

002

06-14-2019 LETTING ITEM 002

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	1
		(ILL. PROJ.)	CONTRACT NO. 62B75	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAU 2711 (ILLINOIS ROUTE 131)
29TH STREET TO PROPOSED KENOSHA ROAD
SECTION 32-N-6(15)
PROJECT HSIP-XNIJ(873)
INTERSECTION RECONSTRUCTION
LAKE COUNTY
C-91-089-18

D-91-228-18



LOCATION OF SECTION INDICATED THIS: -

PROFESSIONAL ENGINEER'S SIGN & SEAL

B. Hartman
BENJAMIN D. HARTMAN, P.E.
EXPIRES: 11-30-19



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 18 20 19
Anthony J. Quigley / AS
REGIONAL ENGINEER
May 10 2019
ENGINEER OF DESIGN AND ENVIRONMENT
May 10 2019
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

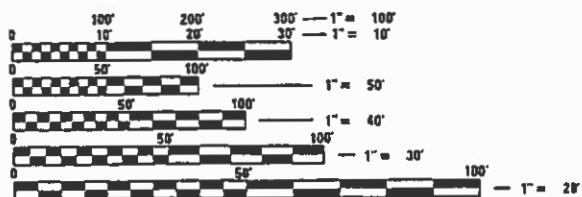
TRAFFIC DATA

ADT:
ILL. ROUTE 131 9,650 VPD (2014)
KENOSHA ROAD 5,100 VPD (2014)

POSTED SPEED LIMIT

ILL. ROUTE 131 45 MPH
KENOSHA ROAD 45 MPH

PROJECT LOCATED IN THE
VILLAGE OF BEACH PARK

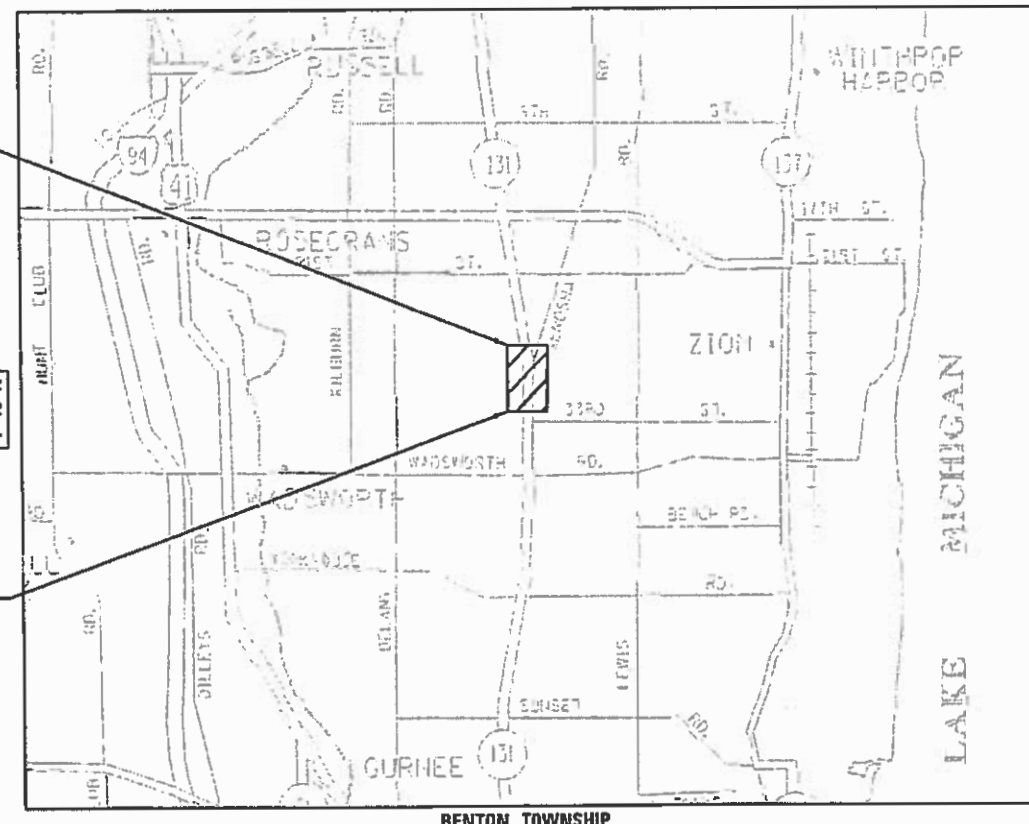


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENDS
STA. 1814 + 76.37

PROJECT BEGINS
STA. 1791 + 84.52



GROSS LENGTH = 3,208.2 FT. = 0.608 MILE
NET LENGTH = 3,208.2 FT. = 0.608 MILE

PROJECT ENGINEER: DAN WILGREEN 847-705-4240
PROJECT MANAGER: FAWAD AQUEEL 847-705-4247

CONTRACT NO. 62B75

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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIAMETER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602401-06	PRECAST MANHOLE TYPE A 4' DIAMETER
602406-10	PRECASE MANHOLE TYPE A 6' DIAMETER
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
635001-02	DELINEATORS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
838001-01	BREAKAWAY DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 OR (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, BEACH PARK AND LAKE COUNTY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES (40mm) WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKING ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- PAVEMENT PATCHING WILL BE CONSTRUCTED AS "PATCHING FIRST" OPERATIONS PER BD-22 DETAIL.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- MATCH EXISTING PAVEMENT MARKINGS AT THE PROJECT LIMITS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- DRIVEWAY OFFSETS ARE TO BE CONSTRUCTED TO THE R.O.W. OR EASEMENT UNLESS OTHERWISE NOTED.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
- THE THICKNESSES OF HOT MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE HOT MIX ASPHALT MIXTURES ARE TO BE PLACED.

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 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plot.tbl

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USER NAME = bhartha	DESIGNED - BH	REVISED -
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS & STATE STANDARDS

SCALE: NTS	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	F.A.U. RTE. 2711	SECTION 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 2
CONTRACT NO. 62B75						FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT	

GENERAL NOTES CONT.

- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND AFTER COMPLETION OF ROADWAY CONSTRUCTIONS, TO SET THEM IN THEIR PERMANENT LOCATIONS PER UNITED STATES POST OFFICE REQUIREMENTS. THIS WORK SHALL BE DONE IN CONFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, AND THE COST WILL BE CONSIDERED INCLUDED IN THE CONTRACT.
- THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGINEER PRIOR TO USE OF THE WATER.

STORM SEWERS, WATER MAINS, AND UTILITIES

- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN AN OPERATING CONDITION, TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY THE EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.
- ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. THE RINGS SHALL BE INCLUDED IN THE COST OF WORK BEING PERFORMED.
- JOINT TIES FOR CONCRETE PIPES INSTALLED ALONG KENOSHA ROAD SHALL BE INSTALLED PER LAKE COUNTY DEPARTMENT OF TRANSPORTATION STANDARD DETAIL LC5402 "JOINT TIES FOR CONCRETE PIPE"

BACKFILL

- FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.
- THE PAY ITEM FOR STORM SEWER REMOVAL SHALL INCLUDE ANY TRENCH BACKFILL REQUIRED TO FILL AREA OF SEWER REMOVAL WHERE THERE IS NO REPLACEMENT. IF PROPOSED STORM SEWER IS REPLACED IN THE SAME TRENCH, THEN TRENCH BACKFILL SHALL BE PAID FOR SEPARATELY.

SIGNING AND STRIPING

- SEE DISTRICT ONE DETAIL AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS AND INCLUDED IN THE UNIT COST OF METAL POST - TYPE B.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKING.

GENERAL NOTES CONT.

TRAFFIC SIGNALS

- IT SHALL BE IN THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATION AND VERIFYING THE MAST ARMS' LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANYWORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 (48 HOURS NOTIFICATION REQUIRED).
- IF THIS CONTRCT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED MATERIAL, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.
- A CONCRETE APRON SHALL NOT BE REQUIRED FOR NEW UPS INTALLATIONS ADJACENT TO EXISTING IMPERVIOUS SURFACES THAT SATISFY THE NEED OF CONCRETE APRON, AS DIRECTED BY THE ENGINEER

EROSION CONTROL PLANS

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
- PROPERTIES AND CHANNELS ADJOINING THE SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL AND MAINTAIN SILT FENCE PRIOR TO BEGINNING ANY CONSTRUCTION.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN ONE (1) CALENDAR DAY FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO THE CONSTRUCTION SITE, CHANNEL, WATERS OF THE UNITED STATES, THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
- ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.
- PERMANENT EROSION CONTROL SHALL INCLUDE TOPSOIL EXCAVATION AND PLACEMENT, TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A TO BE PROVIDED IN ACCORDANCE WITH ARTICLE 250 OF THE STANDARD SPECIFICATIONS.
- ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24-HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- THE CONTRACTOR SHOULD PROVIDE TO THE RESIDENT ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION

GENERAL NOTES CONT.

- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
- UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RESIDENT ENGINEER.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AND EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: 'PROTECTED WETLAND-NO INTRUSION.' THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN(S) SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.
- THE LOCATIONS OF PROPOSED TREES TO BE PLANTED WILL BE WITHIN THE PROJECT LIMITS AND DETERMINED BY THE RESIDENT ENGINEER AND BY MELISSA DEL ROSARIO, IDOT MAINTENANCE ROADSIDE DEVELOPMENT UNIT. CONTRACTOR SHALL CONTACT BOTH THE RESIDENT ENGINEER AND MELISSA DEL ROSARIO AT (847) 705-4391 A WEEK IN ADVANCE PRIOR TO PLANTING.

EARTHWORK

- SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSTABLE MATERIAL.
- PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 601001. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE BOTTOM OF AGGREGATE SUBGRADE IMPROVEMENT WHEN POSSIBLE. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS 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 AGGREGATE SUBGRADE IMPROVEMENT 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 STANDARD SPECIFICATIONS 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.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES			
SCALE: NTS	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62B75	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 1 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	4
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

URBAN

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	100% COUNTY	90% FED 6.7% STATE 3.3% COUNTY	100% VILLAGE
				0004	0004	0021	0021
				ROADWAY	ROADWAY	SIGNALS	SIGNALS
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,095	212	883		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	656	118	538		
20101000	TEMPORARY FENCE	FOOT	557	398	159		
20200100	EARTH EXCAVATION	CU YD	8,108	4,805	3,303		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	846	297	549		
20800150	TRENCH BACKFILL	CU YD	58	37	21		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4,805		4,805		
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	12,245	9,587	2,658		
* 21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	6,385	960	5,425		
* 25000210	SEEDING, CLASS 2A	ACRE	2.75	2.00	0.75		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	253	176	77		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	253	176	77		
* 25100115	MULCH, METHOD 2	ACRE	3.00	2.00	1.00		
* 25100630	EROSION CONTROL BLANKET	SQ YD	17,406	10,546	6,860		
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	285	213	72		
28000305	TEMPORARY DITCH CHECKS	FOOT	360	320	40		
28000400	PERIMETER EROSION BARRIER	FOOT	2,343	1,815	528		
28000500	INLET AND PIPE PROTECTION	EACH	9	6	3		
28000510	INLET FILTERS	EACH	3		3		
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	13,552	9,427	4,125		
28100107	STONE RIPRAP, CLASS A4	SQ YD	47	47			
28200200	FILTER FABRIC	SQ YD	47	47			
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	578	157	421		
* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	9,738	4,693	5,045		

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	5
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

URBAN

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	100% COUNTY	90% FED 6.7% STATE 3.3% COUNTY	100% VILLAGE
				0004	0004	0021	0021
				ROADWAY	ROADWAY	SIGNALS	SIGNALS
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	592	592			
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	59		59		
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	929	788	141		
35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SQ YD	4,805		4,805		
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	91	91			
35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	SQ YD	3,476	3,476			
35600709	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4"	SQ YD	713	713			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	20,233	9,423	10,810		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7,880	6,799	1,081		
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	643	643			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	24	24			
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	151	134	17		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	209	209			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	56	33	23		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,353		1,353		
44000100	PAVEMENT REMOVAL	SQ YD	5,630	1,032	4,598		
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	7,904	7,215	689		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	826	465	361		
44002222	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5 1/2"	SQ YD	488	434	54		
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	236	209	27		
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	242	215	27		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	223		223		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3,704	3,704			
50105220	PIPE CULVERT REMOVAL	FOOT	483	354	129		

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 3 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	6
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

URBAN

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	100% COUNTY	90% FED 6.7% STATE 3.3% COUNTY	100% VILLAGE
				0004	0004	0021	0021
				ROADWAY	ROADWAY	SIGNALS	SIGNALS
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	1	1		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2			
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2			
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	6	2	4		
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2	2			
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	2			
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	42	42			
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	55	55			
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	189	46	143		
542A5491	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	56	56			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	228	77	151		
55100700	STORM SEWER REMOVAL 15"	FOOT	167	167			
56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	2			
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	3	3			
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	9	9			
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	172	172			
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	4,450	3,567	883		
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2		2		
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60500040	REMOVING MANHOLES	EACH	1	1			
60500050	REMOVING CATCH BASINS	EACH	2		2		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	208		208		

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 4 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	7
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

URBAN

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	100% COUNTY	90% FED 6.7% STATE 3.3% COUNTY	100% VILLAGE
				0004	0004	0021	0021
				ROADWAY	ROADWAY	SIGNALS	SIGNALS
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	7,600	4,560	2,280	760	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	7	4	2	1	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	0.5	0.5		
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	60	40	20		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	0.5	0.5		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	13	5		
67100100	MOBILIZATION	L SUM	1	0.7	0.3		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	540	300	180	60	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	717	530	187		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	240	177	63		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	510	364	146		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	10,245	7,259	2,986		
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	1,694		1,694		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,384	1,143	241		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	330	330			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	182	151	31		
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	1,132	1,132			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	4,285	4,075	210		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4,285	4,075	210		
70600305	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3	EACH	20	18	2		
70600330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	20	18	2		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	162.5	86	60	16.5	
* 72000200	SIGN PANEL - TYPE 2	SQ FT	15			15	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	3	3		

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NTS	SHEET NO. 5 OF 8 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	8
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	100% COUNTY	90% FED 6.7% STATE 3.3% COUNTY	100% VILLAGE
				0004 ROADWAY	0004 ROADWAY	0021 SIGNALS	0021 SIGNALS
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3			
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	51	31	20		
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	51	43	8		
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	330	227	103		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	510	364	146		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10,245	7,259	2,986		
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	1,694		1,694		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,384	1,143	241		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	491	330	161		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	182	151	31		
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	620	474	146		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	24,764	21,778	2,986		
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	1,694		1,694		
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,549	1,308	241		
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	491	330	161		
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	182	151	31		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	127	127			
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	57	54	3		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	175	127	48		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	796			796	
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	80			80	
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	327			327	
* 81400100	HANDHOLE	EACH	1			1	
* 81400200	HEAVY-DUTY HANDHOLE	EACH	5			5	

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				URBAN		90% FED 10% STATE	100% COUNTY	90% FED 6.7% STATE 3.3% COUNTY	100% VILLAGE
				0004	0004	0021	0021		
				ROADWAY	ROADWAY	SIGNALS	SIGNALS		
* 81400300	DOUBLE HANDHOLE	EACH	1			1			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	508				508		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1348			1348			
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	934			934			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	989			989			
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	240			240			
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	751			751			
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3			3			
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1			3			
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1			1			
* 87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1			1			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16			16			
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4			
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20			20			
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11			11			
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3			3			
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3			3			
* 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	3			3			
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6			6			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	3			3			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	213			213			
* 88700200	LIGHT DETECTOR	EACH	2				2		
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				1		

* SPECIALTY ITEMS

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PROJECT CONTACT: #PROJECT CONTACTS
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184-001322

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PLOT DATE = 3/21/2019

DESIGNED - BH
DRAWN - DMS
CHECKED -
DATE - 3/21/19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: NTS SHEET NO. 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	9
CONTRACT NO. 62B75				

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

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 Illinois Professional Design Firm
 #184-001322

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 PLOT DATE = 3/21/2019

DESIGNED - BH
 DRAWN - DMS
 CHECKED -
 DATE - 3/21/19

REVISED -
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 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 7 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	10
CONTRACT NO. 62B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

URBAN

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE	100% COUNTY	90% FED 6.7% STATE 3.3% COUNTY	100% VILLAGE
				0004	0004	0021	0021
				ROADWAY	ROADWAY	SIGNALS	SIGNALS
* A2002008	TREE, AESCULUS FLAVEA (YELLOW SWEET BUCKEYE), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	5	5		
* A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	20	10	10		
* A2007210	TREE, QUERCUS X MACDANIELLI CLEMONS (HERITAGE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	4	3		
* A2007614	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	15	8	7		
* A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	5	5		
* B2000766	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	20	10	10		
* C3006024	SHRUB, RHUS TYPHINA (STAGHORN SUMAC), 2' HEIGHT, BARE ROOT	EACH	300	150	150		
* D2001960	EVERGREEN, PICEA GLAUCA DENSATA (BLACK HILLS SPRUCE), 5' HEIGHT, BALLED AND BURLAPPED	EACH	20	10	10		
* D2002372	EVERGREEN, PINUS FLEXILIS (LIMBER PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	15	8	7		
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	508				508
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	6,441	3,988	2,453		
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	377	377			
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1			1	
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1	
* X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1			1	
X2200020	FENCE REMOVAL AND REINSTALLATION	FOOT	455		455		
* X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	1.50	0.25	1.25		
* X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	1.50	0.25	1.25		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5	3	2		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2			
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	954	954			
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	5	5			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.7	0.3		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	477	477			

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES
 SCALE: NTS SHEET NO. 8 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	11
CONTRACT NO. 62B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

URBAN

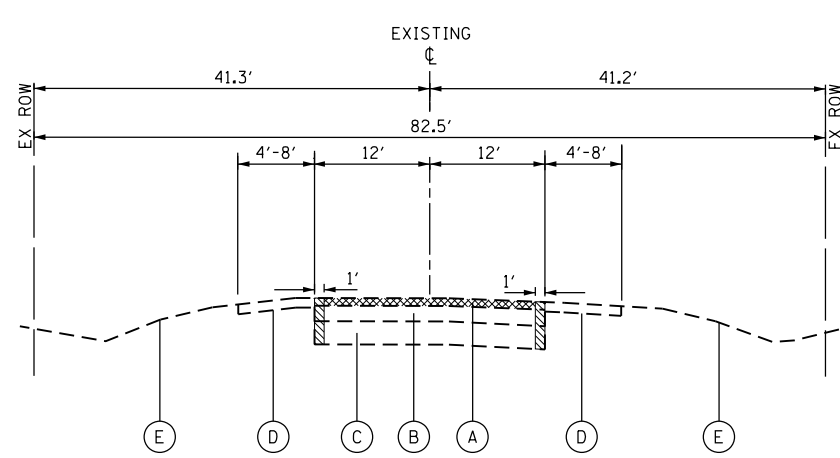
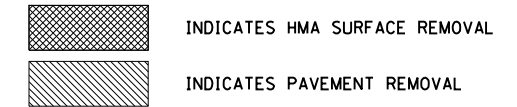
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	100% COUNTY	90% FED 6.7% STATE 3.3% COUNTY	100% VILLAGE
				0004 ROADWAY	0004 ROADWAY	0021 SIGNALS	0021 SIGNALS
* X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	53		53		
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	146		146		
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2,986		2,986		
* X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	1,694		1,694		
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	241		241		
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	161		161		
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	31		31		
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	78	52	26		
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	875		875		
Z0056670	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	FOOT	80	80			
Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	105	105			
Z0062456	TEMPORARY PAVEMENT	SQ YD	506	506			
Ø Z0076600	TRAINEES	HOUR	500	500			
54248130	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 24"	EACH	6	2	4		
54248160	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 36"	EACH	2	2			
* A2C026G4	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), CONTAINER GROWN, 15-GALLON (ROOT PRODUCTION METHOD)	EACH	20	10	10		
* A2C041G4	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), CONTAINER GROWN, 15-GALLON (ROOT PRODUCTION METHOD)	EACH	15	8	7		
* A2C35G14	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), CONTAINER GROWN, 15-GALLON (ROOT PRODUCTION METHOD,)	EACH	20	10	10		
* A2006728	TREE, QUERCUS MACROCARPA (BURR OAK), CONTAINER GROWN, 15-GALLON (ROOT PRODUCTION METHOD)	EACH	20	10	10		
* A2C052G4	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), CONTAINER GROWN, 15-GALLON (ROOT PRODUCTION METHOD)	EACH	20	10	10		
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500			

Ø 0042

* SPECIALTY ITEMS

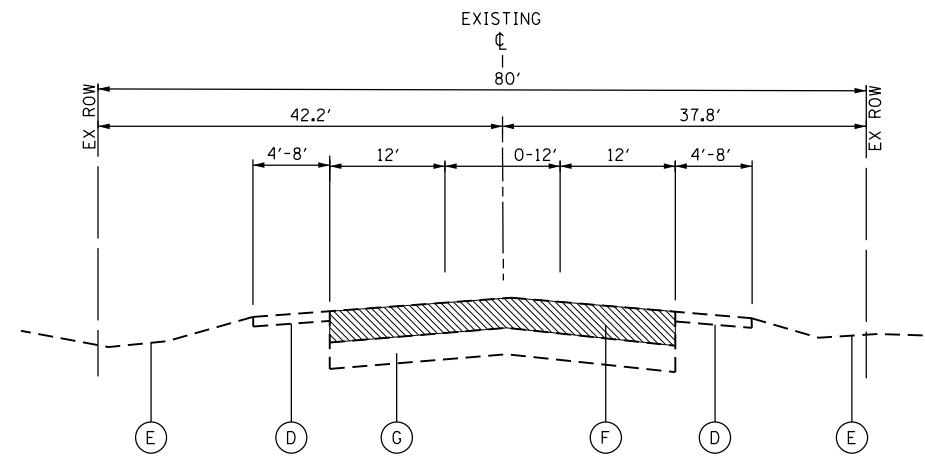
EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 3-INCH
- (B) HOT-MIX ASPHALT RESURFACING, 5/2-INCH
- (C) PCC BASE COURSE, 10-INCH
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING GROUND
- (F) HOT-MIX ASPHALT PAVEMENT, 8-INCH
- (G) AGGREGATE BASE COURSE



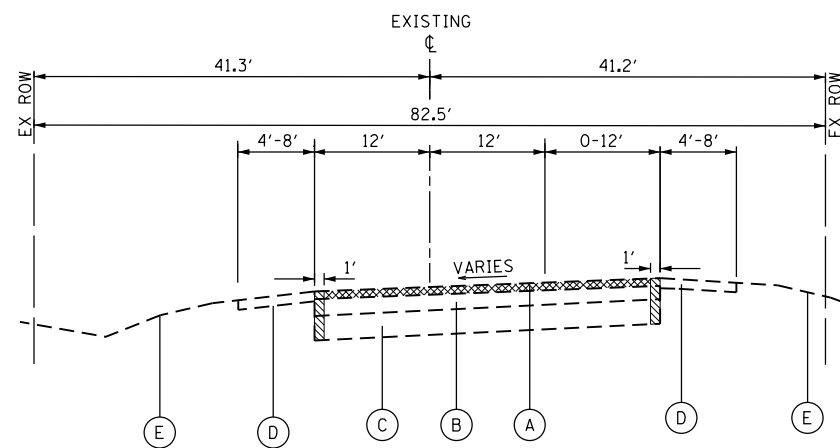
EXISTING TYPICAL SECTION

IL ROUTE 131
STA 1791+84.52 TO STA 1797+27.56
STA 1804+72.36 TO STA 1814+76.37



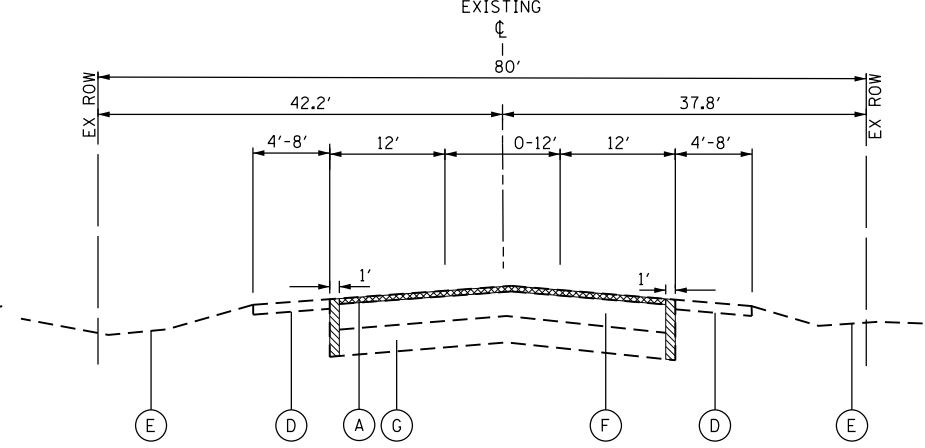
EXISTING TYPICAL SECTION

KENOSHA ROAD
STA 1000+42.11 TO STA 1012+00



EXISTING TYPICAL SECTION

IL ROUTE 131
STA 1797+27.56 TO STA 1804+72.36



EXISTING TYPICAL SECTION

KENOSHA ROAD
STA 1012+00 TO STA 1013+45

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4.0% @ 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (M.M.), IL-4.75, N50; 1"	3.5% @ 50 GYR.	QC/OA
PAVEMENT RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4.0% @ 70 GYR.	QCP
HMA BASE COURSE (HMA BINDER IL-19.0mm); 7.5"	4.0% @ 70 GYR.	QC/OA
PAVEMENT WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4.0% @ 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (M.M.), IL-4.75, N50; 1"	3.5% @ 50 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19.0mm); 8.25"	4.0% @ 70 GYR.	QC/OA
PAVEMENT WIDENING (FOR LOCATIONS WITH WIDENING LESS THAN 6')		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4.0% @ 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (M.M.), IL-4.75, N50; 1"	3.5% @ 50 GYR.	QC/OA
HMA BASE COURSE WIDENING (HMA BINDER IL-19.0mm); 8.25"	4.0% @ 70 GYR.	QC/OA
HMA SHOULDERS, 8"		
HMA BINDER IL-19mm, N70; 6"	4.0% @ 70 GYR.	QC/OA
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4.0% @ 70 GYR.	QC/OA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4.0% @ 50 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19mm); PE-6" or CE-8"	4.0% @ 50 GYR.	QC/OA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4.0% @ 70 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19.0mm); 6"	4.0% @ 70 GYR.	QC/OA
PAVEMENT RESURFACING (MAINTENANCE OF TRAFFIC)		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4.0% @ 70 GYR.	QC/OA
HMA REPLACEMENT OVER PATCHES		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4.0% @ 70 GYR.	QC/OA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm)	4.0% @ 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

LOCATION	CUT EARTH EXCAVATION (CU YD)	FILL EMBANKMENT (CU YD)	ADJUSTMENT FOR SHRINKAGE (15%) (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)	REMOVAL & DISPOSAL UNSUITABLE MATERIAL (CU YD)
IL 131 (STA. 1791+84.52 TO STA. 1814+76.37)	4805	910	4084.3	3174.3	297
PR KENOSHA RD (STA 4+23.95 TO STA 13+45)	3303	463	2807.6	2344.6	549
EX KENOSHA RD (STA 1000+42.11 TO STA 1013+45)	0	686	0.0	-686.0	0
TOTAL	8108	2059	6891.8	4832.8	846

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE AC TYPE FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS; PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

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PROJECT CONTACT: bhartma
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
ILLINOIS ROUTE 131 & KENOSHA ROAD**

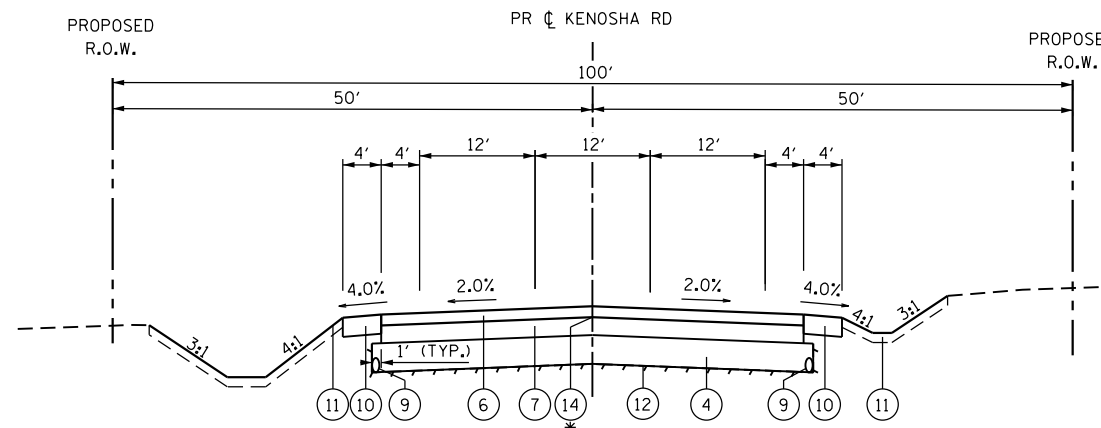
SCALE: NTS

SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	12
CONTRACT NO. 62B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROPOSED LEGEND

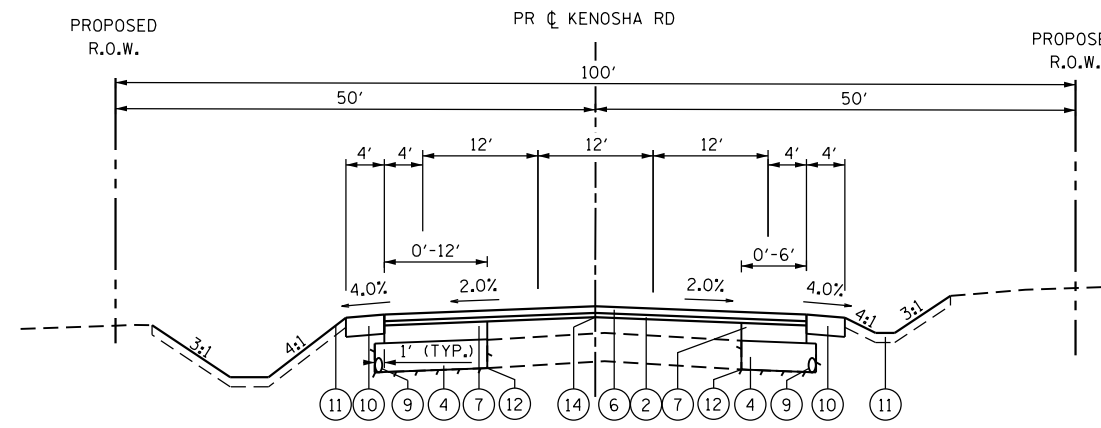
- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2"
- ② POLYMERIZED LEVELING BINDER, (M.M.), IL-4.75, N50; 1"
- ③ HOT-MIX ASPHALT BASE COURSE; 8 1/4"
- ④ AGGREGATE SUBGRADE IMPROVEMENT, 12" (SO YD)
- ⑤ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2"
- ⑦ HOT-MIX ASPHALT BASE COURSE; 7 1/2"
- ⑧ HOT-MIX ASPHALT BASE CSE WIDENING 8 1/4"
- ⑨ PIPE UNDERDRAINS, TYPE 2, 4"
- ⑩ AGGREGATE SHOULDER, 6"
- ⑪ TOPSOIL, F & P 4" SEEDING CLASS 2A
- ⑫ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑬ TOPSOIL, F & P 12" SEEDING CLASS 4 (MODIFIED) SEEDING CLASS 5 (MODIFIED)
- ⑭ LONGITUDINAL JOINT SEALANT



PROPOSED TYPICAL SECTION

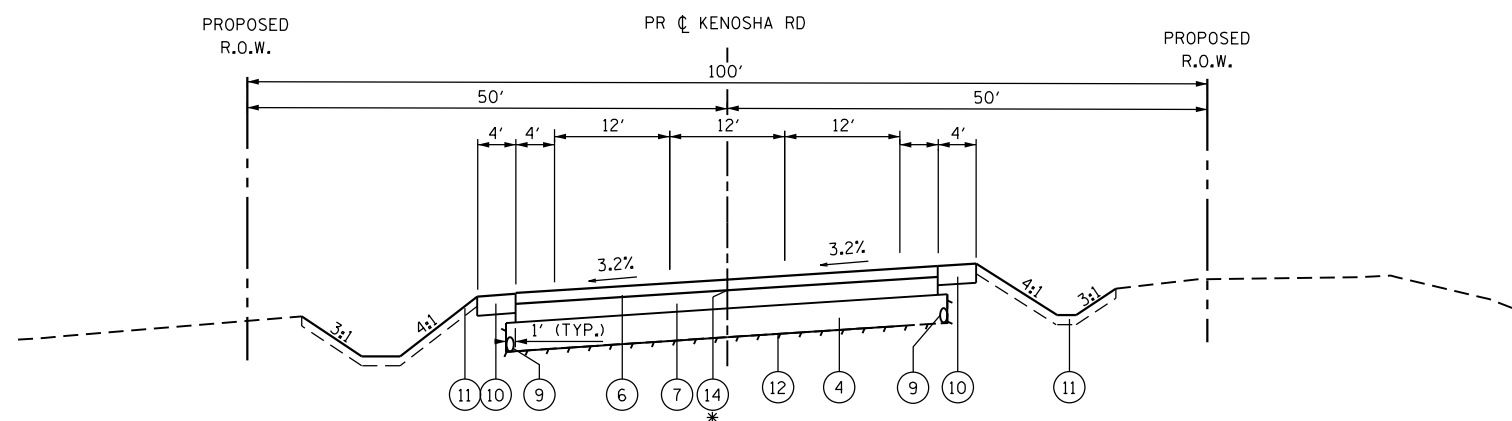
KENOSHA ROAD
STA 4+23.95 TO STA 6+76.38
STA 12+66.72 TO STA 13+45

* LONGITUDINAL JOINT SEALANT TO BE PLACED OVER THE HMA BASE COURSE, WHERE THE SURFACE MIX JOINT WILL BE LOCATED



PROPOSED TYPICAL SECTION

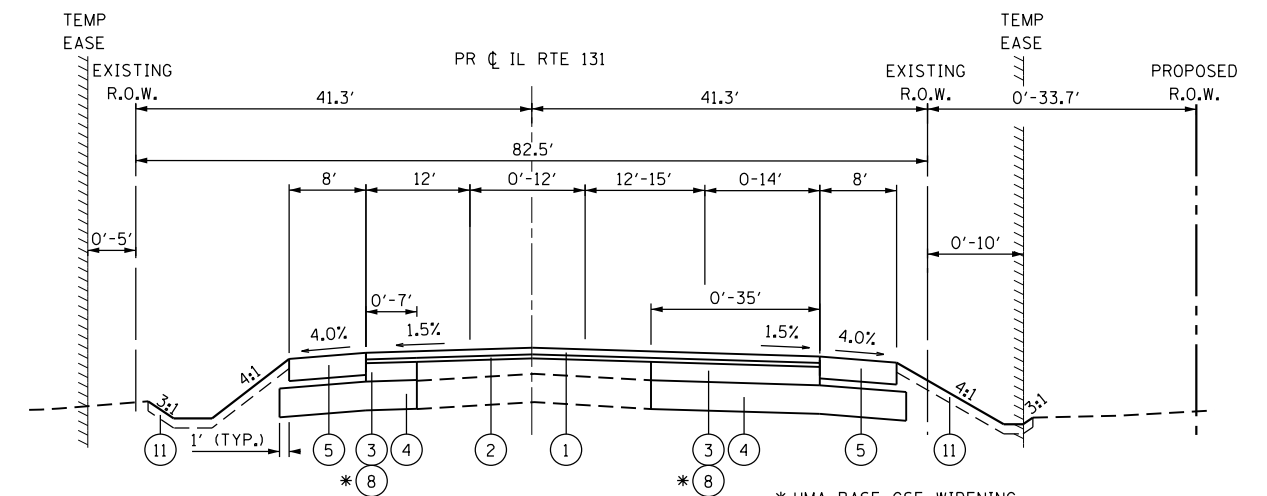
KENOSHA ROAD
STA 12+00 TO STA 13+45



PROPOSED TYPICAL SECTION

KENOSHA ROAD
STA 6+76.38 TO STA 12+66.72

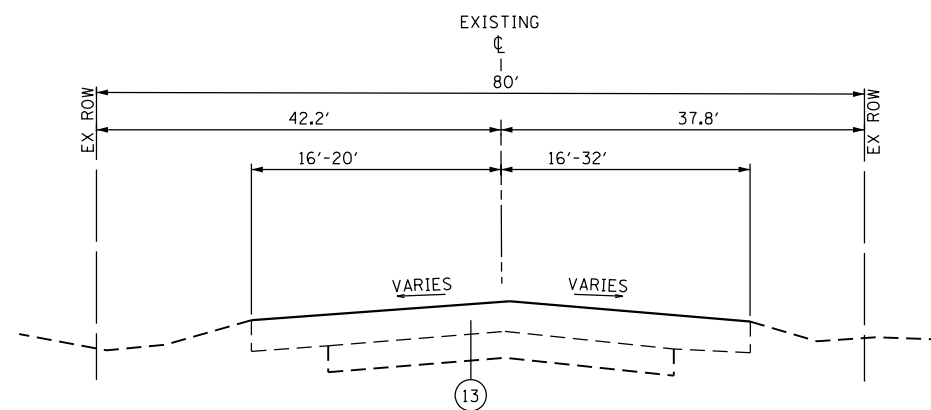
* LONGITUDINAL JOINT SEALANT TO BE PLACED OVER THE HMA BASE COURSE, WHERE THE SURFACE MIX JOINT WILL BE LOCATED



PROPOSED TYPICAL SECTION

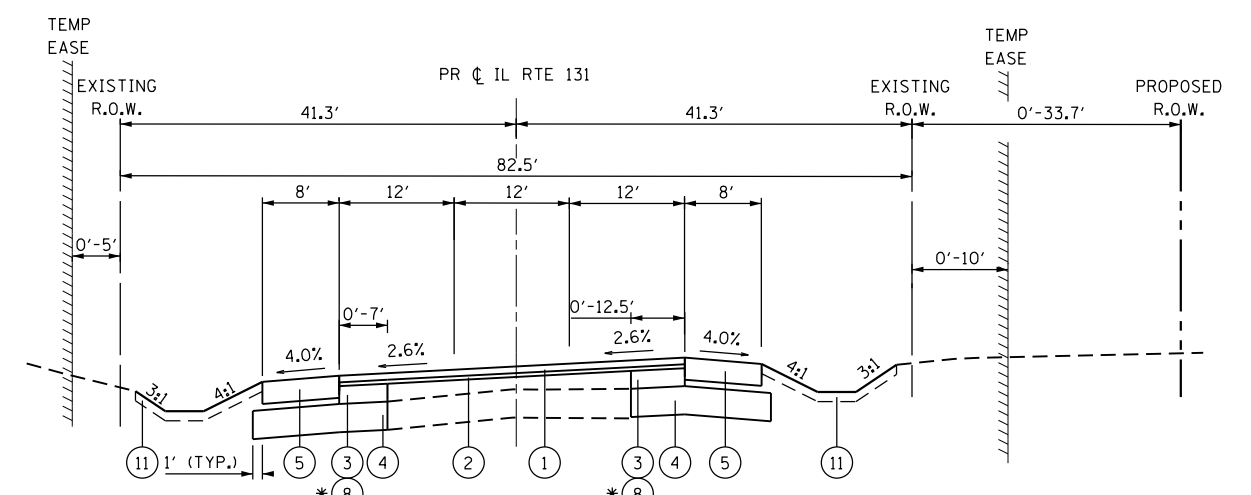
ILLINOIS ROUTE 131
STA 1791+84.52 TO STA 1797+27.56
STA 1804+72.36 TO STA 1814+76.37

* HMA BASE CSE WIDENING
STA. 1791+84.52 TO 1795+50.00
STA. 1810+00.00 TO STA. 1814+76.37



PROPOSED TYPICAL SECTION

EX KENOSHA ROAD
STA 1000+42.11 TO STA 1010+49



PROPOSED TYPICAL SECTION

ILLINOIS ROUTE 131
STA 1797+27.56 TO STA 1804+72.36

* HMA BASE CSE WIDENING
STA. 1797+27.56 TO 1803+41.42

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PROJECT CONTACT: bhartma
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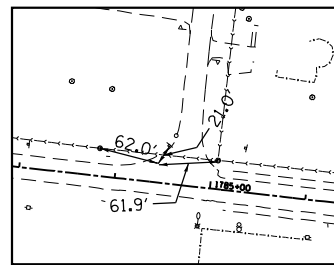
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

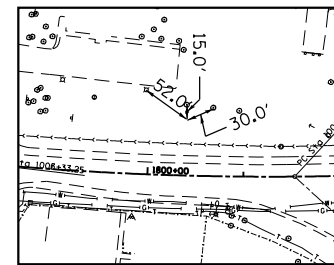
PROPOSED TYPICAL SECTIONS
ILLINOIS ROUTE 131 & KENOSHA ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	13
CONTRACT NO. 62B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



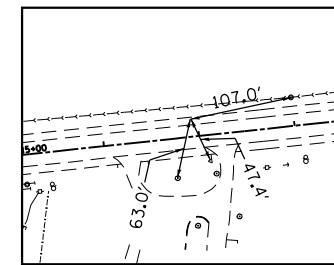
CONTROL POINT 1
SET NAIL IN PAVEMENT
STA. 1784+42.90, 19.93' LT
ELEV. 742.30



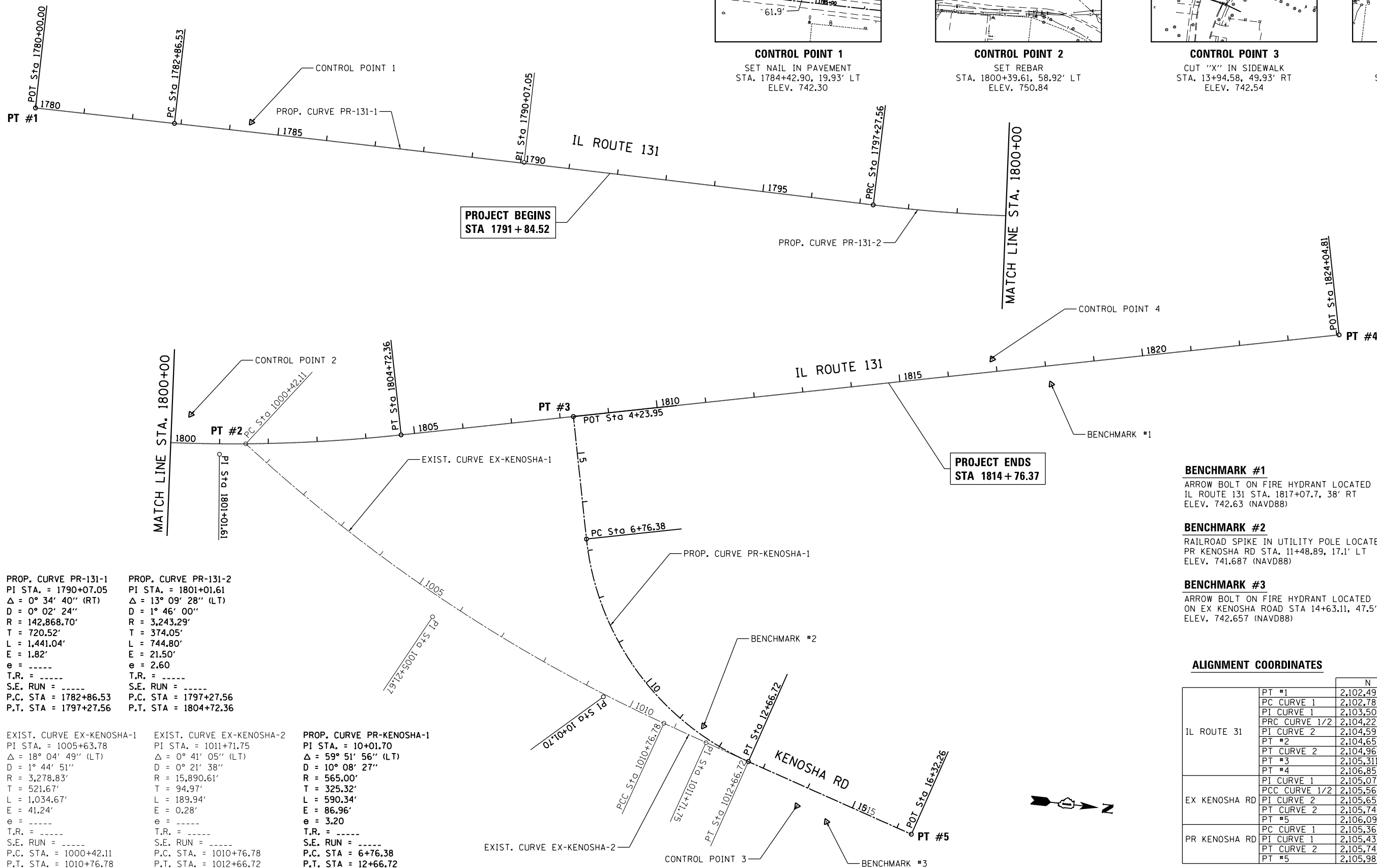
CONTROL POINT 2
SET REBAR
STA. 1800+39.61, 58.92' LT
ELEV. 750.84



CONTROL POINT 3
CUT "X" IN SIDEWALK
STA. 13+94.58, 49.93' RT
ELEV. 742.54



CONTROL POINT 4
SET REBAR
STA. 1816+92.91, 18.52' LT
ELEV. 740.09



PROP. CURVE PR-131-1
PI STA. = 1790+07.05
 $\Delta = 0^\circ 34' 40''$ (RT)
D = $0^\circ 02' 24''$
R = 142,868.70'
T = 720.52'
L = 1,441.04'
E = 1.82'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 1782+86.53
P.T. STA. = 1797+27.56

PROP. CURVE PR-131-2
PI STA. = 1801+01.61
 $\Delta = 13^\circ 09' 28''$ (LT)
D = $1^\circ 46' 00''$
R = 3,243.29'
T = 374.05'
L = 744.80'
E = 21.50'
e = 2.60
T.R. = ----
S.E. RUN = ----
P.C. STA. = 1797+27.56
P.T. STA. = 1804+72.36

EXIST. CURVE EX-KENOSHA-1
PI STA. = 1005+63.78
 $\Delta = 18^\circ 04' 49''$ (LT)
D = $1^\circ 44' 51''$
R = 3,278.83'
T = 521.67'
L = 1,034.67'
E = 41.24'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 1000+42.11
P.T. STA. = 1010+76.78

EXIST. CURVE EX-KENOSHA-2
PI STA. = 1011+71.75
 $\Delta = 0^\circ 41' 05''$ (LT)
D = $0^\circ 21' 38''$
R = 15,890.61'
T = 94.97'
L = 189.94'
E = 0.28'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 1010+76.78
P.T. STA. = 1012+66.72

PROP. CURVE PR-KENOSHA-1
PI STA. = 10+01.70
 $\Delta = 59^\circ 51' 56''$ (LT)
D = $10^\circ 08' 27''$
R = 565.00'
T = 325.32'
L = 590.34'
E = 86.96'
e = 3.20
T.R. = ----
S.E. RUN = ----
P.C. STA. = 6+76.38
P.T. STA. = 12+66.72

BENCHMARK #1

ARROW BOLT ON FIRE HYDRANT LOCATED ON IL ROUTE 131 STA. 1817+07.7, 38' RT ELEV. 742.63 (NAVD88)

BENCHMARK #2

RAILROAD SPIKE IN UTILITY POLE LOCATED ON PR KENOSHA RD STA. 11+48.89, 17.1' LT ELEV. 741.687 (NAVD88)

BENCHMARK #3

ARROW BOLT ON FIRE HYDRANT LOCATED ON EX KENOSHA ROAD STA 14+63.11, 47.5' RT ELEV. 742.657 (NAVD88)

ALIGNMENT COORDINATES

ALIGNMENT	POINT / CURVE	COORDINATES		STATION
		N	E	
IL ROUTE 31	PT #1	2,102,497.74	1,107,664.79	1780+00.00
	PC CURVE 1	2,102,784.24	1,107,664.65	1782+86.53
	PI CURVE 1	2,103,504.79	1,107,664.31	1790+07.05
	PRC CURVE 1/2	2,104,225.28	1,107,671.23	1797+27.56
	PT #2	2,104,650.41	1,107,648.29	1801+53.62
EX KENOSHA RD	PT #3	2,104,964.50	1,107,594.78	1804+72.36
	PT #4	2,105,311.16	1,107,518.04	1808+27.42
	PT #5	2,106,851.27	1,107,177.08	1824+04.81
	PI CURVE 1	2,105,070.21	1,107,957.98	1005+63.78
	PCC CURVE 1/2	2,105,565.40	1,108,122.10	1010+76.78
PR KENOSHA RD	PI CURVE 2	2,105,655.55	1,108,151.97	1011+71.75
	PT CURVE 2	2,105,746.05	1,108,180.77	1012+66.72
	PT #5	2,106,094.38	1,108,291.61	1016+32.26
	PC CURVE 1	2,105,365.73	1,107,764.50	6+76.38
	PI CURVE 1	2,105,436.04	1,108,082.13	10+01.70
PR KENOSHA RD	PT CURVE 2	2,105,746.05	1,108,180.77	12+66.72
	PT #5	2,105,984.28	1,108,256.58	16+32.26

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DRAWN - DMS
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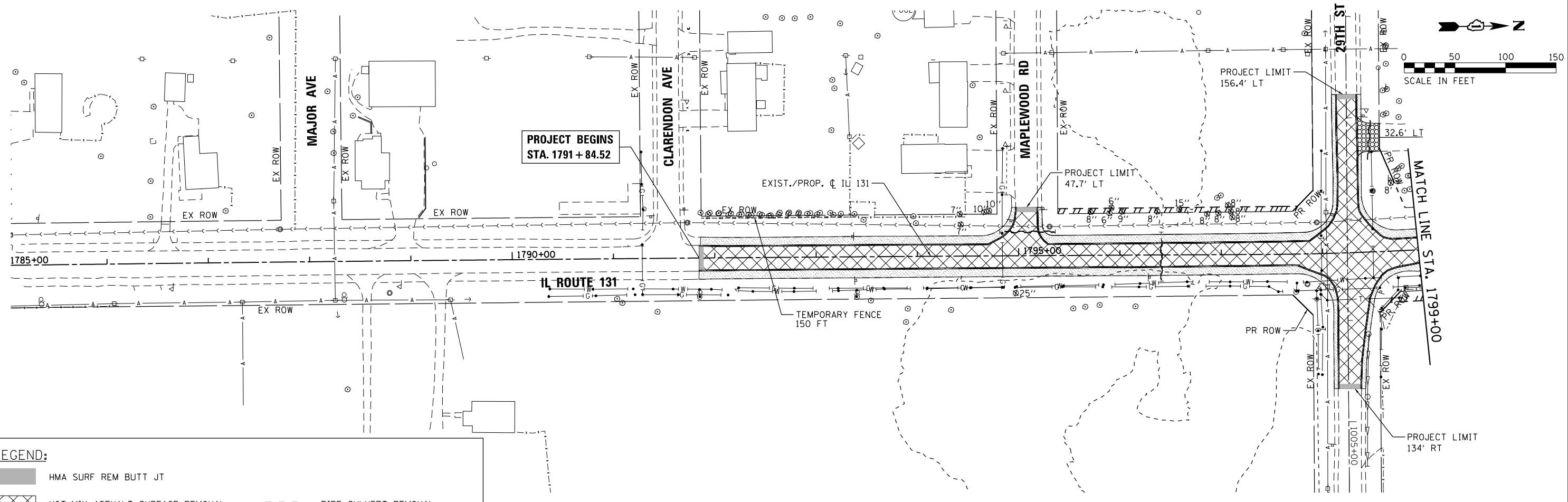
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS
ILLINOIS ROUTE 131 & KENOSHA ROAD**

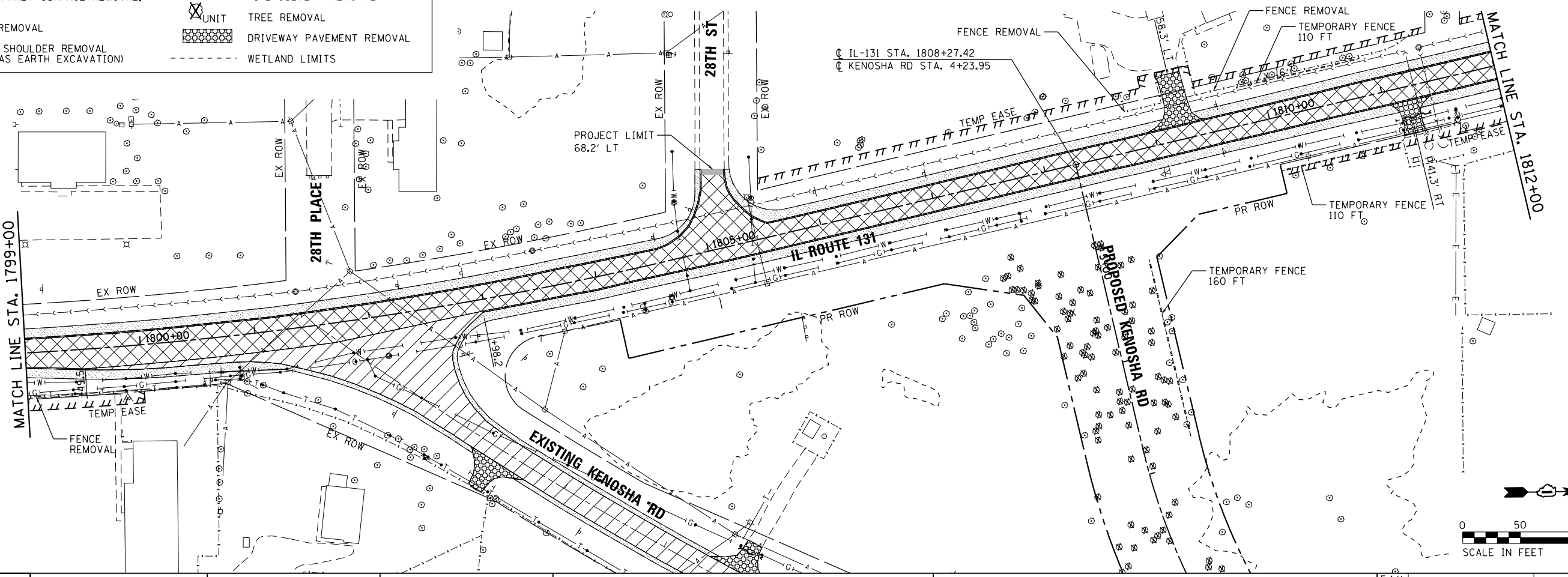
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	14
CONTRACT NO. 62B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND:

	HMA SURF REM BUTT JT		PIPE CULVERT REMOVAL UNIT
	HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH		TREE REMOVAL
	PAVEMENT REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)		WETLAND LIMITS



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 #184-001322

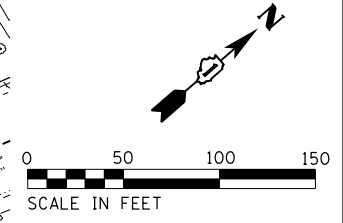
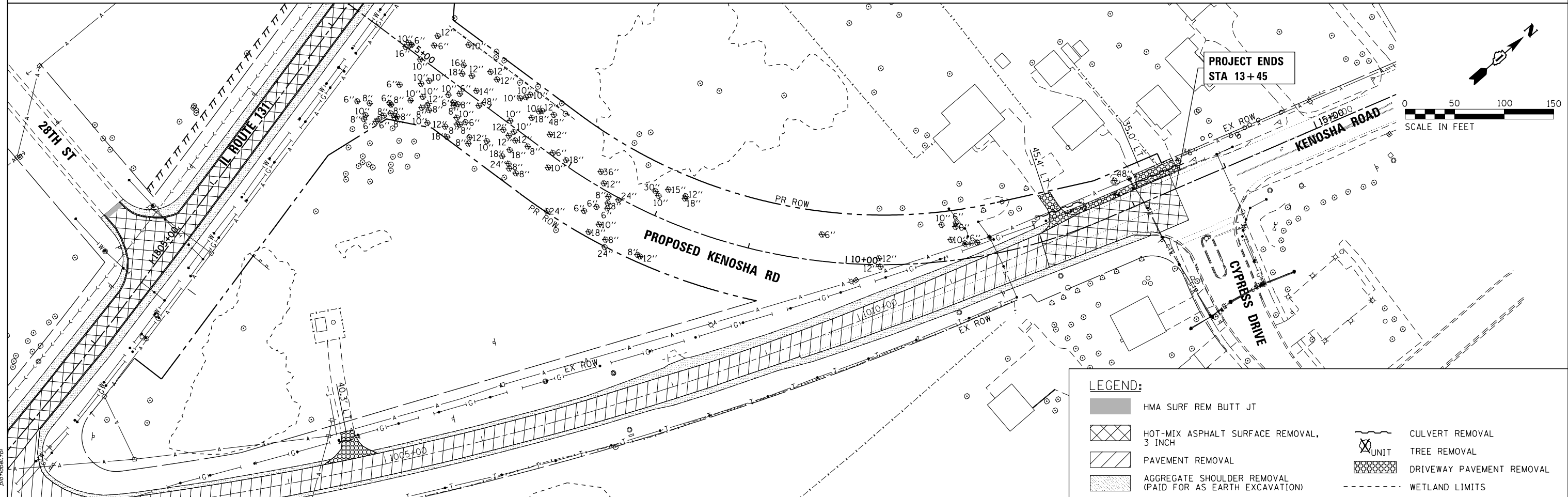
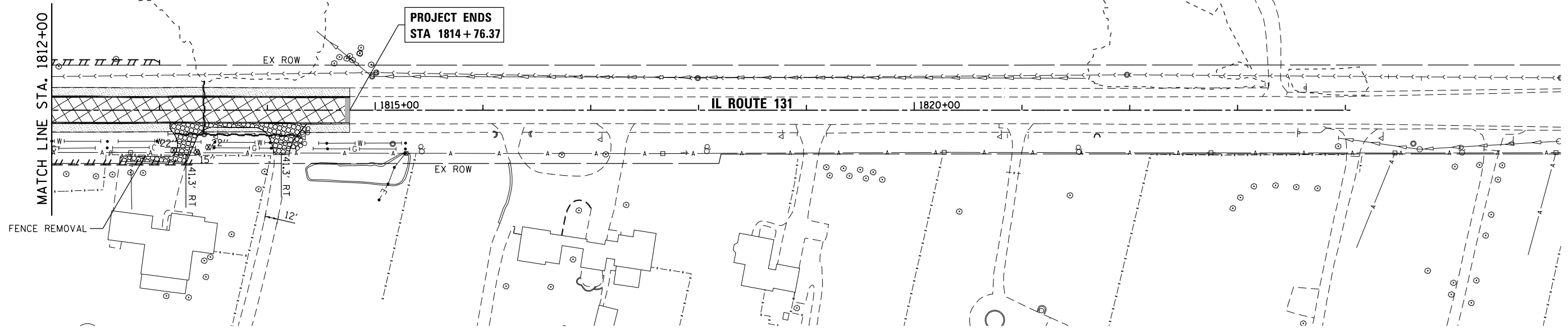
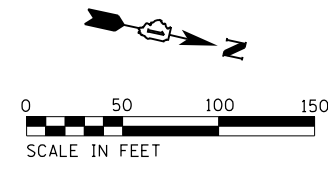
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 131

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. BEG TO STA. 1812+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	15
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62B75	



LEGEND:

	HMA SURF REM BUTT JT		CULVERT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH		TREE REMOVAL
	PAVEMENT REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)		WETLAND LIMITS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

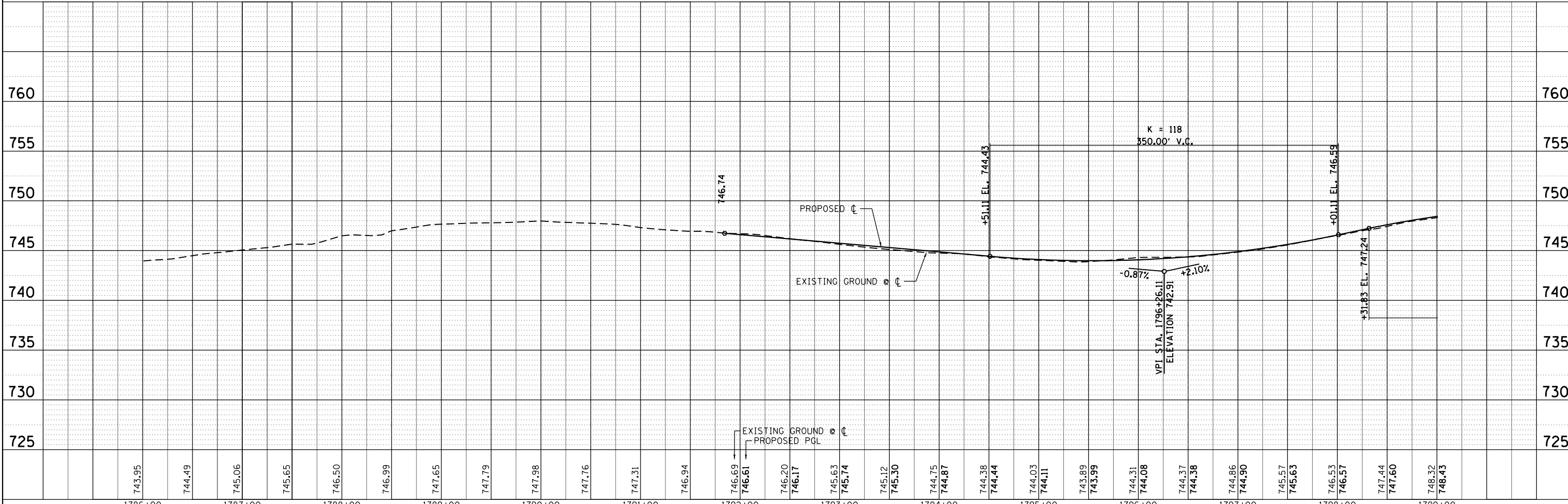
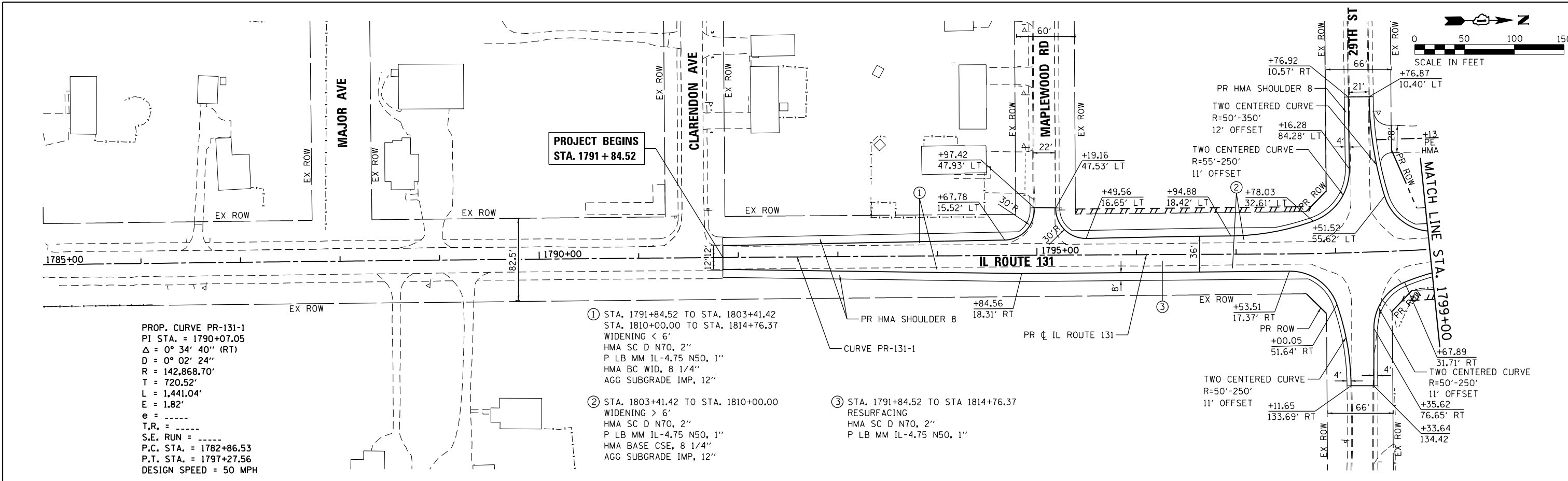
ROADWAY REMOVAL PLAN	
ILLINOIS ROUTE 131 & KENOSHA ROAD	
SCALE: 1" = 50'	SHEET NO. 2 OF 2 SHEETS
STA. 1812+00	TO STA. END

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	16
CONTRACT NO. 62B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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1786+00	1787+00	1788+00	1789+00	1790+00	1791+00	1792+00	1793+00	1794+00	1795+00	1796+00	1797+00	1798+00	1799+00																												
743.95	744.49	745.06	745.65	746.50	746.99	747.65	747.79	747.98	747.76	747.31	746.94	746.69	746.61	746.20	746.17	745.63	745.74	745.12	745.30	744.75	744.87	744.38	744.44	744.03	744.11	743.89	743.99	744.31	744.08	744.37	744.38	744.86	744.90	745.57	745.63	746.53	746.57	747.44	747.60	748.32	748.43

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
ILLINOIS ROUTE 131

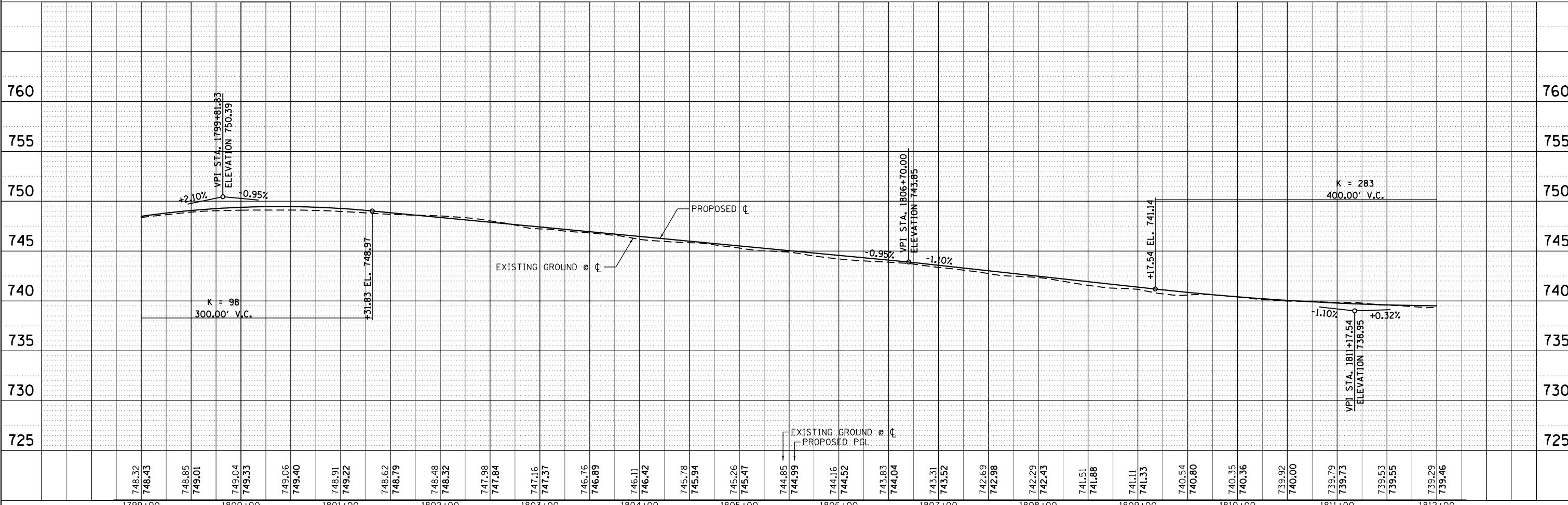
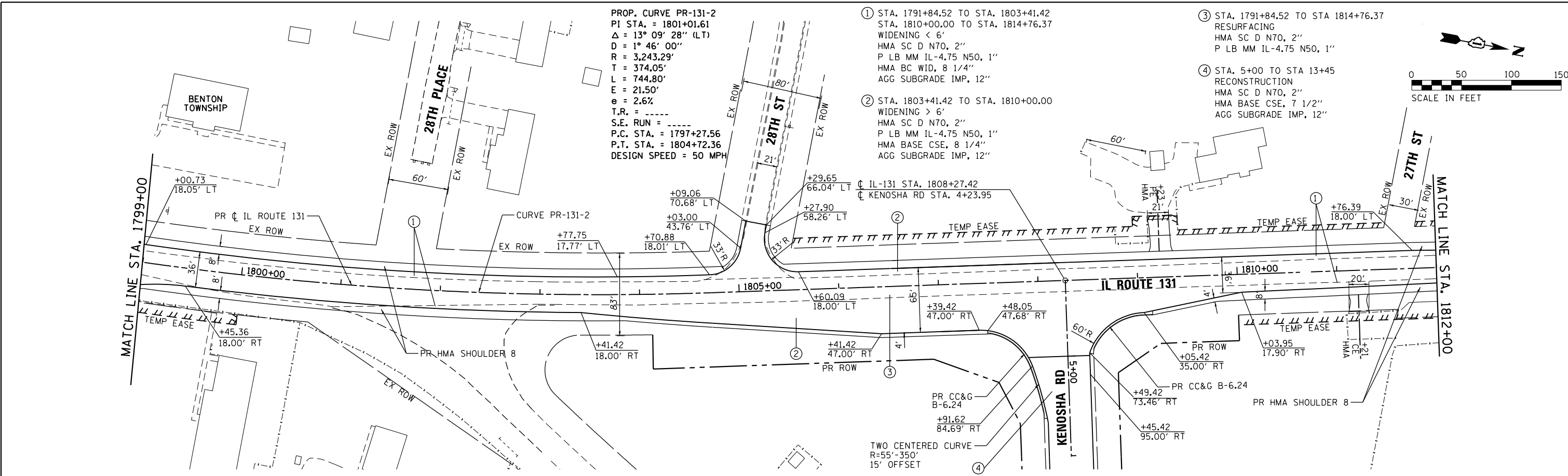
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F.A.U. RTE. 2711	SECTION 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 17
CONTRACT NO. 62B75			ILLINOIS FED. AID PROJECT	

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1799+00	1800+00	1801+00	1802+00	1803+00	1804+00	1805+00	1806+00	1807+00	1808+00	1809+00	1810+00	1811+00	1812+00																																								

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 #184-001322

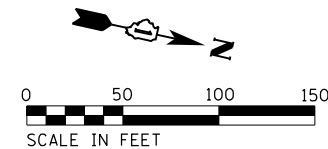
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

