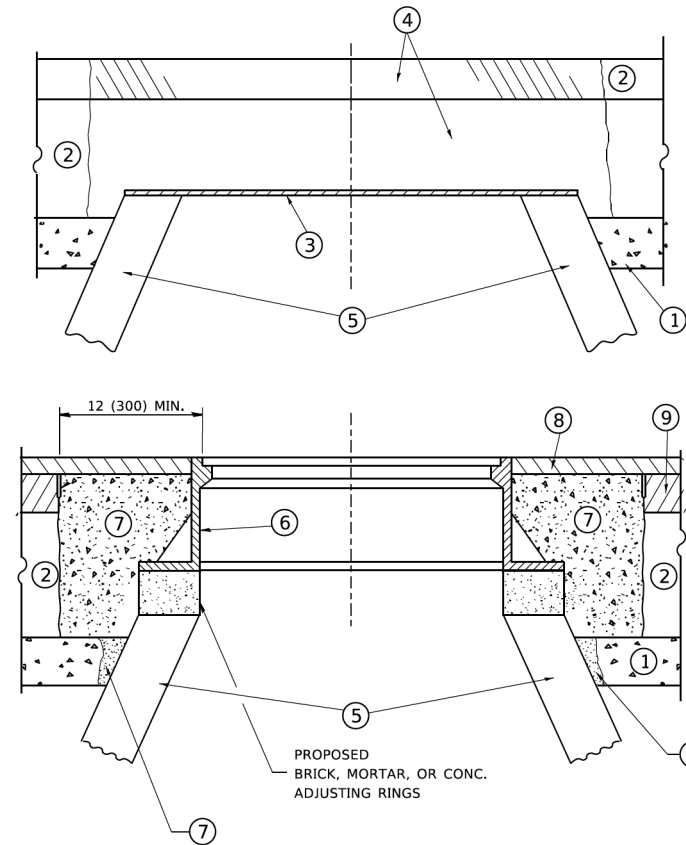
SCALE: NTS      SHEET 2 OF 2 SHEETS      STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	122
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				









**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 \* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1 \*CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL - Default  
FILE - \\miller-prod\planroom\edc\_illinois\pwr\DOT\Documents\DOT\_Offices\District\_3\Projects\Dist3\27231\CADD\ba\CADsheets\308.dgn

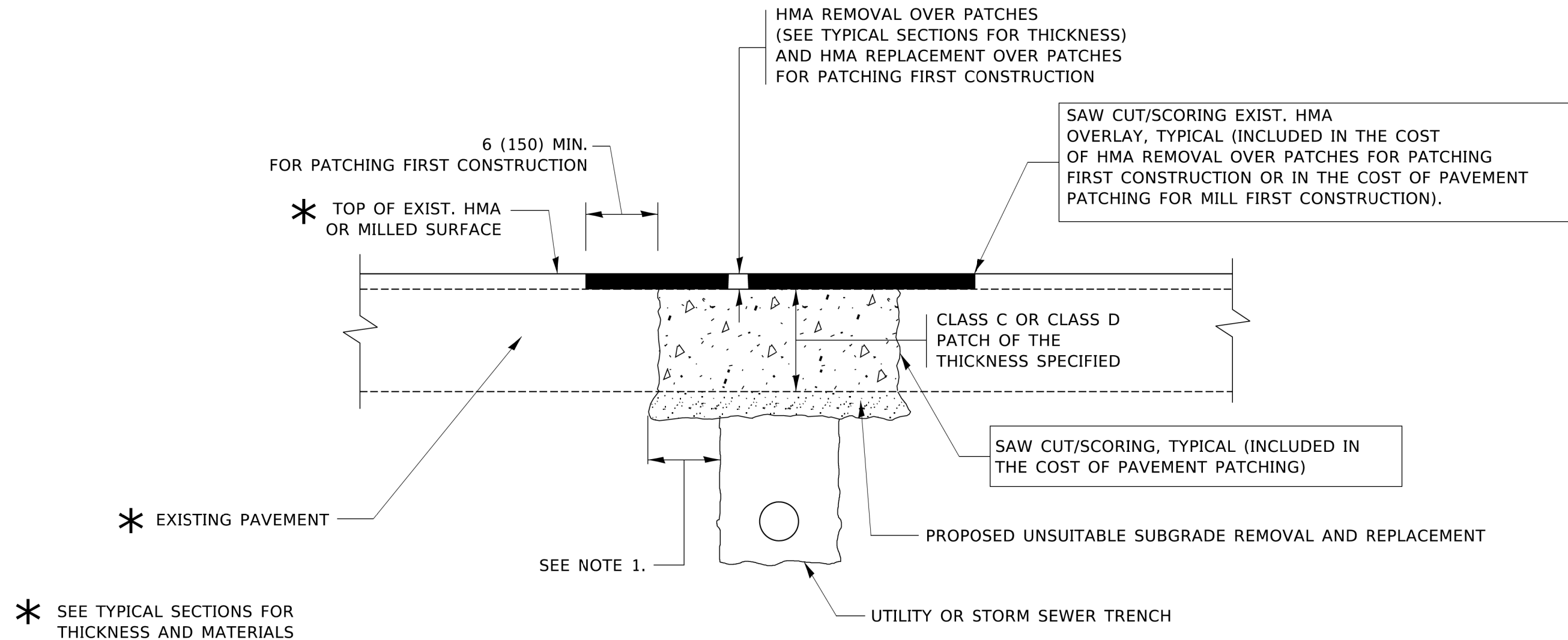
USER NAME = footemj	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	125
<b>BD600-03 (BD-8)</b>		CONTRACT NO. 61H49		
ILLINOIS   FED. AID PROJECT 9351(746)				



**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: Default  
FILE: M:\etc\proj\plan\com\dot\illinois.gov\p\w\DOT\Documents\DOT\_Offices\District\_1\Projects\DIHS\22\23\1\CAD\BAA\CAD\sheet\B22.dgn

USER NAME = footemj	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

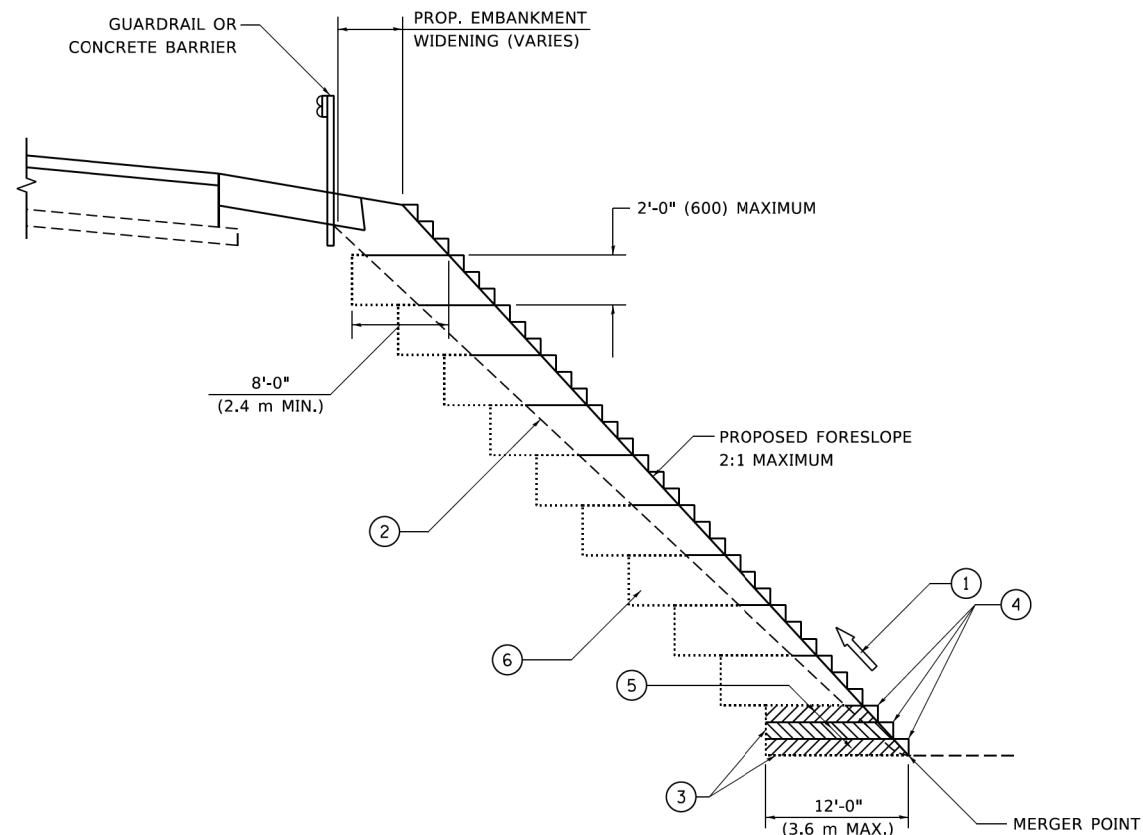
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	126
BD400-04 (BD-22)			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT 935117461				





**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

MODEL: Default  
FILE: \\miller-prod\planning\com\dot\illinois.gov\pww\DOT\Documents\DOT\_Offices\District\_1\Projects\DH\527231\CADD\ba\CADsheets\bd51.dgn

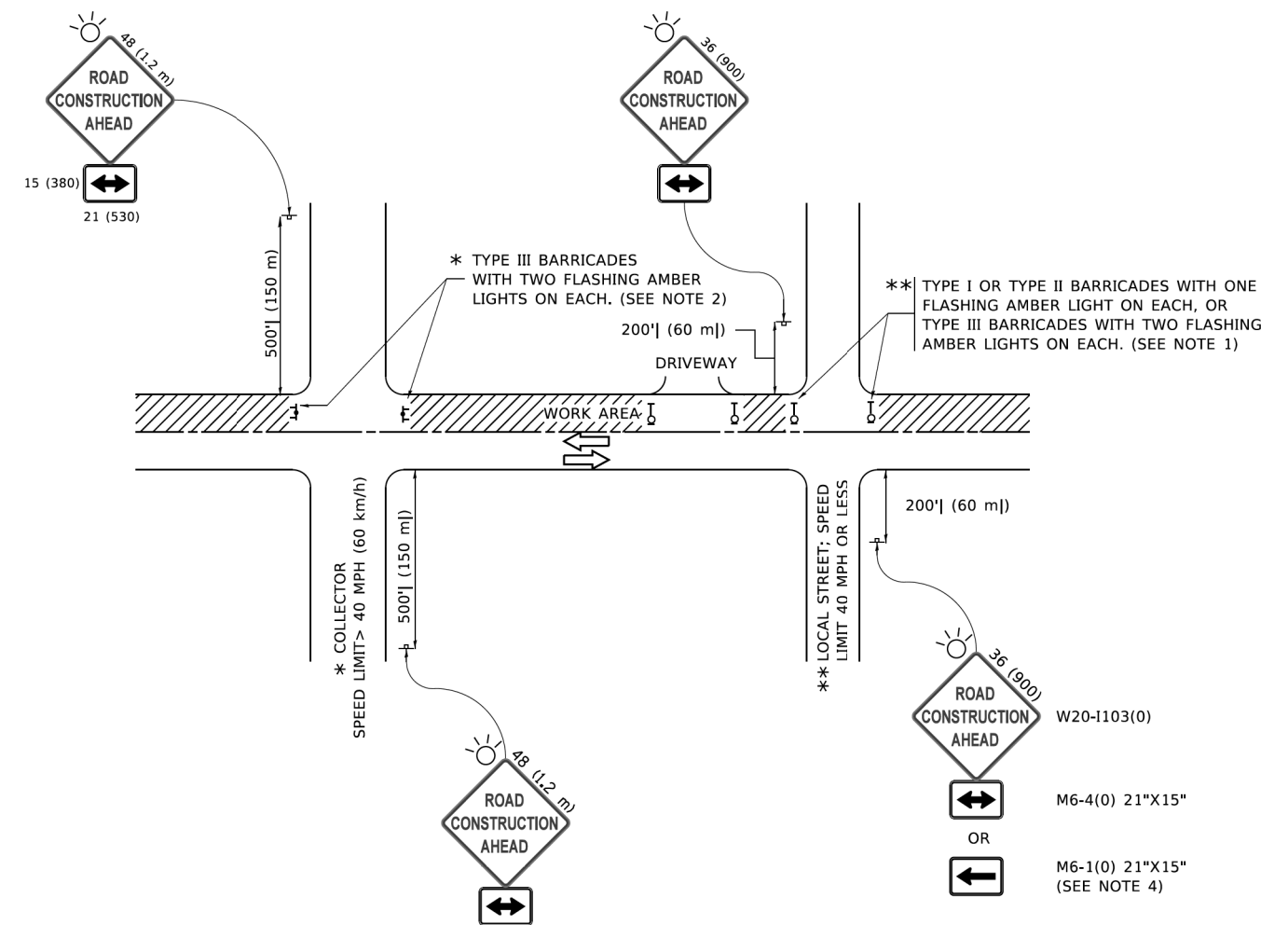
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN - CADD	REVISED -
PLOT SCALE = 50,0000' / 1"	CHECKED - S.E.B.	REVISED -
PLOT DATE = 3/27/2019	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL  
FOR EMBANKMENT WIDENING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	128
<b>BD-51</b>			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT 935117461				



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: Default  
 FILE NAME: P:\1108488\BID\NTEG\Illinois.gov\PIWDOT\Documents\DOT\_Offices\Dist\ctc\_1\Projects\Dist\5273-2a\CADD\at\CAD\sheet\ctc1.dgn

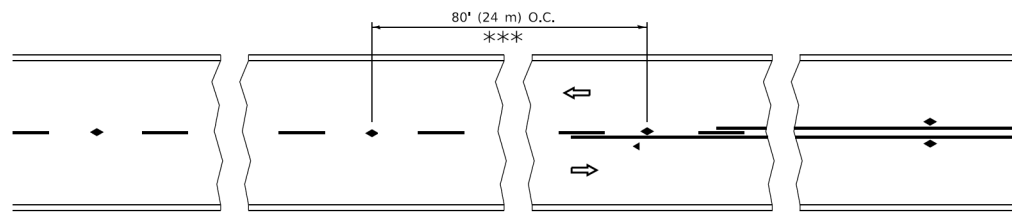
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

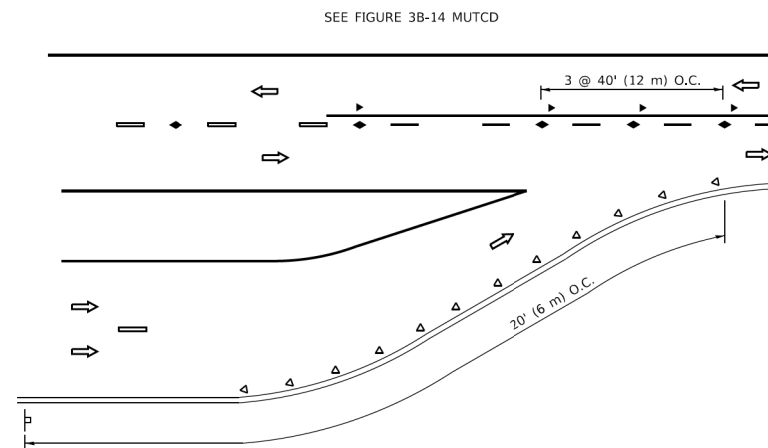
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	129
<b>TC-10</b>			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT 935117461				

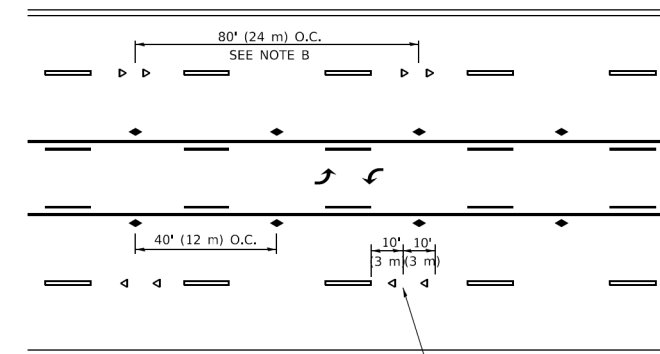


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

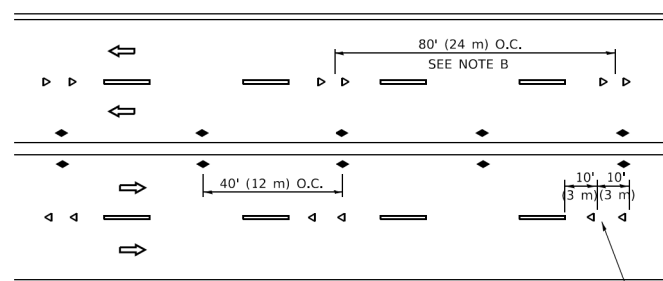
### TWO-LANE/TWO-WAY



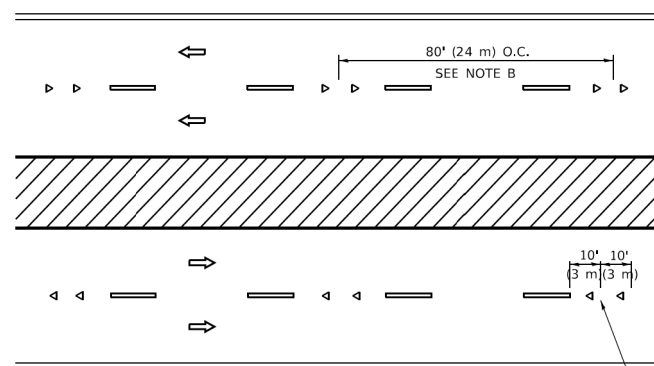
### LANE REDUCTION TRANSITION



### TWO-WAY LEFT TURN



### MULTI-LANE/UNDIVIDED



### MULTI-LANE/DIVIDED

### GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

### SYMBOLS

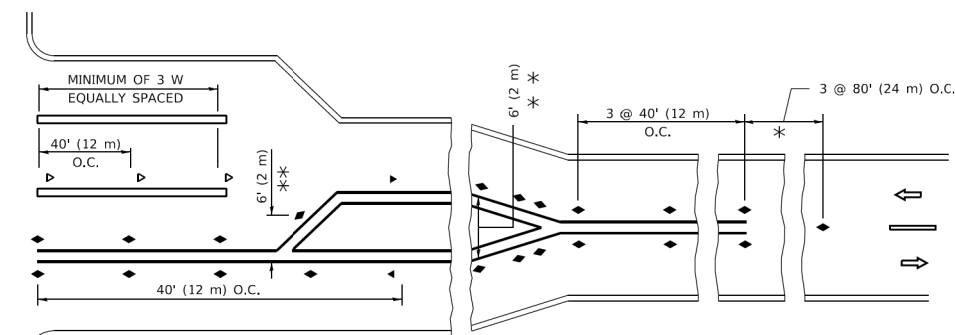
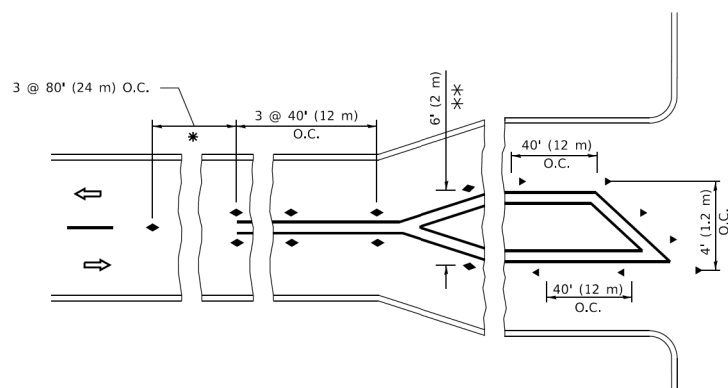
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

### LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

### DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



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

### TURN LANES

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

MODEL: Default  
 FILE NAME: p:\11408488\BID\NTEC\Illinois.gov\PIV\DOT\Documents\DOT\_Offices\District\_1\Projects\Sub\54273-2a\CADD\ha\CAD\sheet\stc11.dgn

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

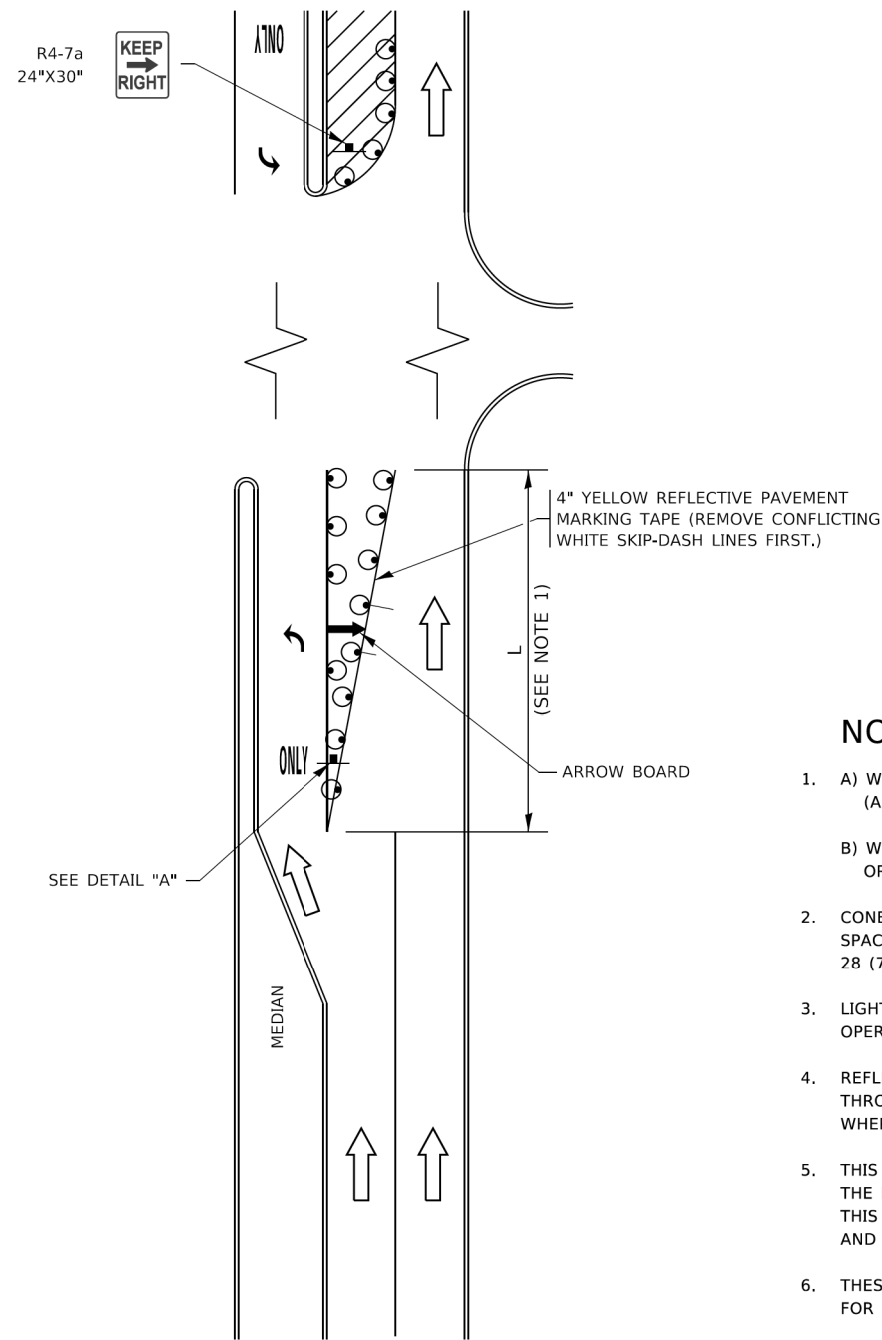
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	130
TC-11		CONTRACT NO. 61H49		
ILLINOIS FED. AID PROJECT 9351746				



