

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

11-05-2021 LETTING ITEM 105

STATE OF ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	1
FED. ROAD DIST. NO 1 ILLINOIS		CONTRACT NO. 61H15		

TRAFFIC DATA

ADT:	ILL. Route 19 (Irving Park Rd)	21,900 VPD (2011)	28,000 VPD (2040)
	Bartlett Road	16,800 VPD (2011)	22,000 VPD (2040)

	SPEED POSTED	DESIGN SPEED
ILL. Route 19 (Irving Park Rd):	35 MPH	40 MPH
Bartlett Road	35 MPH	40 MPH

DESIGN DESIGNATION

FAU 1321 (ILL. Route 19) - MINOR ARTERIAL (NON-URBAN)
FAU 2537 (Bartlett Road) - MINOR ARTERIAL (NON-URBAN)

PROJECT LOCATED IN THE VILLAGE OF STREAMWOOD

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

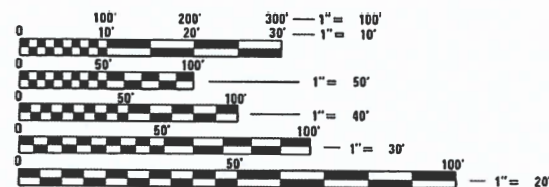
**FAU 1321 IL 19 (IRVING PARK ROAD)
IRVING PARK ROAD (ILLINOIS ROUTE 19)
AT BARTLETT ROAD
RECONSTRUCTION, WIDENING, ROADWAY LIGHTING & TRAFFIC SIGNAL MODERNIZATION**

**SECTION: 10-00055-01-WR
PROJECT: HW2M(691)
VILLAGE OF STREAMWOOD
COOK COUNTY
JOB: C-91-188-20**



LOCATION OF SECTION INDICATED THIS: - [shaded box] -

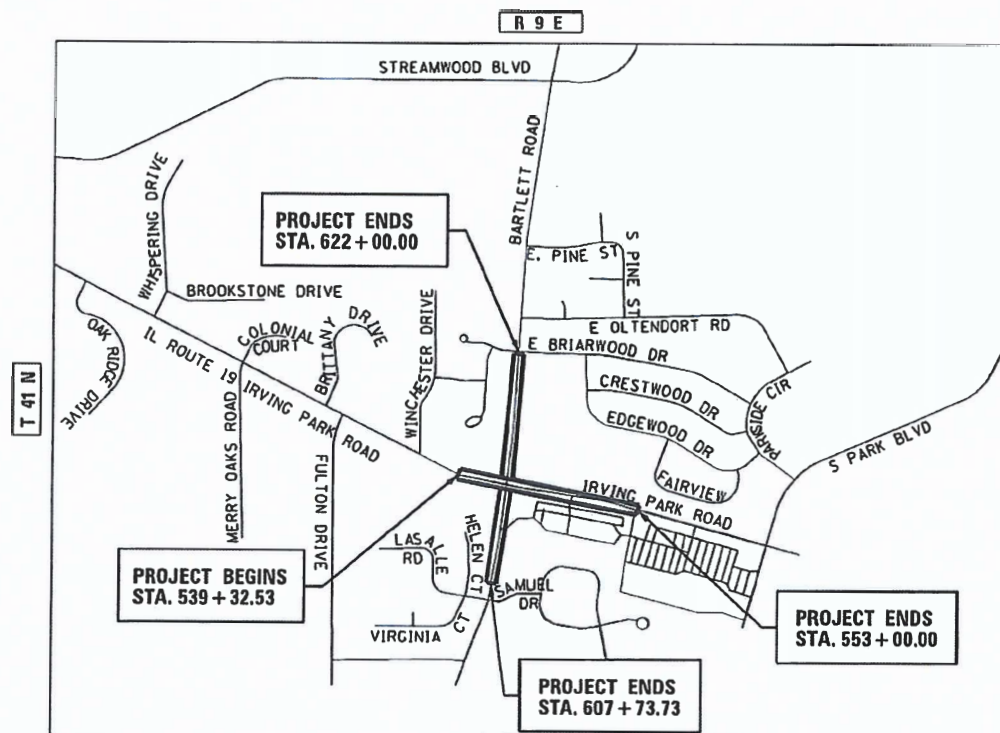
FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL



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

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

**PROJECT ENGINEER: J. HORWITZ
PROJECT MANAGER: J. MELHUISE
CONTRACT NO. 61H15**



HANOVER TOWNSHIP

LOCATION MAP

N.T.S.

PROJECT LENGTH

NET AND GROSS LENGTH OF PROJECT = 2800 FT. = 0.53 MILES



PROFESSIONAL ENGINEER'S SIGN & SEAL
EXCLUDING SHEET(S):

BREND A LOWERY, P.E.
EXPIRES: 11-30-21



PROFESSIONAL ENGINEER'S SIGN & SEAL
EXCLUDING SHEET(S):

JACK R. MELHUISE, P.E.
EXPIRES: 11-30-21

HRGreen
420 NORTH FRONT STREET, SUITE 100 | McHENRY, ILLINOIS 60050
Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
APPROVED 5/10 20 21
max
VILLAGE OF STREAMWOOD

PASSED 5/20 20 21
CF. Pridem
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID
BASED ON LIMITED REVIEW May 20 20 21
Jose Pires / OAS
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PLAN	SURVEYED PLOTTED	BY	DATE	CHECKED DATE

PROFILE	SURVEYED PLOTTED	BY	DATE	CHECKED DATE

HRG PROJECT NO.: #90567
 HRG PROJ. CONTACT: #90567-smt-gene@hrg.com
 FILE NAME: 10-00055-01-WR-1321-01-01-1321
 PEN TABLE: pccfbtbl.tbl

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DISTRICT ONE DETAILS

DISTRICT ONE DETAILS STANDARD NO.	LIST OF DESCRIPTION
BD01	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ TO 15 FT
BD02	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER < TO 15 FT
BD07	DETAIL OF STORM SEWER CONNECTION TO EXISTING STORM SEWER
BD12	MANHOLE WITH RESTRICTOR PLATE
BD24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD36	FIRE HYDRANT TO BE MOVED
BD48	PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BE220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE300	LIGHT POLE FOUNDATION 30' TO 35' M.H. 11 1/2" BOLT CIRCLE
BE310	LIGHT POLE FOUNDATION OFFSET 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE800	TEMPORARY LIGHT POLE DETAILS
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC22	ARTERIAL ROAD INFORMATION SIGN
TC26	DRIVEWAY ENTRANCE SIGNING
TS02	MAST ARM MOUNTED STREET NAME SIGNS
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
	ILLUMINATED STREET NAME SIGN

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
420111-04	PCC PAVEMENT ROUNDOUTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CURB FOR SIDEWALKS
542311-07	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602301-04	INLET, TYPE A
602401-07	MANHOLE, TYPE A 4' DIAMETER
602402-03	MANHOLE, TYPE A 5' DIAMETER
602406-11	MANHOLE, TYPE A 6' DIAMETER
602416-09	MANHOLE, TYPE A 8' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE TYPE 8
604091-04	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
643001-02	SAND MODULE IMPACT ATTENUATORS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD MOVING OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	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, AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS AND MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
836001-04	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
C-001	DETAILS AND NOTES FOR CONSTRUCTION
C-002	PRIVATE AND COMMERCIAL DRIVE DETAIL
C-003	PCC SIDEWALK CONSTRUCTION



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS & DISTRICT 1 DETAILS
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, APRIL 1, 2016. THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2021. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 IDOT AT (847) 705-4436 AND THE VILLAGE OF STREAMWOOD AT (630) 736-3850 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
- 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.
- 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.
- SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. UNLESS OTHERWISE NOTED.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
- CURB RAMPS SHALL BE INSTALLED AT ALL INTERSECTING STREETS AND DRIVEWAYS PER CURRENT IDOT STANDARDS AT LOCATIONS WHERE SIDEWALK IS SHOWN ON THE PLAN.
- THE CONTRACTOR SHALL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE OR IDOT PROPERTY WITHOUT WRITTEN CONSENT FROM THE VILLAGE OF STREAMWOOD OR IDOT.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXEL TRUCK.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- AGGREGATE SUBGRADE IMPROVEMENT (CU.YD.) HAS BEEN PROVIDED FOR USE AT THE LOCATION INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU.YD.) WILL BE IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOIL SHOULD BE TESTED WITH A STATIC AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC STANDARD AND CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOIL ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

STORM SEWERS, WATER MAINS, AND UTILITIES

- 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 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 OWNER BY THE CONTRACTOR.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF STREAMWOOD IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE VILLAGE WITHIN THE DURATION OF THE CONTRACT.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- 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.
- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY AND BE DELIVERED TO THE VILLAGE OF STREAMWOOD, AS APPLICABLE.
- 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.

- CONTRACTOR SHALL MAINTAIN THE CONVEYANCE OF ALL FLOWS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, CULVERTS, AND OTHER DRAINAGE FACILITIES. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT THE PERMANENT CONNECTIONS WITH SEWERS OR CULVERTS ARE BUILT AND IN SERVICE.
- ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON WATER STRUCTURES SHALL BEAR THE WORD "WATER." ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM." ALL LIDS TO BE USED ON SANITARY SYSTEM STRUCTURES SHALL BEAR THE WORD "SANITARY." REFER TO THE VILLAGE OF STREAMWOOD DETAILS FOR ORDERING INFORMATION OR CONTACT THE DEPARTMENT OF PUBLIC WORKS.
- 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. COMMON BRICK WILL NOT BE ALLOWED.
- ALL DRAINAGE STRUCTURES LOCATED IN THE ROADWAY VERTICAL CURVE SAGS (LOW-POINTS) SHALL HAVE 4" SUB-SURFACE PAVEMENT DRAIN OPENINGS BLOCKED OUT (PRECAST) AS SHOWN IN THE PLAN DETAILS FOR UNDER DRAIN CONNECTIONS. CONTRACTOR SHALL NOTE THAT STRUCTURE.
- 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 THE 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.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

BACKFILL

- ALL TRENCHES WITHIN COOK COUNTY ROW SHALL BE TRENCH BACKFILLED WITH FA-6 SAND IN ACCORDANCE WITH METHOD 1 IN ACCORDANCE WITH ARTICLE 550.07 OF THE (IDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- STORM SEWER WITHIN IDOT ROW SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- 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, BACK FILLING STORM AND SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART.550.07 (b,c) OF THE SSRBC WILL NOT BE ALLOWED.

SIGNING AND STRIPING

- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT (708) 597-9800.
- SEE IDOT STANDARD DETAIL 780001, DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- IN ACCORDANCE TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS, 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.
- 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.
- ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. ALL SIGNS TO BE REMOVED ALONG IL ROUTE 19 SHALL REMAIN THE PROPERTY OF IDOT AND SHALL BE RETURNED TO IDOT UPON REMOVAL AT 895 S. STATE STREET, ELGIN, IL. THE PHONE NUMBER IS 847-741-5302. SIGNS TEMPORARILY RELOCATED OR COVERED SHALL NOT BECOME THE PROPERTY OF IDOT UNTIL PERMANENTLY REMOVED. ALL SIGNS TO BE REMOVED ALONG BARTLETT ROAD SHALL REMAIN THE PROPERTY OF THE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND SHALL BE RETURNED TO THE COOK COUNTY HIGHWAY MAINTENANCE FACILITY UPON REMOVAL AT 2325 N MEACHAM ROAD, SCHAUMBURG, IL. SIGNS TEMPORARILY RELOCATED OR COVERED SHALL NOT BECOME THE PROPERTY OF THE COUNTY UNTIL PERMANENTLY REMOVED.

EARTHWORK

- SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSTABLE MATERIAL.
- PRIOR TO ANY EMBANKMENT PLACEMENT, ALL VEGETATION AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL AS APPROVED BY THE ENGINEER.

SEDIMENTATION AND EROSION CONTROL

- SEE EROSION CONTROL PLANS FOR GENERAL NOTES CONCERNING EROSION CONTROL.

TRAFFIC CONTROL

- SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

LIGHTING PLANS

- SEE LIGHTING PLANS FOR GENERAL NOTES CONCERNING LIGHTING DESIGN.

COMMITMENTS

- NONE.

TRAFFIC SIGNALS

- THE CONTRACTOR SHALL CONTACT THE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV 72 HOURS IN ADVANCE OF BEGINNING WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- IF THIS CONTRACT 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 UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT, AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOR TO ORDERING MATERIALS, AND PRIOR TO POURING FOUNDATIONS.
- 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 SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250, RESPECTIVELY.
- LOCATIONS WITH PEDESTRIAN EQUIPMENT HAVE BEEN DESIGNED TO BE ADA COMPLIANT, ANY DEVIATION FROM THE PLANS FOR TRAFFIC SIGNAL MAST ARM/POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.

DATE	BY	SURVEYED	ALIGNED	CHECKED	PLANNED
		PLOTTED	FILED	FILED	FILED
		NOTE BOOK	FILE NAME	FILE NAME	FILE NAME
		NO.			

DATE	BY	SURVEYED	ALIGNED	CHECKED	PLANNED
		PLOTTED	FILED	FILED	FILED
		NOTE BOOK	FILE NAME	FILE NAME	FILE NAME
		NO.			

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-011-gm02.dgn
 FILE NAME: 190567-011-gm02.dgn
 PEN TABLE: 190567.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	3
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT
			CONTRACT NO.	61H15

PLAN	SURVEYED	BY	DATE
	ALIGNED		
NOTE BOOK NO.	RT. OF WAY CHECKED		
	FIELD FILE NAME		

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

HRC PROJECT NO.: 190567
 HRC PROJ. CONTACT: 190567-shr-sum@hrc.com
 FILE NAME: IL_pdr_dw.plt.ctb
 PLOT DRIVER: plotter.tbl
 PEN TABLE:

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	20,400	20,400			
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	2,520				2,520
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SO YD	2,019				2,019
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SO YD	171	171			
35102200	AGGREGATE BASE COURSE, TYPE B 10"	SO YD	160	160			
35501287	HOT-MIX ASPHALT BASE COURSE, 2 1/4"	SO YD	331	331			
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	399	399			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4,780	4,780			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	525	525			
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	177				177
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	240				240
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	6,509	6,509			
40701886	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4"	SO YD	9,643	9,643			
42000521	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	SO YD	9,005	9,005			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	399	399			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	24,911				24,911
44000100	PAVEMENT REMOVAL	SO YD	17,907	17,907			
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	2,272	2,272			

- SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jharwit	DESIGNED - JRM	REVISED - 9/17/2021
PLOT SCALE = 2.0000' / 1"	DRAWN - DMS	REVISED -
PLOT DATE = 9/17/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: N.T.S. SHEET 2 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	5
CONTRACT NO.			61H15	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLANNED		
NOTE BOOK NO.	PLANNED		
	NOT CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
NOTE BOOK NO.	ELM. NOTED		
	STRUCTURE NOTATIONS CIPED		

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-917-sum01.dgn
 FILE NAME: 190567-917-sum01.dgn
 PLOT DRIVER: 190567-917-sum01.dgn
 PEN TABLE: 190567-917-sum01.dgn

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6,266	6,266			
44000600	SIDEWALK REMOVAL	SO FT	15,703				15,703
52200800	SEGMENTAL CONCRETE BLOCK WALL	SO FT	1,210				1,210
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	424	424			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	157	157			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	115	115			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	302	302			
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	159	159			
55100500	STORM SEWER REMOVAL 12"	FOOT	955	955			
55100700	STORM SEWER REMOVAL 15"	FOOT	585	585			
55101200	STORM SEWER REMOVAL 24"	FOOT	145	145			
55101400	STORM SEWER REMOVAL 30"	FOOT	235	235			
• 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	123			123	
• 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	88			88	
• 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1,889			1,889	
• † 56104900	WATER VALVES 6"	EACH	2			2	
• † 56105000	WATER VALVES 8"	EACH	1			1	
• † 56105200	WATER VALVES 12"	EACH	5			5	

- SPECIAL PROVISION
- + SPECIALTY ITEM
- x CONSTRUCTION TYPE CODE 0042



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 3	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

PLAN	SURVEYED	DATE
	ALIGNED	
NOTE BOOK NO.	RT. OF WAY CHECKED	
	PLD FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
NOTE BOOK NO.	B.M. NOTED	
	STRUCTURE NOTATIONS CHECKED	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-sum0.dgn
 FILE NAME: 190567-sht-sum0.dgn
 PLOT DRIVER: 190567-sht-sum0.dgn
 PEN TABLE: 190567-sht-sum0.dgn

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
+ 56200200	WATER SERVICE LINE 3/4"	FOOT	20			20	
+ 56200300	WATER SERVICE LINE 1"	FOOT	157			157	
+ 56200500	WATER SERVICE LINE 1 1/2"	FOOT	46			46	
+ 56200700	WATER SERVICE LINE 2"	FOOT	16			16	
+ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3			3	
+ 56400810	FIRE HYDRANT EXTENSION	FOOT	10			10	
+ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	4			4	
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1,063	1,063			
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1			
60201005	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE	EACH	1	1			
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2			
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	5	5			
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	12	12			
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	4	4			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5			
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6			
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3			
60236700	INLETS, TYPE A, TYPE 10 FRAME AND GRATE	EACH	1	1			

- SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jharwit	DESIGNED - JRM	REVISED - 9/17/2021
PLOT SCALE = 2.0000' / 1"	DRAWN - DMS	REVISED -
PLOT DATE = 9/17/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: N.T.S. SHEET 4 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	7
CONTRACT NO. 61H15				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ADJUSTED		
NOTE BOOK NO.	ALIGNED		
	RT. OF WAY CHECKED		
	FIELD FILE NAME		

PROFILE	GRADES	BY	DATE
	GRADES CHECKED		
NOTE BOOK NO.	BLM. NOTED		
	STRUCTURE NOTATIONS CHECKED		

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-shr-sum@hrg.com
 FILE NAME: IL2019-01-01-190567-01-01.dwg
 DRAWN: JRM
 PLOT DATE: 9/17/2021

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2			
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	3	3			
+ 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3			3	
+ 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5			5	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	3			
60255500	MANHOLES TO BE ADJUSTED	EACH	8	8			
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60260100	INLETS TO BE ADJUSTED	EACH	1	1			
60500040	REMOVING MANHOLES	EACH	11	11			
60500050	REMOVING CATCH BASINS	EACH	22	22			
60500060	REMOVING INLETS	EACH	9	9			
+ 60500405	FILLING VALVE VAULTS	EACH	7			7	
60600605	CONCRETE CURB, TYPE B	FOOT	345	345			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,995	2,995			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,354	2,354			
+ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5,330	5,330			
+ 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4			
+ 66901000	BACKFILL PLUGS	CU YD	10	10			

- SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jherwit	DESIGNED - JRM	REVISED - 9/17/2021
PLOT SCALE = 2.0000' / 1"	DRAWN - DMS	REVISED -
PLOT DATE = 9/17/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 5	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	8
FED. ROAD DIST. NO.			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				

PLAN	SAVED	DATE
	ALIGNMENT CHECKED	
NOTE BOOK NO.	BY	
	FILE NAME	

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

HRC PROJECT NO. 190567
 HRC PROJ. CONTACT: 190567-ent-sum.dwg
 FILE NAME: IL_per_dwp1c1c9
 PLOT DRIVER: plot1000.tbl
 PEN TABLE:

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0042	ITEP 80% FEDERAL 20% LOCAL 0028
+ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1			
+ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1			
+ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	200	200			
+ 66901004	HERBICIDES SOIL ANALYSIS	EACH	1	1			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12			
67100100	MOBILIZATION	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	115	115			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	36	36			
70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SO FT	947	947			
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	55,085	55,085			
70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	8,655	8,655			
70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	2,974	2,974			
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	510	510			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	275	275			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	163	163			
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	6	6			
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2			
+ 72000100	SIGN PANEL - TYPE 1	SO FT	116	116			

- SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 6	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE. 1321	SECTION NO. 10-00055-01-WR	COUNTY COOK	TOTAL SHEETS 148	SHEET NO. 9
FED. ROAD DIST. NO. ILLINOIS (FED. AID PROJECT)		CONTRACT NO. 61H15		

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

PROFILE	DESIGNED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	BY		
	FILE NAME		

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
+ 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2			
+ 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	6	6			
+ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	340	340			
+ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	437	437			
+ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10,865	10,865			
+ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,135	2,135			
+ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,024	1,024			
+ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	89	89			
+ 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	656	656			
+ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	27,845	27,845			
+ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	3,119	3,119			
+ 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	607	607			
+ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	288	288			
+ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	260	260			
+ 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	12	12			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	260	260			
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SO FT	3,590	3,590			
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	1,940	1,940			

- SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-shr-sumd.dgn
 FILE NAME: 11.dwg
 PLOT DATE: 9/17/2021



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 2,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 7	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	10
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	
NO.	RT. OF WAY CHECKED	
	FIELD FILE NAME	

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-shr-sum@hrg.com
 FILE NAME: IL_rte_19_rte.ctb
 PLOT DRIVER: il_rte_19_rte.ctb
 PEN TABLE: plottbl.tbl

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0042	ITEP 80% FEDERAL 20% LOCAL 0028
* +	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	730	730		
* +	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	126	126		
* +	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,317	460.0	857	
* +	81400100	HANDHOLE	EACH	4	4		
* +	81400200	HEAVY-DUTY HANDHOLE	EACH	2	2		
* +	81400300	DOUBLE HANDHOLE	EACH	2	2		
* +	81603110	UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA, POLYETHYLENE	FOOT	1,875		1875	
* +	81603156	UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA, POLYETHYLENE	FOOT	967		967	
* +	81800200	AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE	FOOT	1,770		1770	
+	83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	13		13	
+	83057356	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH TWO 15FT MAST ARMS	EACH	2		2	
+	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	220		220	
+	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	22		22	
+	84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	15		15	
+	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	18		18	
+	84200804	REMOVAL OF POLE FOUNDATION	EACH	18		18	
* +	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1		
* +	86400100	TRANSCIEVER - FIBER OPTIC	EACH	1	1		

- * SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jhorwit
DESIGNED - JRM
DRAWN - DMS
PLLOT SCALE = 2.0000' / 1in.
PLLOT DATE = 9/17/2021

REVISED - 9/17/2021
REVISOR -
CHECKED -
DATE -

REVISED -
REVISOR -
REVISOR -
REVISOR -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: N.T.S. SHEET 8 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	11
CONTRACT NO.			61H15	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

PROFILE	DATE
PLANNED	
GRADES CHECKED	
BY	
NOTE BOOK	
NO.	
STRUCTURE NOTATION SHEET	

HRG PROJECT NO. 190567
 HRG PROJ. CONTACT: 190567-srt-sumulc.dgn
 FILE NAME: L:\dof.dwg\pfcrg
 PLOT DRIVER: plotdbr101

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE				
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028	
* +	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,109	2,109			
+	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,352	1,352			
+	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,717.5	1,717.5			
+	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	885	885			
+	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,164	3,164			
+	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,307	2,307			
+	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	60	60			
+	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	783	783			
* +	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	4			
* +	87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2	2			
* +	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2	2			
* +	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20	20			
* +	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4			
* +	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52	52			
+	87900200	DRILL EXISTING HANDHOLE	EACH	1	1			
* +	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	4			
* +	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8	8			

- * SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042



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 Illinois Professional Design Firm
 #184-001322

USER NAME = jharwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLLOT SCALE = 2.0000' / 1"	CHECKED -	REVISED -
PLLOT DATE = 9/17/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 9 OF 14 SHEETS	STA. TO STA.	

F.A.U. RTE. 1321	SECTION NO. 10-00055-01-WR	COUNTY COOK	TOTAL SHEETS 148	SHEET NO. 12
CONTRACT NO. 61H15			ILLINOIS FED. AID PROJECT	

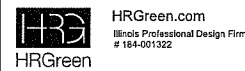
PLAN	SURVEYED ALIGNMENT CHECKED RT. OF WAY CHECKED P&S FILE NAME	BY	DATE
		NOTE BOOK NO.	

PROFILE	GRADES CHECKED PLOTTED B.M. NOTED STRUCTURE NOTATIONS CHECKED	BY	DATE
		NOTE BOOK NO.	

HRC PROJECT NO. 190567
 HRC PROJ. CONTACT: 190567-shr-sum01.dgn
 FILE NAME: il_rte_19_wprtrc19
 PLOT DRIVER: pcrtblcr19
 PLOT TABLE:

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0025
+ 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8	8			
+ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8			
+ 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12	12			
+ 88500100	INDUCTIVE LOOP DETECTOR	EACH	7	7			
+ 88600100	DETECTOR LOOP, TYPE I	FOOT	385	385			
+ 88700200	LIGHT DETECTOR	EACH	2	2			
+ 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	1			
+ 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8	8			
+ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1			
+ 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,999	1,999			
+ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1			
+ 89502380	REMOVE EXISTING HANDHOLE	EACH	11	11			
+ 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	1			
+ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	9			
+ A2001020	TREE, ACER RUBRUM (RED MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4				4
+ A2004520	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4				4
+ A2005328	TREE, LIQUIDAMBAR STYRACIFLUA MORAINA (MORAINA SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	4				4
+ C2011724	SHRUB, VIBURNUM DENTATUM (ARROWWOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED	EACH	3				3

- * SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 10	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE. 1321	SECTION NO. 10-00055-01-WR	COUNTY COOK	TOTAL SHEETS 148	SHEET NO. 13
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61H15		

PLAN	SURVEYED BY	DATE	CHECKED BY	DATE

PROFILE	SURVEYED BY	DATE	CHECKED BY	DATE

HRG PROJECT NO.: #00567
 HRG PROJ. CONTACT: #00567-sht-sum/dgn
 FILE NAME: IL_rte19.dwg/jtrc/f9
 PLOT DRIVER: plot/obek.tbl
 PEN TABLE:

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
+ C2C02936	SHRUB, FORSYTHIA X INTERMEDIA (BORDER FORSYTHIA), 3' HEIGHT, CONTAINER	EACH	4				4
+ K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	1				1
+ K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	5				5
+ X0301115	LANDSCAPE EDGING	FOOT	360				360
• X0322463	CONNECTION TO EXISTING SEWER	EACH	12	12			
+ X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	301.5	301.5			
+ X0324097	COARSE SAND PLACEMENT, 2"	SO YD	143				143
+ X0324585	SANITARY SEWER SERVICE REMOVAL AND REPLACEMENT	EACH	2	2			
+ X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	812	812			
+ X0327084	AUXILIARY VALVE BOX EXTENSION	FOOT	10			10	
+ X0327085	CASING PIPE, OPEN CUT, 20" PVC	FOOT	40			40	
• X0327690	TELEVISION INSPECTION OF SEWER, SPECIAL	FOOT	4,000	4,000			
• X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4				4
• X0540000	BRICK PAVERS	SO FT	1,186				1,186
+ X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1			
+ X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1			
+ X1400156	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, FAR BACK	EACH	2	2			
+ X1400238	LUMINAIRE, LED, SPECIAL	EACH	26		26		

- SPECIAL PROVISION
- + SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
PLOT SCALE = 2.0000' / 1"	DRAWN - DMS	REVISED -
PLOT DATE = 9/17/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 11 OF 14 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

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

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
NOTE BOOK NO.	B.M. NOTED	
	STRUCTURE NOTATIONS CIPRD	

HRG PROJECT NO.: #90567
 HRG PROJ. CONTACT: #90567-sst-sum04.dgn
 FILE NAME: IL_per_bwp1c1g
 PLOT DRIVER: plot001.tbl
 PEN TABLE:

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
* +	X1400367 PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1	1			
* +	X1400424 ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	844.5				844.5
•	X2010400 STUMP REMOVAL ONLY	UNIT	84				84
•	X2080250 TRENCH BACKFILL, SPECIAL	CU YD	1,527			1,527	
•	X2110100 TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	100				100
•	X2130010 EXPLORATION TRENCH, SPECIAL	FOOT	200	200			
•	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5	5			
•	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	13	13			
•	X4240800 DETECTABLE WARNINGS (SPECIAL)	SO FT	204				204
* +	X5610651 ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	2,061			2,061	
* +	X5610746 WATER MAIN LINE STOP 6"	EACH	1			1	
* +	X5610748 WATER MAIN LINE STOP 8"	EACH	2			2	
* +	X5610752 WATER MAIN LINE STOP 12"	EACH	3			3	
* +	X5630706 CONNECTION TO EXISTING WATER MAIN 6"	EACH	3			3	
* +	X5630708 CONNECTION TO EXISTING WATER MAIN 8"	EACH	2			2	
* +	X5630712 CONNECTION TO EXISTING WATER MAIN 12"	EACH	4			4	
•	X6020298 MANHOLES, TYPE A, 8'-DIAMETER, TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1			
•	X6026057 SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE I FRAME, CLOSED LID	EACH	2	2			

- SPECIALTY ITEM
- + SPECIAL PROVISION
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jhorwit
 DESIGNED - JRM
 DRAWN - DMS
 CHECKED -
 PLOT DATE = 9/17/2021

REVISED - 9/17/2021
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 12 OF 14 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	15
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61H15	

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

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
NOTE BOOK NO.	BY	
	DATE	
	STRUCTURE NOTATION	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-sum01.dgn
 FILE NAME: 190567-sht-sum01.dgn
 PLOT DRIVER: il_drf_dwg.plt
 PEN TABLE: plot.tbl

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X7010410	SPEED DISPLAY TRAILER	CAL MO	36	36			
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	36,391	36,391			
X7040125	PINNING TEMPORARY CONCRETE BARRIER	SO FT	105	105			
X8300001	LIGHT POLE, SPECIAL	EACH	22		22		
X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	17		17		
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	20		20		
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	1			
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,134.5	2,134.5			
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4	4			
XX003338	TEST HOLES	EACH	10	10			
XX003368	PRECONSTRUCTION VIDEO TAPING	L SUM	1			1	
XX009478	RAISED REFLECTIVE PAVEMENT MARKER (SPECIAL)	EACH	145	145			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	178	178			
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12		12		
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1			
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	406	406			

- SPECIALTY ITEM
- + SPECIAL PROVISION
- X CONSTRUCTION TYPE CODE 0042



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 13 OF 14 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	16
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CRD		
	NO.		

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sh1-sum04.dgn
 FILE NAME: il_rte19_bartlett.dwg
 PLOT DRIVER: pldtbltbl
 PEN TABLE:

- * SPECIALTY ITEM
- + SPECIAL PROVISION
- X CONSTRUCTION TYPE CODE 0042

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0043	ITEP 80% FEDERAL 20% LOCAL 0028
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	145	145			
Z0062456	TEMPORARY PAVEMENT	SO YD	1,441	1,441			
Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	1	1			
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	18	18			
X Z0076600	TRAINEES	HOUR	1,000	1,000			
X Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000			
XY009481	PORTLAND CEMENT CONCRETE SIDEWALK 8.5 INCH	SO FT	204				204
XX009482	PORTLAND CEMENT CONCRETE UNDERLAYMENT, 4"	SO FT	1,302				1,302



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 14	OF 14 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

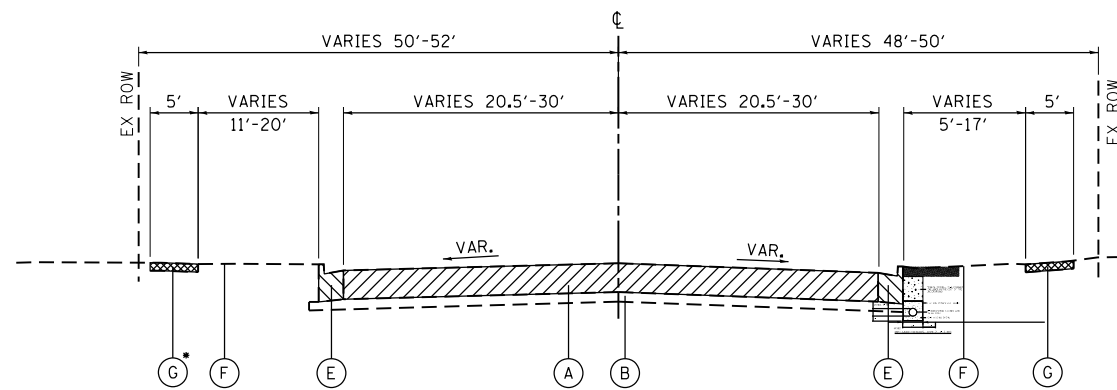
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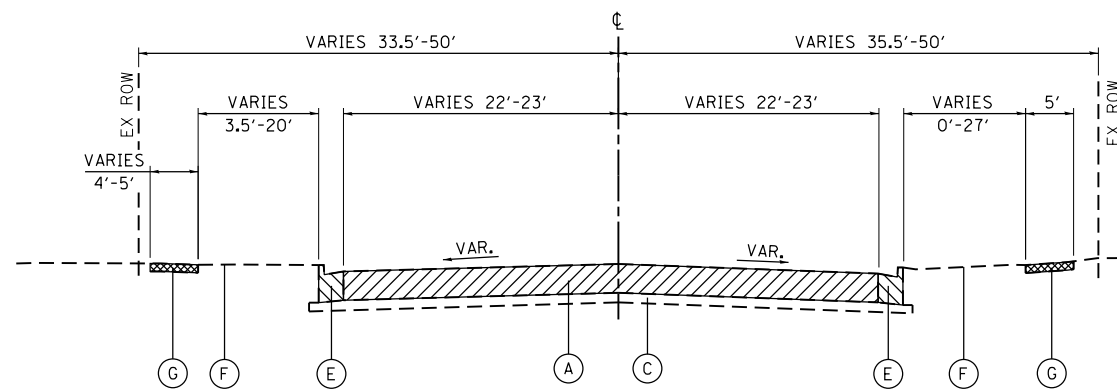
HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smt-tyl@ca0-0.dgn
 FILE NAME: 190567-190567.ctb
 PEN TABLE: 190567.ctb

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- SHOULDER REMOVAL

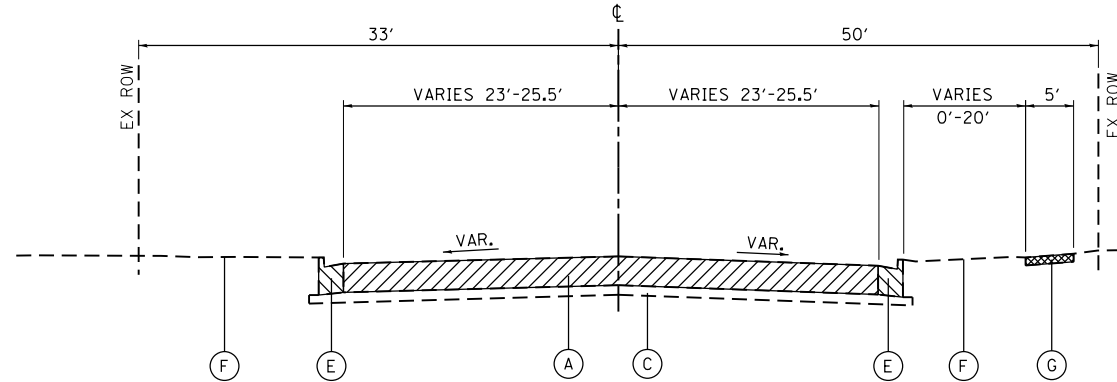
THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN APPROVED FOR USE AT THE LOCATION INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIAL UNSTABLE SOIL SHOULD BE TESTED WITH A STATIC AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC STANDARD AND CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOIL ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.



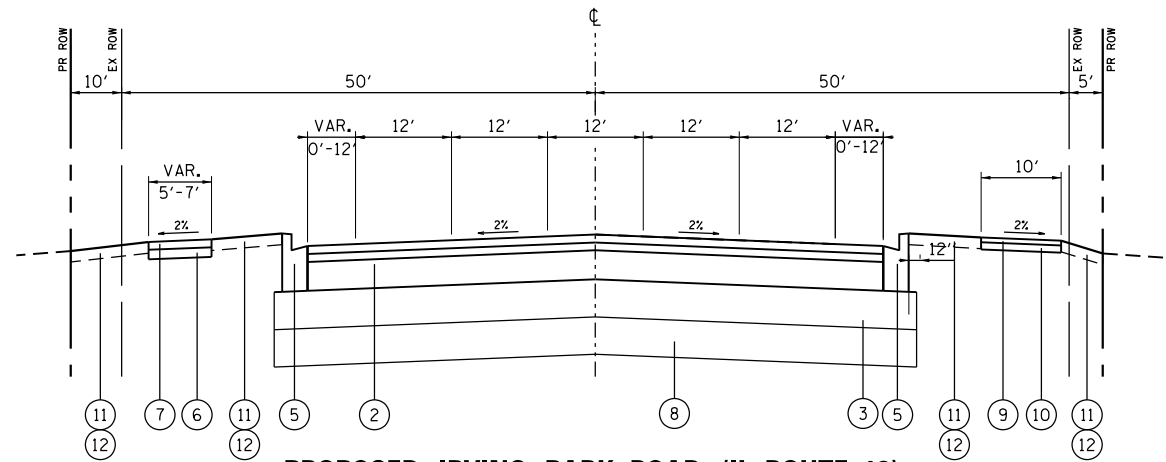
EXISTING IRVING PARK ROAD (IL ROUTE 19)
 STA 539+32.53 TO STA 553+00
 *STA 539+32.53 TO STA 540+00 AND STA 545+74 TO 549+08



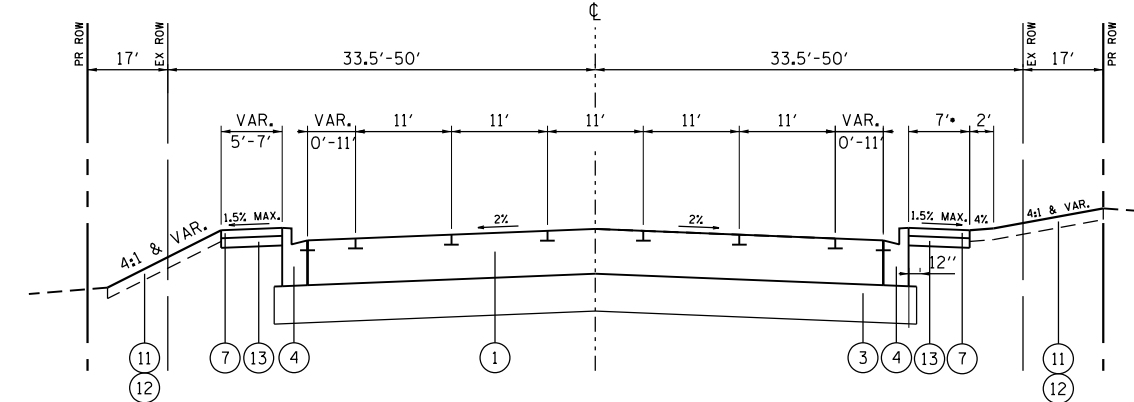
EXISTING BARTLETT ROAD
 STA 607+73.73 TO STA 611+09.43
 STA 618+17.67 TO 622+00



EXISTING BARTLETT ROAD
 STA 611+09.43 TO STA 618+17.67



PROPOSED IRVING PARK ROAD (IL ROUTE 19)
 STA. 539+32.53 TO STA. 553+00
 LANE WIDTHS TAPER FROM 12' TO 11' AT STA. 540+00 TO STA. 541+94 EB & WB
 LANE WIDTHS TAPER FROM 11' TO 12' AT STA. 549+25 TO STA. 551+99 EB
 STA. 548+81 TO STA. 550+92 WB



PROPOSED BARTLETT ROAD
 STA. 607+73.73 TO STA. 622+00
 SEGMENTAL BLOCK WALL LOCATIONS:
 STA. 611+40.43 TO STA. 612+25.00 LT
 STA. 611+60.67 TO STA. 614+15.36 RT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4": IL ROUTE 19 (IRVING PARK ROAD)	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5mm); 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70; 8-1/4"	4% @ 70 GYR.
DRIVEWAYS (IL 19)	
HMA SURFACE COURSE, MIX "D", N50; (IL 9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); CE-8", PE-6"	4% @ 50 GYR.
DRIVEWAYS (BARTLETT ROAD)	
HMA SURFACE COURSE, MIX "D", N50; (IL 9.5mm); 1-3/4"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); CE, PE = 2-1/4"	4% @ 50 GYR.
MULTI-USE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1-1/2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/4"	4% @ 50 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 1-1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8"	4% @ 70 GYR.
TEMPORARY PAVEMENT (VARIABLE DEPTH)	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N70 (VAR DEPTH)	4% @ 70 GYR.

- * THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- * FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- * THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.

EXISTING PAVEMENT THICKNESS	
LOCATION	THICKNESS
IRVING PARK ROAD (IL ROUTE 19)	
STA 539+32.53 TO STA 553+00	
HOT-MIX ASPHALT	3 1/2"
PC CONCRETE	7"
BARTLETT ROAD	
STA 607+73.73 TO STA 614+28.52	
PC CONCRETE	9 1/2"
STA 614+89.27 TO STA 622+00	
PC CONCRETE	11"

- NOTES:
- CRACK CONTROL FABRIC FOUND IN CORE AT STATION 510+90. REMOVAL OF CRACK CONTROL FABRIC SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
 - 1/4" DIA. WIRE MESH FOUND IN CORE AT STATION 616+30. REMOVAL OF WIRE MESH SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

EXISTING TYPICAL SECTION LEGEND

- (A) PAVEMENT REMOVAL (SEE TABLE FOR DEPTHS)
- (B) SUBBASE GRANULAR MATERIAL, 3"-4" (PAID AS EARTH EXCAVATION)
- (C) SUBBASE GRANULAR MATERIAL, 6 3/8"-8 1/8" (PAID AS EARTH EXCAVATION)
- (D) AGGREGATE SHOULDERS
- (E) COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING GROUND
- (G) PORTLAND CEMENT CONCRETE SIDEWALK

PROPOSED TYPICAL SECTION LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 11" JOINTED
- (2) HOT-MIX FULL DEPTH PAVEMENT, 10 1/4"
- (3) AGG SUBGRADE IMP 12"
- (4) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (6) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (8) AGG SUBGRADE IMP (CUYD)
- (9) HMA SURFACE COURSE, MIX "D", N50 (IL 9.5MM); 1-1/2"
- (10) HMA BINDER COURSE, IL-19.0, N50; 2-1/4"
- (11) TOPSOIL FURNISH AND PLACE, 4"
- (12) SEEDING, CLASS 2A
- (13) AGGREGATE BASE COURSE, TYPE B, 4"

STRUCTURAL DESIGN TRAFFIC: YEAR: 2040	
PV = 21,120	SU = 440 MU = 440
ROAD/STREET CLASSIFICATION: CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE: P = 96.0% S = 2.0% M = 2.0%	
TRAFFIC FACTOR: ACTUAL TF = 8.10 AC TYPE = N/A	MINIMUM TF = 5.02
PG GRADE BINDER = N/A	SURFACE = N/A
SUBGRADE SUPPORT RATING: SSR = FAIR	(STA. 607+73 TO 622+00)



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS	
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD	
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

SCHEDULE OF QUANTITIES - EARTHWORK

IL19	STAGE 1 (CU YD)				STAGE 2 (CU YD)				STAGE 3 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE		
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	STAGE 1	STAGE 2
539+50.00													0.0	0.0	0.0
540+00.00	28.1	61.9	14.4	9.5	0.0	0.0	0.0	0.0	7.2	60.1	6.7	0.0	38.2	0.0	44.4
540+05.87	3.5	6.5	2.2	1.2	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	3.3	0.0	6.1
540+50.00	25.5	44.6	23.3	8.5	0.0	0.0	0.0	0.0	6.4	51.3	3.5	0.0	14.6	0.0	40.1
541+00.00	22.3	51.1	24.8	4.5	0.0	0.0	0.0	0.0	19.6	58.2	8.0	0.0	18.6	0.0	41.5
541+50.00	12.2	64.0	8.2	0.0	0.0	0.0	0.0	0.0	19.4	67.4	5.9	0.0	46.1	0.0	51.4
542+00.00	10.0	83.0	1.7	0.0	0.0	0.0	0.0	0.0	16.6	83.3	3.5	3.9	68.9	0.0	67.3
542+18.02	3.5	29.5	0.5	0.0	0.0	5.0	0.0	0.0	5.1	36.7	0.6	3.1	24.6	4.3	30.6
542+50.00	6.1	46.0	0.7	0.0	0.0	18.3	0.0	0.0	11.7	69.2	0.4	7.0	38.4	15.6	58.4
543+00.00	9.4	76.0	0.9	0.0	0.0	32.2	0.0	0.0	29.4	108.4	1.1	14.7	63.7	27.4	91.1
543+50.00	9.4	76.7	0.9	0.0	0.0	34.4	0.0	0.0	41.4	128.3	0.7	16.9	64.2	29.2	108.3
543+81.48	3.0	54.9	0.4	0.0	0.0	20.3	0.0	0.0	21.5	89.0	0.2	10.8	46.3	17.3	75.4
543+89.74	0.0	16.6	0.0	0.0	0.0	5.1	0.0	0.0	2.9	22.7	0.0	2.9	14.1	4.3	19.3
544+50.00	23.5	118.4	0.7	11.2	0.0	37.6	0.0	0.0	36.5	164.8	0.2	20.4	100.0	32.0	139.9
546+00.00	120.6	287.5	6.7	70.8	0.0	47.8	0.0	0.0	121.7	513.1	0.6	40.8	237.7	40.6	435.5
546+50.00	39.4	101.3	4.5	27.7	0.0	13.9	0.0	0.0	29.6	155.9	2.0	5.4	81.6	11.8	130.5
547+00.00	37.4	117.9	4.7	26.7	0.0	30.6	0.0	0.0	19.3	112.2	2.5	0.0	95.5	26.1	92.9
547+34.38	22.2	96.3	1.3	18.5	0.0	25.1	0.0	0.0	10.5	89.1	0.6	0.0	80.5	21.3	75.2
547+50.00	10.9	48.2	0.3	8.4	0.0	12.6	0.0	0.0	3.9	44.5	0.3	0.0	40.7	10.7	37.5
548+00.00	43.1	177.7	4.1	25.7	0.0	20.6	0.0	0.0	10.6	142.2	0.7	0.0	147.0	17.5	120.1
548+28.67	19.3	116.1	1.8	14.1	0.0	0.0	0.0	0.0	6.2	81.8	0.3	0.0	96.9	0.0	69.3
548+50.00	14.3	85.9	2.6	10.3	0.0	0.0	0.0	0.0	4.4	62.0	0.1	0.0	70.4	0.0	52.6
548+84.17	22.3	130.2	5.1	15.9	0.0	0.0	0.0	0.0	6.1	99.5	0.1	0.0	105.6	0.0	84.5
549+00.00	9.6	56.2	2.6	6.8	0.0	0.0	0.0	0.0	3.4	46.4	0.1	0.0	45.1	0.0	39.3
549+50.00	38.6	166.5	14.0	18.8	0.0	0.0	0.0	0.0	11.7	138.0	0.5	0.0	127.5	0.0	116.8
550+00.00	36.6	156.6	14.0	14.7	0.0	0.0	0.0	0.0	11.4	123.0	0.6	0.0	119.1	0.0	104.0
550+50.00	24.9	143.3	10.6	6.4	0.0	0.0	0.0	0.0	5.6	130.9	0.3	0.0	111.3	0.0	111.0
551+00.00	51.0	130.6	3.8	37.6	0.0	0.0	0.0	0.0	30.8	118.9	0.8	24.8	107.2	0.0	100.2
551+50.00	89.3	124.5	0.4	74.9	0.0	0.0	0.0	0.0	61.7	93.1	1.1	50.0	105.5	0.0	78.0
552+00.00	92.9	118.8	0.5	74.0	0.0	0.0	0.0	0.0	62.0	89.2	0.6	50.7	100.5	0.0	75.1
552+36.37	61.0	79.6	0.2	53.6	0.0	0.0	0.0	0.0	45.3	59.4	0.7	37.2	67.5	0.0	49.8
552+50.00	22.5	27.7	0.1	20.2	0.0	0.0	0.0	0.0	17.0	20.4	0.3	13.9	23.4	0.0	17.0
553+00.00	87.7	86.9	0.7	74.4	0.0	0.0	0.0	0.0	62.5	64.4	1.7	51.1	73.1	0.0	53.0
TOTALS	1000.0	2980.6	156.6	634.4	0.0	303.4	0.0	0.0	741.3	3130.7	44.7	353.6	2376.9	257.9	2616.3

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

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

HRG PROJECT NO.: 190667
 HRG PROJ. CONTACT: 190667-sm+SchroQuam.dgn
 FILE NAME: 190667.dwg
 PEN TABLE: 190667.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	19
CONTRACT NO.			61H15	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES - EARTHWORK

BARTLETT	STAGE 1 (CU YD)				STAGE 2 (CU YD)				STAGE 3 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE		
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	STAGE 1	STAGE 2
608+00.00													0.0	0.0	0.0
608+50.00	5.2	86.5	0.3	0.0	0.0	0.0	0.0	0.0	5.6	87.7	0.6	0.0	73.2	0.0	73.9
609+00.00	5.7	89.2	0.3	0.0	0.0	0.0	0.0	0.0	5.8	88.4	0.7	0.0	75.5	0.0	74.4
609+50.00	6.1	79.9	0.4	0.0	0.0	0.0	0.0	0.0	6.0	78.7	0.6	0.0	67.6	0.0	66.3
610+00.00	11.8	73.9	7.1	0.0	0.0	4.6	0.0	0.0	5.9	72.5	0.3	0.0	55.7	3.9	61.3
610+50.00	18.4	79.8	14.2	0.0	0.0	13.6	0.0	0.0	9.1	75.1	0.5	0.0	53.7	11.6	63.4
611+00.00	16.3	88.2	8.4	0.0	0.0	24.4	0.0	0.0	14.5	87.6	0.8	0.0	66.6	20.7	73.6
611+25.38	3.5	51.8	0.6	0.0	0.0	16.9	0.0	0.0	4.3	55.1	0.2	0.0	43.4	14.4	46.6
611+39.31	0.0	31.4	0.0	0.0	0.0	10.1	0.0	0.0	0.0	34.4	0.0	0.0	26.7	8.6	29.3
611+50.00	0.0	23.7	0.6	0.0	0.0	7.9	0.0	0.0	2.1	25.1	0.0	0.0	19.6	6.7	21.4
612+00.00	9.9	135.6	2.7	0.0	0.0	36.4	0.0	0.0	18.9	120.2	0.0	0.0	112.5	30.9	102.2
612+50.00	19.5	155.2	0.0	0.0	0.0	33.4	0.0	0.0	18.6	116.9	0.2	0.0	131.9	28.4	99.1
613+00.00	19.3	162.7	0.0	0.0	0.0	31.0	0.0	0.0	15.7	91.8	0.5	0.0	138.3	26.4	77.5
613+15.90	6.1	55.8	0.0	0.0	0.0	10.0	0.0	0.0	2.0	27.6	0.1	0.0	47.5	8.5	23.4
613+50.00	13.2	118.3	0.0	0.0	0.0	22.5	0.0	0.0	0.6	61.5	0.2	0.0	100.6	19.2	52.1
614+00.00	26.9	200.8	0.0	0.0	0.0	35.6	0.0	0.0	19.4	127.4	0.6	0.0	170.7	30.2	107.7
615+50.00	93.9	490.8	1.7	0.0	0.0	55.3	0.0	0.0	97.5	398.1	15.0	0.0	415.5	47.0	323.3
616+00.00	24.7	94.9	1.5	0.0	0.0	0.0	0.0	0.0	27.8	96.9	8.1	0.0	79.2	0.0	74.3
616+34.04	7.2	60.4	0.6	0.0	0.0	0.0	0.0	0.0	9.3	62.0	2.3	0.0	50.7	0.0	50.5
616+45.50	0.0	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	16.6	0.0	16.8
616+50.00	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	6.5	0.0	6.6
617+00.00	10.8	74.3	0.6	0.0	0.0	9.4	0.0	0.0	14.3	77.1	11.0	0.0	62.6	8.0	54.5
617+28.05	6.1	39.7	0.3	0.0	0.0	10.9	0.0	0.0	16.3	38.3	12.4	0.0	33.4	9.3	20.2
617+50.00	5.1	30.9	0.9	0.0	0.0	9.0	0.0	0.0	13.0	31.4	7.9	0.0	25.3	7.7	18.8
618+00.00	23.8	62.2	4.6	0.0	0.0	20.9	0.0	0.0	30.3	73.9	15.2	0.0	48.3	17.8	47.6
618+50.00	24.9	61.5	5.6	0.0	0.0	19.7	0.0	0.0	28.7	73.2	10.3	0.0	46.7	16.8	52.0
618+86.45	9.2	47.6	2.2	0.0	0.0	14.1	0.0	0.0	19.2	52.0	2.6	0.0	38.3	12.0	41.7
619+00.00	0.0	18.4	0.2	0.0	0.0	5.4	0.0	0.0	7.2	18.7	0.8	0.0	15.5	4.6	15.1
619+50.00	0.0	65.6	0.6	0.0	0.0	20.4	0.0	0.0	26.6	63.1	6.1	0.0	55.1	17.3	47.5
619+59.22	0.0	12.0	0.0	0.0	0.0	3.7	0.0	0.0	4.9	10.7	2.0	0.0	10.2	3.2	7.0
620+00.00	4.9	49.5	0.6	0.0	0.0	14.1	0.0	0.0	21.7	46.1	8.0	0.0	41.5	12.0	31.2
620+23.11	2.8	27.6	0.3	0.0	0.0	6.3	0.0	0.0	12.3	25.8	3.2	0.0	23.2	5.3	18.8
620+50.00	2.9	31.0	0.6	0.0	0.0	5.7	0.0	0.0	14.3	29.3	3.4	0.0	25.8	4.9	21.5
621+00.00	5.4	54.7	2.4	0.0	0.0	4.4	0.0	0.0	26.7	52.0	8.5	0.0	44.1	3.8	35.7
621+50.00	0.0	56.2	1.3	0.0	0.0	0.0	0.0	0.0	26.7	48.8	11.6	0.0	46.5	0.0	29.9
622+00.00	3.0	49.4	1.1	0.0	0.0	0.0	0.0	0.0	26.6	48.1	10.6	0.0	40.8	0.0	30.3
TOTALS	386.7	2786.8	59.6	0.0	0.0	445.9	0.0	0.0	551.8	2423.0	144.2	0.0	2309.2	379.0	1915.4

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

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

EARTHWORK SUMMARY

ITEM NO.	CODE	DESCRIPTION	CROSS SECTION BASED		
			IL RTE 19	BARTLETT	TOTAL
1	20200100	EARTH EXCAVATION	6,414.8	5,655.8	12,070.6
2	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	1,741.3	938.5	2,679.8
3	20400800	FURNISHED EXCAVATION	0.0	0.0	0.0
4	30300001	AGGREGATE SUBGRADE IMPROVEMENT	988.1	0.0	988.1

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm+schroder@hr.com
 FILE NAME: 190567-190567.dgn
 PEN TABLE: 190567.tbl



USER NAME = dstencz
 DESIGNED - JRM
 DRAWN - DMS
 CHECKED -
 DATE -
 PLOT SCALE = 100.0000' / 1" = 10000000
 PLOT DATE = 8/18/2021

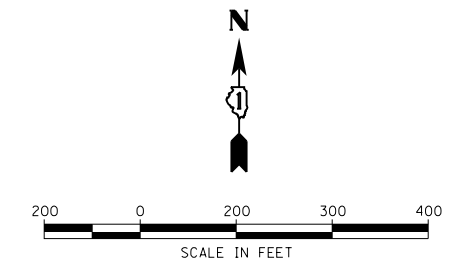
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

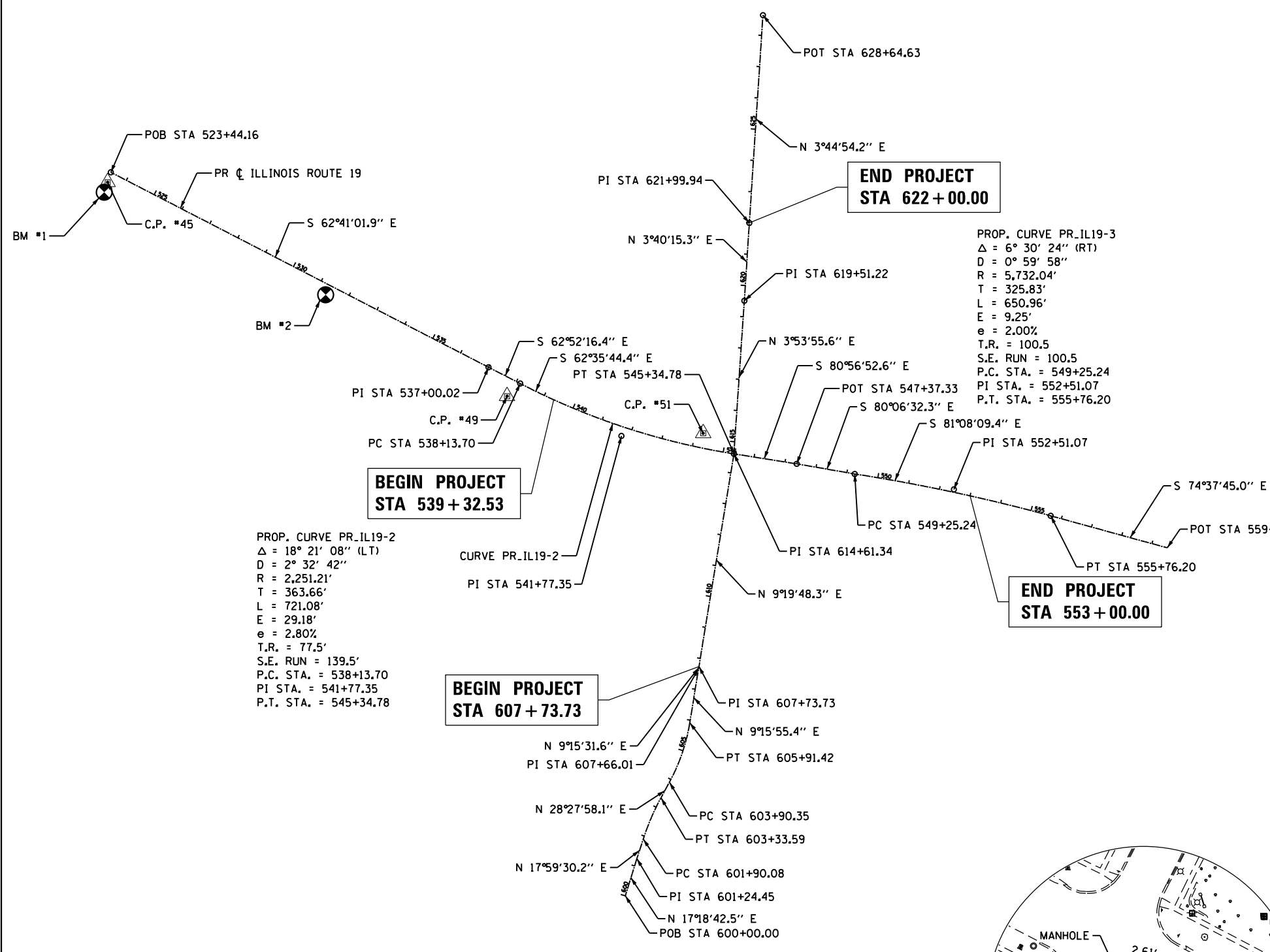
SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	20
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	NOTED
	CHECKED
	FILED
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	NOTED
	CHECKED
	FILED
	NO.



PROP. CURVE PR_IL19-2
 $\Delta = 18^\circ 21' 08''$ (LT)
 $D = 2^\circ 32' 42''$
 $R = 2,251.21'$
 $T = 363.66'$
 $L = 721.08'$
 $E = 29.18'$
 $e = 2.80\%$
 $T.R. = 77.5'$
 $S.E. RUN = 139.5'$
 $P.C. STA. = 538+13.70$
 $PI STA. = 541+77.35$
 $P.T. STA. = 545+34.78$

PROP. CURVE PR_IL19-3
 $\Delta = 6^\circ 30' 24''$ (RT)
 $D = 0^\circ 59' 58''$
 $R = 5,732.04'$
 $T = 325.83'$
 $L = 650.96'$
 $E = 9.25'$
 $e = 2.00\%$
 $T.R. = 100.5$
 $S.E. RUN = 100.5$
 $P.C. STA. = 549+25.24$
 $PI STA. = 552+51.07$
 $P.T. STA. = 555+76.20$

BEGIN PROJECT
 STA 607+73.73

BEGIN PROJECT
 STA 539+32.53

END PROJECT
 STA 622+00.00

END PROJECT
 STA 553+00.00

PROP. CURVE PR_BARTLETT-1
 $\Delta = 10^\circ 28' 28''$ (RT)
 $D = 7^\circ 17' 56''$
 $R = 785.00'$
 $T = 71.95'$
 $L = 143.51'$
 $E = 3.29'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA = 601+90.08$
 $P.T. STA = 603+33.59$

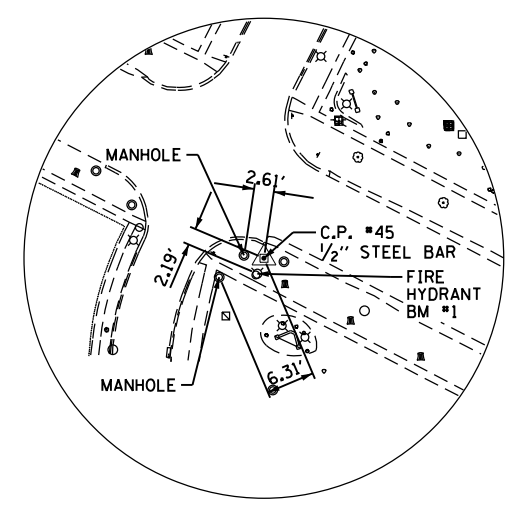
PROP. CURVE PR_BARTLETT-2
 $\Delta = 19^\circ 12' 03''$ (LT)
 $D = 9^\circ 32' 57''$
 $R = 600.00'$
 $T = 101.49'$
 $L = 201.07'$
 $E = 8.52'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA = 603+90.35$
 $P.T. STA = 605+91.42$

BENCHMARKS

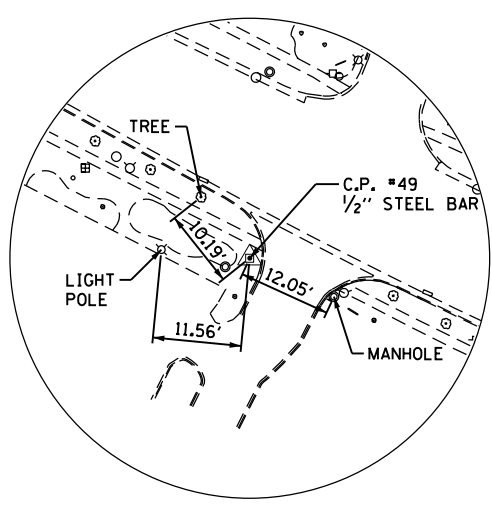
BENCHMARK 1: "MUELLER" BOLT ON TOP FLANGE OF HYDRANT LOCATED AT THE SOUTHEAST CORNER OF IRVING PARK ROAD AND MERRY OAKS DRIVE. ELEVATION = 796.76 (NAVD 88)
 BENCHMARK 2: SOUTHEAST BOLT ON TOP FLANGE OF HYDRANT AT SW CORNER OF IRVING PARK ROAD AND FULTON DR. ELEVATION = 796.37 (NAVD88)

ALIGNMENT COORDINATES - IL ROUTE 19			
STATION	N	E	
POB	523+44.16	1948432.6860	1023012.2862
PI	537+00.02	1947810.4832	1024216.9497
PC	538+13.69	1947758.6464	1024318.1224
PI	541+77.35	1947591.2678	1024640.9685
PT	545+34.78	1947534.0533	1025000.0949
PI	547+37.33	1947502.1856	1025200.1233
PC	549+25.24	1947469.9075	1025385.2399
PI	552+51.07	1947419.7002	1025707.1780
PT	555+76.20	1947333.3340	1026021.3528
POT	559+50.37	1947234.1550	1026382.1370

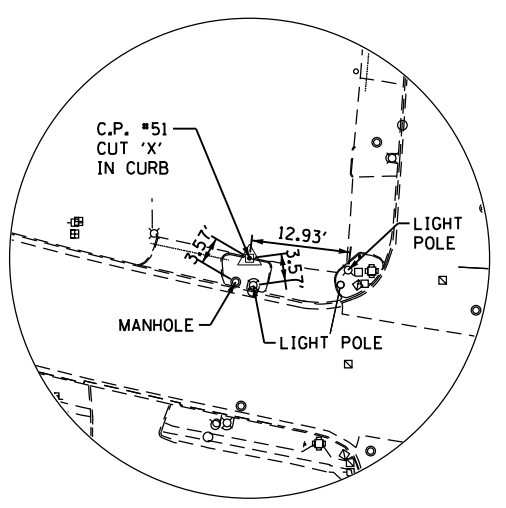
ALIGNMENT COORDINATES - BARTLETT ROAD			
STATION	N	E	
POB	600+00.00	1946123.4601	1024653.3507
PI	601+24.45	1946242.2743	1024690.3840
PC	601+90.08	1946304.6937	1024710.6554
PI	602+62.04	1946373.1298	1024732.8807
PT	603+33.59	1946436.3850	1024767.1771
PC	603+90.35	1946486.2849	1024794.2324
PI	604+91.84	1946575.5016	1024842.6048
PT	605+91.42	1946675.6640	1024868.9449
PI	607+66.01	1946847.9778	1024887.0555
PI	607+73.73	1946855.5945	1024888.2971
PI	614+61.34	1947534.1045	1024999.7734
PI	619+51.22	1948022.8558	1025033.0826
PI	621+99.94	1948271.0599	1025049.0067
POT	628+64.63	1948934.3331	1025092.4611



CONTROL POINT #45
 N: 1948400.995
 E: 1023002.117
 (1"=50')



CONTROL POINT #49
 N: 1947717.949
 E: 1024276.311
 (1"=50')



CONTROL POINT #51
 N: 1947599.731
 E: 1024901.701
 (1"=50')

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-A18.dgn
 FILE NAME: 190567.dwg
 PEN TABLE: 190567.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS			
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS
1321	10-00055-01-WR	COOK	148
SCALE: N.T.S.			SHEET 1 OF 1 SHEETS
ALIGNMENT, TIES AND BENCHMARKS			STA. TO STA.

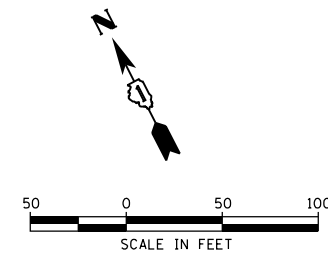
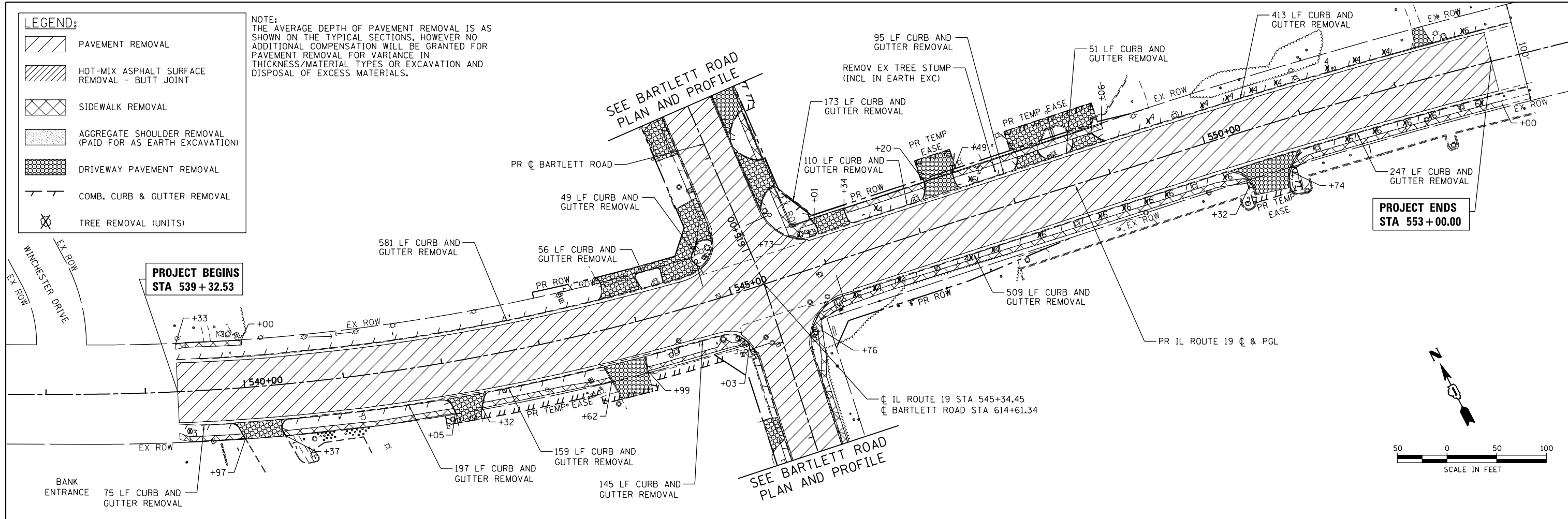
ALIGNMENT, TIES AND BENCHMARKS			
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS
1321	10-00055-01-WR	COOK	148
CONTRACT NO. 61H15			SHEET NO. 21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

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

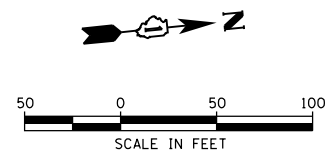
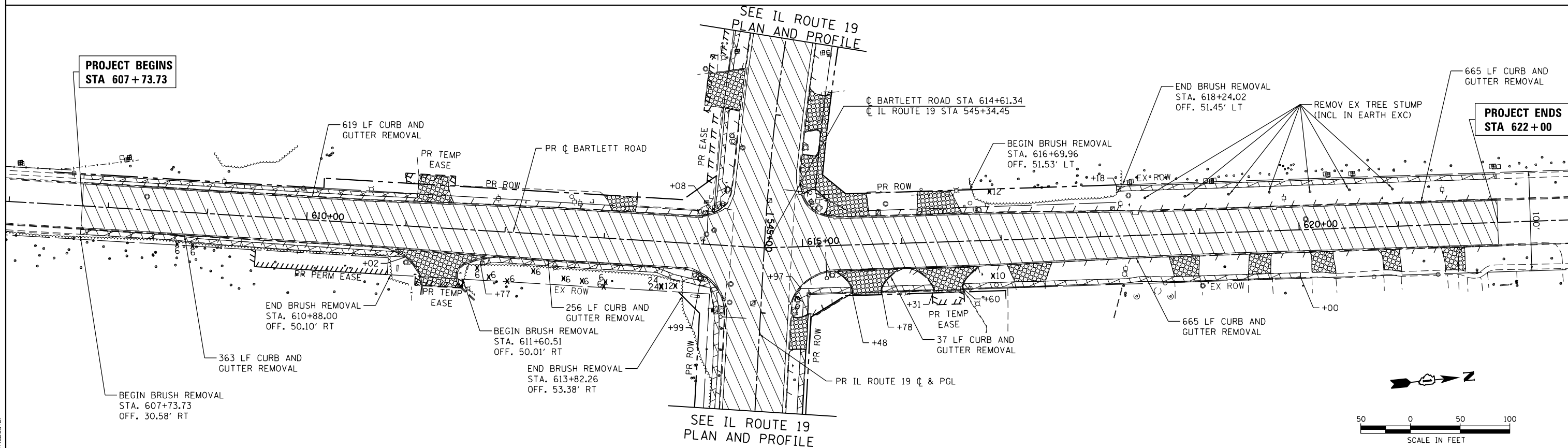
LEGEND:

	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	SIDEWALK REMOVAL
	AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
	DRIVEWAY PAVEMENT REMOVAL
	COMB. CURB & GUTTER REMOVAL
	TREE REMOVAL (UNITS)

NOTE:
THE AVERAGE DEPTH OF PAVEMENT REMOVAL IS AS SHOWN ON THE TYPICAL SECTIONS, HOWEVER NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR PAVEMENT REMOVAL FOR VARIANCE IN THICKNESS/MATERIAL TYPES OR EXCAVATION AND DISPOSAL OF EXCESS MATERIALS.



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



HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-r-rm-01.dgn
 FILE NAME: 190567-srt-r-rm-01.dgn
 PEN TABLE: 190567.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
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PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

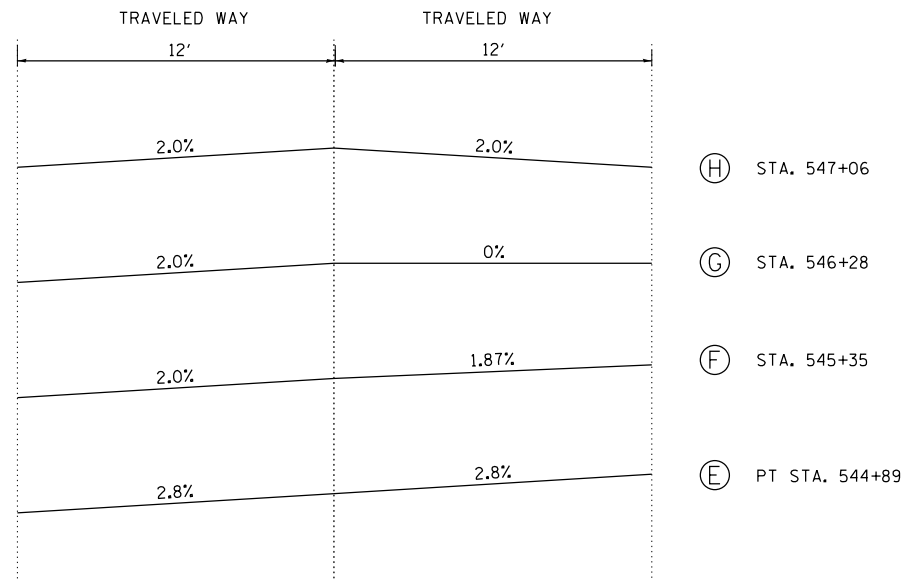
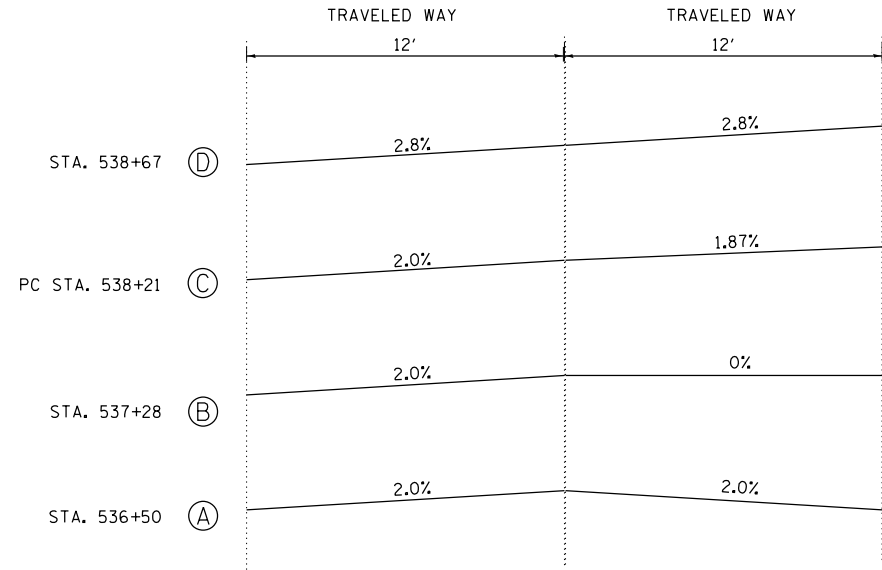
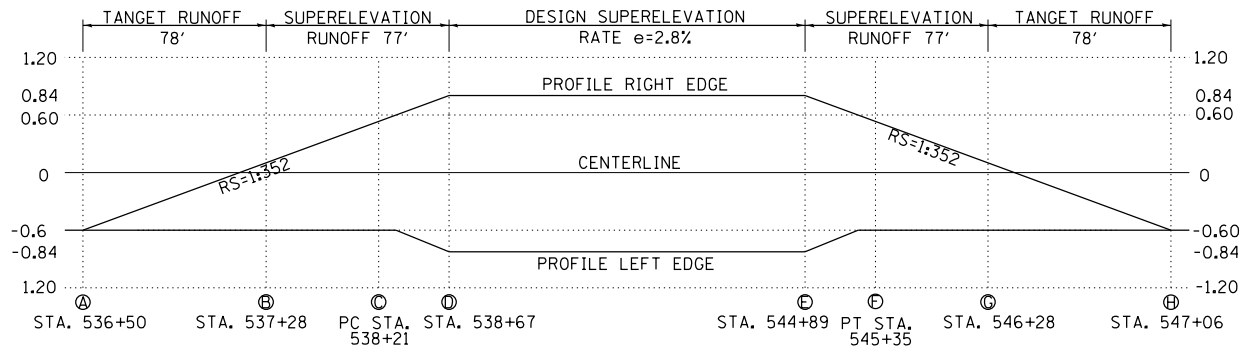
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN	
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD	
SCALE: 1"=50'	SHEET 1 OF 1 SHEETS
STA.	TO STA.

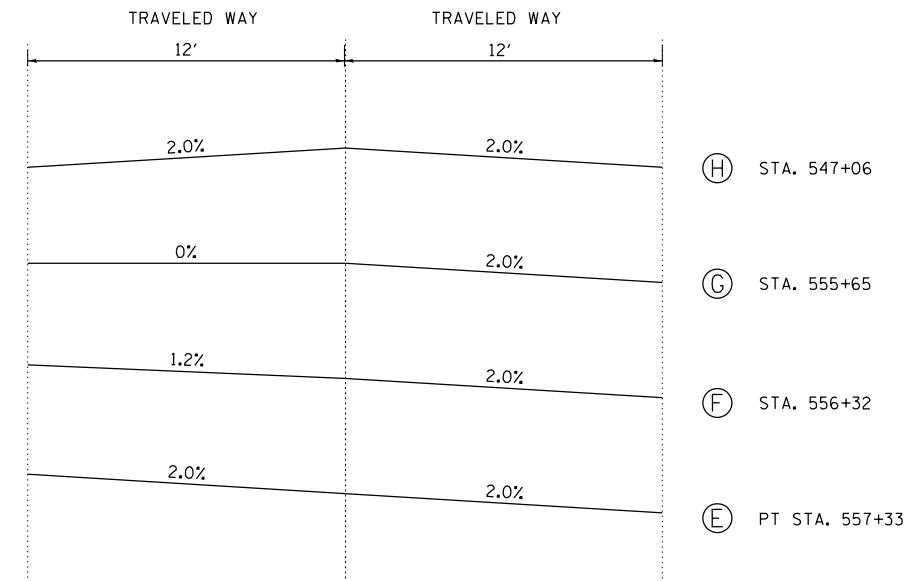
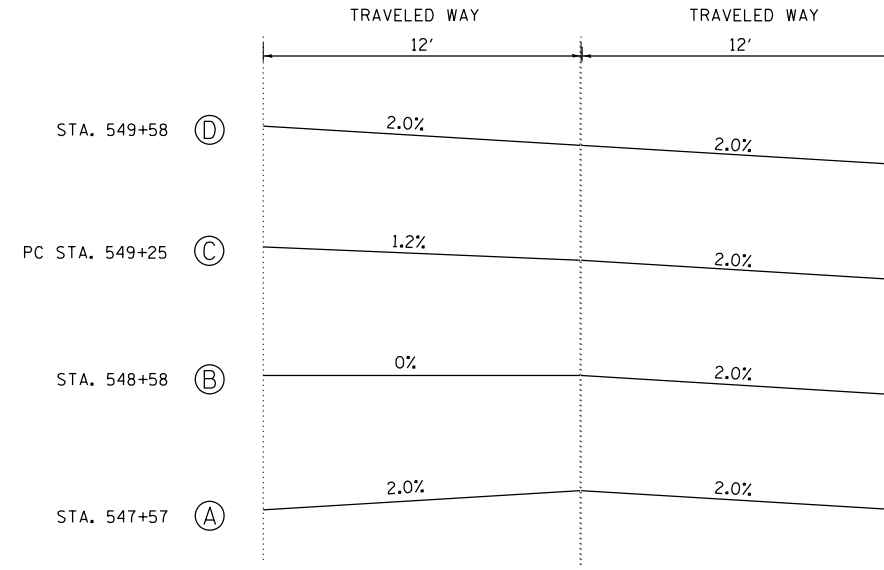
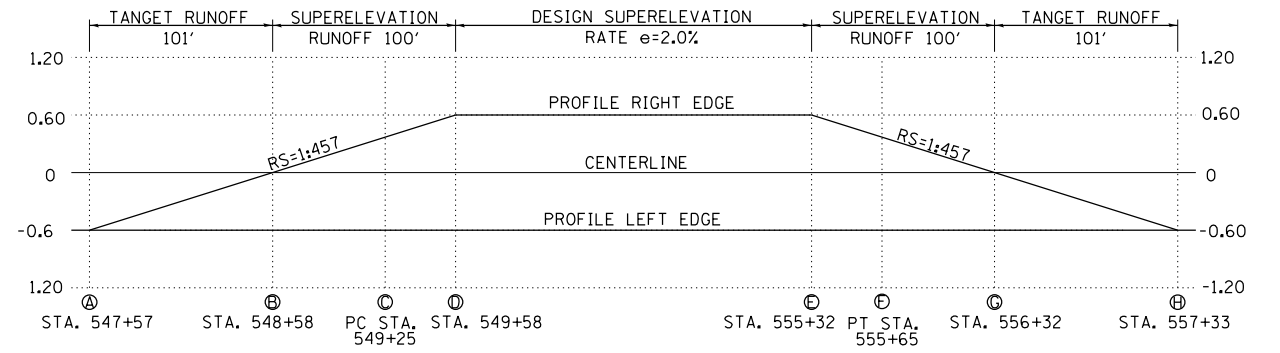
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	22
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	ALIGNED	
	CHECKED	
	FILED	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS CHKD	



CURVE
PR_IL19-2



CURVE
PR_IL19-3

IRVING PARK ROAD SUPERELEVATION DETAIL
AXIS OF ROTATION: ABOUT CENTERLINE

CURVE
PR_IL19-3

HRG PROJECT NO.: 190567
HRG PROJ. CONTACT: 190567-smt-superelevation-detail-01.dgn
FILE NUMBER: 190567-01-01-01
PEN TABLE:



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	DRAWN - DMS	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERELEVATION DETAILS
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	23
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

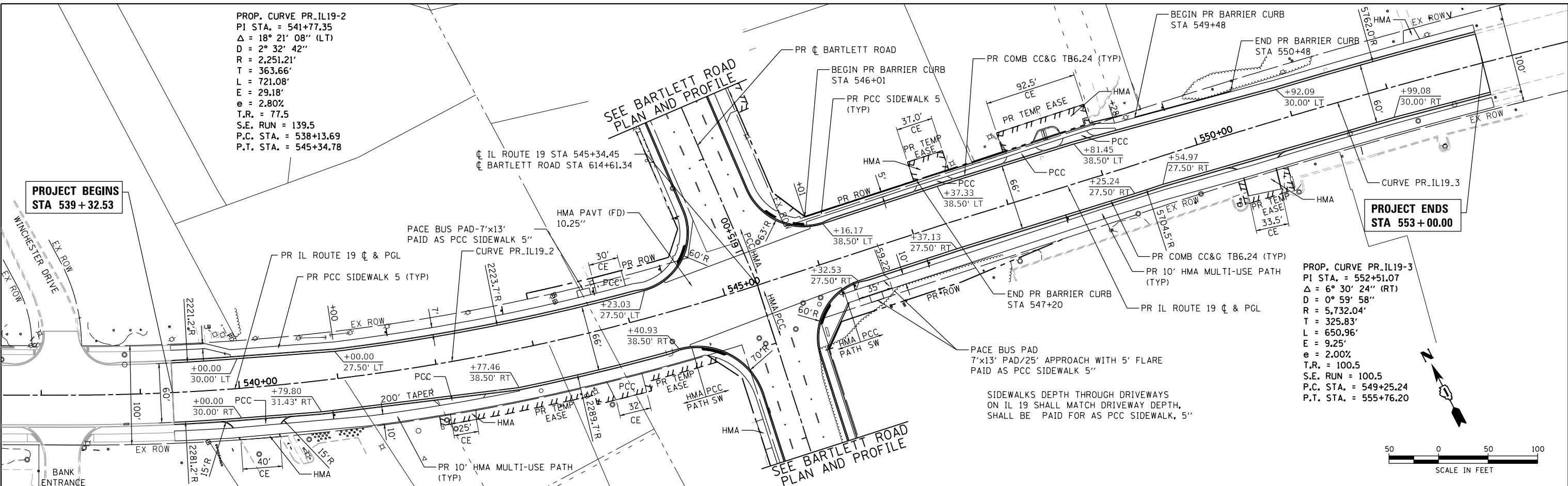
DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	CHECKED
	FILED
	NO.
	NO.

PROP. CURVE PR_IL19-2
 PI STA. = 541+77.35
 Δ = 18° 21' 08" (LT)
 D = 2° 32' 42"
 R = 2,251.21'
 T = 363.66'
 L = 721.08'
 E = 29.18'
 e = 2.80%
 $T.R.$ = 77.5
 $S.E. RUN$ = 139.5
 $P.C. STA.$ = 538+13.69
 $P.T. STA.$ = 545+34.78

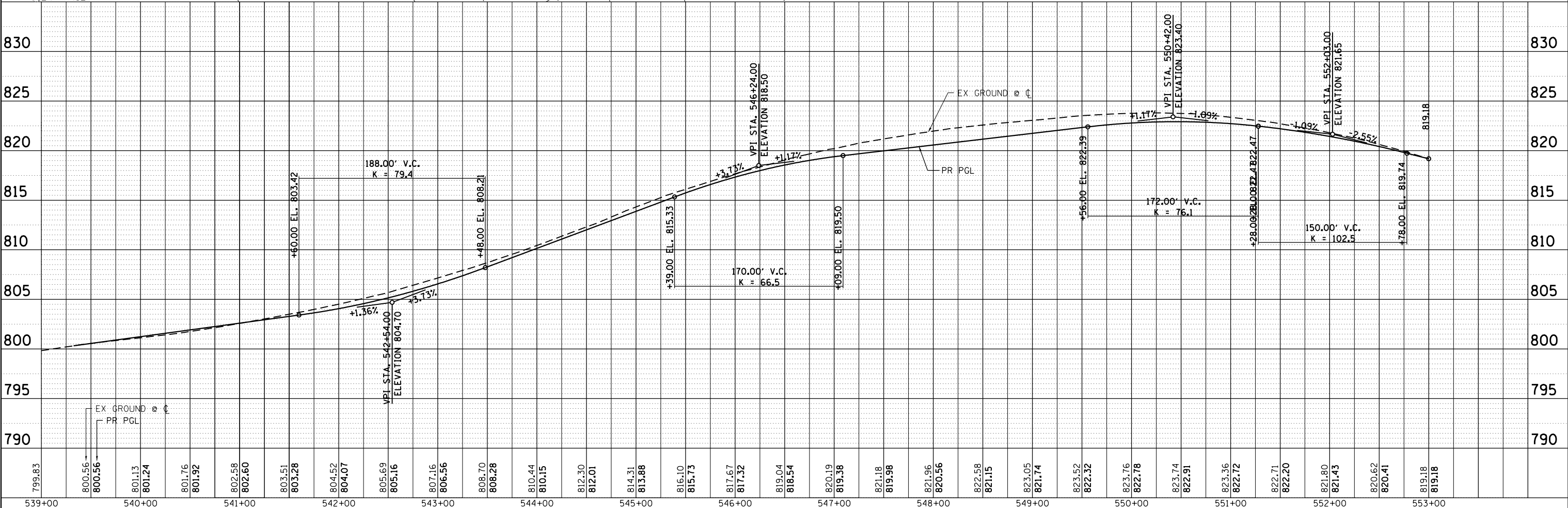
**PROJECT BEGINS
 STA 539+32.53**

**PROJECT ENDS
 STA 553+00.00**

PROP. CURVE PR_IL19-3
 PI STA. = 552+51.07
 Δ = 6° 30' 24" (RT)
 D = 0° 59' 58"
 R = 5,732.04'
 T = 325.83'
 L = 650.96'
 E = 9.25'
 e = 2.00%
 $T.R.$ = 100.5
 $S.E. RUN$ = 100.5
 $P.C. STA.$ = 549+25.24
 $P.T. STA.$ = 555+76.20



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



HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt+prp-01.dgn
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	DRAWN - DMS	REVISED -
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PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

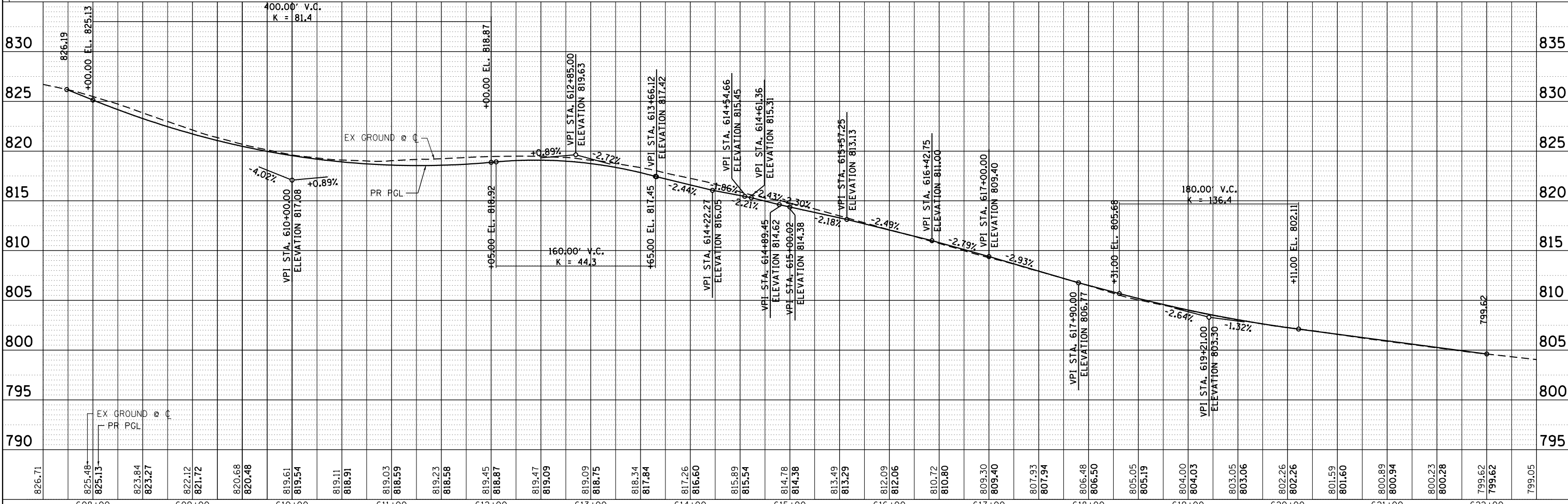
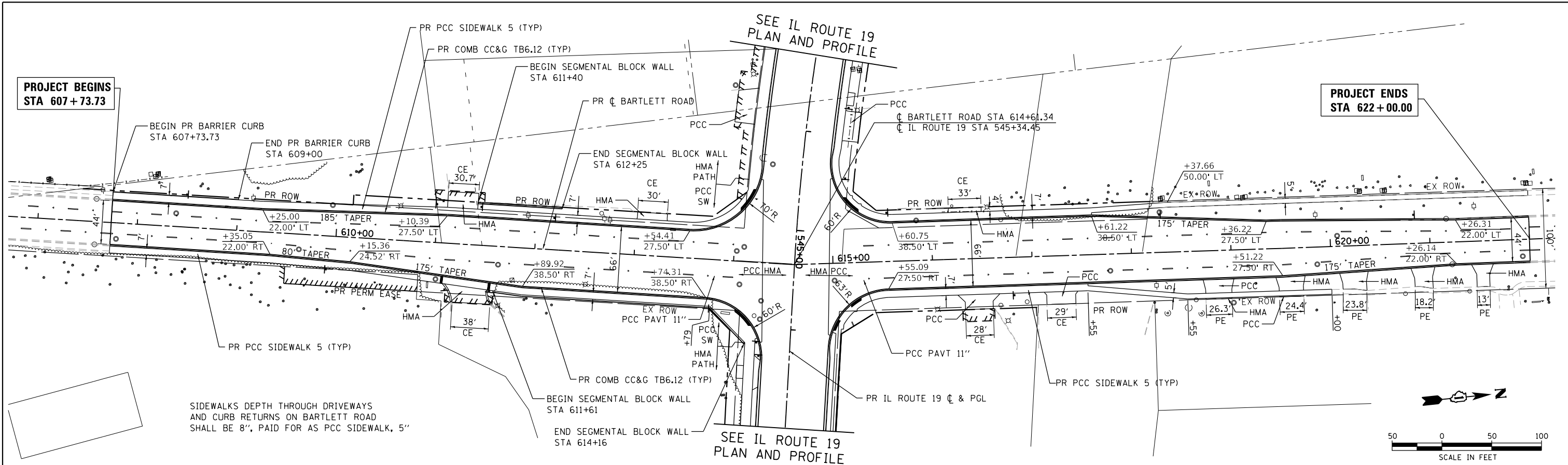
PLAN AND PROFILE IL RTE 19 (IRVING PARK RD)	
SCALE: 1"=50'	SHEET 1 OF 2 SHEETS
STA.	TO STA.

F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	24
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. / DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. / DATE	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt+prp-02.dgn
 FILE NAME: 190567-srt+prp-02.dgn
 PEN TABLE: pen.tbl



826.71	825.48	825.13	823.84	823.27	822.12	821.72	820.68	820.48	819.61	819.54	819.11	818.91	819.03	818.59	819.23	818.58	819.45	818.87	819.47	819.09	819.09	818.75	818.34	817.84	817.26	816.60	815.89	815.54	814.78	814.38	813.49	813.29	812.09	812.06	810.72	810.80	809.30	809.40	807.93	807.94	806.48	806.50	805.05	805.19	804.00	804.03	803.05	803.06	802.26	802.26	801.59	801.60	800.89	800.94	800.23	800.28	799.62	799.62	799.05
608+00	609+00	610+00	611+00	612+00	613+00	614+00	615+00	616+00	617+00	618+00	619+00	620+00	621+00	622+00																																													

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 HRGreen.com
 Micro Professional Design Firm
 #184-001322

USER NAME =	dstancz
DESIGNED =	JRM
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CHECKED =	
DATE =	8/18/2021

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REVISED =	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
BARTLETT RD
 SCALE: 1"=50'
 SHEET 2 OF 2 SHEETS
 STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	25
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15		

SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE TRAFFIC CONTROL PLAN SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
3. 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.
4. A MINIMUM OF ONE (1) ELEVEN FOOT (11') LANE IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES. A MINIMUM OF ONE (1) FIFTEEN FOOT (15') LANE WILL BE OPEN AT ALL TIMES ON IL RTE 19.
5. THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR THE COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK WILL BE PAID FOR PER DISTRICT ONE DETAILED TC-26. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES AND TEMPORARY ROADS WITHIN THE PROJECT LIMITS. THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY ACCESS (PRIVATE ENTRANCE) OR TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
6. A TEMPORARY HOT MIX ASPHALT RAMP WEDGE TO TRANSITION THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION SHALL BE INSTALLED 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 BITUMINOUS RAMP WEDGE OR OTHER MITIGATING MEASURES APPROVED BY THE ENGINEER. THE RAMP WEDGE WILL BE PAID FOR AS TEMPORARY PAVEMENT (VARIABLE DEPTH).
7. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGES IN STAGING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.
9. TEMPORARY SIGNING, AS SHOWN, SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE SPECIAL PROVISIONS AND CONTRACT PLANS OR AS DIRECTED BY THE ENGINEER.
10. ALL "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS.
11. ALL STATE ROUTE MARKERS SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT ALL STAGES OF CONSTRUCTION.
12. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY THIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
13. TRAFFIC CONTROL DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS IS THE MINIMUM REQUIREMENT. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.
14. THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATIVE ARRANGEMENT.
15. TYPE 1, TYPE II OR DRUM BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
16. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
17. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
19. ANY SAW CUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "PAVEMENT REMOVAL".
20. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
21. 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.
22. A DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE WITH A "SIDEWALK CLOSED" SIGN AFFIXED, SHALL BE PLACED ON ALL SIDEWALKS CLOSED DUE TO CONSTRUCTION ACTIVITIES AS SHOWN IN STDS. 701801 & 701901.
23. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL-GRINDING" WITHIN THE PROJECT LIMITS AND "PAVEMENT MARKING REMOVAL-WATER BLASTING" OUTSIDE THE PROJECT LIMITS.
24. FOR TRAFFIC STAGING, PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON ALL FINAL PAVEMENT SURFACES AND EXISTING PAVEMENT TO REMAIN. MODIFIED URETHANE SHALL PAVEMENT MARKINGS SHALL BE USED ON TEMPORARY PAVEMENT OR EXISTING PAVEMENT THAT IS TO BE REMOVED.
25. ALL MODIFIED URETHANE PAVEMENT MARKINGS USED FOR STAGING SHALL BE REMOVED VIA WATER BLASTING WITH VACUUM RECOVERY ON FINAL PAVEMENT SURFACES, AND VIA GRINDING ON EXISTING OR TEMPORARY PAVEMENT SURFACES THAT ARE TO BE REMOVED. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL".
26. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
27. WORK SPEED ZONE SPEED LIMIT SIGNS SHALL BE LOCATED APPROXIMATELY 500' FROM THE START OF THE WORK ZONE.

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		

HRG PROJECT NO.: 190567
 HRG PROJ CONTACT: 190567-srt-mot@hr-green.com
 FILE NAME: 190567-srt-mot@hr-green.com
 PEN TABLE:



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
GENERAL NOTES AND TYPICAL SECTIONS**

SCALE: N.T.S. SHEET 1 OF 14 SHEETS STA. TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	26
CONTRACT NO.			61H15	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**SUGGESTED MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING
SEQUENCE OF CONSTRUCTION**

PRE-STAGE - CONSTRUCTION (TO BEGIN NO SOONER THAN MARCH 1, 2022)

INSTALL TEMPORARY SIGNALS AT THE INTERSECTION OF IL 19 (IRVING PARK ROAD) AT BARTLETT ROAD.

REMOVE EXISTING PAVEMENT AND CURB AND GUTTER ALONG THE NORTH APPROACH OF BARTLETT ROAD FROM STATION 614+89 TO STATION 615+61. CONSTRUCT A PORTION OF THE EXCLUSIVE RIGHT TURN LANE TO STATION 615+60.