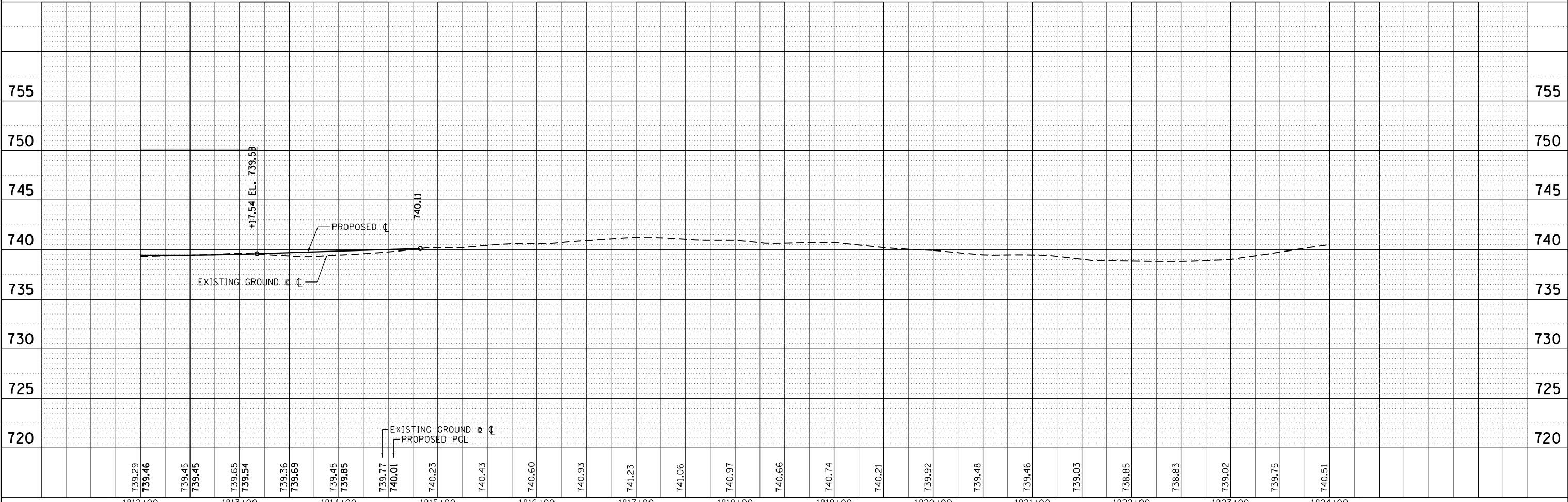
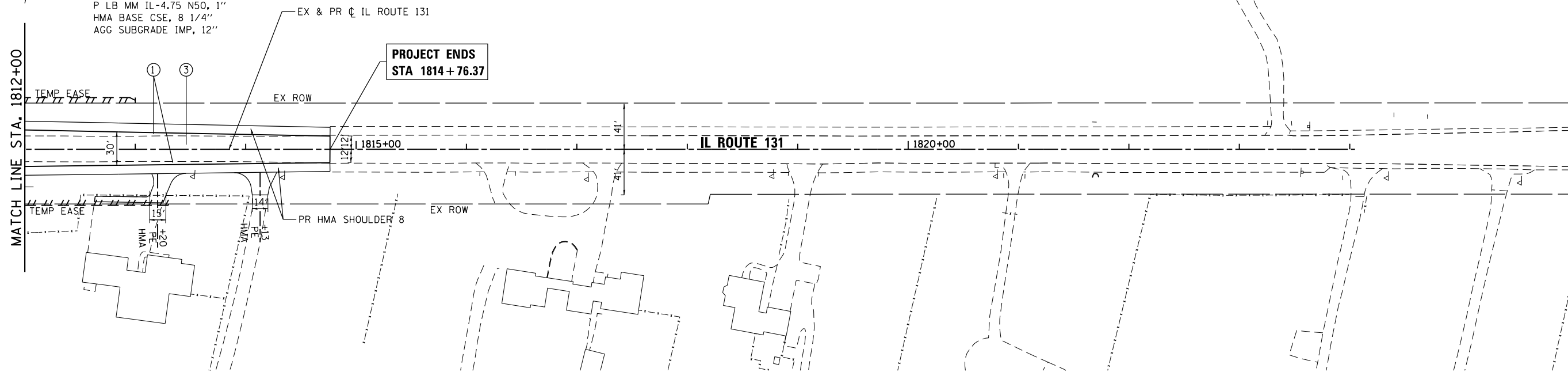
PLAN AND PROFILE
ILLINOIS ROUTE 131

SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 1799+00 TO STA. 1812+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	18
CONTRACT NO.			62B75	
ILLINOIS FED. AID PROJECT				



- ① STA. 1791+84.52 TO STA. 1803+41.42
STA. 1810+00.00 TO STA. 1814+76.37
WIDENING < 6'
HMA SC D N70, 2"
P LB MM IL-4.75 N50, 1"
HMA BC WID, 8 1/4"
AGG SUBGRADE IMP, 12"
- ② STA. 1803+41.42 TO STA. 1810+00.00
WIDENING > 6'
HMA SC D N70, 2"
P LB MM IL-4.75 N50, 1"
HMA BASE CSE, 8 1/4"
AGG SUBGRADE IMP, 12"
- ③ STA. 1791+84.52 TO STA 1814+76.37
RESURFACING
HMA SC D N70, 2"
P LB MM IL-4.75 N50, 1"



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	STRUCTURE		
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	CHRD		
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COMPANY NAME: HRGreen.com
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1812+00	1813+00	1814+00	1815+00	1816+00	1817+00	1818+00	1819+00	1820+00	1821+00	1822+00	1823+00	1824+00																			

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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 ILLINOIS ROUTE 131**

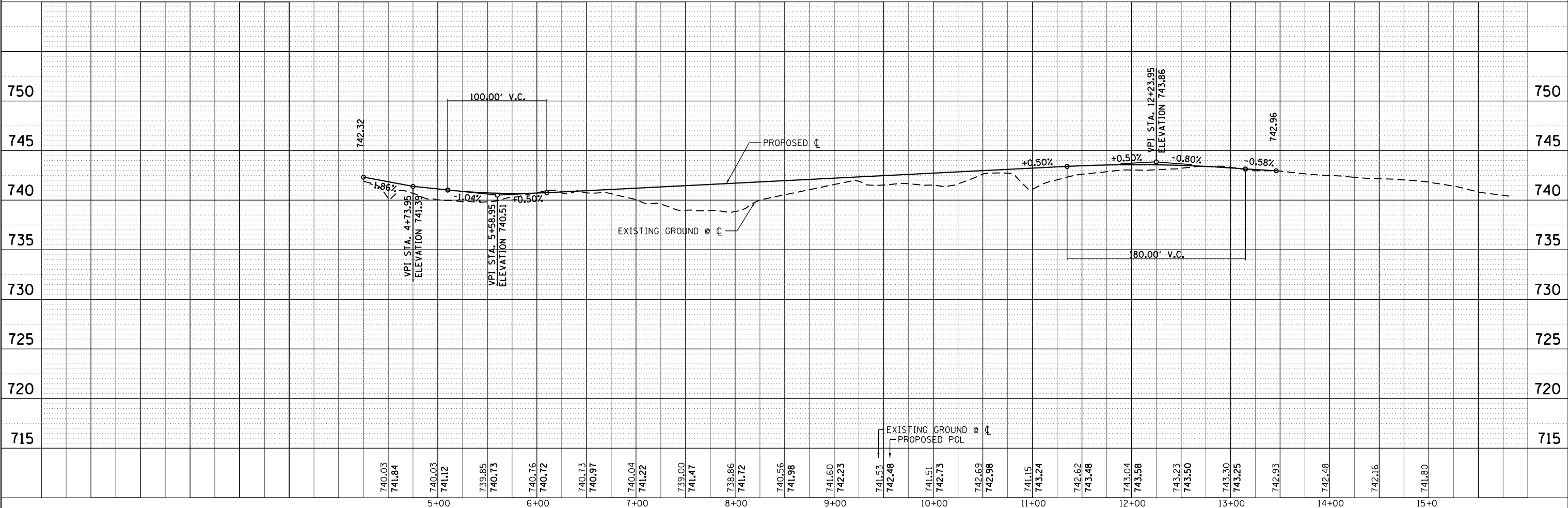
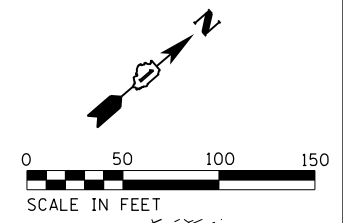
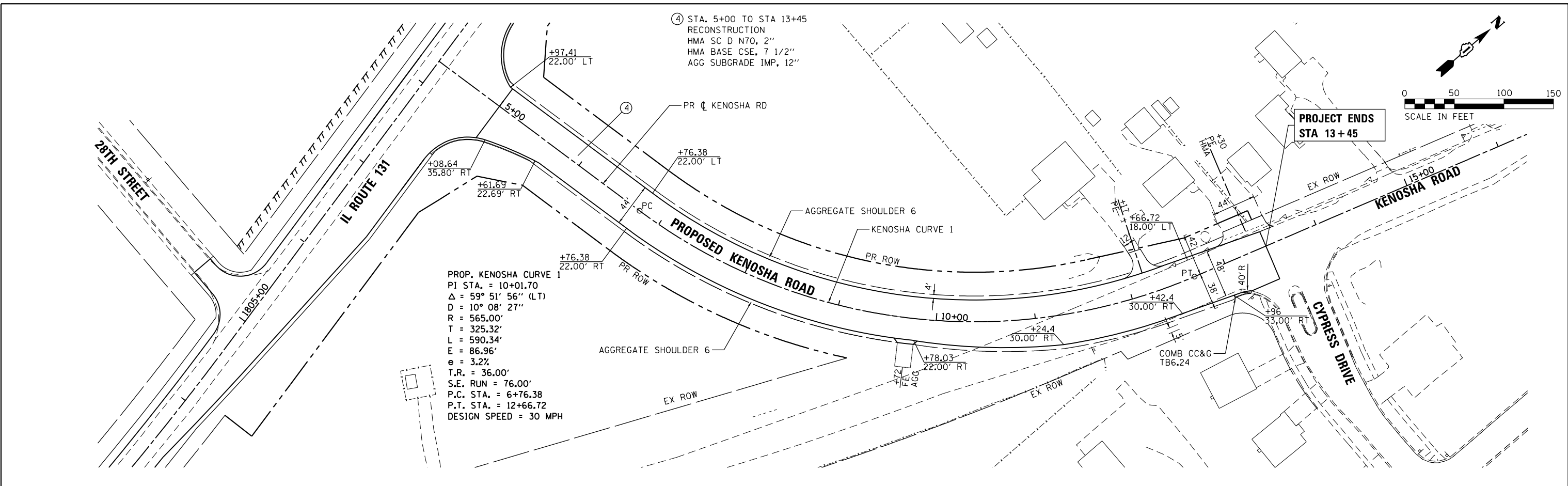
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	19
CONTRACT NO.			62B75	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
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PROFILE	SURVEYED	BY	DATE
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	NOTATIONS		
	CHKD		
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COMPANY NAME: HRGreen.com
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MAINTENANCE OF TRAFFIC GENERAL NOTES

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. ALL TEMPORARY PAVEMENT MARKINGS & TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THE BEGINNING OF EACH STAGE, AND SHALL BE MAINTAINED FOR THE DURATION OF THAT STAGE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

A MINIMUM OF TWO (2) ELEVEN FOOT (11') LANES, ONE IN EACH DIRECTION, SHALL BE KEPT OPEN TO TRAFFIC ON IL ROUTE 131 AND KENOSHA ROAD.

ALL PAVEMENT MARKINGS CONFLICTING WITH STAGED TRAFFIC PATTERNS SHALL BE REMOVED. TYPE III MARKING TAPE SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN WHEN THE TEMPORARY PAVEMENT MARKING WILL CONFLICT WITH THE PERMANENT PAVEMENT MARKING SUCH AS ON TAPERS OR LANE SHIFTS. PAVEMENT MARKING PAINT SHALL BE USED ON ALL SURFACES TO BE REMOVED OR COVERED WITH SURFACE COURSE.

ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES DURING CONSTRUCTION OPERATIONS WITH THE USE OF AGGREGATE FOR TEMPORARY ACCESS AND/OR BY CONSTRUCTING ONE HALF OF PROPOSED DRIVEWAYS AT A TIME.

PROVIDE TEMPORARY HMA RAMP WEDGE TO TRANSITION THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION BETWEEN THE NEW CONSTRUCTION AND THE EXISTING PAVEMENT. ANY PAVEMENT DROP-OFFS GREATER THAN 3 INCHES IMMEDIATELY ADJACENT TO TRAFFIC SHALL NOT BE LEFT OVERNIGHT. PROVIDE TEMPORARY HMA RAMP WEDGE OR OTHER MITIGATING MEASURES APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES ARE TO BE PLACED AT SAME LEVEL AS TRAVELING LANE OR SHOULDER PROFILE.

CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. THE REFLECTIVE AREA AND WARNING LIGHT SHALL BE RAISED TO THE ELEVATION ABOVE THE TRAVELING LANE OR SHOULDER PROFILE AS REQUIRED BY STANDARD 701901.

CHANNELIZING DEVICES ARE TO BE PLACED AT THE SAME LEVEL AS SIDE SLOPE PROFILE TO BE FULLY VISIBLE.

DROP-OFFS GREATER THAN 18 IN. SHALL NOT BE EXPOSED TO TRAFFIC FOR GREATER THAN 48 HRS. ADDITIONALLY, PYLONS OF FLASHING LIGHTS SHALL BE PLACED AT DROP-OFFS GREATER THAN 18 IN.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.

TYPE II BARRICADES EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS SHALL BE PLACED ALONG THE ROADWAY AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. TYPE II BARRICADES WITH DIRECTIONAL ARROWS SHALL BE PLACED AT LANE SHIFTS (TAPER SECTIONS) AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER. BARRICADES WITH LEG EXTENSIONS SHALL BE USED WHERE NEEDED TO PROVIDE A MINIMUM DISTANCE OF 36" BETWEEN THE PAVEMENT AND TOP OF BARRICADE. BARRICADES IN TAPER SECTIONS SHALL HAVE DIRECTION INDICATOR PANELS. ALL TYPE II BARRICADES SHALL BE NON-METALLIC.

THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGES IN STAGING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.

TEMPORARY SIGNING, AS SHOWN, SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE SPECIAL PROVISIONS AND CONTRACT PLANS OR AS DIRECTED BY THE ENGINEER.

ALL "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS.

ROAD NAME PLATES SHALL BE INSTALLED ON "ROAD CONSTRUCTION AHEAD" SIGNS AT INTERSECTIONS SHOWN ON THE PLANS.

EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION, ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY HIS WORK SHALL BE REPLACED BY THE CONTRACTOR.

TRAFFIC CONTROL DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS IS THE MINIMUM REQUIREMENT. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC STAGING NOTES

PRE-STAGE

TRAFFIC MAINTAINED ON EXISTING PAVEMENT ON ILLINOIS ROUTE 131 AND KENOSHA ROAD

MAINTENANCE OF TRAFFIC

WORK TO BE COMPLETED UNDER TEMPORARY LANE CLOSURES PER APPLICABLE IDOT HIGHWAY STANDARDS.

CONSTRUCTION

1. CONSTRUCT TEMPORARY WIDENING ON WEST SIDE OF ILLINOIS ROUTE 131.
2. PRIOR TO PLACEMENT OF TEMPORARY CONCRETE BARRIER ALONG OUTSIDE EDGE OF NORTHBOUND ILLINOIS ROUTE 131 TRAVEL LANE, CONTRACTOR TO INSTALL HMA BINDER COURSE SECTION AS INDICATED IN THE TYPICAL SECTION. WORK TO BE COMPLETED UNDER TEMPORARY LANE CLOSURES WITH IDOT STANDARD 701326.

STAGE 1

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 1 CONSTRUCTION

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326 FOR ILLINOIS ROUTE 131 AND IDOT STANDARD 701501 FOR KENOSHA ROAD.

MAINTAIN TRAFFIC AT INTERSECTION IN ACCORDANCE WITH IDOT STANDARD 701701.

MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH TEMPORARY ACCESS (EACH).

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON THE EAST SIDE OF ILLINOIS ROUTE 131 AND THE PROPOSED KENOSHA ROAD RELOCATION.

1. INSTALL PROPOSED DITCH GRADING AND STORM SEWER IN WORK ZONES.
2. CONSTRUCT PROPOSED HMA BASE COURSE AND HMA LEVELING BINDER ON EAST SIDE OF ILLINOIS ROUTE 131 AND FULL PAVEMENT WIDTH ON PROPOSED KENOSHA ROAD.
3. CONSTRUCT HMA SHOULDERS ON EAST SIDE OF ILLINOIS ROUTE 131 AND HMA SHOULDERS AND AGGREGATE SHOULDERS ON BOTH SIDES OF PROPOSED KENOSHA ROAD.
4. CONSTRUCT SIDE ROADS, DRIVEWAYS AND ENTRANCES.
5. EARTHWORK AND GRADING FOR WORK ZONE AREAS.

STAGE 2

TRAFFIC MAINTAINED ON EXISTING PAVEMENT ON ILLINOIS ROUTE 131 AND ON PROPOSED PAVEMENT OF KENOSHA ROAD

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701326 FOR ILLINOIS ROUTE 131 AND IDOT STANDARD 701501 FOR KENOSHA ROAD.

MAINTAIN TRAFFIC AT INTERSECTION IN ACCORDANCE WITH IDOT STANDARD 701701.

MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH TEMPORARY ACCESS (EACH).

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON THE WEST SIDE OF ILLINOIS ROUTE 131 AND THE PROPOSED KENOSHA ROAD RELOCATION.

1. INSTALL PROPOSED DITCH GRADING AND STORM SEWER IN WORK ZONES.
2. CONSTRUCT PROPOSED HMA BASE COURSE AND HMA BINDER COURSE ON WEST SIDE OF ILLINOIS ROUTE 131.
3. CONSTRUCT HMA SHOULDERS ON WEST SIDE OF ILLINOIS ROUTE 131.
4. REMOVE EXISTING KENOSHA ROAD PAVEMENT.
5. CONSTRUCT SIDE ROADS, DRIVEWAYS AND ENTRANCES.
6. EARTHWORK AND GRADING FOR WORK ZONE AREAS.

STAGE 3

TRAFFIC MAINTAINED ON EXISTING PAVEMENT ON ILLINOIS ROUTE 131 AND ON PROPOSED PAVEMENT OF KENOSHA ROAD

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701336 AND 701501 FOR ILLINOIS ROUTE 131 AND KENOSHA ROAD.

MAINTAIN TRAFFIC AT INTERSECTION IN ACCORDANCE WITH IDOT STANDARD 701701.

MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH TEMPORARY ACCESS (EACH).

LANE CLOSURES SHALL ONLY OCCUR DURING DAYTIME OPERATIONS.

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON ILLINOIS ROUTE 131 AND PROPOSED KENOSHA ROAD RELOCATION.

1. PERFORM HOT-MIX ASPHALT SURFACE REMOVAL 3" ON ILLINOIS ROUTE 131.
2. OVERLAY ILLINOIS ROUTE 131 AND KENOSHA ROAD.
3. INSTALL PROPOSED TRAFFIC SIGNALS AND PAVEMENT MARKING.
4. FINAL GRADING OF PARKWAY LANDSCAPE RESTORATIONS.

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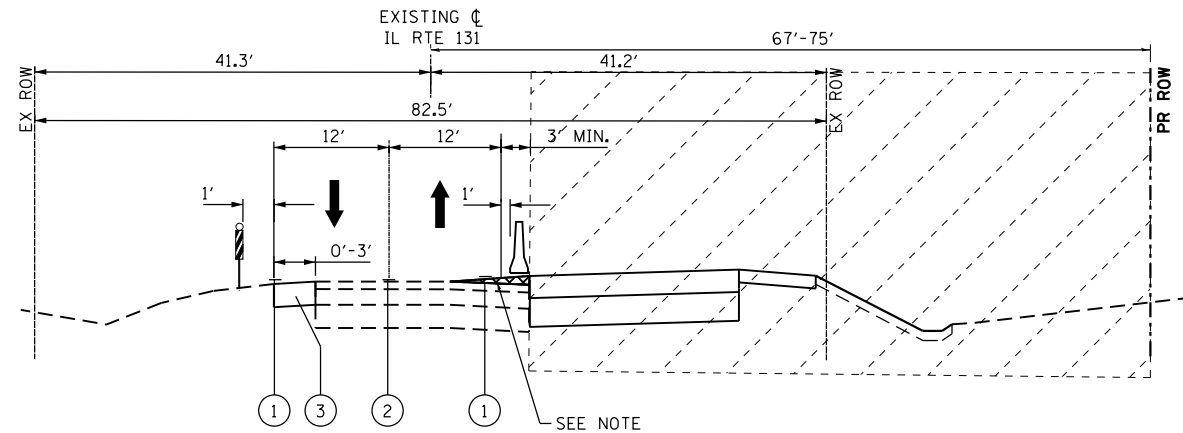
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL
 GENERAL NOTES**

SCALE: NTS SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	21
CONTRACT NO.				62875
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

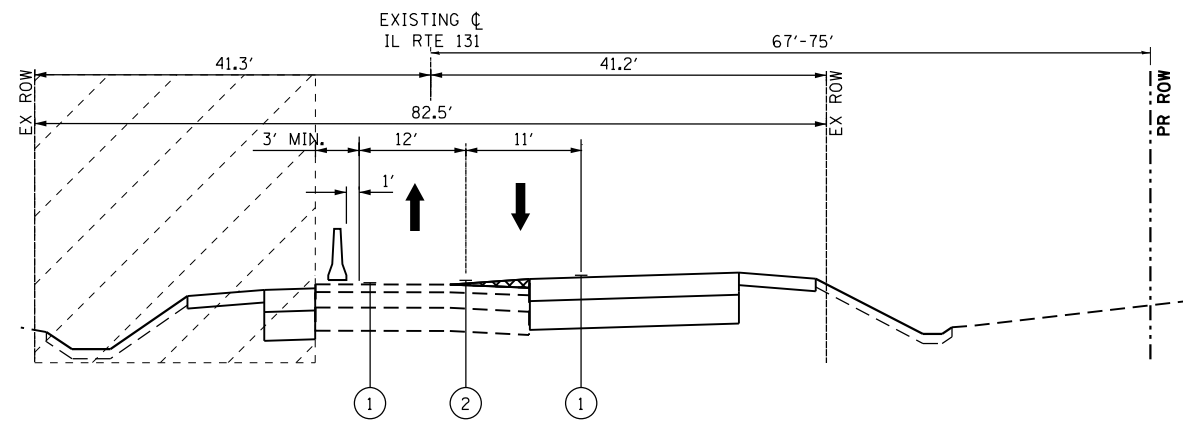


STAGE 1 TYPICAL SECTION

IL ROUTE 131
STA 1798+00 TO STA 1805+00

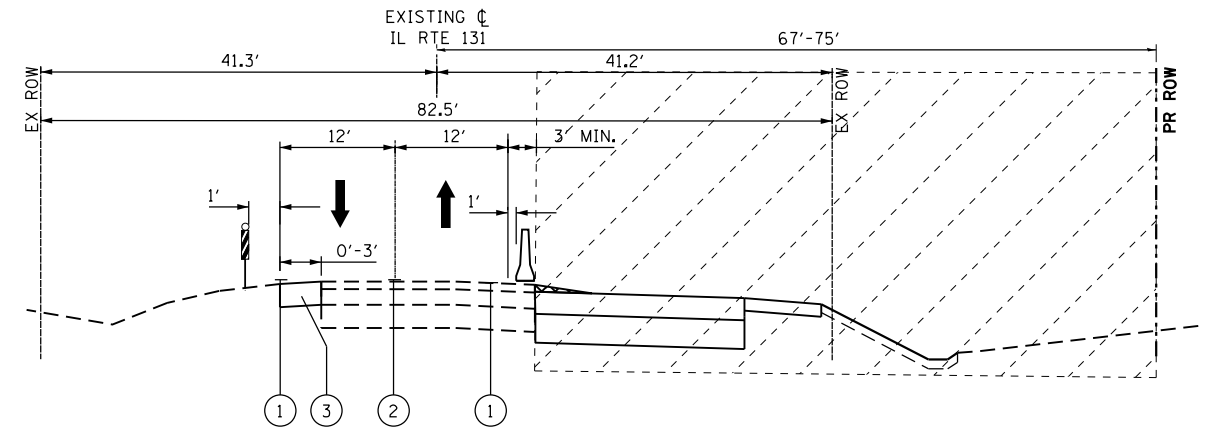
NOTE:

PRIOR TO INSTALLING TEMPORARY CONCRETE BARRIER, THE CONTRACTOR MUST PLACE "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70".



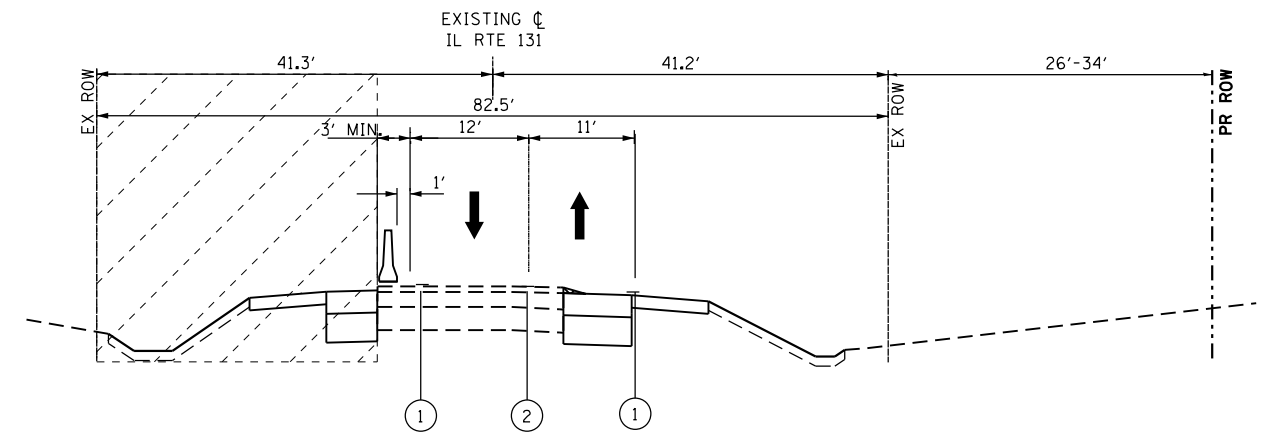
STAGE 2 TYPICAL SECTION

IL ROUTE 131
STA 1798+00 TO STA 1805+00



STAGE 1 TYPICAL SECTION

IL ROUTE 131
STA 1791+84.52 TO 1798+00
STA 1805+00 TO STA 1814+76.37



STAGE 2 TYPICAL SECTION

IL ROUTE 131
STA 1791+84.52 TO STA 1814+76.37

MAINTENANCE OF TRAFFIC NOTES:

1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
3. IN ACCORDANCE WITH ARTICLE 701.08 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR MAY ONLY WORK ON ONE SIDE OF THE ROADWAY AT A TIME.

LEGEND:

- ① MODIFIED URETHANE
4" SOLID WHITE EDGE LINE
- ② MODIFIED URETHANE
4" SOLID DOUBLE YELLOW @ 11" C-C
- ③ TEMPORARY PAVEMENT
- TEMPORARY CONCRETE BARRIER
(SEE NOTE 3) W/ DOUBLE SIDED TY-C
CRYSTAL MARKERS
- DOUBLE VERTICAL PANELS WITH
BI-DIRECTIONAL LIGHTING
- DIRECTION OF TRAVEL
- WORK ZONE

COMPANY NAME: HRGreen.com
PROJECT CONTACT: bhartma
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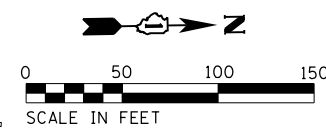
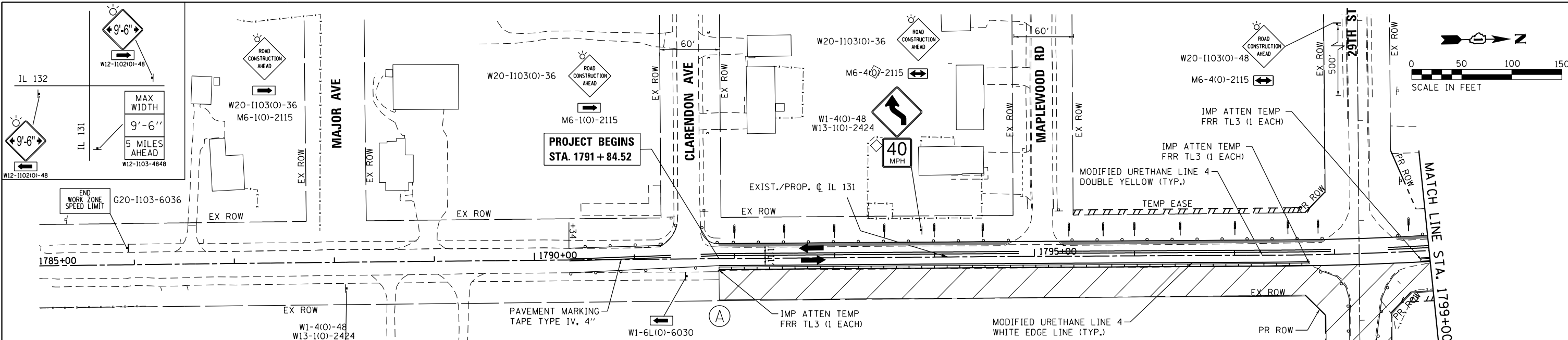
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION








**SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL
TYPICAL SECTIONS**

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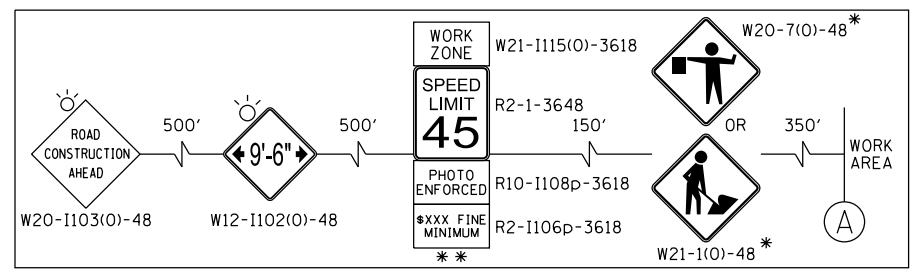
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2711	32-N-6(15)	LAKE	105	22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B75	



LEGEND:

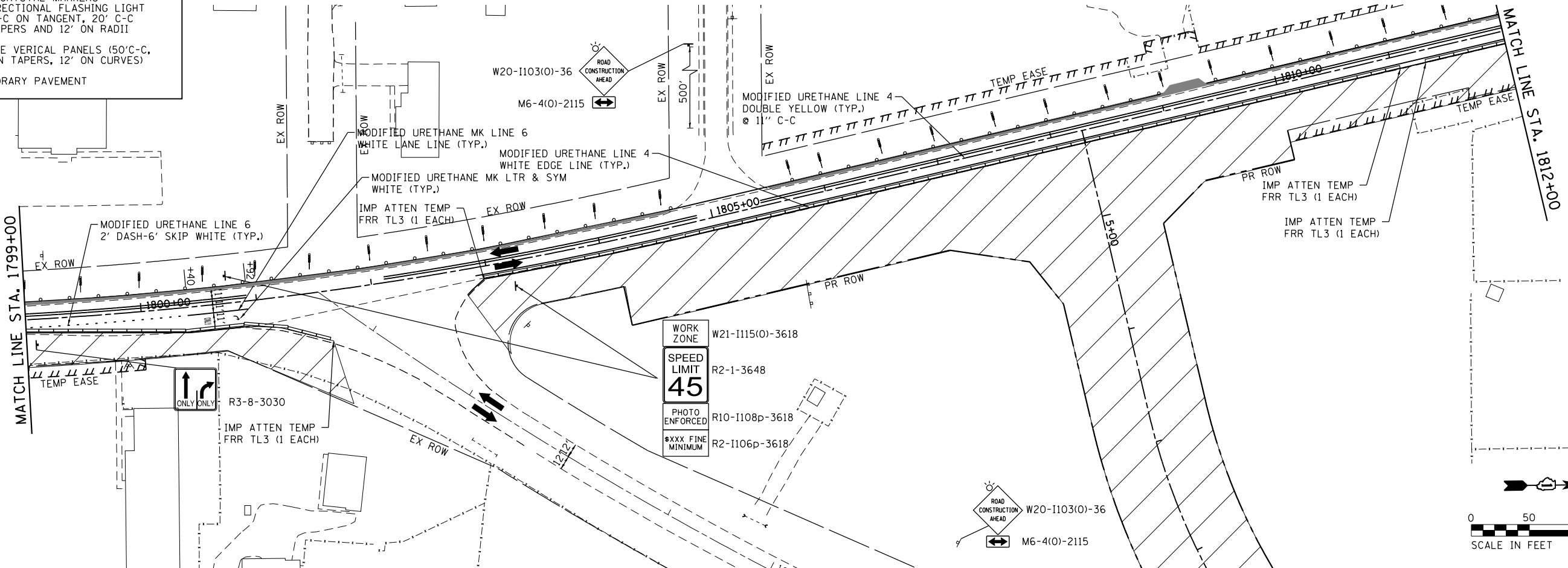
-  WORK ZONE
-  DIRECTION OF TRAFFIC
-  MAINTENANCE OF TRAFFIC SIGN
-  TEMPORARY CONCRETE BARRIER
-  DRUMS WITH DOUBLE SIDED TY-C CRYSTAL MARKERS BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII
-  DOUBLE VERTICAL PANELS (50' C-C, 20' ON TAPERS, 12' ON CURVES)
-  TEMPORARY PAVEMENT

ADVANCED SIGNING DETAIL



NOTES:

- * SIGN SHALL BE TAKEN DOWN WHEN WORKERS OR FLAGGERS ARE NOT PRESENT.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



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 PROJECT CONTACT: HRGreen
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 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

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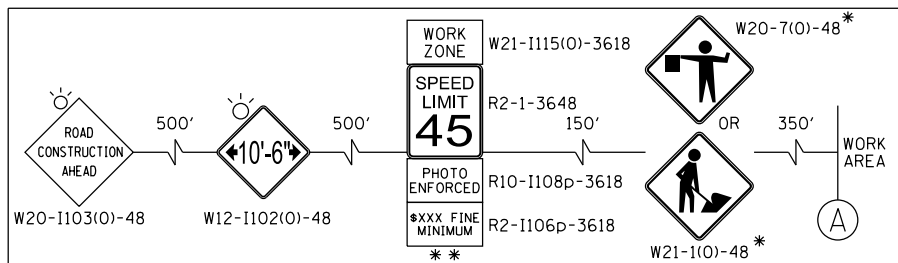
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC – STAGE 1
 ILLINOIS ROUTE 131**

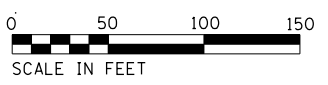
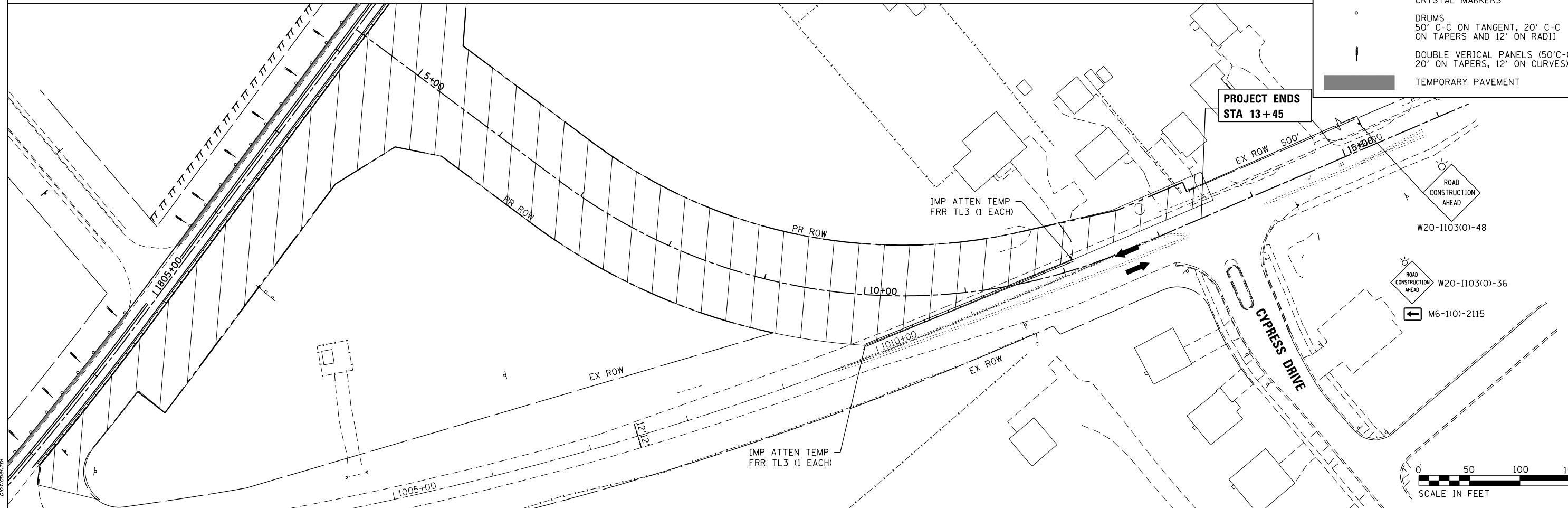
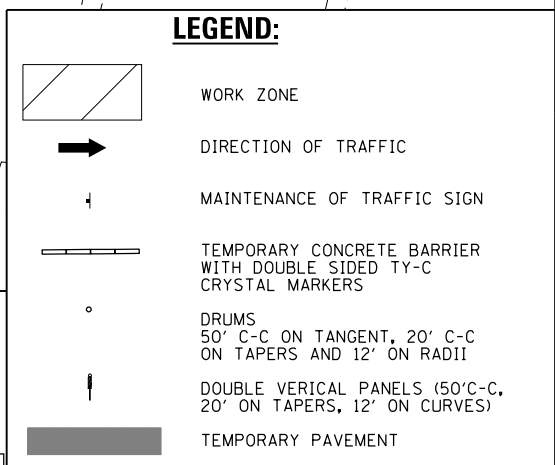
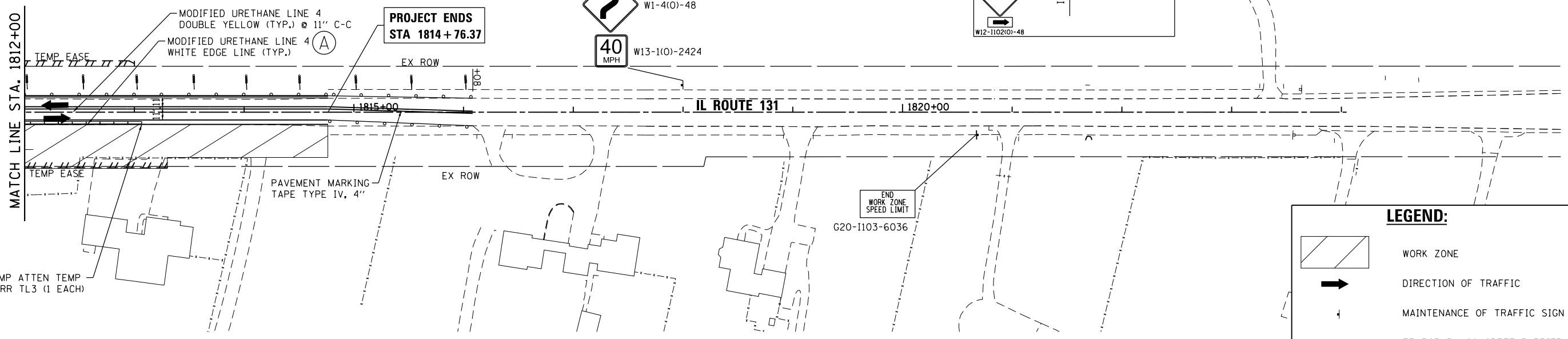
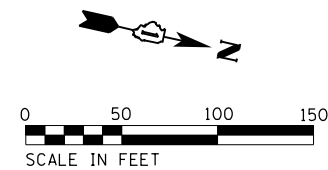
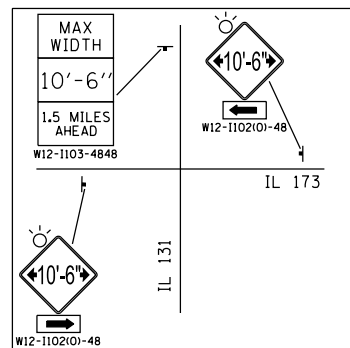
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	23
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ADVANCED SIGNING DETAIL



NOTES:
 * SIGN SHALL BE TAKEN DOWN WHEN WORKERS OR FLAGGERS ARE NOT PRESENT.
 ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



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 PROJECT CONTACT: bhartha
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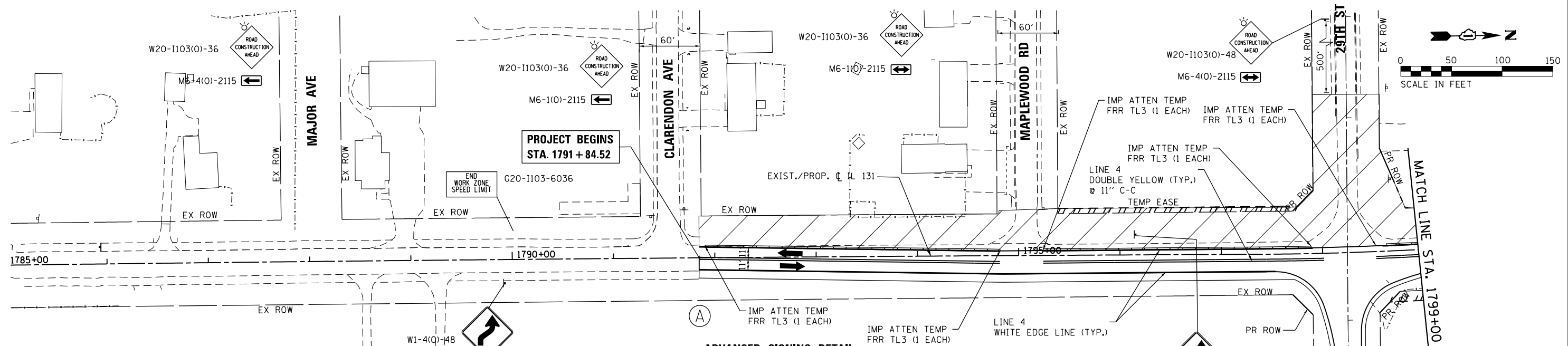


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

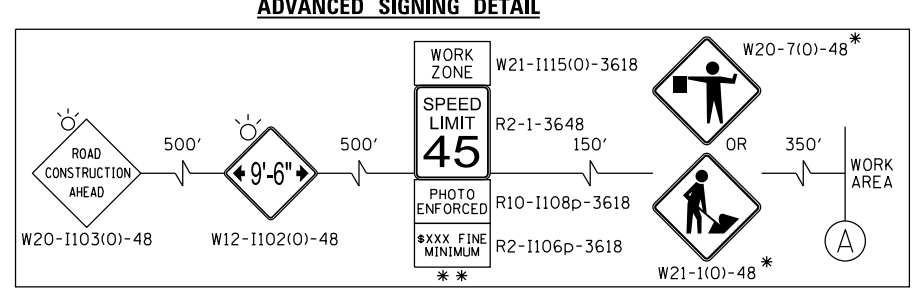
**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 ILLINOIS ROUTE 131 & KENOSHA ROAD**
 SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	24
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75



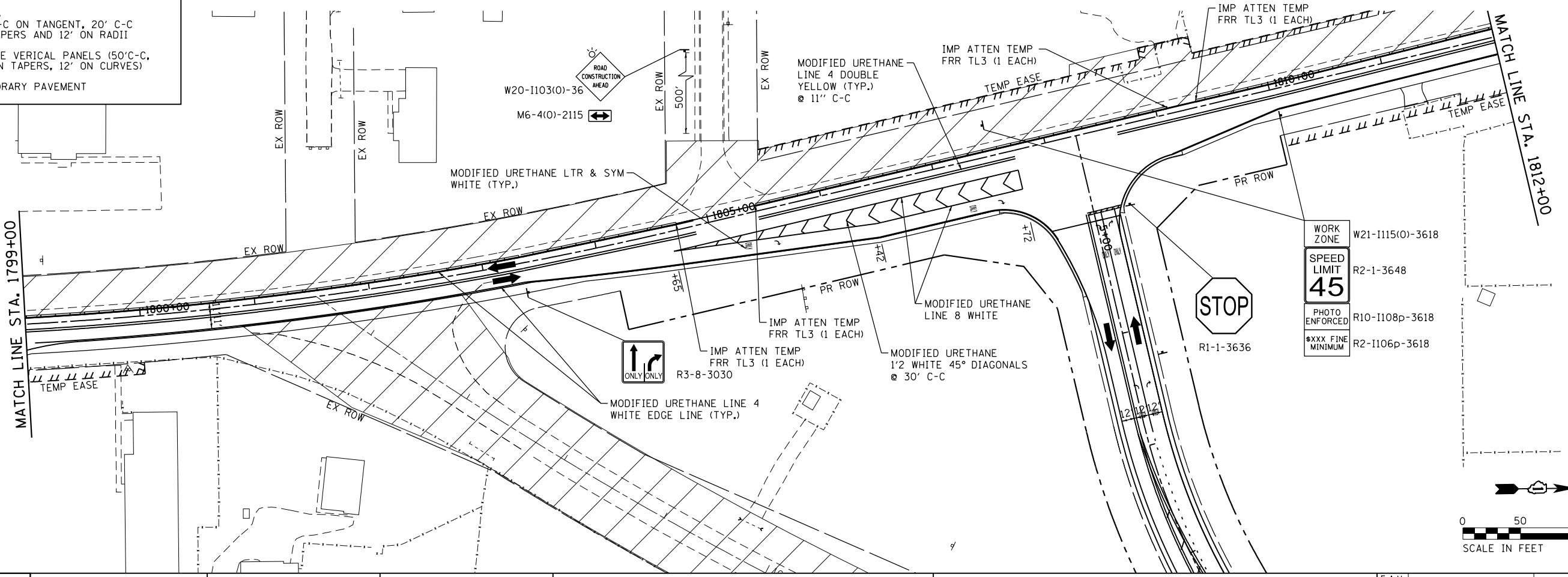
LEGEND:

- WORK ZONE
- DIRECTION OF TRAFFIC
- MAINTENANCE OF TRAFFIC SIGN
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED TY-C CRYSTAL MARKERS
- DRUMS
50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII
- DOUBLE VERTICAL PANELS (50' C-C, 20' ON TAPERS, 12' ON CURVES)
- TEMPORARY PAVEMENT



NOTES:

- * SIGN SHALL BE TAKEN DOWN WHEN WORKERS OR FLAGGERS ARE NOT PRESENT.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



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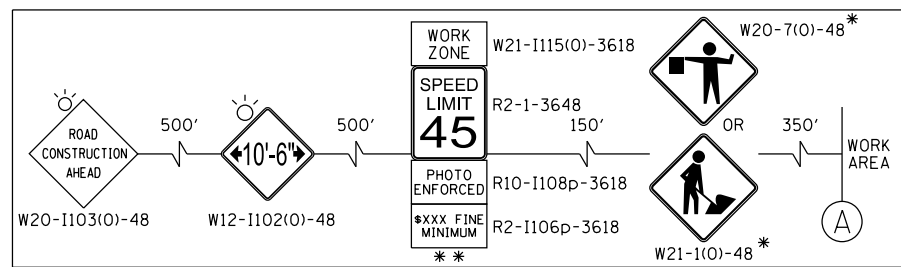
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
 ILLINOIS ROUTE 131**

SCALE: 1" = 50' SHEET NO. 5 OF 6 SHEETS STA. TO STA.

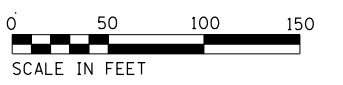
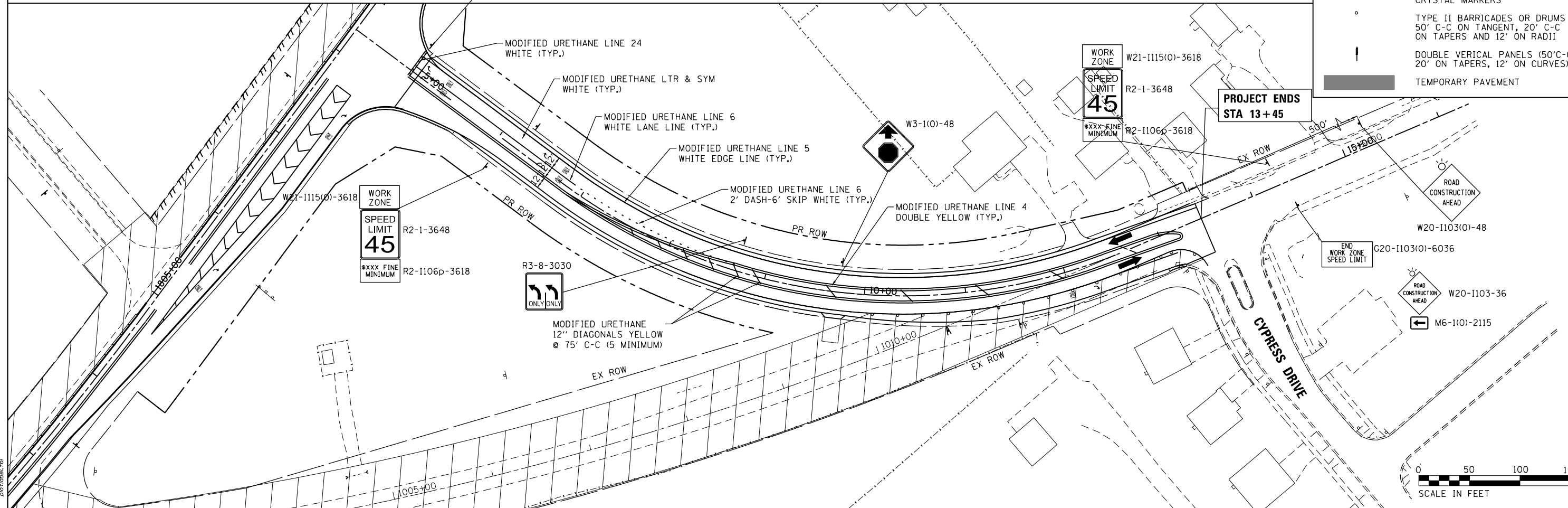
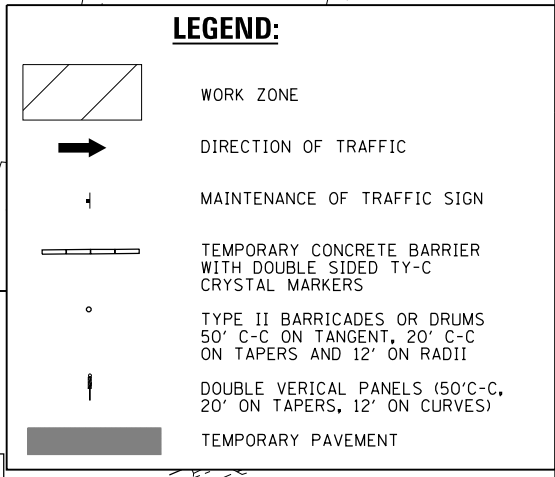
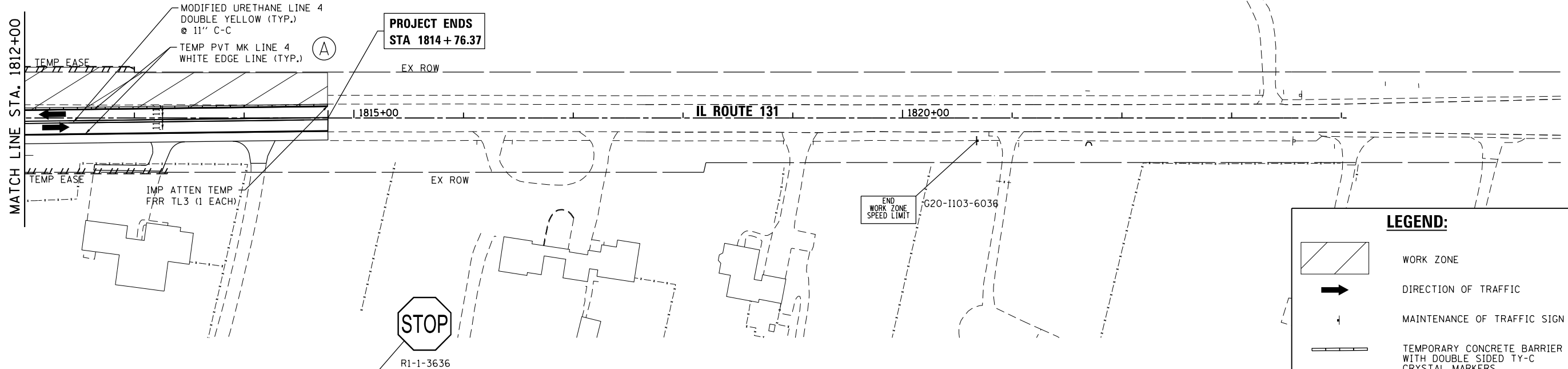
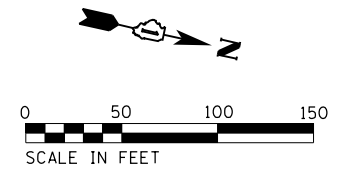
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B75	

ADVANCED SIGNING DETAIL



NOTES:

- * SIGN SHALL BE TAKEN DOWN WHEN WORKERS OR FLAGGERS ARE NOT PRESENT.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
 ILLINOIS ROUTE 131 & KENOSHA ROAD**

SCALE: 1" = 50' SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE. 2711	SECTION 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B75	

SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE

PRE-STAGE:

1. INSTALL PERIMETER EROSION BARRIER AT LOCATIONS THAT WILL BE IMPACTED BY CONSTRUCTION.
2. INSTALL PERIMETER EROSION CONTROL NEEDED FOR STAGE I CONSTRUCTION. SEE STAGE I EROSION CONTROL PLAN FOR LOCATIONS.
3. INSTALL STORM DRAIN INLET PROTECTION OR INLET FILTERS (IN PAVED AREAS) AT STRUCTURES THAT ARE TO BE ADJUSTED OR RECONSTRUCTED DURING STAGE 1.
4. TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKET SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE. THE TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED NO LATER THAN 24 HOURS AFTER THE TEMPORARY SEEDING IS PLACED.
5. TEMPORARY EROSION CONTROL BLANKET SHALL BE USED IN ALL AREAS OF CONCENTRATED FLOW AND IN AREAS OF SHEET FLOW.

STAGE I:

1. INSTALL STORM DRAIN INLET PROTECTION OR INLET FILTERS (IN PAVED AREAS) AT DRAINAGE ITEMS AS THEY ARE CONSTRUCTED IN STAGE I. THE STORM DRAIN INLET PROTECTION OR INLET FILTERS (IN PAVED AREAS) SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE.
2. PLACE TEMPORARY SEEDING IN EXPOSED AREAS THAT ARE TO REMAIN EXPOSED. THE TEMPORARY SEEDING SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE.
3. INSTALL TEMPORARY DITCH CHECKS. TEMPORARY DITCH CHECKS SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE.
4. EROSION CONTROL BLANKET SHALL BE USED IN AREAS OF CONCENTRATED FLOW, AND TEMPORARY MULCH SHALL BE USED IN AREAS OF SHEET FLOW.
5. INSTALL FINAL SEEDING/PLANTINGS ON FINAL GRADED EARTH. IF FINAL SEEDING/PLANTINGS ON FINAL GRADED EARTH CANNOT BE INSTALLED THEN PLACE TEMPORARY SEEDING AND EROSION CONTROL BLANKET. THE SEEDING AND/OR PLANTINGS SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN SECTION II.B.
6. PERFORM ONGOING MAINTENANCE OF EROSION CONTROL DEVICES.

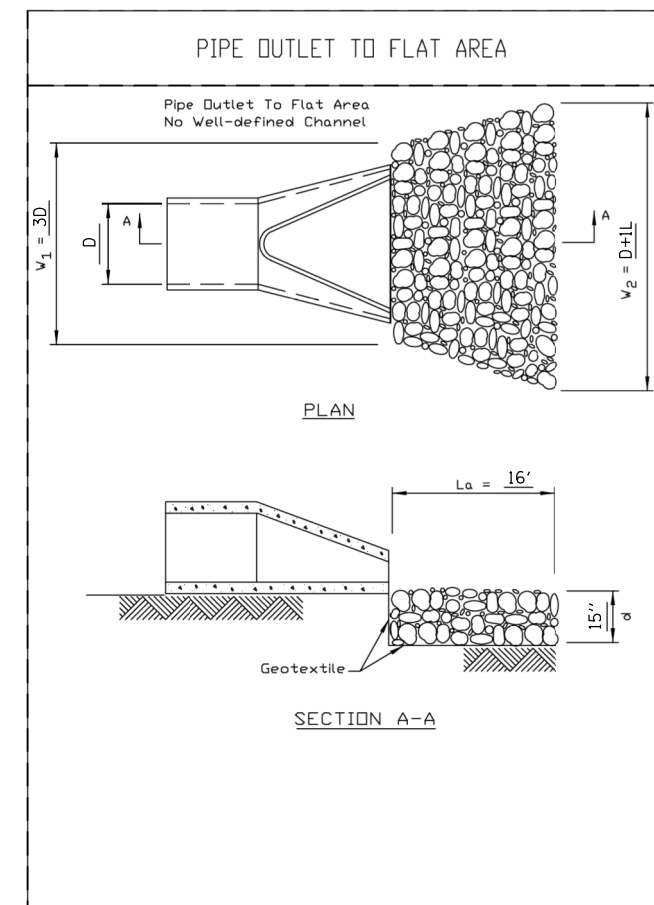
SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE (CONT'D)

STAGE II:

1. INSTALL STORM DRAIN INLET PROTECTION OR INLET FILTERS (IN PAVED AREAS) AT DRAINAGE ITEMS AS THEY ARE CONSTRUCTED IN STAGE II. THE STORM DRAIN INLET PROTECTION OR INLET FILTERS (IN PAVED AREAS) SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE.
2. PLACE TEMPORARY SEEDING IN EXPOSED AREAS THAT ARE TO REMAIN EXPOSED. THE TEMPORARY SEEDING SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE.
3. INSTALL TEMPORARY DITCH CHECKS. TEMPORARY DITCH CHECKS SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE.
4. EROSION CONTROL BLANKET SHALL BE USED IN AREAS OF CONCENTRATED FLOW, AND TEMPORARY MULCH SHALL BE USED IN AREAS OF SHEET FLOW.
5. INSTALL FINAL SEEDING/PLANTINGS ON FINAL GRADED EARTH. IF FINAL SEEDING/PLANTINGS ON FINAL GRADED EARTH CANNOT BE INSTALLED THEN PLACE TEMPORARY SEEDING AND EROSION CONTROL BLANKET. THE SEEDING AND/OR PLANTINGS SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN SECTION II.B.
6. PERFORM ONGOING MAINTENANCE OF EROSION CONTROL DEVICES.
7. EROSION CONTROL BLANKET SHALL BE USED IN AREAS OF CONCENTRATED FLOW, AND TEMPORARY MULCH SHALL BE USED IN AREAS OF SHEET FLOW.

POST -CONSTRUCTION:

1. PERFORM ONGOING MAINTENANCE OF EROSION CONTROL DEVICES.
2. AFTER FINAL SEEDING/PLANTINGS HAVE ATTAINED A 70% ESTABLISHMENT, REMOVE EROSION CONTROL DEVICES.
3. PERFORM RESTORATION OF AREAS DISTURBED FROM THE REMOVAL OF EROSION CONTROL DEVICES.



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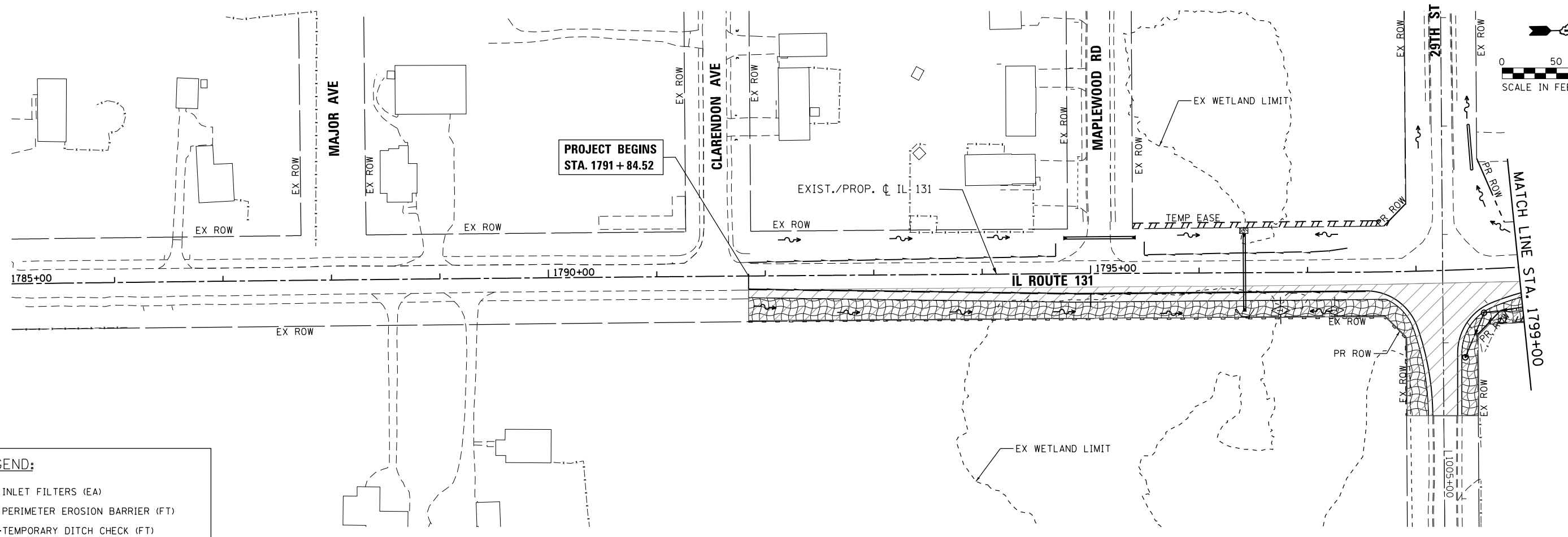
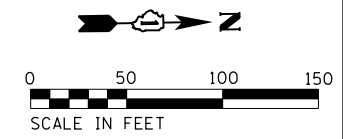


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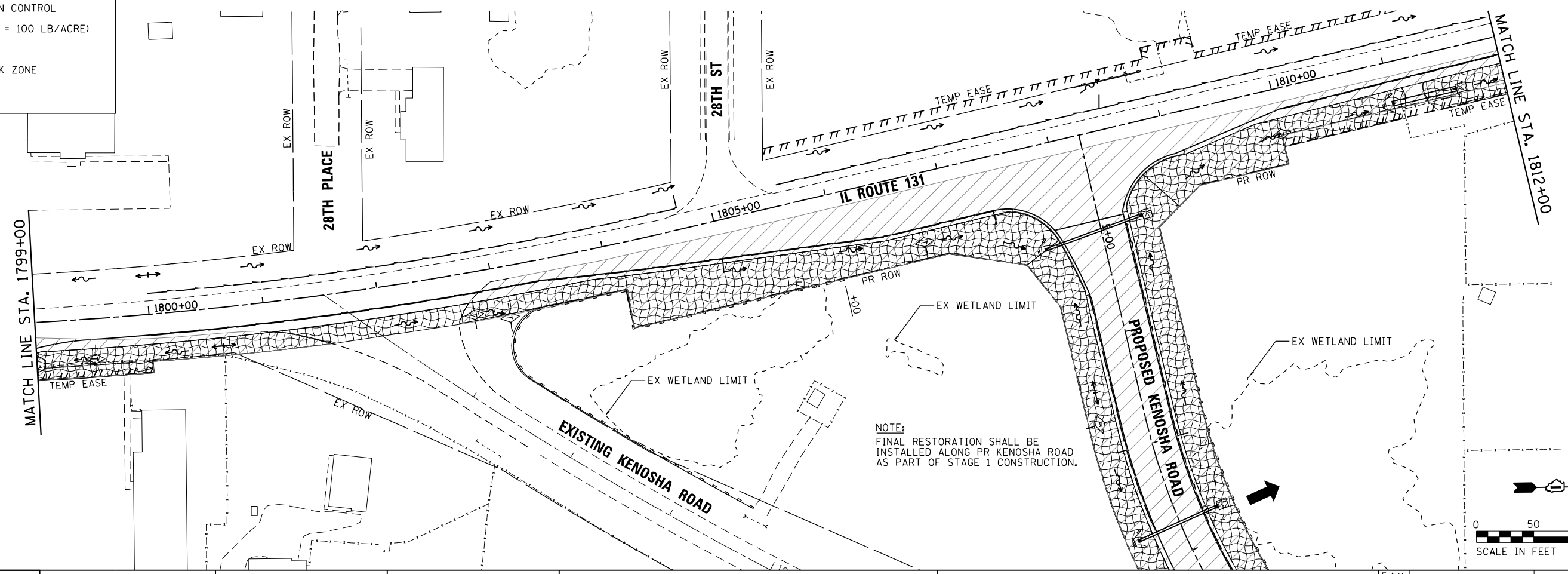
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL GENERAL NOTES
 ILLINOIS ROUTE 131 AND KENOSHA ROAD
 SCALE: NTS SHEET NO. 1 OF 5 SHEETS STA. TO STA.

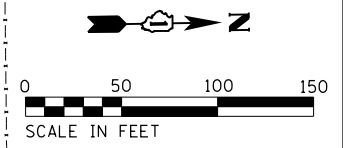
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	27
CONTRACT NO. 62875				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- LEGEND:**
- INLET FILTERS (EA)
 - PERIMETER EROSION BARRIER (FT)
 - TEMPORARY DITCH CHECK (FT)
 - TEMPORARY EROSION CONTROL SEEDING (LB)
(APPLICATION RATE = 100 LB/ACRE)
 - RIPRAP
 - CONSTRUCTION WORK ZONE



NOTE:
FINAL RESTORATION SHALL BE
INSTALLED ALONG PR KENOSHA ROAD
AS PART OF STAGE 1 CONSTRUCTION.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #PROJECTCONTACTS
 DATE PLOTTED: 3/27/2019 4:36:00 PM
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 PLOT DRIVER: ILpdf.dwt
 PEN TABLE: plottbl.tbl



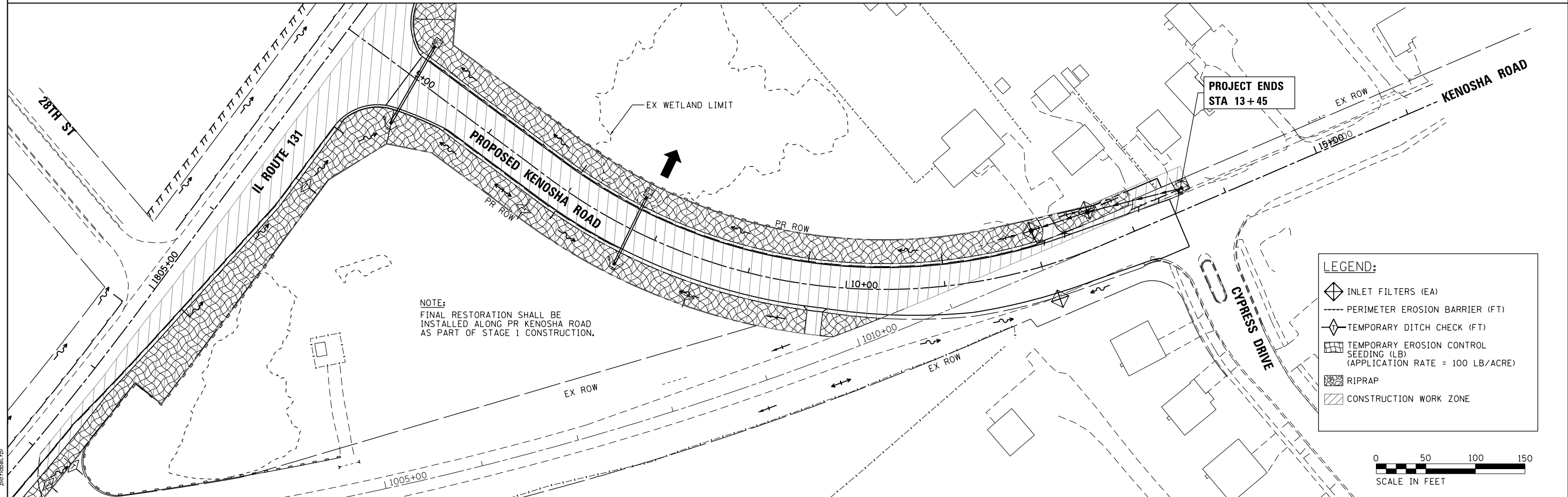
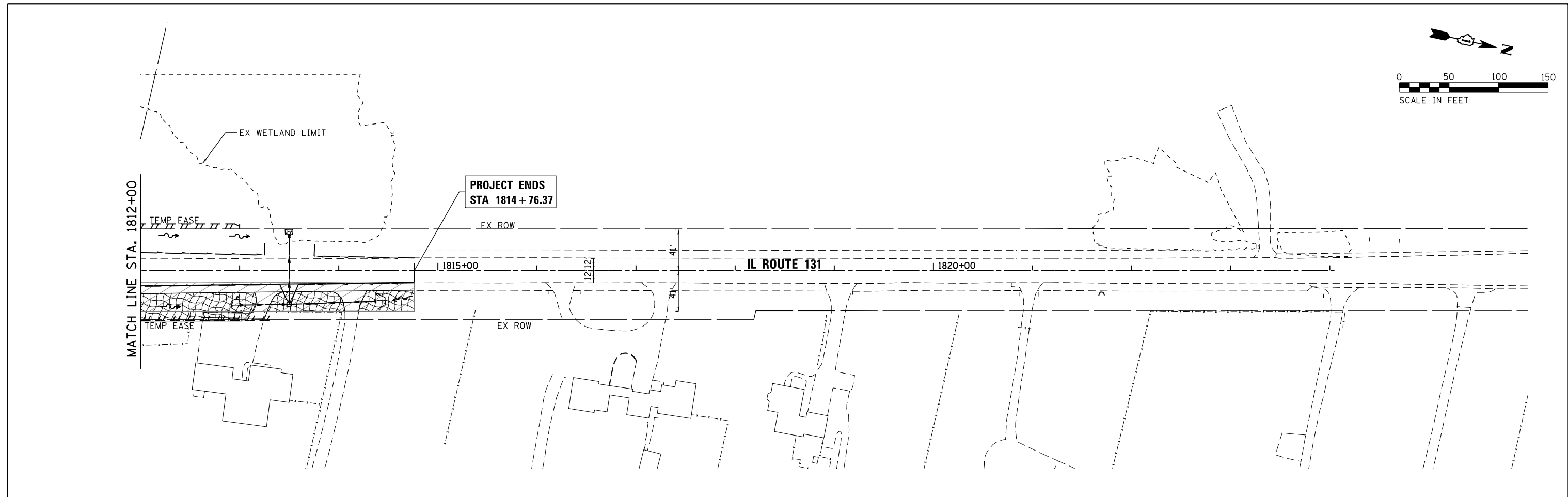
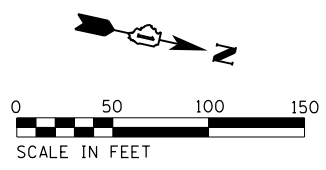
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN - STAGE 1
ILLINOIS ROUTE 131**

SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. BEG TO STA. 1812+00

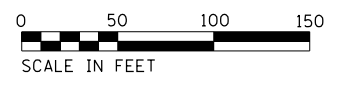
F.A.U. RTE. 2711	SECTION 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B75	



NOTE:
FINAL RESTORATION SHALL BE
INSTALLED ALONG PR KENOSHA ROAD
AS PART OF STAGE 1 CONSTRUCTION.