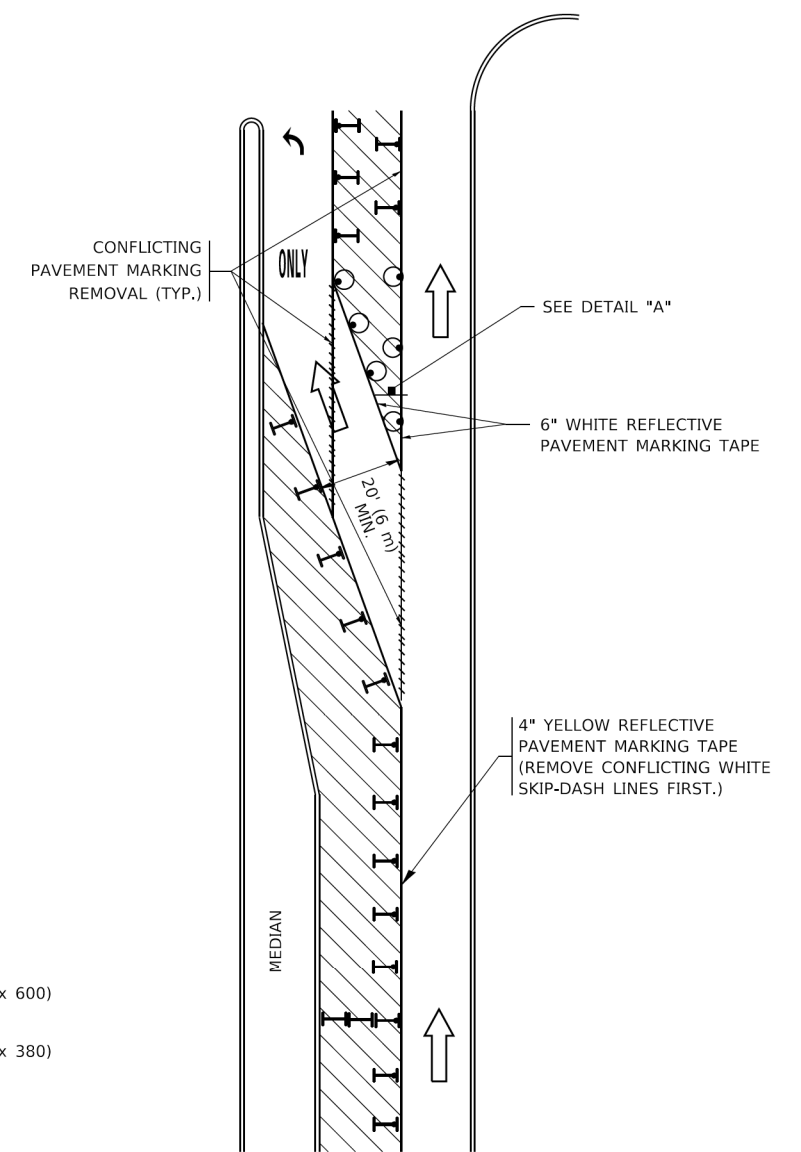


# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



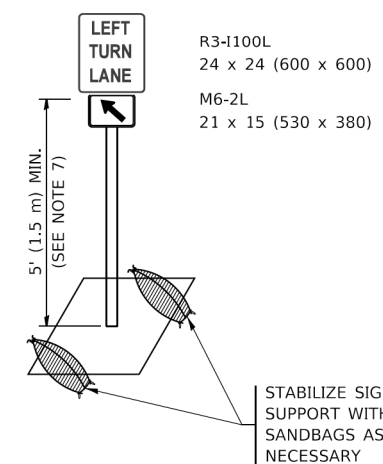
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

MODEL: Default  
FILE NAME: p:\1108488\BENTLEY\Illinois.gov\PROJECTS\Documents\DOT Offices\District 1\Projects\17-00488-00-CH\CAD\DATA\CAD\sheet1c14.dgn

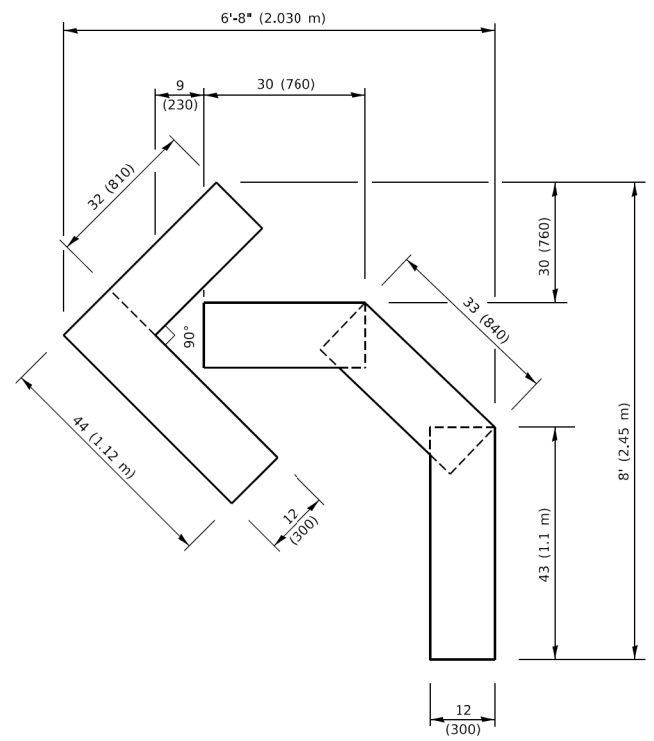
USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

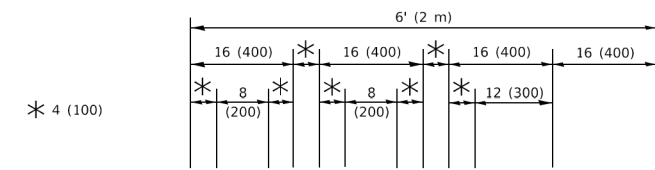
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	132
TC-14		CONTRACT NO. 61H49		
ILLINOIS FED. AID PROJECT 935117461				



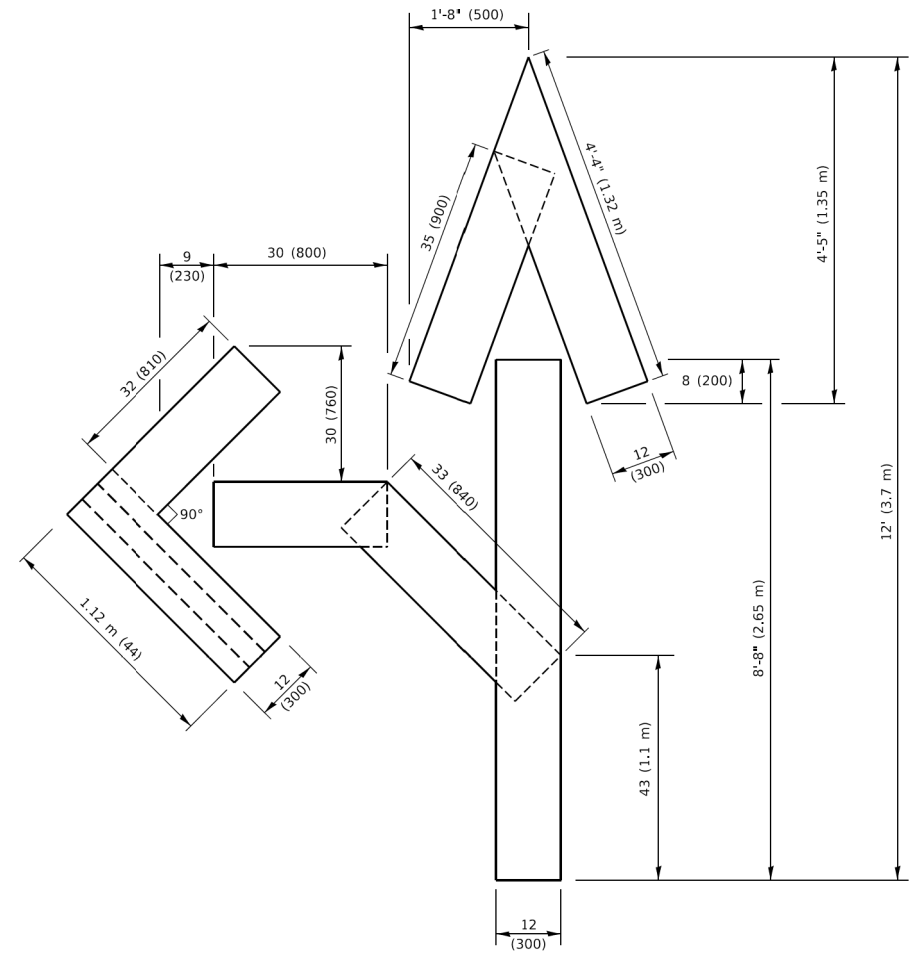
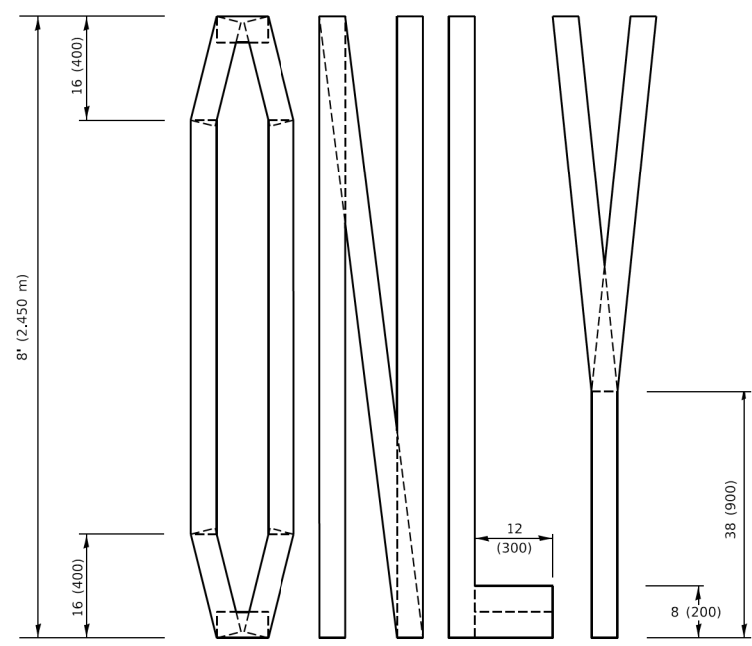
**QUANTITY**

4 (100) LINE = 45.5 ft. (13.9 m)  
15.2 sq. ft. (1.41 sq. m)



**QUANTITY**

4 (100) LINE = 64.1 ft. (19.5 m)  
21.4 sq. ft. (1.99 sq. m)

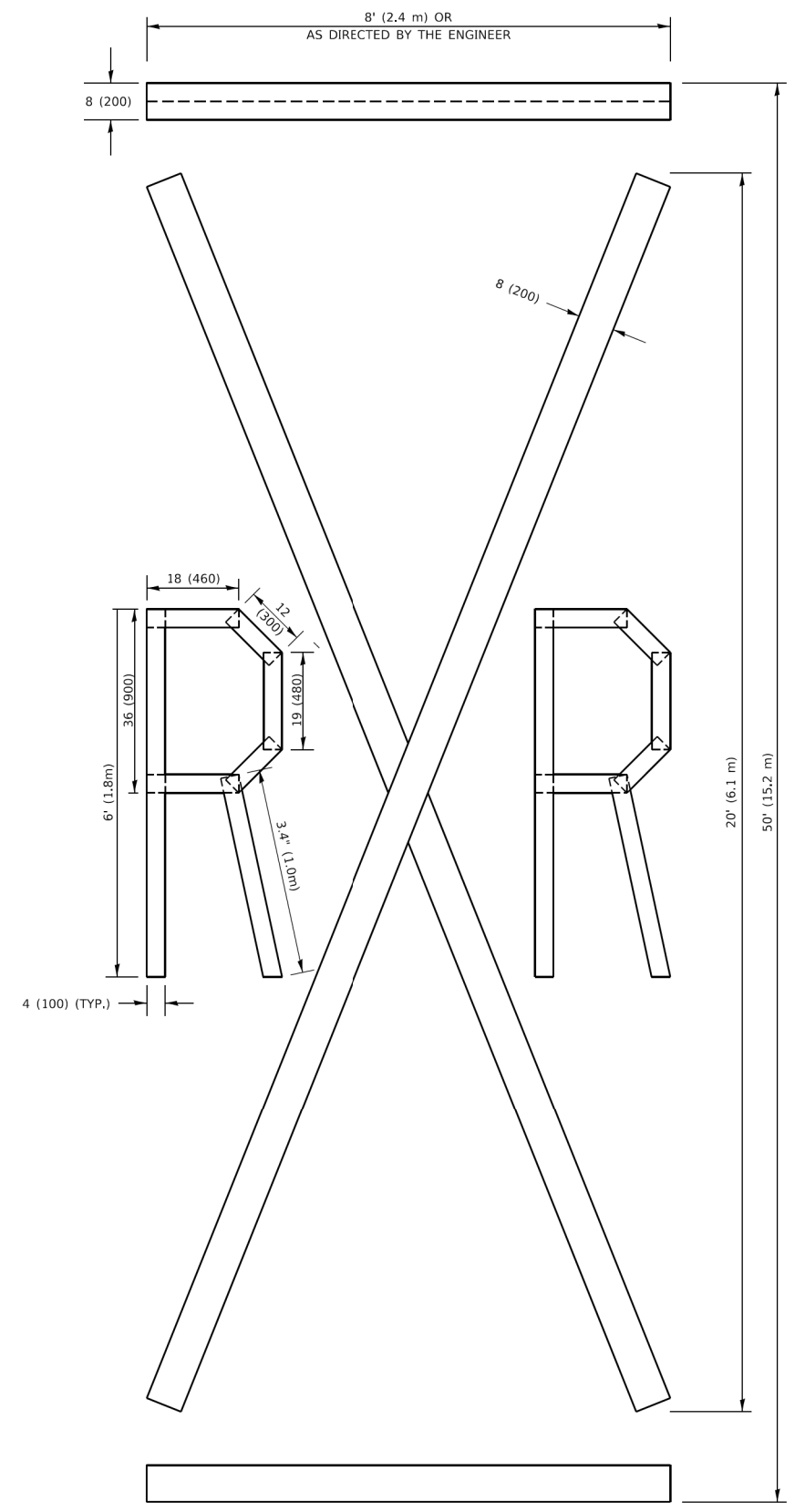


**QUANTITY**

4 (100) LINE = 82.5 ft. (25.1 m)  
27.5 sq. ft. (2.53 sq. m)

**NOTE:**

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**

4 (100) LINE = 225.9 ft. (68.9 m)  
75.3 sq. ft. (6.99 sq. m)

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

MODEL: Default  
FILE NAME: P:\ILLINOIS\BID\NTEG\Illinois.gov\PWIDOT\Documents\DOT\_Offices\Berket\_1\Projects\IDS\S22\24\CAD\Bna\CAD\sheet12.16.dgn

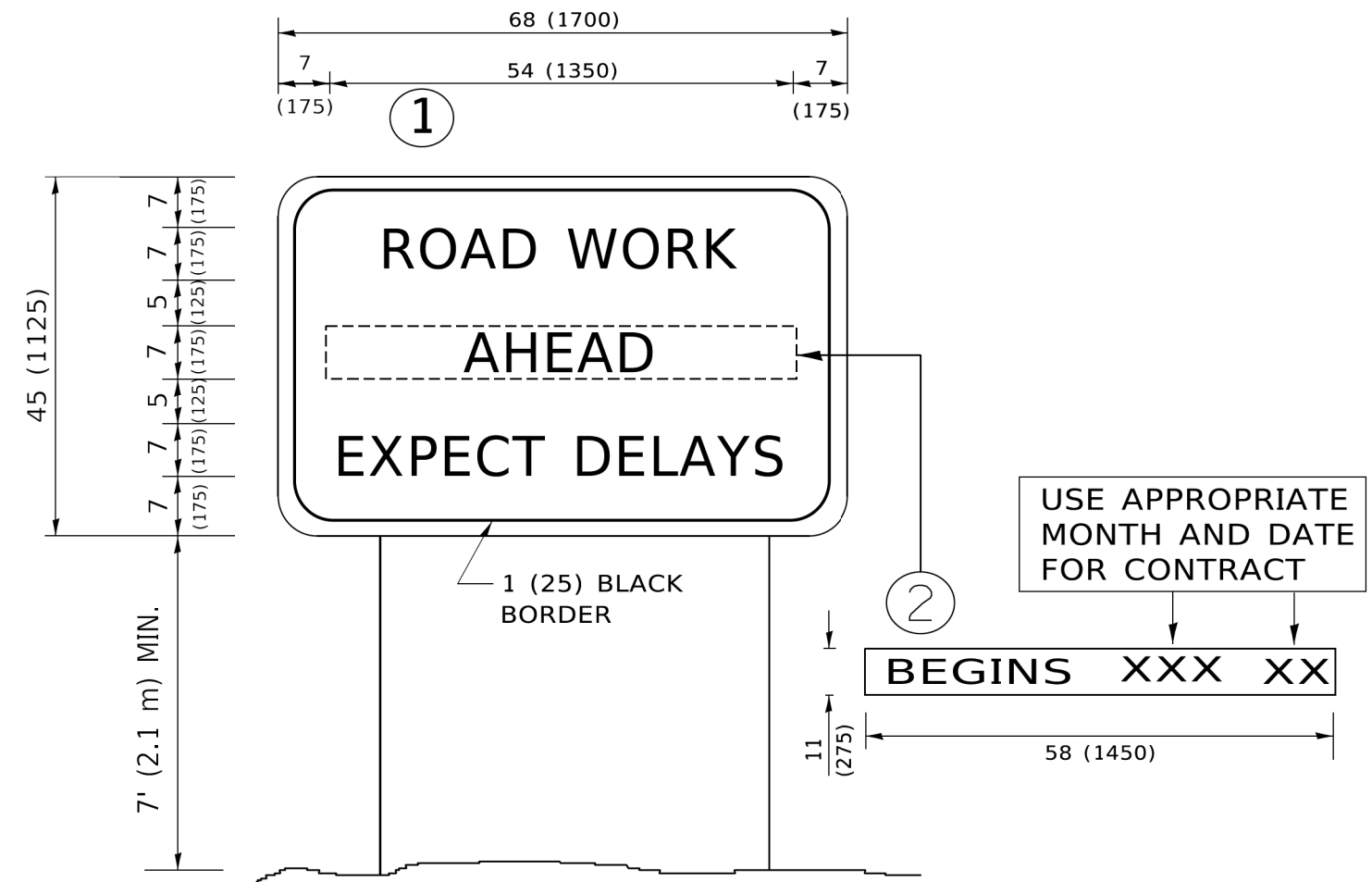
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068" / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	133
<b>TC-16</b>		CONTRACT NO. 61H49		
ILLINOIS FED. AID PROJECT 93511746				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL: Default  
 FILE NAME: P:\01\084\BID\NTEC\Illinois.gov\PIV\DOT\Documents\DOT\_Offices\Dist\ct\_1\Projects\Dist\54273-21\CADD\Dist\CAD\Sheet\122.dgn

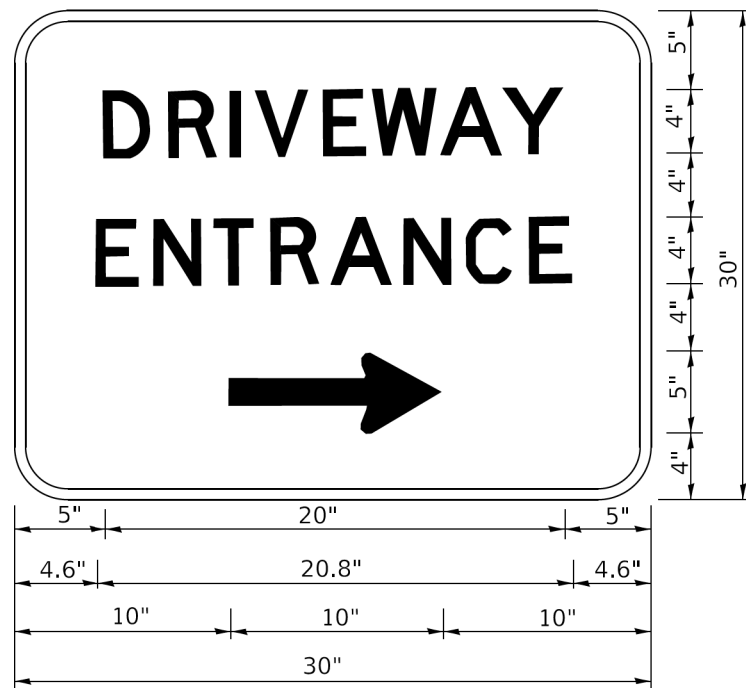
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	134
<b>TC-22</b>			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT 935117461				



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

**NOTES:**

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

MODEL: Default  
 FILE: \\mfc-prod\planroom\dot.illinois.gov\PIW\DOT\Documents\DOT\_Offices\District\_1\Projects\Dist1\22\23\CAD\BNA\CAD\Sheet126.dgn

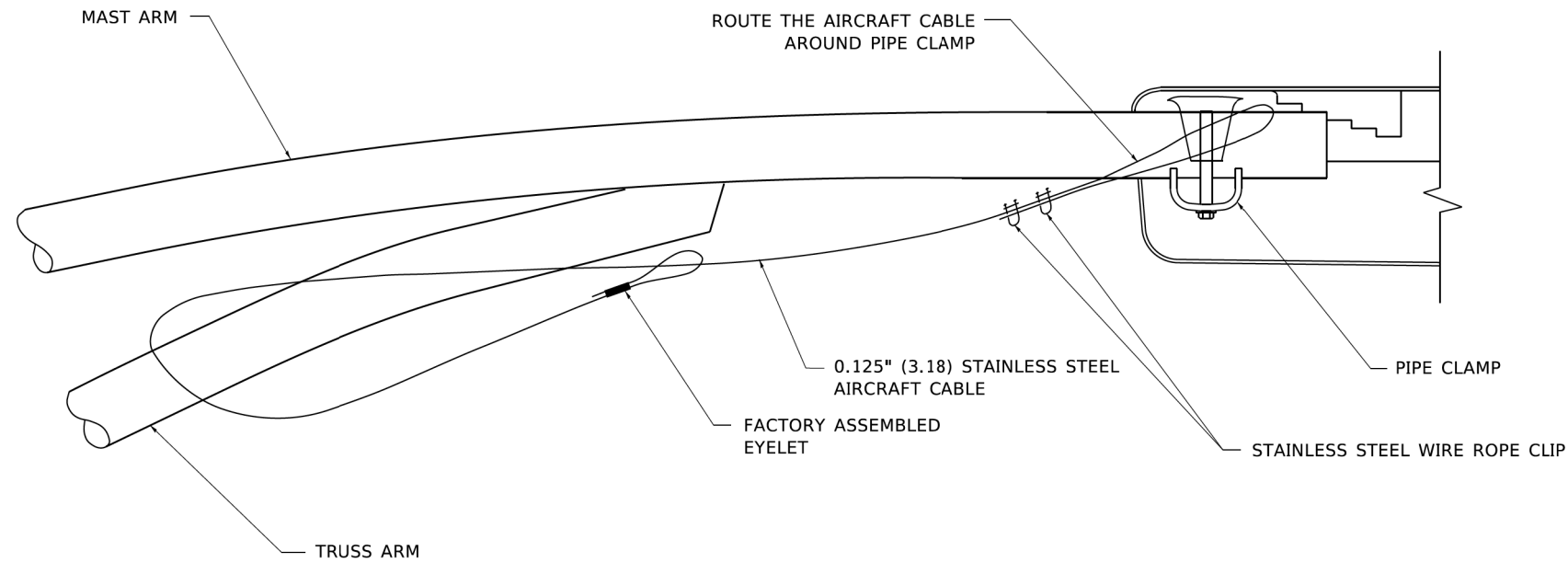
USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