CONSTRUCT TEMPORARY PAVEMENT AT THE SOUTHWEST CORNER OF THE INTERSECTION OF IL 19 (IRVING PARK ROAD) AT BARTLETT ROAD.

PRE-STAGE - SUGGESTED MAINTENANCE OF TRAFFIC

INSTALL ARTERIAL ROAD INFORMATION SIGNING PER DISTRICT 1 DETAIL TC-22 A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION.

PAVEMENT REMOVAL AND TEMPORARY PAVEMENT INSTALLATIONS ON THE EAST SIDE OF BARTLETT ROAD UTILIZE HIGHWAY STANDARD 701602-10 "URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE".

STAGE 1 - CONSTRUCTION IL 19 (IRVING PARK ROAD)/BARTLETT ROAD

CONSTRUCT WESTBOUND TWO (2) THROUGH LANES, WESTBOUND TO NORTHBOUND RIGHT TURN LANE AND A PORTION OF THE LEFT TURN LANE/MEDIAN OF IL 19 (IRVING PARK ROAD).

CONSTRUCT NORTHBOUND TWO (2) THROUGH LANES, NORTHBOUND TO EASTBOUND RIGHT TURN LANE AND A PORTION OF THE SOUTHBOUND TO EASTBOUND LEFT TURN LANE OF BARTLETT ROAD. INSTALL TEMPORARY PAVEMENT ALONG THE NORTHBOUND LANE AS SHOWN ON THE STAGE 1 SUGGESTED MAINTENANCE OF TRAFFIC PLAN.

CONSTRUCT TEMPORARY PAVEMENT AT THE NORTHWEST AND NORTHEAST QUADRANT OF THE INTERSECTION AS SHOWN ON THE PLANS.

CONSTRUCT SEGMENTAL BLOCK RETAINING WALL ALONG THE EAST SIDE OF BARTLETT ROAD.

PERFORM STORM SEWER INSTALLATION.

PERFORM WATER MAIN CONSTRUCTION.

STAGE 1 - SUGGESTED MAINTENANCE OF TRAFFIC

INSTALL LANE CLOSURE ADVANCE SIGNING ACCORDING TO THE PLANS.

INSTALL LEFT TURN TRAFFIC DETOUR SIGNAGE FOR WINCHESTER DRIVE.

COVER AND REMOVE PERMANENT SIGNS AS NEEDED FOR STAGE 1 CONSTRUCTION.

REMOVE ALL CONFLICTING RAISED REFLECTIVE PAVEMENT MARKERS WITHIN THE PROJECT LIMITS.

REMOVAL ALL CONFLICTING PAVEMENT MARKINGS ALONG IL 19 (IRVING PARK ROAD) AND BARTLETT ROAD AND INSTALL TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL FOR LANE DROPS ACCORDING TO HIGHWAY STANDARD 701601.

INSTALL ALL TEMPORARY PAVEMENT MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 1 CONSTRUCTION, SHIFT TRAFFIC.

STAGE 2 - CONSTRUCTION OF IL 19 (IRVING PARK ROAD)/BARTLETT ROAD

CONSTRUCT LEFT TURN LANES/MEDIAN ALONG ALL FOUR APPROACHES AND SOUTHEAST CORNER AS SHOWN ON STAGE 2 SUGGESTED MAINTENANCE OF TRAFFIC PLAN.

CONTINUE STORM SEWER INSTALLATION.

CONTINUE WATER MAIN CONSTRUCTION.

STAGE 2 - SUGGESTED MAINTENANCE OF TRAFFIC

INSTALL DETOUR FOR LEFT TURNING TRAFFIC ALONG IL 19 AND BARTLETT ROAD.

INSTALL LANE CLOSURE ADVANCE SIGNING ACCORDING TO THE PLANS.

COVER AND REMOVE PERMANENT SIGNS AS NEEDED FOR STAGE 2 CONSTRUCTION.

REMOVE ALL CONFLICTING RAISED REFLECTIVE PAVEMENT MARKERS WITHIN THE PROJECT LIMITS.

REMOVAL ALL CONFLICTING PAVEMENT MARKINGS ALONG IL 19 (IRVING PARK ROAD) AND BARTLETT ROAD AND INSTALL TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL FOR LANE DROPS ACCORDING TO HIGHWAY STANDARD 701601.

INSTALL ALL TEMPORARY PAVEMENT MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 2 CONSTRUCTION, SHIFT TRAFFIC.

STAGE 2a AND 2b - CONSTRUCTION OF IL 19 (IRVING PARK ROAD)/BARTLETT ROAD

CONTINUE WATER MAIN CONSTRUCTION.

CONSTRUCT PAVEMENT WITHIN THE INTERSECTION.

STAGE 2a AND 2b - SUGGESTED MAINTENANCE OF TRAFFIC

MAINTAIN DETOUR FOR LEFT TURNING TRAFFIC ALONG IL 19 AND BARTLETT ROAD.

MAINTAIN TRAFFIC CONTROL ALONG IL 19 AND INSTALL LANE CLOSURE ADVANCE SIGNING ACCORDING TO THE PLANS FOR BARTLETT ROAD.

COVER AND REMOVE PERMANENT SIGNS AS NEEDED FOR STAGE 2a CONSTRUCTION.

REMOVAL ALL CONFLICTING PAVEMENT MARKINGS ALONG BARTLETT ROAD AND INSTALL TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL FOR LANE DROPS ACCORDING TO HIGHWAY STANDARD 701601.

INSTALL ALL TEMPORARY PAVEMENT MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 2a CONSTRUCTION, SHIFT TRAFFIC.

STAGE 3 - CONSTRUCTION OF IL 19 (IRVING PARK ROAD)/BARTLETT ROAD

REMOVE TEMPORARY PAVEMENT WHICH IS LOCATED WITHIN STAGE 2b CONSTRUCTION ZONE.

CONSTRUCT EASTBOUND TWO (2) THROUGH LANES, EASTBOUND TO SOUTHBOUND RIGHT TURN LANE OF IL 19 (IRVING PARK ROAD).

CONSTRUCT SOUTHBOUND TWO (2) THROUGH LANES OF BARTLETT ROAD. INSTALL TEMPORARY PAVEMENT ALONG THE NORTHBOUND LANE AS SHOWN ON THE STAGE 1 SUGGESTED MAINTENANCE OF TRAFFIC PLAN.

CONTINUE STORM SEWER INSTALLATION.

CONTINUE WATER MAIN CONSTRUCTION.

STAGE 3 - SUGGESTED MAINTENANCE OF TRAFFIC

INSTALL LEFT TURN TRAFFIC DETOUR SIGNAGE FOR WINCHESTER DRIVE.

INSTALL LANE CLOSURE ADVANCE SIGNING ACCORDING TO THE PLANS.

COVER AND REMOVE PERMANENT SIGNS AS NEEDED FOR STAGE 3 CONSTRUCTION.

REMOVE ALL CONFLICTING RAISED REFLECTIVE PAVEMENT MARKERS WITHIN THE PROJECT LIMITS.

REMOVAL ALL CONFLICTING PAVEMENT MARKINGS ALONG IL 19 (IRVING PARK ROAD) AND BARTLETT ROAD AND INSTALL TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL FOR LANE DROPS ACCORDING TO HIGHWAY STANDARD 701601.

INSTALL ALL TEMPORARY PAVEMENT MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 3 CONSTRUCTION, SHIFT TRAFFIC.

PLACE TOPSOIL, SEED, SOD AND ALL OTHER RESTORATION ITEMS.

COMPLETE REMAINING CONSTRUCTION, CLEAN -UP AND PUNCH LIST.

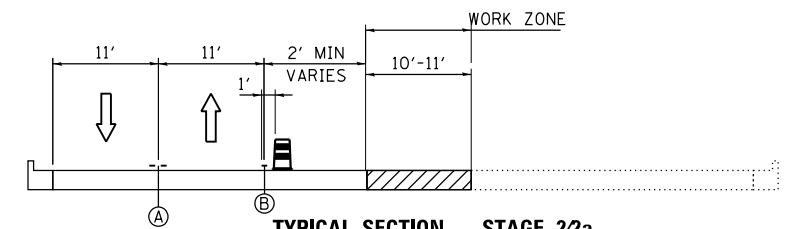
END CONSTRUCTION

RE-ESTABLISH PERMANENT PAVEMENT MARKING, RAISED REFLECTIVE PAVEMENT MARKERS AND RECESSED REFLECTION PAVEMENT MARKERS AND RECESSED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT 1 DETAILS AND COOK COUNTY DETAILS UTILIZING LANE CLOSURES.

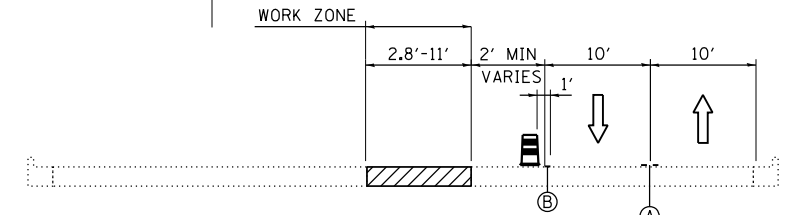
REPLACE LENSES ON RAISED REFLECTIVE PAVEMENT MARKERS WHERE TEMPORARILY REMOVED. SHIFT TRAFFIC.

REMOVAL ALL CONSTRUCTION SIGNING AND TRAFFIC CONTROL MEASURES.

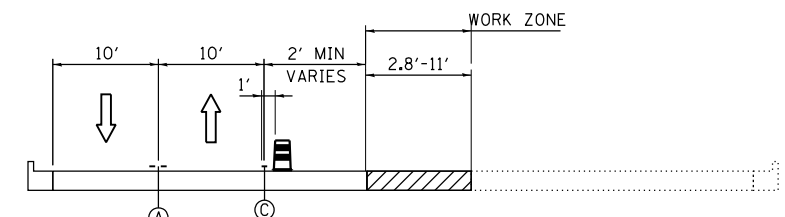
UNCOVER ALL PERMANENT SIGNS.



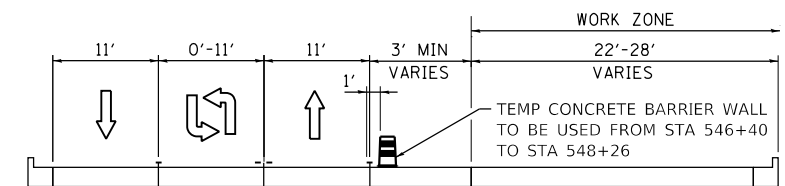
**TYPICAL SECTION - STAGE 22a
IL 19**
STA. 542+13.93 TO STA. 547+87.75



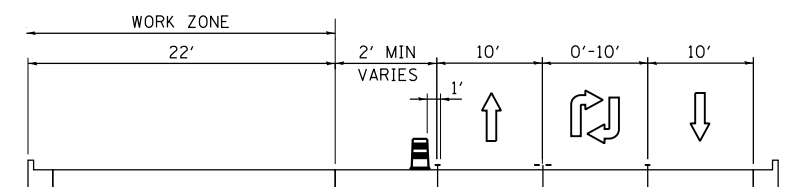
**TYPICAL SECTION - STAGE 2
BARTLETT ROAD**
STA. 616+9.09 TO STA. 620+80.09



**TYPICAL SECTION - STAGE 2a
BARTLETT ROAD**
STA. 614+14.41 TO STA. 614+67

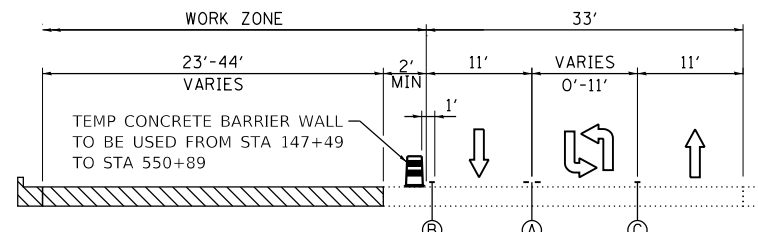


**TYPICAL SECTION - STAGE 3
IL 19**
STA. 504+91.58 TO STA. 553.00

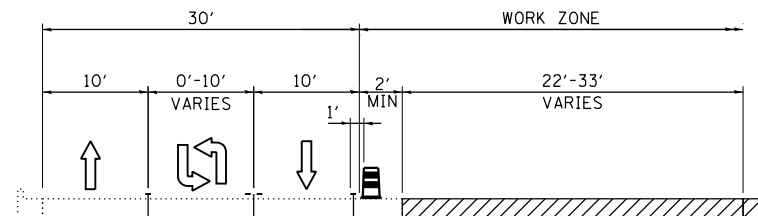


**TYPICAL SECTION - STAGE 3
BARTLETT ROAD**
STA. 607+73.4 TO STA. 622+00

- (A) 4" DOUBLE YELLOW @ 11" C-C PAVEMENT MARKING
- (B) 4" SOLID WHITE PAVEMENT MARKING
- (C) 6" SOLID WHITE PAVEMENT MARKING



**TYPICAL SECTION - STAGE 1
IL 19**
STA. 504+91.58 TO STA. 553.00



**TYPICAL SECTION - STAGE 1
BARTLETT ROAD**
STA. 607+73.4 TO STA. 622+00

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILED
	NO.

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

HRG PROJECT NO.: 190567
HRG PROJ. CONTACT: 190567-srt-mot@hr-g.com
FILE NUMBER: 190567-01-01
PEN TABLE: 190567-01-01



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
SEQUENCE OF CONSTRUCTION**

SCALE: N.T.S. SHEET 2 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	27
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15		

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

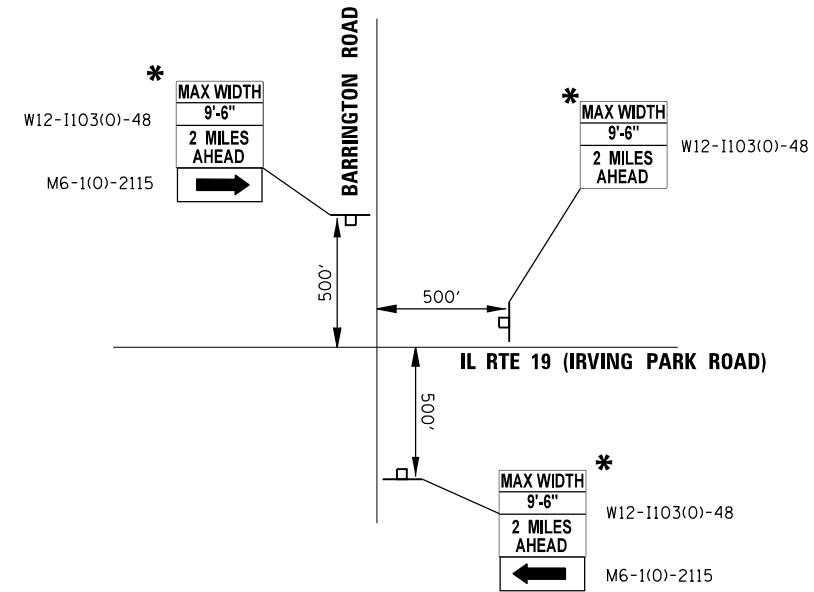
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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smt-detour-04.dgn
 FILE NAME: 190567-smt-detour-04.dgn
 PEN TABLE: pen.tbl

DETOUR GENERAL NOTES

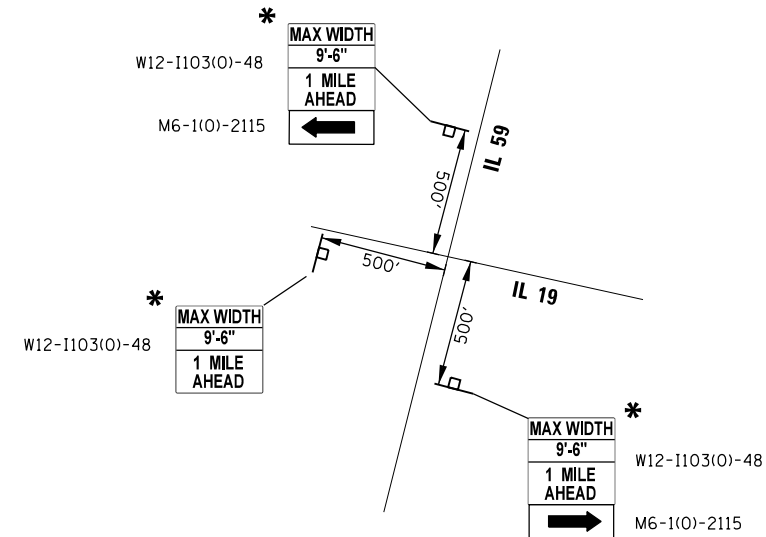
1. THE LEFT TURNING MOVEMENTS SHALL NOT BE RESTRICTED UNTIL ALL SIGNING HAS BEEN ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND APPROVED BY THE ENGINEER.
2. THE ENGINEER, COOK COUNTY DEPARTMENT OF TRANSPORTATION, VILLAGE OF STREAMWOOD EMERGENCY SERVICES, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE VILLAGE OF STREAMWOOD SHALL BE NOTIFIED IN WRITING AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
3. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," AND AS DIRECTED BY THE ENGINEER.
4. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL CONFORM TO "CONVENTIONAL ROAD" AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE.
5. ALL WORK REQUIRED FOR SIGNAGE SHALL BE PAID AS "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)". ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
6. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, THE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION WITH NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE, (INCLUDING 24-HR EMERGENCY NUMBER) AND HIS REPRESENTATIVES SHALL BE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING.
8. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WITH THE DETOUR IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
9. ALL DETOUR SIGNING SHALL BE POST MOUNTED.
10. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR IN LIKE-NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNS, INCLUDING CUTTING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER, AND SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
12. THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS BEFORE THE ROAD IS TO BE REOPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.

WIDTH RESTRICTION FOR EB/WB IL19 TRAFFIC



- MAX WIDTH SIGNS ARE ONLY WARRANTED TO BE INSTALLED FOR IL 19.

WIDTH RESTRICTION FOR EB IL19 TRAFFIC



* MAX WIDTH SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF MAINT. OF TRAFFIC - STAGE 3



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
DETOUR NOTES**

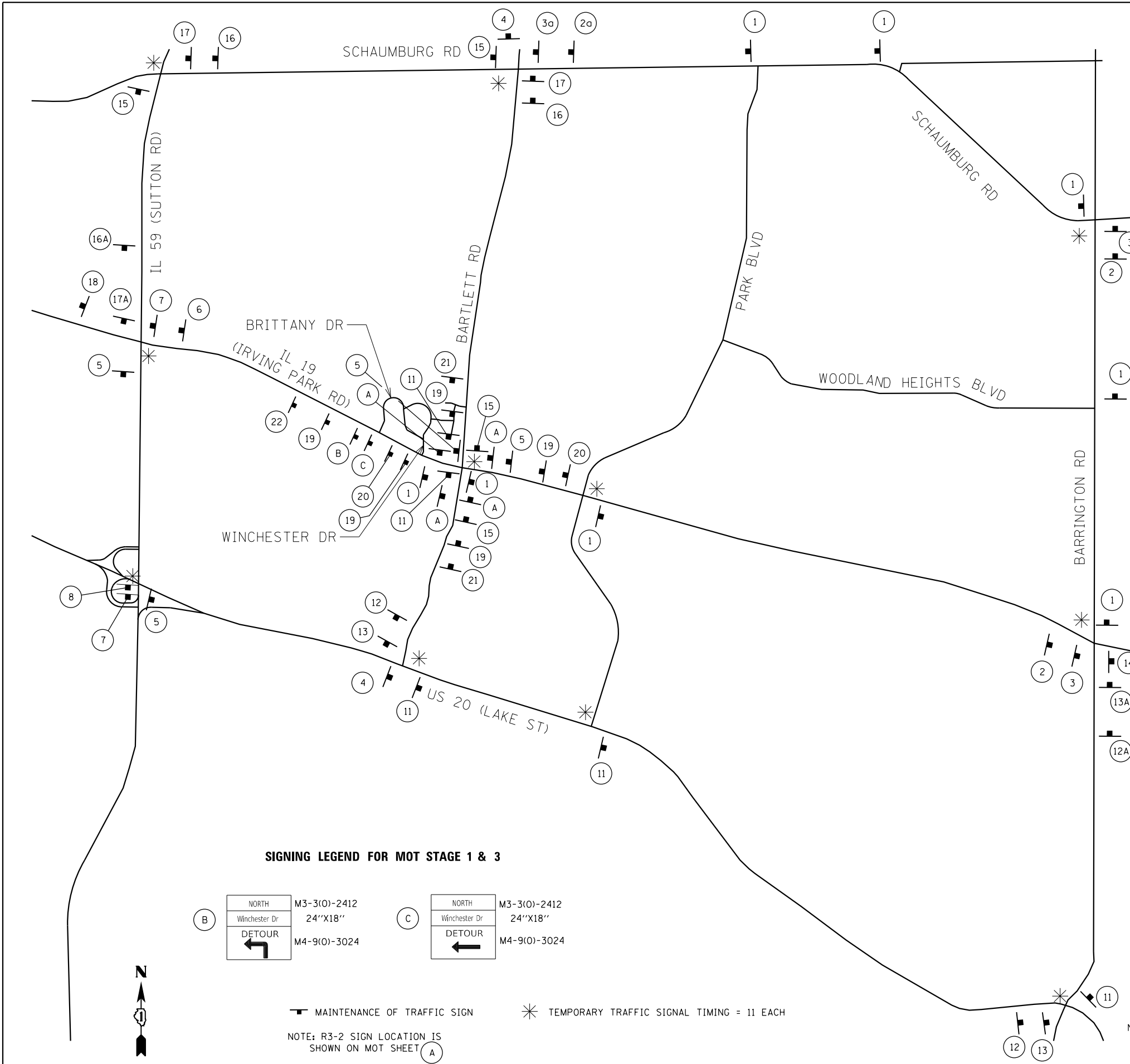
SCALE: N.T.S. SHEET 3 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	28
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

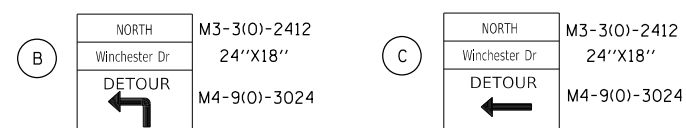
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NOTE BOOK	PLOTTED	BY
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PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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 HRG PROJ. CONTACT: 190567-smt-detour-02.dgn
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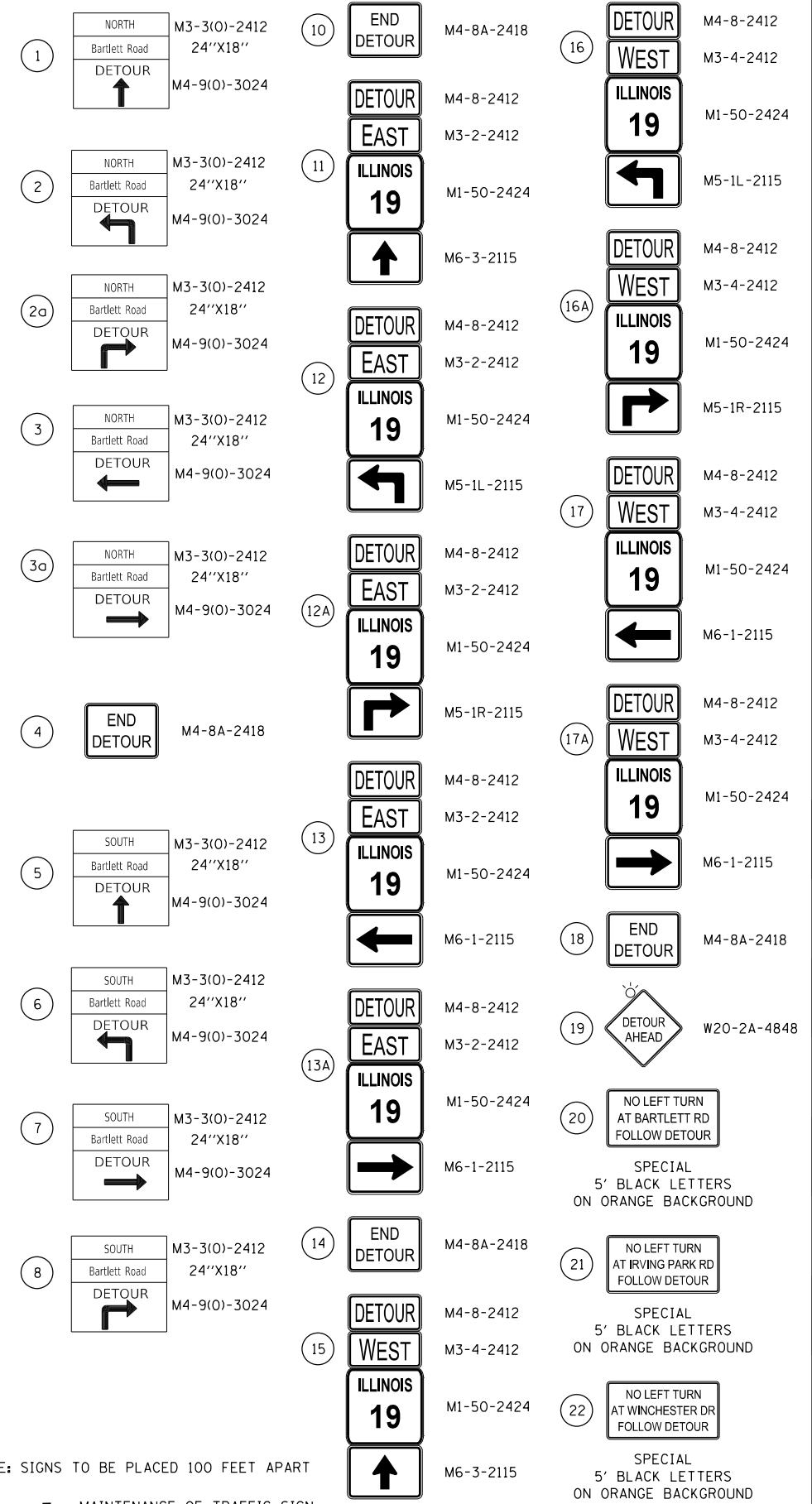


SIGNING LEGEND FOR MOT STAGE 1 & 3



MAINTENANCE OF TRAFFIC SIGN (square symbol)
 TEMPORARY TRAFFIC SIGNAL TIMING = 11 EACH (asterisk symbol)
 NOTE: R3-2 SIGN LOCATION IS SHOWN ON MOT SHEET (A)

SIGNING LEGEND FOR MOT STAGE 2, 2a & 2b



NOTE: SIGNS TO BE PLACED 100 FEET APART
 MAINTENANCE OF TRAFFIC SIGN (square symbol)



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT SCALE = 1600.0000' / in.		
PLOT DATE = 8/18/2021		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

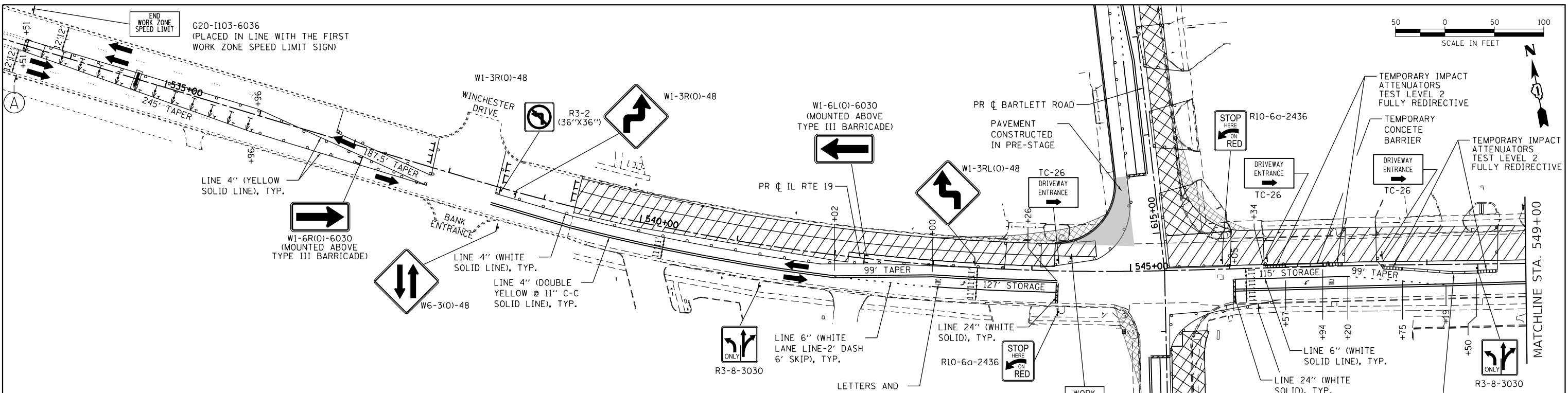
MAINTENANCE OF TRAFFIC DETOUR PLAN	
SCALE: N.T.S.	SHEET 4 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15	

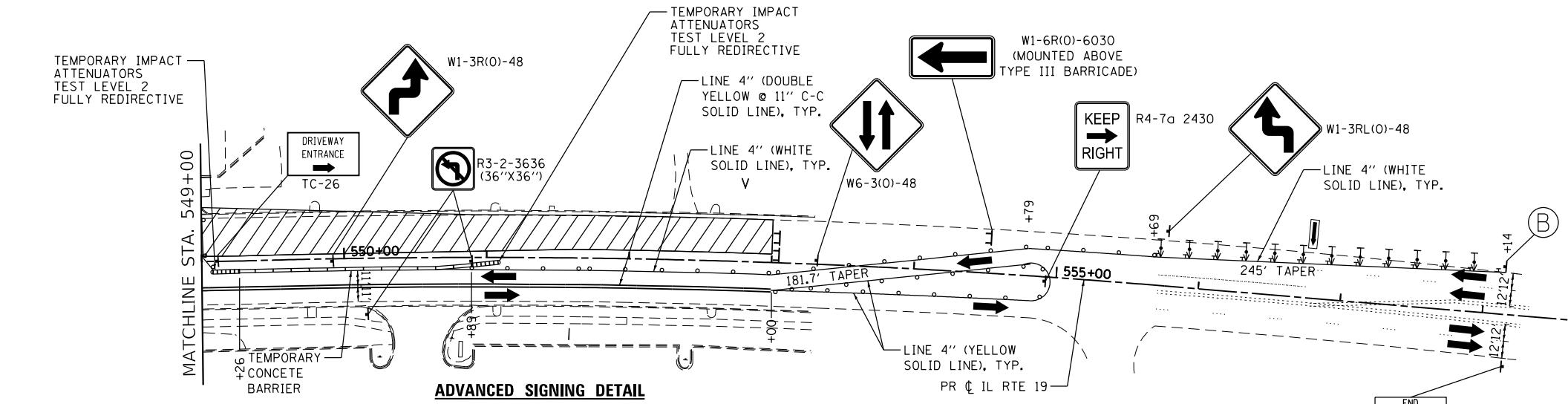
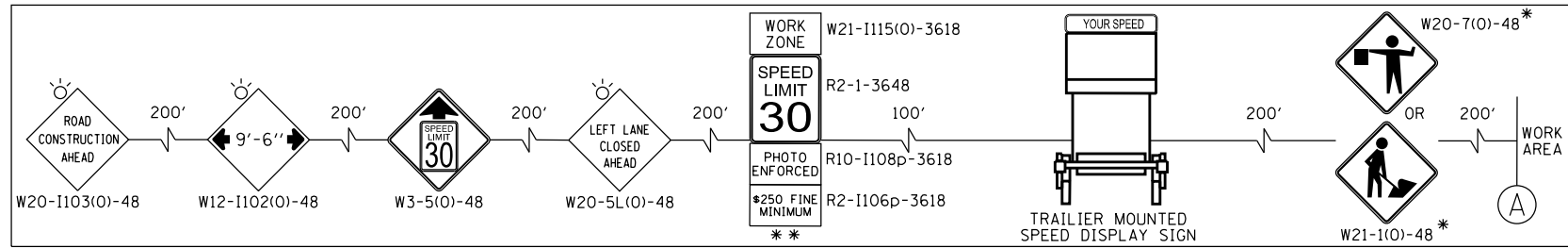
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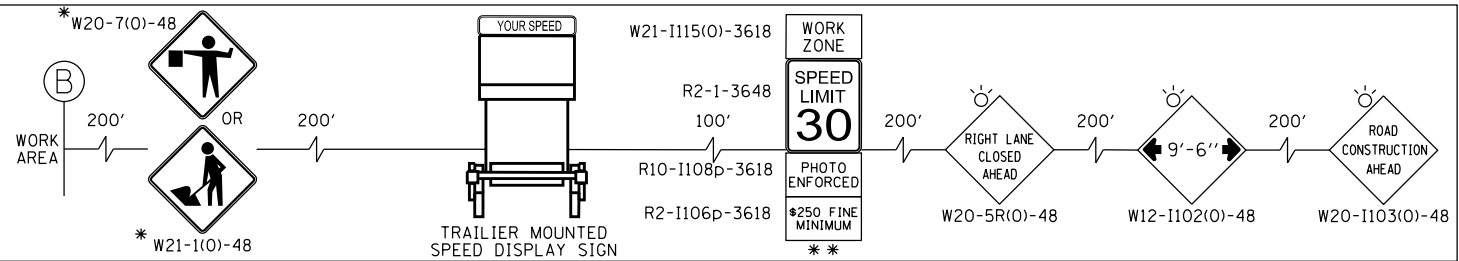
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 HRG PROJ. CONTACT: 190567-277-mr@hr-green.com
 FILE NAME: 190567-277-190567.dgn
 PEN TABLE: pen.tbl



ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 •• PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- WORK ZONE (PCC PAVEMENT)
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPER, AND 10' IN RADIUS.
- DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C



USER NAME	= dstancz	DESIGNED	- JRM	REVISED	-
		DRAWN	- DMS	REVISED	-
		CHECKED	-	REVISED	-
		DATE	-	REVISED	-
PLOT SCALE	= 100.0000' / in.				
PLOT DATE	= 8/18/2021				

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

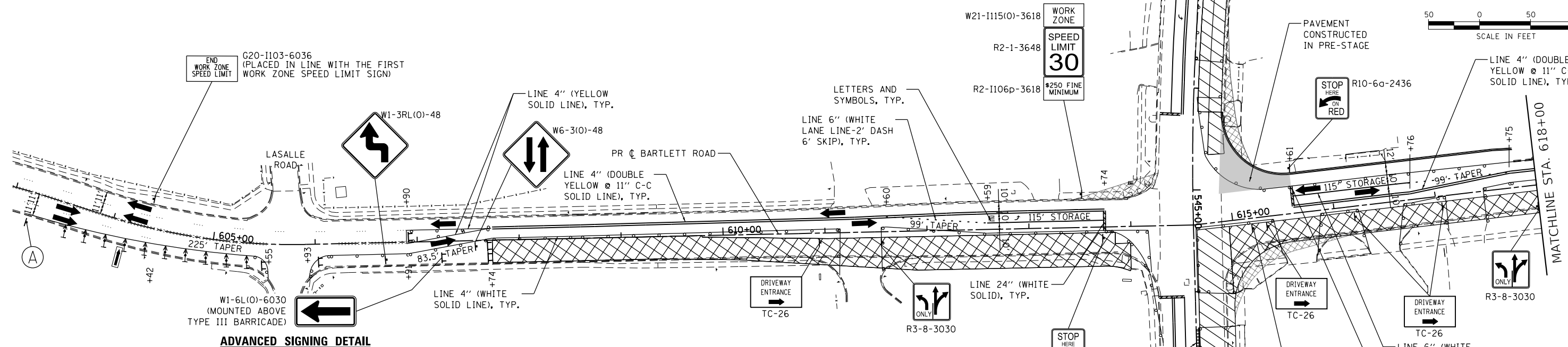
**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 IL RTE 19 (IRVING PARK RD)**
 SCALE: 1"=50' SHEET 5 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	30
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.			61H15	

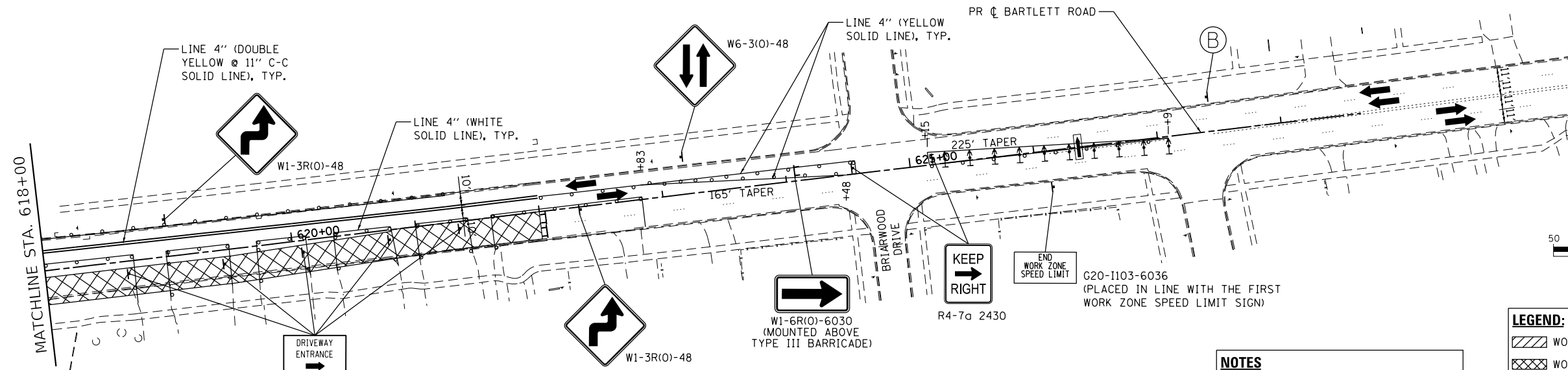
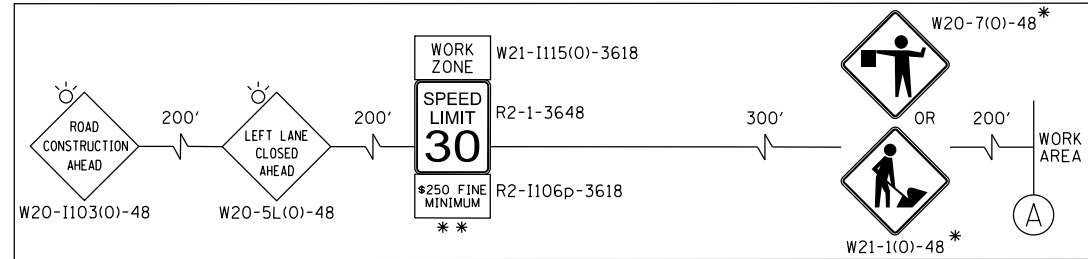
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	NO. _____

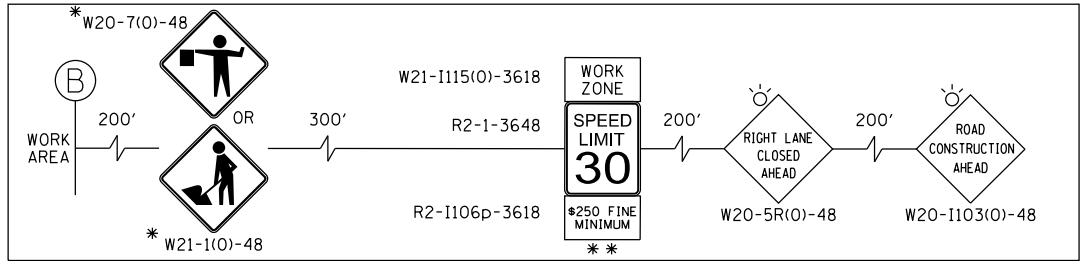
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 PEN TABLE: pcc.tbl



ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 • PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

- [Hatched Box] WORK ZONE (HMA PAVEMENT)
- [Cross-hatched Box] WORK ZONE (PCC PAVEMENT)
- [Dotted Box] TEMPORARY PAVEMENT
- [Arrow] DIRECTION OF TRAFFIC
- [Flashing Arrow] FLASHING ARROW BOARD
- [Barricade Symbol] TYPE III BARRICADE
- [Sign Symbol] MAINTENANCE OF TRAFFIC SIGN
- [Drum Symbol] TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.
- [Arrow with Burn Light] DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C



USER NAME	= dstancz	DESIGNED	- JRM	REVISED	-
		DRAWN	- DMS	REVISED	-
		CHECKED	-	REVISED	-
		DATE	-	REVISED	-
PLOT SCALE	= 100.0000' / in.				
PLOT DATE	= 8/18/2021				

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

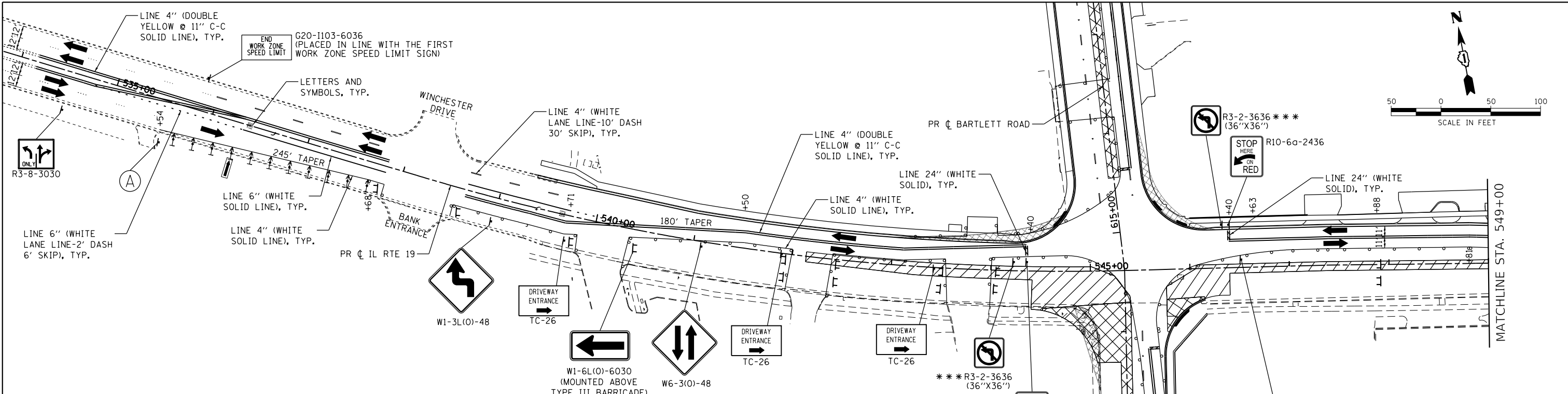
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 BARTLETT RD
 SCALE: 1"=50' SHEET 6 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	31
CONTRACT NO.			61H15	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

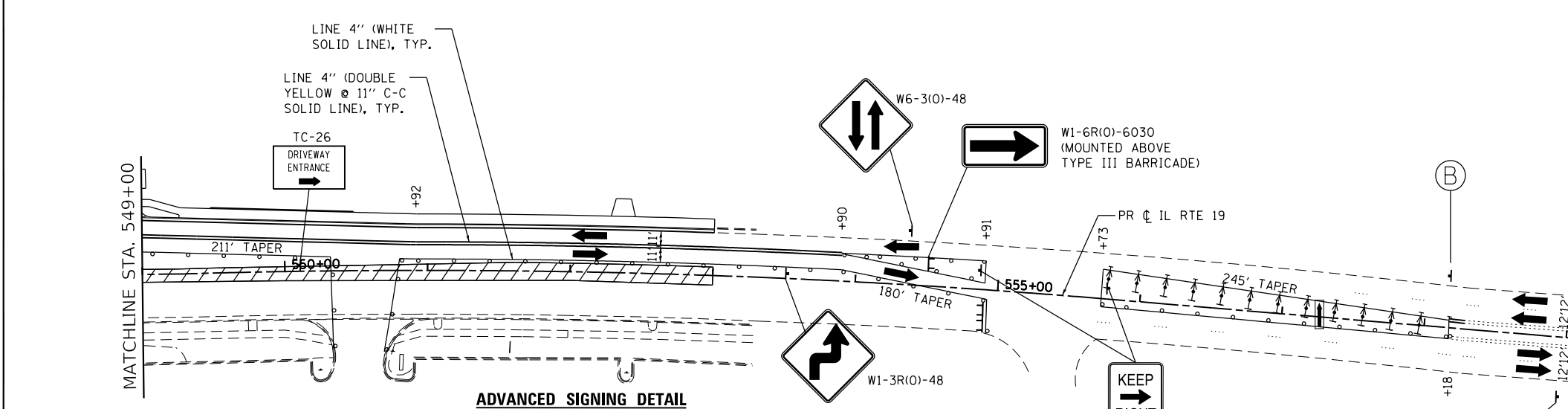
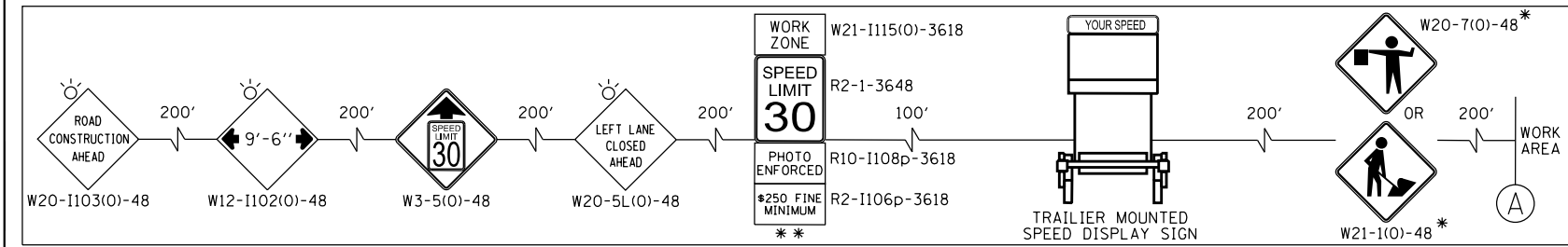
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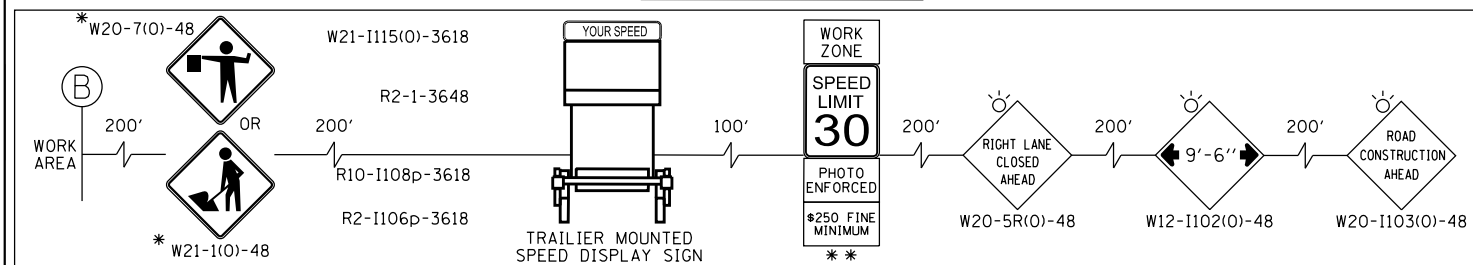
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ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 • PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

	WORK ZONE (HMA PAVEMENT)
	WORK ZONE (PCC PAVEMENT)
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	TYPE III BARRICADE
	MAINTENANCE OF TRAFFIC SIGN
	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.
	DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C



USER NAME = dstancz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
IL RTE 19 (IRVING PARK RD)

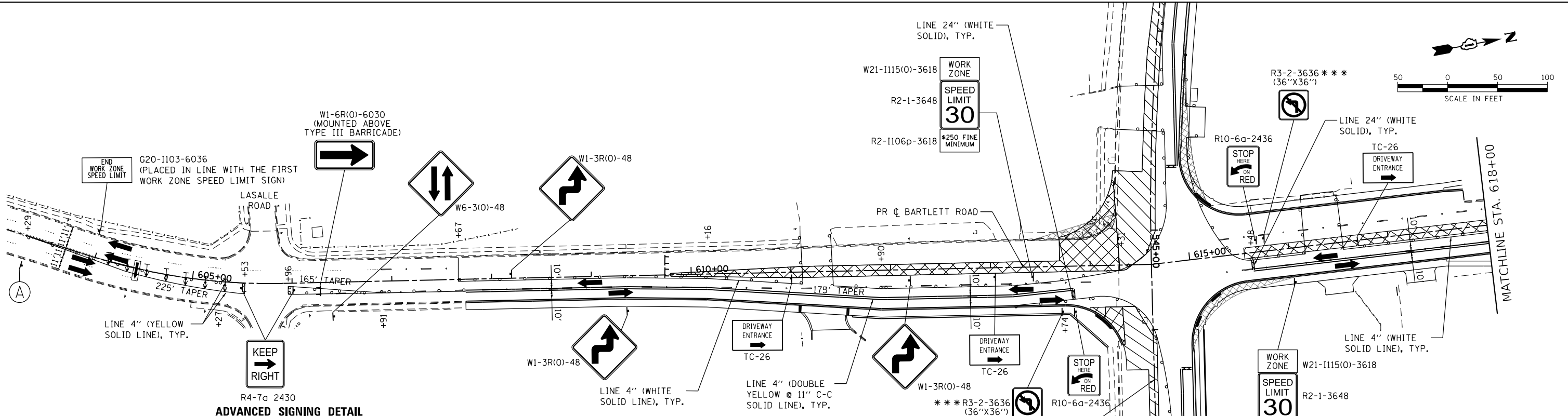
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	32
CONTRACT NO.				61H15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET 7 OF 14 SHEETS STA. TO STA.

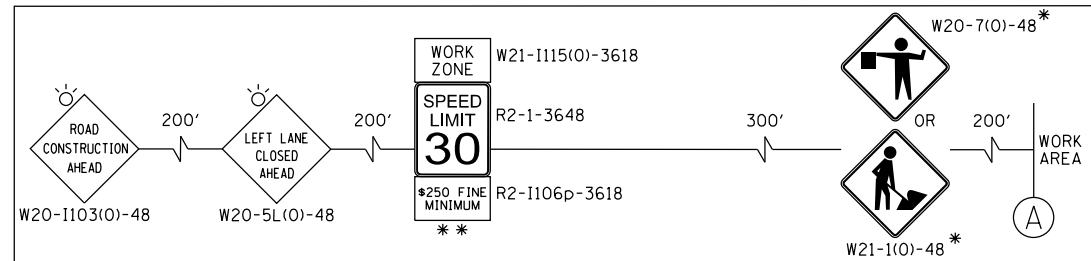
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BY	
PLAN	
SURVEYED	
PLOTTED	
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FILE UNZIPPING	
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FILE EXPORTING	
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FILE SPLITTING	
FILE JOINING	
FILE ZIPPING	
FILE UNZIPPING	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
FILE NAME	
FILE NO.	
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FILE SIZE	
FILE DATE	
FILE TIME	
FILE PATH	
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FILE PERMISSIONS	
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FILE ARCHIVING	
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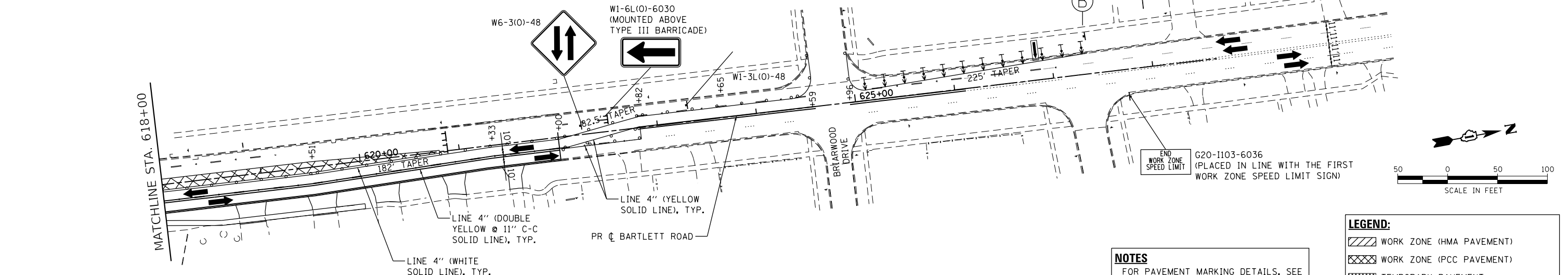
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 FILE NO.: 190567-srt-mr02-2.dgn
 FILE EXT.: .dgn
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 FILE DATE: 190567-srt-mr02-2.dgn
 FILE TIME: 190567-srt-mr02-2.dgn
 FILE PATH: 190567-srt-mr02-2.dgn
 FILE TYPE: 190567-srt-mr02-2.dgn
 FILE ATTRIBUTES: 190567-srt-mr02-2.dgn
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 FILE ENCRYPTION: 190567-srt-mr02-2.dgn
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 FILE UNZIPPING: 190567-srt-mr02-2.dgn



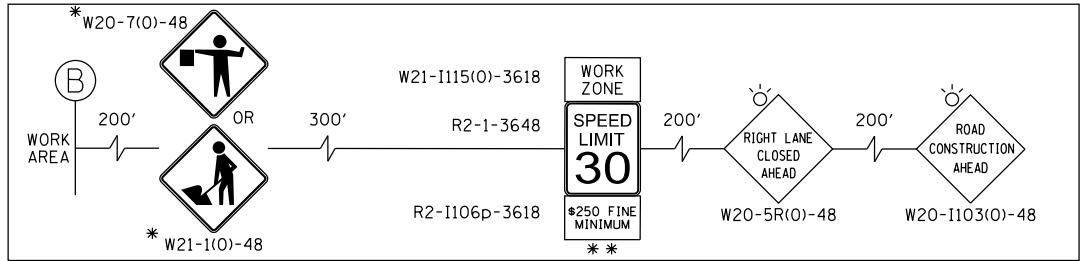
ADVANCED SIGNING DETAIL



*** ADDITIONAL R3-2 SIGN SHALL BE INSTALLED ON TEMP TRAFFIC SIGNAL SPAN WIRE.



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

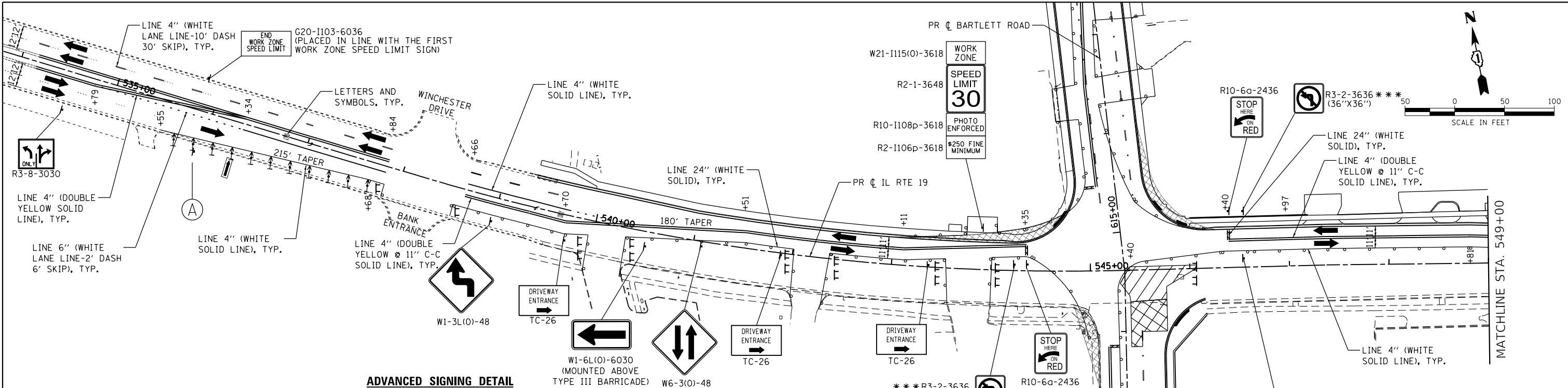
LEGEND:

	WORK ZONE (HMA PAVEMENT)
	WORK ZONE (PCC PAVEMENT)
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	TYPE III BARRICADE
	MAINTENANCE OF TRAFFIC SIGN
	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.
	DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C

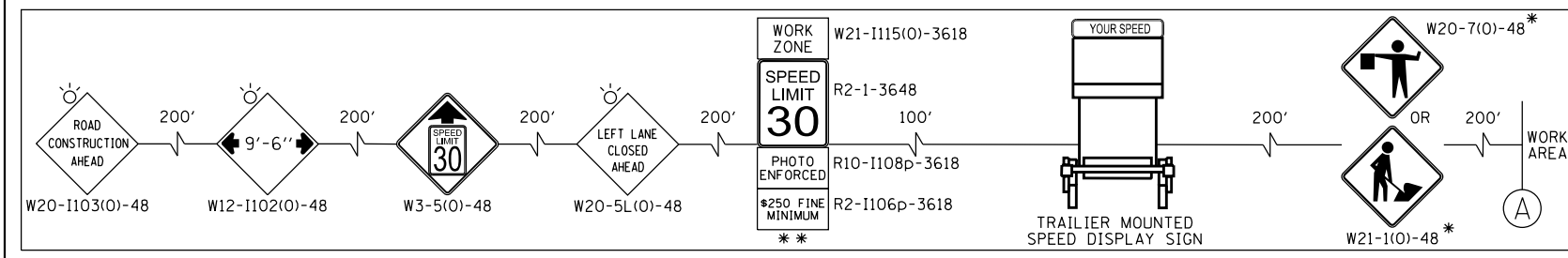
DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
FILE NAME	
NO.	

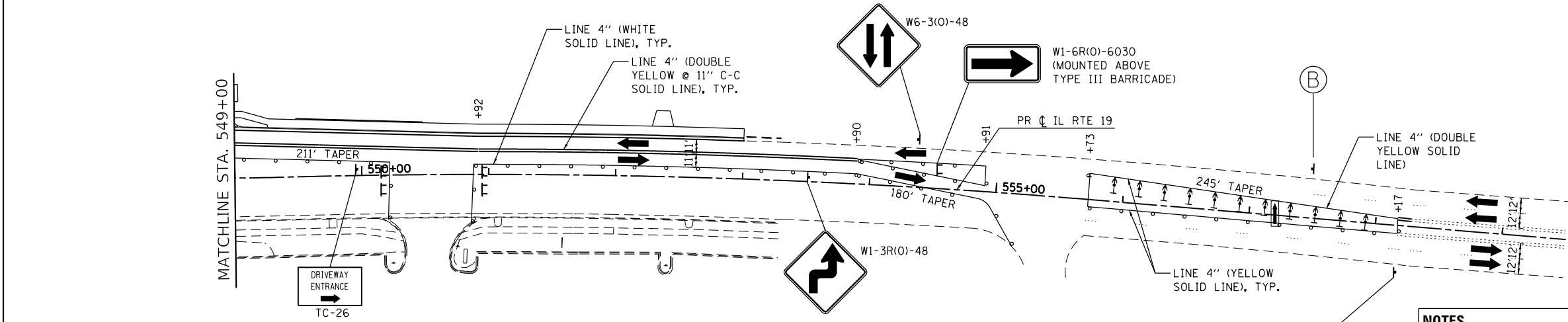
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 FILE NAME: 190567-190567.ctb
 PEN TABLE:



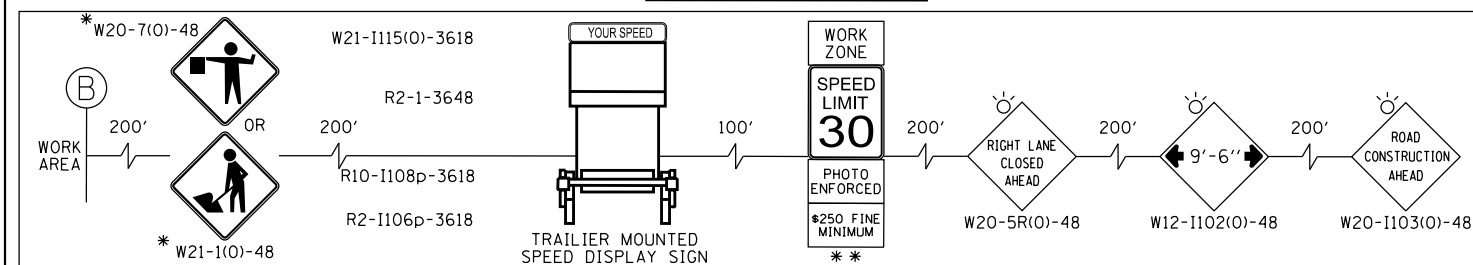
ADVANCED SIGNING DETAIL



*** ADDITIONAL R3-2 SIGN SHALL BE INSTALLED ON TEMP TRAFFIC SIGNAL SPAN WIRE.



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 • PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

	WORK ZONE (HMA PAVEMENT)
	WORK ZONE (PCC PAVEMENT)
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	TYPE III BARRICADE
	MAINTENANCE OF TRAFFIC SIGN
	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TANGENTS, 20' C-C IN RADII.
	DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C



USER NAME = dstancz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

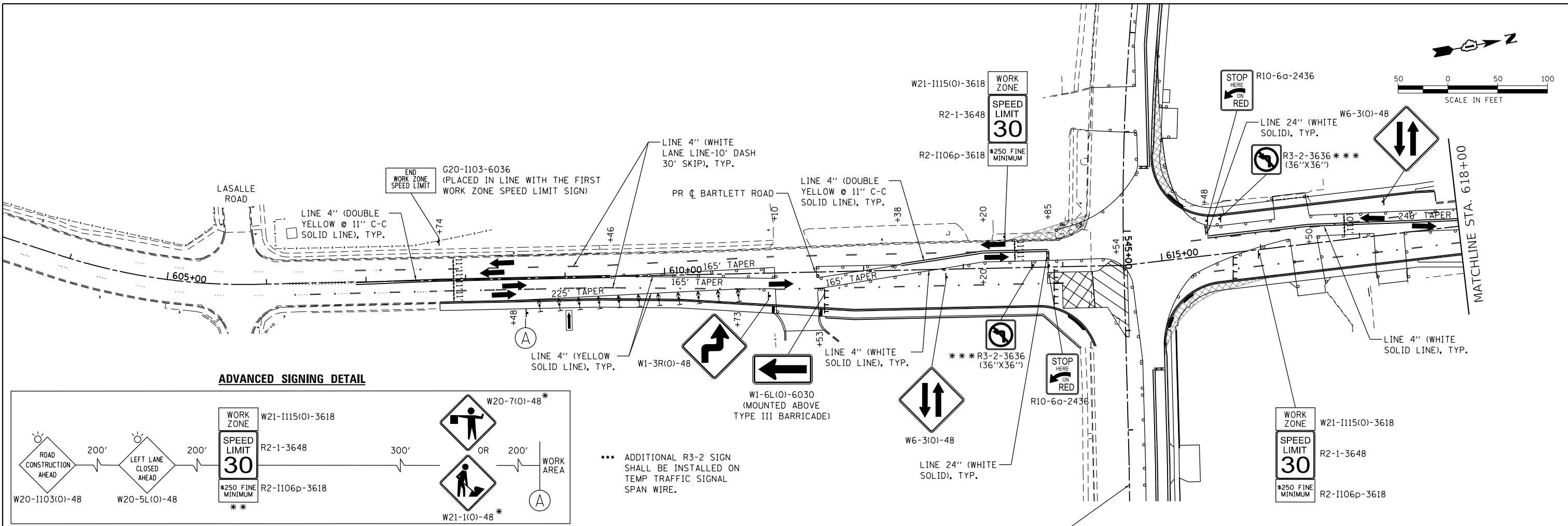
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2a
 IL RTE 19 (IRVING PARK RD)
 SCALE: 1"=50' SHEET 9 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	34
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

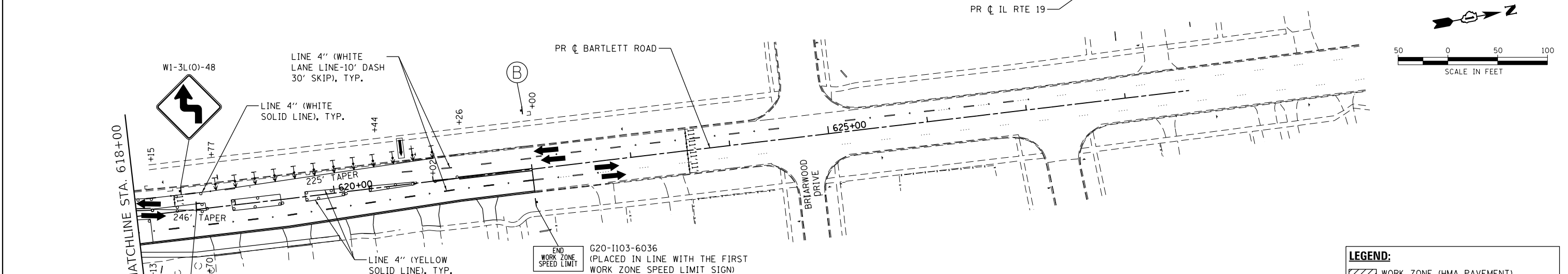
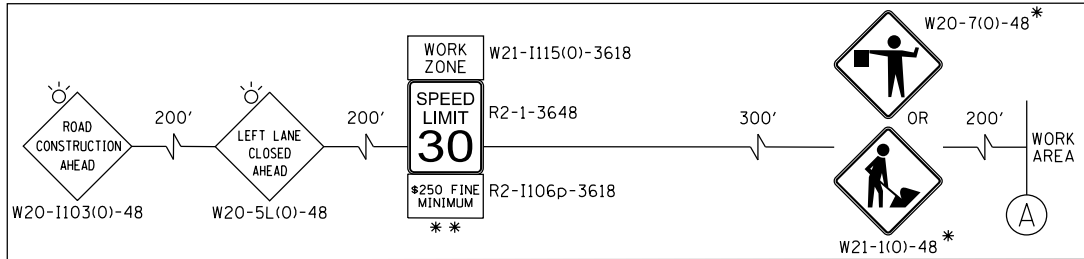
DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
FILE NAME	
FILE NUMBER	
FILE TABLE	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
FILE NAME	
FILE NUMBER	
FILE TABLE	

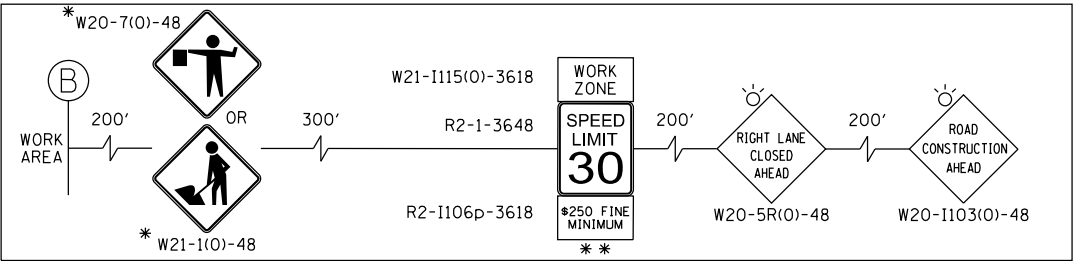
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 FILE NUMBER: 190567-srt-mr020-2.dgn
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ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

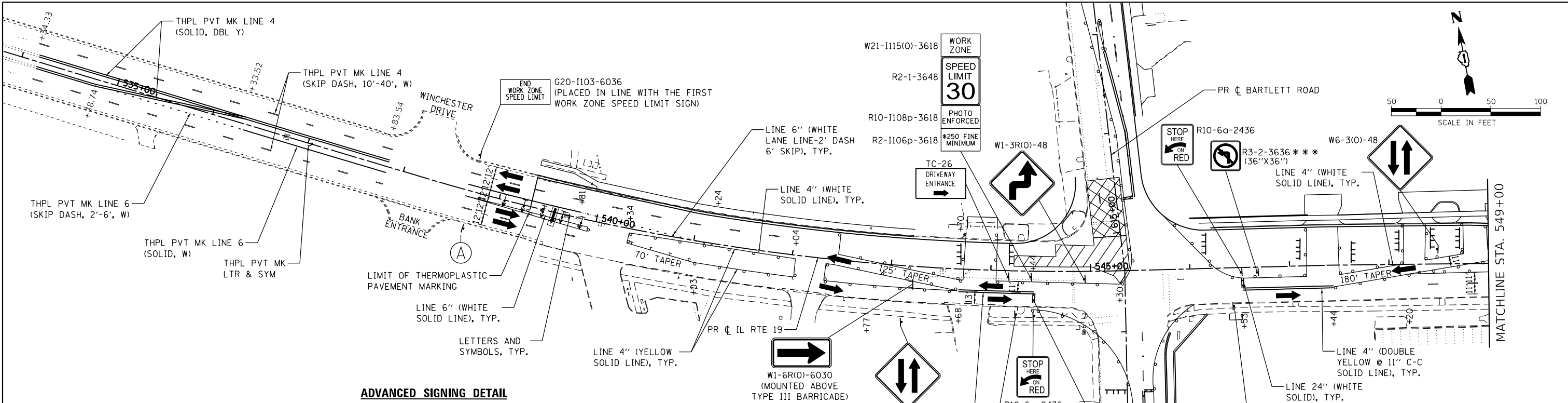
	WORK ZONE (HMA PAVEMENT)
	WORK ZONE (PCC PAVEMENT)
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	TYPE III BARRICADE
	MAINTENANCE OF TRAFFIC SIGN
	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.
	DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C

HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = dstencz	DESIGNED - JRM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2a BARTLETT RD		F.A.U. R.T.E. = 1321	SECTION NO. = 10-00055-01-WR	COUNTY = COOK	TOTAL SHEETS = 148	SHEET NO. = 35
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 10 OF 14 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 61H15			
	PLOT DATE = 8/18/2021	DATE -	REVISED -				FED. ROAD DIST. NO.				

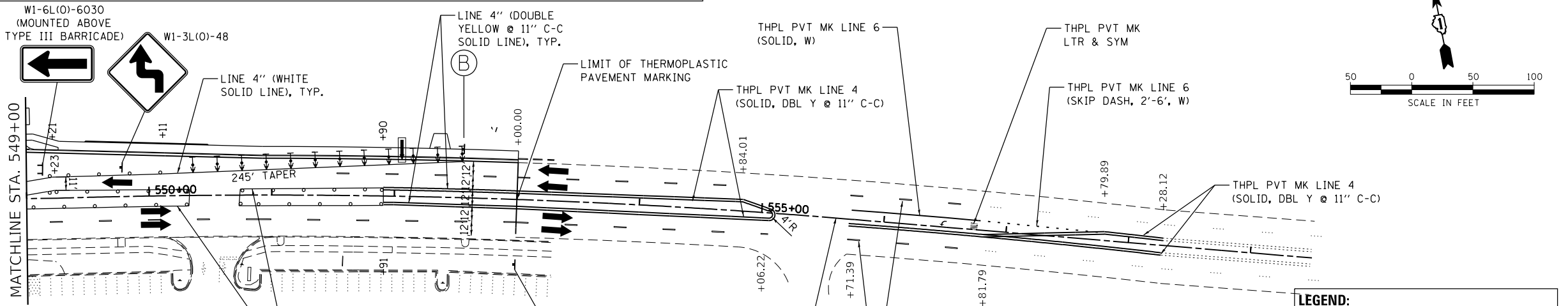
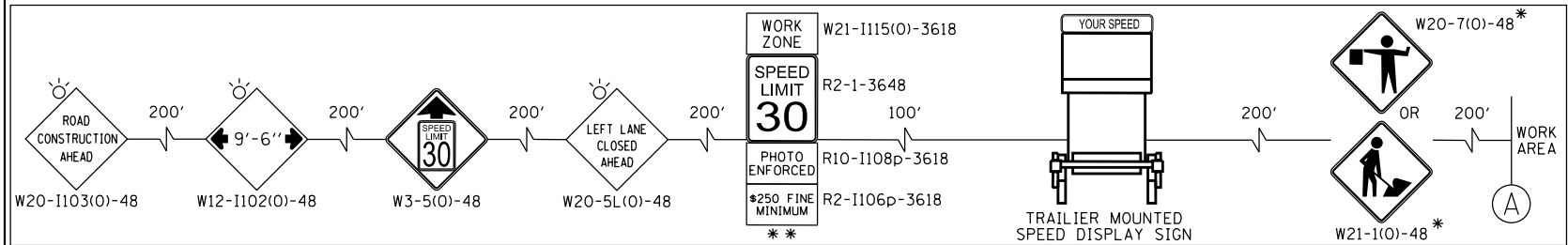
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	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. /	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	FILED	
	NO. /	
	BY	

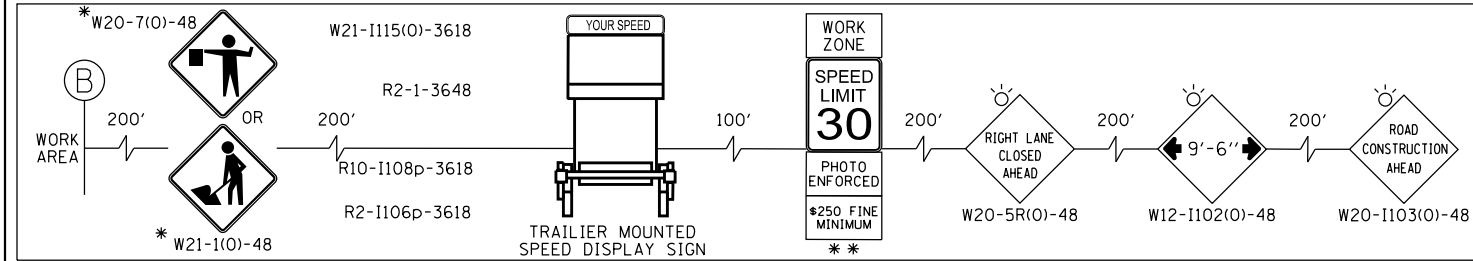
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 FILE NUMBER: 190567-190
 PEN TABLE: pcc/obst.tbl



ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 • PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

[Hatched Box]	WORK ZONE (HMA PAVEMENT)
[Cross-hatched Box]	WORK ZONE (PCC PAVEMENT)
[Dotted Box]	TEMPORARY PAVEMENT
[Arrow]	DIRECTION OF TRAFFIC
[Flashing Arrow]	FLASHING ARROW BOARD
[Barricade]	TYPE III BARRICADE
[Sign]	MAINTENANCE OF TRAFFIC SIGN
[Circle]	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.
[Arrow]	DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C

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

USER NAME = dstancz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

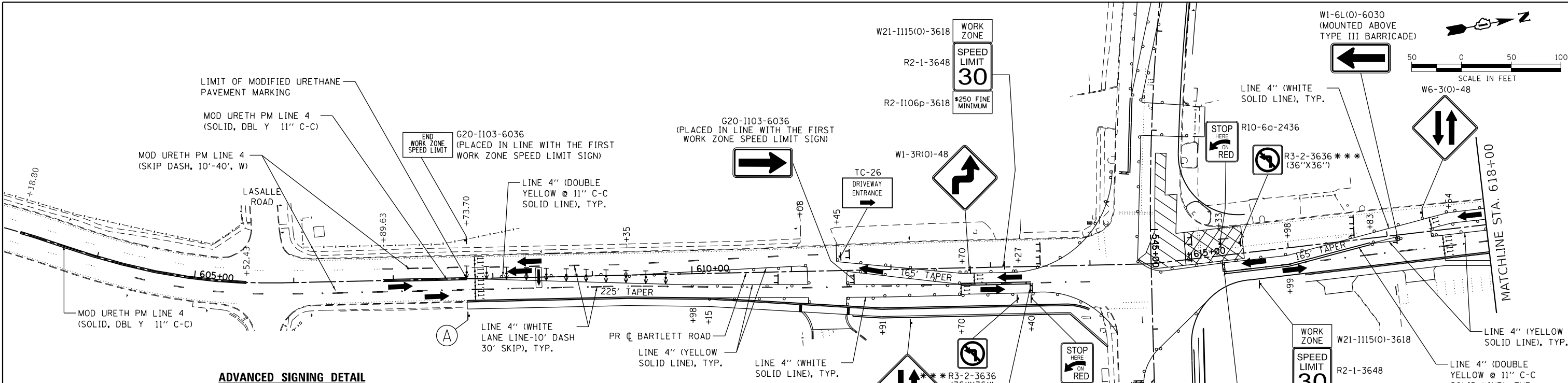
**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2b
 IL RTE 19 (IRVING PARK RD)**
 SCALE: 1"=50' SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	36
CONTRACT NO.				61H15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

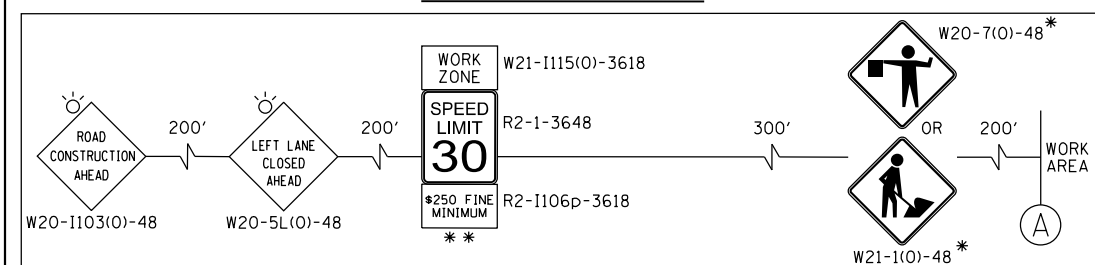
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	PEN TABLE	

PROFILE	SURVEYED	DATE
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	PEN TABLE	

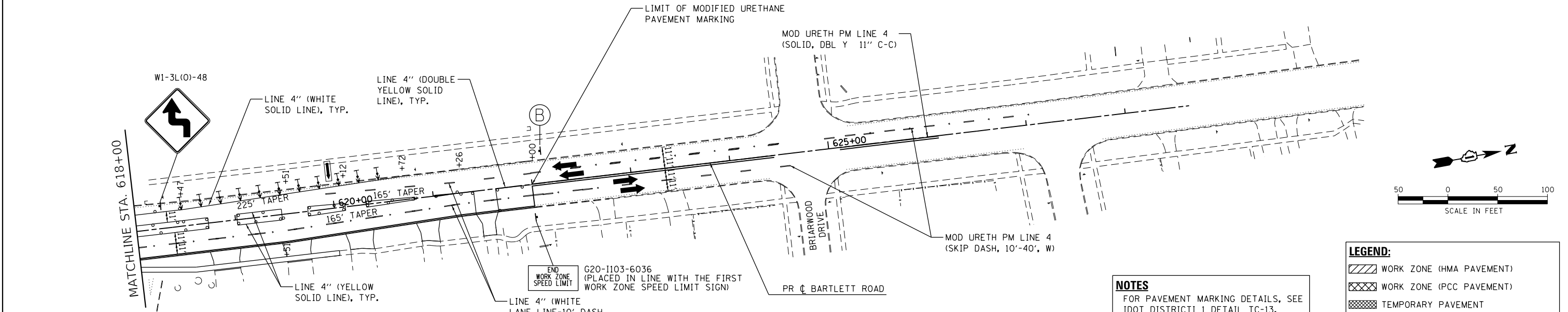
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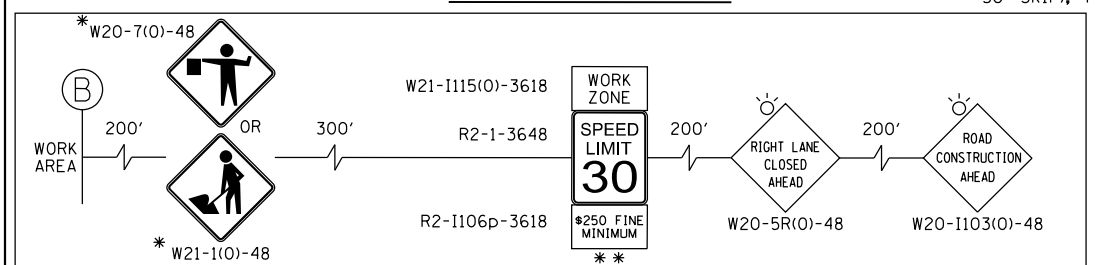
ADVANCED SIGNING DETAIL



*** ADDITIONAL R3-2 SIGN SHALL BE INSTALLED ON TEMP TRAFFIC SIGNAL SPAN WIRE.



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 • PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

	WORK ZONE (HMA PAVEMENT)
	WORK ZONE (PCC PAVEMENT)
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	TYPE III BARRICADE
	MAINTENANCE OF TRAFFIC SIGN
	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.
	DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

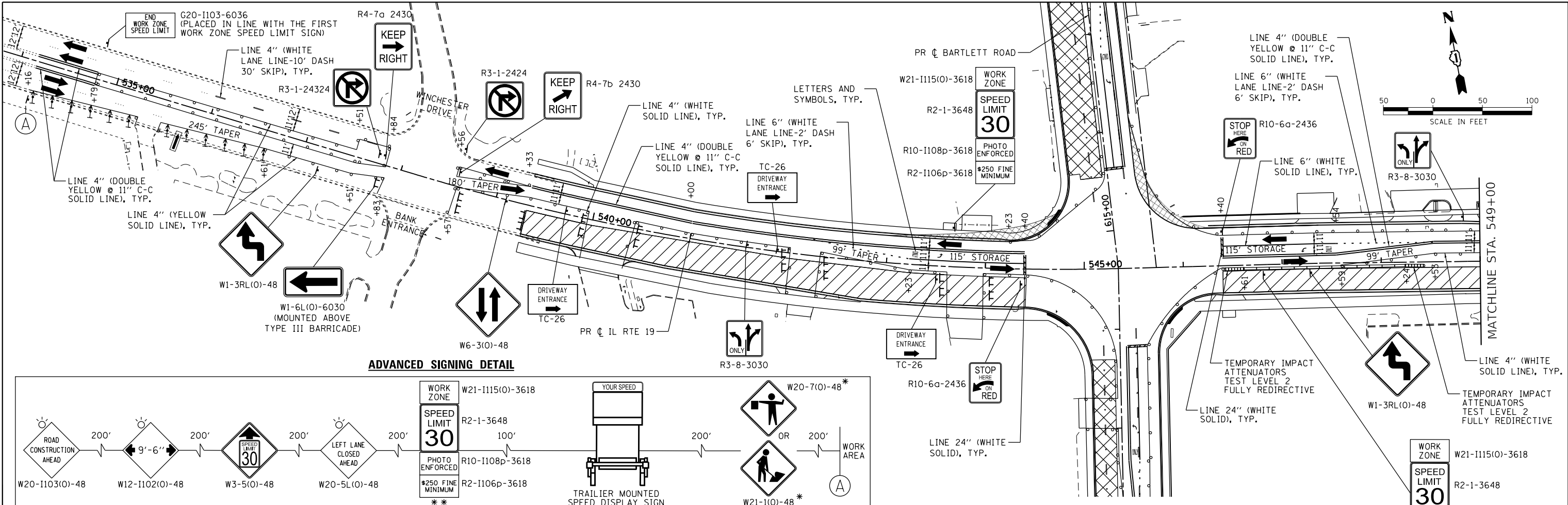
**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2b
 BARTLETT RD**
 SCALE: 1"=50' SHEET 12 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	37
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

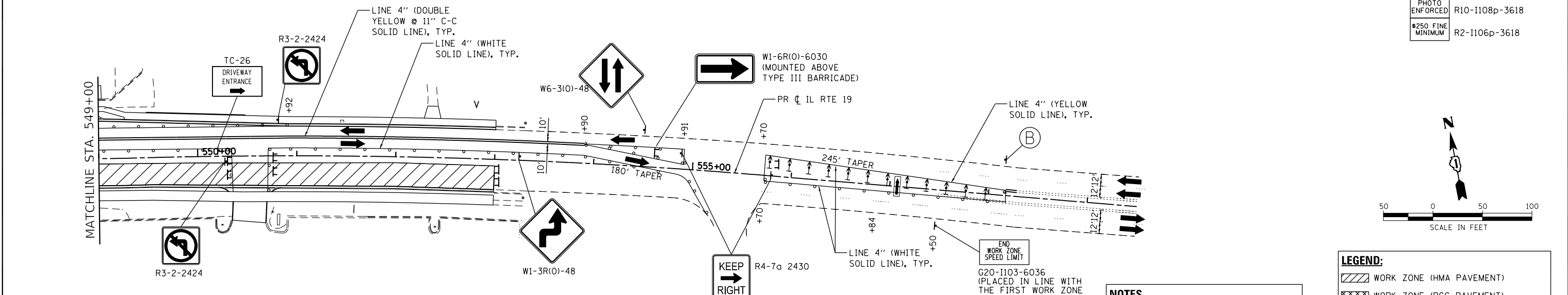
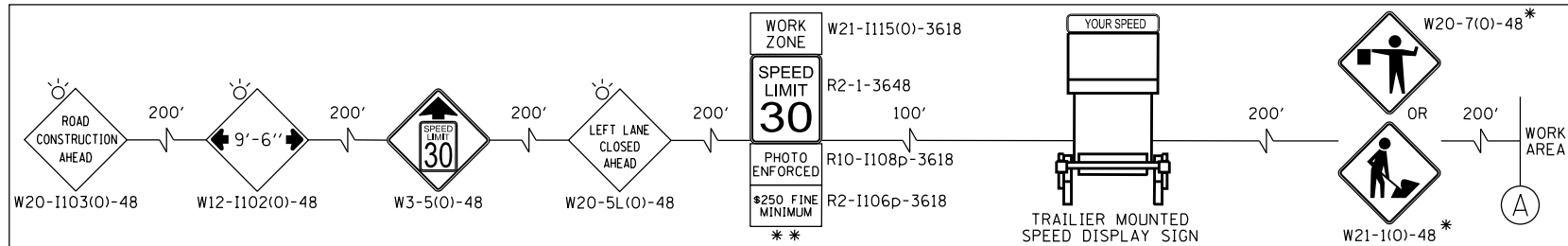
DATE	
BY	
PLAN	
SURVEYED	
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NOTE BOOK	
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DATE	
BY	
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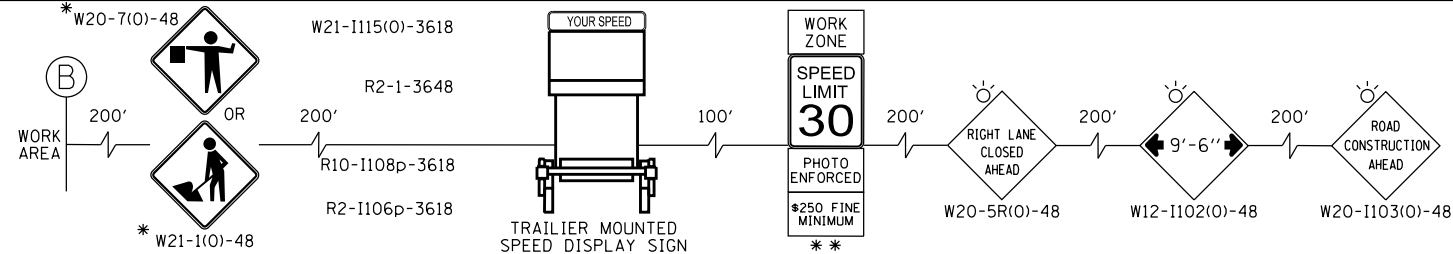
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ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 •• PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

	WORK ZONE (HMA PAVEMENT)
	WORK ZONE (PCC PAVEMENT)
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	TYPE III BARRICADE
	MAINTENANCE OF TRAFFIC SIGN
	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.
	DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

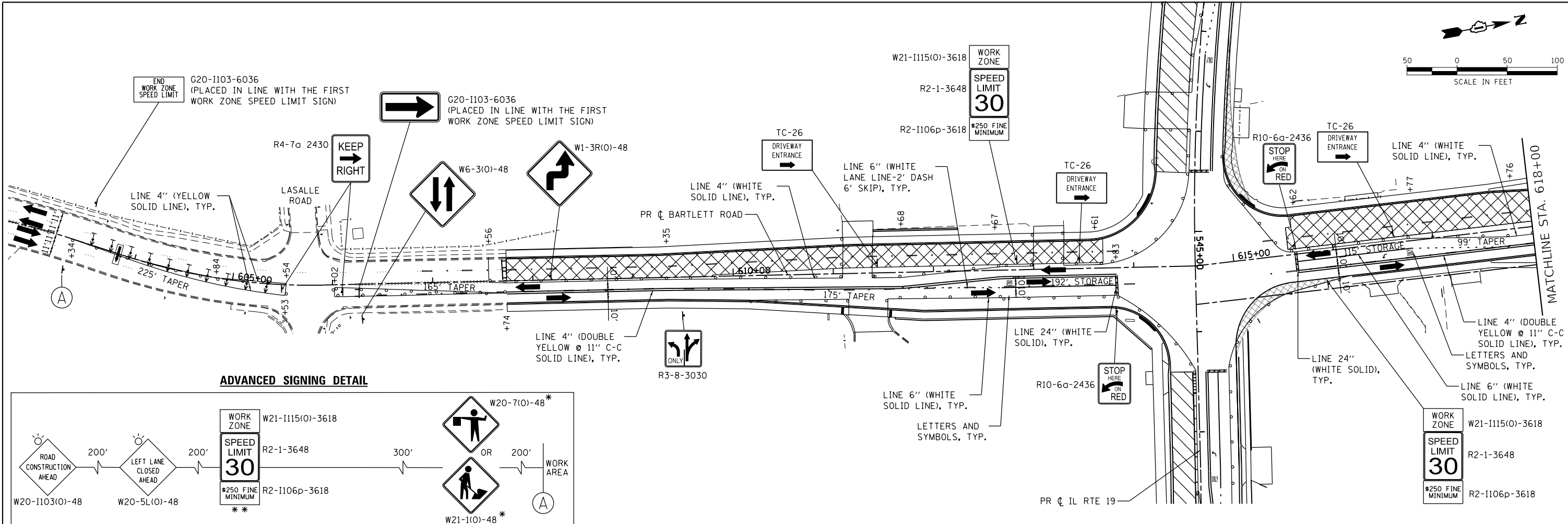
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
 IL RTE 19 (IRVING PARK RD)
 SCALE: 1"=50' SHEET 13 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	38
				CONTRACT NO. 61H15
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

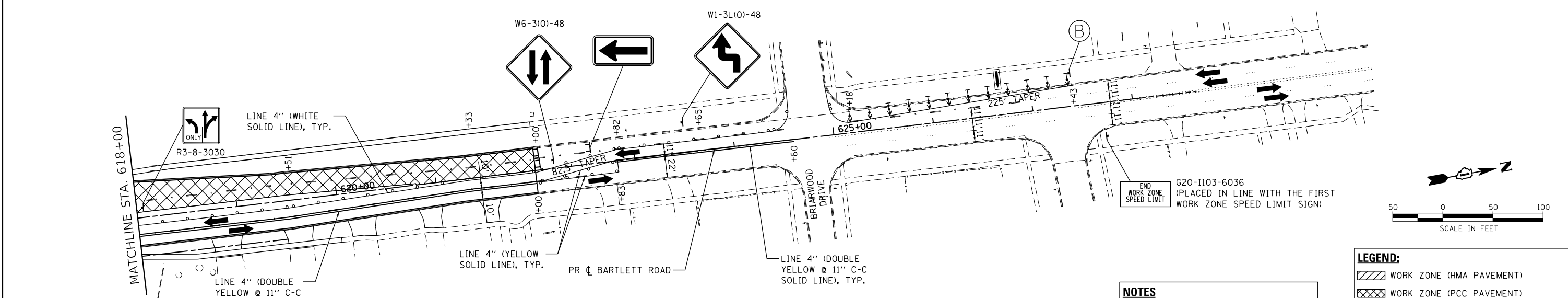
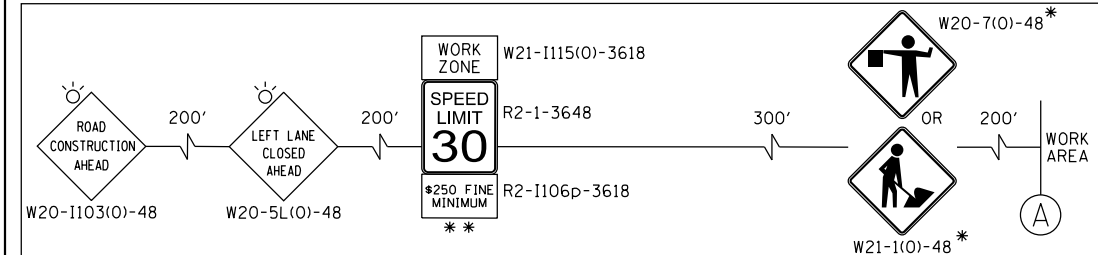
DATE	
BY	
PLAN	SURVEYED
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	NO. 6
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DATE	
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	NO. 10

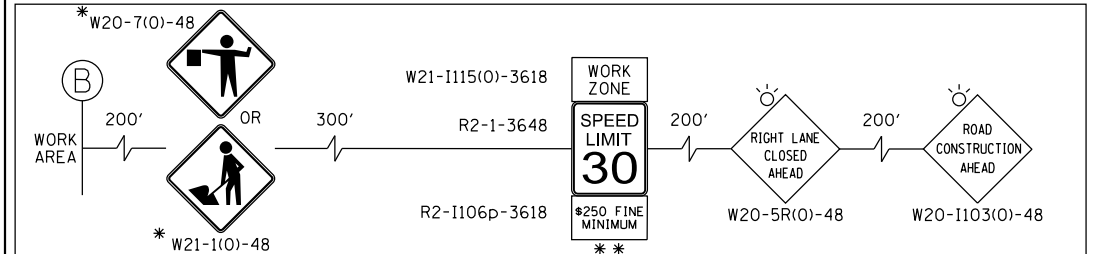
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 PEN TABLE: pccfbtbl.tbl



ADVANCED SIGNING DETAIL



ADVANCED SIGNING DETAIL



NOTES
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 "PHOTO ENFORCED" SIGN PLATES SHALL ONLY BE INSTALLED ON WORK ZONE SPEED LIMIT SIGN ASSEMBLIES THAT ARE LOCATED ON IL 19.
 • SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 • PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

	WORK ZONE (HMA PAVEMENT)
	WORK ZONE (PCC PAVEMENT)
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	TYPE III BARRICADE
	MAINTENANCE OF TRAFFIC SIGN
	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.
	DIRECTION INDICATOR BARRICADES W/STEADY BURN LIGHTS @ 20' C-C



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT SCALE = 100.0000' / in.		
PLOT DATE = 8/18/2021		

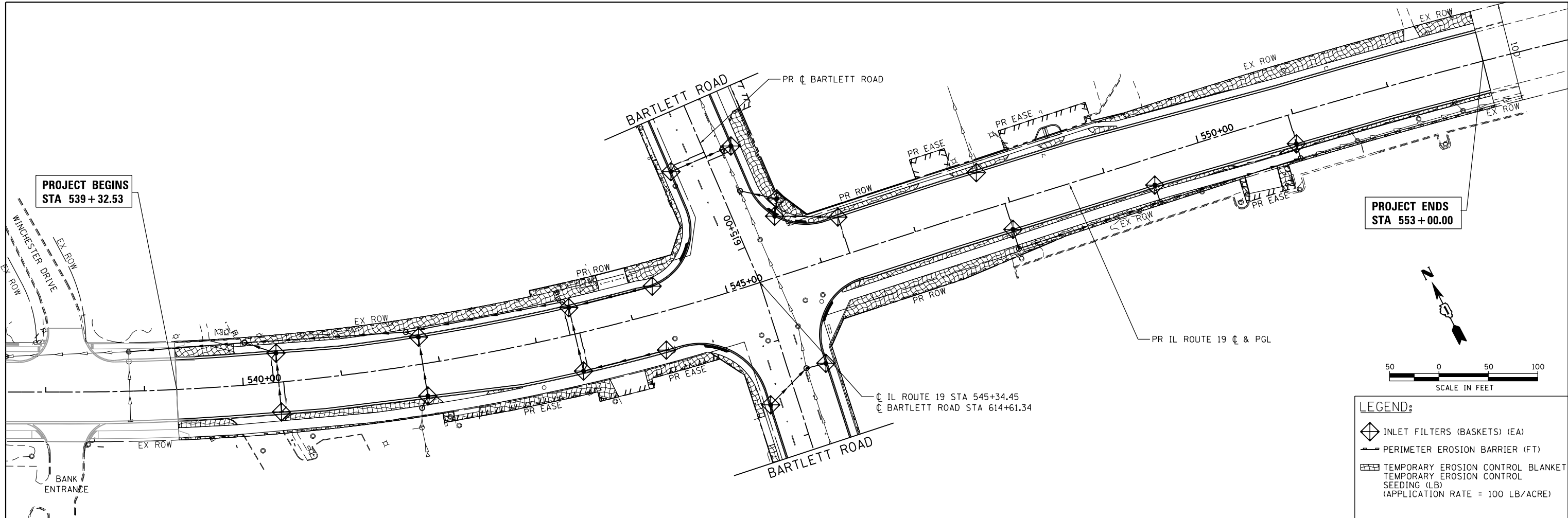
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
 BARTLETT RD**

SCALE: 1"=50' SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	
	NO. 7	
	NO. 8	
	NO. 9	
	NO. 10	



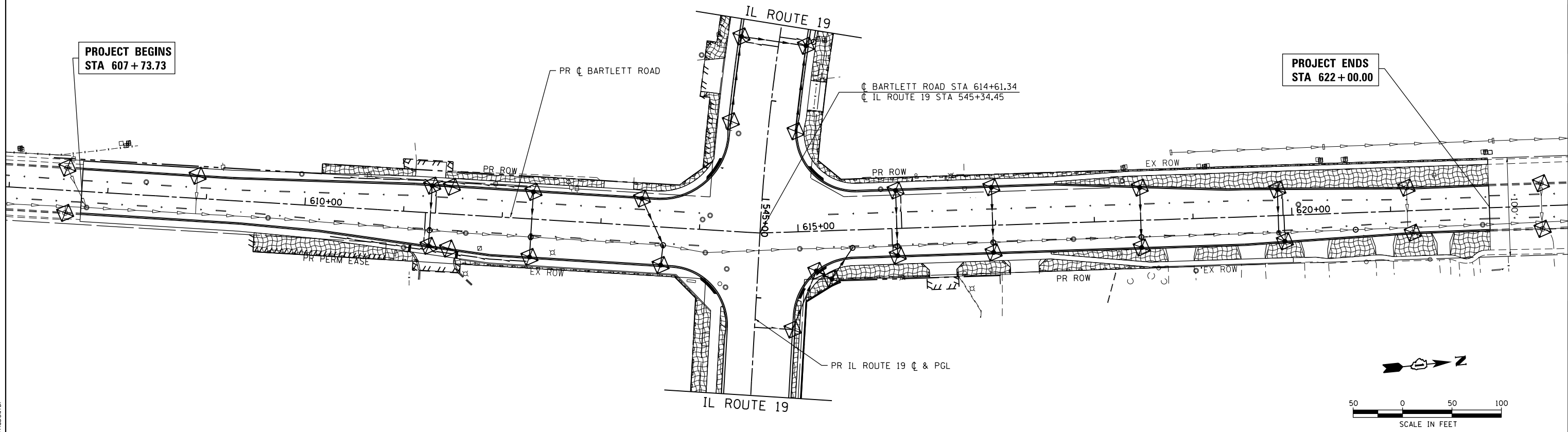
PROJECT ENDS
STA 553+00.00

PROJECT BEGINS
STA 539+32.53

LEGEND:

- INLET FILTERS (BASKETS) (EA)
- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL BLANKET SEEDING (LB)
(APPLICATION RATE = 100 LB/ACRE)

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	
	NO. 7	
	NO. 8	
	NO. 9	
	NO. 10	



PROJECT ENDS
STA 622+00.00

PROJECT BEGINS
STA 607+73.73

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-eros-04.dgn
 FILE NAME: 190567-01-190567.dwg
 PEN TABLE: 190567.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

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

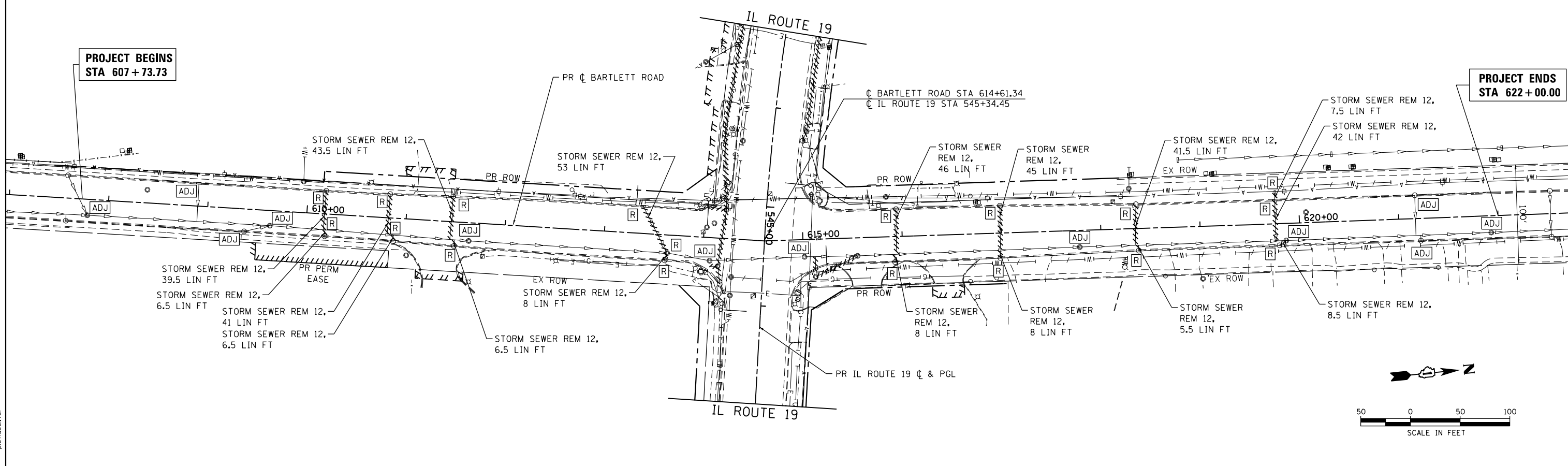
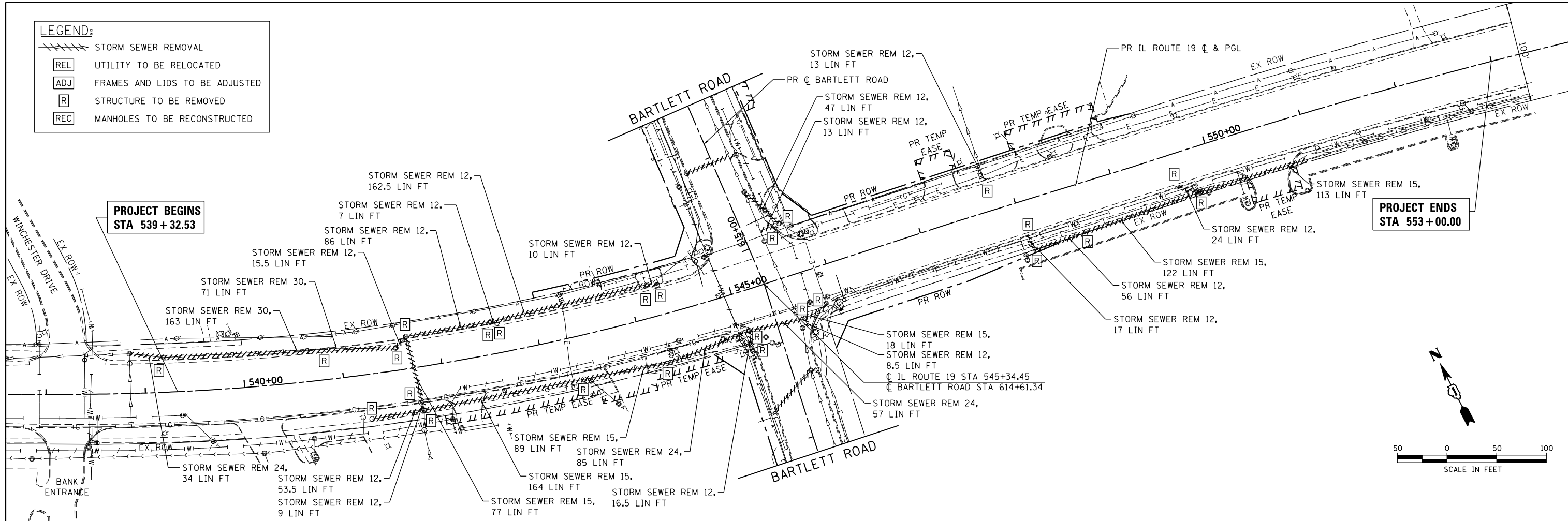
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	40
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

LEGEND:

	STORM SEWER REMOVAL
	UTILITY TO BE RELOCATED
	FRAMES AND LIDS TO BE ADJUSTED
	STRUCTURE TO BE REMOVED
	MANHOLES TO BE RECONSTRUCTED

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	



HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-swt-drafter-em-0.dgn
 FILE NAME: 190567-swt-drafter-em-0.dgn
 PEN TABLE: pen.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE REMOVAL AND ADJUSTMENT PLAN	
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD	
SCALE: 1"=50'	SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	41
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15		

UTILITY STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULE

LOCATION				CATCH BASINS TO BE ADJUSTED (EACH) 60250200	MANHOLES TO BE ADJUSTED (EACH) 60255500	INLETS TO BE ADJUSTED (EACH) 60260100	REMOVING MANHOLES (EACH) 60500040	REMOVING CATCH BASINS (EACH) 60500050	REMOVING INLETS (EACH) 60500060	
STATION	OFFSET (FOOT)	EXIST. RIM ELEV.	PROP. RIM ELEV.							
ILLINOIS ROUTE 19										
539+20	-35.1						1			
540+85	-30.9								1	
541+23	45.0							1		
541+73	35.7							1		
541+75	43.9						1			
541+56	-22.6						1			
541+68	-32.4						1			
542+56	-32.2						1			
542+62	-30.1							1		
543+36	43.9							1		
544+23	48.7							1		
544+20	-33.2						1			
544+30	-30.2							1		
545+04	56.2								1	
545+06	40.1						1			
545+48	-41.1								1	
545+63	45.6						1			
545+67	-53.6						1			
545+81	42.5							1		
547+77	-31.1								1	
548+03	34.6								1	
548+59	49.1								1	
549+61	33.3								1	
549+81	45.3						1			
SUBTOTAL ILLINOIS ROUTE 19				0	0	0	10	7	7	

LOCATION				CATCH BASINS TO BE ADJUSTED (EACH) 60250200	MANHOLES TO BE ADJUSTED (EACH) 60255500	INLETS TO BE ADJUSTED (EACH) 60260100	REMOVING MANHOLES (EACH) 60500040	REMOVING CATCH BASINS (EACH) 60500050	REMOVING INLETS (EACH) 60500060	
STATION	OFFSET (FOOT)	EXIST. RIM ELEV.	PROP. RIM ELEV.							
BARTLETT ROAD										
607+80	16.1	825.75	825.63		1					
608+89	-22.9	822.03	821.57			1				
609+38	22.6	820.49	820.31	1						
609+64	15.2	820.13	819.89		1					
610+18	-23.3								1	
610+19	22.5								1	
610+82	-23.9								1	
610+88	23.3								1	
611+46	-25.3								1	
611+49	24.3								1	
611+64	18.3	819.03	818.26		1					
613+38	-26.8								1	
613+64	18.2						1			
613+62	25.6								1	
614+07	23.2	817.20	816.00		1					
615+01	17.3	815.01	814.01		1					
615+92	25.6								1	
615+94	-27.6								1	
616+98	25.0								1	
616+99	-27.5								1	
617+78	16.7	806.85	806.77		1					
618+36	-24.5								1	
618+37	22.2								1	
619+76	-30.9									1
619+76	-24.0									1
619+79	21.8								1	
619+86	17.3	802.12			1					
621+17	-23.5	800.14		1						
621+22	22.4	800.13		1						
621+93	16.9	799.40	799.71		1					
SUBTOTAL BARTLETT ROAD				3	8	1	1	15	2	
TOTAL				3	8	1	11	22	9	

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

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smt-drafter-em-schlag
 FILE NUMBER: 190567-01-19
 PEN TABLE: 190567.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

UTILITY STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULE
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	42
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

DRAINAGE PIPE REMOVAL SCHEDULE

LOCATION				TRENCH BACKFILL (CU YD)	STORM SEWER REMOVALS				
STATION	OFFSET (FOOT)	TO STATION	OFFSET (FOOT)		12" (FOOT)	15" (FOOT)	18" (FOOT)	24" (FOOT)	30" (FOOT)
ILLINOIS ROUTE 19				20800150	55100500				
538+85	-40.0	539+20	-35.1	0.0			34.0		
539+20	-35.1	540+85	-30.9	12.7				163.0	
540+85	-30.9	541+56	-22.6	8.9				71.5	
541+56	-22.6	541+68	-32.4	2.4	15.5				
541+23	45.0	541+75	43.9	8.2	53.5				
541+68	-32.4	542+56	-32.2	22.2	86.0				
541+75	43.9	541+68	-32.4	11.1		77.0			
541+73	35.7	541+75	43.9	2.4	9.0				
541+75	43.9	543+36	43.9	42.5		164.0			
542+56	-32.2	542+62	-30.1	1.1	7.0				
544+20	-33.2	542+56	-32.2	41.8	162.5				
544+30	-30.2	544+20	-33.2	2.6	10.0				
543+36	43.9	544+23	48.7	28.4		89.0			
545+06	40.1	544+23	48.7	20.0			85.0		
545+63	45.6	545+06	40.1	6.7			57.5		
545+04	56.2	545+06	40.1	2.6	16.5				
545+63	45.6	545+63	53.8	1.3	8.5				
545+80	42.5	545+63	45.6	2.7		18.5			
545+44	-94.4	545+67	-53.6	7.2	47.0				
545+47	-52	545+60	-53.0	2.0	13.0				
547+77	-31.1	547+77	-38.5	3.4	13.0				
548+03	34.6	548+03	51.1	2.9	17.0				
548+03	51.1	548+59	49.1	0.0	56.0				
548+59	49.1	549+81	45.3	8.6		122.5			
549+81	45.3	550+95	45.5	29.3		113.0			
549+61	33.3	549+81	45.3	6.2	24.0				
SUBTOTAL ILLINOIS ROUTE 19				277	539	584	0	143	235
BARTLETT ROAD									
610+19	22.5	610+19	16.1	1.0	6.5				
610+18	-23.3	610+17	16.1	6.1	39.5				
610+83	-23.9	610+82	17.1	6.3	41.0				
610+88	23.3	610+88	17.2	1.0	6.5				
611+46	-25.3	611+45	18	6.7	43.5				
611+50	24.3	611+50	18.1	1.0	6.5				
613+37	-27.4	613+64	18.2	8.1	53.0				
613+62	25.6	613+64	18.2	1.3	8.0				
615+92	25.6	615+92	17.9	1.3	8.0				
615+95	-27.6	615+94	17.9	6.4	46.0				
616+99	-27.5	616+98	17.2	6.4	45.0				
616+98	25.1	616+98	17.2	1.3	8.0				
618+36	-24.5	618+34	16.5	6.4	41.5				
618+37	22.2	618+38	16.8	0.9	5.5				
619+76	-30.9	619+76	-23.9	1.2	7.5				
619+76	-23.9	619+76	17.7	6.4	42.0				
619+79	21.8	619+86	17.3	1.3	8.5				
SUBTOTAL BARTLETT ROAD				63	417	0	0	0	0
TOTAL				345	955	585	0	145	235

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

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

HRG PROJECT NO.: 190667
 HRG PROJ. CONTACT: 190667-snt-dra-hrr-em-sch.dgn
 FILE NAME: 190667-snt-dra-hrr-em-sch.dgn
 PEN TABLE: 190667-snt-dra-hrr-em-sch.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PIPE REMOVAL SCHEDULE
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

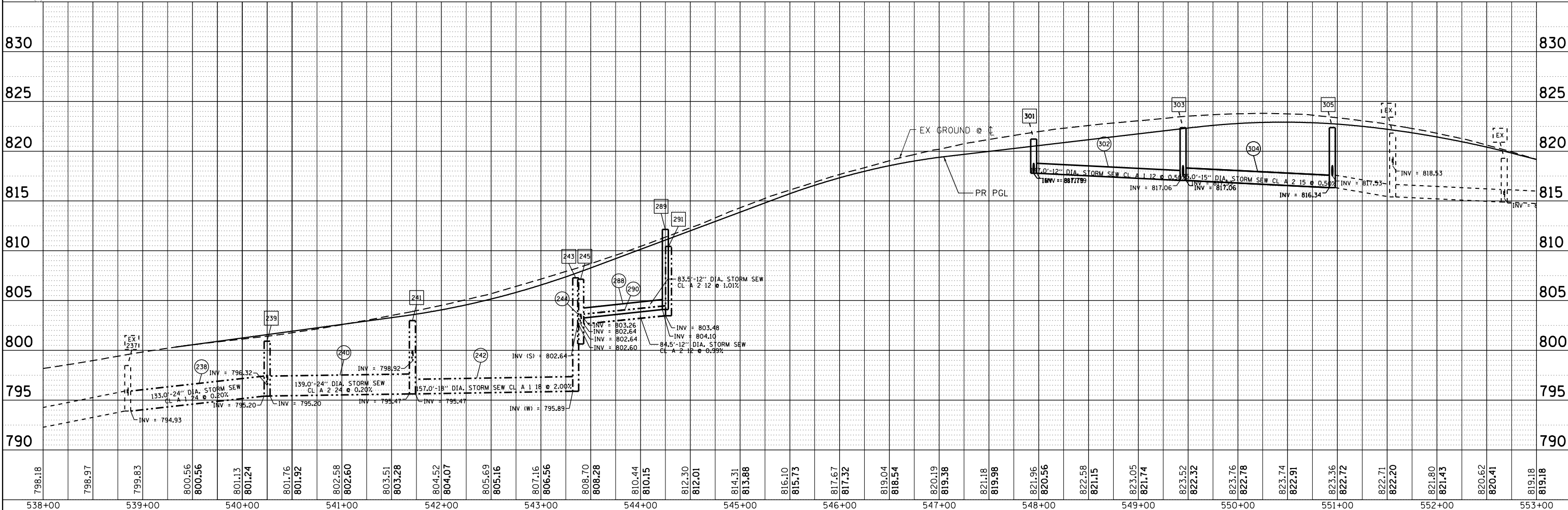
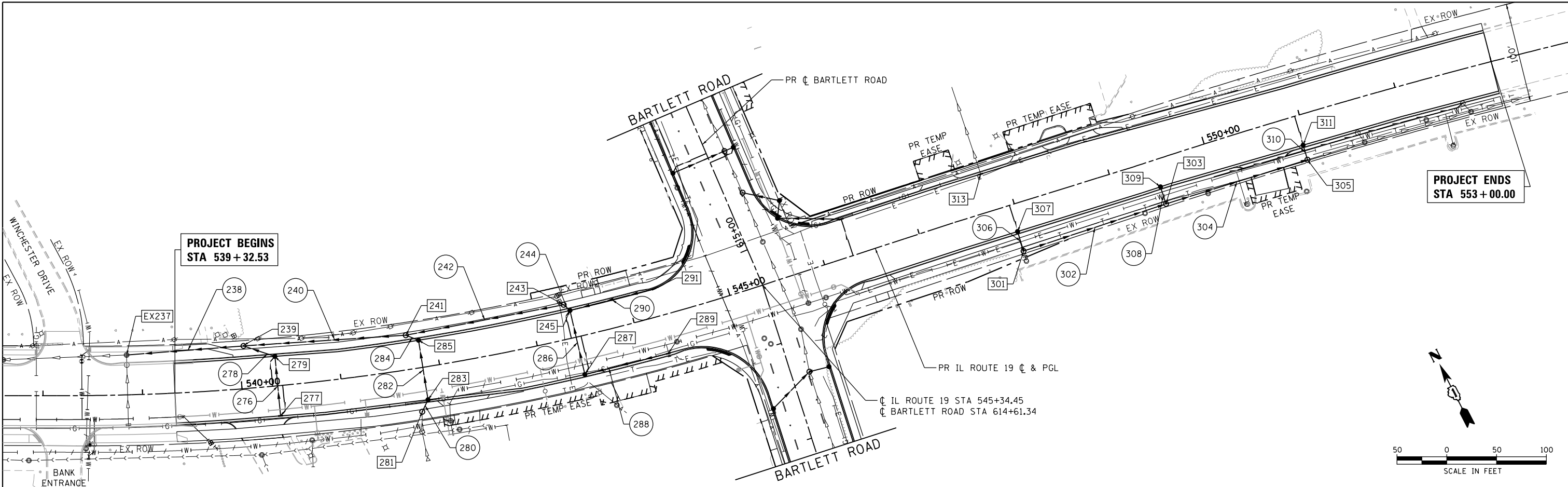
SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	43
CONTRACT NO.			61H15	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
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HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-dpp-01.dgn
 FILE NAME: 190567.dwg
 PEN TABLE: pen.tbl



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538+00	539+00	540+00	541+00	542+00	543+00	544+00	545+00	546+00	547+00	548+00	549+00	550+00	551+00	552+00	553+00																538+00	539+00	540+00	541+00	542+00	543+00	544+00	545+00	546+00	547+00	548+00	549+00	550+00	551+00	552+00	553+00												

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 #184-001322

USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

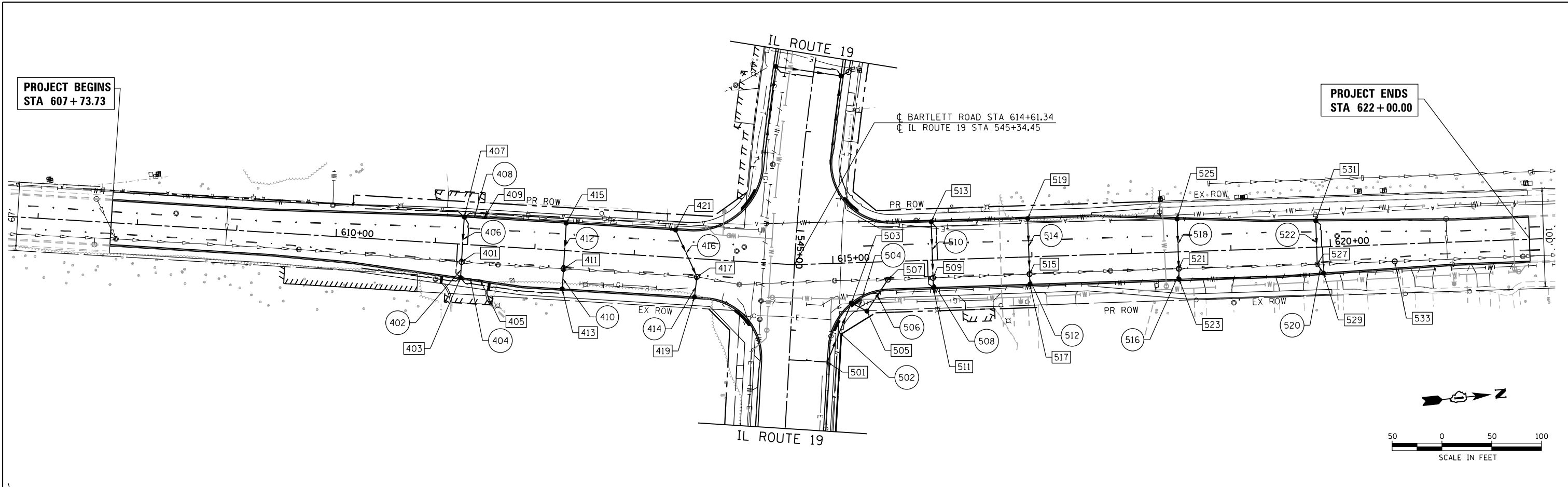
DRAINAGE PLAN AND PROFILE
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD
 SCALE: 1"=50' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	44
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

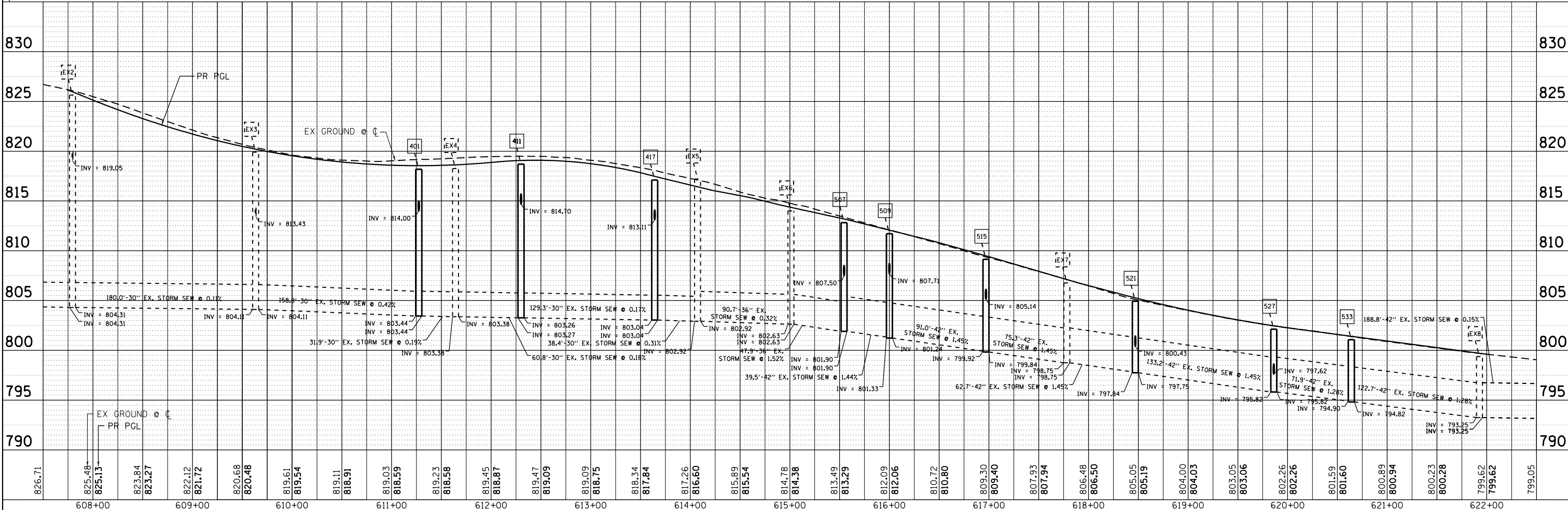
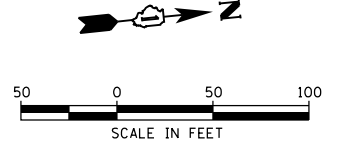
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHD	
	NO.	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-dpp-02.dgn
 FILE NAME: 190567-srt-dpp-02.dgn
 PEN TABLE: pen.tbl



PROJECT ENDS
STA 622+00.00

PROJECT BEGINS
STA 607+73.73



826.71	825.48	825.13	823.84	823.27	822.12	821.72	820.68	820.48	819.61	819.54	819.11	818.91	819.03	818.59	819.23	818.58	819.45	818.87	819.47	819.09	818.75	818.34	817.84	817.26	816.60	815.89	815.54	814.78	814.38	813.49	813.29	812.09	812.06	810.72	810.80	809.30	809.40	807.93	807.94	806.48	806.50	805.05	805.19	804.00	804.03	803.05	803.06	802.26	802.26	801.59	801.60	800.89	800.94	800.23	800.28	799.62	799.62	799.05
608+00	609+00	610+00	611+00	612+00	613+00	614+00	615+00	616+00	617+00	618+00	619+00	620+00	621+00	622+00																																												

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USER NAME = dstancz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD
 SCALE: 1"=50' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	45
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15		

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

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

DRAINAGE PIPE SCHEDULE

ID NUMBER	UPSTREAM STRUCTURE ID NUMBER	DOWNSTREAM STRUCTURE ID NUMBER	SLOPE (%)	TRENCH BACKFILL (CU YD)	STORM SEWERS CLASS A, TYPE 1			STORM SEWERS CLASS A, TYPE 2		STORM SEWER WATER MAIN REQUIREMENTS	
					12" (FOOT)	18" (FOOT)	24" (FOOT)	12" (FOOT)	24" (FOOT)	12" (FOOT)	15" (FOOT)
ILLINOIS ROUTE 19 (IRVING PARK ROAD)				20800150	550A0050	550A4000	550A0120	550A0340	550A0410	Z0056608	Z0056610
238	239	237	0.23%	78.6			115.0				
240	241	239	0.18%	173.4					159.0		
242	243	241	2.00%	52.2		157.0					
244	245	243	0.89%	1.5				4.5			
276	277	279	1.00%	14.7						57.0	
278	279	239	1.03%	4.0				30.0			
280	281	283	1.05%	2.7				9.5			
282	283	285	1.01%	12.2						56.5	
284	285	241	1.05%	1.5	9.5						
286	287	245	1.00%	17.3						62.0	
288	289	287	1.01%	60.8				83.5			
290	291	245	0.99%	28.9				84.5			
302	301	303	0.50%	50.2						147.0	
304	303	305	0.50%	98.1							145.0
306	307	301	0.51%	3.1						17.5	
308	309	303	1.00%	9.5						15.0	
310	311	305	0.96%	4.8						12.5	
SUBTOTAL ILLINOIS ROUTE 19				613.5	9.5	157.0	115.0	212.0	159.0	367.5	145.0
BARTLETT ROAD											
402	403	401	1.74%	1.8		11.5					
404	405	403	1.00%	2.3		17.0					
406	407	401	0.49%	6.3		41.0					
408	409	407	1.00%	2.3		17.0					
410	413	411	1.00%	2.2		17.0					
412	415	411	0.99%	5.7		42.5					
414	419	417	1.00%	2.3		17.0					
416	421	417	0.99%	7.4		48.5					
502	501	503	1.00%	52.3				61.0			
504	503	505	1.00%	10.7				14.0			
506	505	507	0.99%	21.2						33.5	
508	511	509	1.67%	0.8		6.0					
510	513	509	1.01%	7.0		52.5					
512	517	515	1.54%	1.0		6.5					
514	519	515	1.02%	6.9		52.0					
516	523	521	1.00%	1.4				7.0			
518	525	521	1.02%	7.0		46.0					
520	529	527	0.93%	1.5				7.5			
522	531	527	1.00%	7.1		40.0					
SUBTOTAL BARTLETT ROAD				147.2	414.5	0.0	0.0	89.5	0.0	33.5	0.0
TOTAL				760.7	424.0	157.0	115.0	301.5	159.0	401.0	145.0

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-drain-SCH.dgn
 FILE NAME: 190567-srt-drain-SCH.dgn
 PEN TABLE: 190567-srt-drain-SCH.dgn



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PIPE SCHEDULE
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	46
CONTRACT NO.			61H15	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DRAINAGE STRUCTURE SCHEDULE

STR. ID	STATION	OFFSET	STRUCTURE TYPE	MANHOLES, CB & INLETS RIM ELEV.	STORM SEWER INVERTS							PIPE UNDERDRAIN INVERTS			
					NORTHEAST	NORTH	NORTHWEST	WEST	SOUTHWEST	SOUTH	SOUTHEAST	EAST	NORTH	WEST	SOUTH
ILLINOIS ROUTE 19															
EX237	538+85.0	-40.00	EX MAN TA 5 DIA T1F CL	798.48					793.91		795.38		794.93		
239	540+05.0	-45.20	MAN TA 5 DIA T1F CL	800.92					795.20			796.09	795.20		
241	541+71.0	-34.50	MAN TA 5 DIA T1F CL	802.99					795.47			798.92	795.47		
243	543+35.0	-34.50	MAN TA 4 DIA T1F CL	807.28					795.89						
245	543+40.0	-27.50	CB TA 4 DIA T24F&G	807.14							802.64		802.64		804.43
277	540+36.1	30.26	INLETS TA T24F&G	802.57										799.85	
279	540+36.0	-29.61	CB TA 4 DIA T24F&G	800.90				796.40			796.40				798.20
281	541+75.5	43.93	MAN TA 4 DIA T1F CL	804.87								EX 799.69			
283	541+83.0	32.92	CB TA 4 DIA T24F&G	804.68								799.59			
285	541+83.0	-27.50	CB TA 4 DIA T24F&G	803.00				799.02				799.02			
287	543+40.0	38.50	CB TA 4 DIA T24F&G	808.98									803.26	806.27	
289	544+25.0	38.50	INLETS TA T24F&G	812.15					804.10						
291	544+28.3	-27.72	INLETS TA T11F&G	810.33					803.48						
301	547+95.0	48.00	MAN TA 4 DIA T1F CL	821.22									817.79		
303	549+45.0	45.50	MAN TA 4 DIA T1F CL	822.36									817.06		
305	550+95.0	45.50	MAN TA 4 DIA T1F CL	822.37									817.53		
307	547+95.0	27.50	CB TC T24F&G	819.95								817.88		817.24	
309	549+45.0	27.50	CB TC T24F&G	821.71								817.21			
311	550+95.0	30.20	CB TC T24F&G	822.15								817.65		819.44	
313	547+76.6	-38.50	CB TC T24F&G	819.66				EX 817.53							
BARTLETT ROAD															
401	611+27.3	17.76	MAN TA 5 DIA T1F CL	818.19											
403	611+27.3	33.49	CB TA 4 DIA T10F&G	817.88					EX 803.43		814.00		EX 803.44		814.00
405	611+47.3	35.09	INLETS TA T10F&G	817.87									814.37		
407	611+27.3	-27.50	CB TA 4 DIA T11F&G	818.00							814.20			815.29	815.29
409	611+47.3	-27.50	INLETS TA T11F&G	818.02									814.37		
411	612+30.0	18.27	MAN TA 5 DIA T1F CL	818.70					EX 803.26		814.70		EX 803.27		814.70
413	612+30.0	38.50	CB TC T11F&G	818.30							814.87				
415	612+30.0	-27.50	CB TC T11F&G	818.52										815.12	
417	613+64.3	18.17	MAN TA 5 DIA T1F CL	817.11					EX 803.04		813.11		EX 803.04		813.11
419	613+63.0	38.50	CB TC T11F&G	816.74							813.28				
421	613+40.0	-27.50	CB TC T11F&G	817.51										813.59	
501	614+91.1	98.62	INLETS TA T24F&G	817.33							808.58				814.62
503	615+17.2	40.20	CB TA 4 DIA T11F&G	8014.53					807.97					807.97	
505	615+32.6	48.97	CB TA 4 DIA T8G	815.53							807.83		807.83		
507	615+54.5	18.10	MAN TA 5 DIA T1F CL	812.83					EX 801.90				EX 801.90		807.50
509	616+00.0	17.82	MAN TA 6 DIA T1F CL	811.71					EX 801.24		807.71		EX 801.33		807.71
511	616+00.0	27.50	CB TC T11F&G	811.52							807.81			808.81	
513	616+00.0	-38.50	CB TC T11F&G	811.30										808.24	808.59
515	616+97.0	17.22	MAN TA 6 DIA T1F CL	809.14					EX 799.84		805.14		EX 799.92		805.14
517	616+97.0	27.50	CB TC T11F&G	808.93							805.24				
519	616+97.0	-38.50	CB TC T11F&G	808.71										805.67	
521	618+47.0	16.86	MAN TA 6 DIA T1F CL	804.93					EX 797.75		800.43		EX 797.75		800.43
523	618+47.0	27.50	CB TC T11F&G	804.72							800.50				
525	618+47.0	-33.11	CB TC T11F&G	804.61										800.90	
527	619+86.1	17.26	MAN ADJ NEW T1F CL	802.12					EX 795.82		797.62		EX 795.82		797.62
529	619+92.0	26.22	CB TC T11F&G	801.86							797.69				
531	619+86.3	-26.40	CB TC T11F&G	801.94										799.15	
533	620+64.0	17.13	PR RESTRICTOR	801.07					EX 794.82						799.23

DATE	BY
SURVEYED	CHECKED
PLANNED	FILED
NOTE BOOK NO.	FILE NAME

DATE	BY
SURVEYED	CHECKED
PLANNED	FILED
NOTE BOOK NO.	FILE NAME

HRG PROJECT NO.: 190667
 HRG PROJ. CONTACT: 190667-snt-drain-sch.dgn
 FILE NAME: 190667-snt-drain-sch.dgn
 PEN TABLE: 190667-snt-drain-sch.dgn



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PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE SCHEDULE
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	47
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.			61H15	

WATER MAIN CONFLICT SCHEDULE

SS PIPE NUMBER	LOCATION		CONFLICT TYPE	TOP OF PIPE ELEVATION	BOTTOM OF PIPE ELEVATION	CLEARANCE (FOOT)	MITIGATION
	STATION	OFFSET (+ RT, - LT)					
276	540+36.06	24.0	HORIZONTAL CROSSING	795.03	799.30	4.27	WATER MAIN QUALITY STORM SEWER PIPE.
282	541+83	24	HORIZONTAL CROSSING	797.68	799.85	2.17	WATER MAIN QUALITY STORM SEWER PIPE.
286	543+40	24	HORIZONTAL CROSSING	804.14	805.59	1.45	WATER MAIN QUALITY STORM SEWER PIPE.
306							WATER MAIN QUALITY STORM SEWER PIPE.
308	549+45	36.96	LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
310	550+95.4	38.49	LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
506	615+40.8	37.38	HORIZONTAL CROSSING	806.24	807.52	1.28	WATER MAIN QUALITY STORM SEWER PIPE.

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

PIPE UNDERDRAIN SCHEDULE

LOCATION						PIPE UNDERDRAINS TYPE 2
UPSTREAM BEGIN STATION	OFFSET (FOOT)	DOWNSTREAM END STATION	OFFSET (FOOT)			
ILLINOIS ROUTE 19						4" (FOOT) 60108204
540+36.00	0.0	LT	540+36.00	29.6	LT	
540+36.07	0.0	RT	540+36.07	30.3	RT	
543+40.00	0.0	LT	543+40.00	27.5	LT	
543+40.00	0.0	RT	543+40.00	38.5	RT	
546+30.00	0.0	LT	546+30.00	38.5	LT	
547+95.00	0.0	RT	547+95.00	27.5	RT	
550+95.00	0.0	RT	550+95.00	30.2	RT	
549+99.18	34.8	RT	552+61.51	31.5	RT	
SUBTOTAL ILLINOIS ROUTE 19						
BARTLETT ROAD						
610+27.32	25.5	LT	611+27.32	27.5	LT	100.0
610+27.32	27.6	RT	611+27.48	33.5	RT	100.0
611+27.32	0.0	RT	611+27.32	33.5	RT	33.5
611+27.32	0.0	LT	611+27.32	27.5	LT	27.5
611+27.32	33.5	RT	612+27.32	34.0	RT	100.0
611+27.32	27.5	LT	612+27.32	32.6	LT	100.0
616+00	0.0	RT	616+00	27.5	RT	27.5
616+00	0.0	LT	616+00	38.5	LT	38.5
616+86.26	0.0	LT	616+86.26	26.4	LT	26.4
619+92	0.0	RT	619+92	26.2	RT	26.2
SUBTOTAL BARTLETT ROAD						579.6
TOTAL						1,063

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

HRG PROJECT NO.: 190567
 HRG PROJ CONTACT: 190567-sm+drain-sch.dgn
 FILE NAME: 190567-sm+drain-sch.dgn
 PEN TABLE: pen.tbl



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STATE OF ILLINOIS
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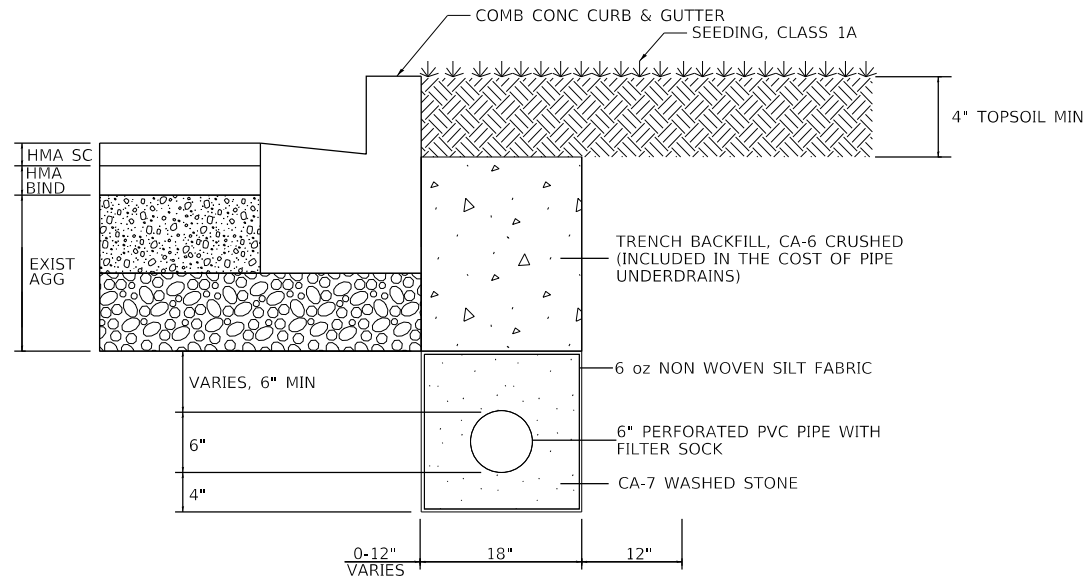
WATER MAIN CONFLICT SCHEDULE			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 5 OF 5 SHEETS	STA.	TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	48
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

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

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm-draindef-01.dgn
 FILE NAME: 190567-sm-draindef-01.dgn
 PEN TABLE: pen.tbl



CONSTRUCTION NOTES:

SPRINKLER REPAIR, IF ENCOUNTERED, INCLUDED IN COST OF WORK.

SLOTTED OR PERFORATED PIPE MAY BE POLYVINYL CHLORIDE (PVC) OR HIGH-DENSITY POLYETHYLENE PIPE (HDPE)

OPENINGS WILL BE ON ONE HALF OF THE PIPE ONLY.

THE PIPE UNDERDRAIN SHALL BE PLACED SO THAT SLOTTED HALF FACES UPWARD TOWARDS THE TOP OF THE TRENCH.

PIPE UNDERDRAINS, TYPE 2, 4"



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS	
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD	
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	49
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

WATER MAIN GENERAL NOTES:

1. THE CONTRACTOR SHALL VIDEO RECORD THE ENTIRE PROJECT ROUTE PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS. THE CONTRACTOR SHALL PROVIDE ONE COPY TO THE VILLAGE OF STREAMWOOD AND ONE COPY TO THE ENGINEER.
2. ALL WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH PLANS, SPECIFICATIONS, DETAILS, AND SPECIAL PROVISIONS; IN ACCORDANCE WITH CODES AND ORDINANCES OF THE VILLAGE OF STREAMWOOD, THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION), STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST VERSION) AND SUPPLEMENTAL SPECIFICATIONS, AND IEPA TITLE 35.
3. THE CONTRACTOR SHALL COORDINATE ANY WATER MAIN SHUT-DOWNS OR SERVICE INTERRUPTIONS WITH THE VILLAGE OF STREAMWOOD A MINIMUM OF 48 HOURS PRIOR TO SUCH ACTIVITIES. THE CONTRACTOR SHALL COORDINATE THE OPERATION OF ANY VALVES WITH STREAMWOOD PERSONNEL.
4. EXISTING AND FUTURE UTILITIES, STRUCTURES, TREES, AND PAVEMENT LOCATIONS SHOWN ARE APPROXIMATE. THE COMPLETENESS AND ACCURACY OF THIS INFORMATION AND ARE NOT GUARANTEED BY THE ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS OF THESE OR ANY OTHER EXISTING FACILITIES AS REQUIRED TO COMPLETE THE WORK.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE PROPOSED WATER MAIN AND SERVICE LINE INSTALLATION CONFORMS TO ALL STATE, LOCAL, AND PROJECT-SPECIFIC REQUIREMENTS WITH REGARD TO MINIMUM COVER, SEPARATION, ETC. SEPARATION BETWEEN WATER MAINS AND SEWERS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, LATEST EDITION.
6. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, PIPELINES, ETC. SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE ENGINEER AND THE OWNER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED, AND THAT THE ACTUAL LOCATION OF THOSE WHICH ARE SHOWN MAY BE DIFFERENT FROM THE LOCATION AS SHOWN ON THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND LOCATE THEIR FACILITIES PRIOR TO ANY WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND OPERATOR OF THE DAMAGED UTILITY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF STREAMWOOD TO IDENTIFY WATER SERVICE LINES PRIOR TO CONSTRUCTION. LOCATIONS OF EXISTING CURB STOPS AND WATER SERVICE LINES ARE SHOWN ON THE DRAWINGS WHERE KNOWN. WHERE THESE EXISTING UTILITIES ARE NOT IDENTIFIED, THE CONTRACTOR SHALL FIELD LOCATE THE EXISTING CURB STOP AND INSTALL THE PROPOSED CURB STOP AS CLOSE AS FEASIBLE TO THE EXISTING CURB STOP WHILE REMAINING WITHIN THE PUBLIC RIGHT-OF-WAY. IN ORDER TO MINIMIZE SHUTDOWNS OF THE EXISTING WATER MAIN, THE CONTRACTOR SHALL INSTALL ALL NEW SERVICE LINES FROM THE PROPOSED MAIN TO THE PROPOSED CURB STOPS, AND TIE IN THE EXISTING SERVICE LINES DOWNSTREAM OF THE EXISTING CURB STOPS TO THE PROPOSED CURB STOPS.
9. EXISTING WATER SERVICE SIZES SHALL BE DETERMINED IN THE FIELD. NEW WATER SERVICE LINES SHALL MATCH THAT OF THE EXISTING WATER SERVICE, EXCEPT THAT THE MINIMUM SIZE SHALL BE 1" DIAMETER.
10. TEMPORARY PLUGS, SLEEVES, FLUSHING HYDRANTS, AND BLOWOFF TAPS MAY BE NEEDED FOR PRESSURE TESTING OF THE NEW MAIN PRIOR TO MAKING CONNECTIONS TO THE EXISTING DISTRIBUTION SYSTEM. THESE ITEMS ARE CONSIDERED INCLUDED IN THE COST OF THE INSTALLATION OF WATER MAINS.
11. REMOVAL AND DISPOSAL OF EXISTING PIPING, FITTINGS, ETC. SHALL BE INCLUDED IN THE COST OF ABANDON EXISTING WATER MAIN, FILL WITH CLSM, AND ALL MATERIALS SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL REMOVE ALL VALVES, CASTINGS, OR HYDRANTS FROM THE WATER MAIN TO BE ABANDONED. EXISTING BASINS OR VAULTS SHALL BE ABANDONED IN PLACE AND FILLED WITH SAND UNLESS OTHERWISE INDICATED ON THE PLANS. WHEN REQUESTED BY THE VILLAGE OF STREAMWOOD, THE CONTRACTOR SHALL SALVAGE AND DELIVER TO THE VILLAGE ANY EXISTING VALVES, CASTINGS, OR HYDRANTS FROM THE ADANDONED WATER MAIN. ALL OTHER PIPE AND APPURTENANCES REMOVED FROM THE ABANDONED WATER MAIN SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
13. THE WATER MAIN SHALL BE INSTALLED TO A MINIMUM COVER OF FIVE AND ONE HALF (5.5) FEET UNLESS OTHERWISE INDICATED ON THE PLANS.
14. EXISTING WATER MAINS TO BE ABANDONED WHICH ARE LARGER THAN 12" IN DIAMETER SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM).
15. THE CONTRACTOR SHALL USE REASONABLE MEASURES TO PROTECT TREES NOT IDENTIFIED TO BE REMOVED. ALL TREES DAMAGED BEYOND REPAIR SHALL BE REPLACED IN KIND OF THE LARGEST PRACTICAL SIZE AT NO ADDITIONAL COST TO OWNER. ALL SIGNS AND UTILITY POLES SHALL BE REINSTALLED OR REPLACED AS REQUIRED AT NO ADDITIONAL COST TO OWNER.
16. TEMPORARY SUPPORT OR RELOCATION OF EXISTING UTILITIES MAY BE REQUIRED AS A RESULT OF CONSTRUCTION OF THIS PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE REQUIRED WORK WITH THE RESPECTIVE UTILITY COMPANIES IN ORDER TO AVOID UNNECESSARY DELAYS TO CONSTRUCTION. THE CONTRACTOR SHALL WORK CLOSELY WITH THE UTILITIES TO LOCATE, PLAN, AND SUPPORT THESE FACILITIES IN A MANNER WHICH MINIMIZES UTILITY SHUT-OFF AND KEEPS THE PROJECT ON SCHEDULE.
17. ALL DUCTILE IRON FITTINGS SHALL BE ENCASED IN POLYETHYLENE WRAP IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
18. THE CONTRACTOR SHALL PROVIDE THE LABOR AND EQUIPMENT NECESSARY TO DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL UTILITY CROSSINGS WHICH MAY CAUSE CONFLICTS. THESE DETERMINATIONS SHALL BE MADE PRIOR TO THE START OF ACTUAL CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING EXCAVATION. THE CONTRACTOR SHALL ALSO THEN UNCOVER THE UTILITY, ASSIST THE ENGINEER IN DETERMINING THE ELEVATION AT THE PIPE, AND BACKFILL THE EXCAVATION.
19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAUL AND PROPERLY DISPOSE OF EXCESS MATERIAL (INCLUDING EXCAVATED MATERIAL OR BROKEN CONCRETE) WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED ON THIS PROJECT. NO PAYMENT WILL BE ALLOWED FOR MATERIAL DISPOSED OF AND NOT INCORPORATED INTO THE WORK. NO MATERIAL SHALL BE PLACED OUTSIDE OF THE RIGHT-OF-WAY, UNLESS SPECIFICALLY STATED IN THE PLANS OR APPROVED BY THE ENGINEER.
20. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCESS TO INDIVIDUAL PROPERTIES DURING CONSTRUCTION. PROPERTY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF WORK THAT WOULD AFFECT OR ALTER THEIR ACCESS. TEMPORARY ACCESS DRIVES SHALL BE PROVIDED FOR ALL PROPERTIES IF ACCESS IS TO BE DISRUPTED FOR AN EXCESSIVE AMOUNT OF TIME, AS DETERMINED BY OWNER AND ENGINEER. TEMPORARY ACCESS DRIVES SHALL CONSIST OF FULL-DEPTH CLEAN CRUSHED STONE PROPERLY COMPACTED.
21. OWNER WILL PROVIDE THE CONTRACTOR WATER FOR FLUSHING, DISINFECTION, AND PRESSURE TESTING OPERATIONS FREE OF CHARGE. WATER WILL BE MADE AVAILABLE THROUGH EXISTING WATER MAIN CONNECTIONS OR NEARBY FIRE HYDRANTS. THE CONTRACTOR SHALL PROVIDE BACKFLOW PREVENTION DEVICES FOR FIRE HYDRANT CONNECTIONS. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS FOR WATER CONSERVATION.
22. A PRECAST CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CONNECTION POINTS WITH EXISTING PIPING BETWEEN NEW CONNECTION FITTINGS AND EXISTING PIPING. CONCRETE THRUST BLOCKS ARE INCLUDED IN THE COST OF WATER MAIN.
23. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL 1-800-368-5876 (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 AND THE VILLAGE OF STREAMWOOD FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
24. NO EXCAVATIONS WILL BE PERMITTED TO REMAIN OPEN OVER ANY WEEKEND AND NO EXCAVATIONS SHALL BE LEFT OPEN OVERNIGHT IN ANY RESIDENTIAL AREA.
25. THE ENGINEER AND VILLAGE ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

26. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING SEWER MAIN DURING CONSTRUCTION. ANY DAMAGE TO THE SEWER MAIN WHERE THE CONTRACTOR IS AT FAULT SHALL BE PAID FOR BY THE CONTRACTOR. CONTRACTOR SHALL USE SEWER CAMERA TO FILM SEWER OVER ENTIRE LENGTH OF PROJECT AREA UPON COMPLETION OF PROJECT. THE COST OF THIS WORK IS INCLUDED IN THE COST OF THE WATER MAIN INSTALLATION.
27. RECORD DRAWINGS FOR THE NEW WATER MAINS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE VILLAGE OF STREAMWOOD UPON THE PROJECT COMPLETION. ANY VARIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE INDICATED ON THE RECORD DRAWINGS.
28. THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE SEQUENCE OF PRESSURE TESTING AND DISINFECTION OF THE PROPOSED WATER MAINS TO THE VILLAGE AND ENGINEER FOR APPROVAL. THE PLAN SHALL INCLUDE AT MINIMUM ALL PHASING, PROPOSED SHUT-DOWNS, PRESSURE TESTING PROCEDURES, METHODS OF CHLORINATION, SEQUENCE OF CONNECTIONS, TRANSFER OF SERVICES, AND ABANDONMENTS OF EXISTING WATER MAIN.
29. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF WATER MAINS AND THE ABANDONMENT OF EXISTING WATER MAINS. A MINIMUM OF 2 (TWO) WEEKS NOTICE SHALL BE PROVIDED TO THE VILLAGE OF STREAMWOOD PRIOR TO ACTIVITIES IMPACTING WATER MAINS.
30. EXISTING WATER MAINS SHALL REMAIN IN SERVICE UNTIL THE NEW WATER MAINS PASS ALL REQUIRED TESTS. SERVICE TRANSFERS SHALL BE MADE ONCE NEW WATER MAINS ARE APPROVED.
31. SHUT-DOWNS OF WATER MAINS AND SERVICE INTERRUPTIONS ARE PROHIBITED BEFORE 6:00PM ON WEEKDAYS AND 1:00PM ON SATURDAYS.
32. WATER MAIN SHUTDOWNS TO BUSINESSES WILL NEED TO BE COMPLETED AT OFF BUSINESS HOURS. THE COST OF THIS WORK IS INCLUDED IN THE COST OF THE WATER MAIN INSTALLATION.

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

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-swt-pr-watmain-in-no-fes.dgn
 FILE NAME: 190567.dwg
 PEN TABLE: 190567.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
PLOT SCALE = 80.0000' / in.	DRAWN - DMS	REVISED -
PLOT DATE = 8/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

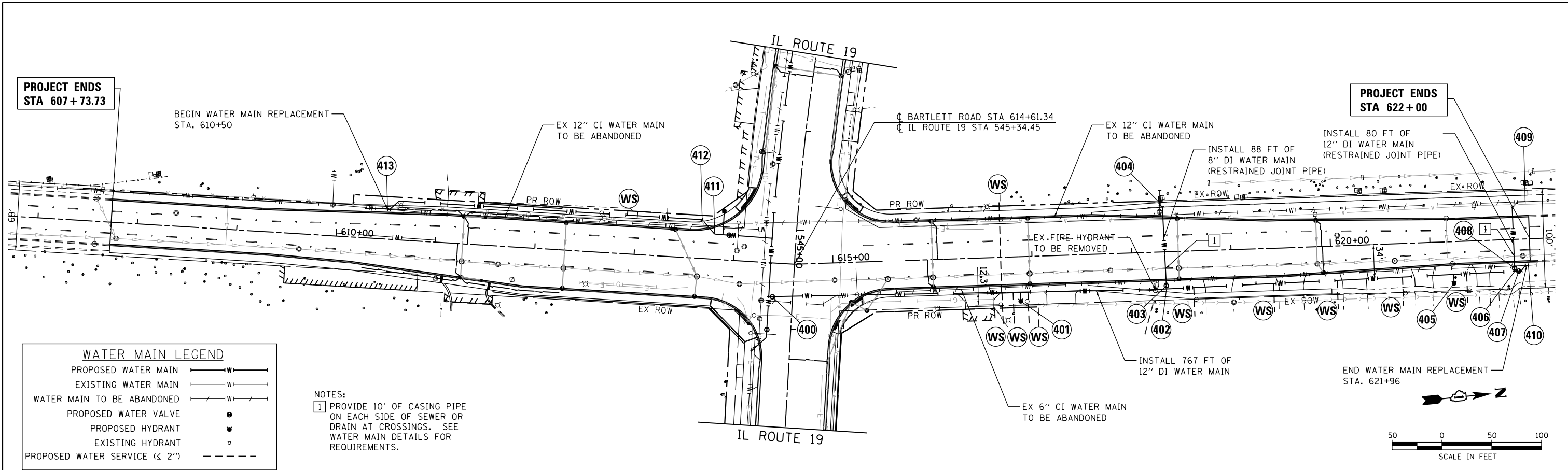
WATER MAIN NOTES			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: N.T.S.	SHEET 1	OF 6 SHEETS	STA. TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	50
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT
			CONTRACT NO.	61H15

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	CARD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-swt-pwwatermain-02.dgn
 FILE NAME: 190567.dwg
 PEN TABLE: pwtbltbl.tbl



WATER MAIN LEGEND

PROPOSED WATER MAIN ——— W ———

EXISTING WATER MAIN ——— W ———

WATER MAIN TO BE ABANDONED ——— W ———

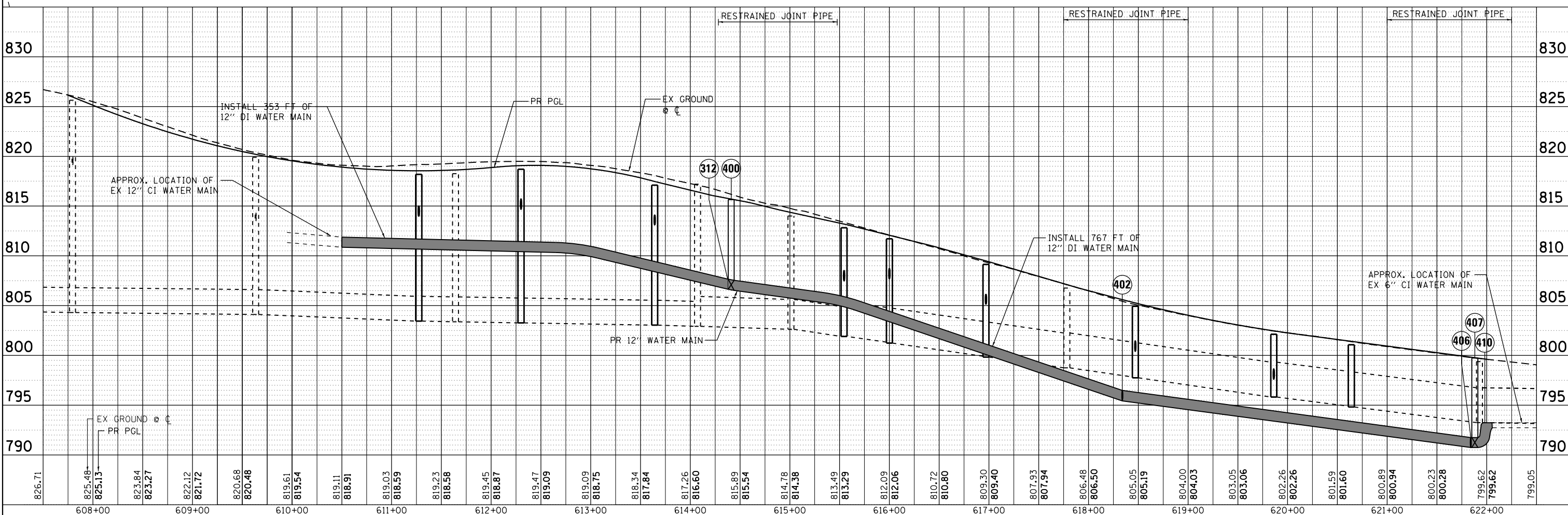
PROPOSED WATER VALVE ●

PROPOSED HYDRANT ▼

EXISTING HYDRANT ◻

PROPOSED WATER SERVICE (≤ 2") - - - - -

NOTES:
 1 PROVIDE 10' OF CASING PIPE ON EACH SIDE OF SEWER OR DRAIN AT CROSSINGS. SEE WATER MAIN DETAILS FOR REQUIREMENTS.



	USER NAME = jhorwit DESIGNED - JRM DRAWN - DMS CHECKED - DATE -	REVISED - 9/17/2021 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN PLAN AND PROFILE IL RTE 19 (IRVING PARK RD) AND BARTLETT RD	F.A.U. RTE. 1321 SECTION NO. 10-00055-01-WR COUNTY COOK TOTAL SHEETS 148 SHEET NO. 52
	PLOT SCALE = 100.0000' / 1"	PLOT DATE = 9/17/2021			SCALE: 1"=50' SHEET 3 OF 6 SHEETS STA. TO STA.

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

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

- 300 REMOVE EXISTING 12" 45° BEND
CONNECTION TO EXISTING 12" DI WATER MAIN WITH:
12" SLEEVE, MJ
ABANDON EXISTING WATER MAIN TO THE EAST
STA. 539+40.00, 24.00' RT
INV = 792.34
- 301 12" X 6" TEE, MJ
STA. 540+70.54, 24.00' RT
INV = 794.18
- 302 6" GATE VALVE IN VAULT
STA. 540+70.54, 50.92' RT
- 303 CONNECTION TO EXISTING 6" WATER SERVICE WITH:
6" TRANSITION COUPLING
2 - 6" 45° BENDS, MJ
STA. 540+64.23, 63.73' RT
- 304 HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 15' OF 6" DI WATER MAIN AND 12" X 6 TEE, MJ
STA. 541+21.27, 39.10' RT
- 305 12" X 6" TEE, MJ
STA. 541+97.92, 24.00' RT
INV = 796.55
- 306 6" GATE VALVE IN VAULT
STA. 541+98.21, 54.95' RT
- 307 CONNECTION TO EXISTING 6" FIRE SERVICE LINE WITH:
6" TRANSITION COUPLING
6" 90° BEND, MJ
STA. 542+02.13, 70.92' RT
- 308 12" X 12" TEE, MJ
STA. 545+09.89, 24.00' RT
INV = 804.52
- 309 12" GATE VALVE IN VAULT
STA. 545+09.71, 67.25' RT
- 310 HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 24' OF 6" DI WATER MAIN AND 12" X 6 TEE, MJ
STA. 544+86.51, 73.88' RT
- 311 CONNECTION TO EXISTING 12" CI WATER MAIN WITH:
12" TRANSITION COUPLING
2 - 12" 45° BENDS, MJ
ABANDON EXISTING WATER MAIN TO THE NORTH
STA. 545+03.31, 91.58' RT
- 312 12" X 12" TEE, MJ
STA. 545+68.45, 24.00' RT
INV = 806.21
- 313 12" GATE VALVE IN VAULT
STA. 546+01.67, 24.00' RT
INV = 807.32
- 314 12" 45° BEND, MJ
STA. 546+09.60, 24.00' RT
INV = 807.56
- 315 CONNECTION TO EXISTING 8" CI WATER MAIN WITH:
8" TRANSITION COUPLING
12" X 8" REDUCER, MJ
12" 45° BEND, MJ
ABANDON EXISTING WATER MAIN TO THE WEST
STA. 546+24.00, 38.40' RT
INV = 808.75
- 400 12" GATE VALVE IN VAULT
STA. 614+41.14, 34.01' RT
INV = 806.14
- 401 HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 5' OF 6" DI WATER MAIN AND 12" X 6 TEE, MJ
STA. 616+87.25, 44.81' RT
- 402 12" X 8" TEE, MJ
STA. 618+33.97, 37.32' RT
INV = 794.99
- 403 8" GATE VALVE IN VAULT
STA. 618+33.92, 34.10' RT
- 404 CONNECTION TO EXISTING 8" CI WATER MAIN WITH:
8" TRANSITION COUPLING
2 - 8" 45° BENDS, MJ
ABANDON EXISTING WATER MAIN TO THE EAST
STA. 618+30.02, 49.36' LT
- 405 HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 5' OF 6" DI WATER MAIN AND 12" X 6 TEE, MJ
STA. 621+22.75, 42.00' RT
- 406 12" X 12" TEE, MJ
STA. 621+84.00, 32.19' RT
INV = 790.31
- 407 12" GATE VALVE IN VAULT
STA. 621+88.07, 32.13' RT
INV = 790.31
- 408 12" GATE VALVE IN VAULT
STA. 621+84.00, 29.00' RT
- 409 CONNECTION TO EXISTING 12" CI WATER MAIN WITH:
12" TRANSITION COUPLING
2 - 12" 45° BENDS, MJ
ABANDON EXISTING WATER MAIN TO THE SOUTH
STA. 621+98.00, 37.45' LT
- 410 CONNECTION TO EXISTING 6" CI WATER MAIN WITH:
6" TRANSITION COUPLING
12" X 6" REDUCER, MJ
2 - 12" 45° BENDS, MJ
ABANDON EXISTING WATER MAIN TO THE SOUTH
STA. 621+98.00, 26.59' RT
INV = 792.73
- 411 12" 45° BEND, MJ
STA. 613+79.46, 25.32' LT
INV=808.02
- 412 12" 45° BEND, MJ
STA. 613+66.07, 39.00' LT
INV=808.34
- 413 CONNECTION TO EXISTING 12" CI WATER MAIN WITH:
12" TRANSITION COUPLING
2 - 12" 45° BENDS, MJ
ABANDON EXISTING WATER MAIN TO THE SOUTH
STA. 610+50, 29.92' LT

(WS) WATER SERVICE LOCATION (2" DIA. AND SMALLER)

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-prwmm-10ops.dgn
 FILE NUMBER: 190567-10-00055-01-WR
 PEN TABLE: 190567.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 2.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN TAGS
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: N.T.S. SHEET 4 OF 6 SHEETS STA. TO STA.

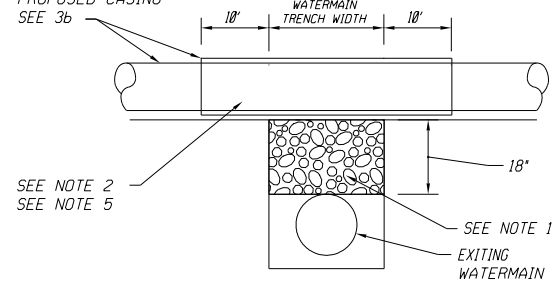
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	53
CONTRACT NO.			61H15	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

WATER AND SEWER SEPARATION REQUIREMENTS DETAIL

EXISTING WATERMAIN BELOW PROPOSED SEWER LINE WITH 18" MINIMUM SEPARATION.

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

PROPOSED SEWER SEE 3a, OR PROPOSED CASING SEE 3b

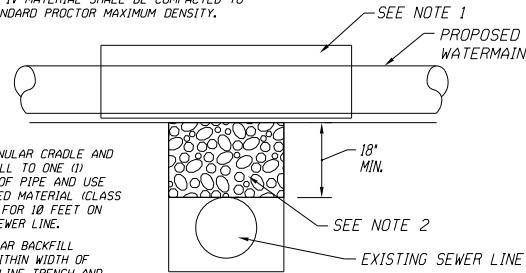


- NOTES:**
1. IF SELECT GRANULAR BACKFILL EXISTS; REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
 2. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF WATER MAIN.
 3. a. CONSTRUCT 10 FEET OF PROPOSED SEWER WITH WATERMAIN QUALITY PIPE AND PRESSURE TEST, OR:
b. USE 10 FEET OF CASING FOR PROPOSED SEWER AND SEAL ENDS OF CASING.
 4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN.
 5. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATERMAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

▲ TAKEN FROM THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS - SEE PAGES 156-159.

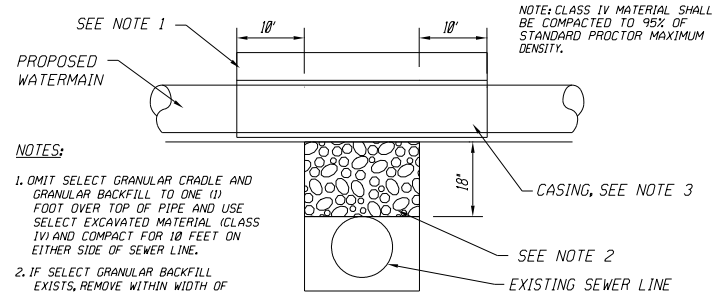
PROPOSED WATERMAIN ABOVE EXISTING SEWER LINE WITH 18" MINIMUM SEPARATION.

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

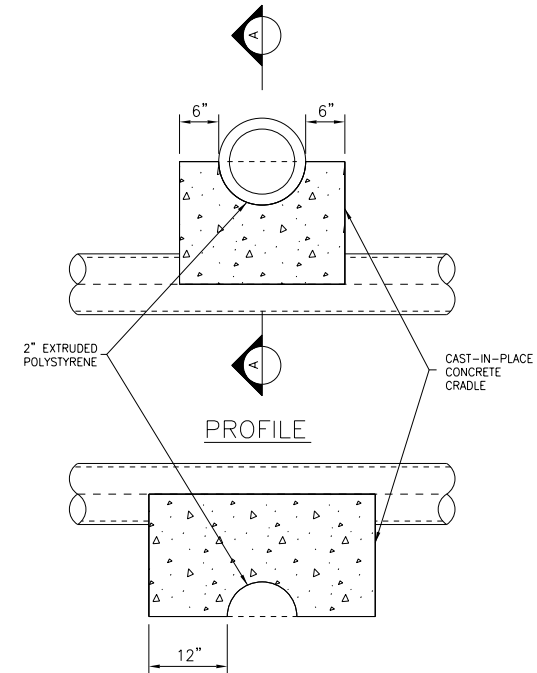


- NOTES:**
1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER LINE.
 2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH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

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

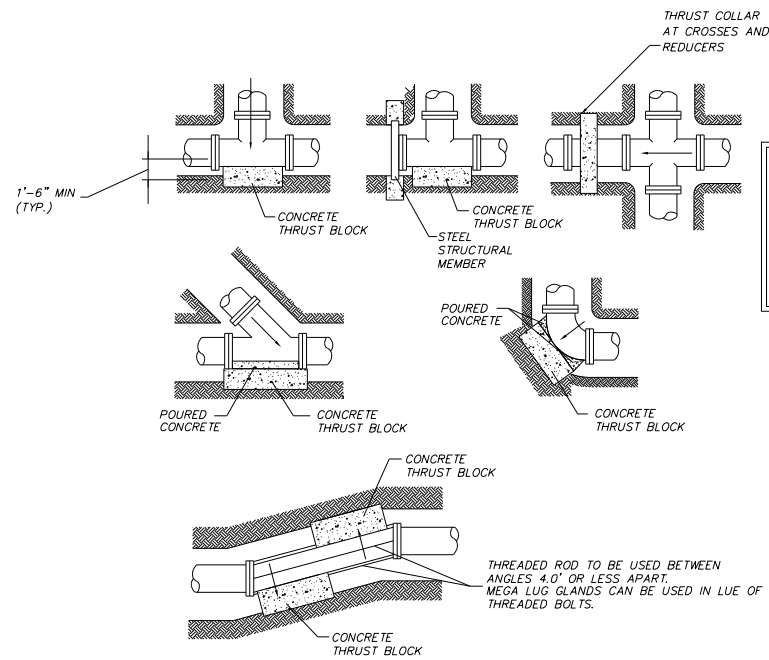


- NOTES:**
1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER LINE.
 2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
 3. USE A CASING FOR PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
 4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN OR WATERMAIN AND SEWER.



**SECTION A-A
CONCRETE CRADLE
FOR PIPE SUPPORT**
NO SCALE

TO BE USED WHEN CLEARANCE BETWEEN PIPES IS 12" OR LESS AS DIRECTED BY THE ENGINEER



BEARING AREA (SQ. FT.)				
PIPE DIA.	TEE, PLUG & COLLAR	90°	45°	22.5°
≤ 6"	8	8	5	3
8"	14	14	8	4
12"	28	28	16	8

BEARING AREA = LENGTH X WIDTH
MINIMUM THRUST BLOCK DEPTH = 1'-6"

- NOTES:**
1. PROVIDE THRUST BLOCKS AT BENDS THAT ARE 11.25° AND GREATER.
 2. ALL BLOCKING MUST BEAR ON UNDISTURBED EARTH ONLY. IF UNSTABLE SOILS ARE ENCOUNTERED THE CONTRACTOR SHALL PROVIDE SUITABLE BACKFILL AND COMPACT AS APPROVED BY THE ENGINEER.
 3. CONCRETE SHALL BE 3,000 PSI MINIMUM.
 4. PROVIDE THRUST BLOCKS AT ALL REQUIRED BENDS AND FITTINGS FOR WATER MAIN PIPE THAT IS 12" DIAMETER AND SMALLER.
 5. WATER MAIN PIPE THAT IS 16" DIAMETER AND LARGER SHALL BE RESTRAINED JOINT TYPE IN LIEU OF THRUST BLOCKS, EXCEPT WHERE THRUST BLOCKS ARE INDICATED ON THE PLANS.
 6. PROVIDE THRUST BLOCKS OR OTHER MEANS OF THRUST RESTRAINT AS APPROVED BY THE ENGINEER AT ALL TEMPORARY LINE STOPS.
 7. USE LARGER END DIAMETER FOR THRUST COLLAR BEARING AREA INSTALLED ON REDUCERS. INSTALL COLLAR AT CENTER POINT OF REDUCER.

THRUST BLOCK DETAIL
SCALE: NTS

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

DATE	BY	SURVEYED	PLOTTED	CHECKED
PROFILE	NOTE BOOK NO.	FILE NAME	PROJECT NO.	DATE

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smt-pr@watermain-06-talis-04.dgn
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 PEN TABLE: 190567.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
PLOT SCALE = 80.0000' / in.	DRAWN - DMS	REVISED -
PLOT DATE = 8/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN DETAILS
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

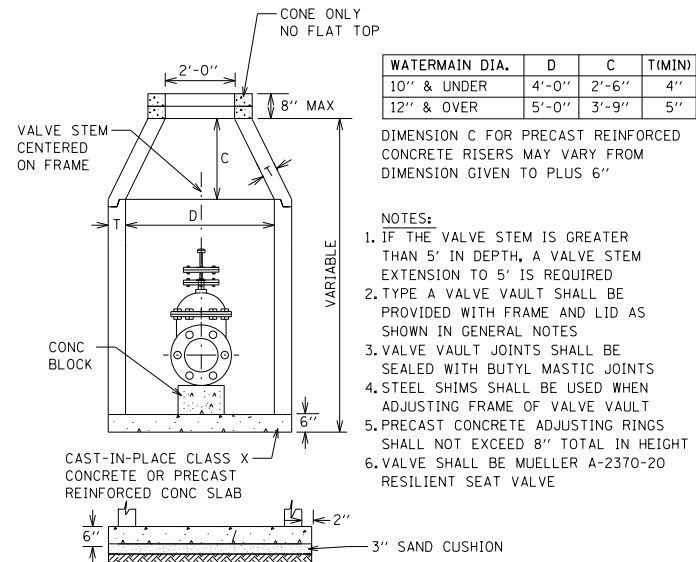
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	54
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.			61H15	

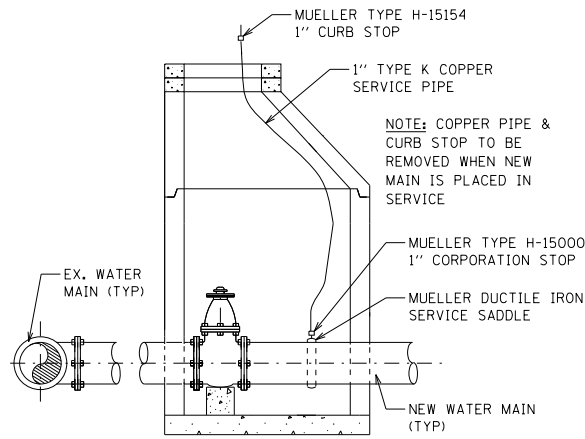
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BY	
PLAN	SURVEYED
	PLOTTED
	NOTED
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DATE	
BY	
PROFILE	SURVEYED
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	NO.

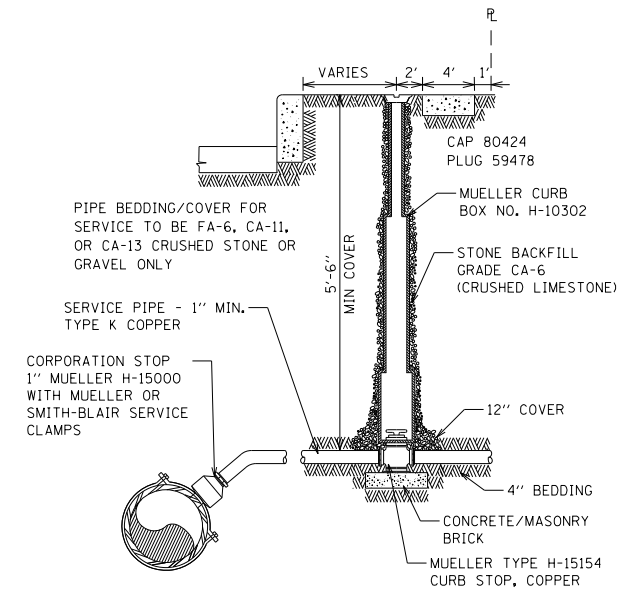
STANDARD DESIGN FOR VALVE VAULT (TYPE A)



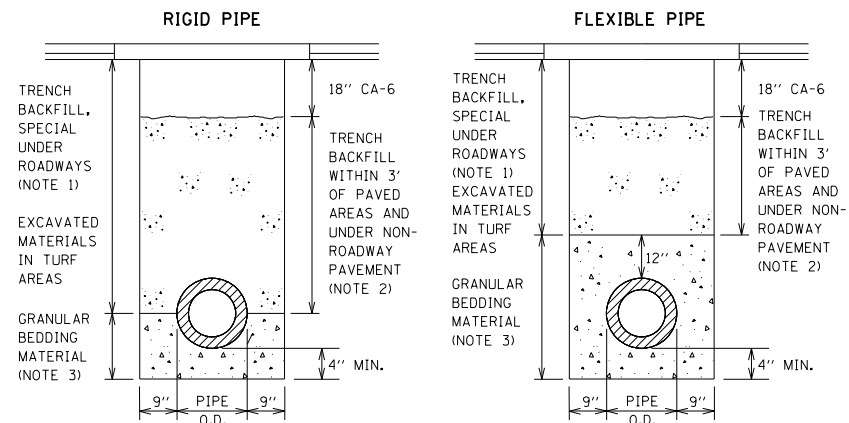
DISINFECTION/FLUSHING TAP DETAIL



TYPICAL CURB BOX INSTALLATION FOR WATER SERVICE

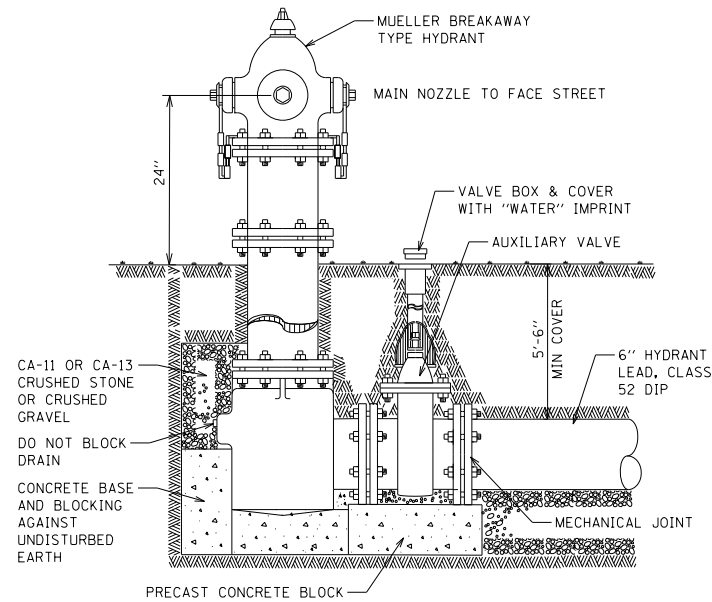


TRENCH DETAILS

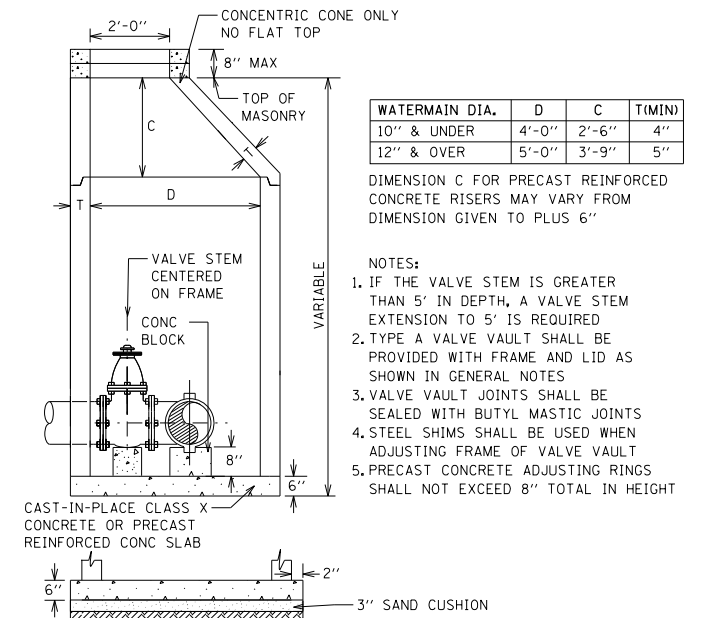


- NOTES:
 1. TRENCH BACKFILL, SPECIAL SHALL BE CA-6 CRUSHED STONE OR CRUSHED GRAVEL COMPLYING WITH SECTION 1004 OF THE SSRB AND SHALL BE PLACED UNDER ALL ROADWAYS. TRENCH BACKFILL, SPECIAL SHALL BE COMPACTED BY METHOD 1 ONLY.
 2. TRENCH BACKFILL SHALL BE FA-6 SAND OR LIMESTONE SCREENINGS COMPLYING WITH SECTION 1003 OF THE SSRB AND SHALL BE PLACED UNDER NON-ROADWAY PAVEMENT AND WITHIN 3 FEET OF ANY PAVEMENT. THE TOP 18" SHALL BE CA-6 CRUSHED STONE OR CRUSHED GRAVEL WHEN UNDER NON-ROADWAY PAVEMENT.
 3. BEDDING MATERIAL SHALL BE CA-11 OR CA-13 AGGREGATE COMPLYING WITH SECTION 1004 OF THE SSRB

TYPICAL HYDRANT INSTALLATION



STANDARD DESIGN FOR TAPPING VAULT (TYPE A)



•FOR IDOT HIGHWAY STANDARDS, SEE PROJECT SPECIFICATIONS•

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-pr-watmain-08-18-2021
 FILE NAME: 190567-srt-pr-watmain-08-18-2021.dgn
 PEN TABLE: 190567-srt-pr-watmain-08-18-2021.tbl



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PLOT SCALE = 80.0000' / in.	DRAWN - DMS	REVISED -
PLOT DATE = 8/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

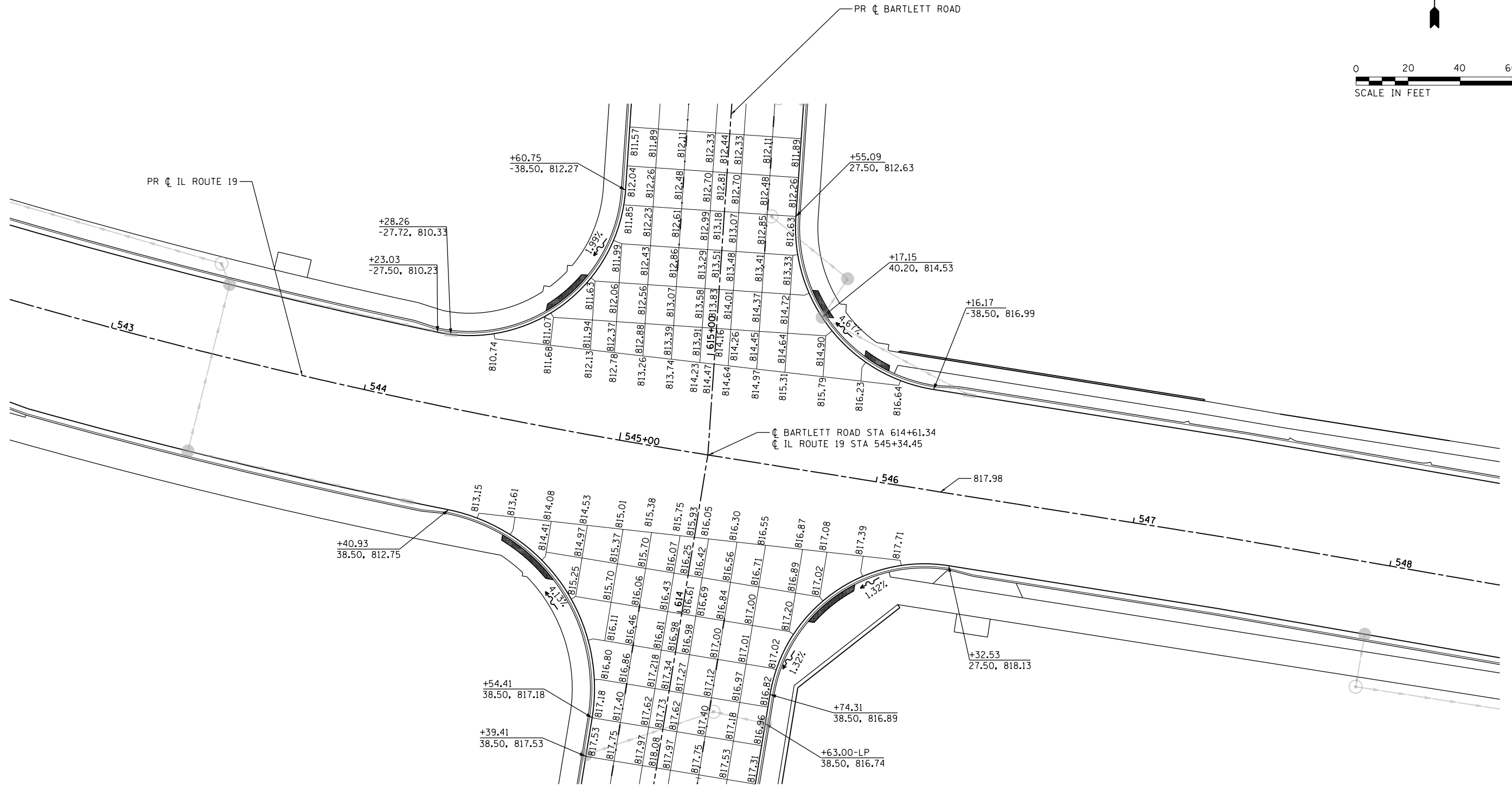
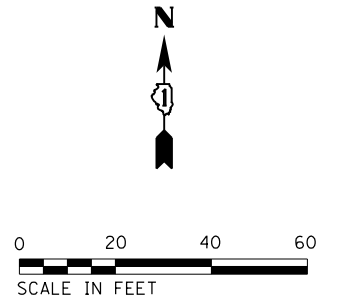
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	55
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	FILE NAME		
	FILE NUMBER		
	PEN TABLE		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
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HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smr-hrg-grading-01.dgn
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	DRAWN - DMS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING PLAN
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

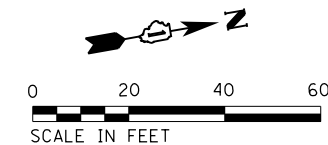
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

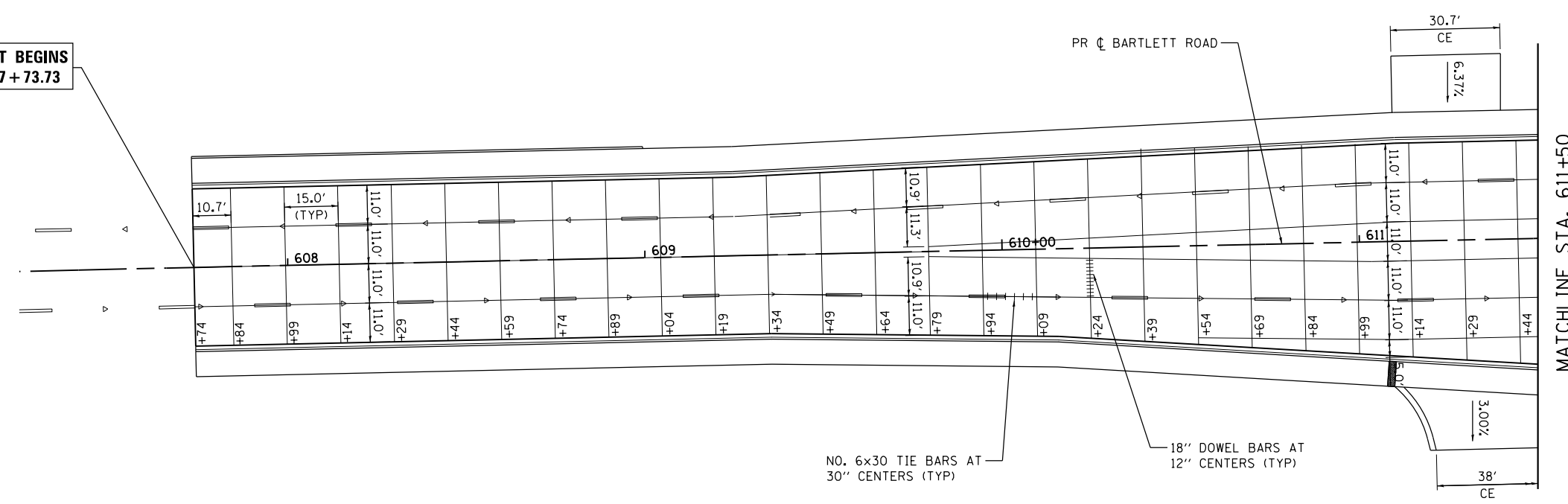
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	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
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	BY	
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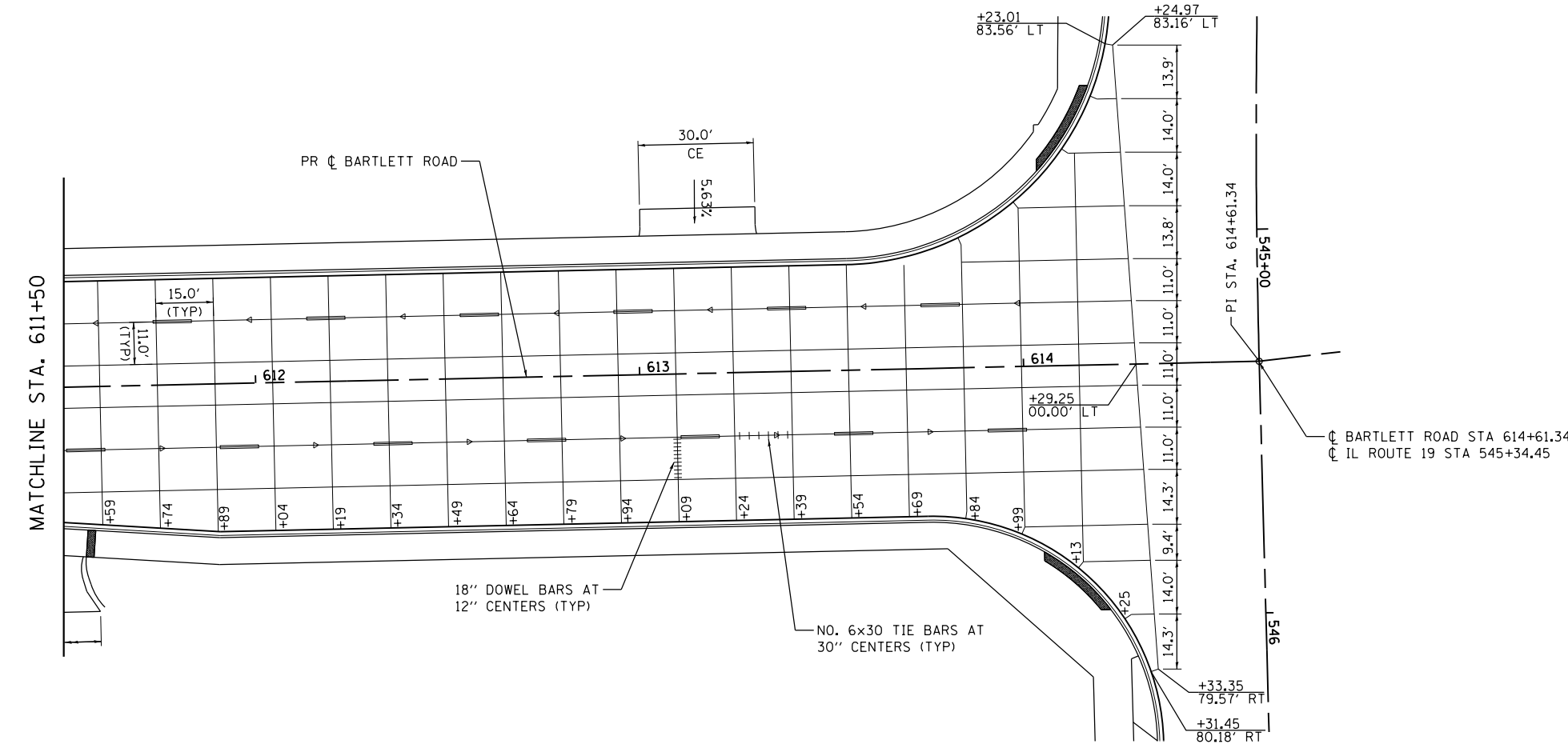
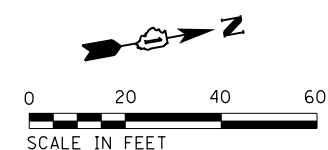
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 PEN TABLE: pcc/bsb/ht/br



PROJECT BEGINS
STA 607+73.73



MATCHLINE STA. 611+50



MATCHLINE STA. 611+50

PI STA. 614+61.34

CL BARTLETT ROAD STA 614+61.34
 CL IL ROUTE 19 STA 545+34.45



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT JOINTING PLAN
BARTLETT RD

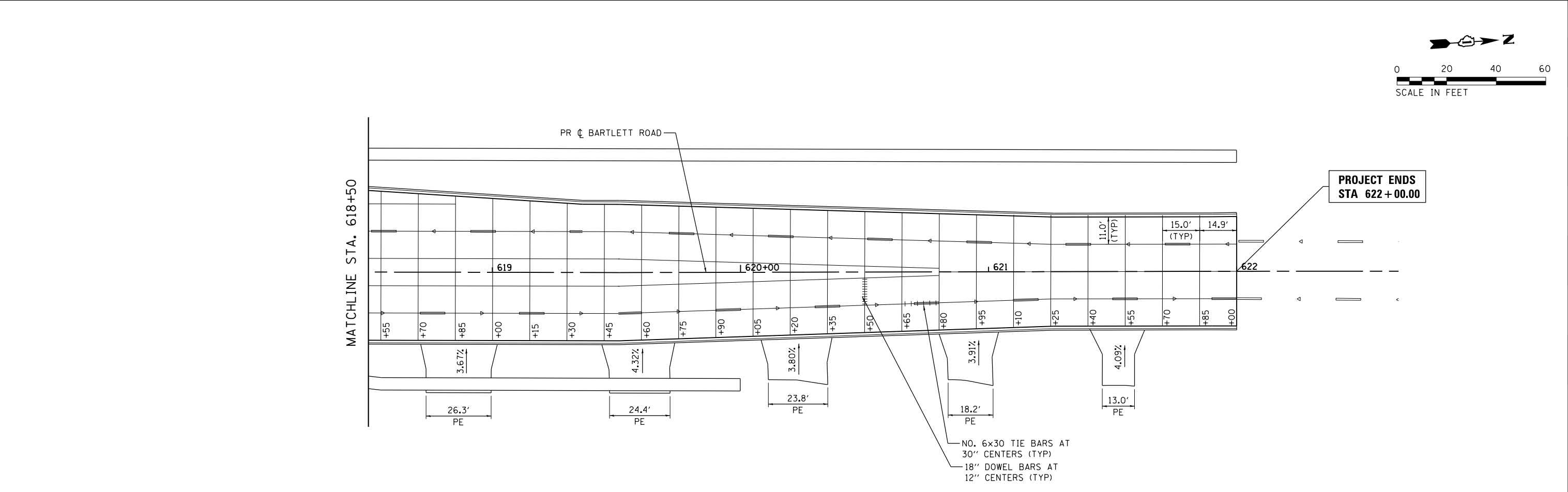
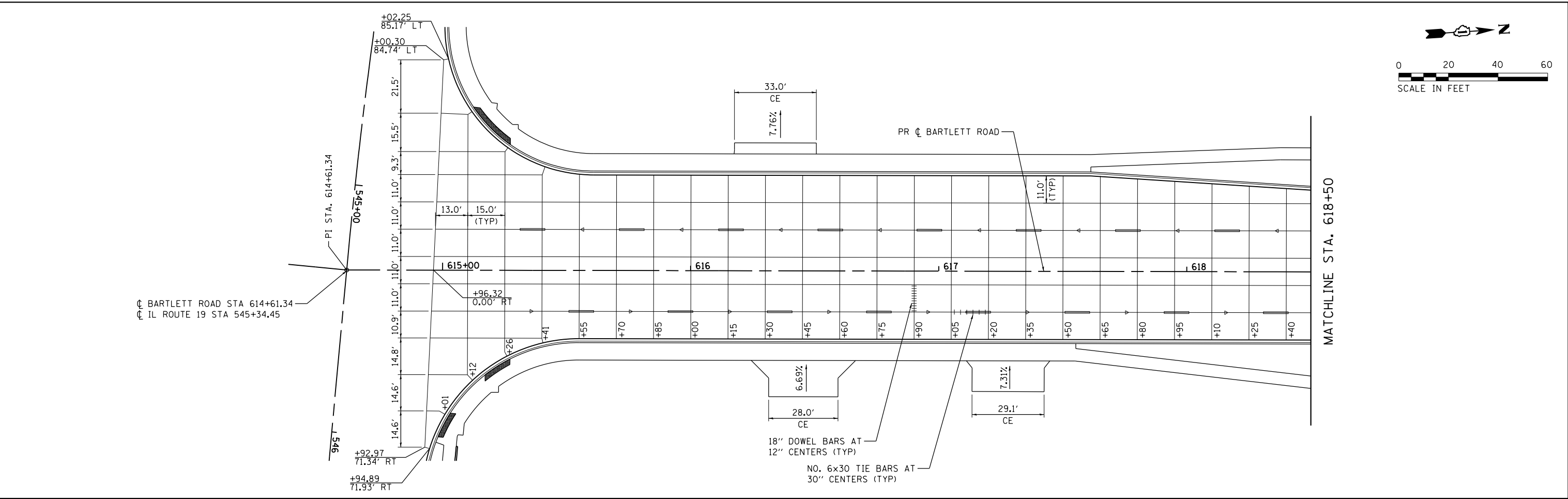
SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	57
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

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

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smt-pvt/jm/mt-02.dgn
 FILE NAME: 190567-smt-pvt/jm/mt-02.dgn
 PEN TABLE: pen.tbl

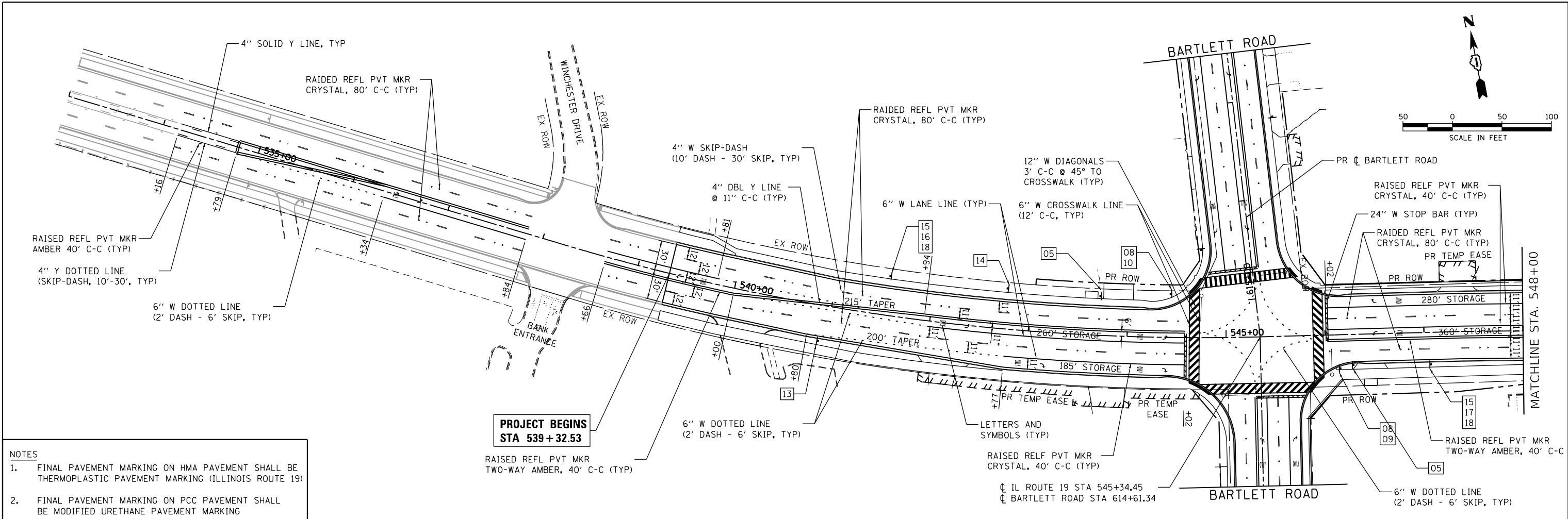


	HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = dstencz DESIGNED - JRM DRAWN - DMS CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT JOINTING PLAN BARTLETT RD		F.A.U. R.E. = 1321 SECTION NO. = 10-00055-01-WR COUNTY = COOK TOTAL SHEETS = 148 SHEET NO. = 58
	PLOT SCALE = 48.0000' / in. PLOT DATE = 8/18/2021	SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.	CONTRACT NO. 61H15 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

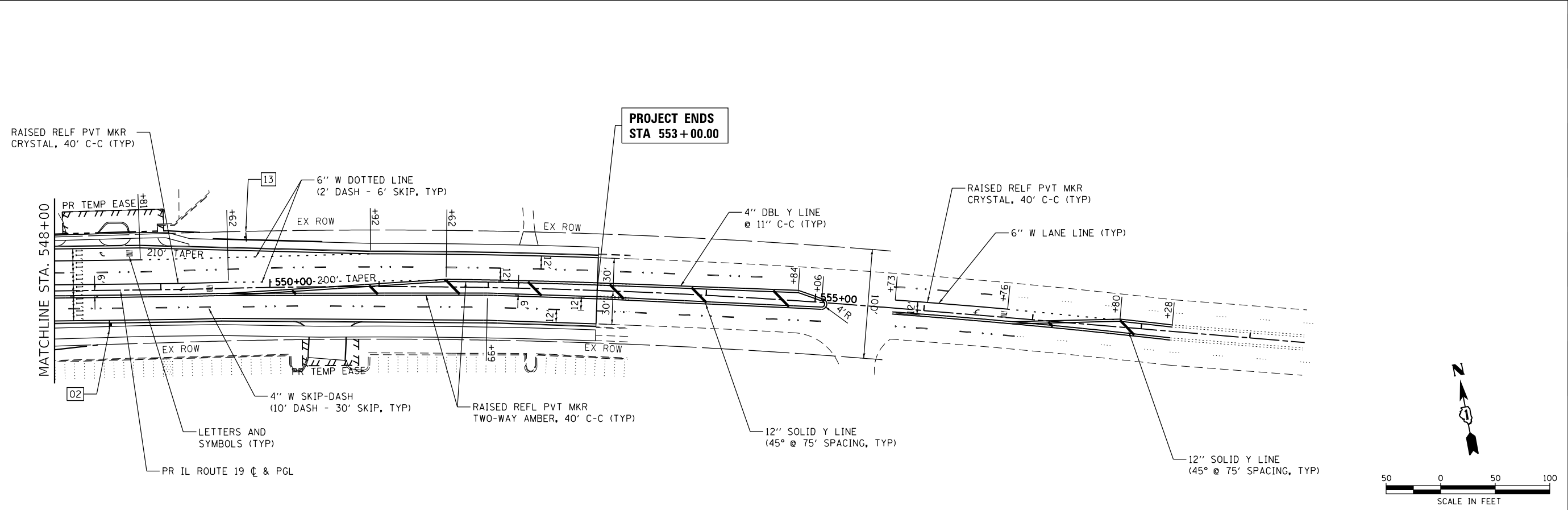
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	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
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	NO.	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-pmk-01.dgn
 FILE NAME: 190567-srt-pmk-01.dgn
 PEN TABLE: p01tbltbl.tbl



- NOTES**
- FINAL PAVEMENT MARKING ON HMA PAVEMENT SHALL BE THERMOPLASTIC PAVEMENT MARKING (ILLINOIS ROUTE 19)
 - FINAL PAVEMENT MARKING ON PCC PAVEMENT SHALL BE MODIFIED URETHANE PAVEMENT MARKING



HRGreen.com	USER NAME = dstencz	DESIGNED - JRM	REVISED -
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#184-001322		CHECKED -	REVISED -
		DATE -	REVISED -

PLOT SCALE = 100.0000' / 1"			
PLOT DATE = 8/18/2021			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

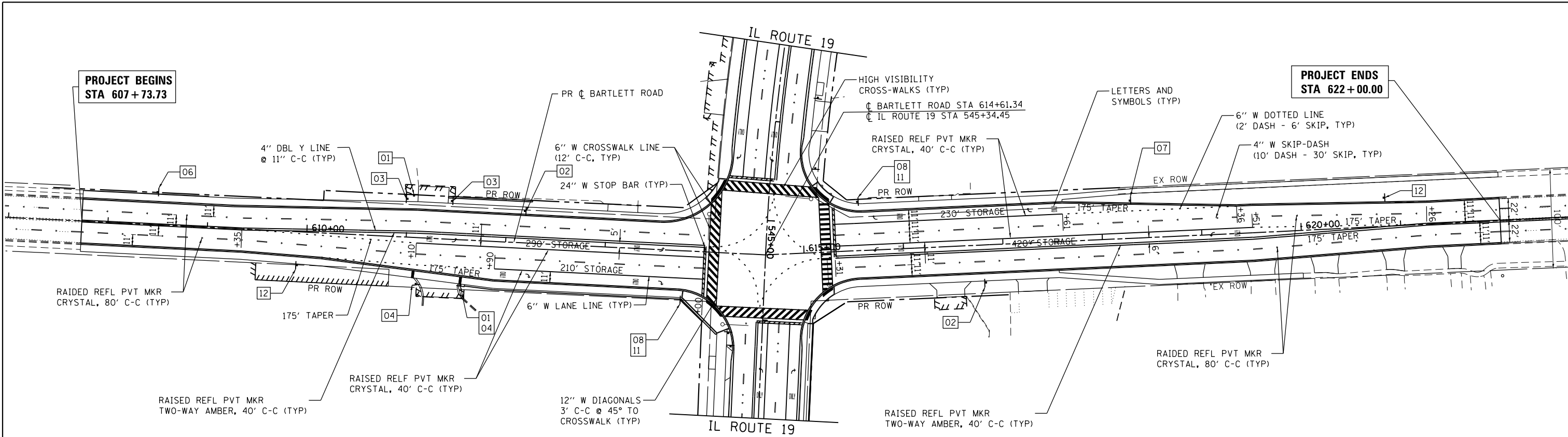
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	59
FED. ROAD DIST. NO.			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				

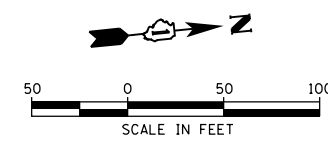
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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	
	TABLE	

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-pmk-02.dgn
 FILE NAME: 190567-srt-pmk-02.dgn
 PEN TABLE: pmktable.tbl



- NOTES**
- FINAL PAVEMENT MARKING ON HMA PAVEMENT SHALL BE THERMOPLASTIC PAVEMENT MARKING (ILLINOIS ROUTE 19)
 - FINAL PAVEMENT MARKING ON PCC PAVEMENT SHALL BE MODIFIED URETHANE PAVEMENT MARKING



[01] R1-1 30'' X 30''	[02] R2-1 30'' X 36''	[03] R5-2 24'' X 24''	[04] R3-2 24'' X 24''	[05] EXISTING	[06] W1-5 36'' X 36''	[07] M2-1 30'' X 15''	[08] M1-1100 36'' X 36''	[08] M1-1100 24'' X 24''	[09] M3-2 24'' X 12''	[10] M3-4 24'' X 12''	[11] M6-4 21'' X 15''
[12] D3-1a 24'' X 18''	[13] D3-1 24'' X 18''	[14] R2-1 30'' X 36''	[15] 11-R107a 30'' X 36''	[16] 11-R107b 30'' X 18''	[17] 11-R107b 30'' X 18''	[18] 11-1107C 36'' X 36''					

- NOTES**
- TYPE 22 SHEETING SHALL BE USED ON SIGNS WITHIN THE COOK COUNTY MAINTAINED ROW.
- PAVEMENT MARKINGS ON BARTLETT ROAD SHALL FOLLOW IDOT DISTRICT 1 STANDARD TC-13, WITH THE EXCEPTION OF USING A SINGLE MARKER CENTERED IN THE STRIPING GAPS. PAVEMENT MARKERS SHALL BE LIGHTWEIGHT ACCORDING TO CCDOH SPECIAL PROVISION 238.