LEGEND:

- INLET FILTERS (EA)
- PERIMETER EROSION BARRIER (FT)
- TEMPORARY DITCH CHECK (FT)
- TEMPORARY EROSION CONTROL SEEDING (LB) (APPLICATION RATE = 100 LB/ACRE)
- RIPRAP
- CONSTRUCTION WORK ZONE



COMPANY NAME: HRGreen
PROJECT CONTACT: #PROJECTCONTACT#
DATE PLOTTED: 3/27/2019 4:36:05 PM
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PLOT DRIVER: ILpdf.dwt
PEN TABLE: plot.tbl

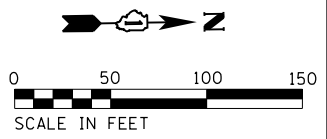
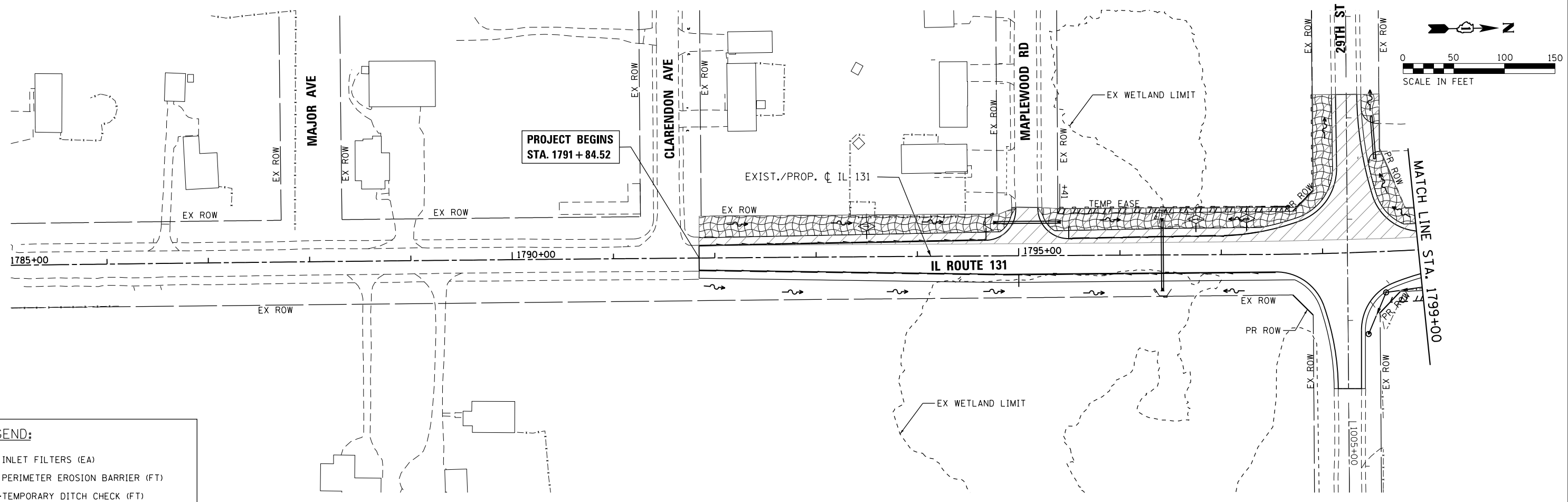
HRGreen
HRGreen.com
Illinois Professional Design Firm
#184-001322

USER NAME = bhartha	DESIGNED - BH	REVISED -
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

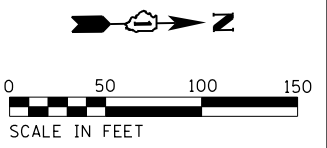
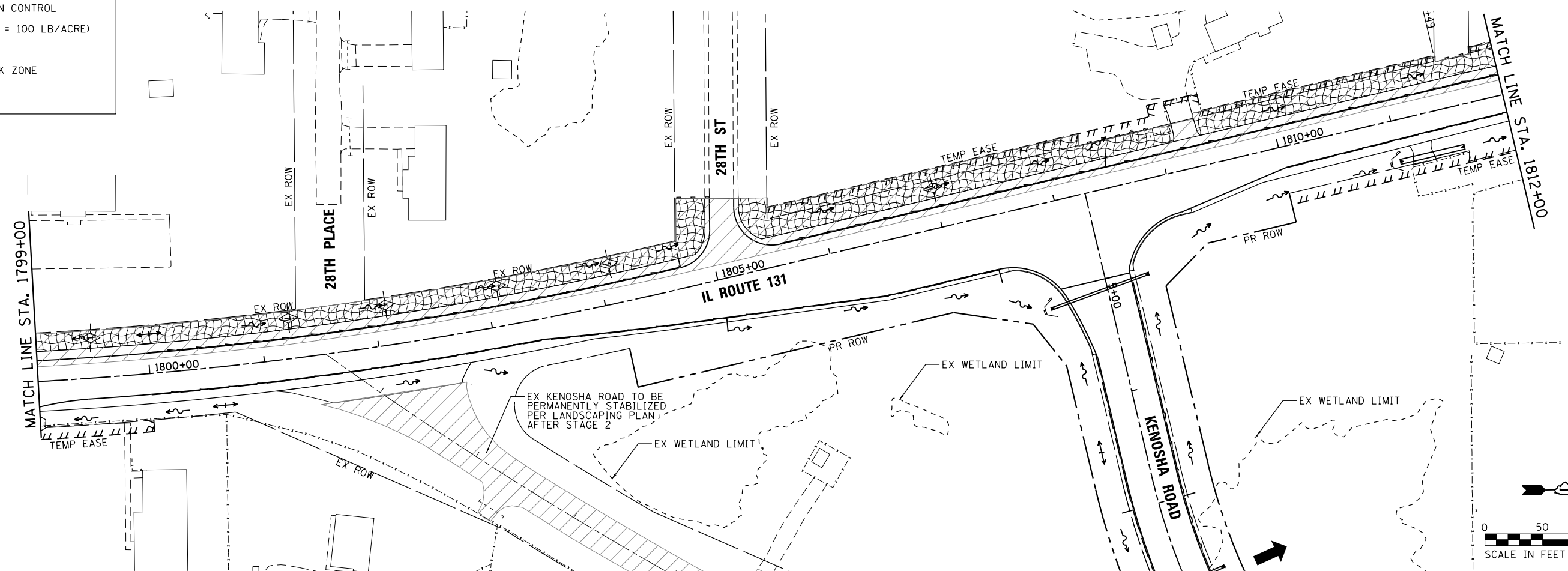
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN - STAGE 1
ILLINOIS ROUTE 131 & KENOSHA ROAD**
SCALE: 1" = 50' SHEET NO. 3 OF 5 SHEETS STA. 1812+00 TO STA. END

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	29
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62B75	



- LEGEND:**
- INLET FILTERS (EA)
 - PERIMETER EROSION BARRIER (FT)
 - TEMPORARY DITCH CHECK (FT)
 - TEMPORARY EROSION CONTROL SEEDING (LB)
(APPLICATION RATE = 100 LB/ACRE)
 - RIPRAP
 - CONSTRUCTION WORK ZONE



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: bhartma
 DATE PLOTTED: 3/27/2019 4:36:09 PM
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 PLOT DRIVER: ILpdf.dwt
 PEN TABLE: plot.tbl



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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

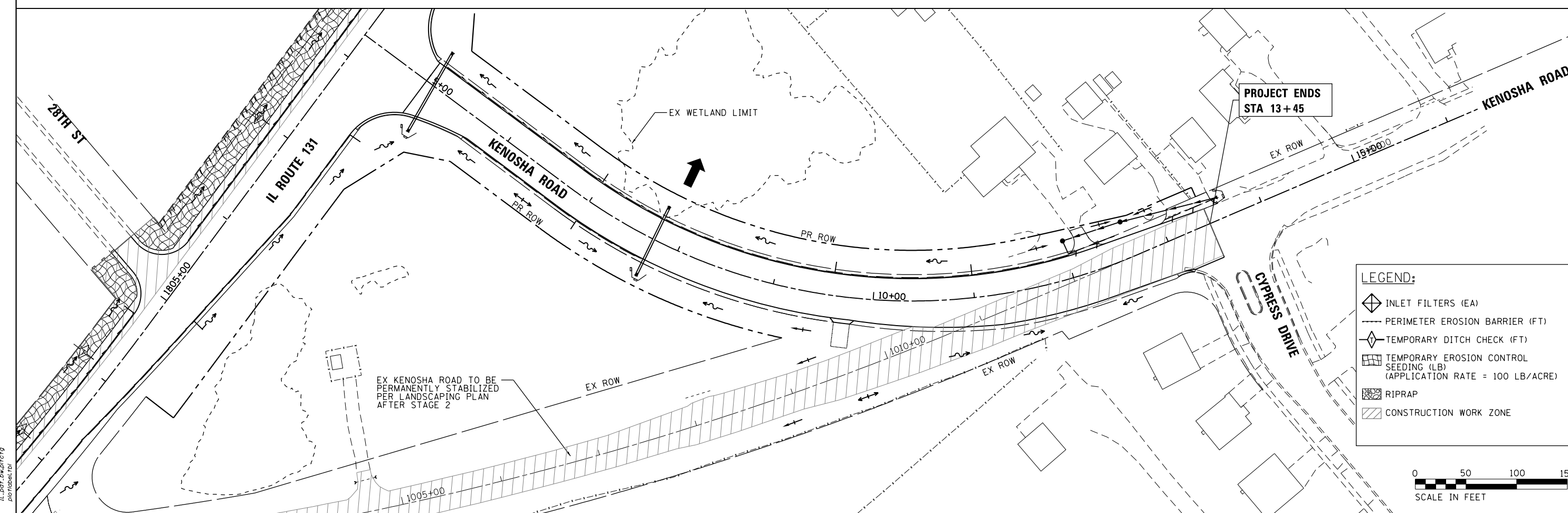
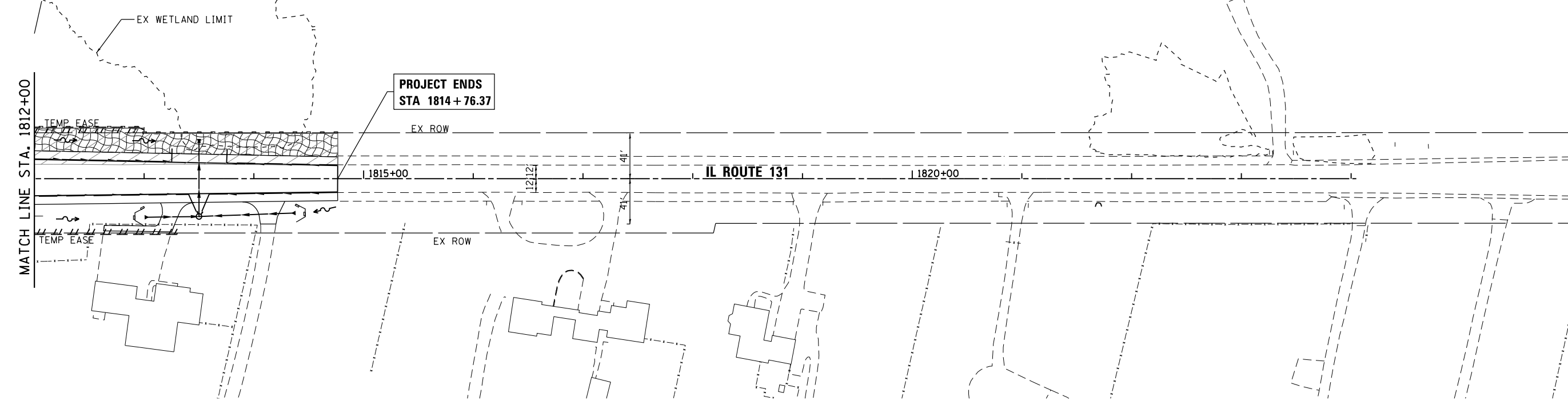
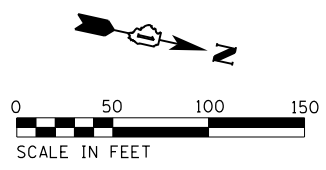
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN - STAGE 2
 ILLINOIS ROUTE 131**

SCALE: 1" = 50' SHEET NO. 4 OF 5 SHEETS STA. BEG TO STA. 1812+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	30
CONTRACT NO. 62B75				

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



LEGEND:

- INLET FILTERS (EA)
- PERIMETER EROSION BARRIER (FT)
- TEMPORARY DITCH CHECK (FT)
- TEMPORARY EROSION CONTROL SEEDING (LB)
(APPLICATION RATE = 100 LB/ACRE)
- RIPRAP
- CONSTRUCTION WORK ZONE



COMPANY NAME: HRGreen
 PROJECT CONTACT: #PROJECTCONTACTS
 DATE PLOTTED: 3/27/2019 4:36:12 PM
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 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plotlabel.tbl



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PLOT SCALE = 1" = 50'	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN - STAGE 2
 ILLINOIS ROUTE 131 & KENOSHA ROAD**

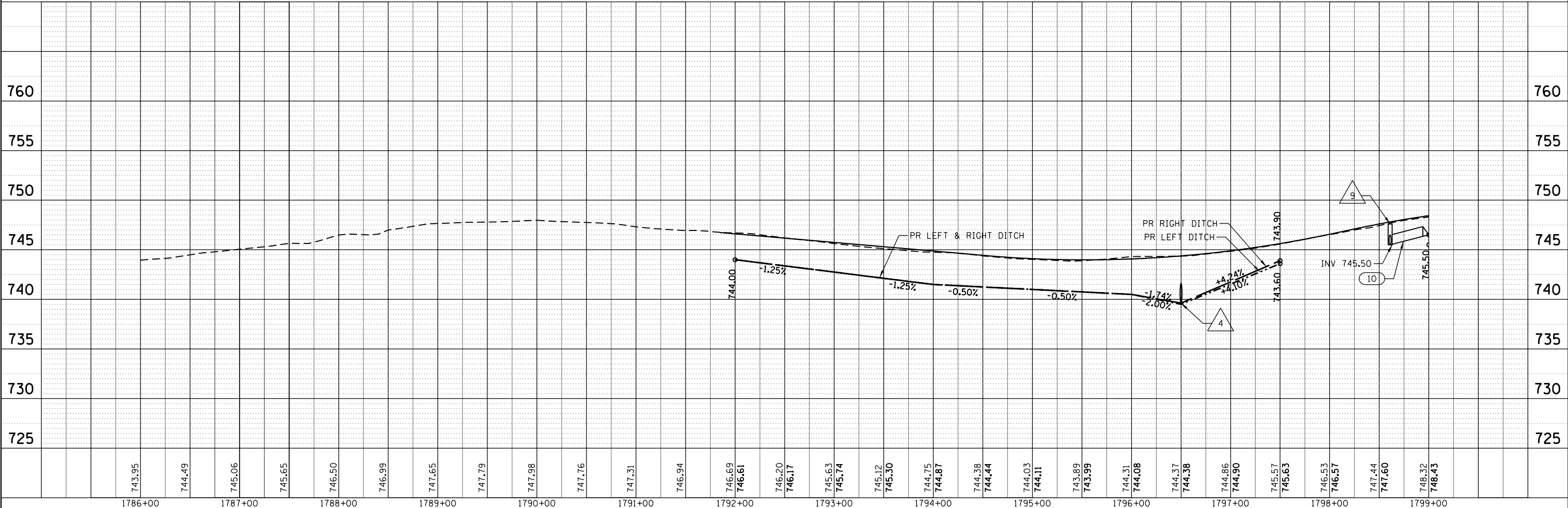
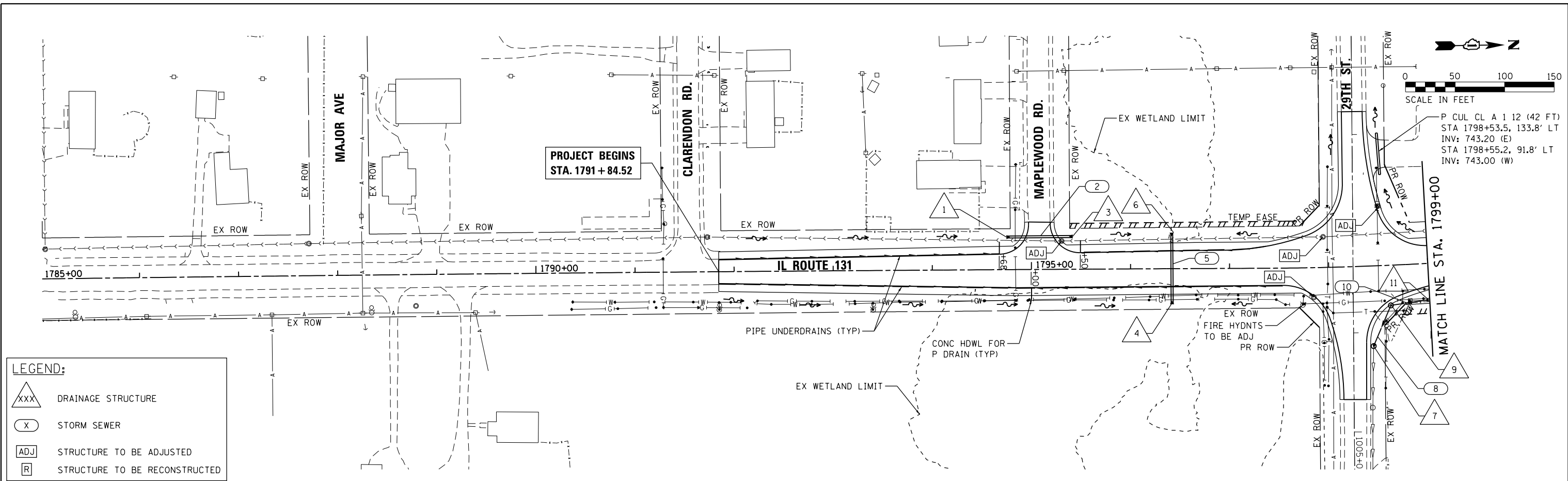
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F.A.U. RTE. 2711	SECTION 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B75	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIS		
	CHPKD		
	NO. _____		

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
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 FILE NAME: D:\62875-sht-drain-plnprf-01.dgn
 PLOT NUMBER: 1
 PEN TABLE: PEN TABLE



1786+00	1787+00	1788+00	1789+00	1790+00	1791+00	1792+00	1793+00	1794+00	1795+00	1796+00	1797+00	1798+00	1799+00																												
743.95	744.49	745.06	745.65	746.50	746.99	747.65	747.79	747.98	747.76	747.31	746.94	746.69	746.61	746.20	746.17	745.63	745.74	745.12	745.30	744.75	744.87	744.38	744.44	744.03	744.11	743.89	743.99	744.31	744.08	744.37	744.38	744.86	744.90	745.57	745.63	746.53	746.57	747.44	747.60	748.32	748.43

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 #184-001322

USER NAME = bharto	DESIGNED - BH	REVISED -
FILE NAME = D:\62875-sht-drain-plnprf-01.dgn	DRAWN - DMS	REVISED -
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY PLAN AND PROFILE
ILLINOIS ROUTE 131
 SCALE: 1" = 50' SHEET NO. 1 OF 5 SHEETS STA. BEG TO STA. 1799+00

F.A.U. RTE. 2711	SECTION 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 32
CONTRACT NO. 62B75			ILLINOIS FED. AID PROJECT	

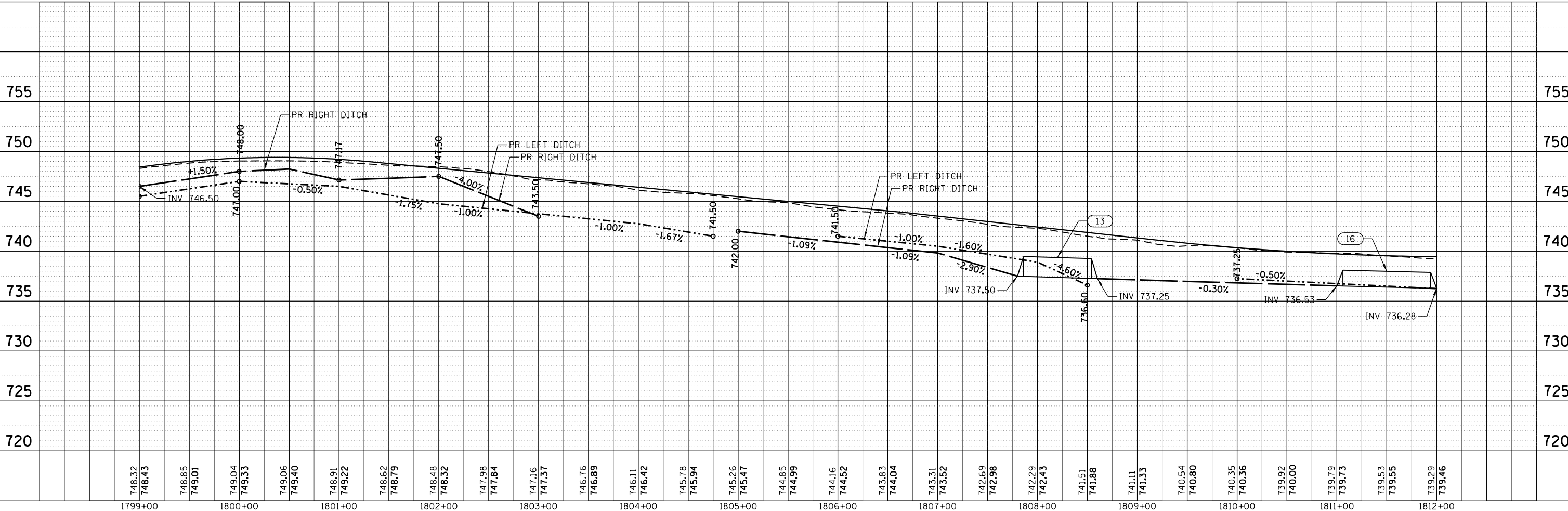
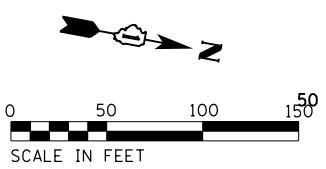
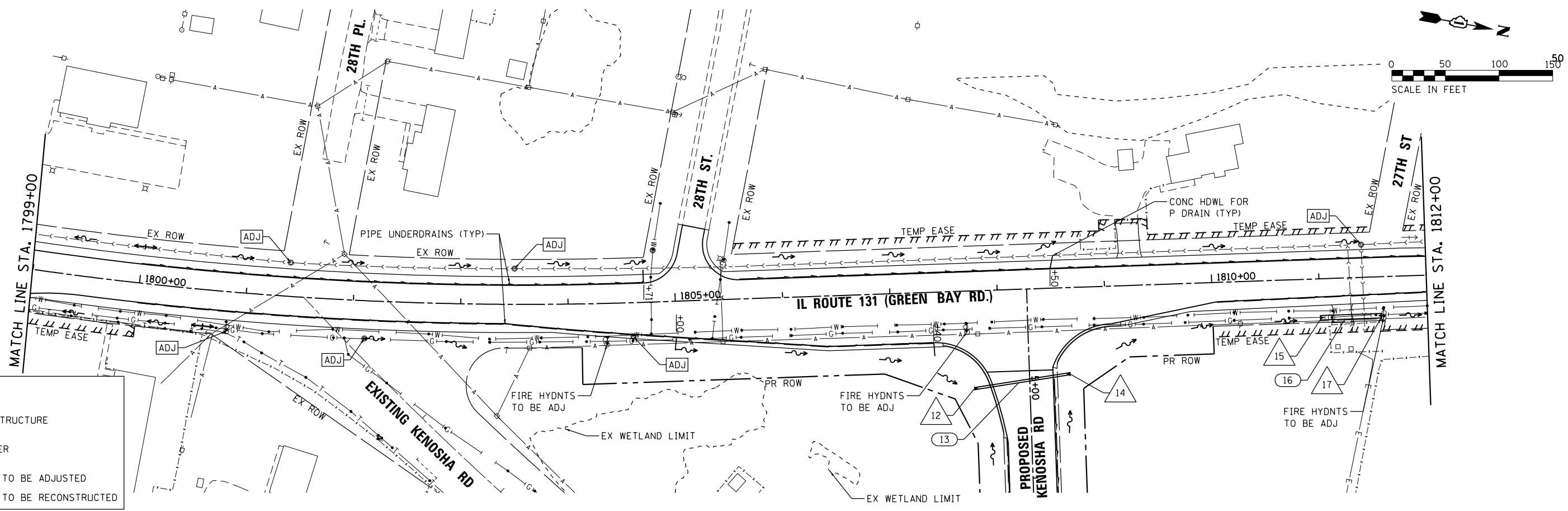
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	PLOTTED		
	NOTE BOOK		
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
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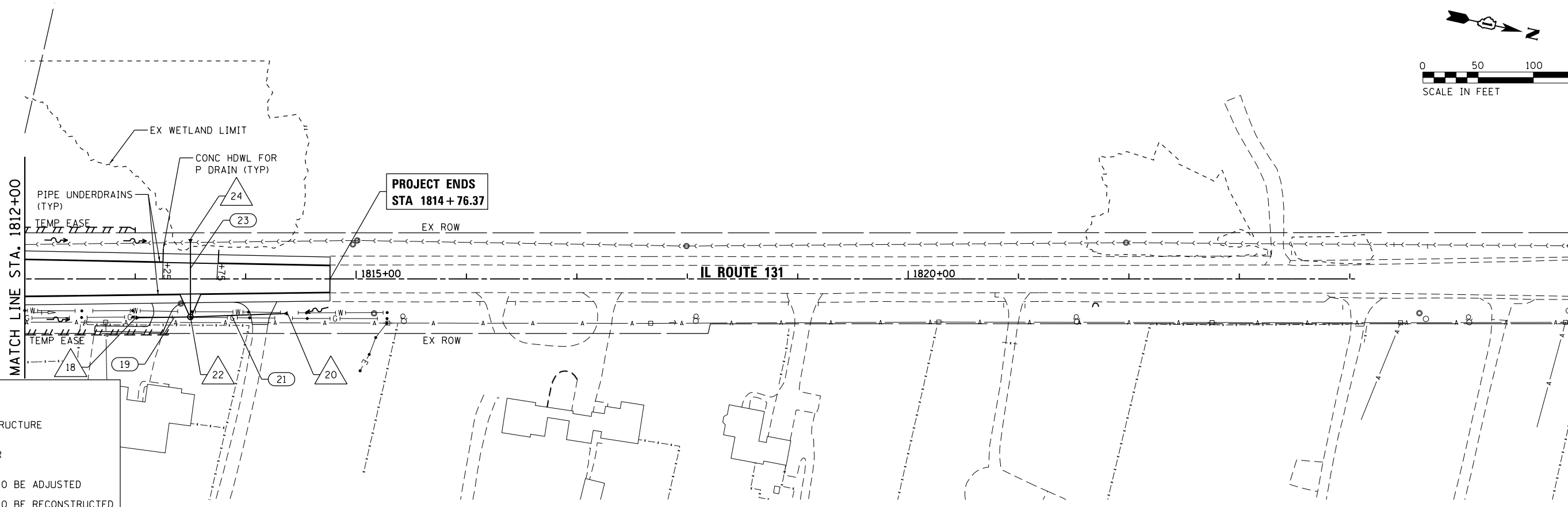
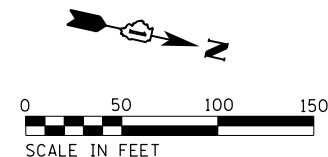
LEGEND:

- DRAINAGE STRUCTURE
- STORM SEWER
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE RECONSTRUCTED



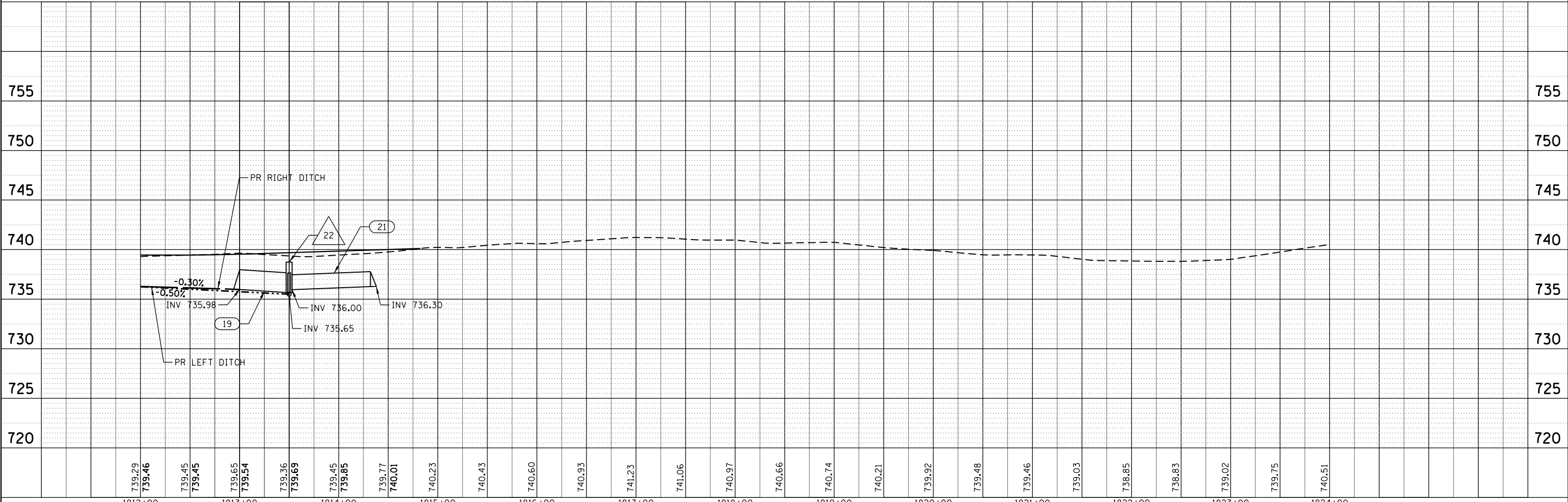
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SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. 1799+00 TO STA. 1812+00 ILLINOIS FED. AID PROJECT



LEGEND:

	DRAINAGE STRUCTURE
	STORM SEWER
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
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	CPAD		
	NO.		

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 3/21/2019 4:36:22 PM
 FILE NAME: D:\62875-sht-drain-plnprf-03.dgn
 PLOT NUMBER: 03
 PEN TABLE: pen.tbl

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1812+00	1813+00	1814+00	1815+00	1816+00	1817+00	1818+00	1819+00	1820+00	1821+00	1822+00	1823+00	1824+00																		

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 Illinois Professional Design Firm
 #184-001322

USER NAME = bharto	DESIGNED - BH	REVISED -
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

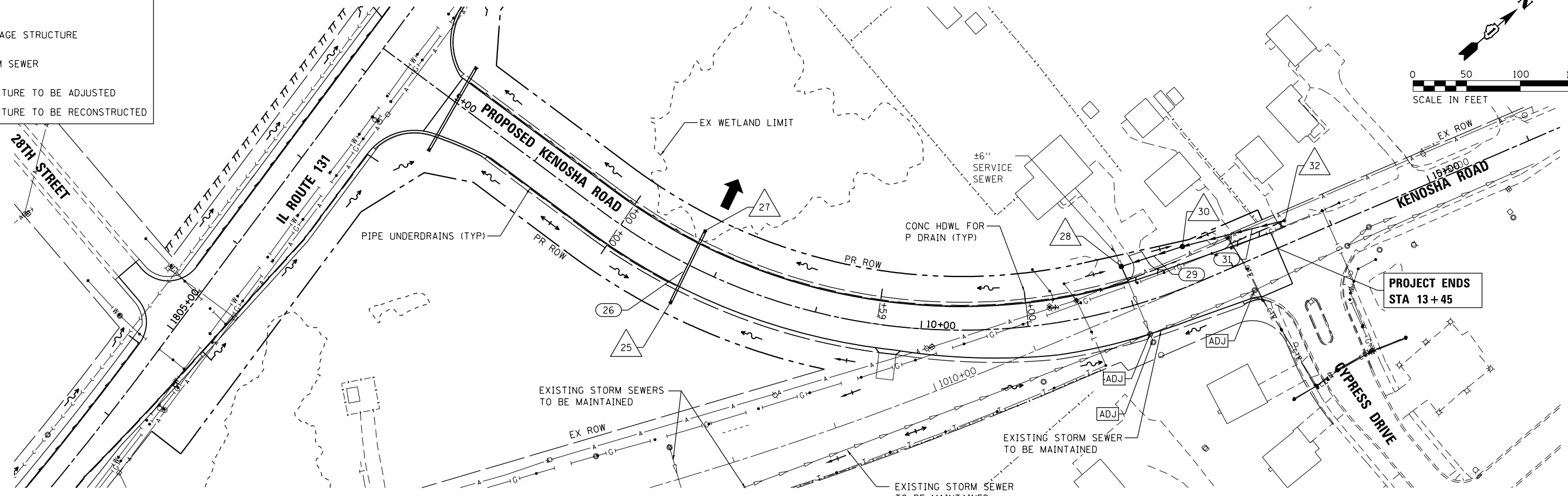
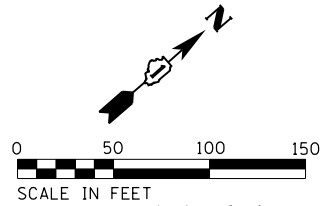
**DRAINAGE & UTILITY PLAN AND PROFILE
 ILLINOIS ROUTE 131**

SCALE: 1" = 50' SHEET NO. 3 OF 5 SHEETS STA. 1812+00 TO STA. END

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	34
CONTRACT NO.			62B75	
ILLINOIS FED. AID PROJECT				

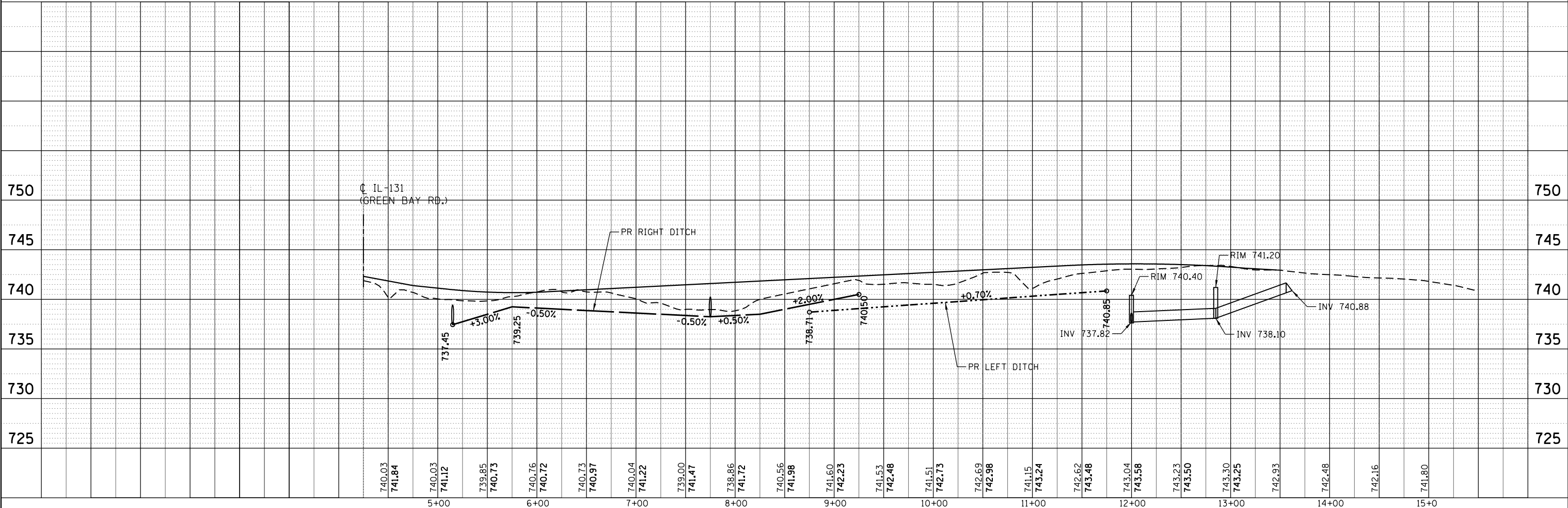
LEGEND:

- XXX DRAINAGE STRUCTURE
- X STORM SEWER
- ADJ STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE RECONSTRUCTED



PLAN	SURVEYED	BY	DATE

PROFILE	SURVEYED	BY	DATE



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: bharto
 CLIENT: D162B75-shd-drain-plnprf-04.dgn
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITY PLAN AND PROFILE
 KENOSHA ROAD**

SCALE: 1" = 50' SHEET NO. 4 OF 5 SHEETS STA. BEG TO STA. END

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	35
CONTRACT NO. 62B75				
ILLINOIS FED. AID PROJECT				

STORM STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	DRAINAGE INVERTS							
						NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
1	1794+75.00	32.8' LT	PRC FL END S EQ RS 18	-	-	-	-	-	-	741.10	-	-	-
3	1794+41.71	33.0' LT	PRC FL END S EQ RS 18	-	-	740.60	-	-	-	-	-	-	-
4	1796+41.74	35.8' RT	PRC FL END S EQ RS 36	-	-	-	-	740.76	-	-	-	-	-
6	1796+41.62	36.3' LT	PRC FL END S EQ RS 36	-	-	-	-	-	-	-	739.96	-	-
7	1798+42.40	80.8' RT	MAN TA 4 DIA TIF CL	TYPE 1, CL	747.50	-	-	745.25	-	-	-	745.25	-
9	1798+61.01	40.5' RT	MAN TA 4 DIA TIF CL	TYPE 1, CL	747.60	745.50	-	745.50	-	-	-	-	-
11	1798+98.86	36.8' RT	PRC FLAR END SEC 12	-	-	746.50	-	-	-	-	-	-	-
12	5+03.96	52.1' RT	PRC FL END S EQ RS 24	-	-	-	-	-	-	737.50	-	-	-
14	5+10.50	38.2' LT	PRC FL END S EQ RS 24	-	-	737.25	-	-	-	-	-	-	-
15	1810+99.78	36.3' RT	PRC FL END S EQ RS 24	-	-	-	-	-	-	736.53	-	-	-
17	1811+57.69	36.3' RT	PRC FL END S EQ RS 24	-	-	736.28	-	-	-	-	-	-	-
18	1813+00.49	35.0' RT	PRC FLAR END SEC 24	-	-	-	-	-	-	735.98	-	-	-
20	1814+37.99	31.2' RT	PRC FLAR END SEC 18	-	-	736.05	-	-	-	-	-	-	-
22	1813+49.99	34.4' RT	MAN TA 6 DIA TIF CL	TYPE 1, CL	738.90	735.75	-	-	-	735.65	-	735.65	-
24	1813+50.07	36.2' LT	PRC FLAR END SEC 24	-	-	-	-	-	-	-	735.50	-	-
25	7+74.24	40.1' RT	PRC FL END S EQ RS 24	-	-	-	-	-	-	738.25	-	-	-
27	7+73.07	36.0' LT	PRC FL END S EQ RS 24	-	-	737.85	-	-	-	-	-	-	-
28	11+99.77	37.9' LT	CB TA 4 DIA T8 F&G	TYPE 8	740.40	737.82	-	737.82	-	-	-	737.82	-
30	12+63.84	36.4' LT	CB TA 4 DIA T8 F&G	TYPE 8	741.20	738.10	-	-	-	738.10	-	-	-
32	13+61.87	21.1' LT	PRC FLAR END SEC 12	-	-	-	-	-	-	740.88	-	-	-

STORM SEWER SCHEDULE

PIPE NO.	FROM STRUCT.	TO STRUCT.	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
2	1	3	P CUL CL A 1 EQRS 18	18 EQ	55	0.91%	4.4
5	4	6	P CUL CL A 1 EQRS 36	36 EQ	56	1.43%	19.3
8	7	9	STORM SEW CL A 1 12	12	41	0.61%	0.0
10	9	11	STORM SEW CL A 1 12	12	36	2.78%	0.0
13	12	14	P CUL CL A 1 EQRS 24	24 EQ	79	0.32%	12.0
16	15	17	P CUL CL A 1 EQRS 24	24 EQ	46	0.54%	2.5
19	18	22	SS 2 WAT MN 24	24	41	0.80%	2.1
21	20	22	SS 2 WAT MN 18	18	80	0.37%	2.4
23	22	24	SS 2 WAT MN 24	24	64	0.23%	5.6
26	25	27	P CUL CL A 1 EQRS 24	24 EQ	64	0.62%	8.3
29	20	30	STORM SEW CL A 1 12	12	57	0.49%	0.0
31	30	32	STORM SEW CL A 1 12	12	94	2.96%	0.0

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: bhartma
 DATE PLOTTED: 3/27/2019 4:36:28 PM
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 PLOT DRIVER: ILpdf.plt
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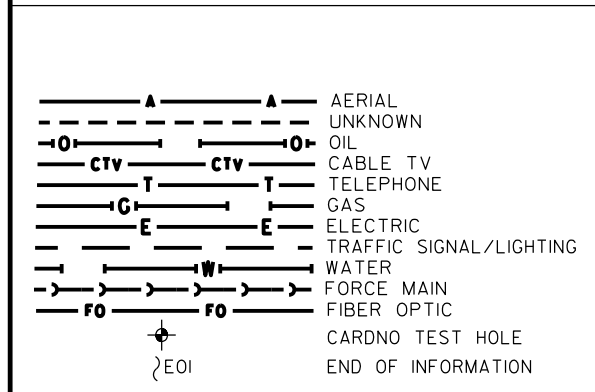
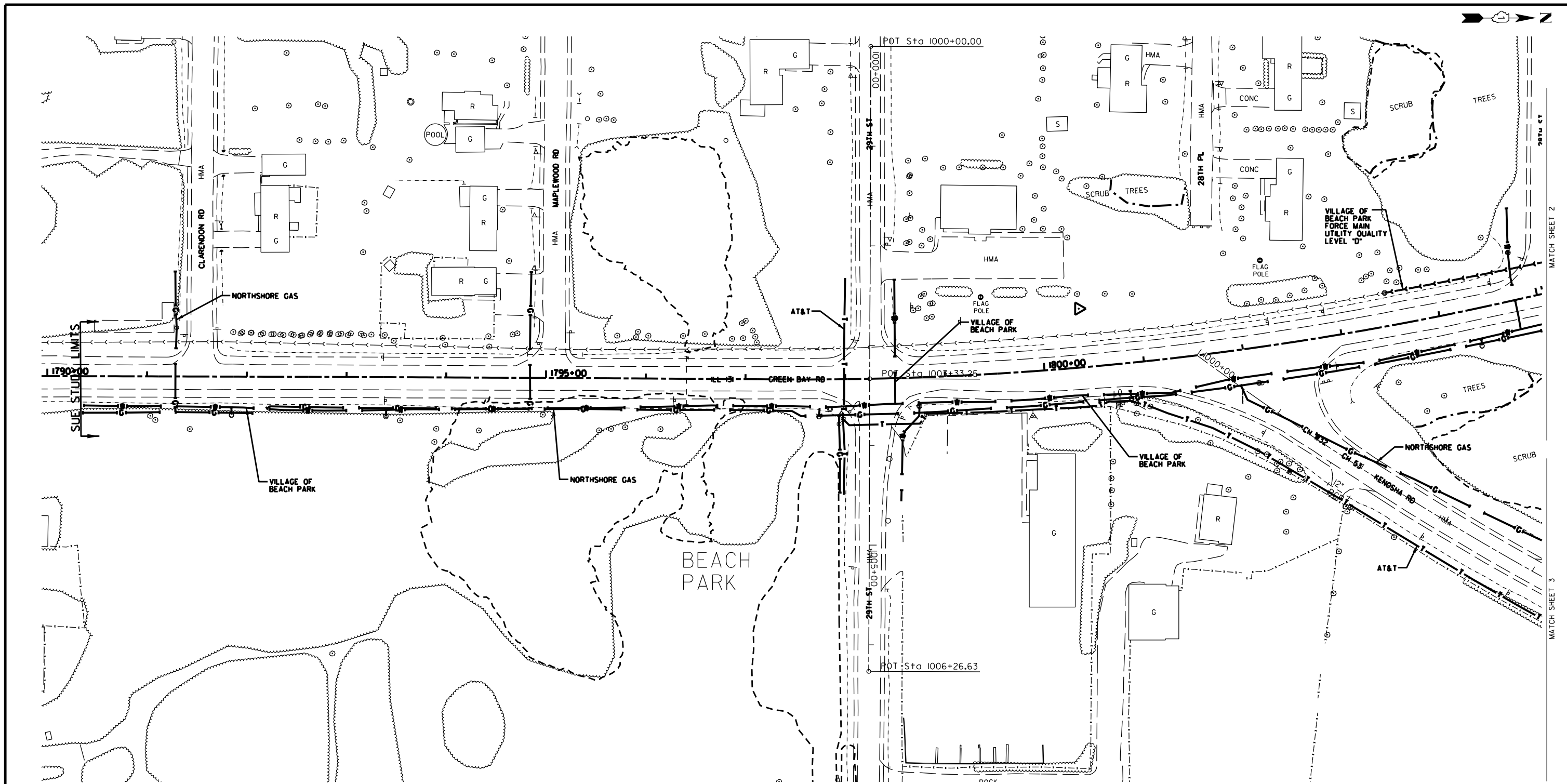
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PLOT SCALE = NTS	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: NTS SHEET NO. 5 OF 5 SHEETS STA. TO STA.

DRAINAGE & UTILITY SCHEDULE
 ILLINOIS ROUTE 131 AND KENOSHA ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	36
CONTRACT NO. 62875				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



UTILITY OWNERS		
AT&T	-	TELEPHONE
COMCAST	-	CABLE TV
COMED	-	ELECTRIC
NORTHSHORE	-	GAS
CITY OF ZION	-	WATER
VILLAGE OF BEACH PARK	-	WATER
VILLAGE OF BEACH PARK	-	SANITARY

Utilities shown on these plans as depicted in the legend have been investigated by Cardno in accordance with SUE Industry Standards. All other information shown has been provided to Cardno by others. Cardno's SUE field investigation was performed 12/22/16 through 12/29/16. Changes to utilities after 12/29/16 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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

Cardno
 CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 21 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
 (815) 744-3720 claassenwhite@cwasurevey.com

F.A. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
 32N-6 (15) Lake 105 37
 Contract No. 62B75
 ILLINOIS DOT Project No.

TBE Job No. IL09510736
 SUE Plan Page: 1 of 3

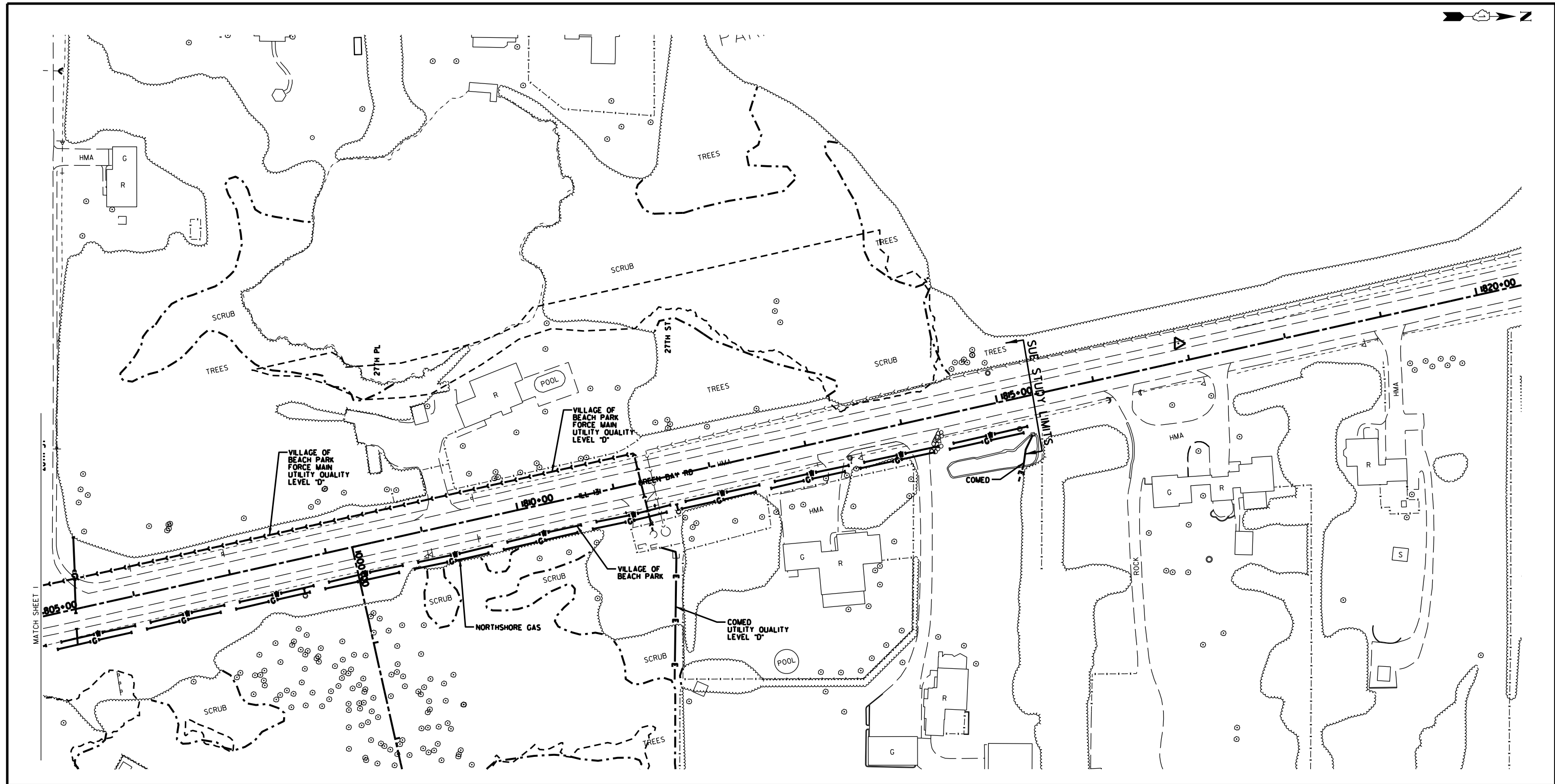
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 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

DESIGNED	IP	REVISED
DRAWN	KLC	REVISED
CHECKED	KS	REVISED
DATE	1/06/17	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 131 (29th Street) to proposed Kenosha Road
 Beach Park, IL

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	32N-6 (15)	Lake	105	37
Contract No. 62B75				
ILLINOIS		DOT Project No.		



	AERIAL
	UNKNOWN
	OIL
	CABLE TV
	TELEPHONE
	GAS
	ELECTRIC
	TRAFFIC SIGNAL/LIGHTING
	WATER
	FORCE MAIN
	FIBER OPTIC
	CARDNO TEST HOLE
	END OF INFORMATION

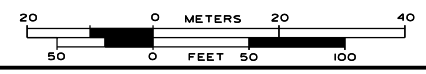
UTILITY OWNERS		
AT&T	-	TELEPHONE
COMCAST	-	CABLE TV
COMED	-	ELECTRIC
NORTHSHORE	-	GAS
CITY OF ZION	-	WATER
VILLAGE OF BEACH PARK	-	WATER
VILLAGE OF BEACH PARK	-	SANITARY

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



CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 12 AIRPORT DRIVE, UNIT L, JOLIET, ILLINOIS 60431
 (815) 744-3720 claassenwhite@cwasurevey.com



Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

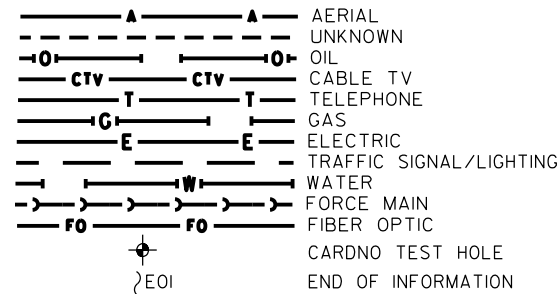
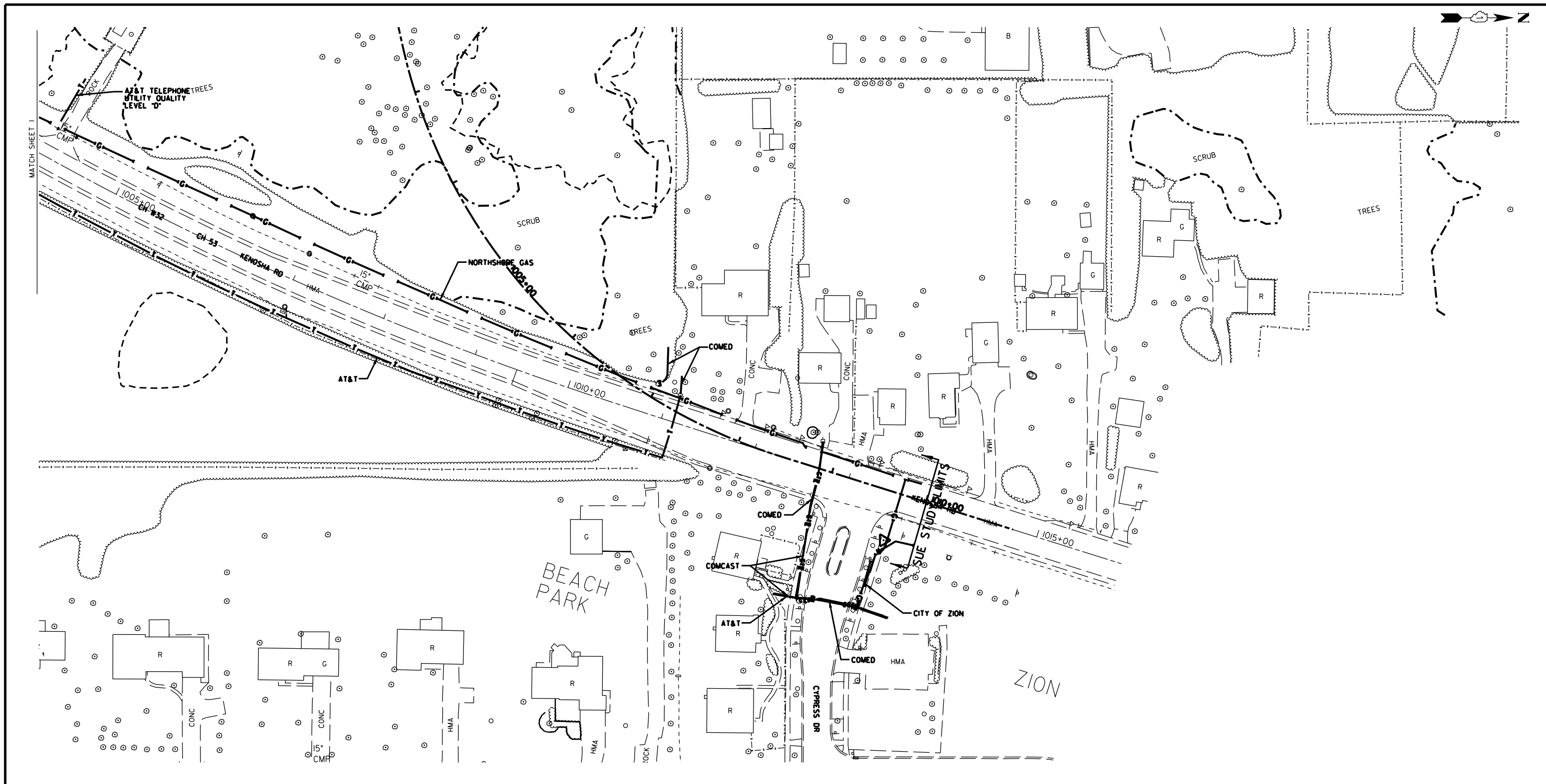
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DRAWN	KLC	REVISED
CHECKED	KS	REVISED
DATE	1/06/17	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 131 (29th Street) to proposed Kenosha Road
Beach Park, IL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	32N-6 (15)	Lake	105	38
FED. ROAD DIST. NO. ILLINOIS			Contract No. 62B75	
IDOT Project No.				

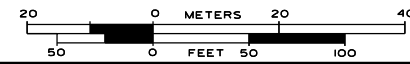
TBE Job No. IL09510736
 SUE Plan Page: 2 of 3



UTILITY OWNERS
 AT&T - TELEPHONE
 COMCAST - CABLE TV
 COMED - ELECTRIC
 NORTSHORE - GAS
 CITY OF ZION - WATER
 VILLAGE OF BEACH PARK - WATER
 VILLAGE OF BEACH PARK - SANITARY

Utilities shown on these plans as depicted in the legend have been investigated by Cardno in accordance with SUE Industry Standards. All other information shown has been provided to Cardno by others. Cardno's SUE field investigation was performed 12/22/16 through 12/29/16. Changes to utilities after 12/29/16 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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 (815) 744-3720 claassenwhite@cwasurevey.com

TBE Job No. IL09510736
 SUE Plan Page: 3 of 3

Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

DESIGNED	JP	REVISED
DRAWN	KLC	REVISED
CHECKED	KS	REVISED
DATE	1/06/17	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 131 (29th Street) to proposed Kenosha Road
 Beach Park, IL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	32N-6 (15)	Lake	105	39
Contract No. 62B75				
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: IL ROUTE 131

SECTION: 29TH STREET TO PROPOSED KENOSHA ROAD

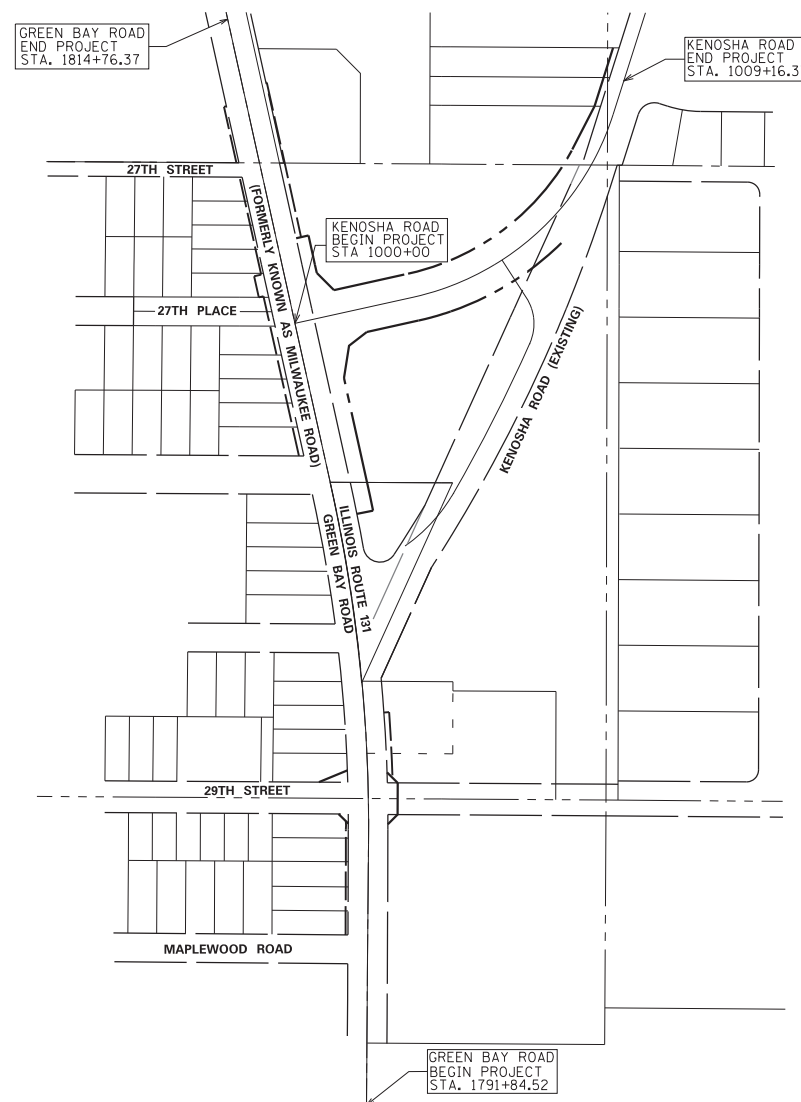
COUNTY: LAKE

LIMITS: 1791+84.52 TO 1814+76.37 GREEN BAY ROAD

1000+00 TO 1009+16.37 PROPOSED KENOSHA ROAD

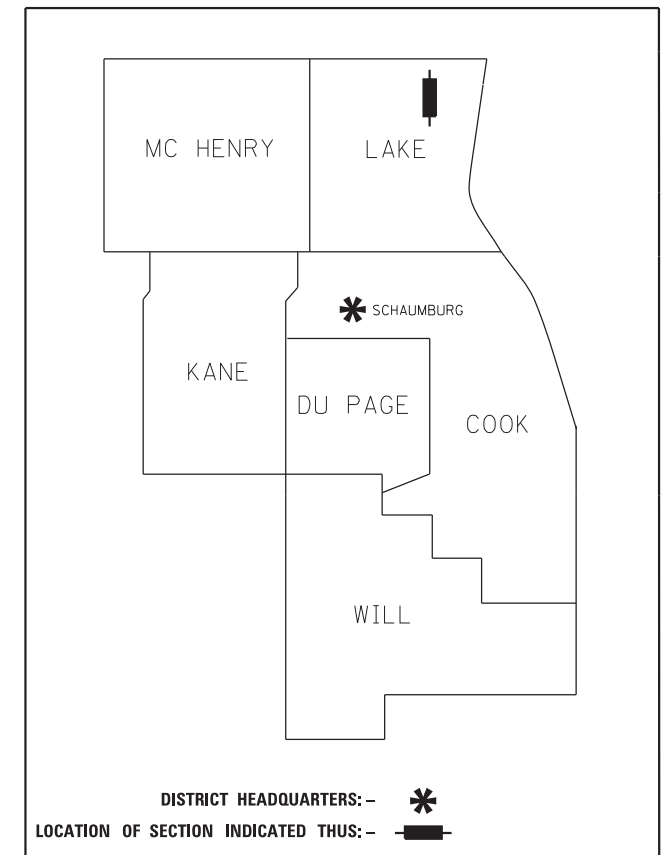
R-91-017-15

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
IM50001TE	F. GERALD O'HARA AND MARGARET C. O'HARA, HIS WIFE, AS JOINT TENANTS	2	
IM50002TE	LAND CONSERVANCY OF LAKE COUNTY, AN ILLINOIS NOT-FOR-PROFIT CORPORATION	2	
IM50003 IM50003TE	JORGE A. AYALA	2	
IM50004	LEROY BAIR AND COURTNEY BAIR AS CO-TRUSTEES OF THE IRENE BAIR LIVING TRUST DATED JANUARY 6, 1994	3	
IM50005	TOWNSHIP OF BENTON ALSO KNOWN AS THE TOWN OF BENTON	4	
IM50006 IM50006TE	VILLAGE OF BEACH PARK, AN ILLINOIS MUNICIPAL CORPORATION	4	
IM50007 IM50007TE	STATE BANK OF THE LAKES SUCCESSOR TO STATE BANK OF ANTIOCH AS TRUSTEE UNDER TRUST AGREEMENT DATED NOVEMBER 20, 1997 KNOWN AS TRUST NO. 180	6	
IM50008	THE HEIRS OR DEVISEES OF HUGH MYERS, DECEASED	5	
IM50009TE	DRD HOLDINGS, LLC	7	
IM50010TE	EFRAIN DELGADO AND CARMELA C. CASSARUBIAS, AS JOINT TENANTS	8	
IM50011TE	CHICAGO TITLE LAND TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED JULY 14, 1982 KNOWN AS TRUST NO. 105102	9	
IM50012TE	KENNETH R. DRINKWINE AND ELSIE D. DRINKWINE, CO-TRUSTEES OF THE DRINKWINE FAMILY TRUST DATE APRIL 12, 2008	9	
IM50013	CHRISTOPHER M. BARDY AND THERESE M. BARDY, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	11	
IM50014	DORIS I. FREEMAN AND CHARLES W. FREEMAN, SR., IN TENANCY BY THE ENTIRETY	11	
IM50015	COLLEN C. CHAPIN AND DEBBRA A. LARSON, IN JOINT TENANCY	11	



LOCATION MAP

GREEN BAY ROAD GROSS LENGTH = 2291.85 FT. = 0.434 MILES
 NET LENGTH = x.xx FT. = x.xxx MILE
 KENOSHA ROAD GROSS LENGTH = 916.37 FT. = 0.174 MILES
 NET LENGTH = x.xx FT. = x.xxx MILE

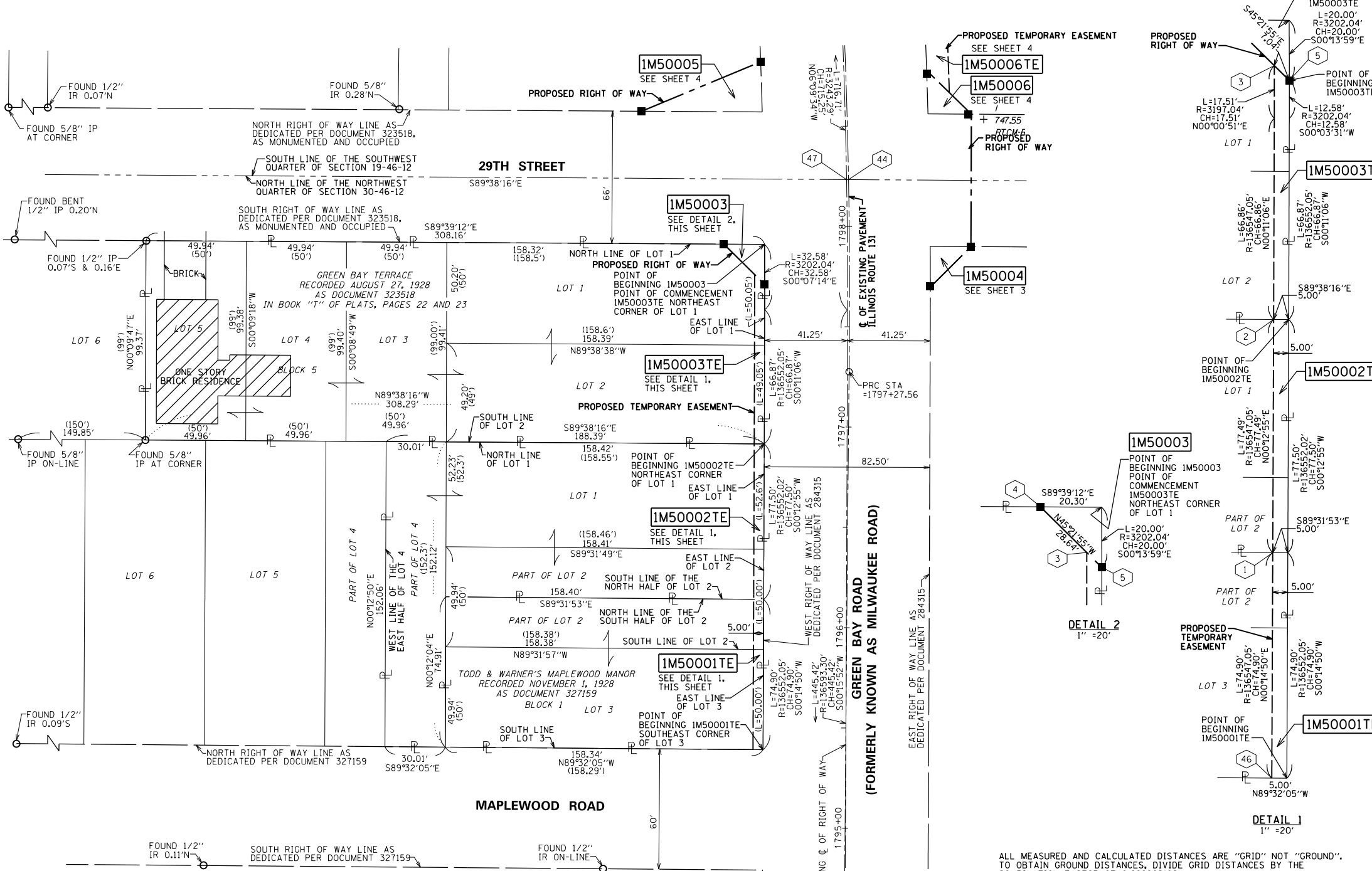


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 OF THE STATE OF ILLINOIS**

IDOT USE ONLY

RECEIVED
 JAN 18 2018
 PLATS & LEGALS

PART OF THE NORTHWEST QUARTER OF SECTION 30, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER (9 10 15 16 15 16 15)

QUARTER SECTION CORNER (16 15)

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

*MAG' NAIL SET

5 / 8" REBAR SET

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT2

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

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

RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE

FEET

SCALE: 1" = 30'

STATE OF ILLINOIS)

COUNTY OF)

THIS IS TO CERTIFY THAT I, REBECCA Y. POPECK, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 19 AND 30, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642

LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

COORDINATE/STATION TABLE
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET
1	2104111.85	1107623.67	1796+13.72	46.51 L
2	2104189.34	1107623.96	1796+91.19	46.92 L
3	2104273.71	1107624.18	1797+76.15	47.25 L
4	2104288.89	1107608.81	1797+91.67	62.54 L
5	2104258.76	1107629.19	1797+71.12	42.26 L
44	2104321.05	1107670.94	1798+23.34	0.00 R
46	2104036.95	1107623.35	1795+38.85	46.19 L
47	2104321.05	1107669.97	1798+23.36	0.97 L

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1M50001TE	0.272	0	0	0.272	0.010	04-30-103-052 04-30-103-053
1M50002TE	0.386	0	0	0.386	0.010	04-30-103-044 04-30-103-049 04-30-103-050 04-30-103-051
1M50003	0.704	0.005	203	0.699	0.009	04-30-103-045 04-30-103-046 04-30-103-047 04-30-103-048 04-30-103-055
1M50003TE						

COORDINATE/STATION TABLE (EXISTING C OF PAVEMENT CURVES - GREEN BAY ROAD)
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

CURVE NO	PI STA	NORTHING	EASTING	PC STA	NORTHING	EASTING	PT STA	NORTHING	EASTING	R	T	L
1	1790+07.05	2103504.79	1107664.31	1782+86.53	2102784.27	1107664.65	1797+27.56	2104225.28	1107671.23	142868.70	720.52	1441.04
2	1801+01.61	2104599.30	1107675.63	1797+27.56	2104225.28	1107671.23	1804+72.37	2104964.50	1107594.78	3243.29	374.05	744.80

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999962182.