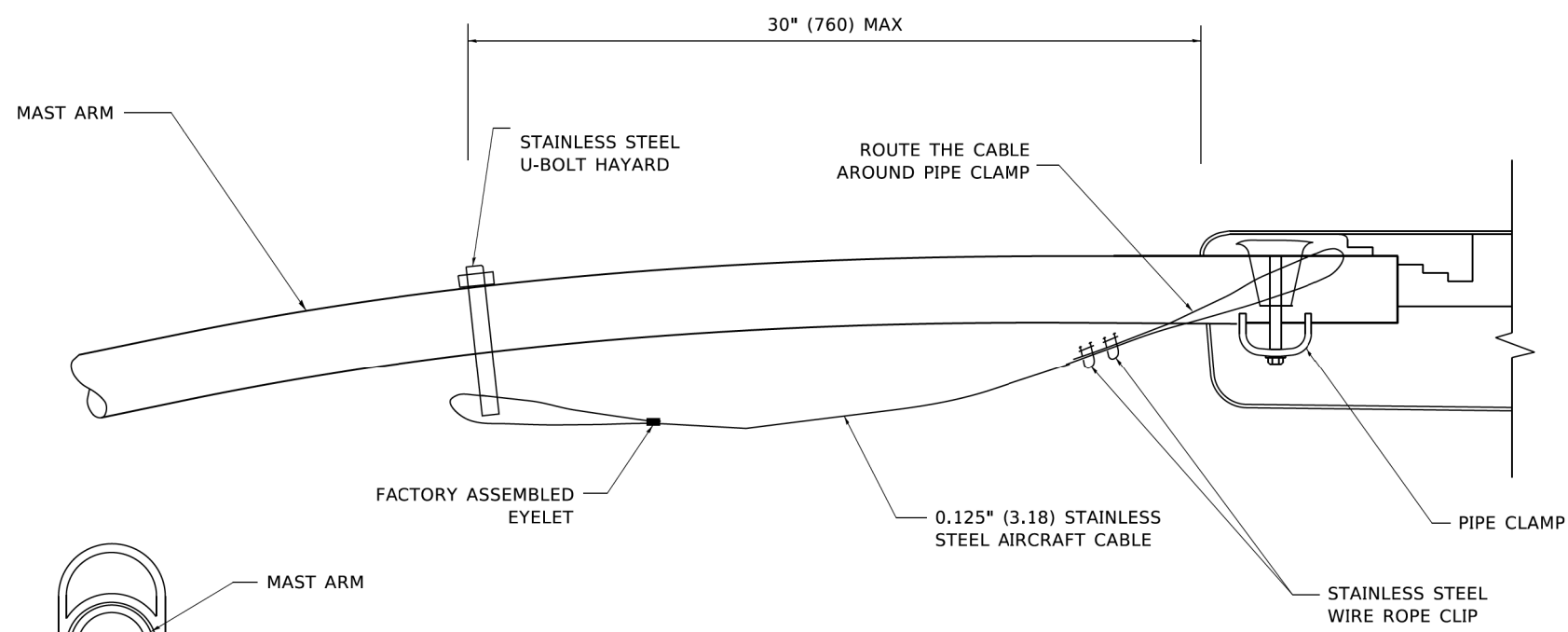
**DRIVEWAY ENTRANCE SIGNING**

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

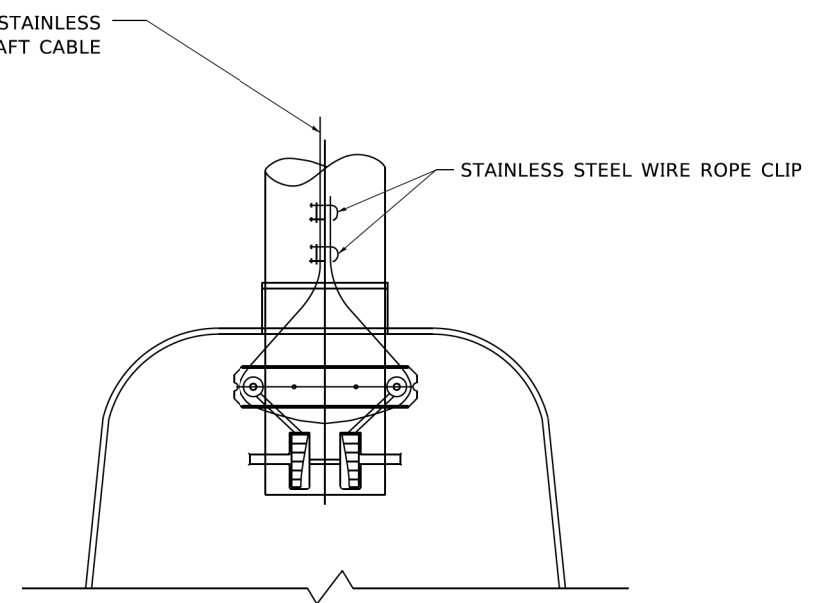
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	135
<b>TC-26</b>			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT 935117461				



**SIDE VIEW (TRUSS ARM)**  
**N.T.S.**



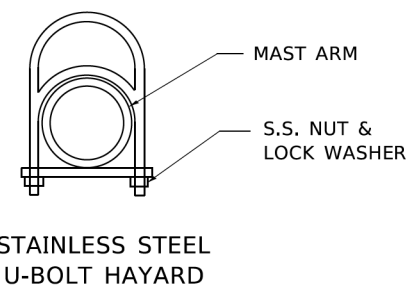
**SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)**  
**N.T.S.**



**BOTTOM VIEW**  
**N.T.S.**

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.



**STAINLESS STEEL U-BOLT HAYARD**

MODEL: Default  
 FILE: \\miller-prod\planning\com\dot\_illinois.gov\p\W\DOT\Documents\DOT\_Offices\IDirect\_1\Projects\IDHS\22\23\1\CAD\BAA\CAD\sheet\1\27\01.dwg

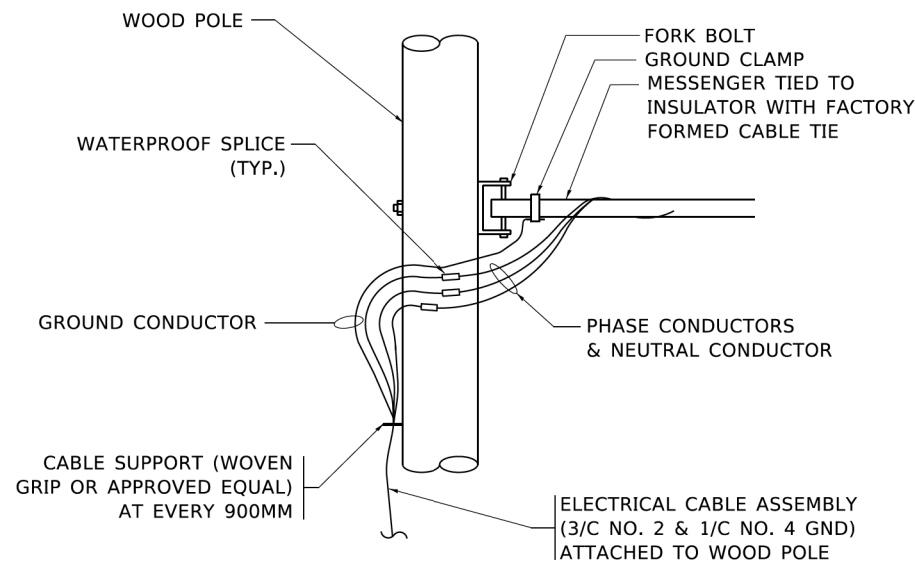
USER NAME = footemj	DESIGNED -	REVISED - 08-08-03
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

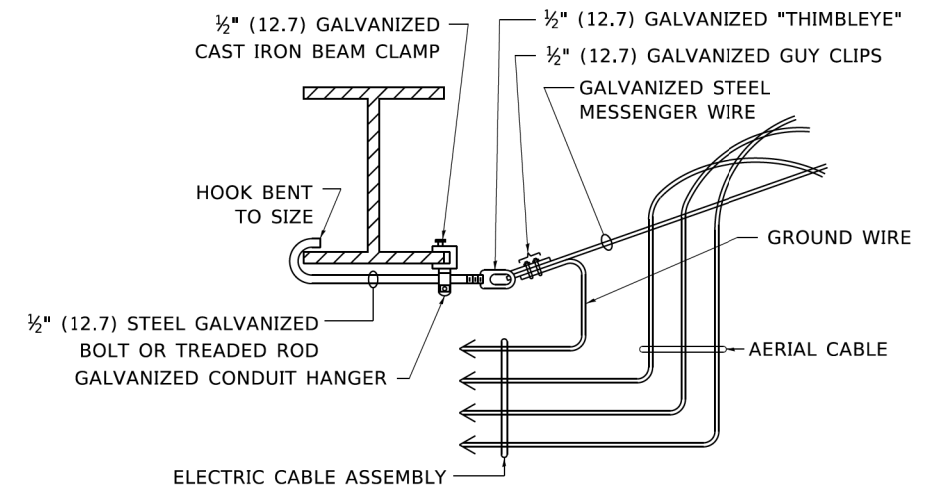
**LUMINAIRE SAFETY CABLE ASSEMBLY**

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

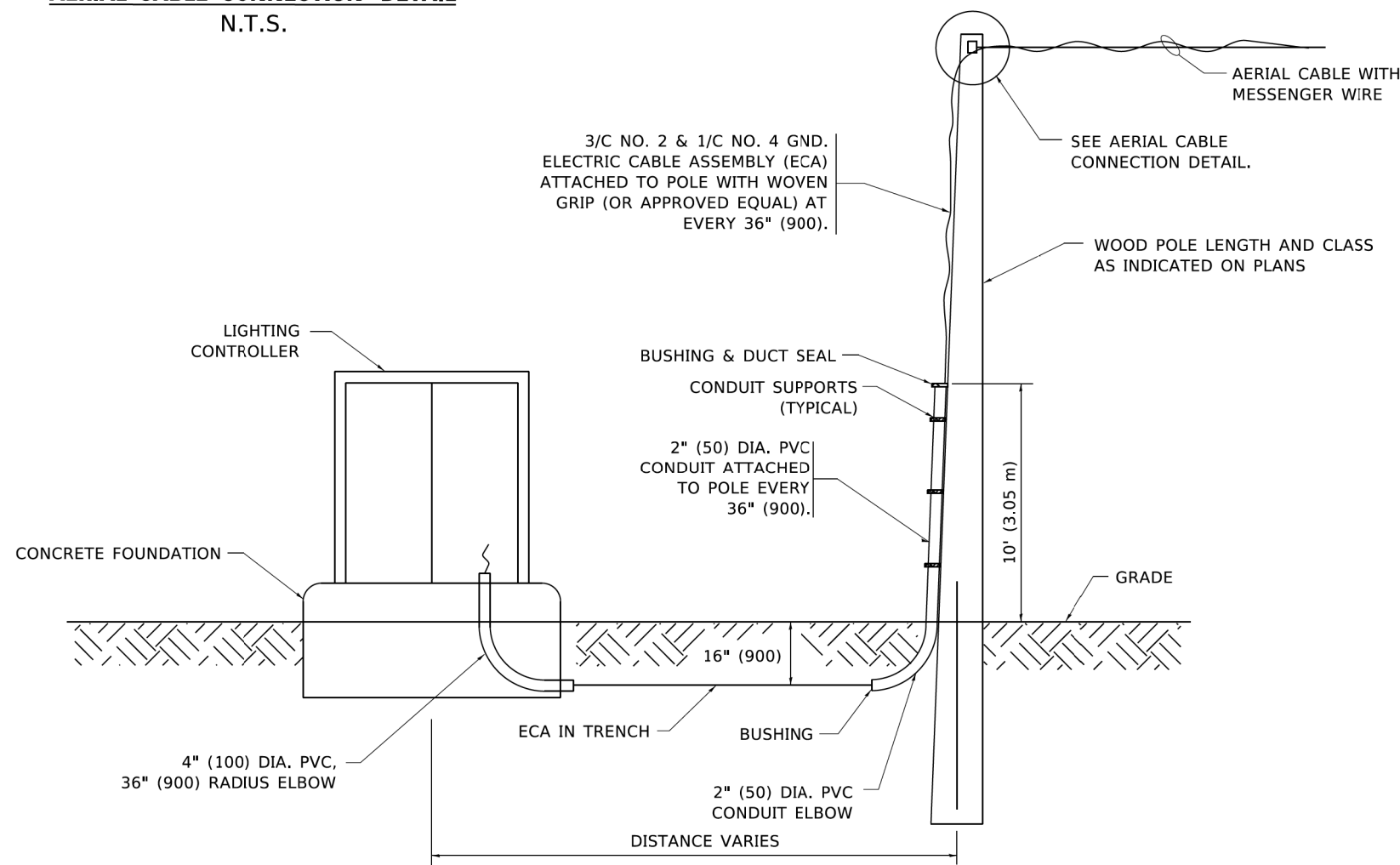
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	136
<b>BE-701</b>			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT 9351(746)				



**AERIAL CABLE CONNECTION DETAIL**  
N.T.S.



**AERIAL CABLE ATTACHED TO STRUCTURE**  
NOT TO SCALE



**WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL**  
N.T.S.

**NOTES:**

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

MODEL: Default  
FILE: \\miller-prod\planroom\edc\_illinois.gov\PI\DOT\Documents\DOT\_Offices\District\_1\Projects\DH\54272\21\CADD\ba\CableSheet\ba801.dgn

USER NAME = footemj	DESIGNED -	REVISED - 08-08-03
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY AERIAL CABLE INSTALLATION**

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

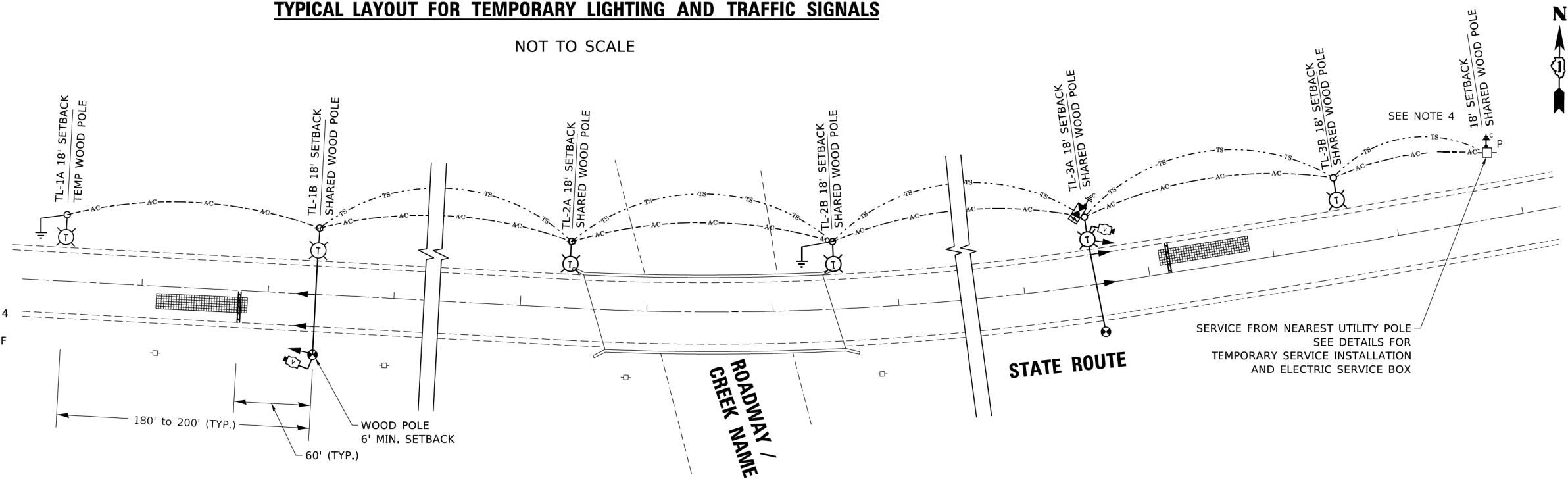
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	137
<b>BE-801</b>		CONTRACT NO. 61H49		
ILLINOIS FED. AID PROJECT 935117461				

# TYPICAL LAYOUT FOR TEMPORARY LIGHTING AND TRAFFIC SIGNALS

NOT TO SCALE

## LEGEND

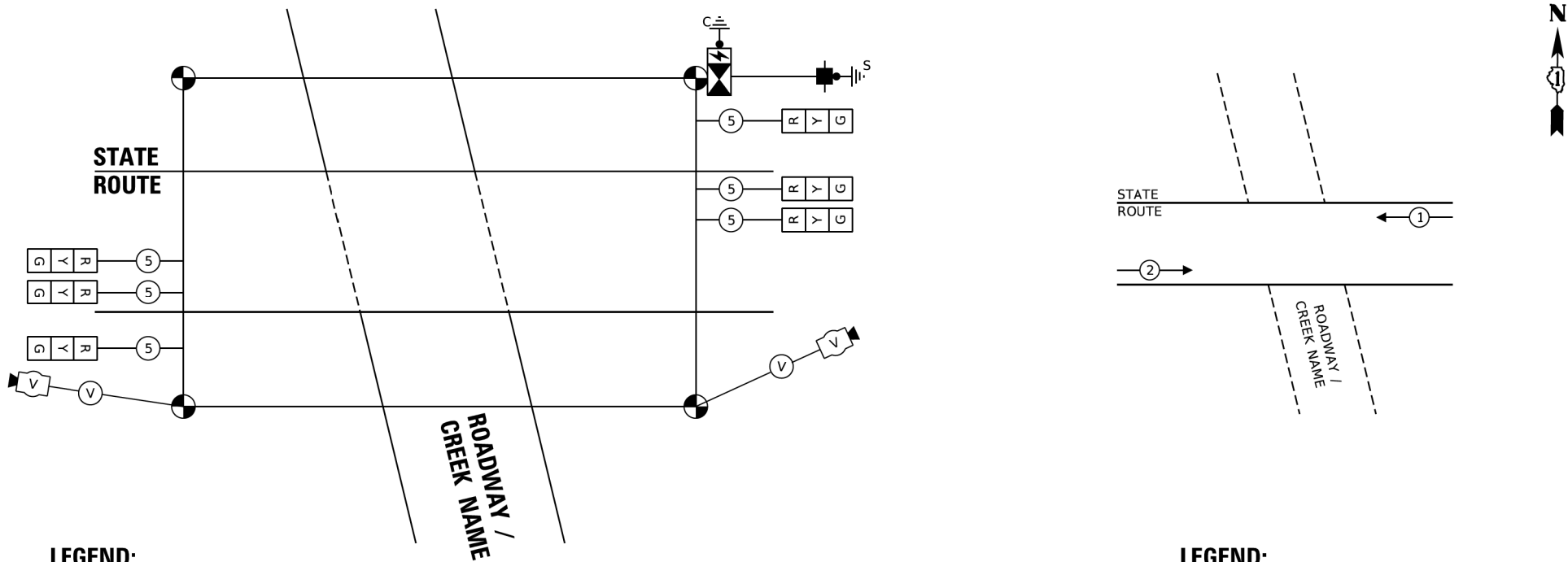
- 26,000-30,000 LUMENS, 120V, MCIII LED WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- 3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A** TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
- GROUND ROD 5/8" DIA. x 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4
- TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED.
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.
- TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY VIDEO DETECTOR



## GENERAL NOTES:

1. CONTACT TO THE ELECTRIC UTILITY SHALL BE INITIATED BEFORE THE PRECONSTRUCTION MEETING, AND DOCUMENTATION OF CONTACT SHALL BE PRESENTED AT THAT MEETING. NO PLACEMENT OF POLES WILL BE ALLOWED WITHOUT EVIDENCE OF A SIGNED AGREEMENT WITH THE ELECTRIC UTILITY, FURNISHED TO THE ENGINEER.
2. UNLESS OTHERWISE INDICATED, AND EXCEPT AS OTHERWISE NOTED, THIS STANDARDIZED LAYOUT SHALL APPLY FOR BRIDGES NOT EXCEEDING A 250-FOOT SPAN. FOR BRIDGE SPANS IN EXCESS OF 250 FEET, THE POLES IMMEDIATELY ADJACENT TO THE BRIDGE SHALL BE 100-FOOT POLES (90-FOOT MOUNTING HEIGHT), WITH 56,000-60,000 LUMENS TYPE III LED HIGH-MAST LUMINAIRES AS APPROVED BY THE ENGINEER.
3. THE LAYOUT OF THE TEMPORARY EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, STAGING, UTILITY IMPACTS, AND THE ELECTRIC SERVICE LOCATION AS COORDINATED WITH THE ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF POLES, TRAFFIC SIGNALS, AND COMBINED SERVICE. THIS PLAN MUST BE APPROVED BY THE ENGINEER BEFORE ANY POLES ARE PLACED
4. THE ELECTRIC SERVICE SHALL BE 240/120V. WHERE 240V SERVICE IS NOT AVAILABLE, THE CONTRACTOR MAY SUBMIT A PROPOSAL FOR 120V SERVICE. DROP CABLE, MAIN BREAKER, AND ALL OTHER SERVICE APPURTENANCES SHALL BE APPROPRIATELY RATED AND INCLUDED REGARDLESS OF THE SERVICE VOLTAGE APPLIED.
5. THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATION SHALL SHARE ANY COMMON ELEMENTS SUCH AS WOOD POLES, ELECTRICAL SERVICE, ELECTRIC SERVICE BOX, CABLE, ETC. THE CONTRACTOR SHALL COORDINATE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATIONS.
6. THE LIGHT POLE SETBACK FROM THE EDGE OF TRAVEL PAVEMENT SHALL BE 18 FT. UNLESS THE LIGHT POLE IS BEHIND GUARDRAIL. THE LIGHT POLES INSTALLED BEHIND THE GUARDRAIL OR BARRIER WALL SHOULD HAVE AT LEAST 8 FT. SETBACK FROM THE BACK OF THE SHOULDER AND OR AS DIRECTED BY THE ENGINEER.
7. EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTO CELL MOUNTED ON EACH LUMINAIRE WITH THE LIGHTING CIRCUIT FED FROM THE TEMPORARY SERVICE DISCONNECT BOX. OTHER MEANS OF LUMINAIRE CONTROL CAN BE CONSIDERED IF APPROVED BY THE ENGINEER.
8. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.
9. ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ENGINEER.
10. THIS LAYOUT IS ONLY FOR SINGLE LANE STAGING WITHOUT PRIVATE DRIVEWAYS WITHIN SINGLE LANE WORK ZONE.

## CABLE PLAN AND PHASE DESIGNATION DIAGRAM (TYPICAL)



## LEGEND:

- TEMPORARY VIDEO / RADAR DETECTOR
- TEMPORARY SIGNAL HEAD 12" SECTION.
- CABLE INDICATES NUMBER OF CONDUCTORS IN CABLE ALL CONDUCTORS TO BE NUMBER 14 AWG UNLESS OTHERWISE NOTED.

## LEGEND:

- NUMBER ASSOCIATED WITH PROTECTED PHASE

MODEL: Default  
FILE: \\miller\p\proj\p17\DOT\Documents\DOT\_Offices\IDirect\_1\Projects\IHS\227231\CADD\ba\C4\shhets\ba805.dgn

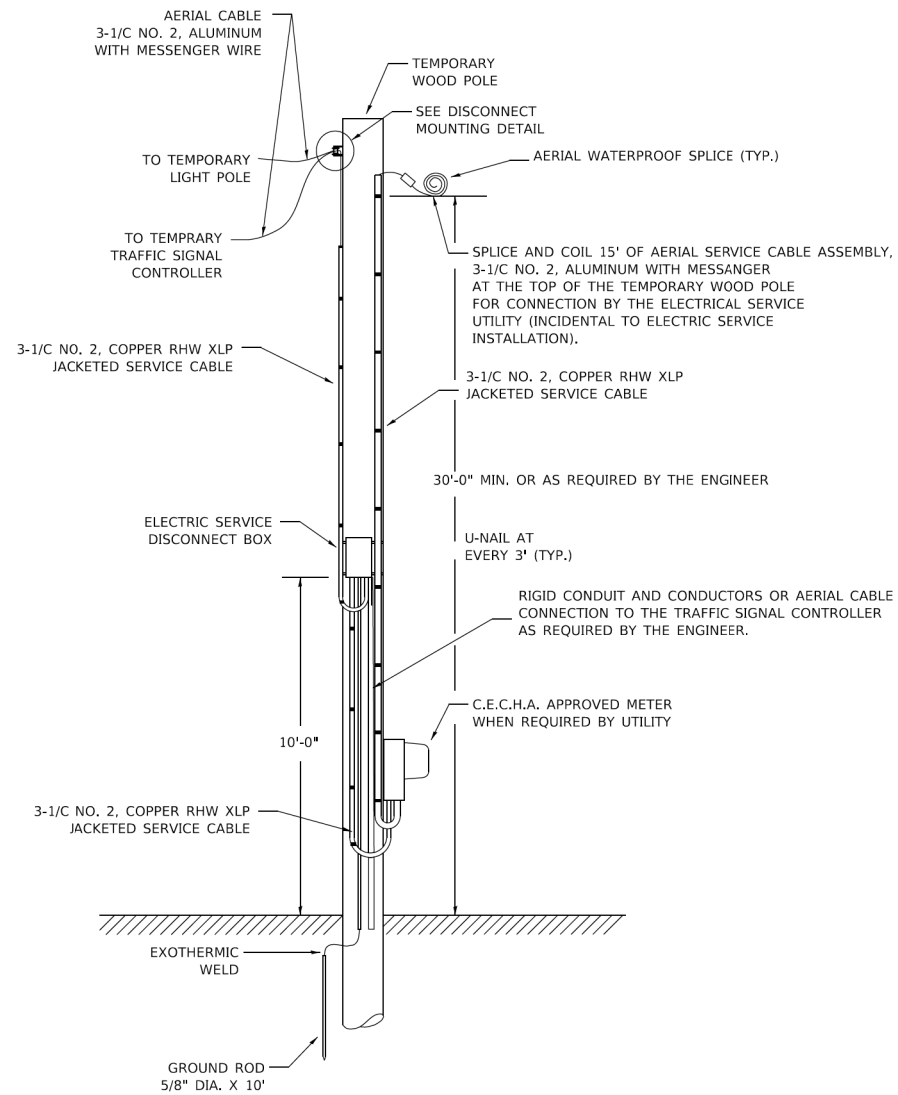
USER NAME = leysa	DESIGNED -	REVISED - 07/28/2020
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/18/2020	DATE - 01/14/2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING			
SCALE: NONE	SHEET 1	OF 3 SHEETS	STA. TO STA.