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USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

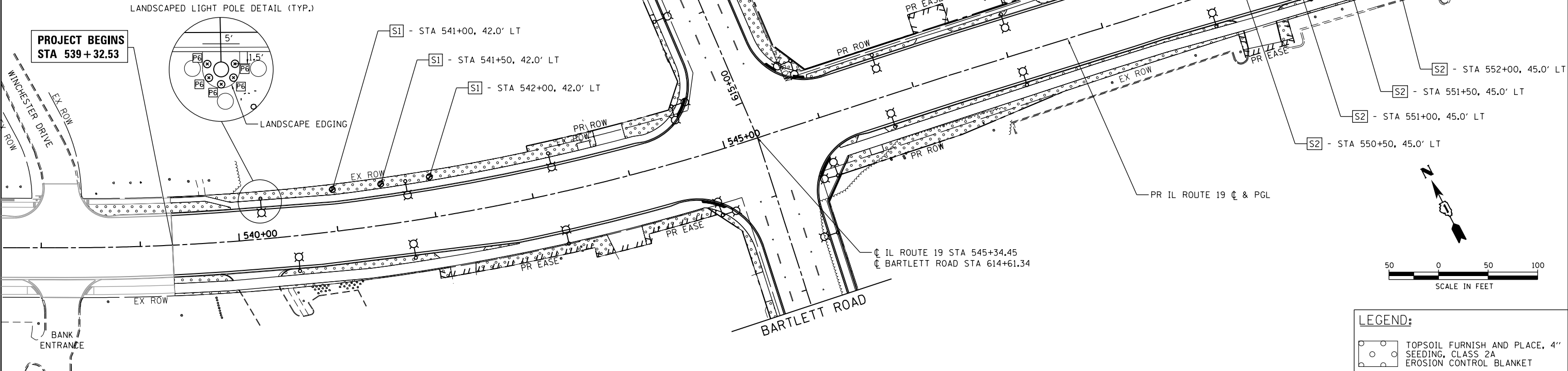
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	60
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

P6 BOTANICAL NAME: SYMPHYOTRICHUMOLENTANGIENSE
 COMMON NAME: SKY BLUE ASTER
 PERENNIAL NOTES: 18" O.C./STAGGERED

PROJECT ENDS
 STA 553+00.00

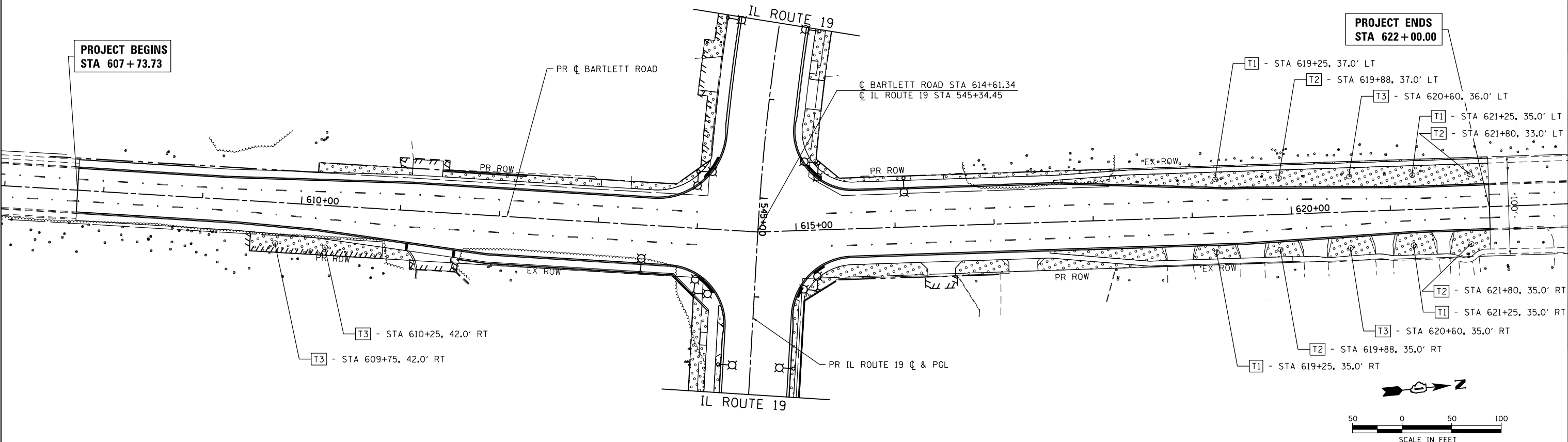
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PROFILE	
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BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	



LEGEND:

- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- EROSION CONTROL BLANKET

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	



LEGEND:

- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- EROSION CONTROL BLANKET

HRG PROJECT NO.: #PROJECTNO#
 HRG PROJ. CONTACT: #HRGPM#
 FILE NUMBER: #FILE#
 PEN TABLE: #PEN#
 TABLE: #TABLE#

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 #184-001322

USER NAME = #USER#	DESIGNED - JRM	REVISED - XX/XX/XXXX
PLOT SCALE = #SCALE#	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT DATE = #DATE#	CHECKED -	REVISED - XX/XX/XXXX
	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**
 SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	61
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15	

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

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

HRG PROJECT NO.: #PROJECT#
 HRG PROJ. CONTACT: #HRGPM#
 FILE NUMBER: #FILE#
 PEN TABLE: #PEN#
 TABLES: #TABLES#

SHRUB PLANTING SCHEDULE

	PAY ITEM	QTY	BOTANICAL NAME/ITEM	SPACING
S1	C2011724	3	SHRUB, VIBURNUM DENTATUM (ARROWWOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED	MATCH TO PLAN
S2	C2C02936	4	SHRUB, FORSYTHIA X INTERMEDIA (BORDER FORSYTHIA), 3' HEIGHT, CONTAINER	MATCH TO PLAN

TREE PLANTING SCHEDULE

	PAY ITEM	QTY	BOTANICAL NAME/ITEM	SPACING
T1	A2001020	4	TREE, ACER RUBRUM (RED MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	MATCH TO PLAN
T2	A2004520	4	TREE, GINKO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	MATCH TO PLAN
T3	A2005328	4	TREE, LIQUIDAMBAR STYRACIFLUA MORaine (MORaine SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	MATCH TO PLAN



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 #184-001322

USER NAME = #USER#	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - TEH	REVISED -
PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANTING SCHEDULES
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

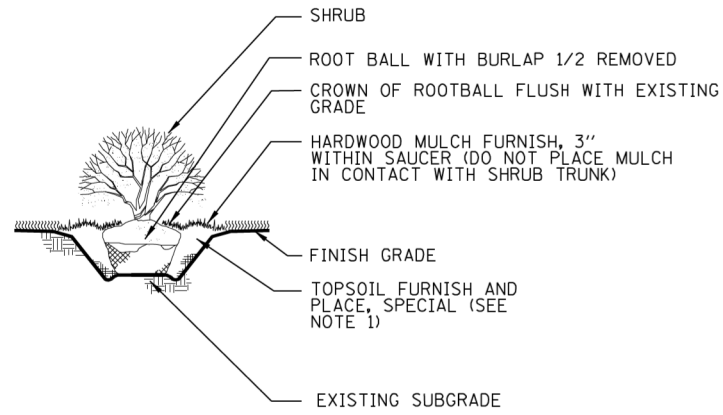
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	62
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

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

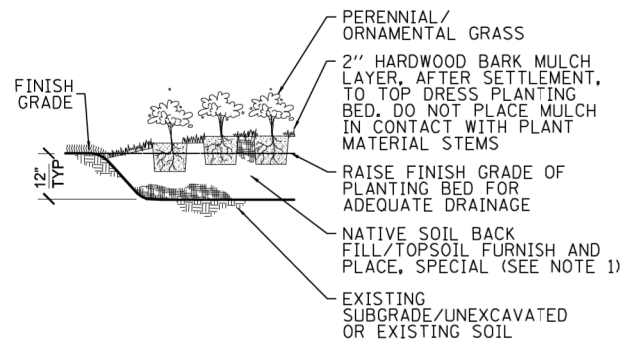
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BY	
PROFILE	
NO.	
NOTE BOOK	
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SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE	
NOT AT THIS OFFICE	

HRG PROJECT NO.: #PROJECTNO#
 HRG PROJ. CONTACT: #HRGPM#
 FILE NUMBER: #FILE#
 PEN TABLE: #PEN#
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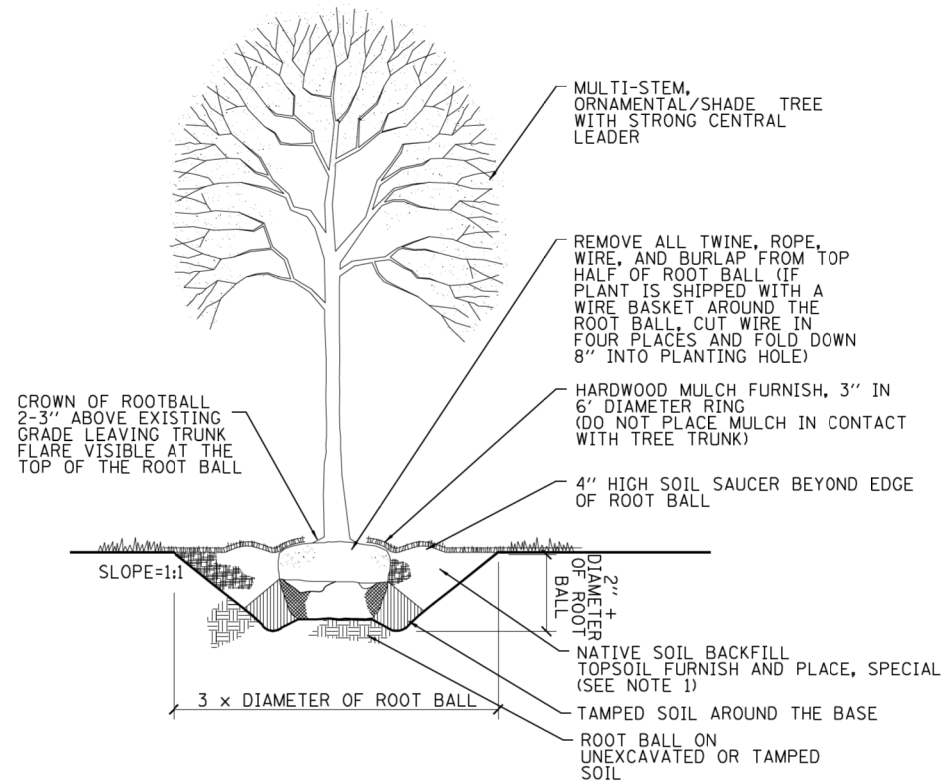


- NOTE:
 1. THE BACKFILL SHALL BE NATIVE SOIL BACKFILL WHEN APPROPRIATE
 2. WHEN UNSUITABLE MATERIAL IS ENCOUNTERED, THE HOLE SHALL BE BACKFILLED WITH TOPSOIL FURNISH AND PLACED (SPECIAL)

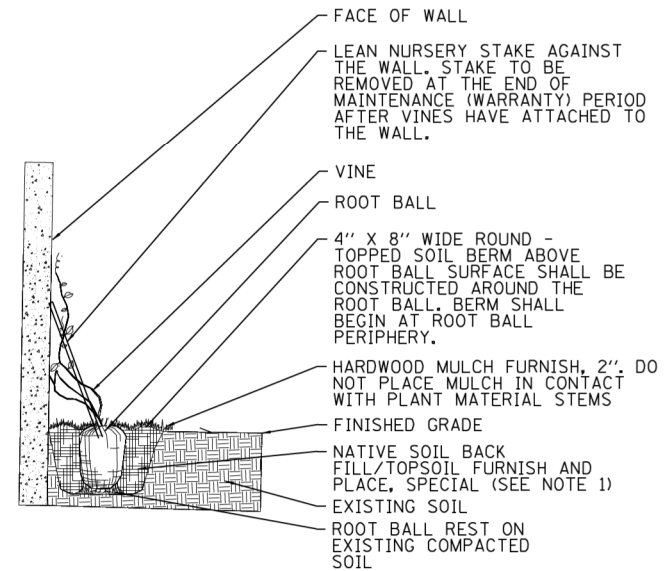
SHRUB PLANTING DETAIL
NOT TO SCALE



ORNAMENTAL GRASS INSTALLATION PLANTING DETAIL
NOT TO SCALE



SHADE AND ORNAMENTAL TREE TYPICAL PLANTING DETAIL
NOT TO SCALE



VINE INSTALLATION PLANTING DETAIL
NOT TO SCALE

- NOTES:
 1. TREE PITS TO BE BACKFILLED WITH THE NATIVE SOIL THAT WAS REMOVED FROM THE HOLE. WHEN UNSUITABLE MATERIAL IS ENCOUNTERED, THE HOLE SHALL BE BACKFILLED WITH TOPSOIL FURNISH AND PLACED, SPECIAL.
 2. SHREDDED HARDWOOD BARK MULCH SHALL BE PLACED AROUND ALL NEW PLANTS AND INCLUDED IN THE COST OF THE TREES, SHRUBS, VINES, AND PERENNIAL PLANT PAY ITEMS.



USER NAME = #USER#	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - TEH	REVISED -
PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLANTING SCHEDULES
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	63
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2021 11:12:20 AM
 FILE NAME: 190567-sht-detailed
 PLOT DRIVER: ILpdfwrite
 PLOT SCALE: 1/8"=1'-0"

TS SHT NO. 1
 PROJECT: 10-00055-01-WR
 SHEET: 64 OF 148

USER NAME = footemj	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 50,0000' / 1/8"	CHECKED - LP	REVISED -
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

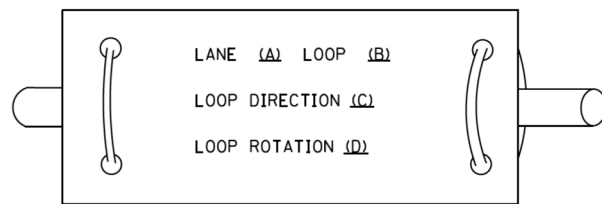
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	64
TS-05		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				

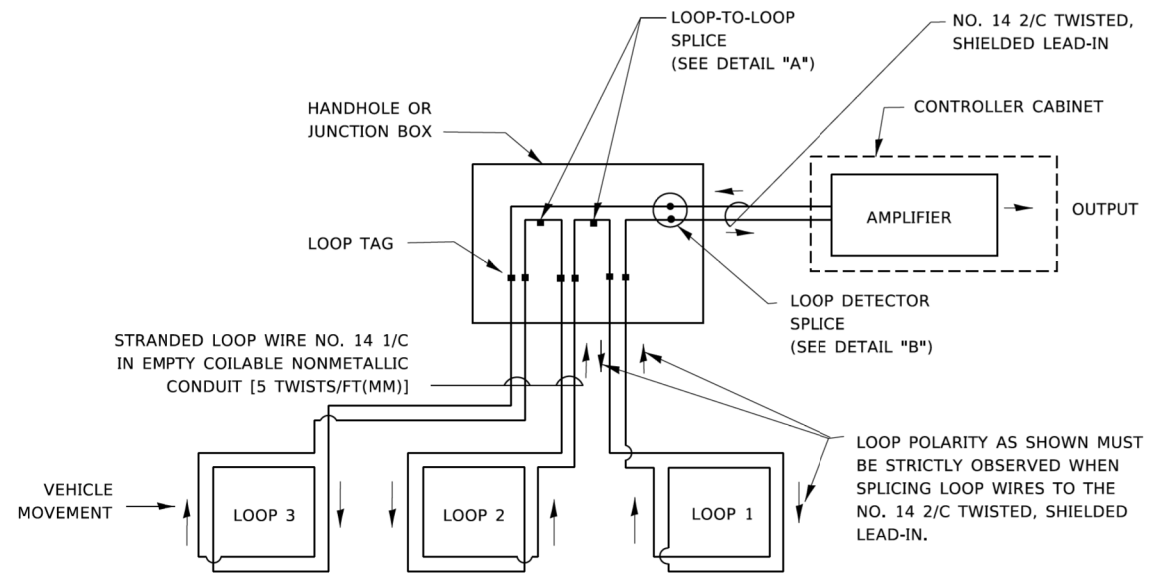
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

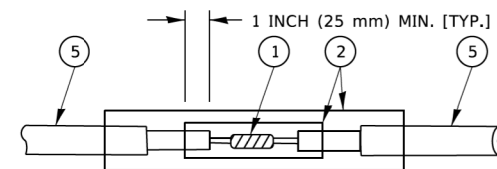


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

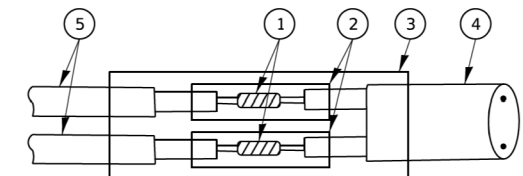


DETECTOR LOOP WIRING SCHEMATIC

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

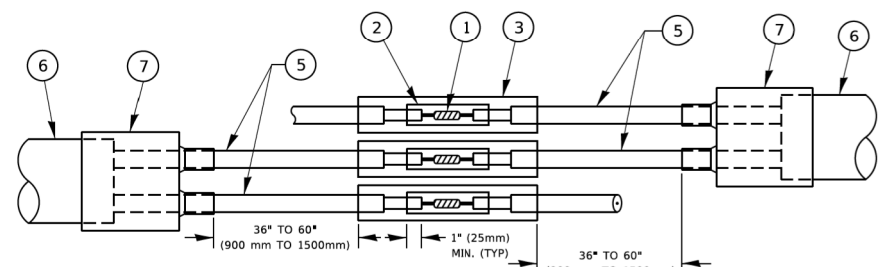


DETAIL "A"
LOOP-TO-LOOP SPLICE

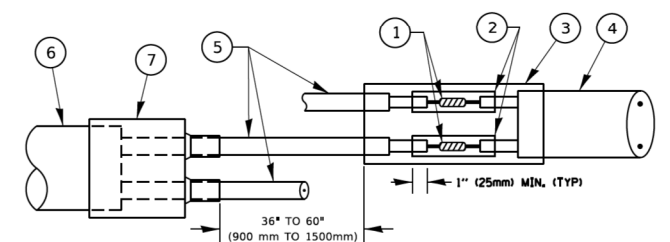


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2019 11:52:31 AM
 FILE NAME: 190567-sh1-deta1ls-1505b.dgn
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 PLOT DATE: 8/18/2019
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 PLOT DATE: 8/18/2019

TS SHT NO. 2

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	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

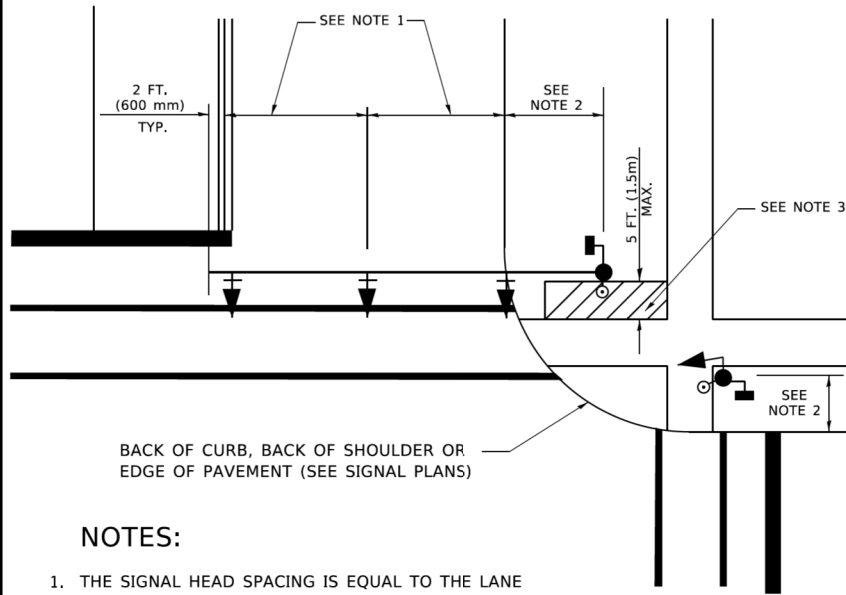
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 1321	SECTION 10-00055-01-WR	COUNTY COOK	TOTAL SHEETS 148	SHEET NO. 65
TS-05		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

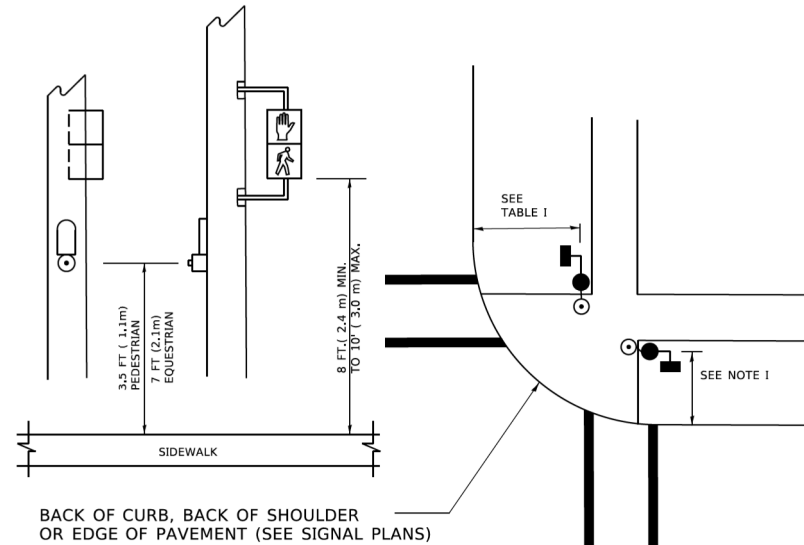
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

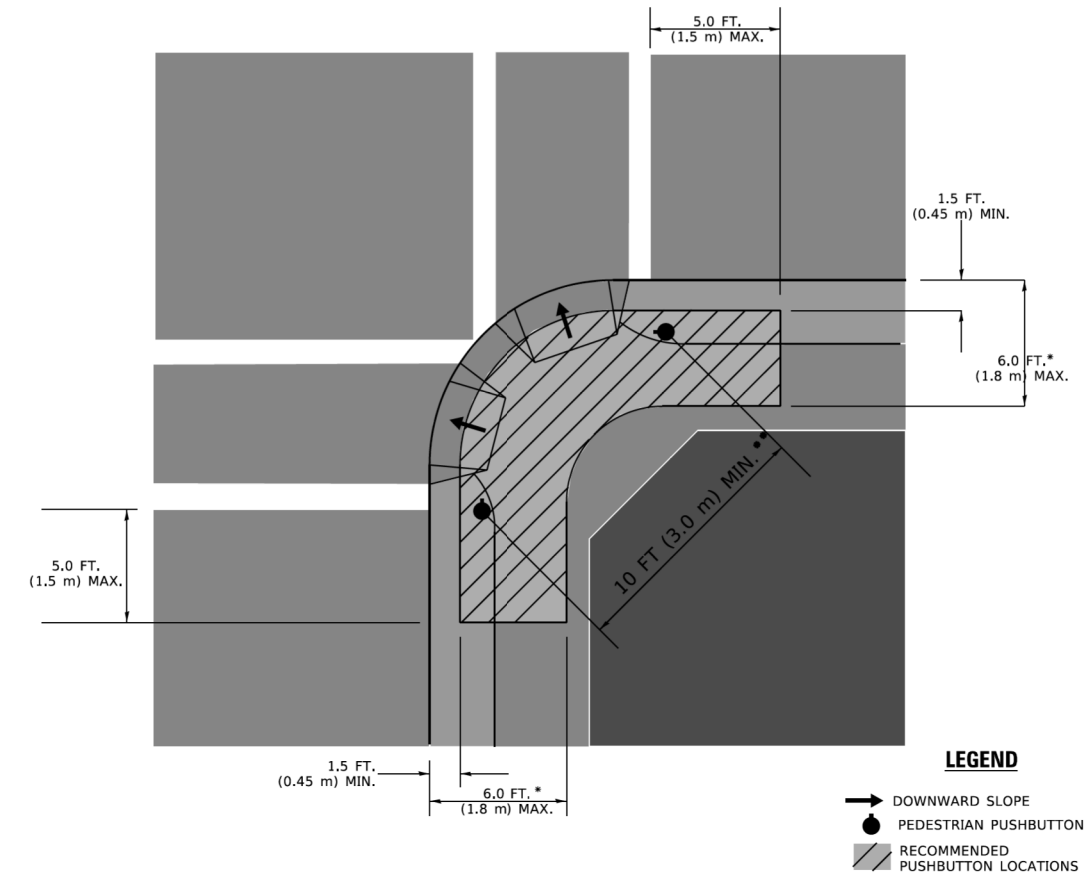
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

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 PLOT SCALE: 1/16"=1'-0"
 PLOT DATE: 3/4/2019
TS SHT NO. 3
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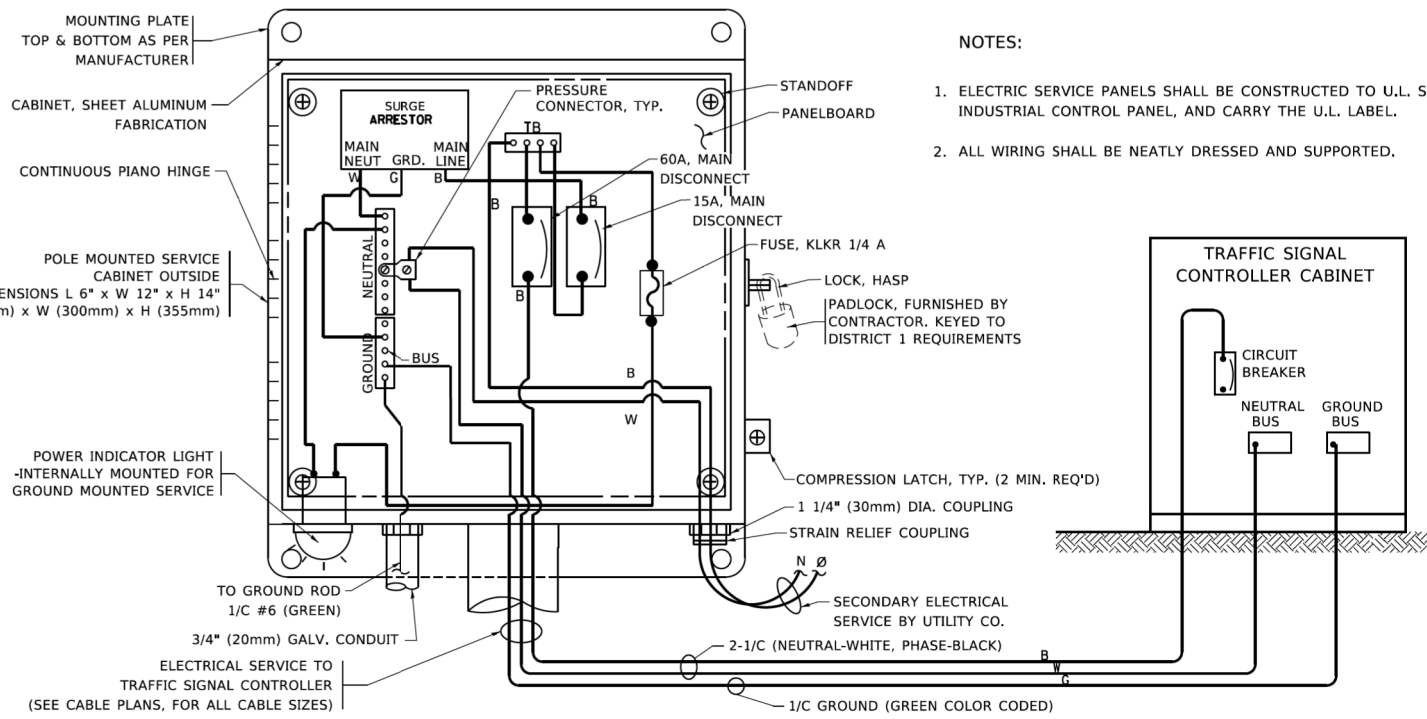
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	DRAWN -	REVISED -
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

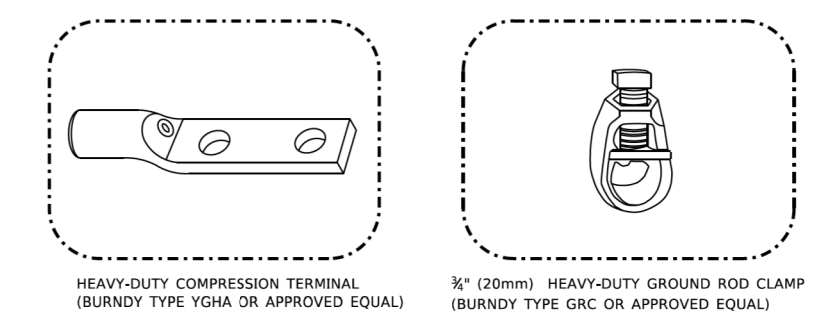
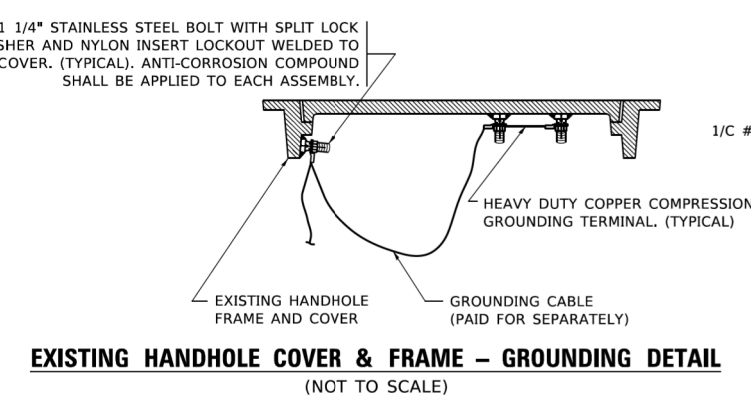
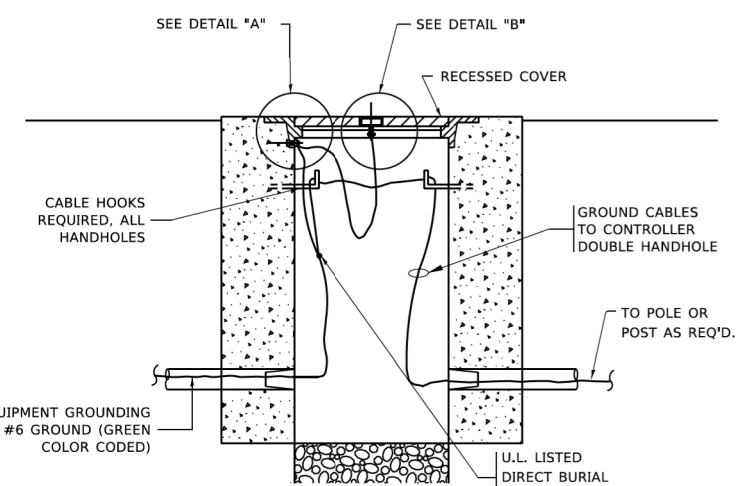
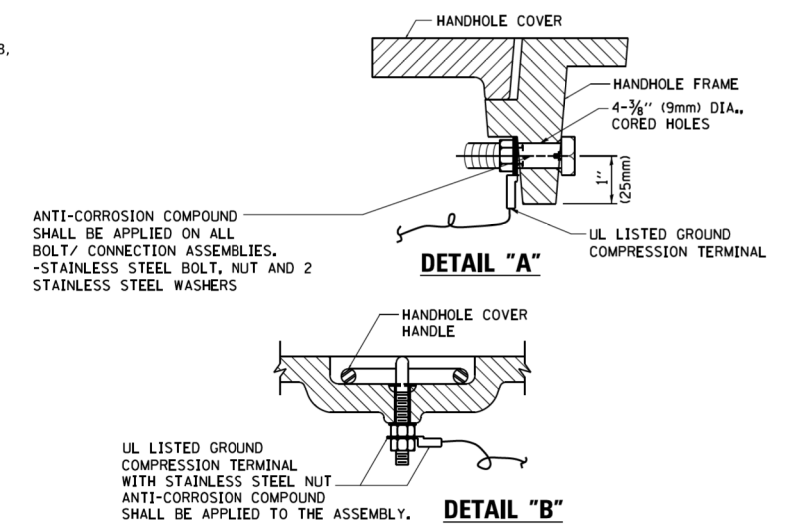
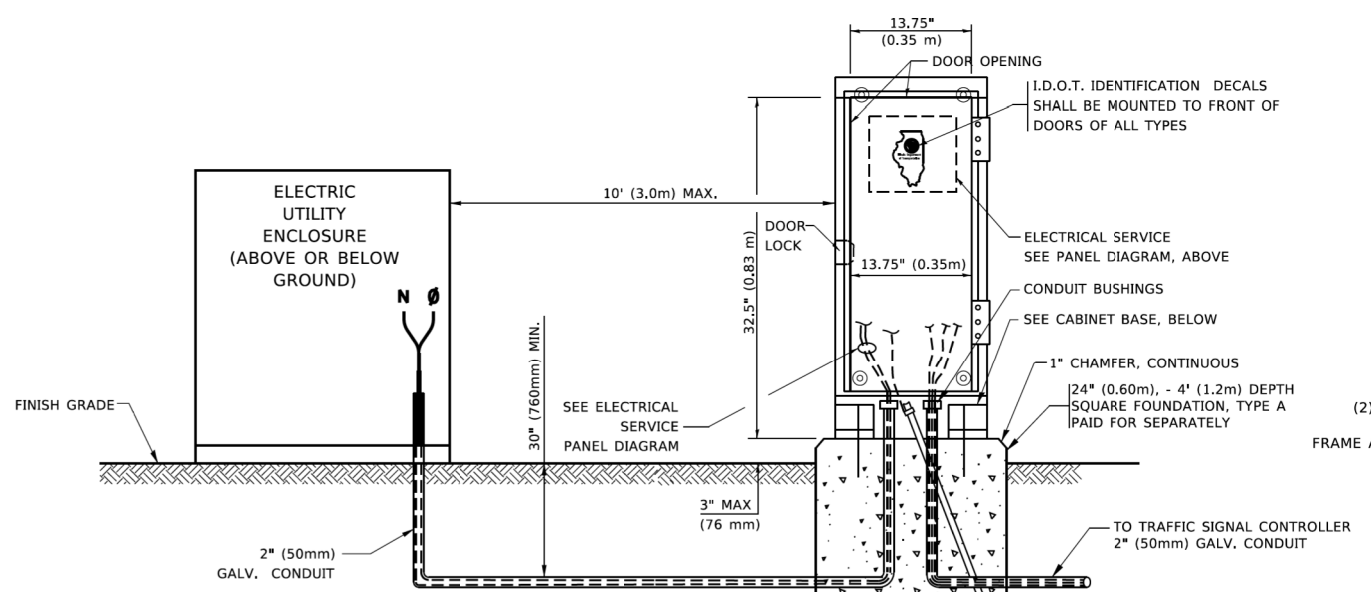
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

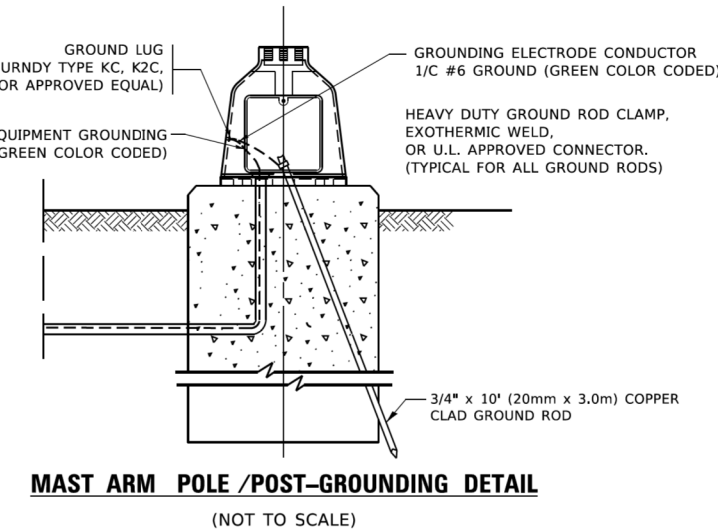
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	66
TS-05		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				



ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (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.



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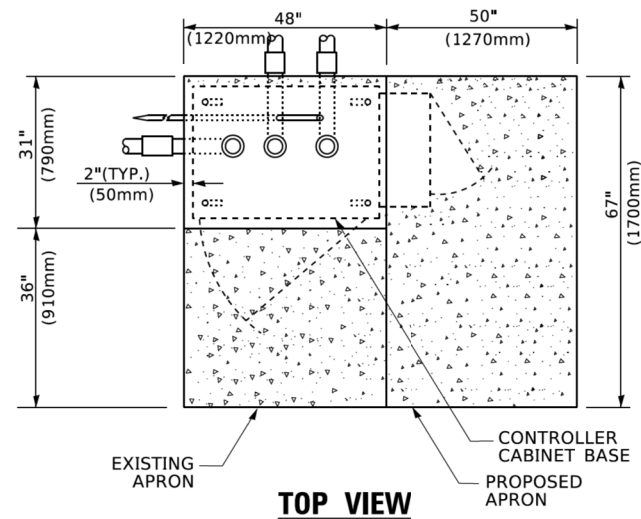
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PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

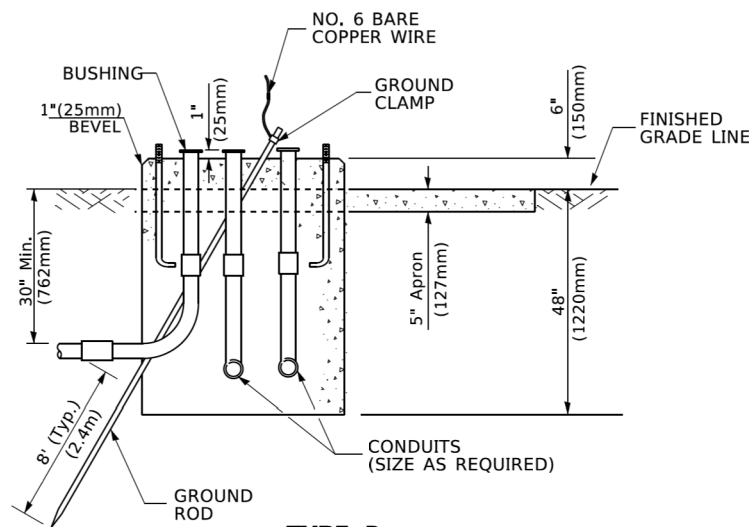
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

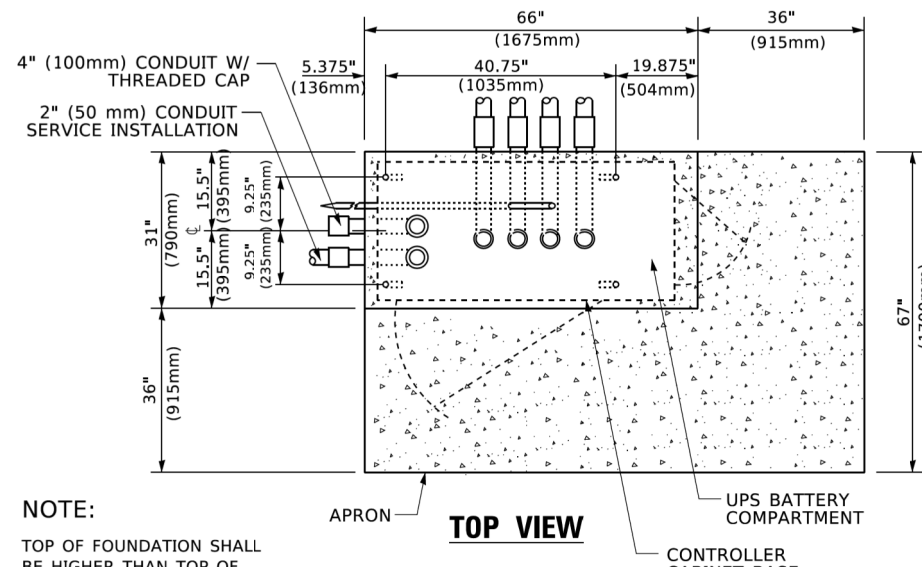
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TS-05		CONTRACT NO. 61H15	ILLINOIS FED. AID PROJECT	



TOP VIEW



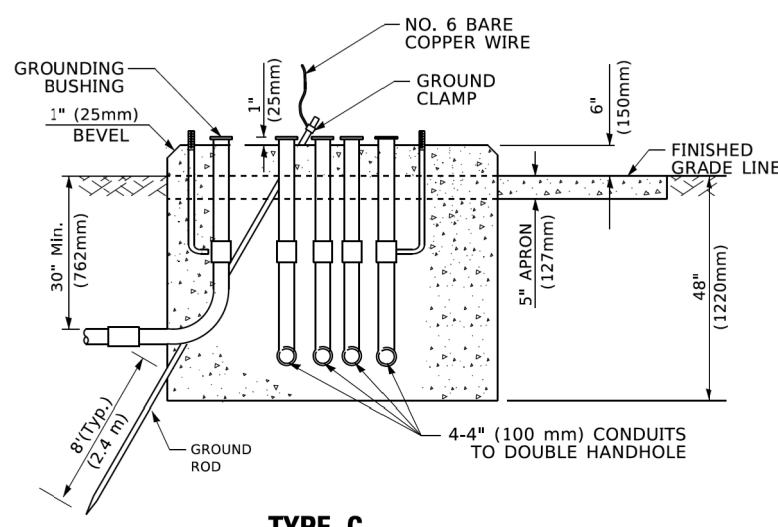
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



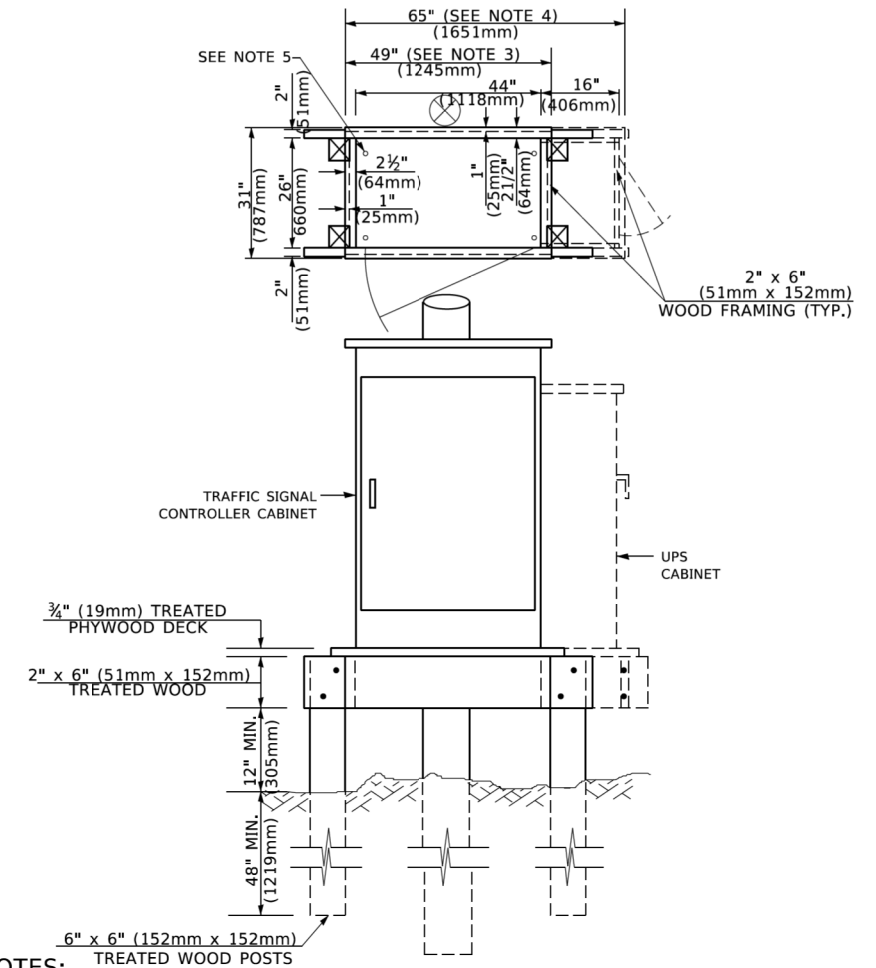
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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TS SHT NO. 5

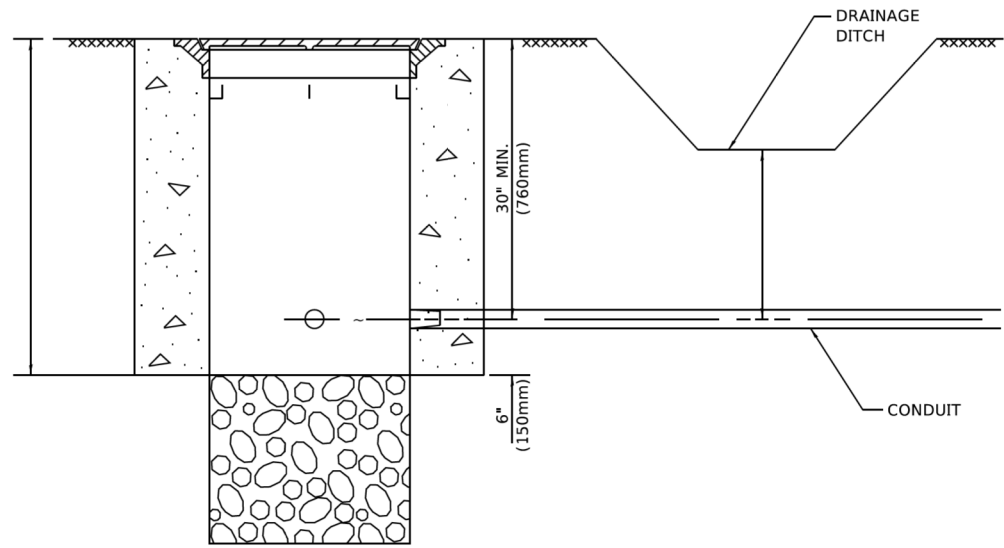
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PLOT SCALE = 50.0000" / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

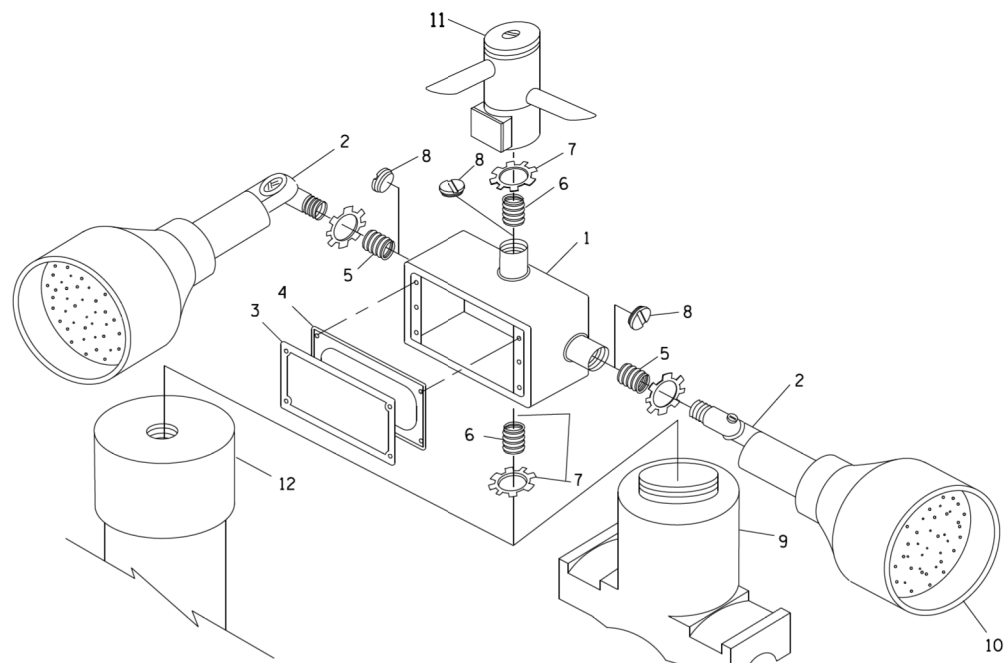
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	68
TS-05			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				



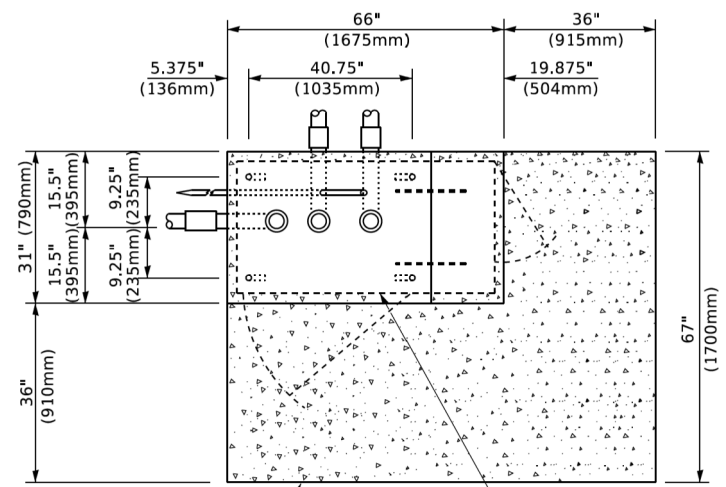
NOTES:

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

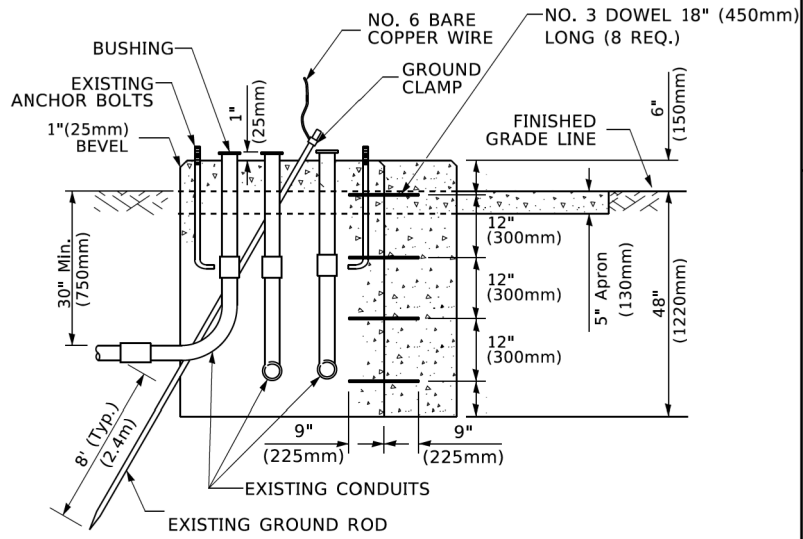
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



POST CAP MOUNT
MAST ARM MOUNT
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

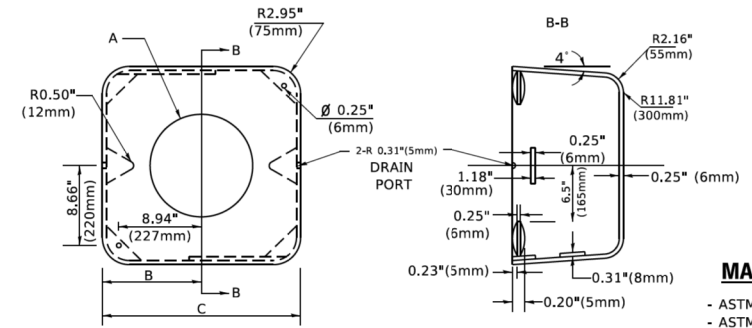


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

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



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

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

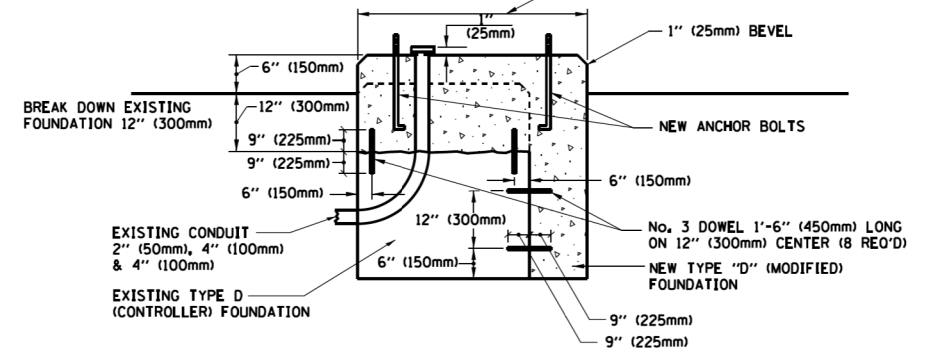
SHROUD

NOTES:

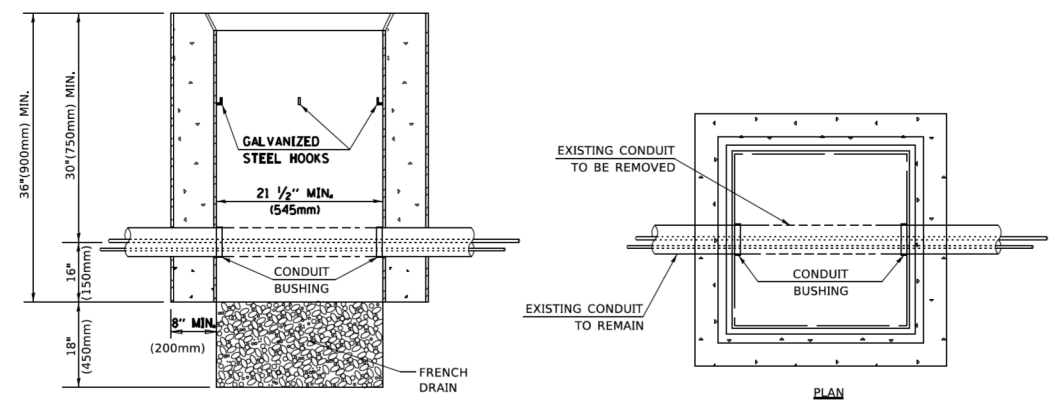
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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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 PROJECT CONTACT: TS SHT NO. 6
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

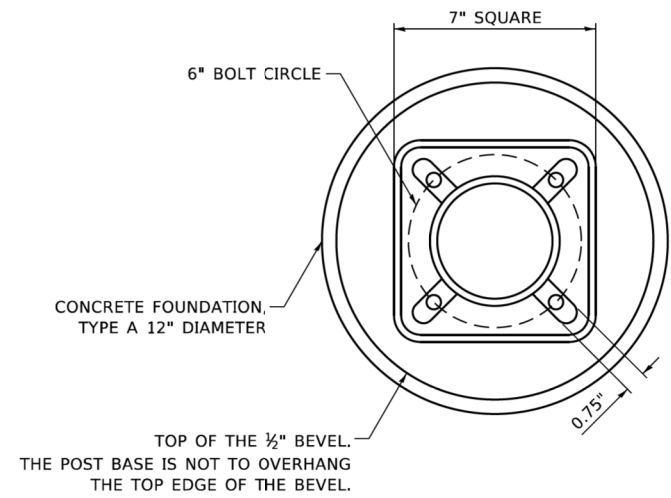
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

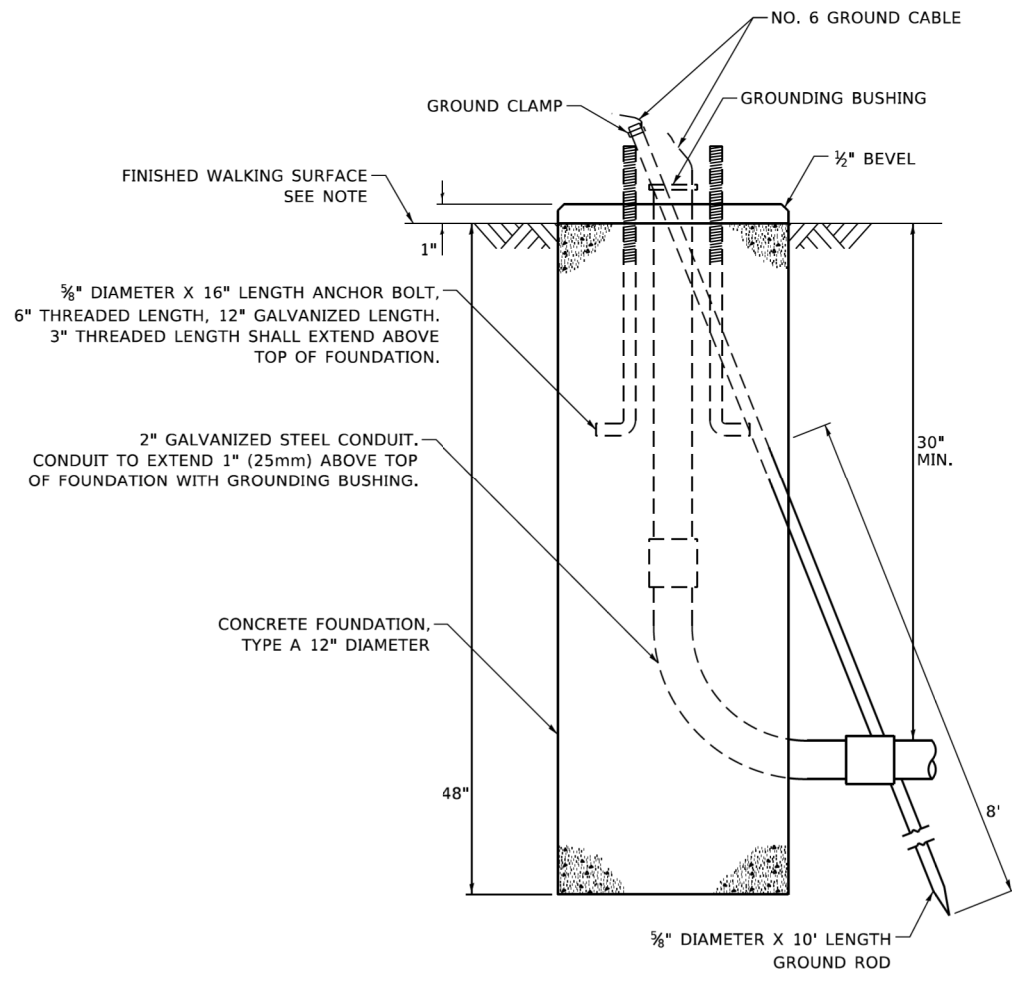
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	69
TS-05			CONTRACT NO. 61H15	

ILLINOIS FED. AID PROJECT

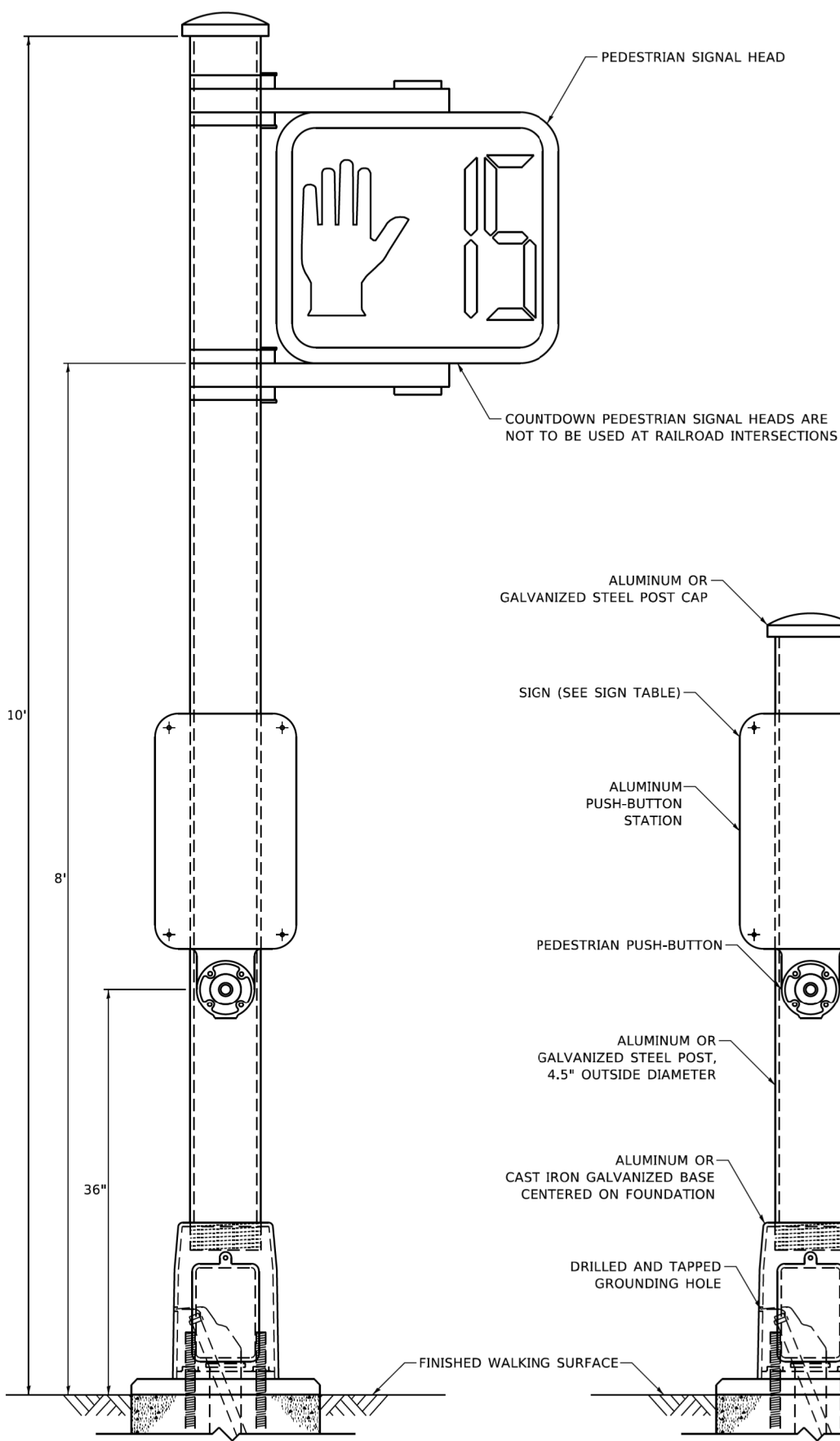


BOLT PATTERN

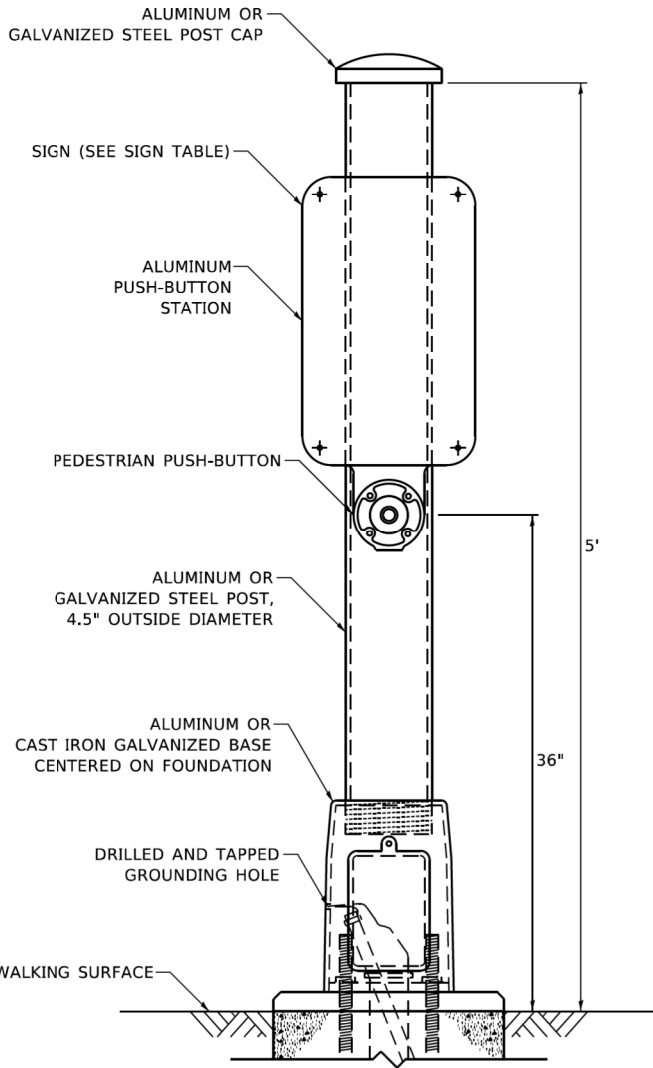
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



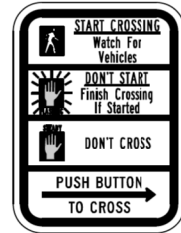
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



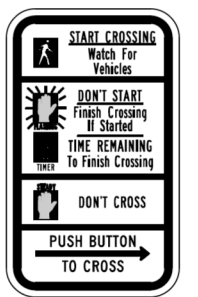
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

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

COMPANY NAME: TS SHT NO. 7
 PROJECT CONTACT: 190567-shr-detailed-1505a.dgn
 DATE PLOTTED: 8/18/2021 10:52:29 AM
 FILE NAME: 190567-shr-detailed-1505a.dgn
 PLOT DRIVER: il_caf.dwg
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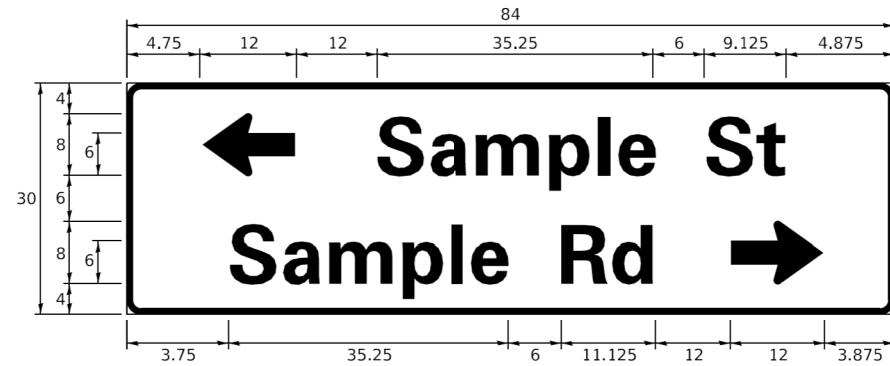
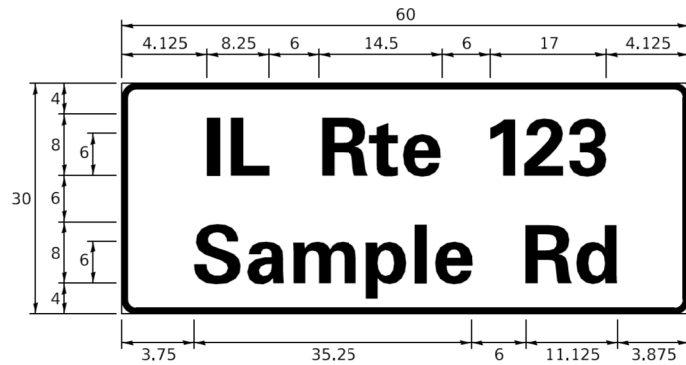
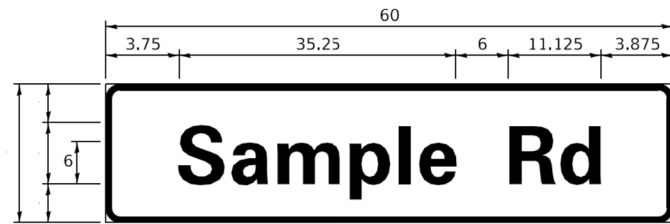
USER NAME = plascencal	DESIGNED - IP	REVISED - 10/15/2020
	DRAWN - IP	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 11/17/2020	DATE - 10/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**
 SCALE: NTS SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	70
TS-05		CONTRACT NO. 61H15		
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 IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

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

PARTS LISTING:

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

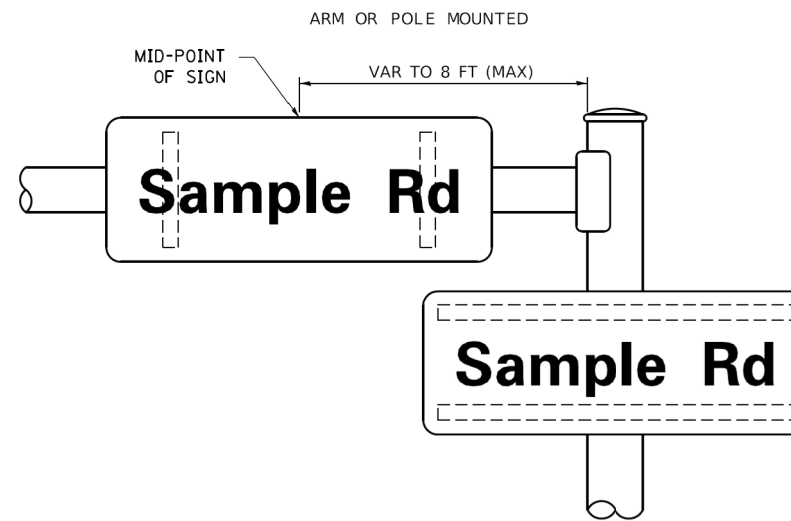
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

STANDARD ALPHABETS SPACING CHART

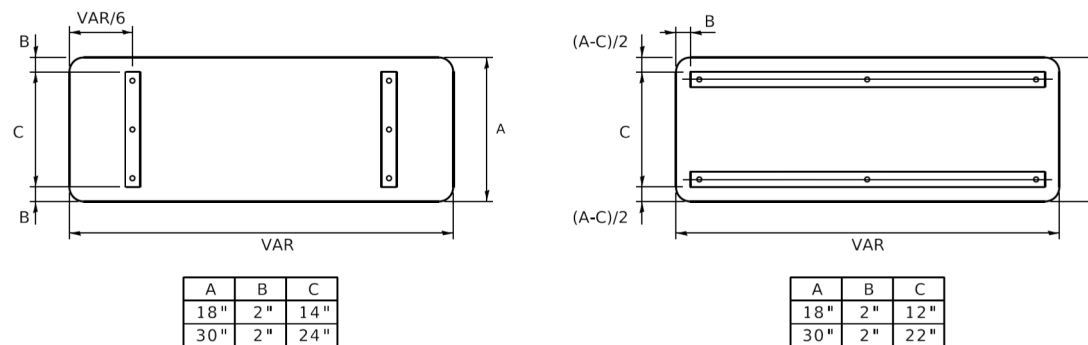
(8") UPPER CASE AND (6") LOWER CASE

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

MOUNTING LOCATION



SUPPORTING CHANNELS



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

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

COMPANY NAME: TS SHT NO. 8
 PROJECT CONTACT: 190567-sh1-deta11s-1502.dgn
 DATE PLOTTED: 8/18/2021 11:54:11 AM
 FILE NAME: I:\proj\pwr\refra
 PLOT DRIVER: I:\proj\pwr\refra
 PLOT DATE: 3/4/2019

USER NAME = footemj	DESIGNED - LP/IP	REVISED - LP 07/01/2015
PLOT SCALE = 50.0000' / 1"	CHECKED - IP	REVISED -
PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS**

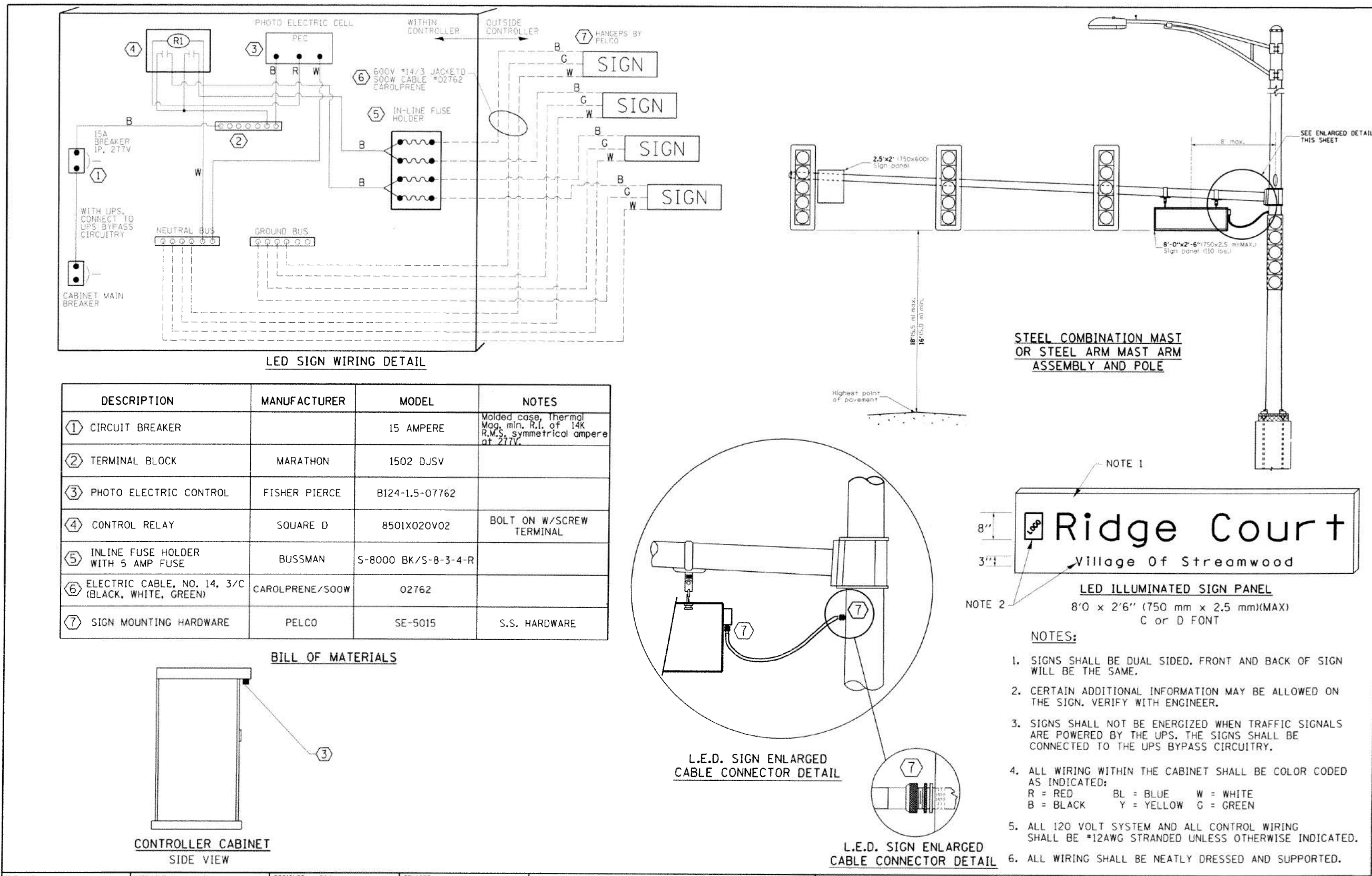
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	71
TS-02		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				

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

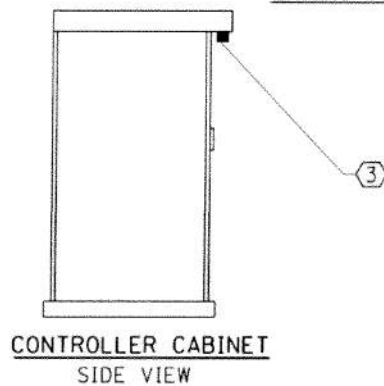
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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK	
	NO.	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-detailed-151022.dgn
 FILE NAME: 190567-sht-detailed-151022.dgn
 PEN TABLE: TS SHT NO. 1



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

BILL OF MATERIALS



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

USER NAME = jhorwit	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	71B
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
BOOK	
NO.	
FILE	
NAME	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
BOOK	
NO.	
FILE	
NAME	
NO.	

HRG PROJECT NO.: #9067
 HRG PROJ. CONTACT: #9067-sht-1-15-2021.dgn
 FILE NUMBER: #9067-sht-1-15-2021.dgn
 PEN TABLE: pen.tbl

TS SHT NO. 1

pelco PHL 405-340-3434 FAX 405-340-3435
 EDMOND, OK 73013 www.pelcoinc.com
 This drawing is for reference only. It is the property of Pelco and is not to be used in whole or in part without Pelco's written permission.

ASSEMBLY SHEET

REF: TITLE: **Astro-Brac Stellar Assy, 1-Way Cable Mount** PART NO.: **AS-0125**

NOTE: TWO (2) OR MORE AS-0125'S MAY BE NECESSARY DEPENDING ON SIGN LENGTH

ITEM	PART NUMBER	DESCRIPTION	QTY
1	AB-4000-PXX	Astro-Brac Arm Kit, 1-Way 8-1/2" CTC, Alum	1
2	AS-3009-L-PXX	Astro-Brac Stellar Clamp Kit, Galv Cable Mount, Alum	1
3	AB-2003-L-PXX	Gusseted Tube w/ PVC Insert, 1-1/2" TOE x Length, Alum	1

ROGERS 9/25/2007 KSM 1/2/2008
 DATE CHECKED DATE MFG ENG DATE DA DATE REV 10/10/13 CC LCA 11/9/2013
 SHEET 1 OF 1

pelco www.pelcoinc.com
 EDMOND, OK 73013 405-340-3434 FAX 405-340-3435
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ASSEMBLY SHEET

REF: TITLE: **Astro-Sign -Brac, Cable Mount, Alum** PART NO.: **AB-0142**

ITEM	PART NUMBER	DESCRIPTION	QTY
1	AB-3009-L	Astro-Brac Clamp Kit, Galv Cable Mount	1
2	AB-0283-L	Tube, Sign Brac 1-1/2" Sch 10 x Length, Alum	1
3	AB-0276-SS	Hardware Kit, Astro Sign-Brac, 5/16"-18, Stainless	1

SHABAZ, L ACORD DATE: 3/18/1992 CHKD: R WOODS DATE: 12/29/2004 REV: 1-2/1/10 TH REV: KAK DATE: 2/5/2010
 SHEET 1 OF 1

pelco PHL 405-340-3434 FAX 405-340-3435
 EDMOND, OK 73013 www.pelcoinc.com
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ASSEMBLY SHEET

REF: TITLE: **Post Top Solar Panel Mount w/ 2" Sign Clamps & Tube, Alum** PART NO.: **SP-5934**

ITEM	PART NUMBER	DESCRIPTION	QTY
1	AB-0260-P02	Cap, Tube, Black Semi-Gloss	2
2	SE-0484-L	Tube, 1-1/2" x Length, Alum	1
3	AB-0502-02	Sign Clamp w/ Hardware, Astro-Brac, 2", Alum	2
4	AB-3048-PXX	Tube Saddle Kit w/ 5/16" V-Bolt & Hardware, Alum	1
5	SE-0309-03	Nipple, All Thread 1-1/2" NPS x 3" Alum	1
6	SE-3106-PXX	Slip Fitter, 1-Way, Alum	1

CBJ 9/24/2013 KAK 9/24/2013 ZSM 2/24/2014
 DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE DATE
 SHEET 1 OF 1



USER NAME = jhorwit	DESIGNED -	REVISED -
PLLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLLOT DATE = 9/17/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ILLUMINATED STREET NAME SIGN
 MOUNTING DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	71C
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	61H15	

REMOVAL AND RELOCATION NOTES:

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

- 1 EACH UNINTERRUPTABLE POWER SUPPLY (UPS)
- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 3 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 8 EACH TRAFFIC SIGNAL BACKPLATE

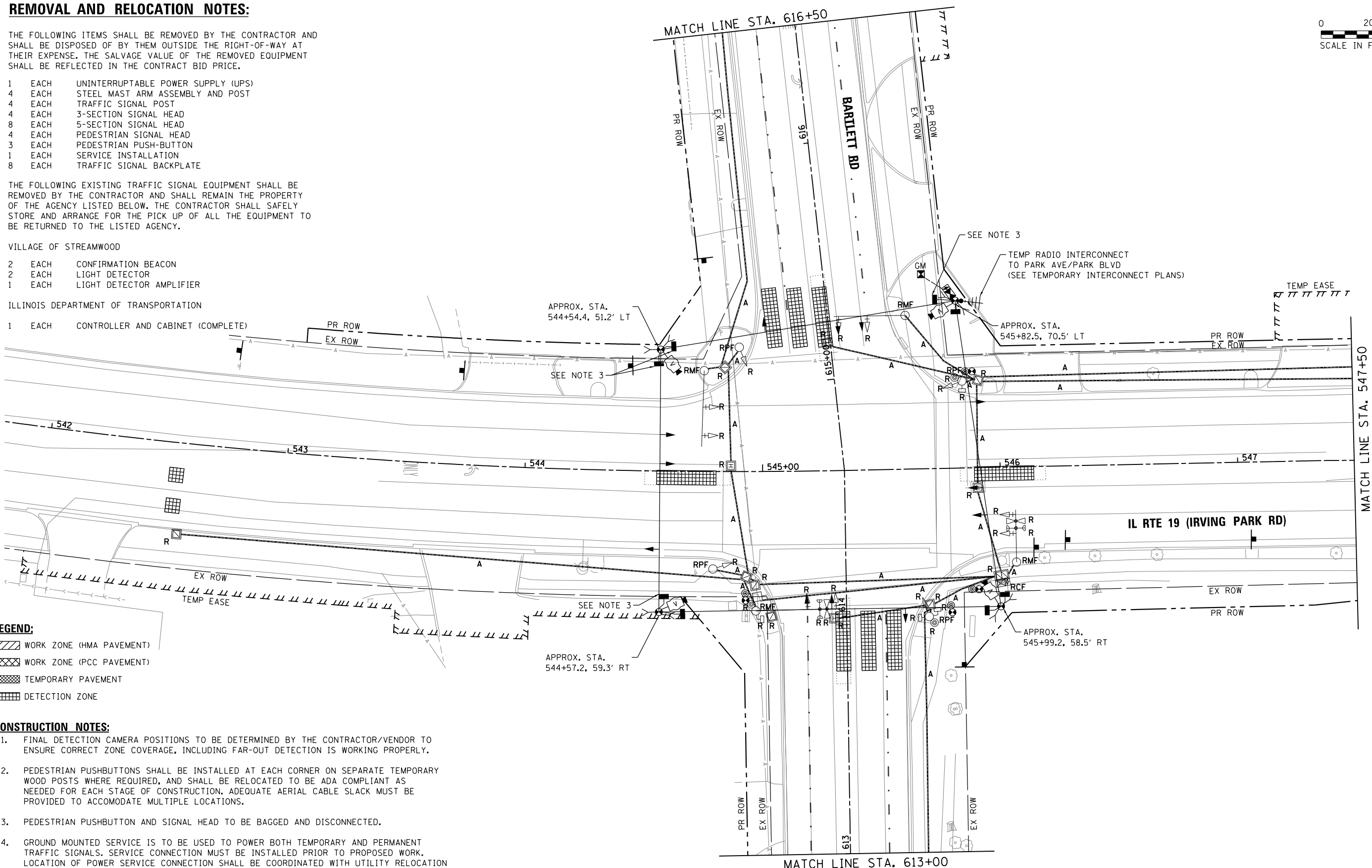
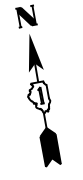
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

VILLAGE OF STREAMWOOD

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

- 1 EACH CONTROLLER AND CABINET (COMPLETE)



- LEGEND:**
- WORK ZONE (HMA PAVEMENT)
 - WORK ZONE (PCC PAVEMENT)
 - TEMPORARY PAVEMENT
 - DETECTION ZONE

CONSTRUCTION NOTES:

1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.
2. PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT EACH CORNER ON SEPARATE TEMPORARY WOOD POSTS WHERE REQUIRED, AND SHALL BE RELOCATED TO BE ADA COMPLIANT AS NEEDED FOR EACH STAGE OF CONSTRUCTION. ADEQUATE AERIAL CABLE SLACK MUST BE PROVIDED TO ACCOMMODATE MULTIPLE LOCATIONS.
3. PEDESTRIAN PUSHBUTTON AND SIGNAL HEAD TO BE BAGGED AND DISCONNECTED.
4. GROUND MOUNTED SERVICE IS TO BE USED TO POWER BOTH TEMPORARY AND PERMANENT TRAFFIC SIGNALS. SERVICE CONNECTION MUST BE INSTALLED PRIOR TO PROPOSED WORK. LOCATION OF POWER SERVICE CONNECTION SHALL BE COORDINATED WITH UTILITY RELOCATION CONTRACTOR IN THE FIELD.
5. UTILITY RELOCATION DESIGN IS NOT YET FINALIZED. TEMPORARY TRAFFIC SIGNAL WOOD POLE LOCATIONS MAY BE ADJUSTED IN THE FIELD AFTER PROPOSED POWER POLE AND POWER LINE RELOCATION TO ENSURE NO CONFLICTS.

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	ALIGNED	
	CHECKED	
	FILED	
	DATE	

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-190567-01.dgn
 FILE NAME: 190567-sht-190567-01.dgn
 PEN TABLE: 190567-sht-190567-01.dgn
TS SHT NO. 9



USER NAME = dstencz	DESIGNED - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - TAY	REVISED -
PLOT DATE = 8/18/2021	CHECKED - TEH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE
EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN-PRESTAGE (SHEET 1 OF 2)
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: 1"=20' SHEET 1 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	72
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

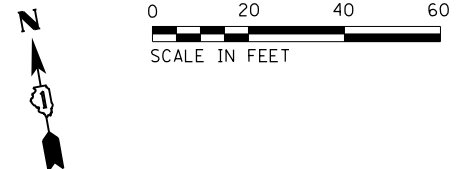
TS 1935
ECON 158

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- WORK ZONE (PCC PAVEMENT)
- TEMPORARY PAVEMENT
- DETECTION ZONE

CONSTRUCTION NOTES:

1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.

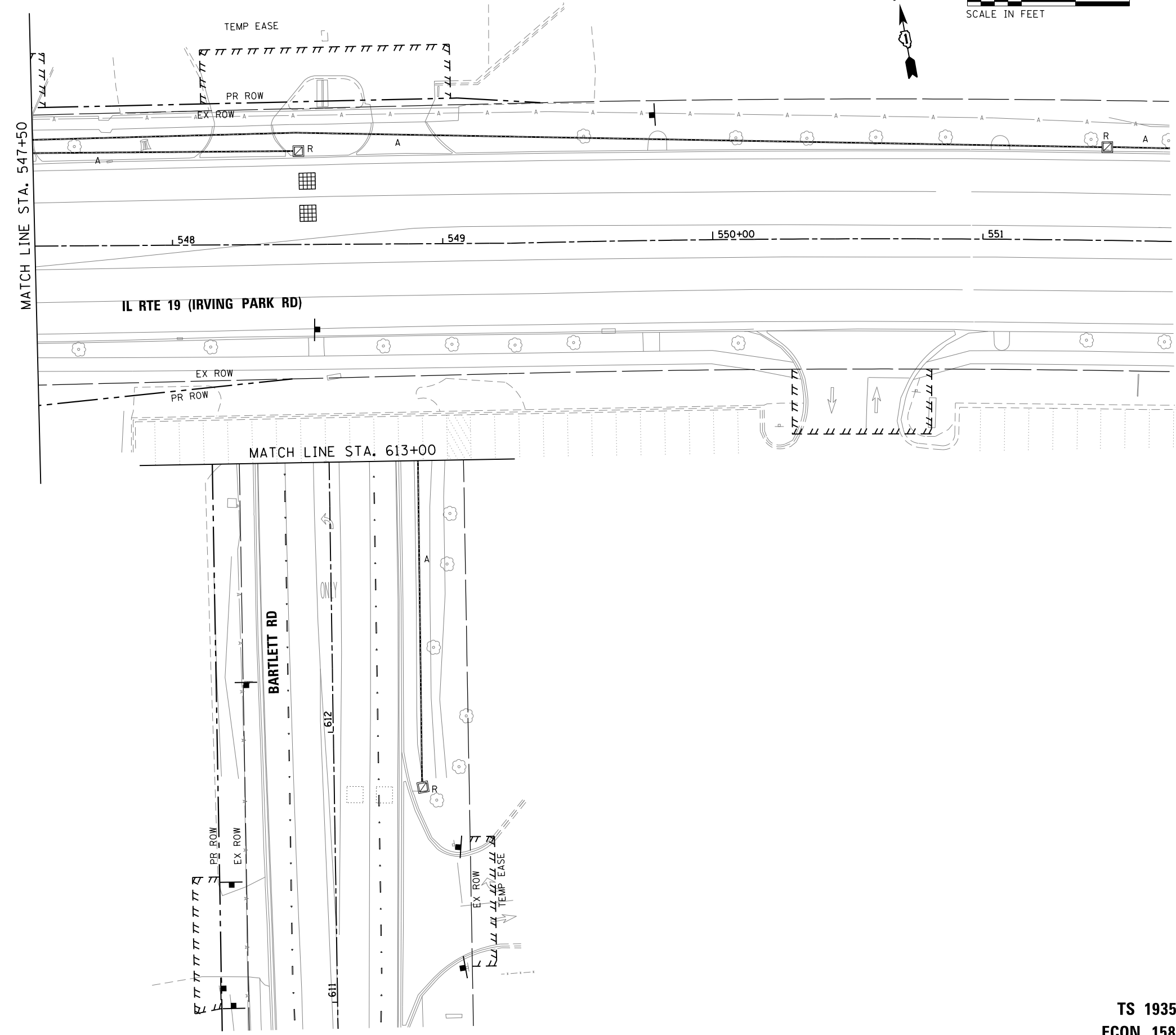
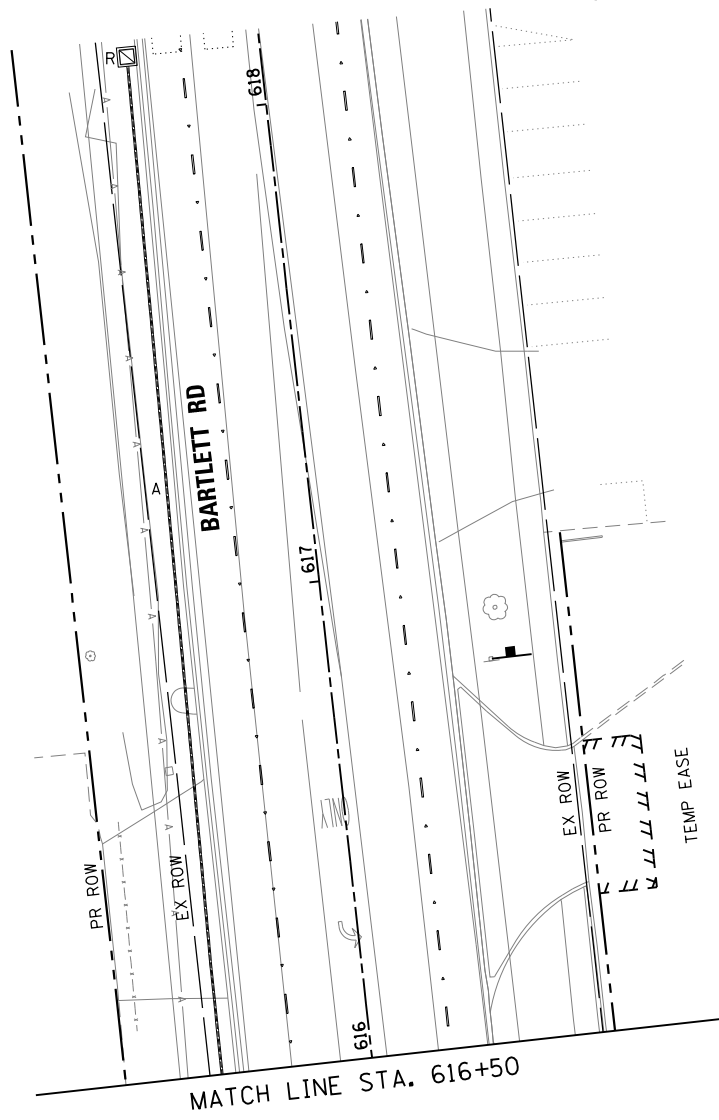


PLAN	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK NO.	DATE
CHECKED	DATE
DRAWN	DATE
SCALE	DATE

PROFILE	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK NO.	DATE
CHECKED	DATE
DRAWN	DATE
SCALE	DATE

TS SHT NO. 10

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-10/10-02.dgn
 FILE NAME: 190567-sht-10/10-02.dgn
 PEN TABLE: 190567.tbl



USER NAME = dstencz	DESIGNED - TAY	REVISED -	
	DRAWN - TAY	REVISED -	
PLOT SCALE = 48.0000' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 8/18/2021	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE
EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN—PRESTAGE (SHEET 2 OF 2)
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	73
CONTRACT NO. 61H15				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**TS 1935
ECON 158**

SCALE: 1"=20' SHEET 2 OF 23 SHEETS STA. TO STA.