COORDINATES ARE WILL BE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT). NGS MONUMENT "TM04 CORS BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

- NOTES:
- ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
 - ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
 - ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
 - FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
 - ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - AREAS SHOWN ON THIS PLAT ARE "GROUND".

RECEIVED
MAR 10 2017
PLATS & LEGALS

SPACECO INC.

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

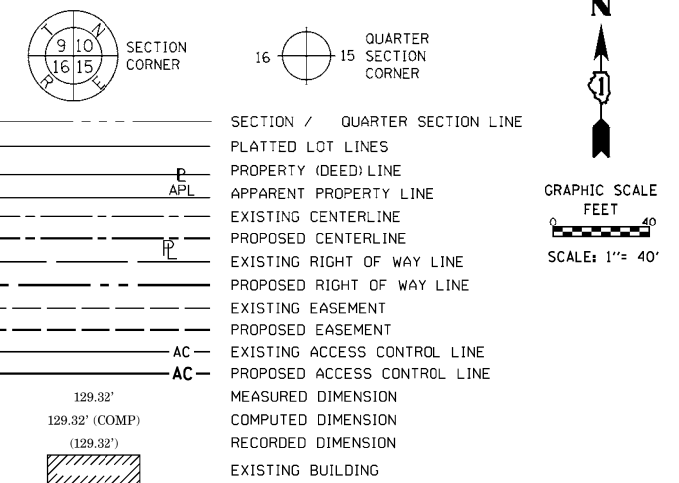
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 131

LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
SECTION: STA. 1795+38.85 JOB NO.: R-91-017-15
SCALE: 1" = 30' TO STA. 1798+23.36
SHEET 2 OF 11 SHEETS

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

PART OF THE NORTHWEST AND NORTHEAST QUARTERS OF SECTION 30, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



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COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT), NGS MONUMENT "TMO4 COR'S BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

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NOTES:

1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
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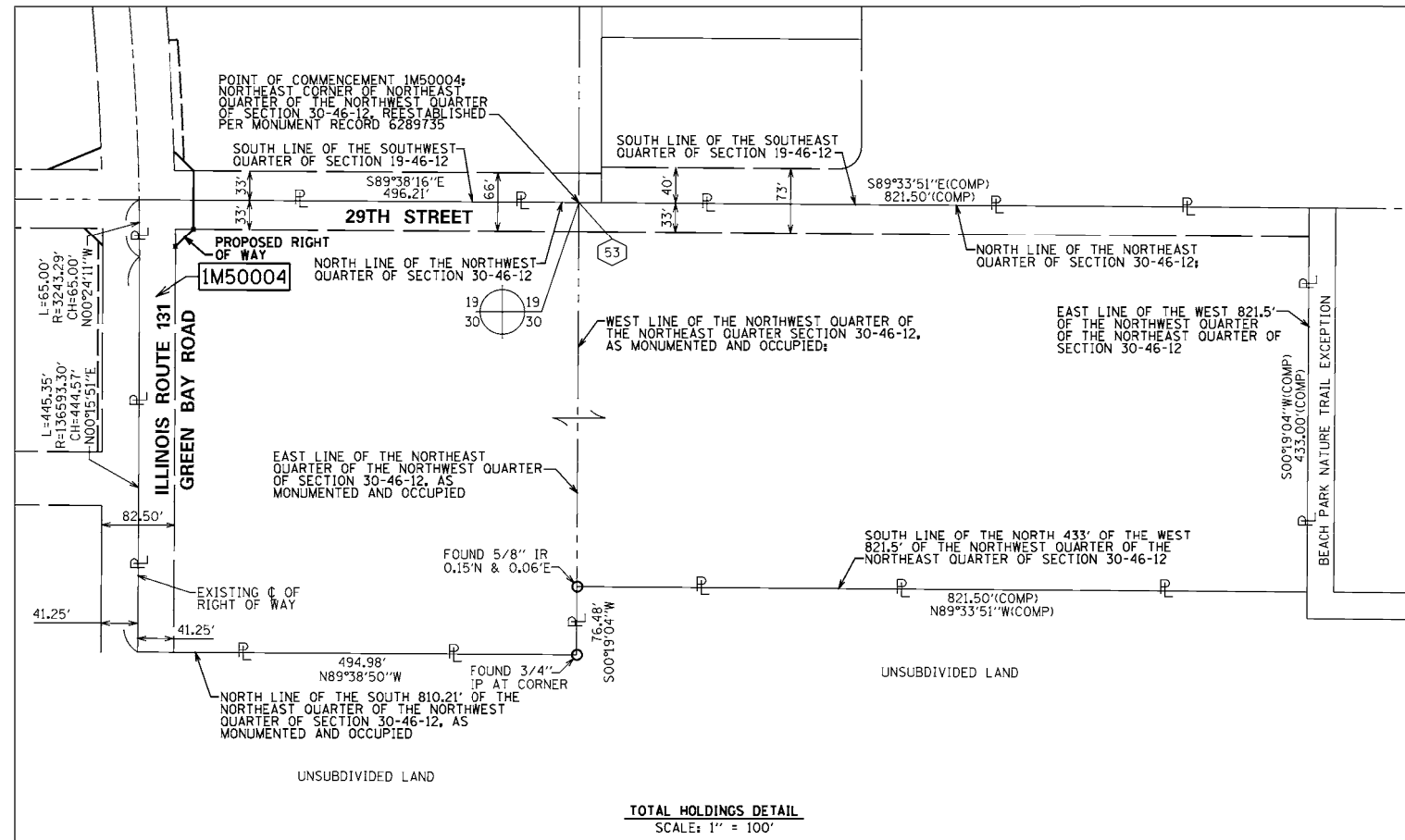
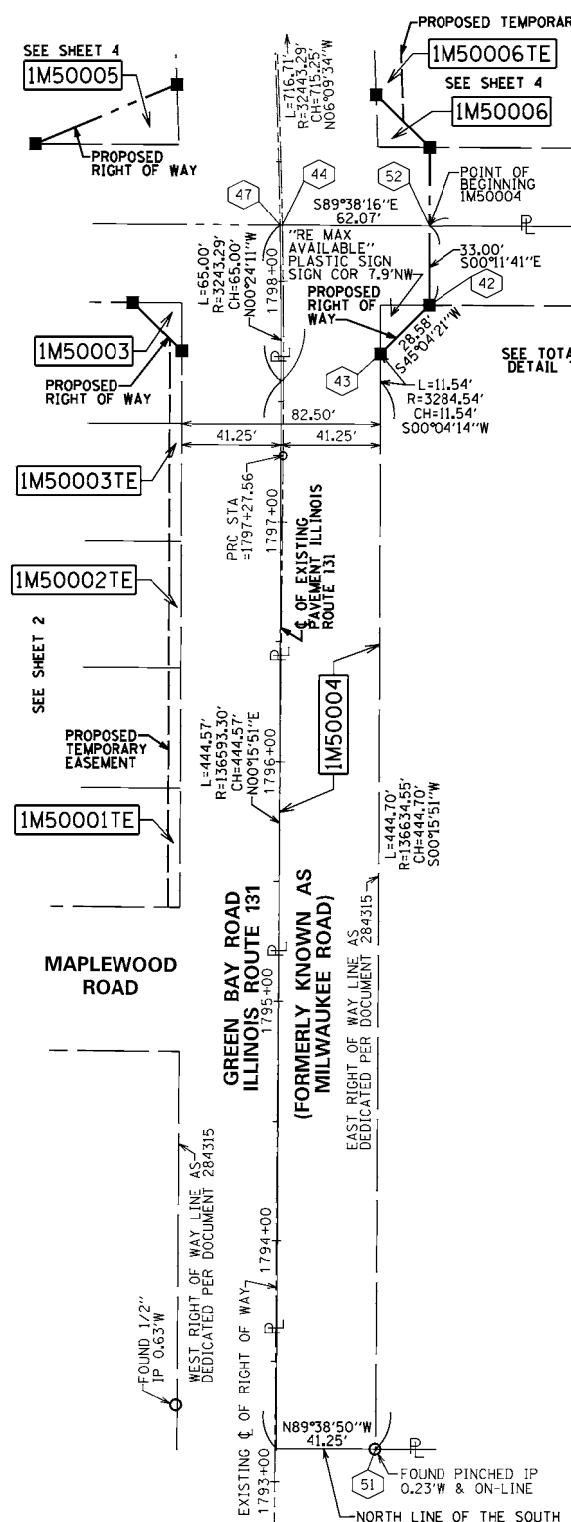
COORDINATE/STATION TABLE (EXISTING C OF PAVEMENT CURVES - GREEN BAY ROAD)
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

CURVE NO	PISTA	NORTHING	EASTING	PC STA	NORTHING	EASTING	PT STA	NORTHING	EASTING	R	T	L
1	1790+07.05	2103504.79	1107664.31	1782+86.53	2102784.27	1107664.65	1797+27.56	2104225.28	1107671.23	142868.70	720.52	1441.04
2	1801+01.61	2104599.30	1107675.63	1797+27.56	2104225.28	1107671.23	1804+72.37	2104964.50	1107594.78	3243.29	374.05	744.80

COORDINATE/STATION TABLE
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET
42	2104287.66	1107731.93	1797+89.51	60.57 R
43	2104267.48	1107711.69	1797+69.71	40.24 R
44	2104321.05	1107670.94	1798+23.34	0.00 R
47	2104321.05	1107669.97	1798+23.36	0.97 L
51	2103811.24	1107709.63	1793+13.79	41.78 R
52	2104320.66	1107732.04	1798+21.89	61.09 R
53	2104317.92	1108166.17	1798+12.99	495.12 R

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN		REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET		ACRES	SQUARE FEET	
IM50004	13.958	0.499	0.494	13.459			04-30-200-037



TOTAL HOLDINGS DETAIL
SCALE: 1" = 100'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- 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, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- 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 PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF)

THIS IS TO CERTIFY THAT I, REBECCA Y. POPECK, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, SPACECO, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 19 AND 30, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

SPACECO INC.
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS
9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 131

LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
SECTION: STA. 1797+89.51 JOB NO.: R-91-017-15
SCALE: 1" = 40' TO STA. 1798+23.36
SHEET 3 OF 11 SHEETS

IDOT USE ONLY
RECEIVED
MAR 10 2017
PLATS & LEGALS

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

PART OF THE SOUTHWEST QUARTER OF SECTION 19, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999962182.

COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT), NGS MONUMENT "TMD4 CORS BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

NOTES:

1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
5. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
6. AREAS SHOWN ON THIS PLAT ARE "GROUND".

"A" = A POINT (94.2') NORTH OF THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 19-46-12

STATE OF ILLINOIS)
)SS
 COUNTY OF)

THIS IS TO CERTIFY THAT I, REBECCA Y. POPECK, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 19 AND 30, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

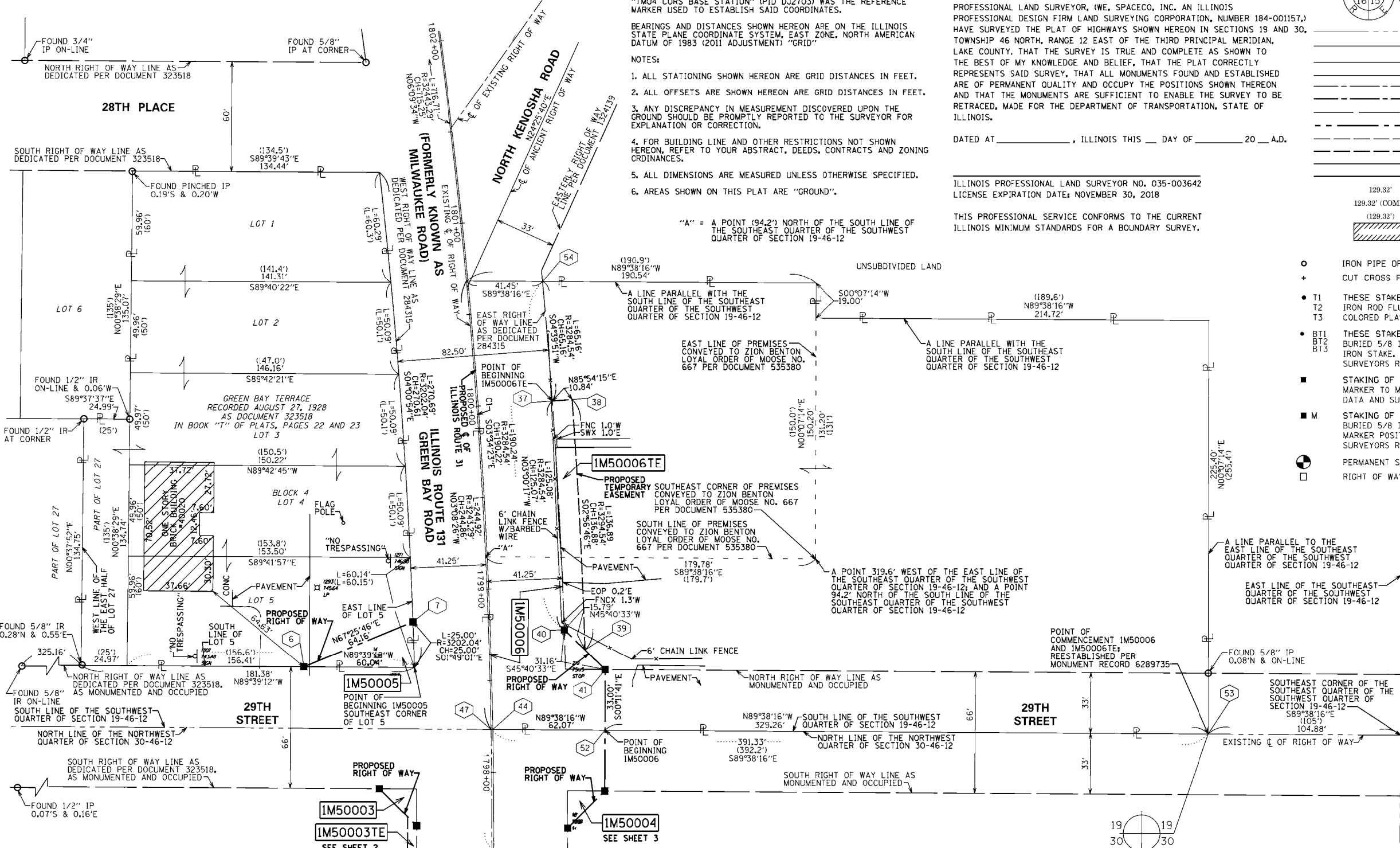
DATED AT _____, ILLINOIS THIS ___ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING
 LIGHT (LP)
 SIGN
 EDGE OF PAVEMENT
 FNCX FENCE CORNER
 SWX SIDEWALK CORNER
 IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 *MAG NAIL SET
 5 / 8" REBAR SET
 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET



COORDINATE/STATION TABLE (PROPOSED CURVES - GREEN BAY ROAD)
 ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

CURVE NO	PI STA	NORTHING	EASTING	PC STA	NORTHING	EASTING	PT STA	NORTHING	EASTING	R	T	L
1	1790+07.05	2103504.79	1107664.31	1782+86.53	2102784.27	1107664.65	1797+27.56	2104225.28	1107671.23	142868.70	720.52	1441.04
2	1801+01.61	2104599.30	1107675.63	1797+27.56	2104225.28	1107671.23	1804+72.37	2104964.50	1107594.78	3243.29	374.05	744.80

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET	
IM50005	0.990	0.017		0	0.973			04-19-313-056
IM50006 IM50006TE	2.132	0.253		0.248	1.879	0.033		04-19-300-019

COORDINATE/STATION TABLE
 ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET
6	2104355.14	1107567.92	1798+60.42	102.19 L
7	2104379.76	1107627.16	1798+83.60	42.18 L
37	2104500.33	1107703.31	1799+99.91	40.41 R
38	2104501.11	1107714.12	1799+99.90	51.25 R
39	2104364.41	1107721.16	1798+65.14	51.25 R
40	2104375.44	1107709.86	1798+76.37	40.32 R
41	2104353.66	1107732.16	1798+54.27	61.93 R
44	2104321.05	1107670.94	1798+23.34	0.00 R
47	2104321.05	1107669.97	1798+23.36	0.97 L
52	2104320.66	1107732.04	1798+21.89	61.09 R
53	2104317.92	1108166.17	1798+12.99	495.12 R
54	2104565.28	1107698.01	1800+64.27	40.45 R

REVISION DATE: 03/10/2017 REVISION MADE BY: JL

SPACECO INC. CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS
 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

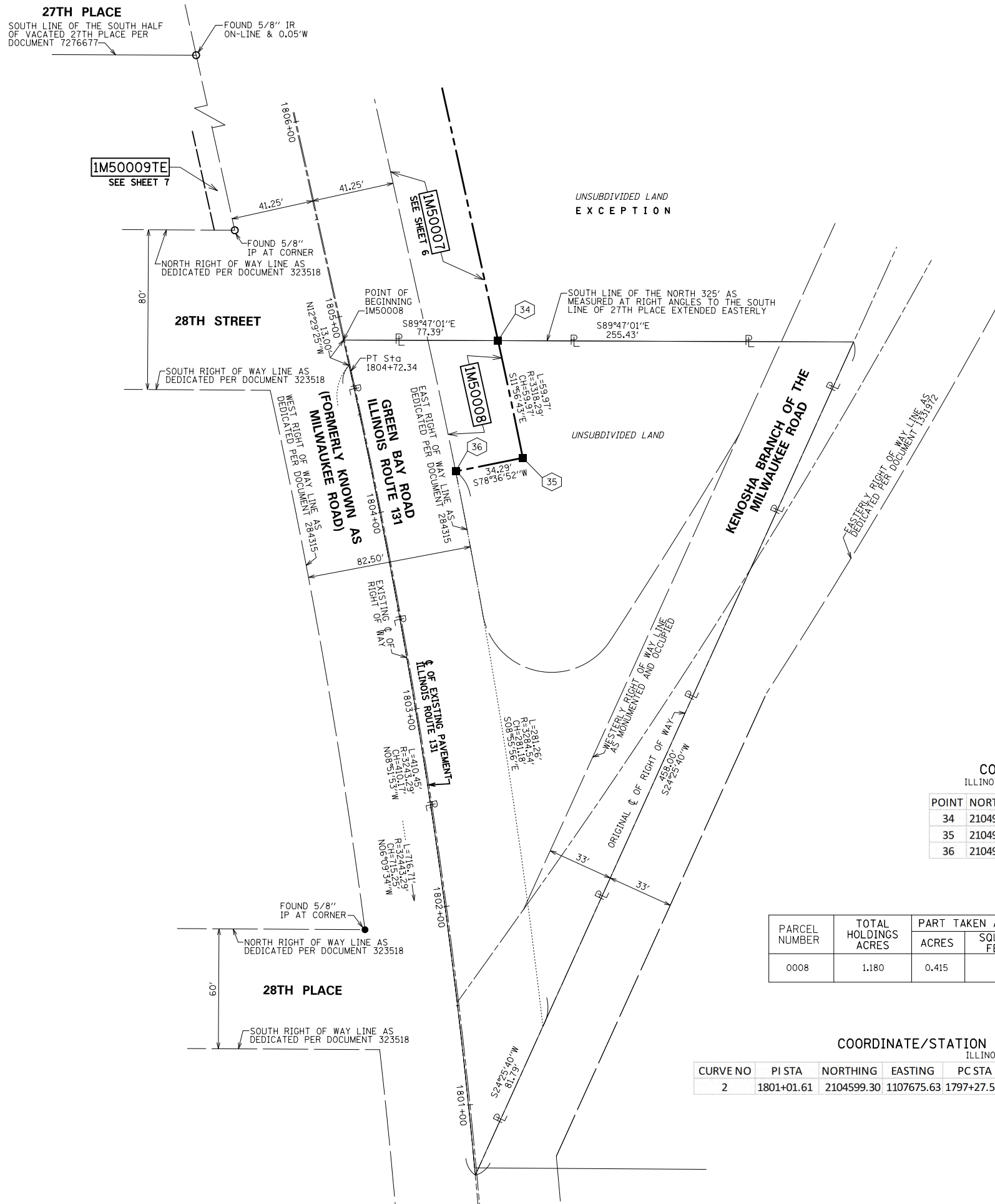
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 131

LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
 SECTION: STA. 1798+23.34 TO STA. 1799+99.91
 SCALE: 1" = 30'
 SHEET 4 OF 11 SHEETS

RECEIVED
 MAR 10 2017
 PLATS & LEGALS

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

PART OF THE SOUTHWEST QUARTER OF SECTION 19, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999962182.

COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT), NGS MONUMENT "TM04 CORS BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

NOTES:

1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
5. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
6. AREAS SHOWN ON THIS PLAT ARE "GROUND".

LEGEND

SECTION CORNER: 9 10 15 16

QUARTER SECTION CORNER: 16 15

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPL APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

GRAPHIC SCALE: 1" = 30'

SCALE: 1" = 30'

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

MAG NAIL SET

5 / 8" REBAR SET

T1, T2, T3: THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1, BT2, BT3: THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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

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

RIGHT OF WAY STAKING PROPOSED TO BE SET

COORDINATE/STATION TABLE
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
34	2104979.58	1107668.26	1804+71.23	75.00	R
35	2104920.91	1107680.67	1804+12.61	75.00	R
36	2104914.14	1107647.06	1804+12.64	40.71	R

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET	
0008	1.180	0.415		0.365	0.765			04-19-300-017

COORDINATE/STATION TABLE (PROPOSED CURVES - GREEN BAY ROAD)
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

CURVE NO	PI STA	NORTHING	EASTING	PC STA	NORTHING	EASTING	PT STA	NORTHING	EASTING	R	T	L
2	1801+01.61	2104599.30	1107675.63	1797+27.57	2104225.28	1107671.23	1804+72.37	2104964.5	1107594.78	3243.29	374.05	744.80

STATE OF ILLINOIS)
COUNTY OF)

THIS IS TO CERTIFY THAT I, REBECCA Y. POPECK, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 19 AND 30, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

IDOT USE ONLY
RECEIVED
MAR 10 2017
PLATS & LEGALS

SPACECO INC.

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 131

LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
SECTION: TO STA. JOB NO.: R-91-017-15
TO STA. SHEET 5 OF 11 SHEETS

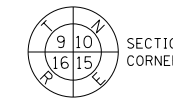
SCALE: 1" = 30'

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

REVISION DATE: / / REVISION MADE BY:

PART OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 19, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



SECTION CORNER



QUARTER SECTION CORNER



GRAPHIC SCALE
FEET
0 50
SCALE: 1" = 50'

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

- AUXILIARY VALVE
- ⊕ FIRE HYDRANT
- ⊕ FLARED END SECTION
- IRON PIPE OR ROD FOUND
- ⊕ 'MAG' NAIL SET
- ⊕ 5 / 8" REBAR SET
- ⊕ FN CX FENCE CORNER
- + CUT CROSS FOUND OR SET
- 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 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF)

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

COORDINATE/STATION TABLE
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
20	2105645.13	1107496.59	1811+58.13	51.25	R
21	2105490.77	1107530.77	1810+00.03	51.25	R
22	2105488.50	1107520.45	1810+00.04	40.69	R
23	2105494.19	1107546.14	1810+00.04	67.00	R
24	2105416.24	1107563.40	1809+20.21	67.00	R
25	2105380.36	1107599.28	1000+94.28	50.00	L
26	2105414.54	1107753.69	1002+52.43	50.00	L
27	2105641.44	1108077.21	1006+97.35	50.00	L
28	2105640.99	1108147.02	1007+33.74	10.37	R
29	2105478.52	1108073.22	1005+67.88	50.00	R
30	2105316.91	1107775.30	1002+52.43	50.00	R
31	2105293.07	1107667.62	1001+42.14	50.00	R
32	2105264.43	1107630.80	1001+00.00	70.00	R
33	2105197.14	1107620.10	1806+94.03	75.00	R
34	2104979.58	1107668.26	1804+71.23	75.00	R
45	2105645.47	1107444.03	1811+69.82	0.00	R
48	2105645.47	1107443.43	1811+69.95	0.58	L
55	2105641.07	1108135.20	1007+28.13	0.00	R

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999962182.

COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT). NGS MONUMENT "TMO4 CORS BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

NOTES:

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- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

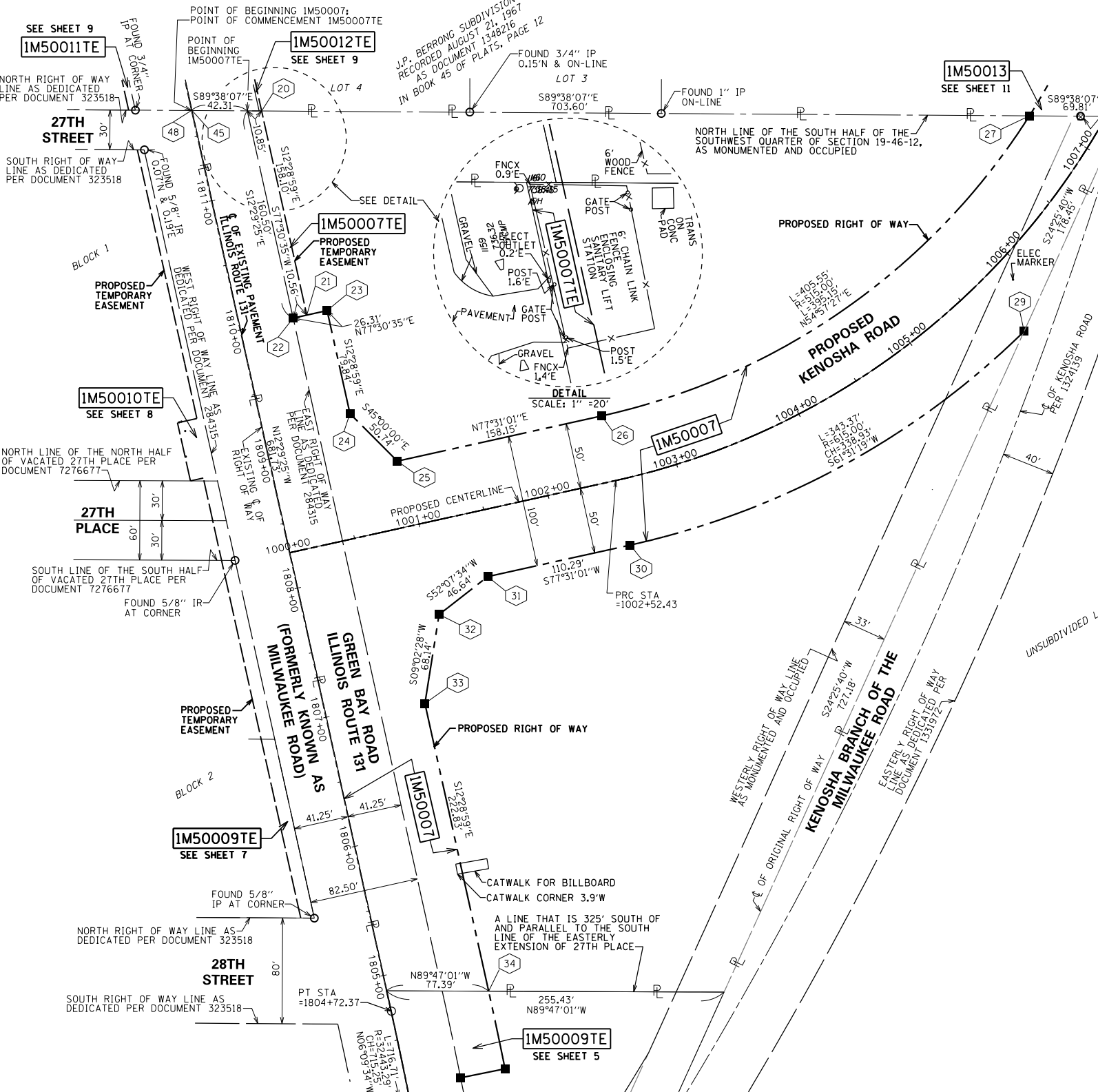
IDOT USE ONLY

RECEIVED
MAR 20 2017
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 131

LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
SECTION: STA. 1000+00.00 TO STA. 1007+33.74
SCALE: 1" = 50' SHEET 6 OF 11 SHEETS

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



COORDINATE/STATION TABLE (PROPOSED CURVES - GREEN BAY ROAD)
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

CURVE NO	PI STA	NORTHING	EASTING	PC STA	NORTHING	EASTING	PT STA	NORTHING	EASTING	R	T	L
2	1801+01.61	2104599.30	1107675.63	1797+27.57	2104225.28	1107671.2	1804+72.37	2104964.5	1107595	3243.29	374.05	744.80

COORDINATE/STATION TABLE (PROPOSED CURVES - PROPOSED KENOSHA ROAD)
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

CURVE NO	PI STA	NORTHING	EASTING	PC STA	NORTHING	EASTING	PT STA	NORTHING	EASTING	R	T	L
3	1005+77.75	2105436.04	1108082.13	1002+52.43	2105365.73	1107764.50	1008+42.77	2105746.05	1108180.77	565.00	325.32	590.34

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES (NORTH)	REMAINDER AREA ACRES (SOUTH)	TOTAL REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET					ACRES	SQUARE FEET	
IM50007	7.312	2.480		0.804	2.394	2.438	4.832			04-19-300-016
IM50007TE								0.039		

REVISION DATE: 03/21/2017 REVISION MADE BY: JL

PART OF THE SOUTHWEST QUARTER OF SECTION 19, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



SECTION CORNER



QUARTER SECTION CORNER



GRAPHIC SCALE
FEET
0 20
SCALE: 1" = 20'

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

- IRON PIPE OR ROD FOUND
- ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- 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, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- 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 PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

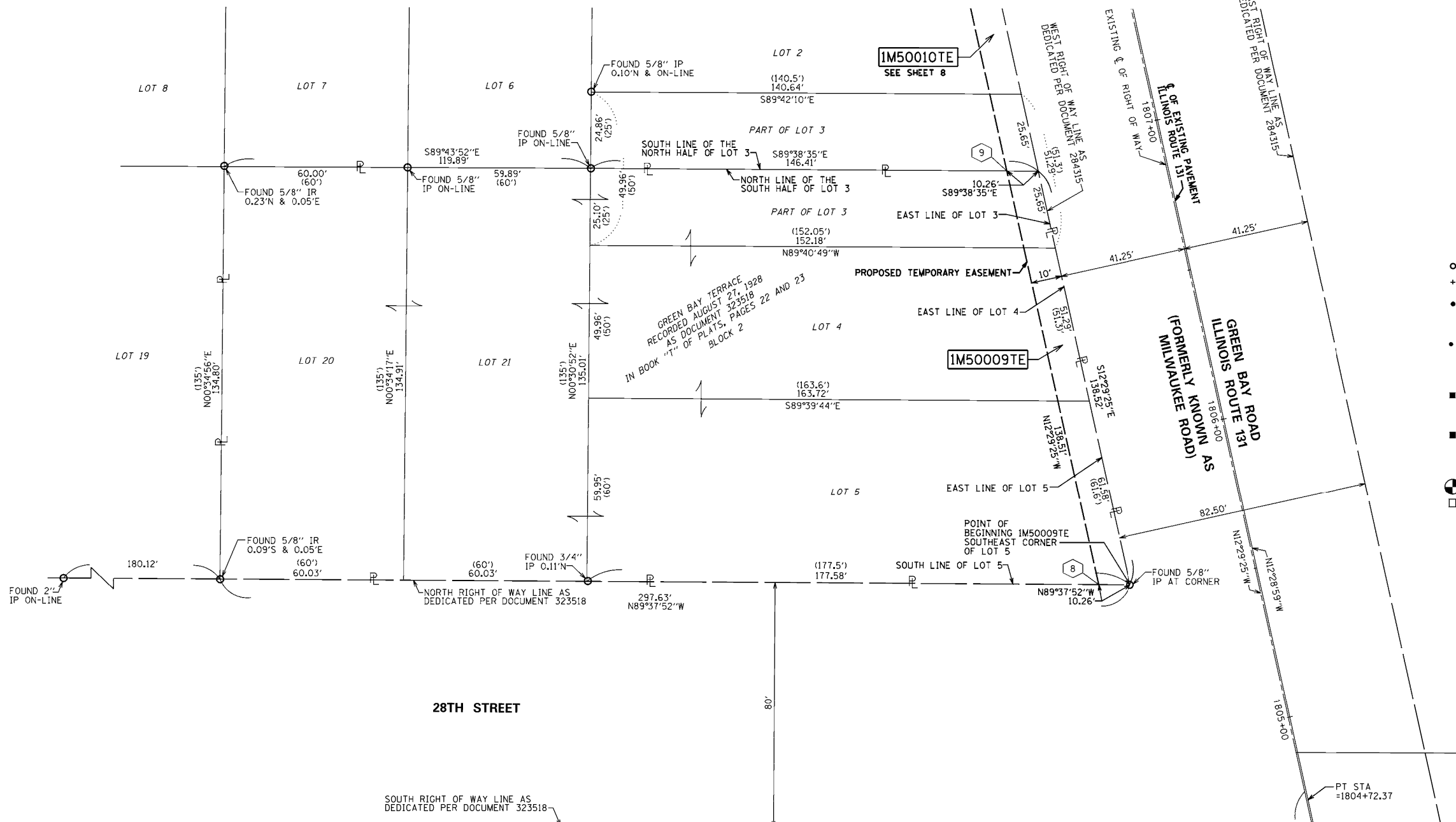
STATE OF ILLINOIS)
COUNTY OF)

THIS IS TO CERTIFY THAT I, REBECCA Y. POECK, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 19 AND 30, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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



COORDINATE/STATION TABLE
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET
8	2105034.90	1107526.19	1805+55.92	51.75 L
9	2105170.13	1107496.24	1806+94.43	51.77 L

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET	
1M50009TE	0.874	0	0	0	0.874	0.032		04-19-307-028 04-19-307-029 04-19-307-030 04-19-307-031 04-19-307-035 04-19-307-036 04-19-307-037 04-19-307-038 04-19-307-039

COORDINATE/STATION TABLE (EXISTING C OF PAVEMENT CURVES - GREEN BAY ROAD)
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

CURVE NO	PI STA	NORTHING	EASTING	PC STA	NORTHING	EASTING	PT STA	NORTHING	EASTING	R	T	L
2	1801+01.61	2104599.30	1107675.63	1797+27.57	2104225.28	1107671.2	1804+72.37	2104964.5	1107595	3243.29	374.05	744.80

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999962182.

COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT). NGS MONUMENT "TMO4 CORS BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

NOTES:

- ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
- ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
- ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
- FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: 03/10/2017 REVISION MADE BY: JL

SPACECO INC.
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

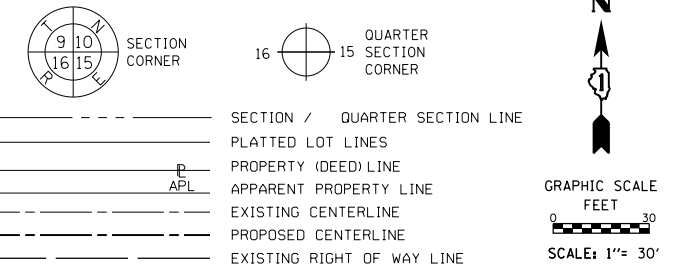
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 131

LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
SECTION: STA. 1805+55.92 TO STA. 1806+94.43 JOB NO.: R-91-017-15
SCALE: 1" = 20' SHEET 7 OF 11 SHEETS

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

IDOT USE ONLY
RECEIVED
MAR 10 2017
PLATS & LEGALS

LEGEND



- IRON PIPE OR ROD FOUND
- ⊕ *MAG NAIL SET
- ⊕ FNCND FENCE END
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- FNCX FENCE CORNER
- 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, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) JSS
 COUNTY OF)

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

COORDINATE/STATION TABLE
 ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
9	2105170.13	1107496.24	1806+94.43	51.77	L
10	2105367.58	1107452.50	1808+96.67	51.80	L
11	2105365.42	1107442.73	1808+96.67	61.80	L
12	2105409.36	1107433.00	1809+41.67	61.80	L
13	2105412.60	1107447.65	1809+41.67	46.80	L
14	2105615.73	1107402.65	1811+49.73	46.83	L
45	2105645.47	1107444.03	1811+69.82	0.00	R
48	2105645.47	1107443.43	1811+69.95	0.58	L

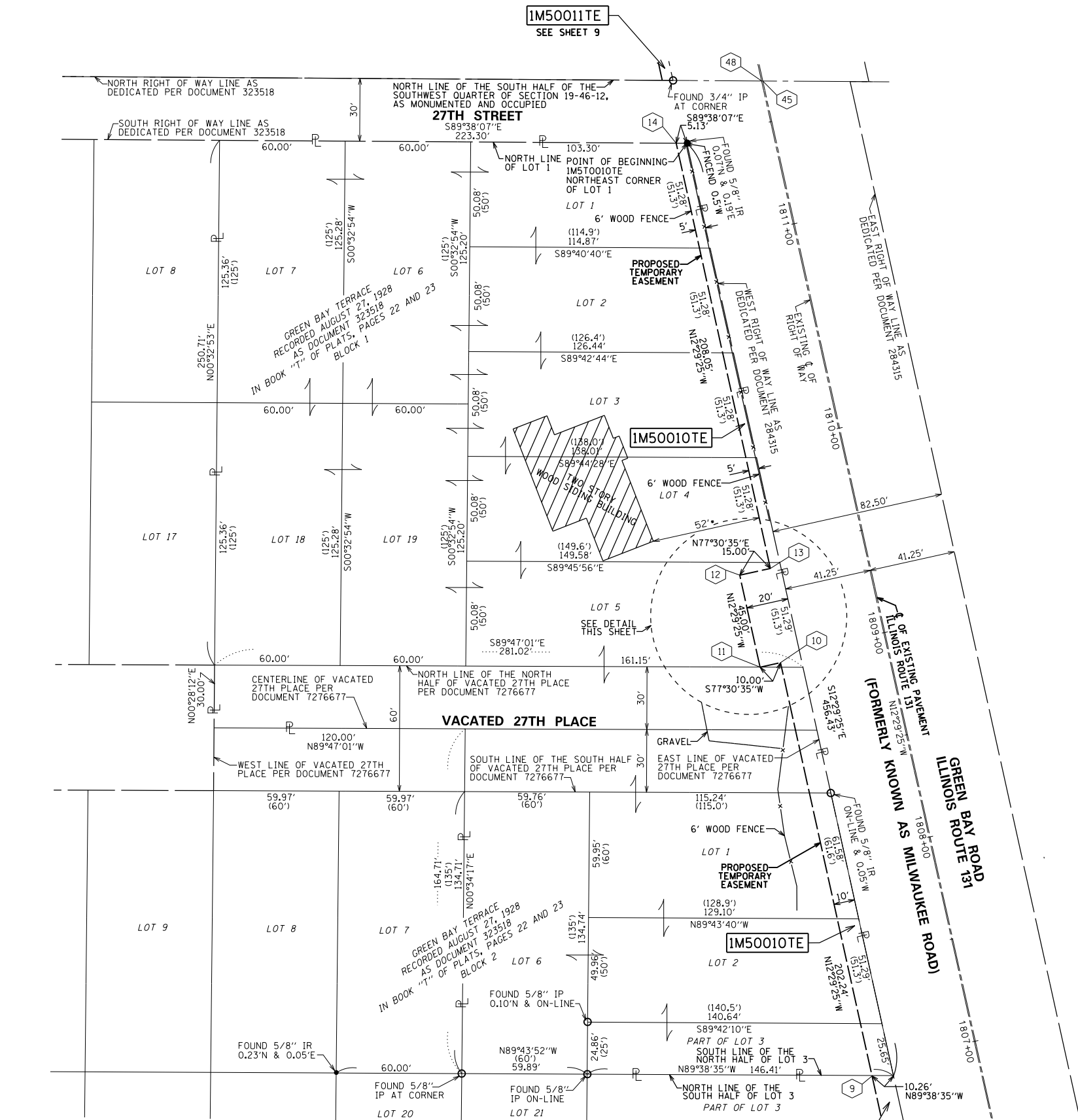
ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999962182.

COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT), NGS MONUMENT "TMO4 CORS BASE STATION" (PID D2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

- NOTES:
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 2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
 3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
 5. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 6. AREAS SHOWN ON THIS PLAT ARE "GROUND".
 7. * DENOTES APPROXIMATE TIE TO BUILDING CORNER DUE TO INACCESSIBILITY.

REVISION DATE: 03/14/2017 REVISION MADE BY: JL
 REVISION DATE: 03/10/2017 REVISION MADE BY: JL



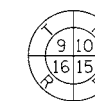
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET	
IM50010TE	2.354	0	0	0	2.354	0.091		04-19-304-039 04-19-304-040 04-19-304-041 04-19-307-015 04-19-307-032 04-19-307-033 04-19-307-034

IDOT USE ONLY
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 MAR 14 2017
 PLATS & LEGALS

SPACECO INC.
 CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS
 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 131
 LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
 SECTION: STA. 1806+94.43 JOB NO.: R-91-017-15
 TO STA. 1811+69.95
 SCALE: 1" = 30' SHEET 8 OF 11 SHEETS
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

LEGEND



SECTION CORNER



QUARTER SECTION CORNER



GRAPHIC SCALE
FEET
0 20
SCALE: 1" = 20'

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

- IRON PIPE OR ROD FOUND
- ⊕ 'MAG' NAIL SET
- ⊙ CATCH BASIN (CB)
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- FNXC FENCE CORNER
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STATE OF ILLINOIS)
COUNTY OF)

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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



CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
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Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 131

LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
SECTION: STA. 1811+58.26 TO STA. 1813+30.04
SCALE: 1" = 20' SHEET 9 OF 11 SHEETS

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

RECEIVED
MAR 10 2017
PLATS & LEGALS

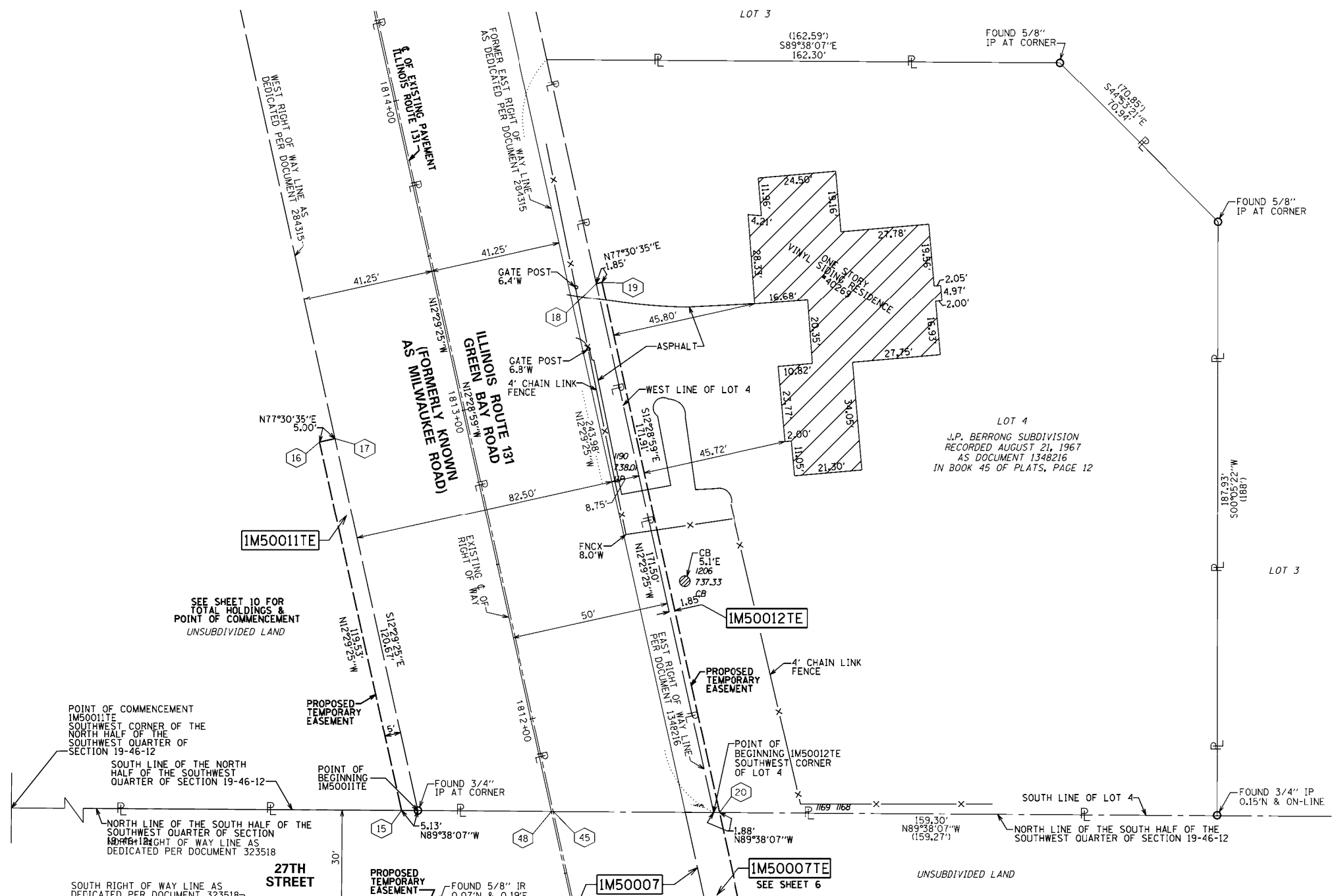
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COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT). NGS MONUMENT "TM04 CORS BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

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REVISION DATE: 03/10/2017 REVISION MADE BY: JL



COORDINATE/STATION TABLE
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET
15	2105645.77	1107396.00	1811+80.50	46.83 L
16	2105762.47	1107370.14	1813+00.03	46.85 L
17	2105763.55	1107375.03	1813+00.03	41.85 L
18	2105812.58	1107457.63	1813+30.04	49.40 R
19	2105812.98	1107459.43	1813+30.04	51.25 R
20	2105645.13	1107496.59	1811+58.13	51.25 R
45	2105645.47	1107444.03	1811+69.82	0.00 R
48	2105645.47	1107443.43	1811+69.95	0.58 L

* AREA OF CONTIGUOUS PROPERTY/TOTAL HOLDINGS WAS CALCULATED FROM COUNTY ASSESSOR RECORDS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET	
IM5001ITE	150.77*					0.014		03-24-200-002 03-24-400-003 04-19-300-002 04-19-300-003 04-19-300-001
IM50012TE	0.986	0		0	0.986	0.007	316	04-19-301-004

PART OF THE WEST HALF OF SECTION 19 AND PART OF THE EAST HALF OF SECTION 24, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999962182.

COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT). NGS MONUMENT "TMO4 CORS BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

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STATE OF ILLINOIS)
)SS
COUNTY OF)

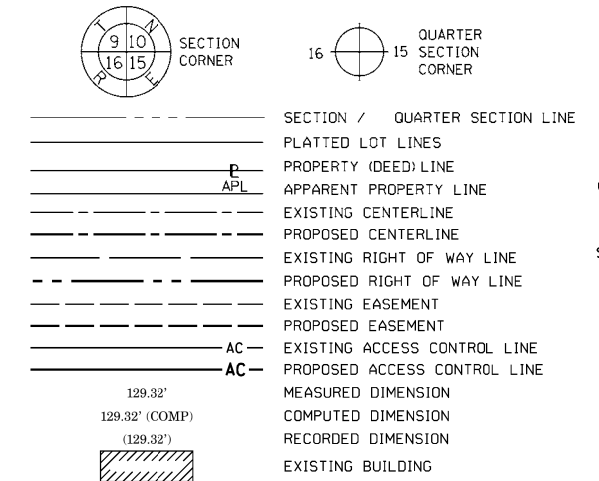
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DATED AT _____, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

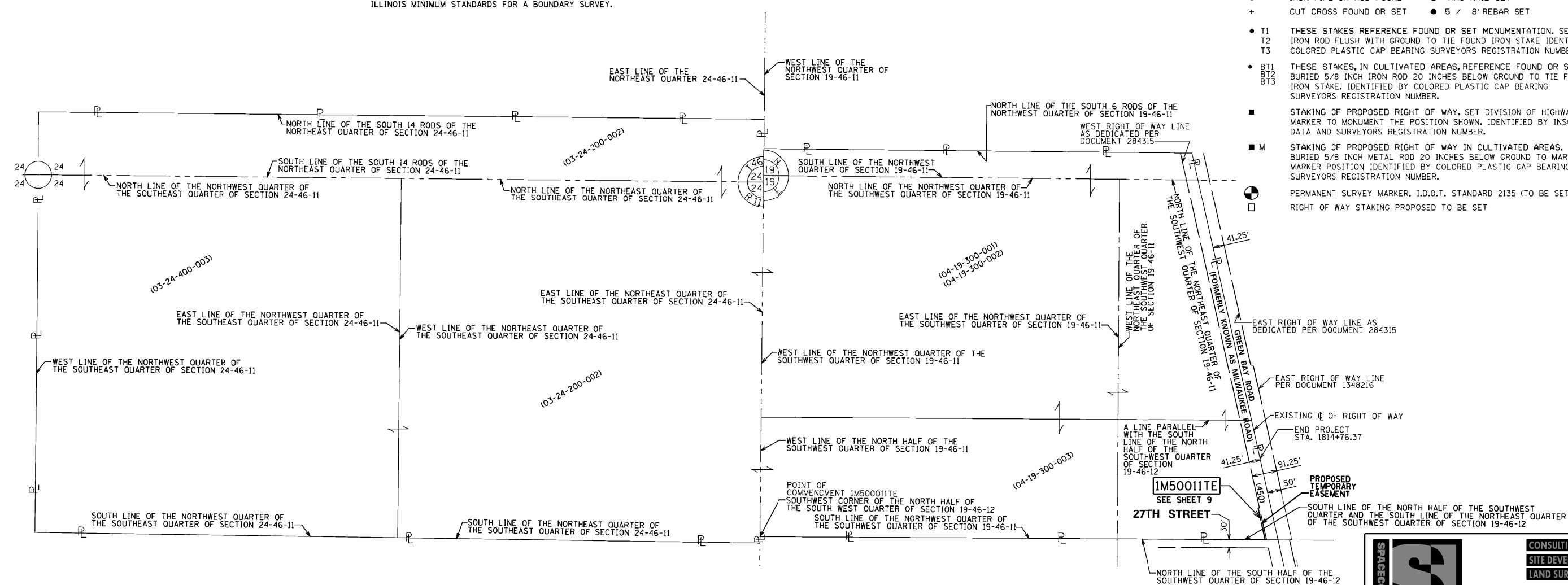
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

LEGEND



- IRON PIPE OR ROD FOUND ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- 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.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET



* AREA OF CONTIGUOUS PROPERTY/TOTAL HOLDINGS WAS CALCULATED FROM COUNTY ASSESSOR RECORDS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES		REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET		ACRES	SQUARE FEET	
1M50011TE	150.77*				0.014		03-24-200-002 03-24-400-003 04-19-300-002 04-19-300-003 04-19-300-001

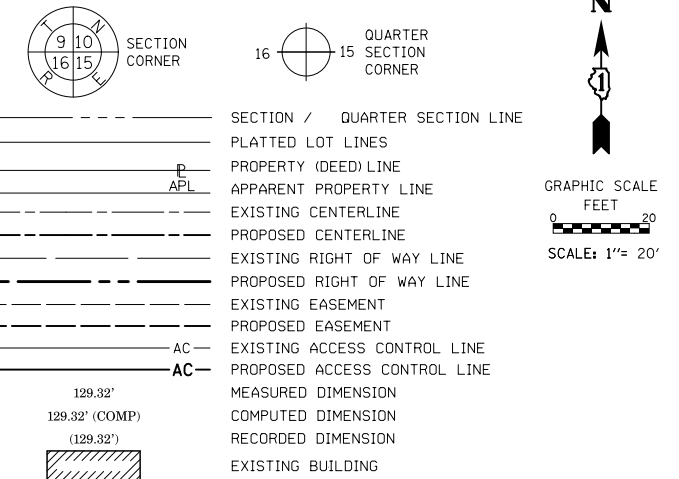
SPACECO INC.
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9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 131
LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
SECTION: STA. 1811+58.26 TO STA. 1814+76.37
SCALE: 1" = 200' SHEET 10 OF 11 SHEETS
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY
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MAR 10 2017
PLATS & LEGALS

PART OF THE SOUTHWEST AND SOUTHEAST QUARTERS OF SECTION 19, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROD FOUND ⊕ *MAG' NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- 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, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- 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 PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

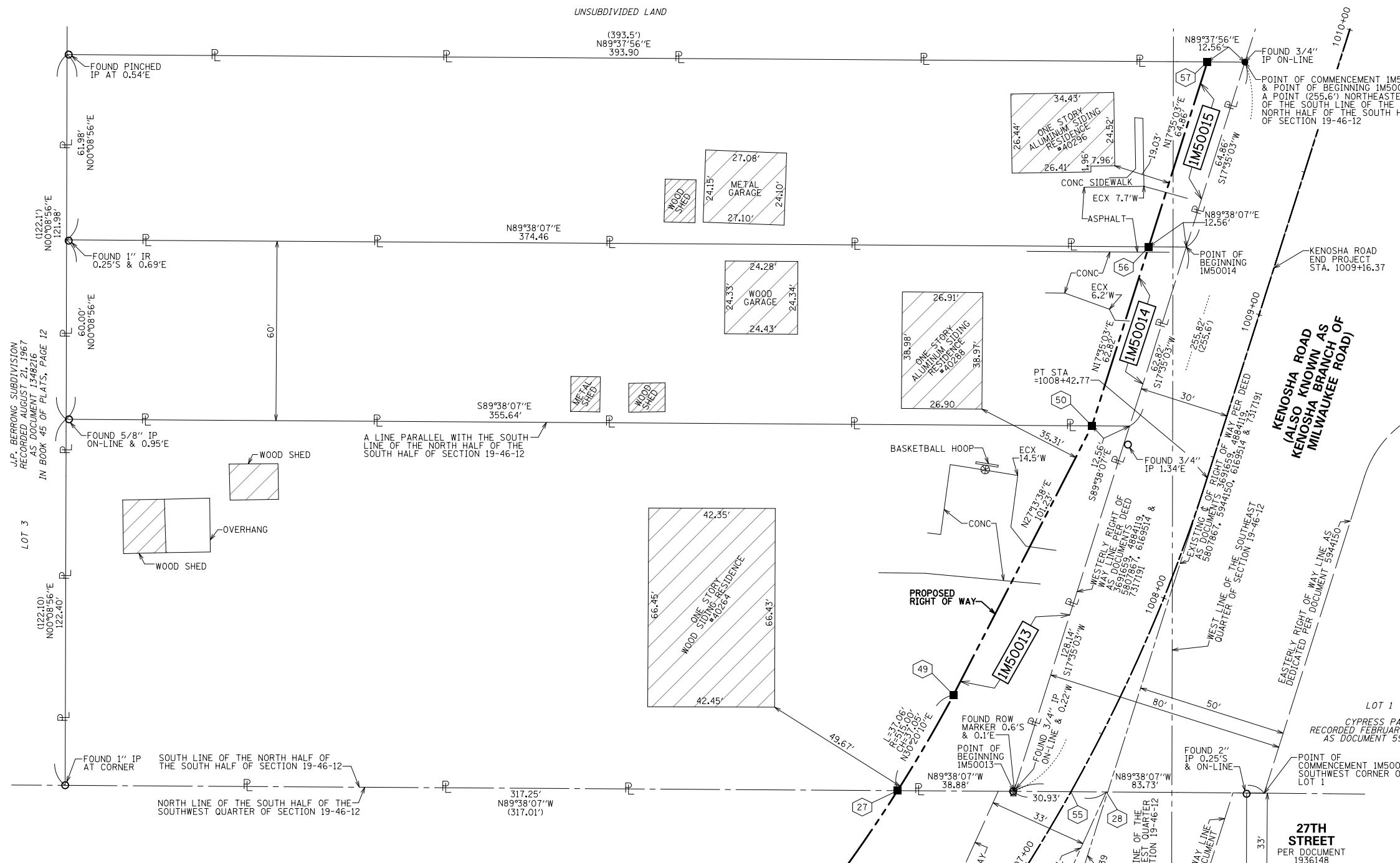
STATE OF ILLINOIS)
) SS
 COUNTY OF)

THIS IS TO CERTIFY THAT I, REBECCA Y. POPECK, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 19 AND 30, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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



COORDINATE/STATION TABLE
 ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
27	2105641.44	1108077.21	1006+97.35	50.00	L
28	2105640.99	1108147.02	1007+33.74	10.37	R
49	2105973.42	1108095.93	1007+38.01	50.00'	L
50	2105763.43	1108142.24	1008+47.64	41.99	L
55	2105641.07	1108135.20	1007+28.13	0.00	R
56	2105823.31	1108161.21	1009+10.46	42.06	L
57	2105885.14	1108180.81	1009+75.32	42.14	L

COORDINATE/STATION TABLE (PROPOSED CURVES - GREEN BAY ROAD)
 ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

CURVE NO	PI STA	NORTHING	EASTING	PC STA	NORTHING	EASTING	PT STA	NORTHING	EASTING	R	T	L
3	1005+77.75	2105436.04	1108082.13	1002+52.43	2105365.73	1107764.50	1008+42.77	2105746.05	1108180.77	565.00	325.32	590.34

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING SQUARE FEET	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
1M50013	0.945	0.070		0.875			04-19-300-015
1M50014	0.503	0.017		0.486			04-19-300-014
1M50015	0.547	0.018		0.529			04-19-300-013

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999962182.

COORDINATES ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011 ADJUSTMENT). NGS MONUMENT "TM04 CORS BASE STATION" (PID DJ2703) WAS THE REFERENCE MARKER USED TO ESTABLISH SAID COORDINATES.

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

- NOTES:
1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
 2. ALL OFFSETS ARE SHOWN HEREON ARE GRID DISTANCES IN FEET.
 3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.
 5. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 6. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: 03/10/2017 REVISION MADE BY: JL

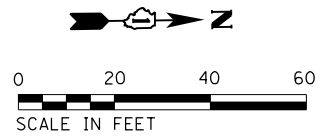
SPACECO INC.
 CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS
 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 131

LIMITS: 29TH ST. TO PROPOSED KENOSHA RD. COUNTY: LAKE
 SECTION: STA. 1006+97.35 JOB NO.: R-91-017-15
 STA. 1006+97.35 TO STA. 1008+48.26
 SCALE: 1" = 20' SHEET 11 OF 11 SHEETS

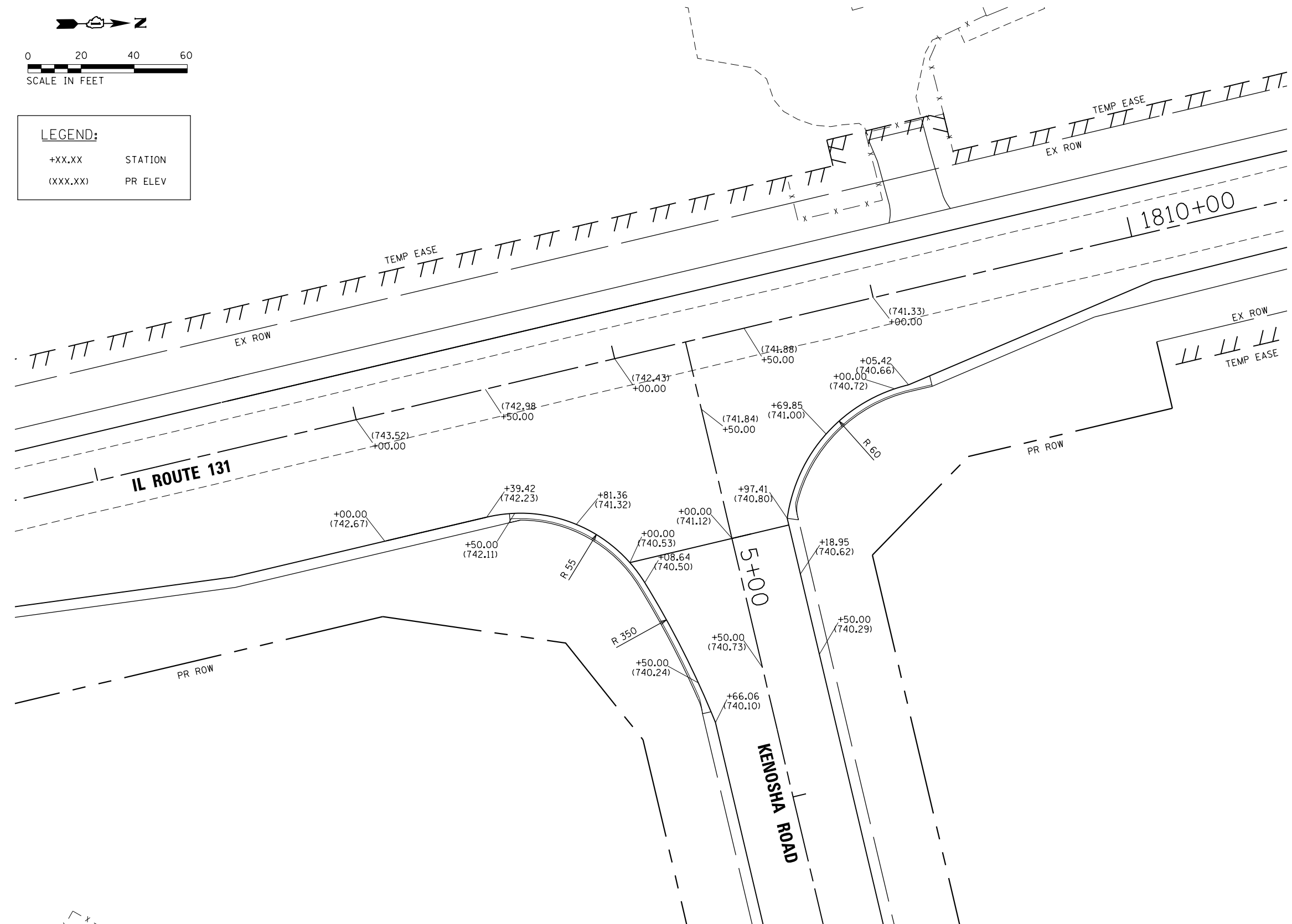
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

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 MAR 10 2017
 PLATS & LEGALS



LEGEND:

+XX.XX	STATION
(XXX.XX)	PR ELEV



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: bhartma
 DATE PLOTTED: 3/27/2019 4:36:31 PM
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 PEN TABLE: plot.tbl



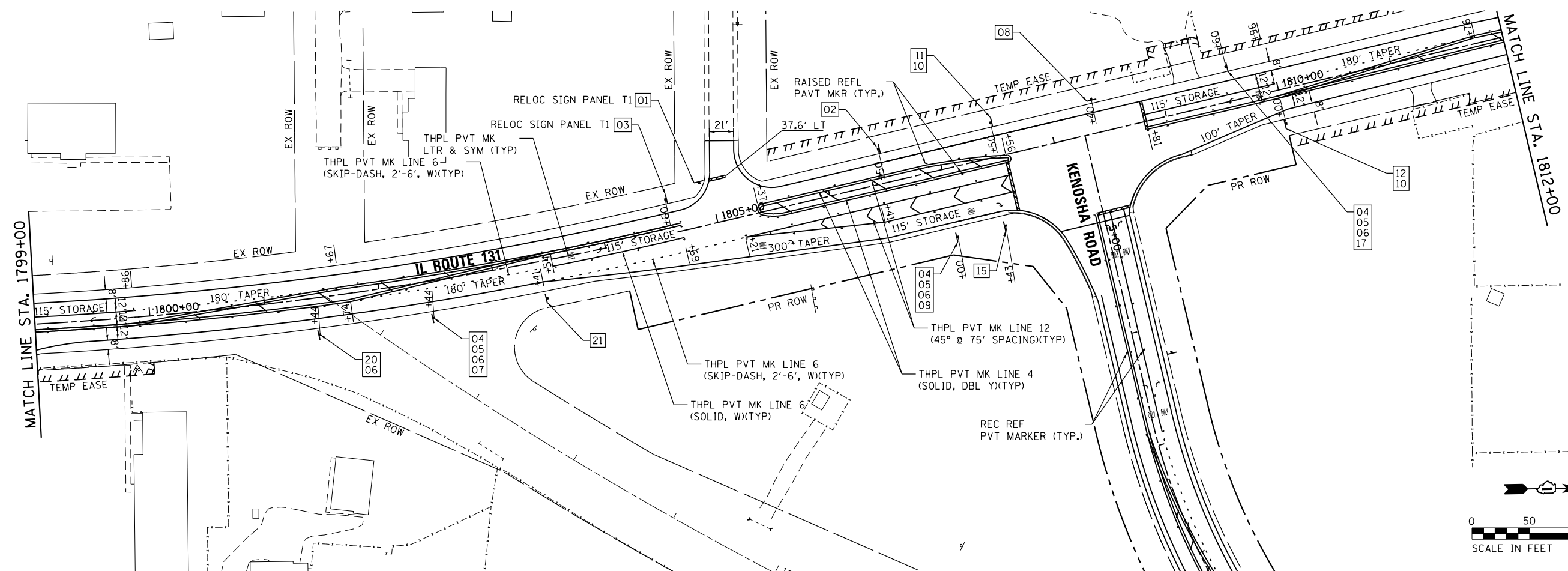
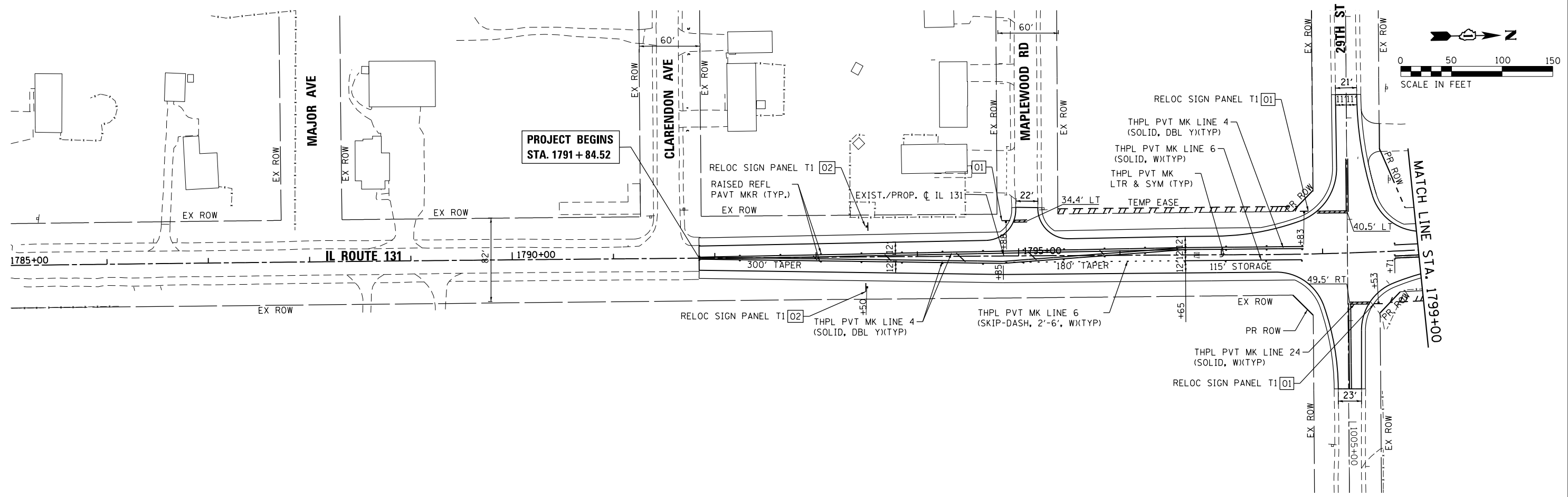
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING PLAN
 ILLINOIS ROUTE 131 AT KENOSHA ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	51
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B75	



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: bhartha
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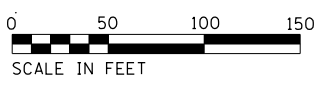
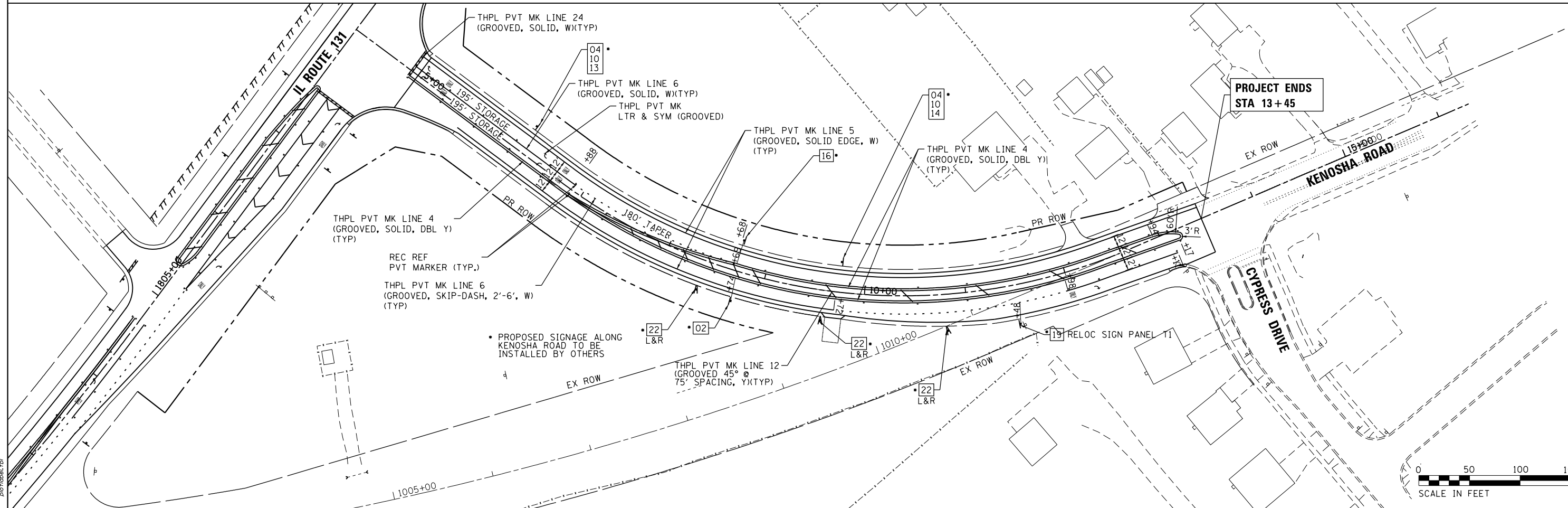
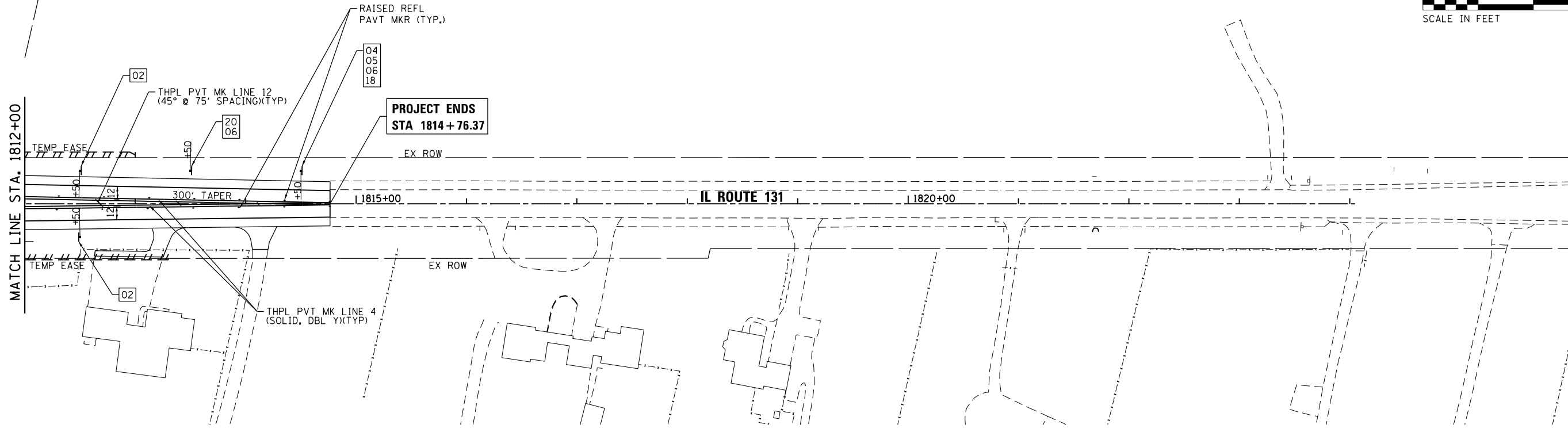
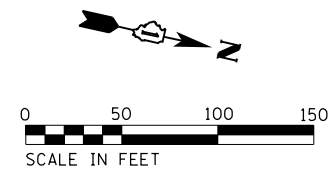
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PLOT DATE = 3/21/19	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN ILLINOIS ROUTE 131	
SCALE: 1" = 50'	SHEET NO. 1 OF 3 SHEETS STA. BEG TO STA. 1812+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	52
CONTRACT NO. 62B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
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PLOT SCALE = 1" = 50'	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 131 & KENOSHA ROAD

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. 1812+00 TO STA. END

F.A.U. RTE. 2711	SECTION 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 53
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62B75	



01
R1-1
36" X 36"



02
R2-1
30" X 36"



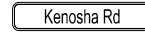
03
W1-2
36" X 36"



04
M2-1
21" X 15"



05
M1-6
24" X 24"



06
W17-1100
24" X 9"



07
M5-1
21" X 15"



08
W1-7
48" X 24"



09
M6-1
21" X 15"



10
M1-1100
24" X 24"



11
M3-3
24" X 12"



12
M3-1
24" X 12"



13
M6-4
21" X 15"



14
W17-1100
24" X 9"



15
R3-5R
30" X 36"



16
R3-8
30" X 30"



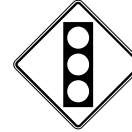
17
M6-1
21" X 15"



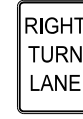
18
M5-1
21" X 15"



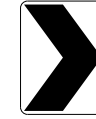
19
CUSTOM
48" X 24"



20
W3-3
36" X 36"



21
R3-20R
24" X 24"



22
W1-8
24" X 30"

COMPANY NAME: HRGreen.com
PROJECT CONTACT: bhartma
DATE PLOTTED: 3/27/2019 4:36:40 PM
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

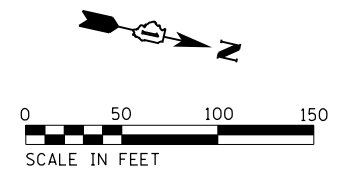
PAVEMENT MARKING AND SIGNING PLAN
SIGNING LEGEND

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	54
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

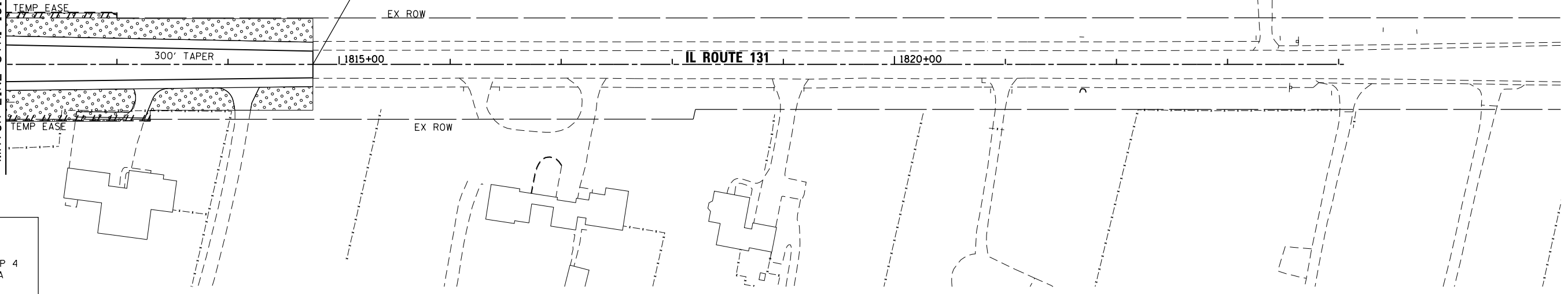
NOTES:

1. ALL TREES SHALL RECEIVE A 6' DIAMETER MULCH RING OF 4" DEPTH. NO MULCH SHALL COME INTO CONTACT OF THE TREE ROOT FLARE. SHRUB BEDS SHALL HAVE A SPADED EDGE 18" FROM THE CLOSEST SHRUB ROW.
2. THE LOCATIONS OF PROPOSED TREES WILL BE WITHIN THE PROJECTS LIMITS AND DETERMINED BY THE RESIDENT ENGINEER.