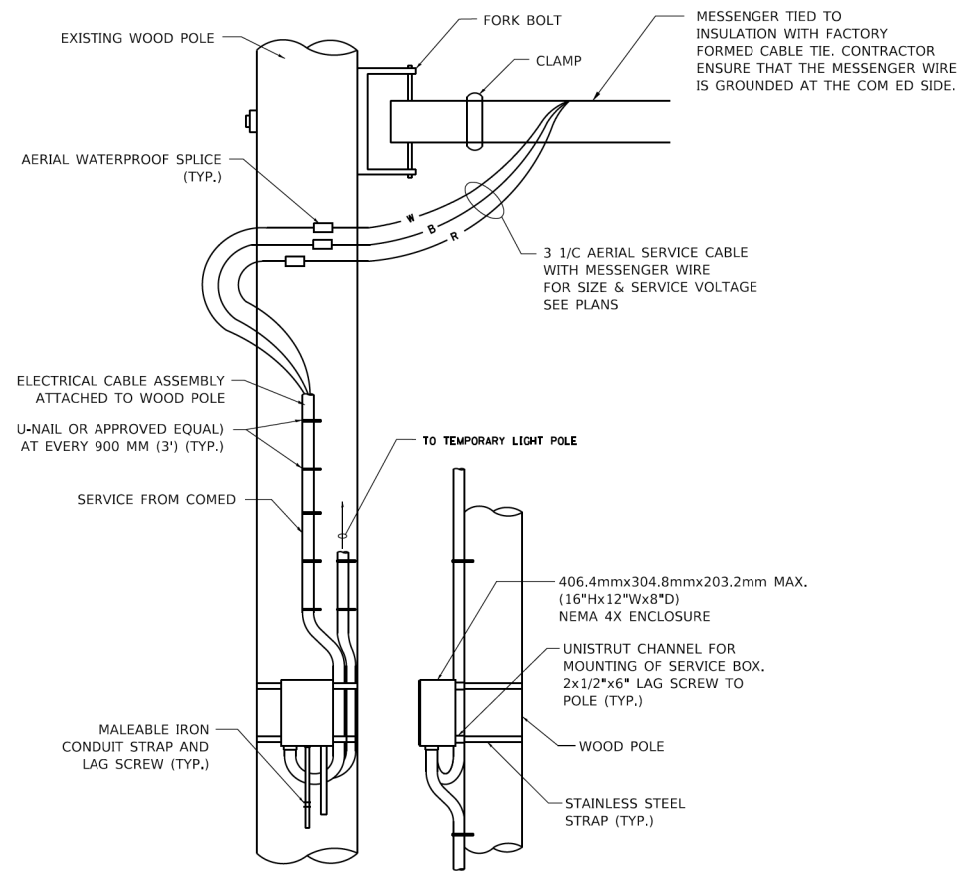
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	138
<b>BE-805</b>		CONTRACT NO. 61H49		
ILLINOIS   FED. AID PROJECT 93517461				





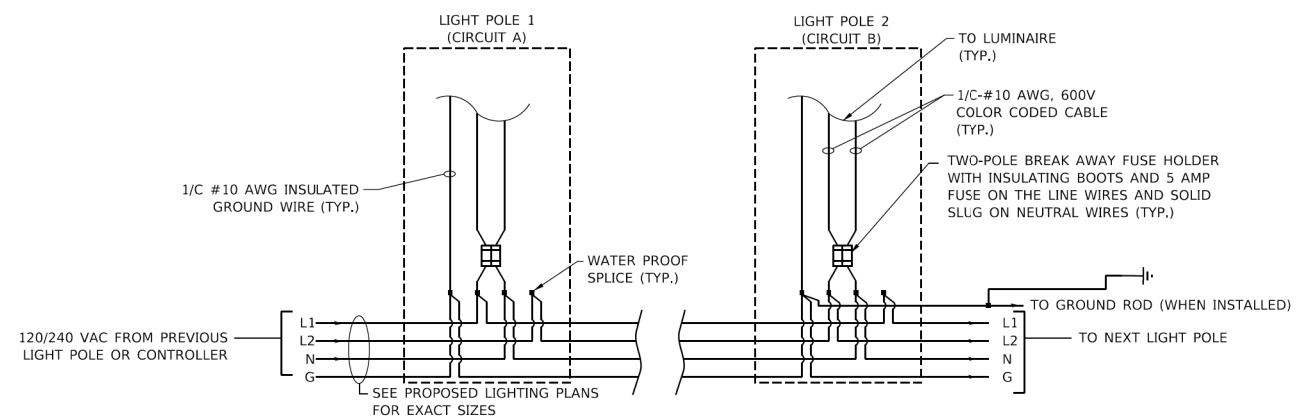
**TEMPORARY SERVICE INSTALLATION DETAIL**

NOT TO SCALE



**DISCONNECT MOUNTING DETAIL**

NOT TO SCALE



**LIGHT POLE WIRING DETAIL**

NOT TO SCALE

MODEL: Default  
FILE: \\miller-prod\planroom\edc\_illinois.gov\PIWDOT\Documents\DOT\_Offices\District\_1\Projects\DH\5427231\CAD\Drawn\CADsheets\be805.dgn

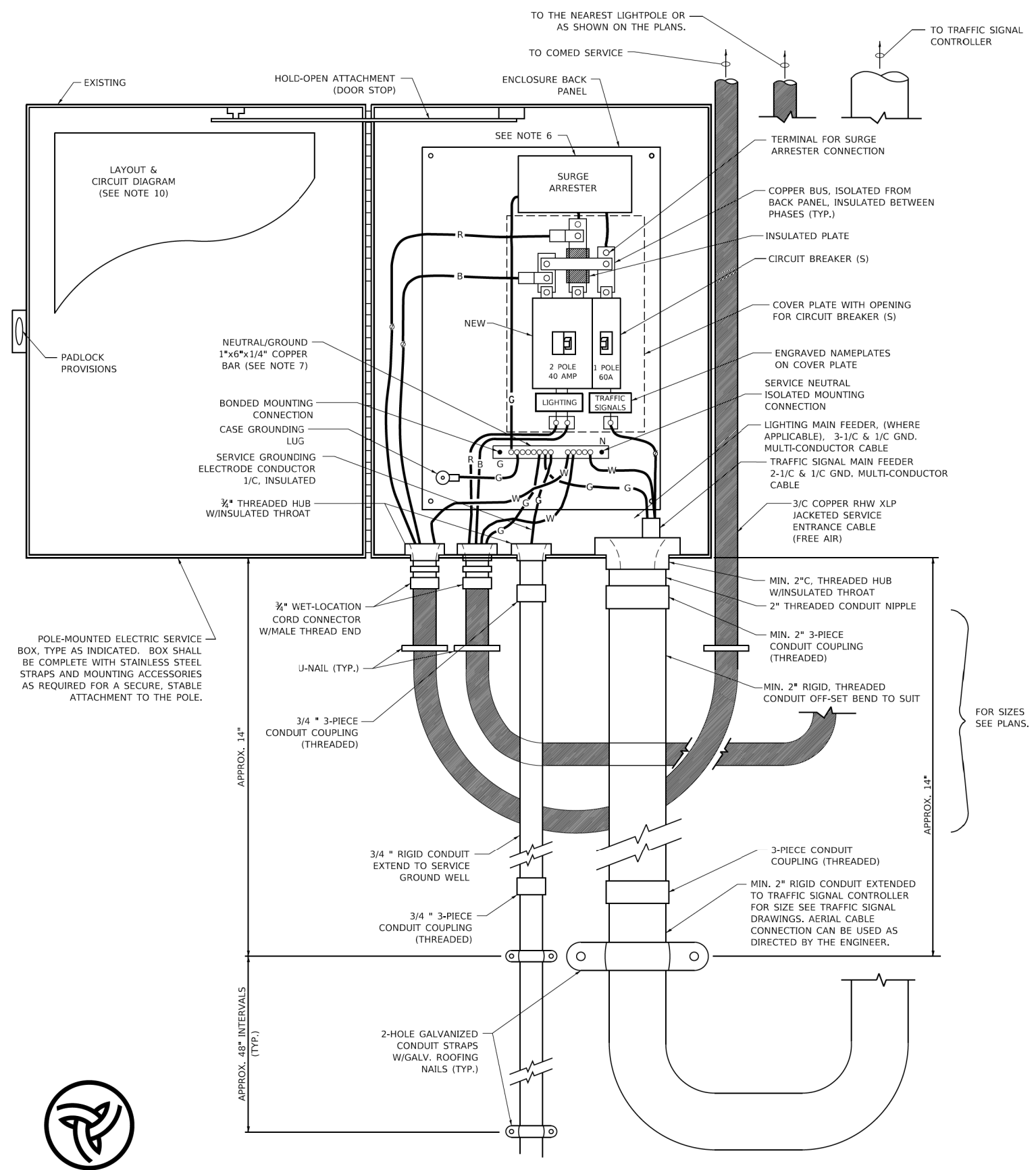
USER NAME = footemj	DESIGNED - MP	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE - 01/14/10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS  
FOR SINGLE LANE STAGING**

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

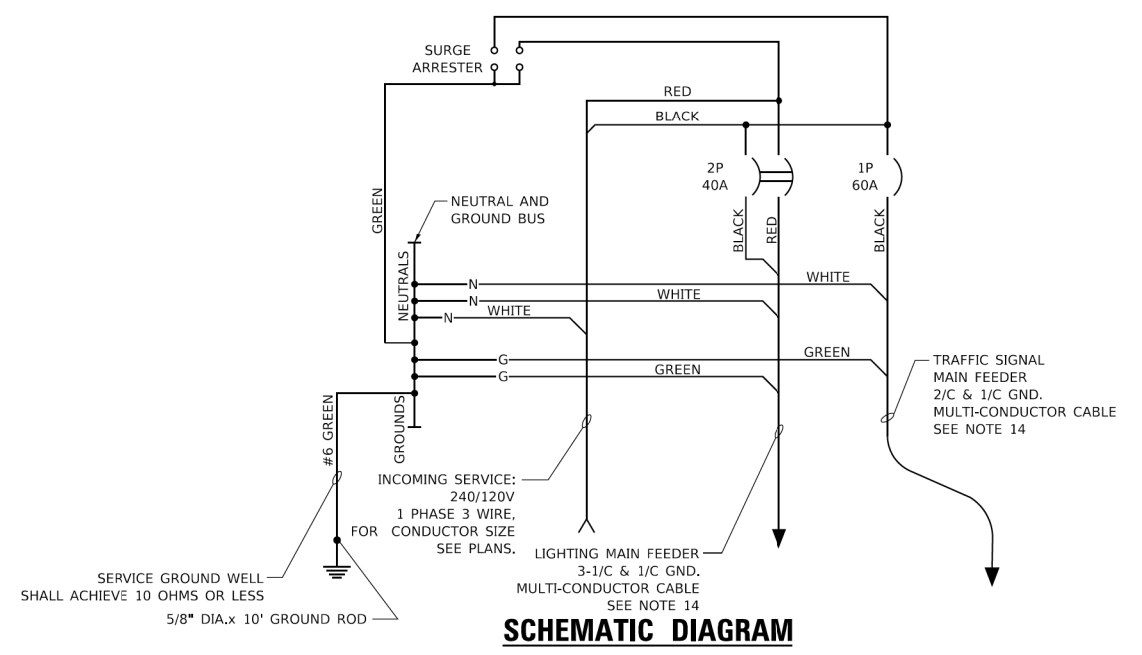
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 139
<b>BE-805</b>		CONTRACT NO. 61H49		
ILLINOIS FED. AID PROJECT 9351746				



**POLE-MOUNTED ELECTRIC SERVICE ENTRANCE  
GENERAL LAYOUT DIAGRAM**  
NOT TO SCALE

**NOTES:**

- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
- THE POLE-MOUNTED ELECTRIC SERVICE BOX SHALL BE CONFIGURED AND FULLY EQUIPPED FOR 240/120V 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER AND TRAFFIC SIGNALS MAIN BREAKER AS REQUIRED.
- THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H120856LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
- THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE SERVICE VOLTAGE SINGLE PHASE 60HZ AC, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CM0V230L065XST OR APPROVED EQUAL.
- BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
- THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
- THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
- A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
- A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
- LUGS AND CONNECTORS SHALL BE RATED FOR 75 C CONDUCTOR.
- THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



**SCHEMATIC DIAGRAM**

MODEL: Default FILE: \\miller-prod\planning\com\edc\illinois.gov\PIV\DOT\Documents\DOT\_Offices\District\_1\Projects\IHS\4272\21\CADD\ba\CADsheets\ba805.dgn

6" DECAL ON FRONT COVER

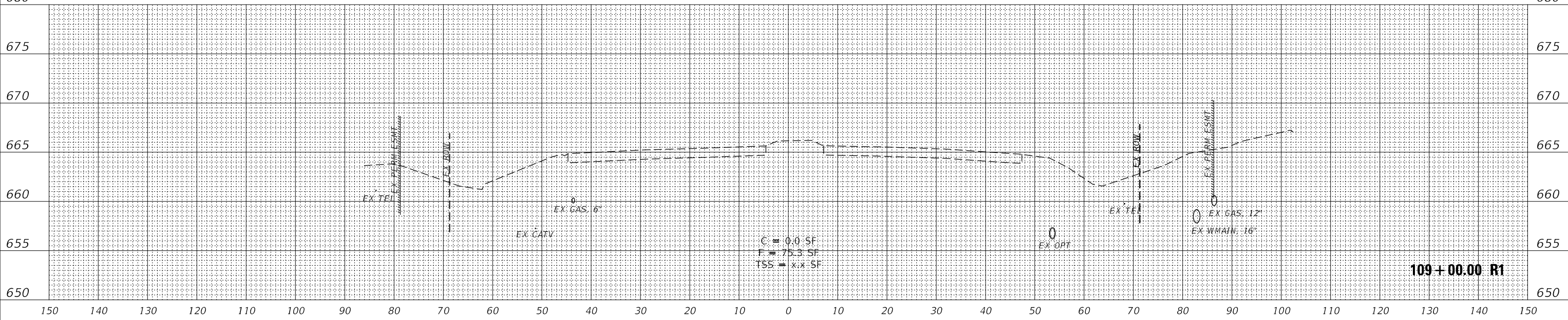
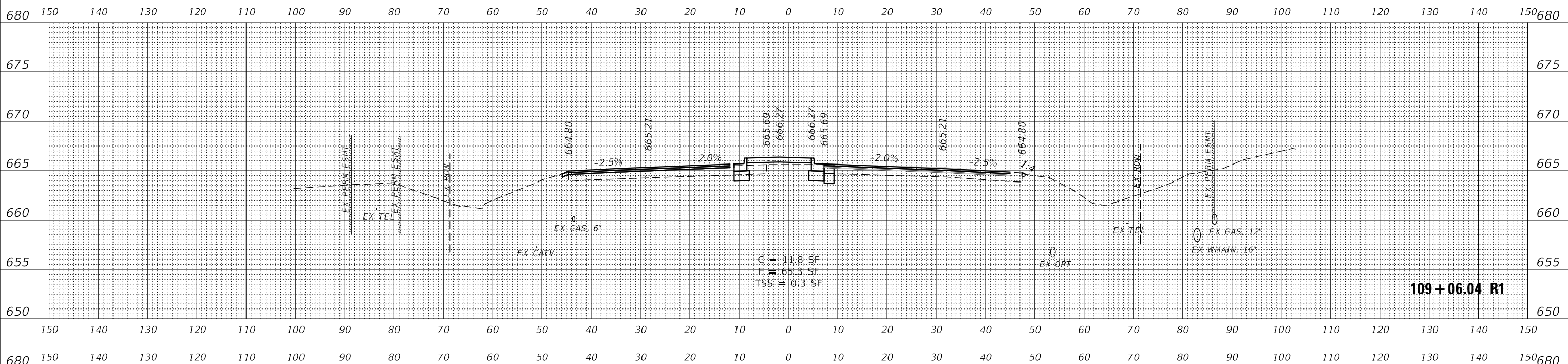
USER NAME = footemj	DESIGNED - MP	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE - 01/14/10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING</b>			
SCALE: NONE	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 140
<b>BE-805</b>		CONTRACT NO. 61H49		
ILLINOIS FED. AID PROJECT 93517461				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



USER NAME	= awuelner	DESIGNED	- KAC	REVISED	- 11/10/2021
		DRAWN	- AKW	REVISED	- 11/15/2021
PLOT SCALE	= 1:20	CHECKED	- YOO	REVISED	- 11/17/2021
PLOT DATE	= 11/17/2021	DATE	- 10/04/2021	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

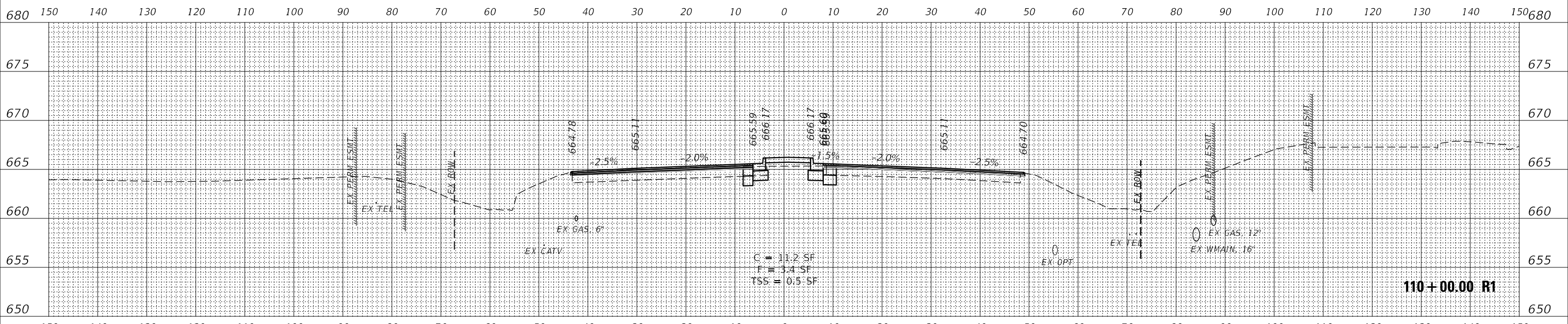
CROSS SECTIONS  
ORCHARD ROAD

SCALE: 10H / 5V SHEET OF SHEETS STA. 109+00.00 R1 TO STA. 109+06.04 R1

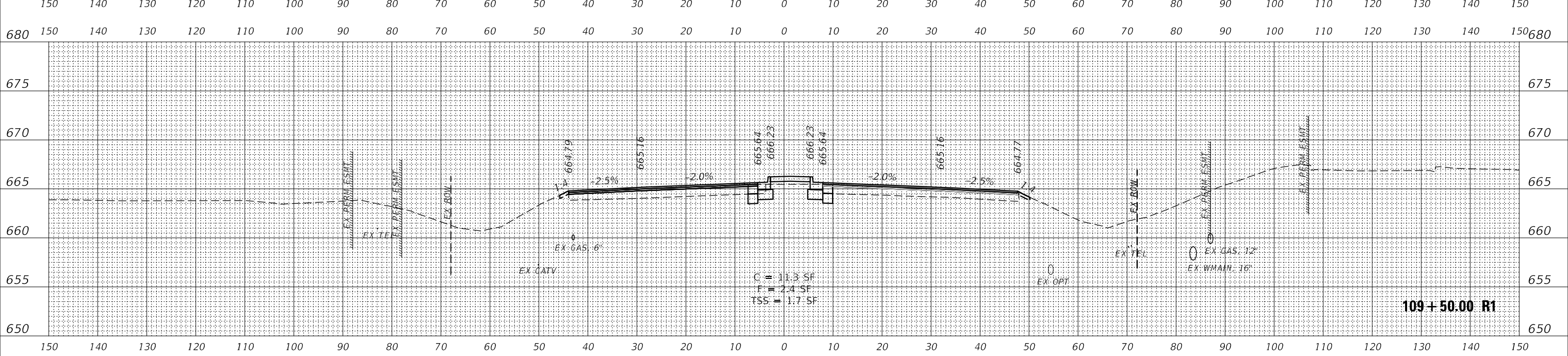
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	141
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT				

MODEL: FINAL\_Orchard  
FILE NAME: Z:\2021\18287 Orchard\Road\18287-2-28C-Orchard.dgn

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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME = awuelner	DESIGNED - KAC	REVISED - 11/10/2021
	DRAWN - AKW	REVISED - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REVISED - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -

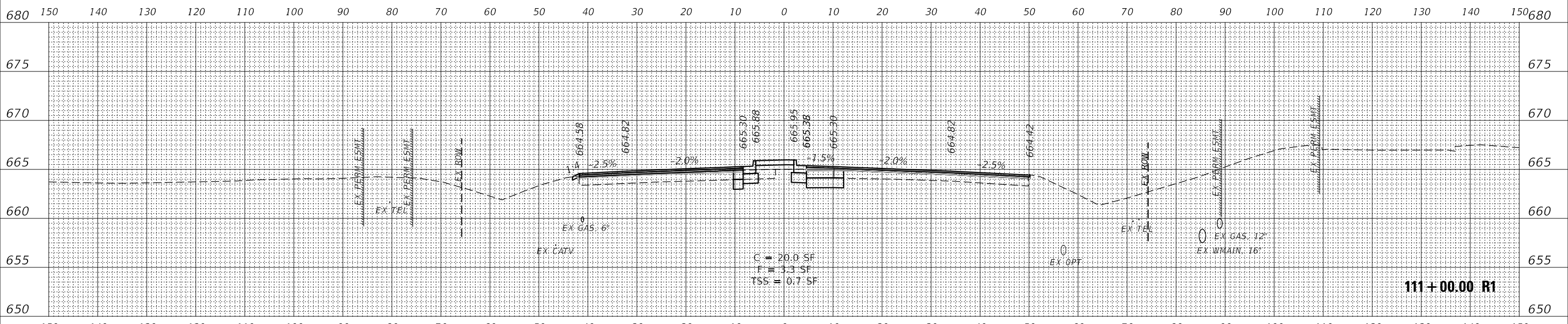
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ORCHARD ROAD**

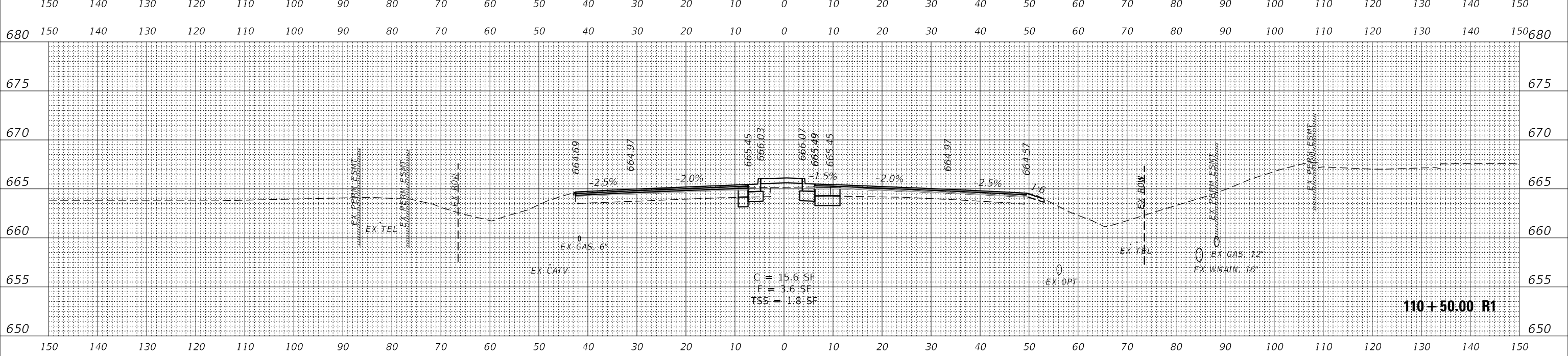
SCALE: 10H / 5V SHEET OF SHEETS STA. 109+50.00 R1 TO STA. 110+00.00 R1