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

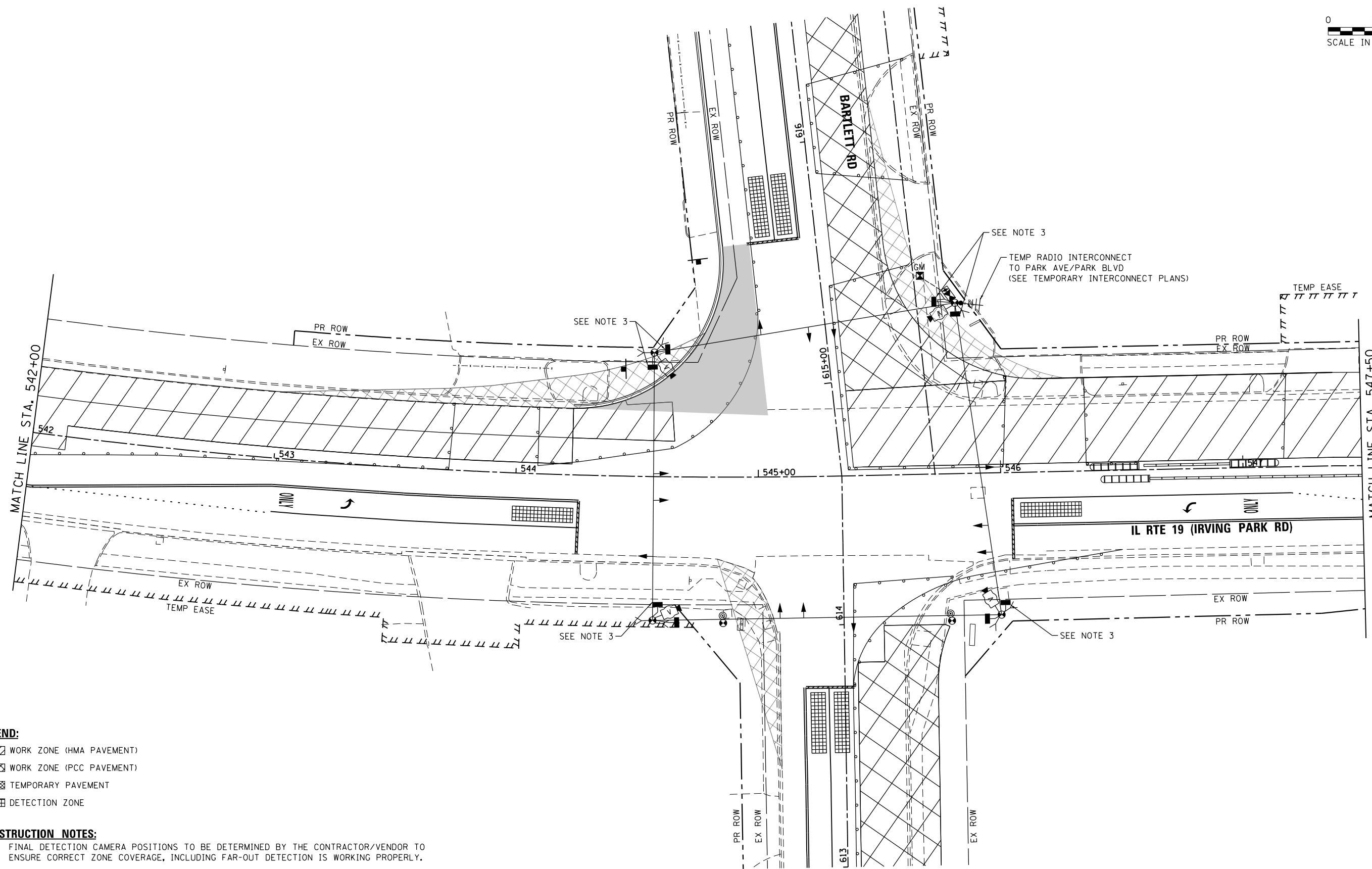
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	NO.	
	FILE NAME	
	TABLE	

TS SHT NO. 11

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-11-19-01.dgn
 FILE NAME: 190567-sht-11-19-01.dgn
 PEN TABLE:

0 20 40 60

SCALE IN FEET



- LEGEND:**
- WORK ZONE (HMA PAVEMENT)
 - WORK ZONE (PCC PAVEMENT)
 - TEMPORARY PAVEMENT
 - DETECTION ZONE

- CONSTRUCTION NOTES:**
1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.
 2. PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT EACH CORNER ON SEPARATE TEMPORARY WOOD POSTS WHERE REQUIRED, AND SHALL BE RELOCATED TO BE ADA COMPLIANT AS NEEDED FOR EACH STAGE OF CONSTRUCTION. ADEQUATE AERIAL CABLE SLACK MUST BE PROVIDED TO ACCOMMODATE MULTIPLE LOCATIONS.
 3. PEDESTRIAN PUSHBUTTON AND SIGNAL HEAD TO BE BAGGED AND DISCONNECTED.



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 STAGE 1 (SHEET 1 OF 2)
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: 1"=20' SHEET 3 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	74
CONTRACT NO.			61H15	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

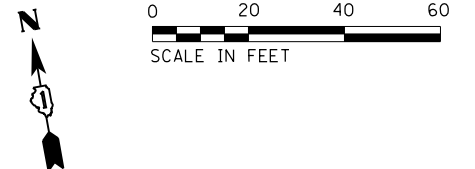
TS 1935
 ECON 158

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- WORK ZONE (PCC PAVEMENT)
- TEMPORARY PAVEMENT
- DETECTION ZONE

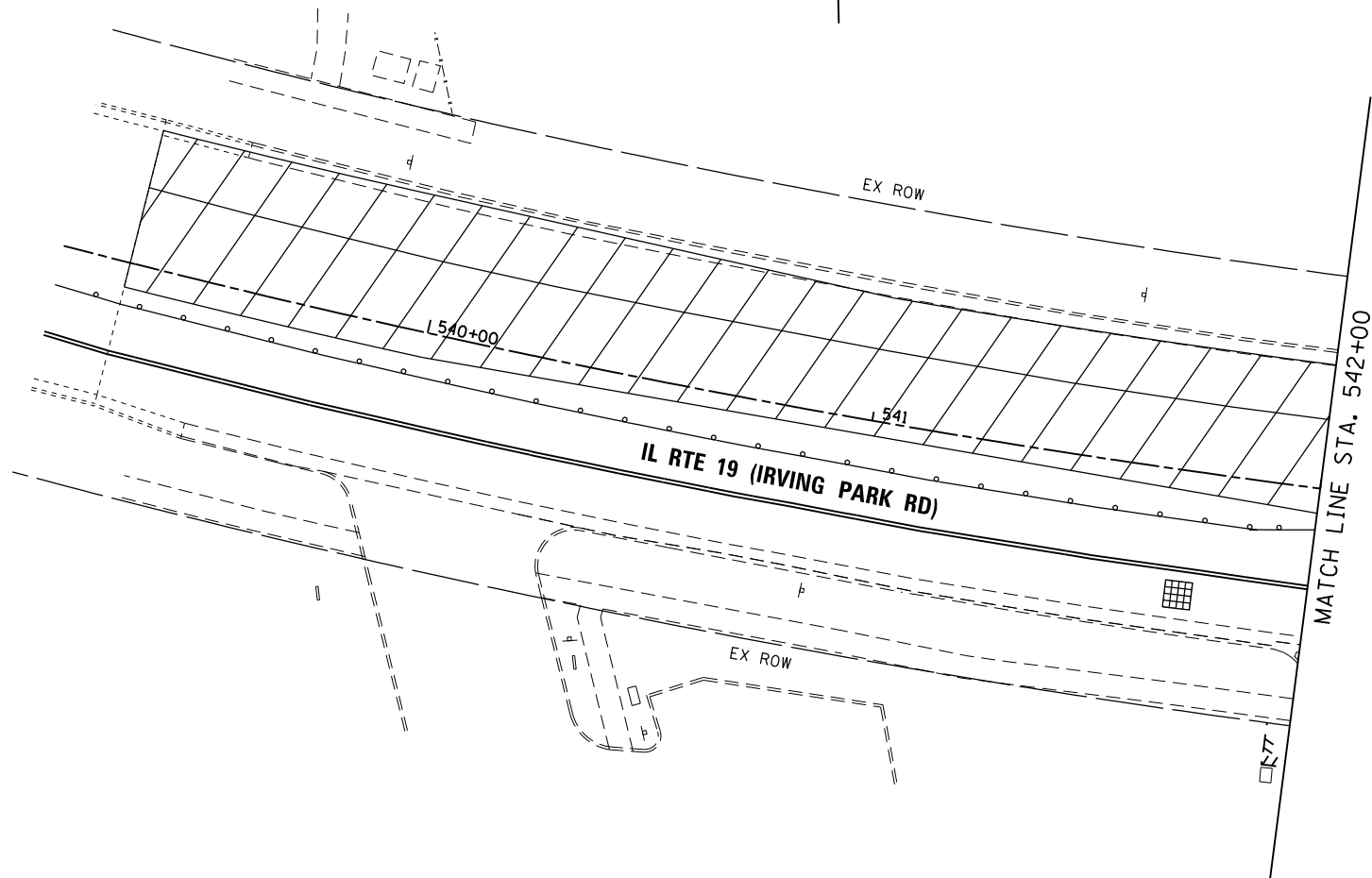
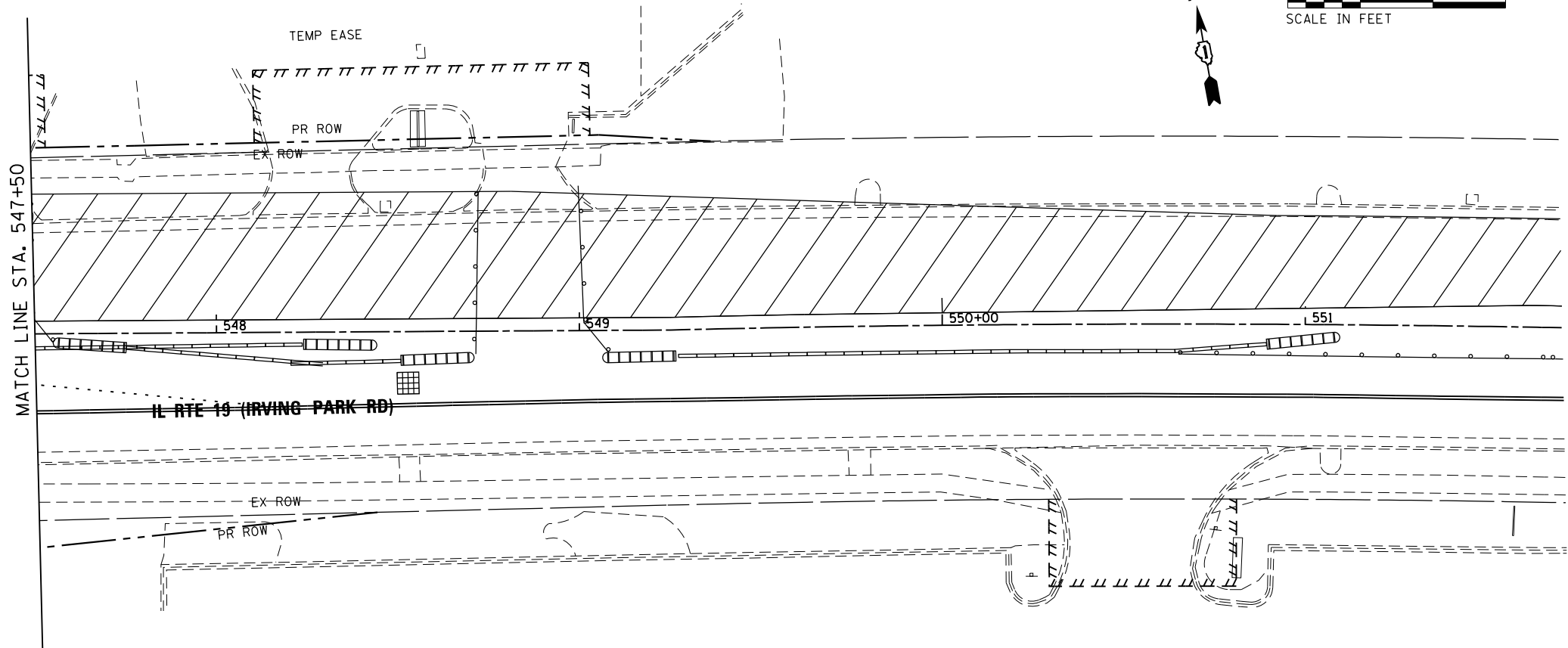
CONSTRUCTION NOTES:

1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.



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

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



HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm+1-1919-02.dgn
 FILE NAME: 190567-sm+1-1919-02.dgn
 PEN TABLE: pcc1tbl.tbl

TS SHT NO. 12



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 1 (SHEET 2 OF 2)
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: 1"=20' SHEET 4 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	75
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

**TS 1935
ECON 158**

CONTRACT NO. 61H15



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

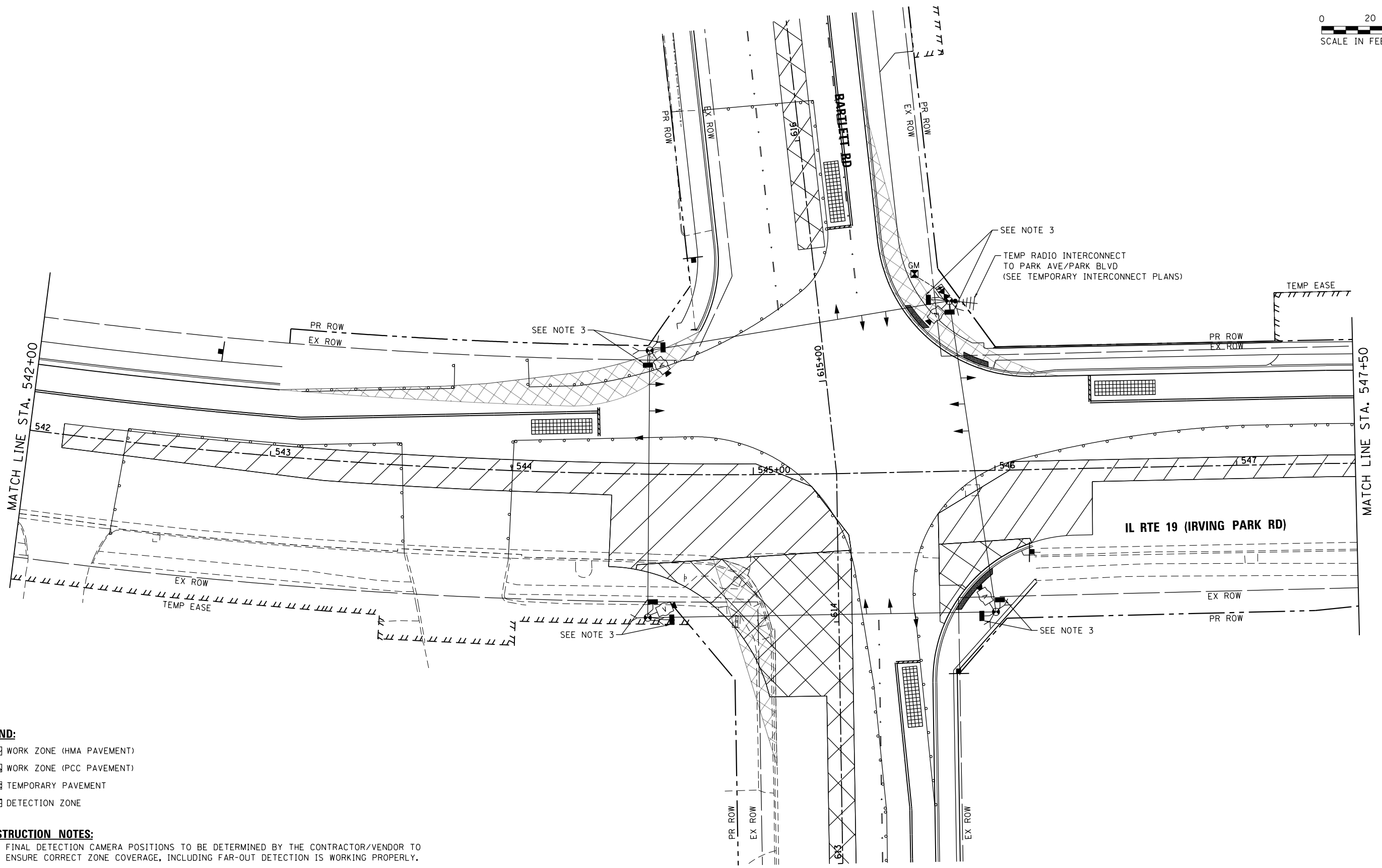
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATIONS CHECKED	

TS SHT NO. 13

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-13-01-01.dgn
 FILE NUMBER: 190567-13
 PEN TABLE: 190567.tbl

- LEGEND:**
- WORK ZONE (HMA PAVEMENT)
 - WORK ZONE (PCC PAVEMENT)
 - TEMPORARY PAVEMENT
 - DETECTION ZONE

- CONSTRUCTION NOTES:**
1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.
 2. PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT EACH CORNER ON SEPARATE TEMPORARY WOOD POSTS WHERE REQUIRED, AND SHALL BE RELOCATED TO BE ADA COMPLIANT AS NEEDED FOR EACH STAGE OF CONSTRUCTION. ADEQUATE AERIAL CABLE SLACK MUST BE PROVIDED TO ACCOMMODATE MULTIPLE LOCATIONS.
 3. PEDESTRIAN PUSHBUTTON AND SIGNAL HEAD TO BE BAGGED AND DISCONNECTED.



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 STAGE 2 (SHEET 1 OF 2)
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	76
CONTRACT NO.			61H15	

**TS 1935
 ECON 158**

SCALE: 1"=20' SHEET 5 OF 23 SHEETS STA. TO STA.

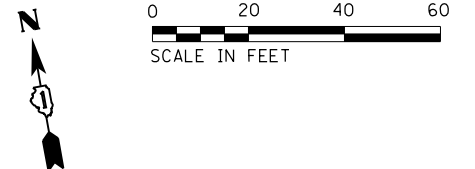
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- WORK ZONE (PCC PAVEMENT)
- TEMPORARY PAVEMENT
- DETECTION ZONE

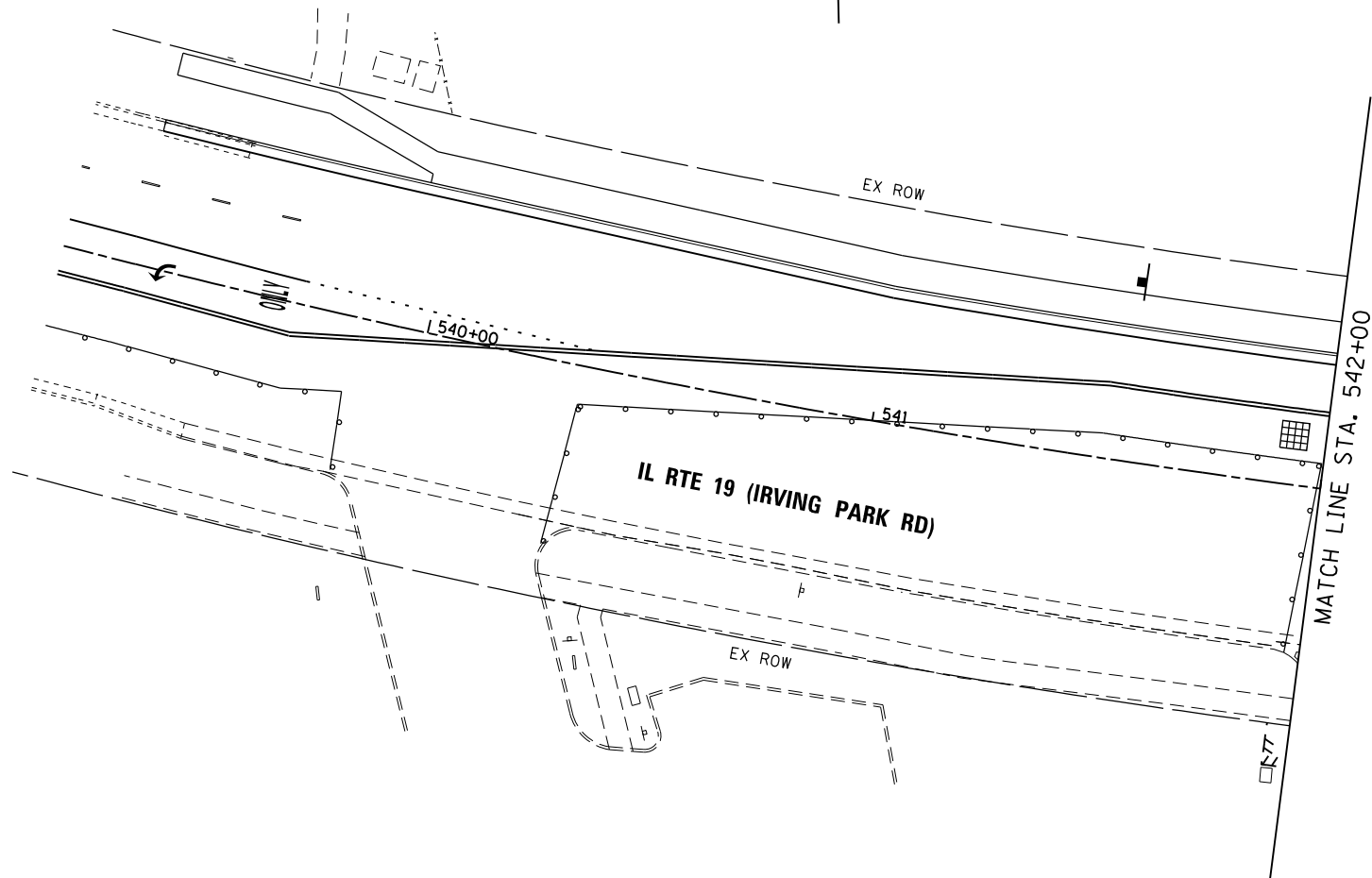
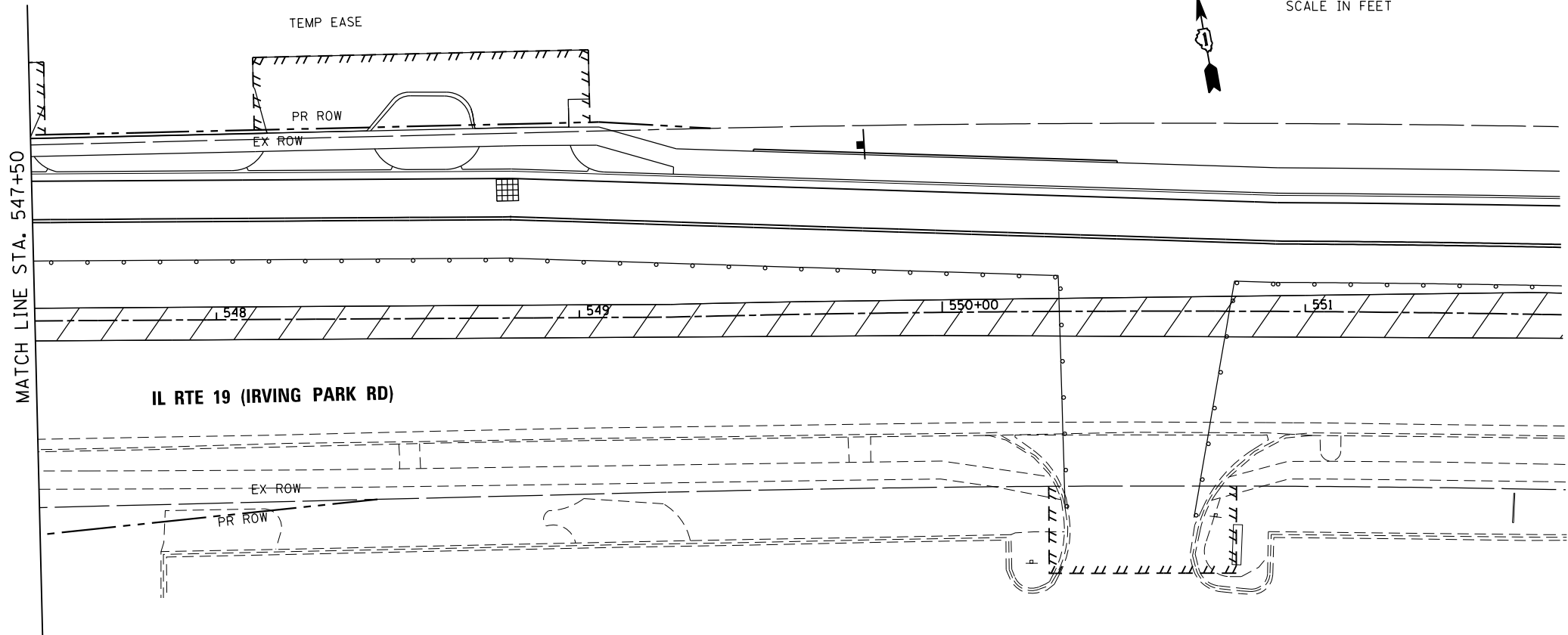
CONSTRUCTION NOTES:

1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.



PLAN	DATE
SURVEYED PLOTTED ALIGNMENT CHECKED ASPHALT PAVED CADD FILE NAME	BY
NOTE BOOK NO.	

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



HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-19192-02.dgn
 FILE NAME: 190567.dwg
 PEN TABLE: pcc1tbl.tbl
TS SHT NO. 14



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 2 (SHEET 2 OF 2)
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: 1"=20' SHEET 6 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	77
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

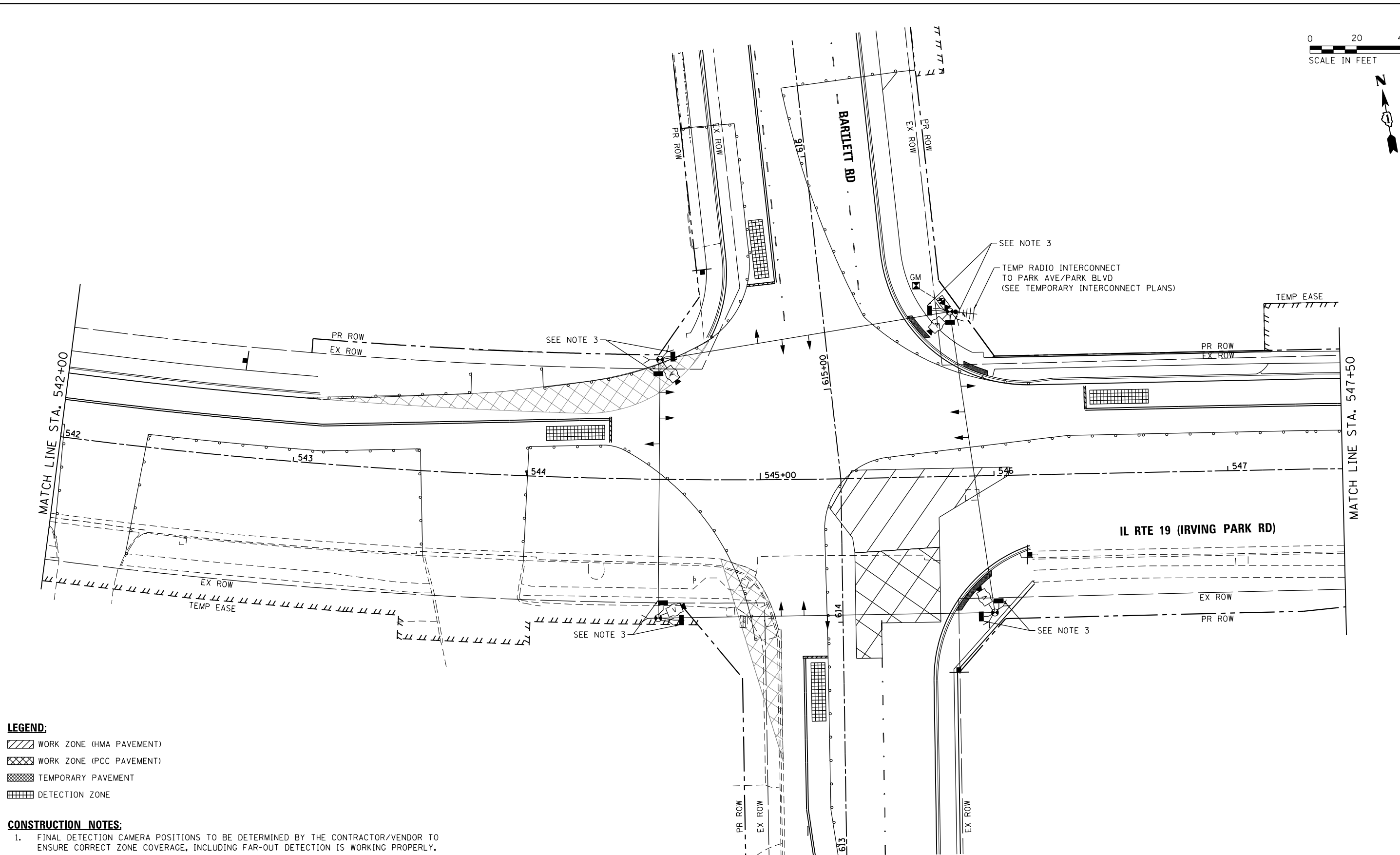
**TS 1935
ECON 158**



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

TS SHT NO. 15
 HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-190567-01.dgn
 FILE NUMBER: 190567-01-190567-01.dgn
 PEN TABLE:



- LEGEND:**
- WORK ZONE (HMA PAVEMENT)
 - WORK ZONE (PCC PAVEMENT)
 - TEMPORARY PAVEMENT
 - DETECTION ZONE

- CONSTRUCTION NOTES:**
1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.
 2. PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT EACH CORNER ON SEPARATE TEMPORARY WOOD POSTS WHERE REQUIRED, AND SHALL BE RELOCATED TO BE ADA COMPLIANT AS NEEDED FOR EACH STAGE OF CONSTRUCTION. ADEQUATE AERIAL CABLE SLACK MUST BE PROVIDED TO ACCOMMODATE MULTIPLE LOCATIONS.
 3. PEDESTRIAN PUSHBUTTON AND SIGNAL HEAD TO BE BAGGED AND DISCONNECTED.



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 STAGE 2A (SHEET 1 OF 2)
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD
 SCALE: 1"=20' SHEET 7 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	78
CONTRACT NO.			61H15	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

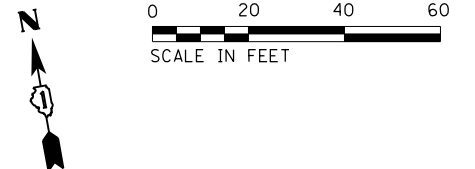
TS 1935
 ECON 158

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- WORK ZONE (PCC PAVEMENT)
- TEMPORARY PAVEMENT
- DETECTION ZONE

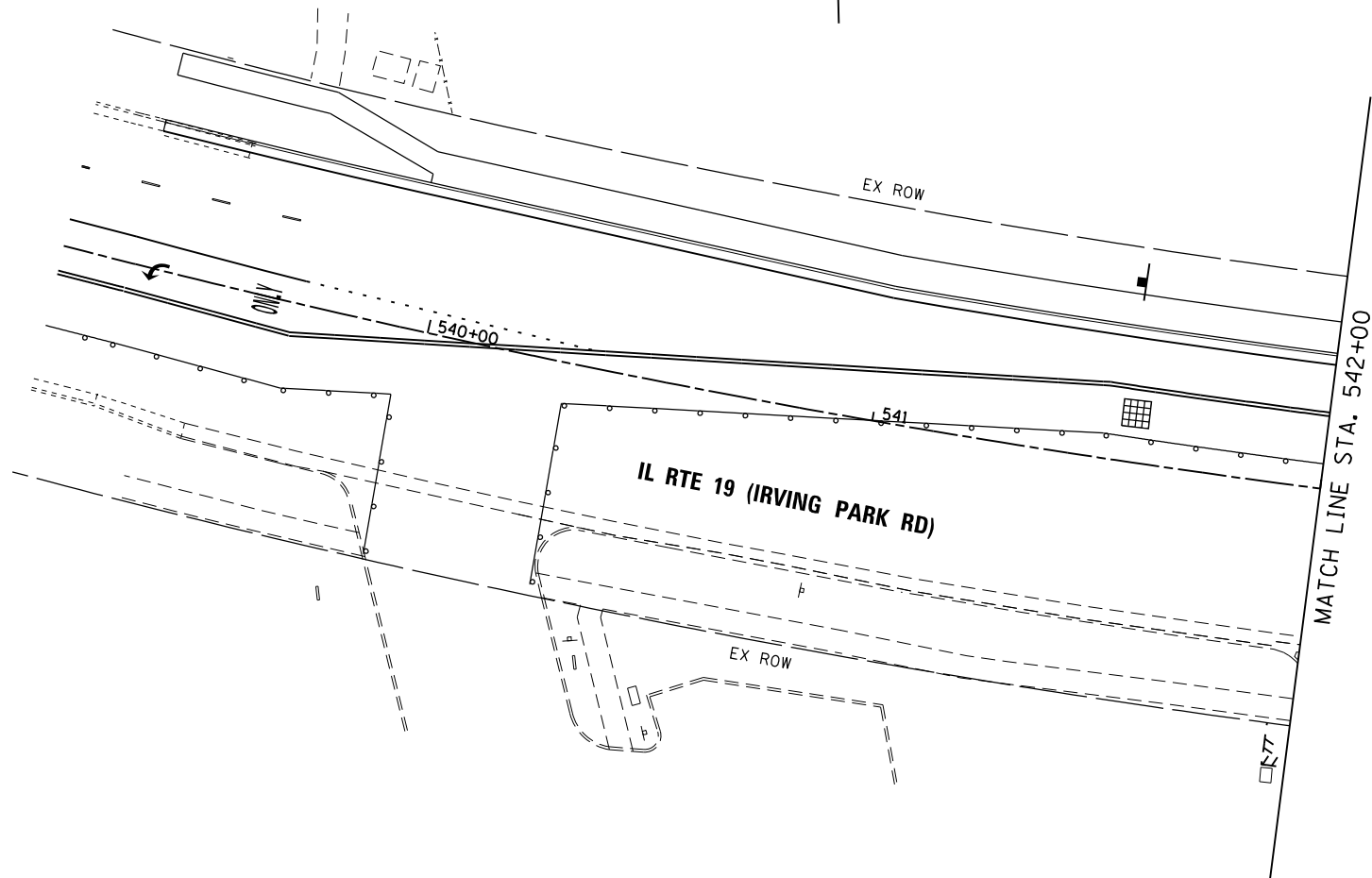
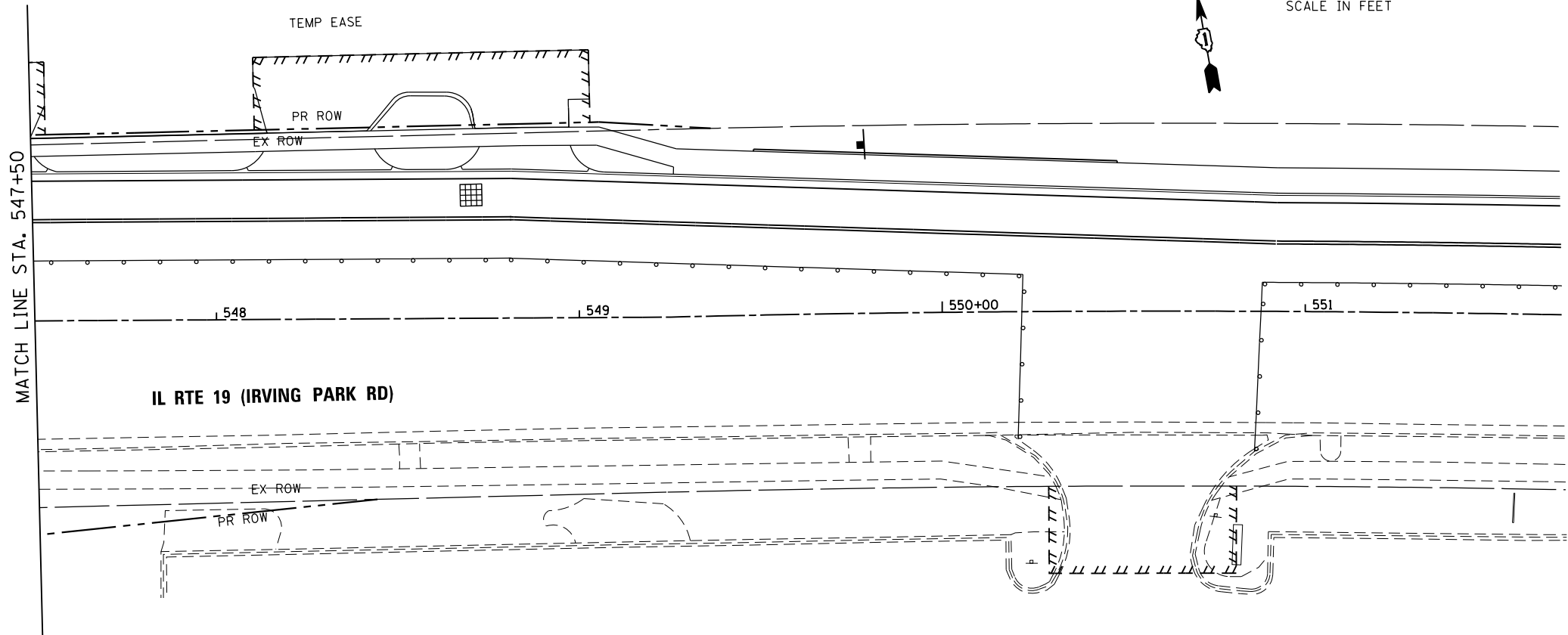
CONSTRUCTION NOTES:

1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.



PLAN	DATE
SURVEYED PLOTTED ALIGNMENT CHECKED ASPHALT PAVED CADD FILE NAME	BY
NOTE BOOK NO.	

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



HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-191g20-02.dgn
 FILE NAME: 190567-sht-191g20-02.dgn
 PEN TABLE: 190567-sht-191g20-02.dgn

TS SHT NO. 16



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 2A (SHEET 2 OF 2)
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: 1"=20' SHEET 8 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	79
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

**TS 1935
ECON 158**



PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	ALIGNMENT CHECKED	
	AS BUILT	
	FIELD FILE NAME	

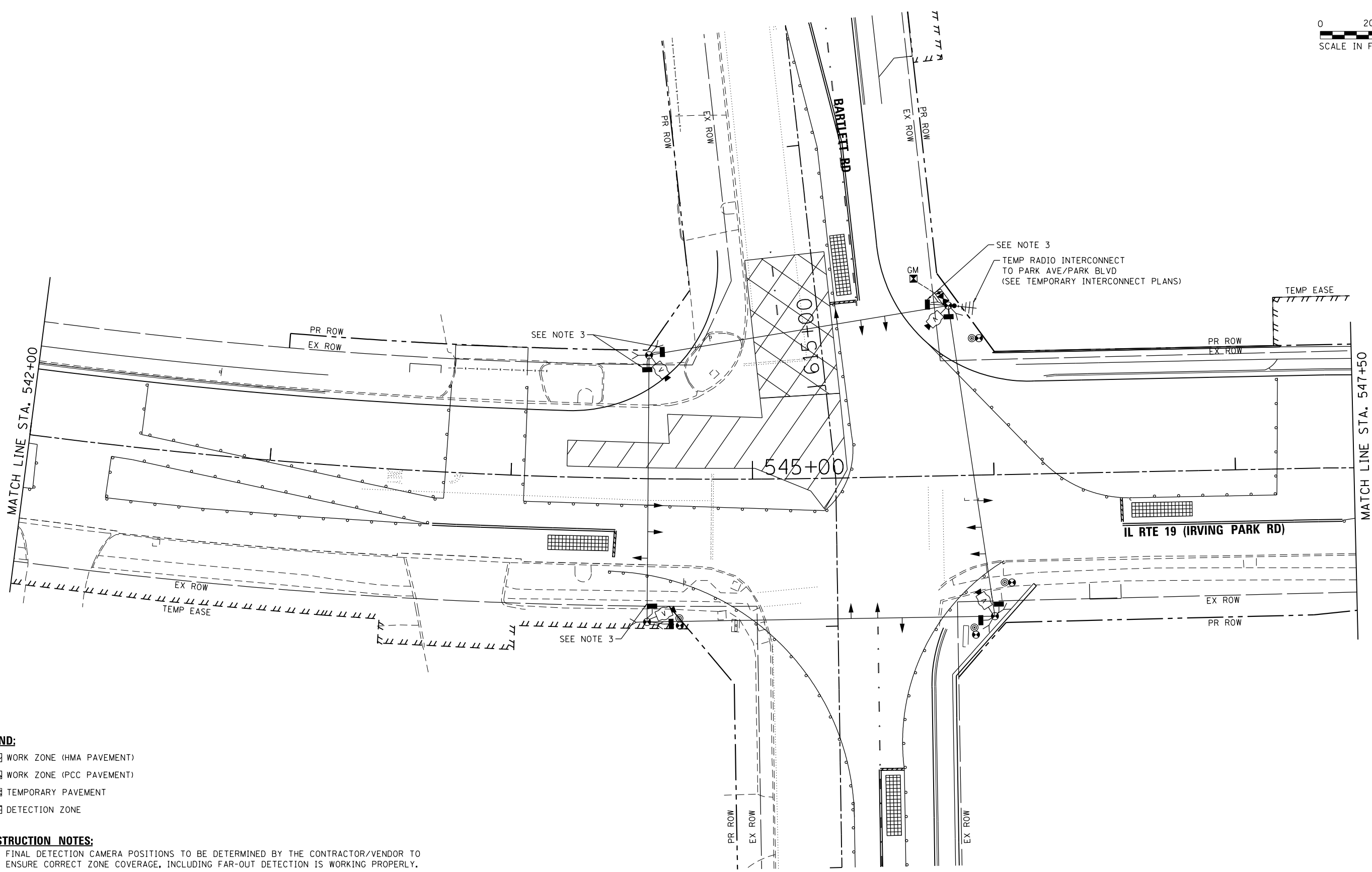
PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE NOTATIONS CHECKED	

HRG PROJECT NO.: #90567
 HRG PROJ. CONTACT: #90567-srt-1-19-2020-01.dgn
 FILE NAME: #90567-srt-1-19-2020-01.dgn
 PEN TABLE: #90567-srt-1-19-2020-01.dgn

TS SHT NO. 17

- LEGEND:**
- WORK ZONE (HMA PAVEMENT)
 - WORK ZONE (PCC PAVEMENT)
 - TEMPORARY PAVEMENT
 - DETECTION ZONE

- CONSTRUCTION NOTES:**
- FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.
 - PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT EACH CORNER ON SEPARATE TEMPORARY WOOD POSTS WHERE REQUIRED, AND SHALL BE RELOCATED TO BE ADA COMPLIANT AS NEEDED FOR EACH STAGE OF CONSTRUCTION. ADEQUATE AERIAL CABLE SLACK MUST BE PROVIDED TO ACCOMMODATE MULTIPLE LOCATIONS.
 - PEDESTRIAN PUSHBUTTON AND SIGNAL HEAD TO BE BAGGED AND DISCONNECTED.



USER NAME = dstencz	DESIGNED - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - TAY	REVISED -
PLOT DATE = 8/18/2021	CHECKED - TEH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 STAGE 2B (SHEET 1 OF 2)
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: 1"=20' SHEET 9 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	80
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

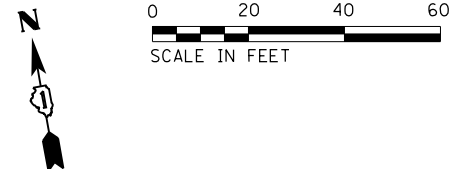
**TS 1935
 ECON 158**

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- WORK ZONE (PCC PAVEMENT)
- TEMPORARY PAVEMENT
- DETECTION ZONE

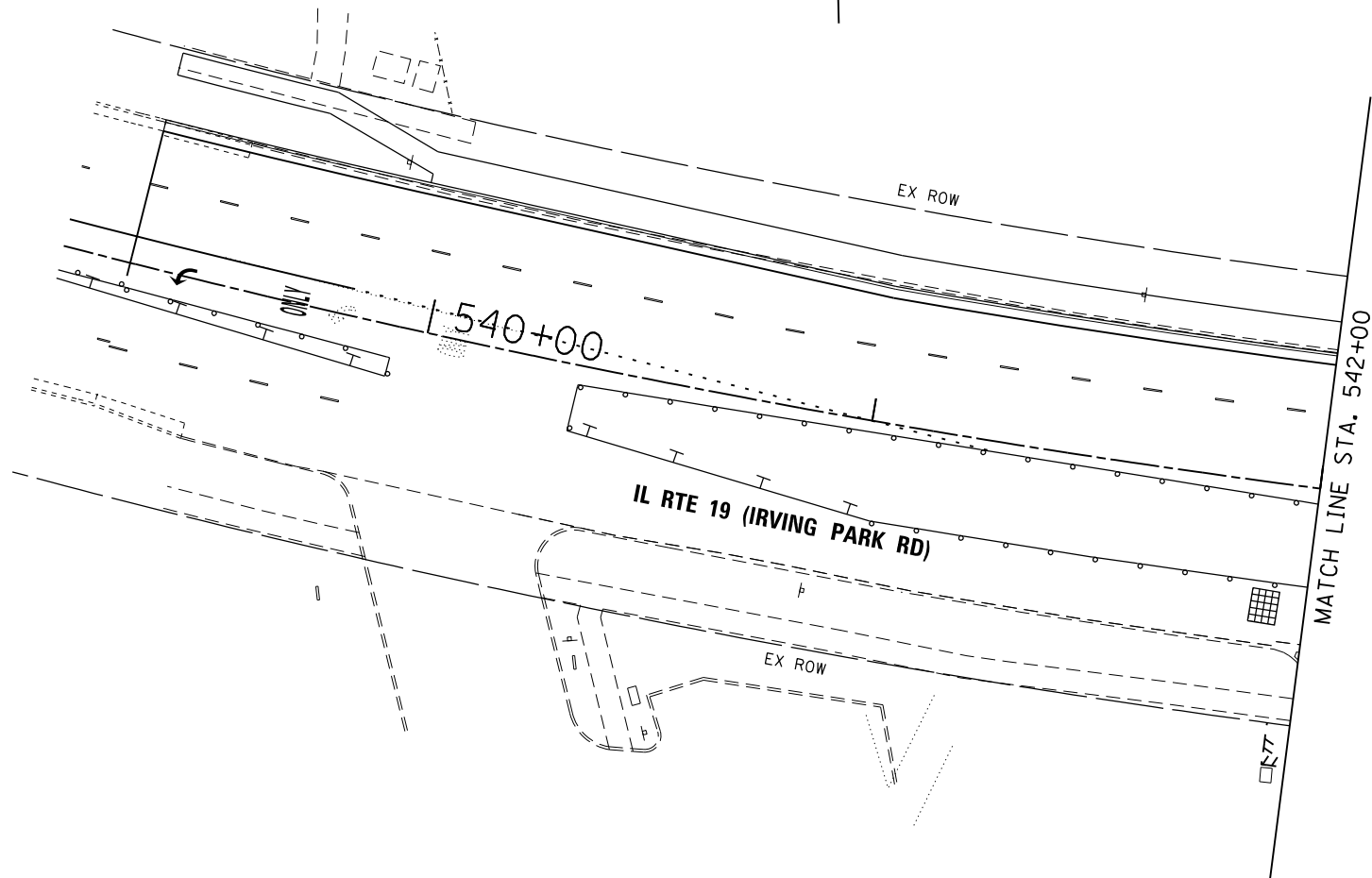
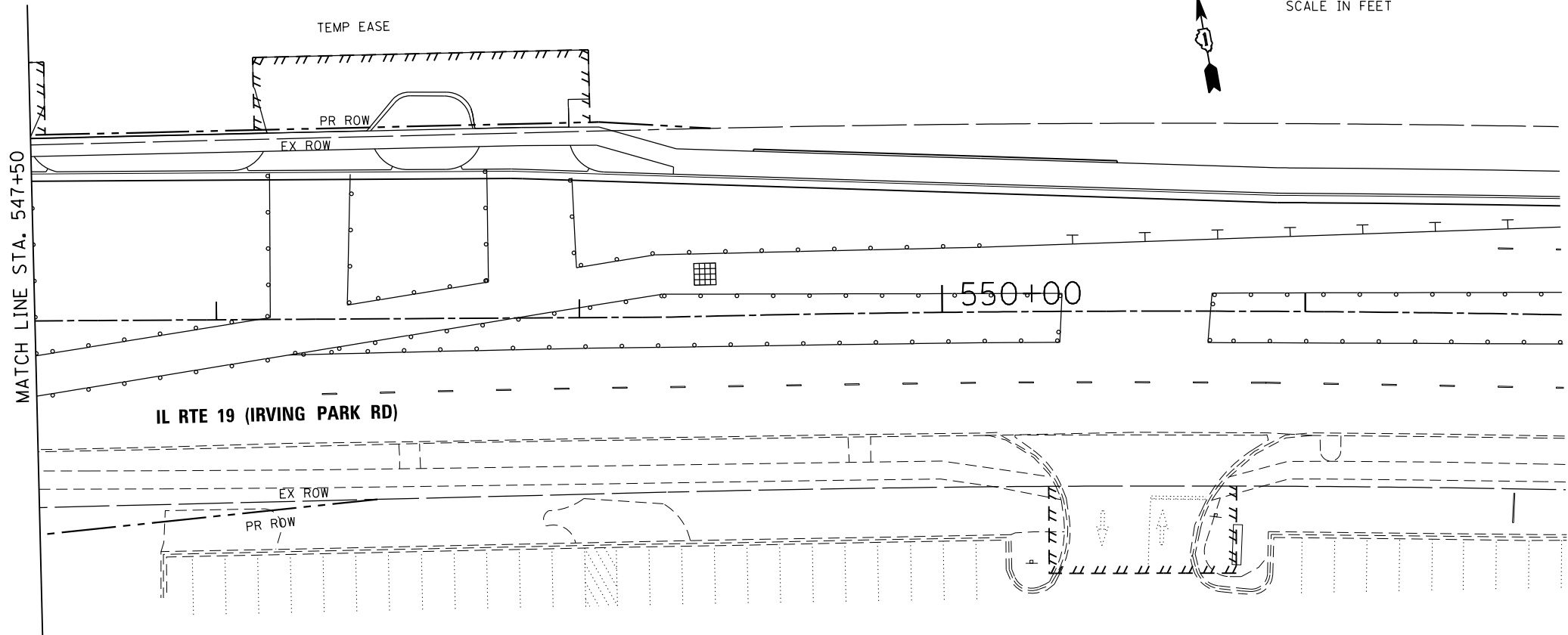
CONSTRUCTION NOTES:

1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.



PLAN	DATE
SURVEYED PLOTTED ALIGNMENT CHECKED ASPHALT PAVED CADD FILE NAME	
NOTE BOOK NO.	

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



HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-19-02b-02.dgn
 FILE NAME: 190567-sht-19-02b-02.dgn
 PEN TABLE: 190567-sht-19-02b-02.dgn

TS SHT NO. 18

**TS 1935
ECON 158**



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE 2B (SHEET 2 OF 2) IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: 1"=20'	SHEET 10 OF 23 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	81
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

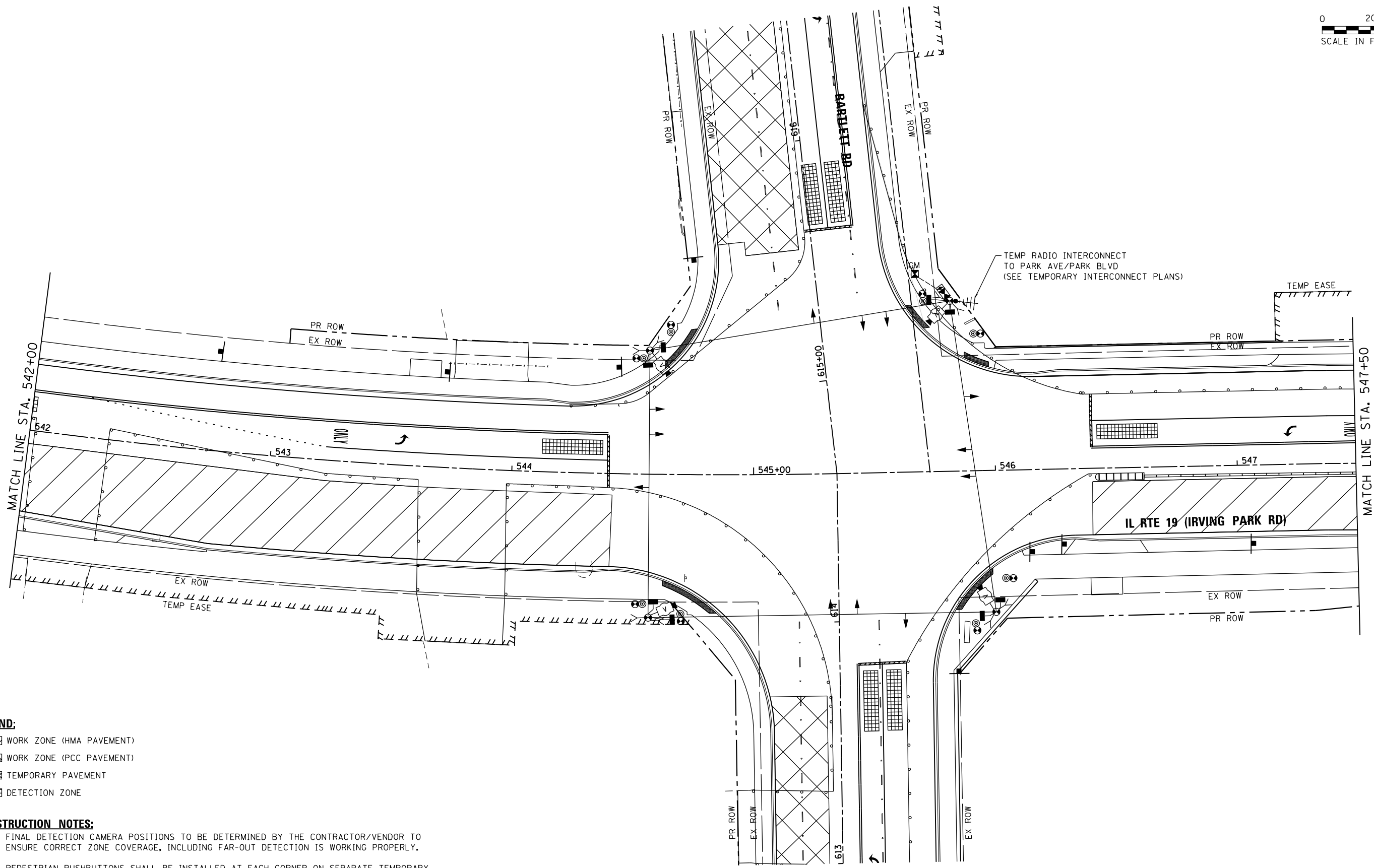


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

TS SHT NO. 19

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm-1-1913-01.dgn
 FILE NAME: 190567-sm-1-1913-01.dgn
 PEN TABLE: 190567.dgn



- LEGEND:**
- WORK ZONE (HMA PAVEMENT)
 - WORK ZONE (PCC PAVEMENT)
 - TEMPORARY PAVEMENT
 - DETECTION ZONE

- CONSTRUCTION NOTES:**
1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.
 2. PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT EACH CORNER ON SEPARATE TEMPORARY WOOD POSTS WHERE REQUIRED, AND SHALL BE RELOCATED TO BE ADA COMPLIANT AS NEEDED FOR EACH STAGE OF CONSTRUCTION. ADEQUATE AERIAL CABLE SLACK MUST BE PROVIDED TO ACCOMMODATE MULTIPLE LOCATIONS.

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 STAGE 3 (SHEET 1 OF 2)
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	82
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**TS 1935
 ECON 158**

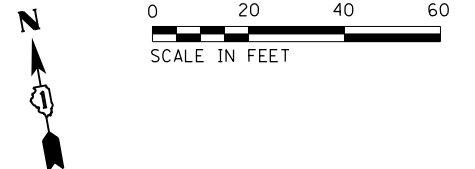
SCALE: 1"=20' SHEET 11 OF 23 SHEETS STA. TO STA.

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- WORK ZONE (PCC PAVEMENT)
- TEMPORARY PAVEMENT
- DETECTION ZONE

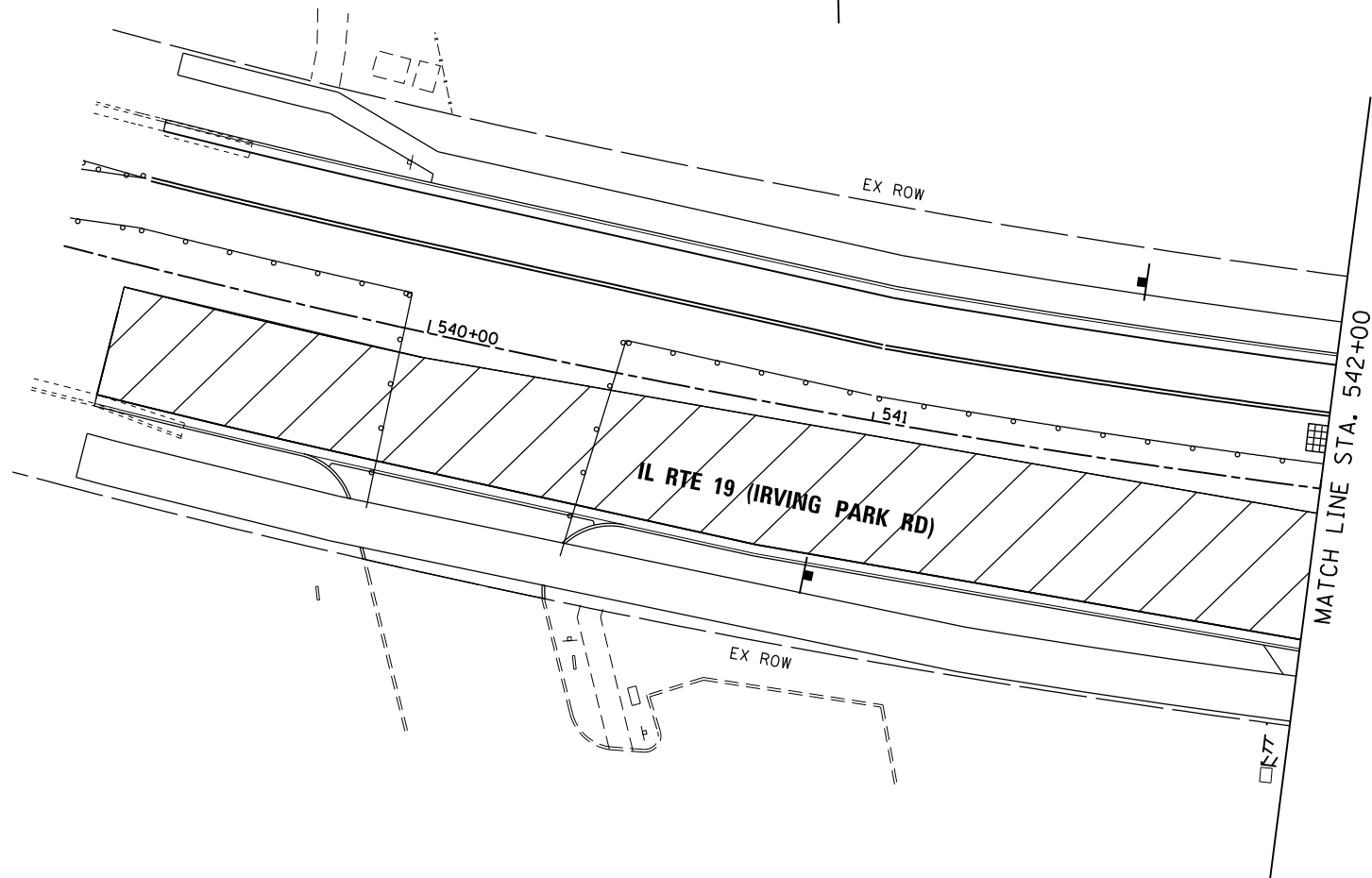
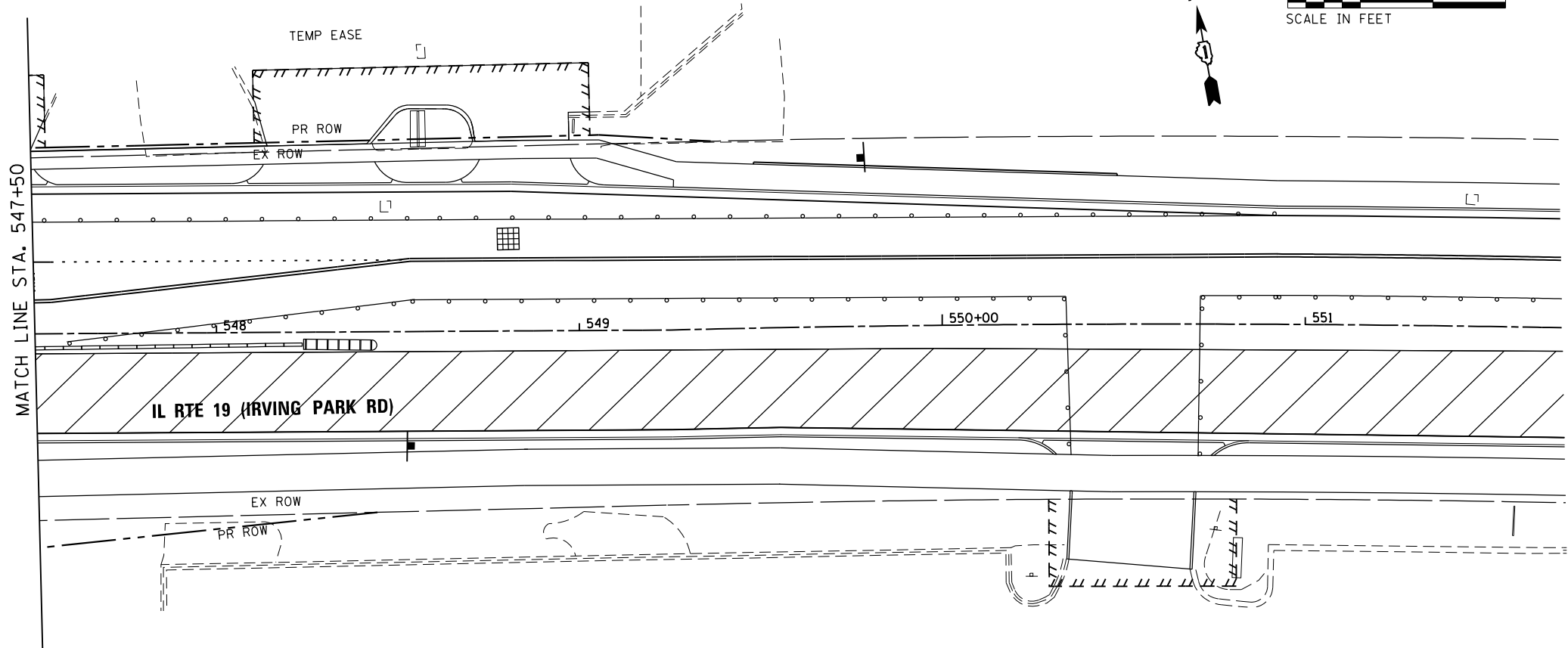
CONSTRUCTION NOTES:

1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.



PLAN	DATE
SURVEYED	BY
PLOTTED	DATE
ALIGNMENT CHECKED	DATE
STRUCTURE NOTATIONS CHECKED	DATE
NOTE BOOK NO.	DATE

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



TS SHT NO. 20

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-19/g3-02.dgn
 FILE NAME: 190567.dwg
 PEN TABLE: pcc1tbl.tbl



USER NAME = dstencz	DESIGNED - TAY	REVISED -	
	DRAWN - TAY	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 8/18/2021	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 3 (SHEET 2 OF 2)
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: 1"=20' SHEET 12 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	83
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

**TS 1935
ECON 158**

0 20 40 60

SCALE IN FEET



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

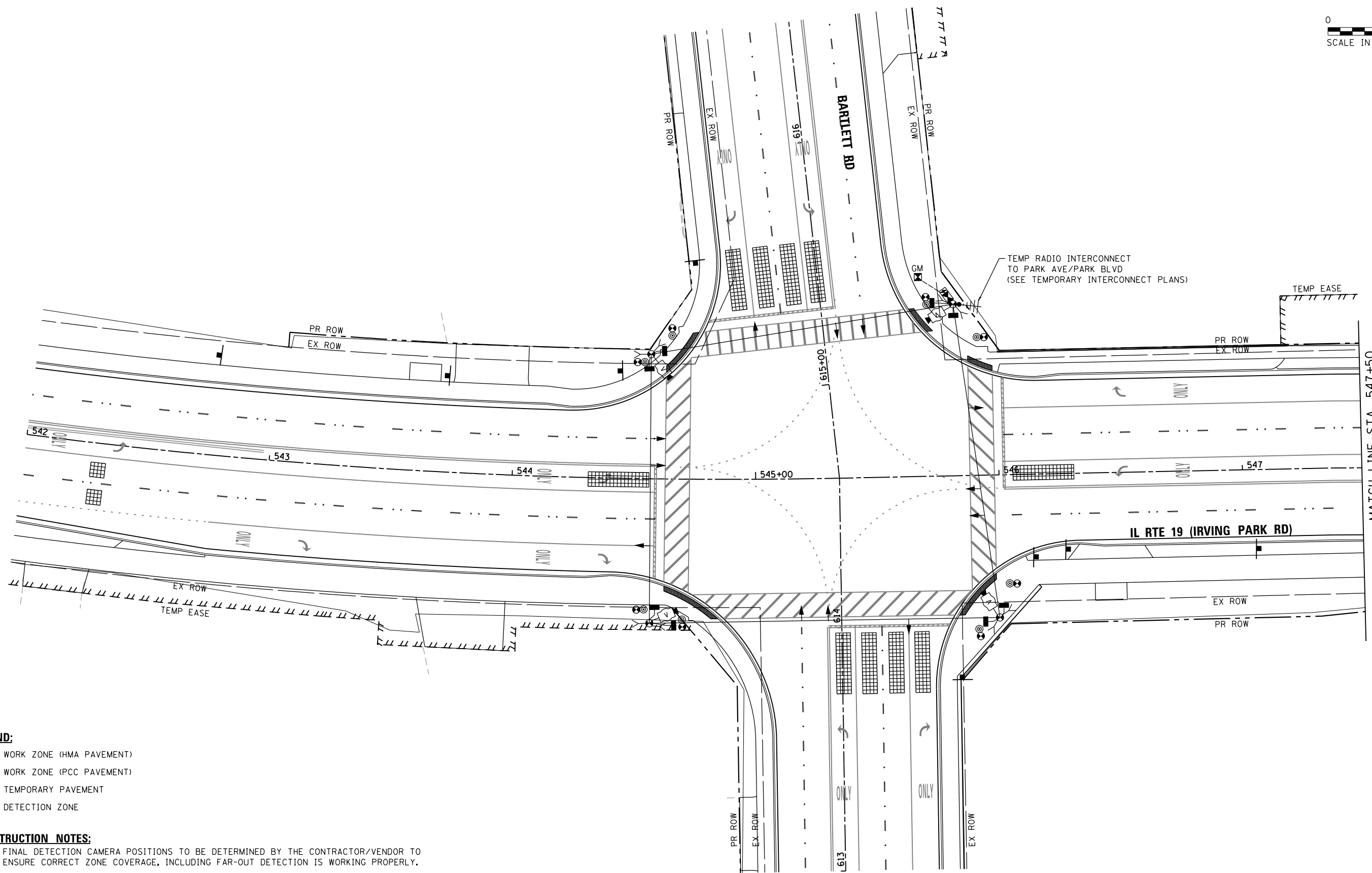
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATIONS	
	CHKD	

TS SHT NO. 21

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smr-fsig/mar-01.dgn
 FILE NAME: 190567-smr-fsig/mar-01.dgn
 PEN TABLE: pccfbtbl.tbl

- LEGEND:**
- WORK ZONE (HMA PAVEMENT)
 - WORK ZONE (PCC PAVEMENT)
 - TEMPORARY PAVEMENT
 - DETECTION ZONE

- CONSTRUCTION NOTES:**
- FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.
 - PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT EACH CORNER ON SEPARATE TEMPORARY WOOD POSTS WHERE REQUIRED, AND SHALL BE RELOCATED TO BE ADA COMPLIANT AS NEEDED FOR EACH STAGE OF CONSTRUCTION. ADEQUATE AERIAL CABLE SLACK MUST BE PROVIDED TO ACCOMMODATE MULTIPLE LOCATIONS.



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 FINAL STAGE (SHEET 1 OF 2)
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: 1"=20' SHEET 13 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	84
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

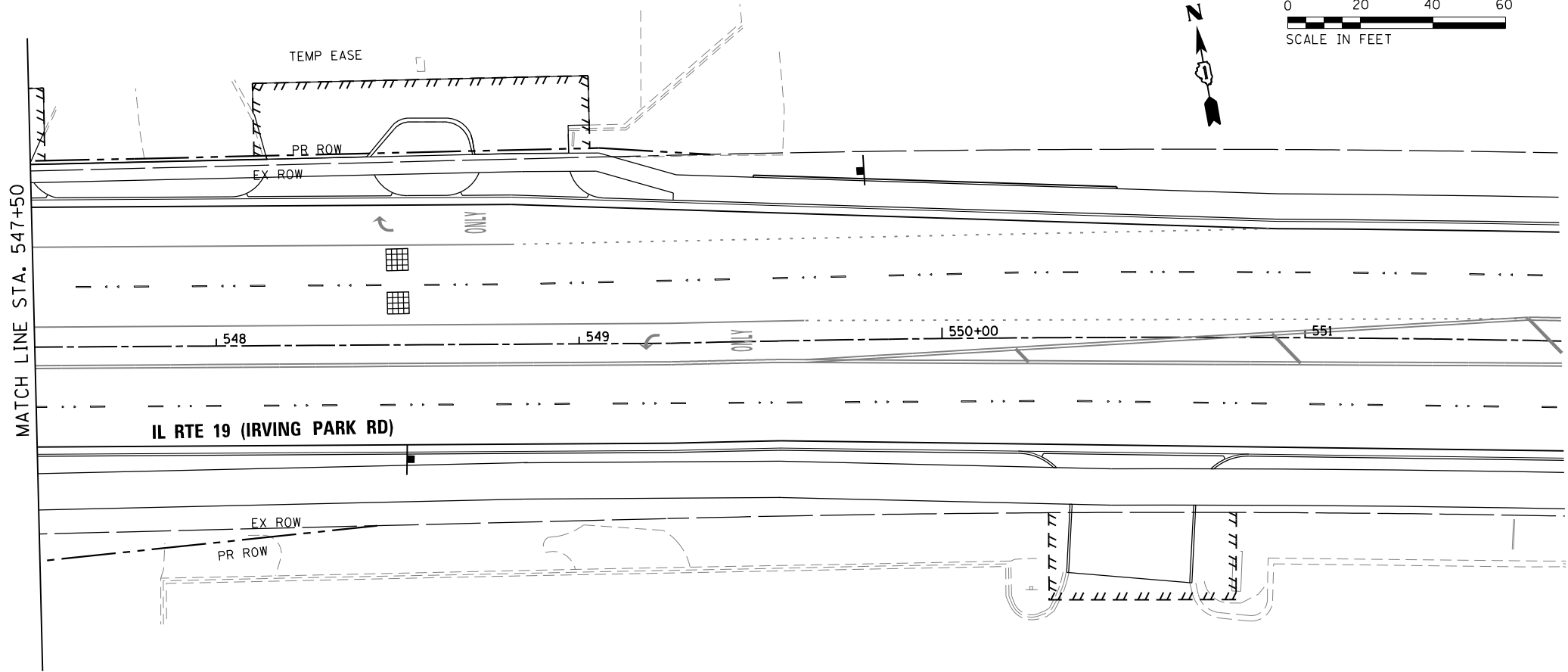
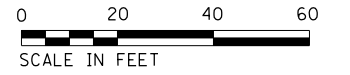
TS 1935
 ECON 158

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- WORK ZONE (PCC PAVEMENT)
- TEMPORARY PAVEMENT
- DETECTION ZONE

CONSTRUCTION NOTES:

1. FINAL DETECTION CAMERA POSITIONS TO BE DETERMINED BY THE CONTRACTOR/VENDOR TO ENSURE CORRECT ZONE COVERAGE, INCLUDING FAR-OUT DETECTION IS WORKING PROPERLY.



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

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smr-151gr/mal-02.dgn
 FILE NAME: 190567-smr-151gr/mal-02.dgn
 PEN TABLE: pcc1tbl.tbl

TS SHT NO. 22

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstencz	DESIGNED - TAY	REVISED -	
	DRAWN - TAY	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 8/18/2021	DATE -	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 FINAL STAGE (SHEET 2 OF 2)
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: 1"=20' SHEET 14 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	85
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

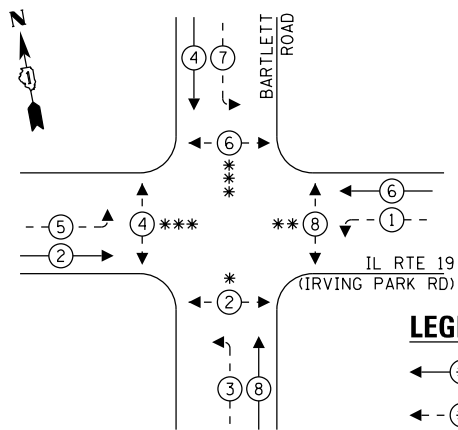
TS 1935
 ECON 158

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNED	
	CHECKED	
	FILED	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTAT THIS CHKD	

TS SHT NO. 23
 HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-19g-cab0.dgn
 FILE NUMBER: 190567-sht-19g-cab0.dgn
 PEN TABLE: pcc/teb/td

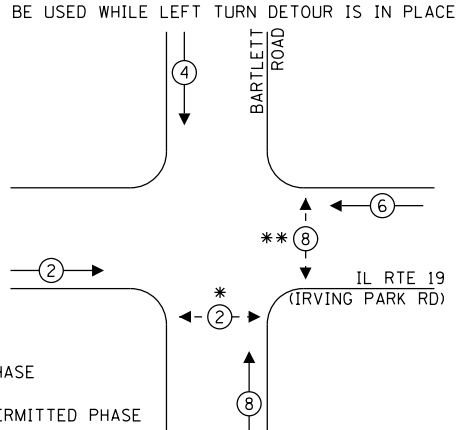
**PROPOSED CONTROLLER SEQUENCE –
PRESTAGE, STAGE 1, STAGE 3, FINAL STAGE**



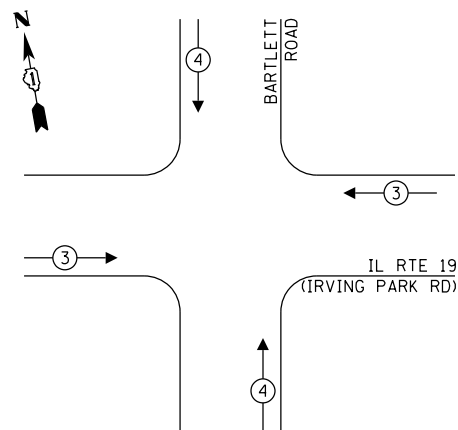
LEGEND:

- ← ⊙ ← PROTECTED PHASE
 - ← ⊙ ← PROTECTED/PERMITTED PHASE
 - ← ⊙ → PEDESTRIAN PHASE
 - ← ⊙ OL OVERLAP
- * PRESTAGE, STAGE 1, 2B, 3, AND FINAL STAGE ONLY
 ** PRESTAGE, STAGE 2B, 3, AND FINAL STAGE ONLY
 *** STAGE 3 AND FINAL STAGE ONLY

**PROPOSED CONTROLLER SEQUENCE –
STAGE 2, STAGE 2A, STAGE 2B**
TO BE USED WHILE LEFT TURN DETOUR IS IN PLACE



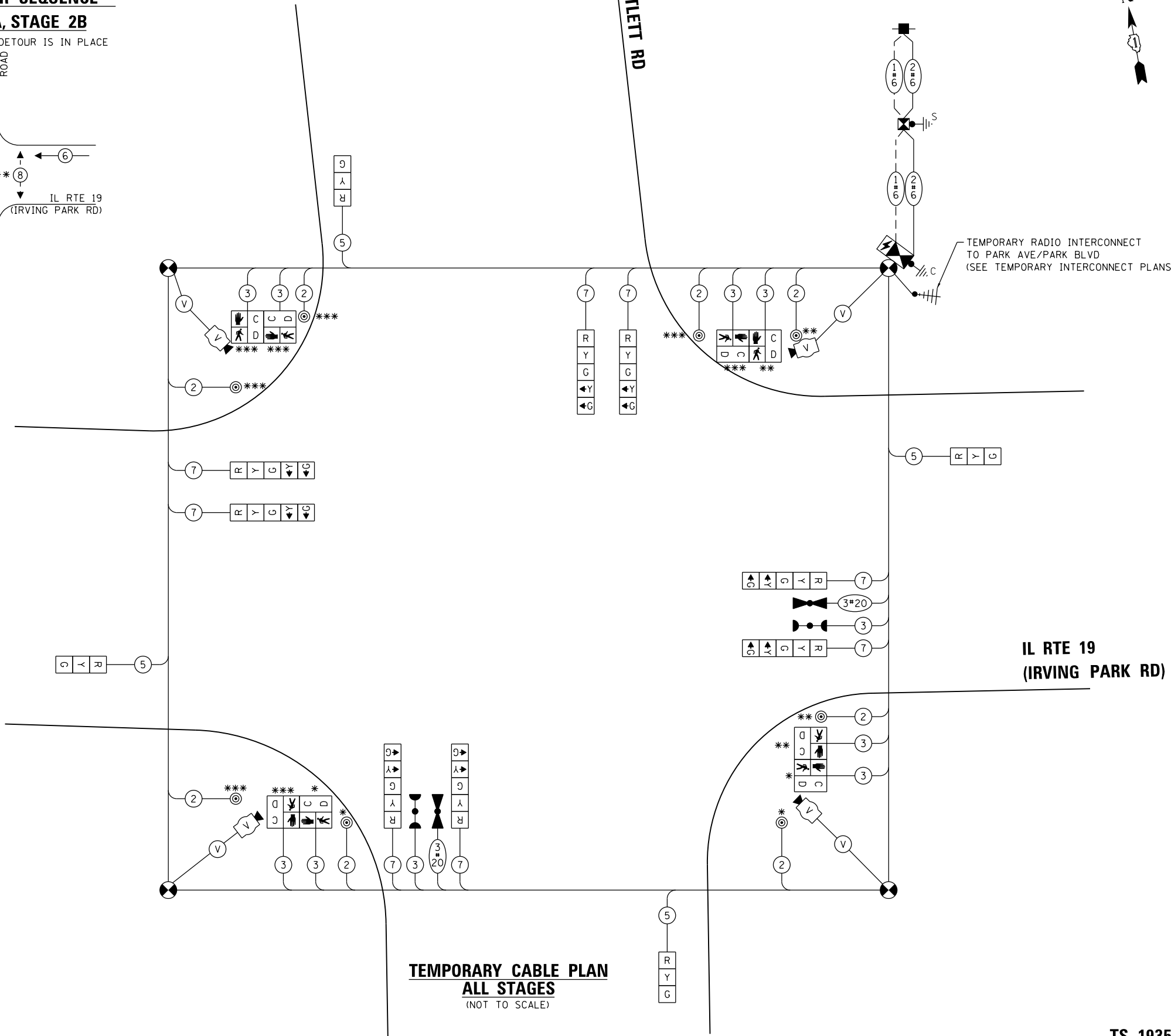
**PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				593.8

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: (630) 424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

- * TO BE BAGGED AND PHASE DISCONNECTED IN STAGE 2 AND 2A
- ** TO BE BAGGED AND PHASE DISCONNECTED IN STAGE 1, 2, AND 2A
- *** TO BE BAGGED AND PHASE DISCONNECTED IN PRESTAGE, STAGE 1, 2, 2A, AND 2B



**TEMPORARY CABLE PLAN
ALL STAGES**
(NOT TO SCALE)

TEMPORARY RADIO INTERCONNECT
TO PARK AVE/PARK BLVD
(SEE TEMPORARY INTERCONNECT PLANS)

**IL RTE 19
(IRVING PARK RD)**

**TS 1935
ECON 158**



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

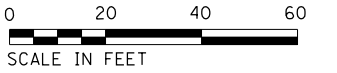
**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: N.T.S. SHEET 15 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	86
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

NOTES:

1. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
2. 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.
3. GROUND MOUNTED SERVICE IS TO BE USED TO POWER BOTH TEMPORARY AND PERMANENT TRAFFIC SIGNALS. SERVICE CONNECTION MUST BE INSTALLED PRIOR TO PROPOSED WORK. LOCATION OF POWER SERVICE CONNECTION SHALL BE COORDINATED WITH UTILITY RELOCATION CONTRACTOR IN THE FIELD.

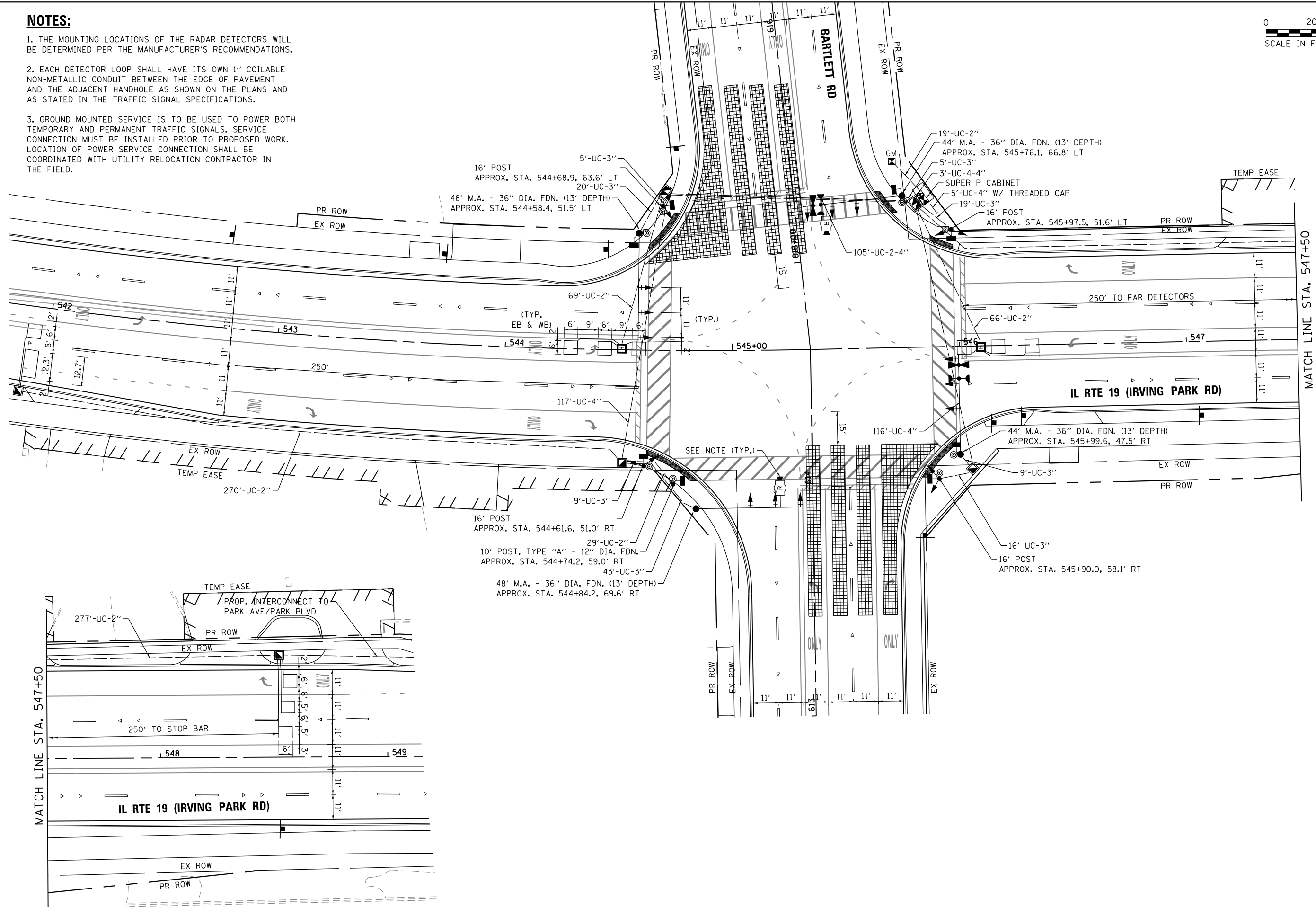


PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNED	
	CHECKED	
	FILED	
	CARD FILE NAME	

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

TS SHT NO. 24

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-sig-01.dgn
 FILE NAME: 190567.dwg
 PEN TABLE: p01tbl.tbl



USER NAME = dstencz	DESIGNED - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - TAY	REVISED -
PLOT DATE = 8/18/2021	CHECKED - TEH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD
 SCALE: 1"=20' SHEET 16 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	87
CONTRACT NO.			61H15	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TS 1935
 ECON 158

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT		
	STRUCTURE		
	NOT AT THIS OFFICE		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT		
	STRUCTURE		
	NOT AT THIS OFFICE		
	FILE NAME		

"THIS SHEET IS INTENTIONALLY LEFT BLANK"

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm+sig-02.dgn
 FILE NAME: 190567-sm+sig-02.dgn
 PEN TABLE: 190567-sm+sig-02.dgn

TS SHT NO. 25



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: 1"=20' SHEET 17 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	88
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.			61H15	

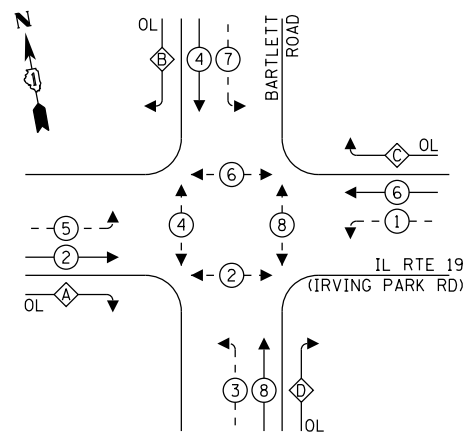
**TS 1935
 ECON 158**

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	ALIGNED	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	
	NOTATRS	
	CHKD	

TS SHT NO. 26
 HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-26-00000.dgn
 FILE NUMBER: 190567-26-00000.dgn
 PEN TABLE: 190567.tbl

PROPOSED CONTROLLER SEQUENCE



LEGEND:

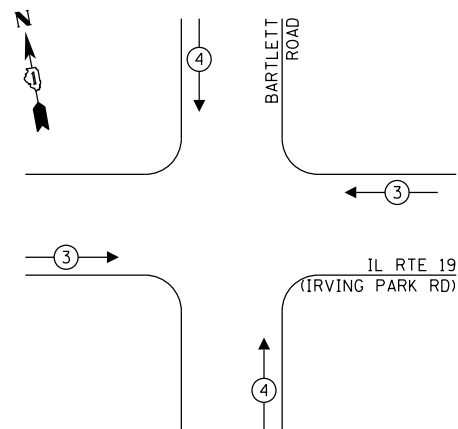
- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — PEDESTRIAN PHASE
- ⊙ — OVERLAP

RIGHT TURN OVERLAP

PHASE DESIGNATION:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



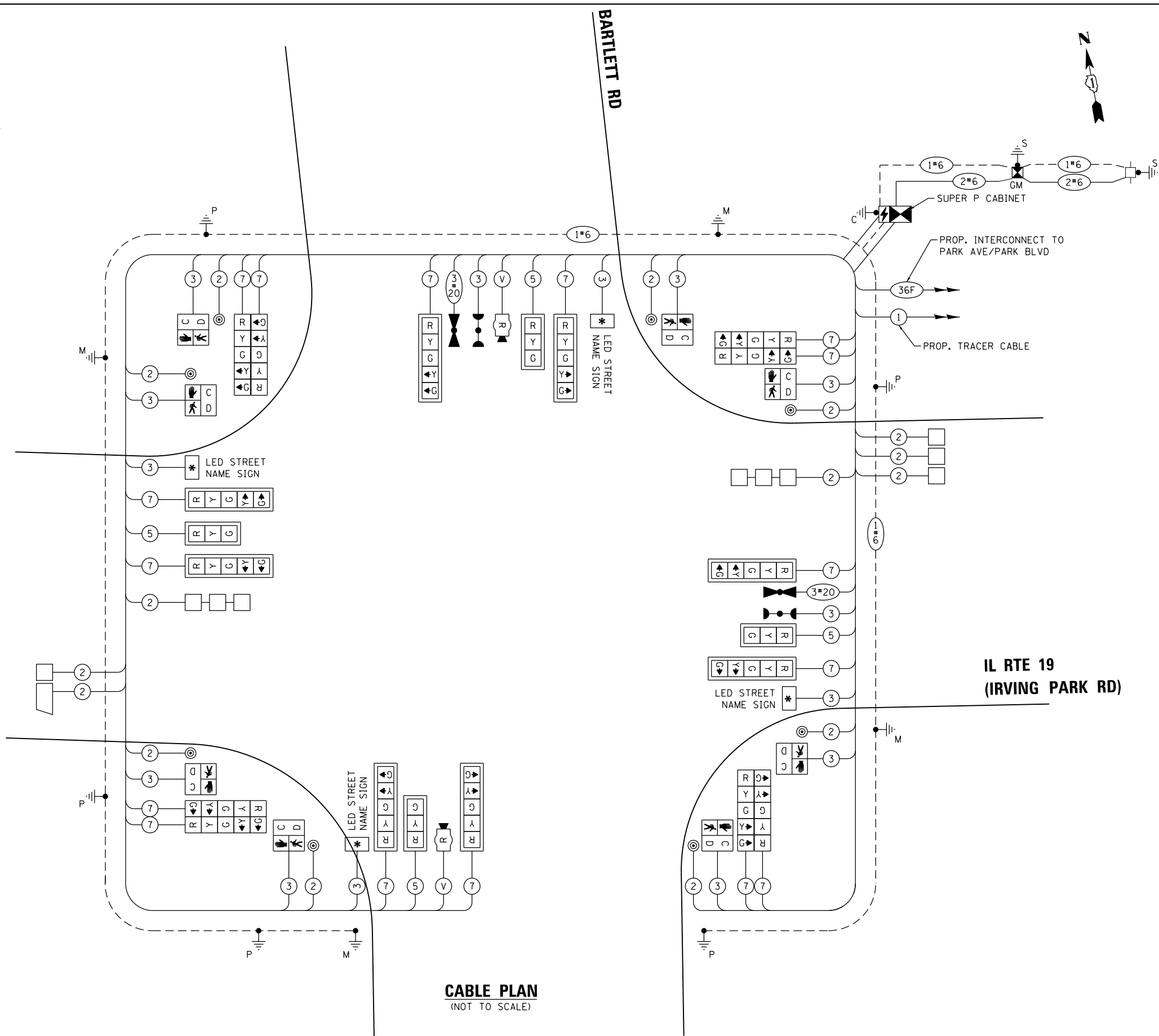
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	32	10	10	32.0
PED. SIGNAL	8	20	100	160.0
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 =				555.0

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: (630) 424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	89
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15



USER NAME = jhorwit	DESIGNED - TAY	REVISED - 9/17/2021
PLOT SCALE = 48.0000' / in.	DRAWN - TAY	REVISED -
PLOT DATE = 9/17/2021	CHECKED - TEH	REVISED -
	DATE -	REVISED -

SCALE: N.T.S. SHEET 18 OF 23 SHEETS STA. TO STA.

**TS 1935
 ECON 158**

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

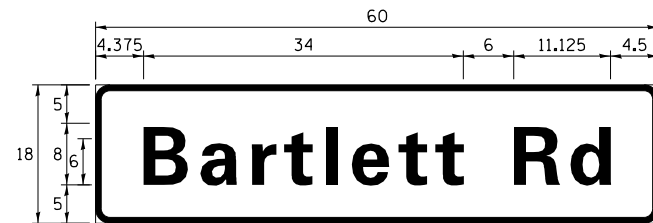
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	CHECKED	
	BY	
	FILE NAME	
	NO. / DATE	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-19-00002.dgn
 FILE NAME: 190567-sht-19-00002.dgn
 PEN TABLE: 190567-sht-19-00002.dgn
TS SHT NO. 27

LED INTERNALLY ILLUMINATED STREET NAME SIGNS

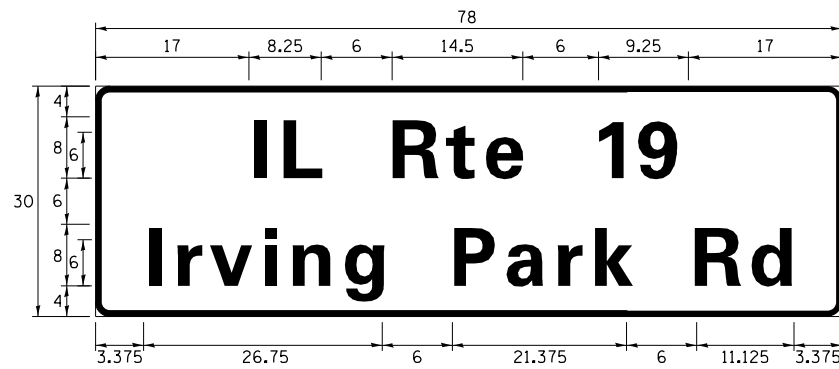
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

MA-1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

MA-2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	16.25	2	ZZ	2

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

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	730.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	126.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	460.0
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,352.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,717.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	885.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,164.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,307.0
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	60.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	783.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	20.0
CONCRETE FOUNDATION, TYPE C	FOOT	4.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	385
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	301.5
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	844.5
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4



USER NAME = jhorwit	DESIGNED - TAY	REVISED - 9/17/2021
	DRAWN - TAY	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: N.T.S. SHEET 19 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	90
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

**TS 1935
ECON 158**

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	FILE NAME		
	TABLE		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	FILE NAME		
	TABLE		

TS SHT NO. 28

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sht-19g-1m.dgn
 FILE NAME: 190567-sht-19g-1m.dgn
 PEN TABLE:



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

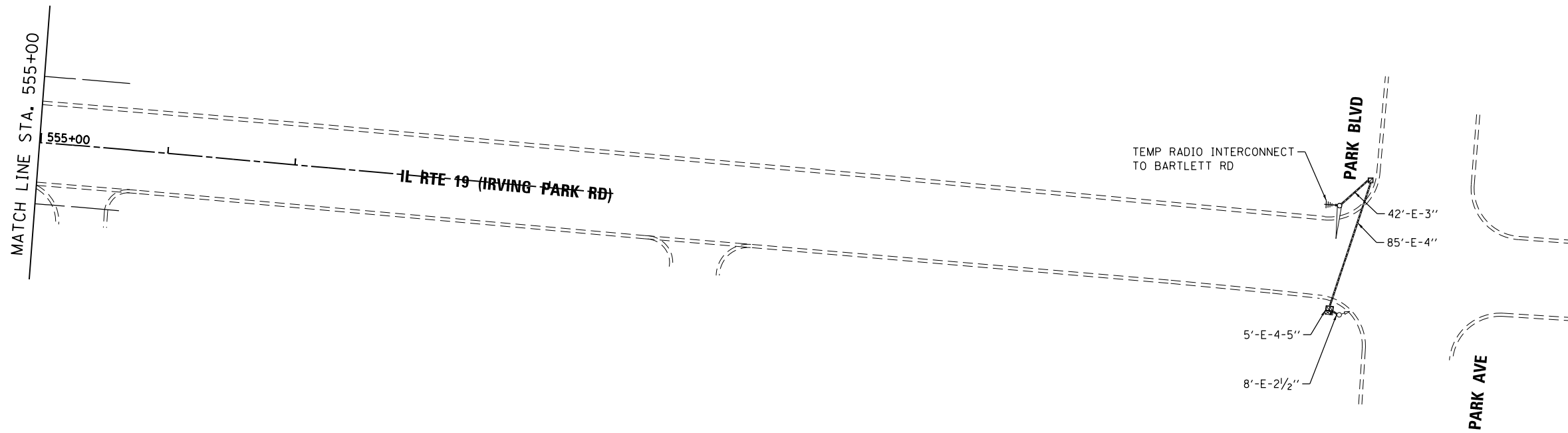
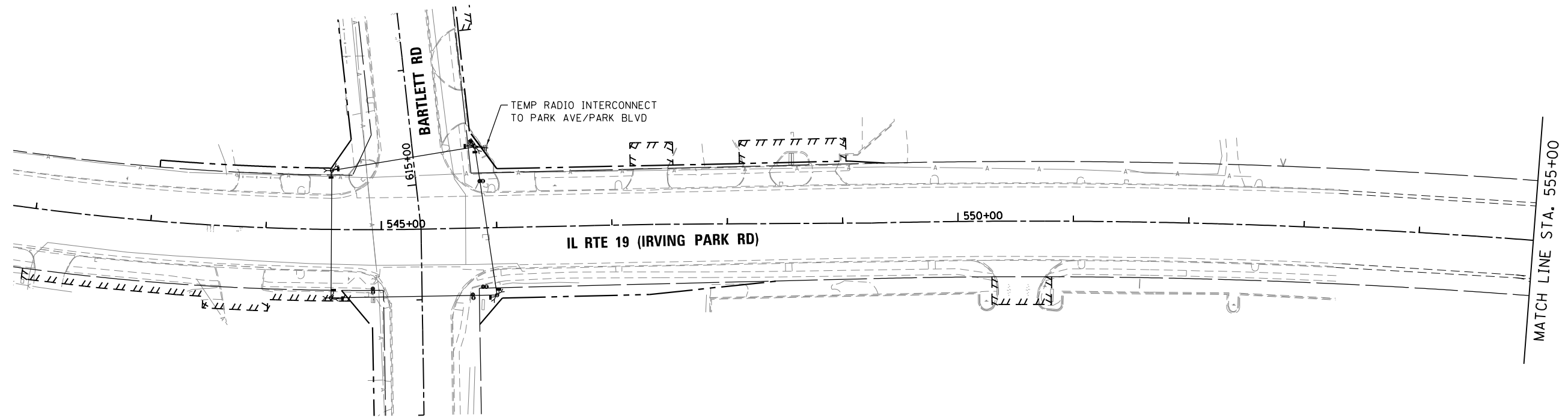
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
 IL RTE 19 (IRVING PARK RD) -
 BARTLETT RD TO PARK AVE/PARK BLVD

SCALE: 1"=50' SHEET 20 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	91
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

ECON 158



PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	ALIGNMENT CHECKED	
	AS-BUILT CHECKED	
	FIELD FILE NAME	

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

TS SHT NO. 29

HRG PROJECT NO.: 190567
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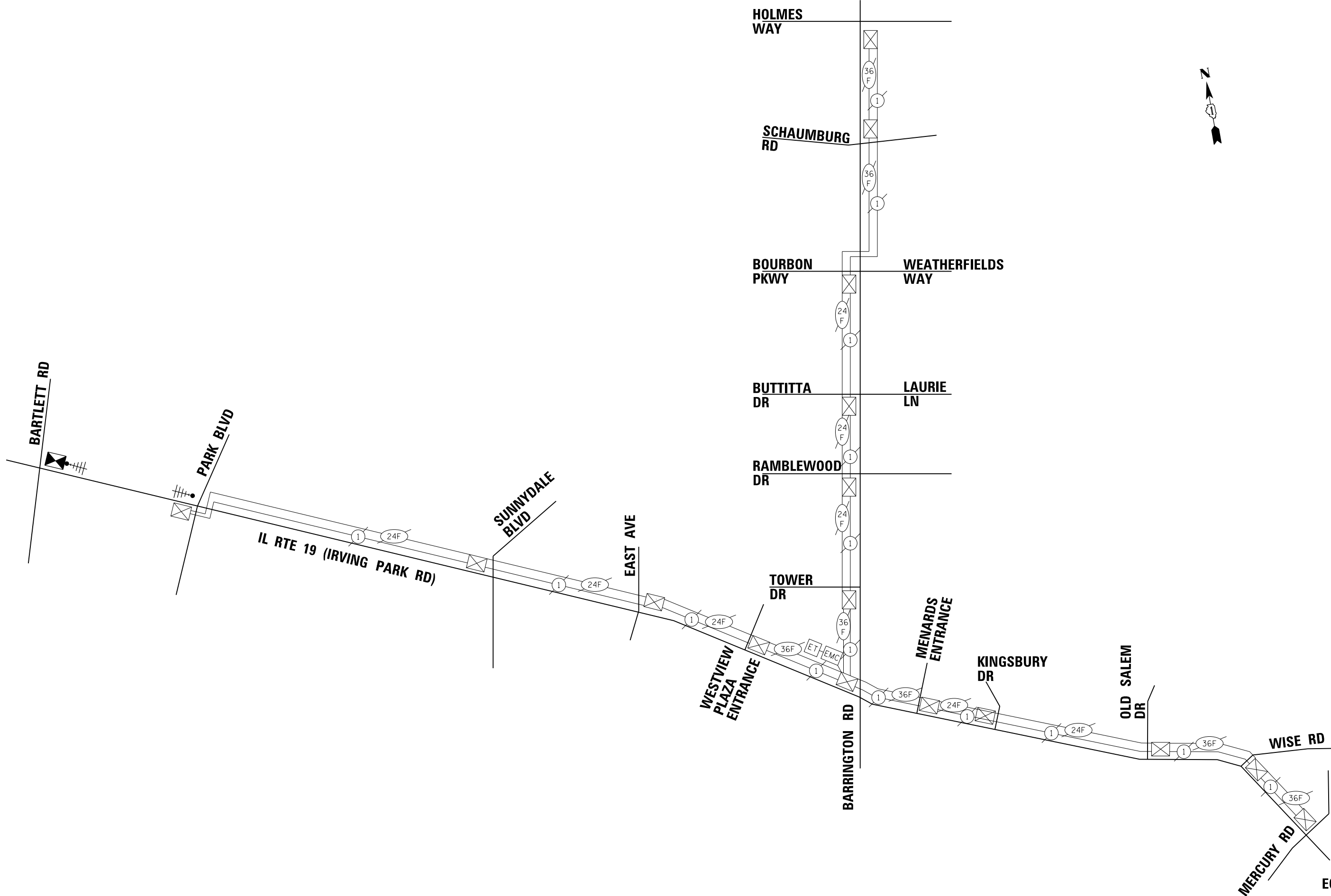
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PLOT DATE = 8/18/2021	CHECKED - TEH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
 IL RTE 19 (IRVING PARK RD) -
 BARTLETT RD TO PARK AVE/PARK BLVD

SCALE: N.T.S. SHEET 21 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	92
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15



ECON 158

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

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

TS SHT NO. 30

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm+sig-hm.dgn
 FILE NAME: 190567-sm+sig-hm.dgn
 PEN TABLE: p01tbl.tbl



USER NAME =	dstencz
DESIGNED -	TAY
DRAWN -	TAY
CHECKED -	TEH
PLOT DATE =	8/18/2021

DESIGNED -	TAY	REVISED -	
DRAWN -	TAY	REVISED -	
CHECKED -	TEH	REVISED -	
DATE -		REVISED -	

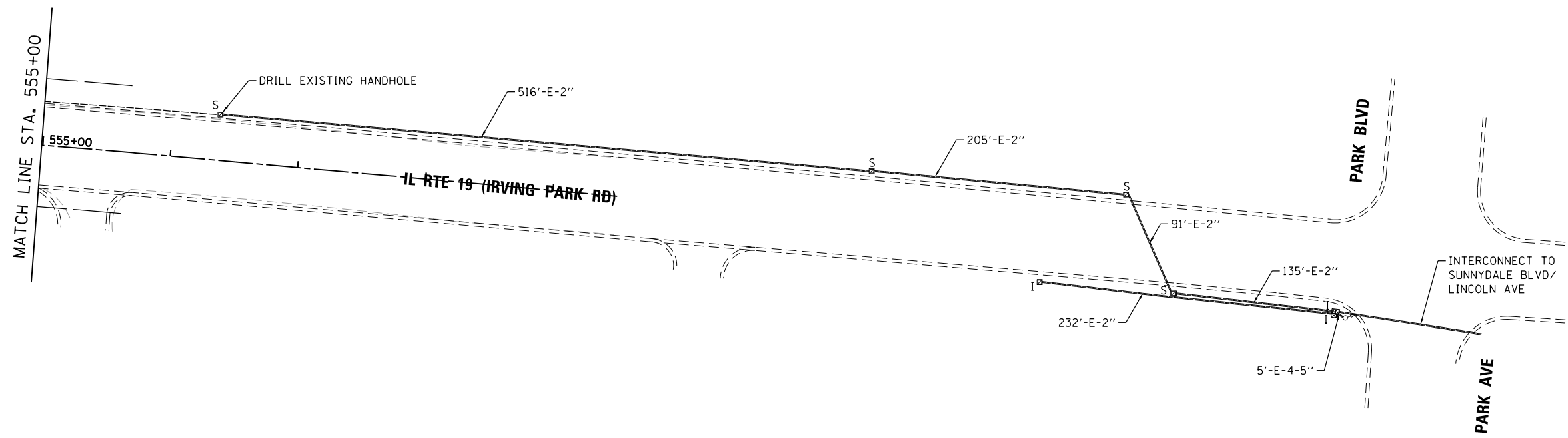
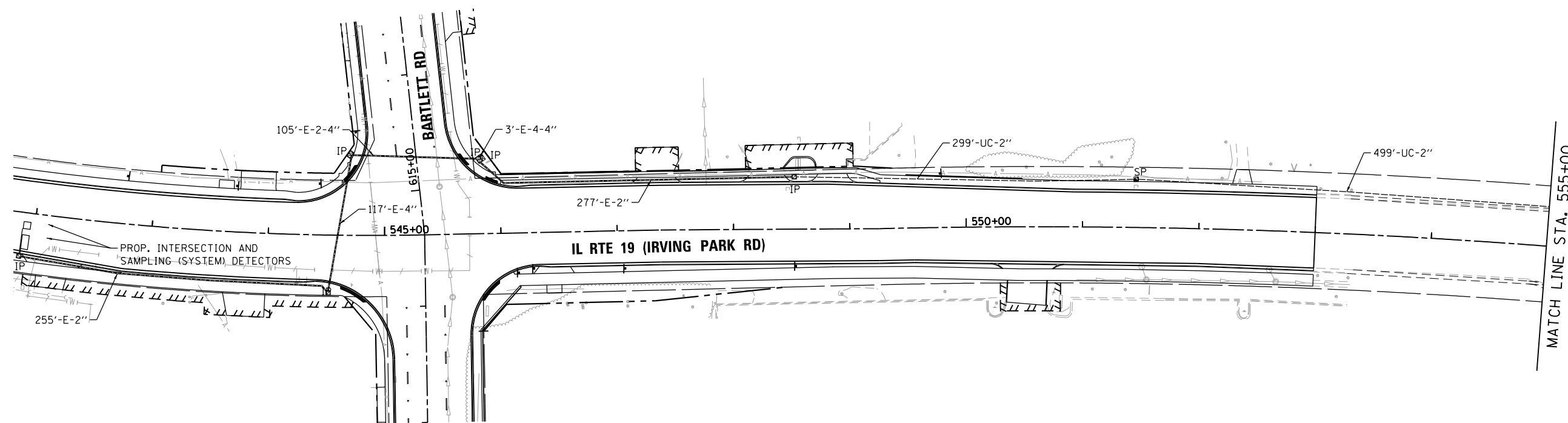
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
 IL RTE 19 (IRVING PARK RD) -
 BARTLETT RD TO PARK AVE/PARK BLVD

SCALE: 1"=50' SHEET 22 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	93
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

ECON 158

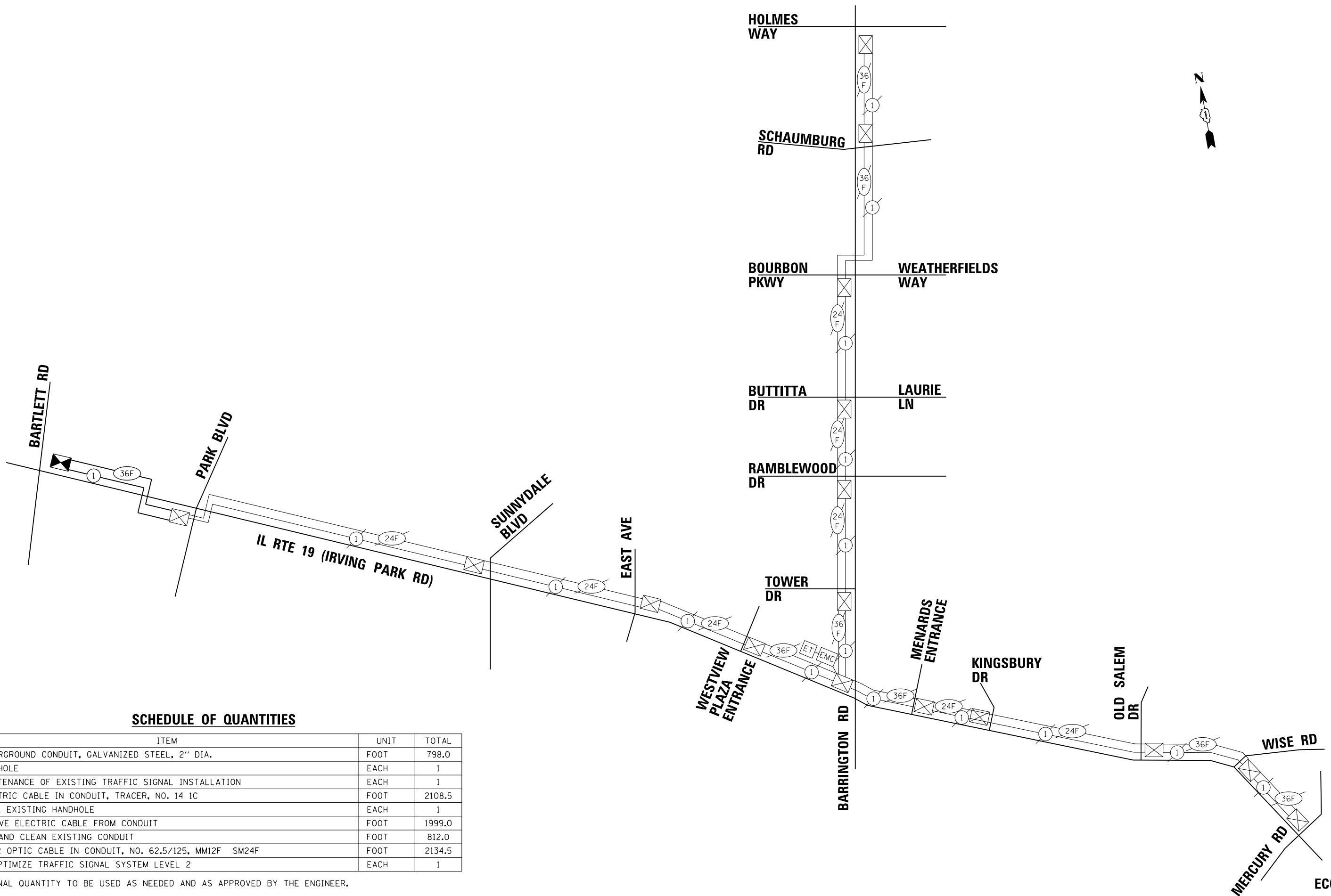


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	PLOTTED	
	NOTED	
	CHECKED	
	APPROVED	
	FILE NAME	
	FILE NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	APPROVED	
	FILE NAME	
	FILE NO.	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smt-sig-itr-schem.dgn
 FILE NUMBER: 190567-smt-sig-itr-schem.dgn
 PEN TABLE: 190567-smt-sig-itr-schem.dgn

TS SHT NO. 31



SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	798.0
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2108.5
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1999.0
• ROD AND CLEAN EXISTING CONDUIT	FOOT	812.0
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2134.5
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

• NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER.



USER NAME = dstencz	DESIGNED - TAY	REVISED -
	DRAWN - TAY	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED - TEH	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
 IL RTE 19 (IRVING PARK RD) -
 BARTLETT RD TO PARK AVE/PARK BLVD

SCALE: N.T.S. SHEET 23 OF 23 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	94
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

ECON 158










GENERAL NOTES

- THIS PROJECT INCLUDES THE INSTALLATION OF A NEW LIGHTING SYSTEM ALONG IRVING PARK ROAD FROM EAST OF WINCHESTER DRIVE THROUGH THE INTERSECTION OF BARTLETT RD. THE PROPOSED LIGHTING SHALL BE OWNED AND MAINTAINED BY THE VILLAGE OF STREAMWOOD.
- THE QUANTITIES OF RACEWAYS WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING WORK.
- TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
- LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND VILLAGE OF STREAMWOOD COCDES.
- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	457
UNIT DUCT, 600V, 4-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE) , 1 1/2" DIA. POLYETHYLENE	FOOT	1875
UNIT DUCT, 600V, 5-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE) , 2" DIA. POLYETHYLENE	FOOT	967
AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE	FOOT	1770
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	220
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	22
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	15
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	18
REMOVAL OF POLE FOUNDATION	EACH	18
LUMINAIRE, LED, SPECIAL	EACH	26
LIGHT POLE, SPECIAL	EACH	22
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	17
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	13
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH TWO 15FT MAST ARMS	EACH	2
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	20
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12

LEGEND

-  PROPOSED DUAL VILLAGE OF STREAMWOOD LIGHTING UNIT, WITH 35 FT. MH, 4 FT. MAST ARMS, 120V (LINE TO NEUTRAL, LED LUMINAIRES)
-  PROPOSED VILLAGE OF STREAMWOOD LIGHTING UNIT 35 FT. M.H., 4 FT. MAST ARM, 120V (LINE TO NEUTRAL, LED LUMINAIRE)
-  EXISTING LIGHTING UNIT TO BE REMAIN
-  EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
-  TEMPORARY DUAL LIGHTING UNIT, WITH 50 FT. MH, 15 FT MAST ARM, LED LUMINAIRES
-  TEMPORARY LIGHTING UNIT, WITH 50 FT. MH, 15 FT. MAST ARM, LED LUMINAIRE
-  UNIT DUCT, 600V, 5-1/C NO. 2, 1/C NO. 4 GROUND (XLP-TYPE USE) 2" DIA. POLYETHYLENE OR UNIT DUCT, 600V, 4-1/C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE) 1 1/2" DIA. POLYETHYLENE AS INDICATED
-  UNDERGROUND CONDUIT, GALVANIZED STEEL
-  A/C AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE

PLAN	DATE
SURVEYED	BY
PLOTTED	
CHECKED	
ALIGNED	
FILED	
NO.	

PROFILE	DATE
SURVEYED	BY
PLOTTED	
CHECKED	
ALIGNED	
FILED	
NO.	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-el-04.dgn
 FILE NAME: 190567-srt-el-04.dgn
 PEN TABLE: 190567-srt-el-04.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = dstencz	DESIGNED - MH	REVISED -
	DRAWN - RV	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BL	REVISED -
PLOT DATE = 8/18/2021	DATE - 11/14/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, LEGEND AND BILL OF MATERIALS
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

SCALE: N.T.S. SHEET 1 OF 10 SHEETS STA. TO STA.

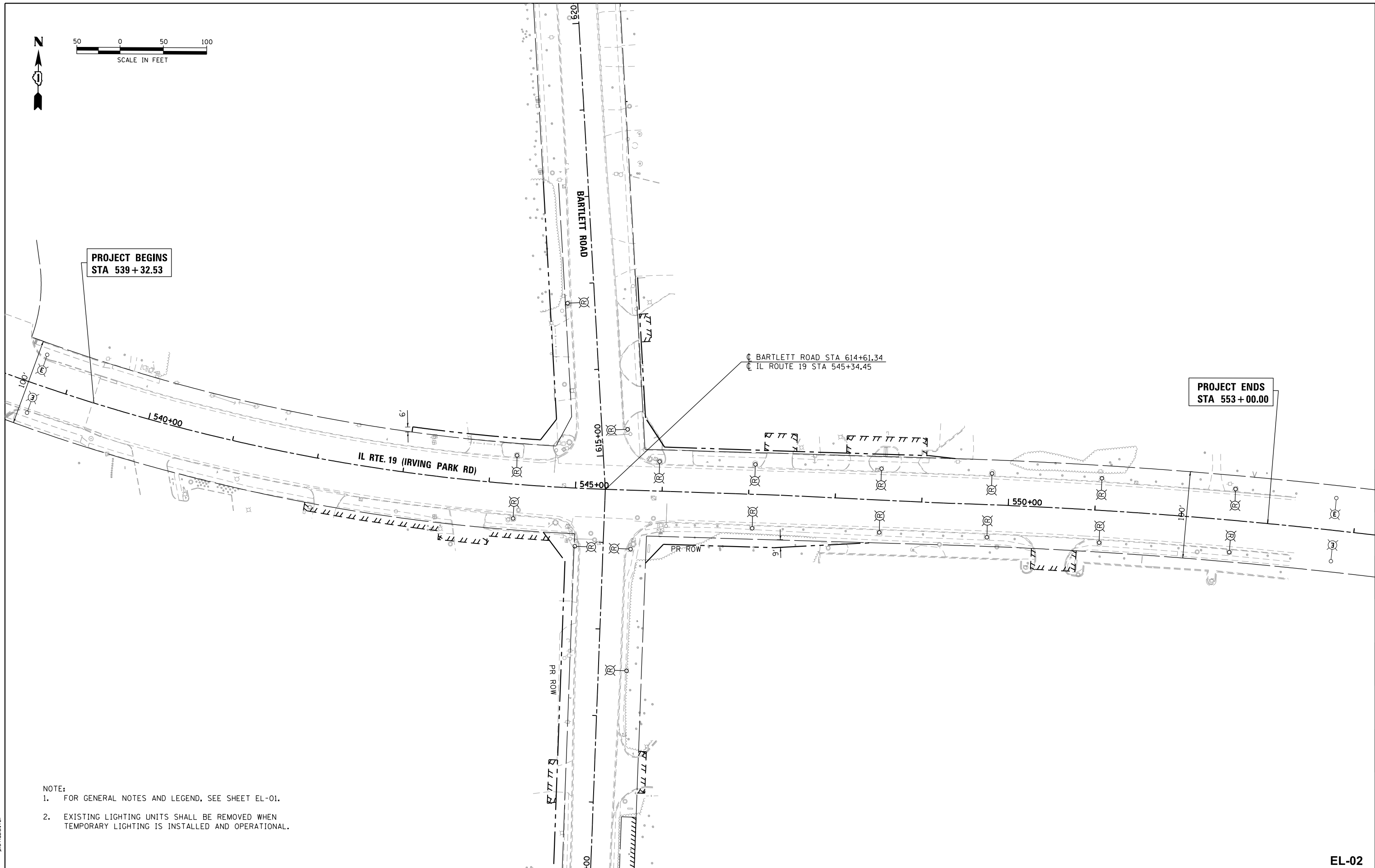
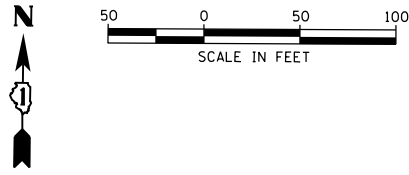
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	95
CONTRACT NO. 61H15				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EL-01

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

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm+el-02.dgn
 FILE NAME: 190567-sm+el-02.dgn
 PEN TABLE: pen.tbl



- NOTE:
- FOR GENERAL NOTES AND LEGEND, SEE SHEET EL-01.
 - EXISTING LIGHTING UNITS SHALL BE REMOVED WHEN TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL.

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = dstencz	DESIGNED - MH	REVISED -
	DRAWN - RV	REVISED -
PLOT SCALE = 100.0078' / in.	CHECKED - BL	REVISED -
PLOT DATE = 8/18/2021	DATE - 11/14/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REMOVAL LIGHTING PLAN
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

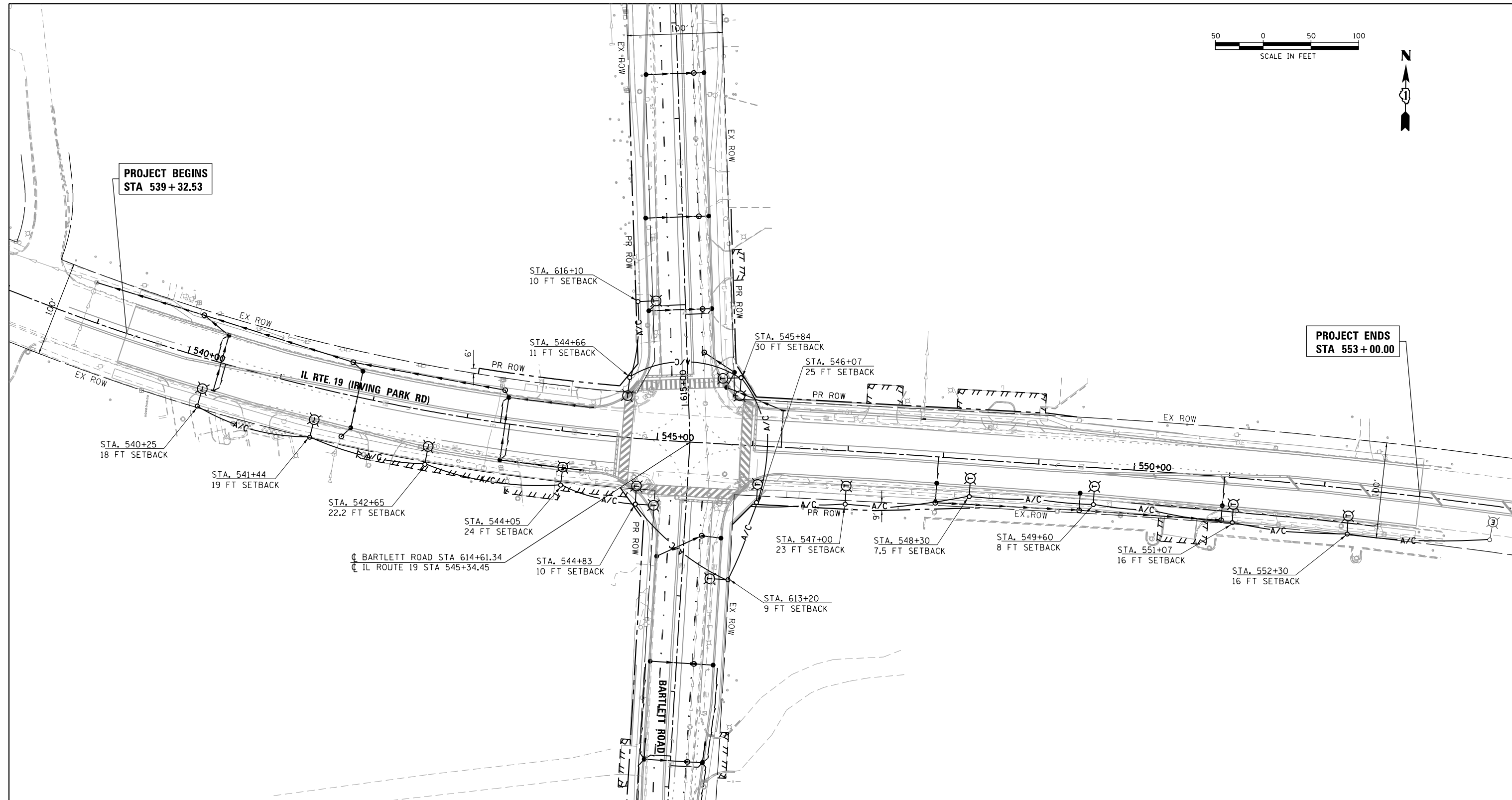
SCALE: 1"=50' SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	96
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

EL-02

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS CHYD	
	NO.	



**PROJECT BEGINS
STA 539 + 32.53**

**PROJECT ENDS
STA 553 + 00.00**

- NOTE:
- FOR GENERAL NOTES AND LEGEND, SEE SHEET EL-01.
 - AERIAL CABLE CLEARANCES SHOULD CONFORM TO NEC ARTICLE 225.18
 - SETBACKS FROM EXISTING EDGE OF PAVEMENT TO CENTER OF POLE
 - TEMPORARY LIGHTING SHALL BE CONNECTED TO THE EXISTING CIRCUIT C-1 IN CONTROLLER "B"

HRG PROJECT NO.: #PROJECT#
 HRG PROJ CONTACT: #PROJ#
 FILE NUMBER: #FILE#
 PEN TABLE: #PEN#

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = #USER#	DESIGNED - MH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - RV	REVISED -
PLOT DATE = #DATE#	CHECKED - BL	REVISED -
	DATE - 11/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING PLAN
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

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

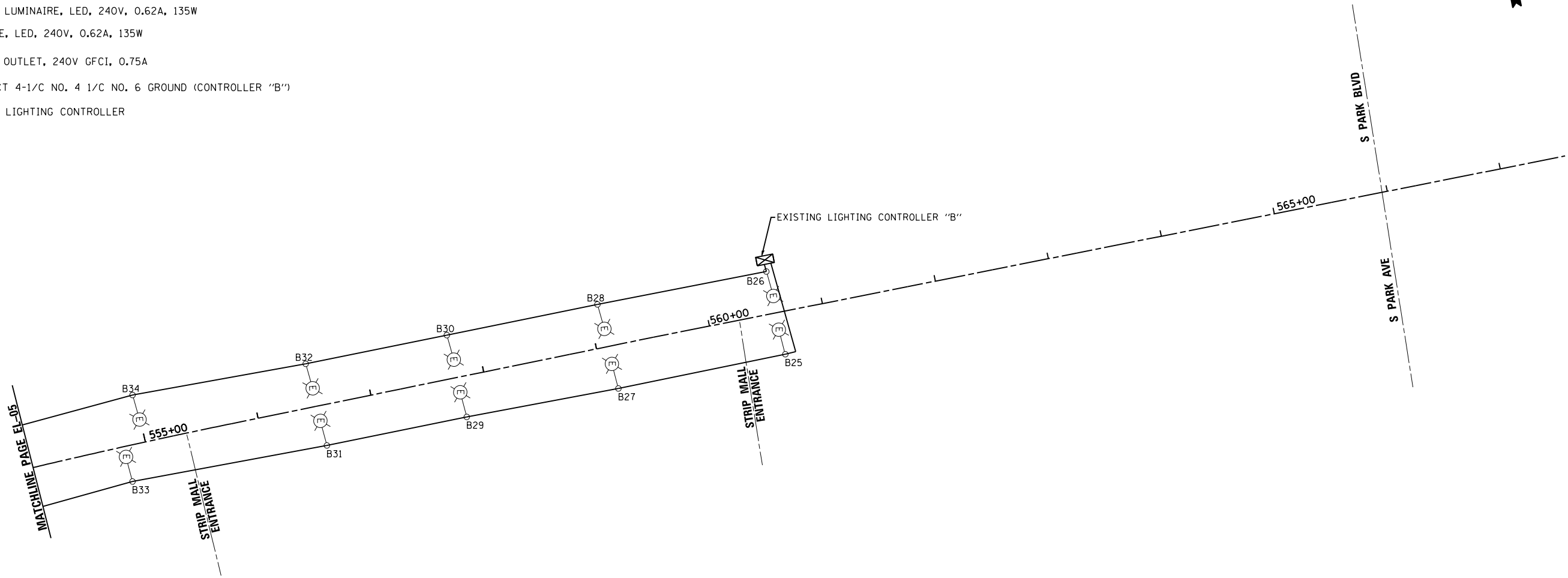
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	97
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

EL-03



LEGEND:

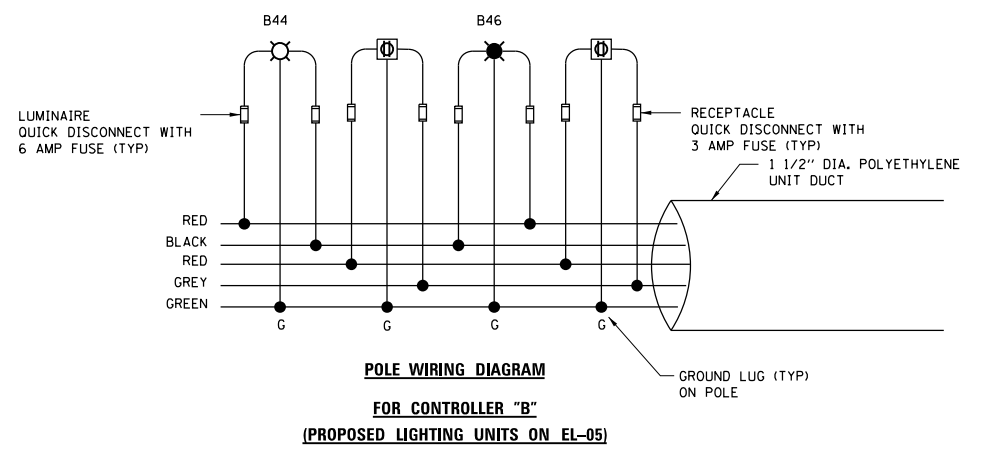
- EXISTING LUMINAIRE, LED, 240V, 0.62A, 135W
- LUMINAIRE, LED, 240V, 0.62A, 135W
- FESTOON OUTLET, 240V GFCI, 0.75A
- UNIT DUCT 4-1/C NO. 4 1/C NO. 6 GROUND (CONTROLLER "B")
- EXISTING LIGHTING CONTROLLER



LOAD TABLE EXISTING LIGHTING CONTROLLER "B"

120/240V AC, 1Ø, 200 AMP WITH 6-2P-30A BKRS.

CIRCUIT	AMPS	WATTAGE	
A-1	13.98	2715	W/LED LUMINARIES
B-1	19.6	3500	
C-1	15.38	2965	W/LED LUMINARIES
D-1	19.6	3500	



NOTES:

- PROPOSED LIGHTING UNITS CONNECTED TO EXISTING LIGHTING CONTROLLER "B" SHALL BE PHASE TO PHASE (LUMINAIRE'S AND RECEPTACLES)

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

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm+el-05a.dgn
 FILE NUMBER: 190567-sm+el-05a.dgn
 PEN TABLE: 190567-sm+el-05a.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

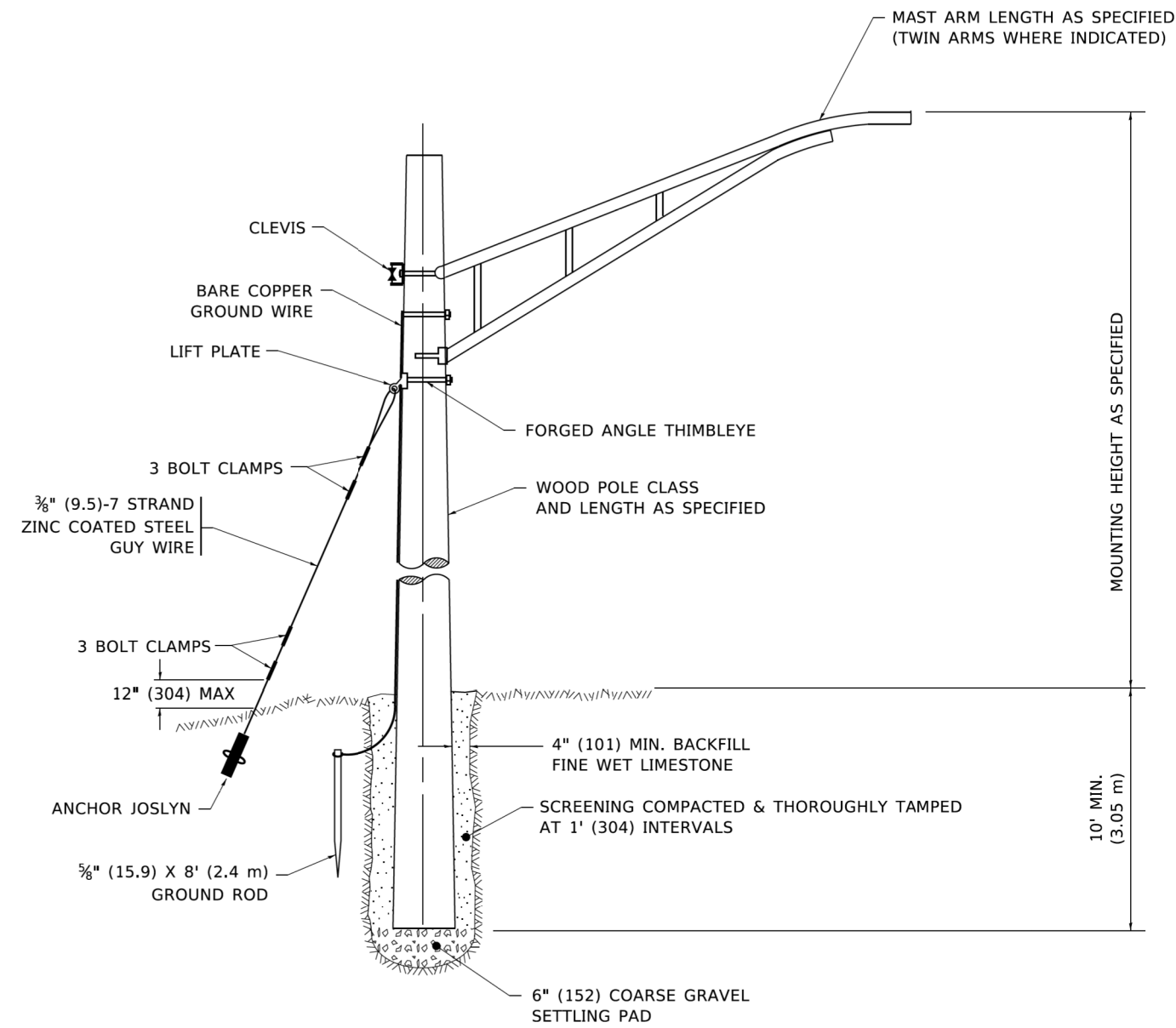
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	DRAWN - RV	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BL	REVISED -
PLOT DATE = 8/18/2021	DATE - 11/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SINGLE LINE WIRING DIAGRAM IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
			148	100
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

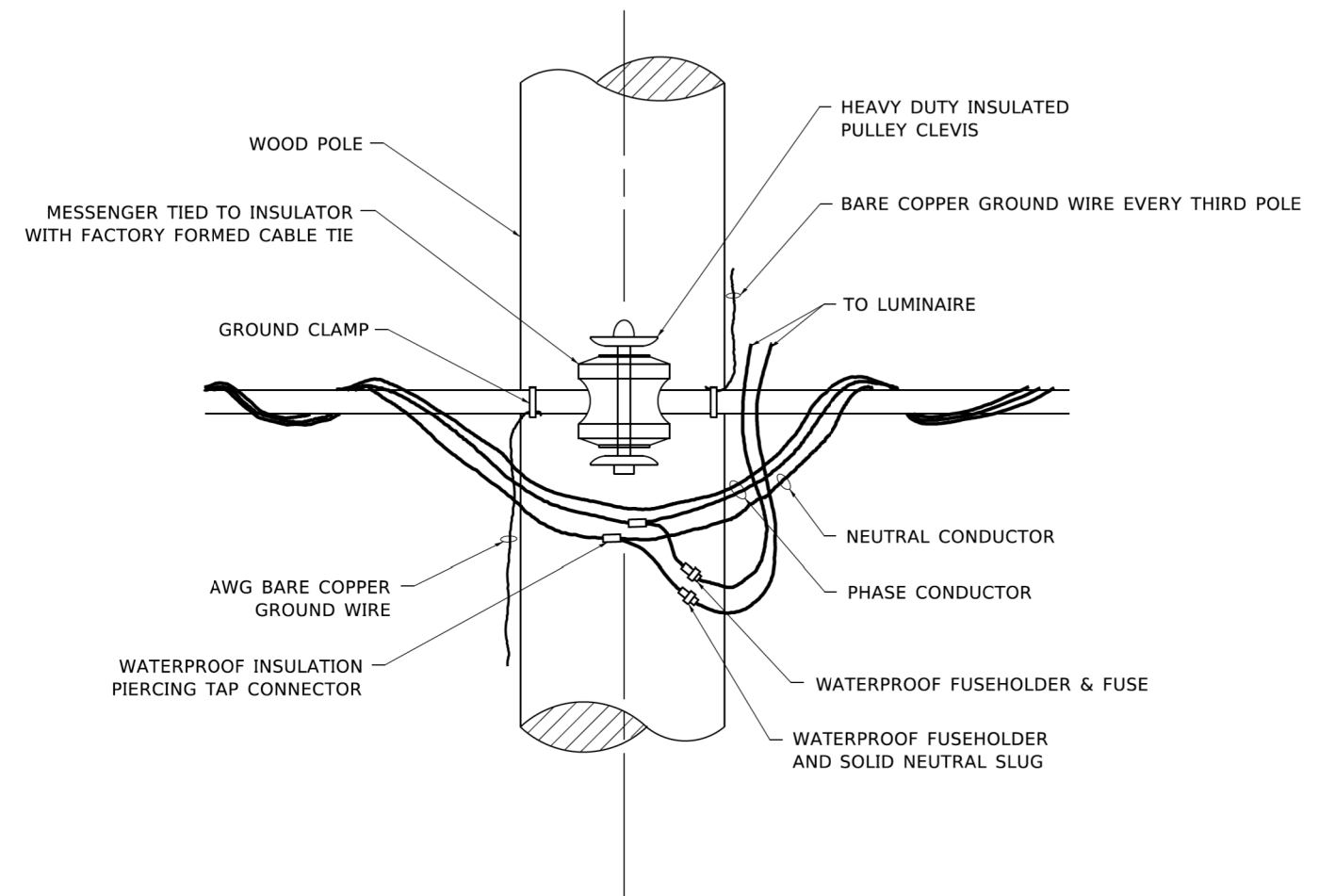
EL-06



TEMPORARY LIGHT POLE DETAIL

NOTE:

- 1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
- 2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

MODEL: Default FILE: \\ames-prod\planroom\del... \Illinois.gov\PIW\DOT\Documents\DOT_Offices\District_1\Projects\1515\22-2-11\CADD\2011\CAD\sheet\be800.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
8330 Belmont Road, Suite 4b
Downers Grove, IL 60515

USER NAME = footemj
DESIGNED -
DRAWN -
PLOT SCALE = 50,0010' / ft.
PLOT DATE = 4/19/2019

DESIGNED - 08-08-03
REVISOR - R.T. 07-26-16
CHECKED -
DATE -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

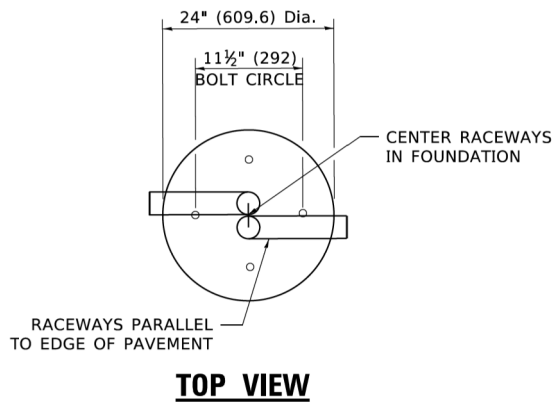
TEMPORARY LIGHT POLE DETAILS
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	101
BE-800			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				

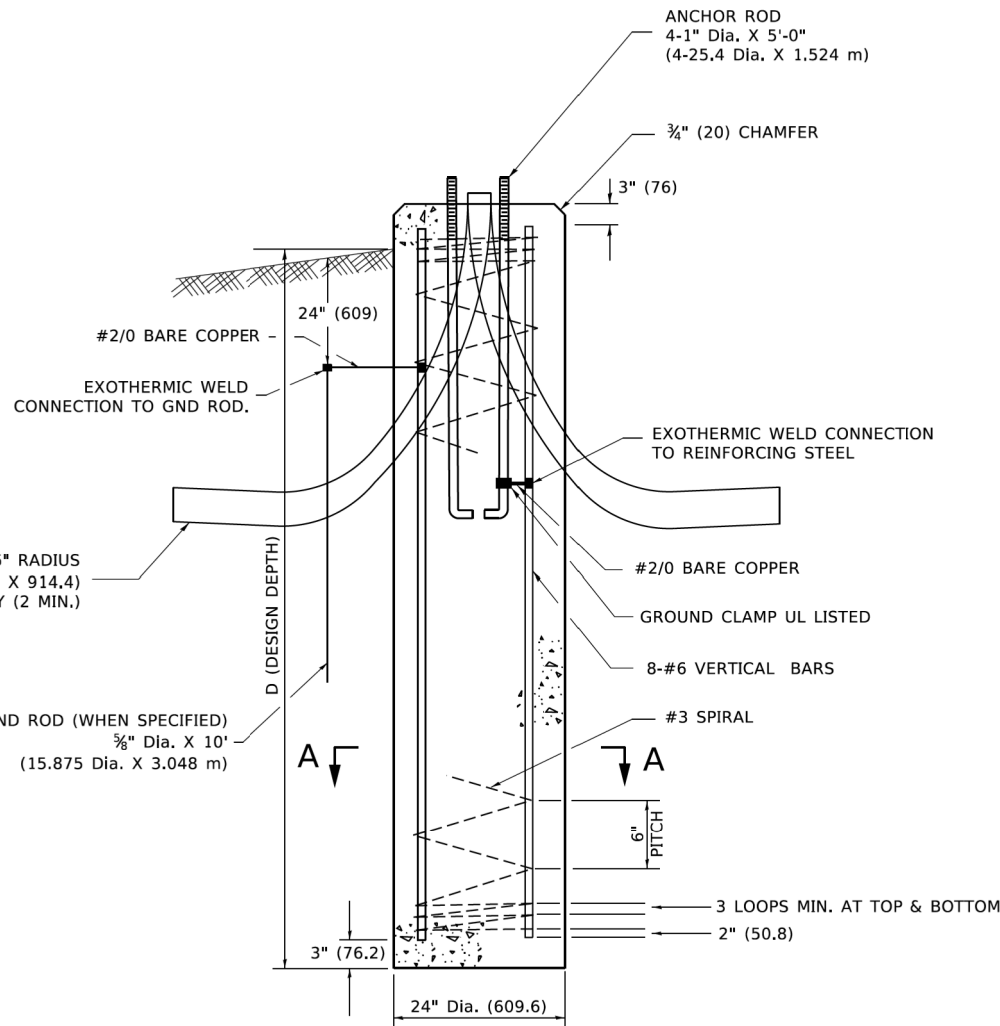
EL-07

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

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



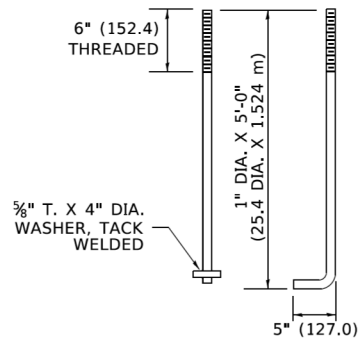
TOP VIEW



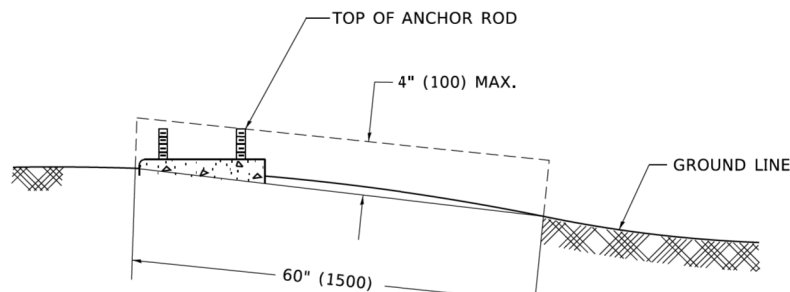
FOUNDATION DETAIL

NOTES

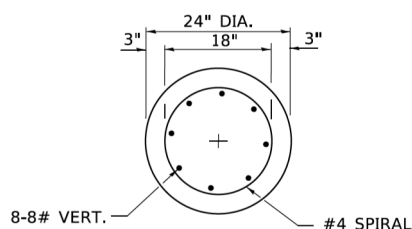
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

MODEL: Default FILE: \\ames.com\proj\plm\com\dot... 4/19/2019 2:16:45 PM User:footem

AMES Engineering, Inc.
CONSULTING ENGINEERS
8330 Belmont Road, Suite 4b
Downers Grove, IL 60515

USER NAME = footem
DESIGNED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	102
BE-300			CONTRACTOR	
ILLINOIS		FED. AID PROJECT		

EL-08

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from Q-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

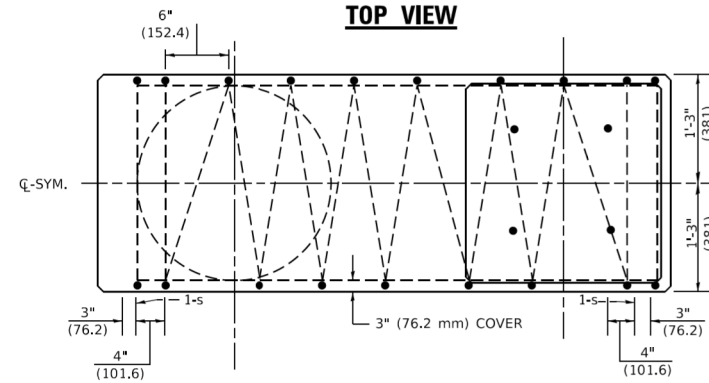
BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s1	3	3	7'-6" (2.286 m)	□
v1	8	6	2'-9" (0.838 m)	—
v2				

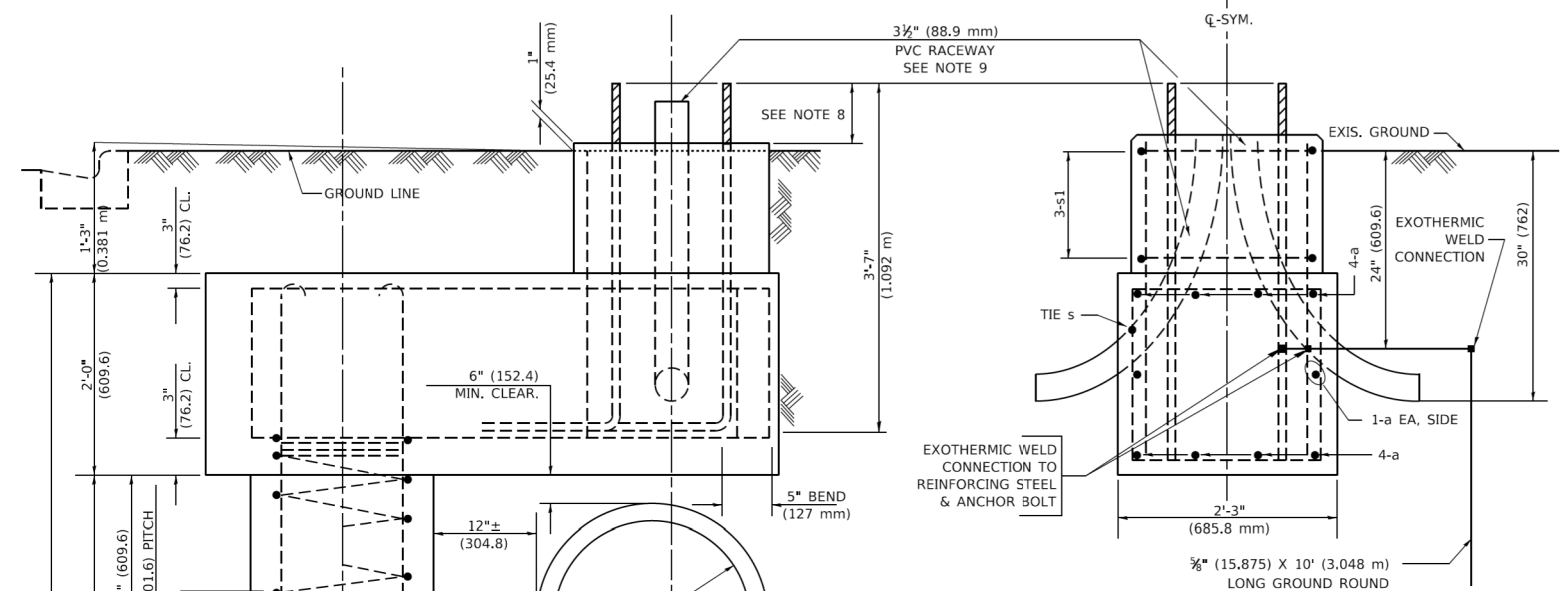
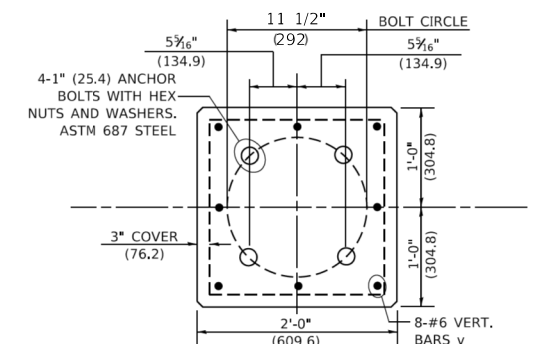
NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

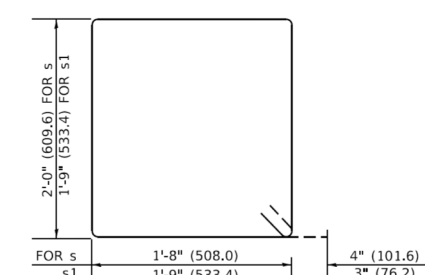
PLAN-CAP BEAM TOP VIEW



TOP VIEW



END VIEW



BARS s, s1

MODEL: Default FILE: \\ames-prod\pwwork\Documents\DOT_Offices\Bldg1.ctb 1:Project\DOT\Documents\DOT_Offices\Bldg1.ctb 1:10.dwg

<p>AMES Engineering, Inc. CONSULTING ENGINEERS 8330 Belmont Road, Suite 4b Downers Grove, IL 60515</p>	USER NAME = footemj	DESIGNED -	REVISED - R.TOMSONS 6-16-08
	PLOT SCALE = 50.0000' / 1"	DRAWN -	REVISED -
	PLOT DATE = 4/19/2019	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

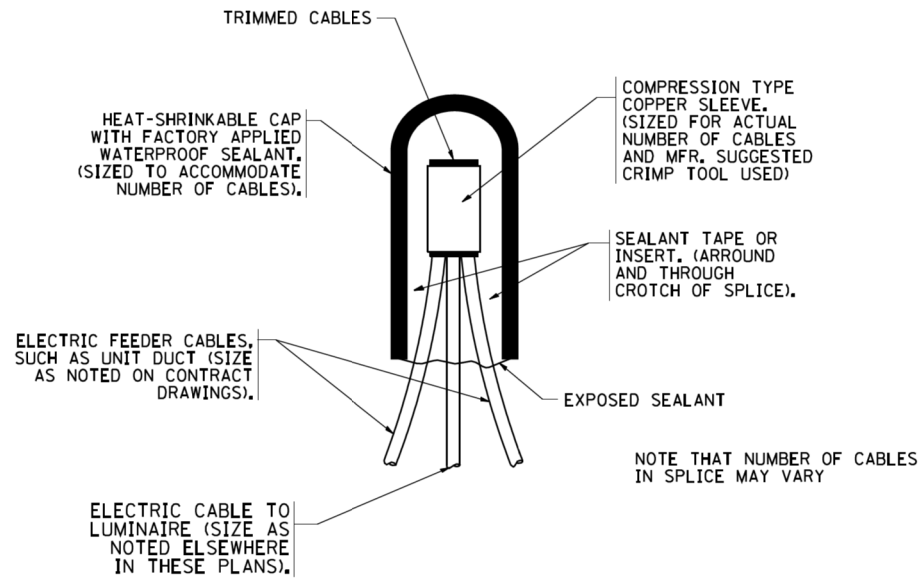
LIGHT POLE FOUNDATION OFFSET			
40' (12.192m) TO 47 1/2' (14.478m) M.H., 15" (381mm) BOLT CIRCLE			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE. 1321	SECTION 10-00055-01-WR	COUNTY COOK	TOTAL SHEETS 148	SHEET NO. 103
BE310		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				

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

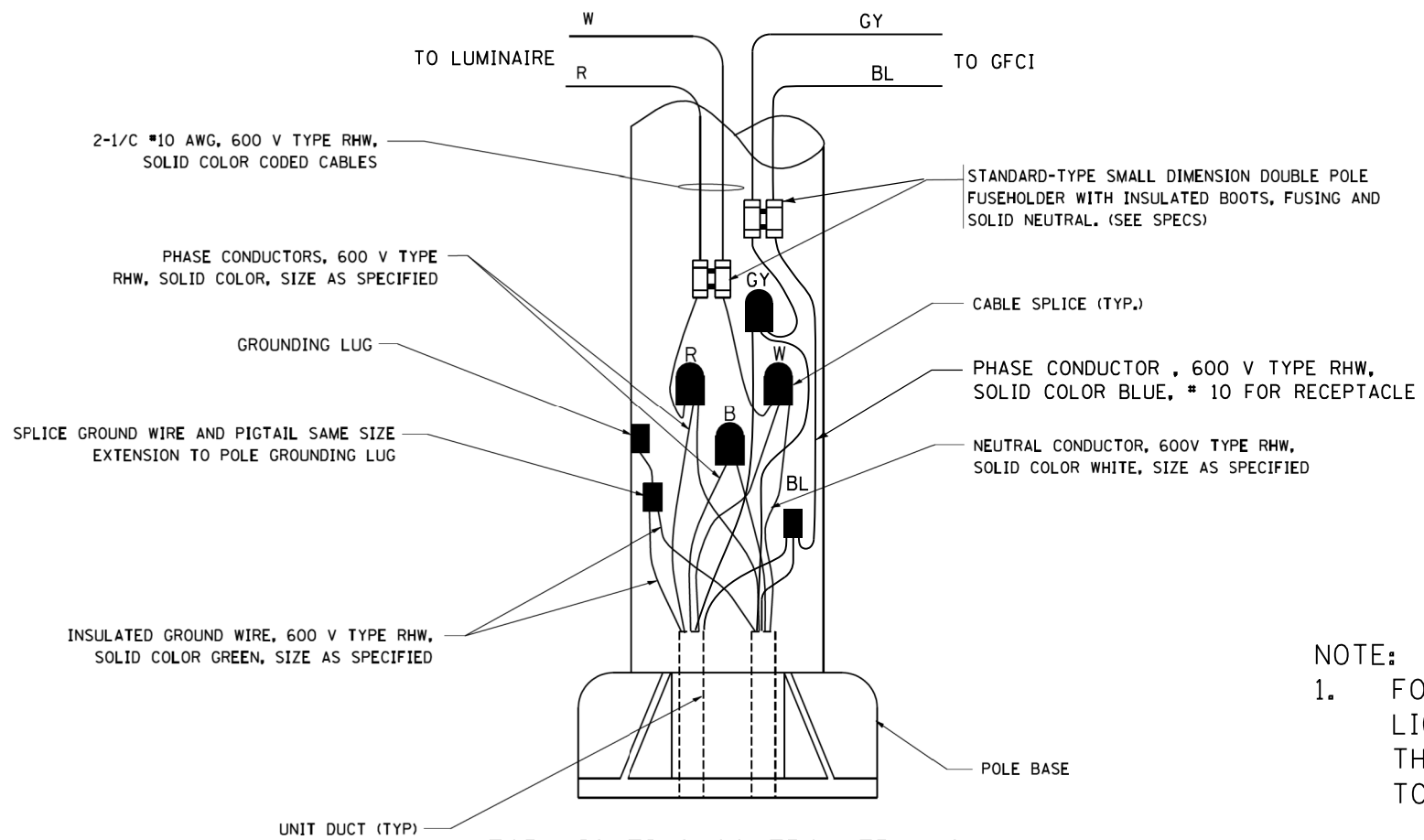
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK	
	NO.	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-217-EL-09.dgn
 FILE NAME: 190567-217-EL-09.dgn
 PEN TABLE: By: dstancz



TYPICAL SPLICE DETAIL

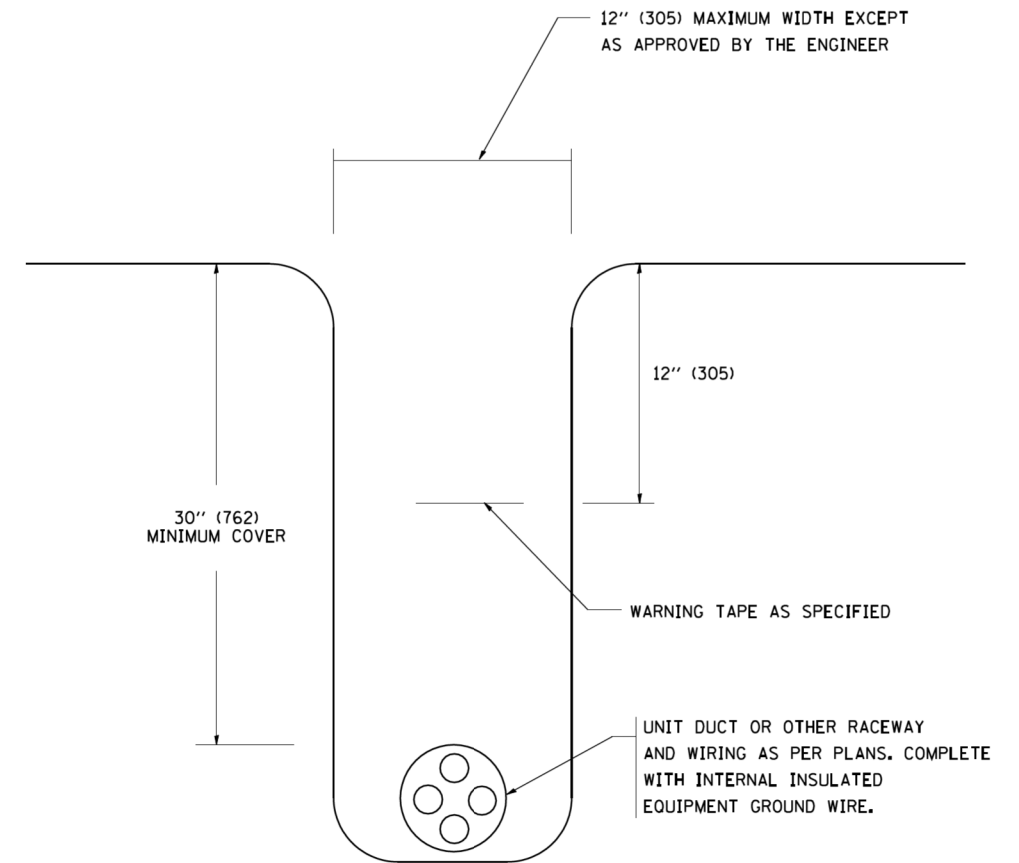
N.T.S.



FOR LIGHTING CONTROLLER "LC"

POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

NOTE:

- FOR PROPOSED LIGHTING CONNECTED TO EXISTING LIGHT POLES ON CIRCUITS FED FROM CONTROLLER "B", THE POLE WIRING SHALL BE PHASE TO PHASE CONNECTED TO THE AVAILABLE CONDUCTORS.

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = dstancz	DESIGNED - MH	REVISED -
	DRAWN - RV	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - BL	REVISED -
PLOT DATE = 8/18/2021	DATE - 11/14/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD**

SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.

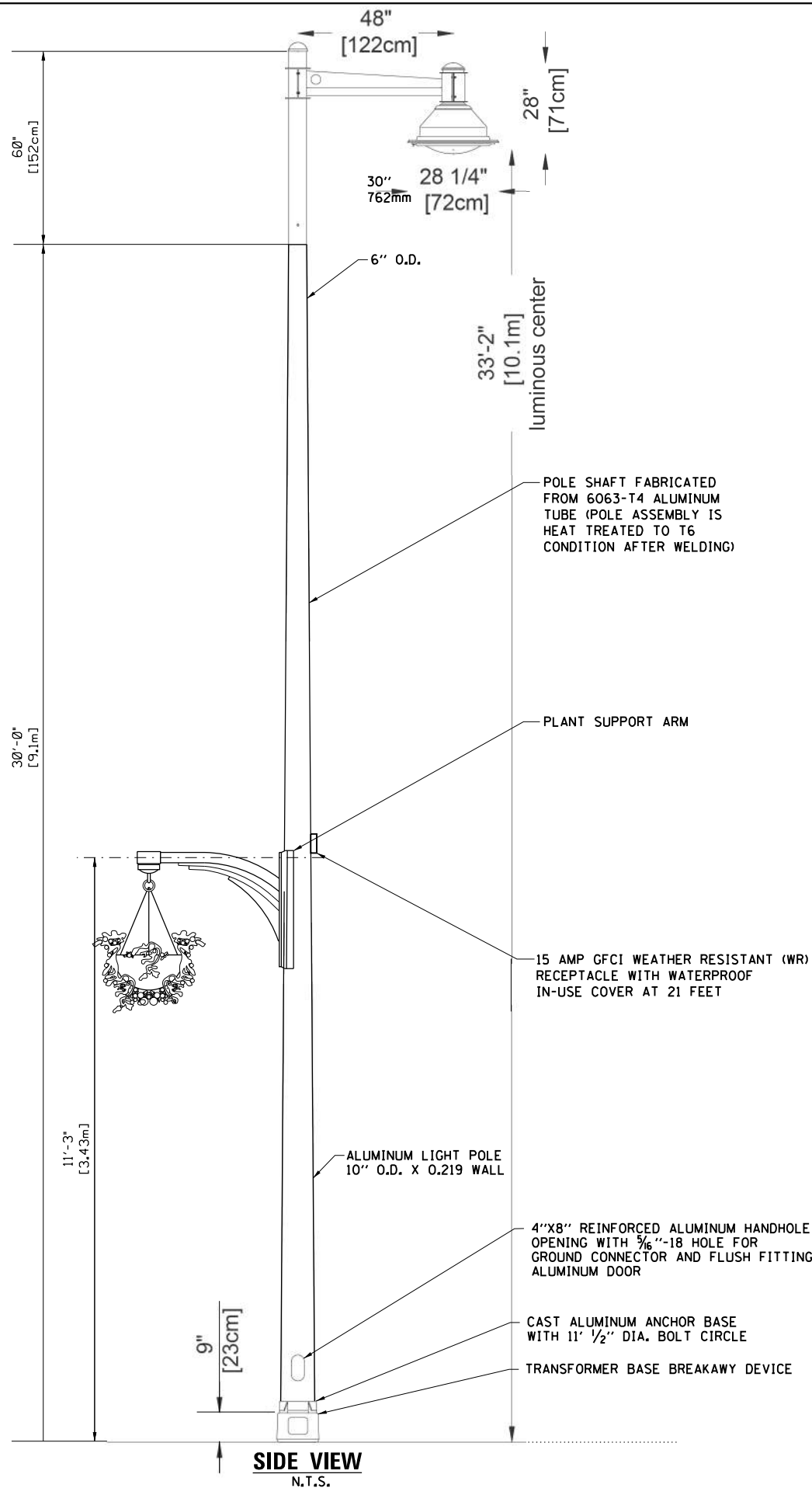
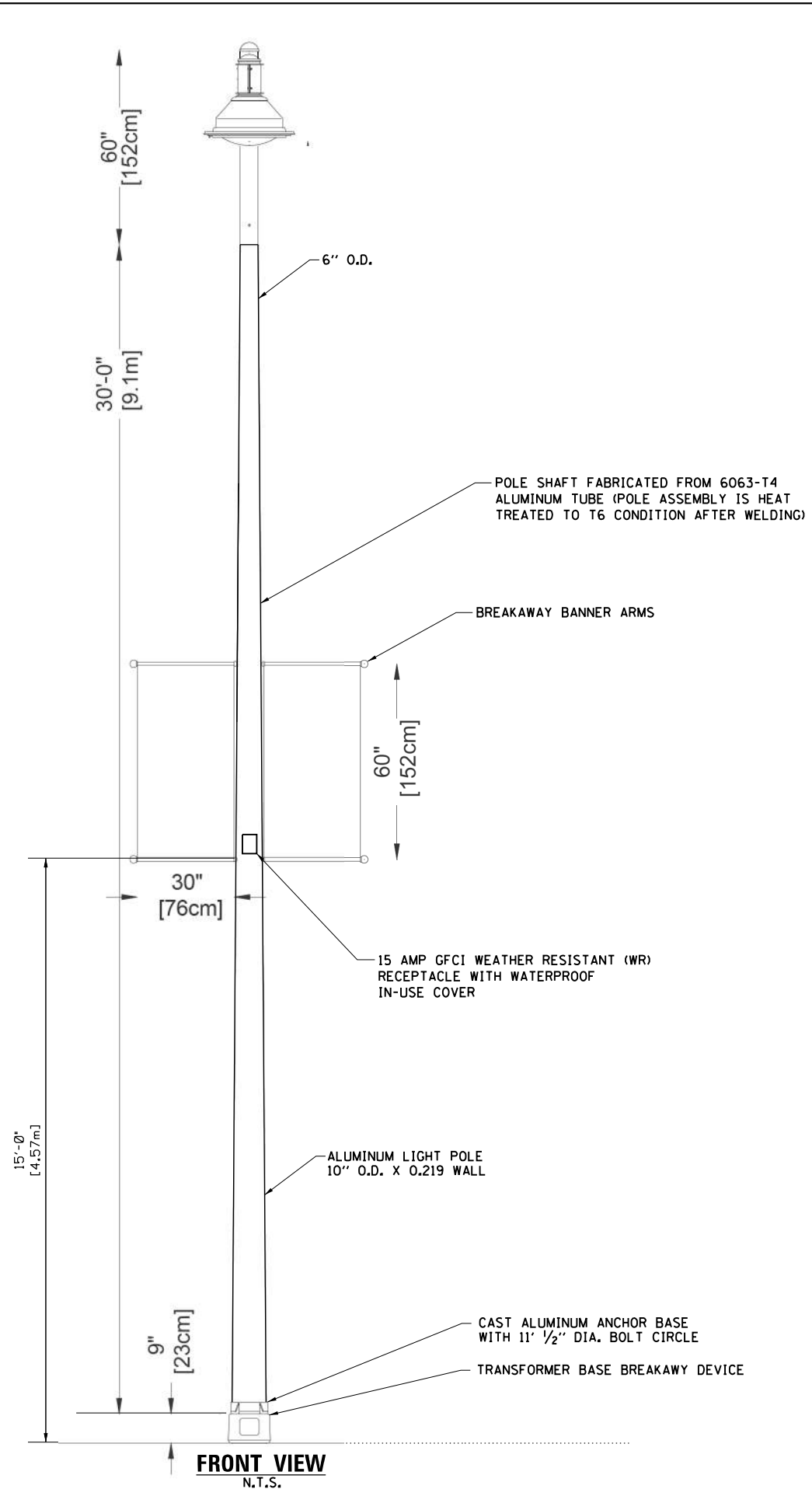
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	104
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

EL-09

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

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-sm+el-10.dgn
 FILE NAME: 190567-sm+el-10.dgn
 PEN TABLE: p01tbl01.tbl



NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE LIGHT POLE SHALL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
3. THE INSTALLING CONTRACTOR SHALL PROVIDE A UL LISTED GROUNDING-3/8"-16 CONNECTOR, BURNDY K2C23 T&B SP4DL.
4. LIGHT POLE WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS OR SHIMS.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMIAIRES.
6. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED PER VILLAGE OF STREAMWOOD REQUIREMENTS.
7. THE LIGHT POLE SHALL BE REVIEWED AND APPROVED BY THE VILLAGE OF STREAMWOOD PRIOR TO INSTALLATION.
8. A RETENTION CHAIN SHALL BE PROVIDED FOR THE BREAKAWAY BANNER ARMS.
9. THE LIGHT POLE SHALL BE CLASSIFIED BY UL, ETL OR APPROVED OSHA TESTING LABORATORY.
10. THE BREAKAWAY DEVICE SHALL BE AASHTO APPROVED.
11. BANNER AND PLANTER ARMS SHALL MEET AASHTO DESIGN CRITERIA (LOADING AND CALCULATION REQUIREMENT 90 MPH-3 SEC WIND SPEEDS).
12. POLE COLOR TO BE BRONZE TEXTURED (BRTX) AND IN ACCORDANCE WITH THE AAMA 2603 STANDARD. APPLICATION OF POLYESTER POWER COAT PAINT (4 MILES/100 MICRONS) WITH +/- 1MILS/247 MICRONS OF TOLERANCE.

AMES Engineering, Inc.
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 Downers Grove, IL 60515

USER NAME = jhorwit	DESIGNED - MH	REVISED - 9/17/2021
	DRAWN - RV	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - BL	REVISED -
PLOT DATE = 9/17/2021	DATE - 11/14/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHT POLE DETAILS
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

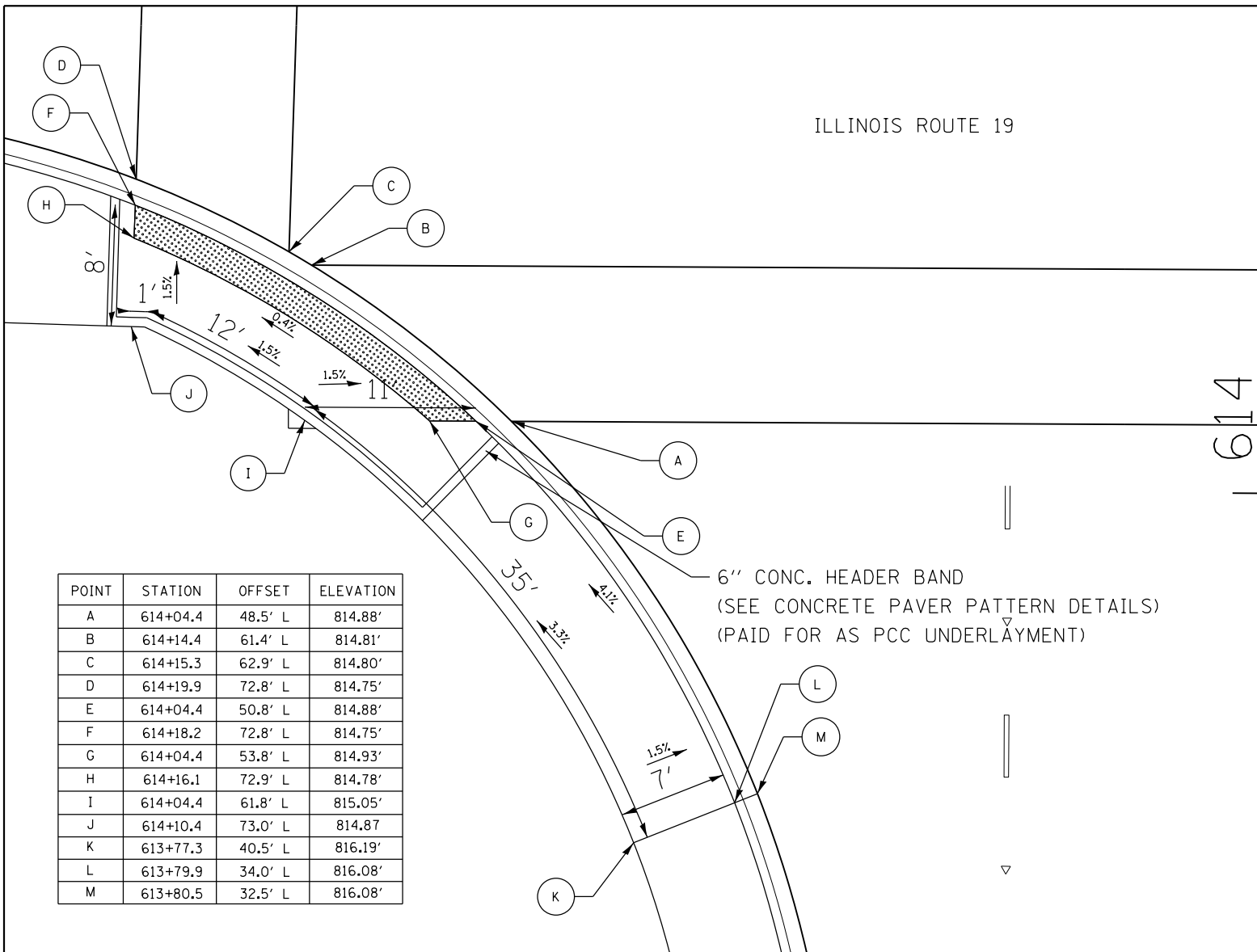
SCALE: N.T.S. SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	105
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

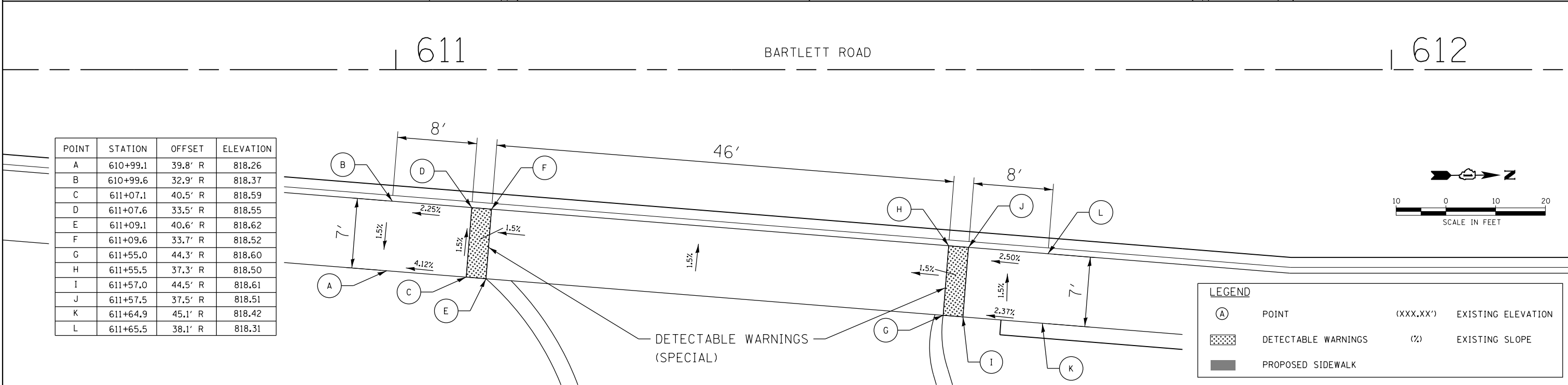
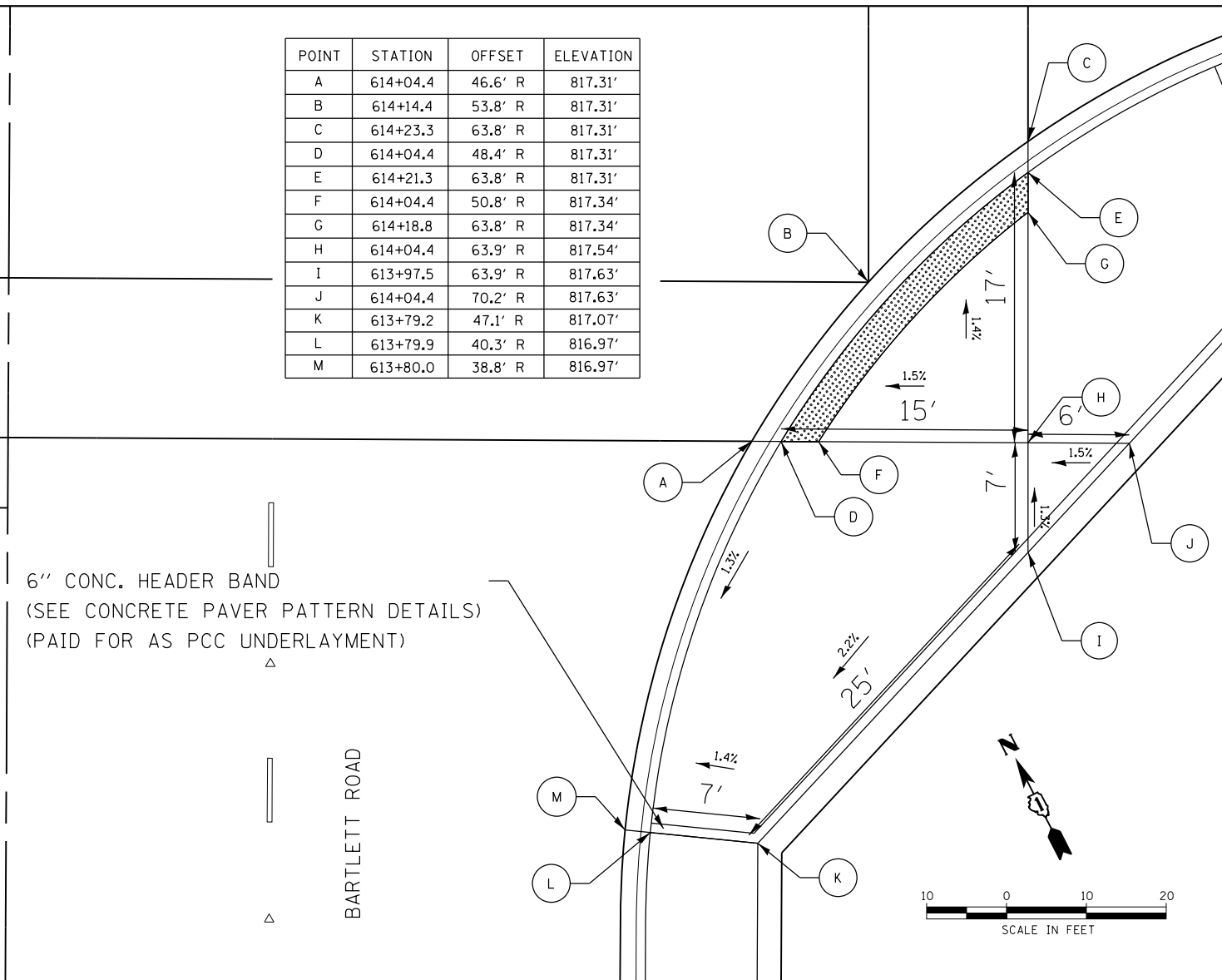
DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE	
NOTATIONS CHECKED	
FILE NAME	
NO.	

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-dbt-swr-amps-01.cgn
 FILE NAME: 190567-srt-dbt-swr-amps-01.cgn
 PEN TABLE: pcc.tbl



POINT	STATION	OFFSET	ELEVATION
A	614+04.4	48.5' L	814.88'
B	614+14.4	61.4' L	814.81'
C	614+15.3	62.9' L	814.80'
D	614+19.9	72.8' L	814.75'
E	614+04.4	50.8' L	814.88'
F	614+18.2	72.8' L	814.75'
G	614+04.4	53.8' L	814.93'
H	614+16.1	72.9' L	814.78'
I	614+04.4	61.8' L	815.05'
J	614+10.4	73.0' L	814.87'
K	613+77.3	40.5' L	816.19'
L	613+79.9	34.0' L	816.08'
M	613+80.5	32.5' L	816.08'

POINT	STATION	OFFSET	ELEVATION
A	614+04.4	46.6' R	817.31'
B	614+14.4	53.8' R	817.31'
C	614+23.3	63.8' R	817.31'
D	614+04.4	48.4' R	817.31'
E	614+21.3	63.8' R	817.31'
F	614+04.4	50.8' R	817.34'
G	614+18.8	63.8' R	817.34'
H	614+04.4	63.9' R	817.54'
I	613+97.5	63.9' R	817.63'
J	614+04.4	70.2' R	817.63'
K	613+79.2	47.1' R	817.07'
L	613+79.9	40.3' R	816.97'
M	613+80.0	38.8' R	816.97'



POINT	STATION	OFFSET	ELEVATION
A	610+99.1	39.8' R	818.26
B	610+99.6	32.9' R	818.37
C	611+07.1	40.5' R	818.59
D	611+07.6	33.5' R	818.55
E	611+09.1	40.6' R	818.62
F	611+09.6	33.7' R	818.52
G	611+55.0	44.3' R	818.60
H	611+55.5	37.3' R	818.50
I	611+57.0	44.5' R	818.61
J	611+57.5	37.5' R	818.51
K	611+64.9	45.1' R	818.42
L	611+65.5	38.1' R	818.31

LEGEND		
(A)	POINT	(XXX.XX') EXISTING ELEVATION
(%)	EXISTING SLOPE	
(Pattern)	DETECTABLE WARNINGS	
(Shaded)	PROPOSED SIDEWALK	



USER NAME = jhorwit	DESIGNED - JRM	REVISED - 9/17/2021
	DRAWN - DMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

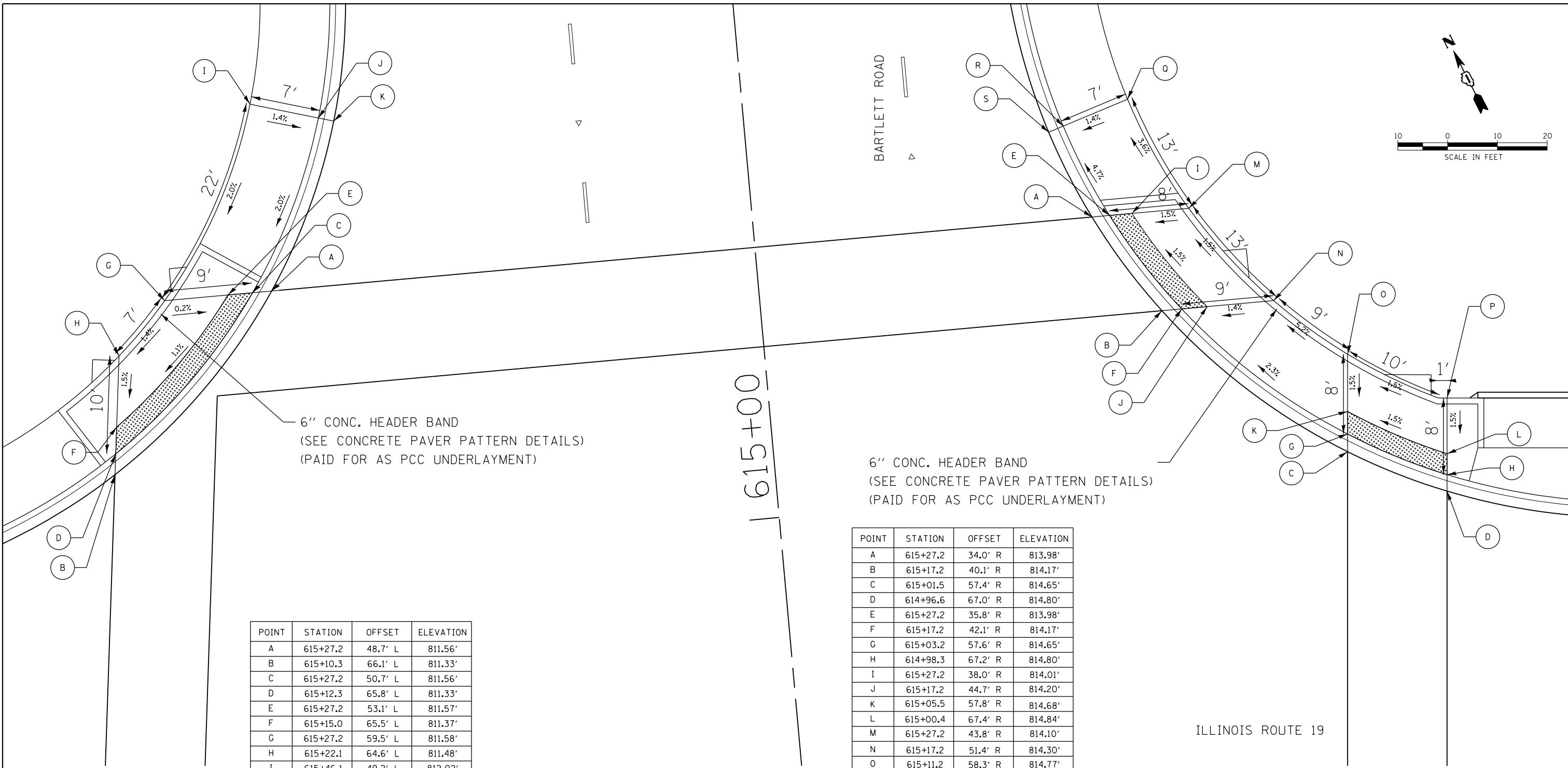
SIDEWALK RAMP DETAILS
 IL RTE 19 (IRVING PARK RD) AND BARTLETT RD
 SCALE: 1"=5' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	106
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO. _____		
	FILE NAME		

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

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-srt-dgt-swr-amps-02.dgn
 FILE NAME: 190567-srt-dgt-swr-amps-02.dgn
 PEN TABLE: pcc.tbl



POINT	STATION	OFFSET	ELEVATION
A	615+27.2	48.7' L	811.56'
B	615+10.3	66.1' L	811.33'
C	615+27.2	50.7' L	811.56'
D	615+12.3	65.8' L	811.33'
E	615+27.2	53.1' L	811.57'
F	615+15.0	65.5' L	811.37'
G	615+27.2	59.5' L	811.58'
H	615+22.1	64.6' L	811.48'
I	615+46.1	49.2' L	812.02'
J	615+44.1	42.5' L	811.92'
K	615+43.7	41.0' L	811.92'

POINT	STATION	OFFSET	ELEVATION
A	615+27.2	34.0' R	813.98'
B	615+17.2	40.1' R	814.17'
C	615+01.5	57.4' R	814.65'
D	614+96.6	67.0' R	814.80'
E	615+27.2	35.8' R	813.98'
F	615+17.2	42.1' R	814.17'
G	615+03.2	57.6' R	814.65'
H	614+98.3	67.2' R	814.80'
I	615+27.2	38.0' R	814.01'
J	615+17.2	44.7' R	814.20'
K	615+05.5	57.8' R	814.68'
L	615+00.4	67.4' R	814.84'
M	615+27.2	43.8' R	814.10'
N	615+17.2	51.4' R	814.30'
O	615+11.2	58.3' R	814.77'
P	615+05.9	67.9' R	814.92'
Q	615+38.7	38.6' R	813.63'
R	615+36.6	31.9' R	813.53'
S	615+36.1	30.4' R	813.53'

6" CONC. HEADER BAND
 (SEE CONCRETE PAVER PATTERN DETAILS)
 (PAID FOR AS PCC UNDERLAYMENT)

6" CONC. HEADER BAND
 (SEE CONCRETE PAVER PATTERN DETAILS)
 (PAID FOR AS PCC UNDERLAYMENT)

LEGEND			
(A)	POINT	(XXX.XX')	EXISTING ELEVATION
[Pattern]	DETECTABLE WARNINGS	(%)	EXISTING SLOPE
[Shaded]	PROPOSED SIDEWALK		

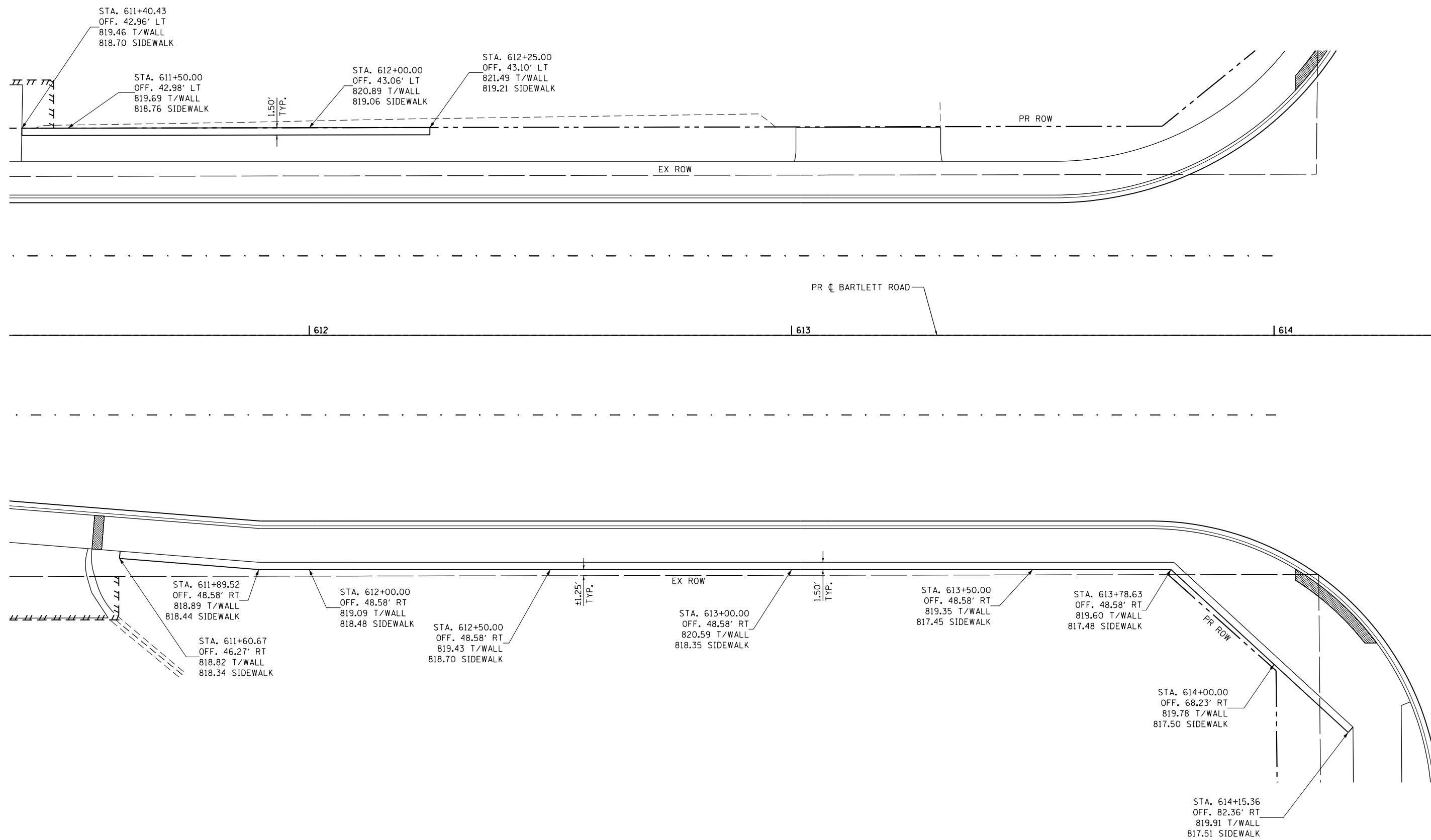


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	DRAWN - DMS	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS			
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD			
SCALE: 1"=5'	SHEET 2 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	107
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #PROJECT CONTACT#
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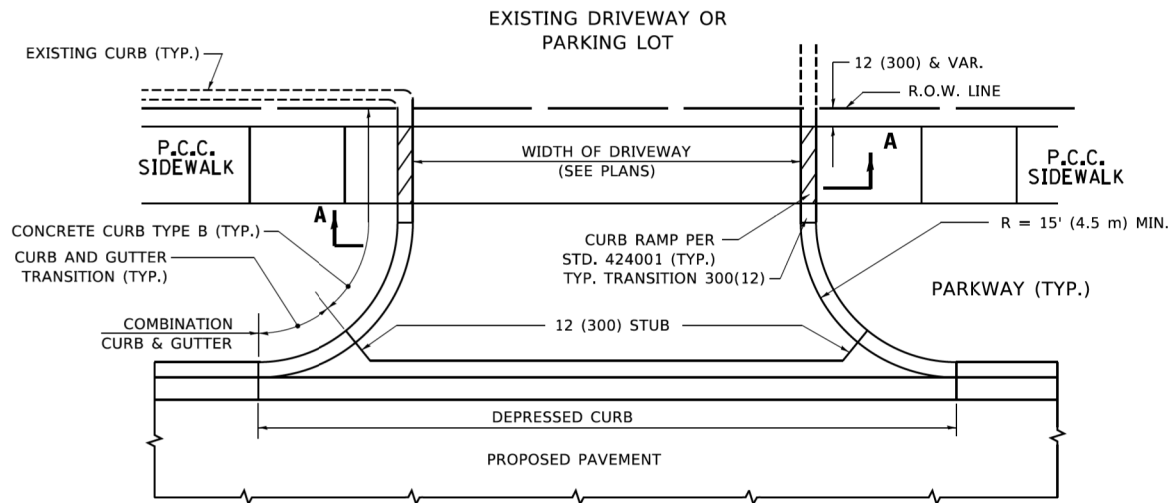
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CHECKED - WJH	REVISIONS -	
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PLOT DATE = 8/18/2021	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

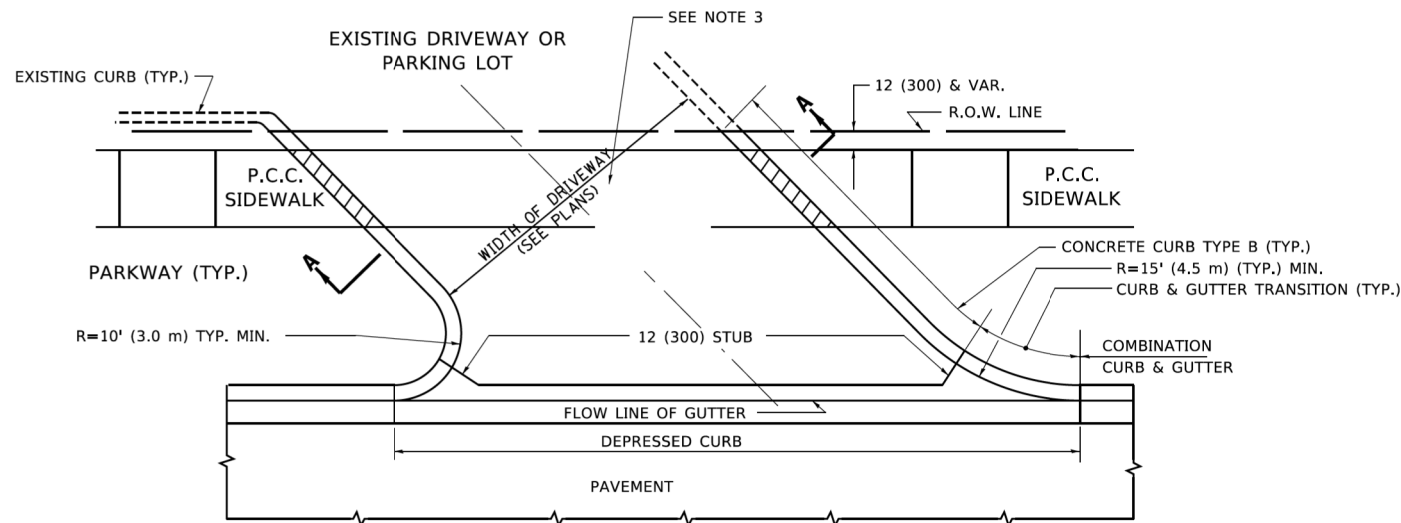
SEGMENTAL BLOCK WALL DETAILS
IL RTE 19 (IRVING PARK RD) AND BARTLETT RD

N.T.S. SHEET NO. 1 OF 1 SHEETS

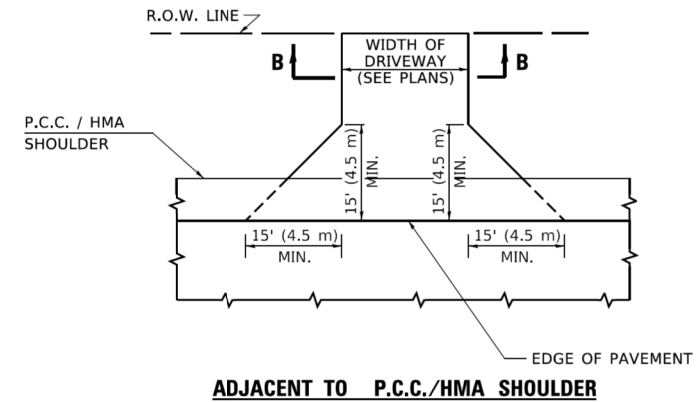
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	108
				CONTRACT NO. 61R15
ILLINOIS FED. AID PROJECT				



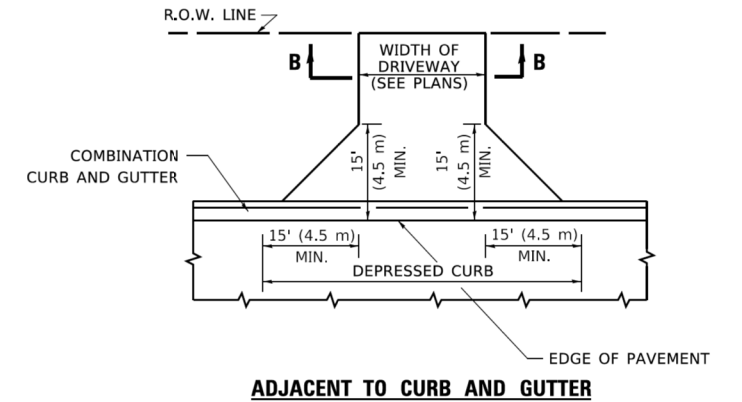
WITH CONCRETE CURB, TYPE B



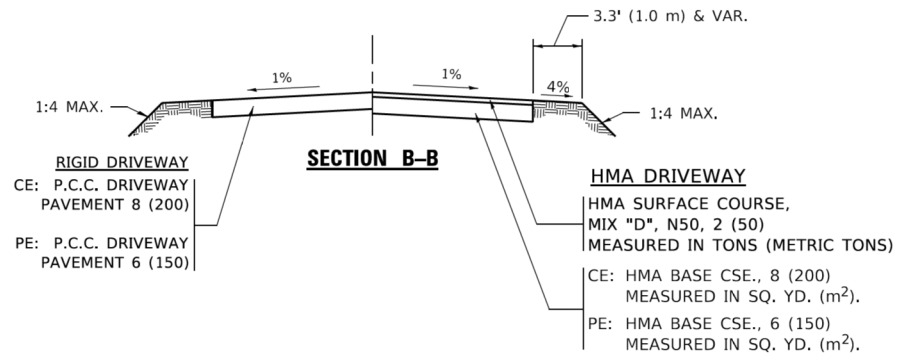
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C./HMA SHOULDER



ADJACENT TO CURB AND GUTTER



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.

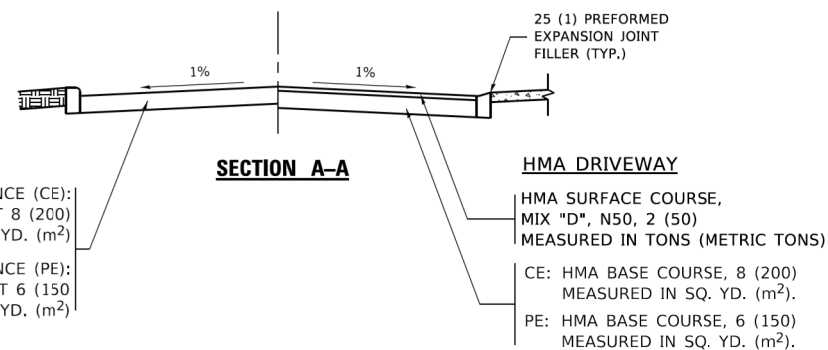
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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).

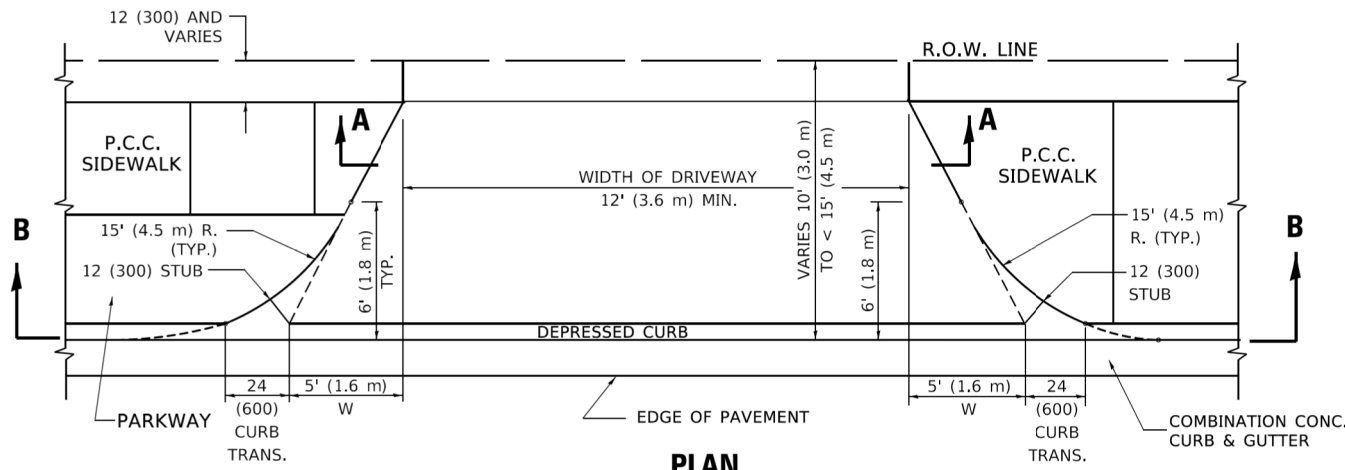
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USER NAME = footemj	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
PLOT DATE = 3/27/2019	DATE - 11-04-95	REVISED - R. BORO 09-06-11

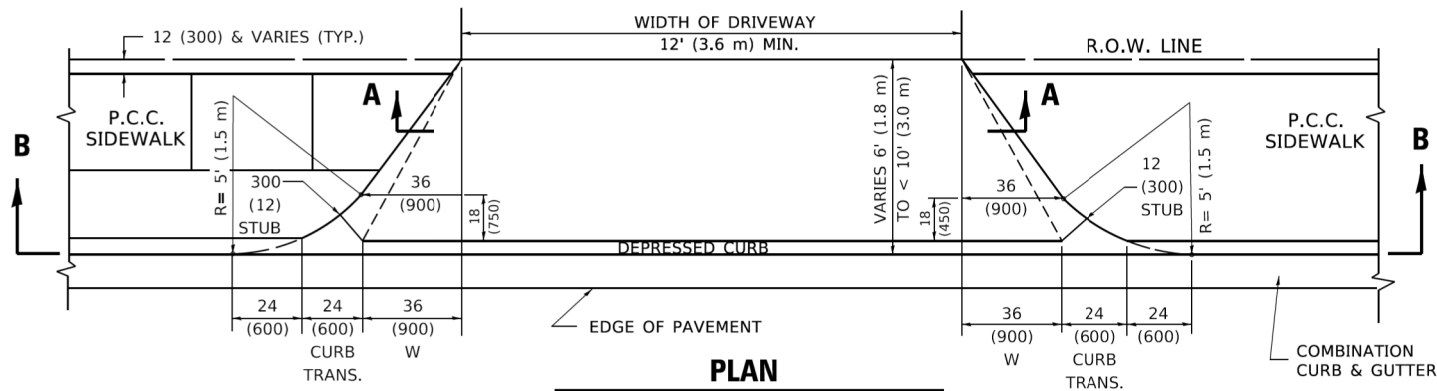
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

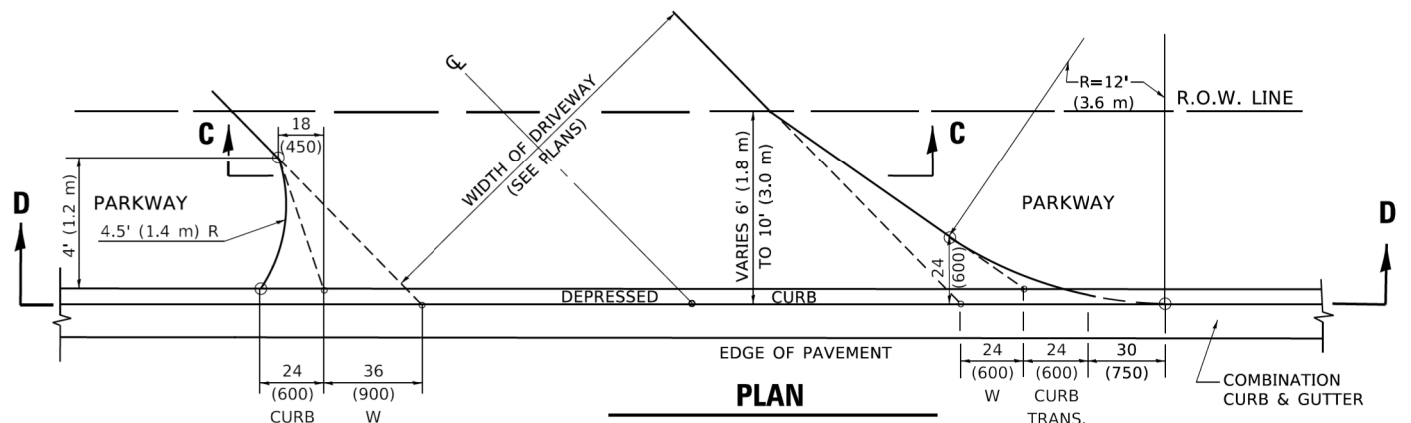
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-01 (BD-01)		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				



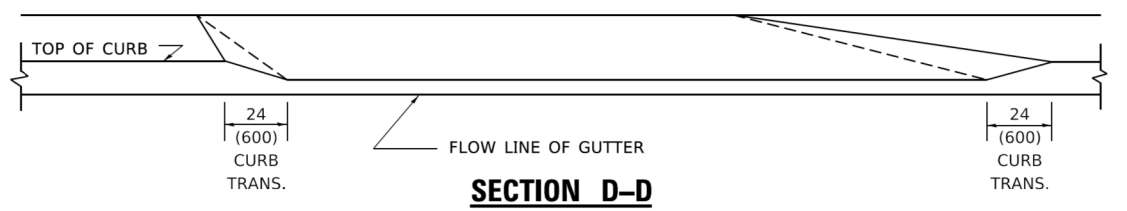
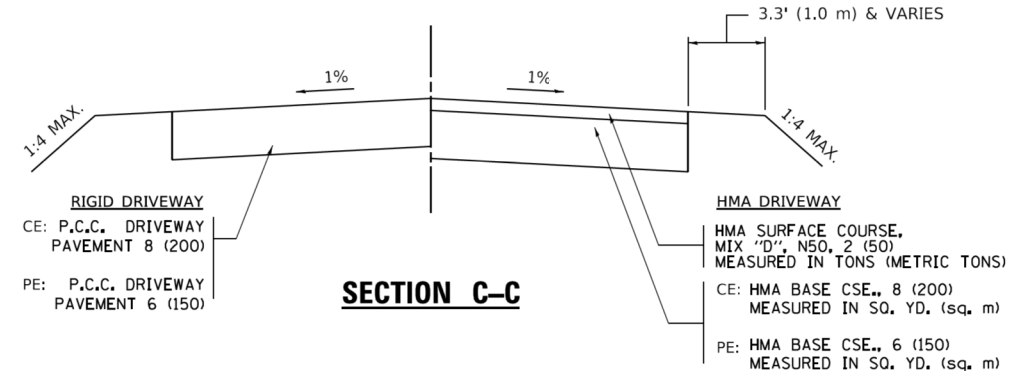
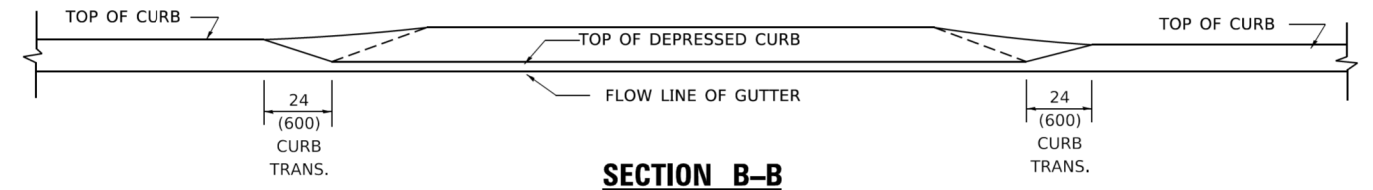
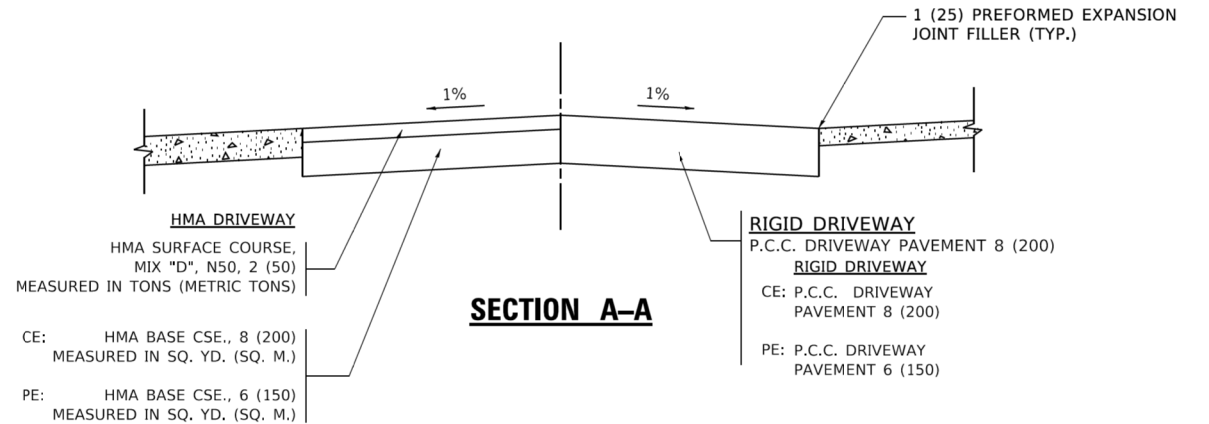
PLAN
10' (3.0 m) TO < 15' (4.5 m)



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



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



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

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

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

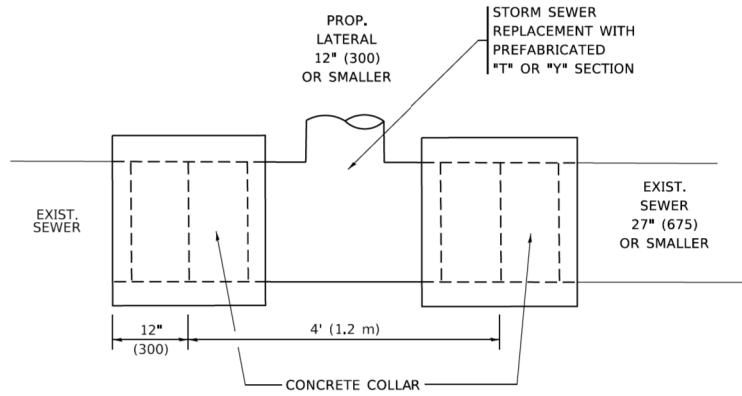
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PLOT DRIVER: ILpdfwtrrefq
PLOT DATE: 3/27/2019

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PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - P. LOFLUER 04-15-03
PLOT DATE = 3/27/2019	DATE - 11-06-95	REVISED - R. BORO 01-01-07
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

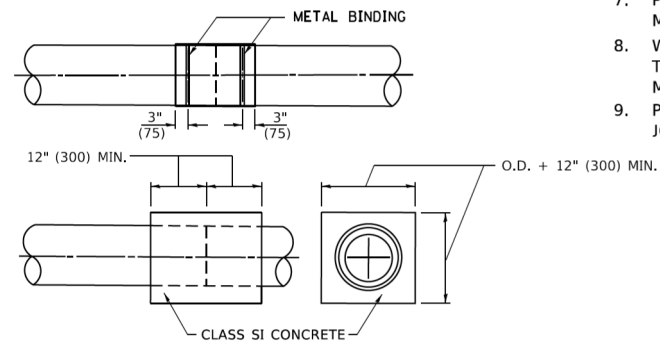
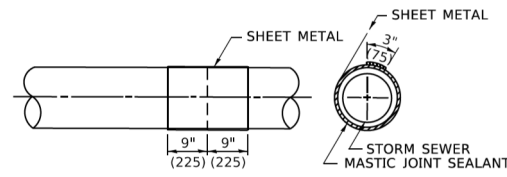
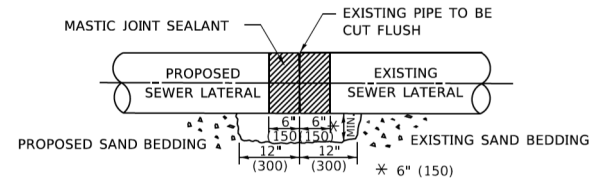
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	110
BD400-02 (BD-02)			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				



DETAIL "A"

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



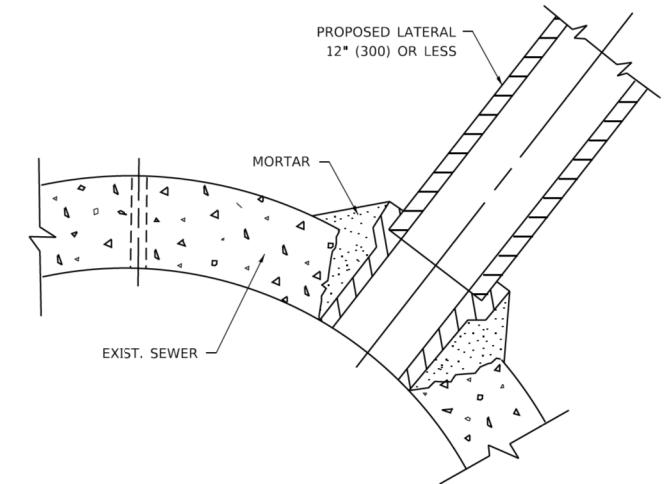
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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

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



DETAIL "C"

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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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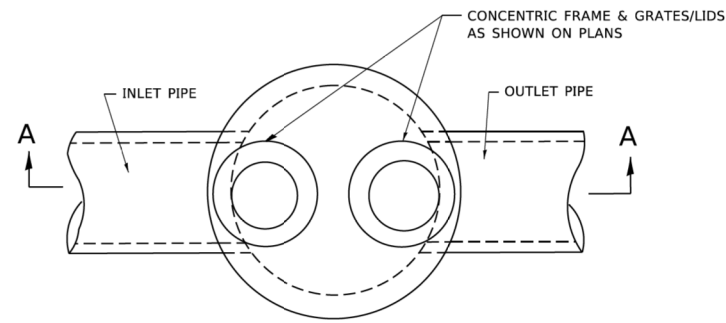
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	DRAWN -	REVISED - R. SHAH 09-09-94
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PLOT DATE = 3/27/2019	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

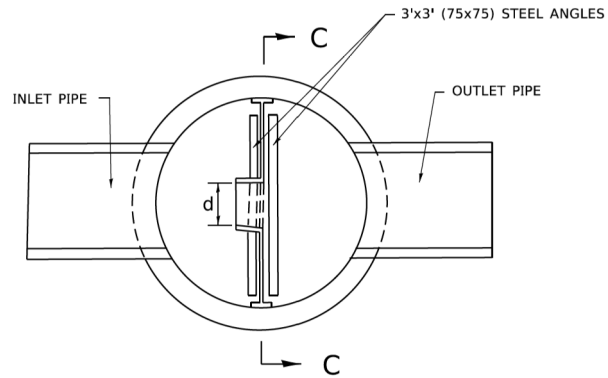
DETAIL OF STORM SEWER
 CONNECTION TO EXISTING SEWER

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

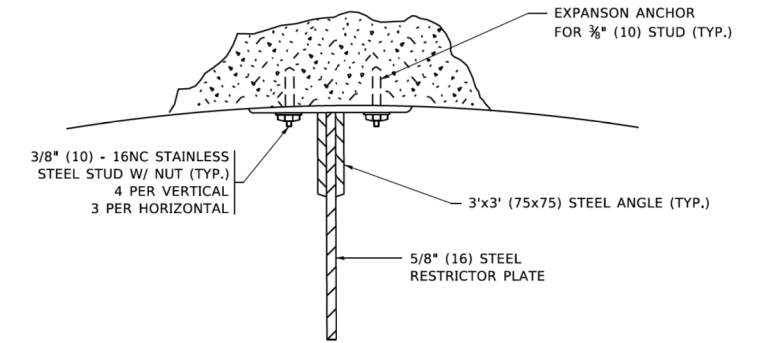
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD500-01 (BD-7)		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				



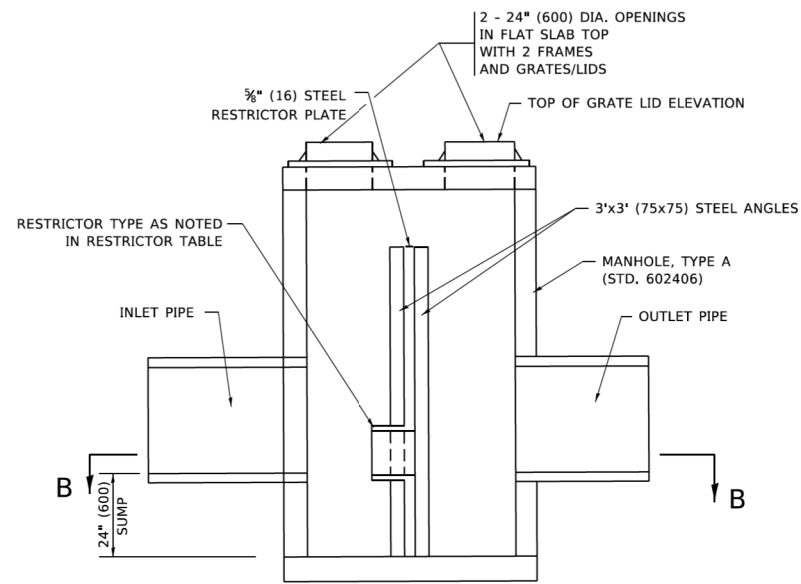
PLAN



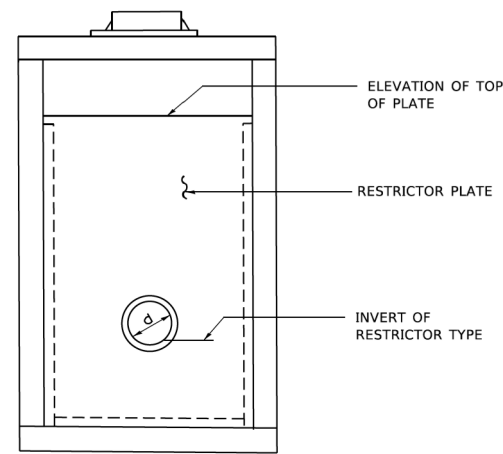
SECTION B-B



ANGLE FASTENER DETAIL



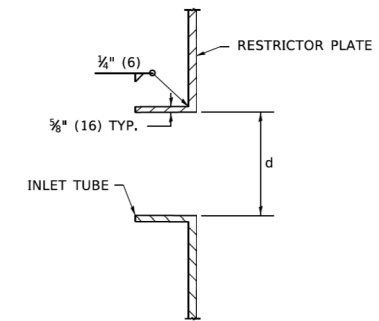
SECTION A-A



SECTION C-C

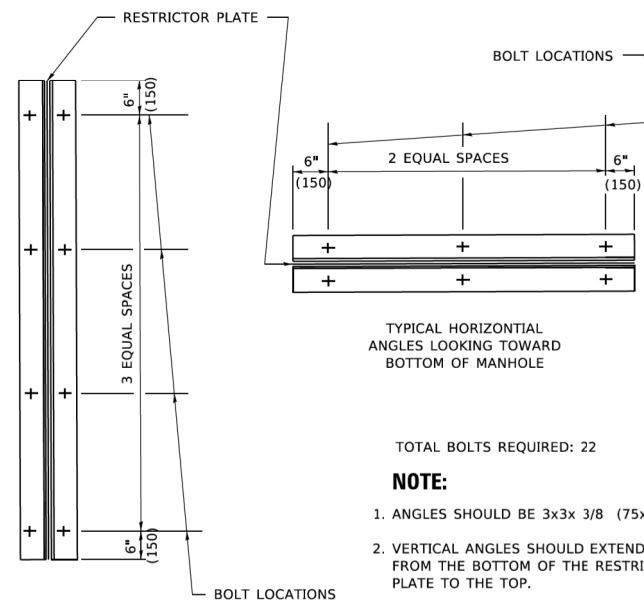
NOTES:

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



INLET TUBE DETAIL

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
624+64.0	8'	T1F CL	3	30	795.40	799.10



TOTAL BOLTS REQUIRED: 22

- NOTE:**
1. ANGLES SHOULD BE 3x3x 3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

STEEL ANGLE BOLTING DETAILS

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

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 PLOT DATE: 3/27/2019

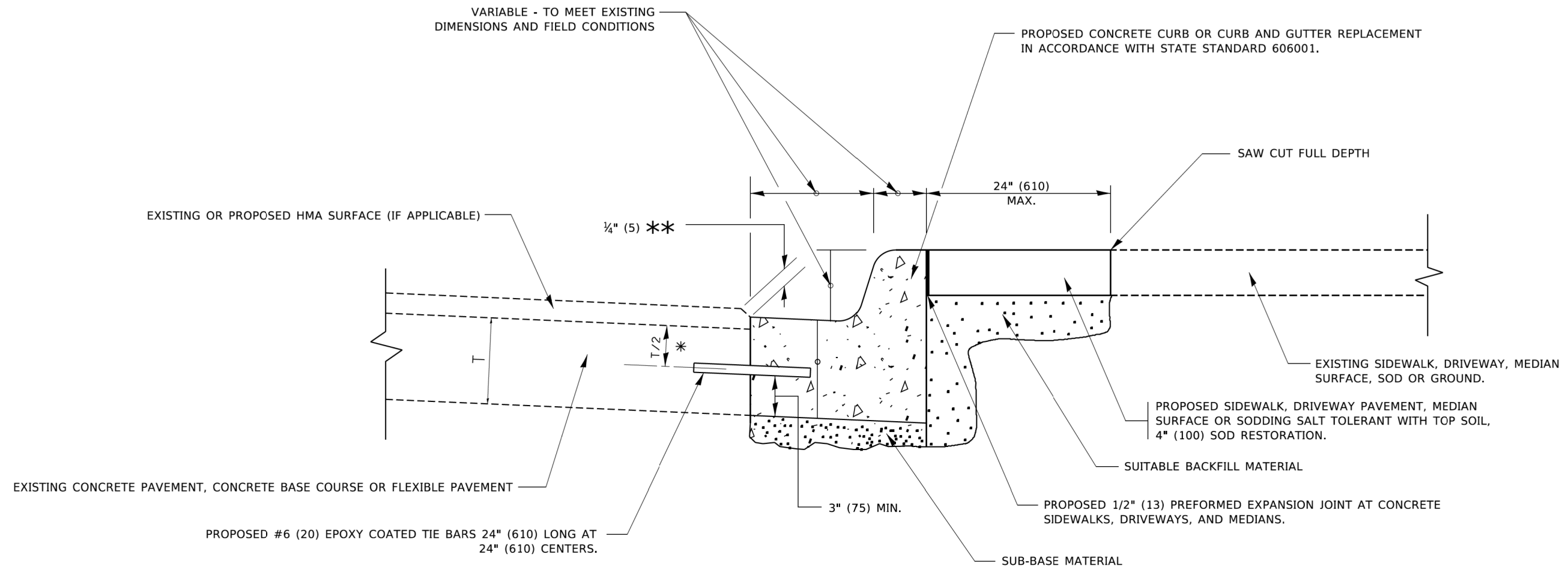
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - M. GOMEZ 01-08-01
PLOT DATE = 3/27/2019	DATE - 09-09-94	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MANHOLE WITH
 RESTRICTOR PLATE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	112
BD600-04 (BD-12)		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

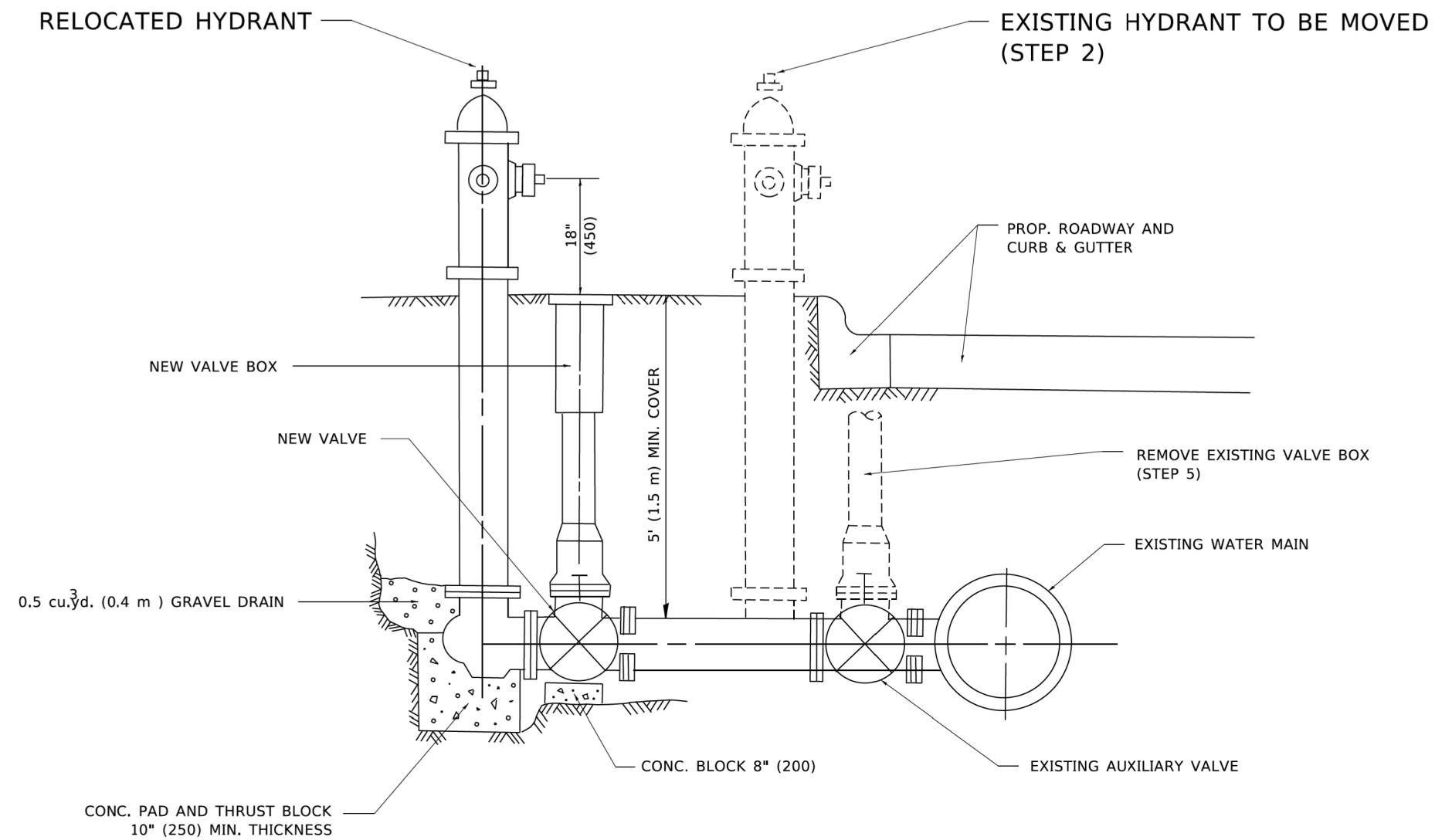
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USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	113
BD600-06 (BD-24)		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2021 11:56:45 AM
 FILE NAME: 190567-shr-details-BD36.dgn
 PLOT DRIVER: #PLOT DRIVER#
 FILE PATH: #FILE PATH#

USER NAME = footemj	DESIGNED -	REVISED - R. SHAH 09-09-94
	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/27/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIRE HYDRANT TO BE MOVED

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

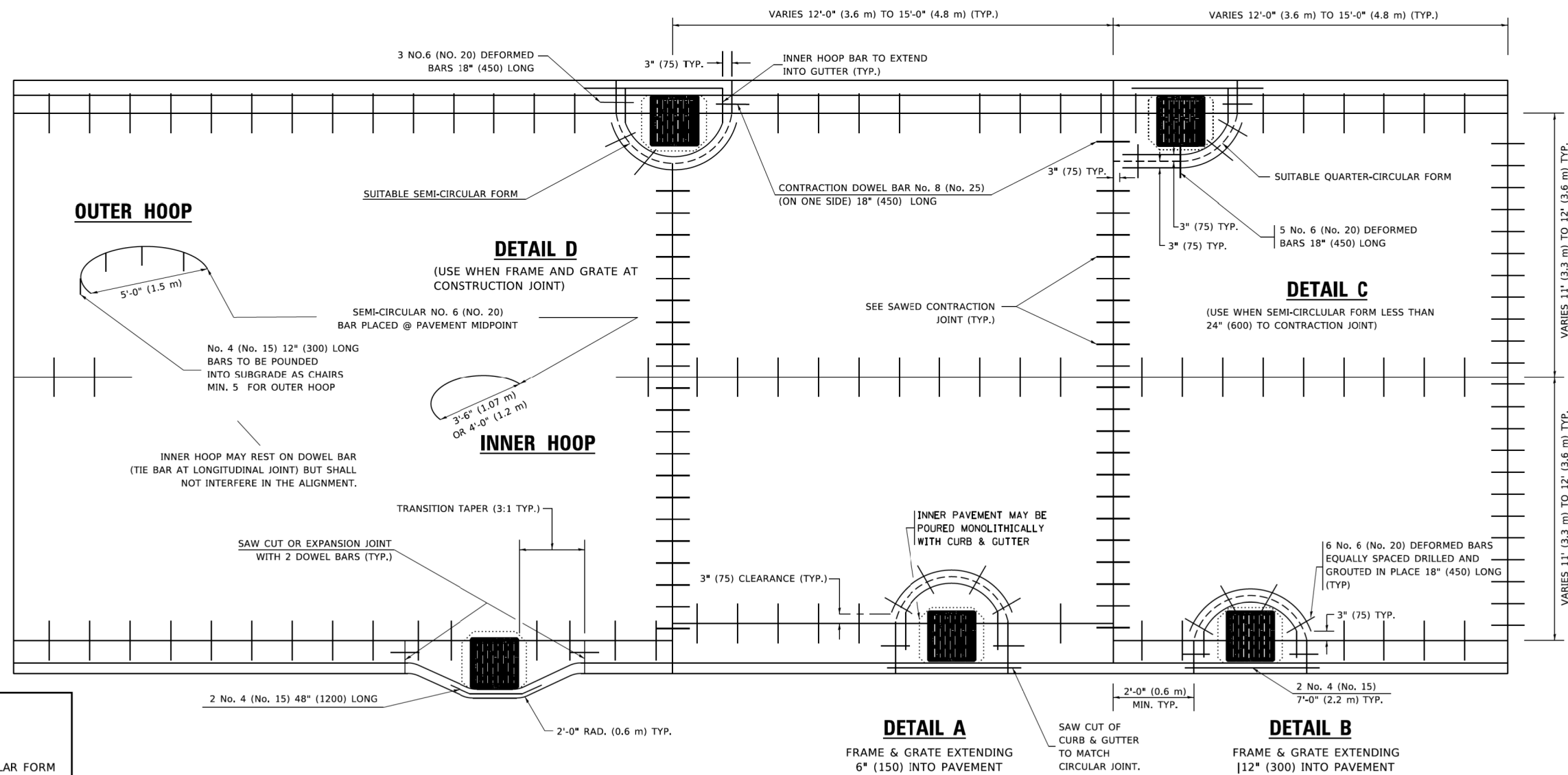
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	114
BD-36		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

DESIGNER NOTE
THIS DETAIL IS TO BE USED
WHEN THE GUTTER FLAG IS
LESS THAN 24"

NOTES:

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF THE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.



**TRANSITION CURB & AND GUTTER INTO PARKWAY
(PREFERRED BECAUSE PAVING OF MAINLINE NOT AFFECTED.)**

LEGEND

.....	CASTING
-----	SUITABLE SEMI-CIRCULAR FORM

COMPANY NAME: #COMPANY NAME#
PROJECT CONTACT: #PROJECT CONTACT#
DATE PLOTTED: 8/18/2021 11:56:55 AM
FILE NAME: 190567-shr-detalls-BD48.dgn
PLOT DRIVER: #PLOT DRIVER#
PLOT DATE: 3/27/2019

USER NAME = footemj	DESIGNED - A. ABBAS	REVISED - T. MATOUSEK 08-28-00
	DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 10-02-00
PLOT SCALE = 50,0000' / 1"	CHECKED - A. ABBAS	REVISED - T. MATOUSEK 04-25-02
PLOT DATE = 3/27/2019	DATE - 01-04-99	REVISED - P. LAFLEUR 08-27-02

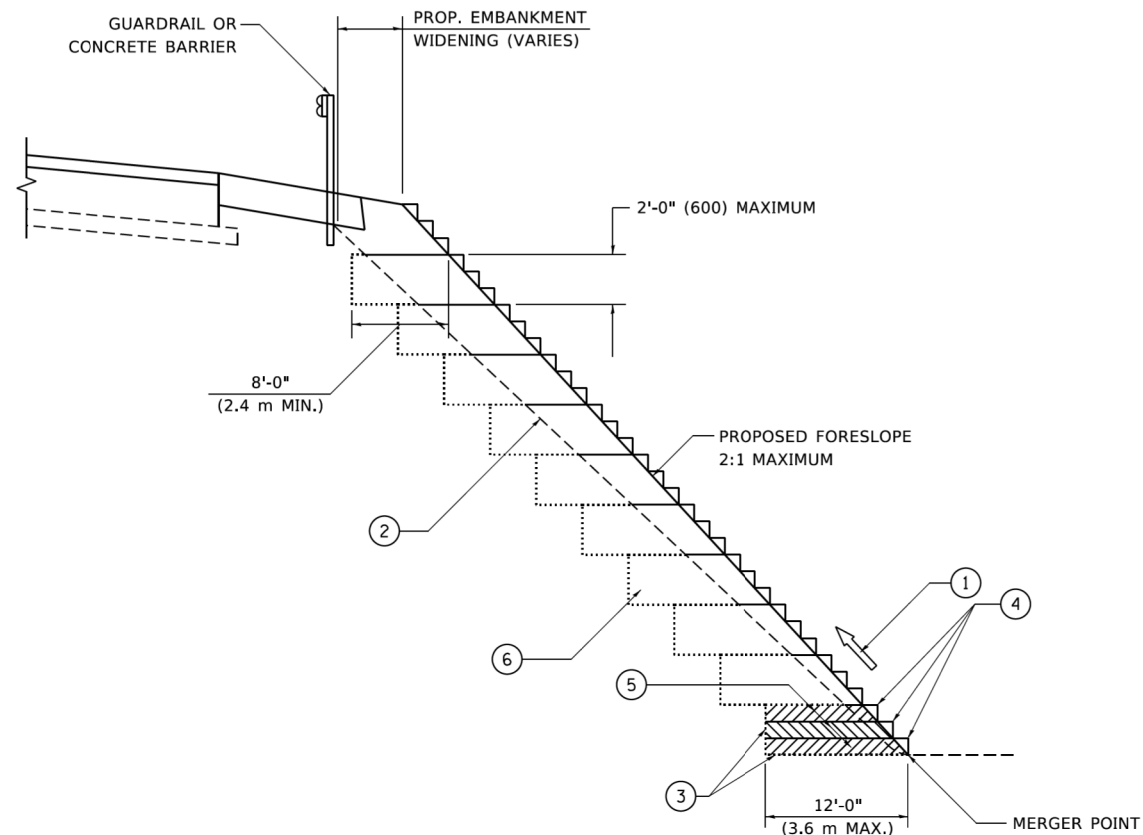
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PCC PAVEMENT ROUNDOUTS AT
CURB AND GUTTER**

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

ALL DIMENSIONS ARE IN INCHES
(MILLIMETERS) UNLESS OTHERWISE NOTED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	115
BD-48			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
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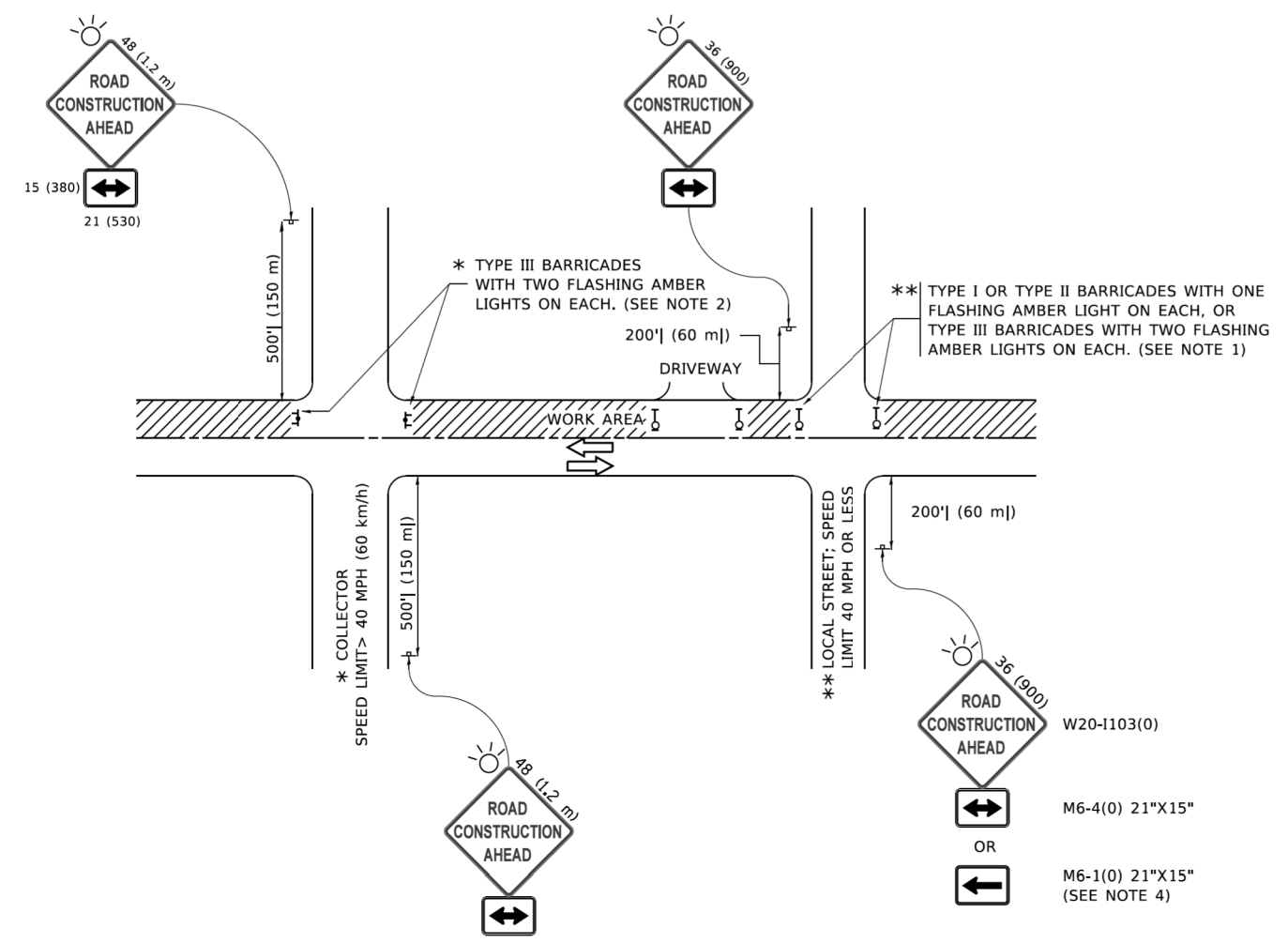
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	DRAWN - CADD	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED - S.E.B.	REVISED -
PLOT DATE = 3/27/2019	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	116
BD-51			CONTRACT NO. 61H15	
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) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2019 11:27:16 AM
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 PLOT DATE: 3/4/2019

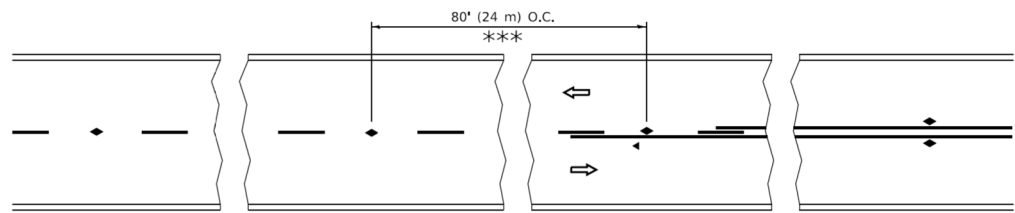
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

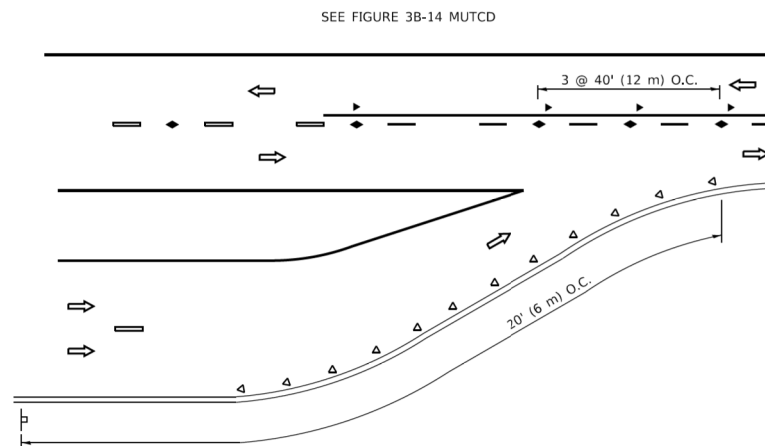
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				

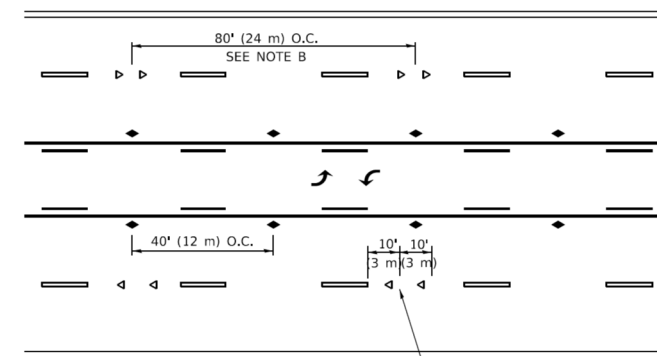


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

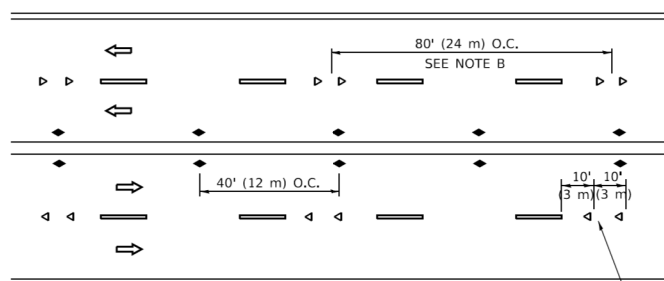
TWO-LANE/TWO-WAY



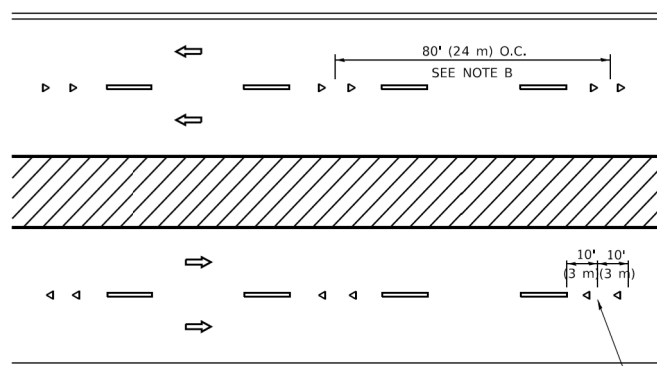
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

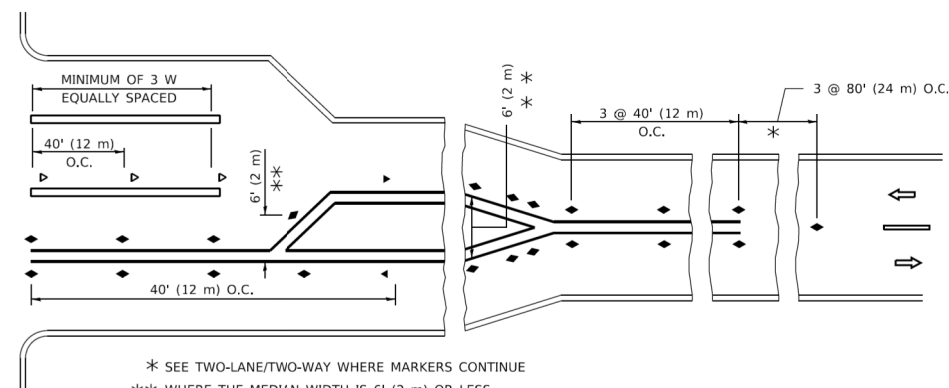
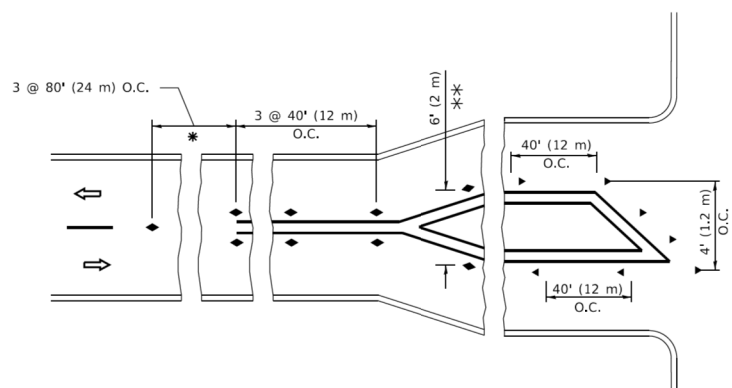
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES

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

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

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2019 11:27:26 AM
 FILE NAME: 190567-shr-details-TC11.dgn
 PLOT DRIVER: #PLOT DRIVER#
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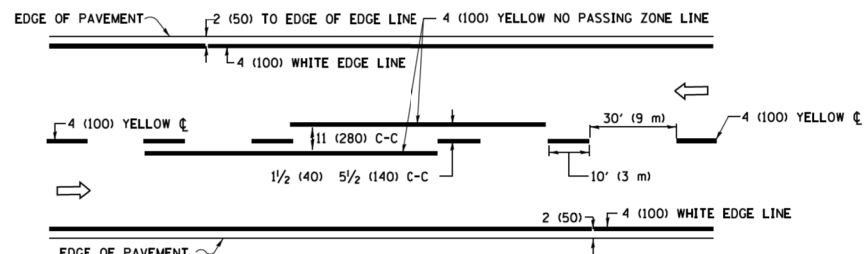
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000 1 / 16"	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

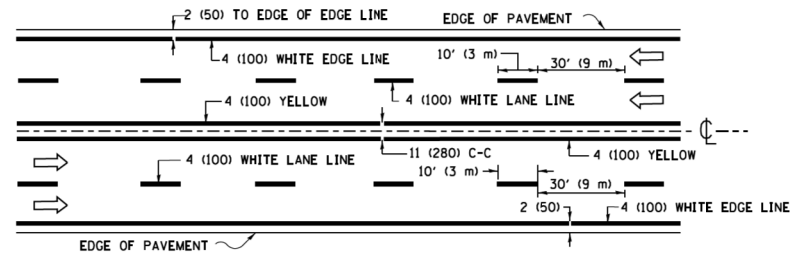
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

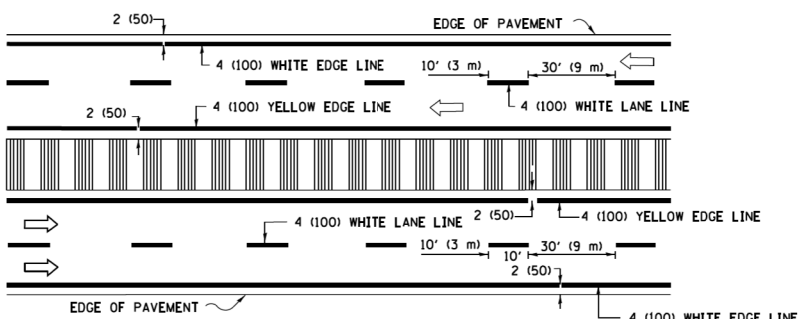
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	118
TC-11			CONTRACT NO. 61H15	
ILLINOIS		FED. AID PROJECT		



2-LANE ROADWAY

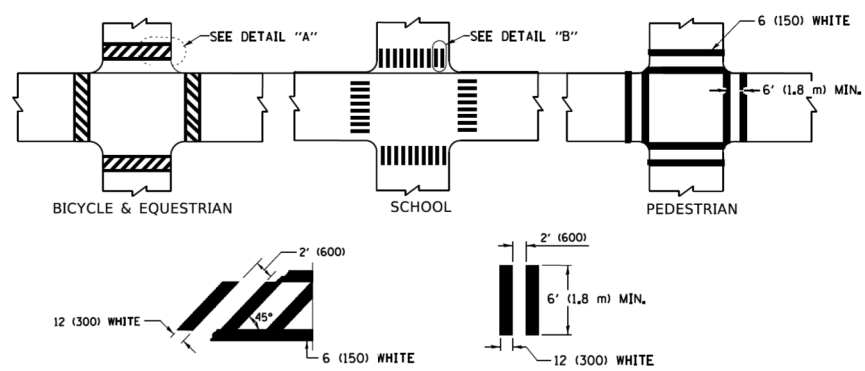


MULTI-LANE UNDIVIDED



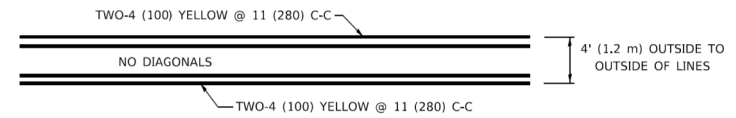
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

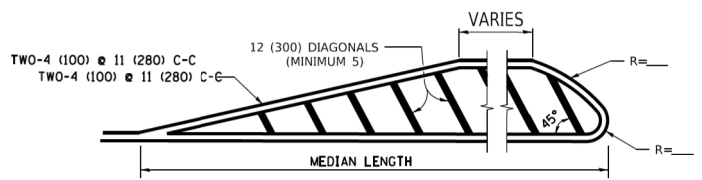


TYPICAL CROSSWALK MARKING

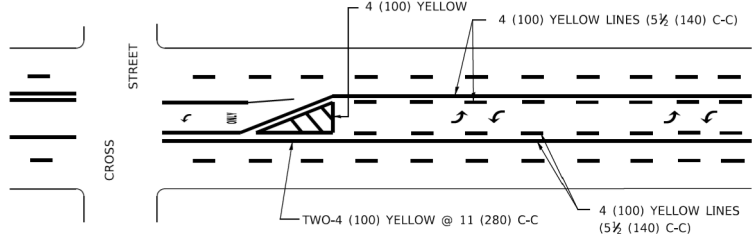
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



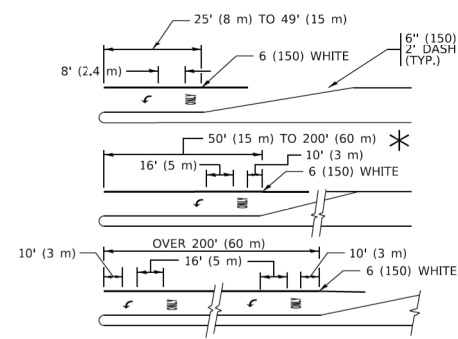
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

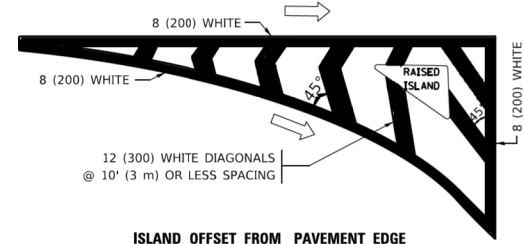


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

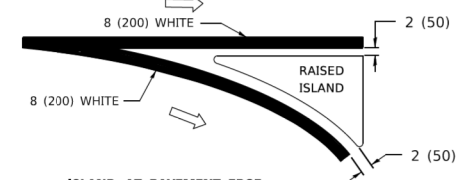


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

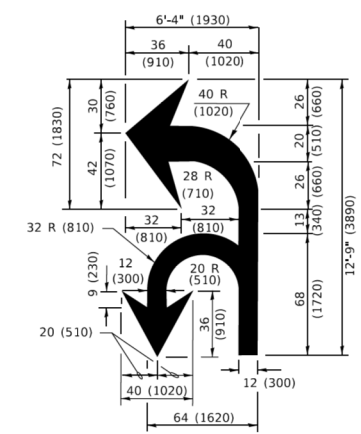


ISLAND OFFSET FROM PAVEMENT EDGE

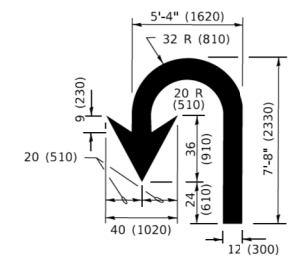


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: *RR* 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m²) EACH *X*=54.0 SQ. FT. (5.0 m²)
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.

COMPANY NAME: #COMPANY NAME #
PROJECT CONTACT: #PROJECT CONTACT #
DATE PLOTTED: 8/18/2021 11:27:37 AM
FILE NAME: 190567-sh1-details-TC13.dgn
PLOT DRIVER: ILpdf.plt
PLOT SCALE: 1/8"=1'-0"

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000" / 1'	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	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 2 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-0055-01-WR	COOK	148	119
TC-13			CONTRACT NO.	61H15
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

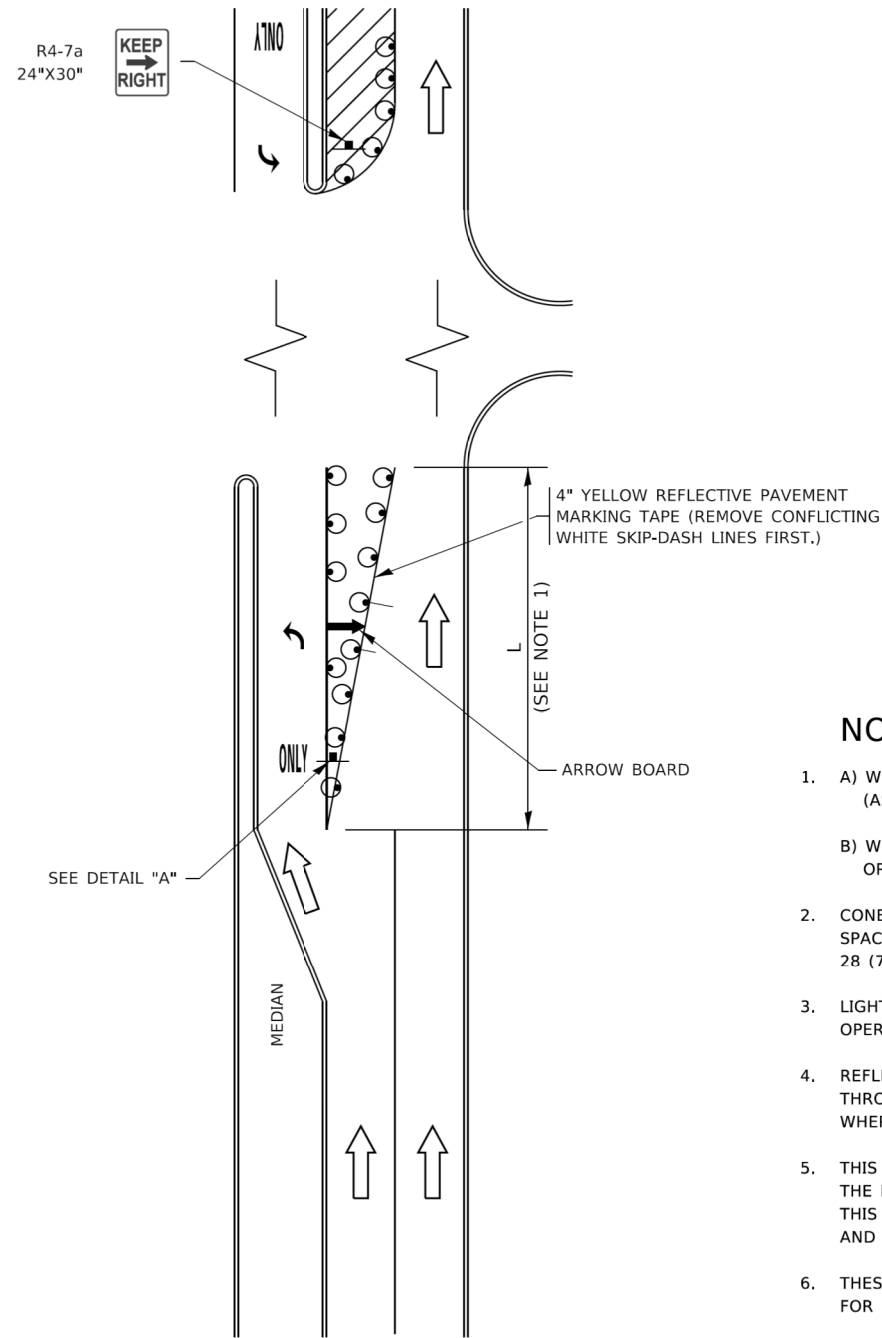


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

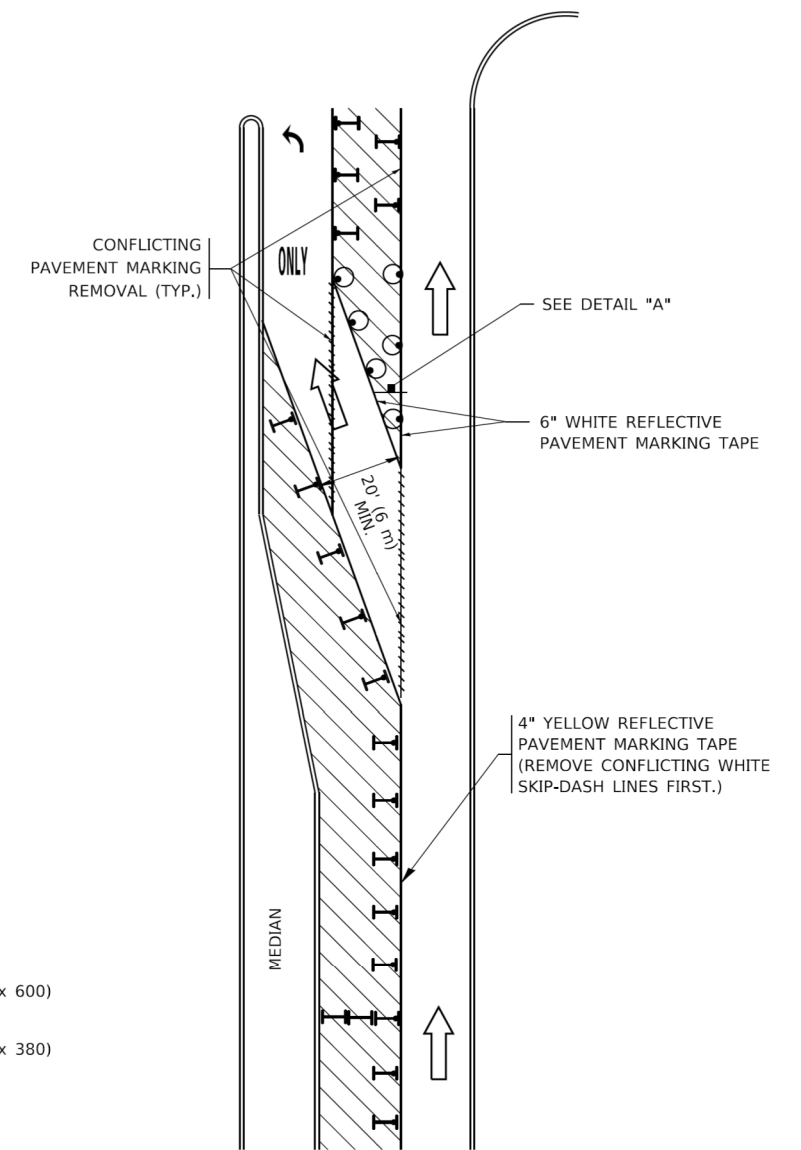









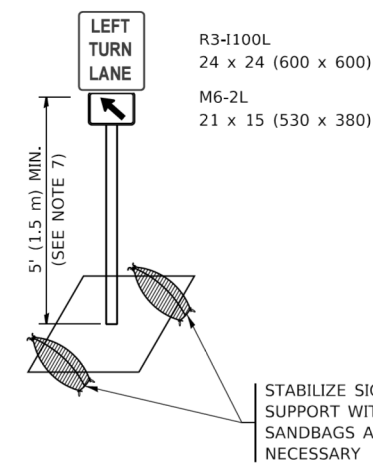
FIGURE 2

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" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2019 11:27:48 AM
 FILE NAME: 190567-sh1-details-TC14.dgn
 PLOT DRIVER: ilplotdrv
 PLOT SCALE: 1/8" = 1'-0"

USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION




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

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






F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	120
TC-14		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				

COMPANY NAME: *
 PROJECT CONTACT: *
 DATE PLOTTED: 8/18/2021 11:28:08 AM
 FILE NAME: 190567-sht-details-TC21.dgn
 PLOT DRIVER: *
 PLOT DATE: 3/4/2019






ROUTE MARKERS

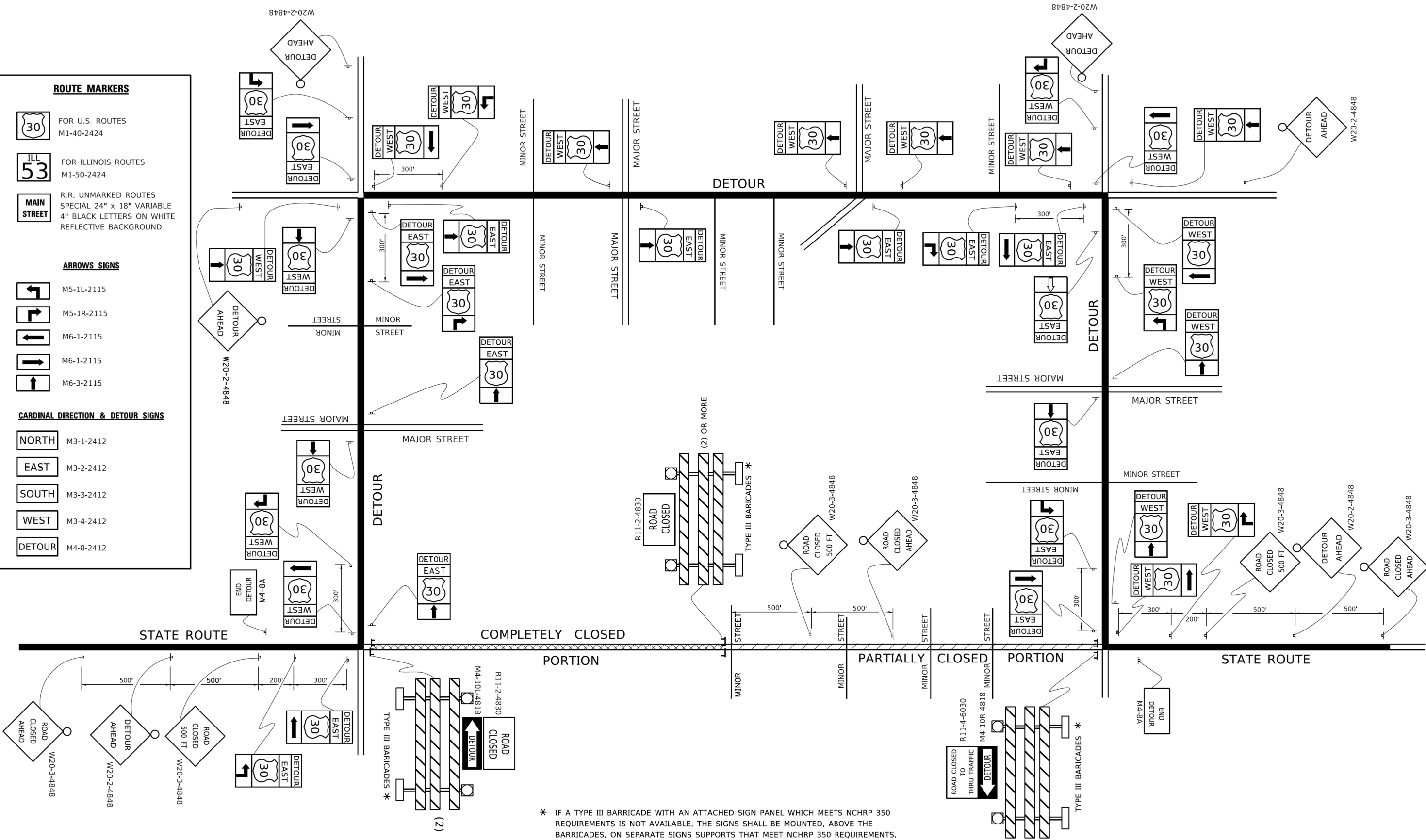
 FOR U.S. ROUTES
M1-40-2424
 FOR ILLINOIS ROUTES
M1-50-2424
 R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

 M5-1L-2115
 M5-1R-2115
 M6-1-2115
 M6-2-2115
 M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

 NORTH M3-1-2412
 EAST M3-2-2412
 SOUTH M3-3-2412
 WEST M3-4-2412
 DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
	DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

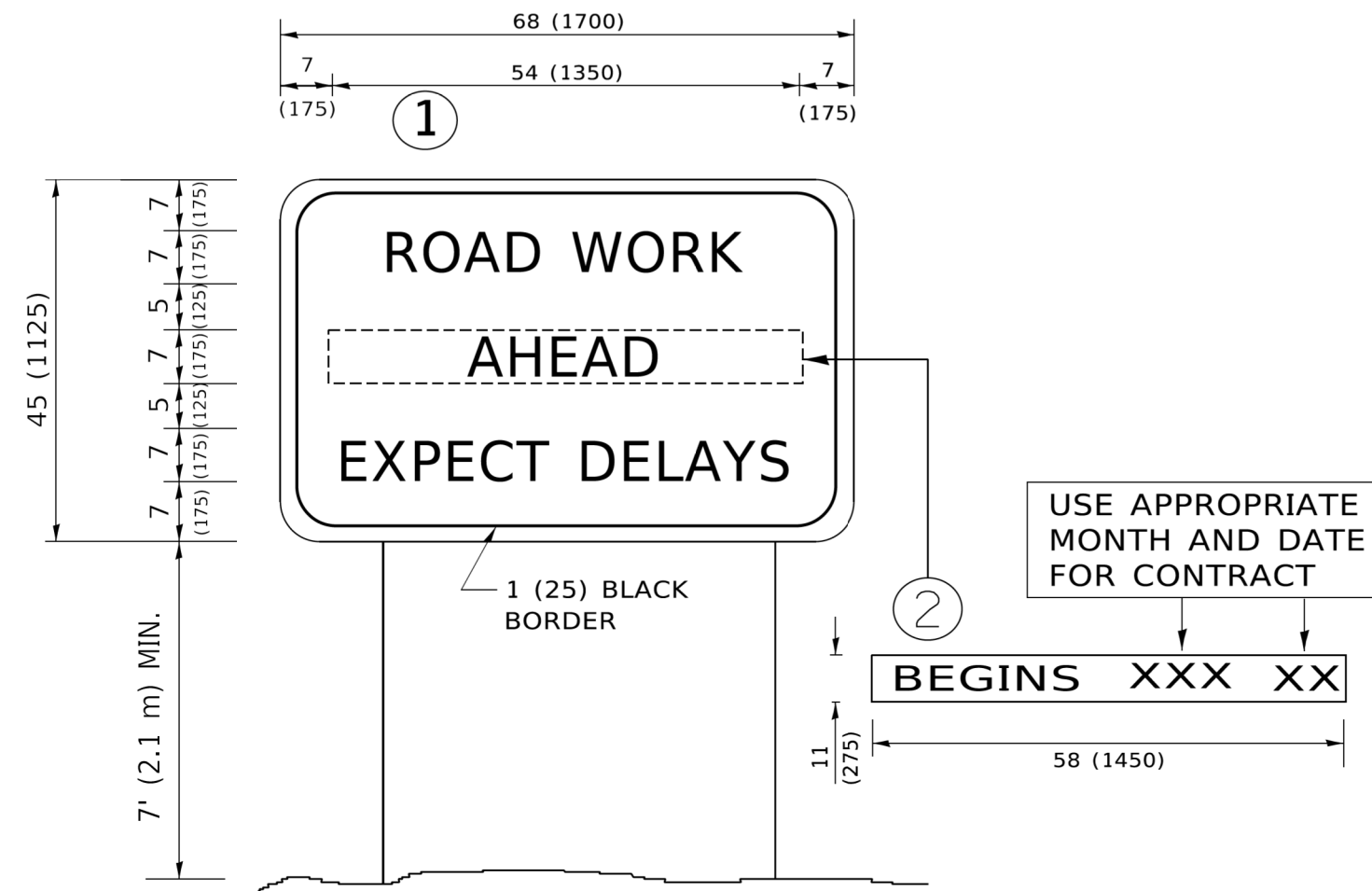
**DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	122
TC-21			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2021 11:28:19 AM
 FILE NAME: 190567-sh1-details-TC22.dgn
 PLOT DRIVER: #PLOT DRIVER#
 PLOT DATE: 3/4/2019

PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2021 11:28:19 AM
 FILE NAME: 190567-sh1-details-TC22.dgn
 PLOT DRIVER: #PLOT DRIVER#
 PLOT DATE: 3/4/2019



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.

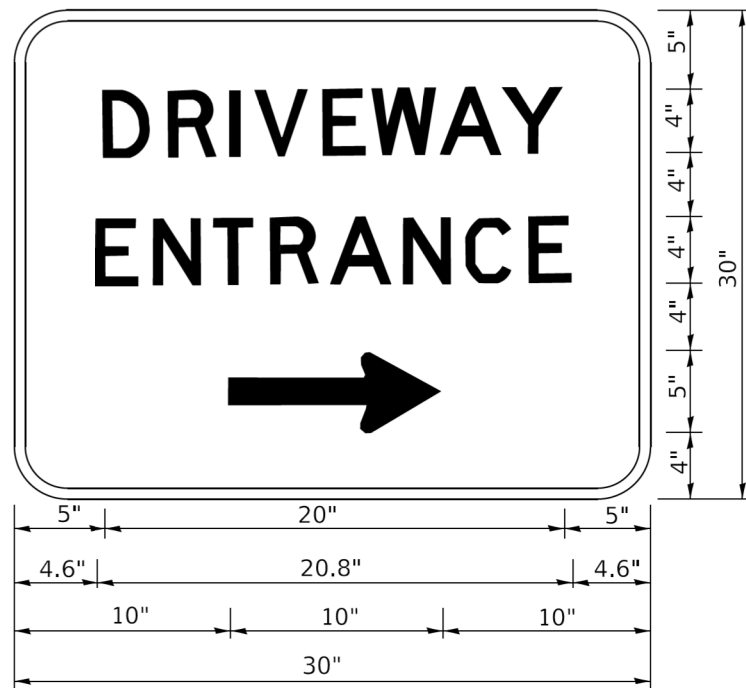
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 1 OF 1 SHEETS		STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	123
TC-22		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2019 11:28:28 AM
 FILE NAME: 190567-sh1-details-TC26.dgn
 PLOT DRIVER: #PLOT DRIVER#
 PLOT DATE: 8/18/2019 11:28:28 AM

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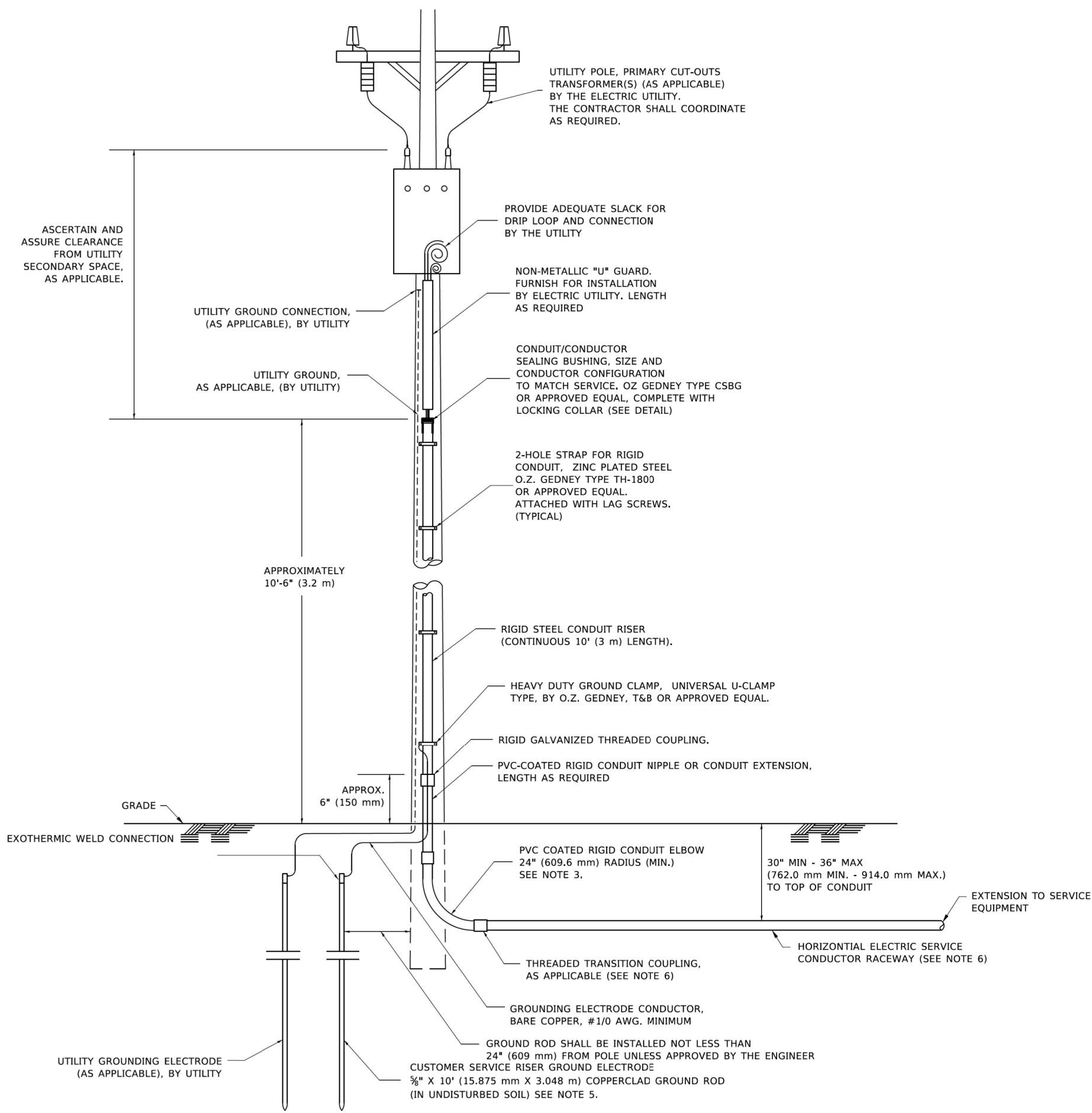
USER NAME = footemj	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	124
TC-26			CONTRACT NO. 61H15	
ILLINOIS FED. AID PROJECT				

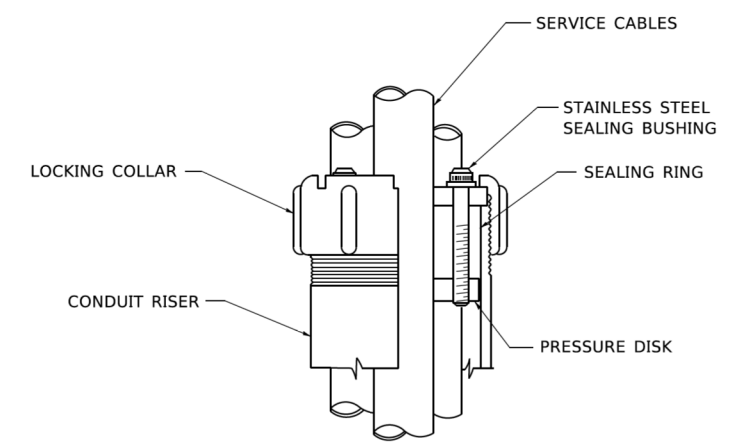


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 8/18/2021 11:28:38 AM
 FILE NAME: 190567-shr-details-BE220.dgn
 PLOT DRIVER: #PLOT DRIVER#
 PLOT DATE: 4/19/2019

USER NAME = footemj	DESIGNED -	REVISED - 03-03-06
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / ft.	CHECKED - MEA	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT**

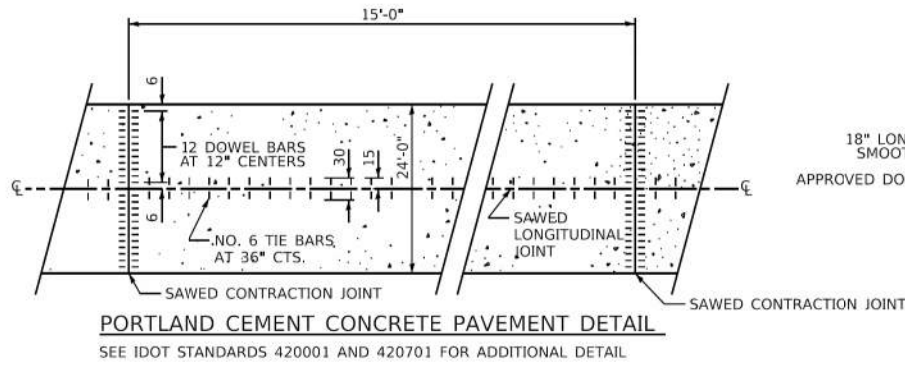
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BE-220		CONTRACT NO. 61H15		
ILLINOIS FED. AID PROJECT				

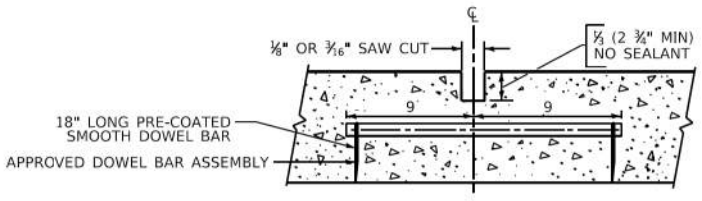
DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
CARD FILE NAME	
PLAN	
NOTE BOOK NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE	
NOT AT THIS OFFICE	
PROFILE	
NOTE BOOK NO.	

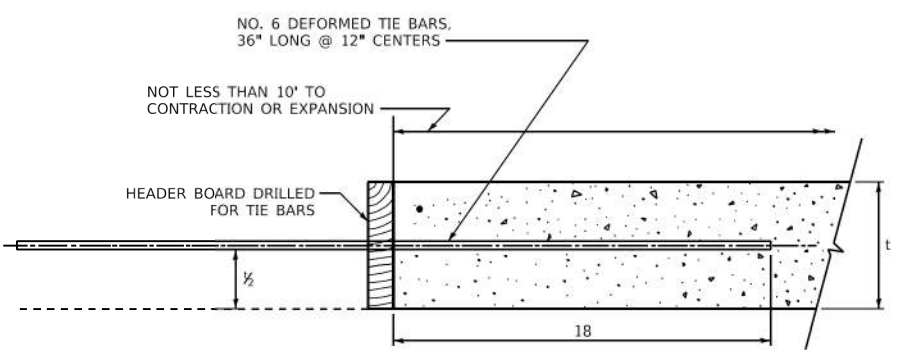
HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-smt-d@hr-green.com
 FILE NAME: 190567-smt-d@hr-green.com
 PEN TABLE: 190567-smt-d@hr-green.com



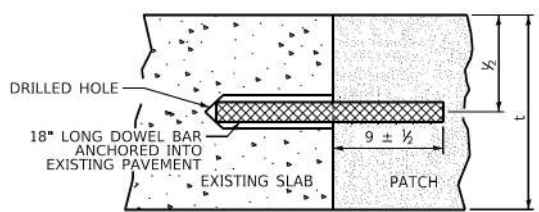
PORTLAND CEMENT CONCRETE PAVEMENT DETAIL
 SEE IDOT STANDARDS 420001 AND 420701 FOR ADDITIONAL DETAIL



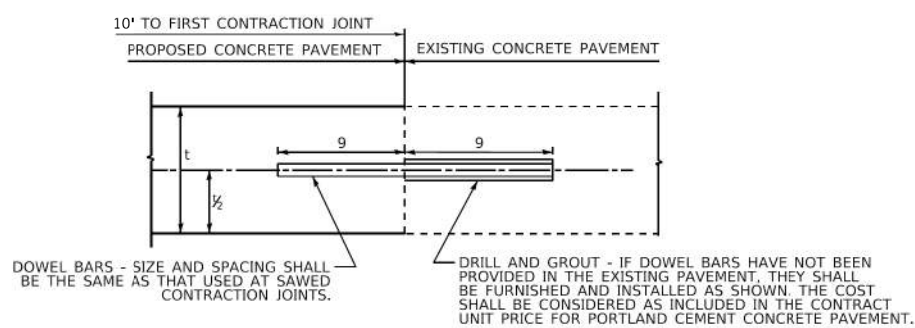
CONTRACTION JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT DETAIL



TRANSVERSE JOINT DETAIL



JOINT DETAIL AT CONTRACT TERMINAL(S)

NOTES (SUPPLEMENTAL TO IDOT STANDARDS)

STANDARDS 606101, 606201 AND 606006 - TYPE A GUTTER, TYPE B GUTTER AND OUTLET FOR CURB AND GUTTER
 CONCRETE INLETS, ENTRANCES AND OUTLETS FOR GUTTER OR COMBINATION CURB AND GUTTER SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR THE PARTICULAR TYPE OF GUTTER OR COMBINATION CURB AND GUTTER SPECIFIED.

STANDARD 606001 - CURB AND COMBINATION CURB AND GUTTER
 WHERE EXISTING CURB AND GUTTER IS TO BE REMOVED AND REPLACED ADJACENT TO EXISTING CONCRETE PAVEMENT REMAINING IN PLACE, THE CONTRACTOR SHALL PERFORM THE REMOVAL SO THAT THE EXISTING TIE BARS CAN BE USED IN TYING THE NEW CURB AND GUTTER TO THE EXISTING PAVEMENT. ANY TIE BARS WHICH ARE DAMAGED OR MISSING SHALL BE REPLACED WITH EXISTING PAVEMENT, ANY TIE BARS WHICH ARE DAMAGED OR MISSING SHALL BE REPLACED WITH NO. 6 TIE BARS, 24" LONG, EMBEDDED 8" AT 36" CENTERS IN ACCORDANCE WITH THE ARTICLE 420.05 (B) OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TIE BARS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PARTICULAR TYPE OF CURB AND GUTTER SPECIFIED.

THE DEPTH OF THE CURB OR COMBINATION CURB AND GUTTER SHALL BE EQUIVILANT TO THE DEPTH OF THE ADJACENT PAVEMENT, REGARDLESS OF PAVEMENT COMPOSITION.

STANDARD 353001 - PCC BASE WITH HOT MIX ASPHALT BINDER AND SURFACE COURSE
 TIE BARS SHALL BE NO. 6 SPACED AT 36" CENTERS.

STANDARD 420001 - PAVEMENT JOINTS
 JOINTS AND REPLACEMENT BARS SHALL BE PLACED IN ACCORDANCE WITH THE PORTLAND CEMENT CONCRETE PAVEMENT DETAIL SHOWN ON THIS SHEET.

LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.
 TIE BARS SHALL BE NO. 6.

TRANSVERSE SAWED CONTRACTION JOINTS, TRANSVERSE CONSTRUCTION JOINTS AND JOINTS AT CONTRACT TERMINALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS SHEET.

KEYED JOINTS AS SHOWN ON STANDARD 420001 SHALL NOT BE ALLOWED.

STANDARD 442101 - CLASS B PATCHES
 IF SAWED LONGITUDINAL JOINT IS REQUIRED, TIE BARS SHALL BE NO. 6 SPACED AT 36" CENTERS.

STANDARDS 442201 - CLASS C AND D PATCHES
 CLASS C PATCHES SHALL BE TIED TO THE EXISTING PAVEMENT ALONG ALL SIDES OF THE PATCH WITH NO. 6 TIE BARS, 24" LONG, EMBEDDED 8" AT 36" CENTERS IN ACCORDANCE WITH ARTICLE 420.05 (B) OF THE STANDARD SPECIFICATIONS, MINIMUM 3 BARS ON EACH SIDE. THE COST OF FURNISHING AND INSTALLING THE TIE BARS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR CLASS C PATCHES.

GENERAL NOTES:

THE INTENT OF THIS STANDARD IS TO REFLECT ADDITIONS OR VARIATIONS TO IDOT STANDARDS CONTAINED IN THE PLANS.
 THIS STANDARD SHALL GOVERN OVER THE IDOT STANDARDS.
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

DETAIL NOTES

SEE IDOT STANDARDS FOR DETAILS NOT SHOWN.
 ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE SHOWN.
 ALL TIE BAR SIZES ARE STANDARD.
 t = PAVEMENT THICKNESS

MUNICIPALITY, IL	COUNTY HIGHWAY:	XXX		COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: XXX	REVISIONS	DATE	CONSTRUCTION OF PAVT & PAVT APPURTENANCES (SUPPLEMENTAL TO IDOT) COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD C-001	NOT TO SCALE SHEET
MUNICIPALITY, IL	FISCAL YEAR:	XXXX			DRAWN: XXX	GENERAL	1/1/20		
NAME TOWNSHIP	SECTION:	XX-XXXX-XX-XX			CHECKED: XXX				

USER NAME = jhorwit	DESIGNED -	REVISED - 9/17/2021
	DRAWN -	REVISED -
PLOT SCALE = 2.2000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION OF PAVT & PAVT APPURTENANCES (SUPPLEMENTAL TO IDOT)
COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
STANDARD C-001

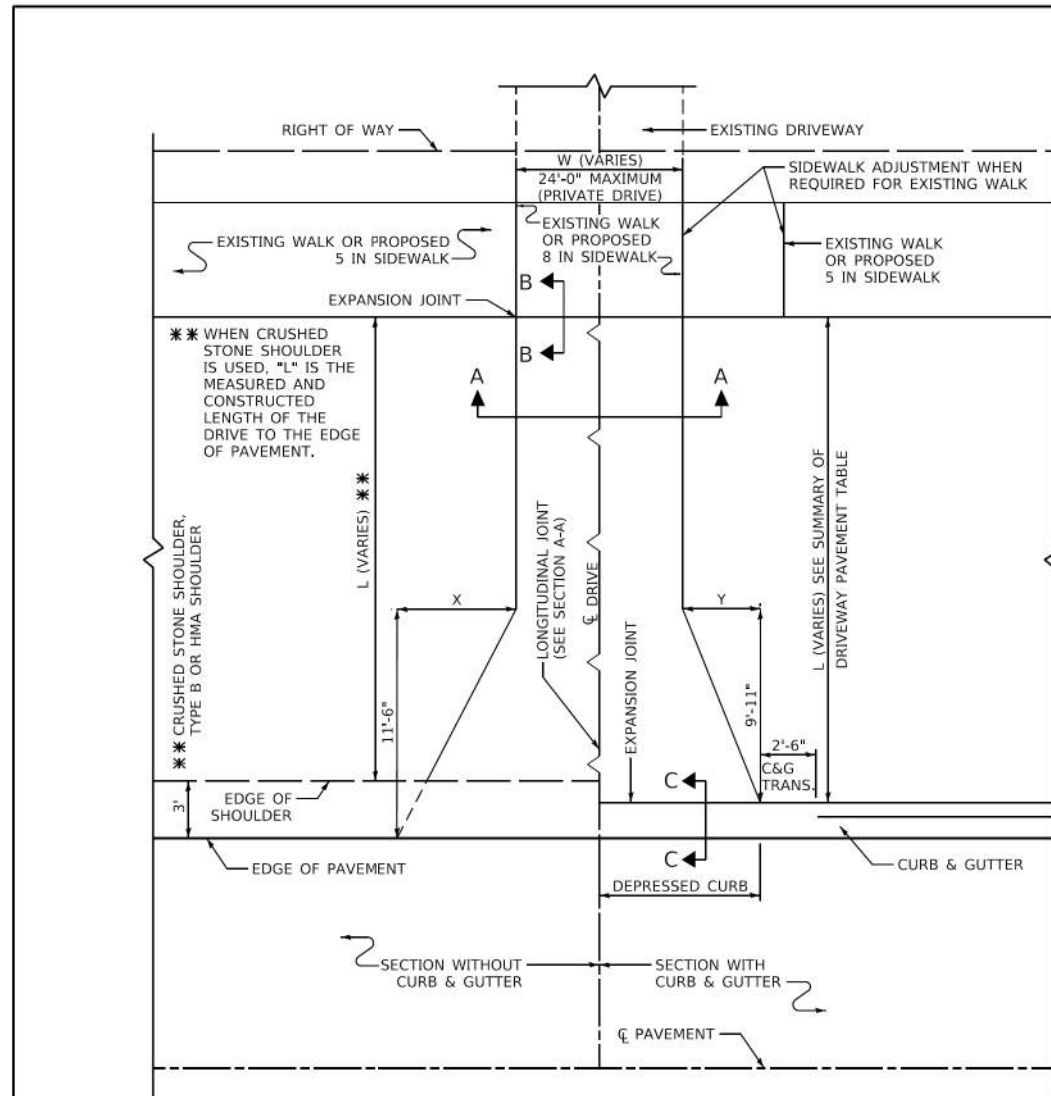
F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	126
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H16



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	GRADES CHECKED
	ALIGNMENT CHECKED
	STRUCTURE NOT AT THIS OFFICE
	NO. _____
	NO. _____
	NO. _____

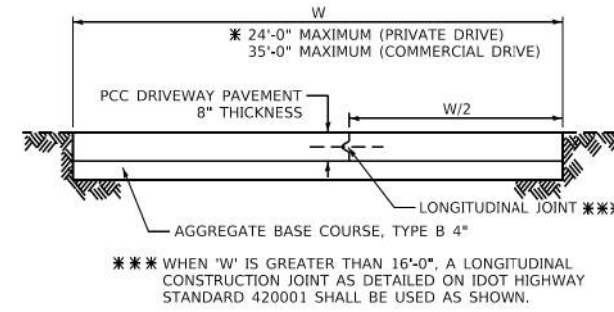
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BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	ALIGNMENT CHECKED
	STRUCTURE NOT AT THIS OFFICE
	NO. _____
	NO. _____
	NO. _____

HRG PROJECT NO.: 190567
 HRG PROJ. CONTACT: 190567-217-d@hr.com
 FILE NAME: 190567-217-d@hr.com
 PEN TABLE: 190567-217-d@hr.com

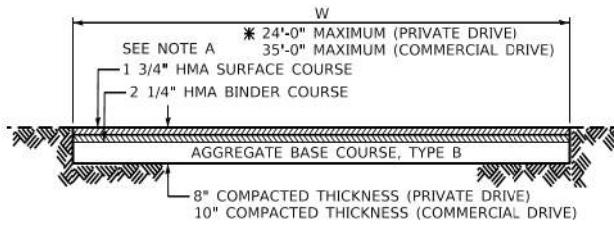


DETAIL OF PRIVATE DRIVE

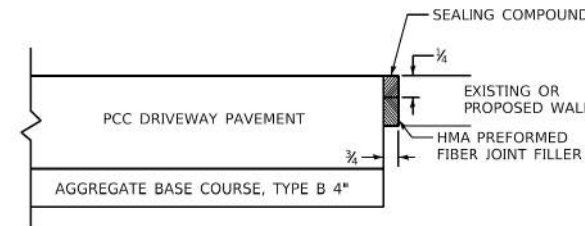
STATION	"L"	"W"	SO YD PCC DRIVEWAY PAVEMENT	SO YD HMA DRIVEWAY PAVEMENT
611+20	15.9	30.7		53.2
611+40	14.0	38.0		66.6
613+20	7.0	30.0		23.5
616+20	4.5	33.0		16.4
616+44	14.7	28.0	51.2	
617+29	12.4	29.1	45.7	
618+90	13.5	26.1	42.0	2.8
619+60	14.3	24.4	2.7	40.3
620+23	18.8	24.0		48.0
620+93	21.5	18.3		42.8
621+50	22.6	13.0		37.1



SECTION A-A PCC DRIVEWAY

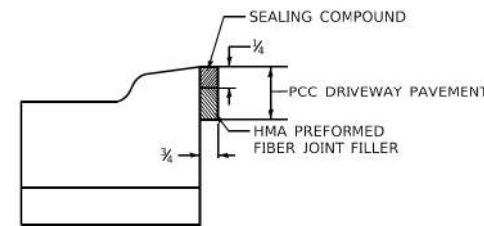


SECTION A-A HMA DRIVEWAY



SECTION B-B

THE EXPANSION JOINT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PORTLAND CEMENT CONCRETE SIDEWALK OR PER SQUARE YARD FOR PORTLAND CEMENT CONCRETE DRIVEWAY.



SECTION C-C

GUIDE FOR DRIVEWAY LENGTH

- MEET EXISTING WALK (USE JOINT FOR PCC PAVEMENT SECTION B-B)
- IF THERE IS NO EXISTING OR PROPOSED WALK, EXTEND TO RIGHT OF WAY LINE
- IF THERE IS NO EXISTING WALK BUT A PROPOSED WALK IS REQUIRED, CONSTRUCT 8 INCH WALK FOR FULL DRIVEWAY WIDTH (SECTION B-B)
- IF THERE IS A WALK ADJUSTMENT, CONSTRUCT 8" WALK FOR FULL DRIVEWAY WIDTH AND 5" WALK BEYOND.

QUANTITIES SHALL BE COMPUTED ON THE BASIS OF THE DRIVES EXTENDING TO SIDEWALK OR RIGHT OF WAY LINE AS SHOWN ON THE PLANS. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE FIELD ENGINEER TO DETERMINE THE ACTUAL LIMITS OF EACH INSTANCE.

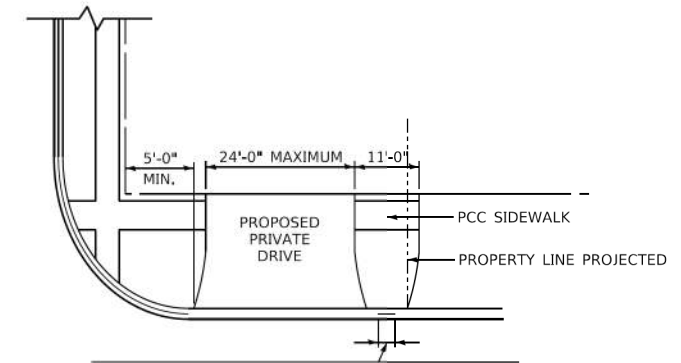
CHART

FOR DRIVEWAY WIDTH - W (FT) *	X (FT)	Y (FT)
12	6.0	4.2
14 - 16	4.9	3.4
17 - 18	4.0	2.9
OVER 18	3.2	2.3

* PRIVATE DRIVES: 12'-0" MINIMUM, 24'-0" MAXIMUM
 COMMERCIAL DRIVES: 12'-0" MINIMUM, 24'-0" MAXIMUM FOR 1-WAY OPERATION
 24'-0" MINIMUM, 35'-0" MAXIMUM FOR 2-WAY OPERATION

MAXIMUM DRIVEWAY SLOPE

PROPERTY	URBAN	RURAL	RURAL (PERMIT WORK ONLY)
COMMERCIAL	6%	6%	10%
NON-COMMERCIAL	8%	8%	12%



DESIRABLE DISTANCE OF FULL CURB HEIGHT BETWEEN ADJACENT DRIVES SHALL BE 6'-0". IT IS DESIRABLE THAT THE DRIVE RETURNS TERMINATE WITHIN THE PROPERTY LINE AS PROJECTED.

LIMITATIONS UPON PRIVATE DRIVES

AT STREET INTERSECTIONS
 MAXIMUM WIDTH & MINIMUM DISTANCE BETWEEN DRIVES

NOTE A

FOR HMA DRIVEWAYS: AS AN ALTERNATE TO THE 1 3/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70, AND THE 2 1/4" HOT-MIX ASPHALT CONCRETE BINDER COURSE, IL-19, N70 4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5 N70 MAY BE USED. IN THE EVENT THE CONTRACTOR ELECTS TO USE THIS ALTERNATE, THE ADDITIONAL 2 1/4" OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5 N70 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT BINDER COURSE, IL-19, N70.

GENERAL NOTE:

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MUNICIPALITY, IL COUNTY HIGHWAY: XXX
 MUNICIPALITY, IL FISCAL YEAR: XXXX
 NAME TOWNSHIP SECTION: XX-XXXX-XX-XX



COUNTY OF COOK
 DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

COMPUTED: XXX	REVISIONS	DATE
DRAWN: XXX	GENERAL	1/1/20
CHECKED: XXX		

PRIVATE AND COMMERCIAL DRIVE DETAIL
 COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
 STANDARD C-002

NOT TO SCALE SHEET



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 #184-001322

USER NAME = jhorwit	DESIGNED -	REVISED - 9/17/2021
	DRAWN -	REVISED -
PLOT SCALE = 2.2000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/17/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PRIVATE AND COMMERCIAL DRIVE DETAIL
 COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
 STANDARD C-002

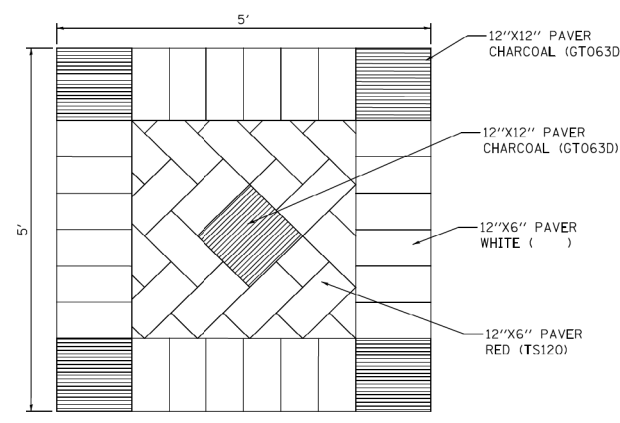
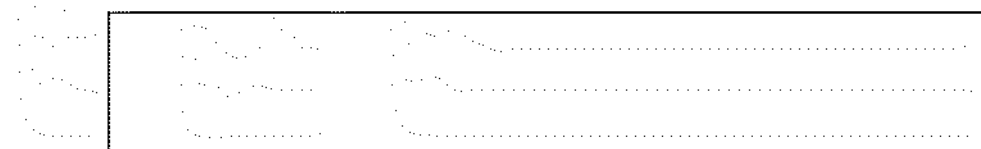
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	127
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H17	

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

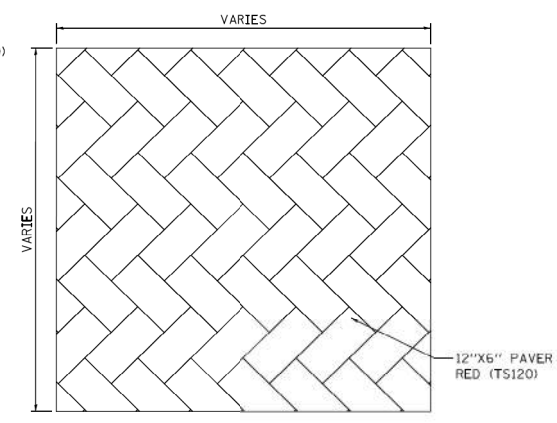
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FILE NAME		
	TABLE		

HRG PROJECT NO.: 190667
 HRG PROJ. CONTACT: 190667-sm-d@hr.com
 FILE NUMBER: 190667-01
 PEN TABLE: 190667-01



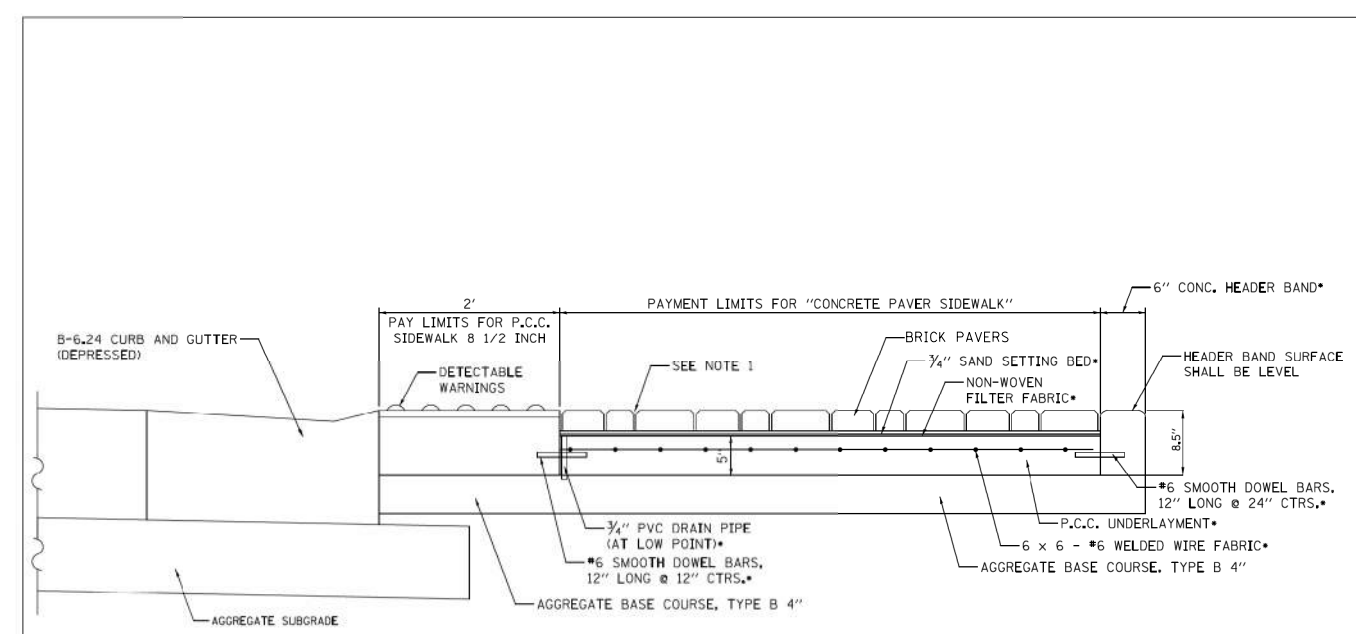
NOTE: ALL PAVERS ARE UNILOCK SERIES 3000

PAVER PATTERN DETAIL - SIDEWALK PATTERN
NOT TO SCALE



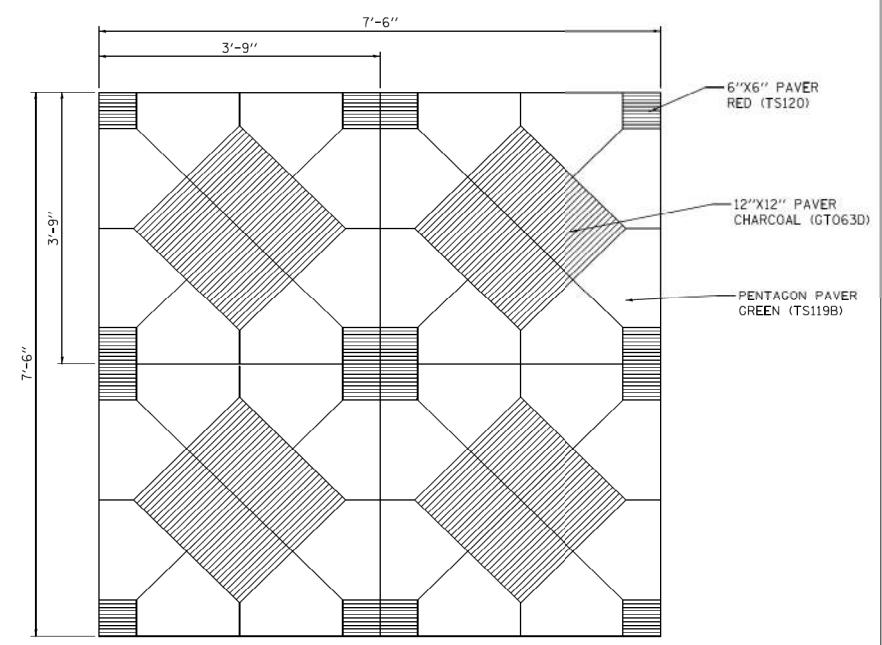
NOTE: ALL PAVERS ARE UNILOCK SERIES 3000

PAVER PATTERN DETAIL - HERRING BONE PATTERN
NOT TO SCALE



CONCRETE PAVER SIDEWALK - CORNER DETAIL
NOT TO SCALE

- NOTES:
- SWEEP SAND INTO JOINTS, MECHANICALLY COMPACT. REPEAT PROCEDURE AFTER 48 HOURS.



NOTE: ALL PAVERS ARE UNILOCK SERIES 3000

PAVER PATTERN DETAIL - FIELD PATTERN
NOT TO SCALE

J:\2016\CD\Drawings\17-Detail\2016-05-17\Detail.dgn

SCHALMBURG, IL SCHALMBURG TOWNSHIP	COUNTY HIGHWAY: V60		COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: TGB	REVISIONS	DATE
	FISCAL YEAR: 2017			DRAWN: TGB	08/05/16	
	SECTION: 14-V6039-02-TL			CHECKED: JRV		

C-13
SCALE: N.T.S. SHEET 30



USER NAME = jhorwit	DESIGNED -	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN -	REVISED -
PLOT DATE = 9/17/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

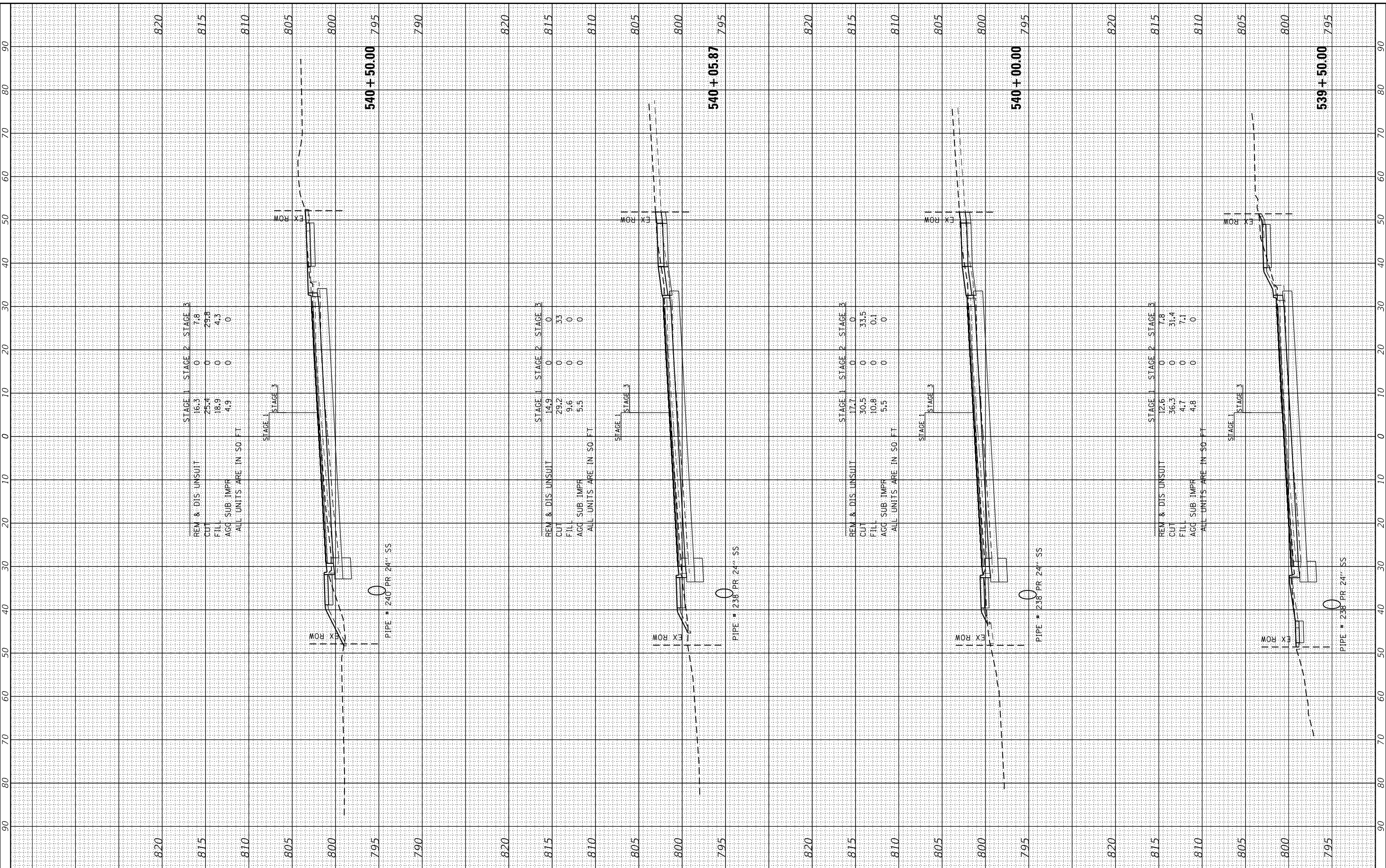
CONCRETE PAVER PATTERN DETAILS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	128A
CONTRACT NO. 61H18				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

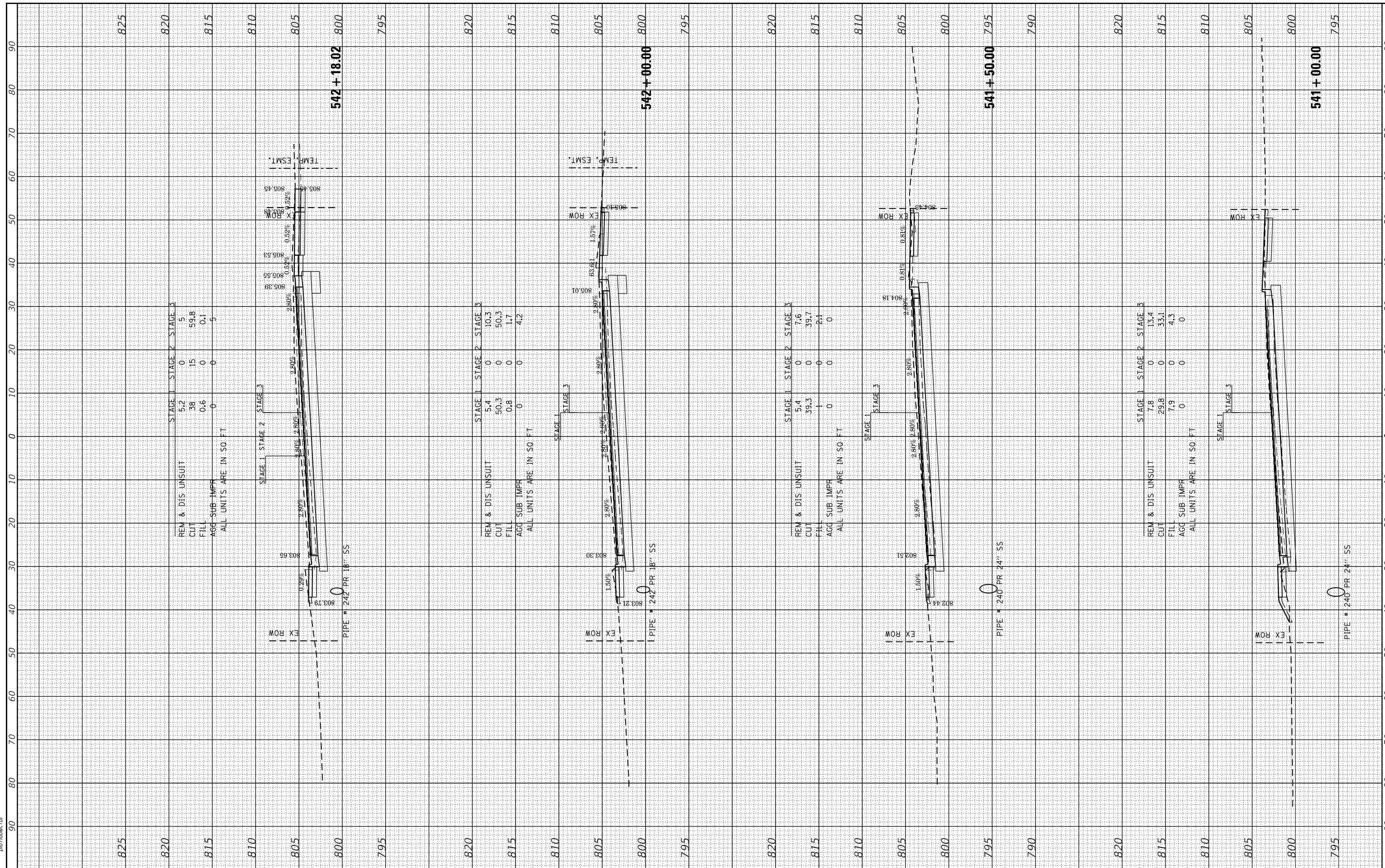
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 FILE NAME: 190567-190567-190567-190567.dwg
 PLOT DRIVER: ilpdfwrtcf9
 PEN TABLE: p19tbl.tbl



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.: 190567
 FILE NAME: 190567-ssst-11.01.dgn
 PLOT DRIVER: ilprof.plt
 PEN TABLE: p19tbl.tbl



USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

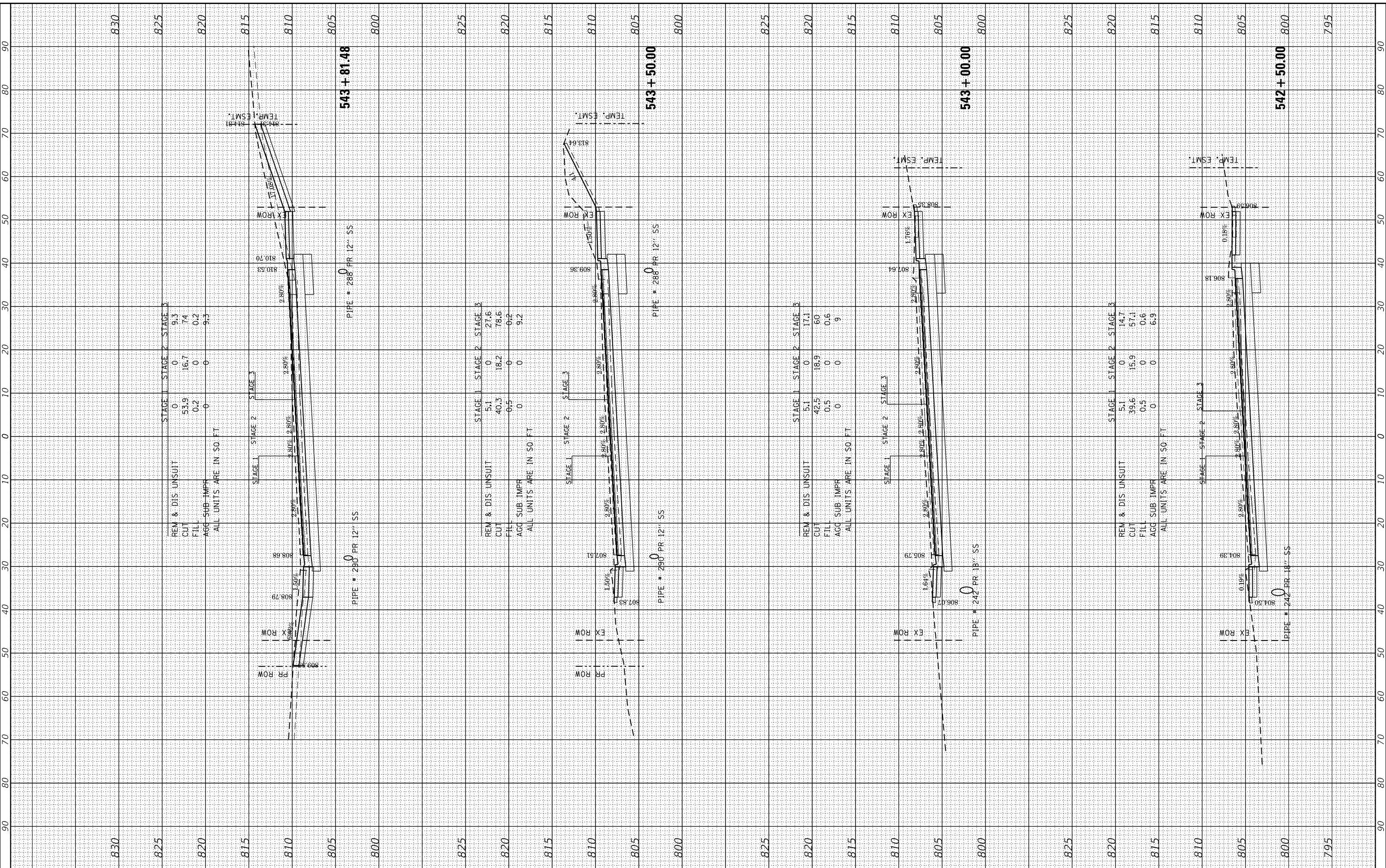
PROPOSED CROSS SECTIONS ILLINOIS ROUTE 19	
SCALE: 10H:5V	SHEET 2 OF 9 SHEETS
STA. 541+00.00	TO STA. 542+18.02

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	130
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

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

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

HRG PROJECT NO: 190567
 FILE NAME: 190567-ssst-11.0.dgn
 PLOT DRIVER: ilpdfwrtcf9
 PEN TABLE: p19tbltbl.tbl



REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	53.9	16.7	7.4
FILL	0.2	0	0.2
AGG SUB IMPR	0	0	9.3

ALL UNITS ARE IN 50 FT

REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	5.1	18.2	27.6
FILL	6.5	0	6.2
AGG SUB IMPR	0	0	9.2

ALL UNITS ARE IN 50 FT

REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	5.1	15.9	14.7
FILL	0.5	0	0.6
AGG SUB IMPR	0	0	6.9

ALL UNITS ARE IN 50 FT

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USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTIONS
 ILLINOIS ROUTE 19

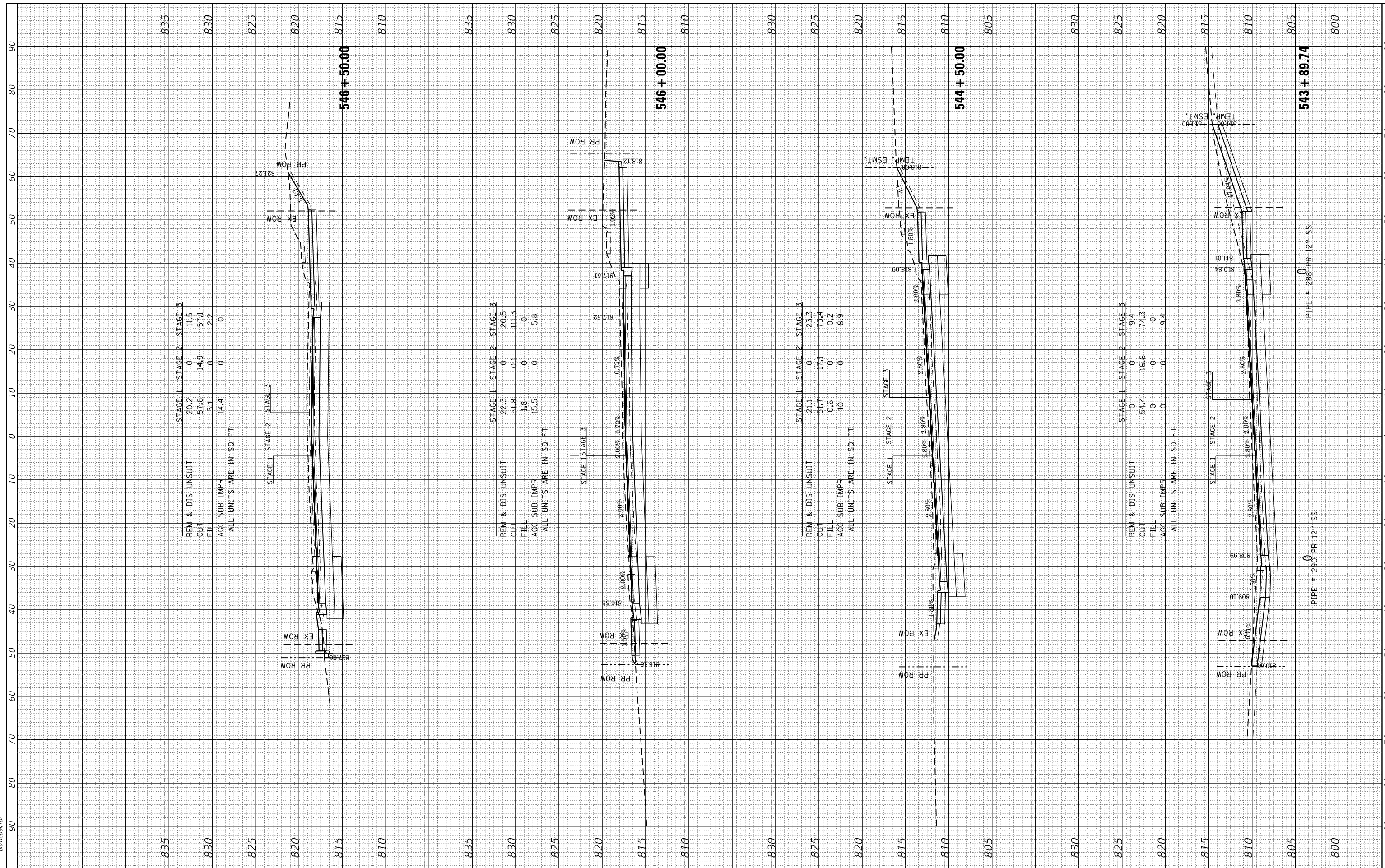
SCALE: 10H:5V SHEET 3 OF 9 SHEETS STA. 542+50.00 TO STA. 543+81.48

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	131
CONTRACT NO. 61H15				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED
BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED
BY	DATE

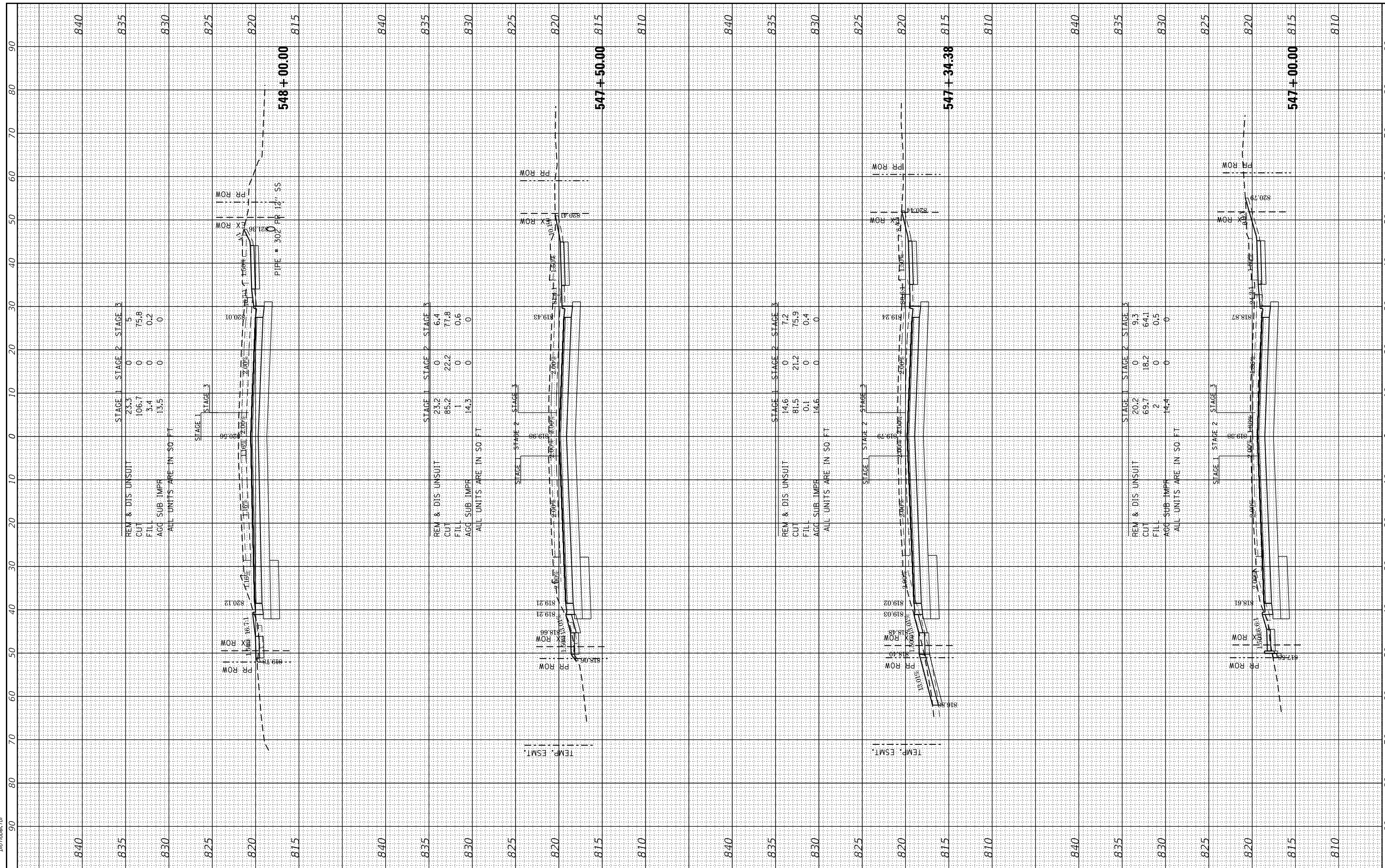
HRG PROJECT NO.: 190567
 FILE NAME: 190567-essn+11.09.dgn
 PLOT DRIVER: ILpdfwprtcf9
 PEN TABLE: p19tblen.tbl



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

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

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essnt-11.09.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PLOT TABLE: p10tbla.tbl



STAGE 1	STAGE 2	STAGE 3
REM & DIS UNSUIT	23.3	0
CUT	106.7	0
FILL	3.4	75.8
AGG SUB IMPR	13.5	0
ALL UNITS ARE IN 50 FT		

STAGE 1	STAGE 2	STAGE 3
REM & DIS UNSUIT	23.2	6.4
CUT	85.2	77.8
FILL	1	0.6
AGG SUB IMPR	14.3	0
ALL UNITS ARE IN 50 FT		

STAGE 1	STAGE 2	STAGE 3
REM & DIS UNSUIT	14.6	7.2
CUT	81.5	75.9
FILL	0.1	0.4
AGG SUB IMPR	14.6	0
ALL UNITS ARE IN 50 FT		

STAGE 1	STAGE 2	STAGE 3
REM & DIS UNSUIT	20.2	9.3
CUT	69.7	64.1
FILL	2	0.5
AGG SUB IMPR	14.4	0
ALL UNITS ARE IN 50 FT		



USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

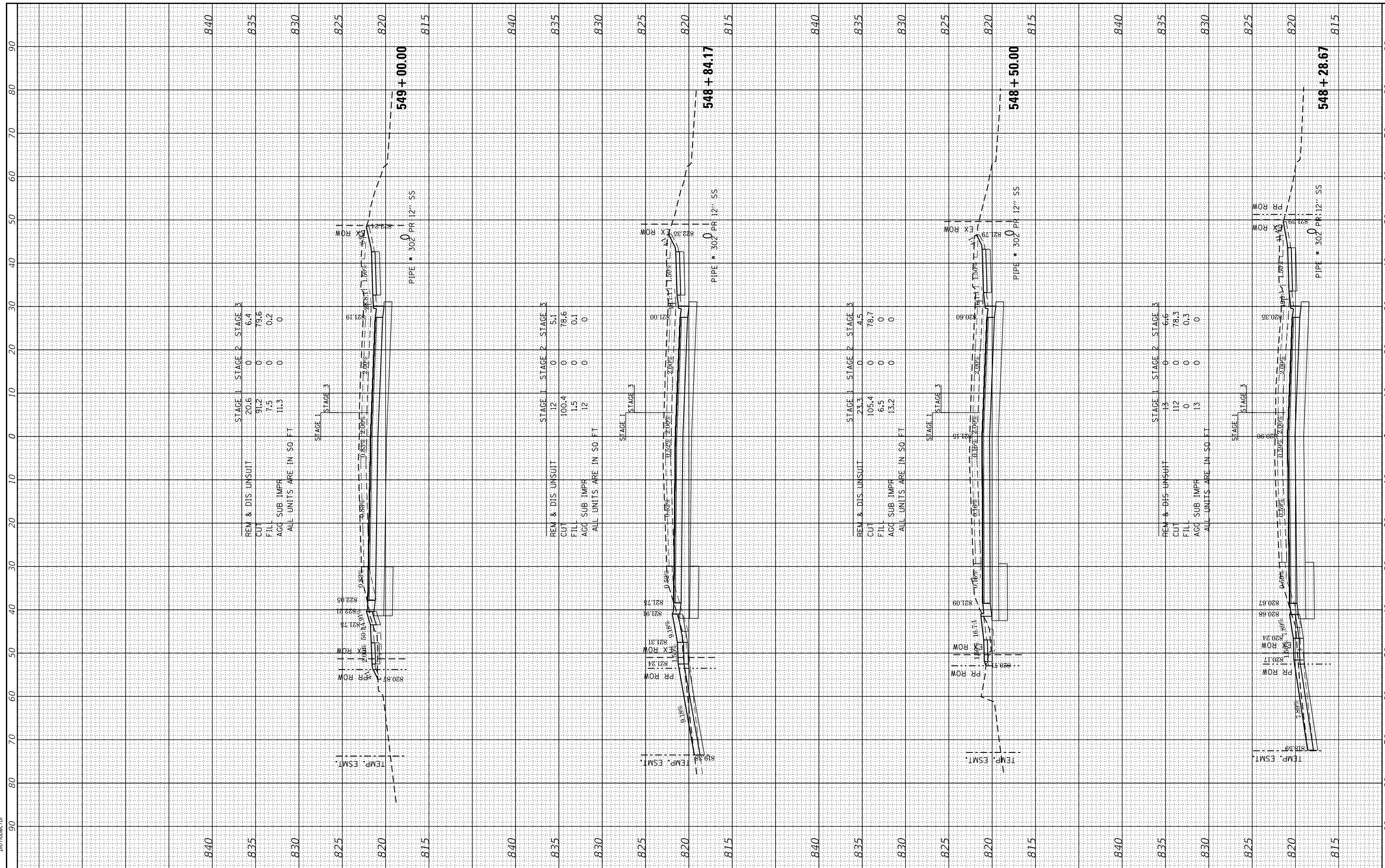
PROPOSED CROSS SECTIONS ILLINOIS ROUTE 19		
SCALE: 10H:5V	SHEET 5 OF 9 SHEETS	STA. 547+00.00 TO STA. 548+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	133
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

BY	DATE

BY	DATE

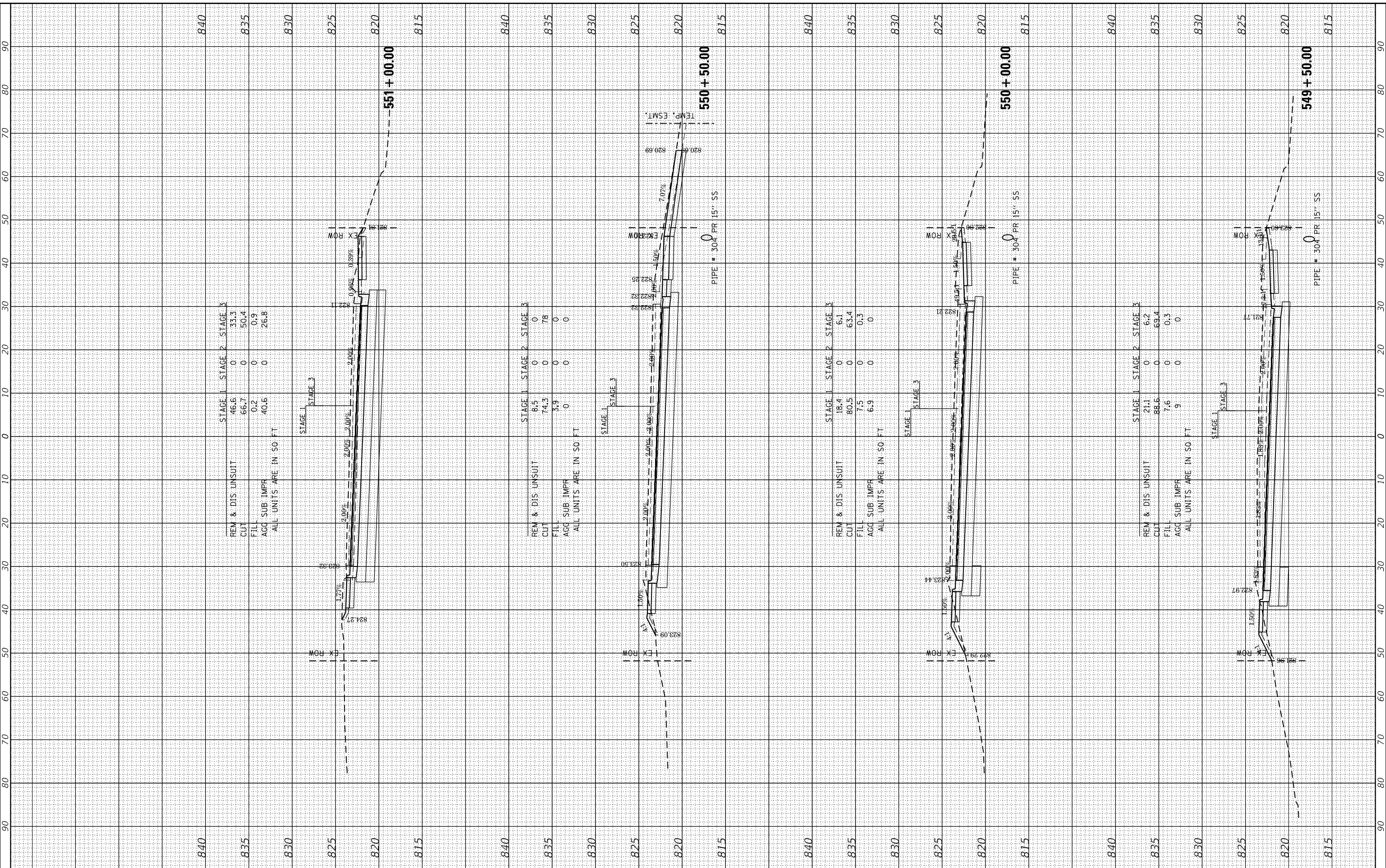
HRG PROJECT NO.: 090667
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 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: plottbl.tbl



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

HRG PROJECT NO.: 090667
 FILE NAME: 090667-essnt-11.09.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p01tbla.tbl

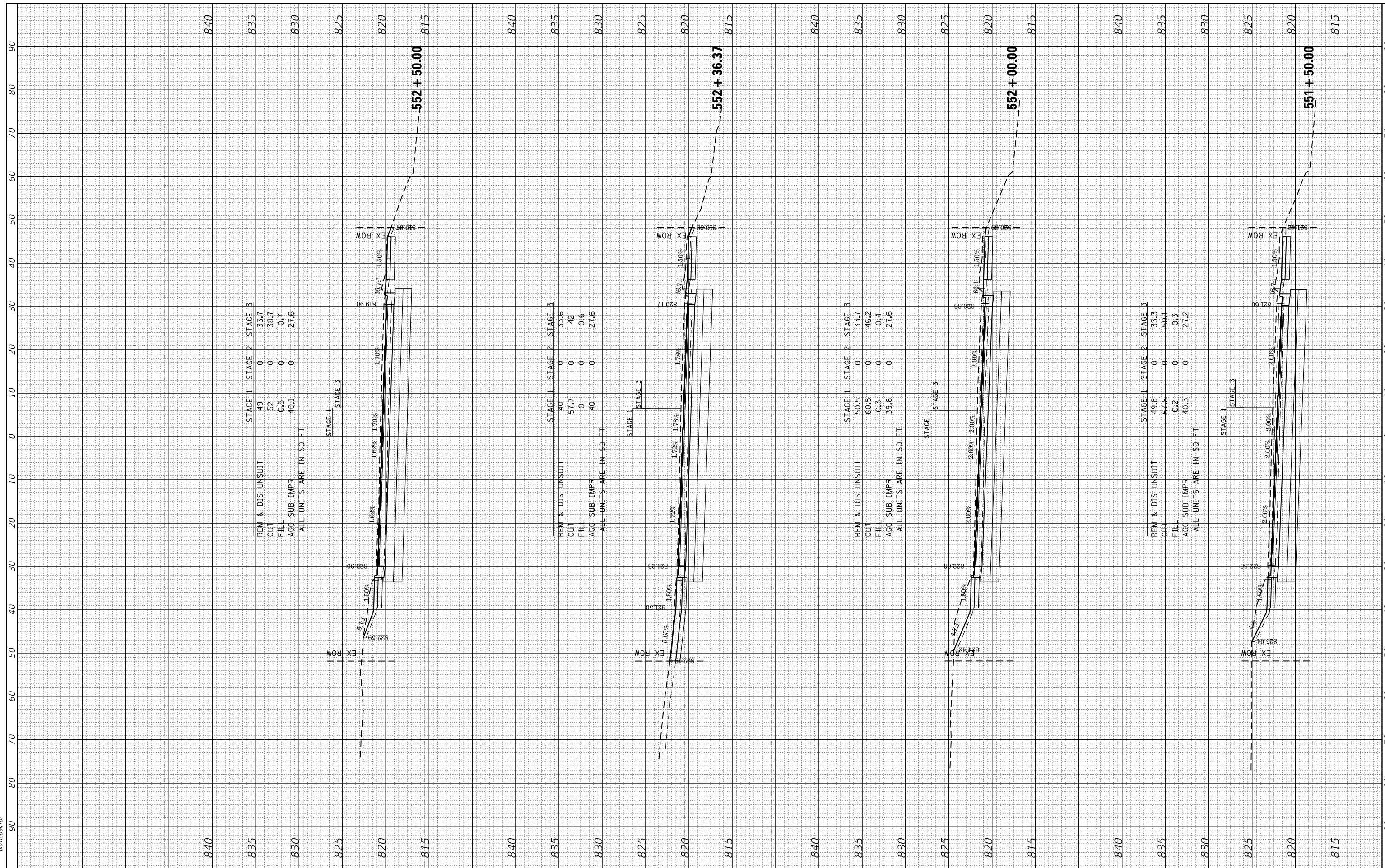


	USER NAME = dstanz PLOT SCALE = 20.0000' / in. PLOT DATE = 8/18/2021	DESIGNED - JRM DRAWN - DMS CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS ILLINOIS ROUTE 19	SCALE: 10H:5V SHEET 7 OF 9 SHEETS STA. 549+50.00 TO STA. 551+00.00	F.A.U. RTE. 1321 SECTION NO. 10-00055-01-WR COUNTY COOK TOTAL SHEETS 148 SHEET NO. 135	CONTRACT NO. 61H15
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essn+11.03.dgn
 PLOT DRIVER: ilpdfwprtcfg
 PEN TABLE: p19tbltbl.tbl



REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	49	0	33.7
FILL	52	0	38.7
AGG SUB IMPR	0.5	0	0.7
AGG SUB IMPR	-10.1	0	27.6

ALL UNITS ARE IN 50 FT

REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	40	0	33.6
FILL	57.7	0	42
AGG SUB IMPR	0	0	0.6
AGG SUB IMPR	40	0	27.6

ALL UNITS ARE IN 50 FT

REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	50.5	0	33.7
FILL	60.5	0	46.2
AGG SUB IMPR	0.3	0	0.4
AGG SUB IMPR	39.6	0	27.6

ALL UNITS ARE IN 50 FT

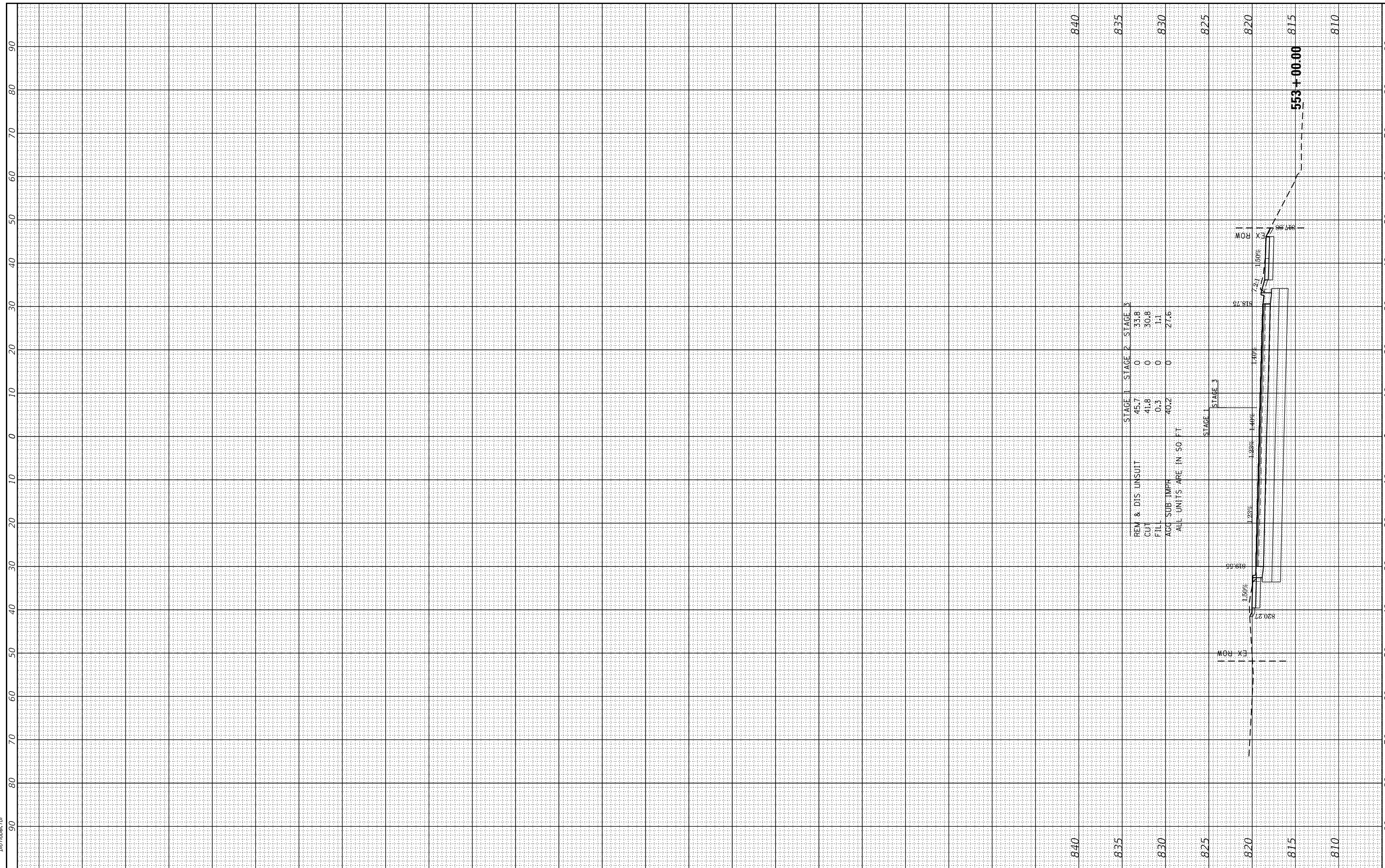
REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	49.8	0	33.3
FILL	67.8	0	50.1
AGG SUB IMPR	0.2	0	0.3
AGG SUB IMPR	40.3	0	27.2

ALL UNITS ARE IN 50 FT

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: 190567
 FILE NAME: 190567-essn+11.19.dgn
 PLOT DRIVER: ilpdfwprtcfg
 PEN TABLE: p10tbl.tbl



USER NAME = dstancz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTIONS
ILLINOIS ROUTE 19

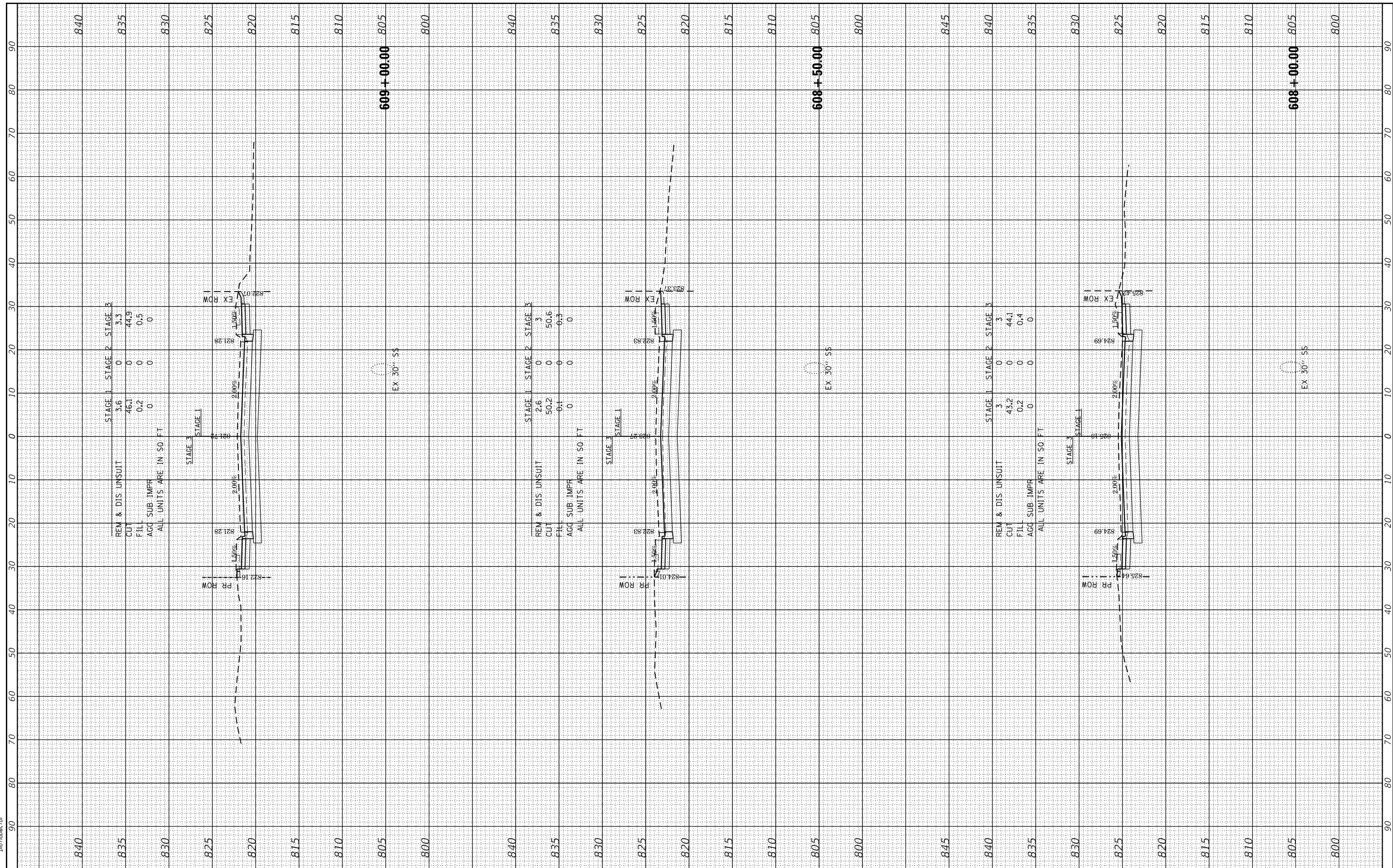
SCALE: 10H:5V SHEET 9 OF 9 SHEETS STA. 553+00.00 TO STA. 553+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	137
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwprtcfg
 PEN TABLE: p01tbla.tbl



STAGE 1	STAGE 2	STAGE 3
3.6	0	3.3
46.1	0	44.9
0.2	0	0.5
0	0	0
ALL UNITS ARE IN 50 FT		

STAGE 1	STAGE 2	STAGE 3
2.6	0	3
50.2	0	50.6
0.1	0	0.3
0	0	0
ALL UNITS ARE IN 50 FT		

STAGE 1	STAGE 2	STAGE 3
3	0	3
43.2	0	44.1
0.2	0	0.4
0	0	0
ALL UNITS ARE IN 50 FT		



USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTIONS
 BARTLETT ROAD

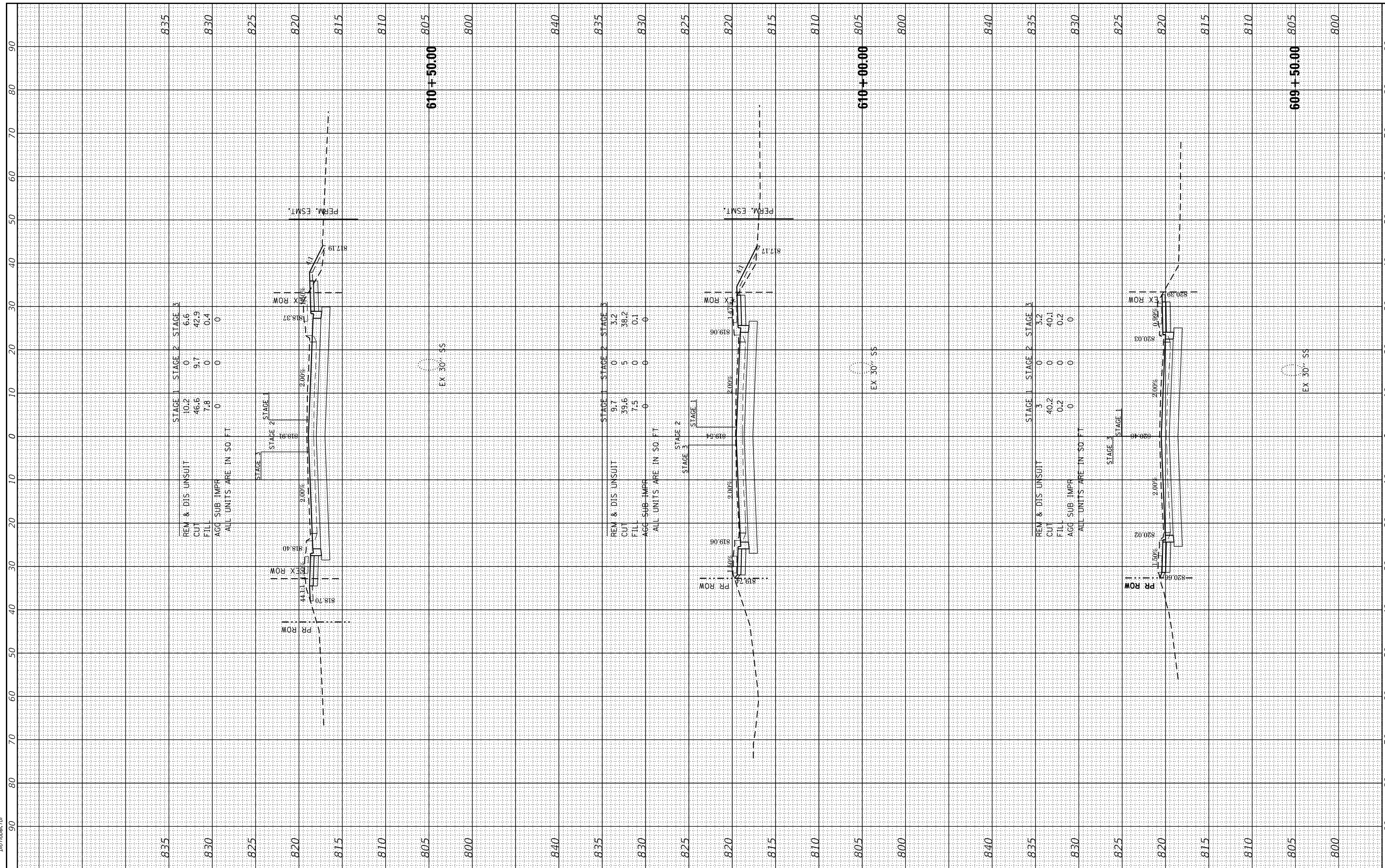
SCALE: 10H:5V SHEET 1 OF 11 SHEETS STA. 608+00.00 TO STA. 609+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	138
CONTRACT NO.			61H15	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p19tbl.tbl



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 #184-001322

USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 BARTLETT ROAD**

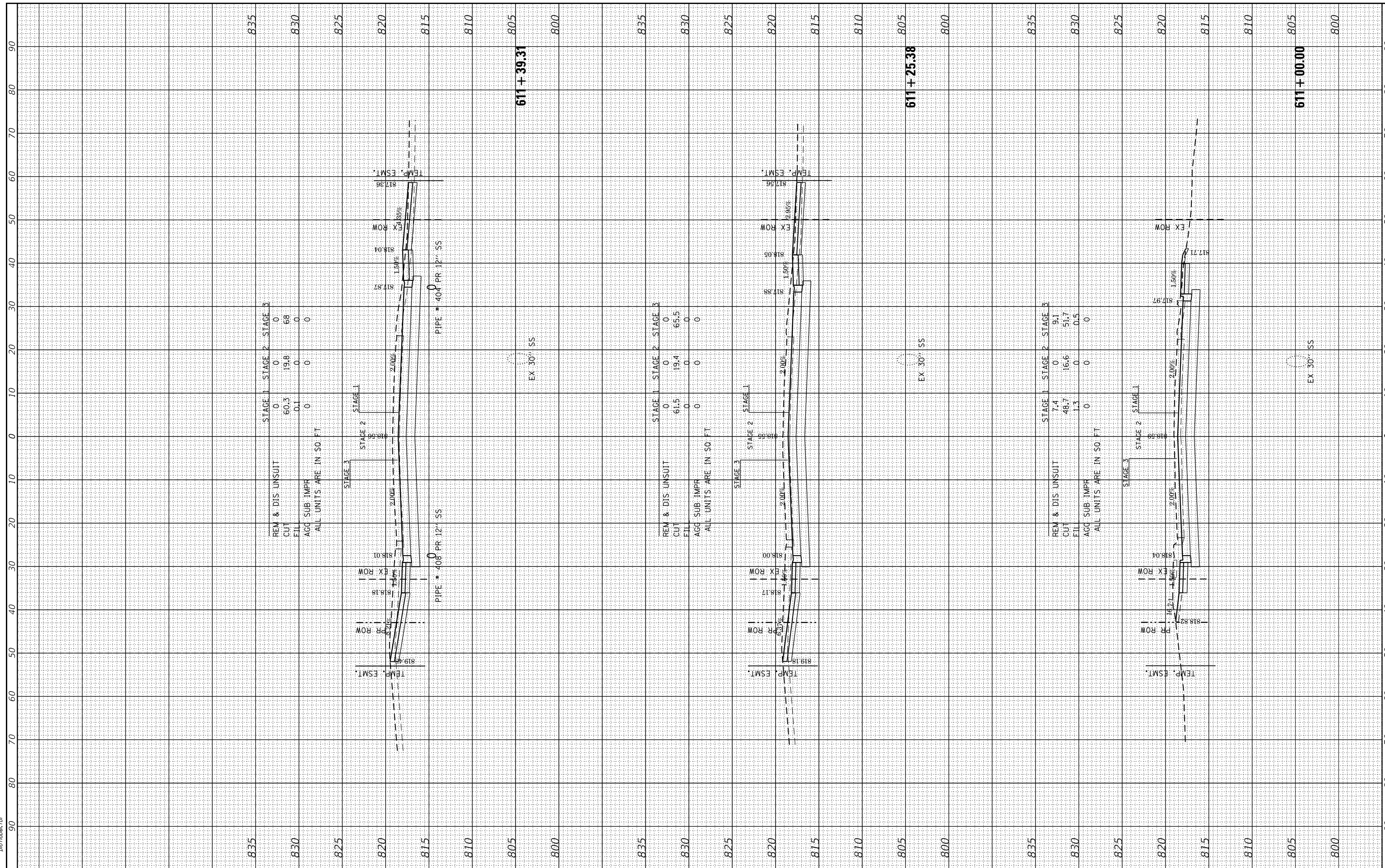
SCALE: 10H:5V SHEET 2 OF 11 SHEETS STA. 609+50.00 TO STA. 610+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	139
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61H15

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

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

HRG PROJECT NO.: 090667
 FILE NAME: 090667-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwprtcfg
 PEN TABLE: p01tbla.tbl



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 #184-001322

USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 BARTLETT ROAD**

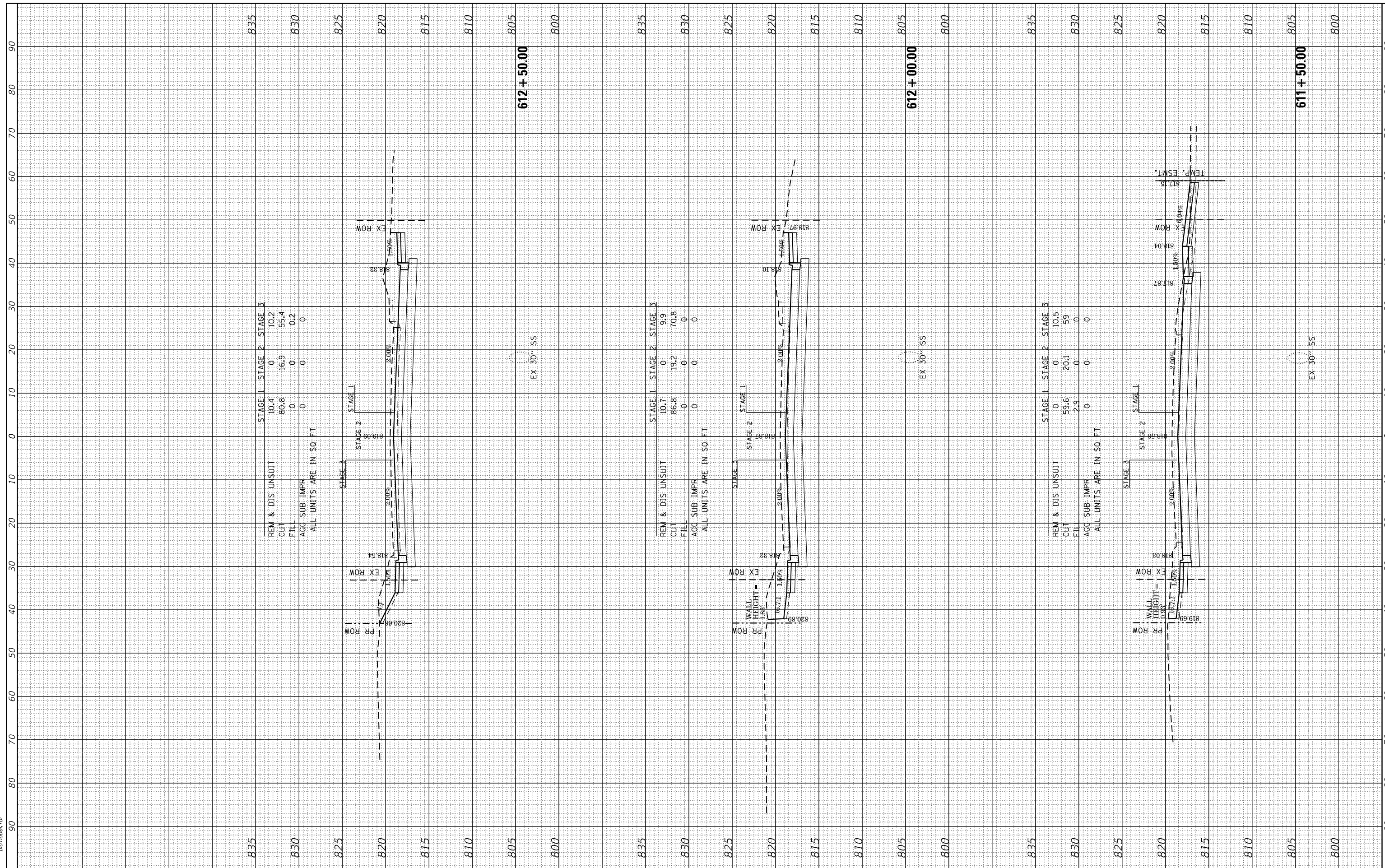
SCALE: 10H:5V SHEET 3 OF 11 SHEETS STA. 611+00.00 TO STA. 611+39.31

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	140
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p19tbl.tbl



REM & DIS UNSUIT
 CUT 10.4
 FIL 60.8
 AGG SUB: 1MPH
 ALL UNITS ARE IN 50 FT

STAGE 1	STAGE 2	STAGE 3
0	0	10.2
16.9	55.4	0
0	0	0.2
0	0	0

REM & DIS UNSUIT
 CUT 10.7
 FIL 86.8
 AGG SUB: 1MPH
 ALL UNITS ARE IN 50 FT

STAGE 1	STAGE 2	STAGE 3
0	0	9.9
19.2	70.8	0
0	0	0
0	0	0

REM & DIS UNSUIT
 CUT 0
 FIL 59.6
 AGG SUB: 1MPH
 ALL UNITS ARE IN 50 FT

STAGE 1	STAGE 2	STAGE 3
0	0	10.5
20.1	59	0
0	0	0
0	0	0

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = dstanz	DESIGNED - JRM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DMS	REVISED -
PLOT DATE = 8/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

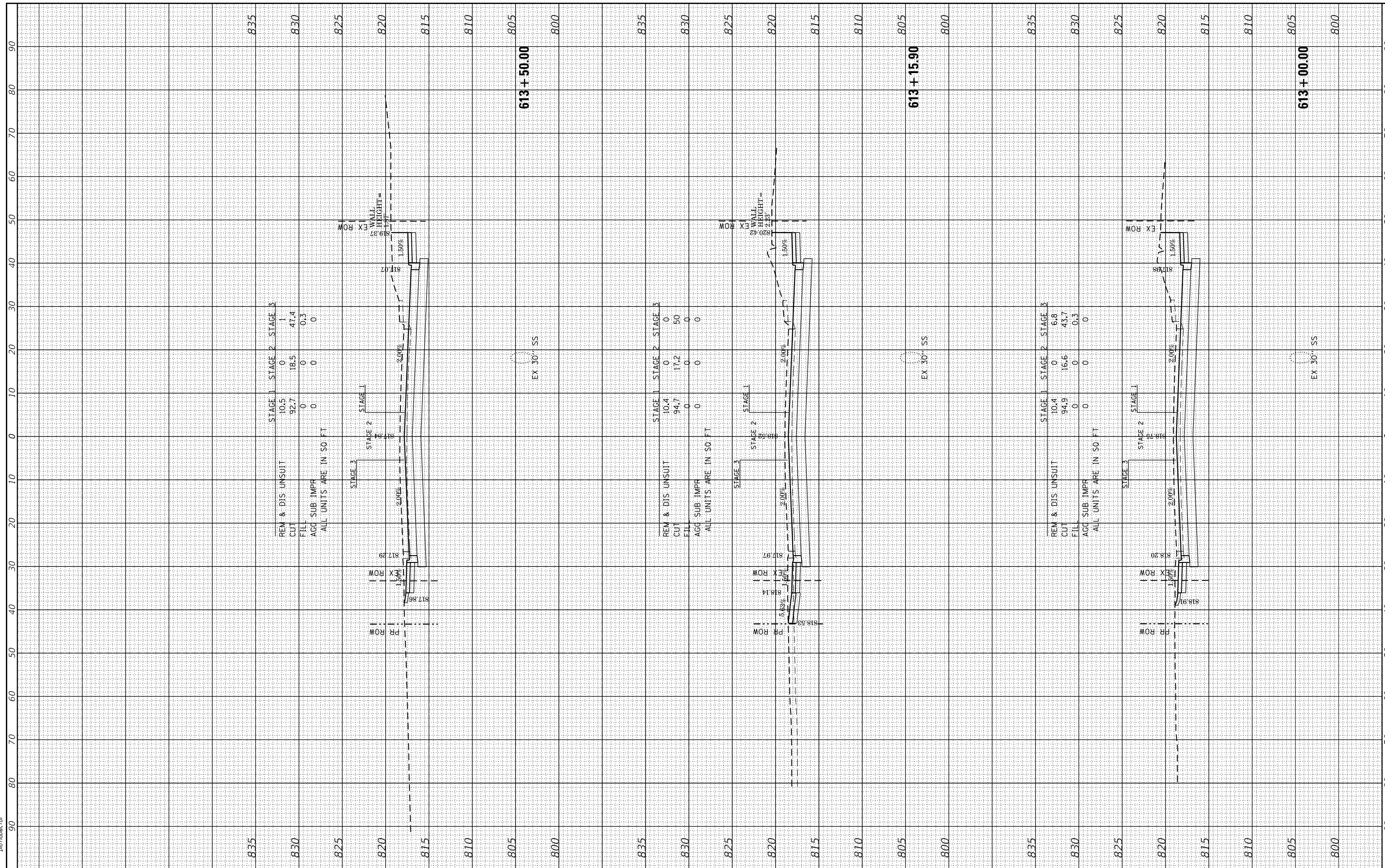
PROPOSED CROSS SECTIONS
 BARTLETT ROAD
 SCALE: 10H:5V SHEET 4 OF 11 SHEETS STA. 611+50.00 TO STA. 612+50.00

F.A.U. R.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	141
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED
BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED
BY	DATE

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p19tbl.tbl



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 #184-001322

USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

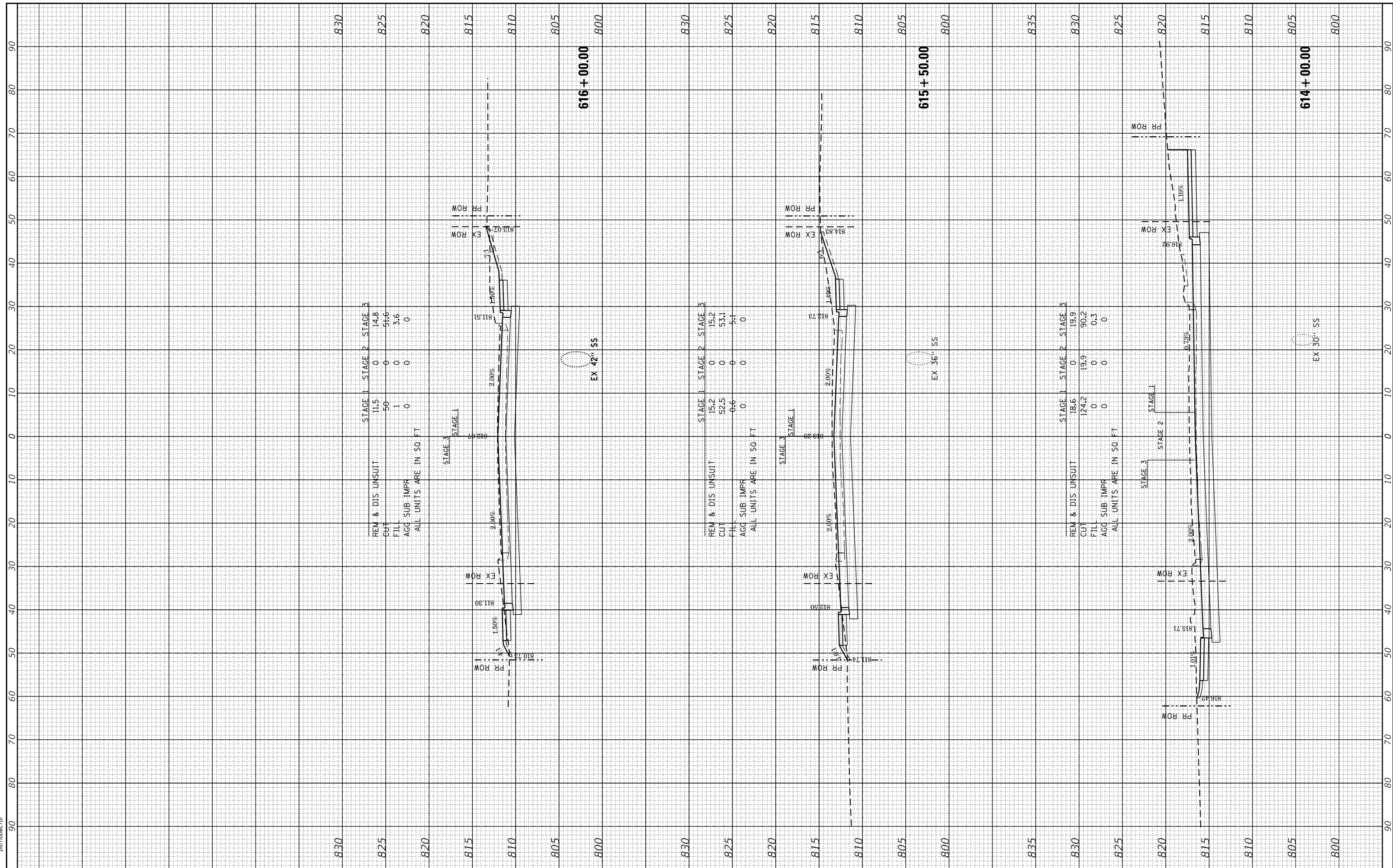
PROPOSED CROSS SECTIONS BARTLETT ROAD		
SCALE: 10H:5V	SHEET 5 OF 11 SHEETS	STA. 613+00.00 TO STA. 613+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	142
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

FINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

HRG PROJECT NO.: 090667
 FILE NAME: 090667-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p01tbl.tbl



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USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 BARTLETT ROAD**

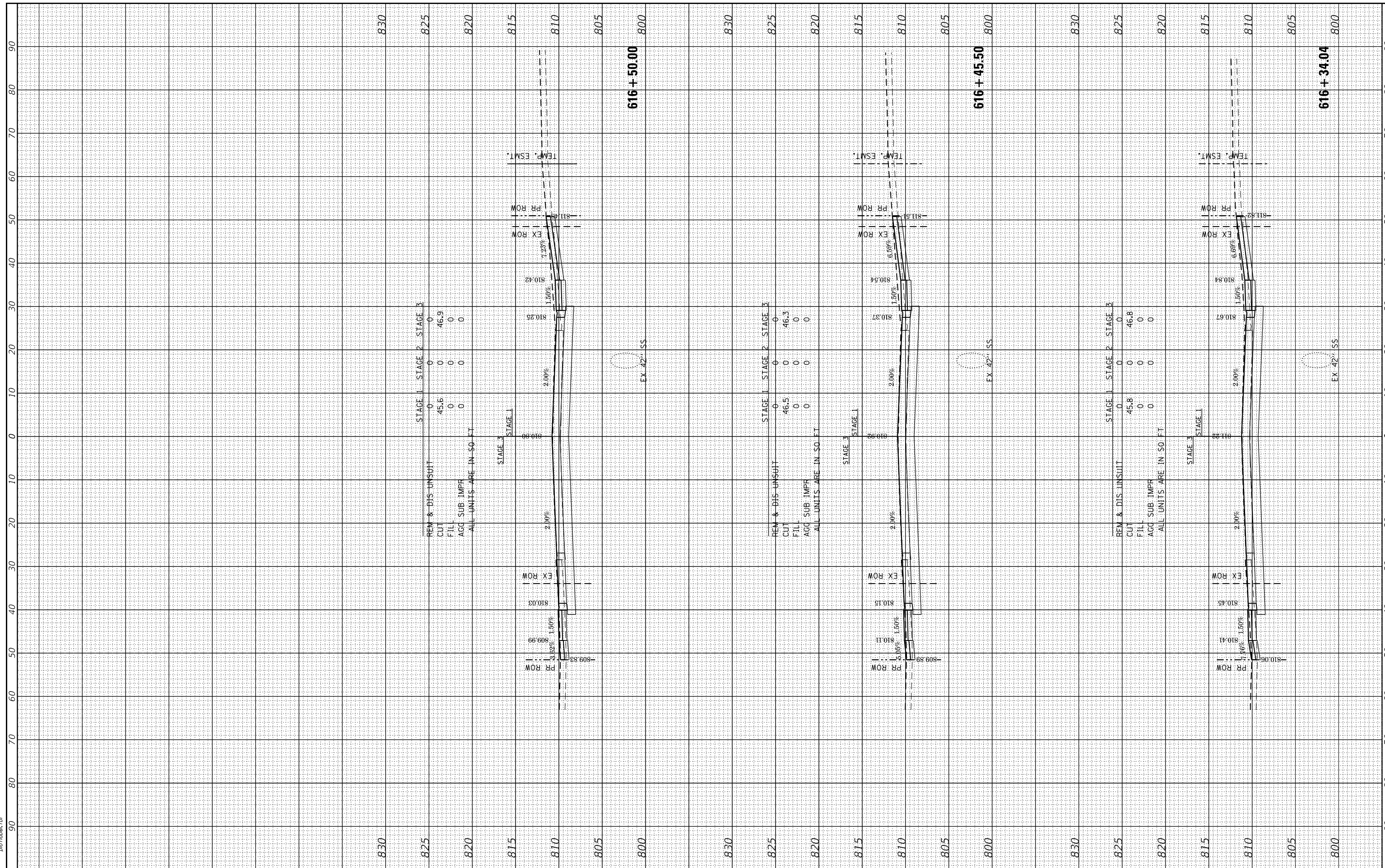
SCALE: 10H:5V SHEET 6 OF 11 SHEETS STA. 614+00.00 TO STA. 616+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	143
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

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

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

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p19tbl.tbl



USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTIONS
 BARTLETT ROAD

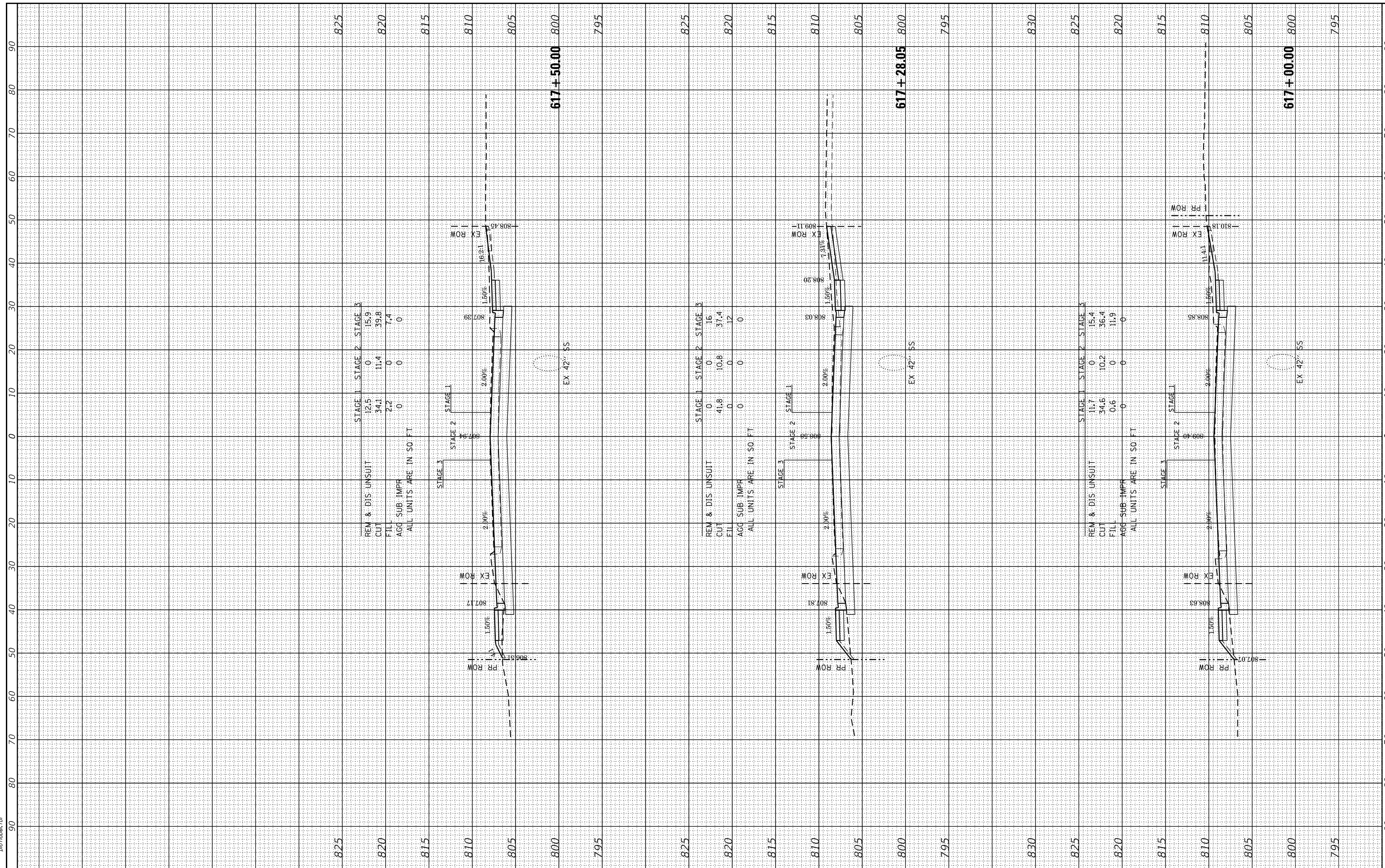
SCALE: 10H:5V SHEET 7 OF 11 SHEETS STA. 616+34.04 TO STA. 616+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	144
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H15	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

HRG PROJECT NO.: 090667
 FILE NAME: 10-00055-01-WR.ctb
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p10tbl.tbl



REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	12.5	0	15.9
FILL	34.1	11.4	39.8
AGG SUB. IMPH	2.2	0	7.4
ALL UNITS ARE IN 50 FT	0	0	0

REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	0	0	16
FILL	41.8	10.8	37.4
AGG SUB. IMPH	0	0	12
ALL UNITS ARE IN 50 FT	0	0	0

REM & DIS UNSUIT	STAGE 1	STAGE 2	STAGE 3
CUT	11.7	0	15.4
FILL	34.6	10.2	36.4
AGG SUB. IMPH	0.6	0	11.9
ALL UNITS ARE IN 50 FT	0	0	0



USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

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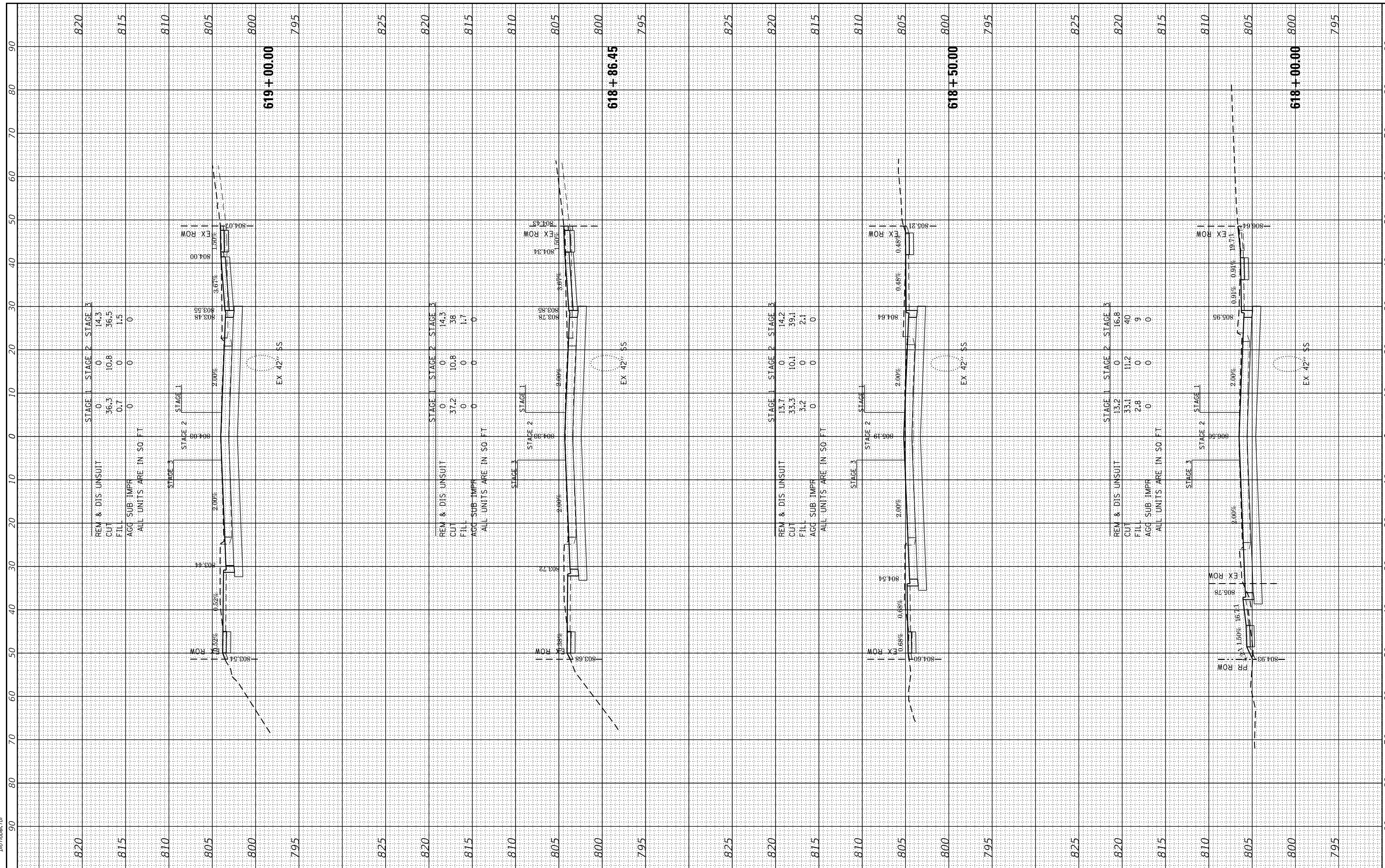
PROPOSED CROSS SECTIONS
 BARTLETT ROAD
 SCALE: 10H:5V SHEET 8 OF 11 SHEETS STA. 617+00.00 TO STA. 617+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	145
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p19tbl.tbl



STAGE 1	STAGE 2	STAGE 3
REM & DIS UNSUIT	0	14.3
CUT	56.3	10.8
FILL	0.7	1.5
AGG SUB IMPR	0	0
ALL UNITS ARE IN 50 FT		

STAGE 1	STAGE 2	STAGE 3
REM & DIS UNSUIT	0	14.3
CUT	37.2	38
FILL	0	1.7
AGG SUB IMPR	0	0
ALL UNITS ARE IN 50 FT		

STAGE 1	STAGE 2	STAGE 3
REM & DIS UNSUIT	13.7	14.2
CUT	33.3	39.1
FILL	3.2	2.1
AGG SUB IMPR	0	0
ALL UNITS ARE IN 50 FT		

STAGE 1	STAGE 2	STAGE 3
REM & DIS UNSUIT	13.2	16.8
CUT	33.1	40
FILL	2.8	9
AGG SUB IMPR	0	0
ALL UNITS ARE IN 50 FT		

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	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

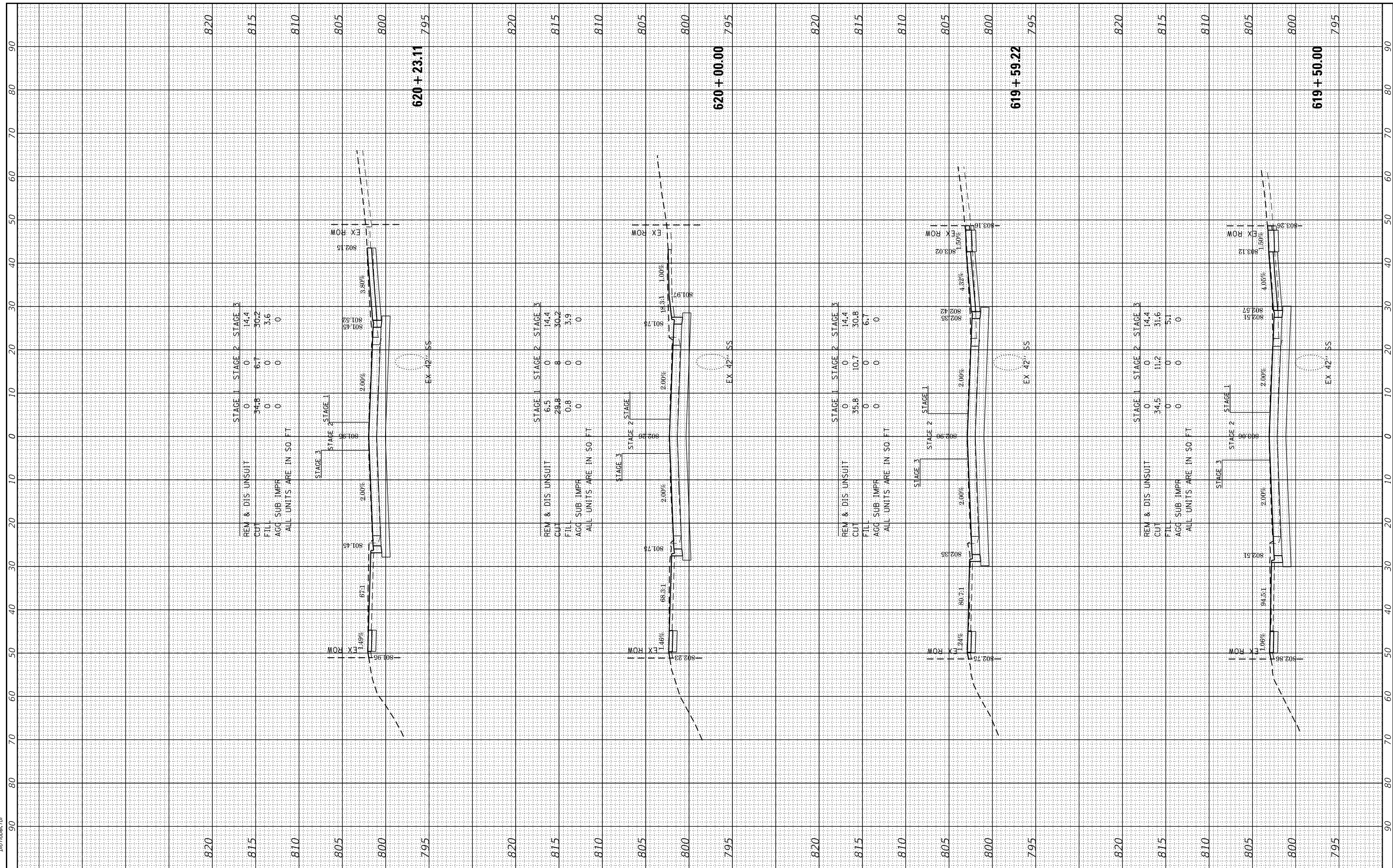
**PROPOSED CROSS SECTIONS
 BARTLETT ROAD**
 SCALE: 10H:5V SHEET 9 OF 11 SHEETS STA. 618+00.00 TO STA. 619+00.00

F.A.U. RE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	146
				CONTRACT NO. 61H15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 190567
 FILE NAME CONTACT: 190567-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwprtcfg
 PEN TABLE: p19tbltbl.tbl



USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/18/2021	DATE -	REVISED -

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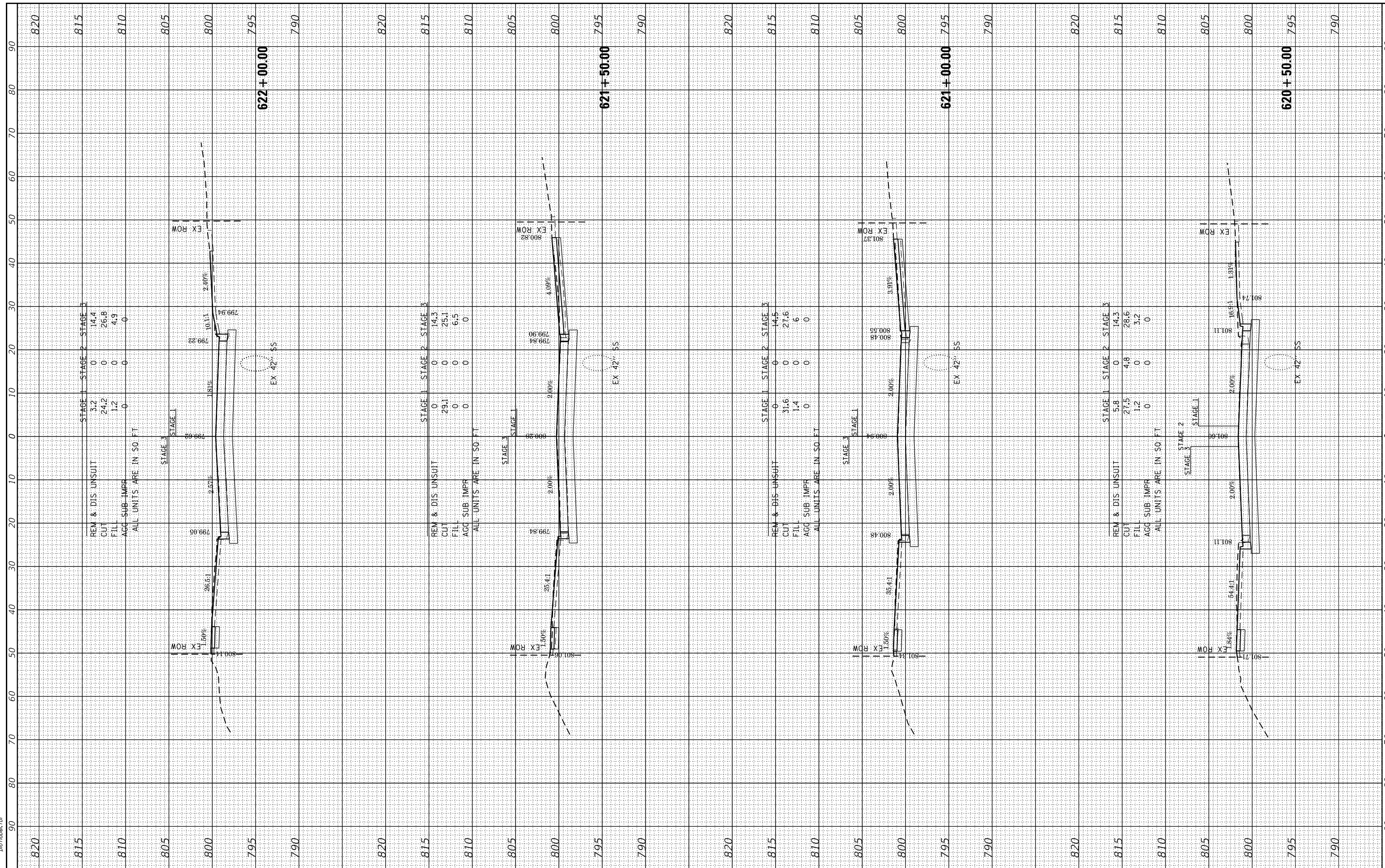
PROPOSED CROSS SECTIONS
 BARTLETT ROAD
 SCALE: 10H:5V SHEET 10 OF 11 SHEETS STA. 619+50.00 TO STA. 620+23.11

F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	147
CONTRACT NO.			61H15	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
PLOTTED	PLOTTED		
TEMPLATE	TEMPLATE		
NOTE BOOK	NOTE BOOK		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

HRG PROJECT NO.: 190567
 FILE NAME: 190567-essnt+Barlett.dgn
 PLOT DRIVER: ilpdfwprtcfg
 PEN TABLE: p19tbl.tbl



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PLOT DATE = 8/18/2021	DATE -	REVISED -

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**PROPOSED CROSS SECTIONS
 BARTLETT ROAD**

SCALE: 10H:5V SHEET 11 OF 11 SHEETS STA. 620+50.00 TO STA. 622+00.00

F.A.U. RE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-01-WR	COOK	148	148
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61H15	