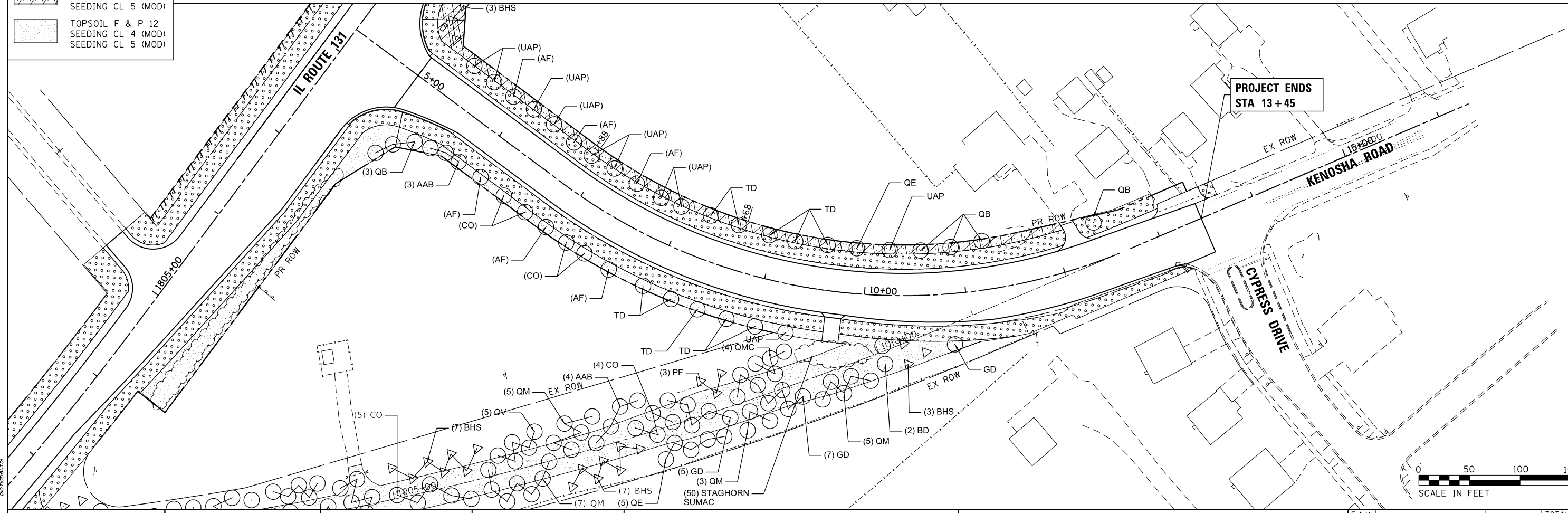
MATCH LINE STA. 1812+00

**PROJECT ENDS
STA 1814+76.37**

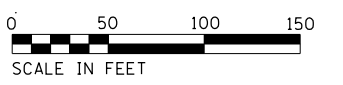


LEGEND:

- TOPSOIL F & P 4
SEEDING CL 2A
- TOPSOIL F & P 4
SEEDING CL 4 (MOD)
SEEDING CL 5 (MOD)
- TOPSOIL F & P 12
SEEDING CL 4 (MOD)
SEEDING CL 5 (MOD)



**PROJECT ENDS
STA 13+45**



COMPANY NAME: HRGreen
 PROJECT CONTACT: bhartma
 DATE PLOTTED: 3/27/2019 4:36:48 PM
 FILE NAME: D:\62B75-sht-1s-02.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plot.tbl

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = bhartma	DESIGNED - BH	REVISED -
FILE NAME = D:\62B75-sht-1s-02.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

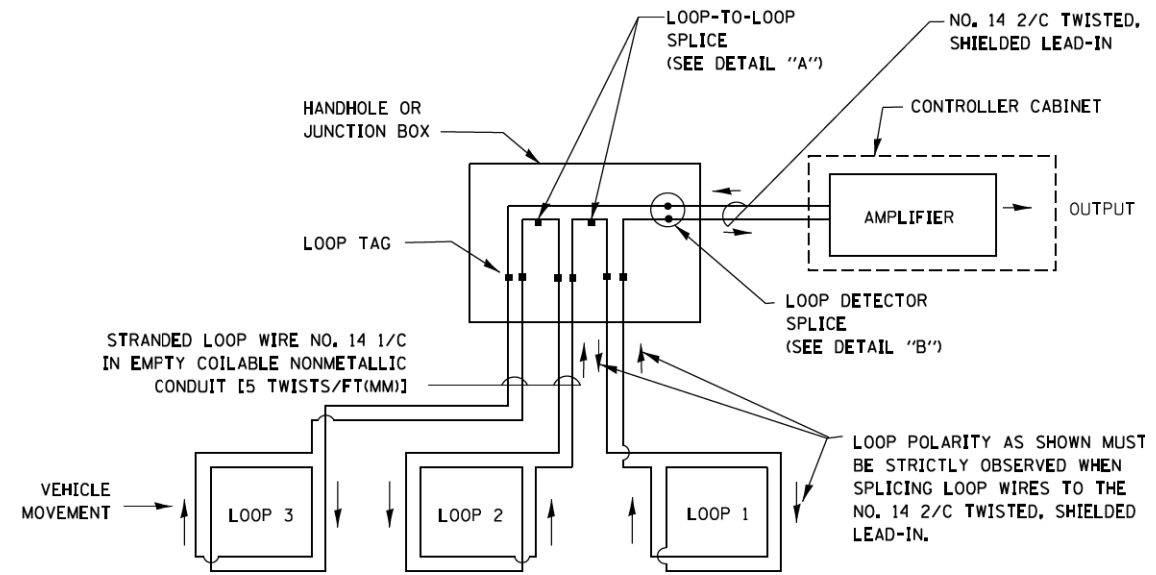
**LANDSCAPING PLAN
ILLINOIS ROUTE 131 & KENOSHA ROAD**

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 1812+00 TO STA. END

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	56
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62B75	

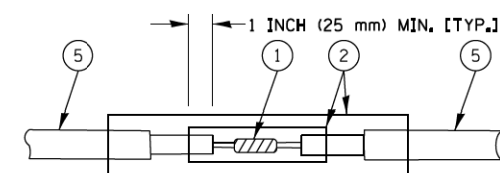
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

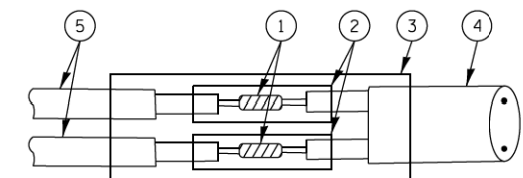


DETECTOR LOOP WIRING SCHEMATIC

- 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.



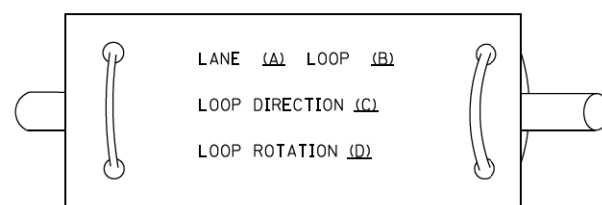
DETAIL "A"
LOOP-TO-LOOP SPLICE



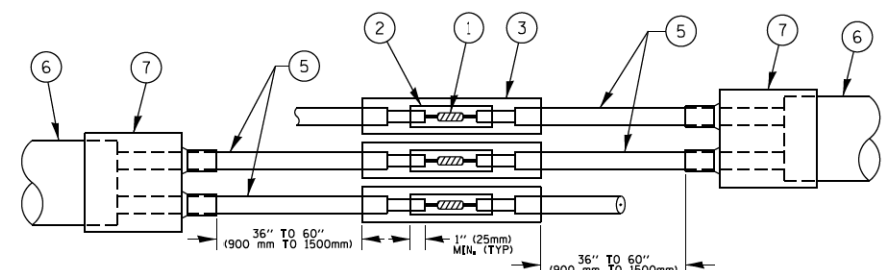
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

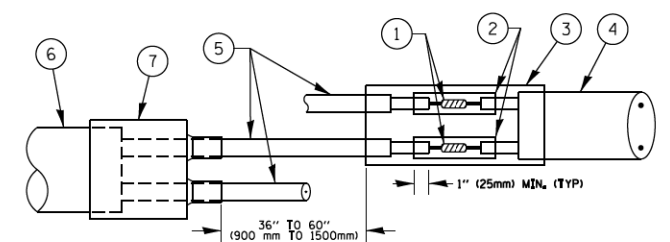
LOOP LEAD-IN CABLE TAG



- 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.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

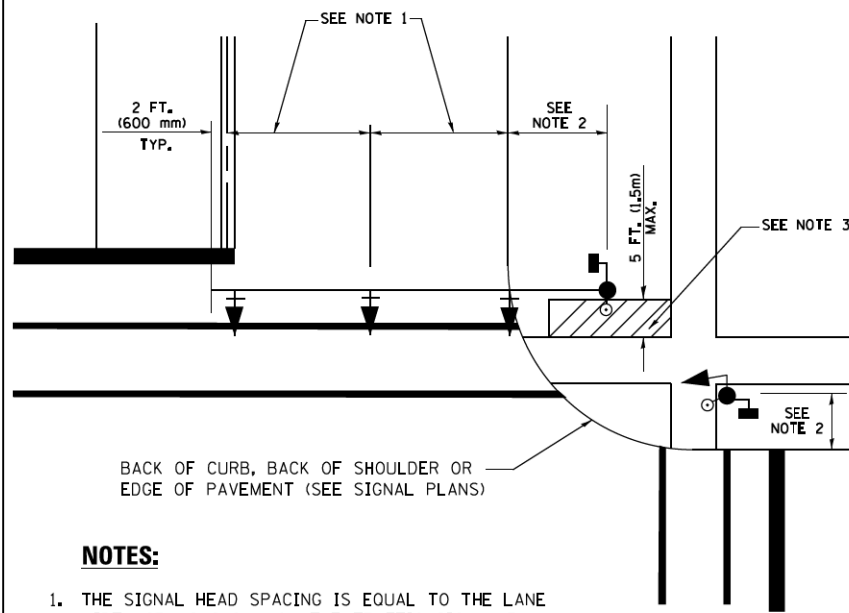
LOOP DETECTOR SPLICE

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

TS SHT NO. 2

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cc:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	2711	32-N-6-(15)	LAKE	105	58
		CHECKED - DAD	REVISED -				TO STA.	TS-05		CONTRACT NO. 62B75		
		DATE - 10-28-09	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

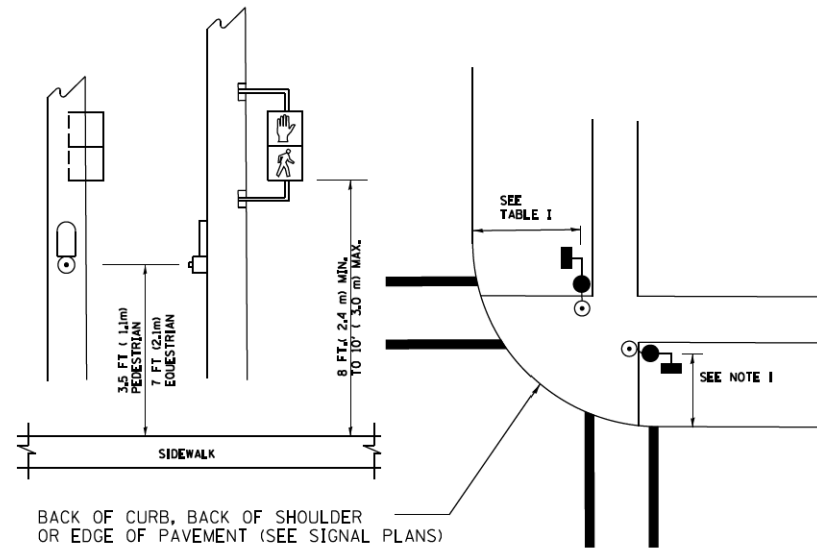
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

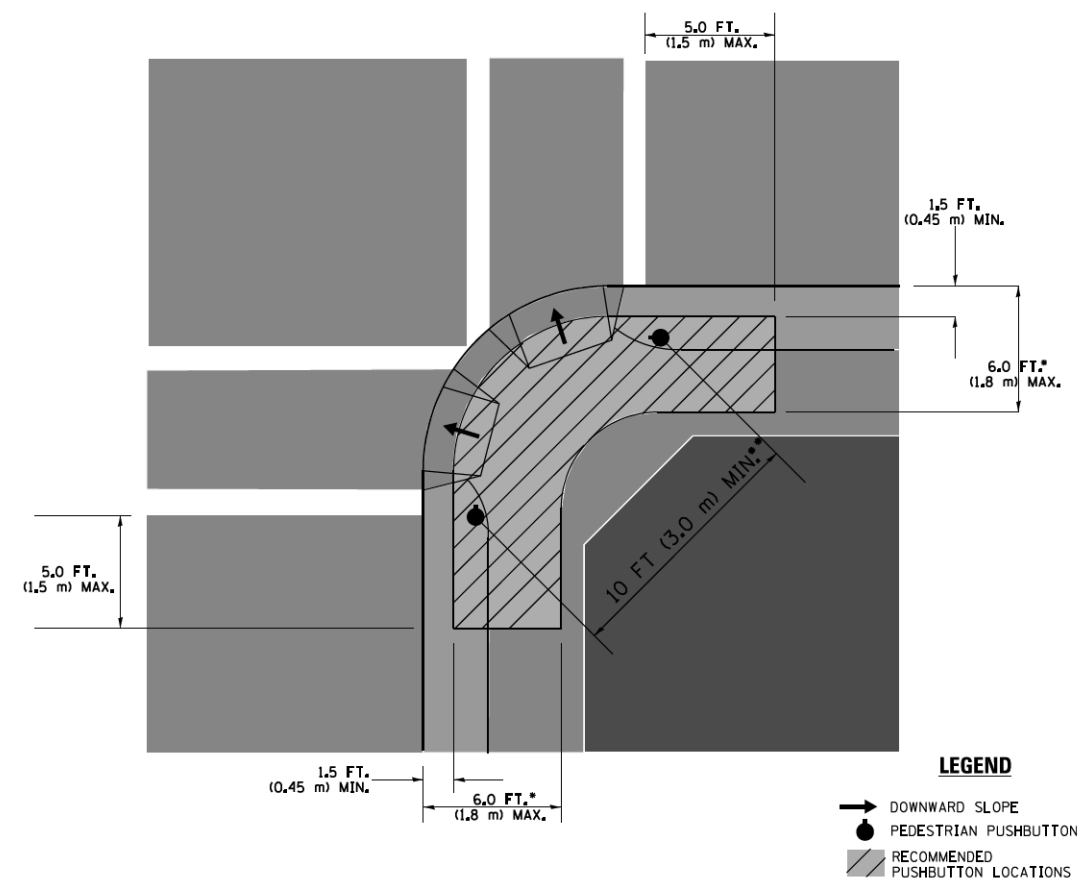
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

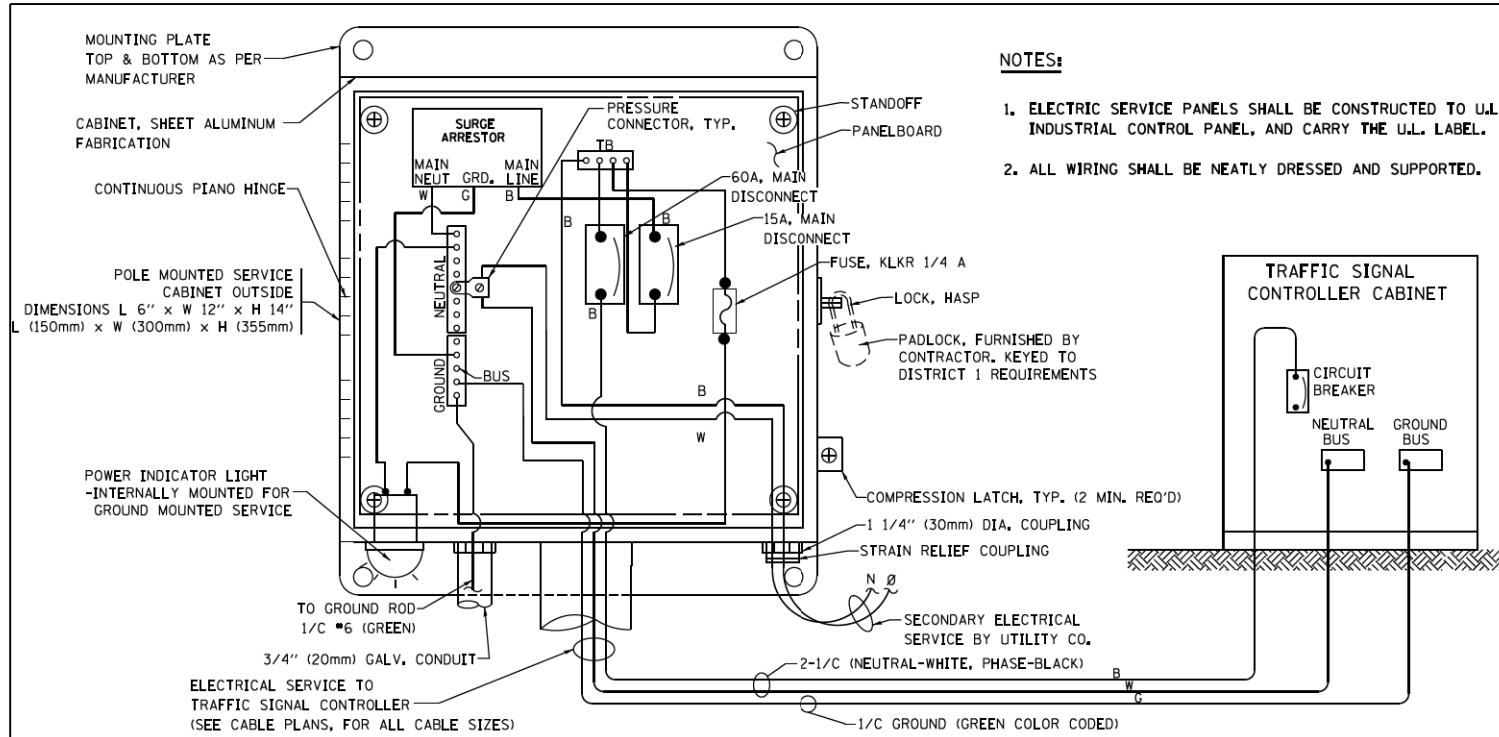
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

NOTES:

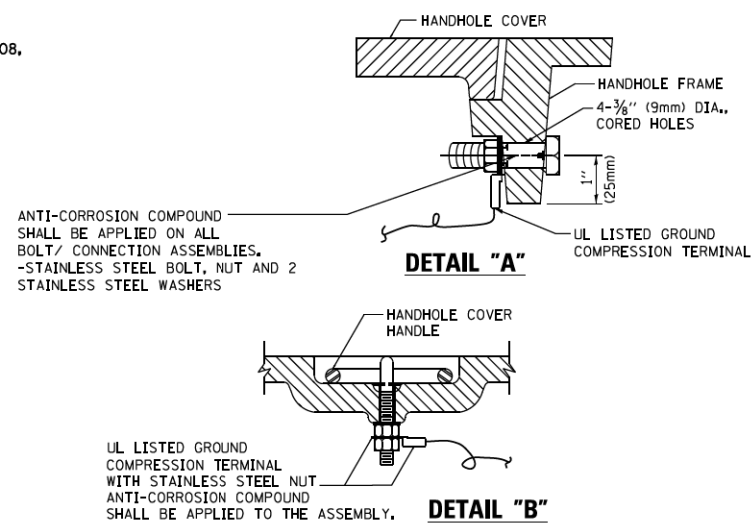
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM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

TS SHT NO.3

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwork\footemj\d0108315\ts05.dgn	DRAWN - BCK	REVISED -	REVISED -			2711	32-N-6-(15)	LAKE	105	59	
PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -	REVISED -			TS-05		CONTRACT NO. 62B75			
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	REVISED -			SCALE: NONE	SHEET NO. 3 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

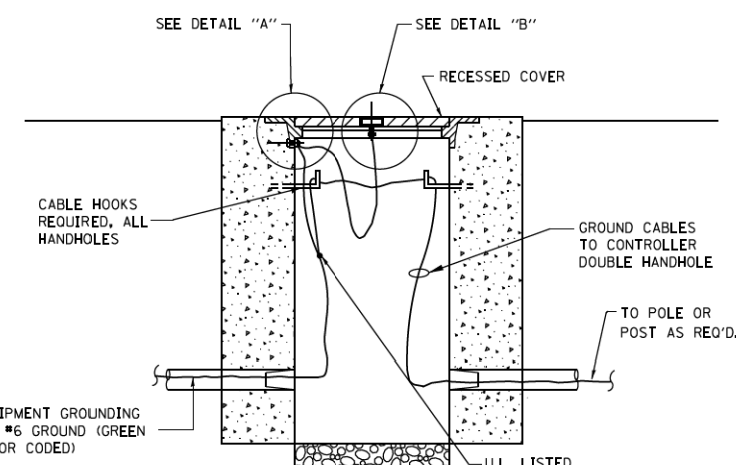


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

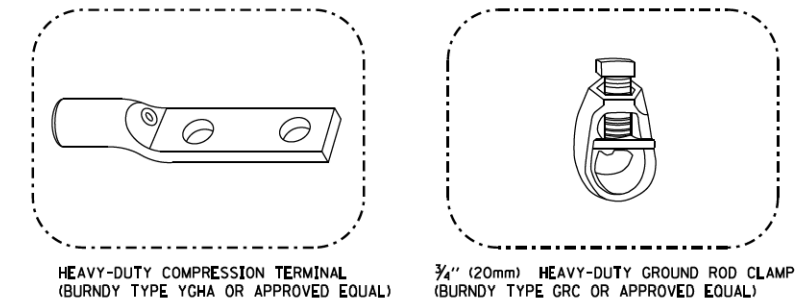


**NOTES:
GROUNDING SYSTEM**

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

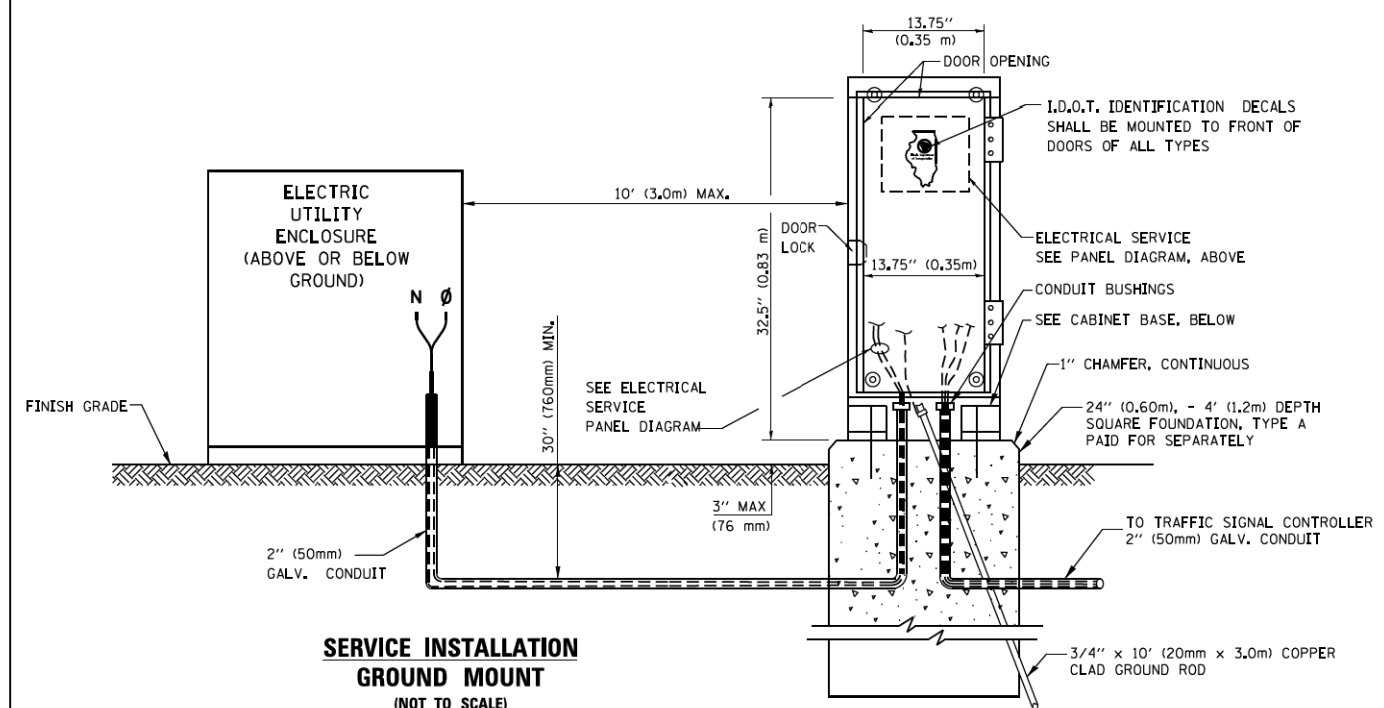


**HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)**

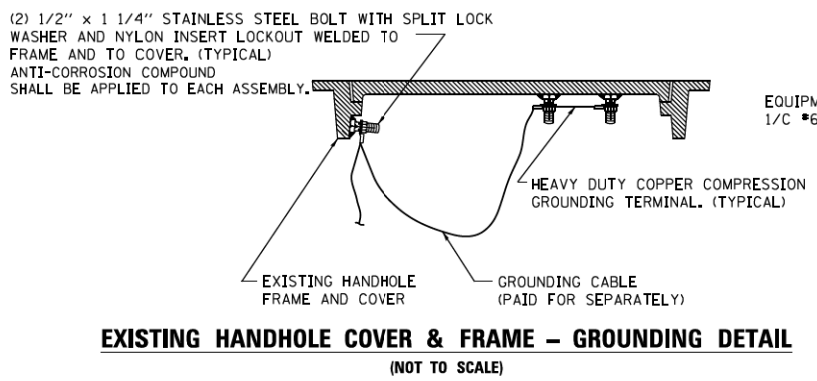


NOTES:

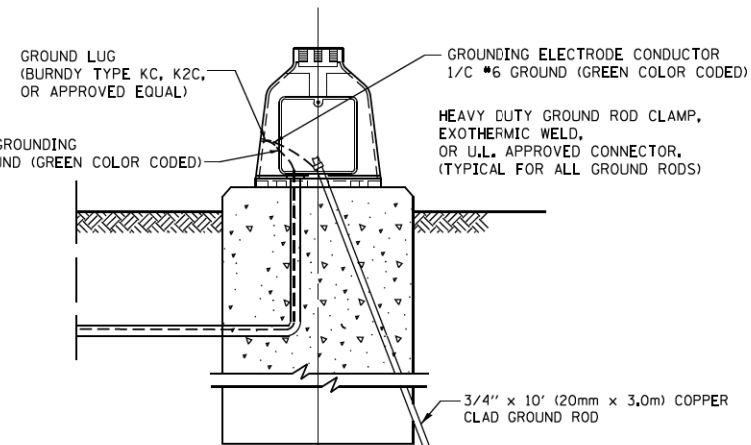
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



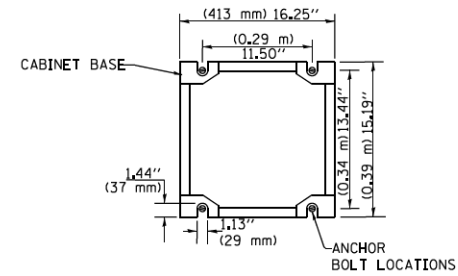
**SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)**



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



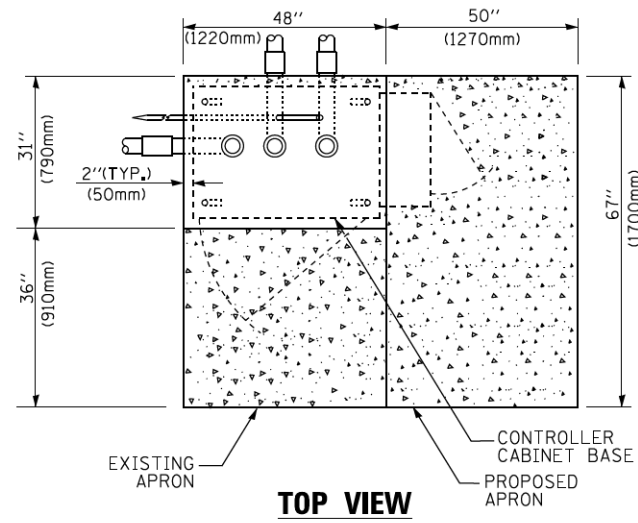
**MAST ARM POLE / POST-GROUNDING DETAIL
(NOT TO SCALE)**



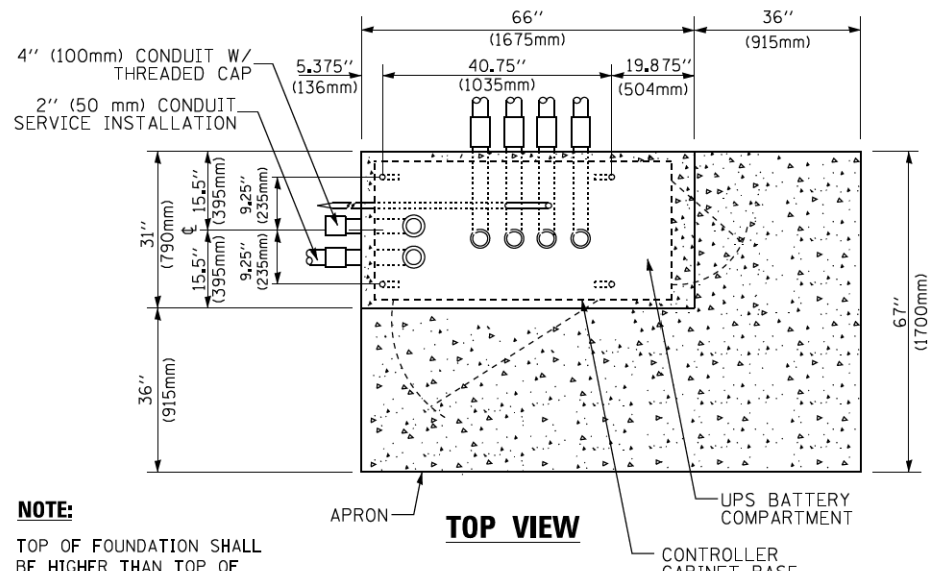
**CABINET – BASE BOLT PATTERN
(NOT TO SCALE)**

TS SHT NO. 4

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cc:\pwwork\pwwork\footemj\d0108315\ts05.dgn	PLOT SCALE = 50.0000' / 1"	DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.	2711	32-N-6-(15)	LAKE	105	60
PLOT DATE = 1/13/2014	DATE - 10-28-09	CHECKED - DAD	REVISED -					TS-05		CONTRACT NO. 62B75			
		REVISIONS	REVISIONS					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

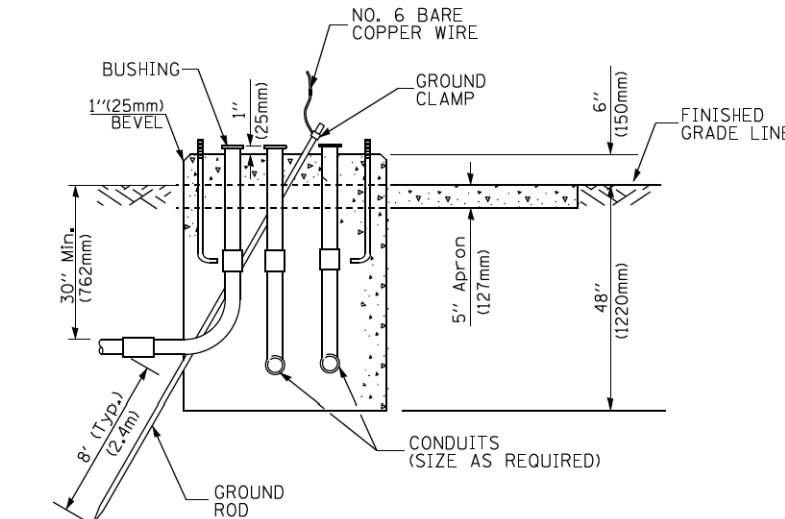


TOP VIEW

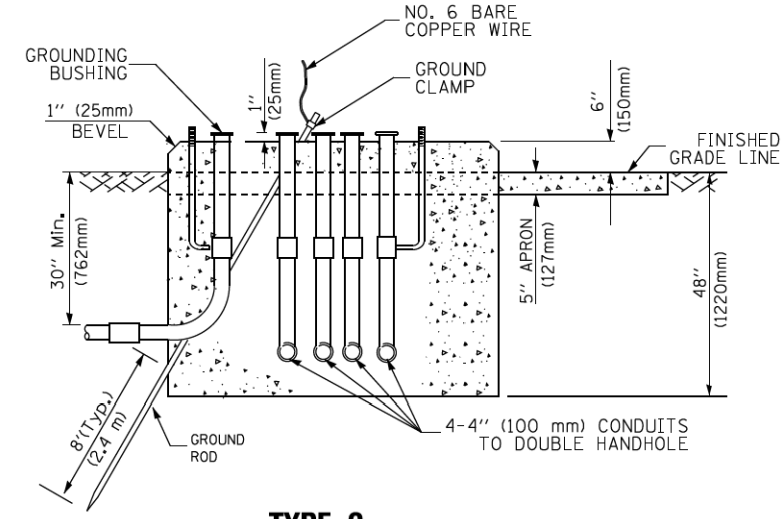


TOP VIEW

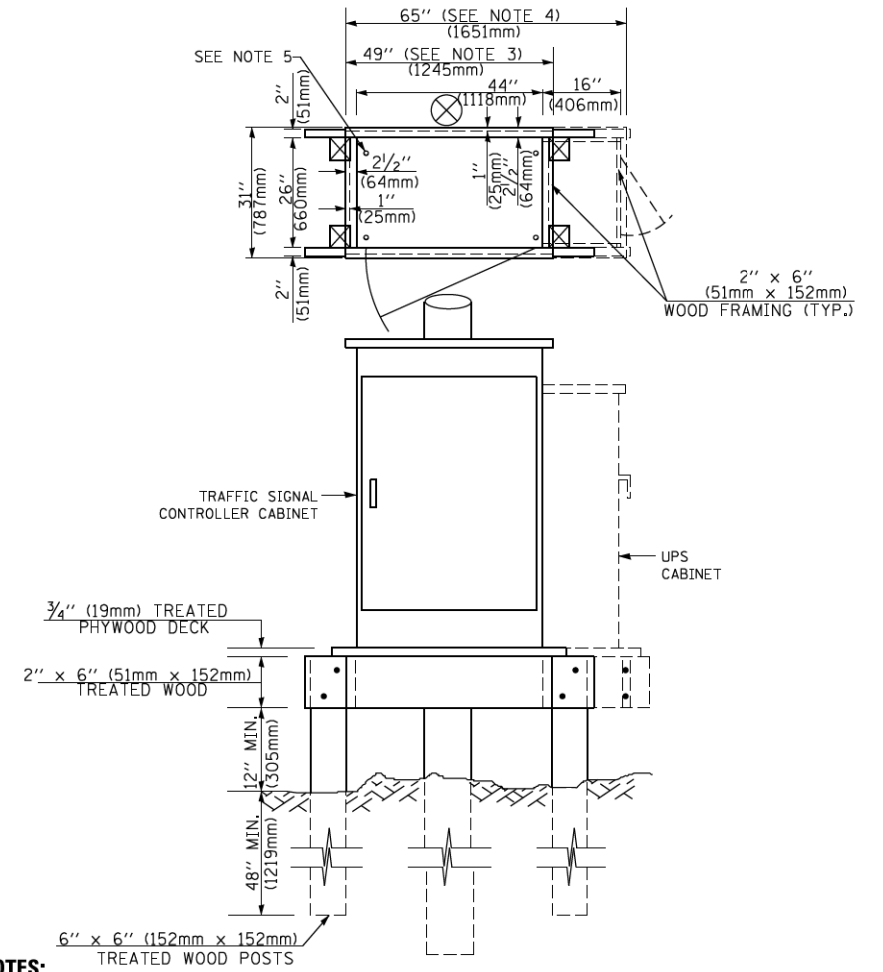
NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



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

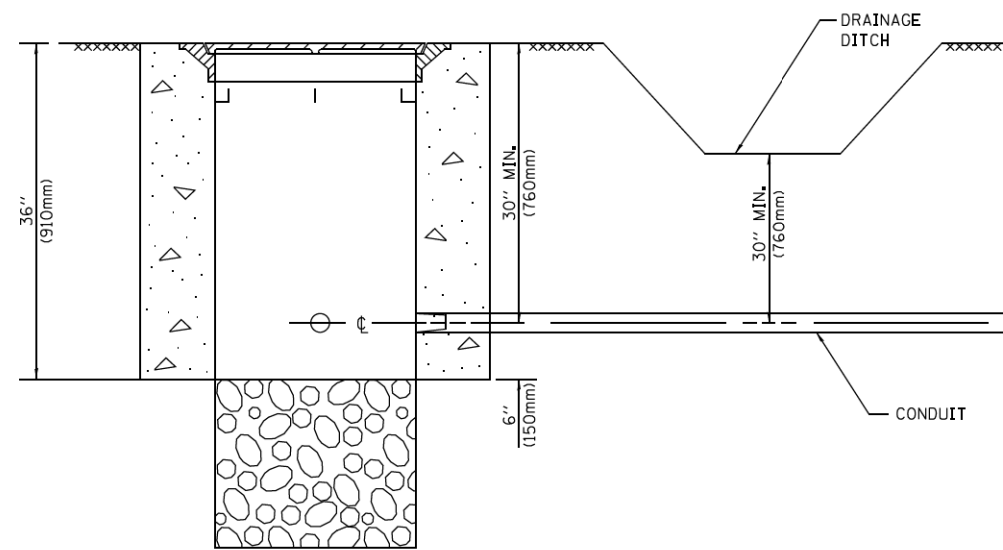
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or 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

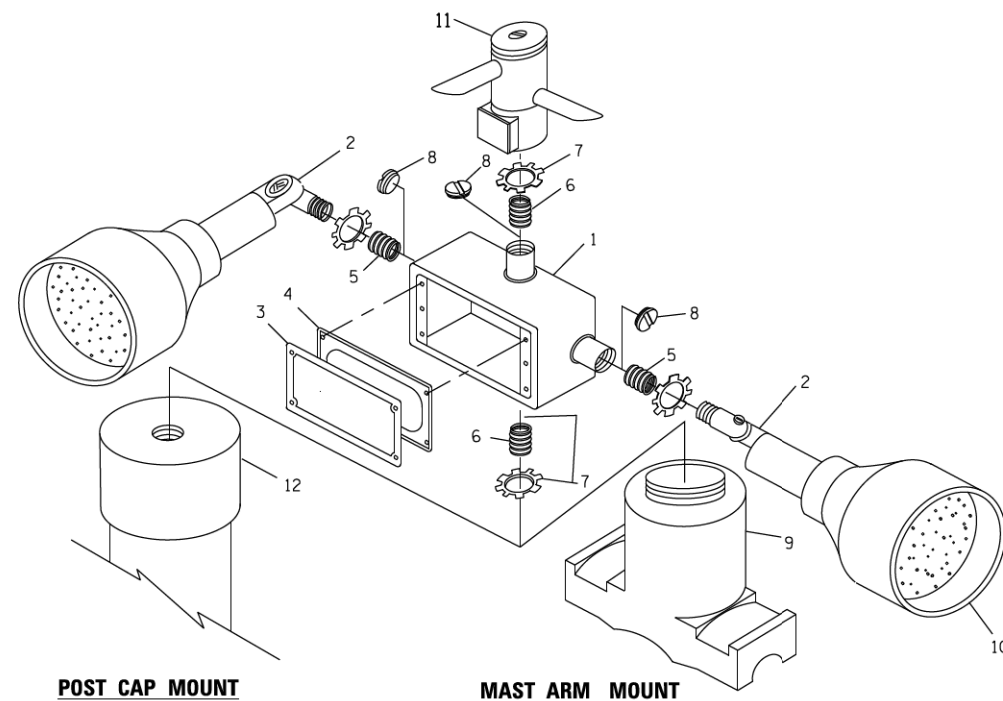
TS SHT NO. 5



NOTES:

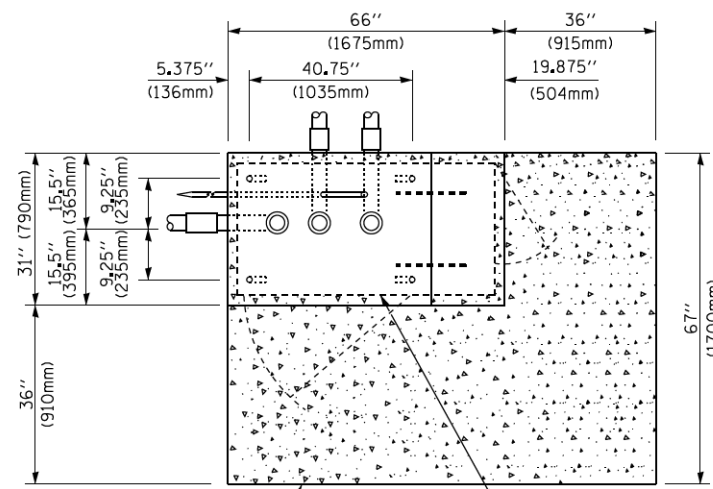
1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

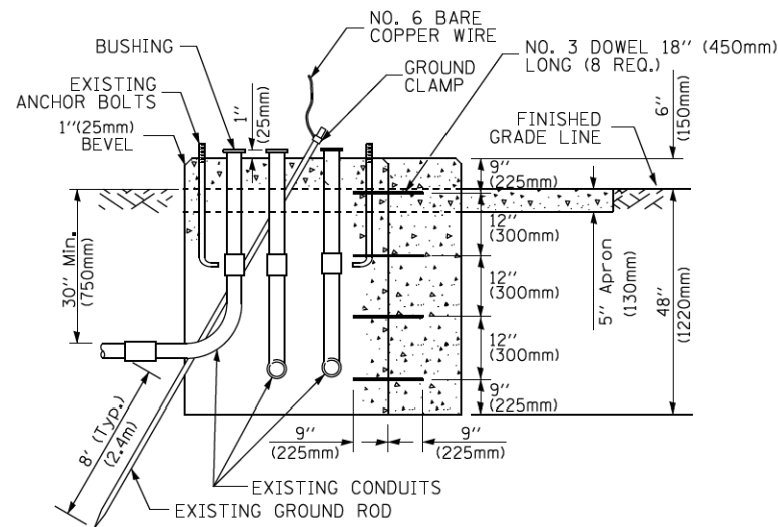


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

TS SHT NO. 6



TOP VIEW
(NOT TO SCALE)

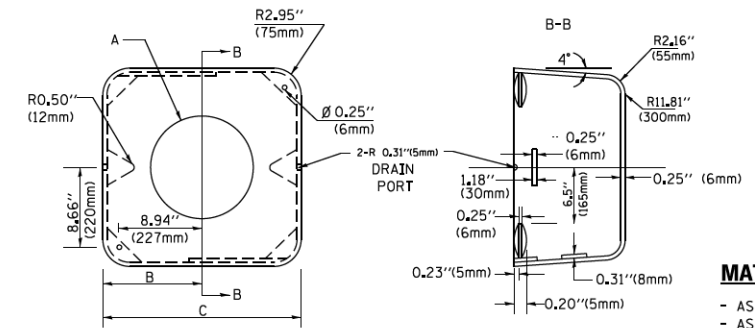


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

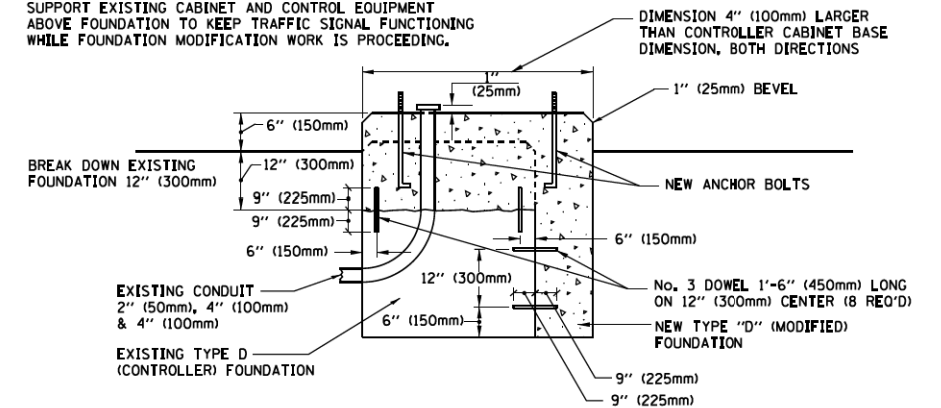
SHROUD

NOTES:

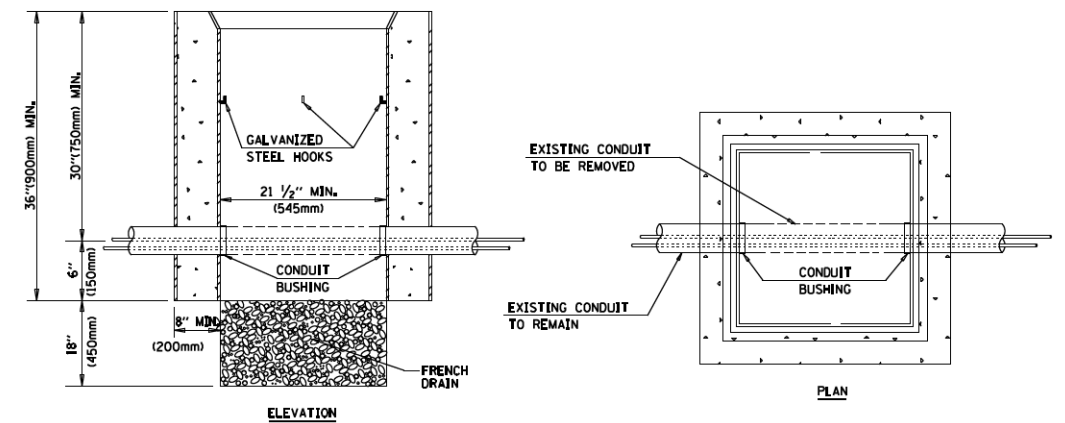
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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

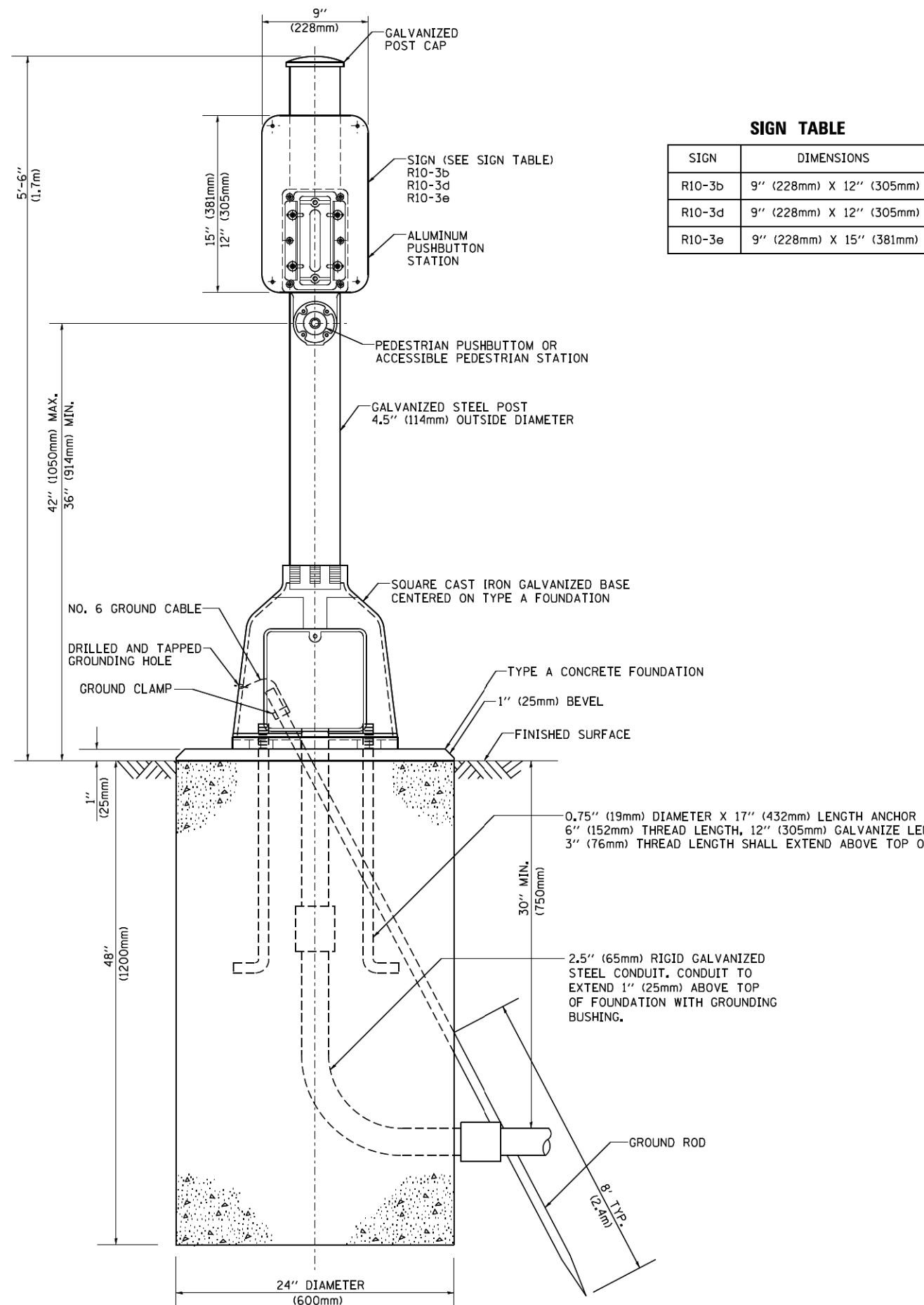
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PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

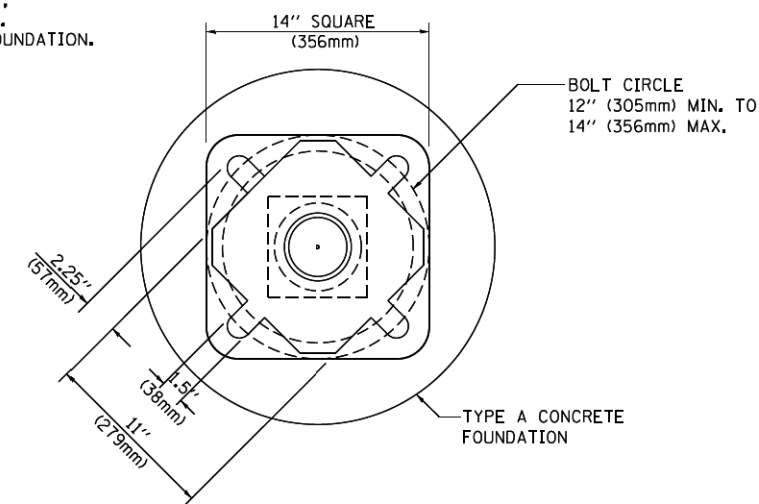
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6-(15)	LAKE	105	62
TS-05		CONTRACT NO.	62B75	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

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



BOLT PATTERN
PEDESTRIAN PUSH BUTTON POST, TYPE A

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
cc:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - GND	REVISED -
	PLOT SCALE = 50.0000 / 1 in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

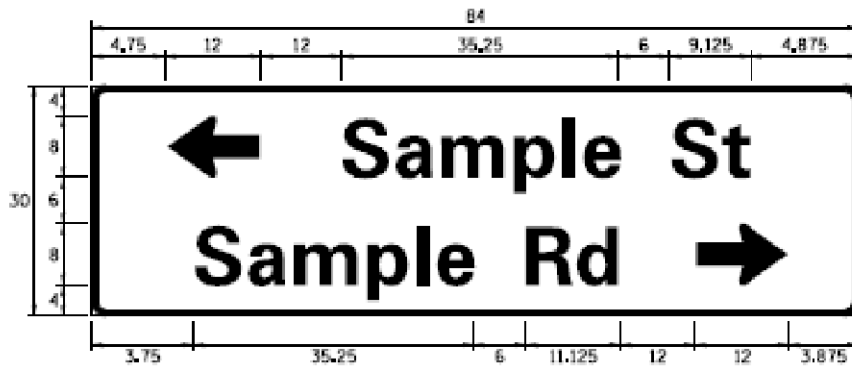
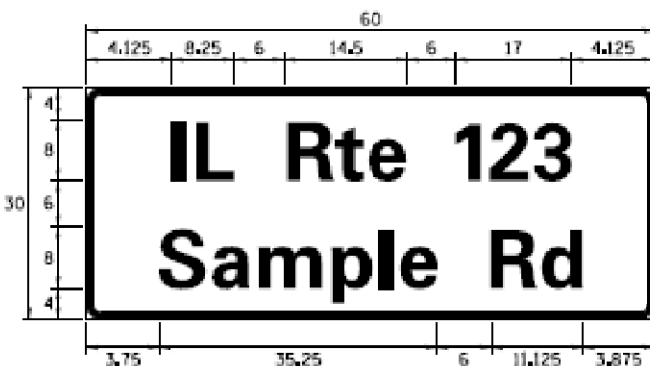
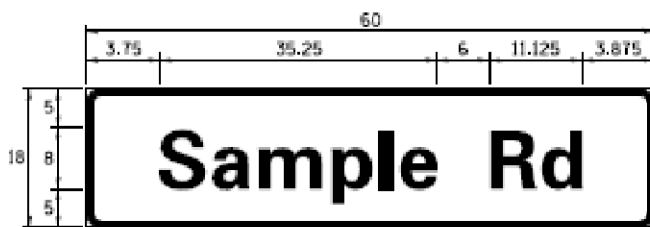
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6-(15)	LAKE	105	63
TS-05			CONTRACT NO. 62B75	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



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

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

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

LOCAL SUPPLIERS:

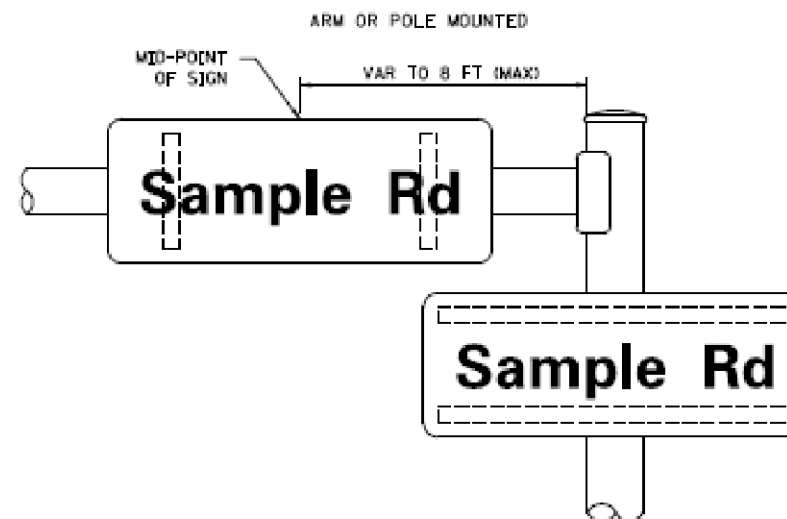
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

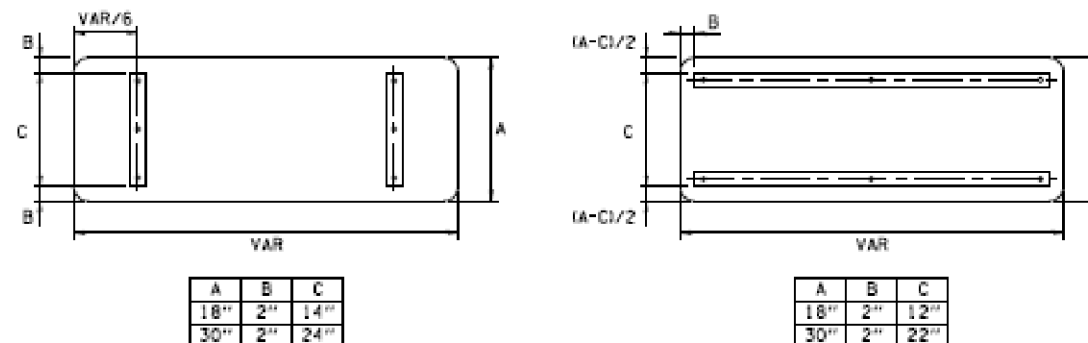
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

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

MOUNTING LOCATION



SUPPORTING CHANNELS

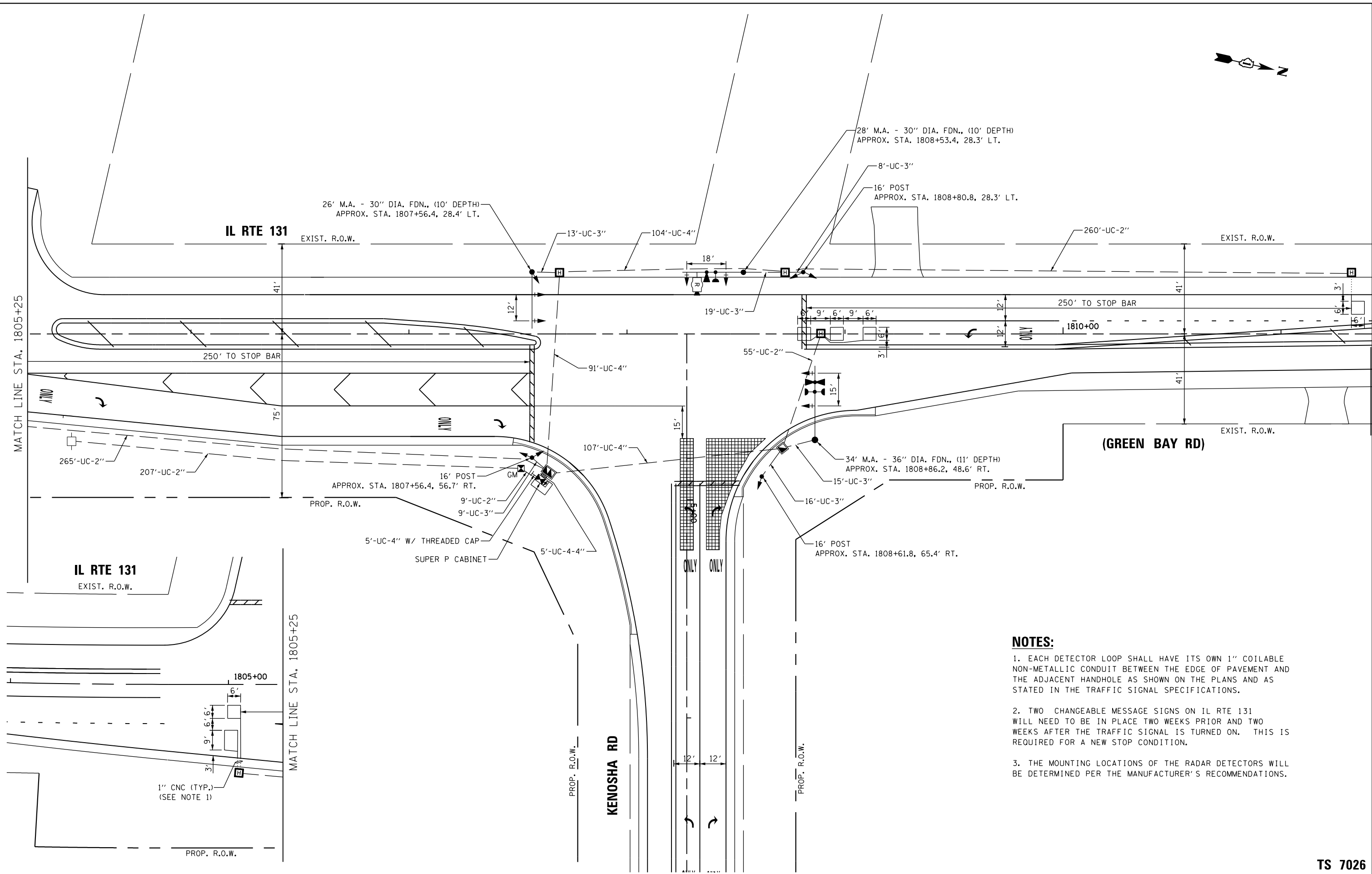


STANDARD ALPHABETS SPACING CHART

(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

TS SHT NO. 8



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. TWO CHANGEABLE MESSAGE SIGNS ON IL RTE 131 WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED ON. THIS IS REQUIRED FOR A NEW STOP CONDITION.
3. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

TS SHT NO. 9

TS 7026

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

USER NAME = tmsckey	DESIGNED - TM	REVISED - TM 05-06-2019
	DRAWN - RV	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MAS	REVISED -
PLOT DATE = 5/6/2019	DATE - 10-17-2018	REVISED -

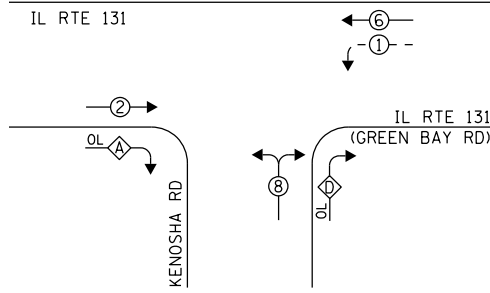
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 131 (GREEN BAY RD) AND KENOSHA RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6-(15)	LAKE	105	65
CONTRACT NO. 62B75				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



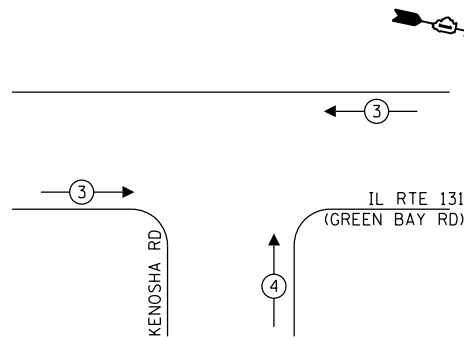
LEGEND:

- ⊛ PROTECTED PHASE
- ⊛- PROTECTED/PERMITTED PHASE
- ⊛ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 8
D	= 8	+ 1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



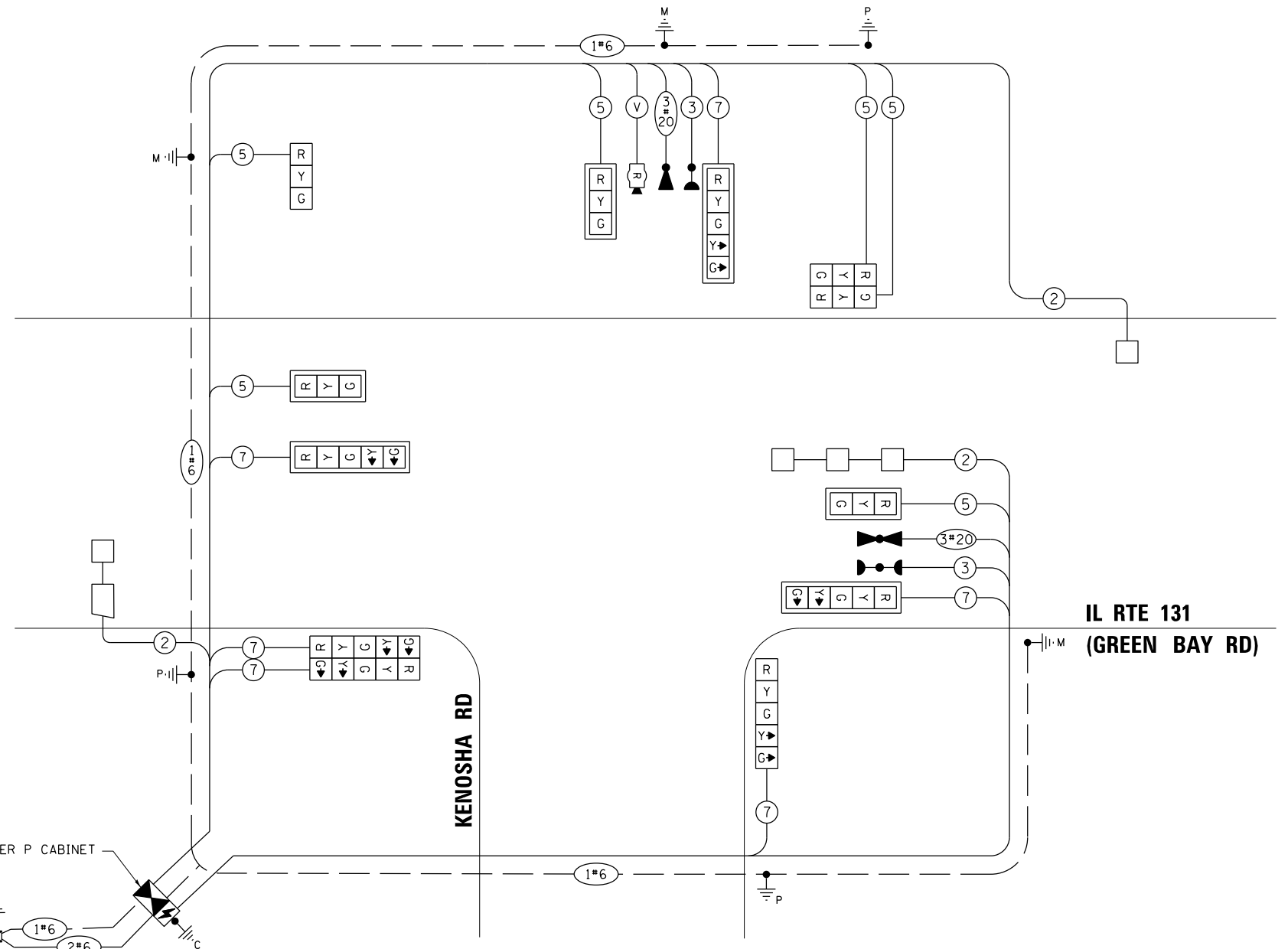
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.00
(YELLOW)	12	20	5	12.00
(GREEN)	12	12	45	64.80
PERMISSIVE ARROW	12	10	10	12.00
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				279.80