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 142
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT				

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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuelner	DESIGNED - KAC	REVISED - 11/10/2021
	DRAWN - AKW	REVISED - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REVISED - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -

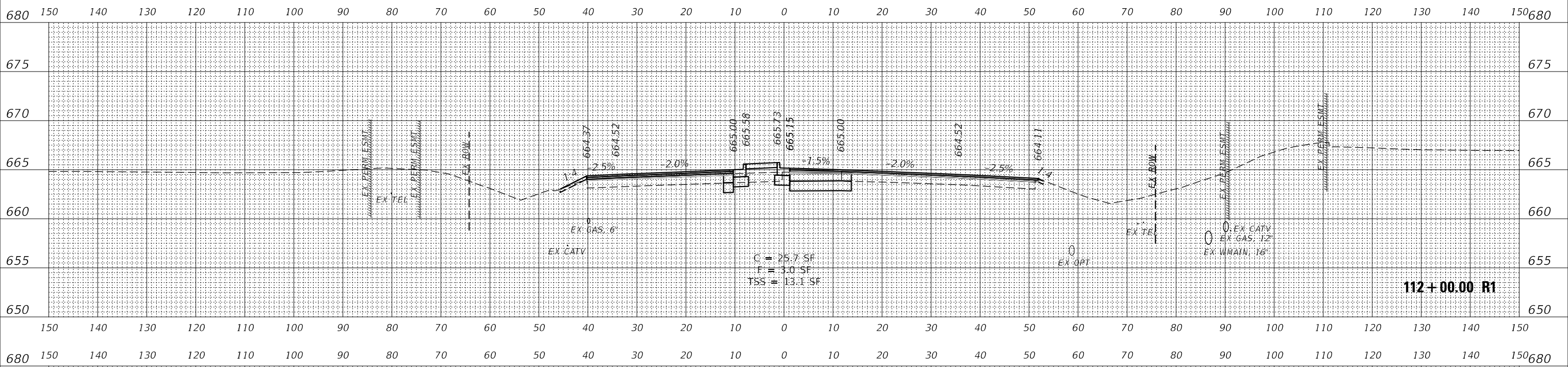
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 ORCHARD ROAD**

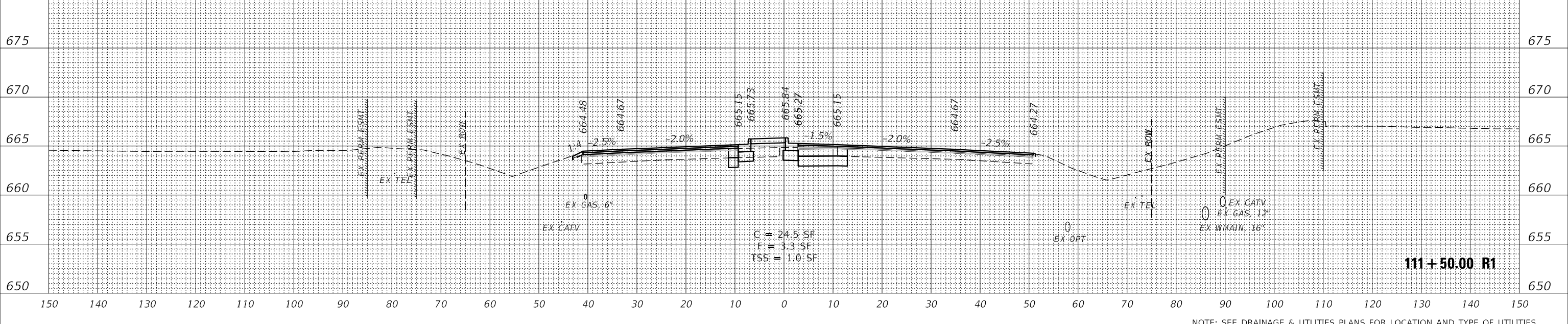
SCALE: 10H / 5V SHEET OF SHEETS STA. 110+50.00 R1 TO STA. 111+00.00 R1

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 143
			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT				

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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner	DESIGNED	- KAC	REVISED	- 11/10/2021
		DRAWN	- AKW	REVISED	- 11/15/2021
PLOT SCALE	= 1:20	CHECKED	- YOO	REVISED	- 11/17/2021
PLOT DATE	= 11/17/2021	DATE	- 10/04/2021	REVISED	-

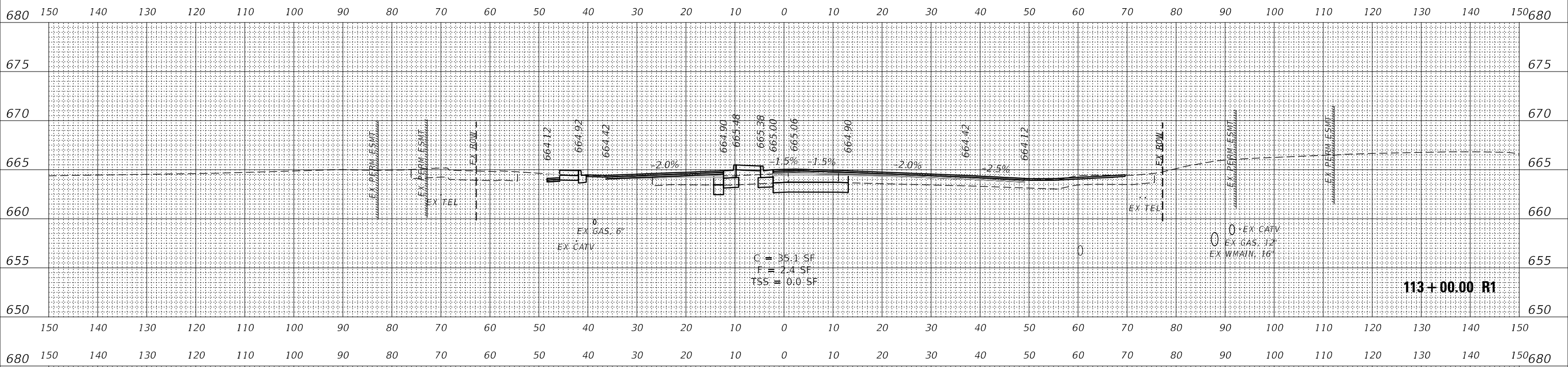
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
ORCHARD ROAD

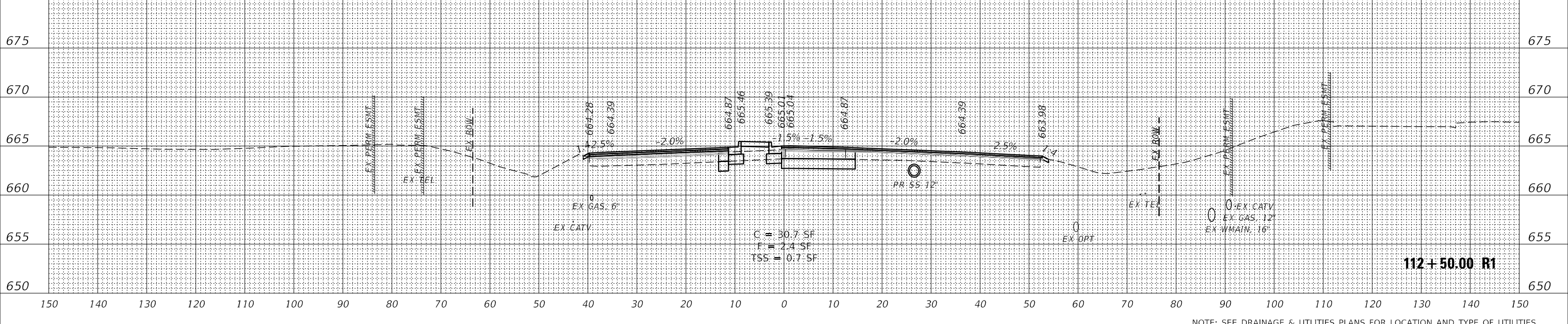
SCALE: 10H / 5V SHEET OF SHEETS STA. 111+50.00 R1 TO STA. 112+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	144
				CONTRACT NO. 61H49
		ILLINOIS	FED. AID PROJECT	

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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME = awuelner	DESIGNED - KAC	REVISED - 11/10/2021
PLOT SCALE = 1:20	DRAWN - AKW	REVISED - 11/15/2021
PLOT DATE = 11/17/2021	CHECKED - YOO	REVISED - 11/17/2021
	DATE - 10/04/2021	REVISED -

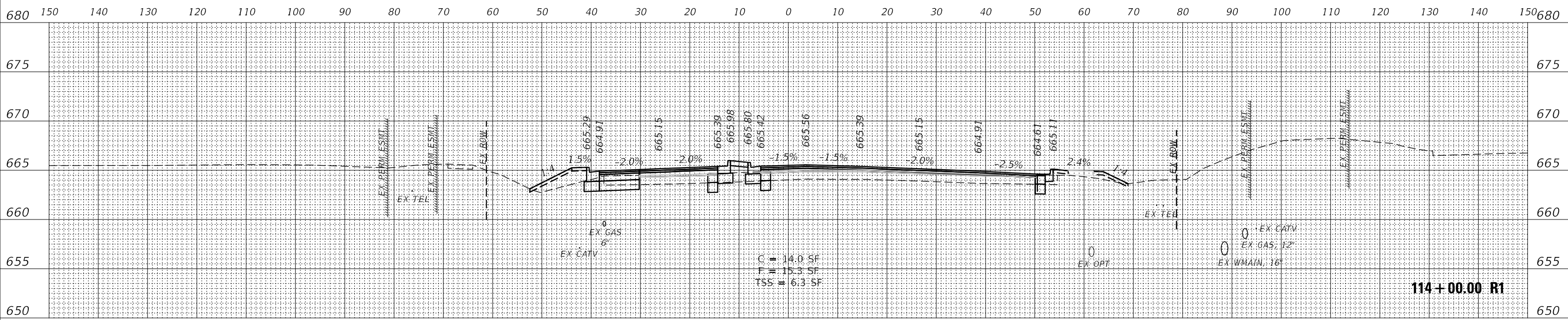
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
ORCHARD ROAD

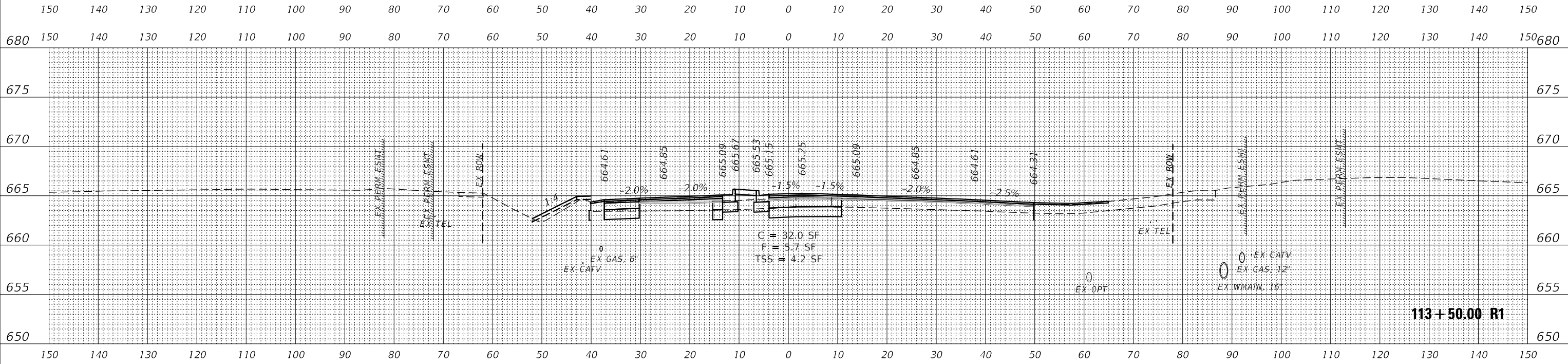
SCALE: 10H / 5V SHEET OF SHEETS STA. 112+50.00 R1 TO STA. 113+00.00 R1

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 145
			CONTRACT NO. 61H49	
		ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner	DESIGNED -	KAC	REVISED -	11/10/2021
		DRAWN -	AKW	REVISED -	11/15/2021
PLOT SCALE	= 1:20	CHECKED -	YOO	REVISED -	11/17/2021
PLOT DATE	= 11/17/2021	DATE	= 10/04/2021	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
ORCHARD ROAD**

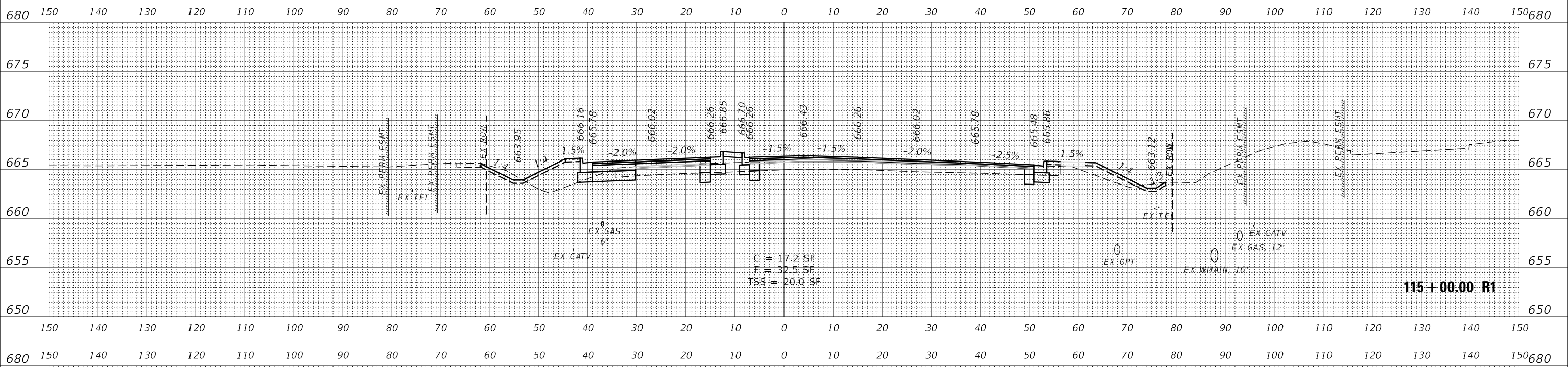
SCALE: 10H / 5V SHEET OF SHEETS STA. 113+50.00 R1 TO STA. 114+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	146
			CONTRACT NO. 61H49	
		ILLINOIS	FED. AID PROJECT	

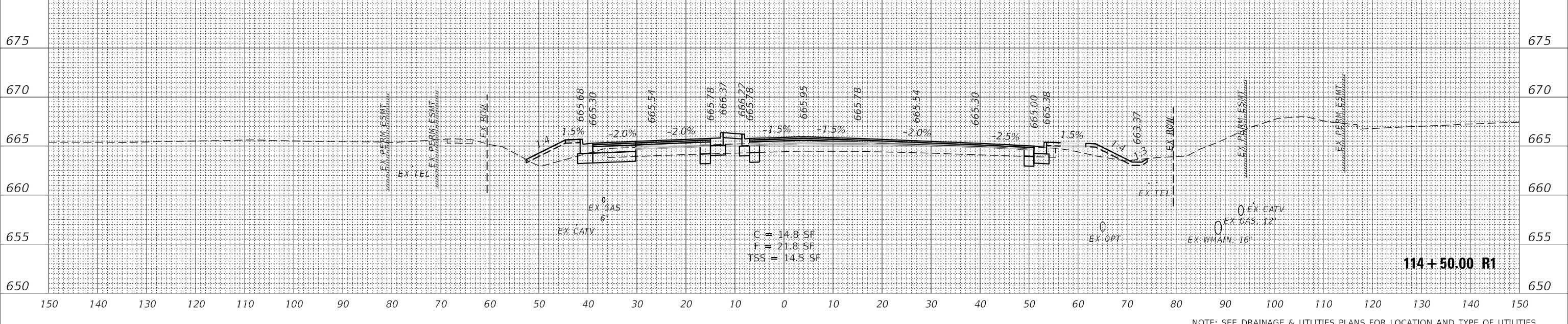
MODEL: FINAL\_Orchard  
FILE NAME: Z:\2021\18287 OrchardRoad\Borow3\Cad\Civil\Draw\18287-2-SEC-Orchard.dgn



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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME = awuelner	DESIGNED - KAC	REVISED - 11/10/2021
	DRAWN - AKW	REVISED - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REVISED - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

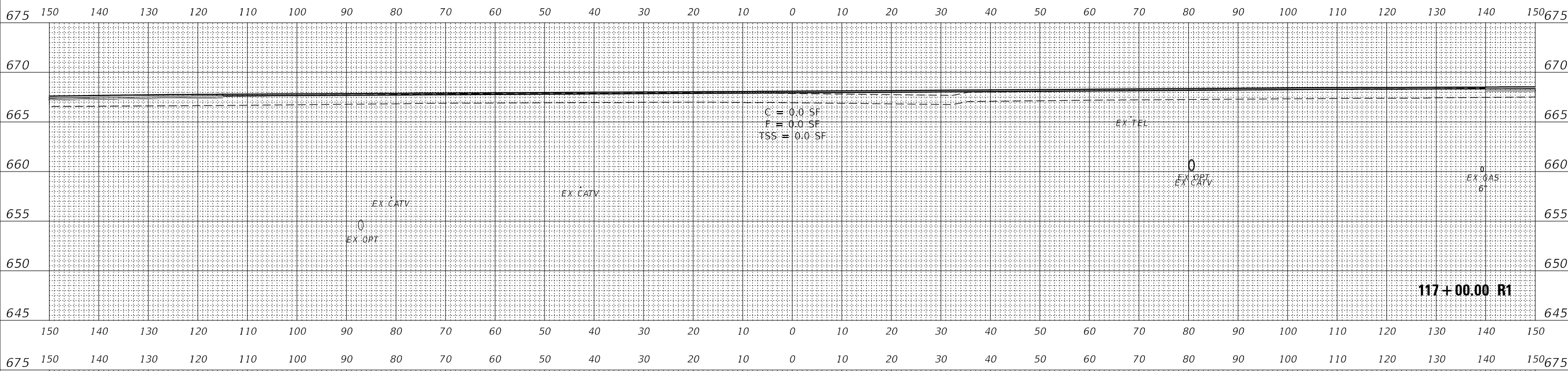
CROSS SECTIONS  
ORCHARD ROAD

SCALE: 10H / 5V SHEET OF SHEETS STA. 114+50.00 R1 TO STA. 115+00.00 R1

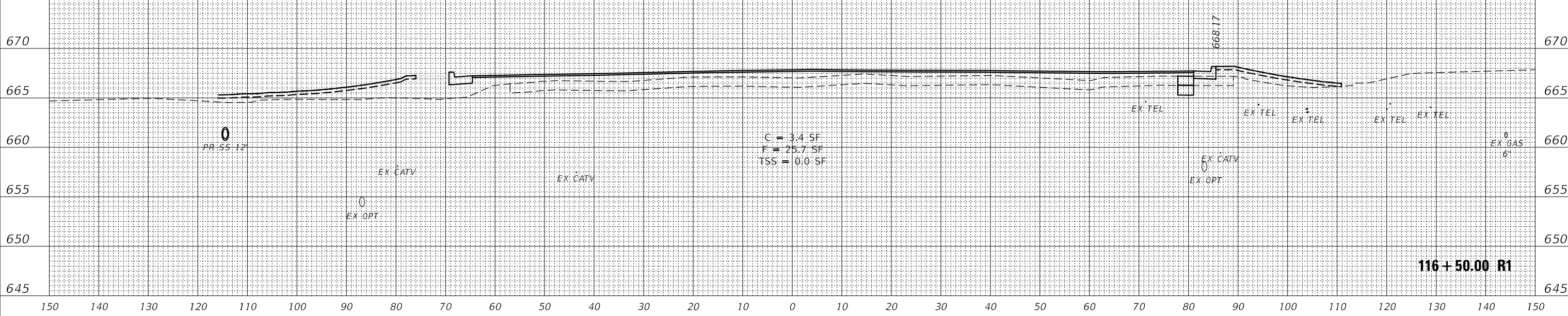
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 147
			CONTRACT NO. 61H49	
ILLINOIS FED. AID PROJECT				



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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = awuelner	DESIGNED - KAC	REVISED - 11/10/2021
	DRAWN - AKW	REVISED - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REVISED - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

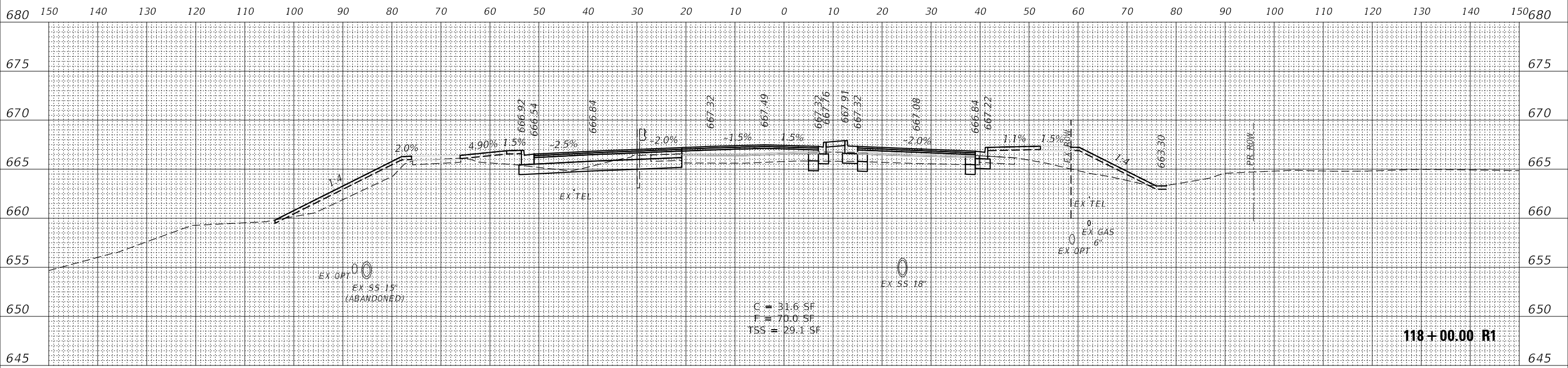
**CROSS SECTIONS  
ORCHARD ROAD**

SCALE: 10H / 5V SHEET OF SHEETS STA. 116+50.00 R1 TO STA. 117+00.00 R1

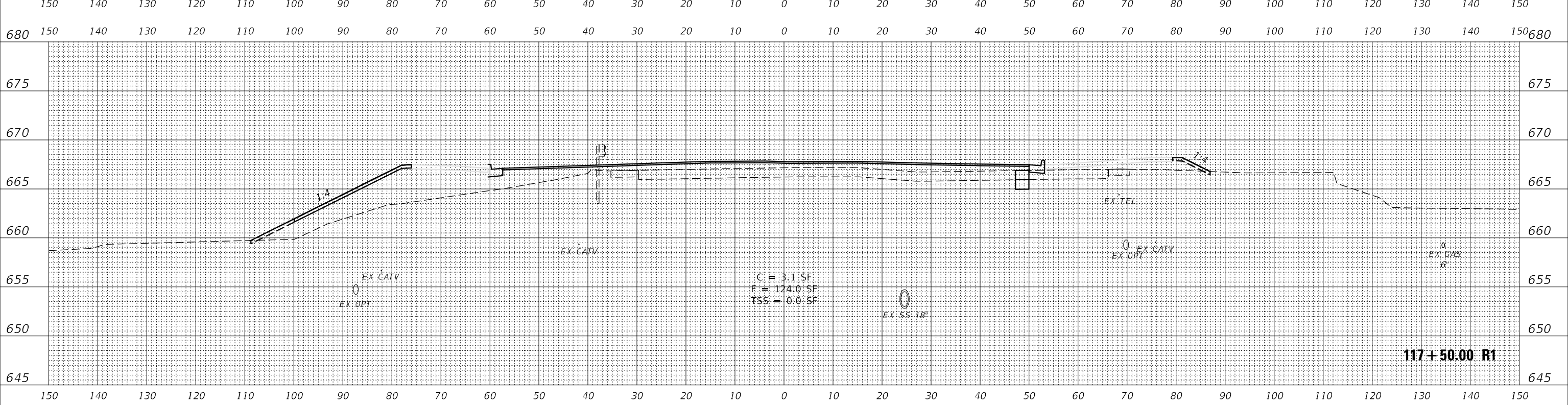
F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 149
			CONTRACT NO. 61H49	
		ILLINOIS FED. AID PROJECT		

MODEL: FINAL\_Orchard  
FILE NAME: Z:\2021\11\17\2021\_Orchard\61H49\61H49-116+50.00 R1.dwg

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner
DESIGNED	- KAC
REVISD	- 11/10/2021
DRAWN	- AKW
REVISD	- 11/15/2021
PLOT SCALE	= 1:20
CHECKED	- YOO
REVISD	- 11/17/2021
PLOT DATE	= 11/17/2021
DATE	- 10/04/2021
REVISD	-

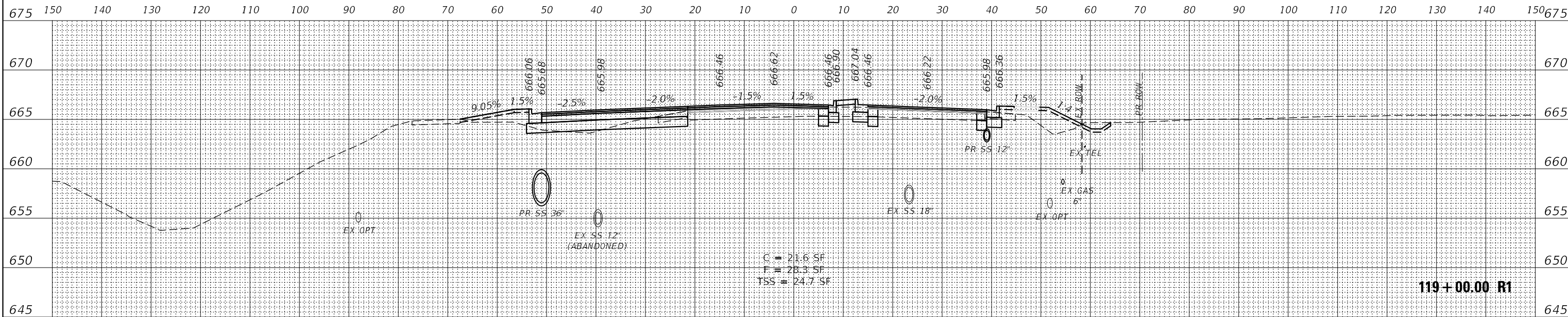
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
ORCHARD ROAD

SCALE: 10H / 5V SHEET OF SHEETS STA. 117+50.00 R1 TO STA. 118+00.00 R1

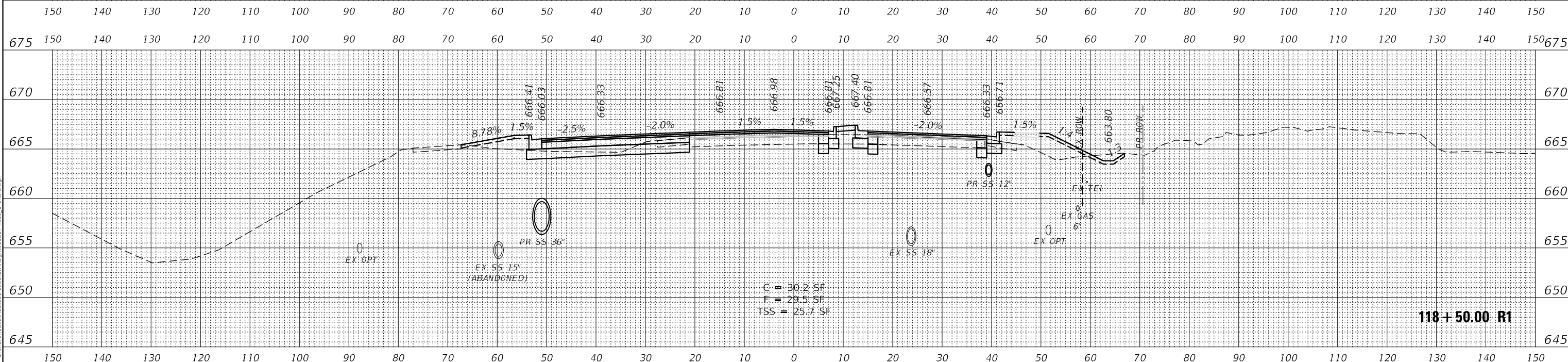
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	150
				CONTRACT NO. 61H49
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



119+00.00 R1

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



118+50.00 R1

NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner	DESIGNED	- KAC	REVISED	- 11/10/2021
		DRAWN	- AKW	REVISED	- 11/15/2021
PLOT SCALE	= 1:20	CHECKED	- YOO	REVISED	- 11/17/2021
PLOT DATE	= 11/17/2021	DATE	- 10/04/2021	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
ORCHARD ROAD

SCALE: 10H / 5V SHEET OF SHEETS STA. 118+50.00 R1 TO STA. 119+00.00 R1

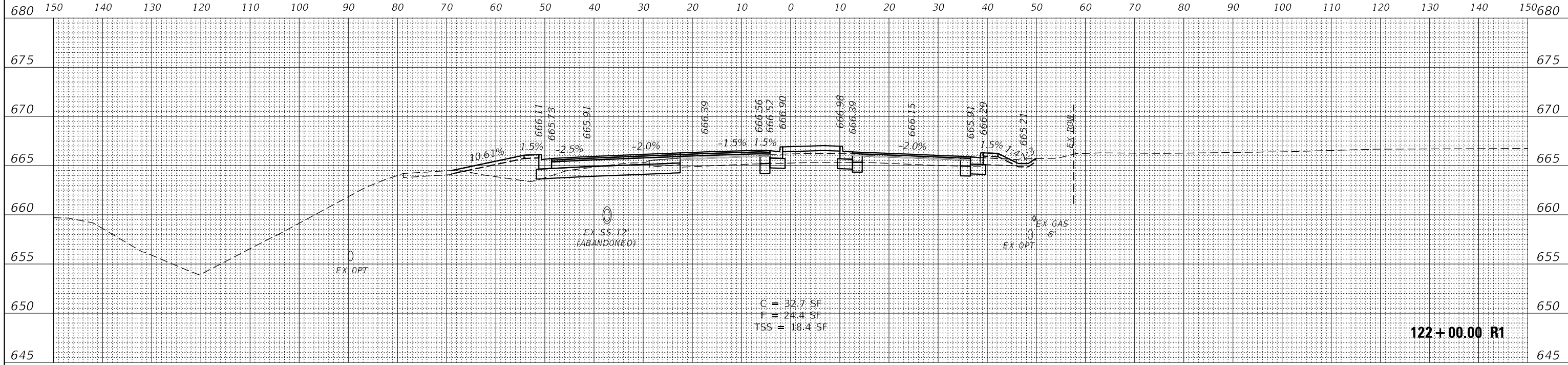
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	151
			CONTRACT NO. 61H49	
		ILLINOIS	FED. AID PROJECT	





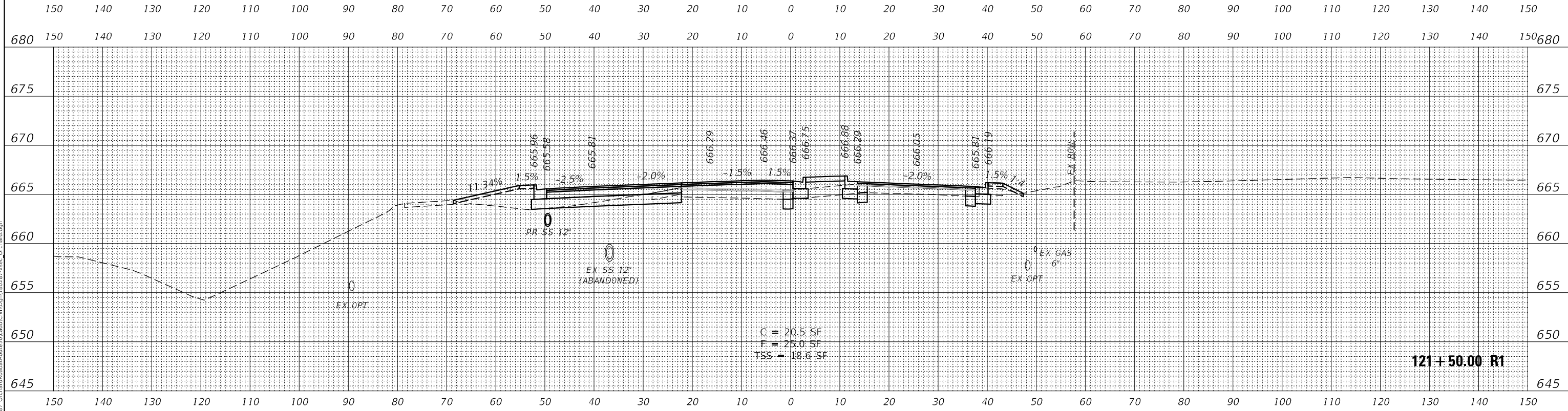


DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



122+00.00 R1

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



121+50.00 R1

NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner
DESIGNED	- KAC
REVISD	- 11/10/2021
DRAWN	- AKW
REVISD	- 11/15/2021
PLLOT SCALE	= 1:20
CHECKED	- YOO
REVISD	- 11/17/2021
PLLOT DATE	= 11/17/2021
DATE	- 10/04/2021
REVISD	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

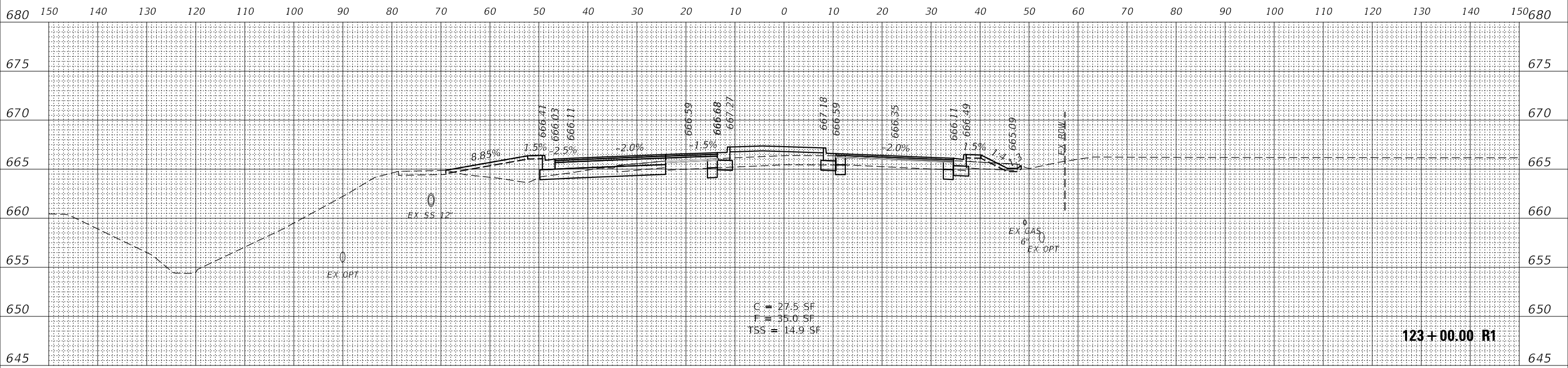
CROSS SECTIONS  
ORCHARD ROAD

SCALE: 10H / 5V SHEET OF SHEETS STA. 121+50.00 R1 TO STA. 122+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	154
			CONTRACT NO. 61H49	
		ILLINOIS	FED. AID PROJECT	

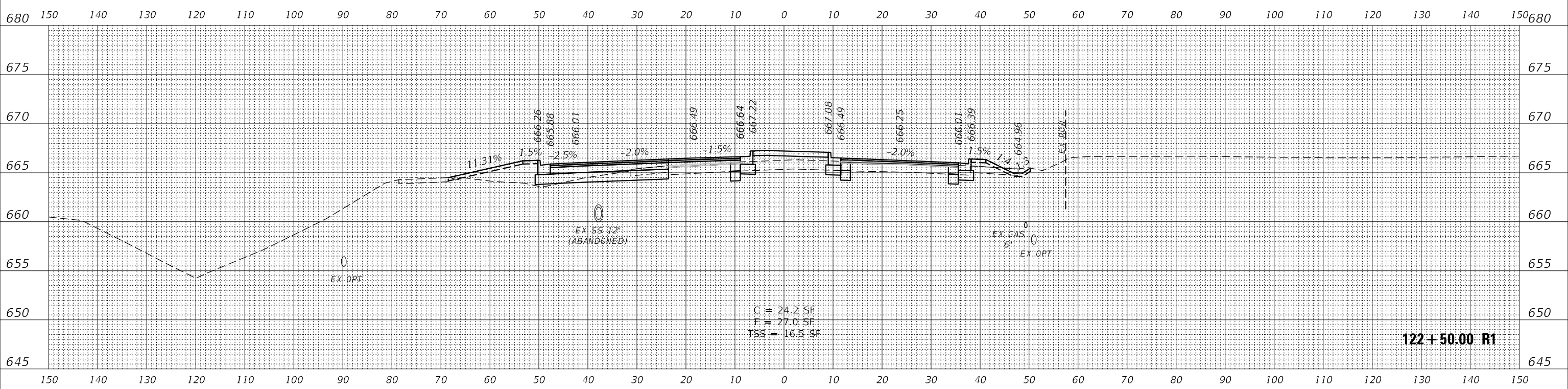


DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	



123+00.00 R1

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



122+50.00 R1

NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner
DESIGNED	- KAC
REVISD	- 11/10/2021
DRAWN	- AKW
REVISD	- 11/15/2021
PLLOT SCALE	= 1:20
CHECKED	- YOO
REVISD	- 11/17/2021
PLLOT DATE	= 11/17/2021
DATE	- 10/04/2021
REVISD	-

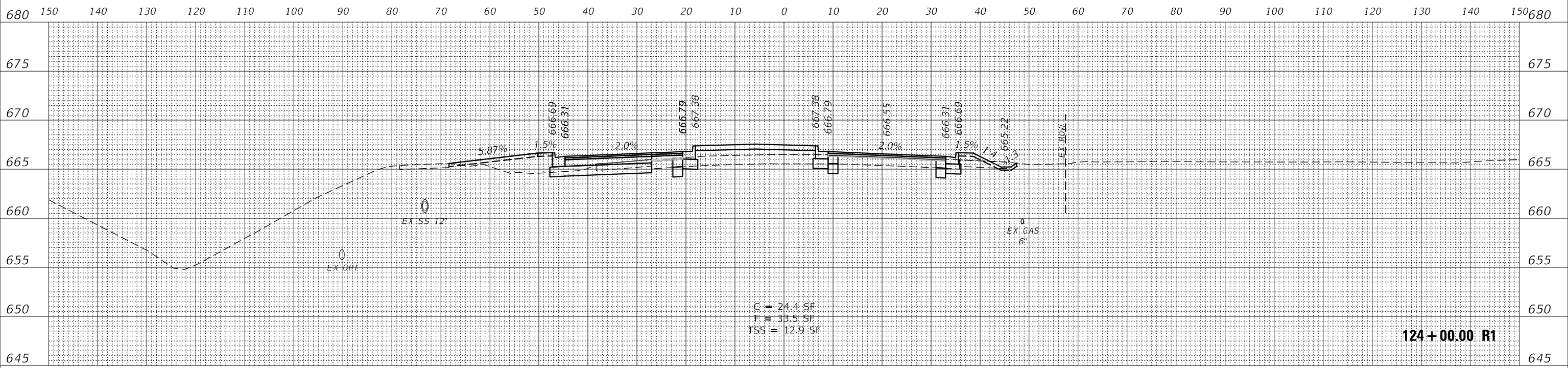
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
ORCHARD ROAD

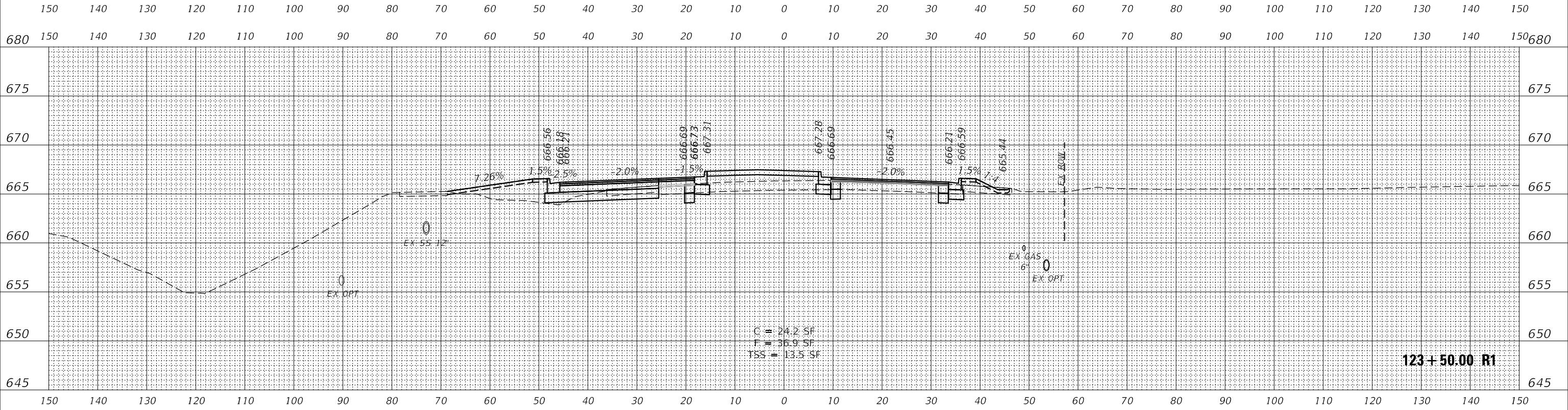
SCALE: 10H / 5V SHEET OF SHEETS STA. 122+50.00 R1 TO STA. 123+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	155
				CONTRACT NO. 61H49
				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner
DESIGNED	- KAC
REVISD	- 11/10/2021
DRAWN	- AKW
REVISD	- 11/15/2021
CHECKED	- YOO
REVISD	- 11/17/2021
DATE	- 10/04/2021
REVISD	-

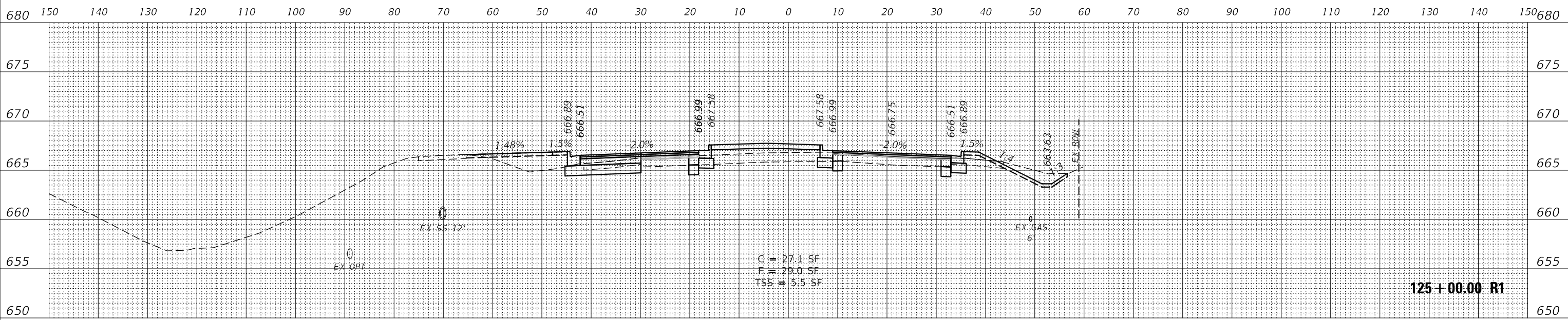
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
ORCHARD ROAD

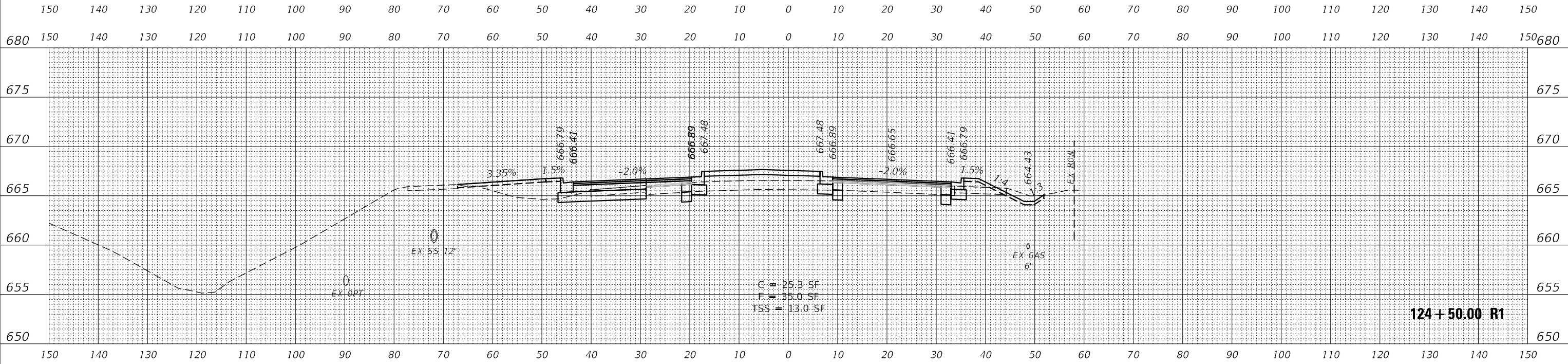
SCALE: 10H / 5V SHEET OF SHEETS STA. 123+50.00 R1 TO STA. 124+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	156
			CONTRACT NO. 61H49	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner	DESIGNED	- KAC	REVISED	- 11/10/2021
PLOT SCALE	= 1:20	DRAWN	- AKW	REVISED	- 11/15/2021
PLOT DATE	= 11/17/2021	CHECKED	- YOO	REVISED	- 11/17/2021
		DATE	- 10/04/2021	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

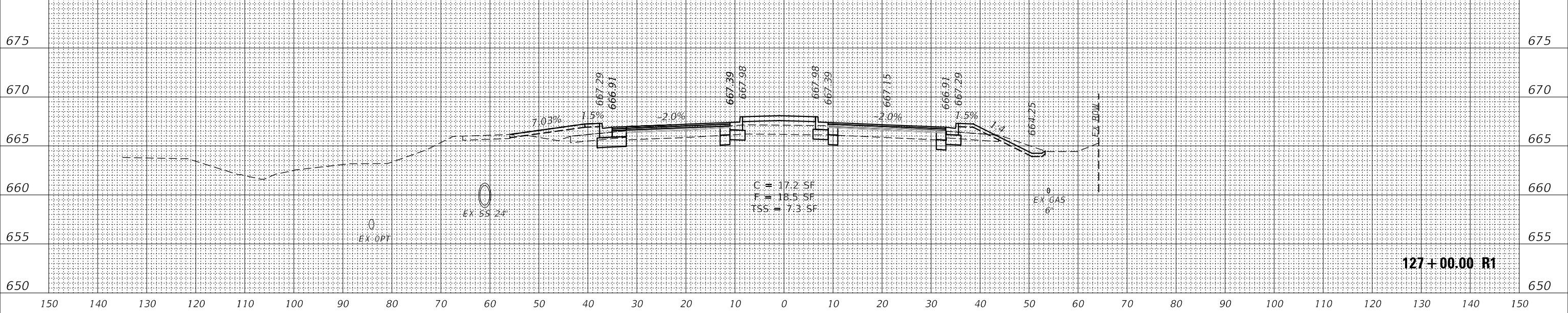
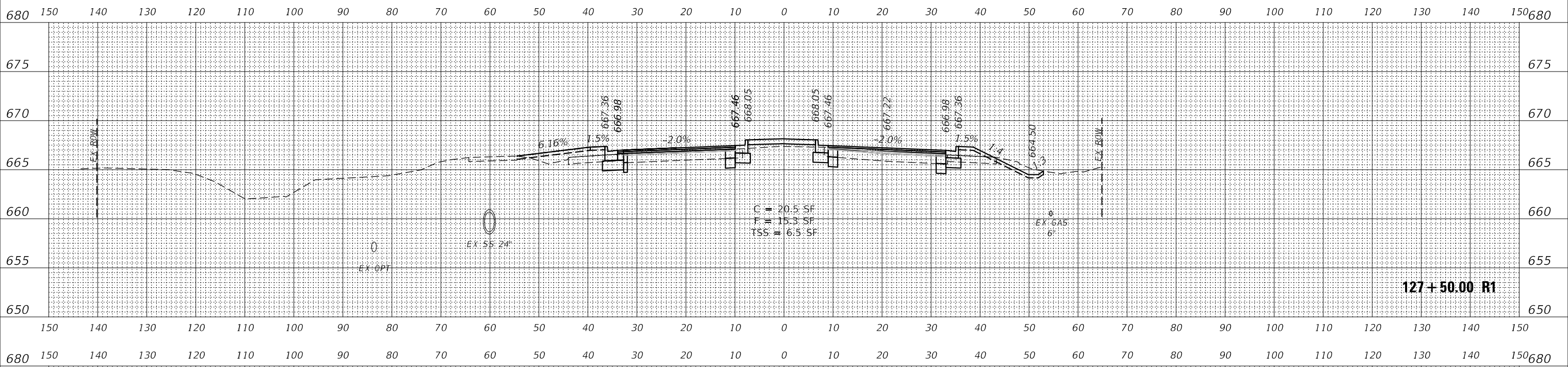
CROSS SECTIONS  
ORCHARD ROAD