ENERGY COSTS TO:

VILLAGE OF BEACH PARK
11270 W. WADSWORTH ROAD
BEACH PARK, IL 60099

ENERGY SUPPLY: CONTACT: MAGDALIA RIVERA
PHONE: (847) 816-5489
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 10

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

USER NAME = tmsckey	DESIGNED - TM	REVISED - TM 05-06-2019
PLOT SCALE = 48.0122' / in.	DRAWN - RV	REVISED -
PLOT DATE = 5/6/2019	CHECKED - MAS	REVISED -
	DATE - 10-17-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 131 (GREEN BAY RD) AND KENOSHA RD

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

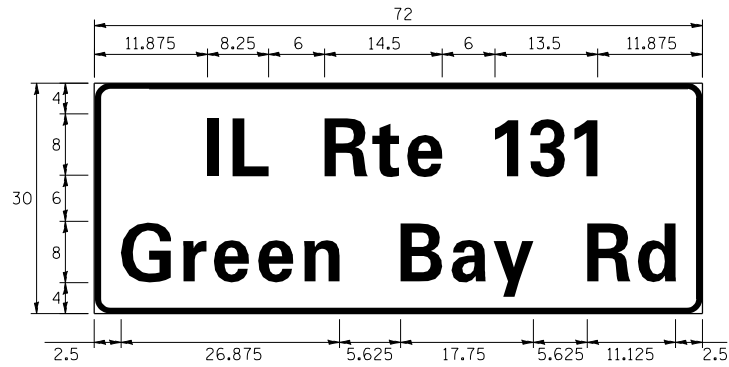
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6-(15)	LAKE	105	66
CONTRACT NO. 62B75				

TS 7026

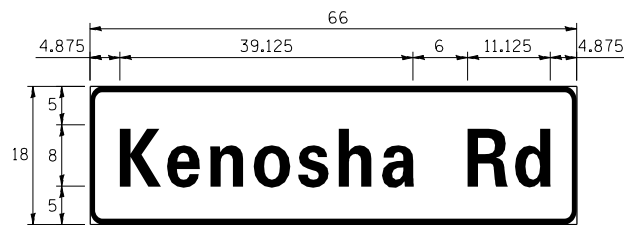
ILLINOIS FED. AID PROJECT

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.00	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2

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

SCHEDULE OF QUANTITIES

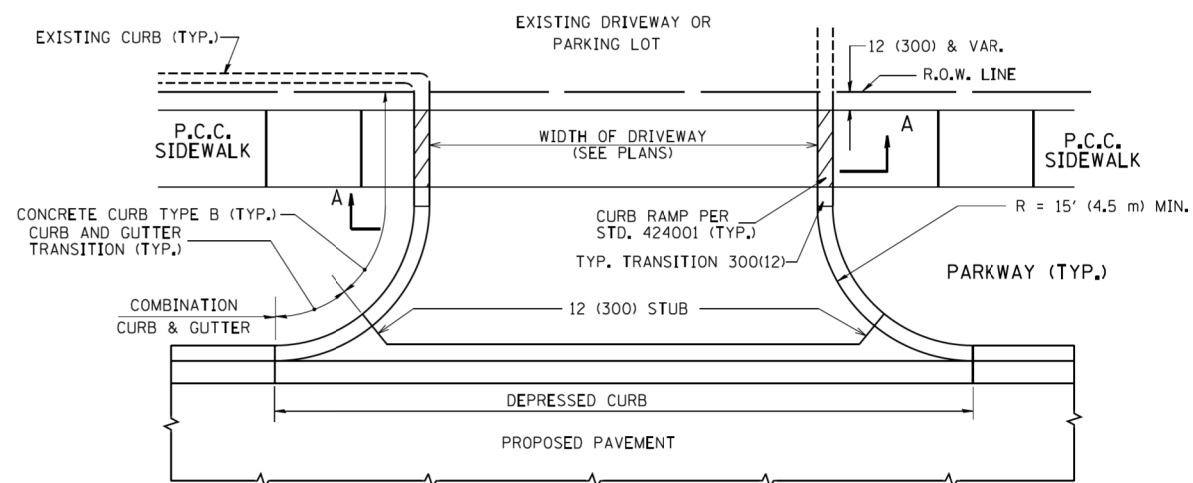
PAY ITEM	UNIT	TOTAL
CHANGEABLE MESSAGE SIGN	CAL MO	2.0
SIGN PANEL - TYPE 1	SQ FT	16.5
SIGN PANEL - TYPE 2	SQ FT	15.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	796
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	80
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	327
HANDHOLE	EACH	1
HEAVY-DUTY HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	508
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1348
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	934
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	FOOT	989
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	240
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	751
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	3
DETECTOR LOOP, TYPE I	FOOT	213
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	508
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1

• 100 % COST TO VILLAGE OF BEACH PARK

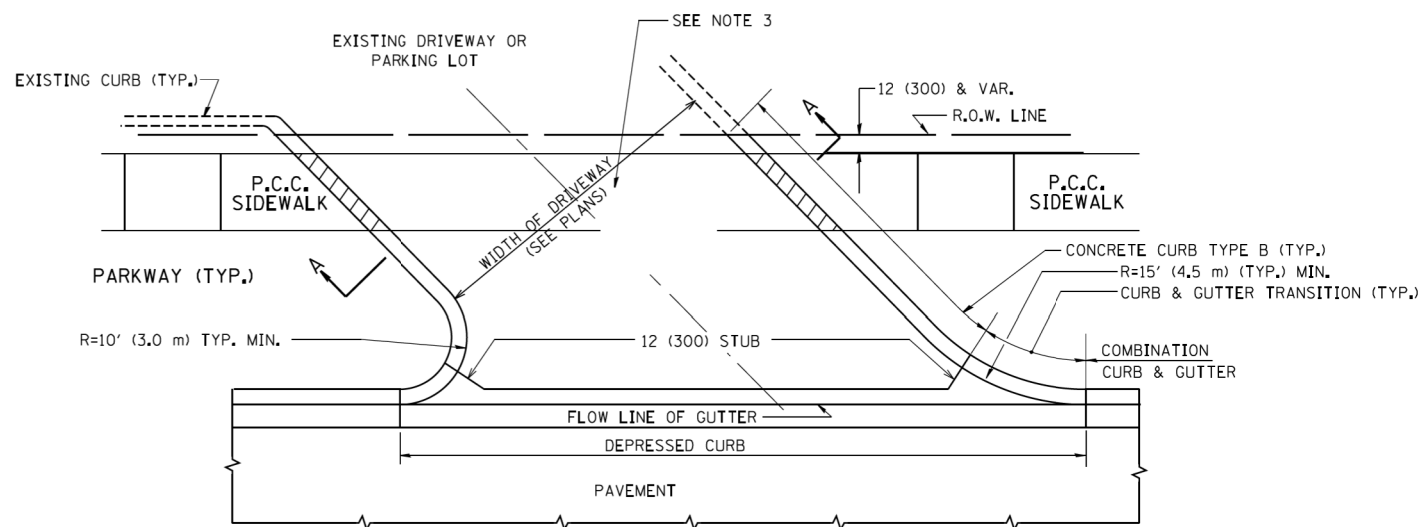
TS SHT NO. 11

TS 7026

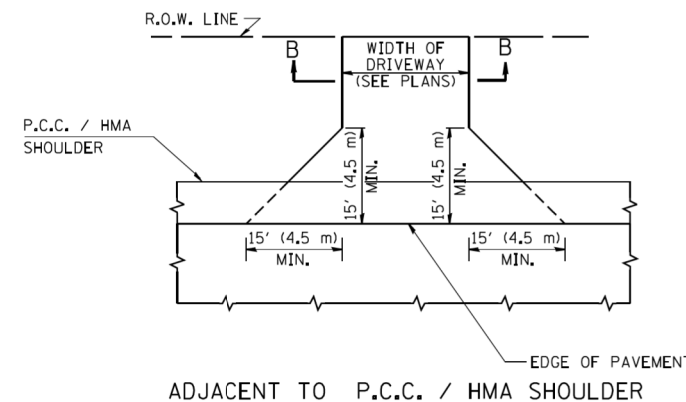
AMES Engineering, Inc. CONSULTING ENGINEERS 5413 Walnut Avenue, Ste 2 Downers Grove, IL 60515	USER NAME = tmsckey	DESIGNED - TM	REVISED - TM 05-06-2019	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS & SCHEDULE OF QUANTITIES IL RTE 131 (GREEN BAY RD) AND KENOSHA RD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.0001" / in.	DRAWN - RV	REVISOR -			2711	32-N-6-(15)	LAKE	105	67
PLOT DATE = 5/6/2019	CHECKED - MAS	REVISOR -	REVISOR -	SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 62B75		
	DATE - 10-17-2018	REVISOR -	REVISOR -	ILLINOIS FED. AID PROJECT						



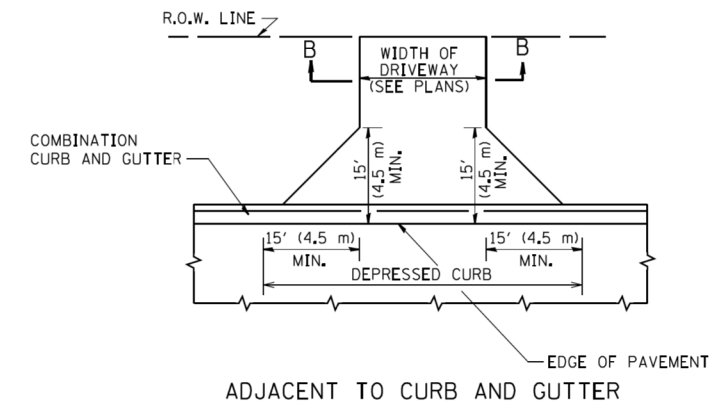
WITH CONCRETE CURB, TYPE B



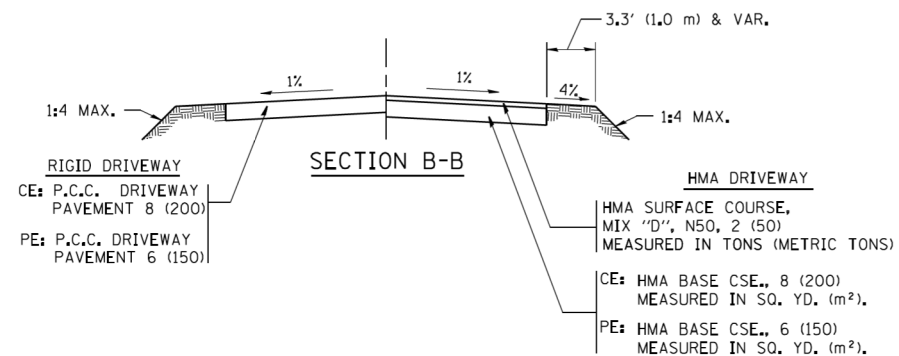
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX 'D', N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

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

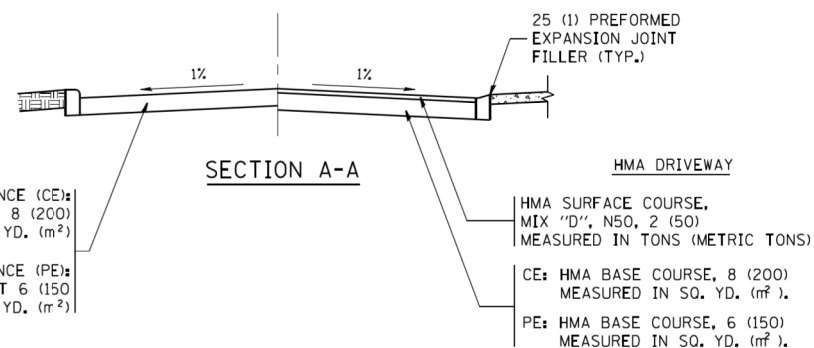
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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



RIGID DRIVEWAY

COMMERCIAL ENTRANCE (CE):
P.C.C. DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)

NON-COMMERCIAL ENTRANCE (PE):
P.C.C. DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

SECTION A-A

HMA DRIVEWAY

HMA SURFACE COURSE,
MIX 'D', N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

CE: HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²),
PE: HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²).

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PROJECT CONTACT: #PROJECT CONTACTS
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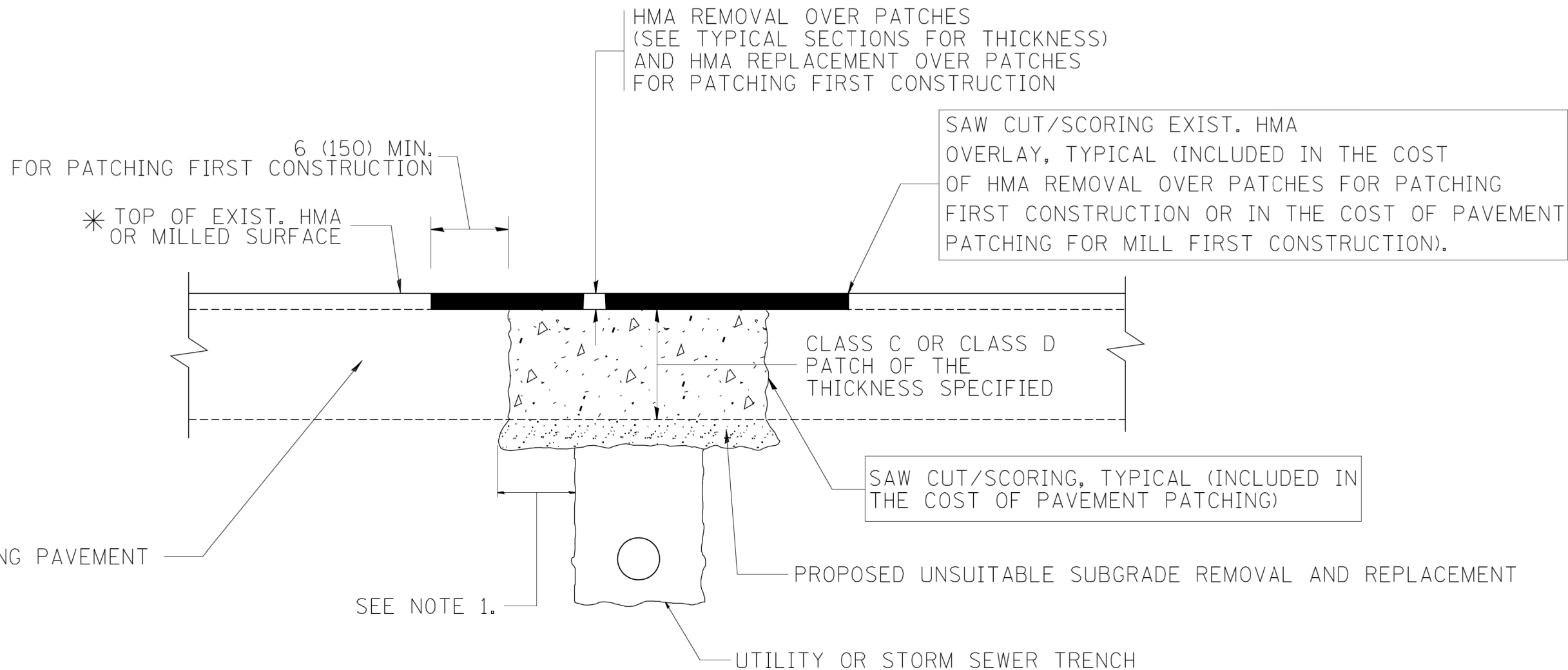
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		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	68
BD0156-07 (BD-01)			CONTRACT NO. 62B75	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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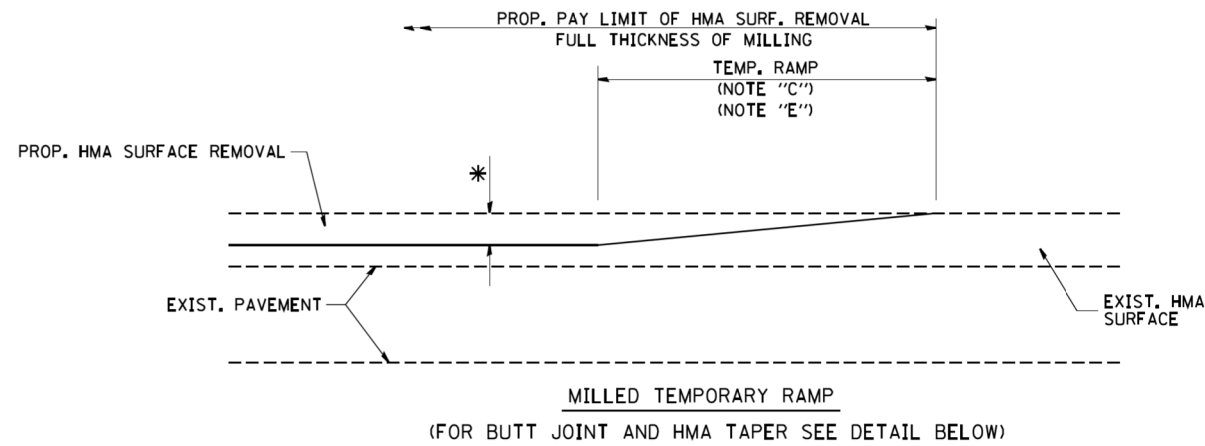
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		CHECKED -	REVISED - R. BORO 09-04-07
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

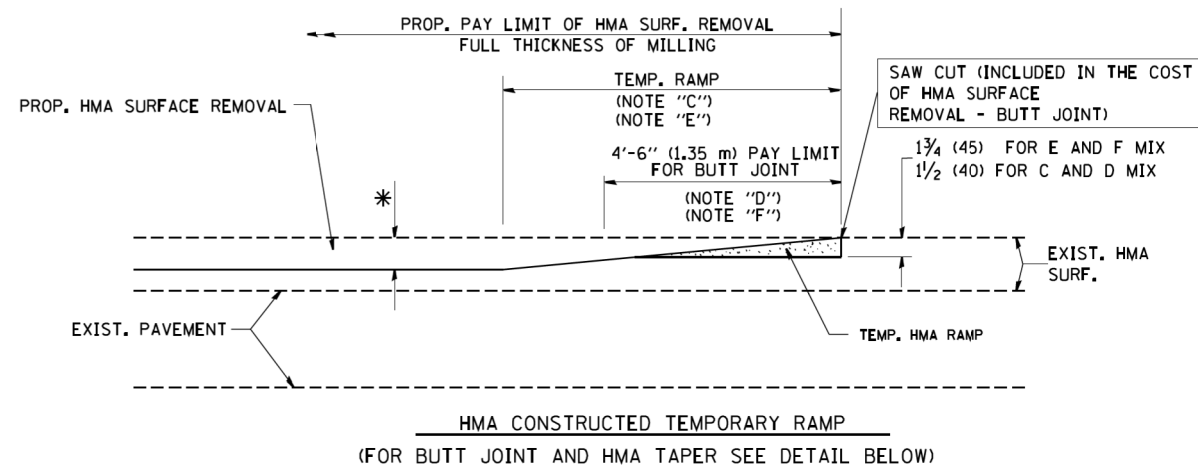
**PAVEMENT PATCHING FOR
 HMA SURFACED PAVEMENT**

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

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BD400-04 (BD-22)			CONTRACT NO. 62B75	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

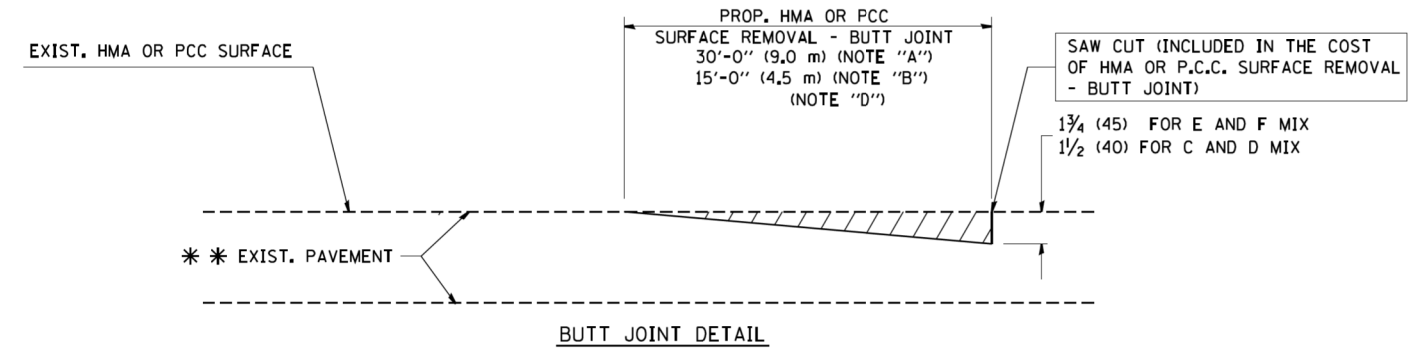


OPTION 1

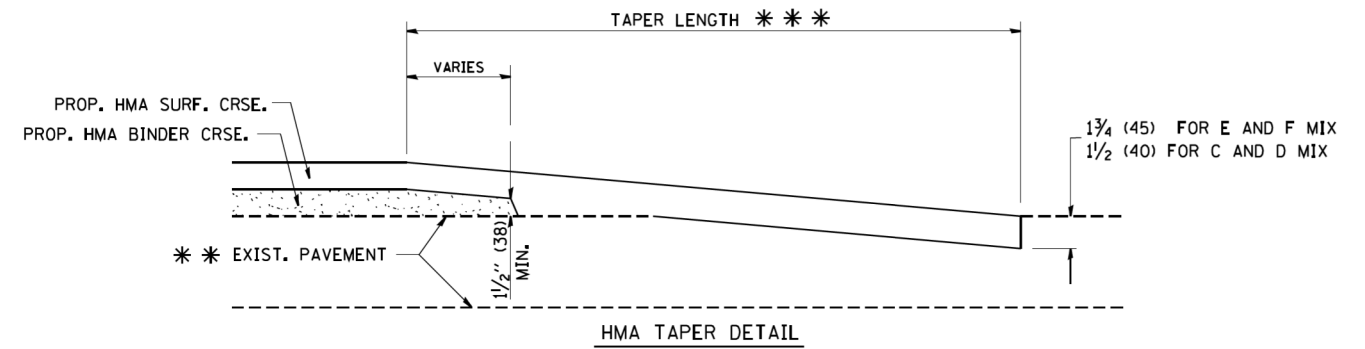


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

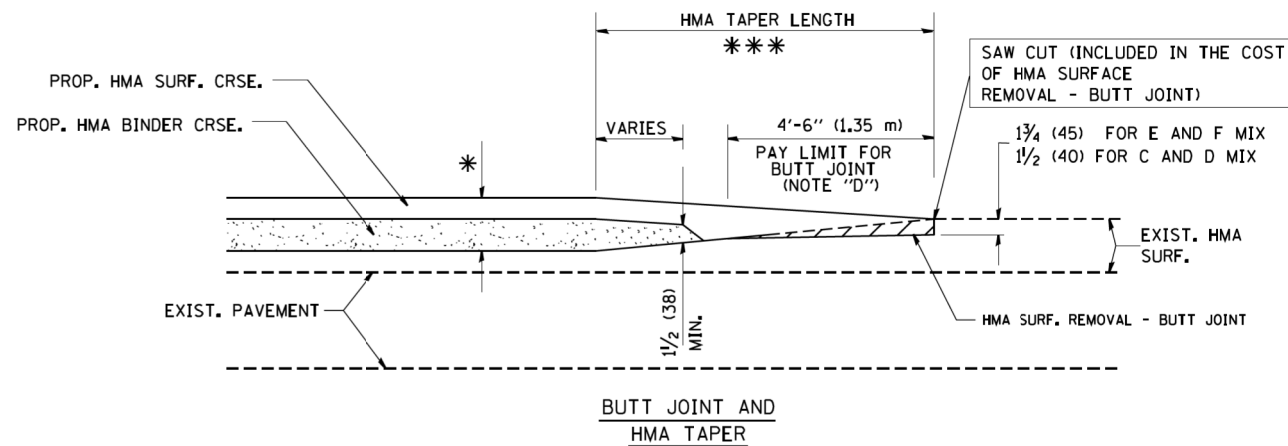
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

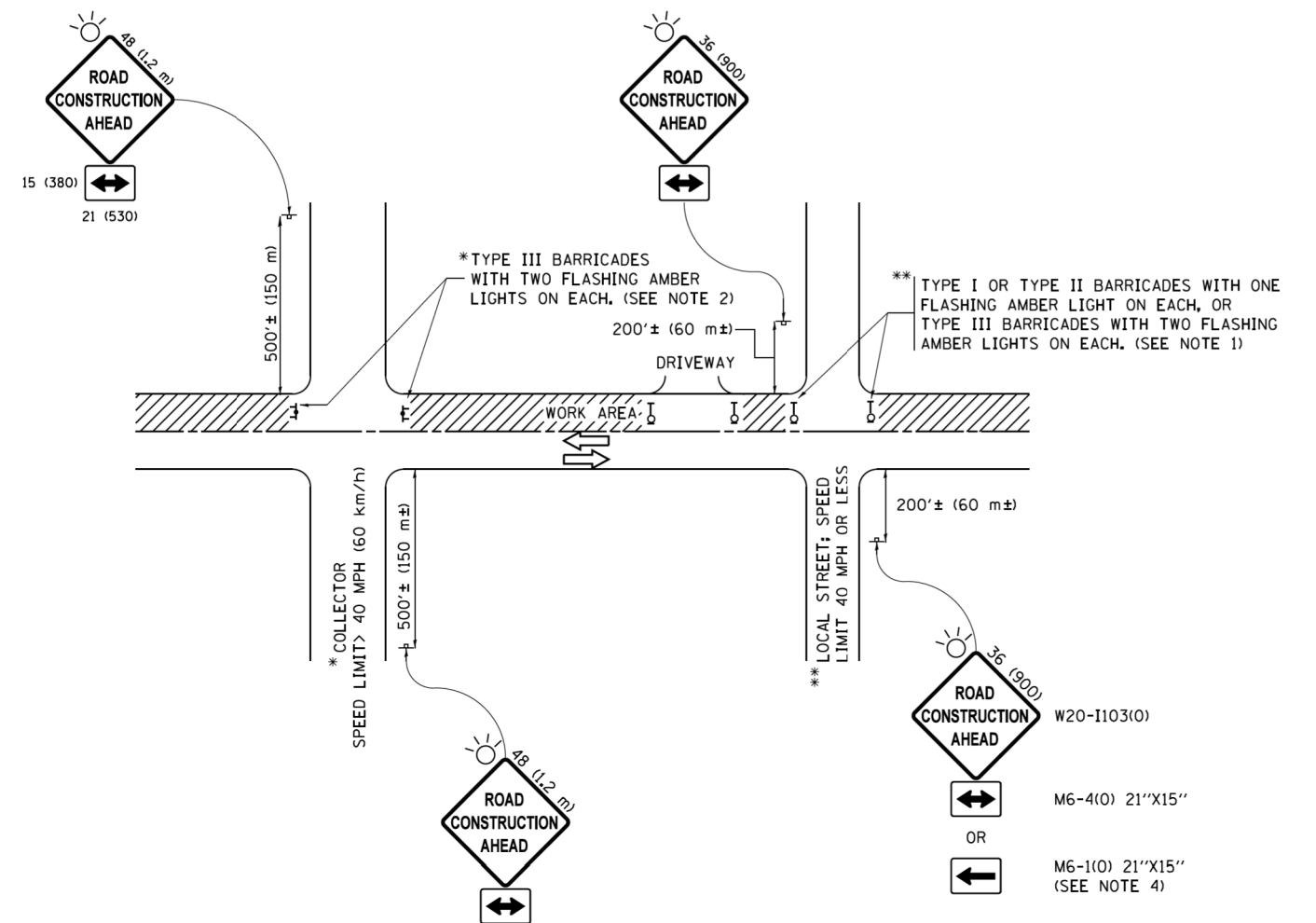
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	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	70
BD400-05 BD32			CONTRACT NO. 62B75	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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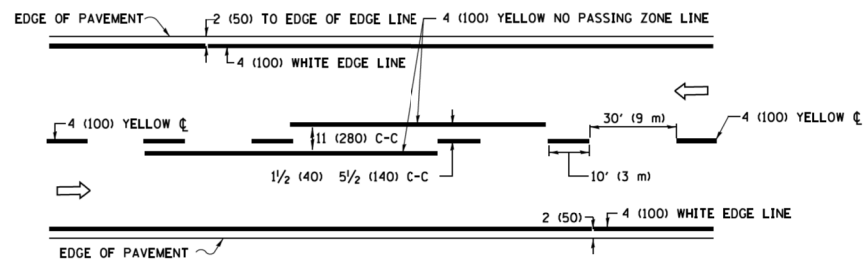
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

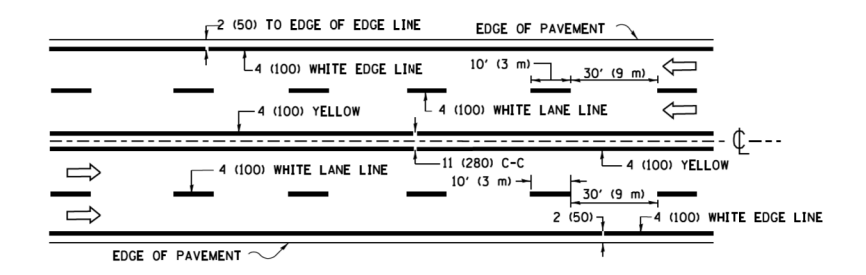
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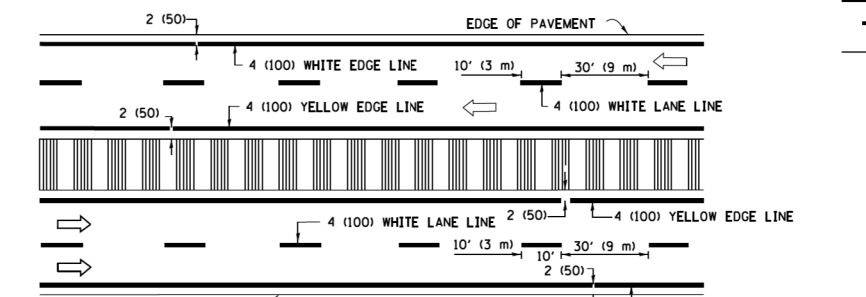
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ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

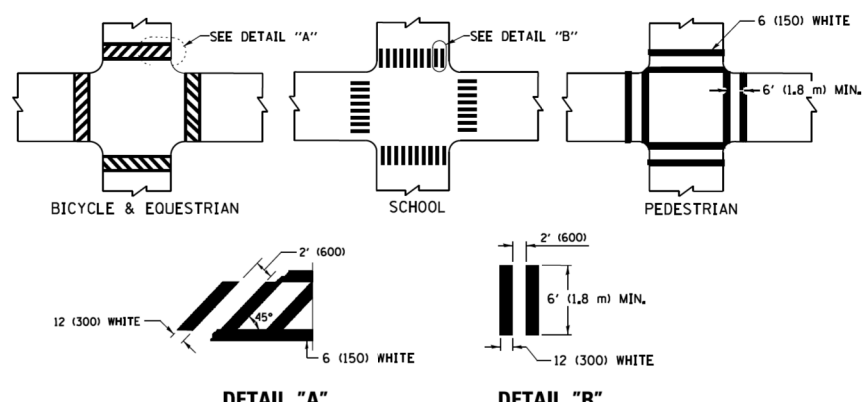


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

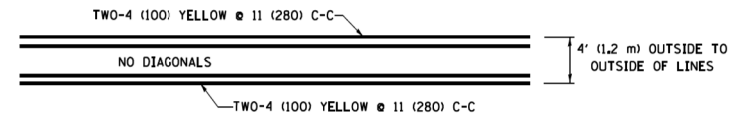
TYPICAL LANE AND EDGE LINE MARKING



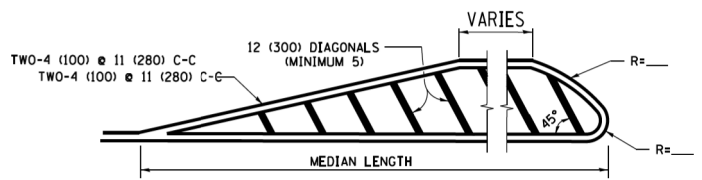
DETAIL "A" DETAIL "B"

TYPICAL CROSSWALK MARKING

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

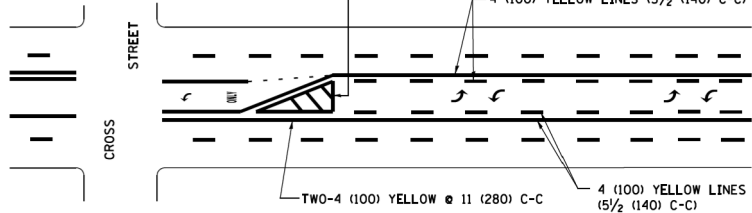


4' (1.2 m) WIDE MEDIANS ONLY



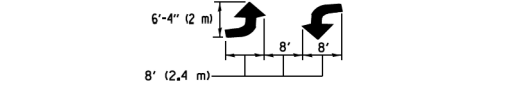
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

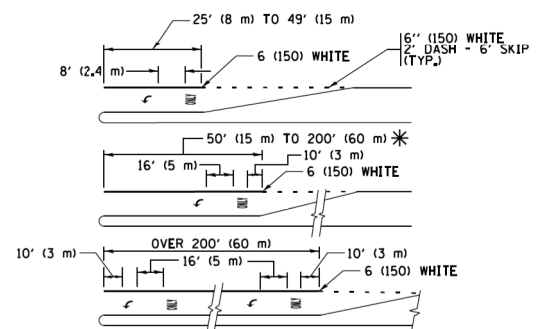


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



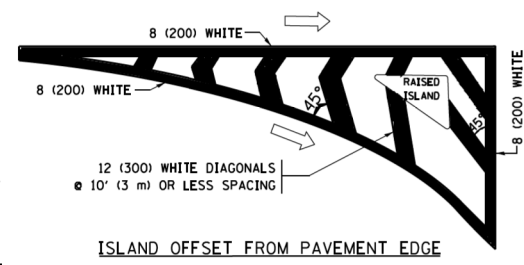
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



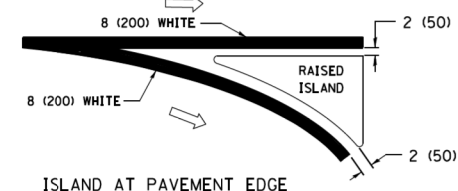
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

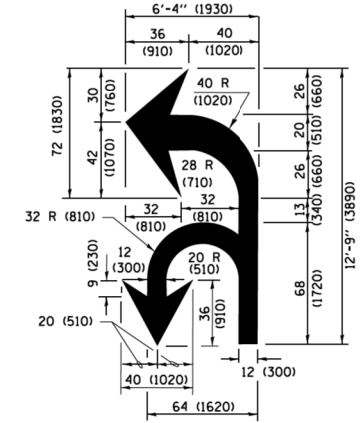
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



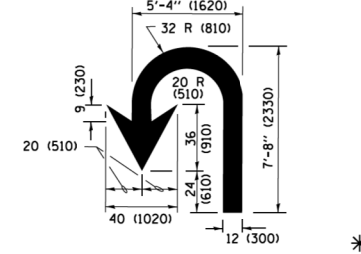
ISLAND OFFSET FROM PAVEMENT EDGE



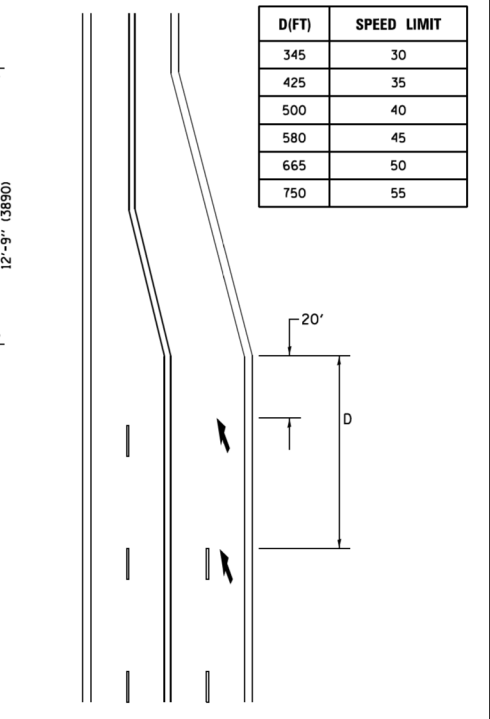
ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION
 * LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

F.A.U RTE. 2711	SECTION 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 72
TC-13			CONTRACT NO.	62B75
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

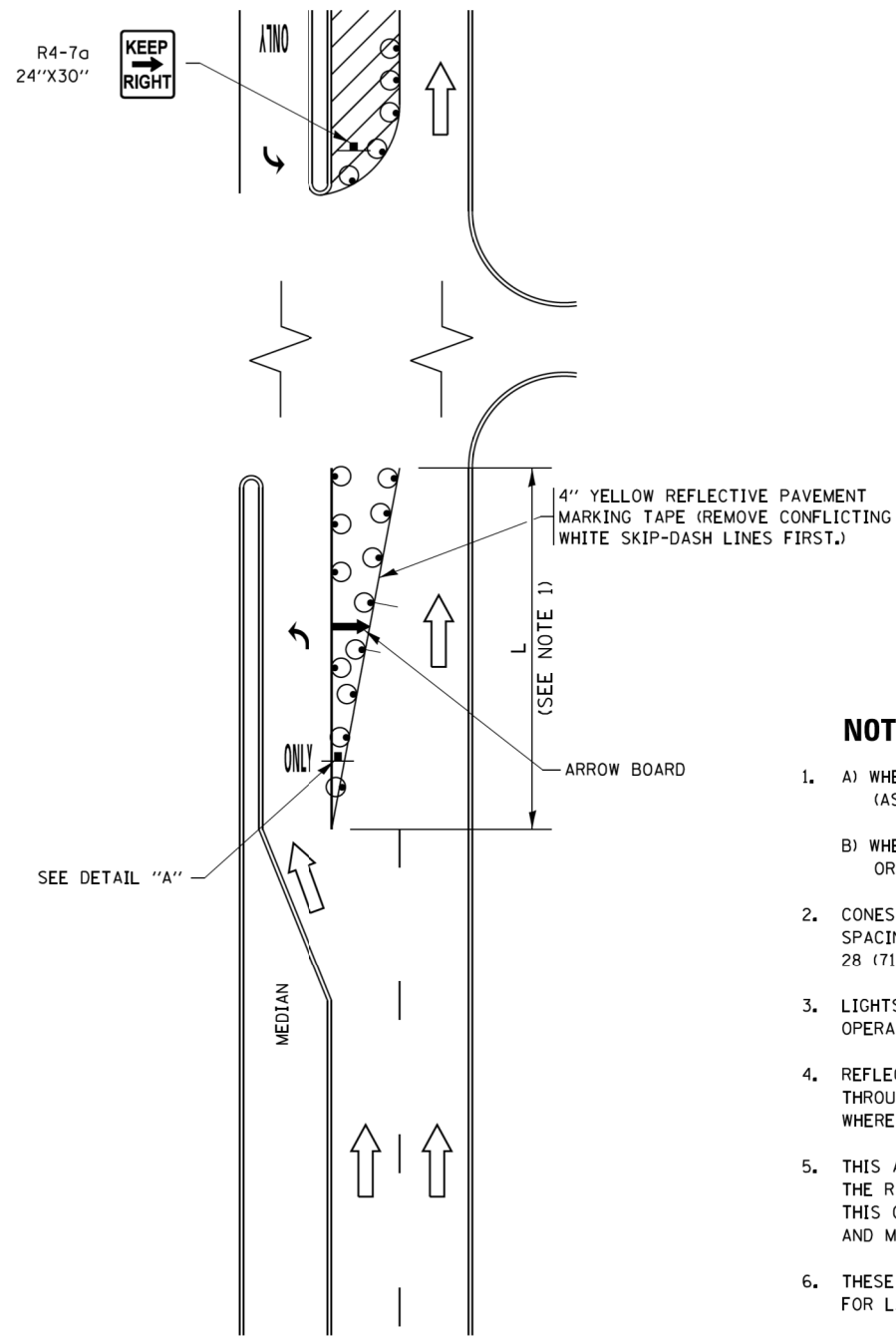


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

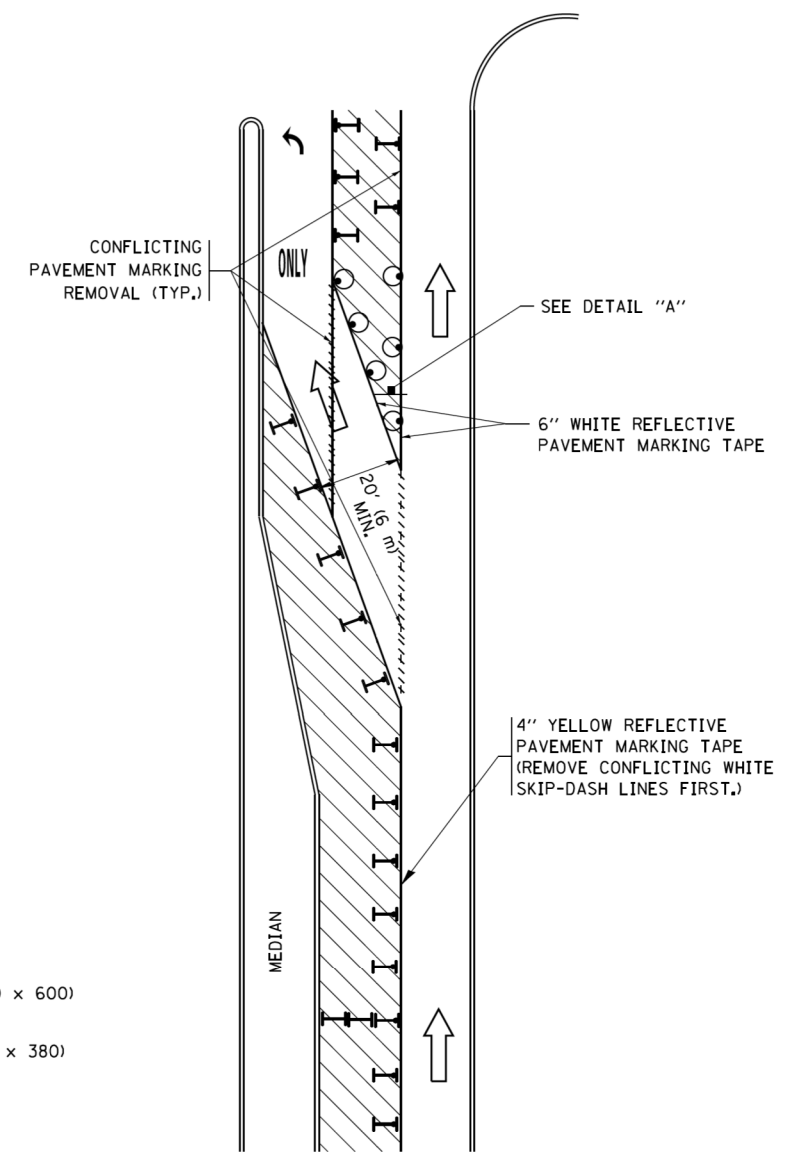


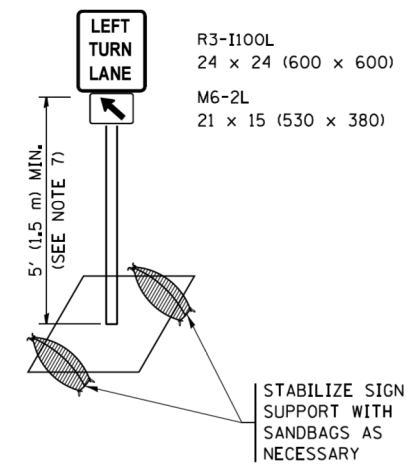
FIGURE 2

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 \leq 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-I100R 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 PRE 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.

COMPANY NAME: #COMPANY NAMES
PROJECT CONTACT: #PROJECT CONTACTS
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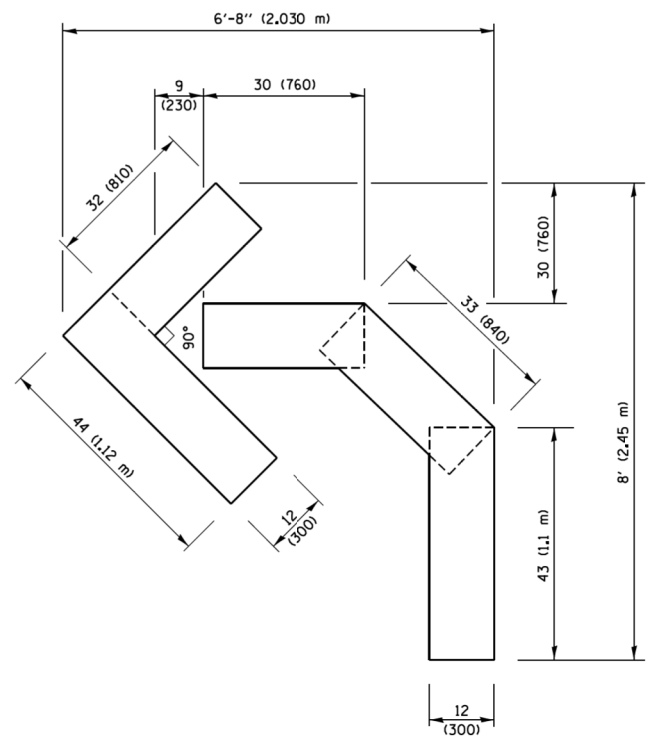
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Default	PLOT SCALE = 50,0000 ' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

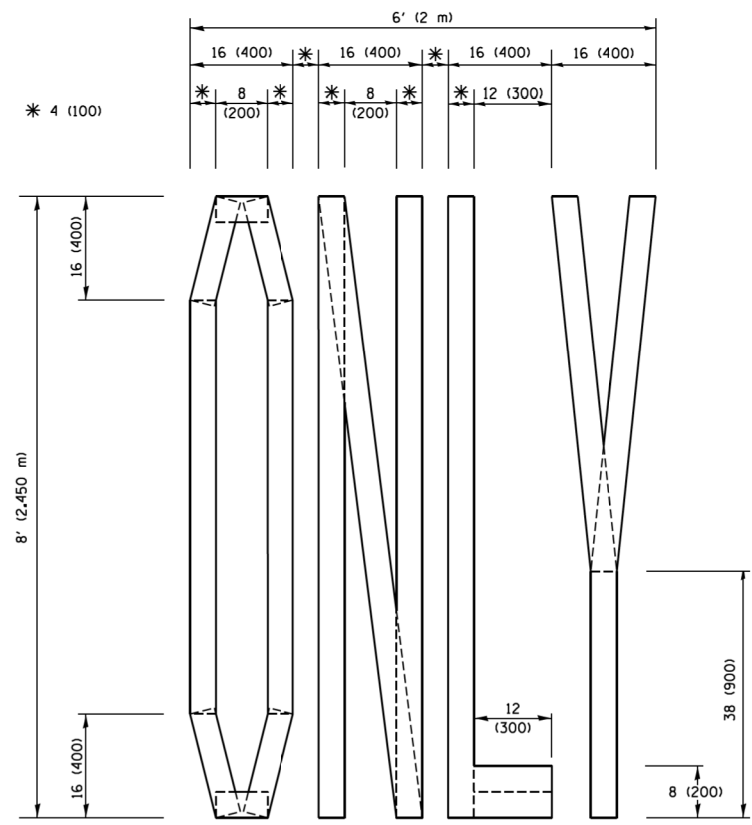
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

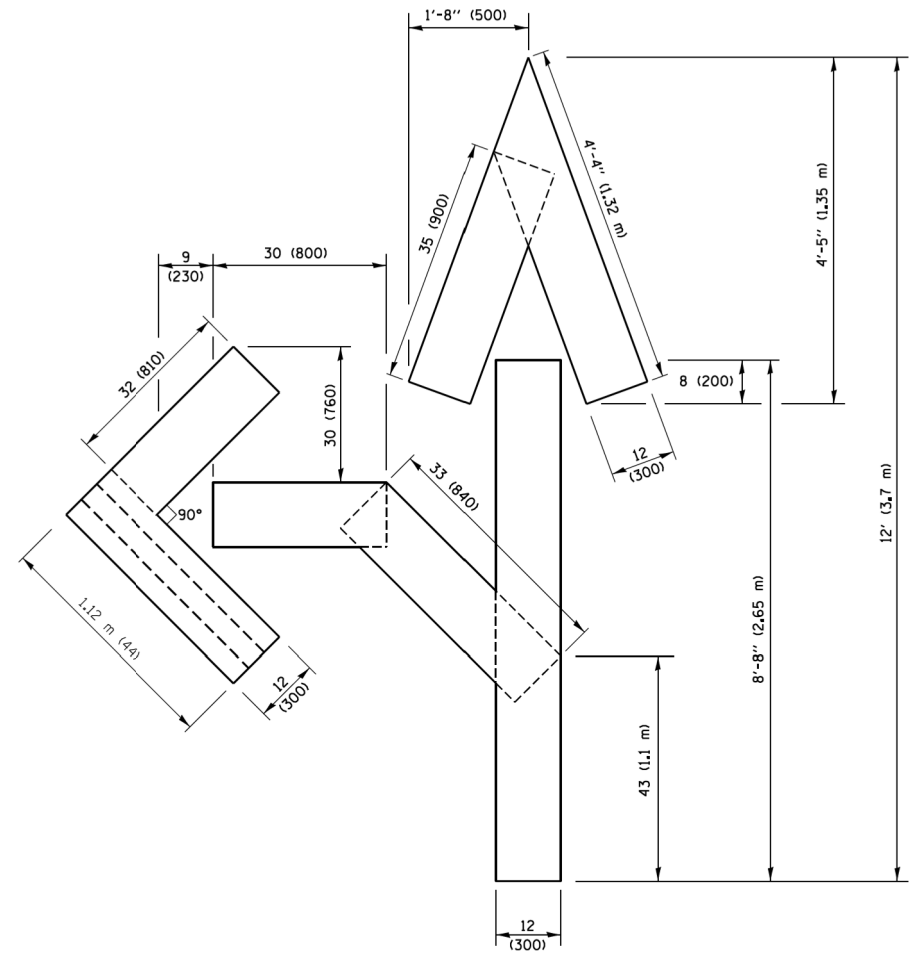
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	73
TC-14		CONTRACT NO.	62B75	
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

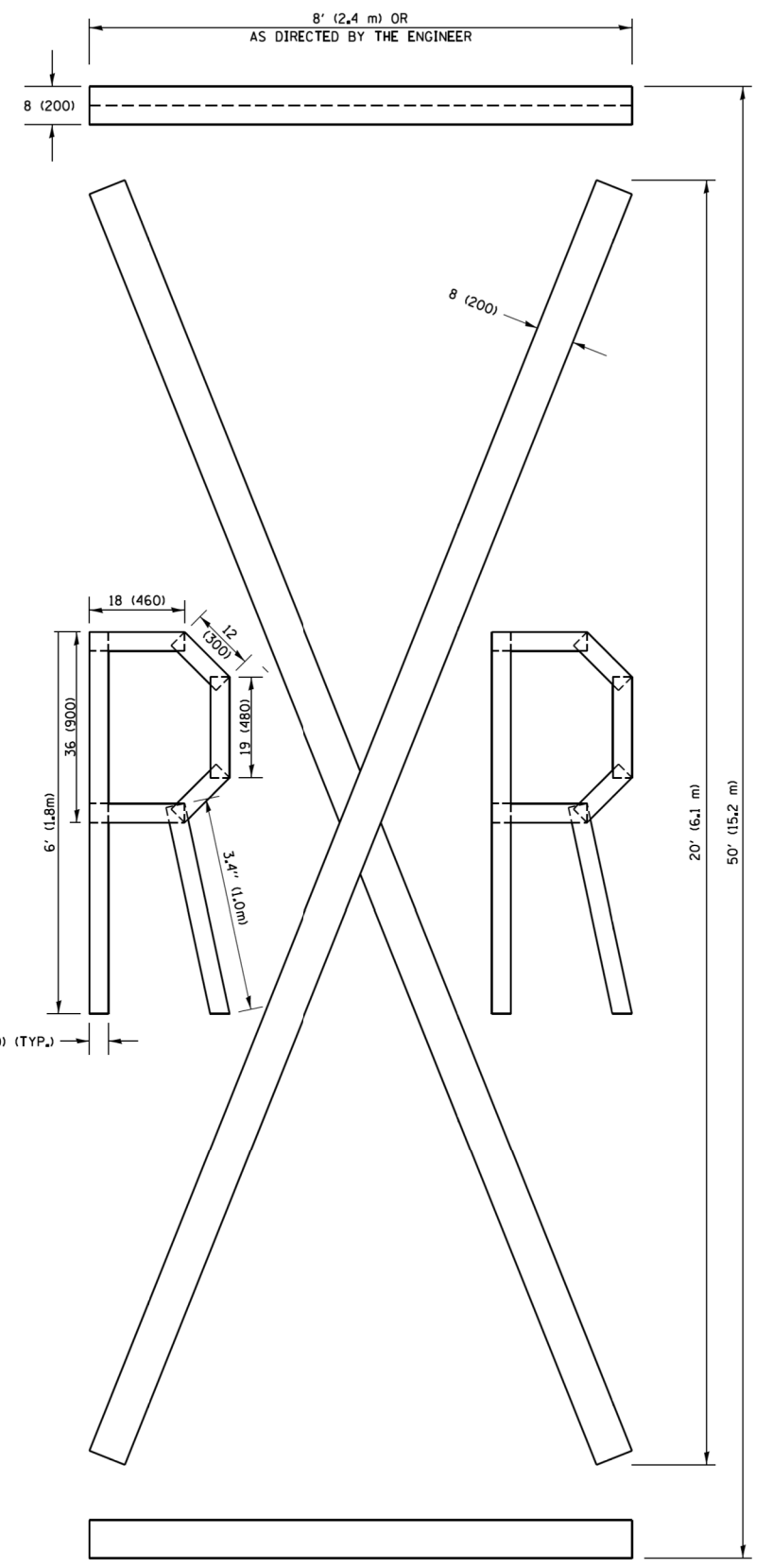


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
 IN LINEAR FEET OF 4" LINES TO MATCH THE
 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
 THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

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 PROJECT CONTACT: PROJECT CONTACT
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PLOT DATE = 9/15/2016		DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	74
TC-16		CONTRACT NO.	62875	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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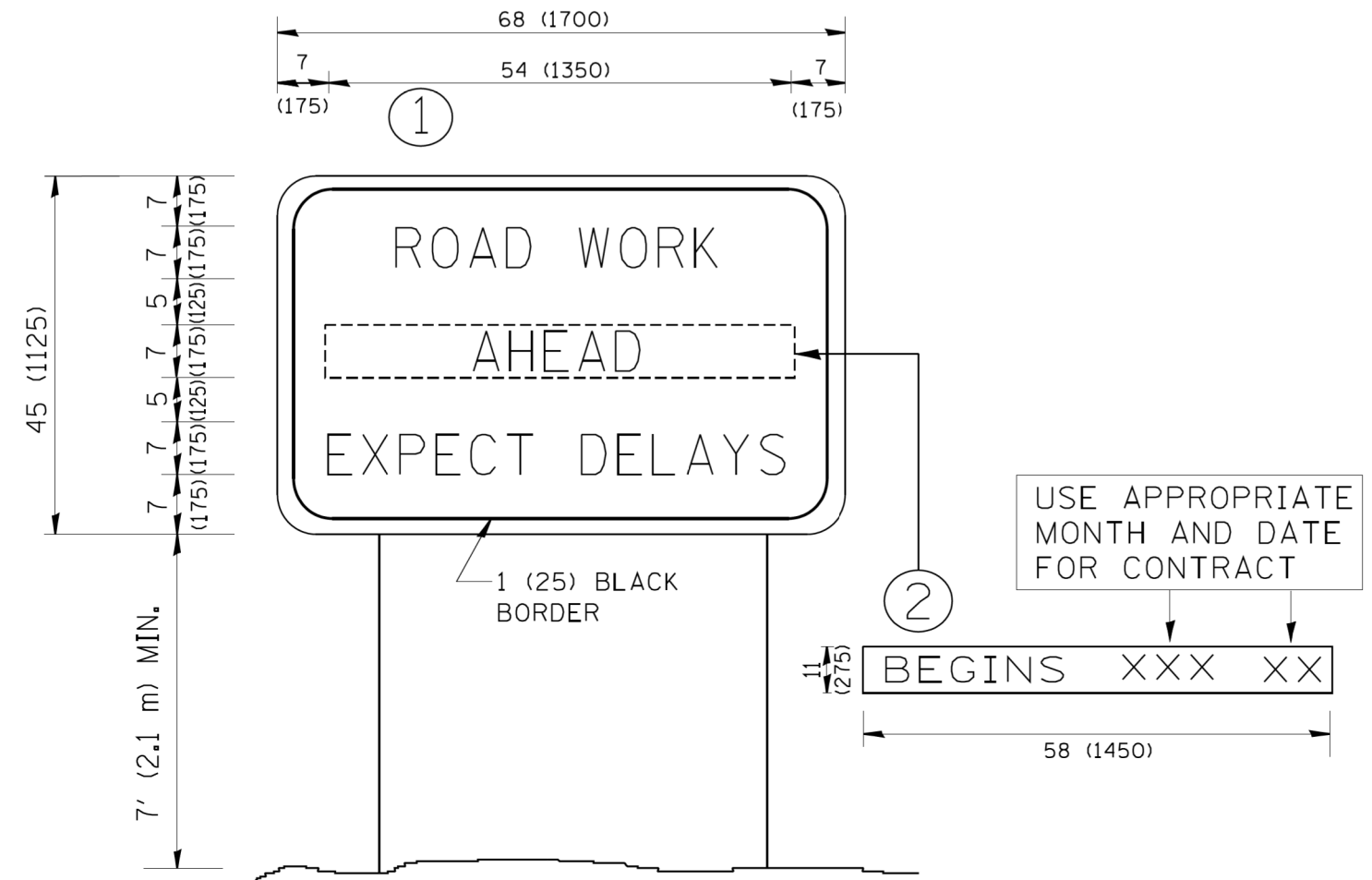
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	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
 INFORMATION SIGN**

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

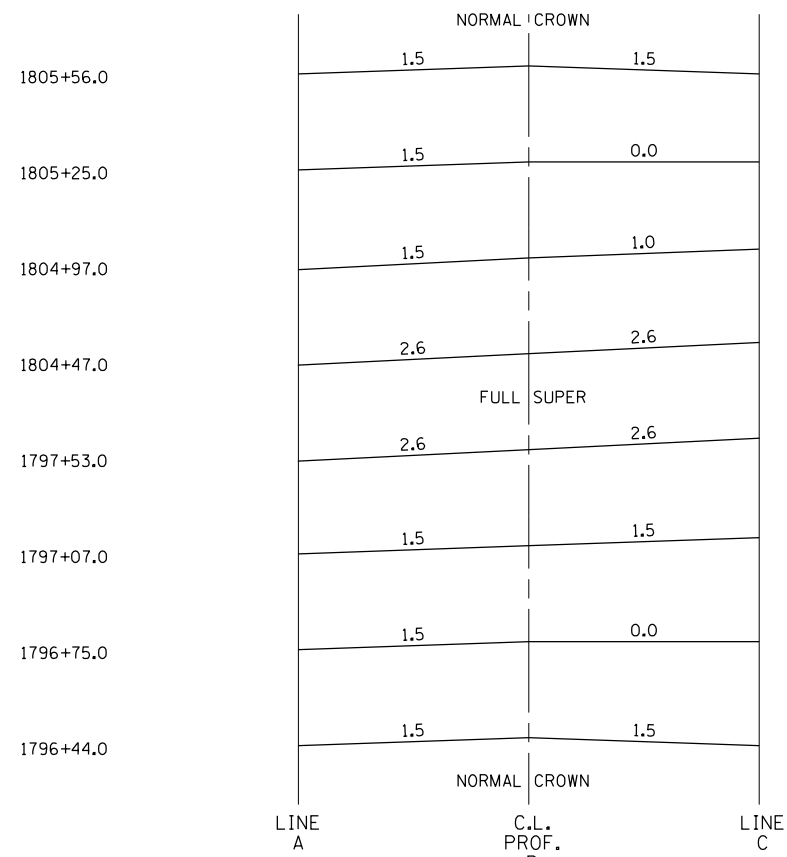
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TC-22			CONTRACT NO.	62B75
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



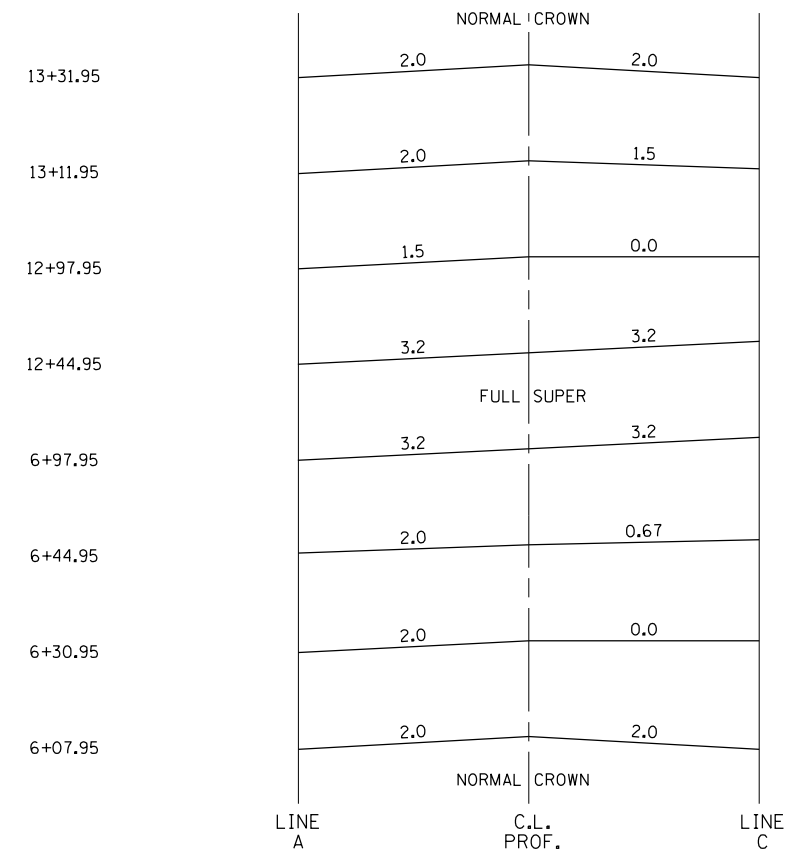
NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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



PR IL 131 SUPERELEVATION DETAILS
 AXIS OF ROTATION: ABOUT CENTERLINE



PR KENOSHA ROAD SUPERELEVATION DETAILS
 AXIS OF ROTATION: ABOUT CENTERLINE

SLOPE		SUPERELEVATION TRANSITIONS					SLOPE
		STATION	SHLD WIDTH	LT	CL	RT	
IL 131							
NORMAL CROWN							
-1.50%	1805+56.00	8	744.67	744.94	744.67	8	-1.50%
-1.50%	1805+25.00	8	744.96	745.23	745.23	8	0.00%
-1.50%	1804+97.00	8	745.10	745.50	745.83	8	1.00%
-2.60%	1804+47.00	8	745.50	745.97	746.70	8	2.60%
FULL SUPER							
-2.60%	1797+53.00	8	745.02	745.68	746.15	8	2.60%
-1.50%	1797+07.00	8	744.71	744.99	745.17	8	1.50%
-1.50%	1796+75.00	8	744.34	744.61	744.61	8	0.00%
-1.50%	1796+44.00	8	744.06	744.33	744.06	8	-1.50%
KENOSHA ROAD							
NORMAL CROWN							
-2.00%	13+31.95	4	742.60	743.04	742.68	4	-2.00%
-2.00%	13+11.95	4	742.72	743.16	742.89	4	-1.50%
-1.50%	12+97.95	4	742.93	743.26	743.26	4	0.00%
-3.20%	12+44.95	4	742.82	743.52	744.10	4	3.20%
FULL SUPER							
-3.20%	6+97.95	4	740.51	741.21	741.91	4	3.20%
-2.00%	6+44.95	4	740.50	740.94	741.09	4	0.67%
-2.00%	6+30.95	4	740.43	740.87	740.87	4	0.00%
-2.00%	6+07.95	4	740.32	740.76	740.32	4	-2.00%
NORMAL CROWN							

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 3/21/2019 4:38:17 PM
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 PEN TABLE: plot.tbl



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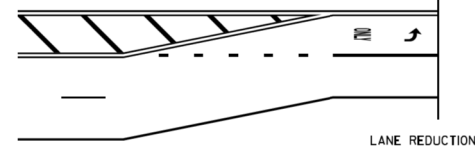
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERELEVATION
 TRANSITION DETAILS**

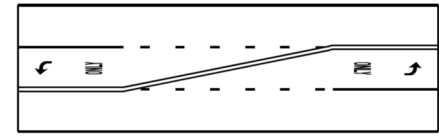
SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	76
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75

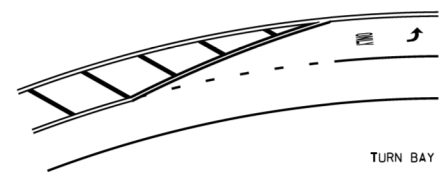
TYPICAL MINI-SKIP PAVEMENT MARKINGS



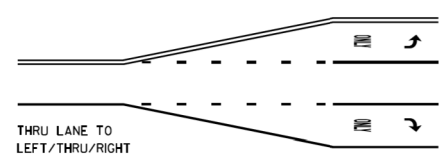
LANE REDUCTION



DOUBLE TAPER



TURN BAY ON CURVE

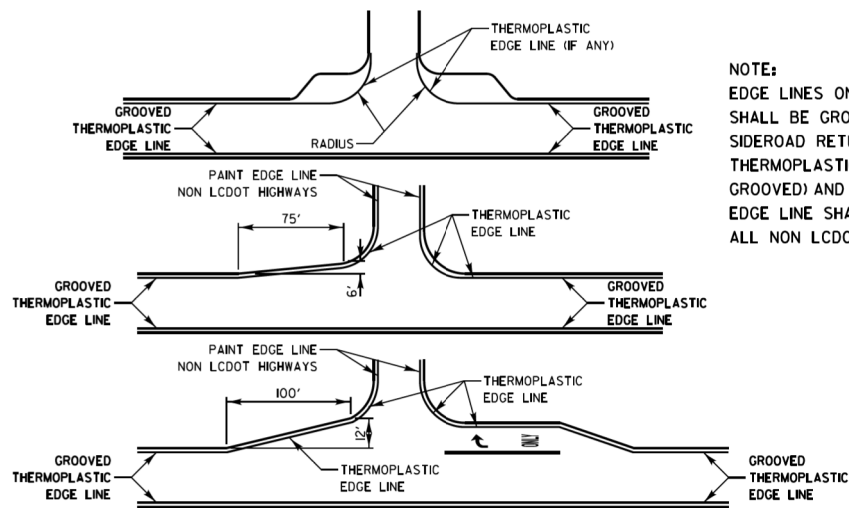


THRU LANE TO LEFT/THRU/RIGHT

MINI-SKIPS ARE 2 FEET WHITE LINE WITH 6 FEET SPACING, THE MINI-SKIP IS THE SAME WIDTH AS THE PAVEMENT MARKING LINE, IT EXTENDS.

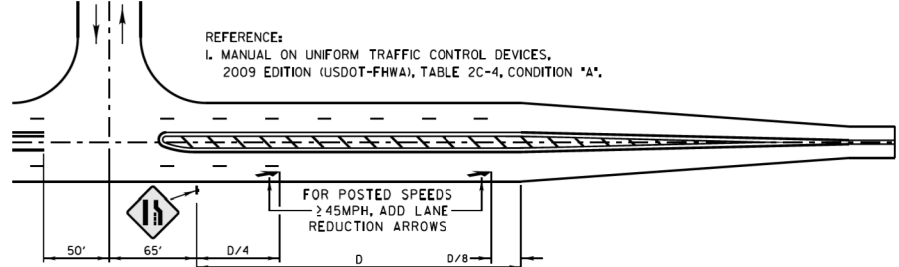
TYPICAL PAVEMENT MARKINGS

EDGE LINE RADII AT SIDE STREETS



NOTE:
EDGE LINES ON LCDOT HIGHWAYS SHALL BE GROOVED THERMOPLASTIC. SIDEROAD RETURNS SHALL BE A THERMOPLASTIC EDGE LINE (NOT GROOVED) AND THE SIDEROAD EDGE LINE SHALL BE PAINT ON ALL NON LCDOT HIGHWAYS.

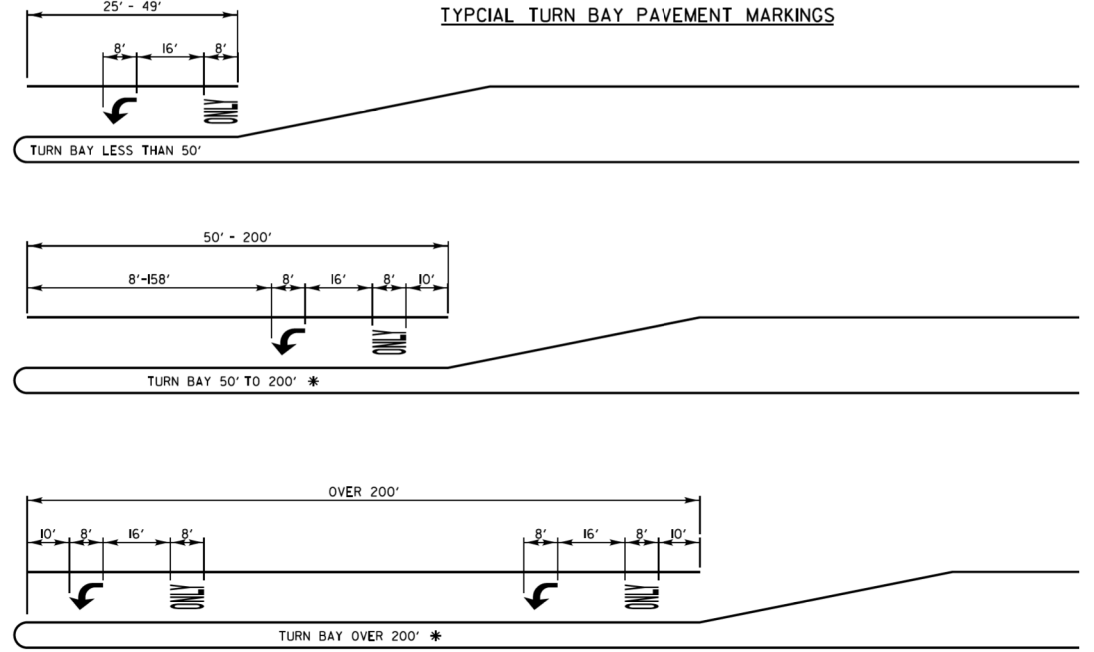
LANE REDUCTION ARROW PLACEMENT



REFERENCE:
1. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION (USDOT-FHWA), TABLE 2C-4, CONDITION "A".

DESIGN SPEED MPH	D (FEET)
<45	VARIES
45	775' [1]
50	885' [1]
55	990' [1]

TYPICAL TURN BAY PAVEMENT MARKINGS



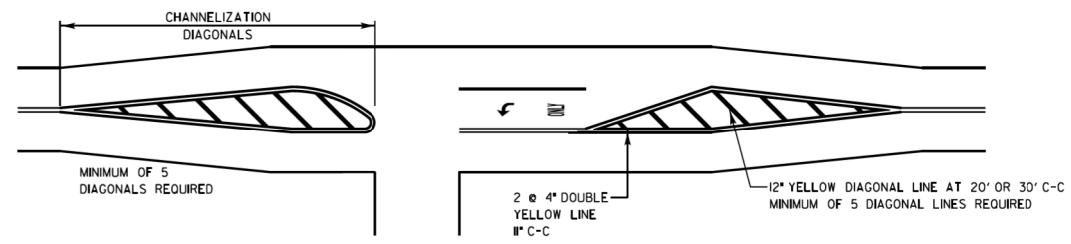
* AT INTERSECTIONS WITH VIDEO DETECTION, THE ARROW AND ONLY PAVEMENT MARKINGS SHALL BE A MINIMUM OF 30' BEHIND THE STOP BAR.

AREA = 15.6 SQ. FT.

AREA = 20.8 SQ. FT.

FULL SIZE LETTERS (8") AND ARROWS SHALL BE USED. TURN LANES IN EXCESS OF 400' IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW W/ "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW W/ "ONLY".

TWO LANE ROAD



MINIMUM OF 5 DIAGONALS REQUIRED

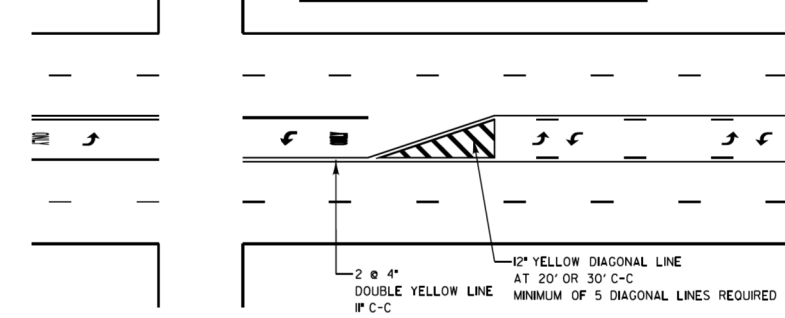
2 @ 4" DOUBLE YELLOW LINE 1" C-C

12" YELLOW DIAGONAL LINE AT 20' OR 30' C-C MINIMUM OF 5 DIAGONAL LINES REQUIRED

TYPICAL DIAGONAL SPACING

SPEED LIMIT RANGE	DIAGONAL SPACING	
	CONTINUOUS	INTERSECTION CHANNELIZATION
30-45 MPH	75 FT.	20 FT.
OVER 45 MPH	150 FT.	30 FT.

TWO-WAY LEFT TO LEFT TURN BAY



2 @ 4" DOUBLE YELLOW LINE 1" C-C

12" YELLOW DIAGONAL LINE AT 20' OR 30' C-C MINIMUM OF 5 DIAGONAL LINES REQUIRED

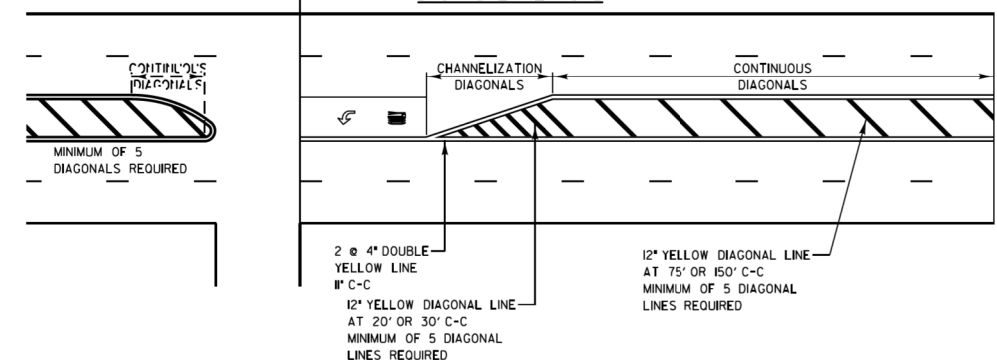
DUAL LEFT TURN ARROWS



31.2 SQ. FT. MINIMUM OF 2 SETS REQUIRED

A MINIMUM OF TWO PAIRS OF DUAL LEFT TURN ARROWS SHALL BE USED. THE DUAL LEFT TURN ARROWS SHALL BE WHITE IN COLOR, THE INTERVAL BETWEEN SETS OF DUAL LEFT TURN ARROWS SHOULD BE 200' AND 300'.

3 OR 5 LANE ROAD



MINIMUM OF 5 DIAGONALS REQUIRED

2 @ 4" DOUBLE YELLOW LINE 1" C-C

12" YELLOW DIAGONAL LINE AT 20' OR 30' C-C MINIMUM OF 5 DIAGONAL LINES REQUIRED

12" YELLOW DIAGONAL LINE AT 75' OR 150' C-C MINIMUM OF 5 DIAGONAL LINES REQUIRED

REVISIONS	DATE
SEPARATED RAILROAD SHEET	06/02/08
ADDED LANE REDUCTION ARROWS	07/1/12
RAISED TO RECESSED MARKERS	12/2/13
REMOVE STATION NUMBERS	5/30/14
THERMO EDGELINES at RETURNS	11/18/16
ALL PM TO GROOVED THERMO	1/26/17
REVISED EDGELINES at RETURNS	4/10/17
REVISED STOP BAR/DBL YELLOW	8/31/17

Lake County
Division of Transportation

APPROVED BY: A. KHAWAJA
DATE: APRIL 1, 2007

TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS

SHEET 1 OF 2

NO.	DESCRIPTION	DATE	BY	SURVEYOR

NO.	DESCRIPTION	DATE	BY	SURVEYOR

Lake County
Division of Transportation

PROJECT NAME	ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
LAKE COUNTY STANDARDS & DETAILS	CHXX	XXX	XX-XXXXX-XX-XX	XXX	XXX

FILE NAME: C:\Users\hdm\c\Desktop\LC7800 TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS.dgn

COMPANY NAME: HRGreen.com
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 3/21/2019 4:38:40 PM
FILE NAME: D:\62B75-shd-det-LC7800.dgn
PLOT DRIVER: ILpdfwrtf9
PEN TABLE: plottbl.tbl

HRGreen
HRGreen.com
Illinois Professional Design Firm
#184-001322

USER NAME	DESIGNED	REVISIONS
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PLOT DATE = 3/21/2019	DATE	-

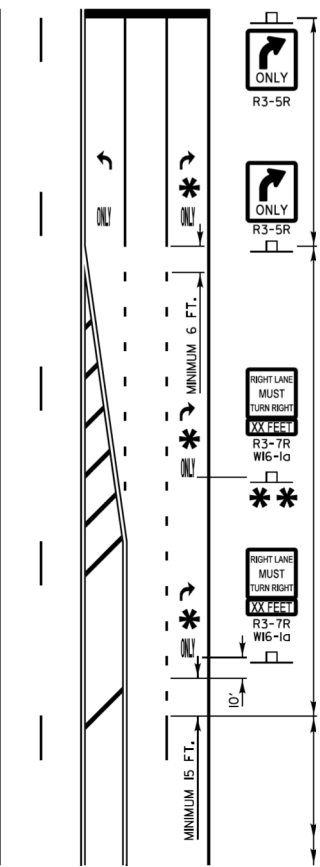
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NTS SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	77

CONTRACT NO. 62B75
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

THRU LANE TO
TURN LANE CONVERSION



TURN LANE
6" WHITE LINE
(ADDITIONAL PAVEMENT MARKINGS AS SHOWN
ON SHEET ONE OF THE L.C.D.O.T TYPICAL
PAVEMENT MARKINGS DETAIL SHEETS)

TRANSITION ZONE
6" WHITE 3'/12" SKIP DASH
LANE LINE

MINIMUM TRANSITION ZONE LENGTH

POSTED SPEED	LENGTH
25 M.P.H.	255 FT
30 M.P.H.	330 FT
35 M.P.H.	405 FT
40 M.P.H.	480 FT
45 M.P.H.	555 FT
50 M.P.H.	630 FT
55 M.P.H.	705 FT

* LOCATION OF PAV'T MARKINGS
(MEASURED FROM BEGINNING OF TRANSITION ZONE)

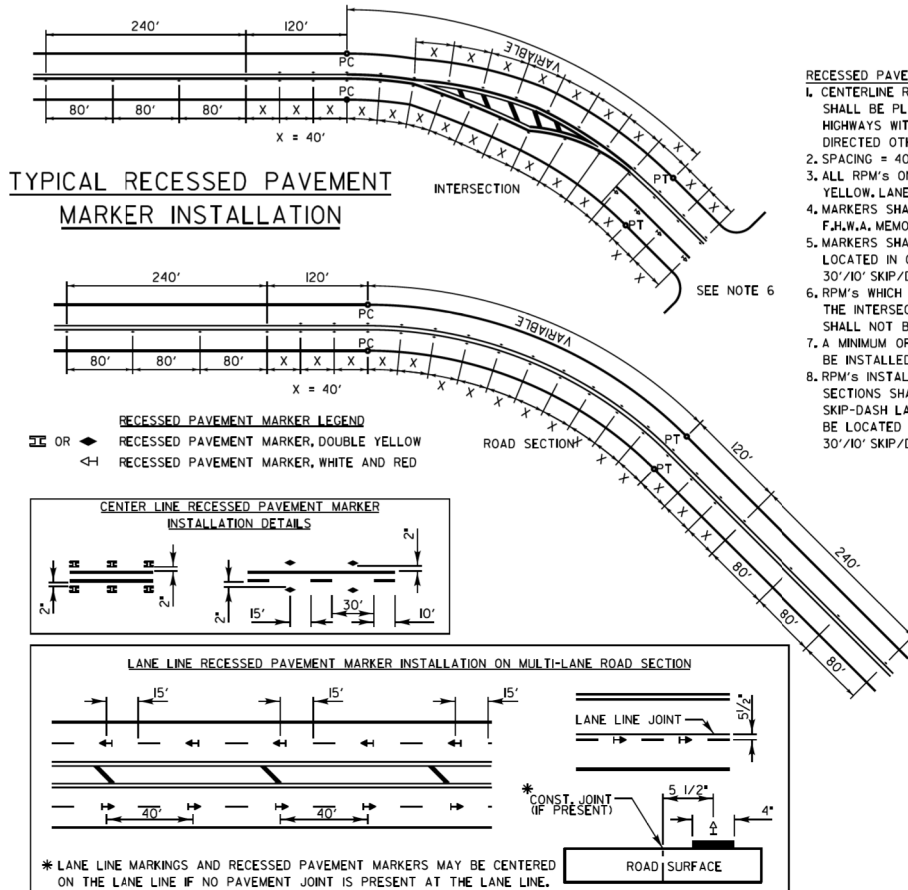
POSTED SPEED	LOCATION OF PAV'T MARKINGS
25 M.P.H.	10 FT, 260 FT
30 M.P.H.	10 FT, 170 FT, 340 FT
35 M.P.H.	10 FT, 210 FT, 410 FT
40 M.P.H.	10 FT, 170 FT, 330 FT, 490 FT
45 M.P.H.	10 FT, 190 FT, 370 FT, 560 FT
50 M.P.H.	10 FT, 170 FT, 330 FT, 490 FT, 640 FT
55 M.P.H.	10 FT, 180 FT, 350 FT, 520 FT, 710 FT

THRU LANE
4" WHITE 10'/30" SKIP DASH
LANE LINE

** FOR POSTED SPEEDS 40 M.P.H. OR GREATER
A SECOND R3-7/W16-1a SIGN INSTALLATION
SHALL BE LOCATED HALFWAY BETWEEN THE
BEGINNING OF THE TRANSITION ZONE AND THE
BEGINNING OF THE TURN LANE

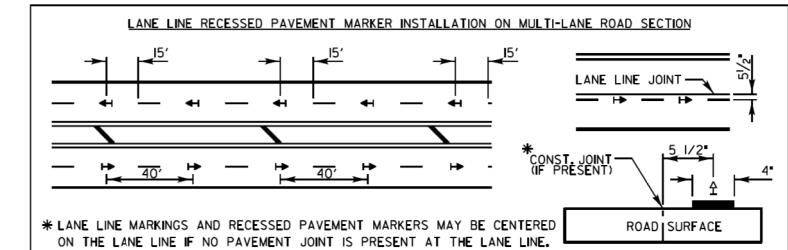
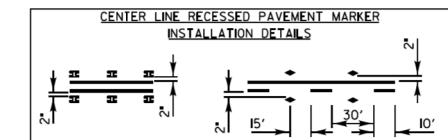
TYPICAL PAVEMENT MARKINGS AND RECESSED PAVEMENT MARKERS

TYPICAL RECESSED PAVEMENT
MARKER INSTALLATION

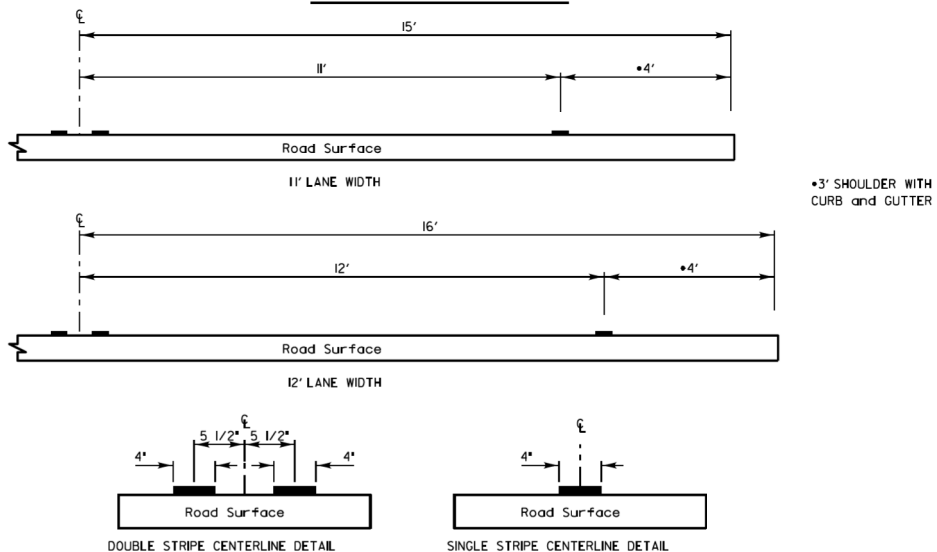


- RECESSED PAVEMENT MARKER NOTES:
- CENTERLINE RECESSED PAVEMENT MARKERS (RPM'S) SHALL BE PLACED ON ALL TWO AND THREE LANE HIGHWAYS WITH CURVES OVER 3 1/2 DEGREES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 - SPACING = 40' FOR CENTERLINE MARKERS.
 - ALL RPM'S ON CENTERLINE ARE 2-WAY YELLOW, LANE LINE MARKERS ARE WHITE/RED.
 - MARKERS SHALL BE INSTALLED ACCORDING TO F.H.W.A. MEMORANDUM HO-2L.
 - MARKERS SHALL BE FIELD ADJUSTED TO BE LOCATED IN CENTER OF THE 30'/10' GAP OF A 30'/10' SKIP/DASH CENTERLINE.
 - RPM'S WHICH ARE TO BE LOCATED WITHIN THE INTERSECTION OF A CROSS STREET, SHALL NOT BE INSTALLED.
 - A MINIMUM OF 4 WHITE/RED MARKERS SHALL BE INSTALLED ALONG THE TURN LANE LINE.
 - RPM'S INSTALLED ON MULTI-LANE ROAD SECTIONS SHALL BE INSTALLED ON THE WHITE SKIP-DASH LANE LINE ONLY, THESE RPM'S SHALL BE LOCATED IN CENTER OF THE 30'/10' GAP OF A 30'/10' SKIP/DASH LANE LINE.

- RECESSED PAVEMENT MARKER LEGEND
- OR RECESSED PAVEMENT MARKER, DOUBLE YELLOW
 - OR RECESSED PAVEMENT MARKER, WHITE AND RED

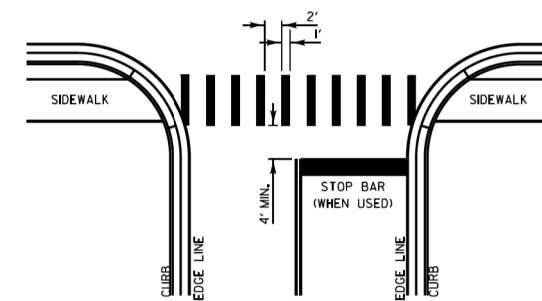


PAVEMENT CROSS SECTION SHOWING TYPICAL PAVEMENT MARKINGS
(2-LANE ROADWAY)



NOTE:
CENTERLINE MARKINGS ARE 4" LINES AT 12" CENTERS.

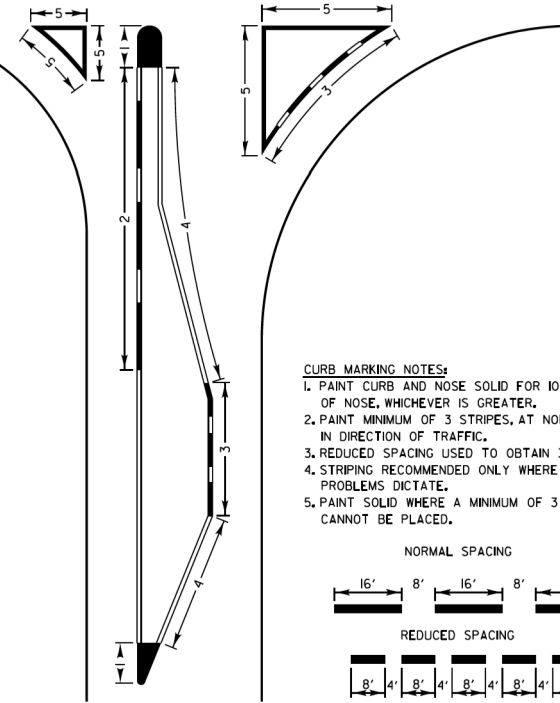
CROSSWALKS



CROSSWALK NOTES:

- THE WIDTH OF THE CROSSWALK IS GENERALLY 6' EXCEPT AT SCHOOL CROSSINGS AND MULTIUSE PATH CROSSINGS, WHICH CAN BE 8' OR 10' WIDE.
- THE STOP BAR SHALL BE INSTALLED A MINIMUM OF 4' IN ADVANCE OF THE CROSSWALK.

CURB MARKING



CURB MARKING NOTES:

- PAINT CURB AND NOSE SOLID FOR 10' OR RADIUS OF NOSE, WHICHEVER IS GREATER.
- PAINT MINIMUM OF 3 STRIPES, AT NORMAL SPACING, IN DIRECTION OF TRAFFIC.
- REDUCED SPACING USED TO OBTAIN 3 STRIPE MINIMUM.
- STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
- PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

PAVEMENT MARKING GUIDELINES				
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE OF 2 LANE PAVEMENT	4 IN.	SKIP-DASH	YELLOW	10 FT. LINE WITH 30 FT. SPACE
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 IN.	SOLID	YELLOW	5 1/2 IN. C-C FROM SKIP-DASH CENTERLINE
CENTERLINE ON MULTI-LANE UNDIVIDED LANE LINES	2 @ 4 IN.	SOLID	YELLOW	11 IN. C-C
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2 FT. LINE WITH 6 FT. SPACE
EDGE LINES	5 IN. WHITE 4 IN. YELLOW	SOLID	WHITE - RIGHT YELLOW - LEFT	OUTLINE RAISED MEDIANS IN YELLOW
TURN LANE MARKINGS	6 IN. LINE FULL SIZE LETTERS AND SYMBOLS (8 FT.)	SOLID	WHITE	TURN ARROW 15.6 SQ. FT. STRAIGHT ARROW 11.5 SQ. FT. ONLY 20.8 SQ. FT. COMB. ARROW 26.0 SQ. FT.
TWO WAY LEFT TURN MARKING	2 @ 4 IN. EACH DIRECTION 8 FT. LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10 FT. LINE WITH 30 FT. SPACE FOR SKIP-DASH 5 1/2 IN. C-C BETWEEN SKIP-DASH LINE AND SOLID LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK	12 IN. @ 90°	SOLID	WHITE	12 IN. LONGITUDINAL BAR WITH 24 IN. SPACE 6 FT. TO 12 FT. WIDE SEE TYPICAL CROSSWALK MARKING DETAIL
STOP BARS	24 IN.	SOLID	WHITE	PLACE 4 FT. IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE PLACE AT DESIRED STOPPING POINT.
PAINTED MEDIANS	2 @ 4 IN. & 11 IN. C-C 12 IN. DIAGONALS @ 45° NO DIAGONALS USED FOR 4 FT. WIDE MEDIAN	SOLID	YELLOW; 2-WAY TRAFFIC WHITE; 1-WAY TRAFFIC	11 IN. C-C FOR THE DOUBLE LANE SEE TYPICAL PAINTED MEDIAN MARKING DETAIL MINIMUM OF 5 DIAGONALS
GORE MARKING AND CHANNELIZING LINES	8 IN. WITH 12 IN. DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS 15 FT. C-C (LESS THAN 30 M.P.H.) 20 FT. C-C (30 TO 45 M.P.H.) 30 FT. C-C (OVER 45 M.P.H.) MINIMUM OF 5 DIAGONALS
R.R. CROSSING	24 IN. TRANSVERSE LINES RR IS 6 FT. LETTER 16 IN. LINE FOR "X"	SOLID	WHITE	SEE I.D.O.T. STD. 780001 50 FT. AREA OF "R" = 3.6 SQ. FT. / "R" "X" = 54.0 SQ. FT.
SHOULDER DIAGONALS (FOR PAVED SHOULDER 2 6 FT.)	12 IN. @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50 FT. C-C (LESS THAN 30 M.P.H.) 75 FT. C-C (30 TO 45 M.P.H.) 150 FT. C-C (OVER 45 M.P.H.) MINIMUM OF 5 DIAGONALS

ALL PAVEMENT MARKINGS TO BE GROOVED THERMOPLASTIC, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO PART III "MARKINGS" IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE LATEST I.D.O.T. HIGHWAY STANDARD 78000L

COMPANY NAME: HRGreen.com
PROJECT CONTACT: bhartma
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PLOT DRIVER: ILpdf.plt
PEN TABLE: plot.tbl

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Illinois Professional Design Firm
#184-001322

NO.	REVISIONS / REMARKS	DATE	BY	SURVEYOR
	DESCRIPTION			
	DESIGNER/LIAISON:			
	PLOTTED BY:			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LakeCounty
Division of Transportation

PROJECT NAME
LAKE COUNTY STANDARDS & DETAILS

REVISIONS DATE
SEPARATED RAILROAD SHEET 06/02/08
REVISED RPM DETAILS 07/11/12
RAISED TO RECESSED MARKERS 12/2/13
REMOVE STATION NUMBERS 5/30/14
THERMO EDGELINES AT RETURNS 11/18/16
ALL PM TO GROOVED THERMO 1/26/17
REVISED EDGELINES AT RETURNS 4/10/17
REVISED STOP BAR/DBL YELLOW 8/31/17

LakeCounty
Division of Transportation

APPROVED BY: A. KHAWAJA
DATE: APRIL 1, 2007

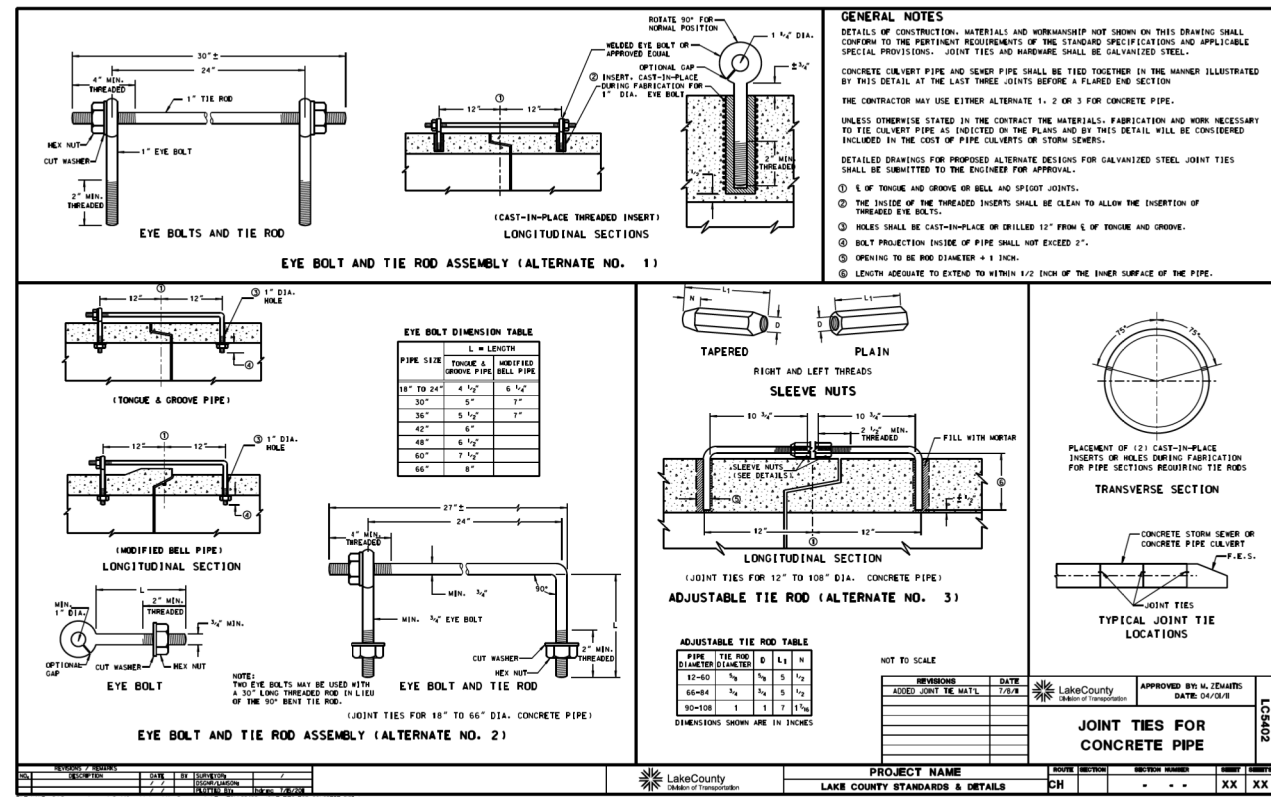
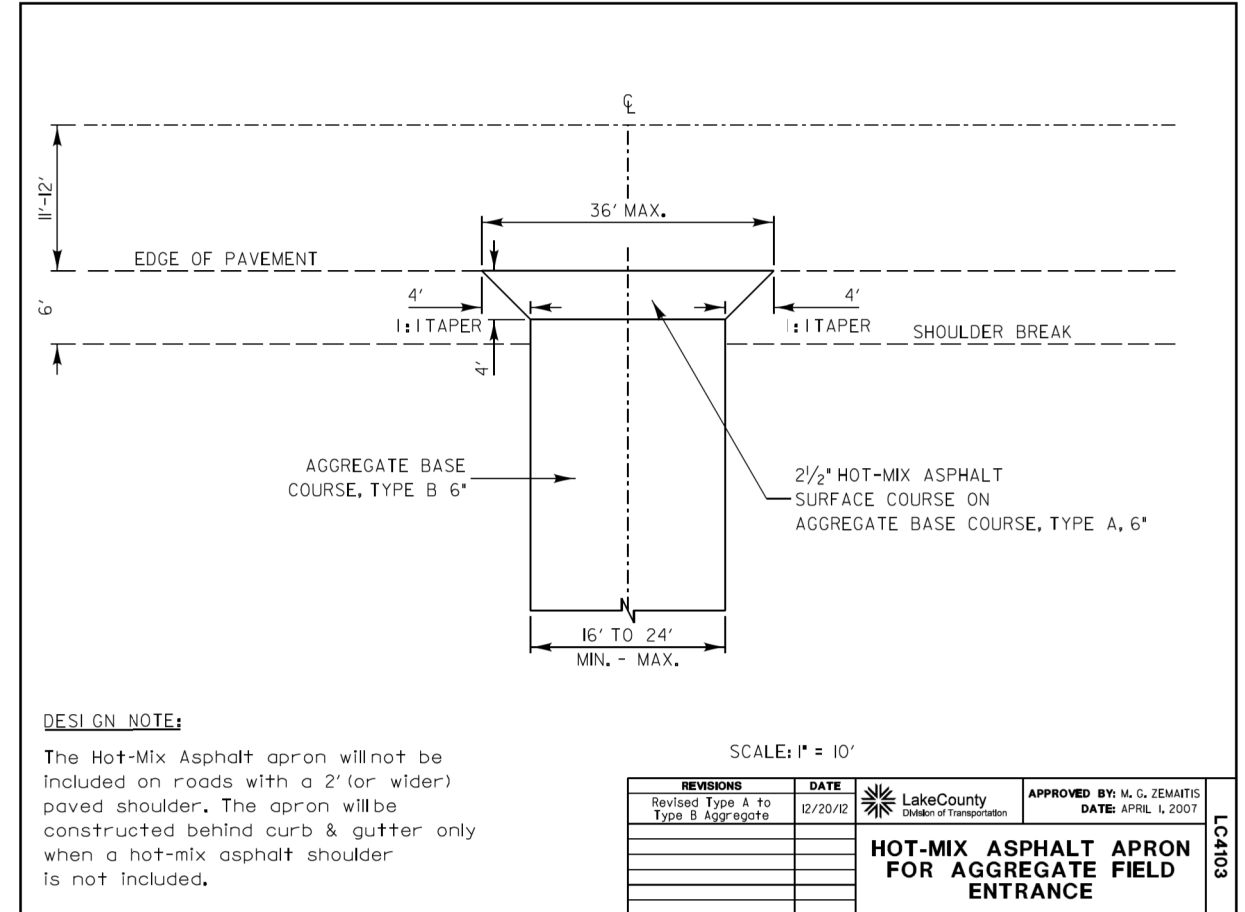
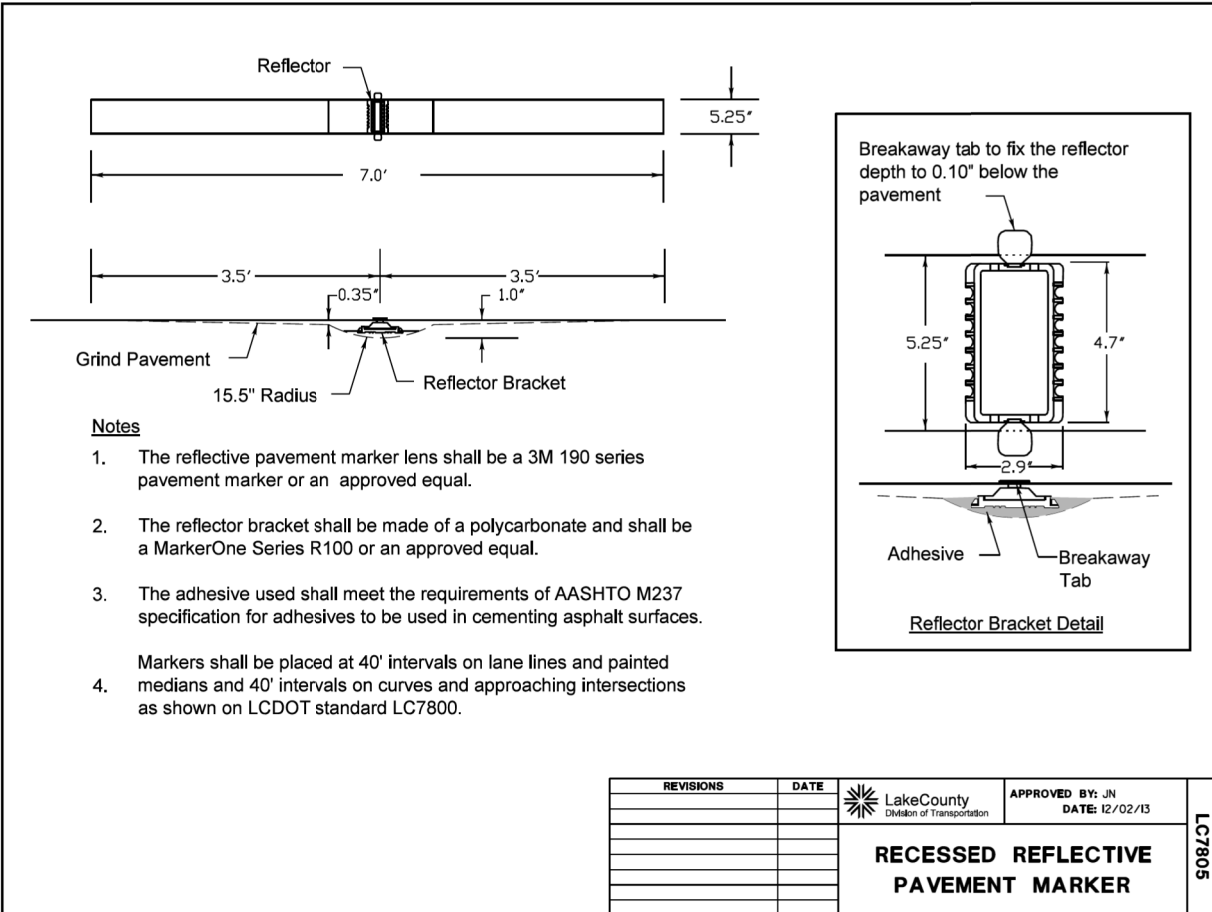
TYPICAL PAVEMENT MARKINGS
FOR COUNTY HIGHWAYS
SHEET 2 OF 2

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CHXX	XXX	XX-XXXXX-XX-XX	XXX	XXX

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	78

CONTRACT NO. 62B75
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

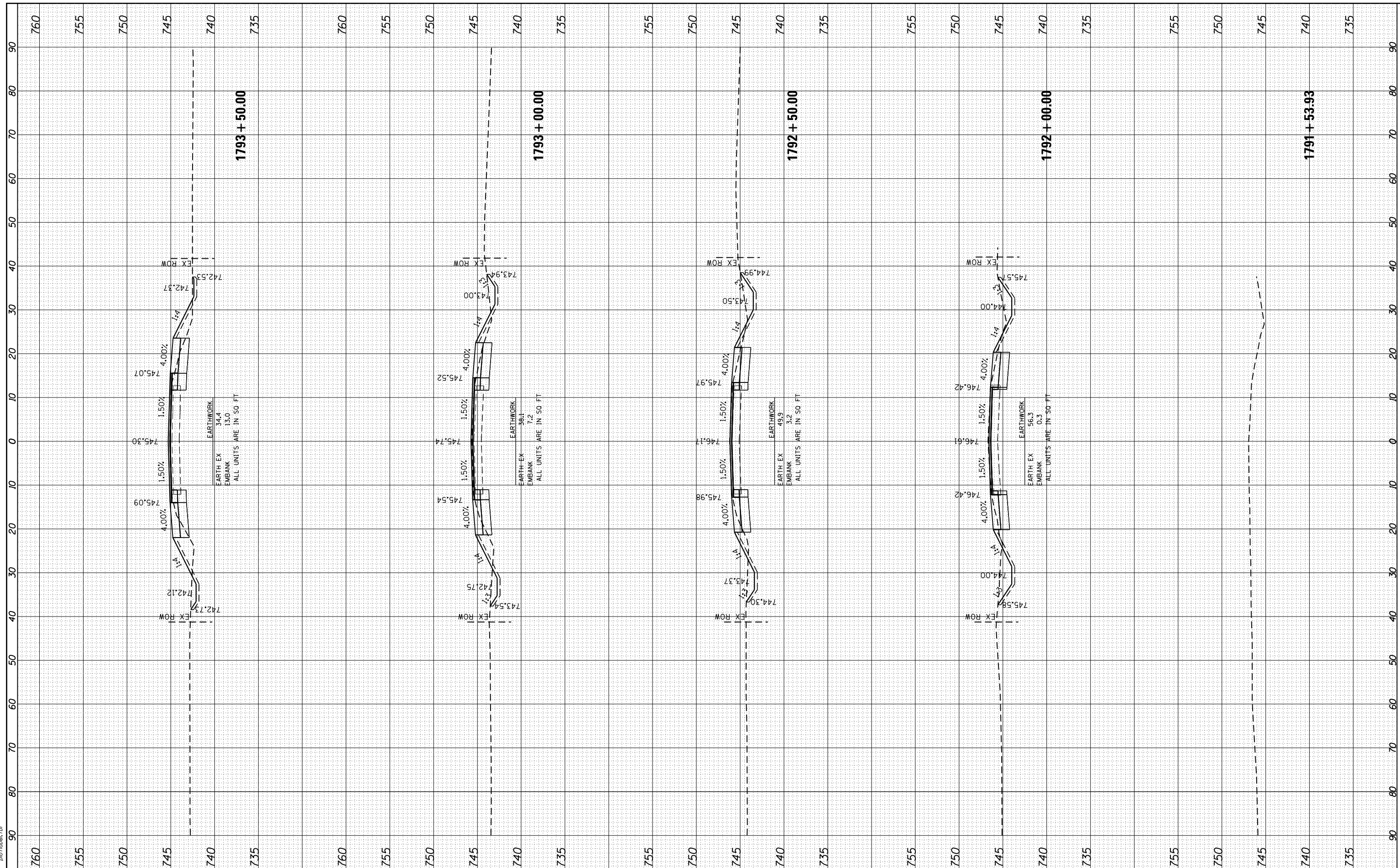
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	79
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

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 FILE NAME: 062875-ep1+accu131.mxd
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 PEN TABLE: p01tbla.tbl



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DESIGNED	- BH
DRAWN	- DMS
CHECKED	-
DATE	- 3/21/19

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
ILLINOIS ROUTE 131**

SCALE: 10H:10V SHEET NO. 1 OF 25 SHEETS STA. 1791+53.93 TO STA. 1793+50.00

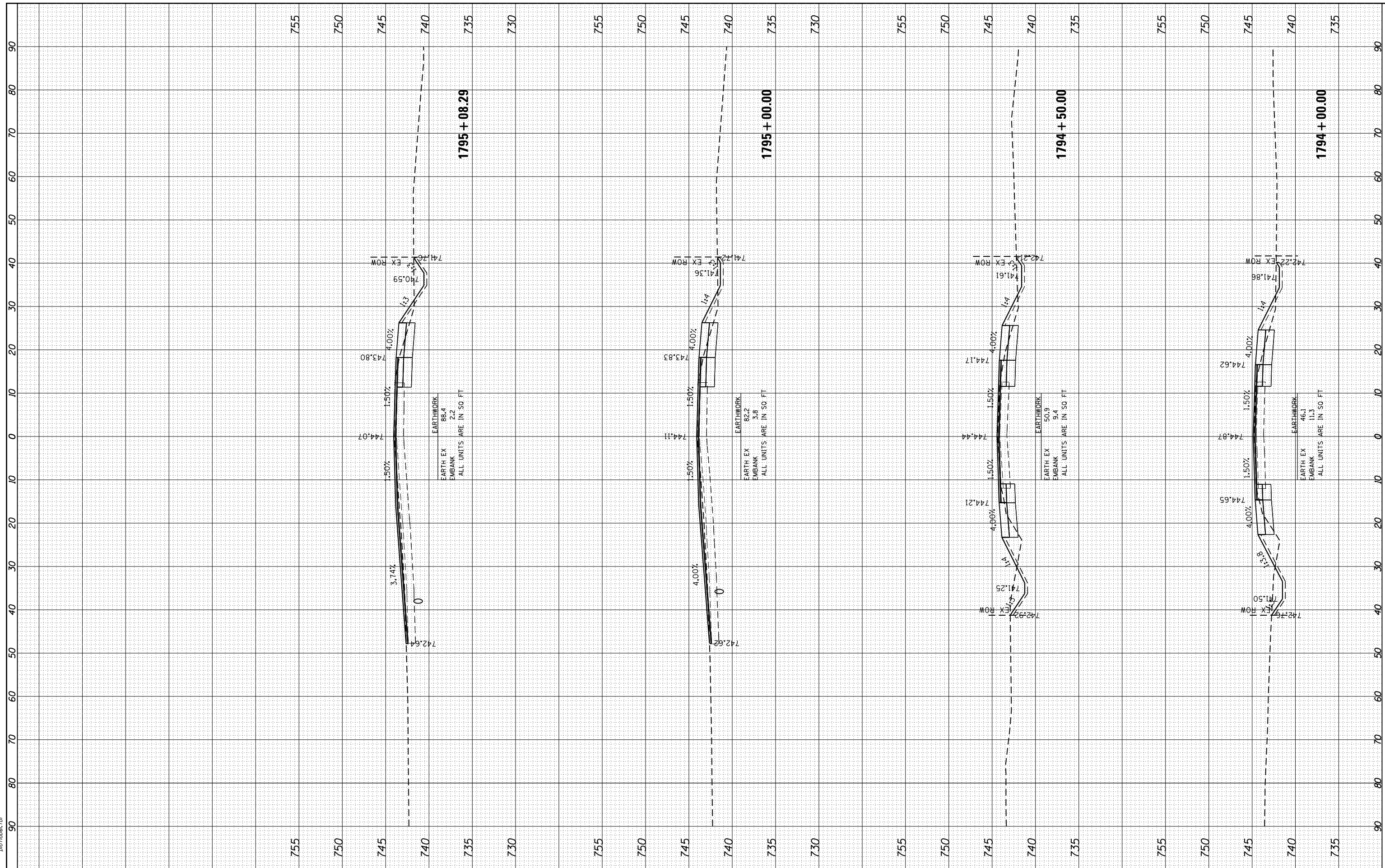
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2711	32-N-6(15)	LAKE	105	80
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

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

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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ILLINOIS ROUTE 131**

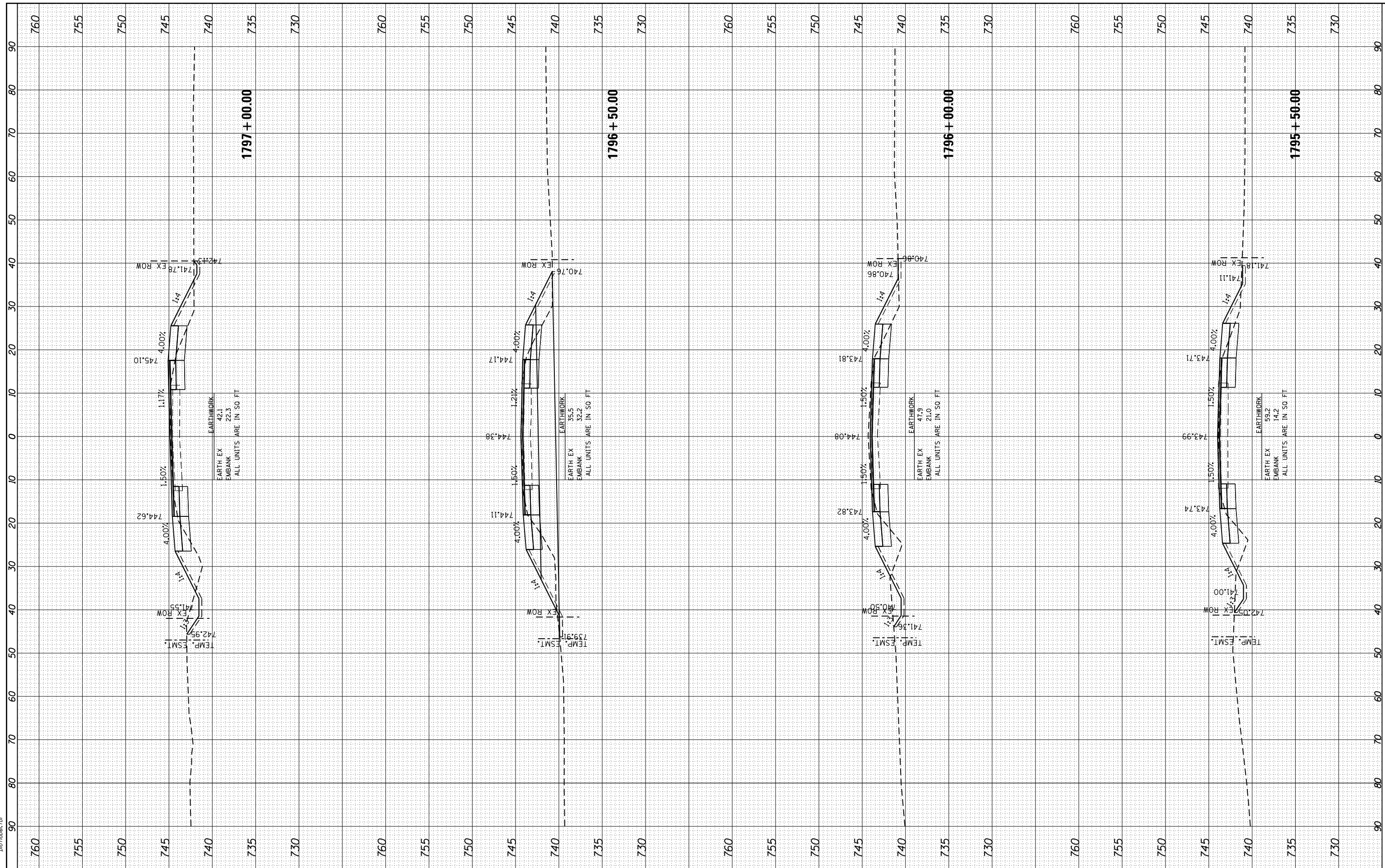
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	81
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	TEMPLATE	
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NOTE BOOK NO.	PLOTTED	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ILLINOIS ROUTE 131**

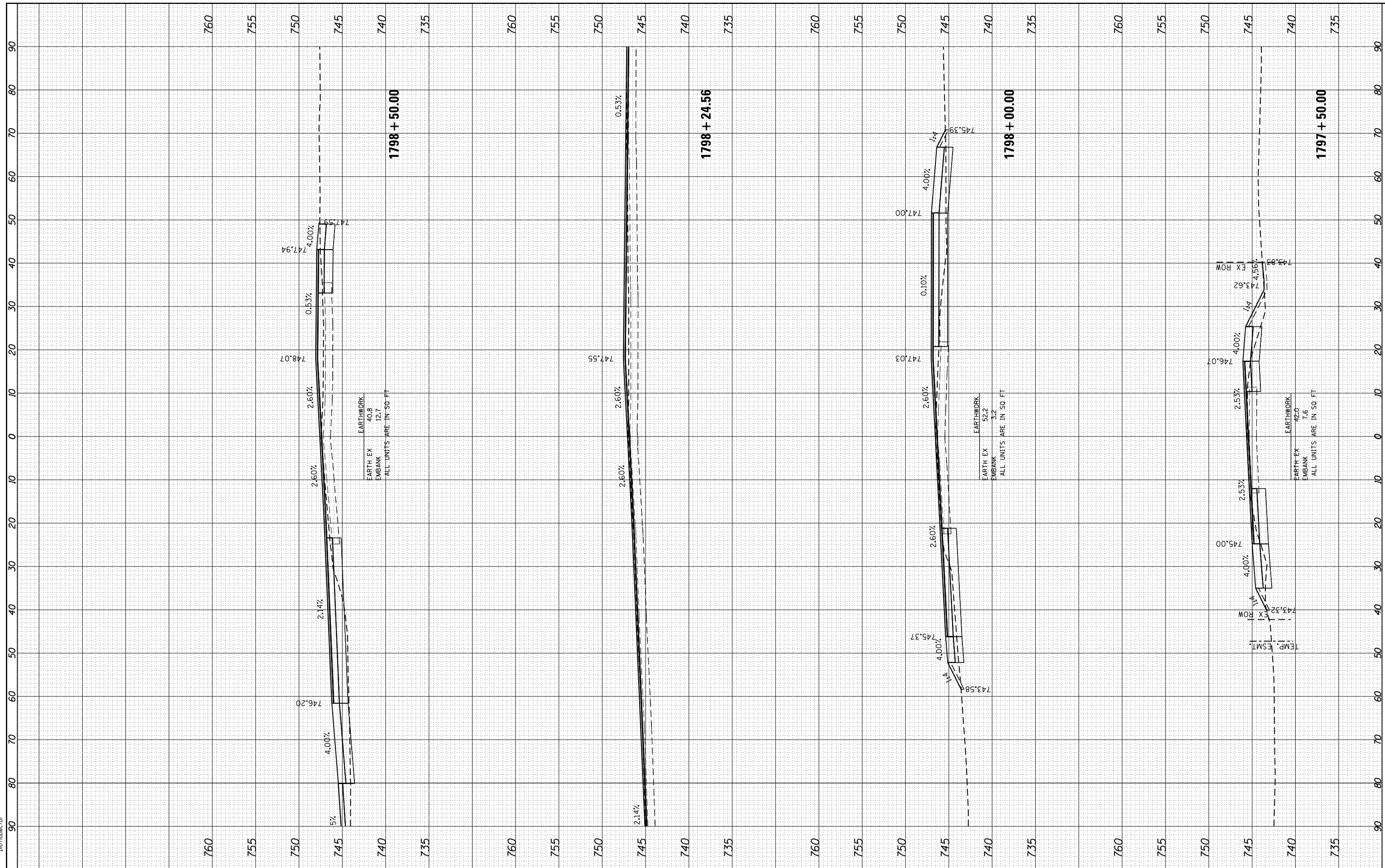
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2711	32-N-6(15)	LAKE	105	82
CONTRACT NO.		62B75		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

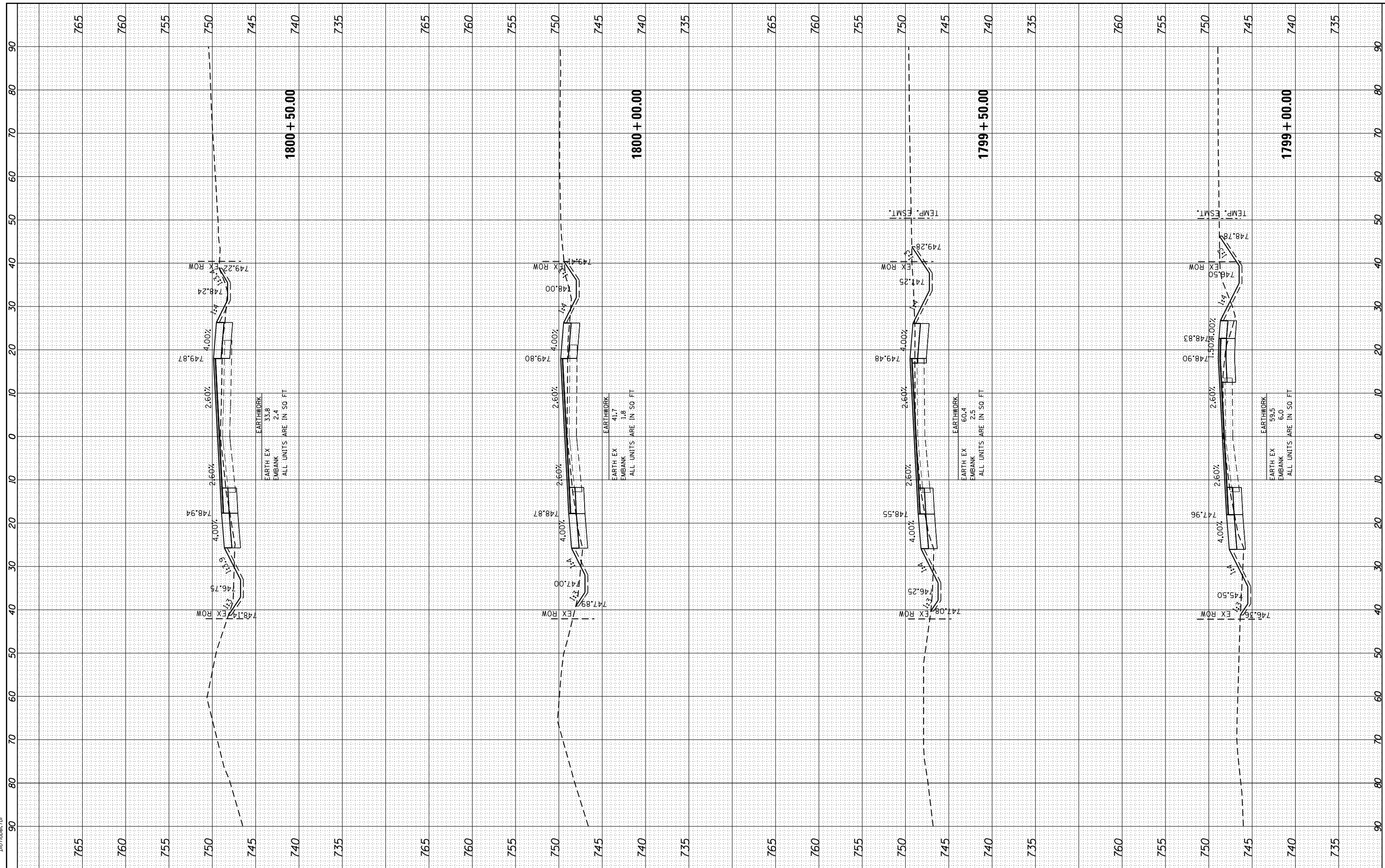
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ILLINOIS ROUTE 131		
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F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 83
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 62B75		

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		
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HRG PROJECT NO.: 8650046.04
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 EARTH EX 33.8
 EMBANK 2.4
 ALL UNITS ARE IN SO FT

EARTHWORK
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 EMBANK 1.8
 ALL UNITS ARE IN SO FT

EARTHWORK
 EARTH EX 60.4
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EARTHWORK
 EARTH EX 59.5
 EMBANK 6.0
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ILLINOIS ROUTE 131**

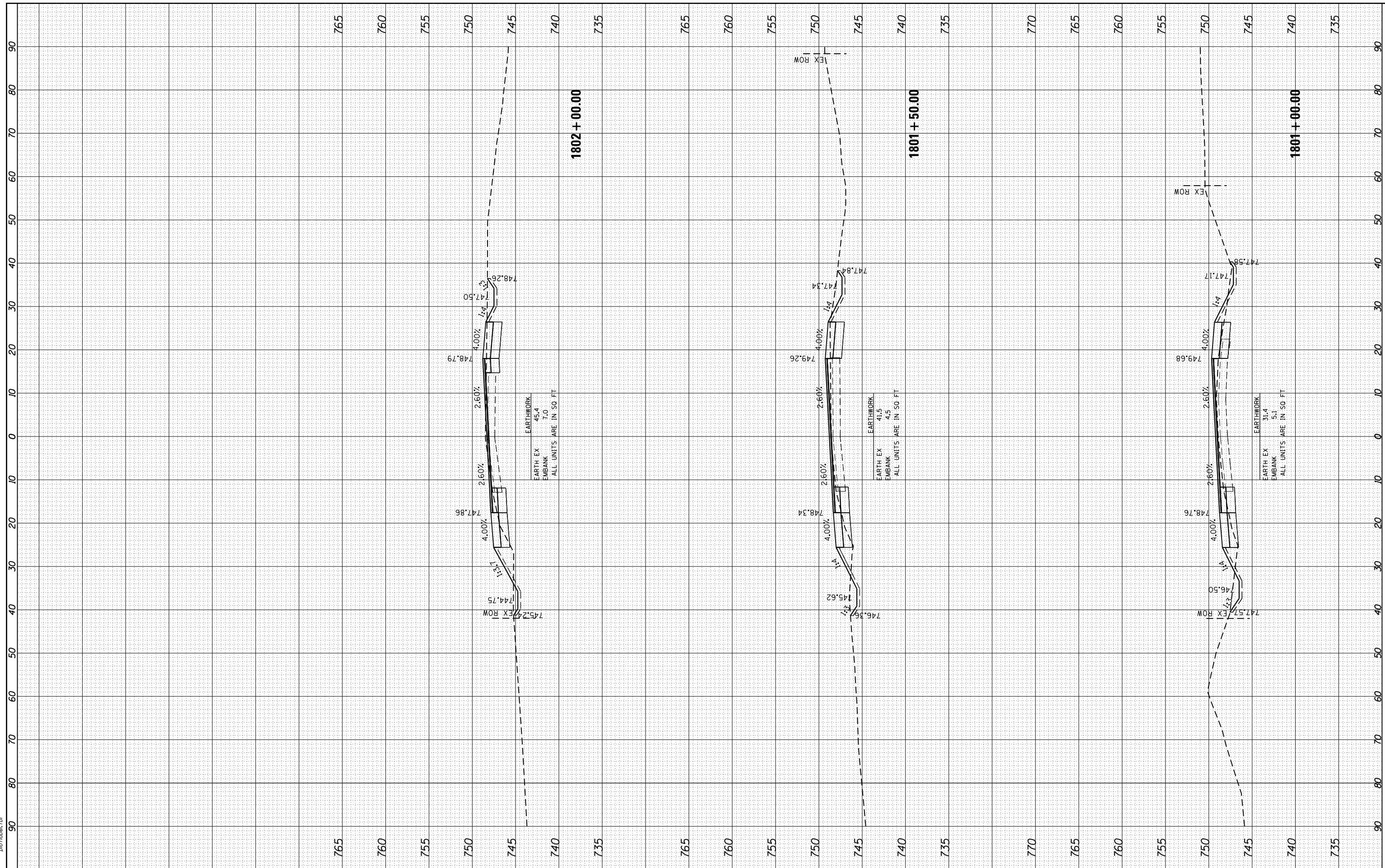
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	84
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED	
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ORIGINAL SURVEY NO.	SURVEYED PLOTTED	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

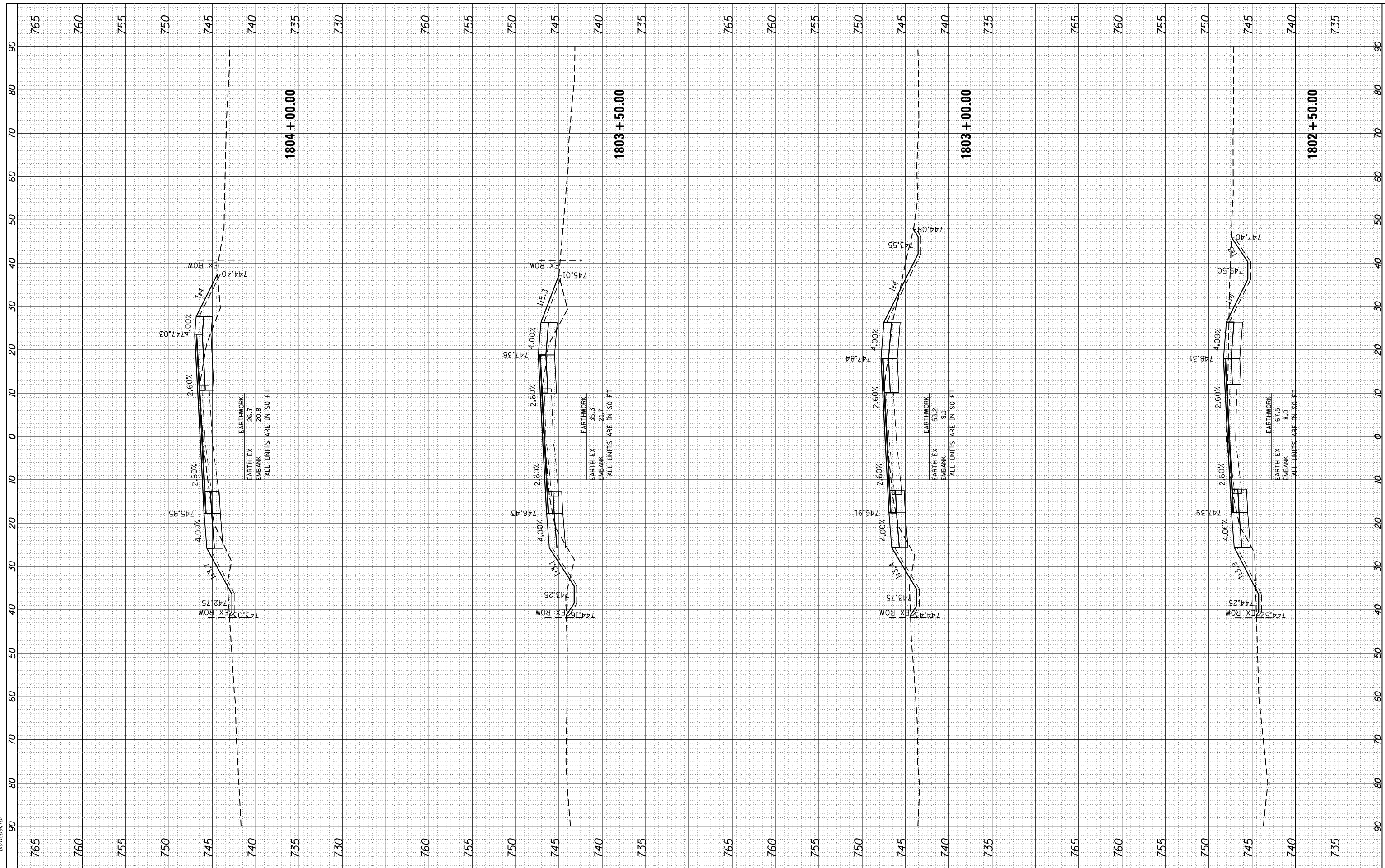
CROSS SECTIONS		
ILLINOIS ROUTE 131		
SCALE: 10H:10V	SHEET NO. 6 OF 25 SHEETS	STA. 1801+00.00 TO STA. 1802+00.00

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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75	

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

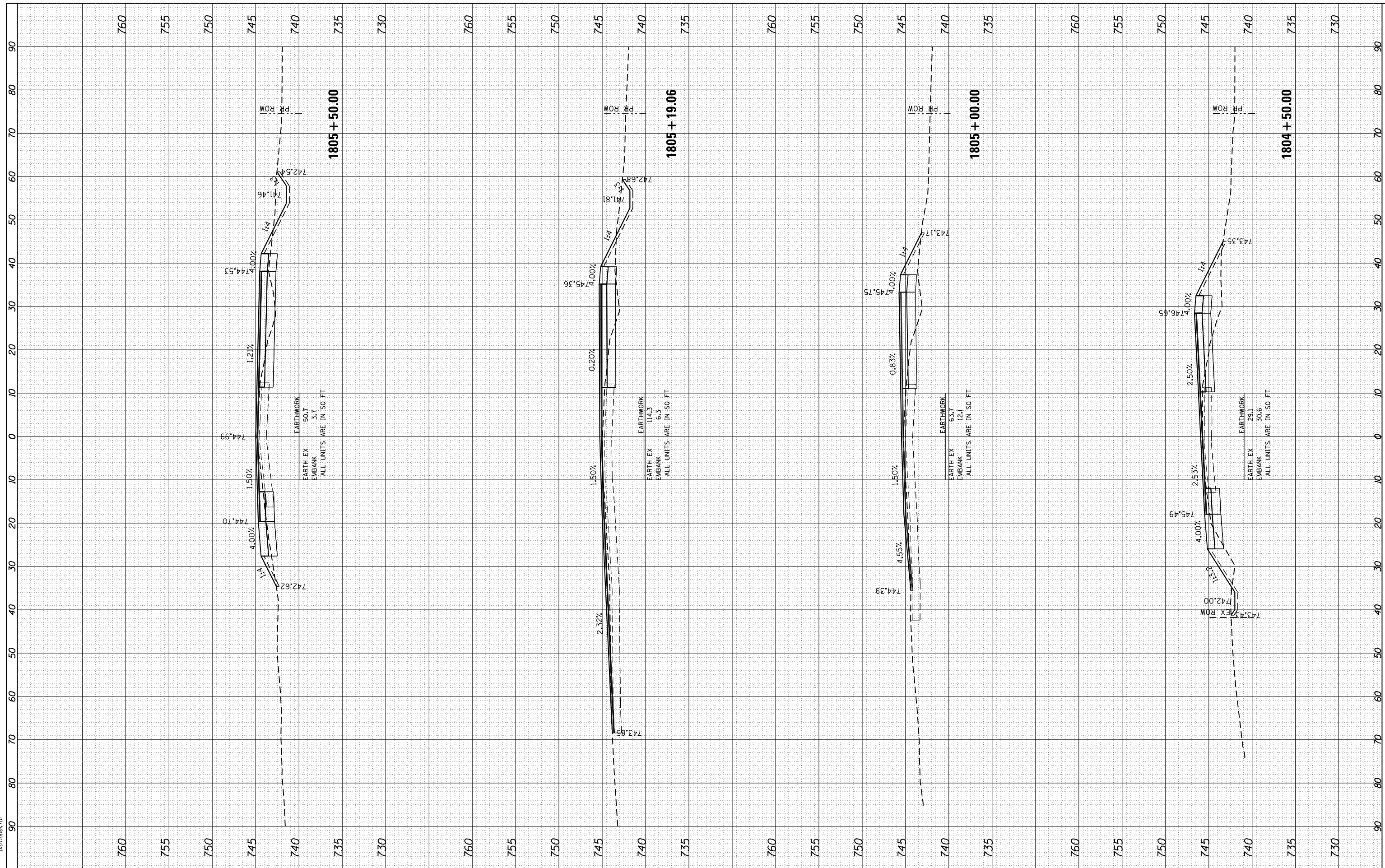
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F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 86
CONTRACT NO. 62B75		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

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

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

HRG PROJECT NO.: 8650046.04
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

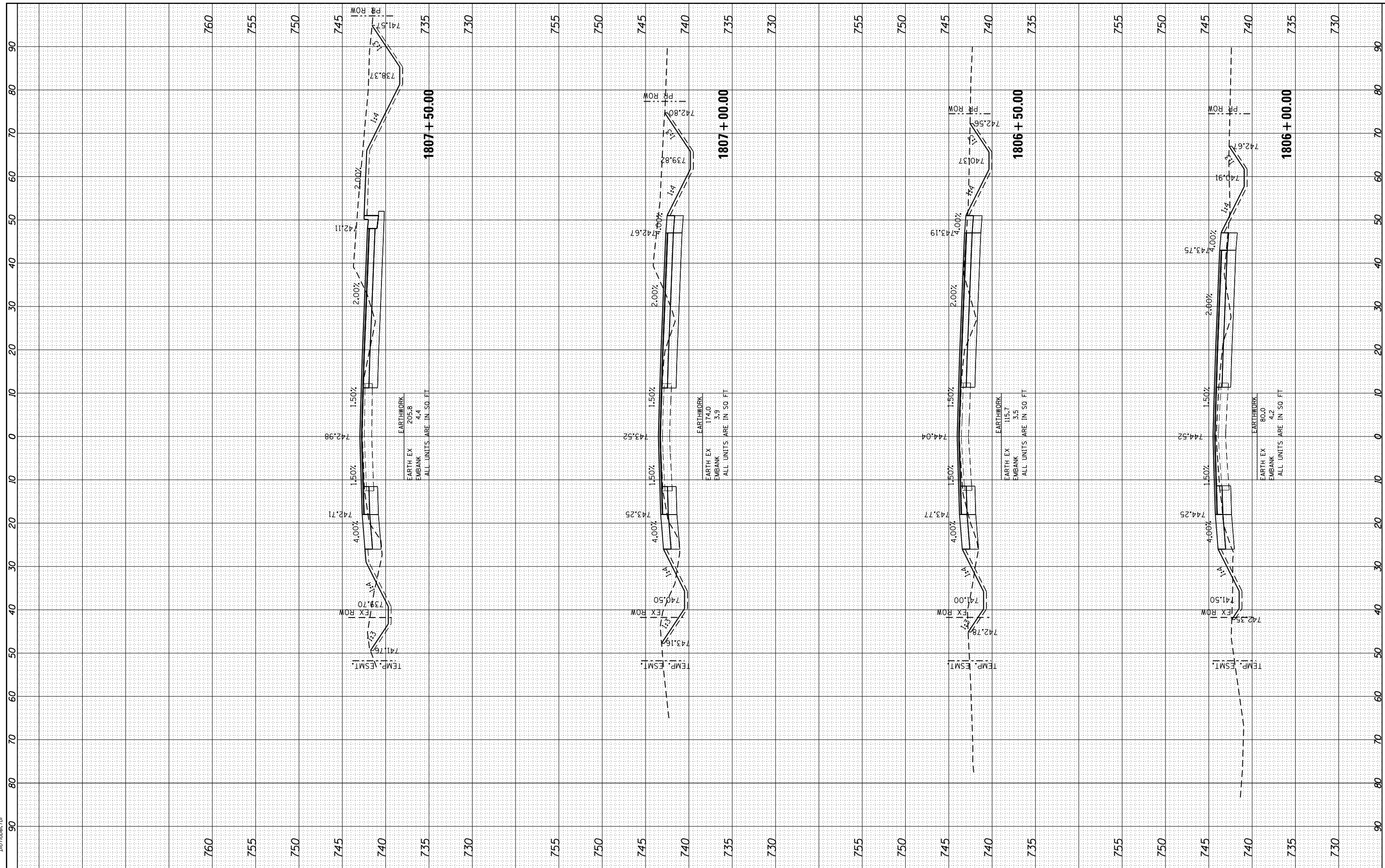
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ILLINOIS ROUTE 131		
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F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 87
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		62B75		

FINAL SURVEY NO.	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS
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ORIGINAL SURVEY NO.	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS
	CHECKED