SCALE: 10H / 5V SHEET OF SHEETS STA. 124+50.00 R1 TO STA. 125+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	157
				CONTRACT NO. 61H49
		ILLINOIS	FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner	DESIGNED	- KAC	REVISED	- 11/10/2021
		DRAWN	- AKW	REVISED	- 11/15/2021
PLOT SCALE	= 1:20	CHECKED	- YOO	REVISED	- 11/17/2021
PLOT DATE	= 11/17/2021	DATE	- 10/04/2021	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

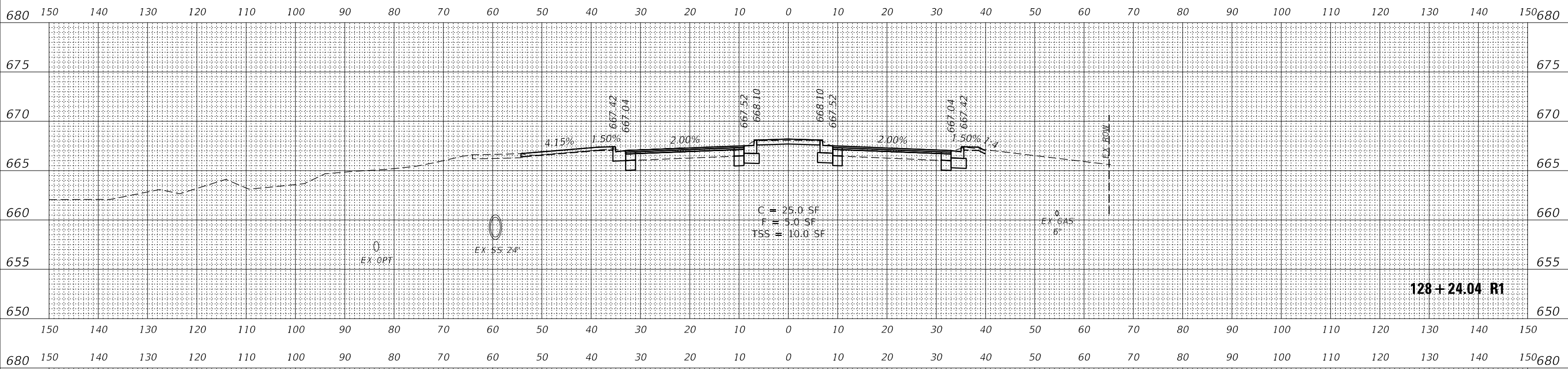
CROSS SECTIONS  
ORCHARD ROAD

SCALE: 10H / 5V SHEET OF SHEETS STA. 127+00.00 R1 TO STA. 127+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	159
CONTRACT NO. 61H49				

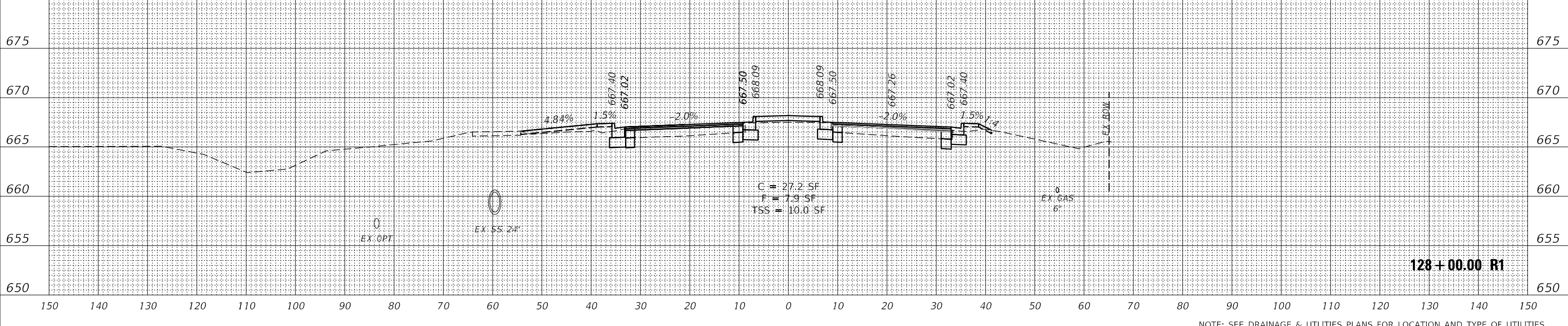
ILLINOIS FED. AID PROJECT

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



128+24.04 R1

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



128+00.00 R1

NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME	= awuelner	DESIGNED	- KAC	REVISED	- 11/10/2021
		DRAWN	- AKW	REVISED	- 11/15/2021
PLOT SCALE	= 1:20	CHECKED	- YOO	REVISED	- 11/17/2021
PLOT DATE	= 11/17/2021	DATE	- 10/04/2021	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
ORCHARD ROAD

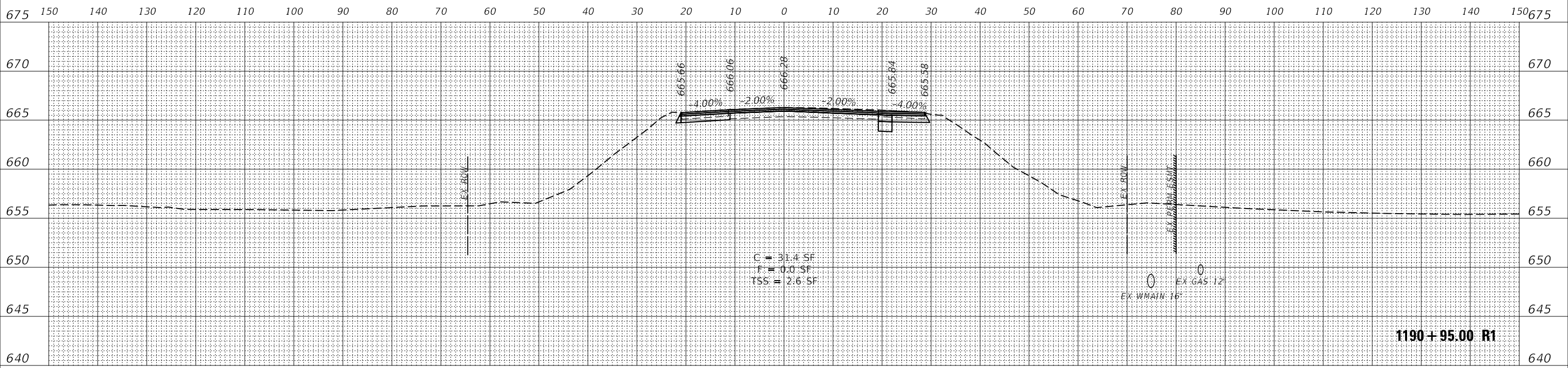
SCALE: 10H / 5V SHEET OF SHEETS STA. 128+00.00 R1 TO STA. 128+24.04 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	160
				CONTRACT NO. 61H49
				ILLINOIS FED. AID PROJECT



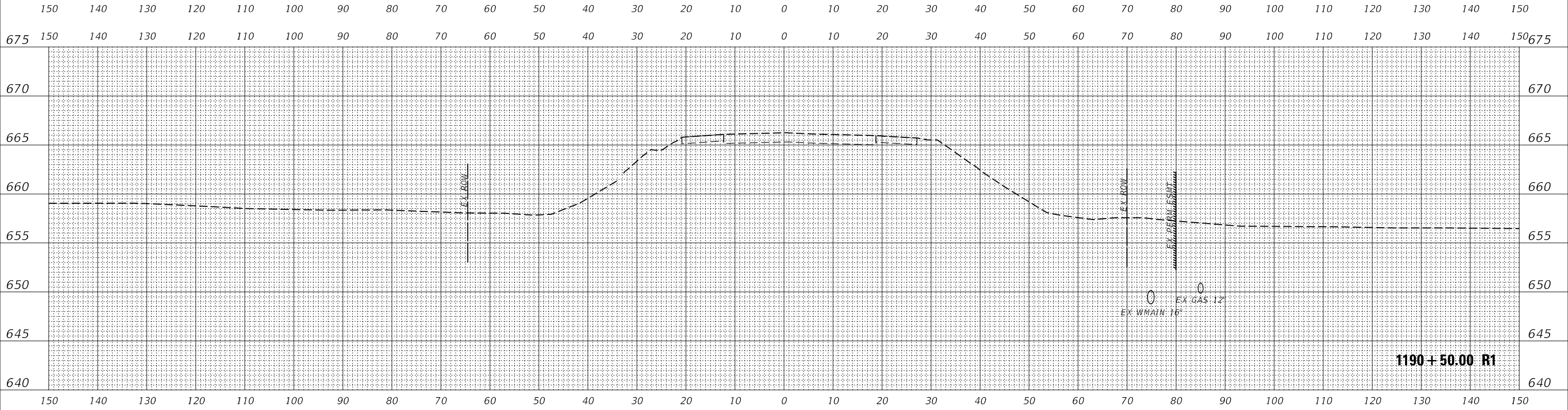


DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



1190+95.00 R1

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



1190+50.00 R1

NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

MODEL: FINAL\_US30  
FILE NAME: Z:\2021\180287 - On-Chand-Road\180287-2-SEC - On-Chand.dgn



USER NAME = awuelner	DESIGNED - KAC	REVISED - 11/10/2021
	DRAWN - AKW	REVISED - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REVISED - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

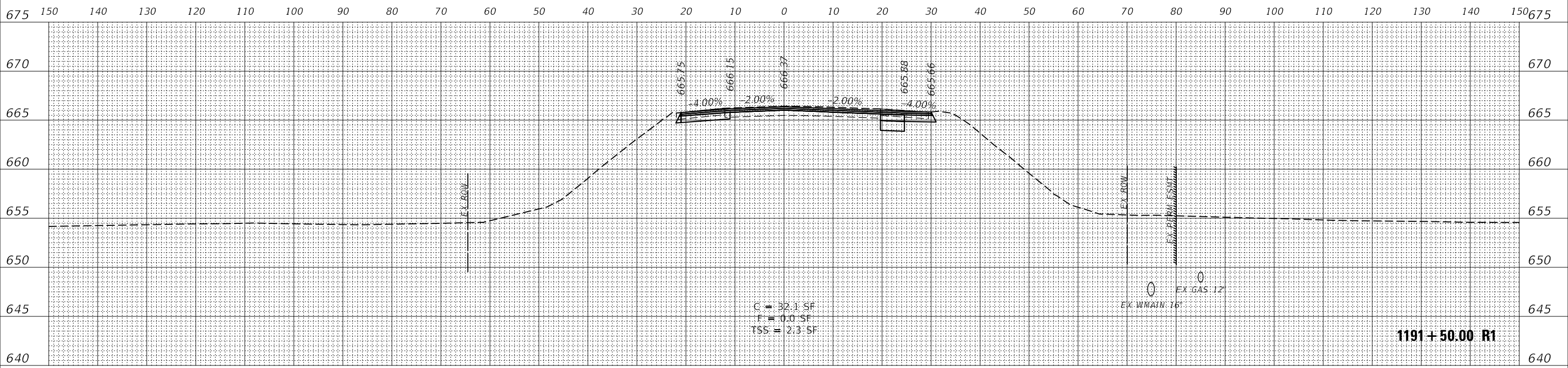
CROSS SECTIONS  
US ROUTE 30 (BASELINE ROAD)

SCALE: 10H / 5V SHEET OF SHEETS STA. 1190+50.00 R1 TO STA. 1190+95.00 R1

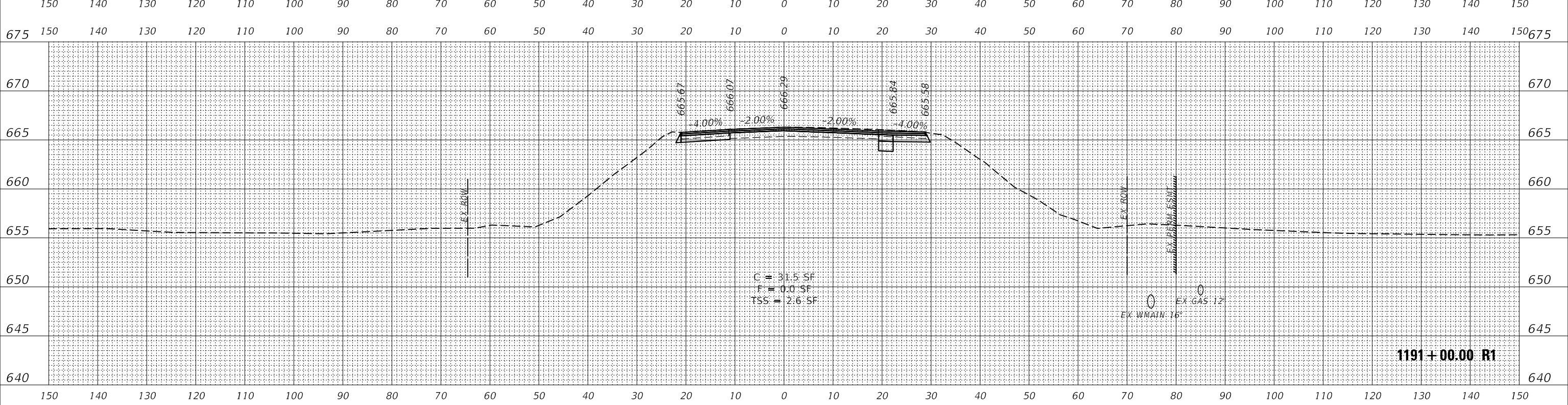
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	162
				CONTRACT NO. 61H49
		ILLINOIS	FED. AID PROJECT	



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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

MODEL: FINAL\_US30  
FILE NAME: Z:\2021\180287 - On-Chance Road\180287-2-SEC - On-Chance.dgn



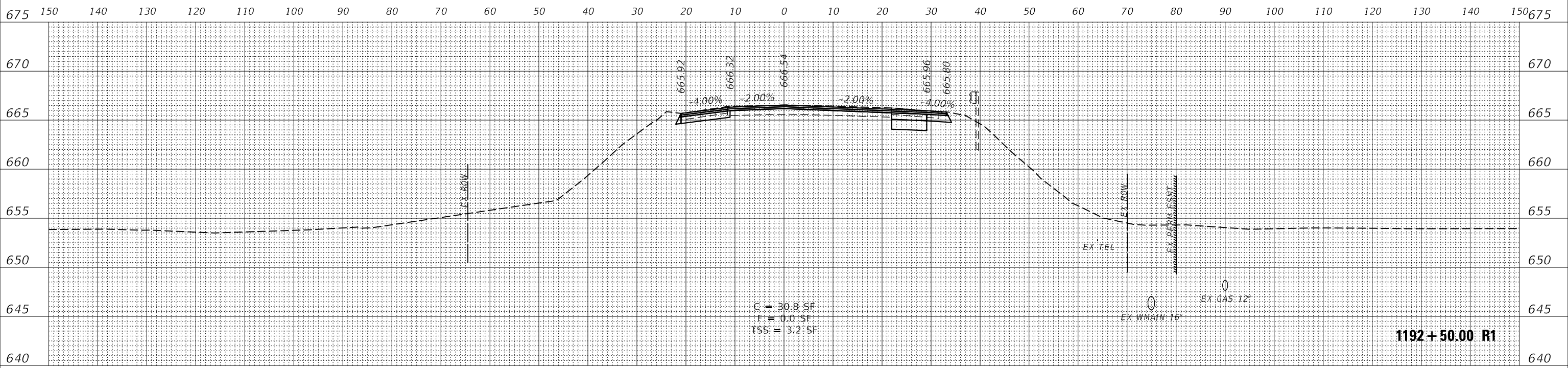
USER NAME	= awuelner	DESIGNED -	KAC	REVISED -	11/10/2021
		DRAWN -	AKW	REVISED -	11/15/2021
PLOT SCALE	= 1:20	CHECKED -	YOO	REVISED -	11/17/2021
PLOT DATE	= 11/17/2021	DATE -	10/04/2021	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

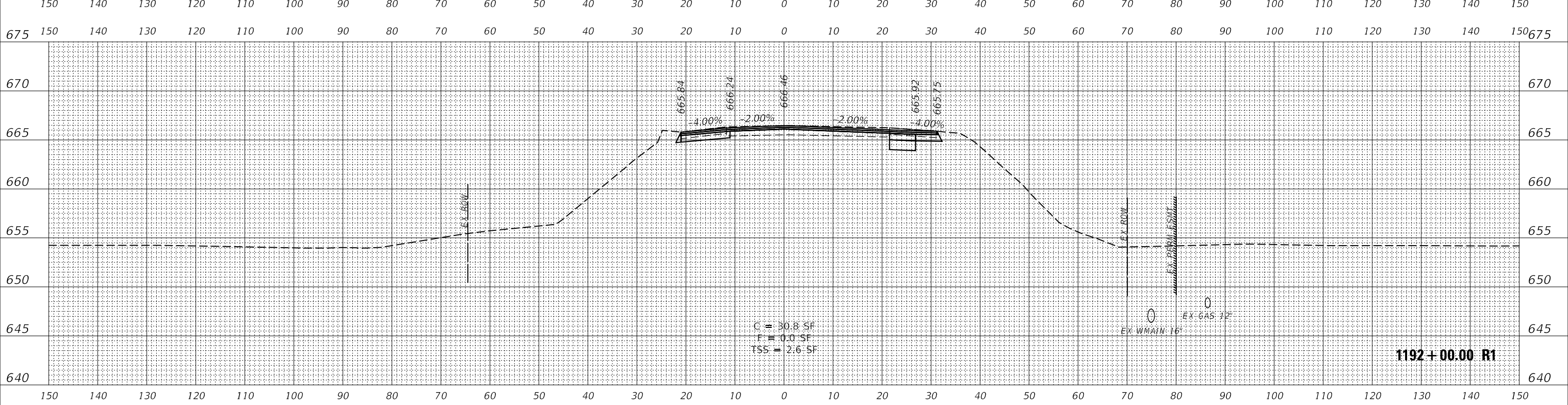
CROSS SECTIONS	
US ROUTE 30 (BASELINE ROAD)	
SCALE: 10H / 5V	SHEET OF SHEETS
STA. 1191+00.00 R1 TO STA. 1191+50.00 R1	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	163
				CONTRACT NO. 61H49
ILLINOIS FED. AID PROJECT				

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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

MODEL: FINAL\_US30  
FILE NAME: Z:\2021\11\17\2021 - On-Chance\Road\Baseline\30-Cross-Sections\Baseline\1192+00.00 R1.dgn



USER NAME	= awuelner	DESIGNED	- KAC	REVISED	- 11/10/2021
		DRAWN	- AKW	REVISED	- 11/15/2021
PLOT SCALE	= 1:20	CHECKED	- YOO	REVISED	- 11/17/2021
PLOT DATE	= 11/17/2021	DATE	- 10/04/2021	REVISED	-

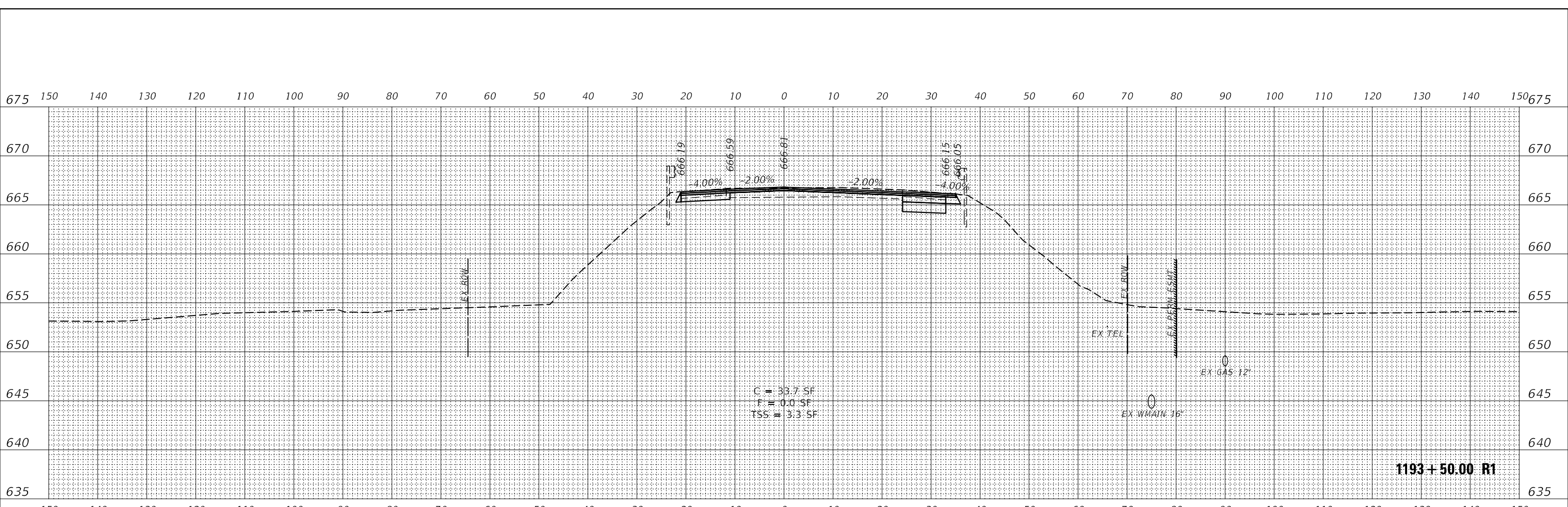
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
US ROUTE 30 (BASELINE ROAD)

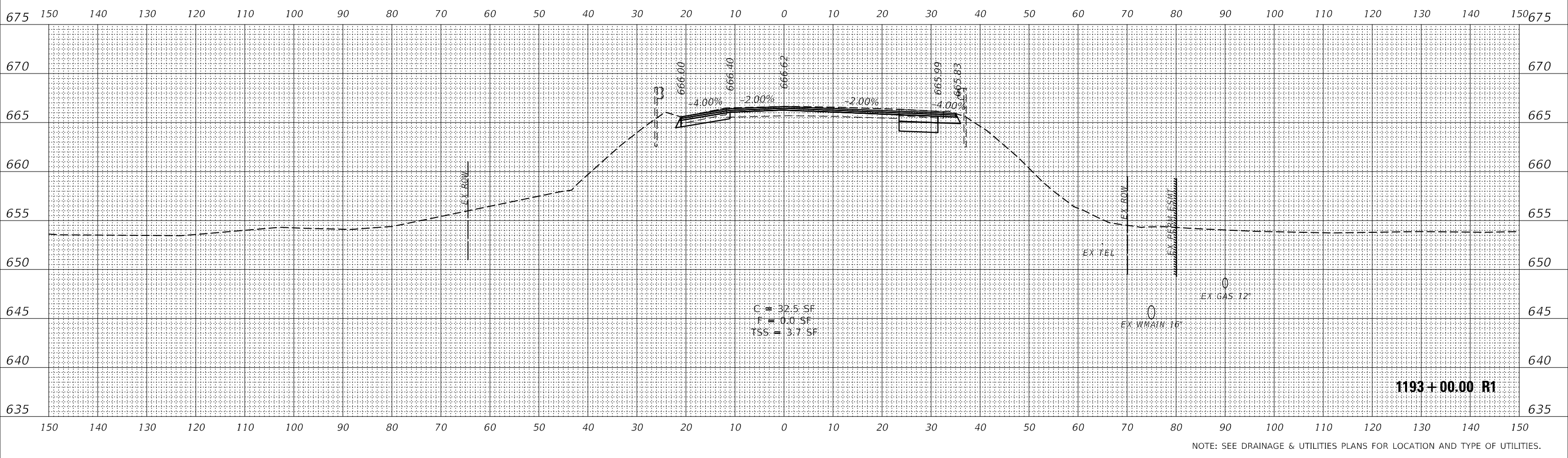
SCALE: 10H / 5V SHEET OF SHEETS STA. 1192+00.00 R1 TO STA. 1192+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	164
				CONTRACT NO. 61H49
				ILLINOIS FED. AID PROJECT