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

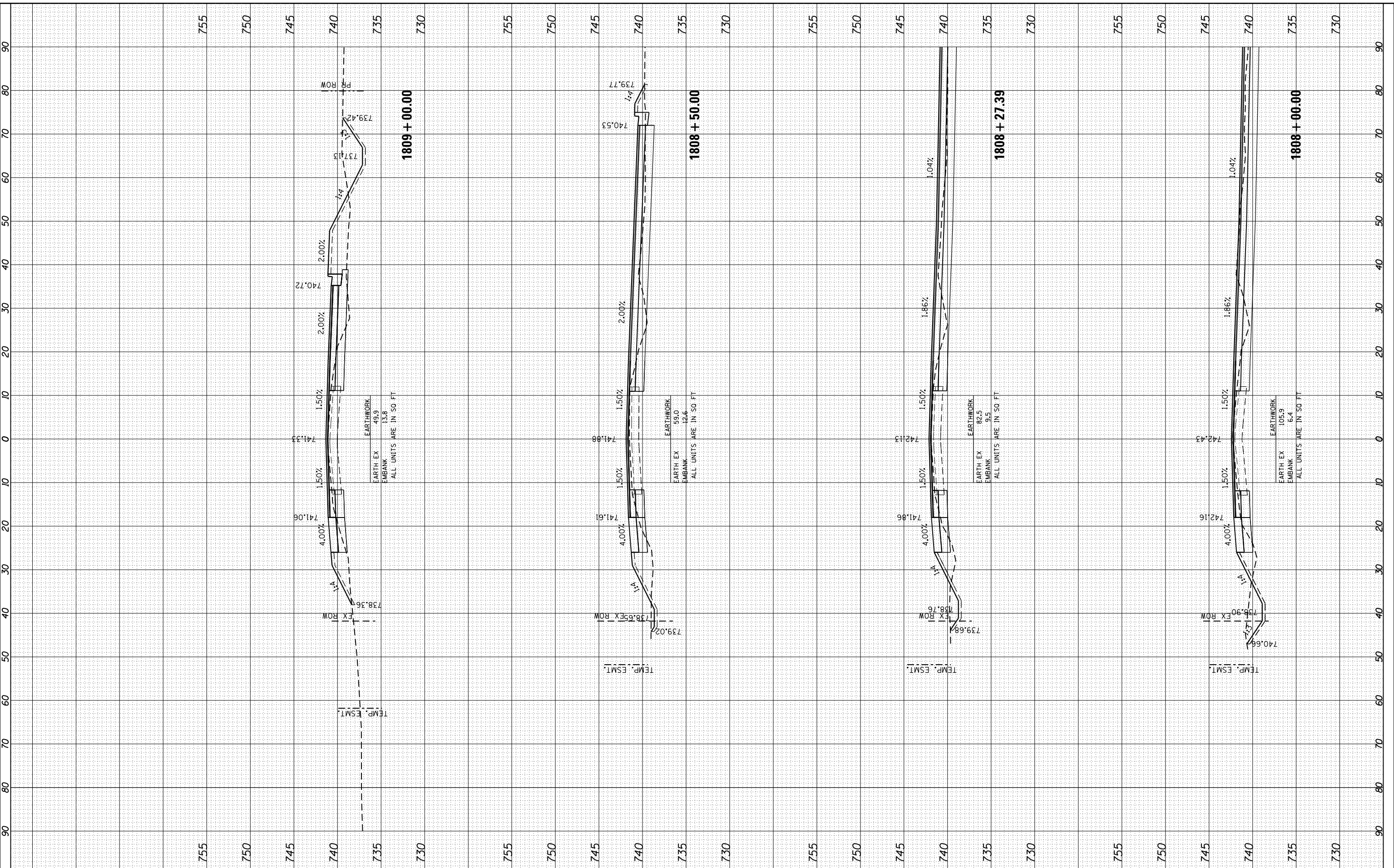
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F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 88
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75	

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

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

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REVISIONS	NO.	DATE	DESCRIPTION

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: 10H:10V			SHEET NO. 10 OF 25 SHEETS			STA. 1808+00.00 TO STA. 1809+00.00		
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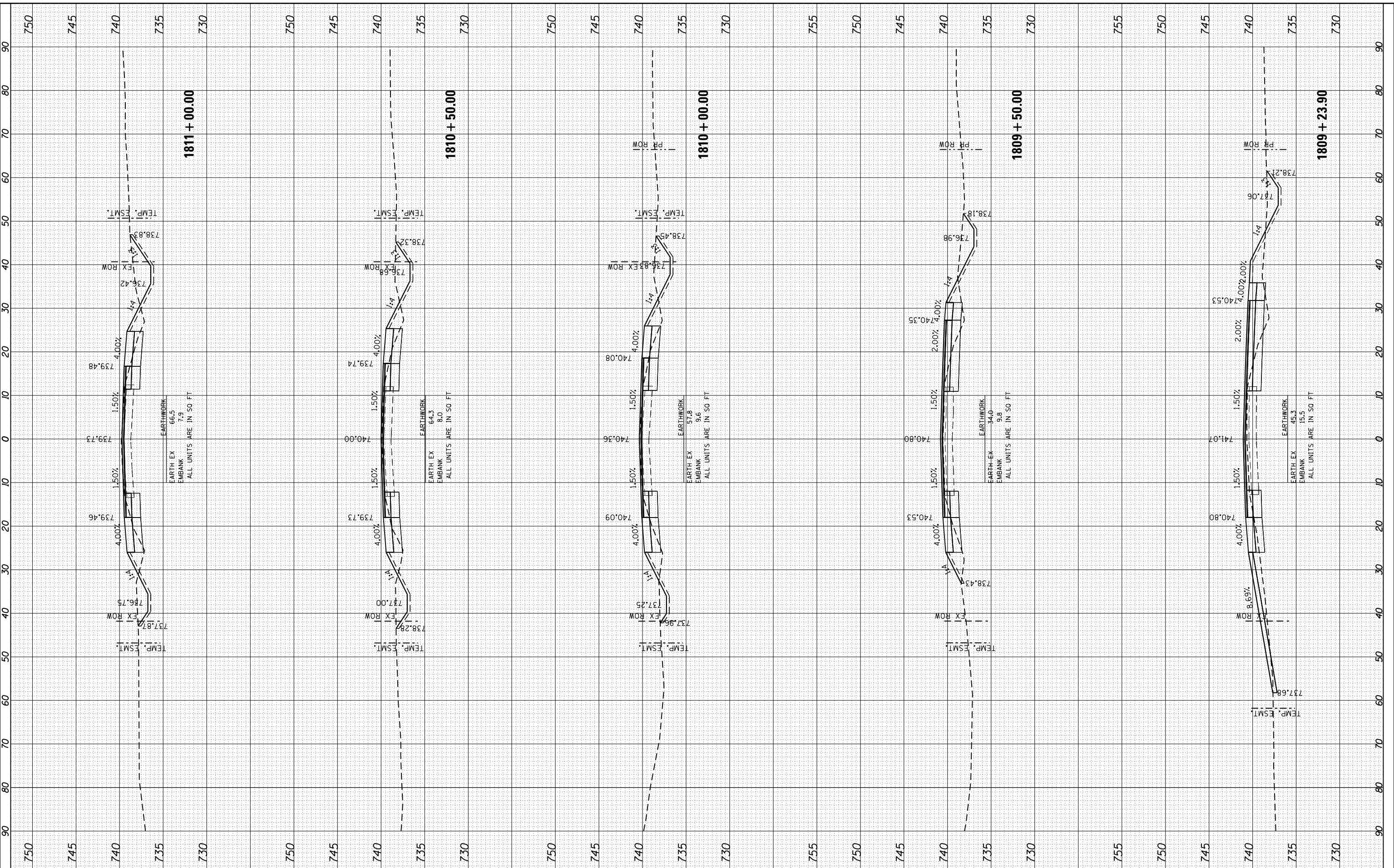
**CROSS SECTIONS
 ILLINOIS ROUTE 131**

F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 89
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75	

FINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
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ORIGINAL SURVEY NO.	BY	DATE
SURVEYED		
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TEMPLATE		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ILLINOIS ROUTE 131**

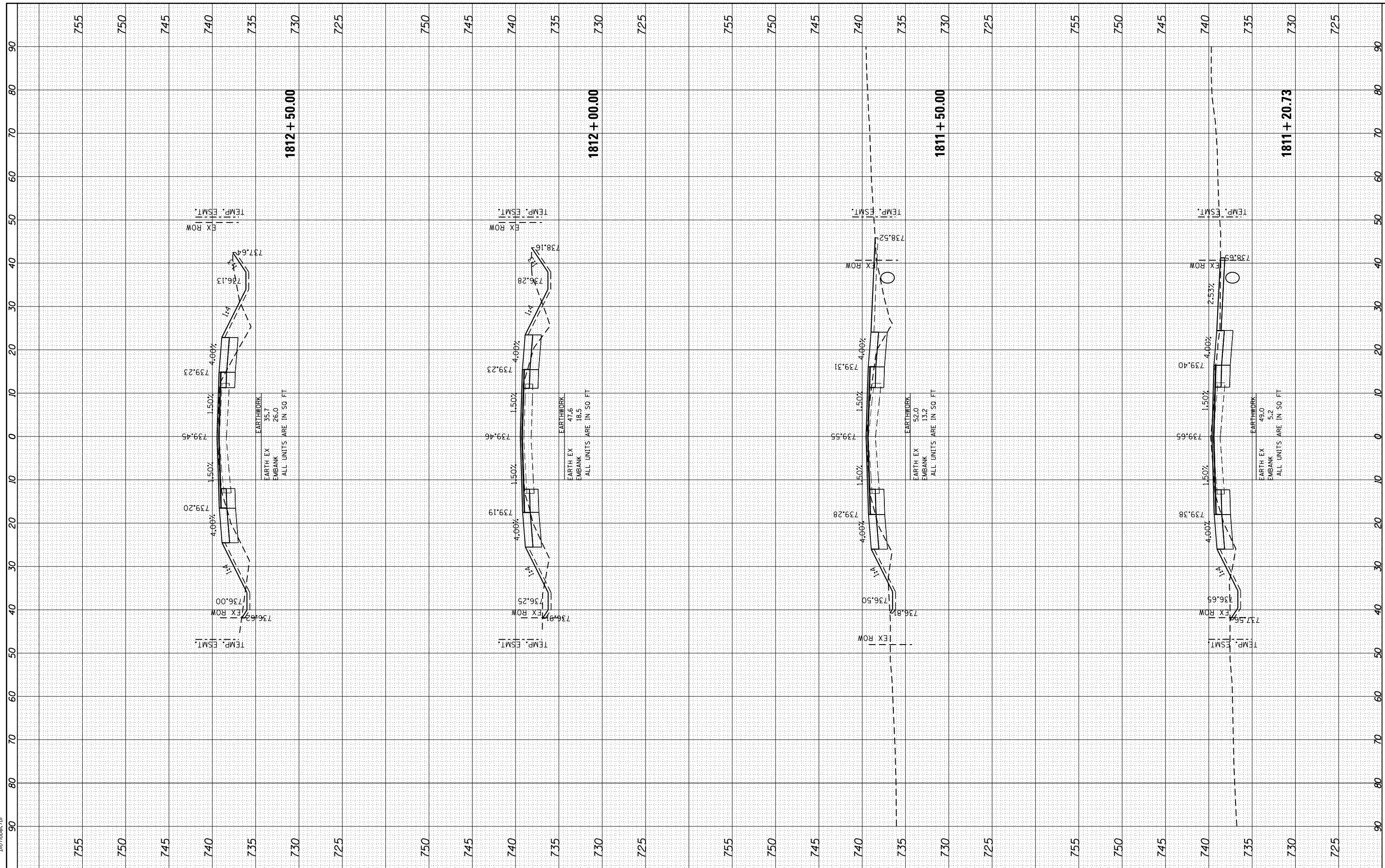
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	90
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		
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STATE OF ILLINOIS
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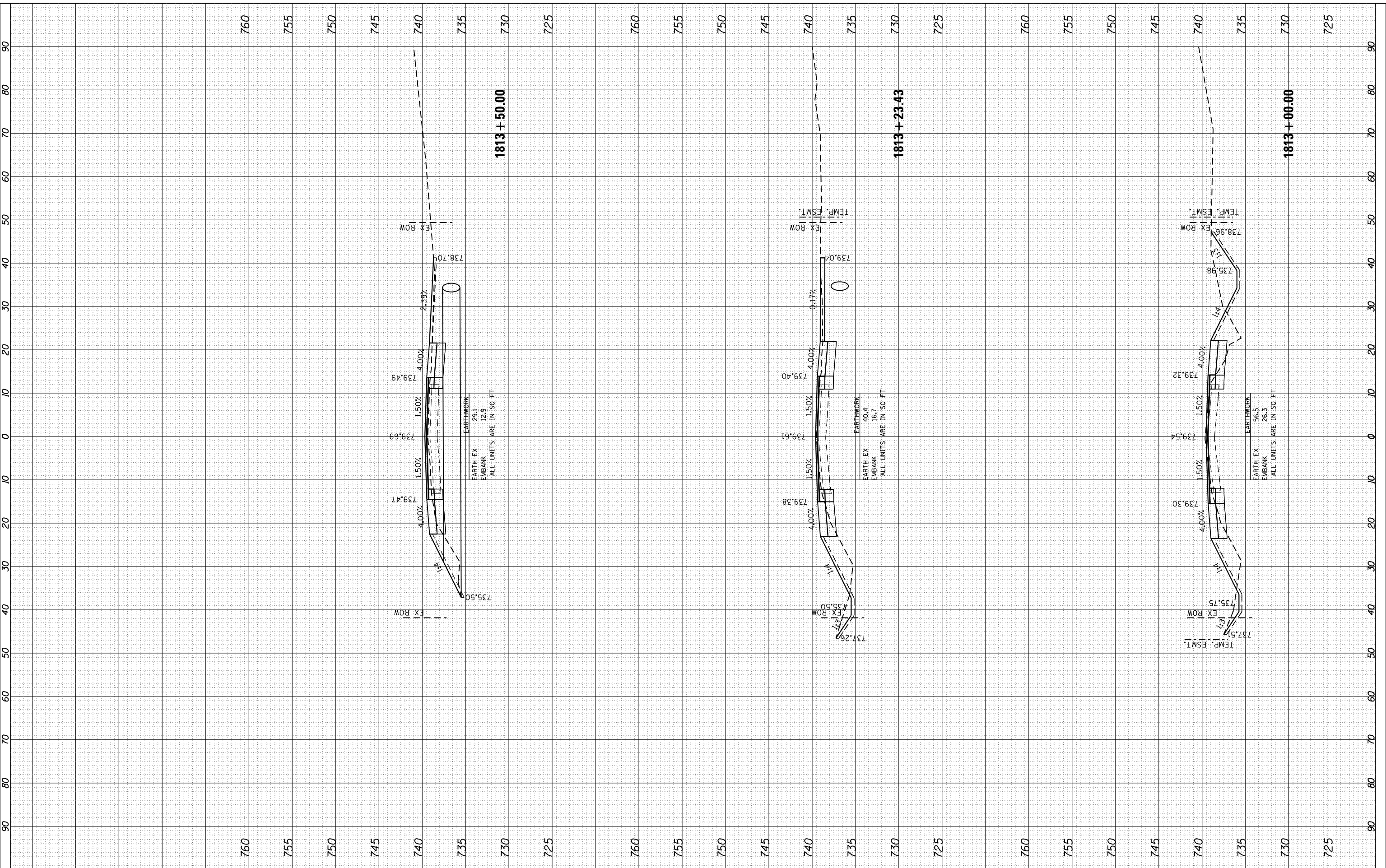
CROSS SECTIONS
ILLINOIS ROUTE 131
 SCALE: 10H:10V SHEET NO. 12 OF 25 SHEETS STA. 1811+20.73 TO STA. 1812+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	91
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75	

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

HRG PROJECT NO.: 8650046.04
 FILE NAME: 62B75-ep1+accu131.mxd
 PLOT DRIVER: ilpdf_wrt649
 PEN TABLE: p01tbl.tbl



DESIGNED - BH	REVISED -
DRAWN - DMS	REVISED -
CHECKED -	REVISED -
DATE - 3/21/19	REVISED -

USER NAME = bhar-ma	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
	DATE - 3/21/19	REVISED -

DESIGNED - BH	REVISED -
DRAWN - DMS	REVISED -
CHECKED -	REVISED -
DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
ILLINOIS ROUTE 131**

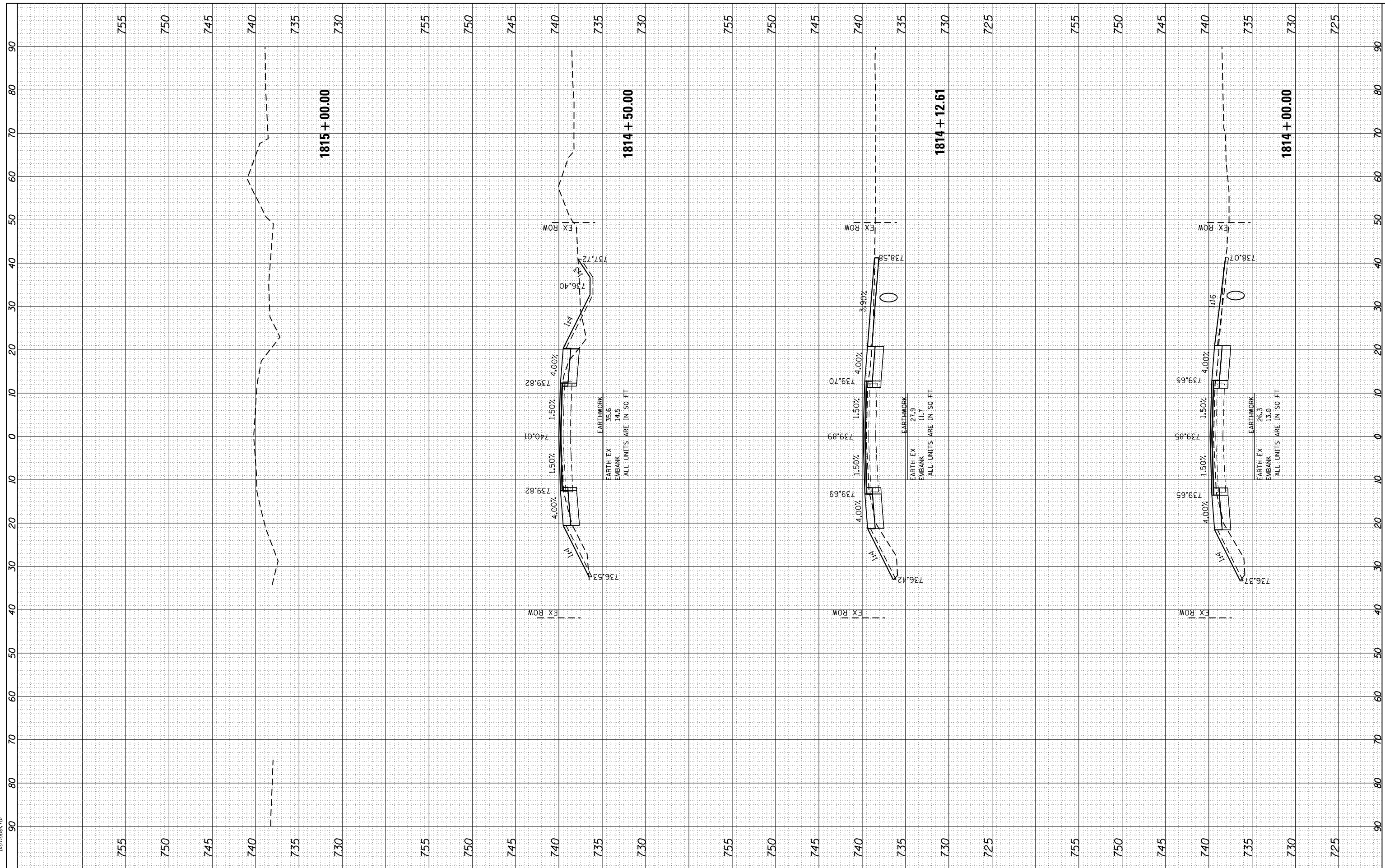
SCALE: 10H:10V SHEET NO. 13 OF 25 SHEETS STA. 1813+00.00 TO STA. 1813+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	92
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8650046.04
 FILE NAME: C:\PROJECTS\2711\2711-01\2711-01.dwg
 PLOT DRIVER: llpdfwrt64
 PEN TABLE: p10tbl.tbl



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USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ILLINOIS ROUTE 131**

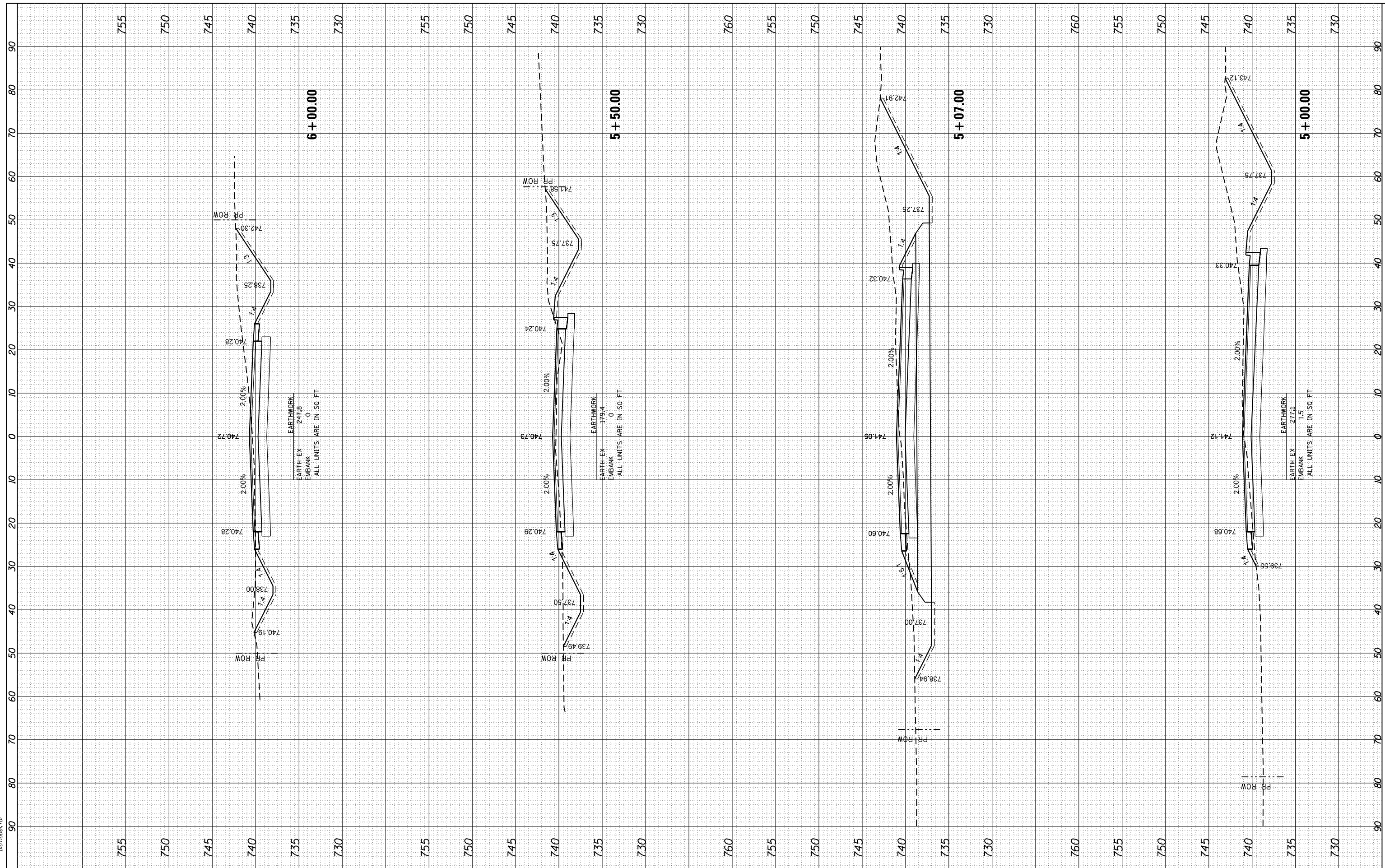
SCALE: 10H:10V SHEET NO. 14 OF 25 SHEETS STA. 1814+00.00 TO STA. 1815+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	93
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75	

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

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

HRG PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc/kenosha_rd.dgn
 PLOT DRIVER: ilpdf_wrtfctfy
 PEN TABLE: plottbl.tbl



USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10Hx10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

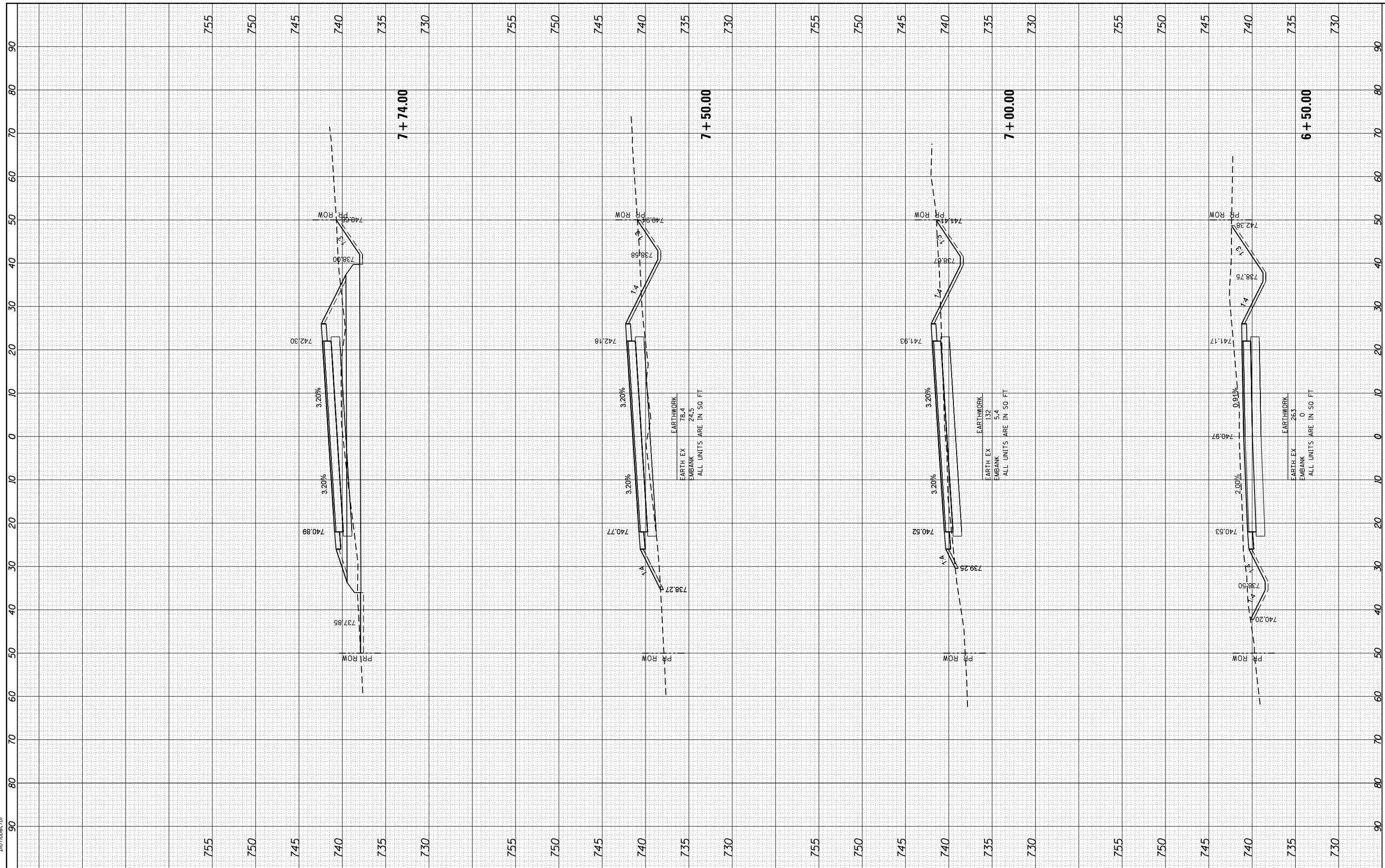
CROSS SECTIONS KENOSHA ROAD			
SCALE: 10Hx10V	SHEET NO. 15 OF 25 SHEETS	STA. 5+00.00	TO STA. 6+00.00

F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 94
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75	

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

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

HRG PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc/knostrn_r.dgn
 PLOT DRIVER: ilpdf_wrtfct9
 PEN TABLE: p01tbl.tbl



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USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

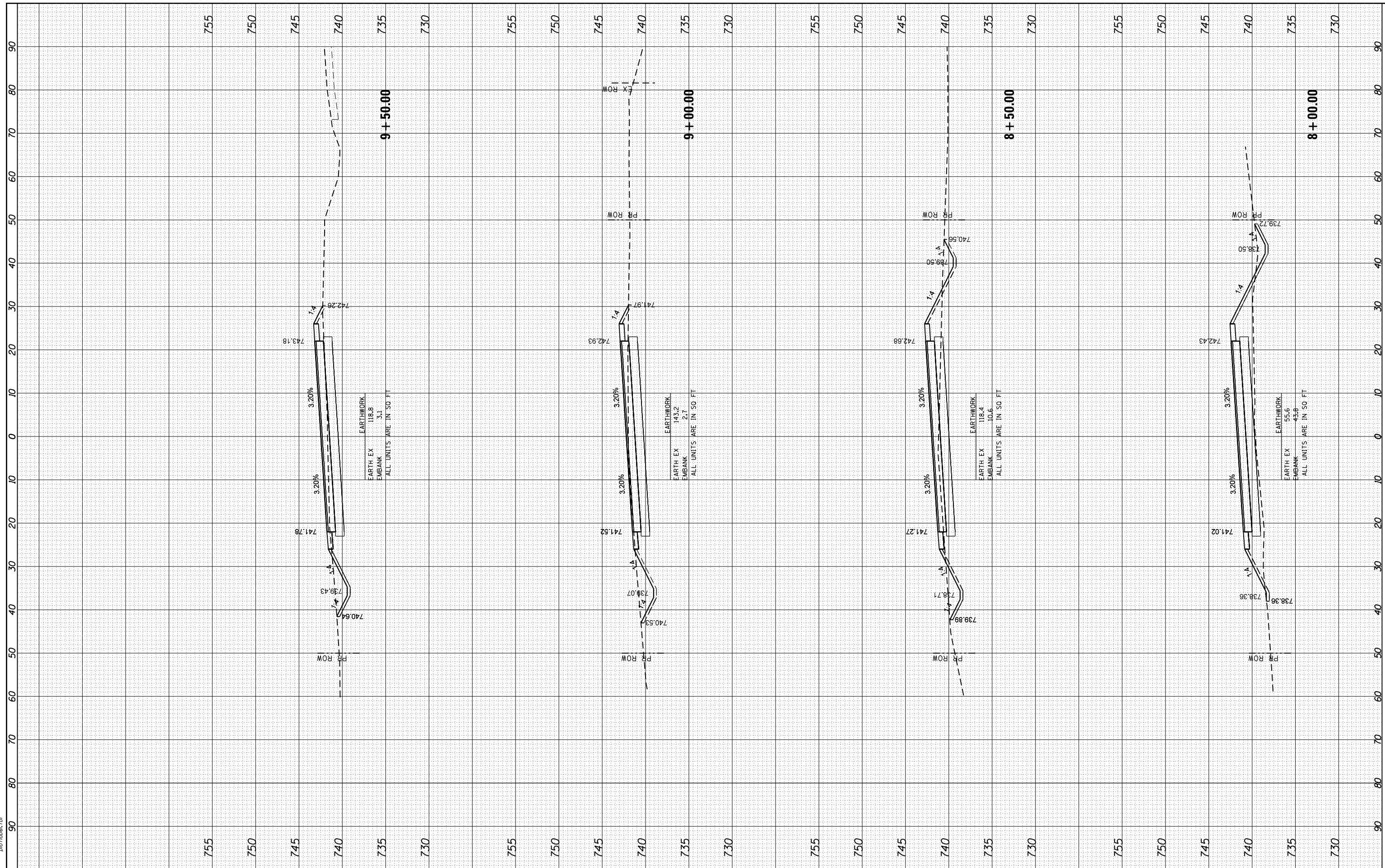
CROSS SECTIONS KENOSHA ROAD	
SCALE: 10H:10V	SHEET NO. 16 OF 25 SHEETS
STA. 6+50.00	TO STA. 7+74.00

F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 95
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 62B75	
FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc/knostrn_r.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p01tbl.tbl



EARTH EX 118.8
 EMBANK 3.1
 EARTHWORK 118.8
 ALL UNITS ARE IN SO FT

EARTH EX 143.2
 EMBANK 2.7
 EARTHWORK 143.2
 ALL UNITS ARE IN SO FT

EARTH EX 118.4
 EMBANK 10.6
 EARTHWORK 118.4
 ALL UNITS ARE IN SO FT

EARTH EX 55.6
 EMBANK 43.8
 EARTHWORK 55.6
 ALL UNITS ARE IN SO FT



USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 KENOSHA ROAD**

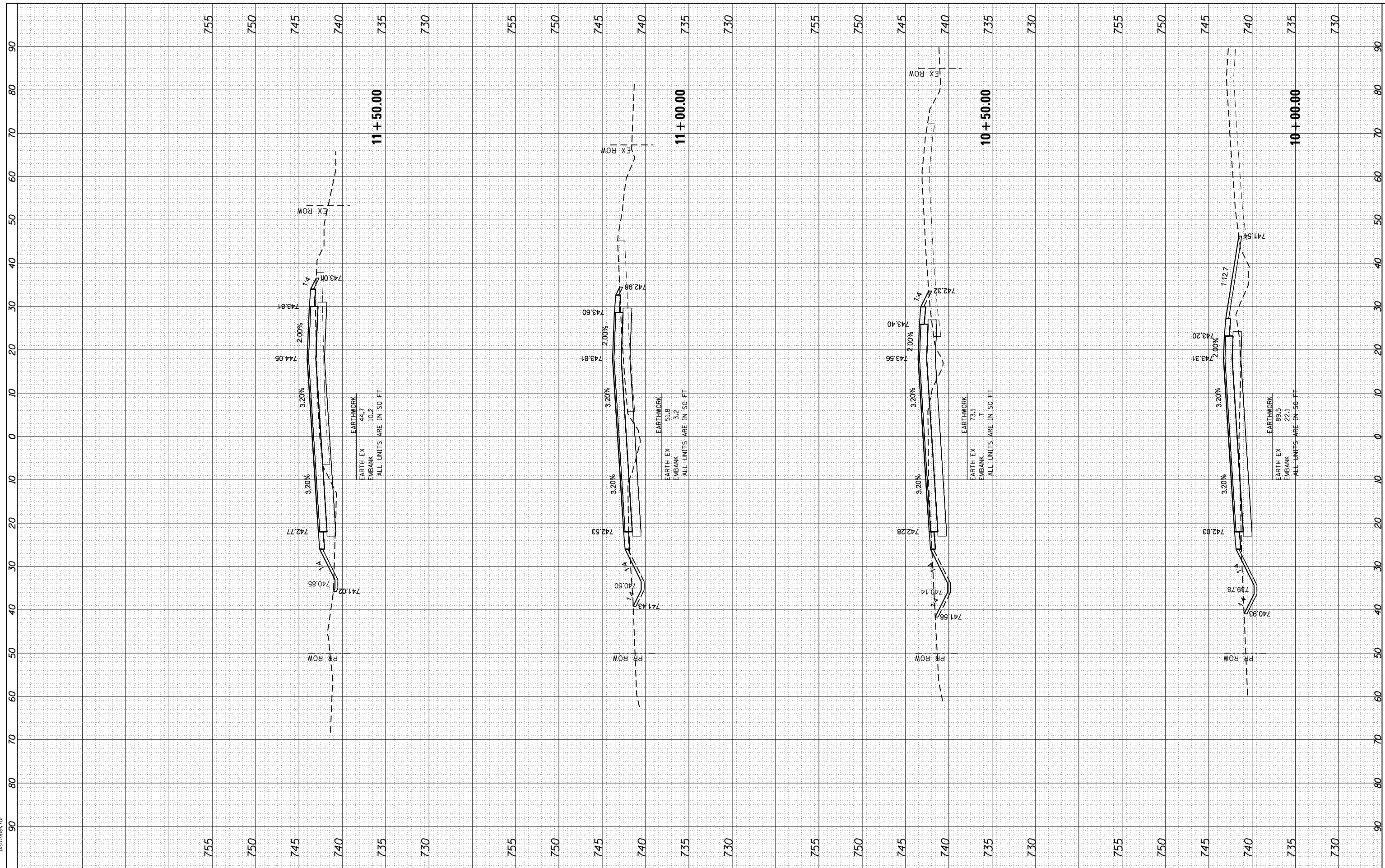
SCALE: 10H:10V SHEET NO. 17 OF 25 SHEETS STA. 8+00.00 TO STA. 9+50.00

F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 96
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75	

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

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

HRG PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc/kenosha_r.dgn
 PLOT DRIVER: ilpdf_wrt/cf9
 PEN TABLE: plottbl.tbl



USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

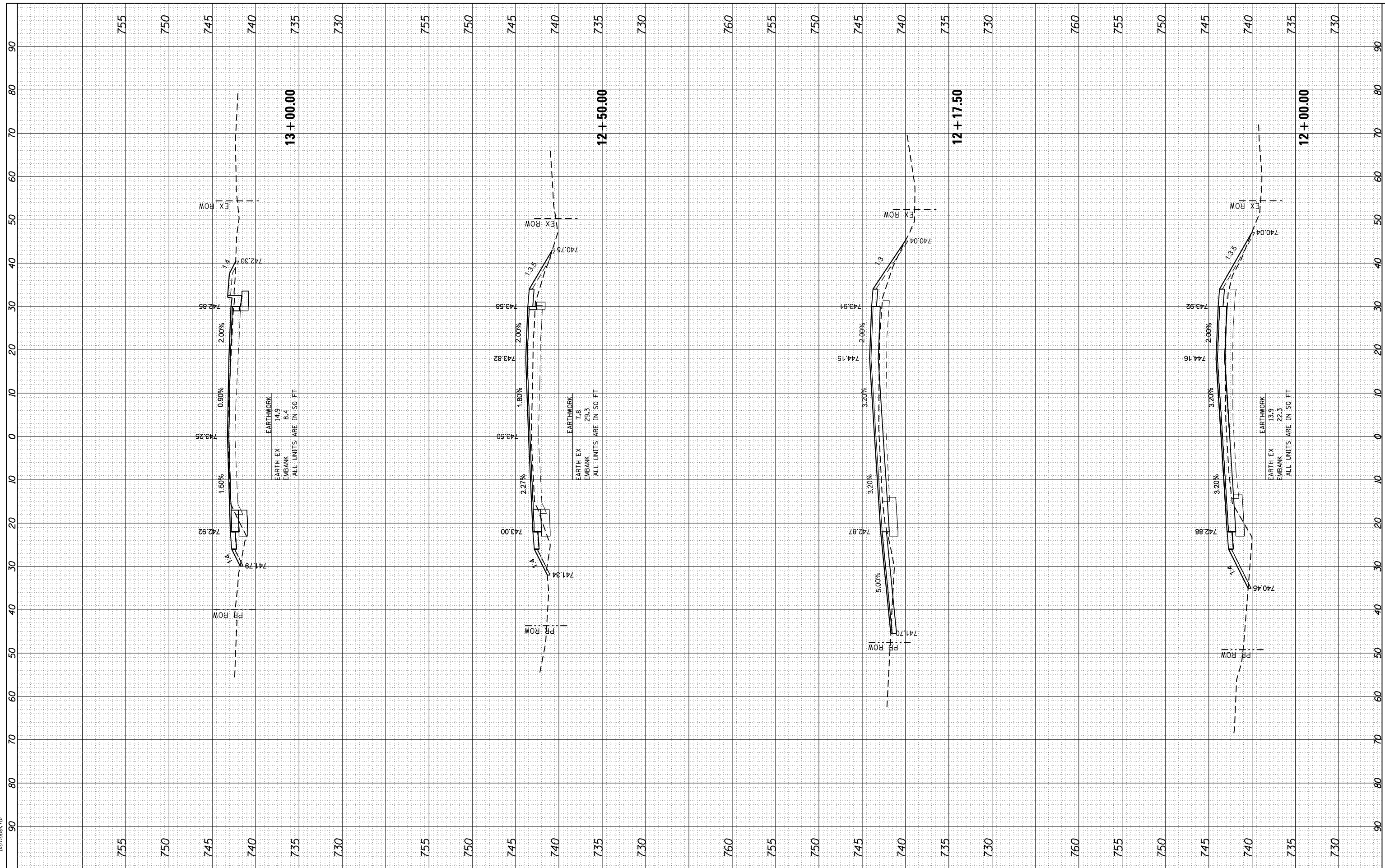
CROSS SECTIONS KENOSHA ROAD			
SCALE: 10H:10V	SHEET NO. 18 OF 25 SHEETS	STA. 10+00.00	TO STA. 11+50.00

F.A.U. RTE. 2711	SECTION NO. 32-N-6(15)	COUNTY LAKE	TOTAL SHEETS 105	SHEET NO. 97
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 62B75	

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

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

HRG PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc/kenosha_rd.dgn
 PLOT DRIVER: ll.pdf_wdprtcf9
 PEN TABLE: p01tbl.tbl



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USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 KENOSHA ROAD**

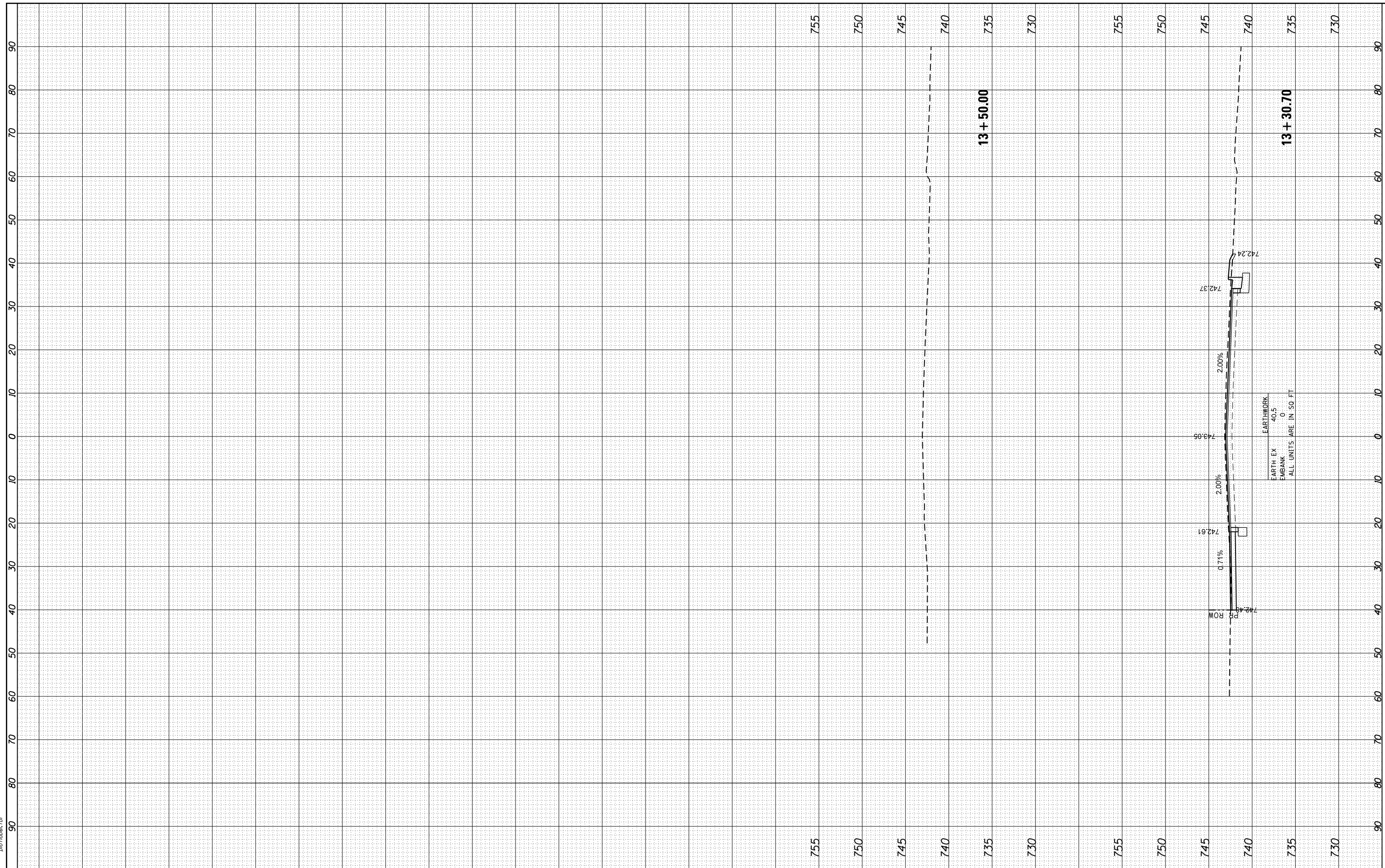
SCALE: 10H:10V SHEET NO. 19 OF 25 SHEETS STA. 12+00.00 TO STA. 13+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	98
CONTRACT NO.			62B75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc/kenosha_r.dgn
 PLOT DRIVER: ilpdf_wrt/cfg
 PEN TABLE: plottbl.tbl



USER NAME = bhar-ma	DESIGNED - BH	REVISED -
PLOT SCALE = 10H:10V	DRAWN - DMS	REVISED -
PLOT DATE = 3/21/2019	CHECKED -	REVISED -
	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
KENOSHA ROAD**

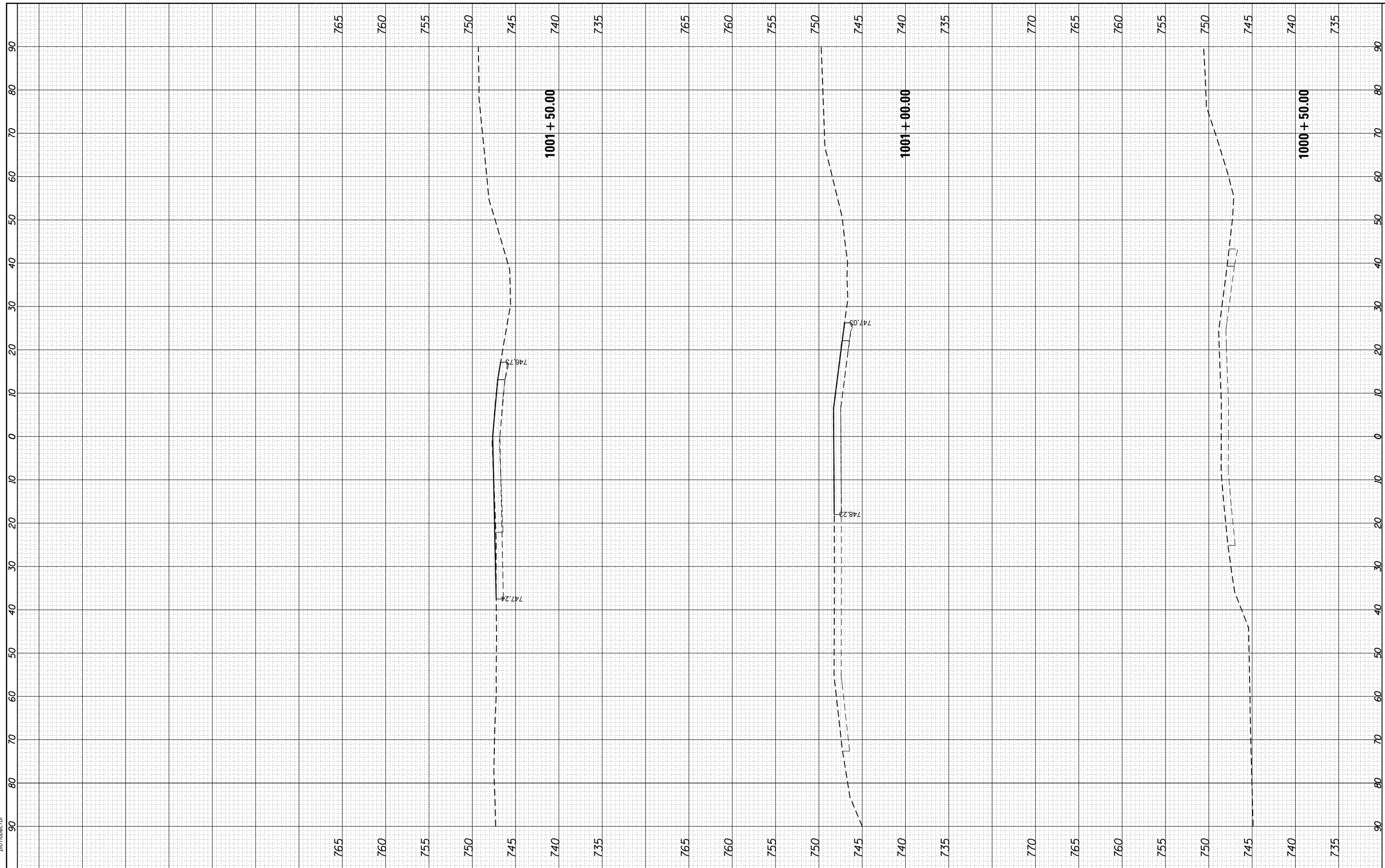
SCALE: 10H:10V SHEET NO. 19 OF 25 SHEETS STA. 13+30.70 TO STA. 13+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	99
FED. ROAD DIST. NO.			CONTRACT NO. 62B75	
ILLINOIS FED. AID PROJECT				

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

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

HRC PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc-Ek-kenosha
 PLOT DRIVER: ilpdf_wgprtcfg
 PEN TABLE: p01tbltbl.tbl



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USER NAME = bhartha	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

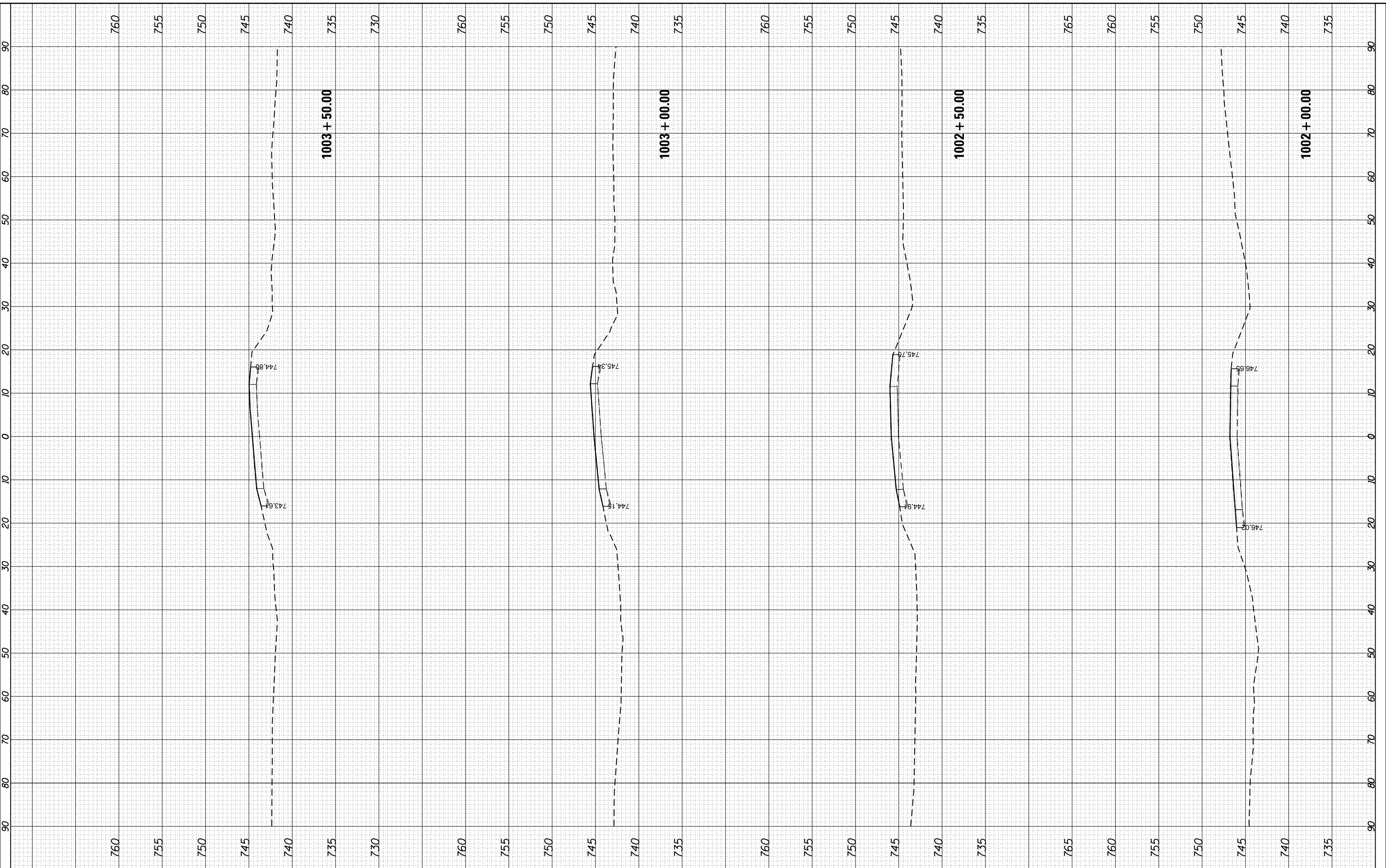
CROSS SECTIONS		
EXISTING KENOSHA ROAD		
SCALE: 10H:10V	SHEET NO. 20 OF 25 SHEETS	STA. 1000+50.00 TO STA. 1001+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	100
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO.	62B75

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

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

HRC PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc-Ek-kenosha
 PLOT DRIVER: ilpdf_wrtfctfy
 PEN TABLE: p01tbltbl.tbl



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USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

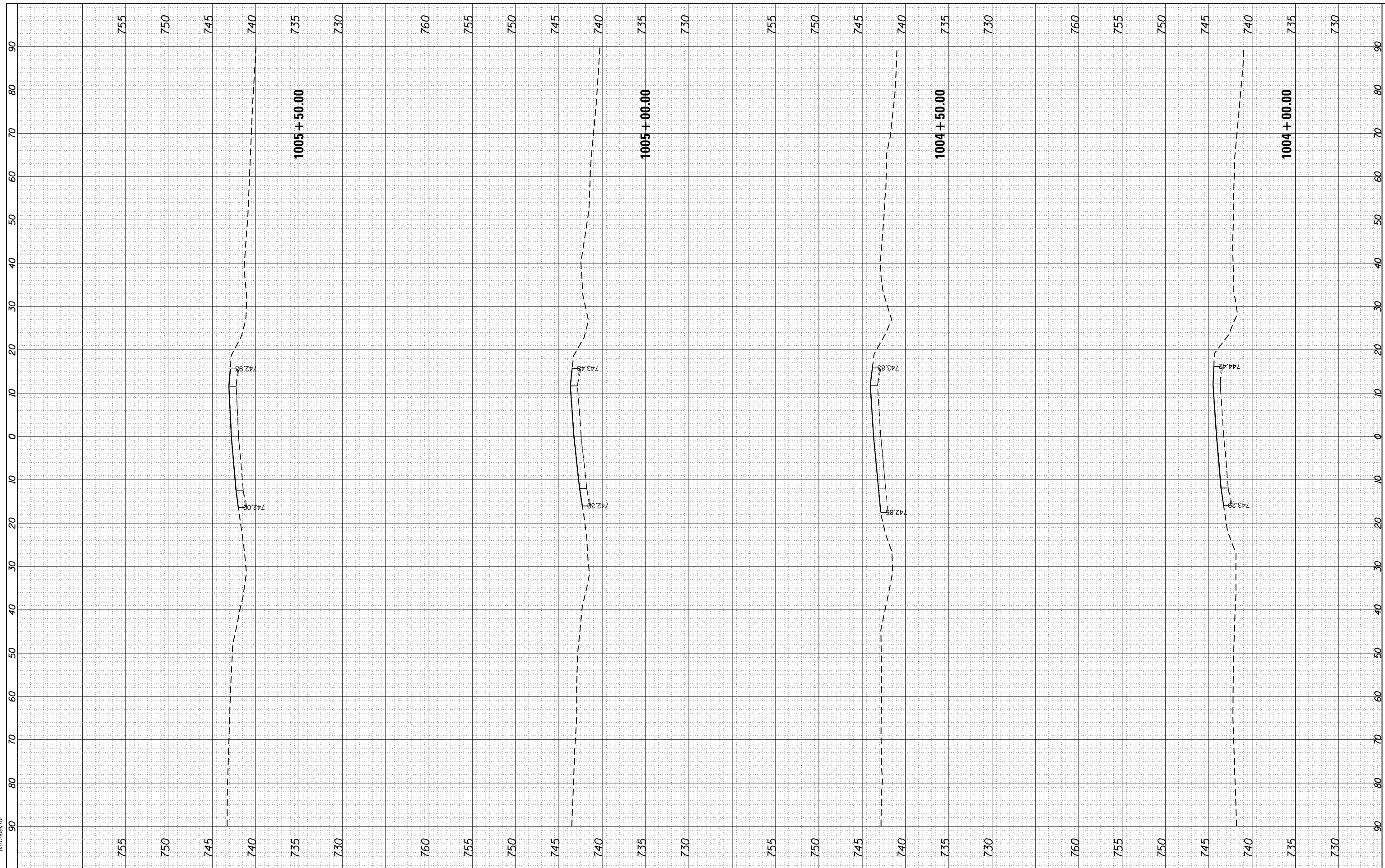
CROSS SECTIONS EXISTING KENOSHA ROAD		
SCALE: 10H:10V	SHEET NO. 21 OF 25 SHEETS	STA. 1002+00.00 TO STA. 1003+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	101
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

HRC PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc-Ek-Kenosha
 PLOT DRIVER: ilpdf_wdrtcf9
 PEN TABLE: p01tbltbl.tbl



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USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

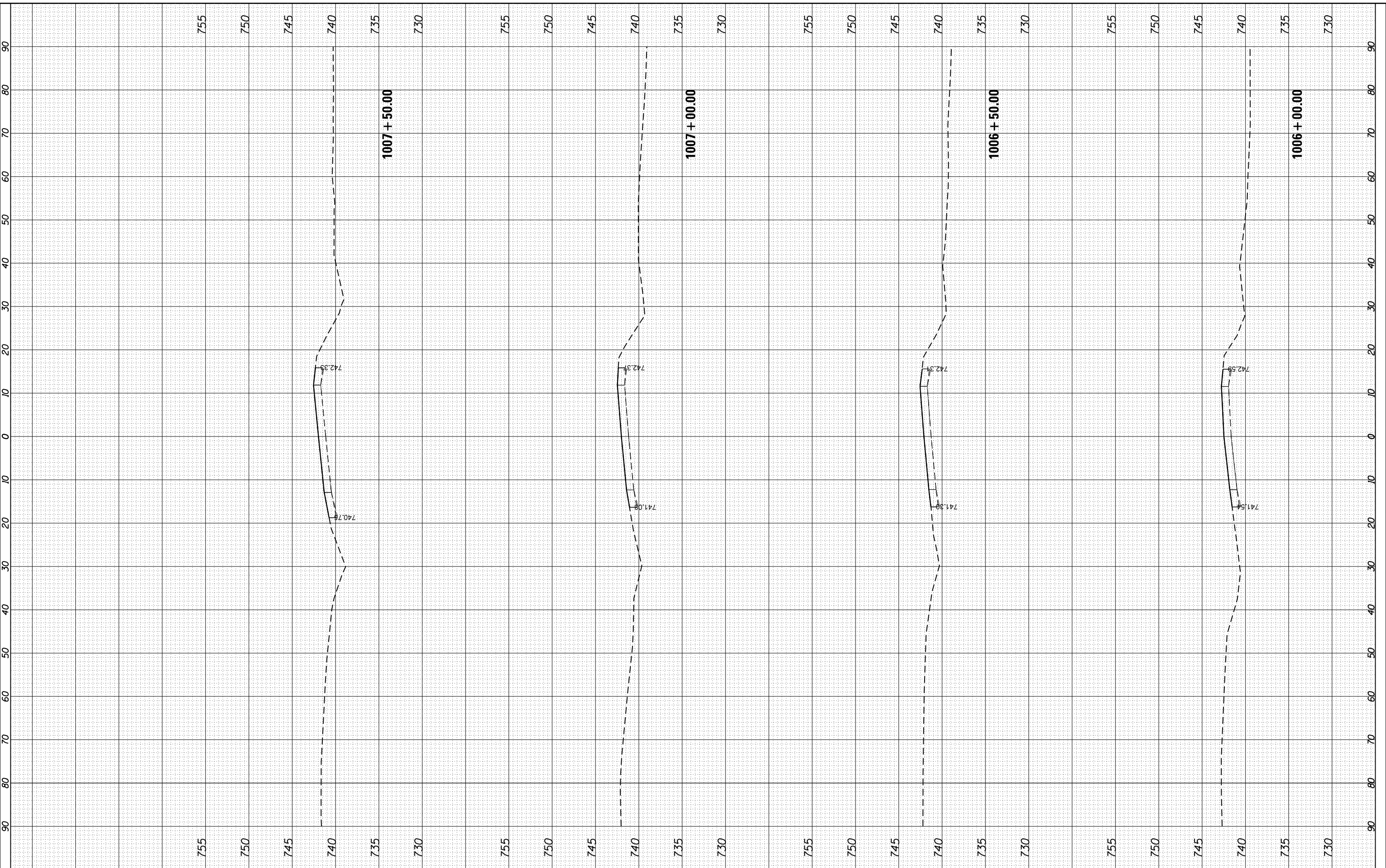
CROSS SECTIONS		
EXISTING KENOSHA ROAD		
SCALE: 10H:10V	SHEET NO. 22 OF 25 SHEETS	STA. 1004+00.00 TO STA. 1005+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	102
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

HRC PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc-Ek-kenosha
 PLOT DRIVER: ilpdf_wkrtcf9
 PEN TABLE: p01tbltbl.tbl



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USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10H:10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

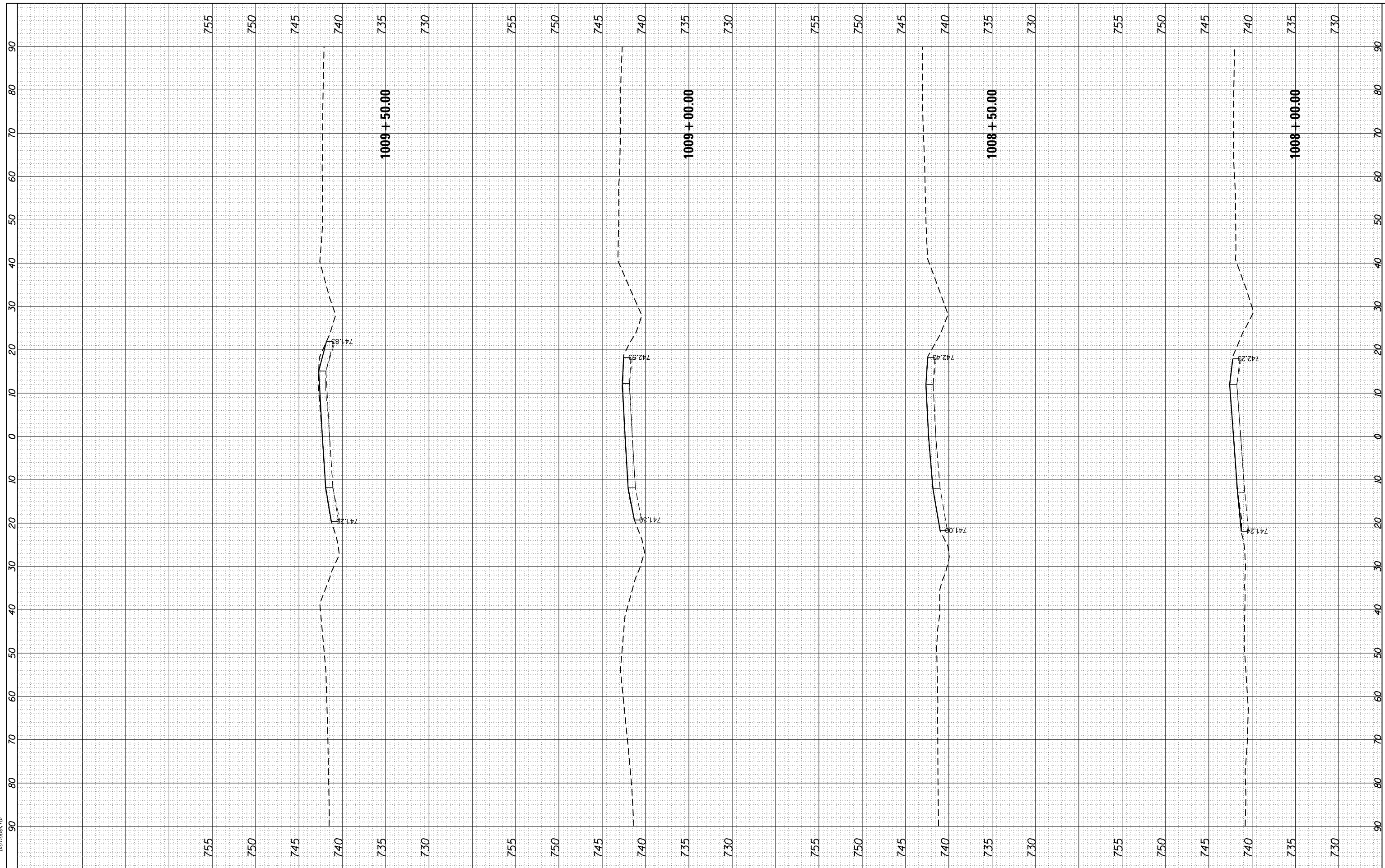
CROSS SECTIONS		
EXISTING KENOSHA ROAD		
SCALE: 10H:10V	SHEET NO. 23 OF 25 SHEETS	STA. 1006+00.00 TO STA. 1007+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	103
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

HRC PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc-EK-Kenosha
 PLOT DRIVER: ilpdf_wrtfctf9
 PEN TABLE: p01tbltbl.tbl



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USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 10ft=10V	CHECKED -	REVISED -
PLOT DATE = 3/21/2019	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

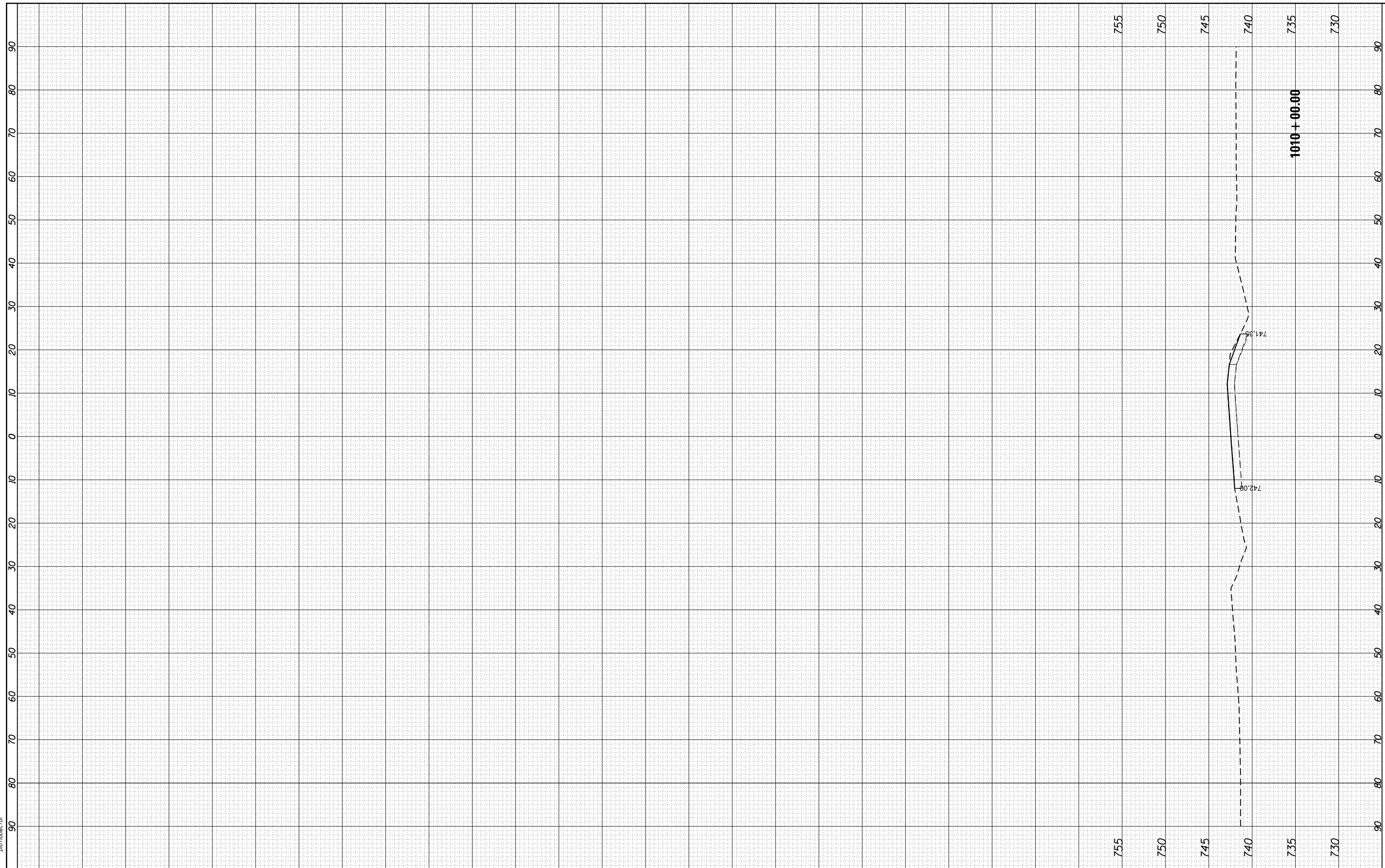
CROSS SECTIONS		
EXISTING KENOSHA ROAD		
SCALE: 10ft=10V	SHEET NO. 24 OF 25 SHEETS	STA. 1008+00.00 TO STA. 1009+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	104
CONTRACT NO.			62B75	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
	TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
	TEMPLATE AREAS CHECKED		

HRC PROJECT NO.: 8650046.04
 FILE NAME: 062875-ep1+acc-EK-kenosha
 PLOT DRIVER: ilpdf_wkrtcf9
 PEN TABLE: p01tbltbl.tbl



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USER NAME = bhartna	DESIGNED - BH	REVISED -
PLOT SCALE = 10H:10V	DRAWN - DMS	REVISED -
PLOT DATE = 3/21/2019	CHECKED -	REVISED -
	DATE - 3/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS		
EXISTING KENOSHA ROAD		
SCALE: 10H:10V	SHEET NO. 25 OF 25 SHEETS	STA. 1010+00.00 TO STA. 1010+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2711	32-N-6(15)	LAKE	105	105
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 62B75