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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

**WBK ENGINEERING, LLC**  
 118 WEST MARK STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

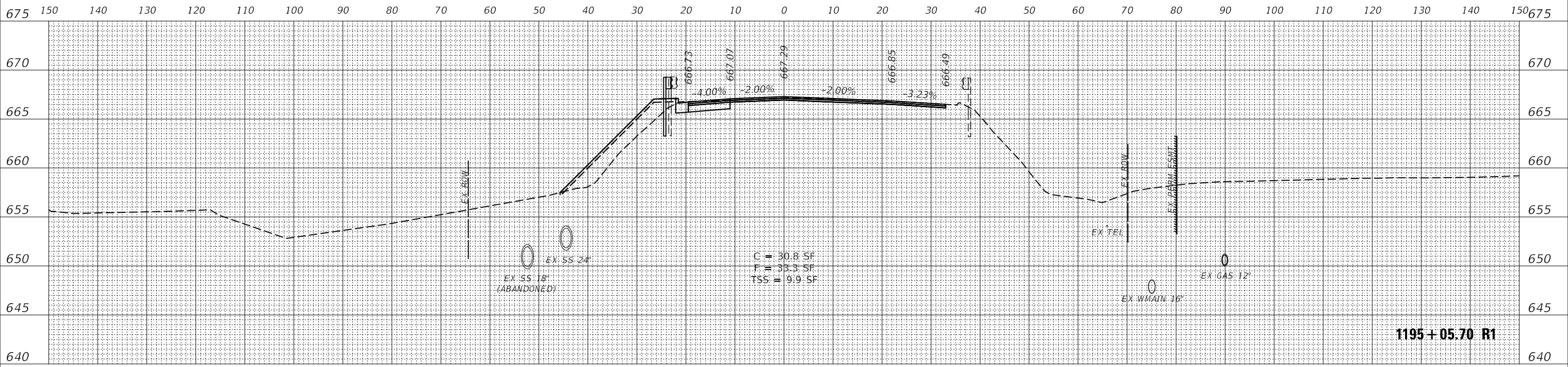
USER NAME	= awuelner
DESIGNED	- KAC
REVISIED	- 11/10/2021
DRAWN	- AKW
REVISIED	- 11/15/2021
PLOT SCALE	= 1:20
CHECKED	- YOO
REVISIED	- 11/17/2021
PLOT DATE	= 11/17/2021
DATE	- 10/04/2021
REVISIED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>	
<b>US ROUTE 30 (BASELINE ROAD)</b>	
SCALE: 10H / 5V	SHEET OF SHEETS
STA. 1193+00.00 R1 TO STA. 1193+50.00 R1	

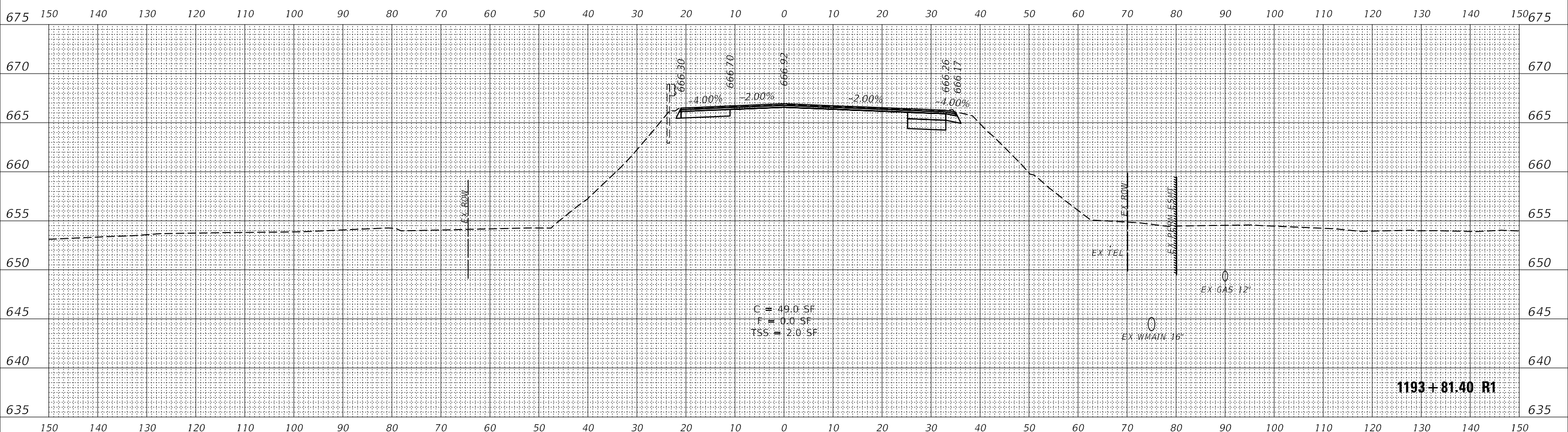
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	165
				CONTRACT NO. 61H49
				ILLINOIS FED. AID PROJECT

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



1195+05.70 R1

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



1193+81.40 R1

NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.



USER NAME = awuelner	DESIGNED - KAC	REVISED - 11/10/2021
	DRAWN - AKW	REVISED - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REVISED - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -

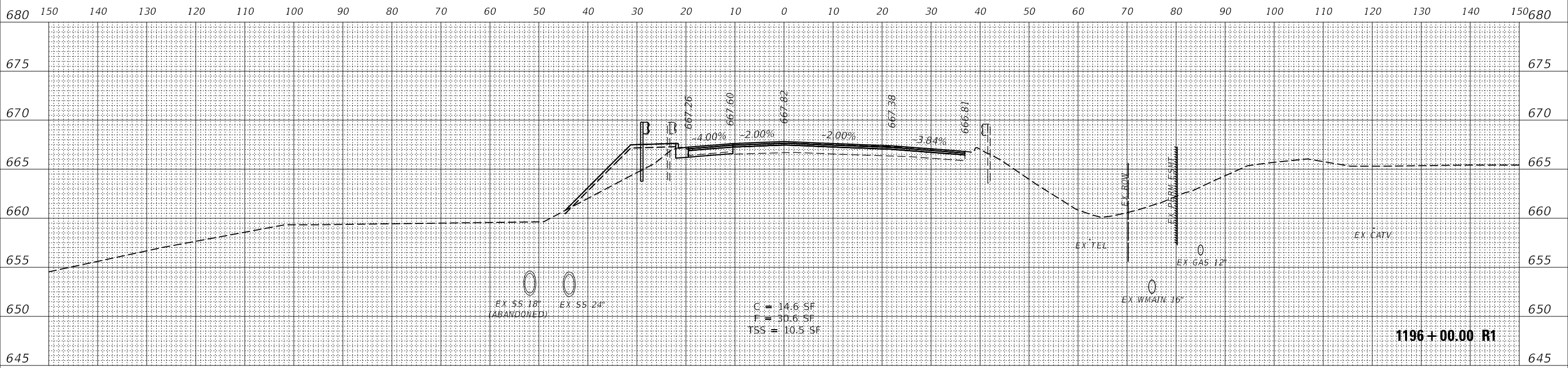
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
US ROUTE 30 (BASELINE ROAD)

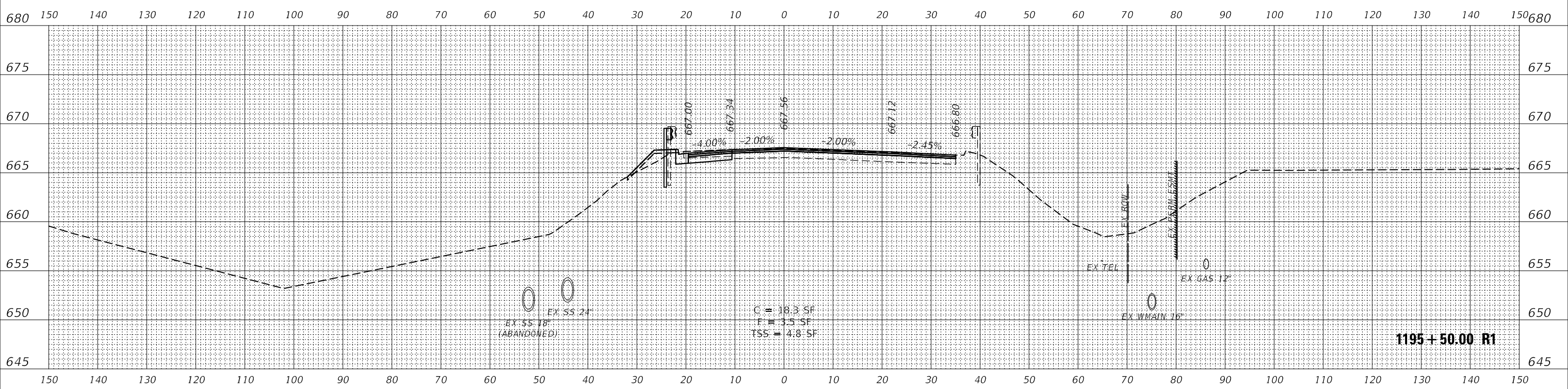
SCALE: 10H / 5V SHEET OF SHEETS STA. 1193+81.40 R1 TO STA. 1195+05.70 R1

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 166
			CONTRACT NO. 61H49	
		ILLINOIS FED. AID PROJECT		

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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

MODEL: FINAL\_US30  
FILE NAME: Z:\2021\180287 - On-Chand-Road\180287-2-SEC - On-Chand.dgn



USER NAME	= awuelner	DESIGNED -	KAC	REVISED -	11/10/2021
		DRAWN -	AKW	REVISED -	11/15/2021
PLOT SCALE	= 1:20	CHECKED -	YOO	REVISED -	11/17/2021
PLOT DATE	= 11/17/2021	DATE	= 10/04/2021	REVISED -	

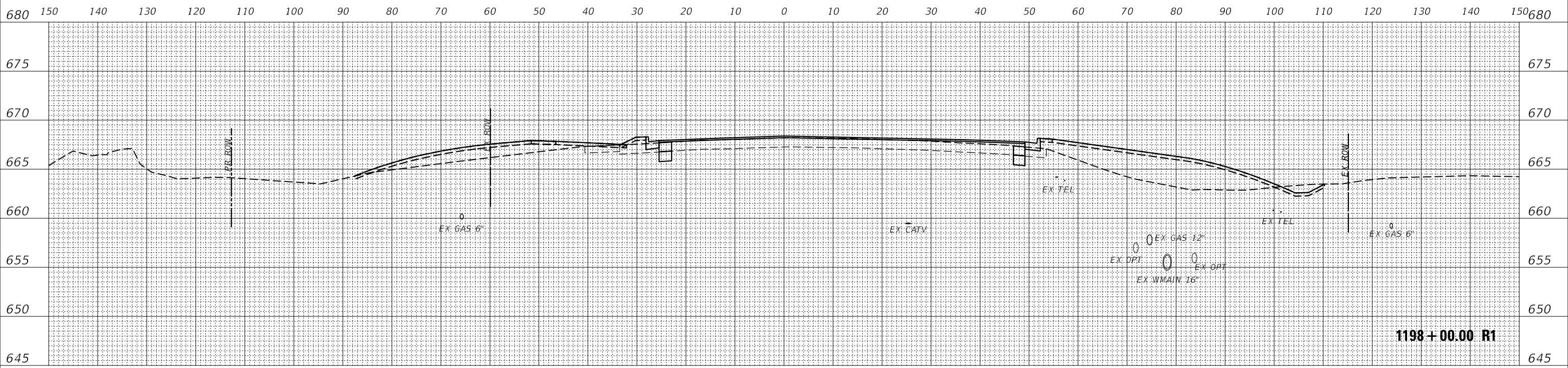
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
US ROUTE 30 (BASELINE ROAD)

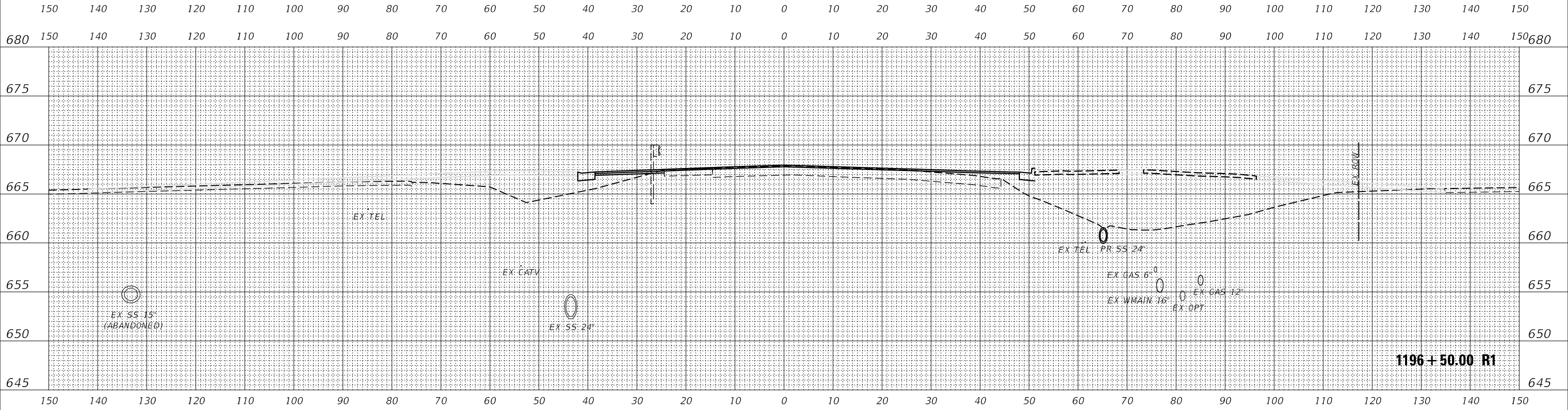
SCALE: 10H / 5V SHEET OF SHEETS STA. 1195+50.00 R1 TO STA. 1196+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	167
			CONTRACT NO. 61H49	
			ILLINOIS FED. AID PROJECT	

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



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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

MODEL: FINAL\_US30  
FILE NAME: Z:\2021\1196287 - On-Chand-Road\1196287-2-SEC - On-Chand.dgn

**WBK ENGINEERING**  
WBK ENGINEERING, LLC  
118 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

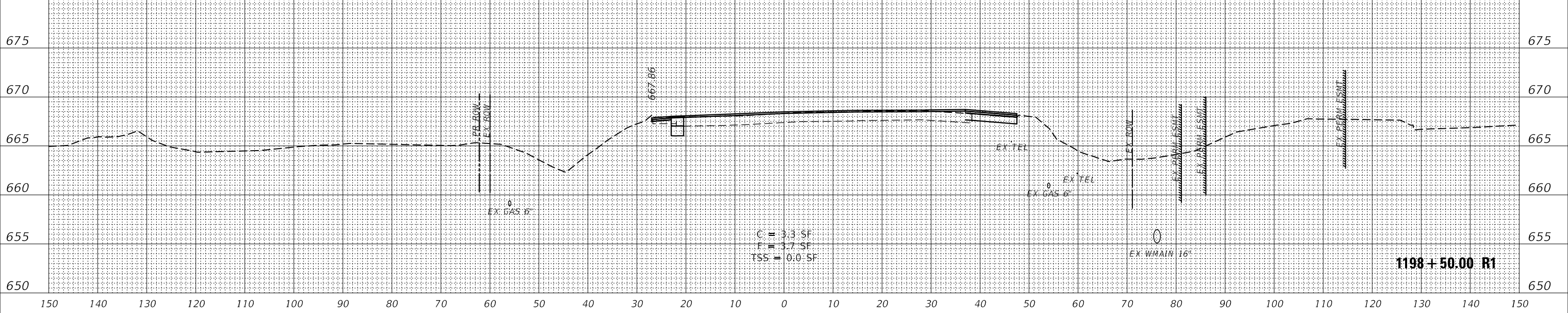
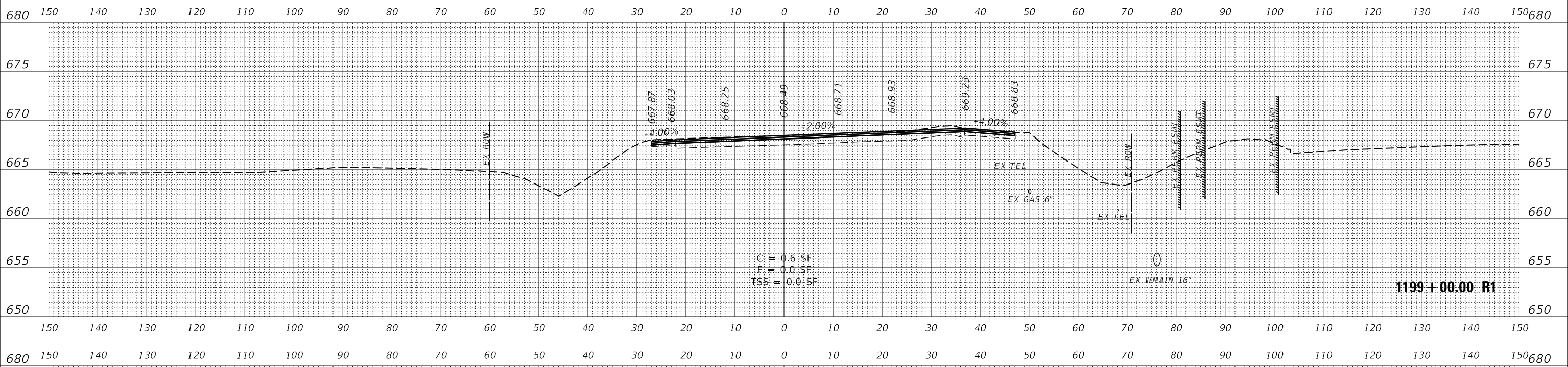
USER NAME	= awuelner	DESIGNED -	KAC	REVISED -	11/10/2021
		DRAWN -	AKW	REVISED -	11/15/2021
PLOT SCALE	= 1:20	CHECKED -	YOO	REVISED -	11/17/2021
PLOT DATE	= 11/17/2021	DATE	= 10/04/2021	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>	
<b>US ROUTE 30 (BASELINE ROAD)</b>	
SCALE: 10H / 5V	SHEET OF SHEETS
STA. 1196+50.00 R1 TO STA. 1198+00.00 R1	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	168
			CONTRACT NO. 61H49	
		ILLINOIS	FED. AID PROJECT	

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



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

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

MODEL: FINAL\_US30  
FILE NAME: Z:\2021\11\17\2021 - Original\Baseline\1198+50.00 R1.dgn



USER NAME	= awuelner	DESIGNED	- KAC	REVISED	- 11/10/2021
		DRAWN	- AKW	REVISED	- 11/15/2021
PLOT SCALE	= 1:20	CHECKED	- YOO	REVISED	- 11/17/2021
PLOT DATE	= 11/17/2021	DATE	- 10/04/2021	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

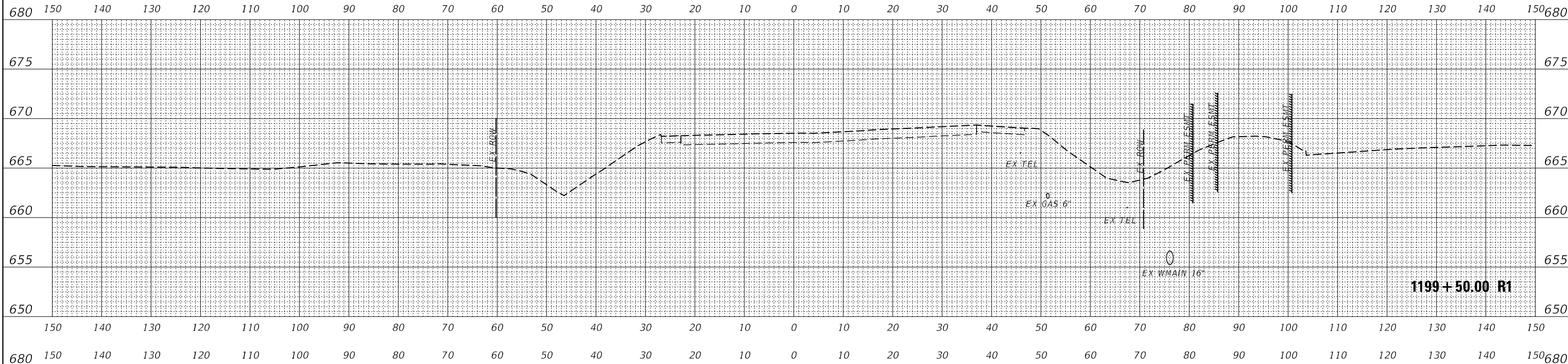
SCALE: 10H / 5V		SHEET OF SHEETS		STA. 1198+50.00 R1 TO STA. 1199+00.00 R1	
-----------------	--	-----------------	--	--	--

CROSS SECTIONS  
US ROUTE 30 (BASELINE ROAD)

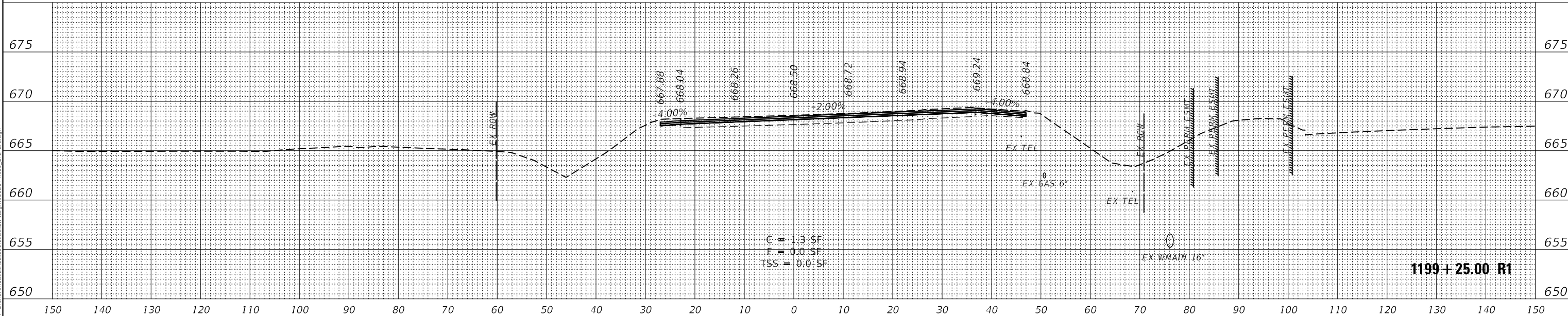
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	169
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE: SEE DRAINAGE & UTILITIES PLANS FOR LOCATION AND TYPE OF UTILITIES.

MODEL: FINAL\_US30  
FILE NAME: Z:\2021\1199287 - On-Grade Road at Route 30\1199287.dwg



USER NAME = awuelner	DESIGNED - KAC	REVISED - 11/10/2021
	DRAWN - AKW	REVISED - 11/15/2021
PLOT SCALE = 1:20	CHECKED - YOO	REVISED - 11/17/2021
PLOT DATE = 11/17/2021	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: 10H / 5V		SHEET OF SHEETS		STA. 1199+25.00 R1 TO STA. 1199+50.00 R1	
-----------------	--	-----------------	--	--	--

CROSS SECTIONS  
US ROUTE 30 (BASELINE ROAD)

F.A.P. RTE. 336	SECTION 17-00488-00-CH	COUNTY KANE/KENDALL	TOTAL SHEETS 170	SHEET NO. 170
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT				