

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

TRAFFIC DATA

ADT:
ILL. Route 19 21,900 VPD (2011) 28,000 VPD (2040)
(Irving Park Rd)

	SPEED POSTED	DESIGN SPEED
ILL. Route 19; Bartlett Road to Fulton Drive (Irving Park Rd)	35 MPH	40 MPH
ILL. Route 19; Fulton Drive to Madison Drive (Irving Park Rd)	45 MPH	50 MPH

DESIGN DESIGNATION

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

PROJECT LOCATED IN THE VILLAGE OF STREAMWOOD

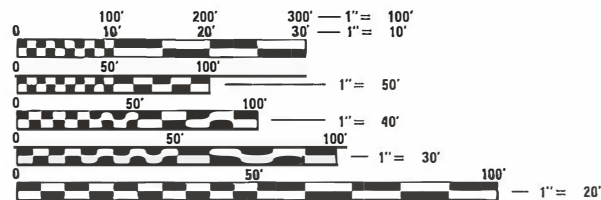
PROFESSIONAL ENGINEER'S SIGN & SEAL
EXCLUDING SHEET(S):

J.R. Melhuish
JACK R. MELHUISSH, P.E.
EXPIRES: 11-30-19



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

Brenda Lowery
BRENDA LOWERY, P.E.
EXPIRES: 11-30-19



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

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. 847-741-4687 SCHAUMBURG, IL

STATE OF ILLINOIS

03-08-2019 LETTING ITEM 144

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

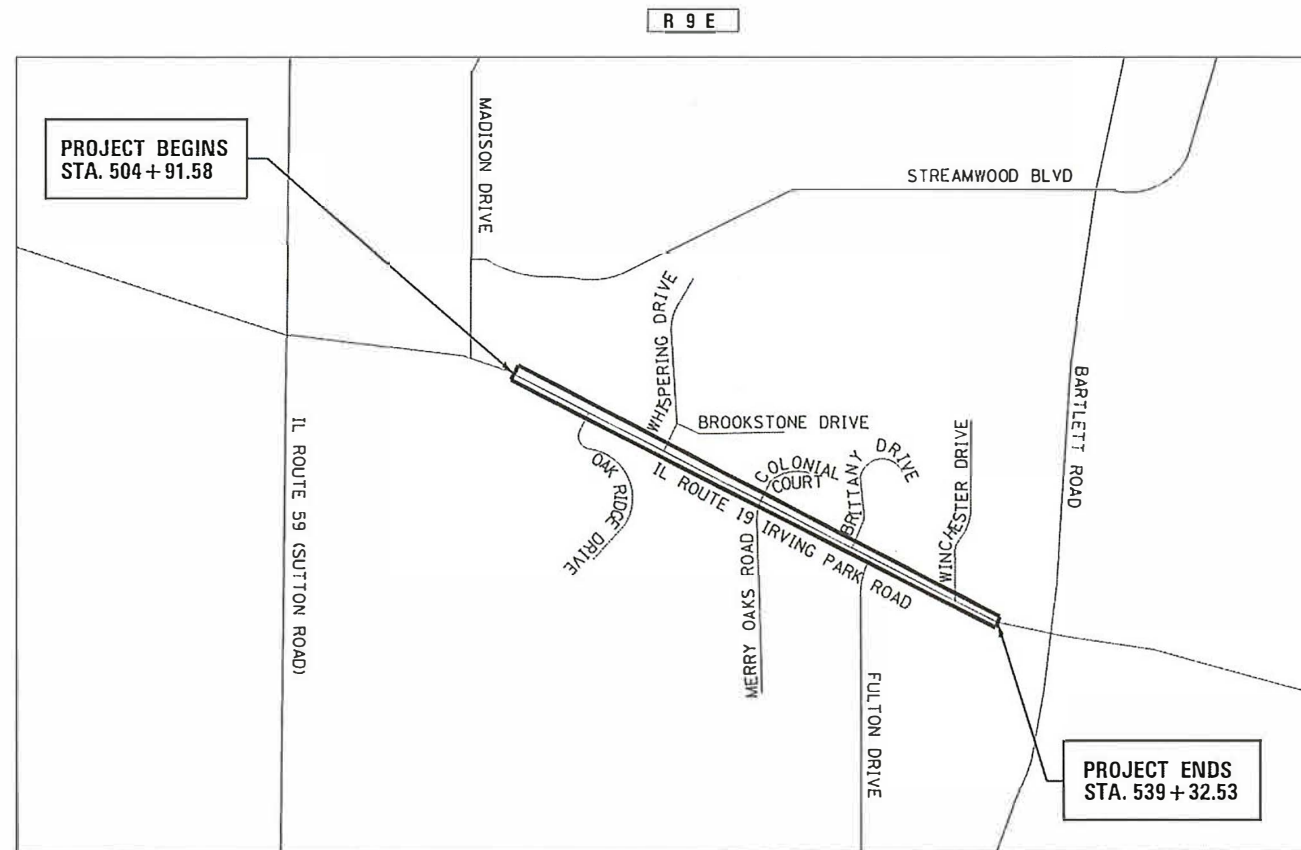
FAU 1321 IL 19 (IRVING PARK ROAD)
WEST OF OAK RIDGE DRIVE TO EAST OF WINCHESTER DRIVE
WIDENING AND RECONSTRUCTING
SECTION: 10-00055-00-WR
PROJECT: TRGK(755)
VILLAGE OF STREAMWOOD
COOK COUNTY
C-91-136-11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61F41	

116 + 1 = 117



LOCATION OF SECTION INDICATED THUS: - [Symbol] -



HANOVER TOWNSHIP

LOCATION MAP

3 PM

N.T.S.

PROJECT LENGTH

NET AND GROSS LENGTH OF PROJECT = 3441 FT. = 0.65 MILES

PROJECT ENGINEER: J. HORWITZ
PROJECT MANAGER: J. MELHUISSH
CONTRACT NO. 61F41

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 10/19 2018
Mes M
VILLAGE OF STREAMWOOD

PASSED NOVEMBER 13 2018
Christoph Holt
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW NOVEMBER 19 2018
Anthony J. Ramsey
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 265-sh-pen01.dgn
 PLOT NUMBER: 11/15/2018
 PEN TABLE: 11/15/2018

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND STATE STANDARDS
3	GENERAL NOTES
4 - 8	SUMMARY OF QUANTITIES
9 - 10	TYPICAL SECTIONS
11 - 12	SCHEDULE OF QUANTITIES
13	ALIGNMENT, TIES AND BENCHMARKS
14 - 15	ROADWAY REMOVAL PLAN
16 - 18	ROADWAY PLAN AND PROFILE
19	SUGGESTED MAINTENANCE OF TRAFFIC PLAN - GENERAL NOTES & TYPICAL SECTIONS
20	SUGGESTED MAINTENANCE OF TRAFFIC PLAN - SEQUENCE OF CONSTRUCTION
21 - 22	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
23 - 24	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
25 - 26	EROSION CONTROL PLANS
27 - 28	DRAINAGE REMOVAL AND ADJUSTMENT PLAN
29 - 30	DRAINAGE REMOVAL AND ADJUSTMENT SCHEDULE
31 - 33	DRAINAGE AND UTILITY PLAN AND PROFILE
34 - 37	DRAINAGE PIPE AND STRUCTURE SCHEDULE
38	WATER MAIN NOTES
39 - 41	WATER MAIN PLAN AND PROFILE
42	WATER MAIN TAGS
43 - 44	WATER MAIN DETAILS
45 - 46	PAVEMENT MARKING AND SIGNING PLANS
47 - 51	LANDSCAPING PLANS & DETAILS
52 - 65	LIGHTING PLANS
66 - 76	SIDEWALK RAMP DETAILS
77 - 84	NOISE WALL PLANS
85 - 99	IDOT DISTRICT 1 DETAILS
100 - 116	CROSS SECTIONS - IL ROUTE 19

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
TC22		ARTERIAL ROAD INFORMATION SIGN
TC26		DRIVEWAY ENTRANCE SIGNING

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	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
602401-06	MANHOLE, TYPE A 4' DIAMETER
602402-02	MANHOLE, TYPE A 5' DIAMETER
602406-10	MANHOLE, TYPE A 6' DIAMETER
602416-08	MANHOLE, TYPE A 8' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE TYPE B
604091-03	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
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE 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
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
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS



USER NAME = jmelhus	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/23/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS & DISTRICT DETAILS
 ILLINOIS ROUTE 19

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	2
				CONTRACT NO. 61F41
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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, 2019. 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 AT CONTRACTOR EXPENSE.

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

- STORM SEWER 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.

SIGNING AND STRIPING

- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857.
- 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 IL ROUTE 19 SHALL REMAIN THE PROPERTY OF THE VILLAGE OF STREAMWOOD AND SHALL BE RETURNED TO VILLAGE UPON REMOVAL AT 565 S. BARTLETT ROAD, STREAMWOOD, IL. SIGNS TEMPORARILY RELOCATED OR COVERED SHALL NOT BECOME THE PROPERTY OF THE VILLAGE 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANKS (LUST) CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

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 (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

STRUCTURAL PLANS

- SEE STRUCTURAL PLANS FOR GENERAL NOTES CONCERNING STRUCTURAL DESIGN.

LIGHTING PLANS

- SEE LIGHTING PLANS FOR GENERAL NOTES CONCERNING LIGHTING DESIGN.

COMMITMENTS

- NONE.

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-307-9902.dgn
 FILE NAME: 10/11/2018 10:17:19
 PEN TABLE: p001tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
 ILLINOIS ROUTE 19**

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	3
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED BY	DATE	CHECKED BY	DATE

PROFILE	SURVEYED BY	DATE	CHECKED BY	DATE

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-stt-sum01.dgn
 FILE NAME: IL-pdr-bw-ptrc1g
 PLOT DRIVER: pio1abel.tlu
 PEN TABLE:

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 004	ITEP 80% FEDERAL 20% LOCAL
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	809	809			
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	167	167			
55100500	STORM SEWER REMOVAL 12"	FOOT	969	969			
55100700	STORM SEWER REMOVAL 15"	FOOT	792	792			
55100900	STORM SEWER REMOVAL 18"	FOOT	138	138			
55101200	STORM SEWER REMOVAL 24"	FOOT	1,194	1194			
55101900	STORM SEWER REMOVAL 48"	FOOT	78	78			
+ 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	56			56	
+ 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	235			235	
+ 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	42			42	
+ 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1,292			1,292	
+ 56105000	WATER VALVES 8"	EACH	4			4	
+ 56105100	WATER VALVES 10"	EACH	1			1	
+ 56105200	WATER VALVES 12"	EACH	3			3	
+ 56200300	WATER SERVICE LINE 1"	FOOT	50			50	
+ 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	5			5	
+ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	4			4	
+ 56400810	FIRE HYDRANT EXTENSION	FOOT	10			10	
+ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	3			3	
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2,210	2,210			
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	4	4			
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	25	25			
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	2	2			
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1			
+ 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5			5	
+ 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2			2	
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1	1			
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	3			
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	3	3			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7	7			
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8			
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9	9			
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1			
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	20	20			
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2			
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2			
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
X 60260100	INLETS TO BE ADJUSTED	EACH	2	2			

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



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 ILLINOIS ROUTE 19

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

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	5
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61F41	

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NOTE BOOK	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NOTE BOOK	
	NO.	

HRG PROJECT NO. 0606265
 HRG PROJ CONTACT: 266-877-sumidagp
 FILE NAME: IL_pdr.dwg-dictg
 PLOT DRIVER: plotdriver.tbl
 PEN TABLE:

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE			
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 004	ITEP 80% FEDERAL 20% LOCAL
82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	1		1		
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	440		440		
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	50		50		
A2001028	TREE, ACER RUBRUM (BOWHALL), 3" CALIPER, BALLED AND BURLAPPED	EACH	14				14
A2004424	TREE, GINKGO BILOBA (GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	10				10
A2005316	TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	9				9
B2005468	TREE, PRUNUS VIRGINIANA SCHUBERT (CANADA RED CHOKE CHERRY), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	8				8
B2006069	TREE, SYRINGA PEKINENSIS ZHING ZHIMING (BEIJING GOLD PEKING LILAC), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	26				26
C2011724	SHRUB, VIBURNUM DENTATUM (ARROWWOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED	EACH	36				36
C2C02936	SHRUB, FORSYTHIA X INTERMEDIA (BORDER FORSYTHIA), 3' HEIGHT, CONTAINER	EACH	28				28
C2C05124	SHRUB, POTENTILLA FRUTICOSA JACKMANII (JACKMANS BUSH CINQUEFOIL), 2' HEIGHT, CONTAINER	EACH	55				55
C2C10218	SHRUB, SPIREA JAPONICA LITTLE PRINCESS (LITTLE PRINCESS JAPANESE SPIREA), 18" HEIGHT, CONTAINER	EACH	90				90
C2015761	SHRUB, SPIREA JAPONICA NEON (NEON FLASH), 2" POT	EACH	40				40
E20090P2	VINE-EUONYMUS FORTUNEI VAR. COLORATUS (PURPLE LEAF WINTERCREEPER), 2" POT	EACH	1,972				1,972
E20210G1	VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER), 1-GALLON POT	EACH	983				983
E20220G1	VINE-PARTHENOCISSUS TRICUSPIDATA (BOSTON IVY), 1-GALLON POT	EACH	507				507
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	53				53
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	52				52
K0036117	MULCH PLACEMENT 2"	SO YD	6,776				6,776
K0036118	MULCH PLACEMENT 3"	SO YD	560				560
X0301115	LANDSCAPE EDGING	FOOT	546				546
X0301423	NOISE ABATEMENT WALL, GROUND MOUNTED	SO FT	32,044	32,044			
X0322463	CONNECTION TO EXISTING SEWER	EACH	10	10			
X0322992	COARSE SAND PLACEMENT, 4"	SO YD	4,045				4,045
X0327690	TELEVISION INSPECTION OF SEWER, SPECIAL	FOOT	4,310	4,310			
X0327084	AUXILIARY VALVE BOX EXTENSION	FOOT	10			10	
X0327085	CASING PIPE, OPEN CUT, 20" PVC	FOOT	80			80	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	875	875			
X1400238	LUMINAIRE, LED, SPECIAL	EACH	50		50		
X2010400	STUMP REMOVAL ONLY	UNIT	372				372
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	1,092			1,092	
X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	4,600				4,600
X2111100	TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL	CU YD	1,000				1,000
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200			
X2200003	FENCE (SPECIAL)	FOOT	1,300				1,300
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2			
X4023000	TEMPORARY ACCESS (ROAD)	EACH	10	10			
X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	203			203	
X5610748	WATER MAIN LINE STOP 8"	EACH	1			1	
X5610752	WATER MAIN LINE STOP 12"	EACH	2			2	
X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	4			4	

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

HRGreen.com	USER NAME = jharwit
Illinois Professional Design Firm	DESIGNED - JRM
# 164-001322	DRAWN - DMS
	CHECKED - TEH
	DATE - 11/15/2018
	PLOT SCALE =
	PLOT DATE = 1/4/2019

REVISED - XX/XX/XXXX	DESIGNED - JRM
REVISED - XX/XX/XXXX	DRAWN - DMS
REVISED - XX/XX/XXXX	CHECKED - TEH
REVISED - XX/XX/XXXX	DATE - 11/15/2018

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 ILLINOIS ROUTE 19

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	7
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61F41	


PLAN	SURVISED BY _____ DATE _____	BY	DATE	CORRECTED BY _____ DATE _____	DATE

PROFILE	SURVISED BY _____ DATE _____	BY	DATE	CORRECTED BY _____ DATE _____	DATE

HRC PROJECT NO.: 8660266
 HRC PROJ. CONTACT: 266-577-5000/007
 FILE NAME: IL_Pdf_dw.dwg/19
 PLOT DRIVER: plot1000n1.tbl
 PEN TABLE:

- △ 0042
- * SPECIAL PROVISION
- + SPECIALTY ITEM
- 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 004	ITEP 80% FEDERAL 20% LOCAL
X5630710	CONNECTION TO EXISTING WATER MAIN 10"	EACH	1			1	
X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	2			2	
X6020298	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	4	4			
X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	9	9			
X6026057	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	10	10			
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	7,320	7,320			
X8300001	LIGHT POLE, SPECIAL	EACH	50		50		
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	60		60		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
XX003338	TEST HOLES	EACH	10	10			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0022800	FENCE REMOVAL	FOOT	1,300				1,300
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	52	52			
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	734	734			
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	180	180			
Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	149	149			
Z0056626	STORM SEWER (WATER MAIN REQUIREMENTS) 48 INCH	FOOT	72	72			
Z0076600	TRAINEES	HOUR	1,000	1000			
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	1000			

 HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = jharwit DESIGNED - JRM DRAWN - DMS CHECKED - TEH PLOT DATE = 1/4/2019	REVISED - XX/XX/XXXX REVISED - XX/XX/XXXX REVISED - XX/XX/XXXX REVISED - XX/XX/XXXX
--	---	--

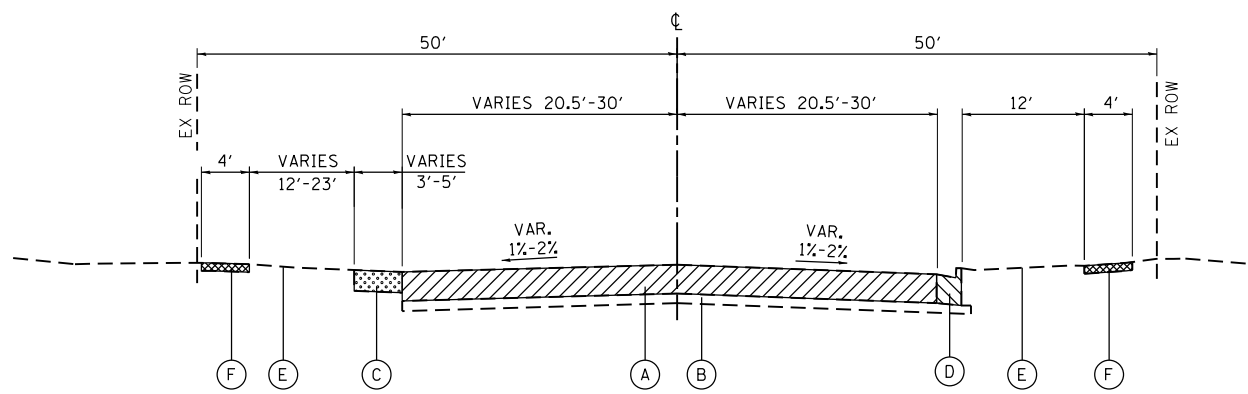
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
ILLINOIS ROUTE 19			
SCALE:	SHEET 5	OF 5 SHEETS	STA. TO STA.

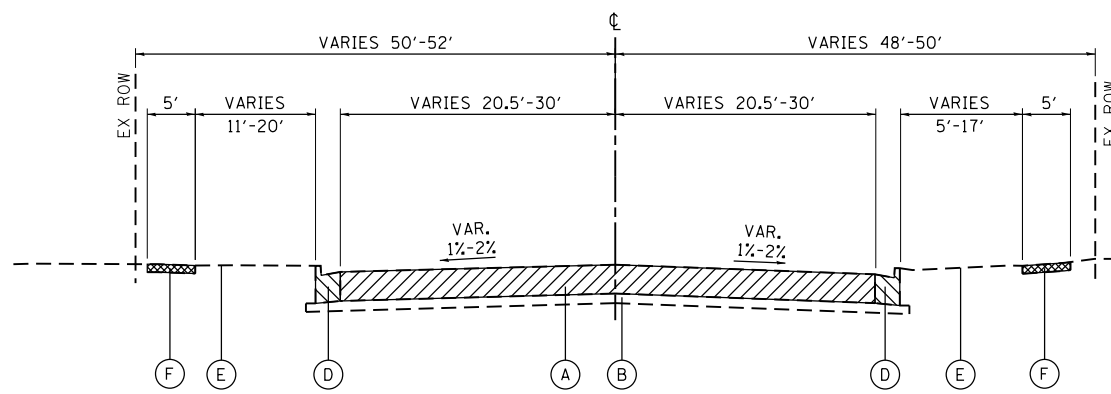
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61F41				

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

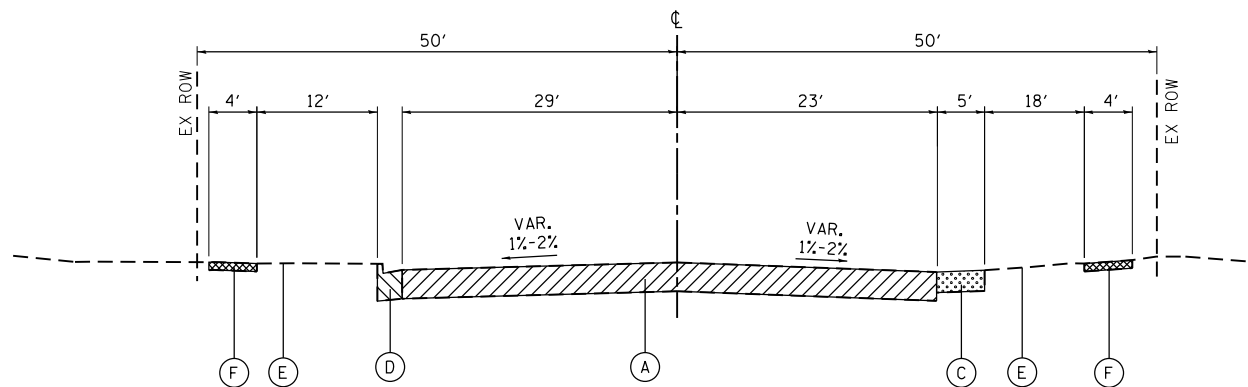
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



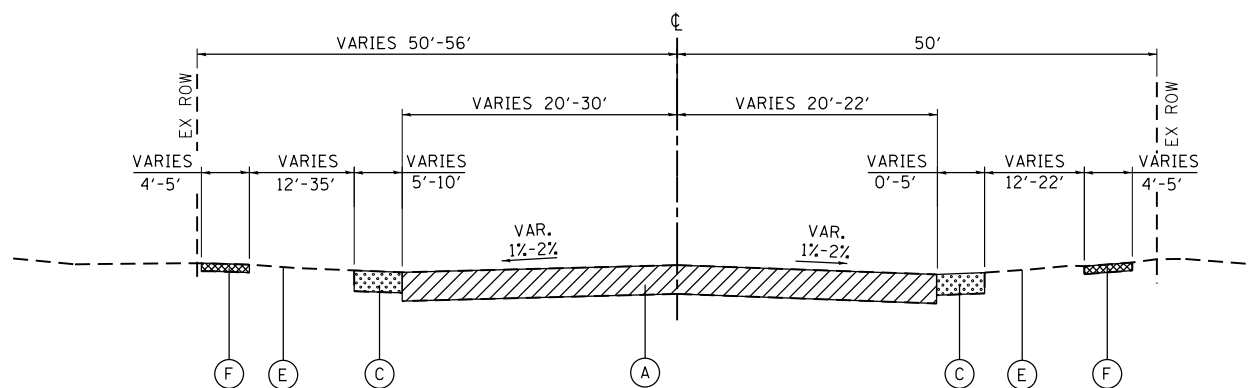
**EXISTING TYPICAL SECTION
IL ROUTE 19 (IRVING PARK ROAD)**
STA 504+91.58 TO STA 509+89
STA 527+47 TO STA 532+80



**EXISTING TYPICAL SECTION
IL ROUTE 19 (IRVING PARK ROAD)**
STA 532+80 TO STA 539+32.53



**EXISTING TYPICAL SECTION
IL ROUTE 19 (IRVING PARK ROAD)**
STA STA 509+89 TO 511+26



**EXISTING TYPICAL SECTION
IL ROUTE 19 (IRVING PARK ROAD)**
STA STA 511+26 TO 527+47

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

EXISTING PAVEMENT THICKNESS

LOCATION	THICKNESS
IL ROUTE 19 (IRVING PARK ROAD)	
STA 504+91.58 TO STA 516+00	
HOT-MIX ASPHALT	8"
PC CONCRETE	7 1/2"
STA 516+00 TO STA 526+00	
HOT-MIX ASPHALT	9 1/2"
STA 526+00 TO STA 534+50	
HOT-MIX ASPHALT	13 1/4"
STA 534+50 TO STA 539+32.53	
HOT-MIX ASPHALT	3 1/2"
PC CONCRETE	7"

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.
- PAVEMENT THICKNESS AND TYPE IS FOR INFORMATION ONLY. NO COMPENSTATION WILL BE ALLOWED FOR VARIANCES IN PAVEMENT THICKNESS OR TYPE OF PAVEMENT.

EXISTING TYPICAL SECTION LEGEND

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

HRG PROJECT NO.: 8660266
HRG PROJ. CONTACT: 266-srt-tyl/eca-04dgn
FILE NUMBER: 10/19/17
PEN TABLE: p01/eca/tyl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
ILLINOIS ROUTE 19**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

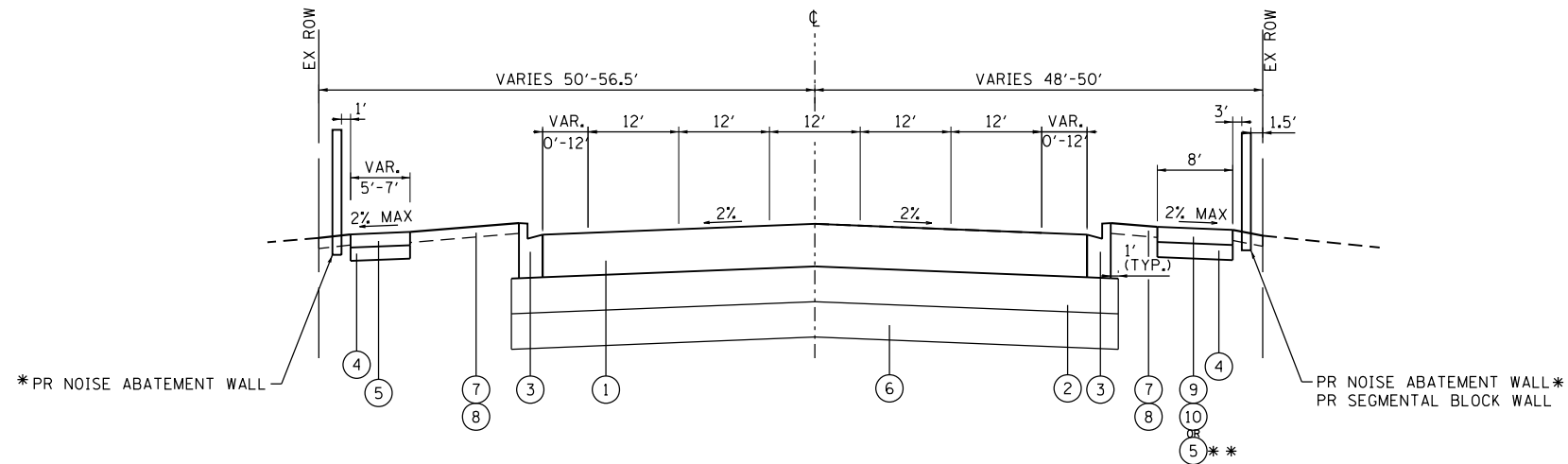
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	9
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-597-7991
 FILE NAME: 266-597-7991-02.dgn
 PEN TABLE: p01tbltbl.tbl

THE ACTUAL LOCATIONS FOR AGGREGATE SUBGRADE IMPROVEMENT (CY YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND THE GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR EMBANKMENT IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.



**PROPOSED TYPICAL SECTION
 IL ROUTE 19 (IRVING PARK ROAD)**
 STA. 504+91.58 TO STA. 539+32.53

- * NOISE ABATEMENT WALL LOCATIONS:
 STA. 507+27.68 TO STA. 508+90.09 RT
 STA. 516+00.00 TO STA. 522+63.00 LT
 STA. 523+67.00 TO STA. 529+70.00 LT
 STA. 529+67.00 TO STA. 531+13.00 RT
 STA. 530+58.40 TO STA. 537+73.00 LT
 STA. 532+13.00 TO STA. 535+16.00 RT

SEGMENTAL BLOCK WALL LOCATION:
 STA. 520+50.00 TO STA. 522+00.00 RT

** 5' - STA. 507+17.67 TO STA. 509+05.42

PROPOSED TYPICAL SECTION LEGEND

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

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

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	
HMA SURFACE COURSE, MIX "D", N50; (IL 9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); CE-8"	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.



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTION
 ILLINOIS ROUTE 19

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	10
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES - EARTHWORK

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-Schroder.dgn
 FILE NAME: 266-srt-Schroder.dgn
 PEN TABLE: p01tbltbl.tbl

IL RTE 19	STAGE 1 (CU YD)				STAGE 2 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE	
	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
505+00.00									0.0	0.0
505+50.00	6.3	26.9	4.4	0.0	14.7	30.8	31.7	0.0	18.6	-5.5
506+00.00	6.9	27.8	4.7	0.0	15.5	31.9	25.6	0.0	18.9	1.5
506+50.00	3.1	32.7	1.4	0.0	17.7	42.3	14.9	0.0	26.4	21.1
507+00.00	1.5	37.7	0.0	0.0	19.5	61.7	12.5	0.0	32.0	39.9
507+50.00	25.6	44.3	11.7	9.4	20.4	82.4	10.3	0.0	26.0	59.8
508+00.00	50.2	56.9	21.3	18.6	21.4	95.1	9.1	0.0	27.0	71.8
508+50.00	52.3	70.8	18.6	18.2	21.8	101.6	12.8	0.0	41.6	73.6
509+00.00	44.6	87.2	12.5	16.5	24.4	168.4	7.2	0.0	61.6	135.9
509+28.10	9.9	67.9	2.0	4.2	7.7	154.9	0.0	0.0	55.7	131.6
509+50.00	0.6	53.9	0.1	0.0	7.0	124.9	0.1	0.0	45.7	106.1
510+00.00	11.7	89.1	3.9	0.0	30.1	224.6	1.1	0.0	71.8	189.8
510+50.00	21.9	70.4	10.9	0.0	28.6	181.9	1.6	0.0	48.9	153.0
511+00.00	23.2	53.8	18.3	0.0	28.8	142.0	1.4	0.0	27.4	119.3
511+50.00	23.7	33.0	22.9	0.0	25.5	79.0	1.7	0.0	5.1	65.5
512+00.00	23.8	17.4	27.2	0.0	22.4	22.4	12.8	0.0	-12.4	6.3
512+50.00	23.9	7.1	33.5	0.0	22.8	3.9	30.8	0.0	-27.5	-27.5
513+00.00	23.9	2.5	37.9	0.0	24.2	4.2	43.1	0.0	-35.7	-39.6
513+50.00	23.5	1.9	43.4	0.0	25.1	5.7	58.6	0.0	-41.8	-53.7
514+00.00	23.6	1.4	49.9	0.0	27.9	4.4	73.6	0.0	-48.7	-69.8
514+50.00	23.6	1.4	54.9	0.0	26.1	3.1	86.9	0.0	-53.7	-84.3
515+00.00	23.5	2.6	59.8	0.0	16.7	4.3	89.2	0.0	-57.6	-85.5
515+43.47	20.6	2.8	50.9	0.0	5.2	7.0	62.9	0.0	-48.5	-56.9
516+00.00	27.0	6.7	52.6	0.0	17.7	6.5	79.6	0.0	-46.9	-74.0
516+50.00	28.8	13.2	25.3	0.0	29.5	3.5	60.2	0.0	-14.0	-57.2
517+00.00	32.6	26.0	7.9	0.0	27.3	15.1	33.7	0.0	14.2	-20.9
517+50.00	15.8	65.4	1.7	0.0	26.4	19.4	23.7	0.0	53.9	-7.2
517+81.56	0.0	74.3	0.0	0.0	16.4	10.2	13.3	0.0	63.2	-4.6
518+00.00	0.0	33.1	0.0	0.0	9.6	7.6	5.5	0.0	28.2	0.9
518+50.00	12.8	46.0	0.0	0.0	25.8	21.0	10.8	0.0	39.1	7.0
519+00.00	30.1	58.9	0.5	0.0	25.8	17.6	14.5	0.0	49.6	0.4
519+50.00	30.2	51.5	1.9	0.0	25.0	16.3	16.9	0.0	41.8	-3.0
520+00.00	26.9	20.6	20.4	0.0	24.6	12.1	17.9	0.0	-2.9	-7.6
520+50.00	27.9	2.4	78.3	0.0	23.0	4.8	23.9	0.0	-76.3	-19.8
521+00.00	28.0	0.2	108.2	0.0	20.8	0.1	36.8	0.0	-108.1	-36.7
521+50.00	26.5	0.0	76.8	0.0	21.1	0.0	40.6	0.0	-76.8	-40.6
522+00.00	24.3	6.7	42.6	0.0	21.5	8.0	33.3	0.0	-36.9	-26.6
522+50.00	23.5	24.8	21.3	0.0	25.7	36.5	19.7	0.0	-0.2	11.3
523+04.91	12.8	81.9	7.3	0.0	16.4	114.4	5.4	0.0	62.3	91.8
523+50.00	11.9	86.3	2.2	0.0	13.1	119.4	1.8	0.0	71.1	99.7
524+00.00	26.6	82.4	7.3	0.0	27.5	131.4	2.5	0.0	62.7	109.2
524+50.00	26.4	88.0	16.3	0.0	26.0	161.9	1.5	0.0	58.5	136.1
525+00.00	25.9	92.1	19.9	0.0	25.7	172.8	1.1	0.0	58.4	145.8
525+50.00	25.8	92.9	15.7	0.0	32.9	156.9	5.1	0.0	63.2	128.3
526+00.00	25.6	84.2	13.3	0.0	41.1	132.8	8.2	0.0	58.2	104.6
526+50.00	24.8	68.0	10.3	0.0	42.0	100.0	10.1	0.0	47.5	74.9
527+00.00	24.5	57.3	7.7	0.0	42.2	68.0	17.4	0.0	41.0	40.4
527+50.00	26.1	53.5	5.6	0.0	42.0	49.1	31.4	0.0	39.9	10.3
528+00.00	13.7	62.6	2.0	0.0	41.9	30.3	63.5	0.0	51.2	-37.8
528+11.75	0.0	16.5	0.0	0.0	9.9	4.4	22.6	0.0	14.0	-18.8



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE OF QUANTITIES
 ILLINOIS ROUTE 19

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	11
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES - EARTHWORK

IL RTE 19	STAGE 1 (CU YD)				STAGE 2 (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	STAGE 1
528+50.00	20.8	32.7	4.3	9.0	45.9	10.8	103.2	11.8	23.5	-94.1
529+00.00	55.0	15.1	16.3	24.4	67.5	15.0	105.9	30.8	-3.5	-93.2
529+50.00	54.5	5.5	28.0	25.4	56.0	14.0	45.7	30.6	-23.3	-33.9
530+00.00	54.1	2.2	33.1	25.6	40.6	6.6	41.5	23.7	-31.3	-35.9
530+21.98	24.2	2.6	13.4	11.4	6.5	5.5	14.6	4.6	-11.2	-9.9
530+50.00	31.4	6.1	15.1	14.5	6.3	6.6	16.2	3.7	-9.9	-10.5
531+00.00	57.3	11.4	25.8	26.1	34.5	5.0	35.4	18.3	-16.2	-31.1
531+50.00	59.0	37.1	13.4	33.1	50.8	6.0	28.8	27.1	18.1	-23.7
531+62.91	12.6	17.5	1.3	8.7	13.2	1.7	4.4	7.0	13.5	-2.9
532+00.00	38.1	38.9	10.9	19.1	38.2	12.5	11.0	19.8	22.3	-0.4
532+50.00	65.4	41.9	15.9	25.6	51.5	33.5	14.8	25.5	19.6	13.7
533+00.00	64.4	53.1	12.0	27.0	57.4	53.9	14.8	26.7	33.1	31.0
533+50.00	64.2	64.9	11.3	27.2	62.9	74.3	13.7	28.0	43.9	49.4
534+00.00	66.1	74.0	13.1	27.5	61.1	85.7	13.3	26.3	49.8	59.5
534+50.00	66.2	78.7	14.1	27.6	58.8	86.3	13.3	24.8	52.8	60.0
535+00.00	61.1	83.4	12.7	25.8	54.4	85.8	14.7	23.1	58.2	58.2
535+46.25	42.1	94.9	5.6	27.0	53.4	75.4	14.5	25.5	75.1	49.6
536+00.00	50.1	95.6	7.2	34.7	64.9	73.2	16.9	33.7	74.1	45.3
536+50.00	57.1	54.9	12.8	29.0	53.9	54.7	16.1	28.2	33.9	30.4
537+00.00	49.4	43.0	14.0	25.7	49.2	45.3	16.3	25.2	22.5	22.2
537+50.00	40.9	30.4	16.7	22.1	44.4	39.4	16.0	22.4	9.1	17.4
538+00.00	19.1	29.5	14.6	10.1	20.7	45.9	10.6	10.6	10.5	28.5
538+21.26	0.0	23.0	2.5	0.0	0.0	28.1	1.2	0.0	17.1	22.7
538+50.00	5.4	35.9	4.1	0.0	3.0	35.7	1.2	0.0	26.4	29.1
539+00.00	16.5	59.2	11.4	0.0	12.2	47.4	5.8	0.0	38.9	34.5
TOTALS	2121.2	3116.1	1364.6	573.6	2161.8	3944.6	1778.7	477.4	1284.1	1574.2

ITEM NO.	CODE	DESCRIPTION	CROSS SECTION BASED	
			IL RTE 19	TOTAL
1	20200100	EARTH EXCAVATION	7,060.7	7,060.7
2	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	4,282.9	4,282.9
3	30300001	AGGREGATE SUBGRADE IMPROVEMENT	1,051.0	1,051.0

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ CONTACT: 266-srt+Schroder.dgn
 FILE NAME: 266-srt+Schroder.dgn
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE OF QUANTITIES
 ILLINOIS ROUTE 19

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	12
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTES CHECKED	
FILE NAME	
FILE NUMBER	
FILE TABLE	
NO.	

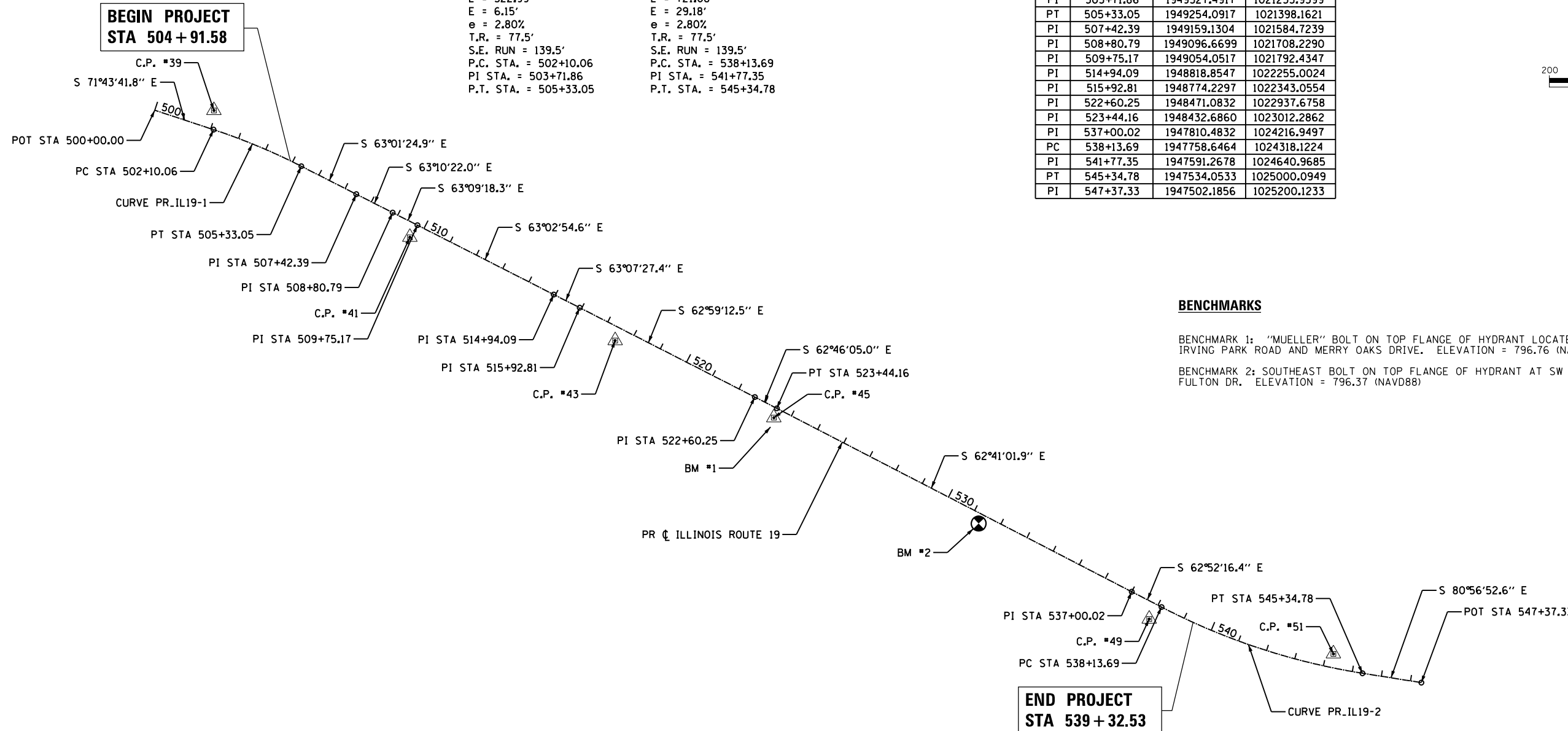
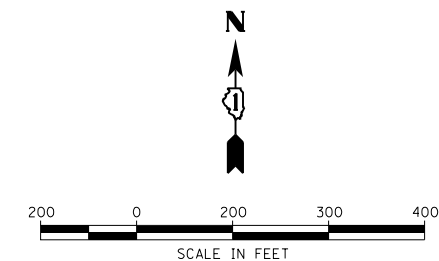
DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTES CHECKED	
FILE NAME	
FILE NUMBER	
FILE TABLE	
NO.	

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-507-4789
 FILE NAME: 1949012.938
 FILE NUMBER: 11/15/2018
 FILE TABLE: 11/15/2018

PROP. CURVE PR.IL19-1
 $\Delta = 8^\circ 42' 17''$ (RT)
 $D = 2^\circ 41' 42''$
 $R = 2,126.00'$
 $T = 161.81'$
 $L = 322.99'$
 $E = 6.15'$
 $e = 2.80\%$
 $T.R. = 77.5'$
 $S.E. RUN = 139.5'$
 $P.C. STA. = 502+10.06$
 $PI STA. = 503+71.86$
 $P.T. STA. = 505+33.05$

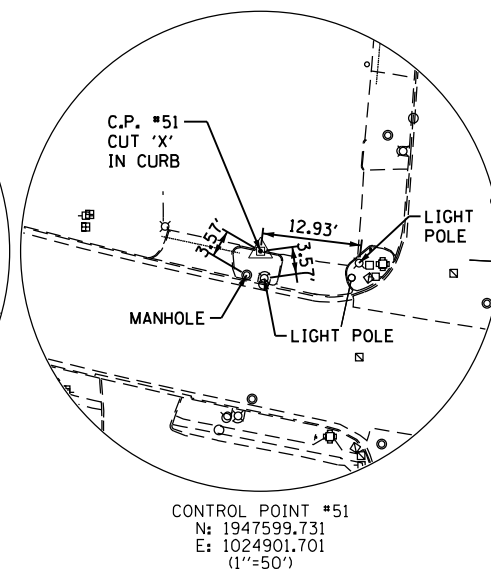
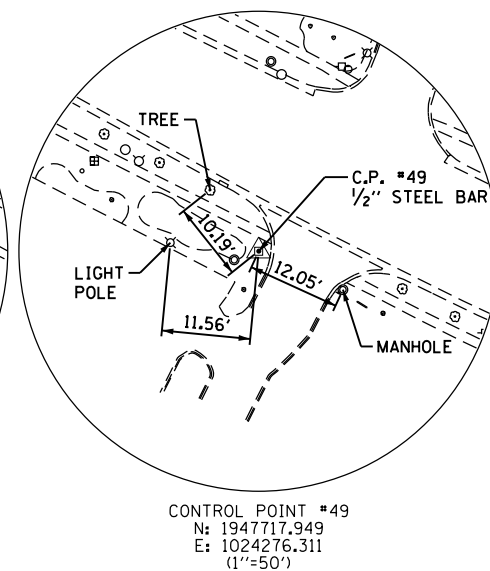
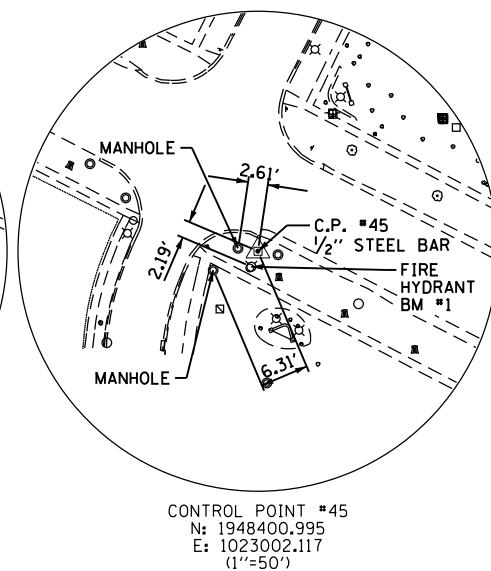
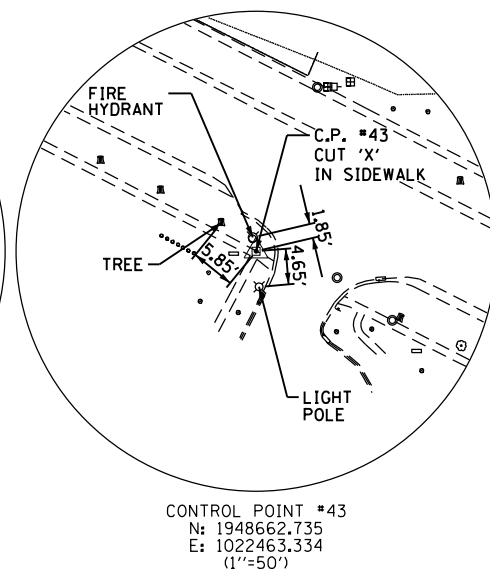
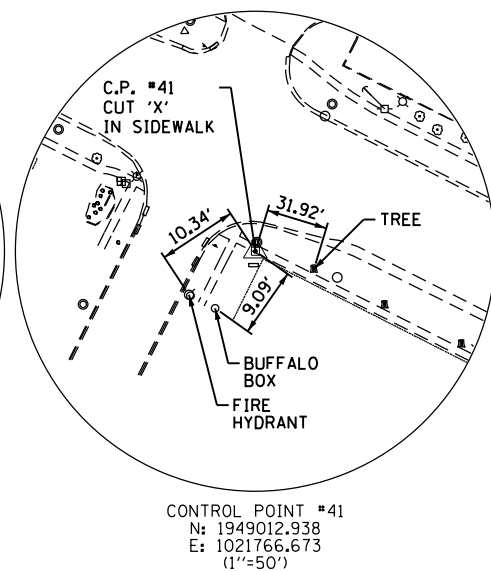
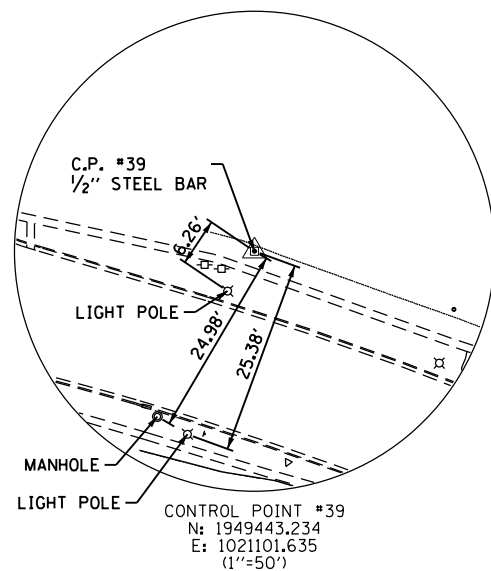
PROP. CURVE PR.IL19-2
 $\Delta = 18^\circ 21' 08''$ (LT)
 $D = 2^\circ 32' 42''$
 $R = 2,251.21'$
 $T = 363.66'$
 $L = 721.08'$
 $E = 29.18'$
 $e = 2.80\%$
 $T.R. = 77.5'$
 $S.E. RUN = 139.5'$
 $P.C. STA. = 538+13.69$
 $PI STA. = 541+77.35$
 $P.T. STA. = 545+34.78$

ALIGNMENT COORDINATES - IL ROUTE 19			
STATION	N	E	
POB	500+00.00	1949444.0802	1020900.8447
PC	502+10.06	1949378.2224	1021100.3102
PI	503+71.86	1949327.4917	1021253.9599
PT	505+33.05	1949254.0917	1021398.1621
PI	507+42.39	1949159.1304	1021584.7239
PI	508+80.79	1949096.6699	1021708.2290
PI	509+75.17	1949054.0517	1021792.4347
PI	514+94.09	1948818.8547	1022255.0024
PI	515+92.81	1948774.2297	1022343.0554
PI	522+60.25	1948471.0832	1022937.6758
PI	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



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)



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
 ILLINOIS ROUTE 19

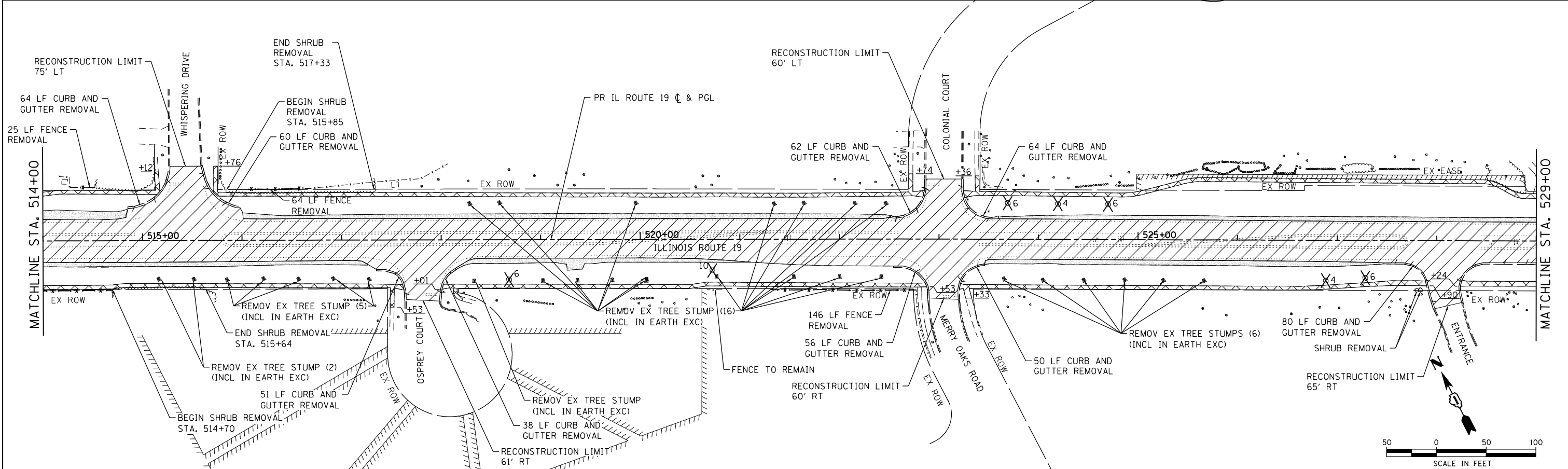
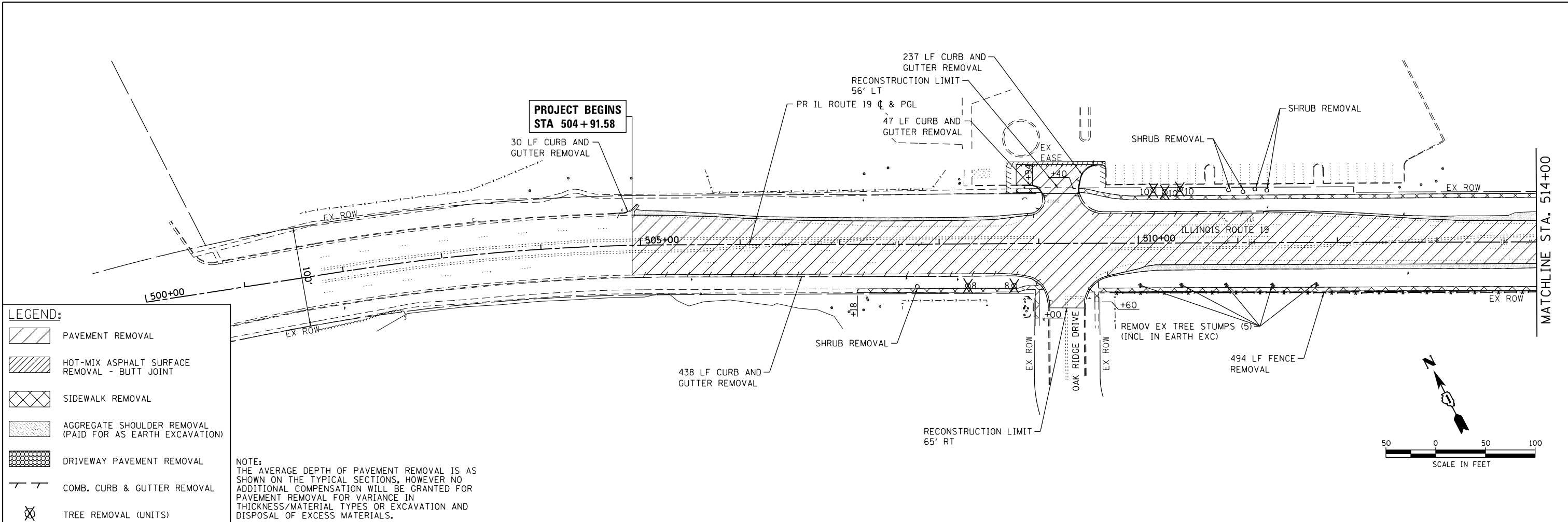
SCALE: 1"=200' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	13
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-507-7800
 FILE NAME: 10-00055-00-19
 PEN TABLE: 10-00055-00-19



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
 ILLINOIS ROUTE 19**

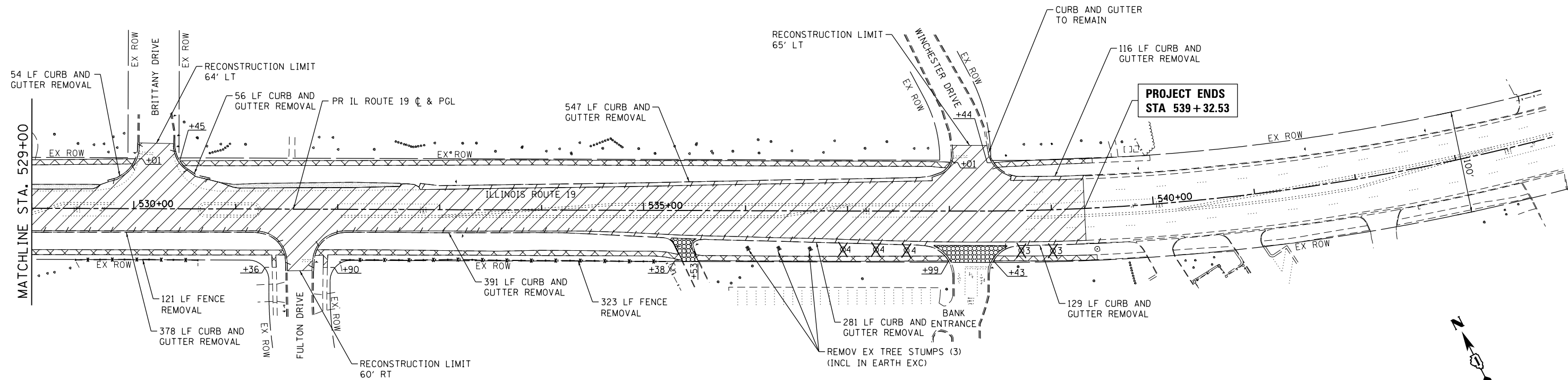
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 504+91.58 TO STA. 529+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	14
				CONTRACT NO. 61F41
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

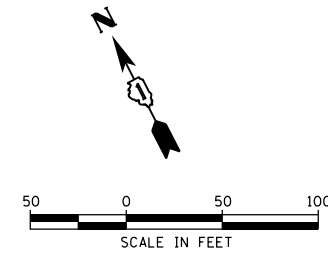
HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-571-7890-02.dgn
 FILE NAME: 10-00055-00-1321.dwg
 PEN TABLE: 10-00055-00-1321.tbl



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.



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

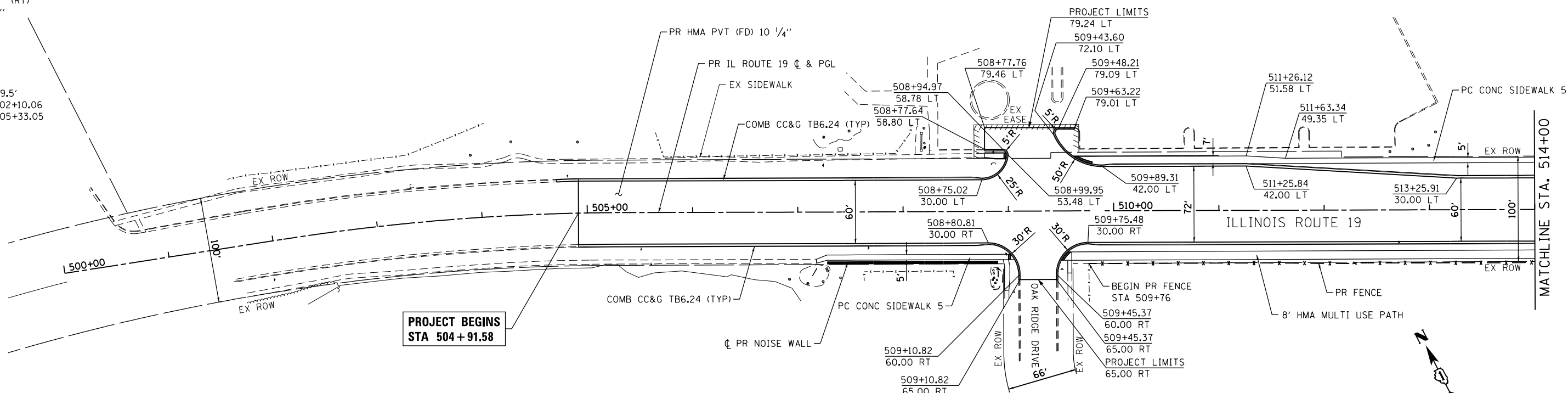
**REMOVAL PLAN
 ILLINOIS ROUTE 19**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 529+00 TO STA. 539+32.53

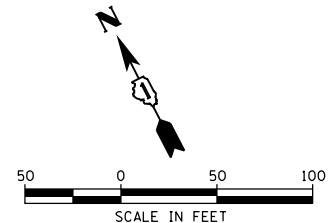
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	15
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROP. CURVE PR_IL19-1
 PI STA. = 503+71.86
 $\Delta = 8^\circ 42' 17''$ (RT)
 $D = 2^\circ 41' 42''$
 $R = 2,126.00'$
 $T = 161.81'$
 $L = 322.99'$
 $E = 6.15'$
 $e = 2.80\%$
 $T.R. = 77.5'$
 $S.E. RUN = 139.5'$
 $P.C. STA. = 502+10.06$
 $P.T. STA. = 505+33.05$

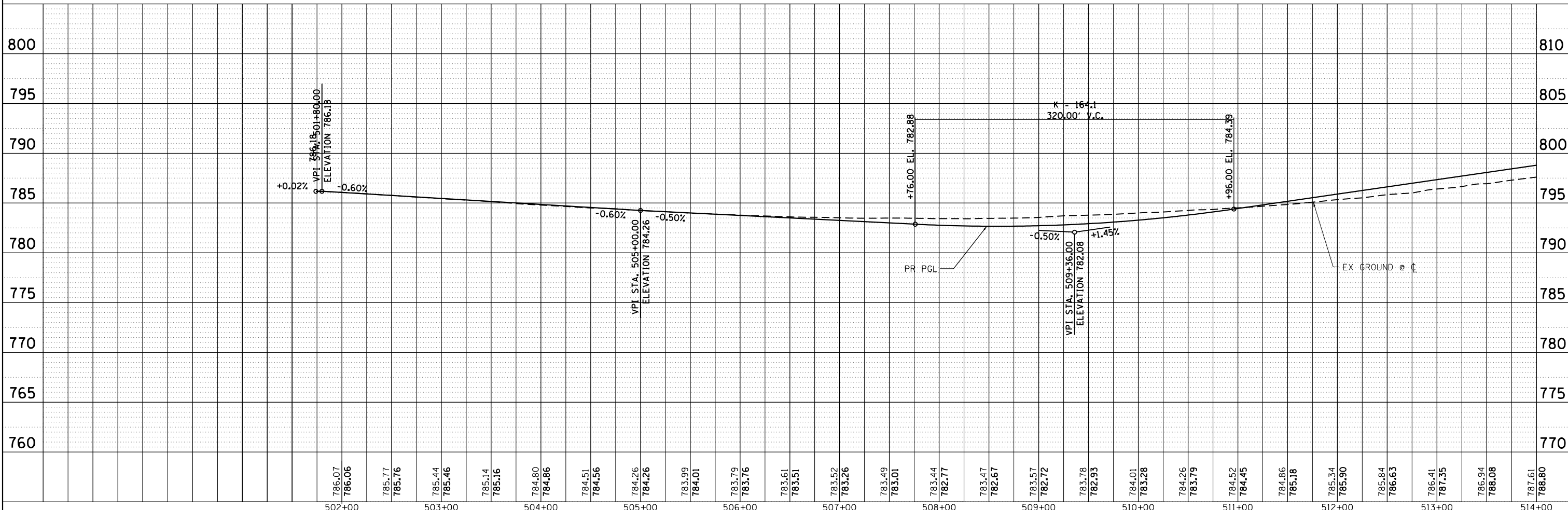
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	NO. _____	
	NO. _____	



**PROJECT BEGINS
 STA 504 + 91.58**



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



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-ppp-01.dgn
 FILE NAME: 191115.dwg
 PEN TABLE: pcc.tbl

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

USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

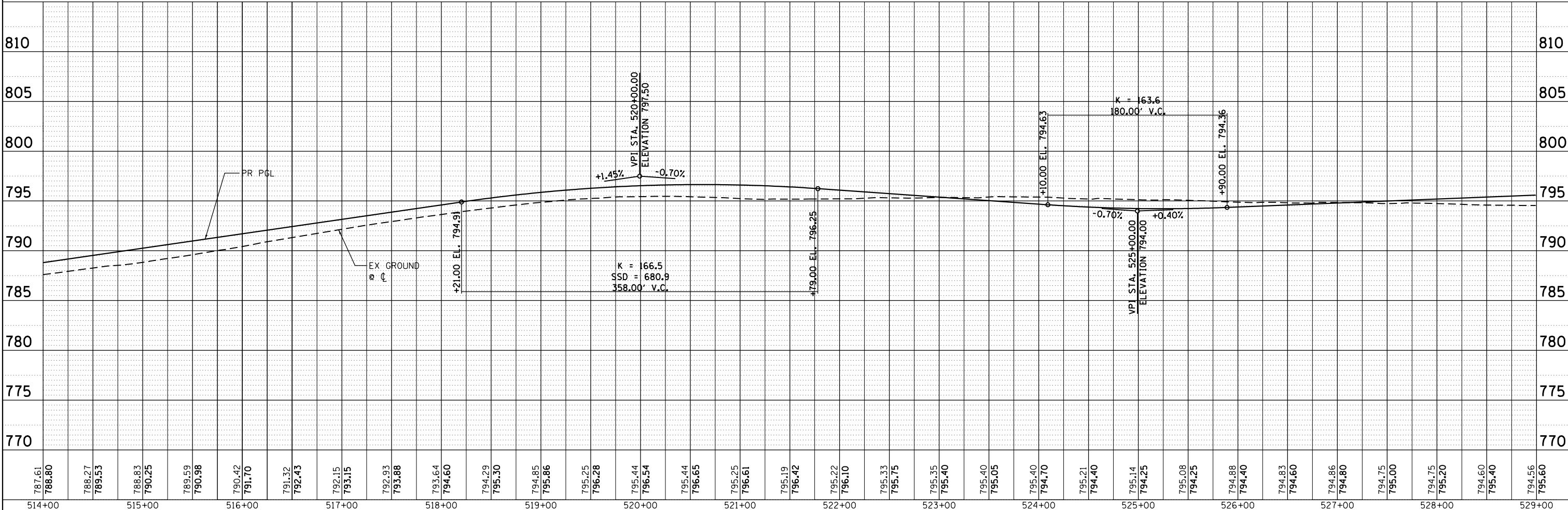
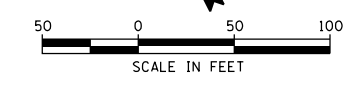
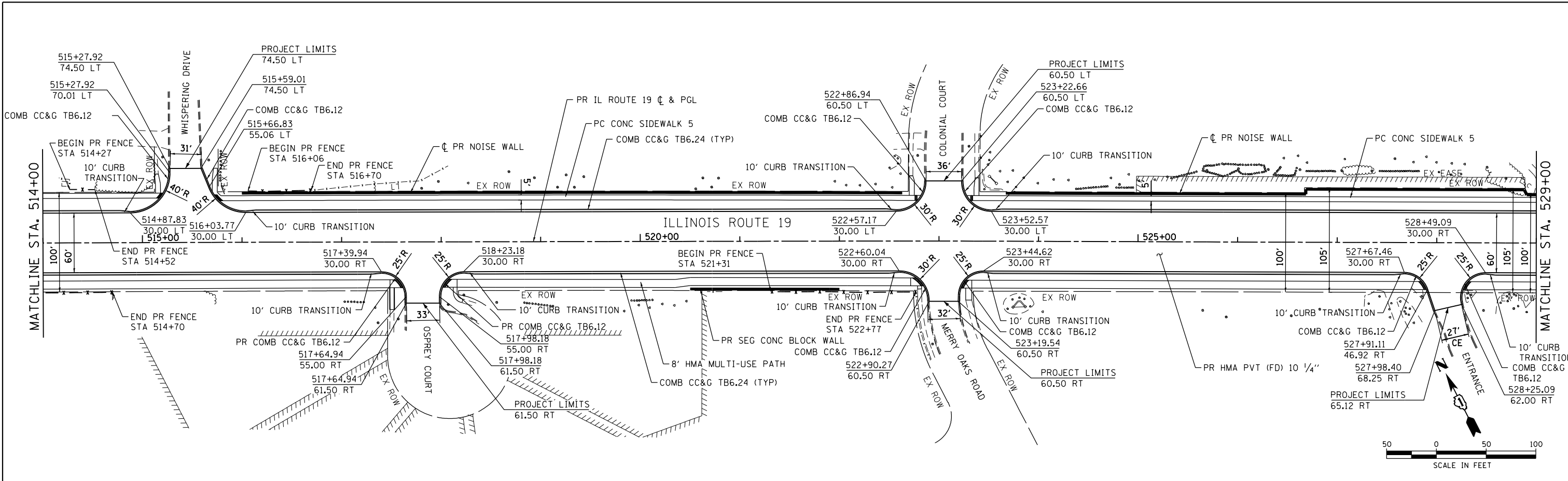
**PLAN AND PROFILE
 ILLINOIS ROUTE 19**
 SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 504+91.58 TO STA. 514+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	16
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-597-7777
 FILE NAME: 266-597-7777-02.dgn
 PEN TABLE: pen.tbl



787.61	788.80	788.27	789.53	788.53	790.25	789.59	790.98	790.42	791.70	791.32	792.43	792.15	793.15	792.93	793.88	793.64	794.60	794.29	795.30	794.85	795.86	795.25	796.28	795.44	796.54	795.44	796.65	795.25	796.61	795.19	796.42	795.22	796.10	795.33	796.15	795.35	796.40	795.40	796.05	795.40	796.70	795.21	796.40	795.14	796.25	795.08	796.25	794.88	796.40	794.83	796.60	794.86	796.80	794.75	796.00	794.75	796.20	794.60	796.40	794.56	796.60
514+00	515+00	516+00	517+00	518+00	519+00	520+00	521+00	522+00	523+00	524+00	525+00	526+00	527+00	528+00	529+00																																														

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

USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

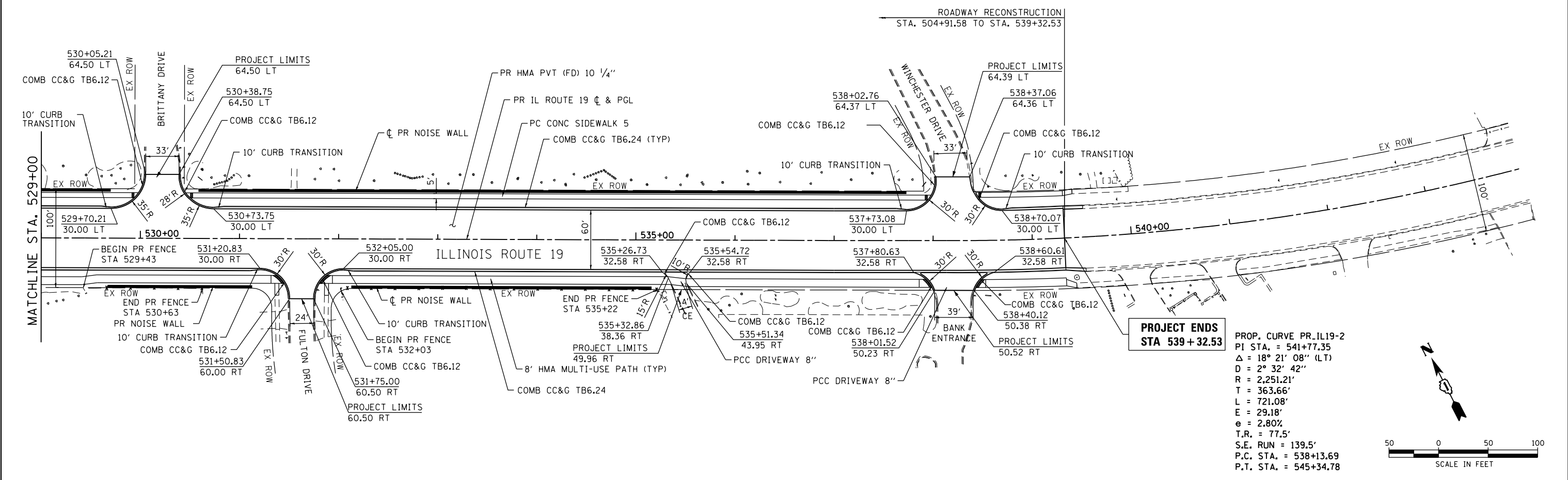
**PLAN AND PROFILE
 ILLINOIS ROUTE 19**
 SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 514+00 TO STA. 529+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	17
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

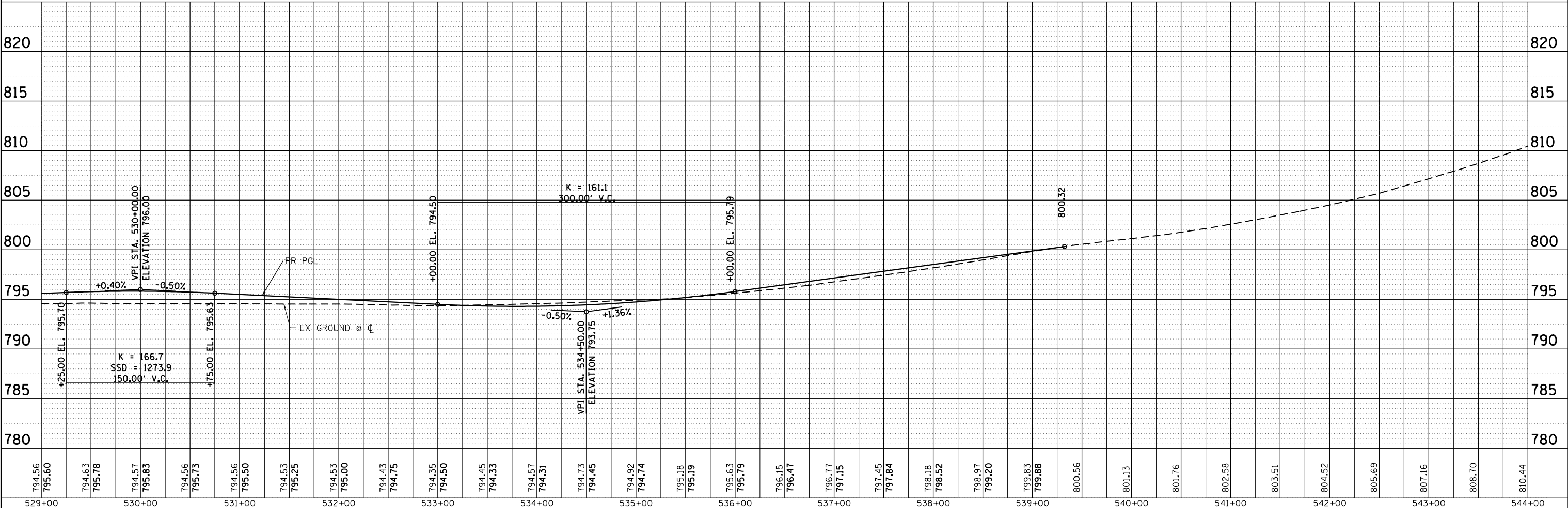
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHORD	
	NO.	
	BY	

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-597-7777
 FILE NAME: 266-597-7777-03.dgn
 PEN TABLE: pen.tbl



**PROJECT ENDS
STA 539 + 32.53**

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



794.56	795.60	794.63	795.78	794.57	795.83	794.56	795.73	794.56	795.50	794.53	795.25	794.53	795.00	794.43	794.75	794.35	794.50	794.45	794.33	794.57	794.31	794.73	794.45	794.92	794.74	795.18	795.19	795.63	795.79	796.15	796.47	796.77	797.15	797.45	797.84	798.18	798.52	798.97	799.20	799.83	799.88	800.56	801.13	801.76	802.58	803.51	804.52	805.69	807.16	808.70	810.44
529+00	530+00	531+00	532+00	533+00	534+00	535+00	536+00	537+00	538+00	539+00	540+00	541+00	542+00	543+00	544+00																																				

HRGreen.com
 Micro Professional Design Firm
 #184-001322

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
ILLINOIS ROUTE 19**

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 529+00 TO STA. 539+32.53

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	18
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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.

STAGE 1 - CONSTRUCTION ILLINOIS ROUTE 19

CONSTRUCT PAVEMENT ON THE SOUTH SIDE OF ILLINOIS ROUTE 19.

PERFORM STORM SEWER INSTALLATION.

PERFORM WATER MAIN CONSTRUCTION.

STAGE 1 - SUGGESTED MAINTENANCE OF TRAFFIC ILLINOIS ROUTE 19

INSTALL LANE CLOSURE ADVANCED SIGNING ACCORDING TO THE PLANS.

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

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

REMOVE ALL CONFLICTING PAVEMENT MARKINGS ALONG ILLINOIS ROUTE 19 AND INSTALL TEMPORARY PAVEMENT MARKING AND TRAFFIC CONTROL FOR EASTBOUND AND WESTBOUND LANE DROPS.

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

STAGE 2 - CONSTRUCTION ILLINOIS ROUTE 19

CONSTRUCT PAVEMENT ON THE NORTH SIDE OF ILLINOIS ROUTE 19.

CONTINUE STORM SEWER INSTALLATION.

CONTINUE WATER MAIN CONSTRUCTION.

STAGE 2 - SUGGESTED MAINTENANCE OF TRAFFIC ILLINOIS ROUTE 19

ADJUST ADVANCED SIGNING ACCORDING TO THE PLANS FOR STAGE 2 CONSTRUCTION.

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

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

REMOVE ALL CONFLICTING EXISTING AND TEMPORARY PAVEMENT MARKINGS FROM STAGE 1 ALONG ILLINOIS ROUTE 19 AND INSTALL TEMPORARY PAVEMENT MARKING AND TRAFFIC CONTROL FOR EASTBOUND AND WESTBOUND LANE DROPS.

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

END CONSTRUCTION

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

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

REMOVE ALL CONSTRUCTION SIGNING AND TRAFFIC CONTROL MEASURES.

UNCOVER ALL PERMANENT SIGNS.

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

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

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



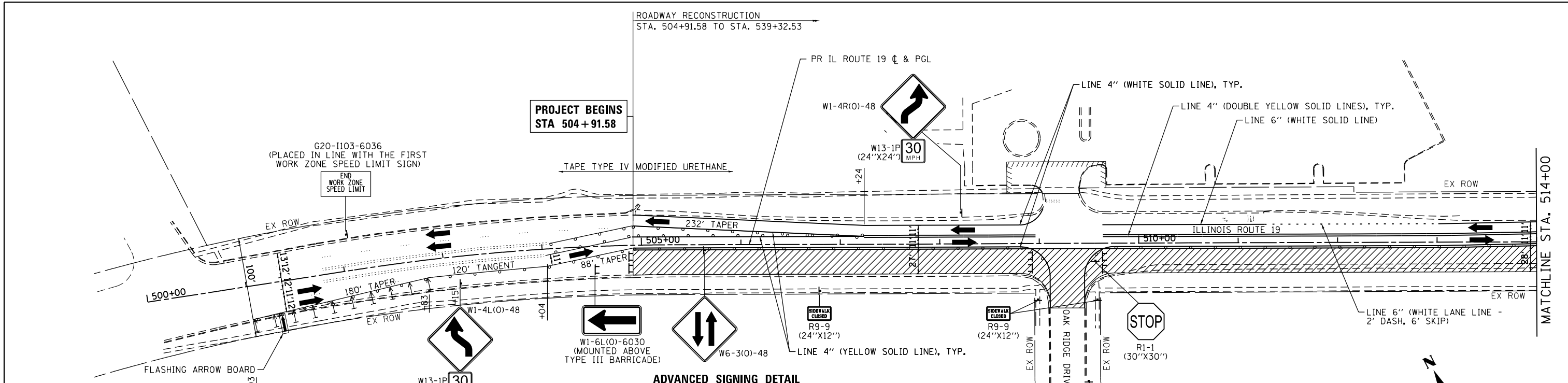
USER NAME = #USER#	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE = #SCALE#	CHECKED - TEH	REVISED -
PLOT DATE = #DATE#	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION			
SCALE:	SHEET 2 OF 6 SHEETS	STA.	TO STA.

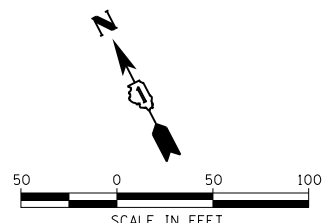
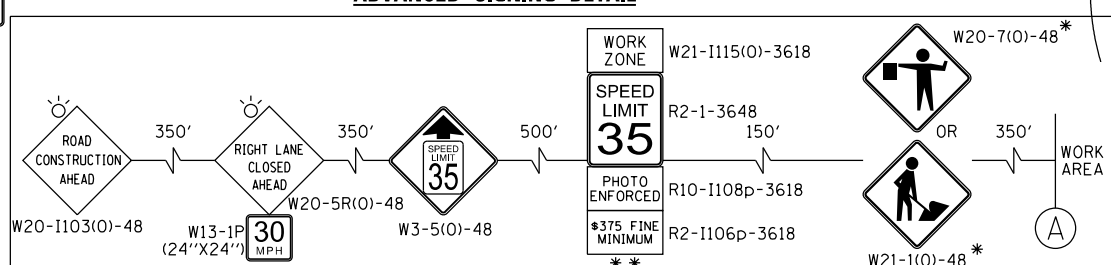
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	20
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

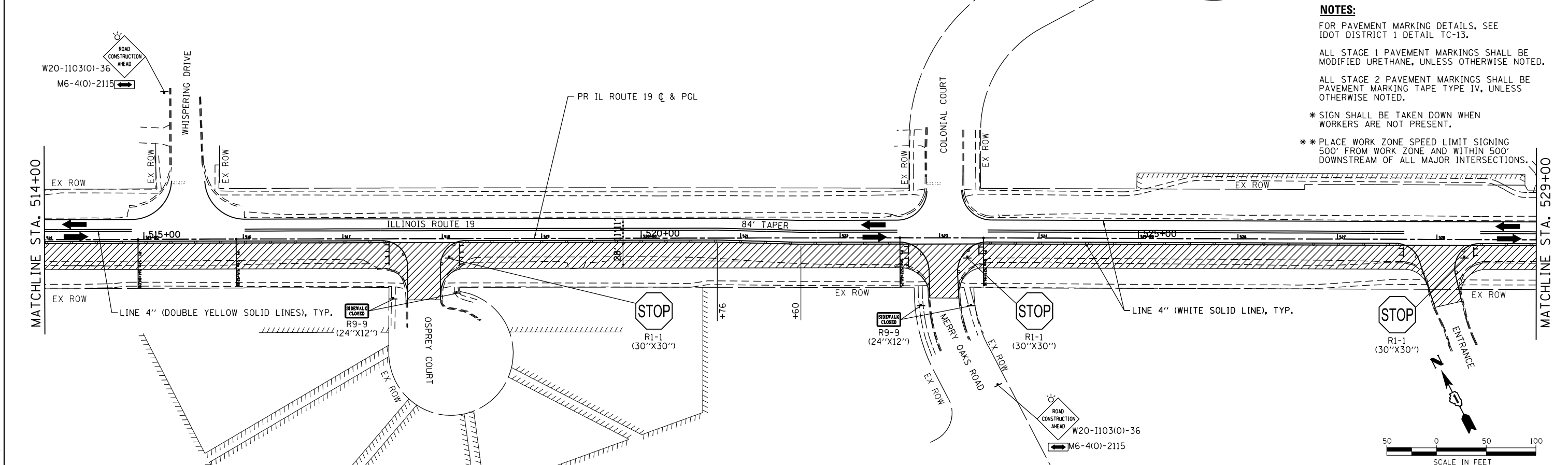


LEGEND:

- WORK ZONE (HMA PAVEMENT)
- DIRECTION OF TRAFFIC
- 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.



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



NOTES:

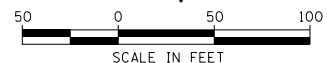
FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

ALL STAGE 1 PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE, UNLESS OTHERWISE NOTED.

ALL STAGE 2 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE TYPE IV, UNLESS OTHERWISE NOTED.

* 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.



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-mof-01-02.cgm
 FILE NUMBER: 266-srt-mof-01-02.cgm
 PEN TABLE: pof01tbl.tbl

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

USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 ILLINOIS ROUTE 19**

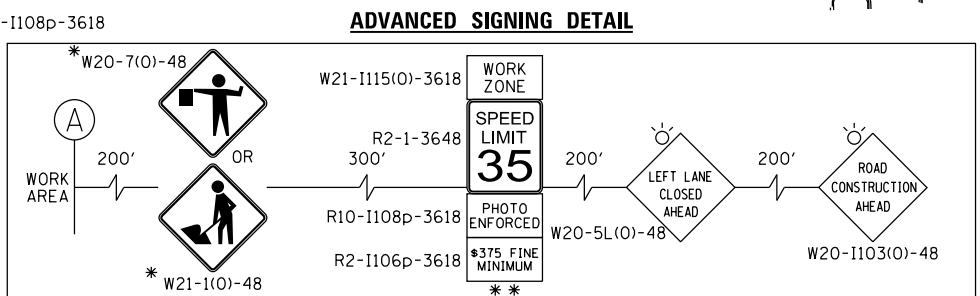
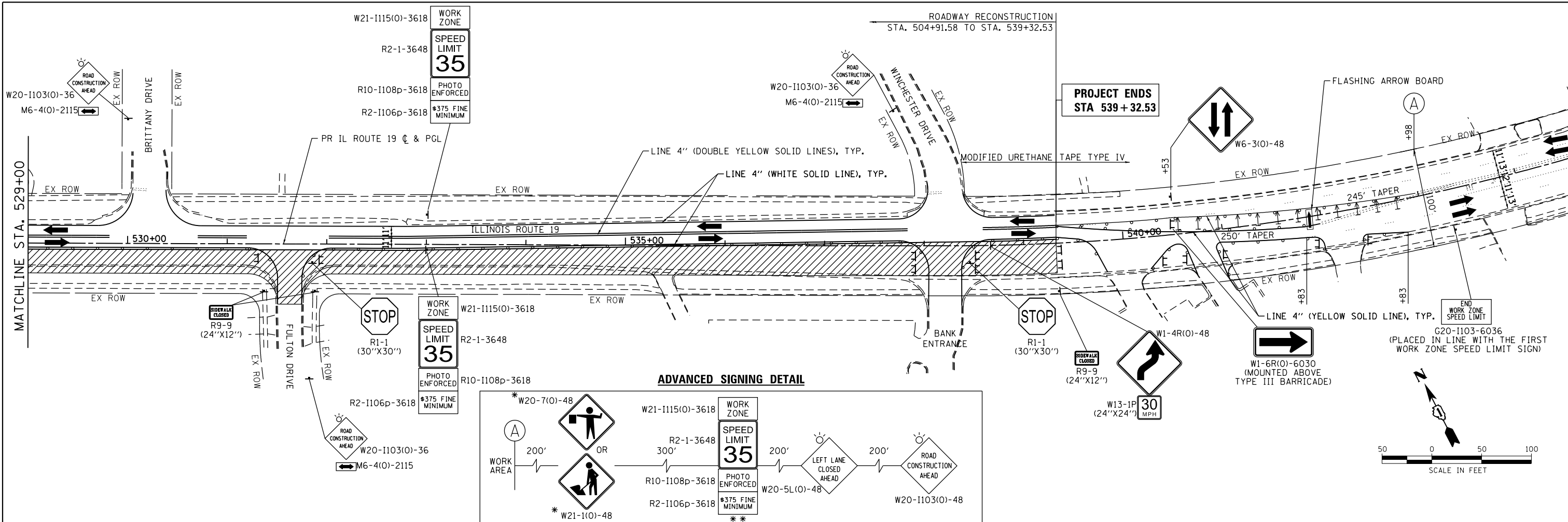
SCALE: 1"=50' SHEET 3 OF 6 SHEETS STA. 504+91.58 TO STA. 529+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	21
				CONTRACT NO. 61F41
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-mot-01-02.dgn
 FILE NUMBER: 266-srt-mot-01-02.dgn
 PEN TABLE: pofc06tbl.tbl



NOTES:
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 ALL STAGE 1 PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE, UNLESS OTHERWISE NOTED.
 ALL STAGE 2 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE TYPE IV, UNLESS OTHERWISE NOTED.
 * 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)
	DIRECTION OF TRAFFIC
	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.

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 ILLINOIS ROUTE 19

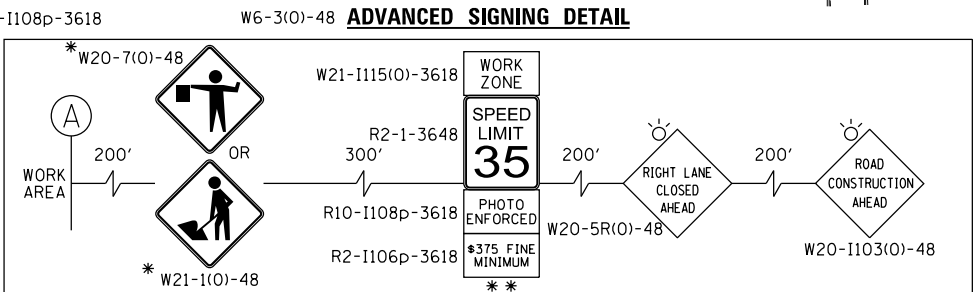
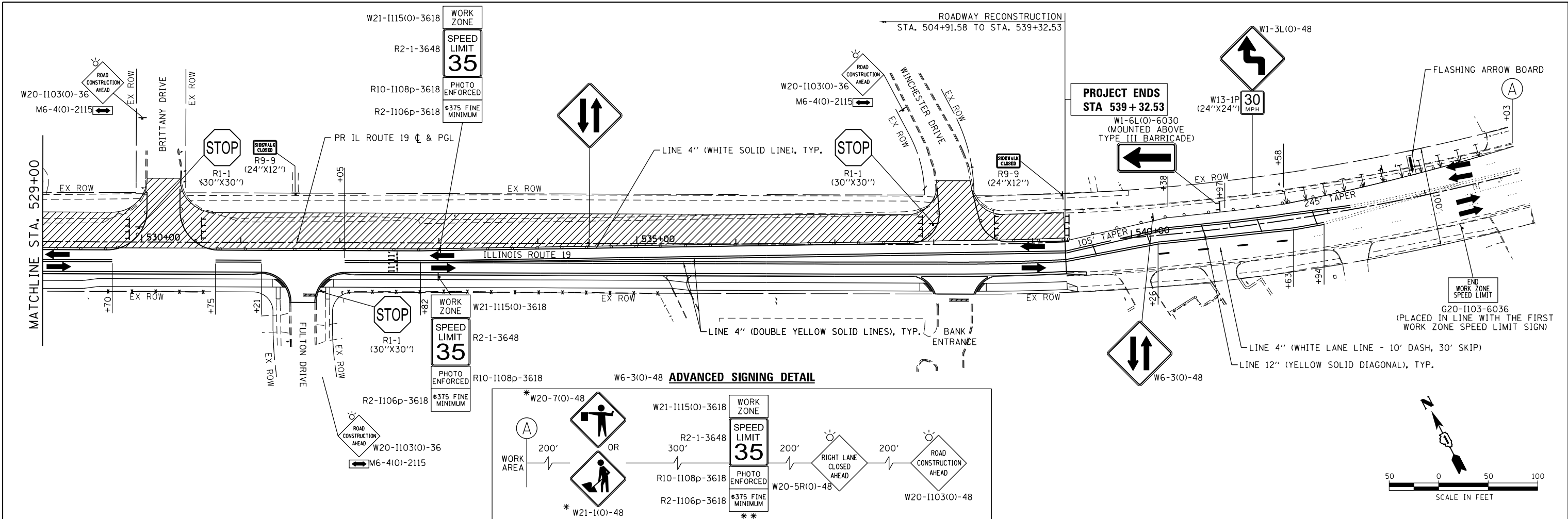
SCALE: 1"=50' SHEET 4 OF 6 SHEETS STA. 529+00 TO STA. 539+32.53

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	22
				CONTRACT NO. 61F41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILED
	NO. _____
	DATE _____

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-mr02-02.dgn
 FILE NAME: 266-srt-mr02-02.dgn
 PEN TABLE: p01tbl.tbl



NOTES:

- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
- ALL STAGE 1 PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE, UNLESS OTHERWISE NOTED.
- ALL STAGE 2 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE TYPE IV, UNLESS OTHERWISE NOTED.
- * 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)
	DIRECTION OF TRAFFIC
	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.

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

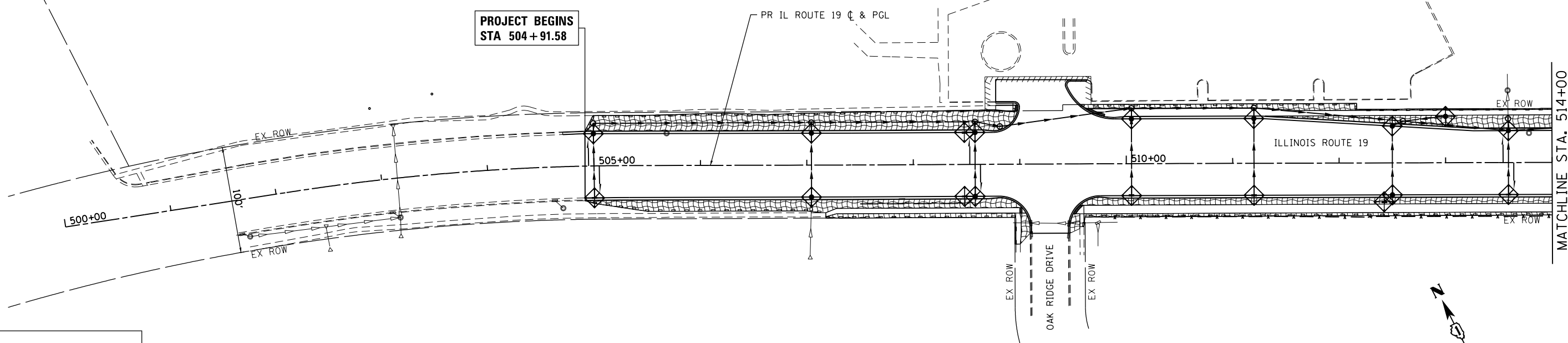
USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
ILLINOIS ROUTE 19
 SCALE: 1"=50' SHEET 6 OF 6 SHEETS STA. 529+00 TO STA. 539+32.53

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	24
				CONTRACT NO. 61F41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

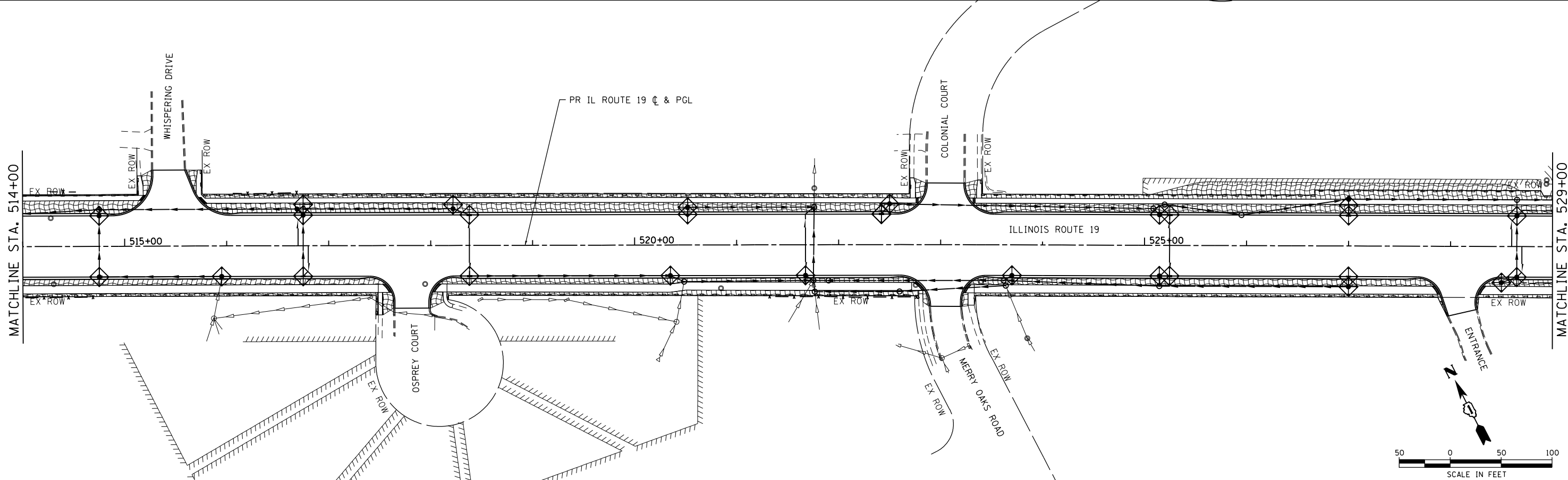
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	DATE	
	BY	
	NO.	



LEGEND:

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

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



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-577-9900-04dgn
 FILE NUMBER: 10-00055-00-01
 PEN TABLE: 10-00055-00-01



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
 ILLINOIS ROUTE 19**

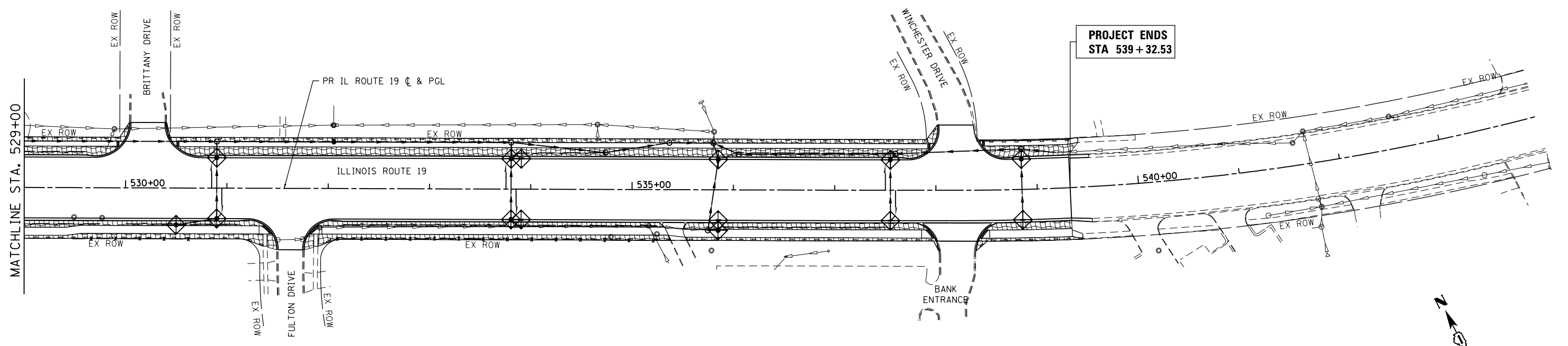
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 504+91.58 TO STA. 529+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	25
				CONTRACT NO. 61F41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

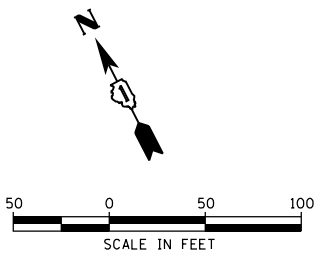
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-577-9900-02.dgn
 FILE NUMBER: 11/15/2018
 PEN TABLE: p01tbl.tbl



LEGEND:

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



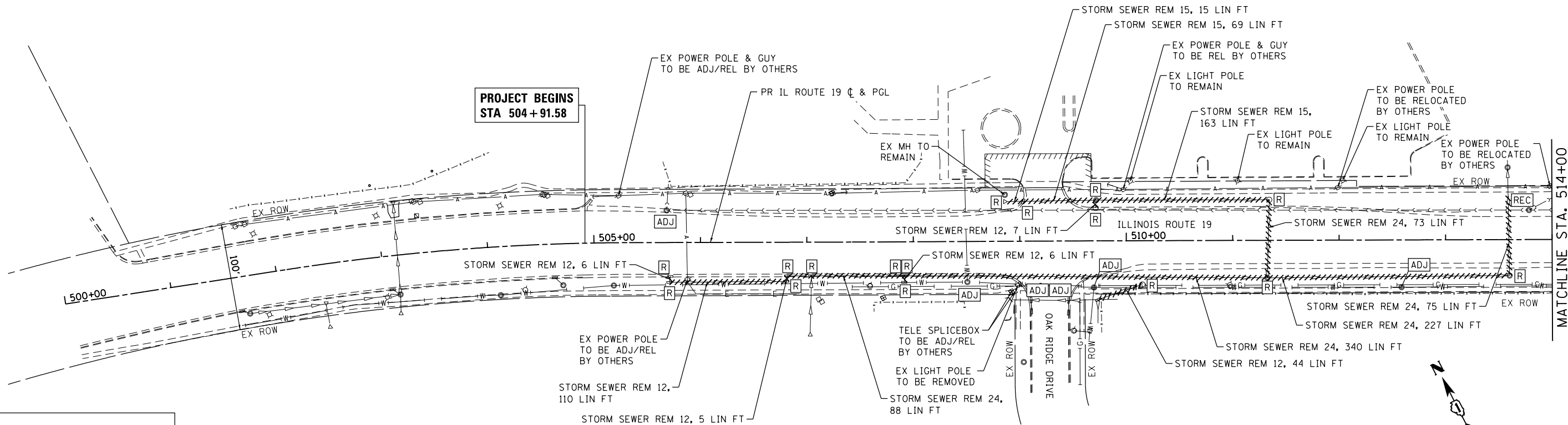
USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN			
ILLINOIS ROUTE 19			
SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA. 529+00 TO STA. 539+32.53

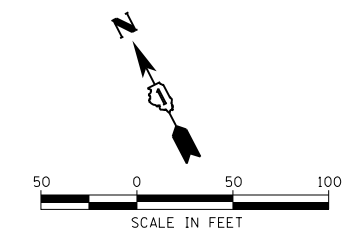
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	26
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.:	
	NO.:	

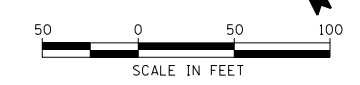
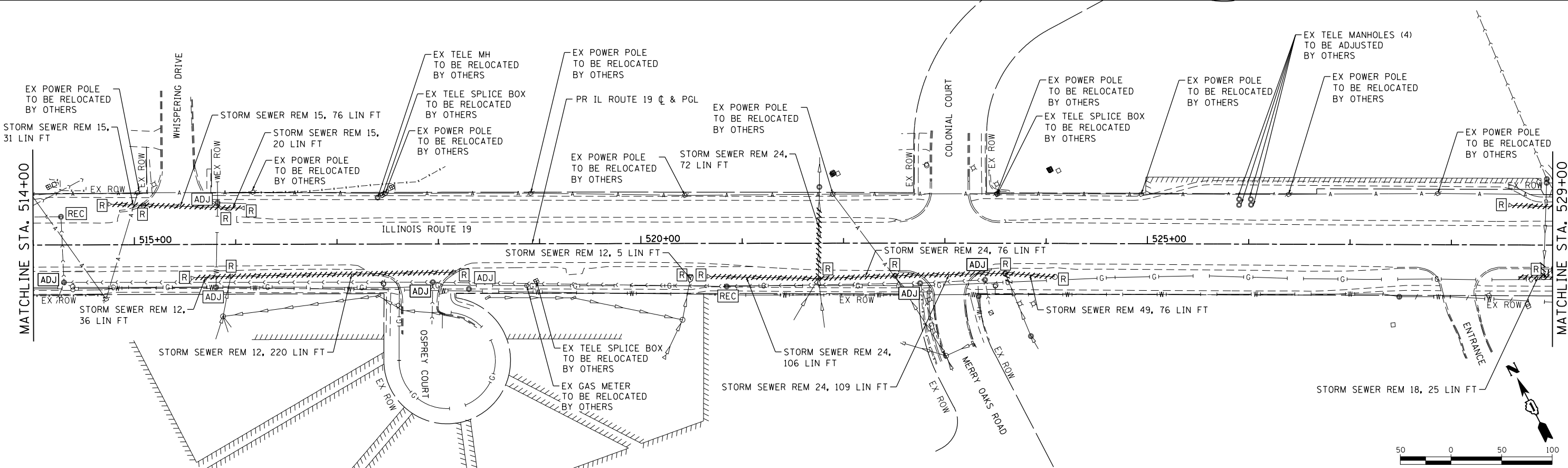


LEGEND:

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



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



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-ar@hrm-01.dgn
 FILE NAME: 10-00055-00-116.dwg
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE REMOVAL AND ADJUSTMENT PLAN
 ILLINOIS ROUTE 19**

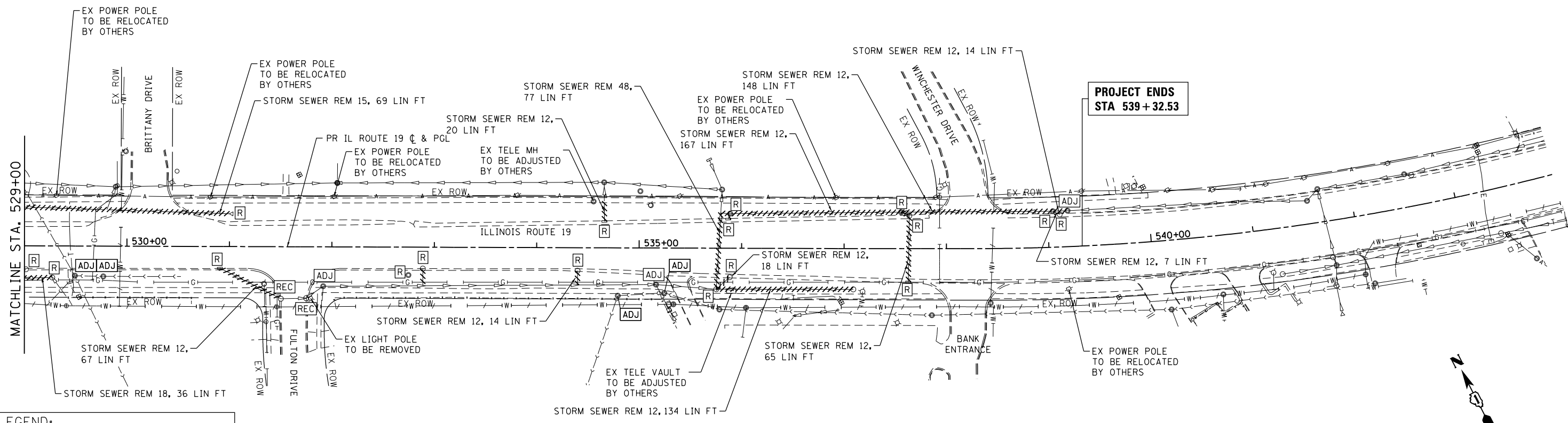
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 504+91.58 TO STA. 529+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	27
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

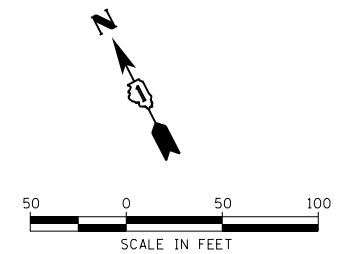
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS CHKD	
	NO.	

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-dra/rr-02.dgn
 FILE NUMBER: 266-srt-dra/rr-02.dgn
 PEN TABLE: p01tbl.tbl



LEGEND:

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



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE REMOVAL AND ADJUSTMENT PLAN			
ILLINOIS ROUTE 19			
SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA. 529+00 TO STA. 539+32.53

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	28
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 61F41				

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)	48" (FOOT)
ILLINOIS ROUTE 19				20800150	55100500				
505+71	37.4	505+72	31.6		6.0				
505+71	37.4	506+81	36.7		110.0				
506+81	36.7	506+81	31.6		5.5				
506+81	31.6	507+04	31.6				23.0		
507+04	34.2	507+04	31.6				3.0		
507+04	31.6	507+92	31.8				88.0		
507+91	38.0	507+92	31.8		6.5				
507+92	31.8	511+33	35.2				340.5		
508+89	-37.2	509+03	-37.4			15.0			
509+03	-37.4	509+72	-38.2			69.0			
509+71	-30.9	509+72	-38.2		7.5				
509+72	-38.2	511+34	-38.1			163.0			
510+15	41.1	509+73	55.1		44.0				
511+33	35.2	513+60	33.7				227.5		
511+34	-38.1	511+33	35.2				73.5		
513+60	33.7	513+59	-41.2				75.0		
515+09	-39.0	514+78	-40			31.0			
515+85	-36.4	515+09	-39			76.5			
515+95	31.6	515+59	32.8		36.0				
516+05	-35.8	515+85	-36.4			20.5			
518+15	28.0	515+95	31.6		220.0				
520+69	32.7	521+75	34.9				106.5		
521+75	34.9	521+76	-36.9				72.0		
522+51	32.3	521+75	34.9				76.0		
523+60	29.7	522+51	32.3				109.0		
524+09	33.0	523+60	29.7			49.5			
523+64	40.0	523+60	29.7			11.5			
528+60	-39.1	529+80	-35.5			120.5			
528+90	16.9	528+91	31.6			15.0			
528+91	31.6	528+66	31.6			25.5			
529+01	22.9	528+91	31.6		13.5				
529+27	30.8	528+91	31.6			36.0			
531+00	-32.0	529+80	-35.6			120.0			
530+91	21.1	531+50	50.8		67.0				
532+89	20.9	532+89	37.7		17.0				
534+40	22.5	534+40	36.4		14.0				
534+66	-45.6	534+66	-25.8		20.0				
535+88	28.3	535+75	40.1		17.5				
537+09	39.8	535+75	40.1		134.0				
535+75	40.1	535+80	-36.9					77.5	
535+89	-33.8	535+80	-34.3			9.5			
535+87	-28.5	535+89	-33.8		5.5				
537+56	-35.6	535+89	-33.8			167.0			
539+05	-35.1	537+56	-35.6		148.5				
537+56	-35.6	537+64	-32.1		9.0				
537+63	32.6	537+64	-32.1		65.0				
539+20	-35.1	539+05	-35.1		14.5				
539+12	-31.8	539+05	-35.1		7.5				
SUBTOTAL ILLINOIS ROUTE 19				0	969	792	138	1194	78
TOTAL				0	969	792	138	1194	78

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-dra/rram-sch/agn
 FILE NAME: 10-00055-00-19
 PEN TABLE: p01tbltbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PIPE REMOVAL SCHEDULE
 ILLINOIS ROUTE 19

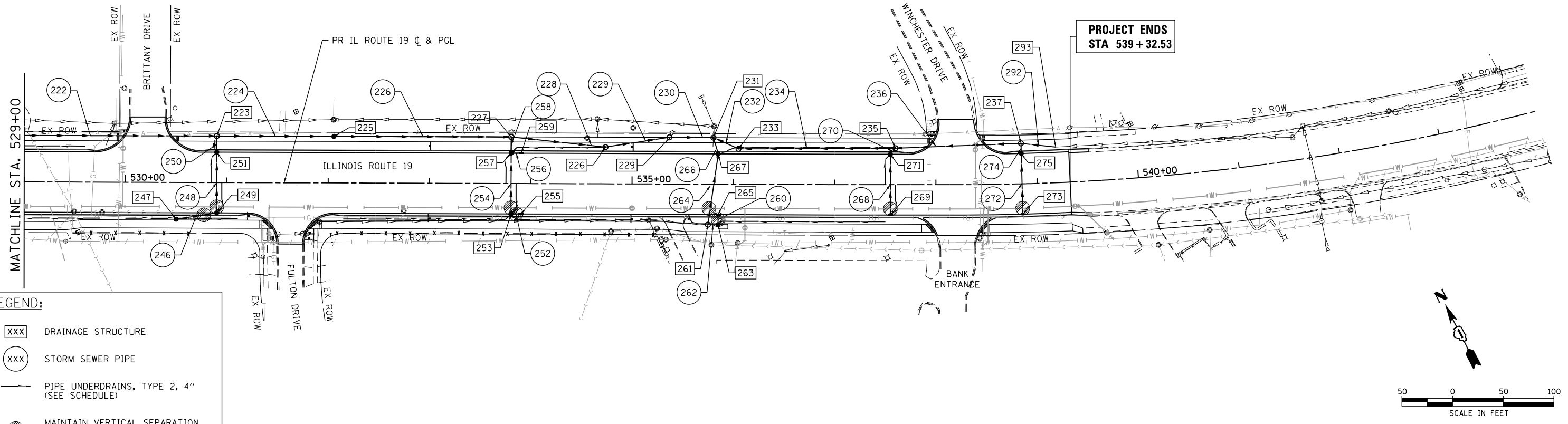
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	30
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

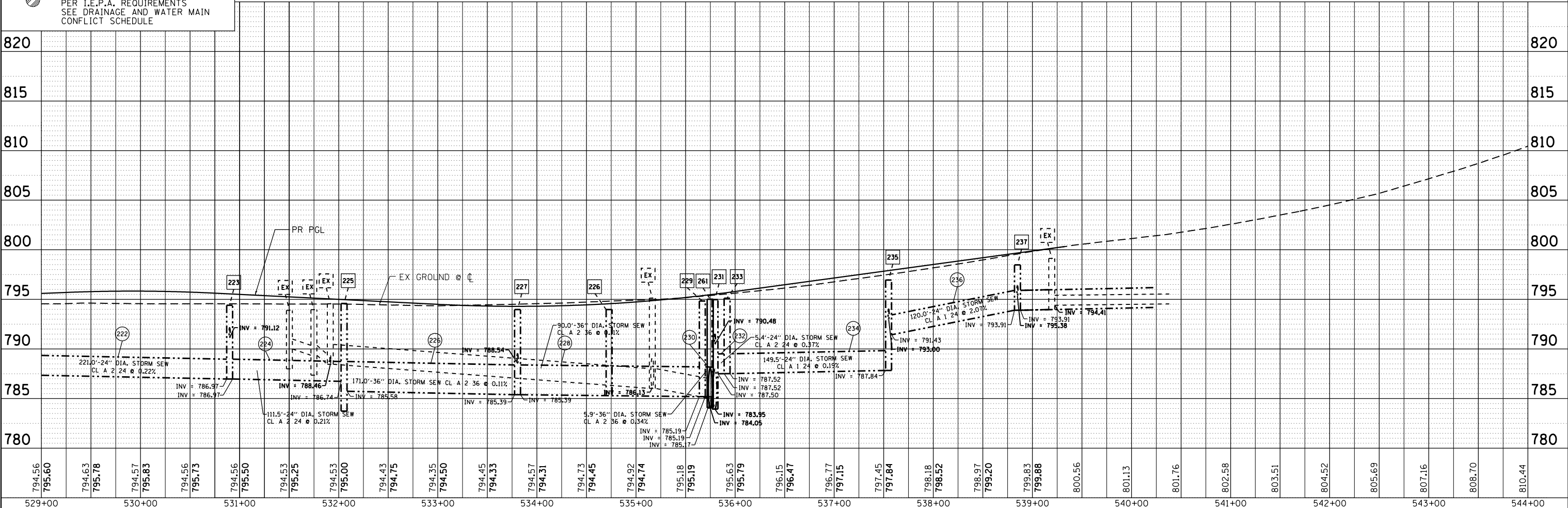
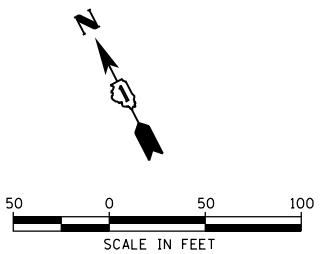
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOT THIS CHAD	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	
	NO. 7	
	NO. 8	
	NO. 9	
	NO. 10	

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-397-699-03.dgn
 FILE NAME: 61F19
 PEN TABLE: 61F19.tbl



LEGEND:

- XXX DRAINAGE STRUCTURE
- XXX STORM SEWER PIPE
- PIPE UNDERDRAINS, TYPE 2, 4" (SEE SCHEDULE)
- MAINTAIN VERTICAL SEPARATION PER I.E.P.A. REQUIREMENTS SEE DRAINAGE AND WATER MAIN CONFLICT SCHEDULE



794.56	795.60	794.63	795.78	794.57	795.83	794.56	795.73	794.56	795.50	794.53	795.25	794.53	795.00	794.43	794.75	794.35	794.50	794.45	794.33	794.57	794.31	794.73	794.45	794.92	794.74	795.18	795.19	795.63	795.79	796.15	796.47	796.77	797.15	797.45	797.84	798.18	798.52	798.97	799.20	799.83	799.88	800.56	801.13	801.76	802.58	803.51	804.52	805.69	807.16	808.70	810.44	820	815	810	805	800	795	790	785	780	529+00	530+00	531+00	532+00	533+00	534+00	535+00	536+00	537+00	538+00	539+00	540+00	541+00	542+00	543+00	544+00
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	-----	-----	-----	-----	-----	-----	-----	-----	-----	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

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

USER NAME = jhorwt	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN AND PROFILE
 ILLINOIS ROUTE 19**

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 529+00 TO STA. 539+32.53

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	33
CONTRACT NO. 61F41				
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
ILLINOIS ROUTE 19														
9	513+00.0	-43.50	CB TC T8G	784.67					782.30					
11	505+00.0	-40.00	MAN TA 4 DIA T1F CL	784.45						779.91		779.91		
13	507+04.3	-40.00	MAN TA 6 DIA T1F CL	785.20				779.31		776.89		776.89		
15	508+58.1	-40.00	MAN TA 6 DIA T1F CL	782.85				776.74		777.66	776.74			
16	508+81.42	-35.52	MAN TA 6 DIA T1F CL	782.00	776.72		776.72							
17	510+05.0	-52.00	MAN TA 6 DIA T1F CL	782.85				776.60		777.98		776.60		
19	511+20.0	-52.00	MAN TA 6 DIA T1F CL	784.36				776.49		779.39		776.49		
21	512+60.0	-39.17	MAN TA 5 DIA T1F CL	785.84	781.93				781.00			776.36		
23	513+59.0	-30.00	MAN TA 6 DIA T24F&G	787.61				776.27		783.04		783.04		786.42
25	513+58.8	-41.26	MAN TA 8D T1F CL R-P	785.87				EX 776.25		776.25				
27	505+00.0	30.00	INLETS TA T24F&G	783.50								782.31		
29	505+00.0	-30.00	CB TA 4 DIA T24F&G	785.02						779.97				783.83
31	507+04.3	30.00	CB TA 4 DIA T24F&G	782.63						777.05				
33	507+04.3	-30.00	CB TA 4 DIA T24F&G	782.63						776.92				
35	508+48.1	30.00	INLETS TA T24F&G	782.07								778.07		
37	508+58.1	30.00	CB TA 4 DIA T24F&G	782.07				778.00					780.88	780.88
39	508+48.1	-30.00	INLETS TA T24F&G	782.07								778.07		
41	508+58.1	-30.00	CB TA 4 DIA T24F&G	782.07				777.72		777.72				780.88
43	510+05.0	30.00	INLETS TA T24F&G	782.73				778.73						
45	510+05.0	-42.00	CB TA 4 DIA T24F&G	782.49				778.04		778.04				
47	511+20.0	30.00	INLETS TA T24F&G	784.14										
49	511+20.0	-42.00	CB TA 4 DIA T24F&G	783.90						779.45				
51	512+42.3	36.50	CB TC T8G	785.75										
53	512+50.0	30.00	CB TA 4 DIA T24F&G	786.03						781.68				
55	512+50.0	-34.55	CB TA 4 DIA T24F&G	785.94	781.08					781.08				
57	513+59.0	30.00	INLETS TA T24F&G	787.61				783.61					786.42	
59	514+75.0	-36.00	MAN TA 5 DIA T1F CL	788.60					783.37	785.03		784.57		
61	516+59.0	-36.00	CB TA 4 DIA T8G	790.10					785.55	785.55		786.95		
63	518+22.0	-36.00	CB TA 4 DIA T8G	793.77					788.38			790.38		
65	514+75.0	30.00	CB TA 4 DIA T24F&G	789.29				785.33				785.33		
67	514+75.0	-30.00	CB TA 4 DIA T24F&G	789.29				785.05		785.05				
69	515+95.1	31.73	CB TA 4 DIA T24F&G	791.03										
71	516+75.0	30.00	INLETS TA T24F&G	792.19				788.19					791.00	
73	516+75.0	-30.00	CB TA 4 DIA T24F&G	792.19				785.62		787.62				791.00
75	518+38.0	-30.00	INLETS TA T24F&G	794.54					790.54					793.35
101	518+38.0	30.00	INLETS TA T24F&G	794.54								791.69	793.35	
103	520+35.0	30.00	CB TA 4 DIA T24F&G	796.03				790.72				790.72		
105	520+48.5	35.94	MAN TA 4 DIA T1F CL	796.18				790.68		EX		790.68		
107	521+75.2	34.86	MAN TA 6 DIA T1F CL	795.50							784.00	785.76		
109	521+90.1	35.06	MAN TA 8D T1F CL R-P	795.55								785.80		
111	523+61.9	34.98	MAN TA 5 DIA T1F CL	794.61	790.25				785.80	786.00		787.00		
113	525+14.6	40.00	MAN TA 6 DIA T1F CL	794.14				789.00				788.65		
115	527+00.0	40.00	CB TA 4 DIA T8G	794.15				789.20						
117	520+52.0	-30.00	INLETS TA T24F&G	796.05										
119	520+52.0	-37.00	CB TA 4 DIA T24F&G	795.18						792.51		792.51		
121	521+76.1	-37.00	MAN TA 5 DIA T1F CL	794.82				EX 782.08	791.32	782.08				793.63
123	521+76.6	46.00	MAN TA 4 DIA T1F CL	795.80				782.17				784.02		
125	523+64.0	40.00	MAN TA 4 DIA T1F CL	794.63				784.50			EX 784.50			
127	521+67.5	30.00	CB TC T24F&G	795.72							792.00		794.53	
129	523+70.0	30.00	CB TC T24F&G	794.31						790.31				
131	525+14.6	30.00	CB TA 4 DIA T24F&G	793.63						789.06		789.06		
133	525+24.6	30.00	INLETS TA T24F&G	793.63				789.13					792.44	
135	527+00.0	30.00	INLETS TA T24F&G	794.20						789.27				
201	522+50.0	-40.00	CB TA 4 DIA T8G	794.26						789.90		789.90		
202	525+19.55	-40.00	MAN TA 4 DIA T1F CL	795.16						789.54		789.54		
203	525+08.6	-36.00	MAN TA 4 DIA T1F CL	795.14	789.60			789.60			789.60			
204	525+94.9	-30.00	MH TA 4 DIA T24F&G	793.78				789.10				789.10		
205	527+00.0	-45.80	CB TA 5 DIA T8G	792.64				788.44		789.09		787.94		
207	528+65.00	-45.87	MAN TA 5 DIA T1F CL	793.98				787.42			788.57	787.42		
209	522+42.0	-30.00	INLETS TA T24F&G	795.21				790.00						
211	525+14.6	-30.00	CB TA 4 DIA T24F&G	793.63				789.66				789.66		
213	525+24.6	-30.00	INLETS TA T24F&G	793.63					789.73					792.44
215	527+00.0	-30.00	INLETS TA T24F&G	794.20				789.16						
217	528+50.0	35.41	CB TC T8G	794.33								788.96		
219	528+65.0	30.00	CB TA 4 DIA T24F&G	794.86				788.89					793.67	793.67
221	528+65.0	-30.00	CB TA 4 DIA T24F&G	794.86				788.61		788.61				793.67
223	530+90.00	-45.90	MAN TA 5 DIA T1F CL	794.40				786.93	791.12			786.93		
225	532+05.5	-46.00	CB TA 5 DIA T8G	794.58				786.74				785.58	793.39	
226	534+73.71	-36.30	MAN TA 6 DIA T1F CL		785.29		785.29							
227	533+80.56	-46.00	MAN TA 6 DIA T1F CL	793.97				785.39		788.54		785.39		
229	535+36.72	-46.20	MAN TA 8D T1F CL R-P	794.84					785.23			785.23		
231	535+80.20	-46.00	MAN TA 8 DIA T1F CL	794.98				EX 783.95	785.11	783.95	790.48	787.50		
233	536+05	-35.10	MAN TA 8D T1F CL R-P	795.11					787.55			787.55		
235	537+60	-35.90	MAN TA 5 DIA T1F CL	796.95					787.84	793.00		791.43		
237	538+85.0	-40.00	MAN TA 5 DIA T1F CL	798.48					793.91	795.38		793.91		

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.: 8660266
 HRG PROJ. CONTACT: 266-srt-drain-Schdgn
 FILE NAME: 10-00055-00-019
 PEN TABLE: 10-00055-00-019



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE STRUCTURE SCHEDULE			
ILLINOIS ROUTE 19			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	34
CONTRACT NO. 61F41				
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	EAST
ILLINOIS ROUTE 19																
247	530+50.0	36.31	CB TC T1F 0L	794.60									791.62		793.41	793.41
249	530+90.0	30.00	CB TA 4 DIA T24F&G	794.95		791.43			791.43					793.76		
251	530+90.0	-30.00	CB TA 4 DIA T24F&G	794.95		791.15				791.15					793.76	
253	533+80.6	30.00	CB TA 4 DIA T24F&G	793.70		789.13						789.13	792.51	792.51	792.51	792.51
255	533+90.6	29.97	INLETS TA T24F&G	793.70				789.20	793.70					792.51	792.51	792.51
257	533+80.6	-30.00	CB TA 4 DIA T24F&G	793.70		788.57				788.57		788.57				
259	533+90.6	-30.00	INLETS TA T24F&G	793.70				788.64								
261	535+75.0	40.00	MAN TA 8 DIA T1F CL	795.02		784.05		EX 785.05				790.38				
263	535+85.0	40.00	CB TA 4 DIA T1F CL	795.17		790.43		790.43								793.98
265	535+85.0	30.00	INLETS TA T24F&G	795.00						790.50						
267	535+85.0	-30.00	CB TC T24F&G	795.00			790.53									793.81
269	537+55.0	30.00	INLETS TA T24F&G	798.11		793.61							796.92			
271	537+55.0	-30.00	CB TA 4 DIA T24F&G	797.30		793.04				793.04					796.11	
273	538+85.0	30.00	INLETS TA T24F&G	800.51		796.01										
275	538+85.0	-30.00	CB TA 4 DIA T24F&G	798.83		795.44				795.44						
293	539+19.6	-35.12	MAN ADJ NEW T1F CL	799.20				793.97				EX 794.41				
295	522+59.6	46.00	MAN TA 4 DIA T1F CL	795.16				784.23				784.23				

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.: 8660266
 HRG PROJ. CONTACT: 266-srt-drain-sch.dgn
 FILE NAME: 266-srt-drain-sch.dgn
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE STRUCTURE SCHEDULE			
ILLINOIS ROUTE 19			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	35
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DRAINAGE PIPE SCHEDULE

LOCATION			SLOPE (%)	TRENCH BACKFILL (CU YD)	STORM SEWERS CLASS A, TYPE 1					STORM SEWERS CLASS A, TYPE 2				STORM SEWER WATER MAIN REQUIREMENTS				
ID NUMBER	UPSTREAM STRUCTURE ID NUMBER	DOWNSTREAM STRUCTURE ID NUMBER			12" (FOOT)	15" (FOOT)	18" (FOOT)	24" (FOOT)	36" (FOOT)	12" (FOOT)	18" (FOOT)	24" (FOOT)	36" (FOOT)	48" (FOOT)	12" (FOOT)	18" (FOOT)	36" (FOOT)	48" (FOOT)
ILLINOIS ROUTE 19 (IRVING PARK ROAD)				20800150	550A0050	550A0070	550A0090	550A0120	550A0120	550A0340	550A0380	550A0410	550A0450	550A0480	Z0056608	Z0056612	Z0056622	Z0056626
8	9	21	1.00%															
10	EX PIPE	31	0.40%	0.9	37.0							2.5						
12	11	13	0.30%															
14	13	15	0.10%														149.0	
15	15	16	0.10%															
16	16	17	0.10%	57.2														
18	17	19	0.10%	122.5														
20	19	21	0.10%	204.4														
22	21	23	0.10%	147.2									135.5					
24	23	25	0.31%	10.2								6.5						
26	27	29	0.50%	10.0	57.5													
28	29	11	1.00%	1.5					6.0									
30	31	33	0.23%	18.1								56.0						
32	33	13	0.55%	4.3								5.5						
34	35	37	1.00%	1.1													7.0	
36	37	41	0.50%	9.7													56.0	
38	39	41	1.00%	1.1													7.0	
40	41	15	1.09%	1.3													5.5	
42	43	45	1.00%	12.0	69.0													
44	45	17	1.09%	1.3						5.5								
46	47	49	1.00%	12.0	69.0													
48	49	19	1.09%	1.3						5.5								
50	51	53	0.93%	1.3	7.5													
52	53	55	0.99%	13.1						60.5								
54	55	21	1.23%	1.6						6.5								
56	57	23	1.00%	11.1	57.0													
58	59	23	0.29%	121.5							112.0							
60	61	59	0.51%	38.1													190.5	
62	63	61	0.95%	24.8	150.0													
64	65	67	0.50%	9.7						56.0								
66	67	59	1.00%	0.4						2.0								
68	69	65	0.50%	25.0													116.0	
70	71	73	1.02%	10.9	56.0													
72	73	61	1.27%	2.0						5.5								
74	75	63	1.07%	2.2	15.0													
102	101	103	0.50%	25.7	194.0													
104	103	105	0.36%	1.6														
106	105	107	0.30%	87.9														
108	109	107	0.42%	16.7														
110	111	109	0.12%	204.8														
112	113	111	0.10%	172.0														
114	115	113	0.30%	130.4														
116	117	119	1.00%	0.6	4.0													
118	119	121	1.00%	119.0														
120	107	121	0.11%	153.8														
122	127	107	0.73%	0.8	5.5													
124	123	107	0.31%	10.4														
126A	295	123	0.27%	121.6														79.0
126B	125	295	0.27%	142.0														100.5
128	129	111	1.00%	1.1	6.0													
130	131	113	1.09%	1.5														
132	133	131	1.00%	1.6														
134	135	115	1.00%	2.0														
202	201	203	0.11%	165.0														
203	202	204	0.60%	2.0														
204	204	205	0.64%	124.2														
206	205	207	0.32%	66.2														
208	209	201	1.00%	1.0														
209	203	202	0.68%	1.0	8.7													
210	211	203	1.00%	1.5	5.5													
212	213	211	1.00%	1.1	7.0													
214	215	205	0.52%	1.7	13.5													
216	217	219	0.54%	4.5														
218	219	221	0.50%	21.5														
220	221	207	0.32%	1.2														
222	207	223	0.22%	248.9														
224	223	225	0.21%															
226	225	227	0.11%															
228	227	226	0.11%															
229	226	229	0.10%															
230	229	231	0.33%															
232	233	231	0.26%															
234	235	233	0.19%															
236	237	235	2.07%	14.9														
246	247	249	0.51%	5.0														
248	249	251	0.50%	7.4														

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.: 8660266
 HRG PROJ. CONTACT: 266-srt-drain-sch.dgn
 FILE NAME: 266-srt-drain-sch.dgn
 PEN TABLE: 266-srt-drain-sch.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PIPE SCHEDULE			
ILLINOIS ROUTE 19			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	36
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DRAINAGE PIPE SCHEDULE

LOCATION			SLOPE (%)	TRENCH BACKFILL	STORM SEWERS CLASS A, TYPE 1					STORM SEWERS CLASS A, TYPE 2				STORM SEWER WATER MAIN REQUIREMENTS				
ID NUMBER	UPSTREAM STRUCTURE ID NUMBER	DOWNSTREAM STRUCTURE ID NUMBER		(CU YD)	12" (FOOT)	15" (FOOT)	18" (FOOT)	24" (FOOT)	36" (FOOT)	12" (FOOT)	18" (FOOT)	24" (FOOT)	36" (FOOT)	48" (FOOT)	12" (FOOT)	18" (FOOT)	36" (FOOT)	48" (FOOT)
ILLINOIS ROUTE 19 (IRVING PARK ROAD)				20800150	550A0050	550A0070	550A0090	550A0120	550A0120	550A0340	550A0380	550A0410	550A0450	550A0480	Z0056608	Z0056612	Z0056622	Z0056626
250	251	223	0.24%	0.4	12.5													
252	255	253	1.00%	1.6										7.0				
254	253	257	1.00%	13.3										56.0				
256	259	257	1.00%	2.0					7.0									
258	257	227	0.25%	0.8					12.0									
260	265	263	1.00%	1.6										7.0				
262	263	261	1.00%	1.9					5.0									
264	261	231	0.14%	125.1													71.5	
266	267	231	0.42%	1.1					12.0									
268	269	271	1.00%	11.1										57.0				
270	271	235	0.87%	0.5	4.6													
272	273	275	1.00%	8.7										57.0				
274	275	237	1.09%	0.8	5.5													
292	293	237	0.20%					29.5										
SUBTOTAL ILLINOIS ROUTE 19				2788.3	903.8	11.0	376.1	479.0	249.0	486.5	421.5	403.0	808.5	167.0	728.5	179.5	149.0	71.5
TOTAL				2,789	904	11	377	479	249	487	422	403	809	167	729	180	149	72

PIPE UNDERDRAIN SCHEDULE

LOCATION						PIPE UNDERDRAINS TYPE 2 4" (FOOT) 60108204
UPSTREAM BEGIN STATION	OFFSET (FOOT)	DOWNSTREAM END STATION	OFFSET (FOOT)	TYPE	TYPE	
ILLINOIS ROUTE 19						
505+00	30.3	LT	505+00	0.0	RT	30.3
505+00	0.0	RT	505+00	30.0	RT	30.0
507+50	36.6	RT	508+58	30.0	RT	110.9
508+58	30.0	RT	508+58	0.0	RT	30.0
508+58	30.0	LT	508+58	0.0	RT	30.0
513+59	0.0	RT	513+59	30.0	RT	30.0
513+59	30.0	LT	513+59	0.0	RT	30.0
516+75	0.0	RT	516+75	30.0	RT	30.0
516+75	0.0	RT	516+75	30.0	LT	30.0
518+38	0.0	RT	518+38	30.0	RT	30.0
518+38	30.0	LT	518+38	0.0	RT	30.0
521+68	30.0	RT	521+68	0.0	RT	30.0
521+68	30.0	LT	521+76	37.0	LT	41.1
525+25	0.0	RT	525+25	30.0	RT	30.0
525+25	0.0	RT	525+25	30.0	LT	30.0
528+65	30.0	RT	529+75	35.6	RT	112.3
528+65	30.0	LT	529+60	35.6	LT	97.5
528+65	0.0	RT	528+65	30.0	RT	30.0
528+65	30.0	LT	528+65	0.0	RT	30.0
530+00	35.6	RT	530+50	35.6	RT	50.0
530+50	35.6	RT	531+11	35.6	RT	60.8
530+90	30.0	RT	530+90	0.0	RT	30.0
530+90	30.0	LT	530+90	0.0	RT	30.0
531+00	35.6	LT	532+06	35.6	LT	105.5
532+10	35.6	LT	533+75	35.6	LT	164.9
532+15	35.6	RT	533+81	30.0	RT	167.9
533+75	35.6	LT	533+81	30.0	LT	8.0
533+81	30.0	LT	535+60	35.6	LT	181.8
533+81	30.0	RT	535+25	35.6	RT	146.7
533+81	30.0	LT	533+81	0.0	RT	30.0
533+81	30.0	RT	533+81	0.0	RT	30.0
535+85	30.0	LT	537+50	36.6	LT	166.1
535+85	40.0	RT	537+50	36.6	RT	166.5
537+55	0.0	RT	537+55	30.0	RT	30.0
537+55	30.0	LT	537+55	0.0	RT	30.0
SUBTOTAL ILLINOIS ROUTE 19						2,210
TOTAL						2,210

WATER MAIN CONFLICT SCHEDULE

LOCATION			CONFLICT TYPE	TOP OF PIPE ELEVATION	BOTTOM OF PIPE ELEVATION	CLEARANCE (FOOT)	MITIGATION
SS PIPE NUMBER	STATION	OFFSET (+ RT, - LT)					
14	508+48.9	-40.0	HORIZONTAL CROSSING	775.21	776.74	1.53	WATER MAIN QUALITY STORM SEWER PIPE.
34	508+50.6	30.0	HORIZONTAL CROSSING	775.21	778.07	2.86	WATER MAIN QUALITY STORM SEWER PIPE.
36			LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
38	508+49.1	-30.0	HORIZONTAL CROSSING	775.21	778.07	2.86	WATER MAIN QUALITY STORM SEWER PIPE.
40			LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
60	515+82.2	-38.3	HORIZONTAL CROSSING	782.65	785.09	2.44	WATER MAIN QUALITY STORM SEWER PIPE.
68	515+80.7	30.0	HORIZONTAL CROSSING	784.14	785.91	1.77	WATER MAIN QUALITY STORM SEWER PIPE.
126A			LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
126B			LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
216			LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
218	528+65.0	24.0	HORIZONTAL CROSSING	787.06	788.87	1.81	WATER MAIN QUALITY STORM SEWER PIPE.
246			LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
248	530+90.0	24.0	HORIZONTAL CROSSING	787.07	791.40	4.33	WATER MAIN QUALITY STORM SEWER PIPE.
252			LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
254	533+80.6	24.0	HORIZONTAL CROSSING	787.07	789.10	2.03	WATER MAIN QUALITY STORM SEWER PIPE.
260			LESS THAN 10' HORIZONTAL SEPERATION				WATER MAIN QUALITY STORM SEWER PIPE.
264	535+76.0	24.0	HORIZONTAL CROSSING	782.55	784.05	1.50	WATER MAIN QUALITY STORM SEWER PIPE.
268	537+55.0	24.0	HORIZONTAL CROSSING	791.49	793.56	2.07	WATER MAIN QUALITY STORM SEWER PIPE.
272	538+85.0	24.0	HORIZONTAL CROSSING	793.11	795.96	2.85	WATER MAIN QUALITY STORM SEWER PIPE.

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-drain-sch.dgn
 FILE NAME: 266-srt-drain-sch.dgn
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PIPE SCHEDULE
 ILLINOIS ROUTE 19**

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	37
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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 CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE WATER MAIN 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 INCIDENTAL TO THE COST OF WATER MAIN.
23. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (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.

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

PROFILE	SURVEYED PLOTTED	BY	DATE
NOTE BOOK NO.	CHECKED STRUCTURE NOTATIONS CHK'D		

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-507-2700/termain@hr.com
 FILE NAME: 266-507-2700/watermain-1066.dgn
 PEN TABLE: 10/20/19



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
PLOT SCALE =	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	CHECKED - TEH	REVISED - XX/XX/XXXX
	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WATER MAIN NOTES
 ILLINOIS ROUTE 19**

SCALE: N.T.S. SHEET 1 OF 7 SHEETS STA. TO STA.

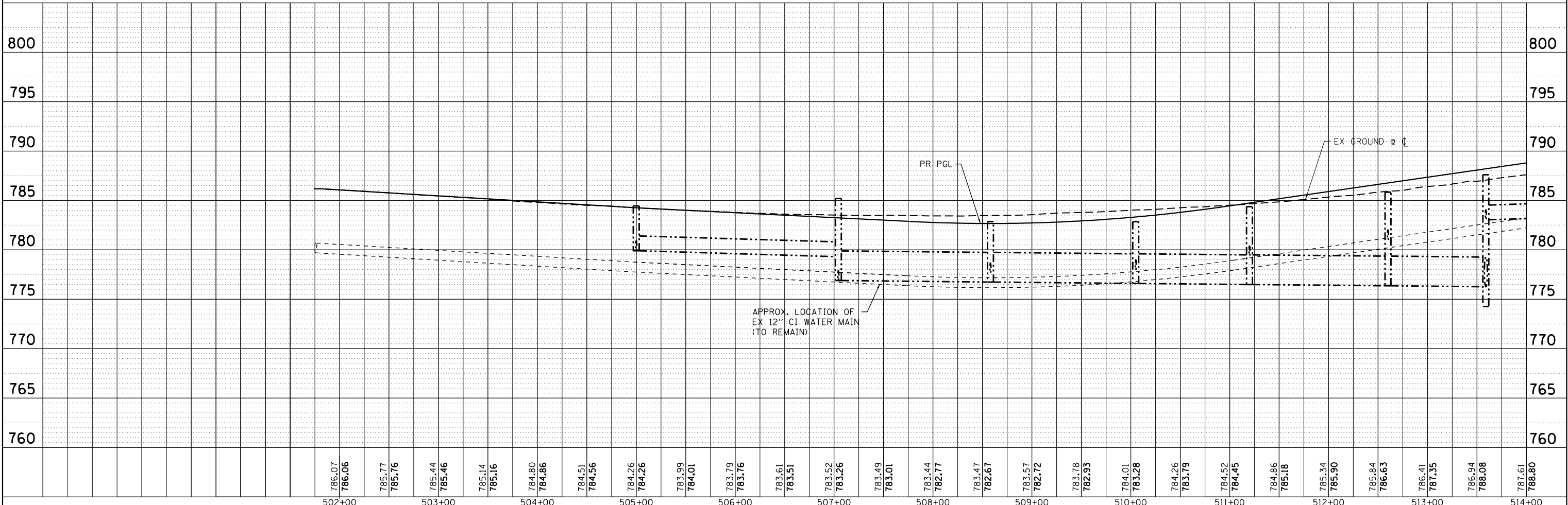
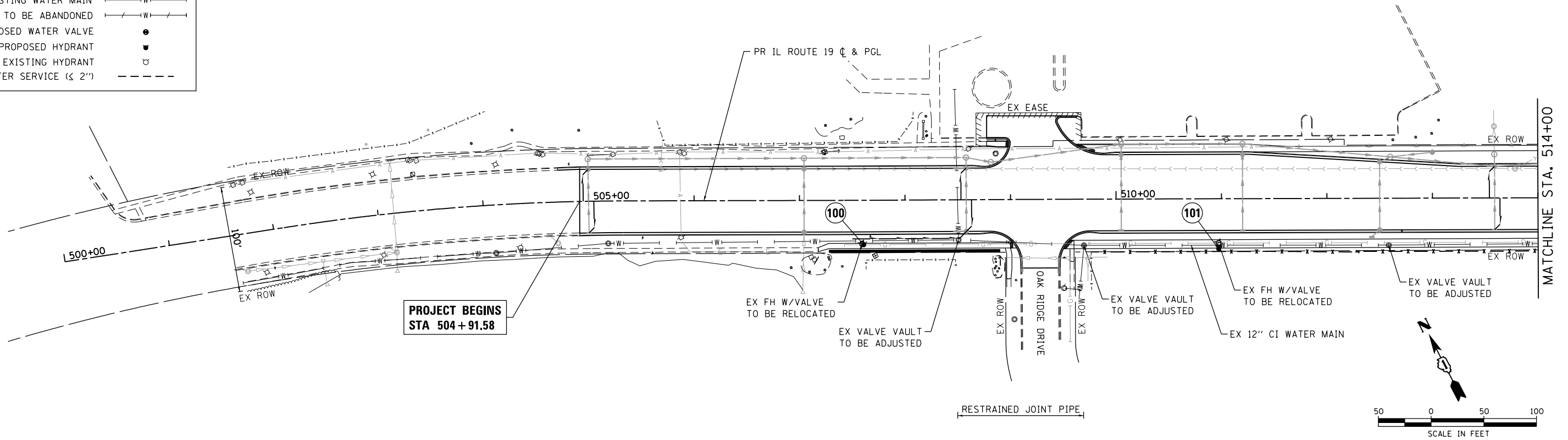
F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	38
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-pr-watmain-01.dgn
 FILE NAME: 266-srt-pr-watmain-01.dgn
 PEN TABLE: pen.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")	---

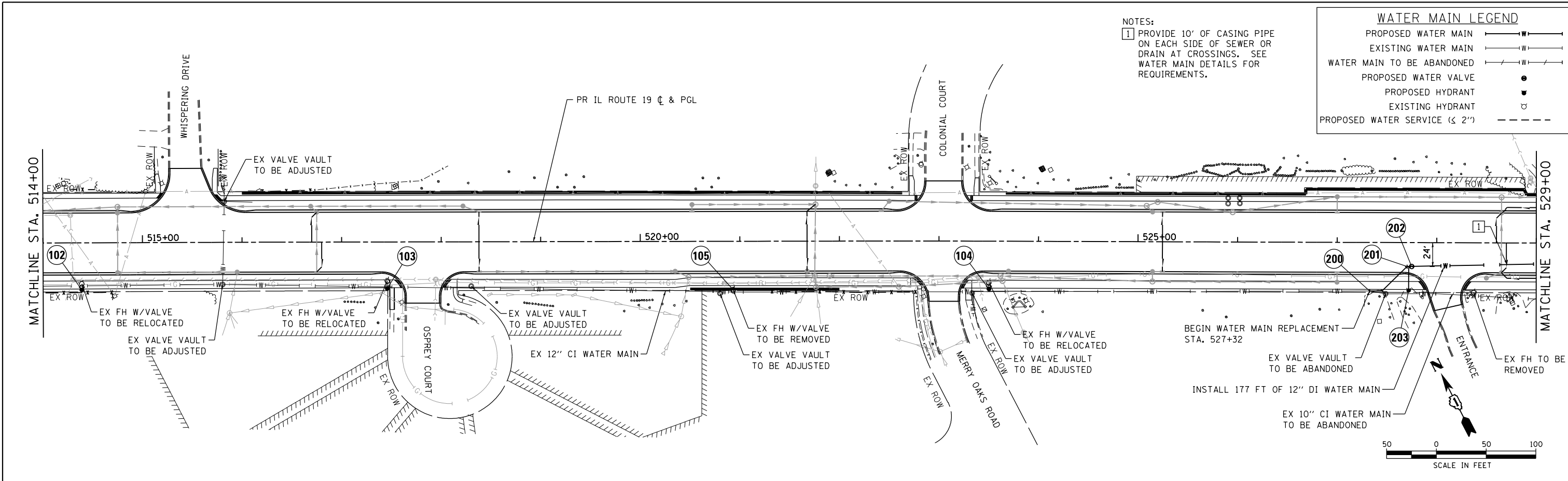


502+00	786.07 786.06	503+00	785.77 785.76	504+00	785.44 785.46	505+00	785.14 785.16	506+00	784.80 784.86	507+00	784.51 784.56	508+00	784.26 784.26	509+00	783.99 784.01	510+00	783.79 783.76	511+00	783.61 783.51	512+00	783.52 783.26	513+00	783.49 783.01	514+00	783.44 782.77	515+00	783.47 782.67	516+00	783.57 782.72	517+00	783.78 782.93	518+00	784.01 783.28	519+00	784.26 783.79	520+00	784.52 784.45	521+00	784.86 785.18	522+00	785.34 785.90	523+00	785.84 786.63	524+00	786.41 787.35	525+00	786.94 788.08	526+00	787.61 788.80
USER NAME = jhorwit		DESIGNED - JRM	REVISIED -	DRAWN - DMS		REVISIED -	CHECKED - TEH		REVISIED -	DATE - 11/15/2018		REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION														WATER MAIN PLAN AND PROFILE ILLINOIS ROUTE 19				F.A.U. RTE. 1321		SECTION NO. 10-00055-00-WR		COUNTY COOK		TOTAL SHEETS 116		SHEET NO. 39		CONTRACT NO. 61F41								
SCALE: 1"=50'														SHEET 2		OF 7 SHEETS		STA. 504+91.58 TO STA. 514+00				FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT																									

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS OK'D	
	FILE NAME	
	NO.	

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

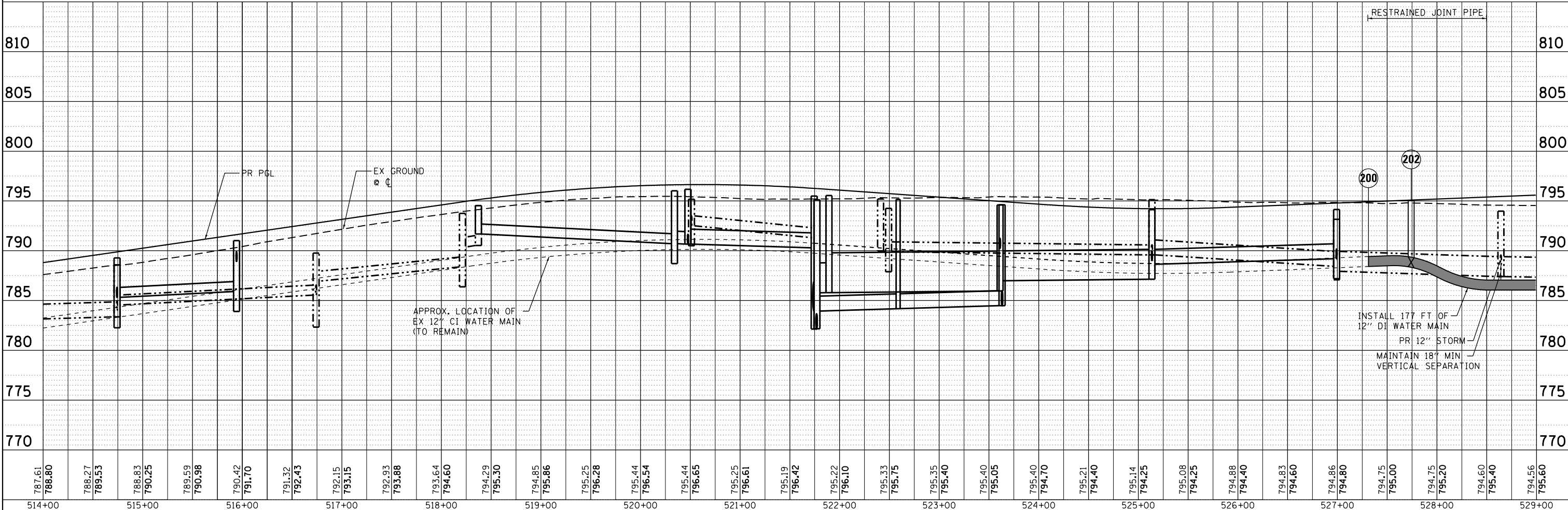
HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-397-1700
 FILE NAME: pr-wm-19-02.dgn
 PEN TABLE: pen.tbl



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

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") - - - - -



787.61	788.80	788.27	789.53	788.53	790.25	789.59	790.98	790.42	791.70	791.32	792.43	792.15	793.15	792.93	793.88	793.64	794.60	794.29	795.30	794.85	795.86	795.25	796.28	795.44	796.54	795.44	796.65	795.25	796.61	795.19	796.42	795.22	796.10	795.33	796.75	795.35	796.40	795.40	796.05	795.40	794.70	795.21	794.40	795.14	794.25	795.08	794.25	794.88	794.40	794.83	794.60	794.86	794.80	794.75	795.00	794.75	795.20	794.60	795.40	794.56	795.60
514+00	515+00	516+00	517+00	518+00	519+00	520+00	521+00	522+00	523+00	524+00	525+00	526+00	527+00	528+00	529+00																																														

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

USER NAME = dstanz	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/8/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WATER MAIN PLAN AND PROFILE
ILLINOIS ROUTE 19

SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. 514+00 TO STA. 529+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	40
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

- 100 RELOCATE HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 4' OF 12" DI WATER MAIN
INSTALL 4' OF 6" DI WATER MAIN
12" X 6" TEE, MJ
2 - 12" TRANSITION COUPLINGS
STA. 507+59.20, 42.00' RT
- 101 RELOCATE HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 4' OF 12" DI WATER MAIN
INSTALL 4' OF 6" DI WATER MAIN
12" X 6" TEE, MJ
2 - 12" TRANSITION COUPLINGS
STA. 510+97.33, 47.50' RT
- 102 RELOCATE HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 4' OF 12" DI WATER MAIN
INSTALL 4' OF 6" DI WATER MAIN
12" X 6" TEE, MJ
2 - 12" TRANSITION COUPLINGS
STA. 514+38.95, 47.25' RT
- 103 RELOCATE HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 4' OF 12" DI WATER MAIN
INSTALL 4' OF 6" DI WATER MAIN
12" X 6" TEE, MJ
2 - 12" TRANSITION COUPLINGS
STA. 517+45.83, 46.75' RT
- 104 RELOCATE HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 4' OF 12" DI WATER MAIN
INSTALL 4' OF 6" DI WATER MAIN
12" X 6" TEE, MJ
2 - 12" TRANSITION COUPLINGS
STA. 523+50.30, 48.00' RT
- 105 REMOVE EXISTING HYDRANT TEE
INSTALL 4' OF 12" DI WATER MAIN
2 - 12" TRANSITION COUPLINGS
STA. 520+93.29, 48.59' RT

- 200 CONNECTION TO EXISTING 12" CI WATER MAIN WITH:
12" TRANSITION COUPLING
12" 45° BEND, MJ
ABANDON EXISTING WATER MAIN TO THE EAST
STA. 527+32.00, 48.79' RT
INV = 787.98
- 201 12" 45° BEND, MJ
STA. 527+70.34, 24.00' RT
INV = 787.99
- 202 12" GATE VALVE IN VAULT
STA. 527+74.89, 24.00' RT
INV = 787.61
- 203 HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 24' OF 6" DI WATER MAIN AND 12" X 6 TEE, MJ
STA. 527+71.90, 48.15' RT
- 204 12" X 8" TEE, MJ
STA. 529+97.50, 19.00' RT
- 205 8" GATE VALVE IN VAULT
STA. 529+97.50, 33.50' LT
- 206 CONNECTION TO EXISTING 8" CI WATER MAIN WITH:
8" TRANSITION COUPLING
2 - 8" 45° BENDS, MJ
ABANDON EXISTING WATER MAIN TO THE SOUTH
STA. 529+94.54, 48.04' LT
- 207 12" X 10" TEE, MJ
STA. 531+41.56, 20.00' RT
INV = 785.63
- 208 10" GATE VALVE IN VAULT
STA. 531+41.56, 50.27' RT
- 209 HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 3' OF 6" DI WATER MAIN AND 10" X 6 TEE, MJ
STA. 531+44.60, 54.75' RT
- 210 CONNECTION TO EXISTING 10" CI WATER MAIN WITH:
10" TRANSITION COUPLING
2 - 10" 45° BENDS, MJ
ABANDON EXISTING WATER MAIN TO THE NORTH
STA. 531+36.04, 63.65' RT
- 211 12" X 8" TEE, MJ
STA. 536+11.54, 24.00' RT
INV = 782.85
- 212 8" GATE VALVE IN VAULT
STA. 536+11.55, 43.00' RT
- 213 CONNECTION TO EXISTING 8" WATER SERVICE WITH:
8" TRANSITION COUPLING
2 - 8" 45° BENDS, MJ
STA. 536+03.82, 63.70' RT

- 214 12" X 8" TEE, MJ
STA. 538+39.06, 24.00' RT
INV = 791.08
- 215 8" GATE VALVE IN VAULT
STA. 538+39.21, 34.50' LT
- 216 CONNECTION TO EXISTING 8" CI WATER MAIN WITH:
8" TRANSITION COUPLING
2 - 8" 45° BENDS, MJ
ABANDON EXISTING WATER MAIN TO THE SOUTH
STA. 538+46.00, 47.62' LT
- 217 HYDRANT WITH AUXILIARY VALVE AND BOX
INSTALL 25' OF 6" DI WATER MAIN AND 12" X 6 TEE, MJ
STA. 538+46.55, 49.50' RT
- 218 12" X 8" TEE, MJ
STA. 538+51.22, 24.00' RT
INV = 791.23
- 219 8" GATE VALVE IN VAULT
STA. 538+50.90, 49.23' RT
- 220 CONNECTION TO EXISTING 8" WATER SERVICE WITH:
8" TRANSITION COUPLING
2 - 8" 45° BENDS, MJ
STA. 538+45.20, 63.07' RT
- 221 12" GATE VALVE IN VAULT
STA. 535+00.00, 24.00' RT
- 222 12" GATE VALVE IN VAULT
STA. 539+36.00, 24.00' RT
INV = 792.29
- 223 12" 45° BEND, MJ
STA. 539+40.00, 24.00' RT
INV = 792.34
- 224 CONNECTION TO EXISTING 12" CI WATER MAIN WITH:
12" TRANSITION COUPLING
12" 45° BEND, MJ
ABANDON EXISTING WATER MAIN TO THE WEST
STA. 539+71.21, 58.17' RT
INV = 792.73

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

HRG PROJECT NO.: 8660266
HRG PROJ. CONTACT: 266-srt-pr-wm-7ops.dgn
FILE NUMBER: 10/1/2019
PEN TABLE: p01tbl.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/8/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN AND PROFILE TAGS
ILLINOIS ROUTE 19

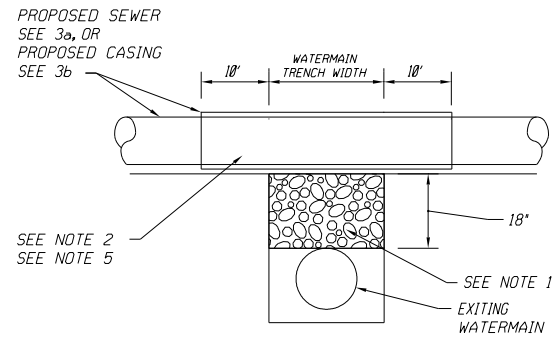
SCALE: _____ SHEET 5 OF 7 SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	42
CONTRACT NO. 61F41				
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.



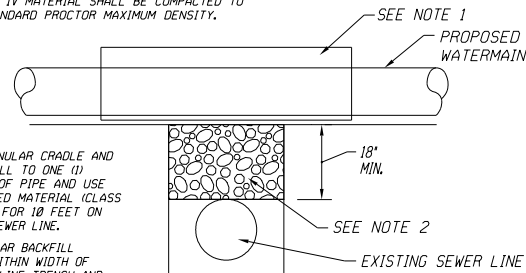
NOTES:

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.

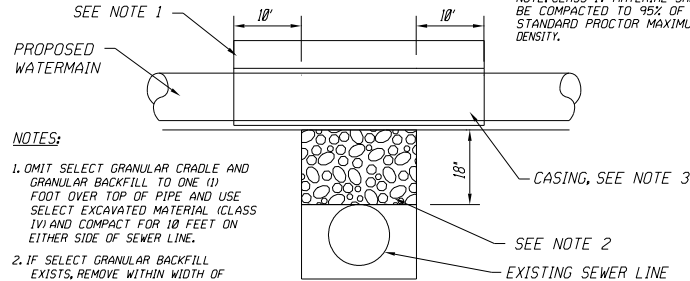


NOTES:

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.

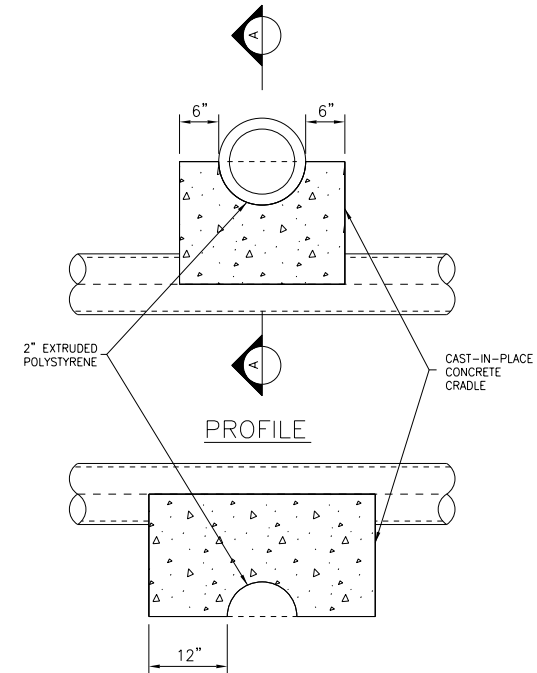
PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" SEPARATION.

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



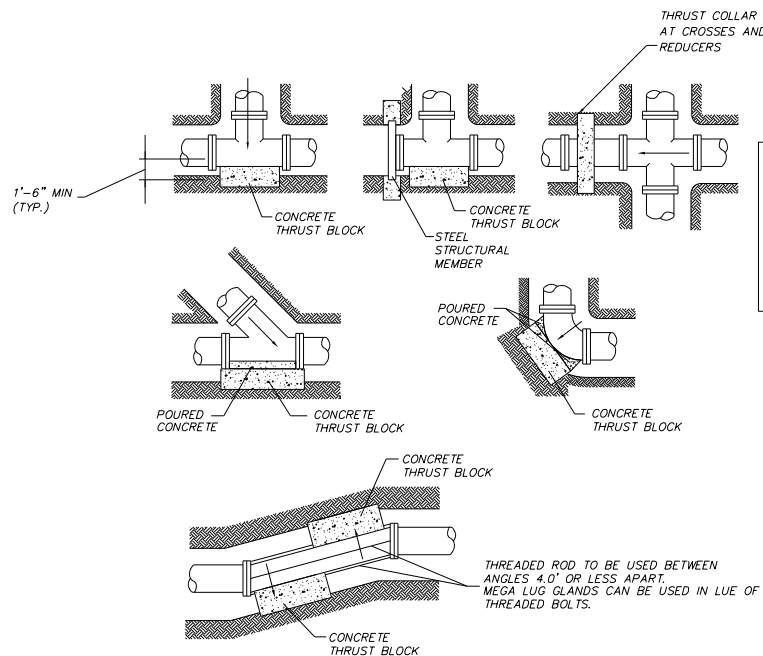
NOTES:

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.
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	NO. BOOK	NO. TABLE	FILE NAME	FILE NO.

DATE	BY	SURVEYED	PLOTTED	CHECKED
PROFILE	NO. BOOK	NO. TABLE	FILE NAME	FILE NO.

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-501-2700
 FILE NAME: 266-501-2700-06-01-19
 PEN TABLE: 266-501-2700-06-01-19



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN DETAILS
ILLINOIS ROUTE 19**

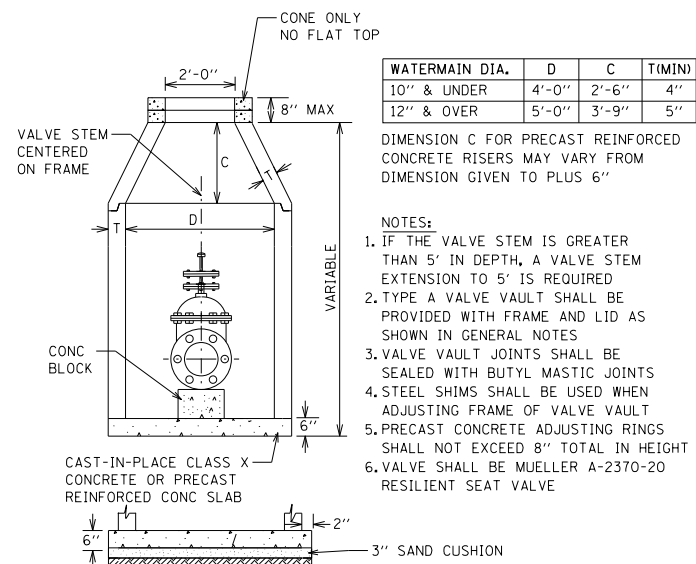
SCALE: N.T.S. SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	43
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

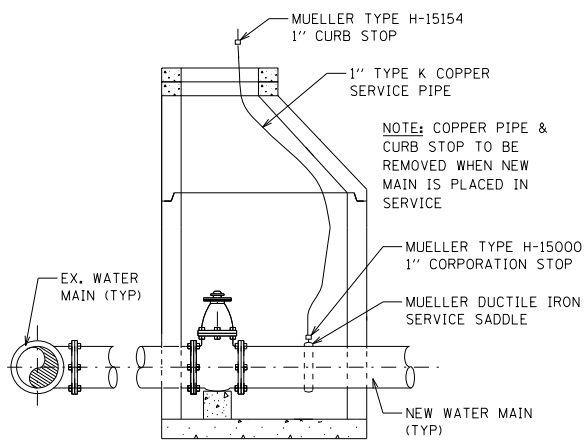
DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	NOTED
	CHECKED
	FILED
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	NOTED
	CHECKED
	FILED
	NO.

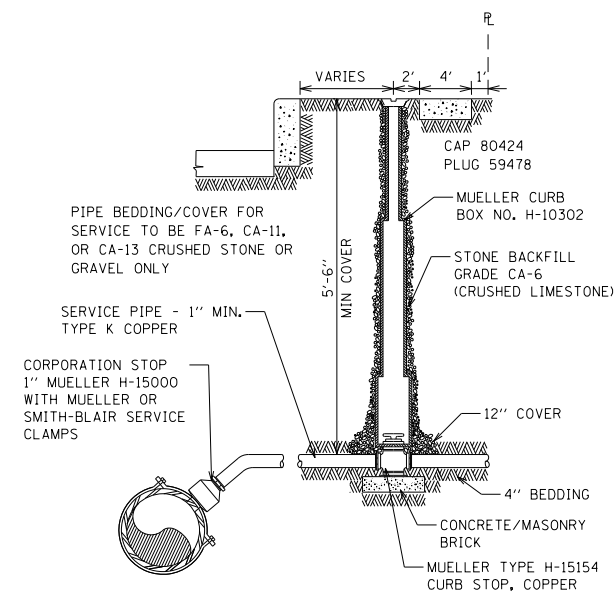
STANDARD DESIGN FOR VALVE VAULT (TYPE A)



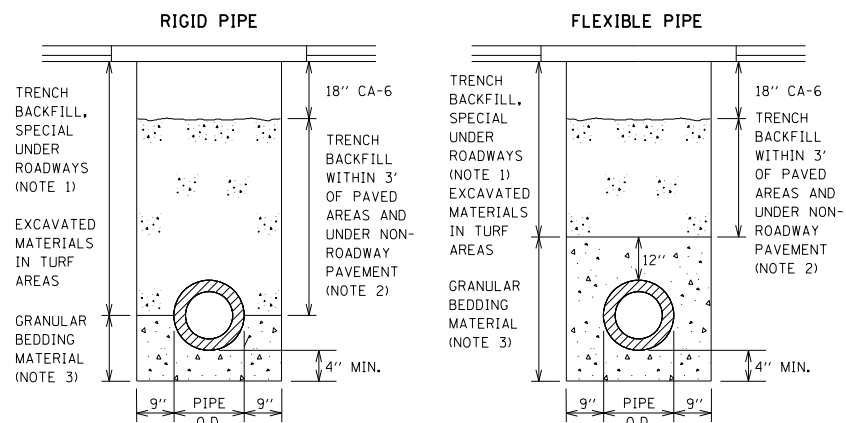
DISINFECTION/FLUSHING TAP DETAIL



TYPICAL CURB BOX INSTALLATION FOR WATER SERVICE

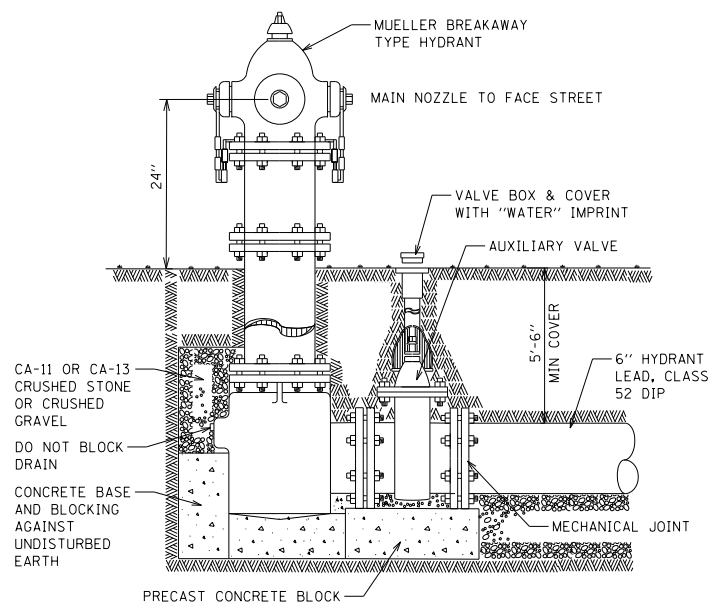


TRENCH DETAILS

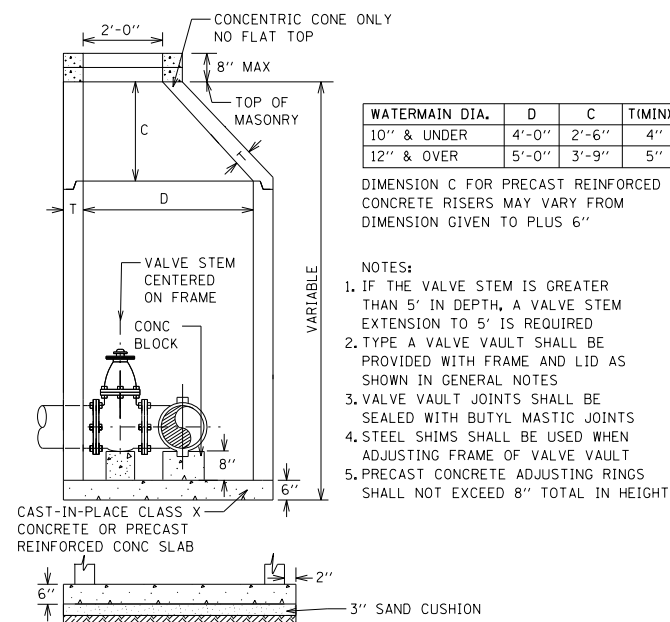


- NOTES:
1. TRENCH BACKFILL, SPECIAL SHALL BE CA-6 CRUSHED STONE OR CRUSHED GRAVEL COMPLYING WITH SECTION 1004 OF THE SSRB AND SHALL BE PLACED UNDER ALL ROADWAYS. TRENCH BACKFILL, SPECIAL SHALL BE COMPACTED BY METHOD 1 ONLY.
2. TRENCH BACKFILL SHALL BE FA-6 SAND OR LIMESTONE SCREENINGS COMPLYING WITH 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.: 8660266
HRG PROJ. CONTACT: 266-501-2700
FILE NUMBER: 10-00055-00-WR
PEN TABLE: 6/15/2019



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
PLOT SCALE =	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	CHECKED - TEH	REVISED - XX/XX/XXXX
	DATE - 11/15/2018	REVISED - XX/XX/XXXX

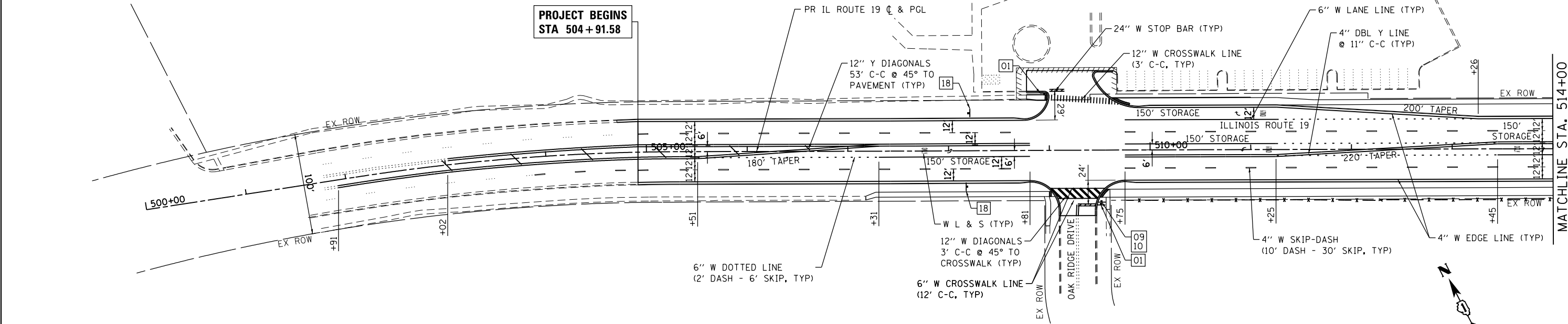
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS
ILLINOIS ROUTE 19

SCALE: N.T.S. SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	44
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

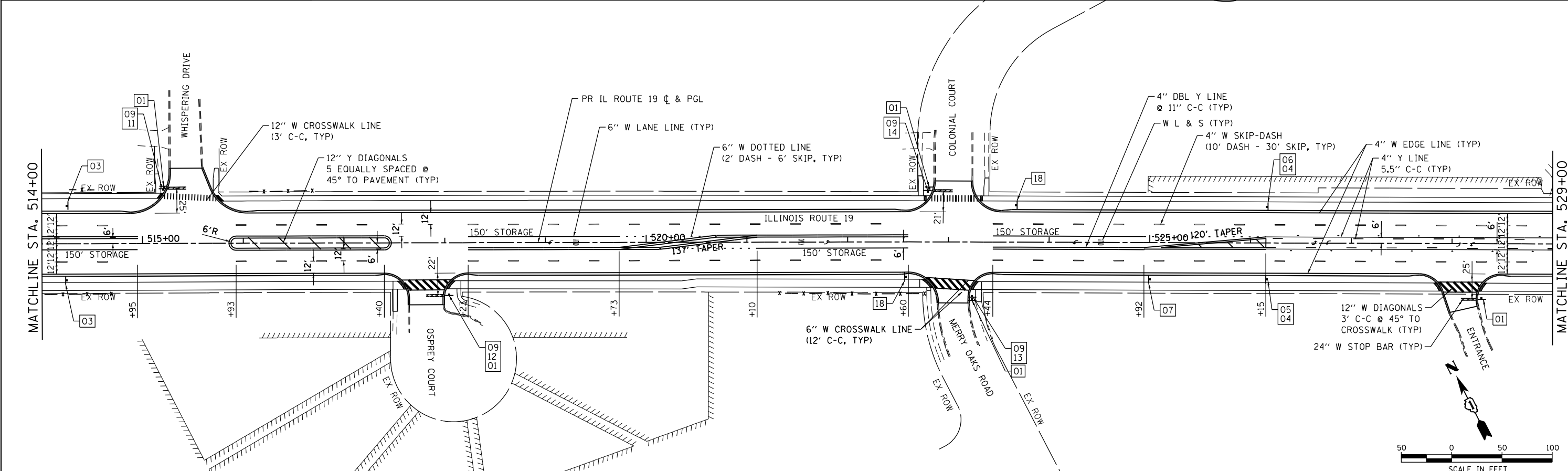
PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS OK'D	
	FILE NAME	
	NO.	
	BY	



- 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



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS OK'D	
	FILE NAME	
	NO.	
	BY	



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-pmk-01.dgn
 FILE NAME: 184-001322-184-001322.dgn
 PEN TABLE: 184-001322.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
	CHECKED - TEH	REVISED -
	DATE - 11/15/2018	REVISED -
PLOT SCALE =		
PLOT DATE = 1/4/2019		

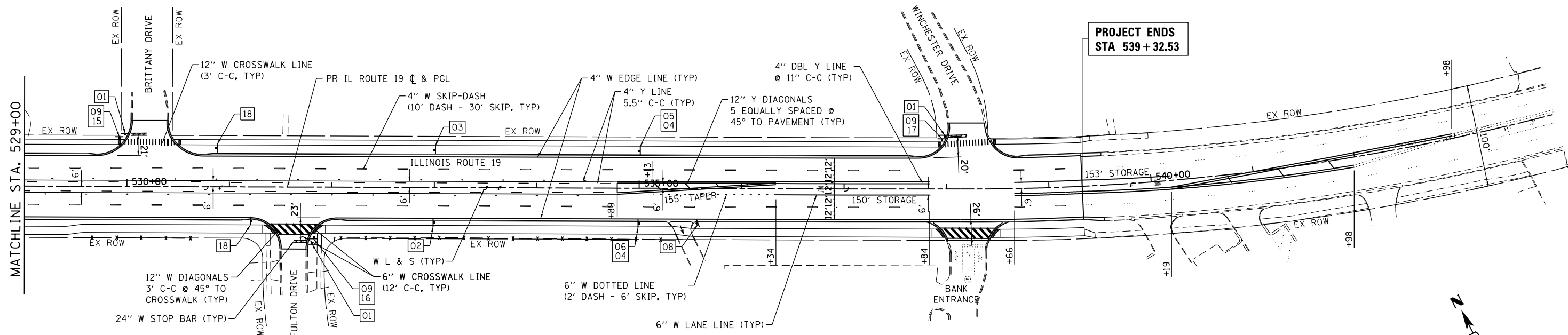
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
 ILLINOIS ROUTE 19**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 514+00 TO STA. 529+00

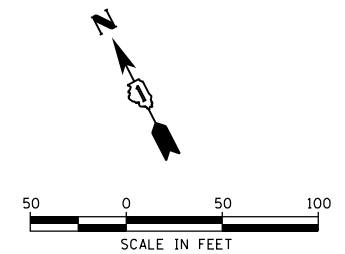
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	45
				CONTRACT NO. 61F41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



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



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

01 R1-1 30" X 30"	02 R2-1 30" X 36"	03 R2-1 30" X 36"	04 R3-9b 24" X 36"	05 R3-9cP 30" X 12"	06 R3-9dP 30" X 12"	07 W3-5 36" X 36"	08 R3-2 36" X 36"	09 D3-1a 24" X 9"	10 D3-1 24" X 9"	11 D3-1 24" X 9"
12 D3-1 24" X 9"	13 D3-1 24" X 9"	14 D3-1 24" X 9"	15 D3-1 24" X 9"	16 D3-1 24" X 9"	17 D3-1 24" X 9"	18 EXISTING				

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-pmk-02.dgn
 FILE NAME: 266-srt-pmk-02.dgn
 PEN TABLE: pmttbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 19**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 529+00 TO STA. 539+32.53

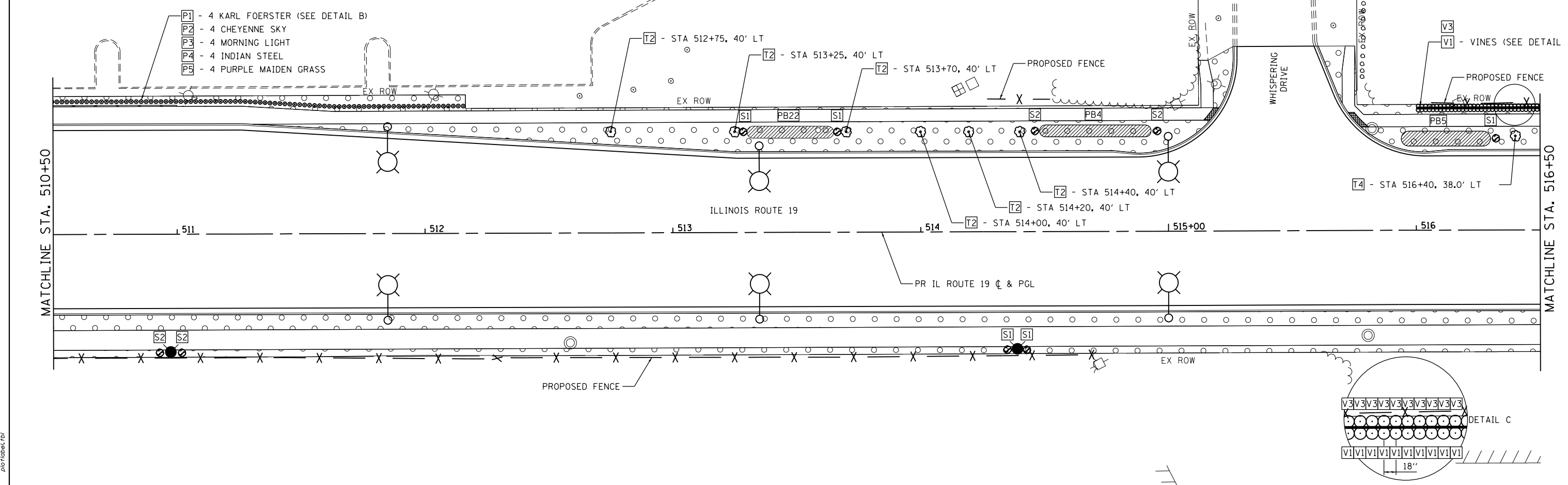
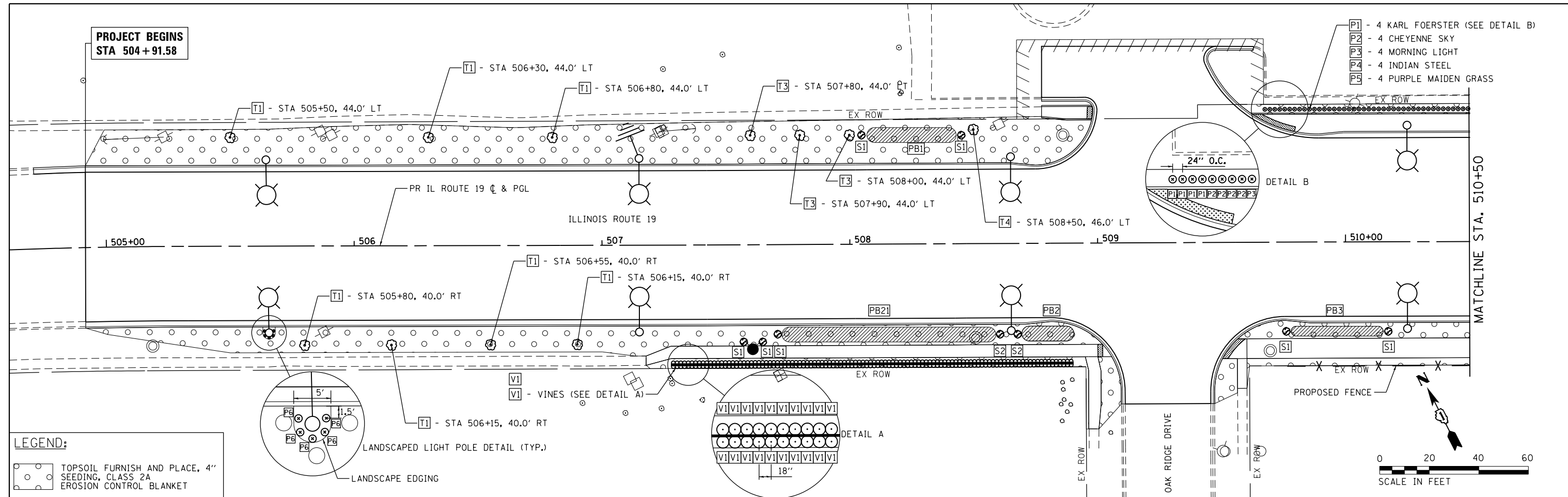
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	46
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**PROJECT BEGINS
STA 504 + 91.58**

- P1 - 4 KARL FOERSTER (SEE DETAIL B)
- P2 - 4 CHEYENNE SKY
- P3 - 4 MORNING LIGHT
- P4 - 4 INDIAN STEEL
- P5 - 4 PURPLE MAIDEN GRASS

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

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



LEGEND:

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



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt+hrsgsp-01.dgn
 FILE NAME: 266-srt+hrsgsp-01.dgn
 PEN TABLE: pen.tbl

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN
ILLINOIS ROUTE 19**

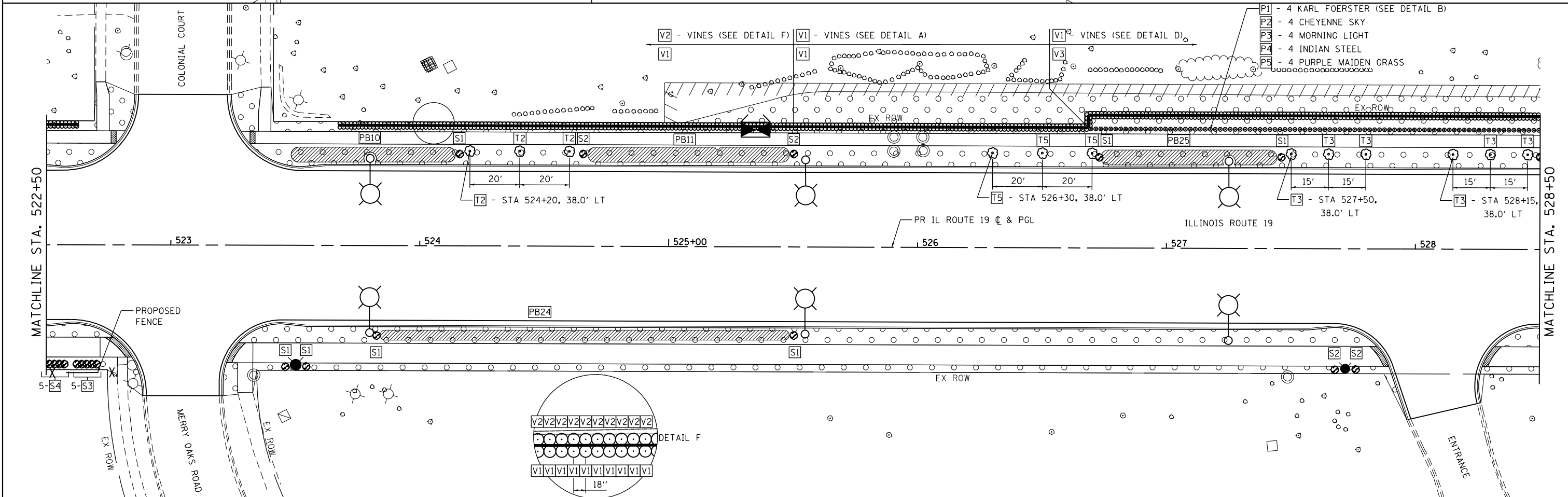
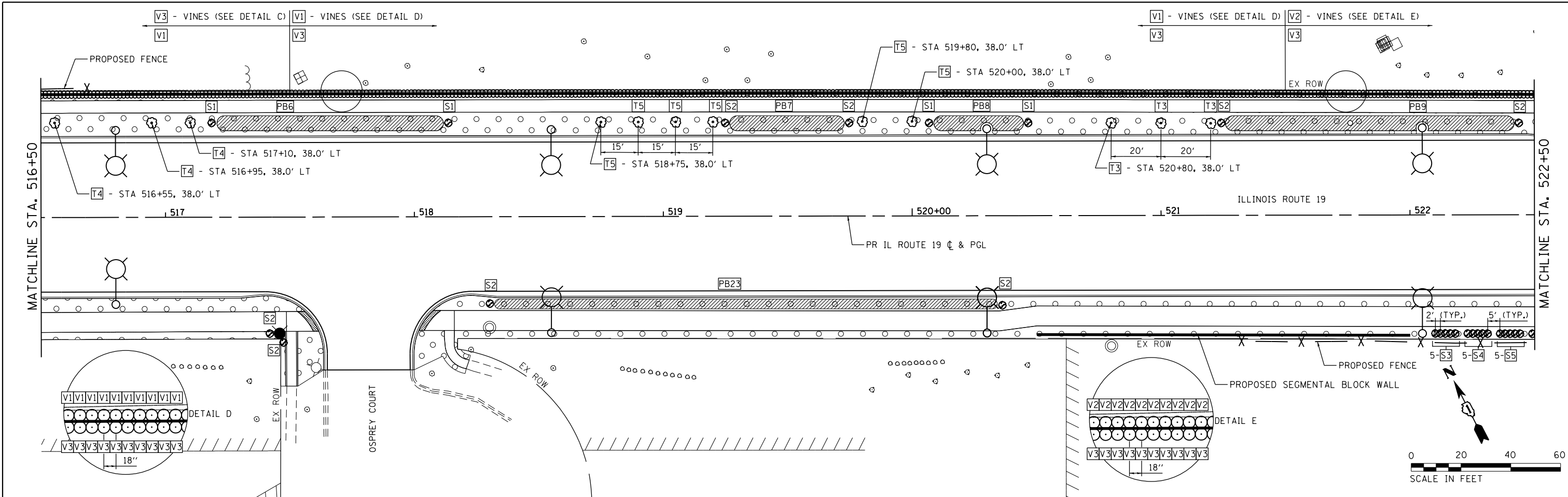
SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. 504+91.58 TO STA. 516+50

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	47
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTES CHECKED	
	ALIGNMENT CHECKED	
	FILE NAME	
	NO. / SHEETS	
	DATE	

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt+hrsgsp-02.dgn
 FILE NAME: 61f19
 PEN TABLE: p01tbltbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
	CHECKED - TEH	REVISED - XX/XX/XXXX
	DATE - 11/15/2018	REVISED - XX/XX/XXXX
PLOT SCALE =		
PLOT DATE = 1/4/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN
ILLINOIS ROUTE 19**

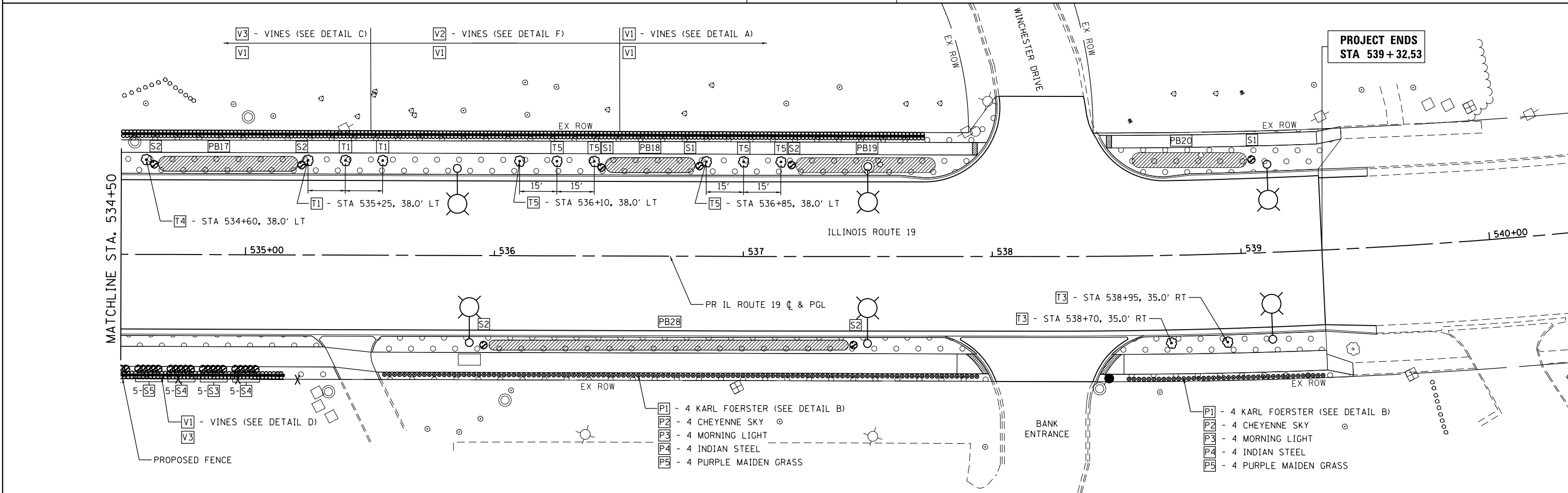
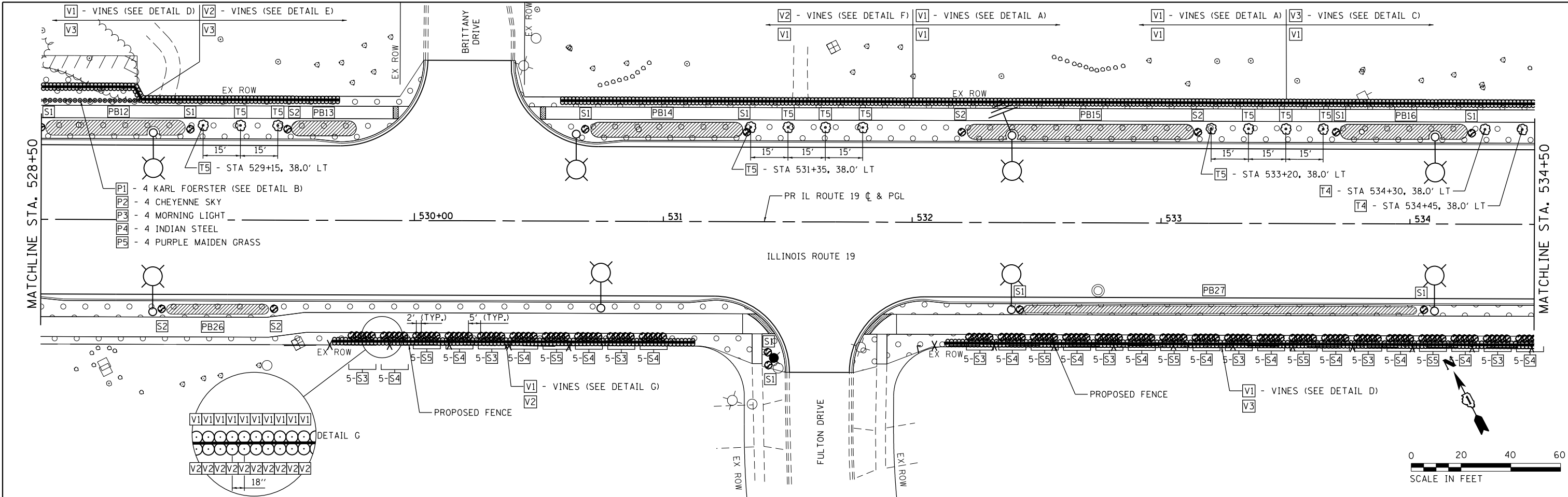
SCALE: 1"=20' SHEET 2 OF 9 SHEETS STA. 516+50 TO STA. 528+50

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	48
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-577-7650
 FILE NAME: 266-577-7650-03.dgn
 FILE NUMBER: 11/15/2018
 PEN TABLE: 11/15/2018



	HRGreen.com Miraculous Professional Design Firm #184-001322	USER NAME = jhorwit DESIGNED - JRM DRAWN - DMS CHECKED - TEH PLOT DATE = 1/4/2019 DATE - 11/15/2018	REVISED - XX/XX/XXXX REVISED - XX/XX/XXXX REVISED - XX/XX/XXXX REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN ILLINOIS ROUTE 19	F.A.U. RTE. 1321 SECTION NO. 10-00055-00-WR COUNTY COOK TOTAL SHEETS 116 SHEET NO. 49	CONTRACT NO. 61F41
	SCALE: 1"=20' SHEET 3 OF 9 SHEETS STA. 528+50 TO STA. 539+32.53		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SHRUB PLANTING SCHEDULE

	PAY ITEM	QTY	BOTANICAL NAME/ITEM	SPACING
S1	C2011724	36	SHRUB, VIBURNUM DENTATUM (ARROWWOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED	24" O.C.
S2	C2C02936	28	SHRUB, FORSYTHIA X INTERMEDIA (BORDER FORSYTHIA), 3' HEIGHT, CONTAINER	24" O.C.
S3	C2C05124	55	SHRUB, POTENTILLA FRUTICOSA JACKMANII (JACKMANS BUSH CINQUEFOIL), 2' HEIGHT, CONTAINER	24" O.C.
S4	C2C10218	90	SHRUB, SPIREA JAPONICA LITTLE PRINCESS (LITTLE PRINCESS JAPANESE SPIREA), 18" HEIGHT, CONTAINER	24" O.C.
S5	C2015761	40	SHRUB, SPIREA JAPONICA NEON (NEON FLASH), 2" POT	24" O.C.

VINE PLANTING SCHEDULE

	PAY ITEM	QTY	BOTANICAL NAME/ITEM	SPACING
V1	E20090P2	1972	VINE-EUONYMUS FORTUNEI VAR. COLORATUS (PURPLE LEAF WINTERCREEPER), 2" POT	18" O.C.
V2	E20220G1	507	VINE-PARTHENOCISSUS TRICUSPIDATA (BOSTON IVY), 1-GALLON POT	18" O.C.
V3	E20210G1	983	VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER), 1-GALLON POT	18" O.C.

PERENNIAL PLANTING SCHEDULE

	PAY ITEM	QTY	BOTANICAL NAME/ITEM	SPACING
P1	K0012990	0.8	PERENNIAL PLANTS, ORNAMENTAL TYPE, CALAMAGROSTIS x ACUTIFLORA (KARL FOERSTER), GALLON POT	24" O.C.
P2	K0012990	0.8	PERENNIAL PLANTS, ORNAMENTAL TYPE, PANICUM VIRGATUM (CHEYENNE SKY), GALLON POT	24" O.C.
P3	K0012990	0.8	PERENNIAL PLANTS, ORNAMENTAL TYPE, MISCANTHUS SINENSIS (MORNING LIGHT), GALLON POT	24" O.C.
P4	K0012990	0.8	PERENNIAL PLANTS, ORNAMENTAL TYPE, SORGHASTRUM NUTANS (INDIAN STEEL), GALLON POT	24" O.C.
P5	K0012990	0.8	PERENNIAL PLANTS, ORNAMENTAL TYPE, MISCANTHUS SINENSIS "PURPURASCENS" (PURPLE MAIDEN GRASS), GALLON POT	24" O.C.
P6	K0012990	2.1	PERENNIAL PLANTS, ORNAMENTAL TYPE, HEMEROCALLIS STELLA D'ORO (REBLOOMING DAYLILY), GALLON POT	5 AROUND LIGHT POLES

TREE PLANTING SCHEDULE

	PAY ITEM	QTY	BOTANICAL NAME/ITEM	SPACING
T1	A2004424	10	TREE, GINKGO BILOBA (GINKGO), 1-1/2" CALIPER, BALLED AND BURLAPPED	MATCH TO PLAN
T2	A2005316	9	TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	MATCH TO PLAN
T3	A2001028	14	TREE, ACER RUBRUM (BOWHALL), 3" CALIPER, BALLED AND BURLAPPED	MATCH TO PLAN
T4	B2005468	8	TREE, PRUNUS VIRGINIANA SCHUBERT (CANADA RED CHOKE CHERRY), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	MATCH TO PLAN
T5	B2006069	26	TREE, SYRINGA PEKINENSIS ZHING ZHIMING (BEIJING GOLD PEKING LILAC), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	MATCH TO PLAN

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		
	NOTATRS CHKD		

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-577-7666
 FILE NAME: 266-577-7666-04-sched.dgn
 PEN TABLE: 266-577-7666-04-sched.dgn
 PLOT DATE: 11/15/2018



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANTING SCHEDULES
 ILLINOIS ROUTE 19

SCALE: N.T.S. SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	50
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PERENNIAL BED SCHEDULE

BOTANICAL NAME	CALAMAGROSTIS X ACUTIFOLIA "KARL FOERSTER"	HEMEROCALLIS "HAPPY RETURNS"	ECHINACEA PURPUREA "PRAIRIE SPLENDOR"	SPOROBOLUS HETEROLEPSIS	PENNISETUM ALOPECUROIDES "HAMELN"	RUDBECKIA HIRTA	SYMPHYOTRICHUM OOLENTANGIENSE	SYMPHYOTRICHUM NOVAE-ANGLIAE	CHRYSANTHEMUM X SUPERBUM "BECKY"	LIATRIS SPICATA "KOBOLD"
COMMON NAME	KARL FOERSTER FEATHER REED GRASS	HAPPY RETURNS DAYLILY	PRAIRIE SLENDOR PURPLE CONEFLOWER	PRAIRIE DROPSEED	HAMELN FOUNTAIN GRASS	BLACK-EYED SUSAN	SKY BLUE ASTER	NEW ENGLAND ASTER	BECKY SHASTA DAISY	KOBOLD GAYFEATHER
PERENNIAL NOTES	24" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	24" O.C./STAGGERED	3 PLANTINGS PLACED ON EACH END OF THE PLANTING BEDS	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED
PERENNIAL BED 1 (PB1)	PLANTING 1	9								
	PLANTING 2		12							
	PLANTING 3									
	PLANTING 4					6				
	PLANTING 5						12			
	PLANTING 6							12		
	PLANTING 7								12	
	PLANTING 8									12
PERENNIAL BED 2 (PB2)	PLANTING 1			7						
	PLANTING 2				5					
	PLANTING 3					6				
	PLANTING 4						7			
	PLANTING 5							7		
	PLANTING 6								7	
	PLANTING 7									7
	PLANTING 8									
PERENNIAL BED 3 (PB3)	PLANTING 1	9								
	PLANTING 2		12							
	PLANTING 3									
	PLANTING 4					6				
	PLANTING 5						12			
	PLANTING 6							12		
	PLANTING 7								12	
	PLANTING 8									12
PERENNIAL BED 4 (PB4)	PLANTING 1			15						
	PLANTING 2				11					
	PLANTING 3					6				
	PLANTING 4						15			
	PLANTING 5							15		
	PLANTING 6								15	
	PLANTING 7									15
	PLANTING 8									
PERENNIAL BED 5 (PB5)	PLANTING 1	9								
	PLANTING 2		12							
	PLANTING 3									
	PLANTING 4					6				
	PLANTING 5						12			
	PLANTING 6							12		
	PLANTING 7								12	
	PLANTING 8									12
PERENNIAL BED 6 (PB6)	PLANTING 1			30						
	PLANTING 2				23					
	PLANTING 3									
	PLANTING 4					6				
	PLANTING 5						30			
	PLANTING 6							30		
	PLANTING 7								30	
	PLANTING 8									30
PERENNIAL BED 7 (PB7)	PLANTING 1	12								
	PLANTING 2		15							
	PLANTING 3									
	PLANTING 4					6				
	PLANTING 5						15			
	PLANTING 6							15		
	PLANTING 7								15	
	PLANTING 8									15
PERENNIAL BED 8 (PB8)	PLANTING 1			12						
	PLANTING 2				9					
	PLANTING 3									
	PLANTING 4					6				
	PLANTING 5						12			
	PLANTING 6							12		
	PLANTING 7								12	
	PLANTING 8									12

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt+ingosp-04-sched.dgn
 FILE NAME: 266-srt+ingosp-04-sched.dgn
 PEN TABLE: p04tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLANTING SCHEDULES
 ILLINOIS ROUTE 19**

SCALE: N.T.S. SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	51
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PERENNIAL BED SCHEDULE

BOTANICAL NAME	CALAMAGROSTIS X ACUTIFOLIA "KARL FOERSTER"	HEMEROCALLIS "HAPPY RETURNS"	ECHINACEA PURPUREA "PRAIRIE SPLENDOR"	SPOROBOLUS HETEROLEPSIS	PENNISETUM ALOPECUROIDES "HAMELN"	RUDBECKIA HIRTA	SYMPHYOTRICHUM OOLENTANGIENSE	SYMPHYOTRICHUM NOVAE-ANGLIAE	CHRYSANTHEMUM X SUPERBUM "BECKY"	LIATRIS SPICATA "KOBOLD"
COMMON NAME	KARL FOERSTER FEATHER REED GRASS	HAPPY RETURNS DAYLILY	PRAIRIE SLENDOR PURPLE CONEFLOWER	PRAIRIE DROPSEED	HAMELN FOUNTAIN GRASS	BLACK-EYED SUSAN	SKY BLUE ASTER	NEW ENGLAND ASTER	BECKY SHASTA DAISY	KOBOLD GAYFEATHER
PERENNIAL NOTES	24" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	24" O.C./STAGGERED	3 PLANTINGS PLACED ON EACH END OF THE PLANTING BEDS	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED
PERENNIAL BED 9 (PB9)	PLANTING 1	29								
	PLANTING 2		39							
	PLANTING 3									
	PLANTING 4					6				
	PLANTING 5						39			
	PLANTING 6							39		
	PLANTING 7								39	
	PLANTING 8									39
PERENNIAL BED 10 (PB10)	PLANTING 1			22						
	PLANTING 2				17					
	PLANTING 3					6				
	PLANTING 4						22			
	PLANTING 5							22		
	PLANTING 6								22	
	PLANTING 7									22
	PLANTING 8									
PERENNIAL BED 11 (PB11)	PLANTING 1	20								
	PLANTING 2		27							
	PLANTING 3					6				
	PLANTING 4						27			
	PLANTING 5							27		
	PLANTING 6								27	
	PLANTING 7									27
	PLANTING 8									
PERENNIAL BED 12 (PB12)	PLANTING 1			19						
	PLANTING 2				14					
	PLANTING 3					6				
	PLANTING 4						19			
	PLANTING 5							19		
	PLANTING 6								19	
	PLANTING 7									19
	PLANTING 8									
PERENNIAL BED 13 (PB13)	PLANTING 1	7								
	PLANTING 2		9							
	PLANTING 3					6				
	PLANTING 4						9			
	PLANTING 5							9		
	PLANTING 6								9	
	PLANTING 7									9
	PLANTING 8									
PERENNIAL BED 14 (PB14)	PLANTING 1			20						
	PLANTING 2				15					
	PLANTING 3					6				
	PLANTING 4						20			
	PLANTING 5							20		
	PLANTING 6								20	
	PLANTING 7									20
	PLANTING 8									
PERENNIAL BED 15 (PB15)	PLANTING 1	23								
	PLANTING 2		30							
	PLANTING 3					6				
	PLANTING 4						30			
	PLANTING 5							30		
	PLANTING 6								30	
	PLANTING 7									30
	PLANTING 8									
PERENNIAL BED 16 (PB16)	PLANTING 1			17						
	PLANTING 2				13					
	PLANTING 3					6				
	PLANTING 4						17			
	PLANTING 5							17		
	PLANTING 6								17	
	PLANTING 7									17
	PLANTING 8									

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt+hrdssp-04-sched.dgn
 FILE NAME: 266-srt+hrdssp-04-sched.dgn
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLANTING SCHEDULES
ILLINOIS ROUTE 19**

SCALE: N.T.S. SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	52
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PERENNIAL BED SCHEDULE

BOTANICAL NAME	CALAMAGROSTIS X ACUTIFOLIA "KARL FOERSTER"	HEMEROCALLIS "HAPPY RETURNS"	ECHINACEA PURPUREA "PRAIRIE SPLENDOR"	SPOROBOLUS HETEROLEPSIS	PENNISETUM ALOPECUROIDES "HAMELN"	RUDBECKIA HIRTA	SYMPHYOTRICHUM OOLENTANGIENSE	SYMPHYOTRICHUM NOVAE-ANGLIAE	CHRYSANTHEMUM X SUPERBUM "BECKY"	LIATRIS SPICATA "KOBOLD"
COMMON NAME	KARL FOERSTER FEATHER REED GRASS	HAPPY RETURNS DAYLILY	PRAIRIE SLENDOR PURPLE CONEFLOWER	PRAIRIE DROPSEED	HAMELN FOUNTAIN GRASS	BLACK-EYED SUSAN	SKY BLUE ASTER	NEW ENGLAND ASTER	BECKY SHASTA DAISY	KOBOLD GAYFEATHER
PERENNIAL NOTES	24" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	24" O.C./STAGGERED	3 PLANTINGS PLACED ON EACH END OF THE PLANTING BEDS	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED
PERENNIAL BED 17 (PB17)	PLANTING 1	14								
	PLANTING 2		19							
	PLANTING 3					6				
	PLANTING 4						19			
	PLANTING 5							19		
	PLANTING 6								19	
	PLANTING 7									19
	PLANTING 8									
PERENNIAL BED 18 (PB18)	PLANTING 1			12						
	PLANTING 2				9					
	PLANTING 3					6				
	PLANTING 4						12			
	PLANTING 5							12		
	PLANTING 6								12	
	PLANTING 7									12
	PLANTING 8									
PERENNIAL BED 19 (PB19)	PLANTING 1	14								
	PLANTING 2		19							
	PLANTING 3					6				
	PLANTING 4						19			
	PLANTING 5							19		
	PLANTING 6								19	
	PLANTING 7									19
	PLANTING 8									
PERENNIAL BED 20 (PB20)	PLANTING 1			15						
	PLANTING 2				12					
	PLANTING 3					6				
	PLANTING 4						15			
	PLANTING 5							15		
	PLANTING 6								15	
	PLANTING 7									15
	PLANTING 8									
PERENNIAL BED 21 (PB21)	PLANTING 1	22								
	PLANTING 2		29							
	PLANTING 3					6				
	PLANTING 4						29			
	PLANTING 5							29		
	PLANTING 6								29	
	PLANTING 7									29
	PLANTING 8									
PERENNIAL BED 22 (PB22)	PLANTING 1			12						
	PLANTING 2				9					
	PLANTING 3					6				
	PLANTING 4						12			
	PLANTING 5							12		
	PLANTING 6								12	
	PLANTING 7									12
	PLANTING 8									
PERENNIAL BED 23 (PB23)	PLANTING 1	51								
	PLANTING 2		67							
	PLANTING 3					6				
	PLANTING 4						67			
	PLANTING 5							67		
	PLANTING 6								67	
	PLANTING 7									67
	PLANTING 8									
PERENNIAL BED 24 (PB24)	PLANTING 1			55						
	PLANTING 2				41					
	PLANTING 3					6				
	PLANTING 4						55			
	PLANTING 5							55		
	PLANTING 6								55	
	PLANTING 7									55
	PLANTING 8									

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt+mgdgp-04-sched.dgn
 FILE NAME: 266-srt+mgdgp-04-sched.dgn
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLANTING SCHEDULES
 ILLINOIS ROUTE 19**

SCALE: N.T.S. SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	53
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PERENNIAL BED SCHEDULE

BOTANICAL NAME	CALAMAGROSTIS X ACUTIFOLIA "KARL FOERSTER"	HEMEROCALLIS "HAPPY RETURNS"	ECHINACEA PURPUREA "PRAIRIE SPLENDOR"	SPOROBOLUS HETEROLEPSIS	PENNISETUM ALOPECUROIDES "HAMELN"	RUDBECKIA HIRTA	SYMPHYOTRICHUM OOLENTANGIENSE	SYMPHYOTRICHUM NOVAE-ANGLIAE	CHRYSANTHEMUM X SUPERBUM "BECKY"	LIATRIS SPICATA "KOBOLD"
COMMON NAME	KARL FOERSTER FEATHER REED GRASS	HAPPY RETURNS DAYLILY	PRAIRIE SLENDOR PURPLE CONEFLOWER	PRAIRIE DROPSEED	HAMELN FOUNTAIN GRASS	BLACK-EYED SUSAN	SKY BLUE ASTER	NEW ENGLAND ASTER	BECKY SHASTA DAISY	KOBOLD GAYFEATHER
PERENNIAL NOTES	24" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	24" O.C./STAGGERED	3 PLANTINGS PLACED ON EACH END OF THE PLANTING BEDS	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED	18" O.C./STAGGERED
PERENNIAL BED 25 (PB25)	PLANTING 1	18								
	PLANTING 2		23							
	PLANTING 3									
	PLANTING 4					6				
	PLANTING 5									
	PLANTING 6						23			
	PLANTING 7								23	
	PLANTING 8									23
PERENNIAL BED 26 (PB26)	PLANTING 1			14						
	PLANTING 2				10					
	PLANTING 3									
	PLANTING 4									
	PLANTING 5									
	PLANTING 6									
	PLANTING 7									
	PLANTING 8									14
PERENNIAL BED 27 (PB27)	PLANTING 1	40								
	PLANTING 2		53							
	PLANTING 3									
	PLANTING 4									
	PLANTING 5									
	PLANTING 6									
	PLANTING 7									
	PLANTING 8									53
PERENNIAL BED 28 (PB28)	PLANTING 1			48						
	PLANTING 2				36					
	PLANTING 3									
	PLANTING 4									
	PLANTING 5									
	PLANTING 6									
	PLANTING 7									
	PLANTING 8									48
TOTAL	274	363	296	222	168	659	659	659	659	659
TOTAL UNITS	46.17									

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt+hrdsep-04-sched.dgn
 FILE NAME: 266-srt+hrdsep-04-sched.dgn
 PEN TABLE: p04tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

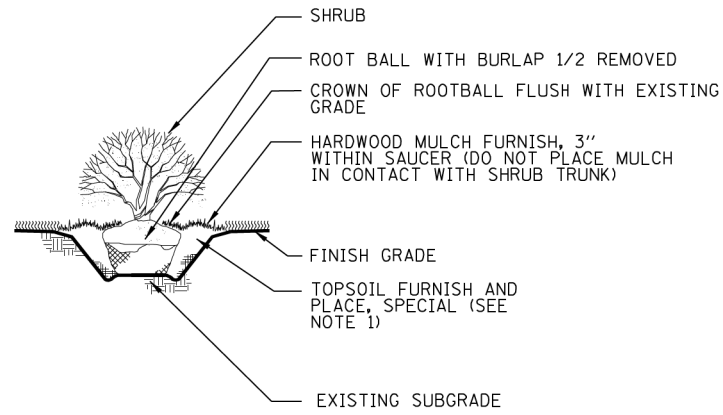
LANDSCAPE PLANTING SCHEDULES			
ILLINOIS ROUTE 19			
SCALE: N.T.S.	SHEET 8	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	54
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 61F41				

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

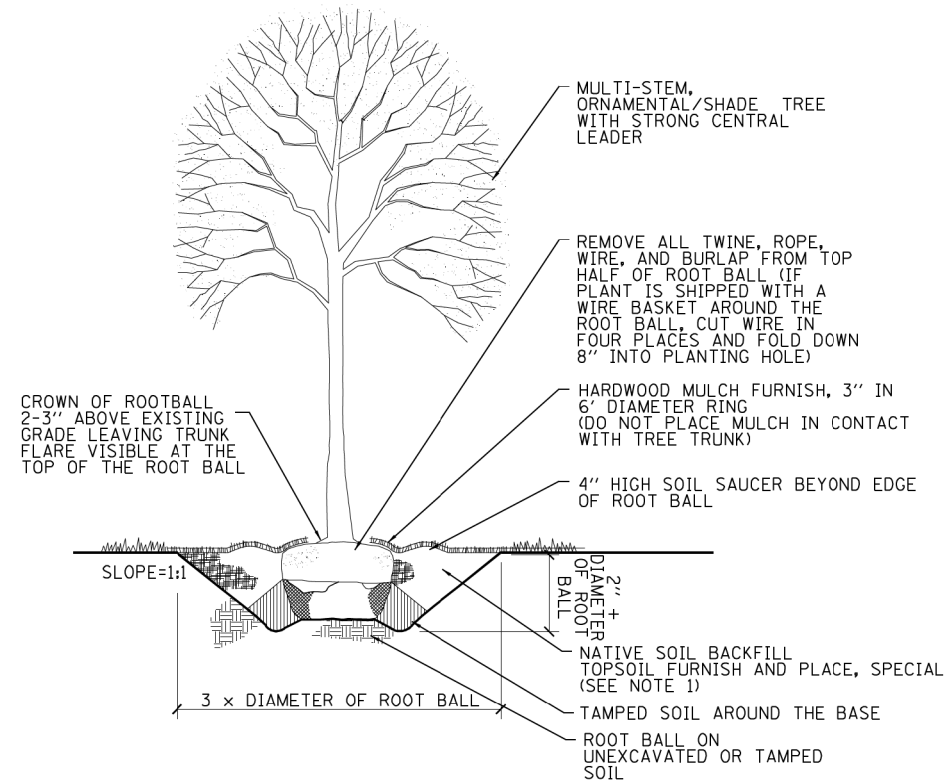
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOT AT THIS CHFD		

COMPANY NAME: #COMPANY_NAME#
 HRGreen
 1845 W. MONROE ST. #1000
 CHICAGO, IL 60648
 TEL: 773.447.4477
 FAX: 773.447.4478
 WWW.HRGREEN.COM

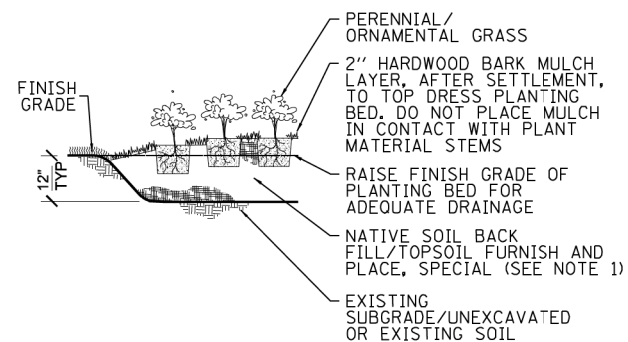


- NOTE:
 1. THE BACKFILL SHALL BE NATIVE SOIL BACKFILL WHEN APPROPRIATE
 2. WHEN UNSUITABLE MATERIAL IS ENCOUNTERED, THE HOLE SHALL BE BACKFILLED WITH TOPSOIL FURNISH AND PLACED (SPECIAL)

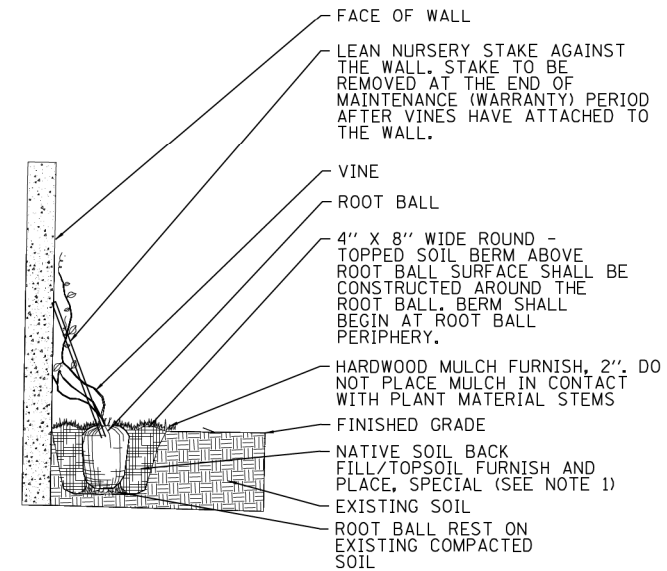
SHRUB PLANTING DETAIL
 NOT TO SCALE



SHADE AND ORNAMENTAL TREE TYPICAL PLANTING DETAIL
 NOT TO SCALE



ORNAMENTAL GRASS INSTALLATION 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 PLACE, 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 = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING DETAILS
 ILLINOIS ROUTE 19**

SCALE: N.T.S. SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	55
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	FILED		
	DATE		

HRG PROJECT NO.: #PROJECT/NO#
 HRG PROJ CONTACT: #PROGRAM#
 FILE NUMBER: #P-SP-EL-01.dgn
 PEN TABLE: #PEN TABLE#


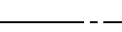





GENERAL NOTES:

- THIS PROJECT INCLUDES THE INSTALLATION OF A NEW LIGHTING SYSTEM ALONG IRVING PARK ROAD FROM EAST OF IL RTE 59 TO EAST OF WINCHESTER DRIVE. 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 CODES.
- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.

SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	110
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	924
UNIT DUCT, 600V, 5-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	6968
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	330
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	440
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	50
LUMINAIRE, LED, SPECIAL	EACH	50
LIGHT POLE, SPECIAL	EACH	50
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	60

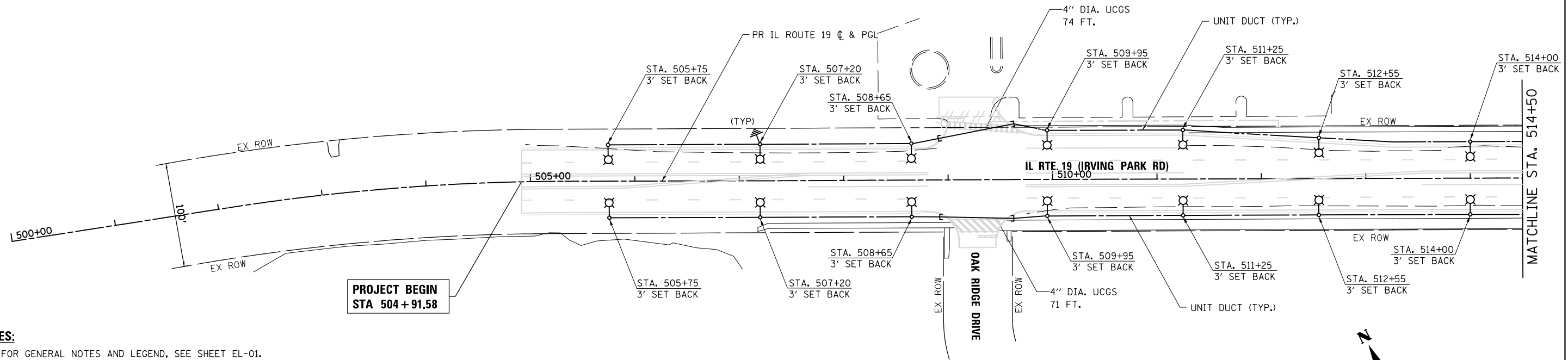
LEGEND

-  PROPOSED VILLAGE OF STREAMWOOD LIGHTING UNIT 35' FT. M.H., 4 FT. MAST ARM, 120V (LINE TO NEUTRAL), LED LUMINAIRE WITH BREAKAWAY BANNER SUPPORT ARMS AND PLANT SUPPORT ARM.
-  UNIT DUCT, 600V, 5-1/C NO. 2, 1/C NO. 4 GROUND (XLP-TYPE USE) 2" DIA. POLYETHYLENE
-  ComEd ELECTRIC SERVICE, 120/240V, 1Ø, 3 WIRE
-  PROPOSED VILLAGE OF STREAMWOOD LIGHTING CONTROLLER "LC", 120/240V, 1Ø, 3 WIRE, 200 AMP, PAD MOUNTED
-  UNDERGROUND CONDUIT, GALVANIZED STEEL
-  GROUND ROD 5/8" DIA. X 10 FT.
-  ELECTRIC CABLE IN CONDUIT 3-1/C NO. 3/0 (XLP-TYPE-USE) 3" DIA. GALVANIZED STEEL

EL-01

 AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = vramesh	DESIGNED - MH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, LEGEND AND SUMMARY OF QUANTITIES IL ROUTE 19 (IRVING PARK ROAD)	F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1".	DRAWN - RV	CHECKED - BL			REVISED -	1321	10-00055-00-WR	COOK	116
PLOT DATE = 1/4/2019	DATE - 11/14/2018	REVISED -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 61F41		

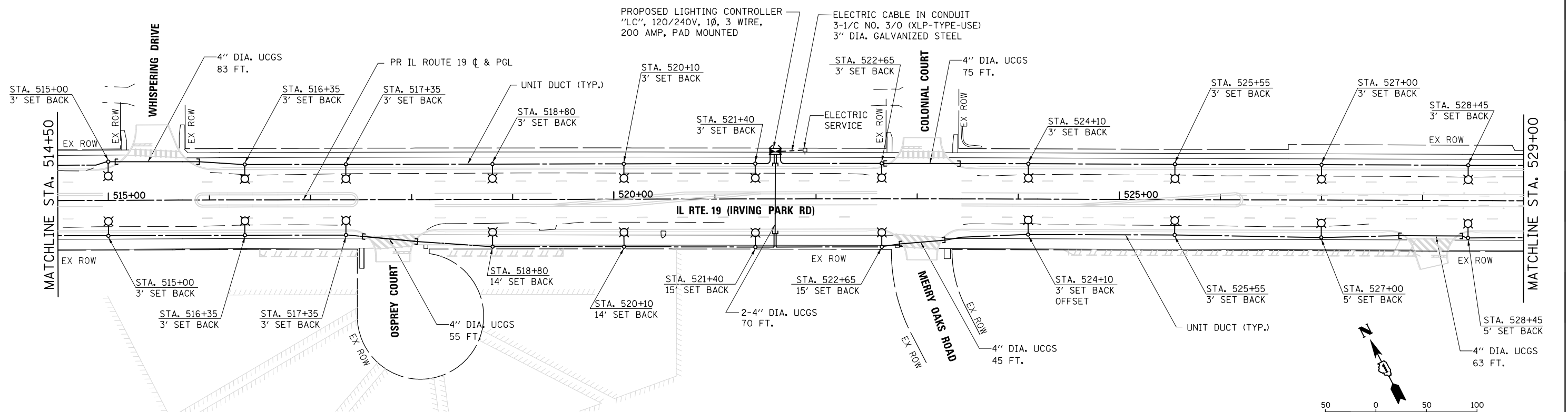
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	
	BY	



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET EL-01.
2. SET BACK IS FROM THE FACE OF CURB TO THE CENTER OF LIGHT POLE.
3. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
4. OFFSET INDICATED WHERE THE LIGHTING UNIT HAS AN UNDERGROUND CONFLICT AND OFFSET FOUNDATION MAY BE REQUIRED.

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



HRG PROJECT NO.: #PROJECTN08
 HRG PROJ CONTACT: #PRG08M
 FILE NUMBER: 280-5075-EL-02.dgn
 PEN TABLE: #PEN TABLES

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = vramesh	DESIGNED - MH	REVISED -
	DRAWN - RV	REVISED -
	CHECKED - BL	REVISED -
	DATE - 11/14/2018	REVISED -

PLOT SCALE = 100.0000' / 1"	CHECKED - BL	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/14/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED LIGHTING PLAN - 1	
IL ROUTE 19 (IRVING PARK ROAD)	
SCALE: 1"=50'	SHEET 1 OF 2 SHEETS STA. 504+91.58 TO STA. 529+00.00

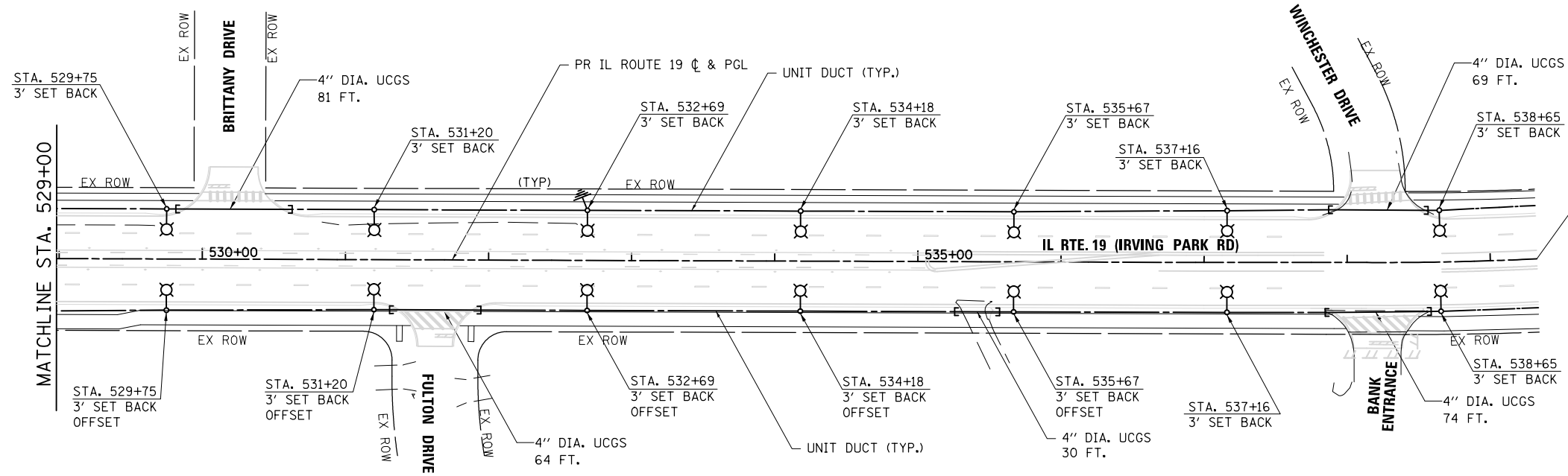
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	57
				CONTRACT NO. 61F41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

EL-02

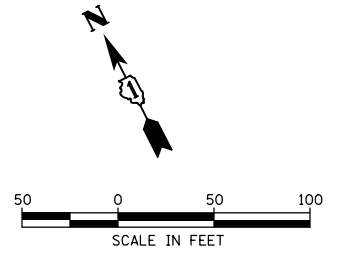
PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		

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

HRG PROJECT NO.: #PROJECTN08
 HRG PROJ CONTACT: #PRG008
 FILE NUMBER: 280-5977-EL-03.dgn
 PEN TABLE: #PEN1, #TABLE8



**PROJECT ENDS
 STA 539 + 32.53**



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET EL-01.
2. SET BACK IS FROM THE FACE OF CURB TO THE CENTER OF LIGHT POLE.
3. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
4. OFFSET INDICATED WHERE THE LIGHTING UNIT HAS AN UNDERGROUND CONFLICT AND OFFSET FOUNDATION MAY BE REQUIRED.

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = vramesh	DESIGNED - MH	REVISED -
	DRAWN - RV	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - BL	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/14/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN - 2
 IL ROUTE 19 (IRVING PARK ROAD)**
 SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 529+00.00 TO STA. 539+32.53

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	58
				CONTRACT NO. 61F41
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

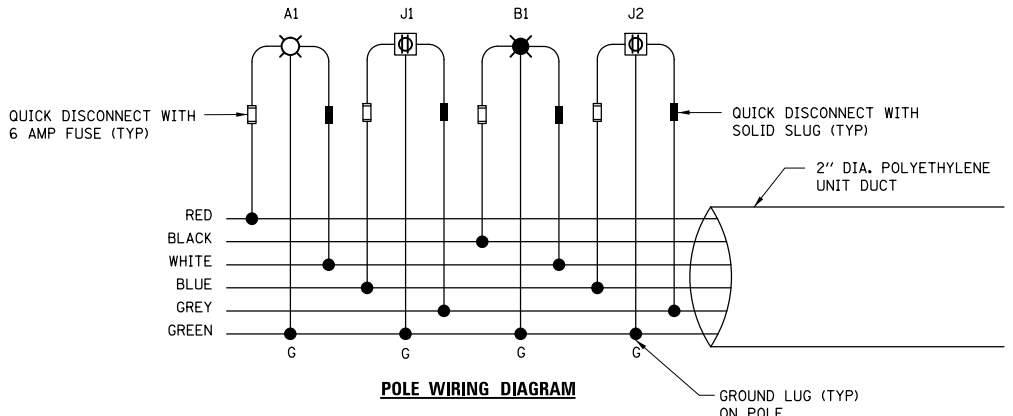
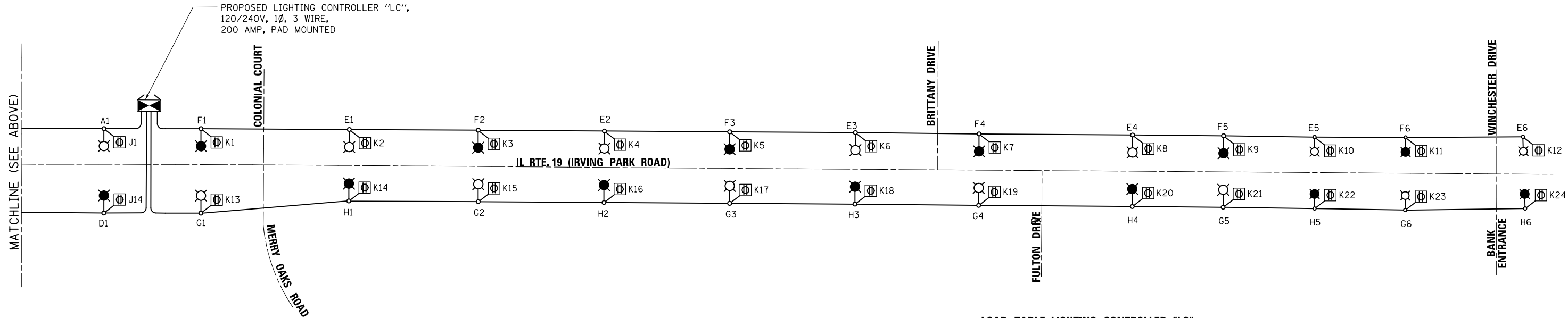
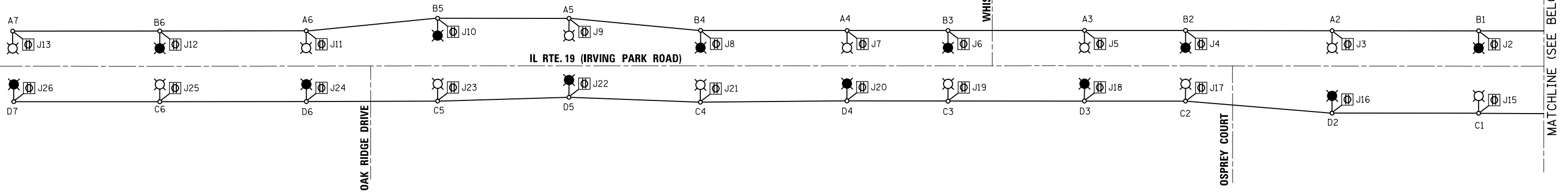
EL-03

LEGEND:

- LUMINAIRE, LED, 120V, 1.25A, 125W, ON RED WIRE
- LUMINAIRE, LED, 120V, 1.25A, 125W, ON BLACK WIRE
- FESTOON OUTLET, 120V GFCI, 1.5A, ON BLUE WIRE
- UNIT DUCT 5-1/C #2 1/C #4 GROUND

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

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



LOAD TABLE LIGHTING CONTROLLER "LC"
120/240V AC, 1Ø, 200 AMP WITH 8-30A, 2-40A BKRS.

ON RED WIRE			ON BLACK WIRE			ON BLUE WIRE					
CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE	CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE	CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	7	8.75	875	B	7	7.5	750	J	26 RECEPT.	39	4680
C	6	7.5	750	D	6	8.75	875	K	24 RECEPT.	36	4320
E	6	7.5	750	F	6	7.5	750	-	-	-	-
G	6	7.5	750	H	6	7.5	750	-	-	-	-
TOTAL		31.25	3125	TOTAL		31.25	3125	TOTAL	50 RECEPT.	75	9000

TOTAL LOAD IN WATTS 15,250
TOTAL LOAD IN AMPS 137.5

- NOTES:**
- FOR LEGEND AND GENERAL NOTES, SEE SHEET EL-01.

HRG PROJECT NO.: #PROJECT/NO#
HRG PROJ CONTACT: #PROGRAM#
FILE NUMBER: 200-5377-EL-04.dgn
PEN TABLE: #PEN TABLE#

 AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = vramesh	DESIGNED - MH	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED - BL	REVISED -
	PLOT DATE = 1/4/2019	DATE - 11/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

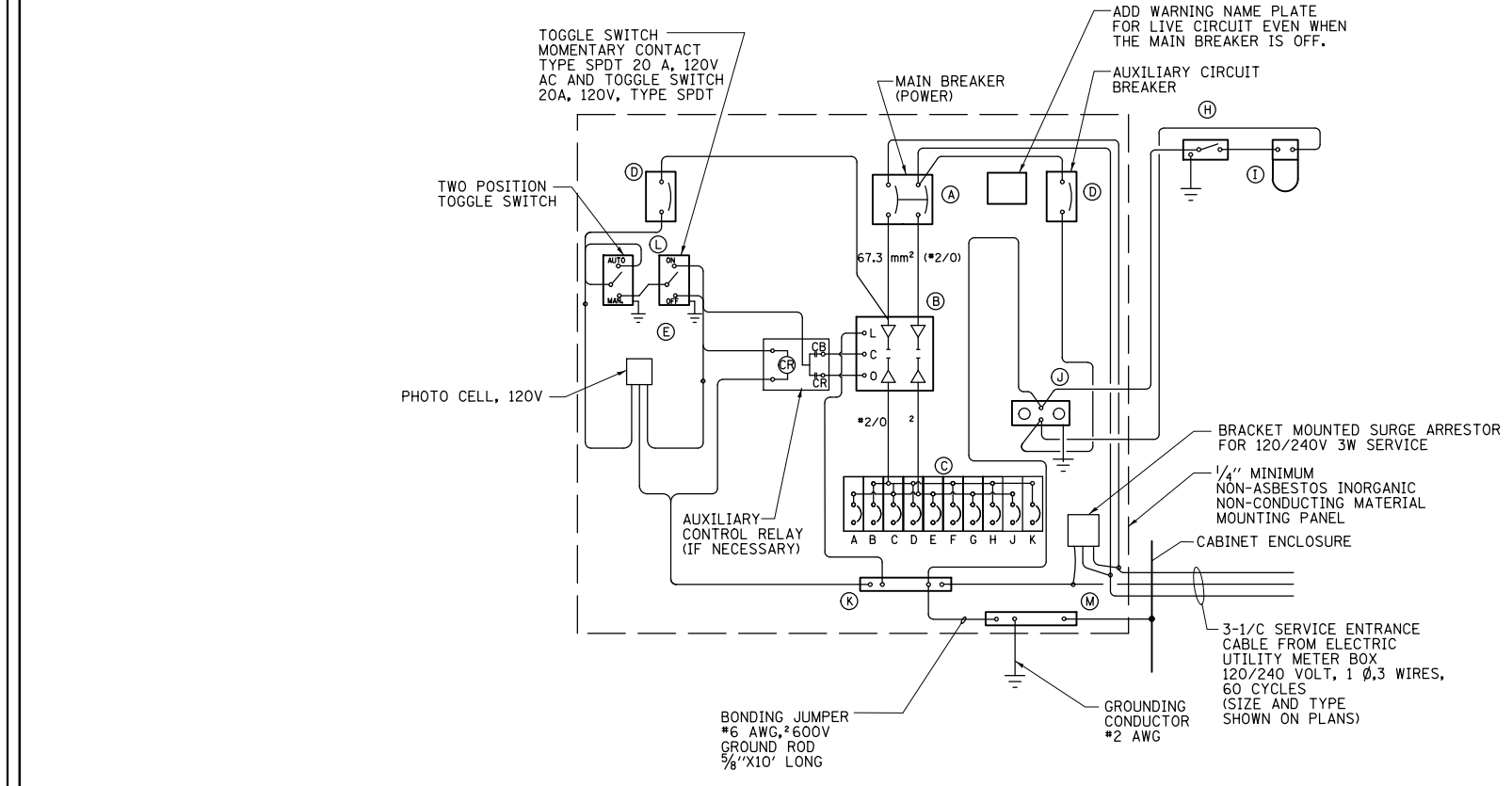
SINGLE LINE WIRING DIAGRAM			
IL ROUTE 19 (IRVING PARK ROAD)			
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA. 504+91.58 TO STA. 539+32.53	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	59
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61F41		

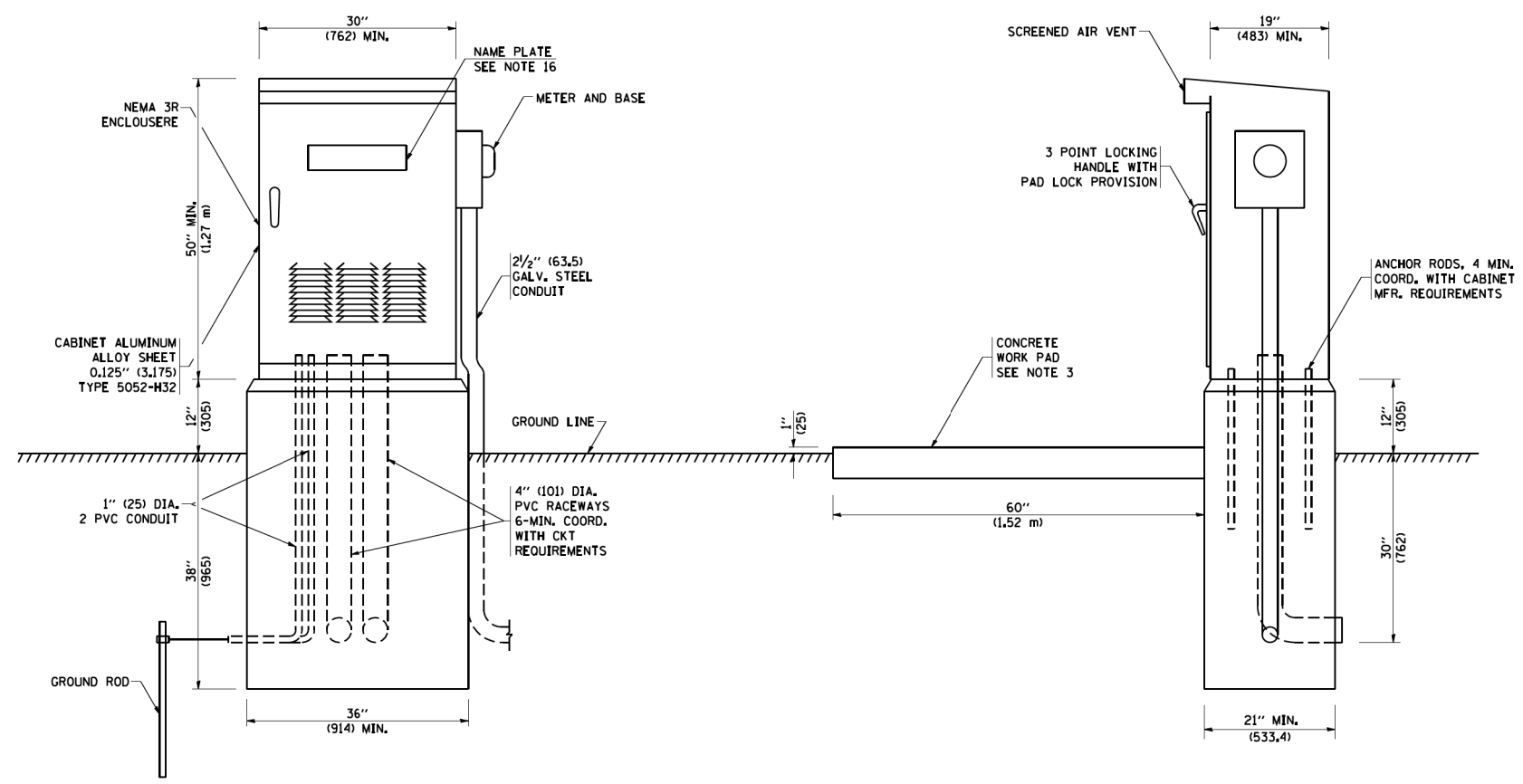
DATE	BY

DATE	BY

HRG PROJECT NO.: #PROJECTNO#
 HRG PROJ CONTACT: #PROGRAM#
 HRG FILE NUMBER: #REV#-REV#-EL-05.dwg
 HRG PEN TABLE: #PEN# TABLE#



WIRING DIAGRAM



PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 200 AMP. FRAME, 60AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 200 AMP., 600 VOLTS CONTROL CIRCUITS 120 VOLT, ASCO 920.
C	8	CIRCUIT BREAKERS, 1 POLE, 277V., 100AMP. FRAME 30AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V.
C	2	CIRCUIT BREAKERS, 1 POLE, 277V., 100AMP. FRAME 40AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V. (GFCI)
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100AMP. FRAME, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V.
E	1	PHOTOCCELL, 120V
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER NEUTRAL BUS 6.35 mm (1/4") X 25.4 mm (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS.
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 mm (4") X 101.6 mm (4") BOX.
M	1	COPPER GROUND BUS 6.35 mm (1/4") X 25.4 (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.
N	1	SURGE ARRESTOR

NOTES:

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18,288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = vramesh	DESIGNED - MH	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - RV	REVISED -
PLOT DATE = 1/4/2019	CHECKED - BL	REVISED -
	DATE - 11/14/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

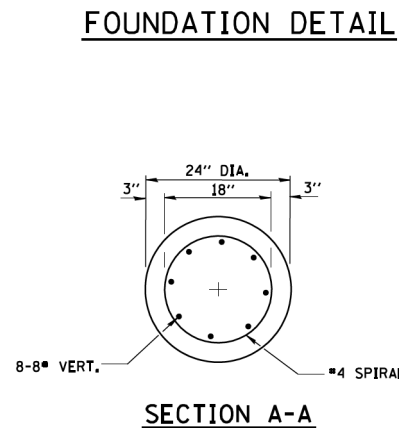
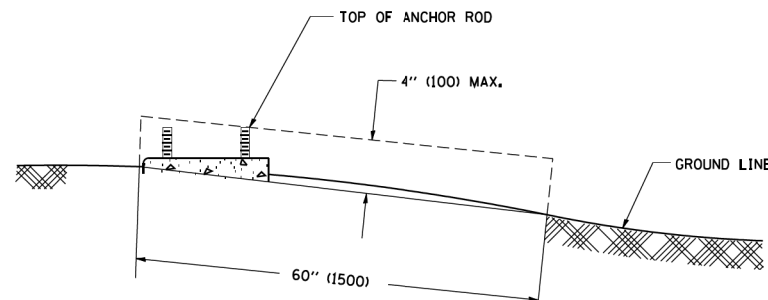
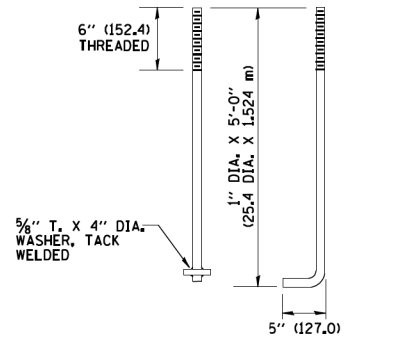
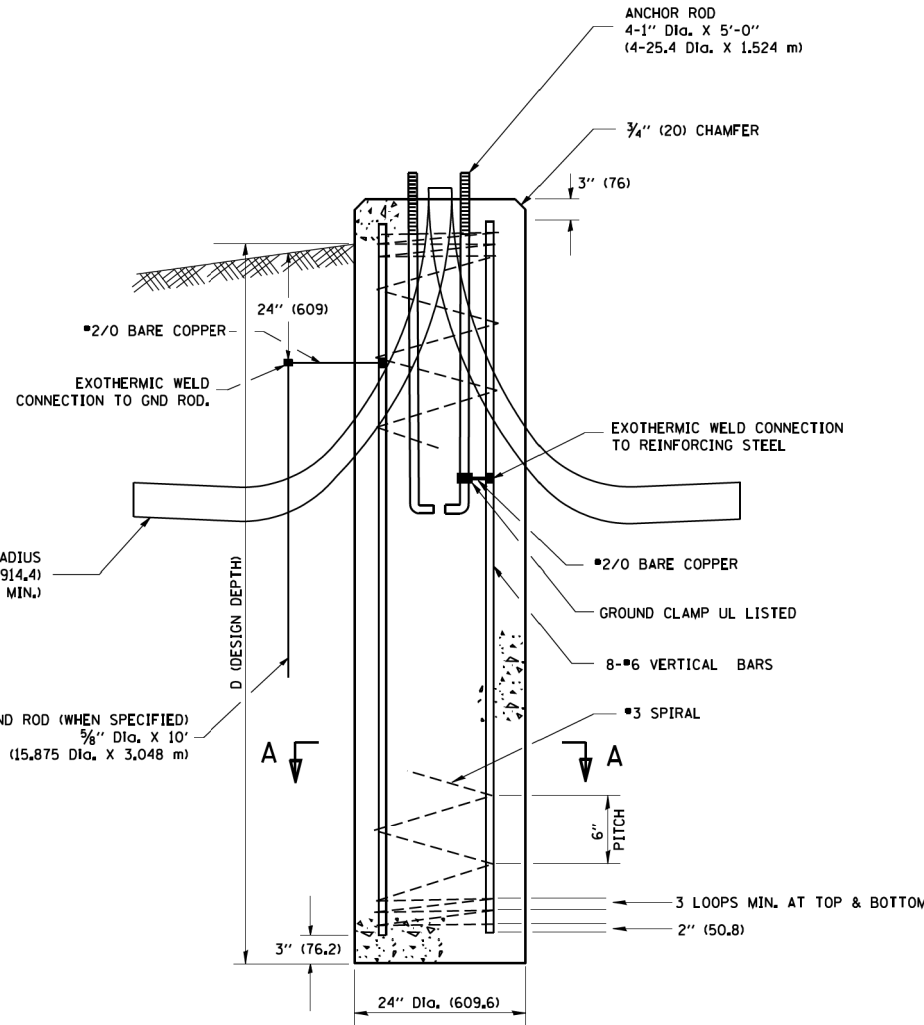
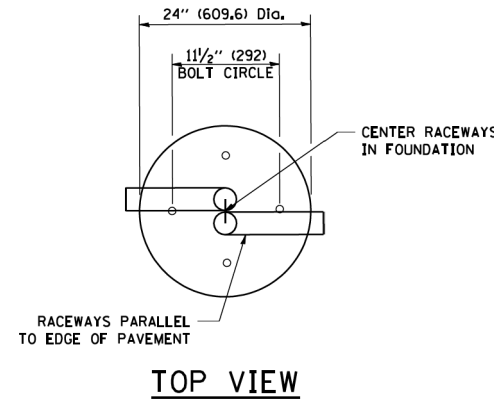
LIGHTING CONTROLLER - SINGLE DOOR
IL ROUTE 19 (IRVING PARK ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	60
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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/SO. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



NOTES

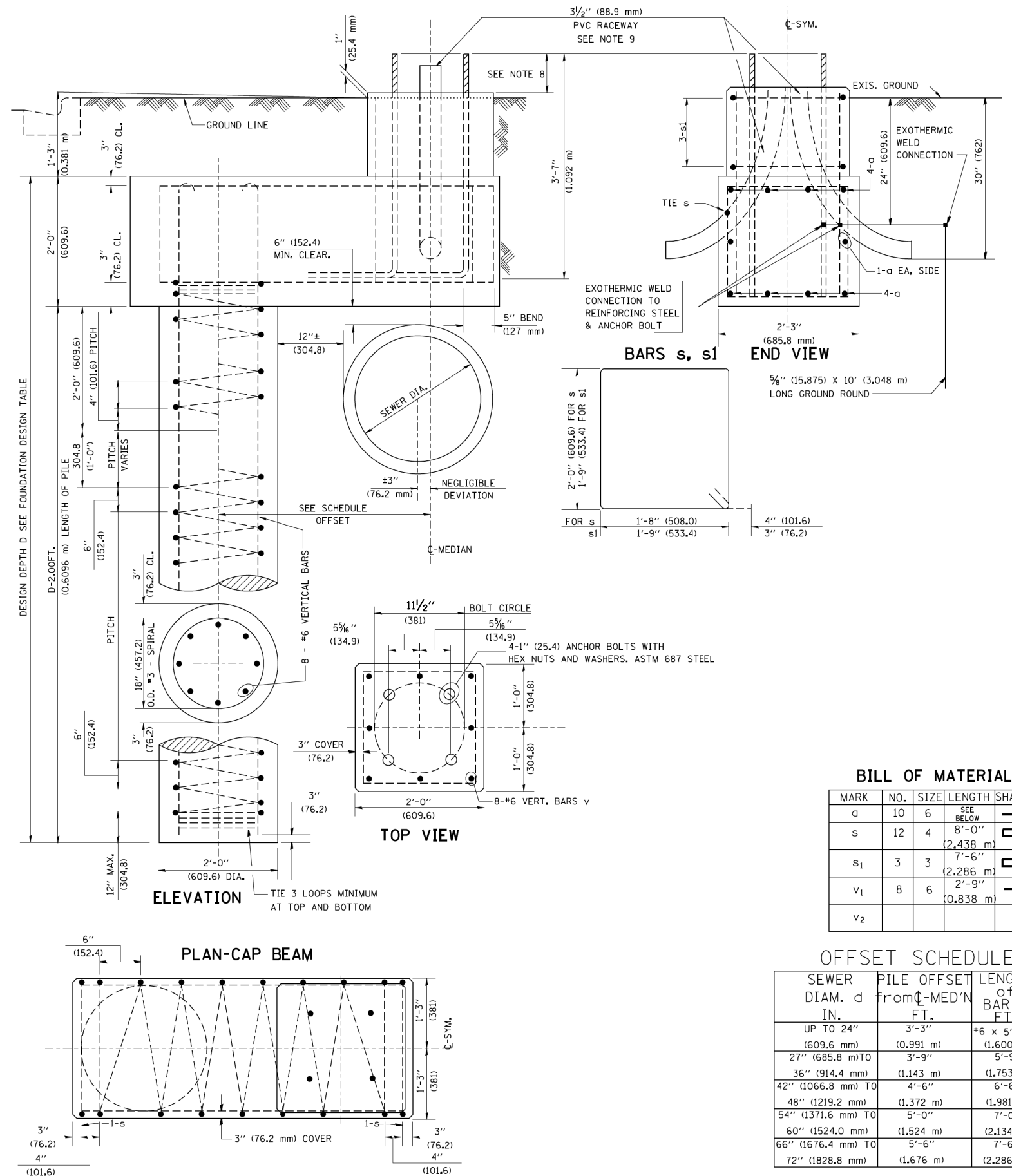
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION,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

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

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 2 3/4" (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.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2,438 m)	□
s ₁	3	3	7'-6" (2,286 m)	□
v ₁	8	6	2'-9" (0,838 m)	—
v ₂				

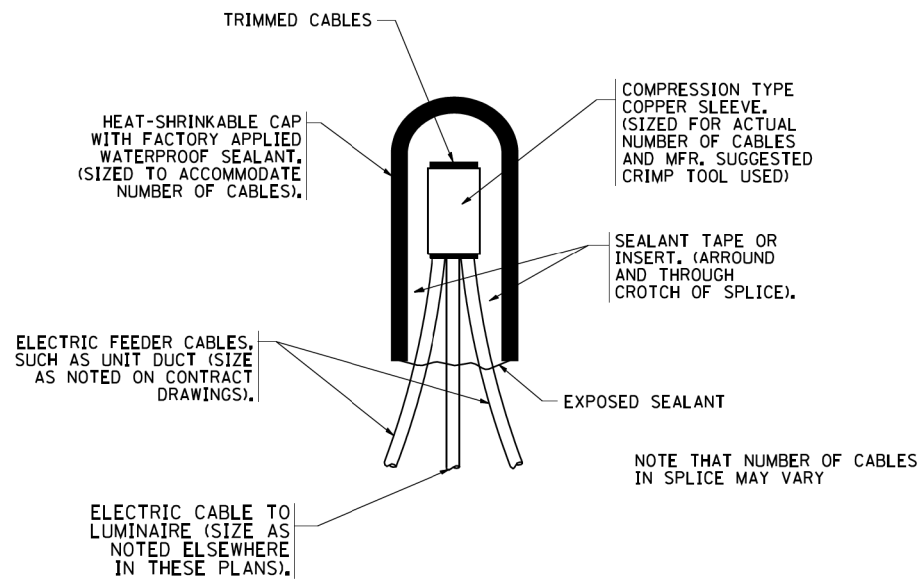
OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET FROM C-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	3'-9" (1,143 m)	5'-9" (1,753 m)
36" (914.4 mm) TO	4'-6" (1,372 m)	6'-6" (1,981 m)
42" (1066.8 mm) TO	5'-0" (1,524 m)	7'-0" (2,134 m)
48" (1219.2 mm) TO	5'-6" (1,676.4 mm)	7'-6" (2,286 m)
54" (1371.6 mm) TO	6'-0" (1,828.8 mm)	
60" (1524.0 mm) TO		
66" (1676.4 mm) TO		
72" (1828.8 mm) TO		

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

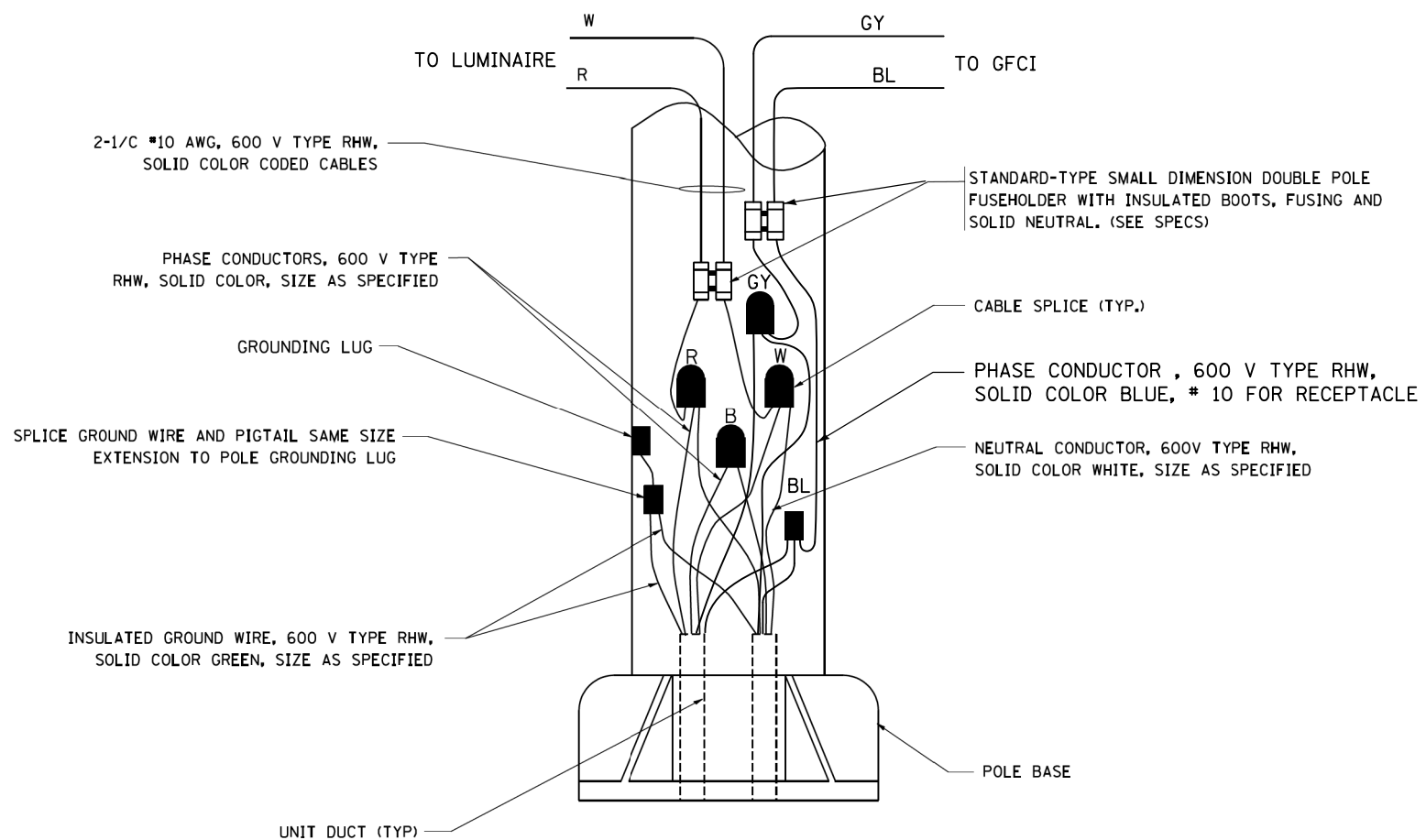
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
	NOTATIS CHKD	
	NO.	

HRG PROJECT NO.: #PROJECT/NO#
 HRG PROJ CONTACT: #PROG/NO#
 FILE NUMBER: 286-5977-EL-08.dgn
 PEN TABLE: #PEN/TABLE#
 By: vramesh



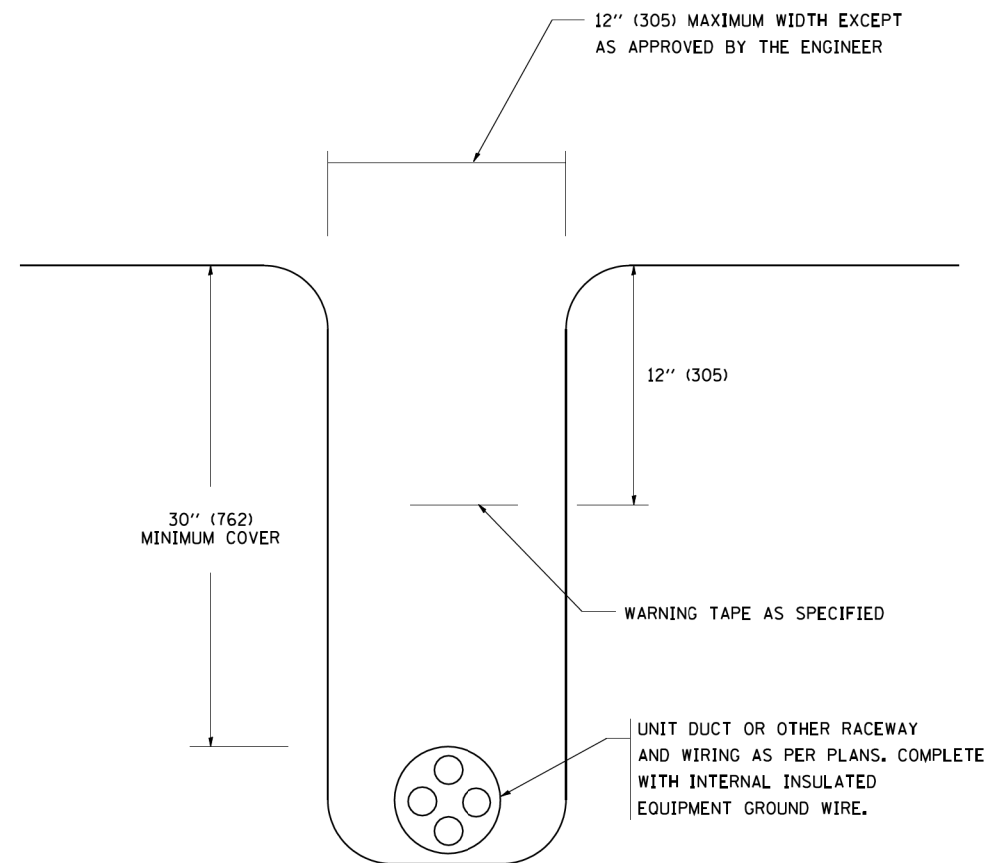
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = vramesh	DESIGNED - MH	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - RV	REVISED -
PLOT DATE = 1/4/2019	CHECKED - BL	REVISED -
	DATE - 11/14/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

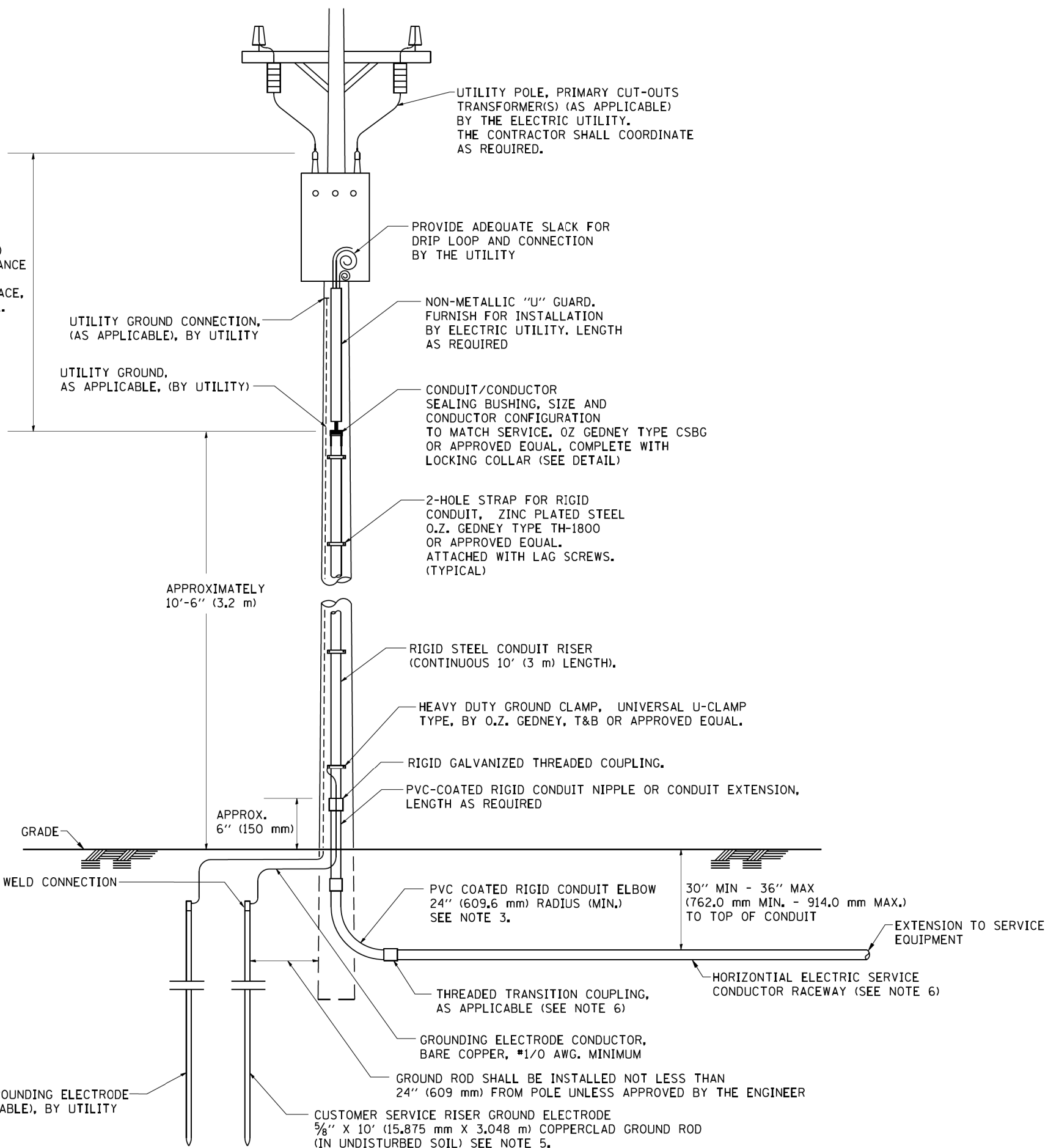
MISC. ELECTRICAL DETAILS
SHEET A
IL ROUTE 19 (IRVING PARK ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	63
				CONTRACT NO. 61F41
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EL-08

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

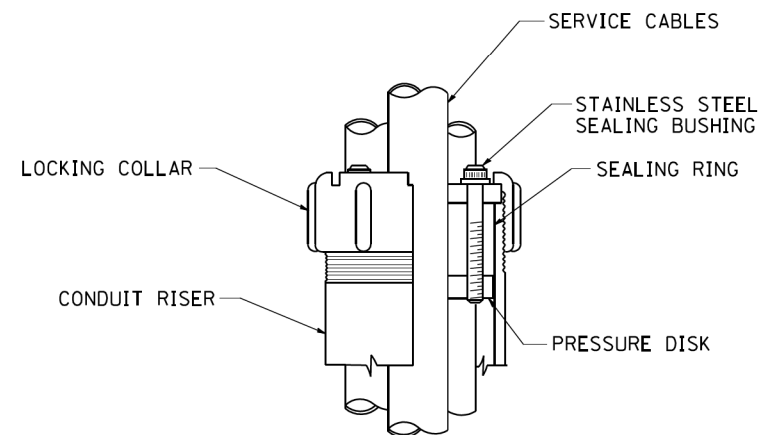


APPLICATION

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

EL-09

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME =	DESIGNED -	REVISED - 03-03-06
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT**

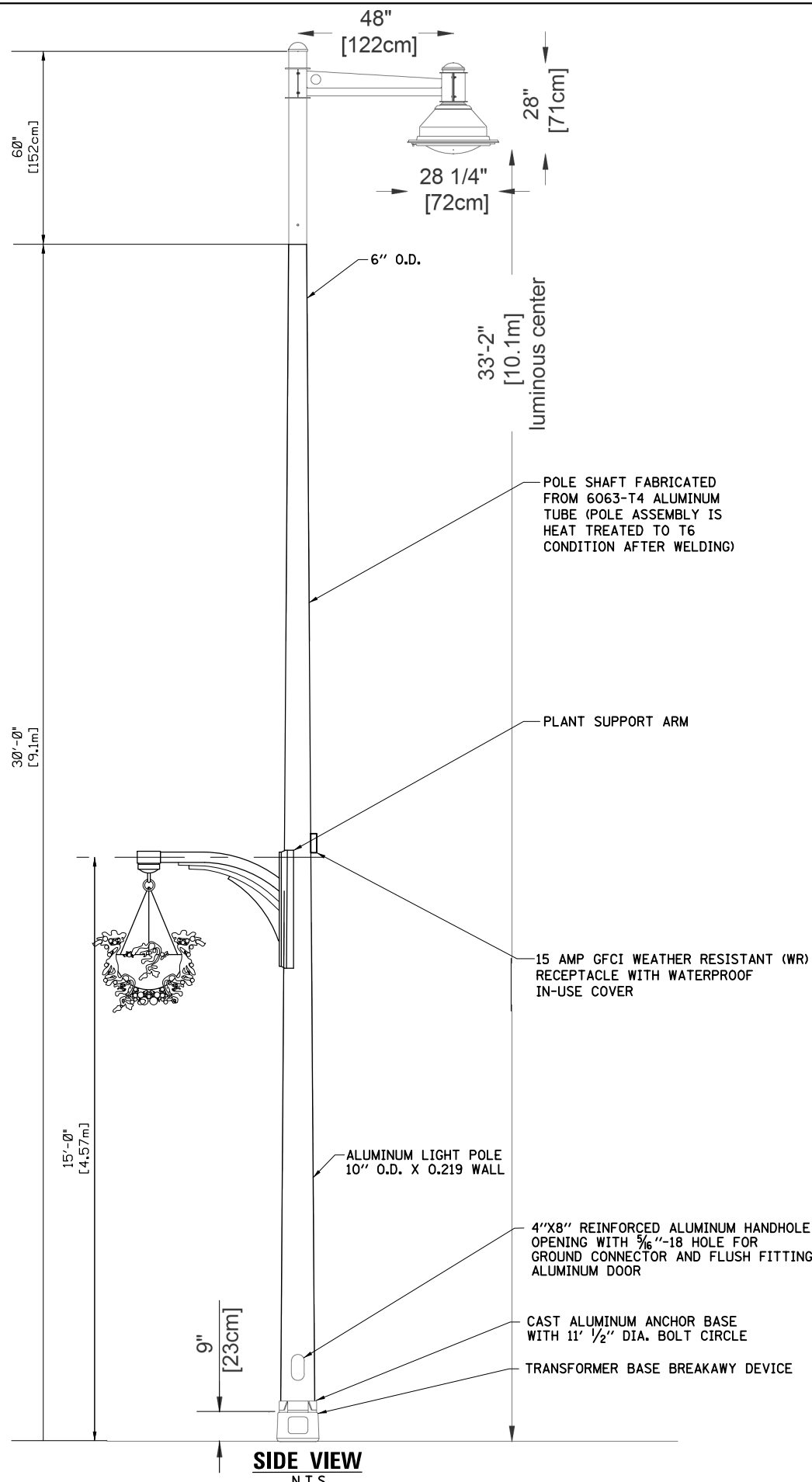
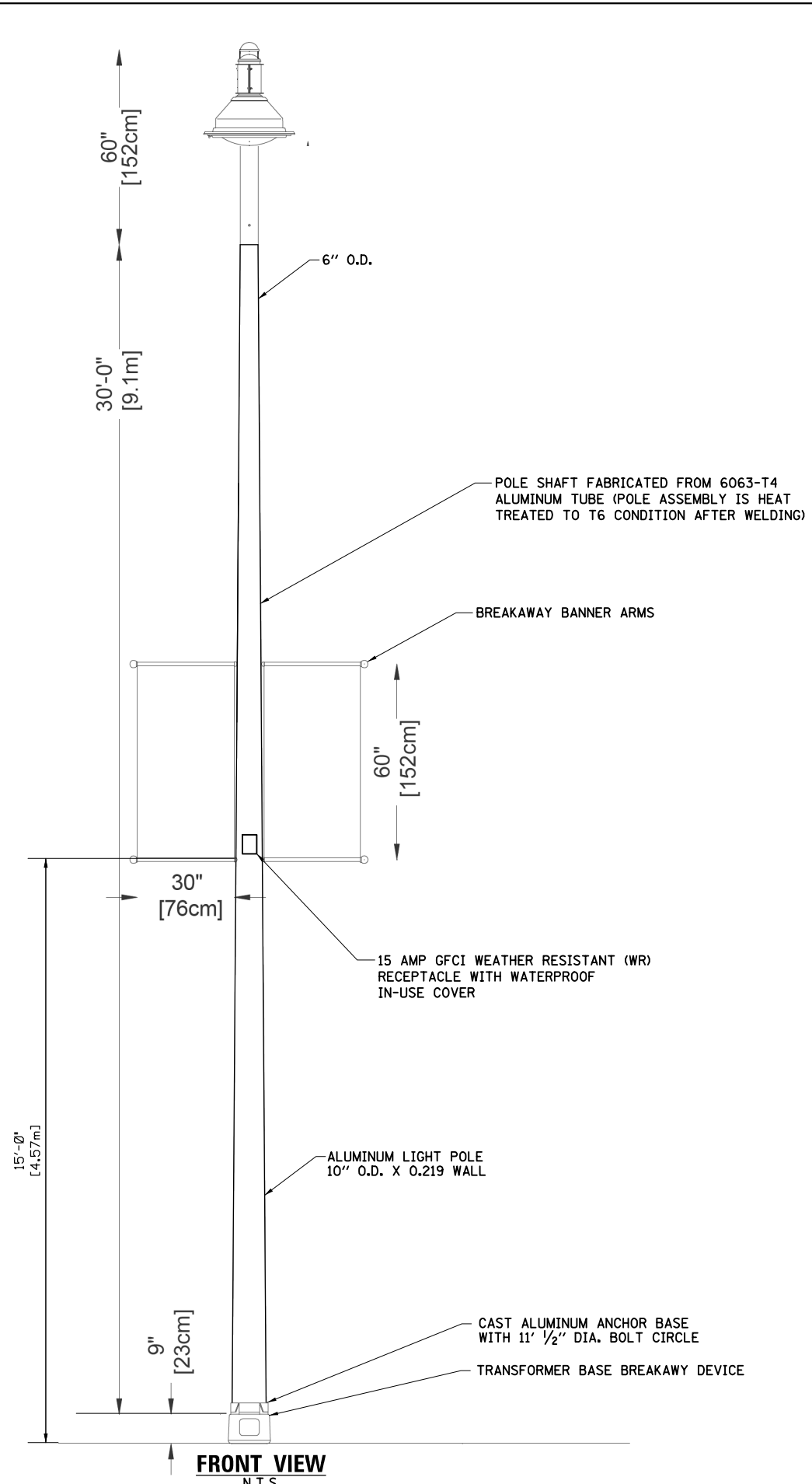
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	64
BE-220		CONTRACT NO. 61F41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: #PROJECTNO#
 HRG PROJ CONTACT: #PROGNAME#
 FILE NUMBER: 280-577-EL-10.dgn
 PEN TABLE: #PEN TABLE#



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- $\frac{3}{8}$ "-16 CONNECTOR, BURNDY K2C23 T&B SP4DL OR APPROVED EQUAL.
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).

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = vramesh	DESIGNED - MH	REVISED -
PLOT SCALE = 100.0000' / 1in.	DRAWN - RV	REVISED -
PLOT DATE = 1/4/2019	CHECKED - BL	REVISED -
	DATE - 11/14/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHT POLE DETAILS
 IL ROUTE 19 (IRVING PARK ROAD)

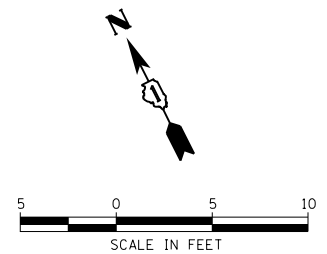
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	65
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F41	

POINT	STATION	OFFSET	ELEVATION
A	508+77.6	55.1' L	(786.35')
B	508+77.6	51.1' L	(786.25')
C	508+98.1	55.1' L	783.84'
D	508+98.1	50.1' L	783.74'
E	508+99.6	55.6' L	783.80'
F	508+99.4	49.6' L	783.70'
G	508+99.8	55.1' L	783.80'
H	508+99.5	50.1' L	783.70'
I	509+28.1	53.7' L	783.69'
J	509+28.1	47.7' L	783.57'
K	508+92.9	55.1' L	783.92'
L	508+92.9	50.1' L	783.82'
M	508+87.8	50.1' L	784.65'
N	508+87.6	55.1' L	784.69'

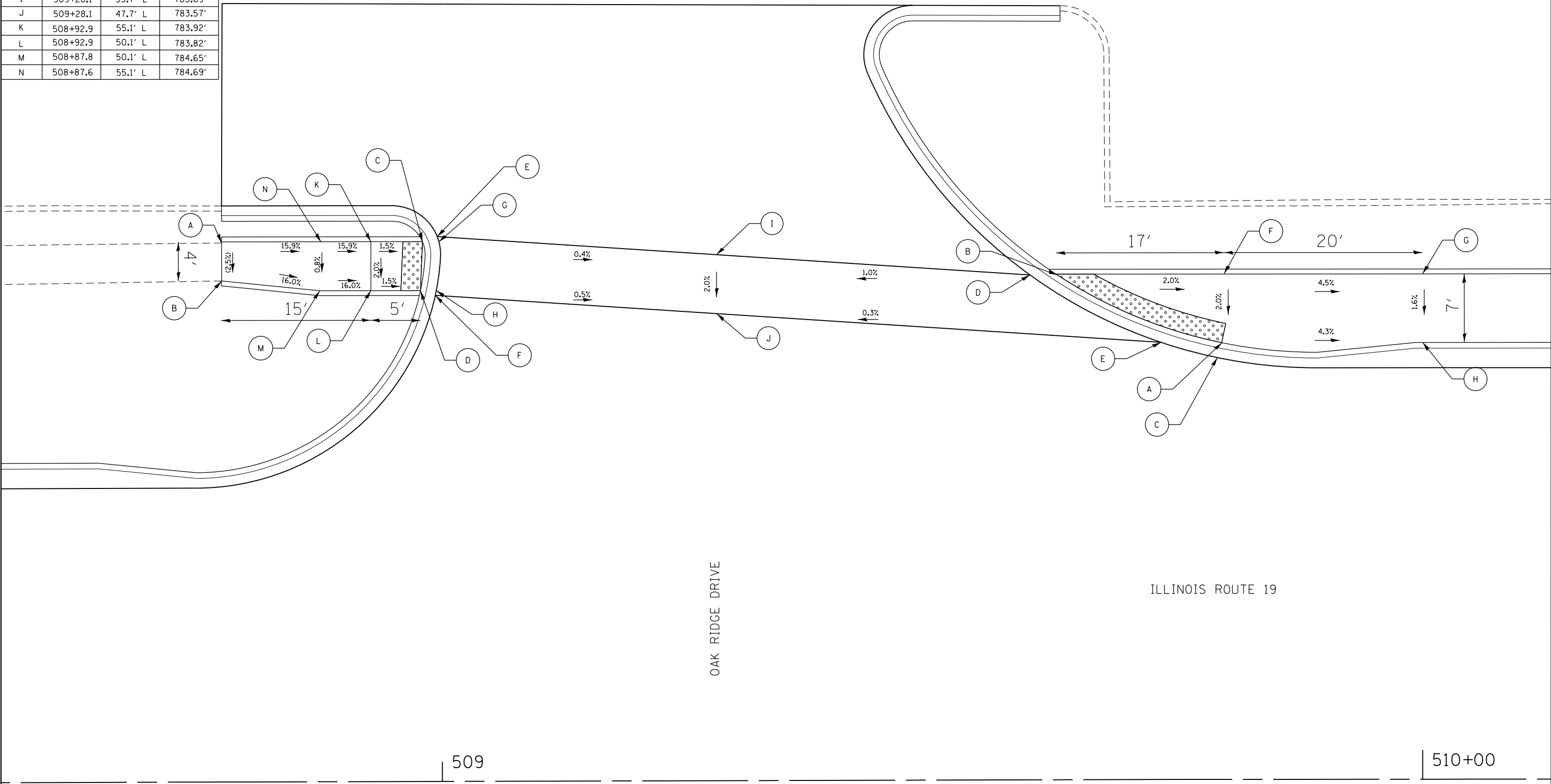
LEGEND			
(A)	POINT	(XXX.XX')	EXISTING ELEVATION
[Pattern]	DETECTABLE WARNINGS	(%)	EXISTING SLOPE
[Solid Box]	PROPOSED SIDEWALK		

POINT	STATION	OFFSET	ELEVATION
A	509+79.5	44.6' L	783.56'
B	509+62.7	51.6' L	784.04'
C	509+79.1	43.1' L	783.52'
D	509+60.1	51.5' L	784.00'
E	509+73.4	44.6' L	783.70'
F	509+79.8	51.6' L	783.70'
G	510+00.0	51.6' L	782.78'
H	510+00.0	44.6' L	782.67'



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	DATE	



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-507-4671
 FILE NUMBER: 10-00055-00-WR
 PEN TABLE: 61F41



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

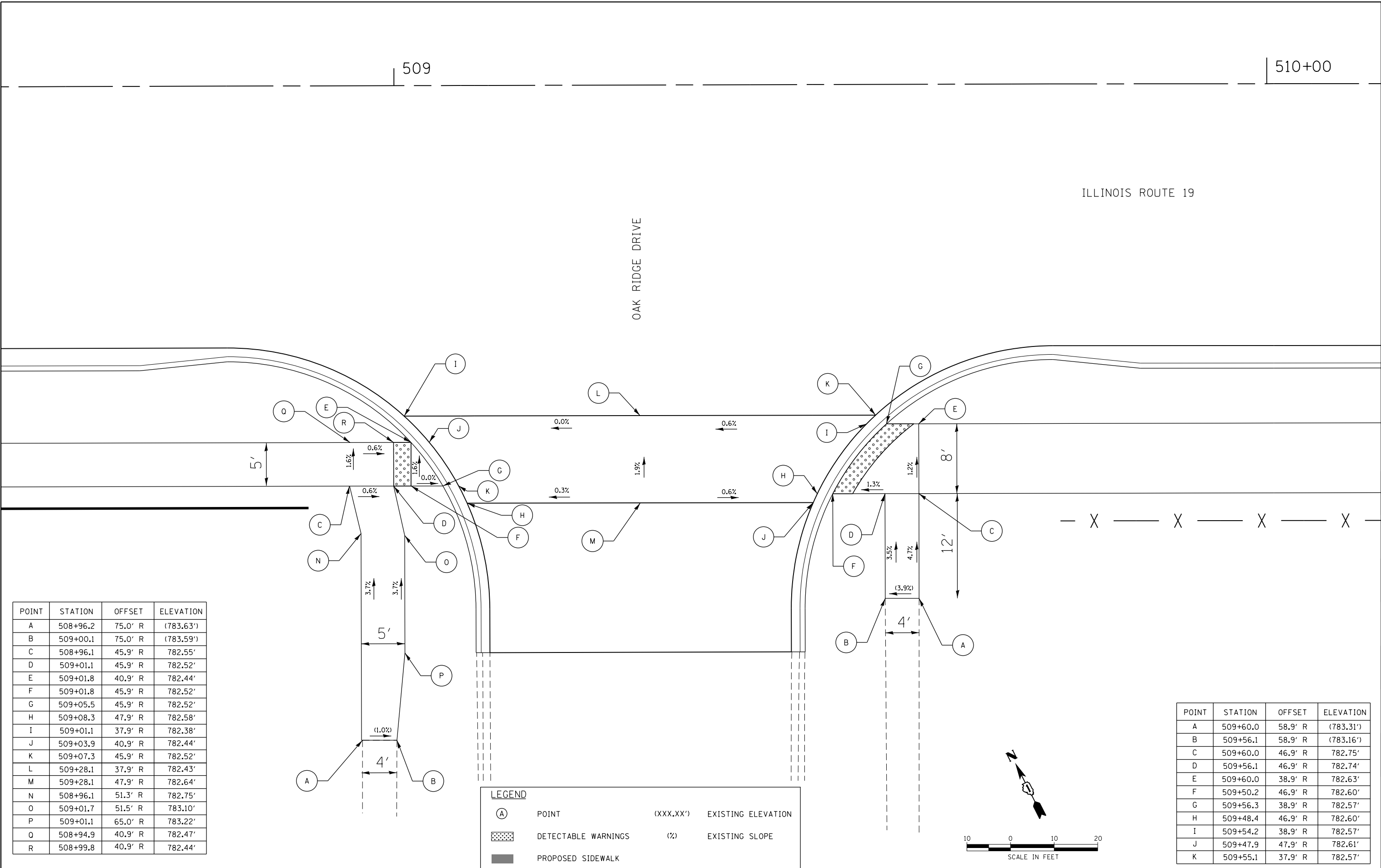
SIDEWALK RAMP DETAILS			
ILLINOIS ROUTE 19			
SCALE: 1"=10'	SHEET 1	OF 11 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	66
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-597-4671-swramps-02.dgn
 FILE NAME: 10-00055-00-11-11-11.dwg
 PEN TABLE: 10-00055-00-11-11-11.tbl



POINT	STATION	OFFSET	ELEVATION
A	508+96.2	75.0' R	(783.63')
B	509+00.1	75.0' R	(783.59')
C	508+96.1	45.9' R	782.55'
D	509+01.1	45.9' R	782.52'
E	509+01.8	40.9' R	782.44'
F	509+01.8	45.9' R	782.52'
G	509+05.5	45.9' R	782.52'
H	509+08.3	47.9' R	782.58'
I	509+01.1	37.9' R	782.38'
J	509+03.9	40.9' R	782.44'
K	509+07.3	45.9' R	782.52'
L	509+28.1	37.9' R	782.43'
M	509+28.1	47.9' R	782.64'
N	508+96.1	51.3' R	782.75'
O	509+01.7	51.5' R	783.10'
P	509+01.1	65.0' R	783.22'
Q	508+94.9	40.9' R	782.47'
R	508+99.8	40.9' R	782.44'

LEGEND

(A) POINT (XXX.XX') EXISTING ELEVATION

[Hatched Box] DETECTABLE WARNINGS (%) EXISTING SLOPE

[Solid Box] PROPOSED SIDEWALK

POINT	STATION	OFFSET	ELEVATION
A	509+60.0	58.9' R	(783.31')
B	509+56.1	58.9' R	(783.16')
C	509+60.0	46.9' R	782.75'
D	509+56.1	46.9' R	782.74'
E	509+60.0	38.9' R	782.63'
F	509+50.2	46.9' R	782.60'
G	509+56.3	38.9' R	782.57'
H	509+48.4	46.9' R	782.60'
I	509+54.2	38.9' R	782.57'
J	509+47.9	47.9' R	782.61'
K	509+55.1	37.9' R	782.57'



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
ILLINOIS ROUTE 19**

SCALE: 1"=10' SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	67
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. 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.		

POINT	STATION	OFFSET	ELEVATION
A	515+12.3	69.0' L	(789.18')
B	515+16.2	69.0' L	(789.07')
C	515+13.3	49.8' L	789.45'
D	515+18.3	49.8' L	789.50'
E	515+13.1	44.8' L	789.50'
F	515+16.9	44.8' L	789.58'
G	515+20.6	49.8' L	789.52'
H	515+18.5	44.2' L	789.57'
I	515+22.7	50.2' L	789.51'
J	515+19.1	44.9' L	789.56'
K	515+22.4	49.7' L	789.52'
L	515+43.5	49.1' L	789.81'
M	515+43.5	43.0' L	789.93'
N	515+13.3	59.0' L	789.32'
O	515+18.3	59.2' L	789.28'
P	515+00.0	44.8' L	(788.84')
Q	515+00.0	49.8' L	(788.92')
R	515+14.4	44.8' L	789.53'

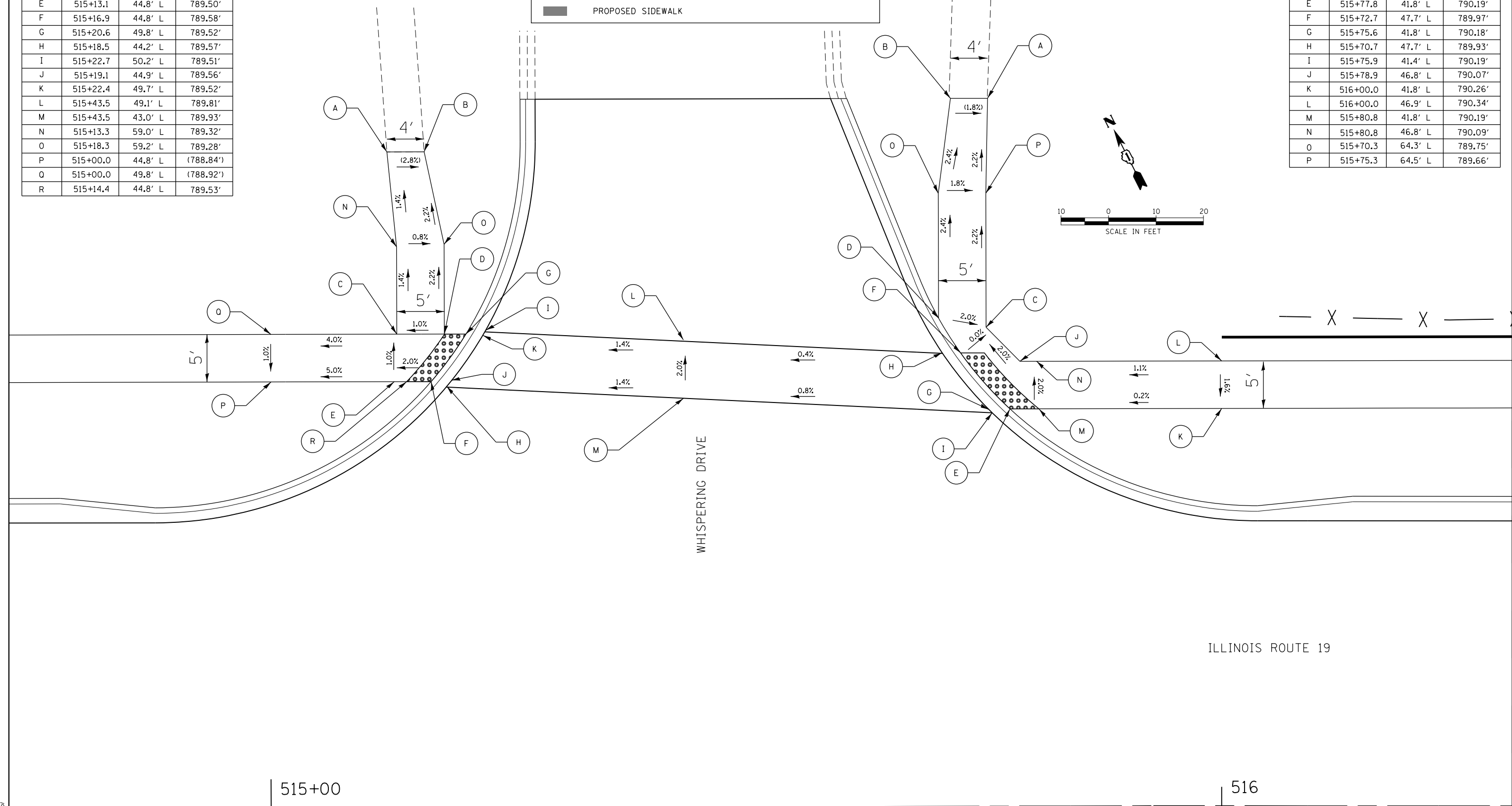
LEGEND

(A) POINT (XXX.XX') EXISTING ELEVATION

[Pattern] DETECTABLE WARNINGS (%) EXISTING SLOPE

[Solid] PROPOSED SIDEWALK

POINT	STATION	OFFSET	ELEVATION
A	515+75.5	74.5' L	(789.44')
B	515+71.6	74.5' L	(789.51')
C	515+75.3	50.4' L	789.97'
D	515+70.3	51.4' L	790.07'
E	515+77.8	41.8' L	790.19'
F	515+72.7	47.7' L	789.97'
G	515+75.6	41.8' L	790.18'
H	515+70.7	47.7' L	789.93'
I	515+75.9	41.4' L	790.19'
J	515+78.9	46.8' L	790.07'
K	516+00.0	41.8' L	790.26'
L	516+00.0	46.9' L	790.34'
M	515+80.8	41.8' L	790.19'
N	515+80.8	46.8' L	790.09'
O	515+70.3	64.3' L	789.75'
P	515+75.3	64.5' L	789.66'



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-dgt-swramps-03.dgn
 FILE NAME: 266-srt-dgt-swramps-03.dgn
 PEN TABLE: pofchtbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

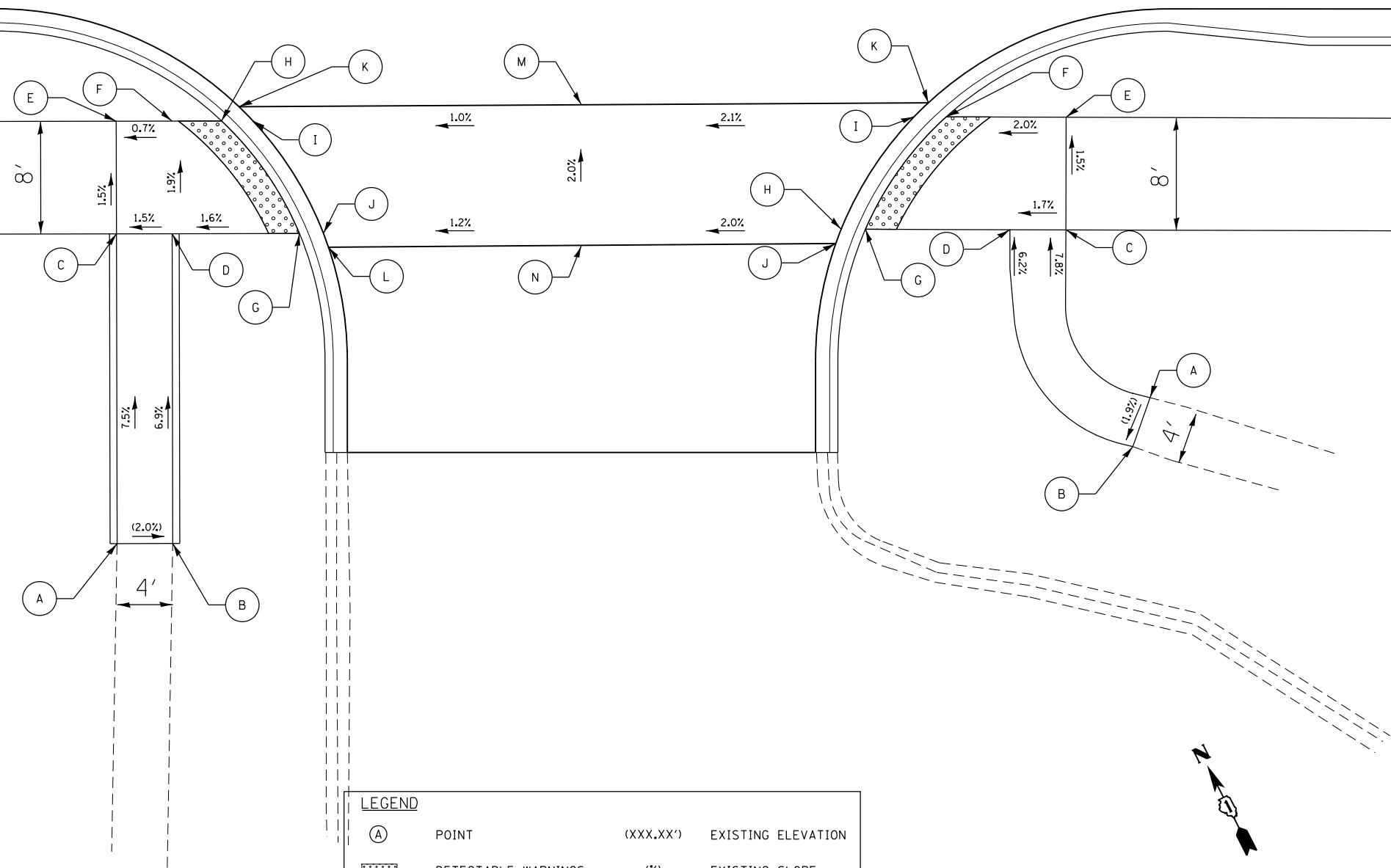
SIDEWALK RAMP DETAILS ILLINOIS ROUTE 19			
SCALE: 1"=10'	SHEET 3	OF 11 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	68
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

OSPREY COURT

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	FILE NAME	
	PROJECT	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIS	
	CHKD	
	BY	
	FILE NAME	
	PROJECT	



POINT	STATION	OFFSET	ELEVATION
A	517+48.6	68.0' R	(795.45')
B	517+52.6	68.0' R	(795.37')
C	517+48.6	46.0' R	793.80'
D	517+52.5	46.0' R	793.86'
E	517+48.5	38.0' R	793.68'
F	517+52.5	38.0' R	793.71'
G	517+61.5	46.0' R	794.01'
H	517+56.0	38.0' R	793.73'
I	517+58.2	37.8' R	793.73'
J	517+63.2	45.9' R	794.01'
K	517+57.2	37.0' R	793.69'
L	517+63.6	46.9' R	794.04'
M	517+81.6	36.8' R	793.94'
N	517+81.6	46.8' R	794.14'

POINT	STATION	OFFSET	ELEVATION
A	518+21.9	57.6' R	(795.92')
B	518+20.7	61.1' R	(795.85')
C	518+15.9	45.0' R	794.78'
D	518+12.0	45.0' R	794.67'
E	518+16.0	35.0' R	794.62'
F	518+11.1	35.0' R	794.45'
G	518+02.0	44.9' R	794.50'
H	518+00.4	44.8' R	794.50'
I	518+08.2	34.9' R	794.45'
J	517+99.8	46.1' R	794.51'
K	518+09.5	34.1' R	794.44'

LEGEND

- (A) POINT (XXX.XX') EXISTING ELEVATION
- [Hatched Box] DETECTABLE WARNINGS (%) EXISTING SLOPE
- [Solid Box] PROPOSED SIDEWALK

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-597-4671-swr@hr.com
 FILE NUMBER: 10-00055-00-19
 PEN TABLE: 10/16/2019



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'		SHEET 4 OF 11 SHEETS		STA.	TO STA.
---------------	--	----------------------	--	------	---------

SIDEWALK RAMP DETAILS
 ILLINOIS ROUTE 19

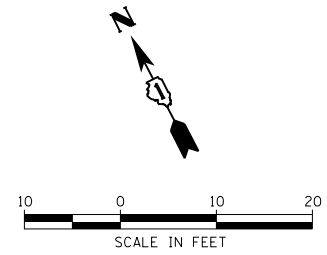
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	69
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

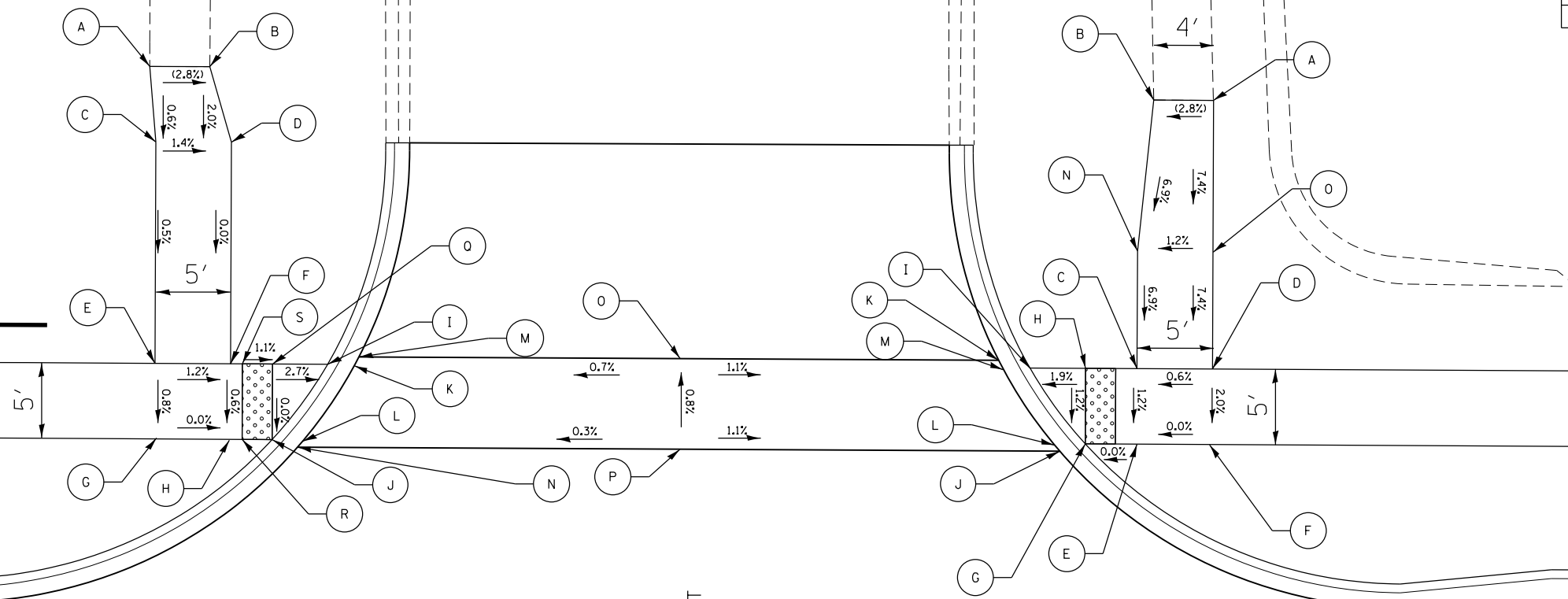
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	FILE NAME _____	
	FILED _____	

POINT	STATION	OFFSET	ELEVATION
A	522+69.7	65.5' L	(794.73')
B	522+73.7	65.5' L	(794.62')
C	522+70.1	60.5' L	794.70'
D	522+75.1	60.5' L	794.63'
E	522+70.1	45.8' L	794.64'
F	522+75.1	45.8' L	794.63'
G	522+70.2	40.8' L	794.60'
H	522+75.1	40.8' L	794.60'
I	522+81.6	45.8' L	794.50'
J	522+77.9	40.8' L	794.60'
K	522+83.3	45.7' L	794.50'
L	522+79.9	40.7' L	794.60'
M	522+83.6	46.3' L	794.49'
N	522+79.6	40.3' L	794.61'
O	523+04.9	46.3' L	794.63'
P	523+04.9	40.3' L	794.68'
Q	522+77.9	45.8' L	794.60'
R	522+75.9	40.9' L	794.60'
S	522+75.9	45.8' L	794.62'

LEGEND			
(A)	POINT	(XXX.XX')	EXISTING ELEVATION
[Pattern]	DETECTABLE WARNINGS	(%)	EXISTING SLOPE
[Solid]	PROPOSED SIDEWALK		



POINT	STATION	OFFSET	ELEVATION
A	523+40.1	63.5' L	(795.81')
B	523+36.2	63.5' L	(795.70')
C	523+35.1	45.8' L	794.47'
D	523+40.1	45.8' L	794.50'
E	523+35.2	40.8' L	794.41'
F	523+39.9	40.8' L	794.41'
G	523+31.7	40.8' L	794.41'
H	523+31.7	45.8' L	794.47'
I	523+28.1	45.8' L	794.40'
J	523+30.1	40.3' L	794.41'
K	523+26.0	46.3' L	794.40'
L	523+29.7	40.7' L	794.41'
M	523+26.3	45.7' L	794.40'
N	523+35.1	53.5' L	795.01'
O	523+40.1	53.5' L	795.07'



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-571-4671
 FILE NAME: 266-571-4671-swramps-05.dgn
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS			
ILLINOIS ROUTE 19			
SCALE: 1"=10'	SHEET 5	OF 11 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	70
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

523

ILLINOIS ROUTE 19

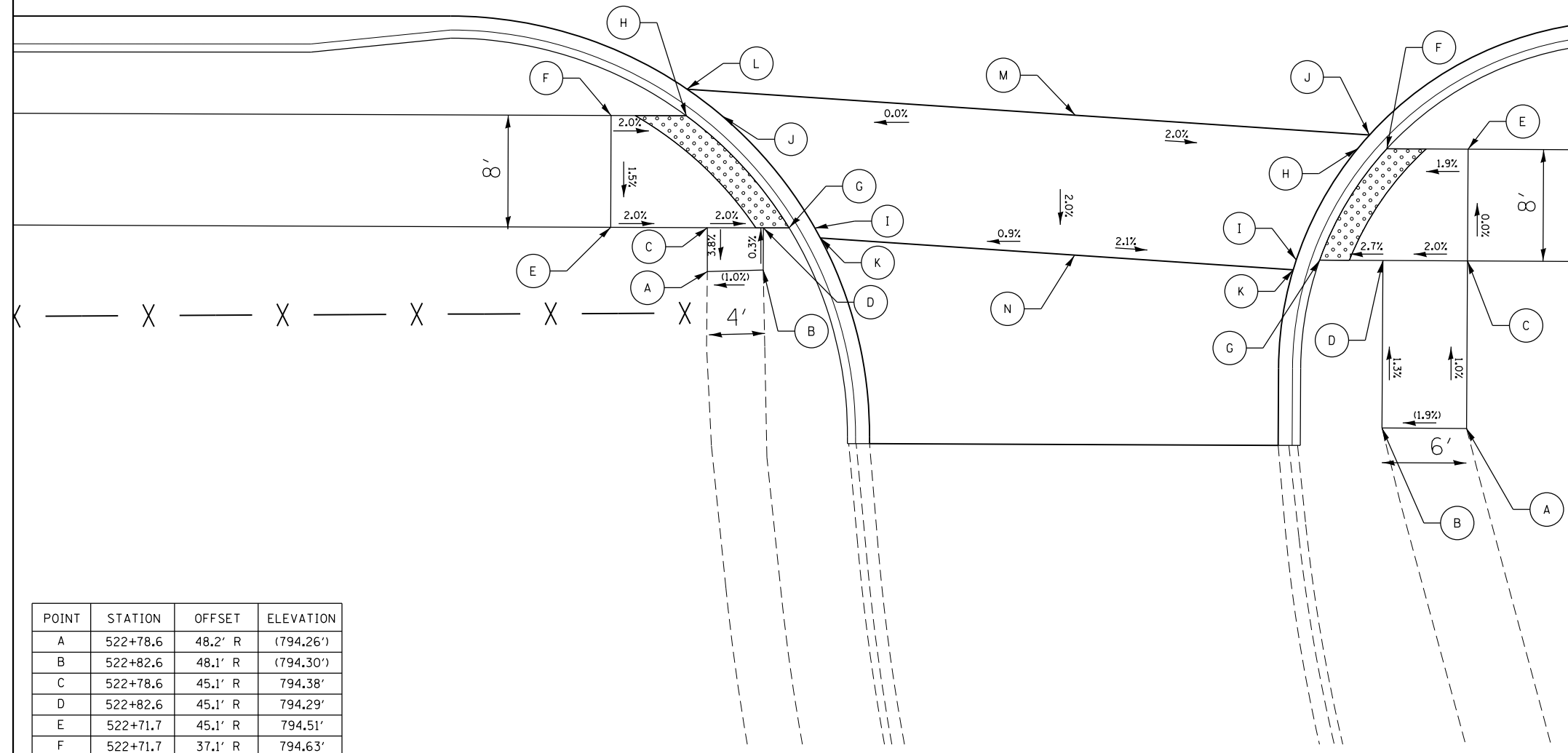
COLONIAL COURT

MERRY OAKS ROAD

ILLINOIS ROUTE 19

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	

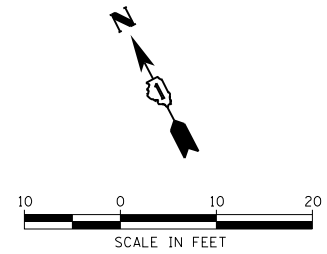
PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	



POINT	STATION	OFFSET	ELEVATION
A	522+78.6	48.2' R	(794.26')
B	522+82.6	48.1' R	(794.30')
C	522+78.6	45.1' R	794.38'
D	522+82.6	45.1' R	794.29'
E	522+71.7	45.1' R	794.51'
F	522+71.7	37.1' R	794.63'
G	522+84.5	45.1' R	794.26'
H	522+77.1	37.1' R	794.53'
I	522+86.3	45.1' R	794.26'
J	522+79.6	37.1' R	794.53'
K	522+86.7	45.8' R	794.24'
L	522+77.1	35.2' R	794.61'
M	523+04.9	36.9' R	794.60'
N	523+04.9	46.9' R	794.40'

LEGEND			
(A)	POINT	(XXX.XX')	EXISTING ELEVATION
[Pattern]	DETECTABLE WARNINGS	(%)	EXISTING SLOPE
[Solid]	PROPOSED SIDEWALK		

POINT	STATION	OFFSET	ELEVATION
A	523+33.0	59.2' R	(794.32')
B	523+27.0	59.2' R	(794.23')
C	523+33.0	47.2' R	794.15'
D	523+27.0	47.2' R	794.07'
E	523+33.0	39.2' R	794.27'
F	523+27.2	39.2' R	794.16'
G	523+22.5	47.2' R	794.02'
H	523+25.1	39.2' R	794.16'
I	523+20.8	47.2' R	794.02'
J	523+26.0	38.3' R	794.18'
K	523+20.6	47.9' R	794.01'



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-597-4671
 FILE NUMBER: 10-00055-00-WR
 PEN TABLE: 10/15/2018



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

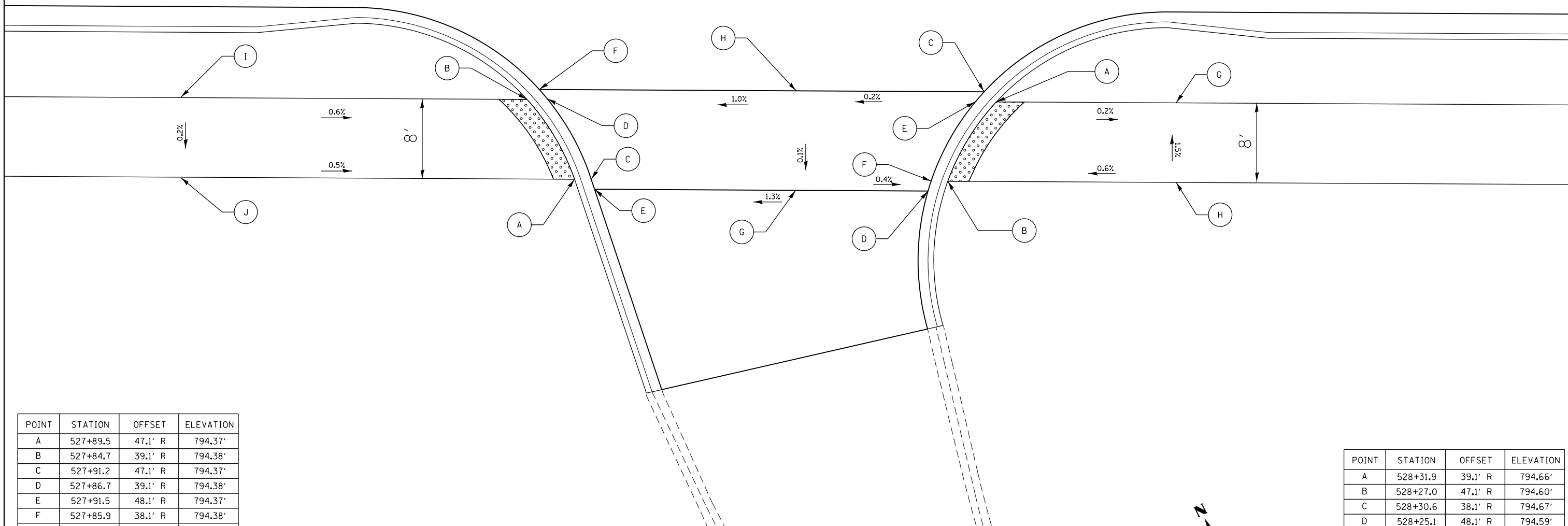
SIDEWALK RAMP DETAILS			
ILLINOIS ROUTE 19			
SCALE: 1"=10'	SHEET 6	OF 11 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	71
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

ENTRANCE

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	DATE	
	BY	
	NO.	

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

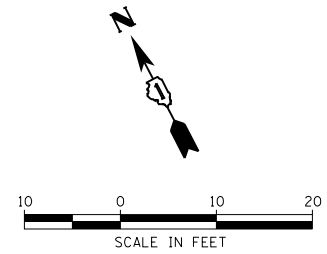


POINT	STATION	OFFSET	ELEVATION
A	527+89.5	47.1' R	794.37'
B	527+84.7	39.1' R	794.38'
C	527+91.2	47.1' R	794.37'
D	527+86.7	39.1' R	794.38'
E	527+91.5	48.1' R	794.37'
F	527+85.9	38.1' R	794.38'
G	528+11.7	48.1' R	794.64'
H	528+11.8	38.1' R	794.64'
I	527+50.0	39.1' R	794.60'
J	527+50.0	47.2' R	794.58'

POINT	STATION	OFFSET	ELEVATION
A	528+31.9	39.1' R	794.66'
B	528+27.0	47.1' R	794.60'
C	528+30.6	38.1' R	794.67'
D	528+25.1	48.1' R	794.59'
E	528+29.8	39.1' R	794.66'
F	528+25.4	47.1' R	794.60'
G	528+50.0	39.1' R	794.62'
H	528+50.0	47.1' R	794.74'

LEGEND

- (A) POINT (XXX.XX') EXISTING ELEVATION
- [Stippled] DETECTABLE WARNINGS (%) EXISTING SLOPE
- [Solid Line] PROPOSED SIDEWALK



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-597-4671
 FILE NAME: 266-597-4671-swramps-07.dgn
 PEN TABLE: p00tbltbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

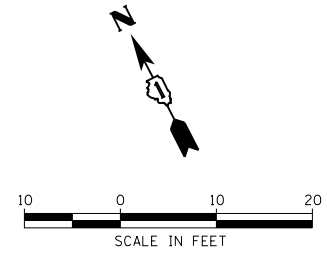
SIDEWALK RAMP DETAILS			
ILLINOIS ROUTE 19			
SCALE: 1"=10'	SHEET 7	OF 11 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	72
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

POINT	STATION	OFFSET	ELEVATION
A	529+93.4	40.9' L	794.75'
B	529+97.6	45.9' L	794.65'
C	529+95.7	41.0' L	794.71'
D	529+99.5	45.9' L	794.61'
E	529+95.1	40.4' L	794.72'
F	529+99.9	46.4' L	794.58'
G	530+22.0	40.4' L	794.67'
H	530+22.0	46.4' L	794.55'
I	529+93.4	45.9' L	794.70'
J	529+50.0	45.9' L	(793.73')
K	529+50.0	40.9' L	(793.80')

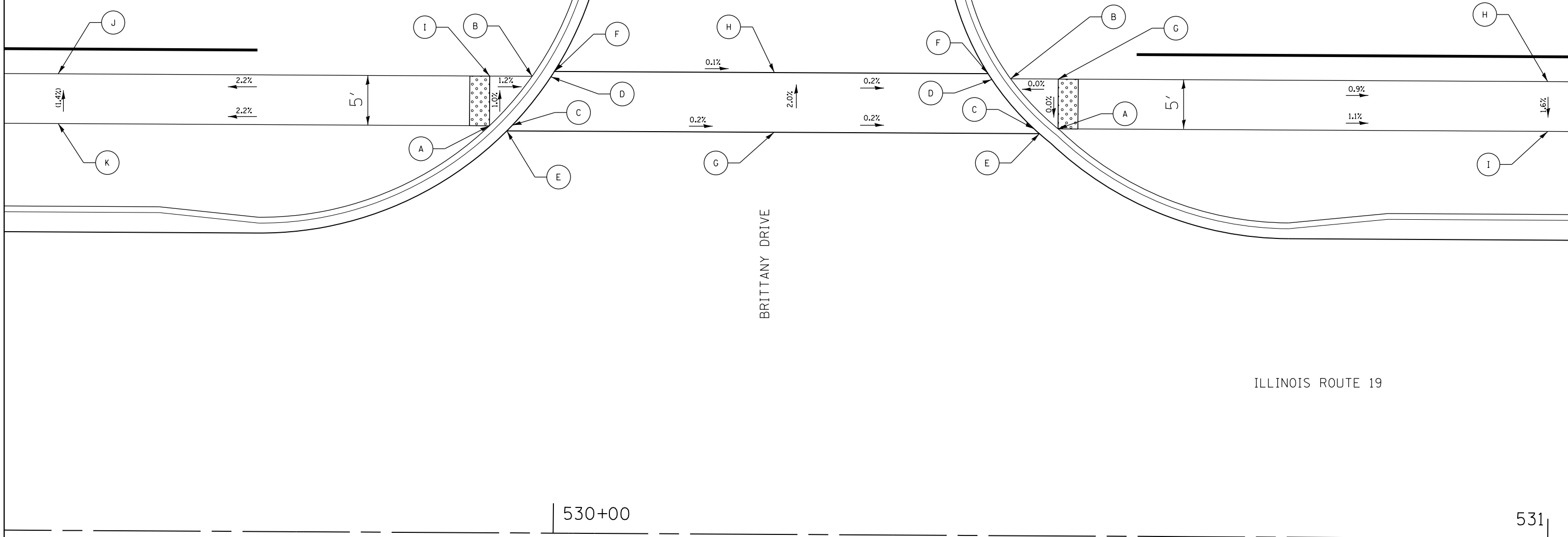
LEGEND			
(A)	POINT	(XXX.XX')	EXISTING ELEVATION
[Pattern]	DETECTABLE WARNINGS	(%)	EXISTING SLOPE
[Solid]	PROPOSED SIDEWALK		

POINT	STATION	OFFSET	ELEVATION
A	530+50.5	40.9' L	794.56'
B	530+45.7	45.9' L	794.29'
C	530+48.1	40.9' L	794.56'
D	530+43.9	45.8' L	794.29'
E	530+48.7	40.4' L	794.61'
F	530+43.5	46.4' L	794.26'
G	530+50.5	45.9' L	794.56'
H	531+00.0	45.9' L	794.12'
I	531+00.0	40.9' L	794.04'



PLAN	DATE
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

PROFILE	DATE
SURVEYED	
GRADES CHECKED	
STRUCTURE	
NOTATIS	
CHKD	
NO.	



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-571-dgt-swramps-08.dgn
 FILE NAME: 11/15/2018
 PEN TABLE:



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
 ILLINOIS ROUTE 19

SCALE: 1"=10' SHEET 8 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	73
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

531

532

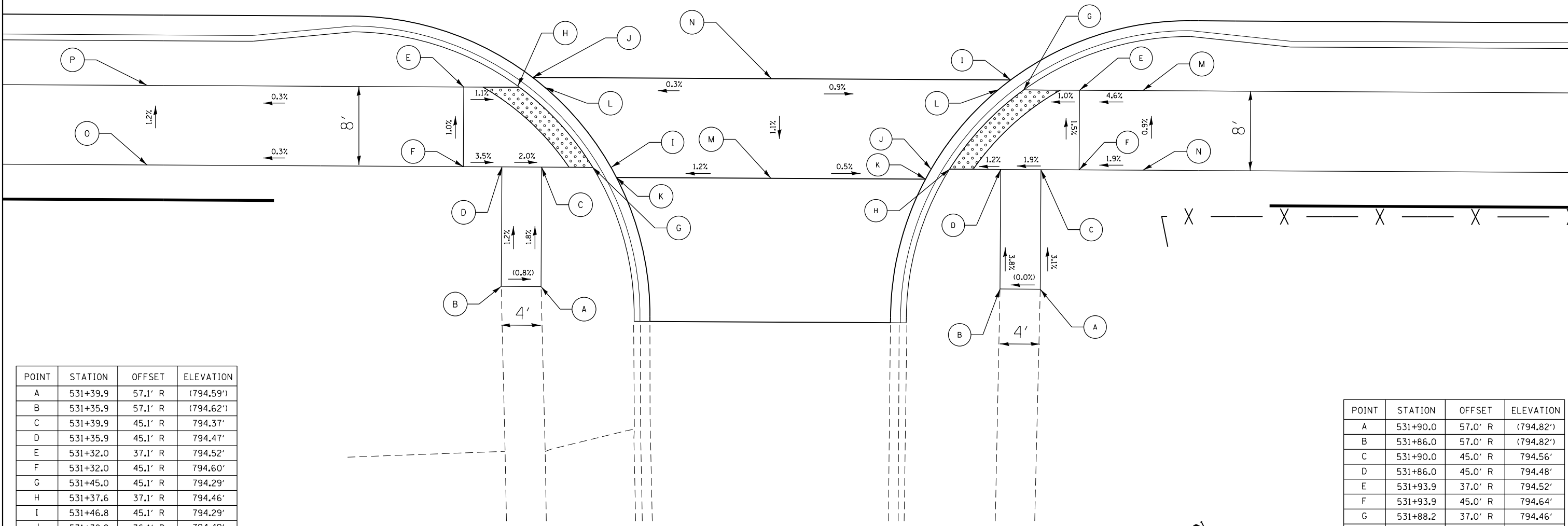
FULTON DRIVE

ILLINOIS ROUTE 19

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-577-6871-swr@dms-03.dgn
 FILE NAME: 10-00055-00-01.rvt
 PEN TABLE: p00tbl.tbl

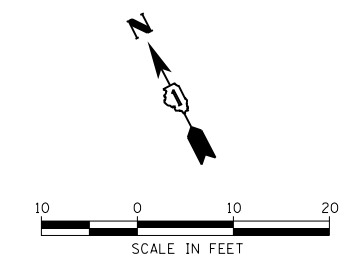


POINT	STATION	OFFSET	ELEVATION
A	531+39.9	57.1' R	(794.59')
B	531+35.9	57.1' R	(794.62')
C	531+39.9	45.1' R	794.37'
D	531+35.9	45.1' R	794.47'
E	531+32.0	37.1' R	794.52'
F	531+32.0	45.1' R	794.60'
G	531+45.0	45.1' R	794.29'
H	531+37.6	37.1' R	794.46'
I	531+46.8	45.1' R	794.29'
J	531+38.9	36.1' R	794.49'
K	531+47.4	46.1' R	794.27'
L	531+40.2	37.1' R	794.46'
M	531+62.9	46.1' R	794.44'
N	531+62.9	36.1' R	794.55'
O	531+00.0	37.1' R	794.52'
P	531+00.0	45.1' R	794.42'

POINT	STATION	OFFSET	ELEVATION
A	531+90.0	57.0' R	(794.82')
B	531+86.0	57.0' R	(794.82')
C	531+90.0	45.0' R	794.56'
D	531+86.0	45.0' R	794.48'
E	531+93.9	37.0' R	794.52'
F	531+93.9	45.0' R	794.64'
G	531+88.2	37.0' R	794.46'
H	531+80.8	45.0' R	794.42'
I	531+86.9	36.0' R	794.42'
J	531+79.0	45.0' R	794.38'
K	531+78.4	46.0' R	794.37'
L	531+85.7	37.0' R	794.41'
M	532+00.0	37.0' R	794.69'
N	532+00.0	45.0' R	794.76'

LEGEND

- (A) POINT (XXX.XX') EXISTING ELEVATION
- [Hatched Box] DETECTABLE WARNINGS (%) EXISTING SLOPE
- [Solid Box] PROPOSED SIDEWALK



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
ILLINOIS ROUTE 19**

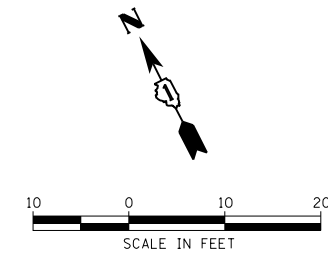
SCALE: 1"=10' SHEET 9 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	74
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

POINT	STATION	OFFSET	ELEVATION
A	537+92.0	40.8' L	797.40'
B	537+92.0	45.8' L	797.33'
C	537+94.0	40.8' L	797.38'
D	537+94.0	45.8' L	797.30'
E	537+97.7	45.8' L	797.23'
F	537+96.2	40.9' L	797.33'
G	537+99.5	45.8' L	797.19'
H	537+95.8	40.4' L	797.34'
I	537+99.8	46.4' L	797.18'
J	538+21.3	47.8' L	797.45'
K	538+21.3	41.8' L	797.57'
L	537+50.0	45.9' L	796.49'
M	537+50.0	41.0' L	796.57'

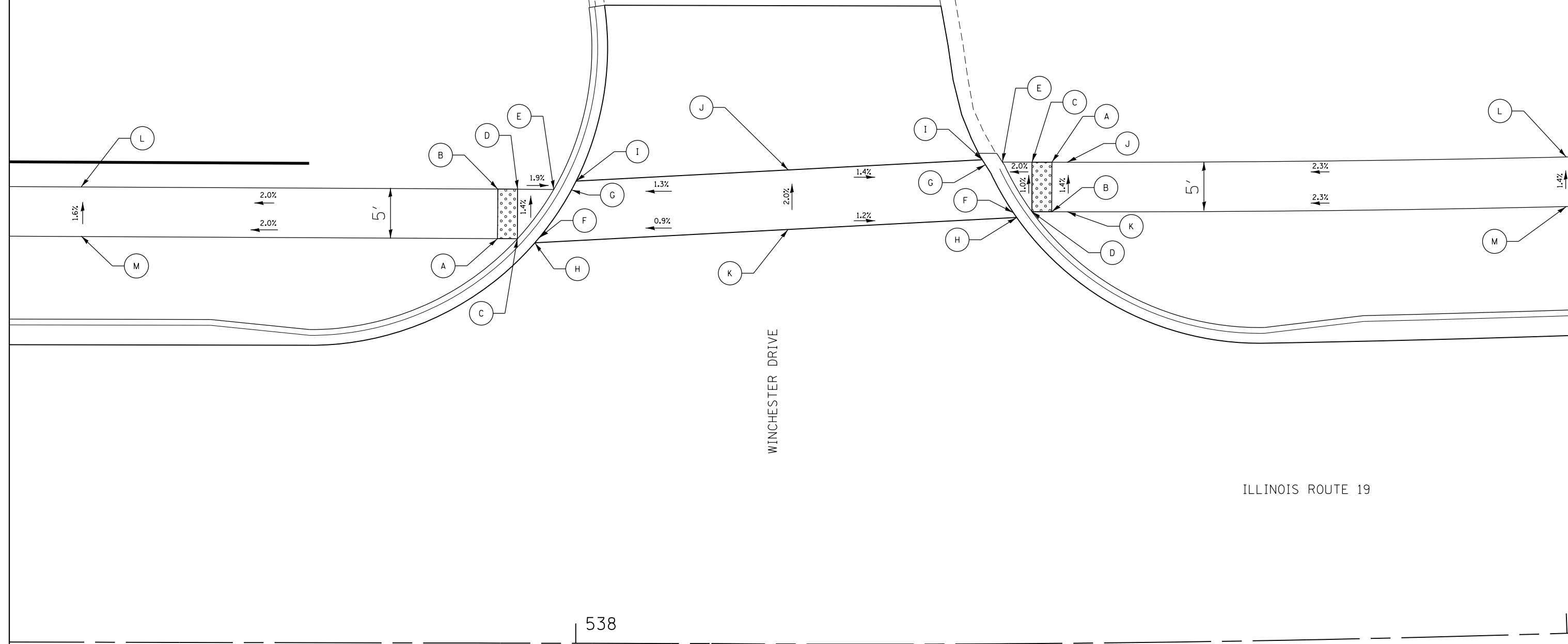
LEGEND			
(A)	POINT	(XXX.XX')	EXISTING ELEVATION
[Pattern]	DETECTABLE WARNINGS	(%)	EXISTING SLOPE
[Solid]	PROPOSED SIDEWALK		

POINT	STATION	OFFSET	ELEVATION
A	538+48.4	48.5' L	797.31'
B	538+48.4	43.5' L	797.38'
C	538+46.4	48.6' L	797.29'
D	538+46.3	43.6' L	797.34'
E	538+43.3	48.6' L	796.23'
F	538+44.4	43.5' L	797.23'
G	538+41.6	48.3' L	797.19'
H	538+44.8	43.0' L	797.30'
I	538+41.2	49.0' L	797.18'
J	538+50.0	48.5' L	797.32'
K	538+50.0	43.5' L	797.39'
L	539+00.0	48.0' L	798.50'
M	539+00.0	43.0' L	798.57'



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	FILE NAME	
	NO.	

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



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-srt-dgt-swramps-00.dgn
 FILE NUMBER: 11/15/2018
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
 ILLINOIS ROUTE 19
 SCALE: 1"=10' SHEET 10 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	75
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

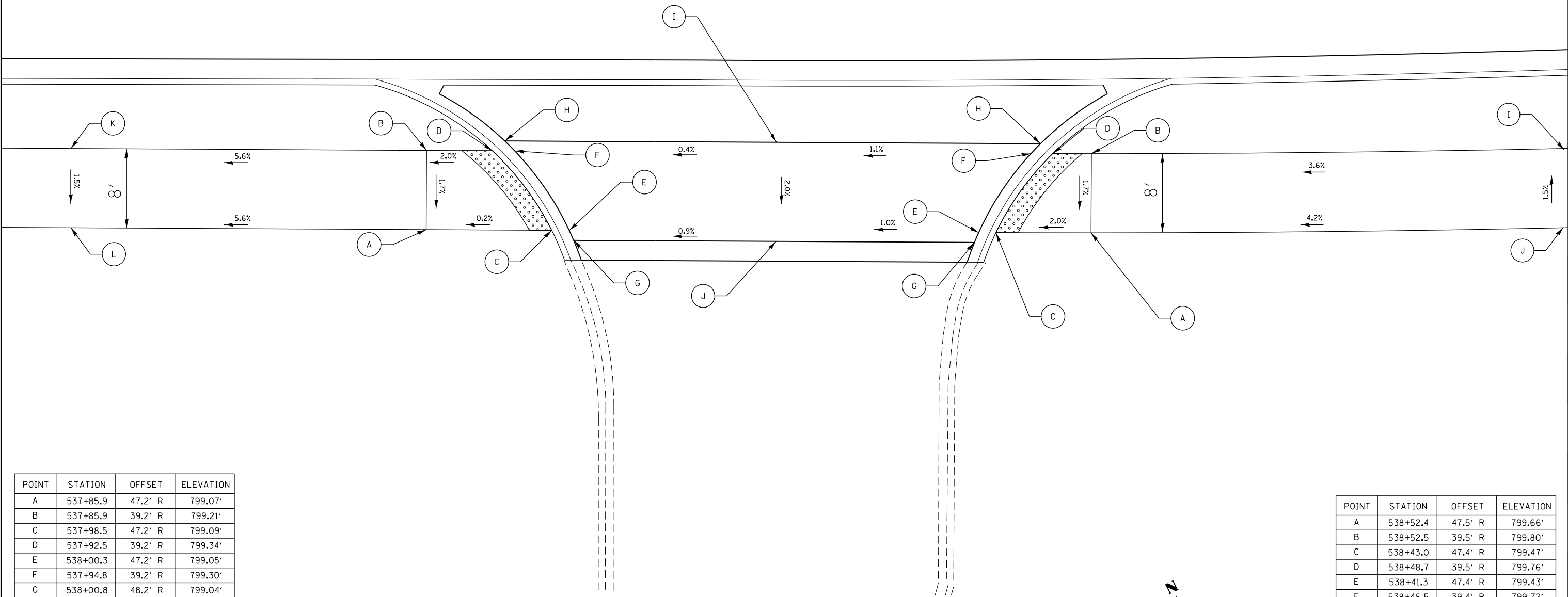
538

ILLINOIS ROUTE 19

BANK ENTRANCE

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

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



POINT	STATION	OFFSET	ELEVATION
A	537+85.9	47.2' R	799.07'
B	537+85.9	39.2' R	799.21'
C	537+98.5	47.2' R	799.09'
D	537+92.5	39.2' R	799.34'
E	538+00.3	47.2' R	799.05'
F	537+94.8	39.2' R	799.30'
G	538+00.8	48.2' R	799.04'
H	537+93.8	38.2' R	799.30'
I	538+21.3	38.3' R	799.42'
J	538+21.3	48.3' R	799.22'
K	537+50.0	39.1' R	797.19'
L	537+50.0	47.1' R	797.07'

LEGEND		
(A)	POINT	(XXX.XX') EXISTING ELEVATION
[Pattern]	DETECTABLE WARNINGS	(%) EXISTING SLOPE
[Solid]	PROPOSED SIDEWALK	

POINT	STATION	OFFSET	ELEVATION
A	538+52.4	47.5' R	799.66'
B	538+52.5	39.5' R	799.80'
C	538+43.0	47.4' R	799.47'
D	538+48.7	39.5' R	799.76'
E	538+41.3	47.4' R	799.43'
F	538+46.5	39.4' R	799.72'
G	538+40.8	48.4' R	799.42'
H	538+47.4	38.4' R	799.72'
I	539+00.0	40.1' R	801.54'
J	539+00.0	48.0' R	801.66'

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-597-4671
 FILE NUMBER: 10-00055-00-WR
 PEN TABLE: 61F41



USER NAME = jhorwit	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - DMS	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JCH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'		SHEET 11 OF 11 SHEETS		STA.	TO STA.
---------------	--	-----------------------	--	------	---------

SIDEWALK RAMP DETAILS
 ILLINOIS ROUTE 19

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	76
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- Minimum wall vertical dimensions shown on noise abatement wall plan and profile sheets are distances between minimum acoustical profile line and proposed ground line on roadway side.
- All walls shall extend beyond this a minimum of 6 inches below proposed ground line on lower side of wall.
- The contractor's attention is drawn to the fact that there are existing utilities adjacent to the wall. Some will be relocated (see plan).
- See alignment & tie drawings for benchmark information.
- See noise abatement wall plan and profile sheets for location of soil borings.
- See drainage and utility sheets for approximate location of existing utilities. Verify locations through JULIE 800-892-0123. The contractor shall verify exact locations of these utilities and make necessary notifications with the utility prior to commencing foundation work near their facilities.
- Maintain uniformity between wall panel length to greatest extent possible.
- Provide temporary casing if necessary to hold augured hole open until placing of concrete foundation and to prevent any disturbance to land on adjacent properties cost included in "Concrete Noise Abatement Wall, Ground Mounted".
- See noise abatement wall plan and profile sheets for location of walls.
- See specifications for applicable design standards.
- The locations shown for the existing utilities are approximate. The contractor shall verify the exact locations of these utilities in the field prior to laying out foundation for the walls. No additional payment will be made due to discrepancy in the actual locations and those shown on the drawings.
- See Plan and Profile sheets of roadway plans for roadway profiles and alignment.
- Contractor shall follow requirements of the project specifications for material, design, fabrication, construction and erection requirements of the proposed noise walls.

CONSTRUCTION SPECIFICATIONS

IDOT Standard Specifications for Road and Bridge Construction (2016)

DESIGN LOADING

Minimum wind load on noise abatement wall = 25 PSF
 Seismic Load: In accordance with AASHTO LRFD Bridge Design Specifications, Seventh Edition 2014, Chapter 15

SEISMIC DATA

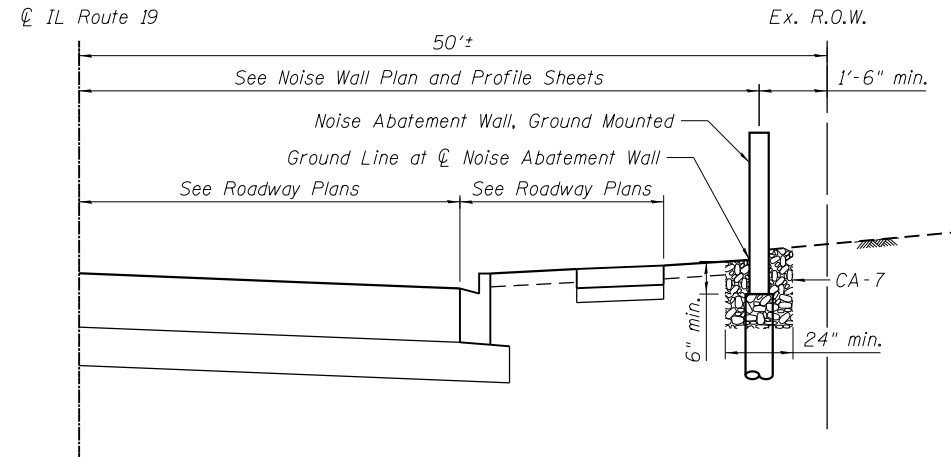
Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 Sec. (SD1) = 0.085
 Design Spectral Acceleration at 0.2 Sec. (SDS) = 0.151
 Soil Site Class D

The contractor shall maintain 12" minimum clearance between existing underground utilities and new foundations unless noted otherwise. In areas where foundations and underground facilities are proposed adjacent to existing utilities, the contractor shall pot hole by vacuum excavation or hand excavation to locate the existing utility to verify minimum clearance requirements

The foundation design and layout shall endeavor to maximize the clear distance between wall foundations and water mains and sanitary sewers that cross under the wall minimum allowable clear distance of 5'.

The wall shall be designed by the contractor in conformance with AASHTO LRFD Bridge Design Specifications, Seventh Edition 2014, Chapter 15 and the project Special Provisions.

Stations and offsets shown on noise abatement wall plan and profile sheets are to centerline of wall.



PROPOSED TYPICAL SECTION

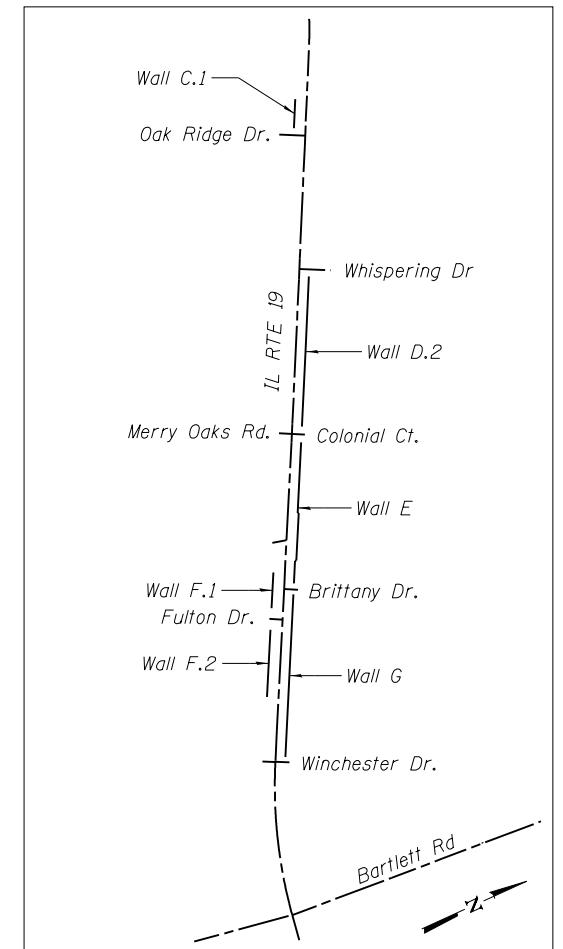
NOISE ABATEMENT MATERIAL TABLE

Noise Wall No.	From Sta.	To Sta.	Noise Wall Side	NRC*	Comments
C.1	507+27.68	508+90.09	Absorptive	0.70	*
D.2	516+00.00	522+63.00	Absorptive	0.70	*
E	523+67.00	529+70.00	Absorptive	0.70	*
F.1	529+67.00	531+13.00	Absorptive	0.70	*
F.2	532+13.00	535+16.00	Absorptive	0.70	*
G	530+58.40	537+73.00	Absorptive	0.70	*

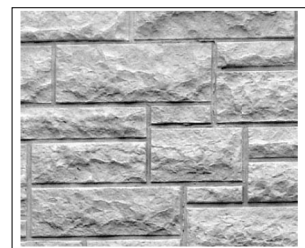
* Only Roadway side is required to be Absorptive

INDEX OF SHEETS

- NW-1 Noise Abatement Wall Details and General Notes
- NW-2 Noise Abatement Wall, Ground Mounted
- NW-3 Noise Abatement Wall, Ground Mounted
- NW-4 Noise Abatement Wall, Ground Mounted
- NW-5 Noise Abatement Wall, Ground Mounted
- NW-6 Soil Boring Logs
- NW-7 Soil Boring Logs
- NW-8 Soil Boring Logs

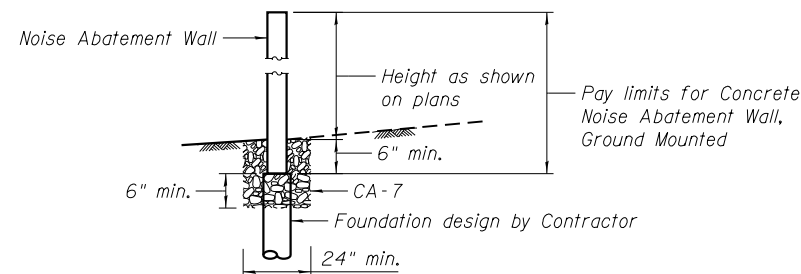


LOCATION SKETCH

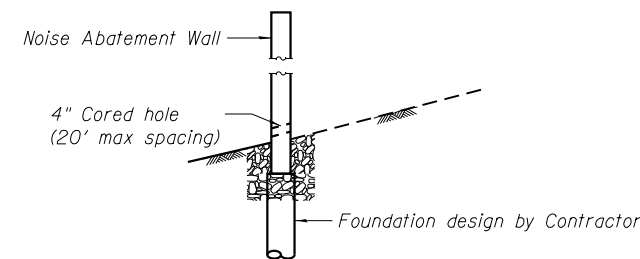


FORMLINER FINISH

Formliner Finish shall be Tollway Ashlar Pattern #2108 (Custom Rock Formliner).



NOISE ABATEMENT WALL, GROUND MOUNTED



CORED DRAIN HOLE DETAIL

Final locations to be determined during construction

Wall	Number of Anticipated Holes
C.1	2
D.2	3
E	3
F.1	None
F.2	3
G	None

BILL OF MATERIAL

Item	Unit	Total
Noise Abatement Wall, Ground Mounted (Wall C.1)	Sq Ft	2,030
Noise Abatement Wall, Ground Mounted (Wall D.2)	Sq Ft	8,288
Noise Abatement Wall, Ground Mounted (Wall E)	Sq Ft	8,874
Noise Abatement Wall, Ground Mounted (Wall F.1)	Sq Ft	1,533
Noise Abatement Wall, Ground Mounted (Wall F.2)	Sq Ft	2,576
Noise Abatement Wall, Ground Mounted (Wall G)	Sq Ft	8,933
Noise Abatement Wall, Ground Mounted		32,234

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 1/4/2019 4:56:48 PM
 FILE NAME: 266-STR-NoiseWall-Gen-01.dgn
 PLOT DRIVER: ilpadf.pwdrtrfcg
 PEN TABLE: plotabel.tbl



USER NAME = jhorwit	DESIGNED - SLS	REVISED -
	CHECKED - WJH	REVISED -
PLOT SCALE =	DRAWN - SLS	REVISED -
PLOT DATE = 1/4/2019	CHECKED - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NOISE ABATEMENT WALL DETAILS AND GENERAL NOTES
 ILLINOIS ROUTE 19**

SHEET NO. 1 OF 8 SHEETS

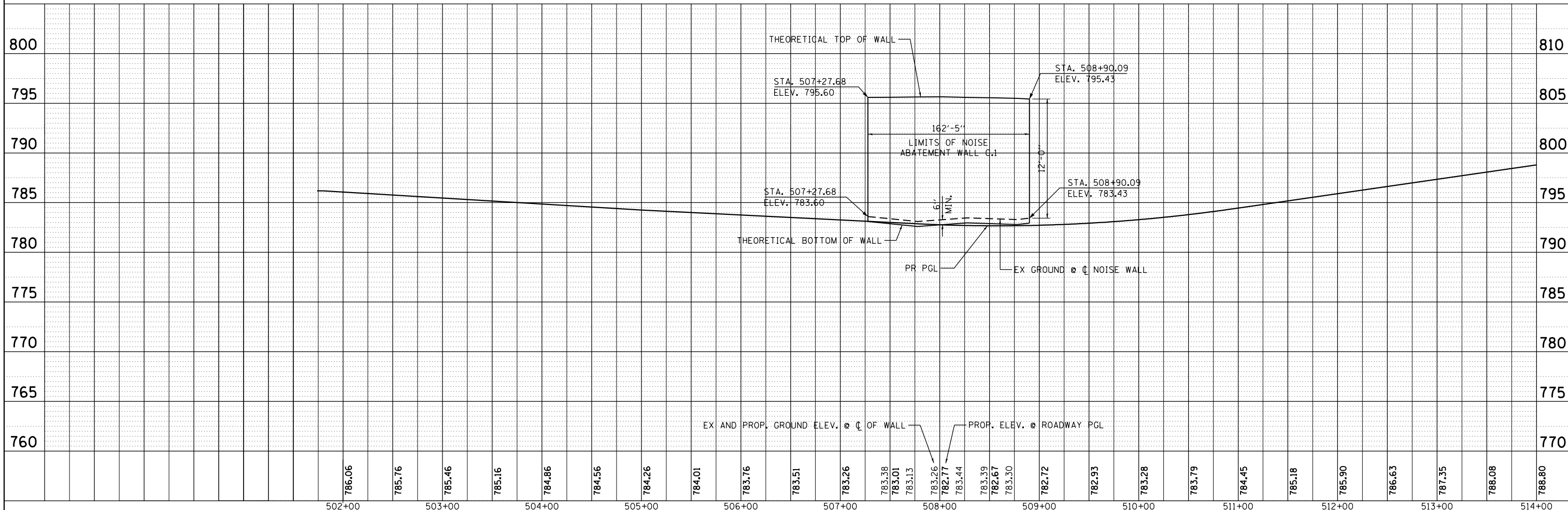
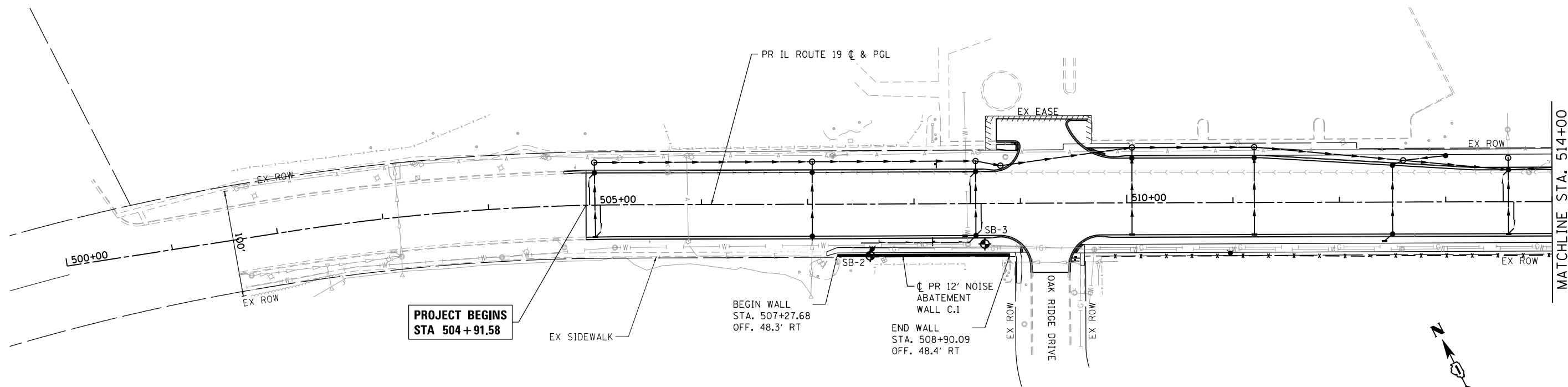
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	77
CONTRACT NO. 61F41				

ILLINOIS FED. AID PROJECT

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-5779-ppp-01.dgn
 FILE NUMBER: 61F18111
 PEN TABLE: pccrtable.tbl



786.06	785.76	785.46	785.16	784.86	784.56	784.26	784.01	783.76	783.51	783.26	783.38	783.01	783.13	783.26	782.77	783.44	783.39	782.67	783.30	782.72	782.93	783.28	783.79	784.45	785.18	785.90	786.63	787.35	788.08	788.80	
502+00	503+00	504+00	505+00	506+00	507+00	508+00	509+00	510+00	511+00	512+00	513+00	514+00																			

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

USER NAME = jhorwit	DESIGNED - SLS	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - SLS	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

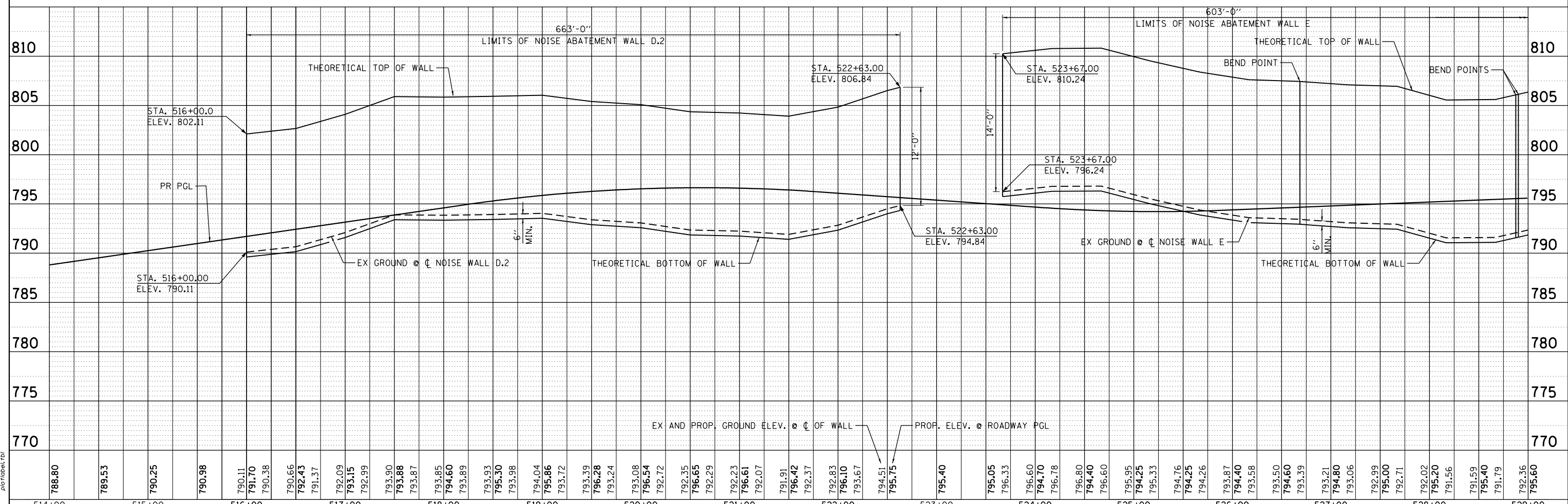
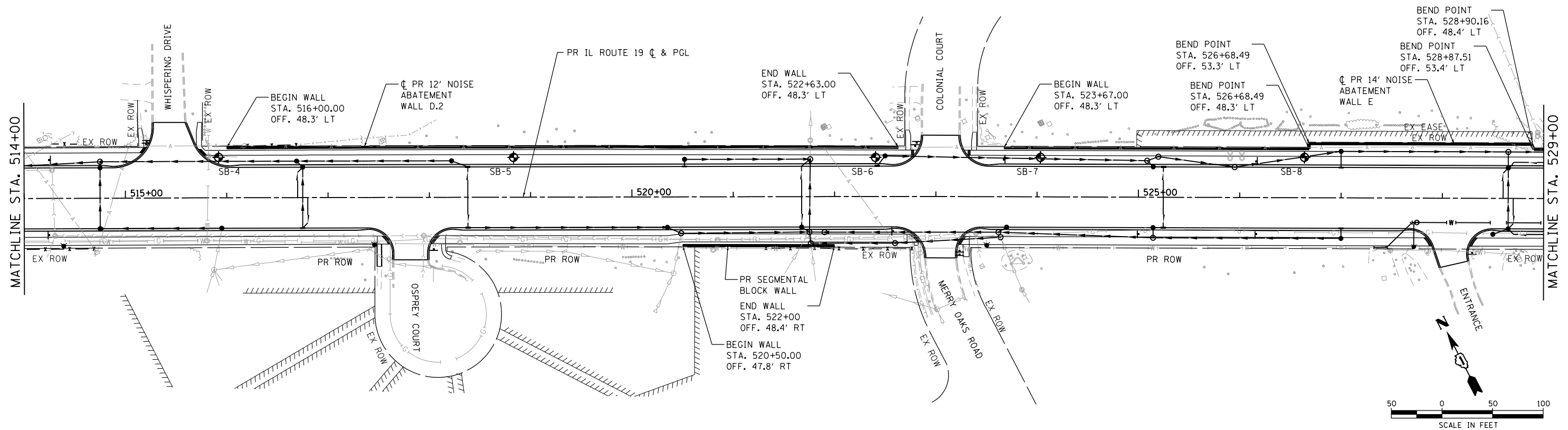
NOISE ABATEMENT WALL			
ILLINOIS ROUTE 19			
SCALE: 1"=50'	SHEET 2	OF 8 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	78
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-579-ppp-02.dgn
 FILE NAME: 10-00055-00-WR.dwg
 PEN TABLE: pen.tbl



788.80	789.53	790.25	790.98	790.11	791.70	790.38	790.66	792.43	791.37	792.09	793.15	792.99	793.90	793.88	793.87	793.85	794.60	793.89	793.93	795.30	793.98	794.04	795.86	793.72	793.39	796.28	793.24	793.08	796.54	792.72	792.35	796.65	792.29	792.23	796.61	792.07	791.91	796.42	792.37	792.83	796.10	793.67	794.51	795.75	795.40	795.05	796.33	796.60	794.70	796.78	796.80	794.40	796.60	795.95	794.25	795.33	794.76	794.23	794.26	793.87	794.40	793.58	793.50	794.60	793.39	792.99	795.00	792.71	792.02	795.20	791.56	791.59	795.40	791.79	792.36	795.60
514+00	515+00	516+00	517+00	518+00	519+00	520+00	521+00	522+00	523+00	524+00	525+00	526+00	527+00	528+00	529+00																																																													



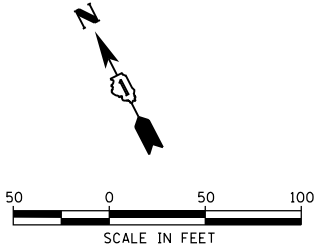
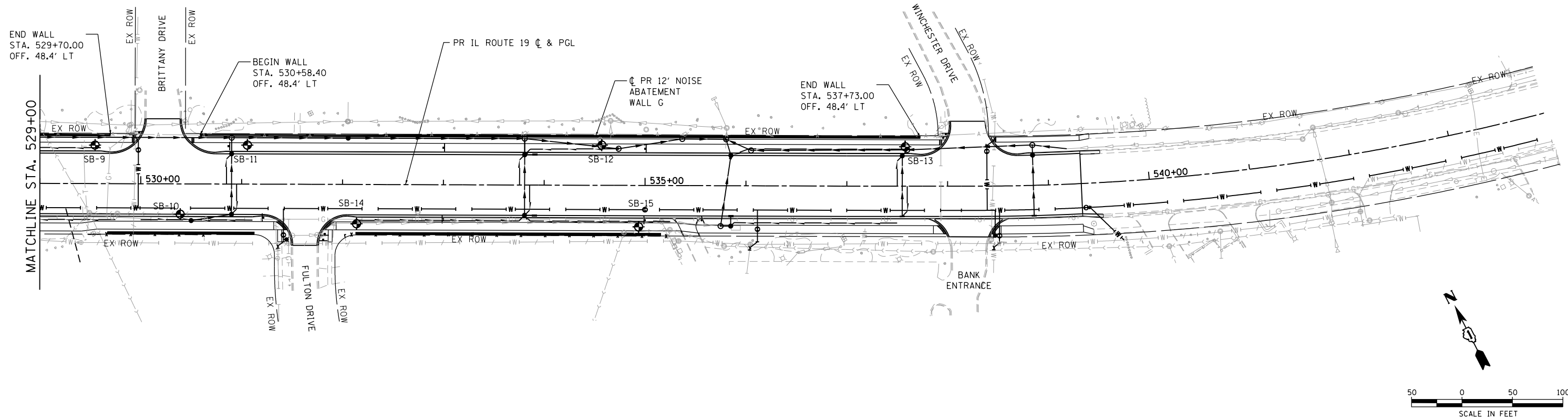
USER NAME = jhorwt	DESIGNED - SLS	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - SLS	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

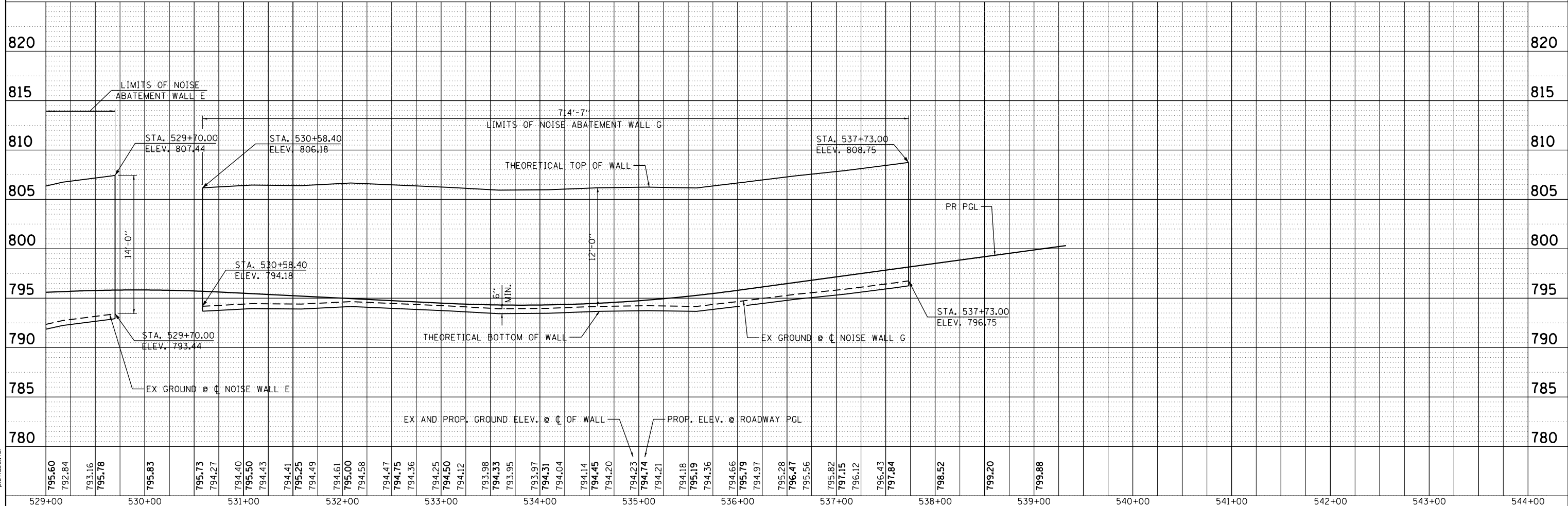
NOISE ABATEMENT WALL	
ILLINOIS ROUTE 19	
SCALE: 1"=50'	SHEET 3 OF 8 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	79
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	NAME _____	



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



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-578-ppp-03.dgn
 FILE NAME: 10-00055-00-WR.ctb
 PEN TABLE: pen.tbl



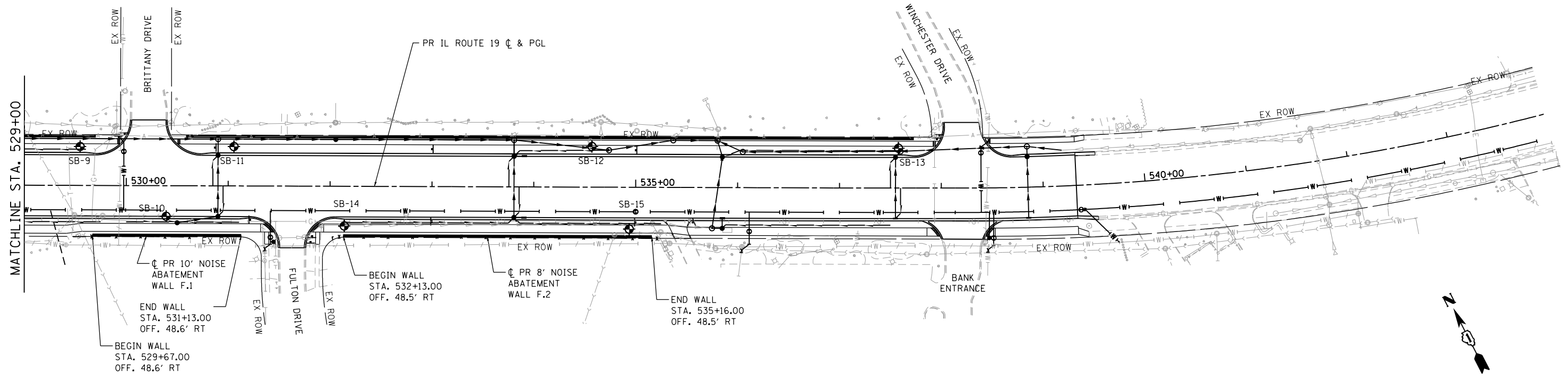
USER NAME = jhorwt	DESIGNED - SLS	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - SLS	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

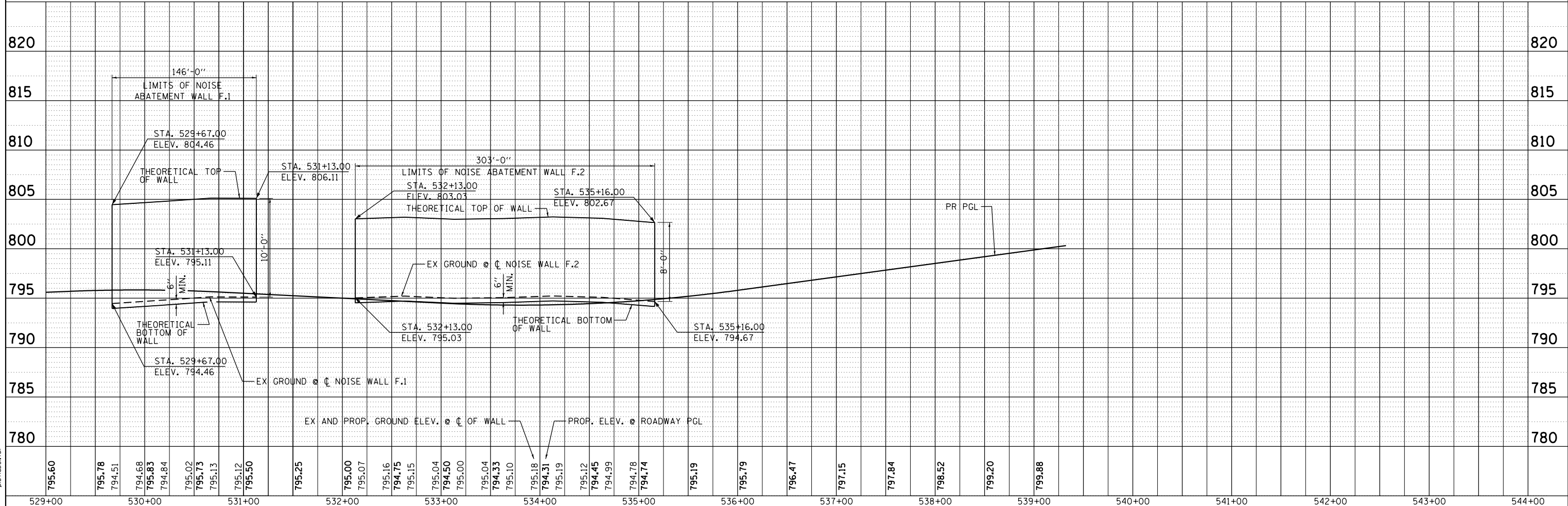
NOISE ABATEMENT WALL - NORTH SIDE			
ILLINOIS ROUTE 19			
SCALE: 1"=50'	SHEET 4	OF 8 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	80
CONTRACT NO. 61F41				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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



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



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-578-ppp-04.dgn
 FILE NAME: 10-00055-00-WR.ctb
 PEN TABLE: pen.tbl

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

USER NAME = jhorwt	DESIGNED - SLS	REVISED - XX/XX/XXXX
	DRAWN - WJH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - SLS	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

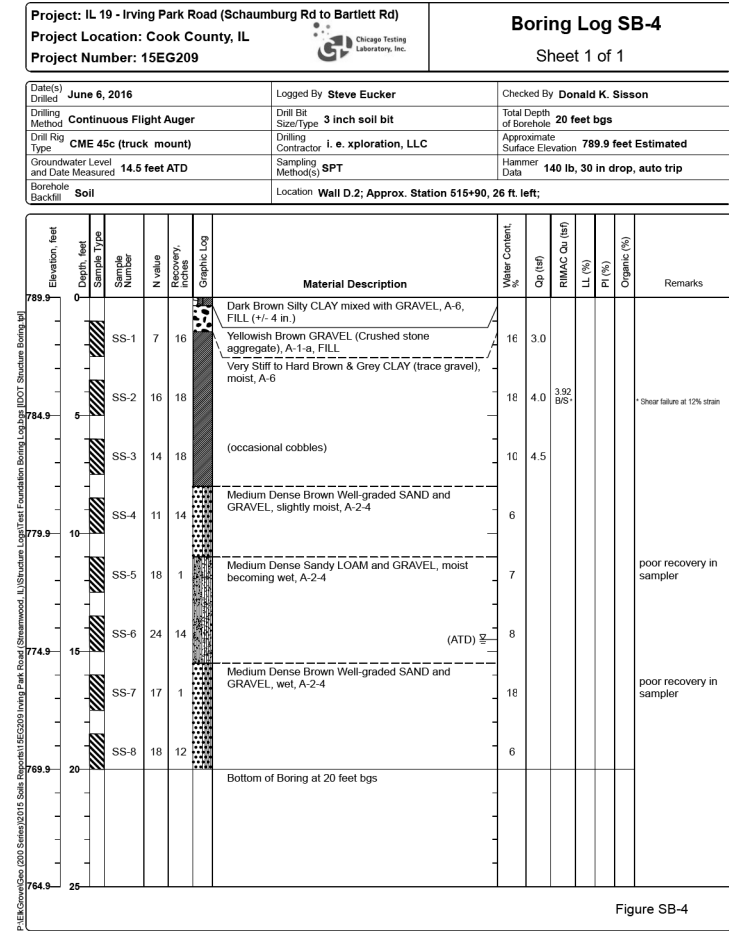
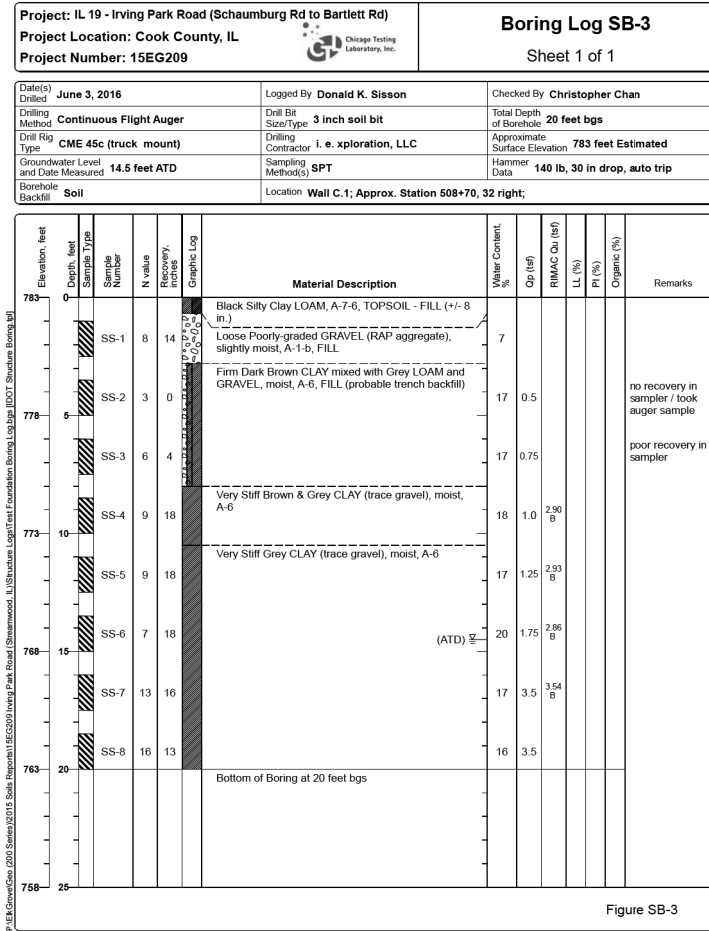
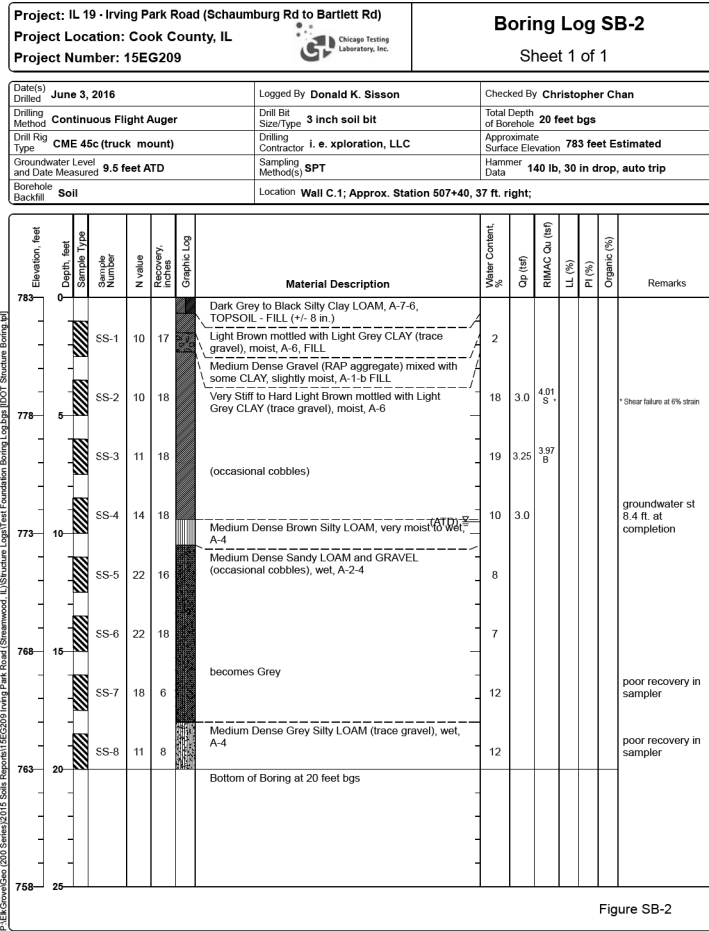
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NOISE ABATEMENT WALL - SOUTH SIDE
 ILLINOIS ROUTE 19**

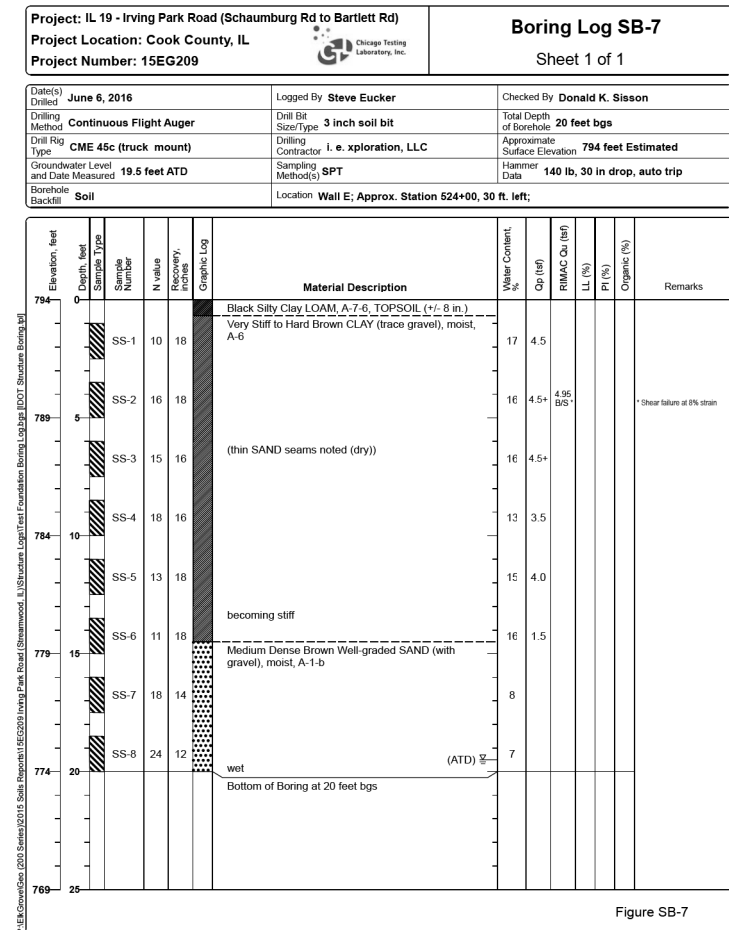
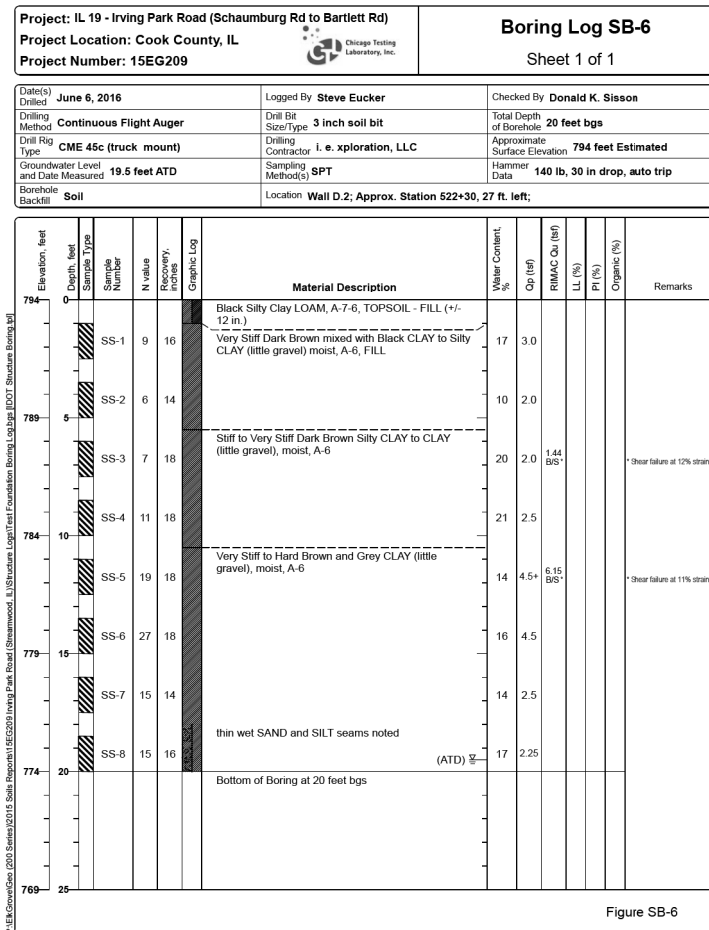
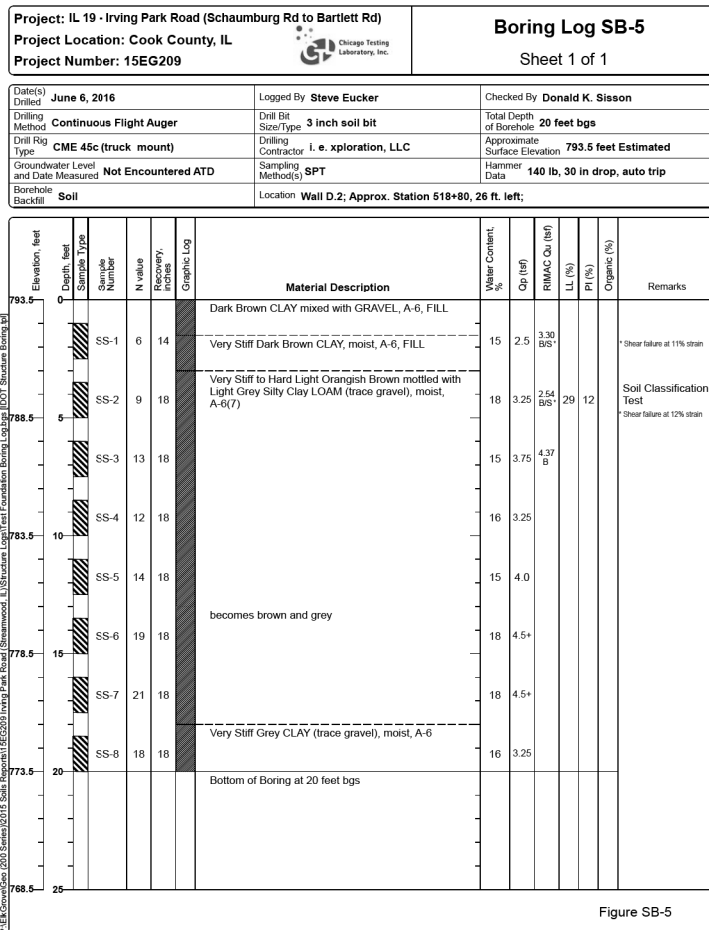
SCALE: 1"=50' SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	81
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	BY



DATE	BY



HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-575-SB Log-Out.dgn
 FILE NAME: 266-575-SB Log-Out.dgn
 PEN TABLE: pen.tbl



USER NAME = jhorwit	DESIGNED - SLS	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 1/4/2019	CHECKED - SLS	REVISED -
	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S. SHEET 6 OF 8 SHEETS STA. TO STA.

SOIL BORING LOGS
 ILLINOIS ROUTE 19

F.A.U. R.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	82
CONTRACT NO. 61F41				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY

DATE	BY

HRG PROJECT NO.: 8660266
HRG PROJ. CONTACT: 266-5776-SB Log-02.dgn
FILE NAME: 15EG209 SB Log 02.dwg
PEN TABLE:

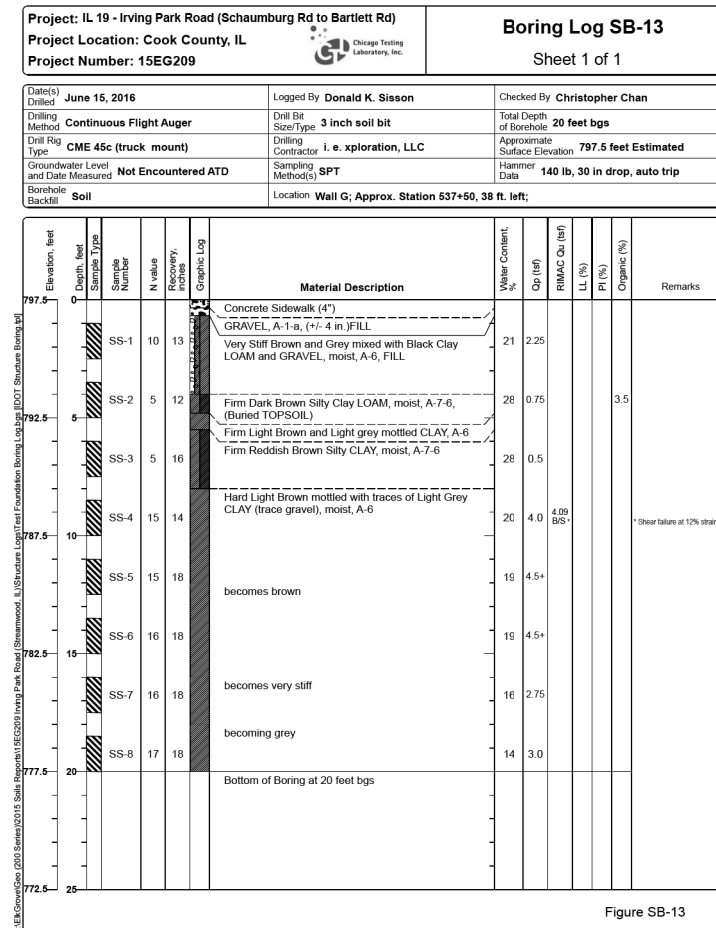
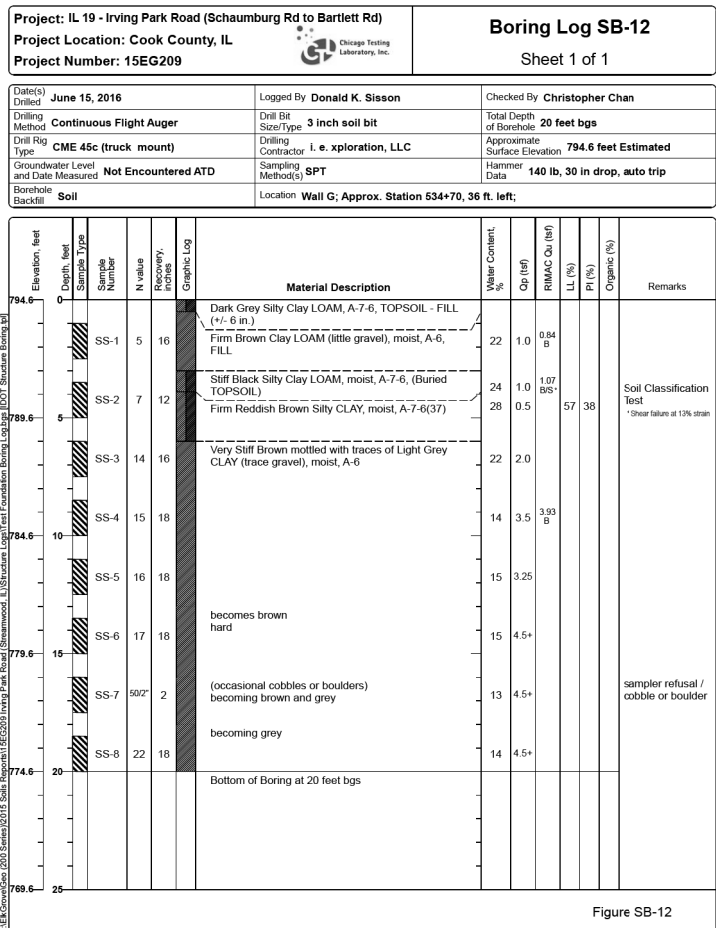
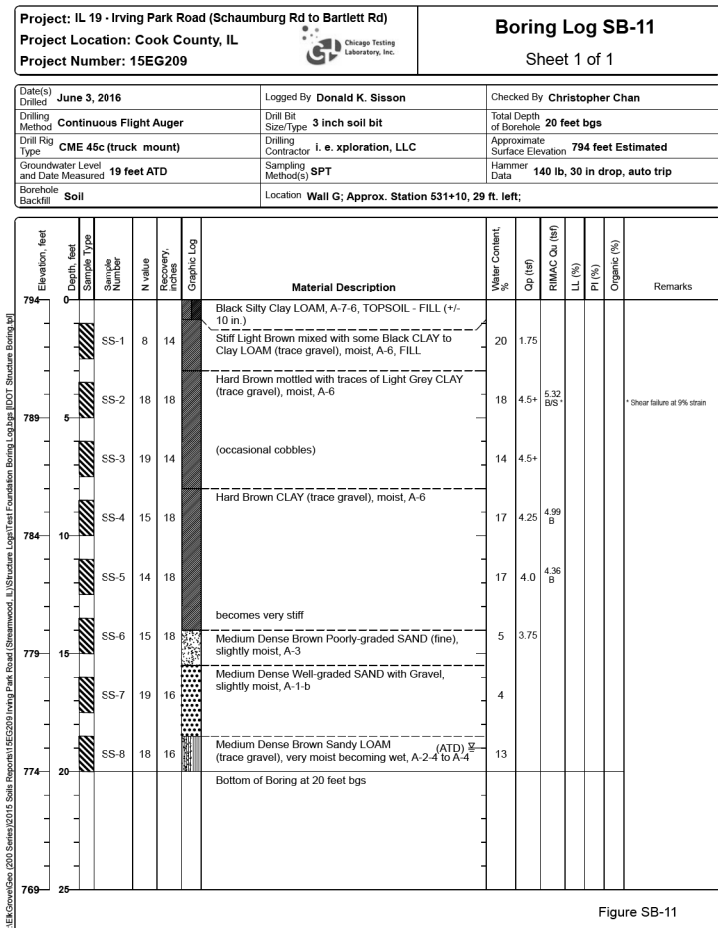
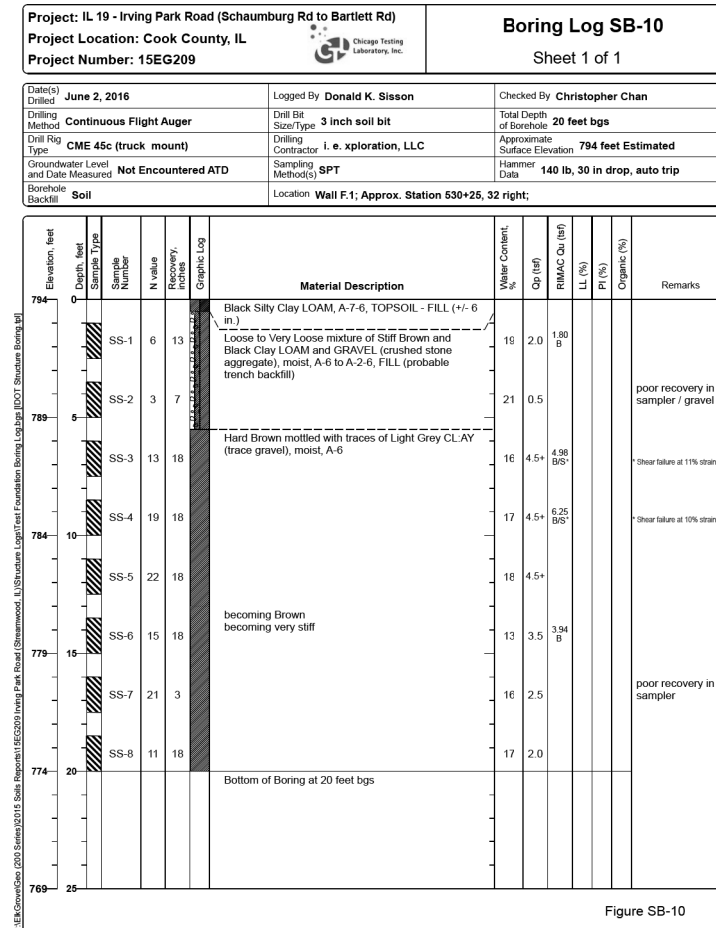
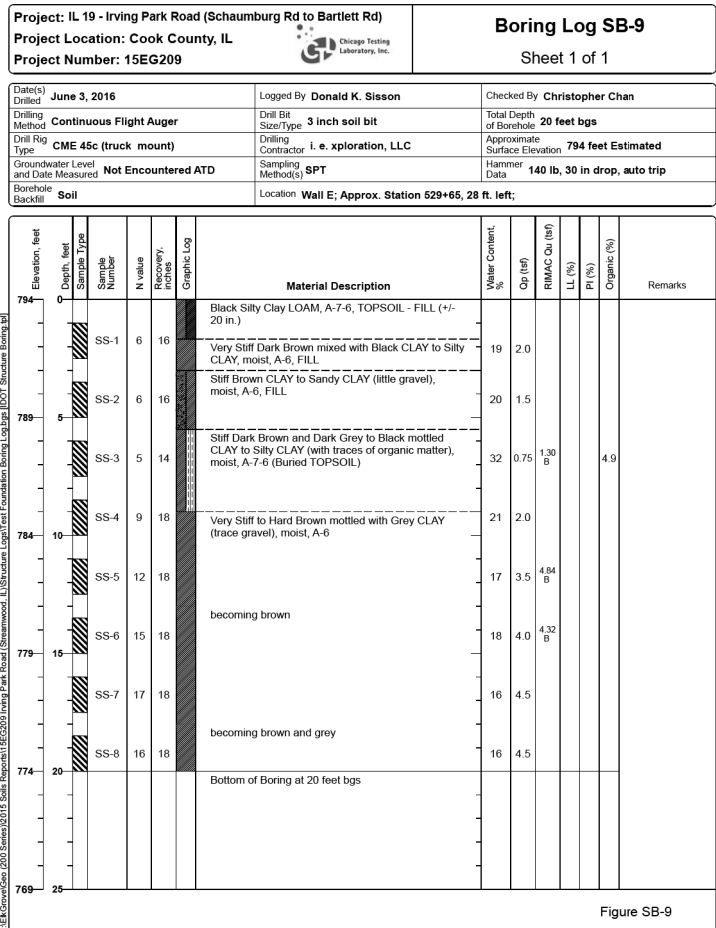
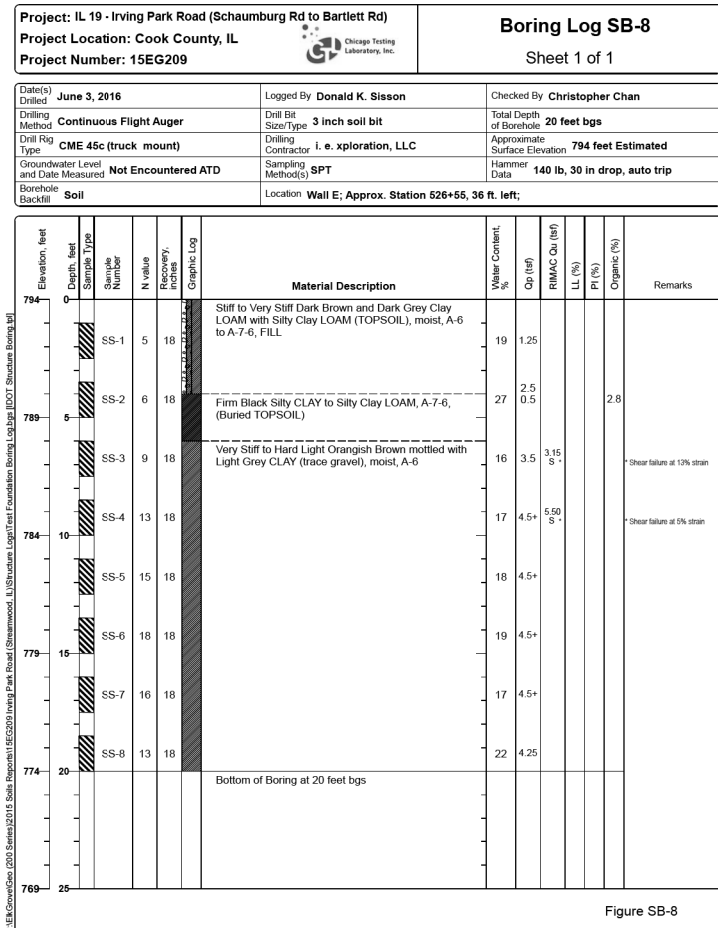


USER NAME = jhorwit
PLOT SCALE =
PLOT DATE = 1/4/2019

DESIGNED - SLS	REVISED -
DRAWN - WJH	REVISED -
CHECKED - SLS	REVISED -
DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.	SHEET 7 OF 8 SHEETS	STA. TO STA.
---------------	---------------------	--------------



SOIL BORING LOGS
ILLINOIS ROUTE 19

F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	83

CONTRACT NO. 61F41

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

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

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

HRG PROJECT NO.: 8660266
 HRG PROJ. CONTACT: 266-5778-SB Log-03.dgn
 FILE NAME: 266-5778-SB Log-03.dgn
 PEN TABLE: pen.tbl

Project: IL 19 - Irving Park Road (Schaumburg Rd to Bartlett Rd)
Project Location: Cook County, IL
Project Number: 15EG209

Boring Log SB-14
 Sheet 1 of 1

Date(s) Drilled: June 2, 2016	Logged By: Donald K. Sisson	Checked By: Christopher Chan
Drilling Method: Continuous Flight Auger	Drill Bit Size/Type: 3 inch soil bit	Total Depth of Borehole: 20 feet bgs
Drill Rig Type: CME 45c (truck mount)	Drilling Contractor: i. e. xploration, LLC	Approximate Surface Elevation: 794.2 feet Estimated
Groundwater Level and Date Measured: 18.5 feet ATD	Sampling Method(s): SPT	Hammer Data: 140 lb, 30 in drop, auto trip
Borehole Backfill: Soil	Location: Wall F.2; Approx. Station 532+15, 28 ft. right;	

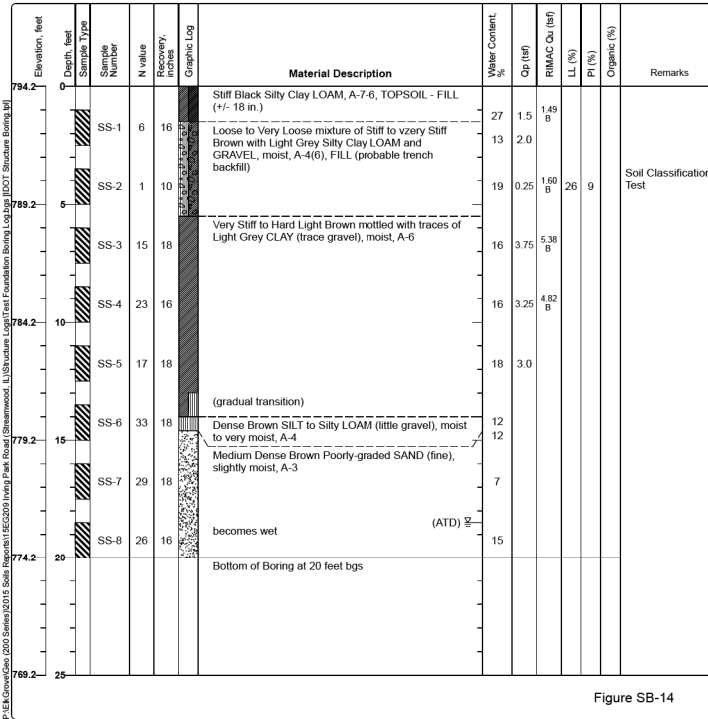


Figure SB-14

Project: IL 19 - Irving Park Road (Schaumburg Rd to Bartlett Rd)
Project Location: Cook County, IL
Project Number: 15EG209

Boring Log SB-15
 Sheet 1 of 1

Date(s) Drilled: June 2, 2016	Logged By: Donald K. Sisson	Checked By: Christopher Chan
Drilling Method: Continuous Flight Auger	Drill Bit Size/Type: 3 inch soil bit	Total Depth of Borehole: 20 feet bgs
Drill Rig Type: CME 45c (truck mount)	Drilling Contractor: i. e. xploration, LLC	Approximate Surface Elevation: 794.9 feet Estimated
Groundwater Level and Date Measured: Not Encountered ATD	Sampling Method(s): SPT	Hammer Data: 140 lb, 30 in drop, auto trip
Borehole Backfill: Soil	Location: Wall F.2; Approx. Station 534+90, 27 ft. right;	

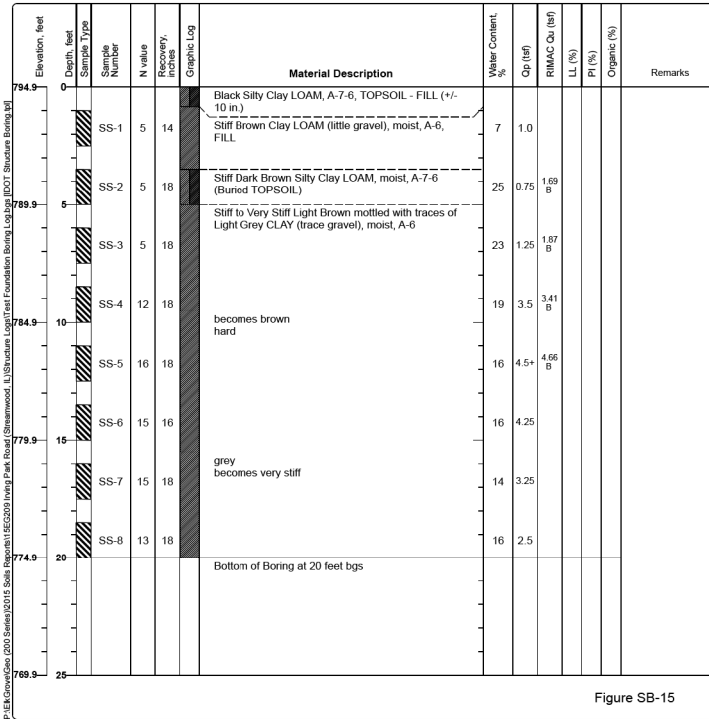


Figure SB-15



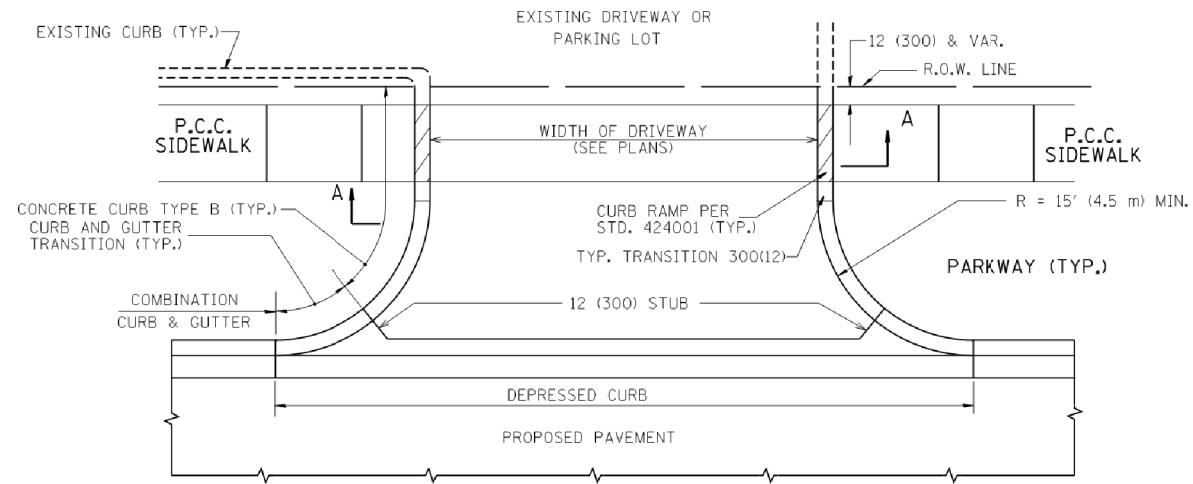
USER NAME = jhorwit	DESIGNED - SLS	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - SLS	REVISED -
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

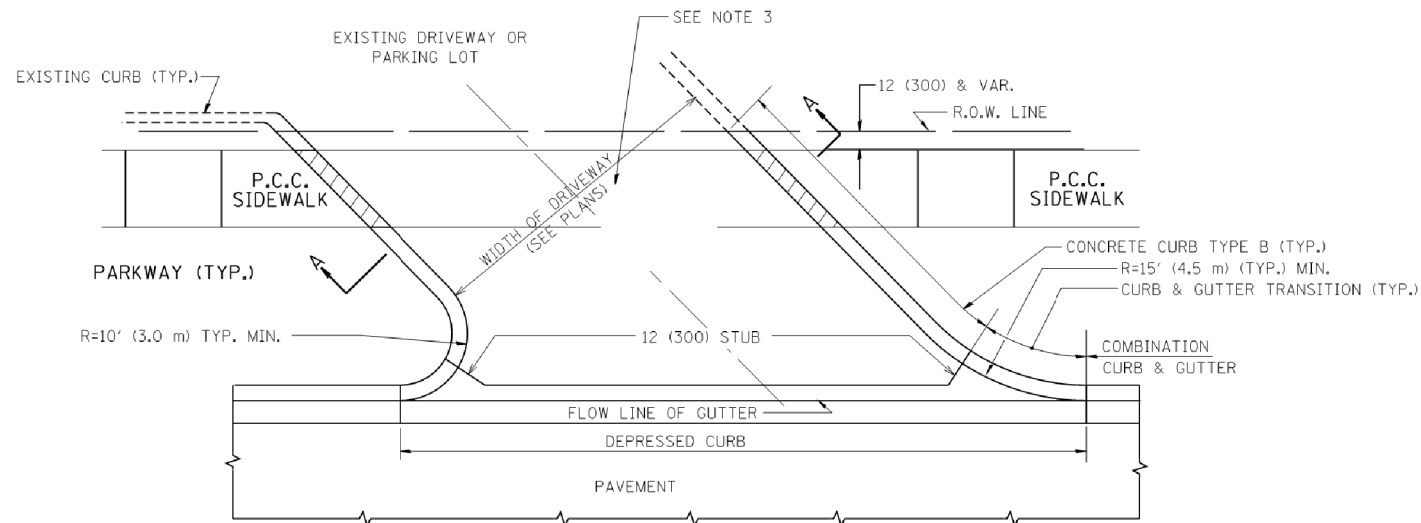
SOIL BORING LOGS
ILLINOIS ROUTE 19

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

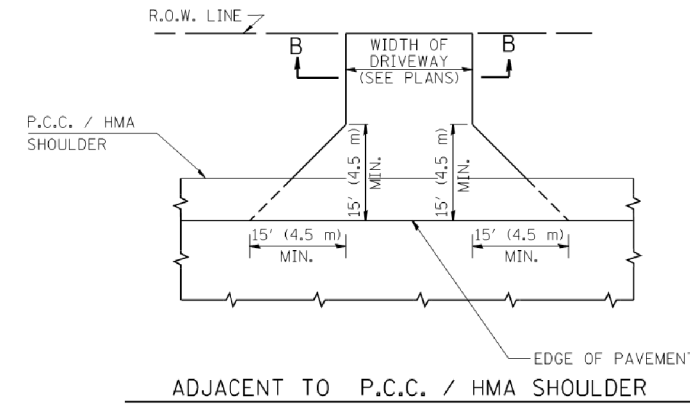
F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	84
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



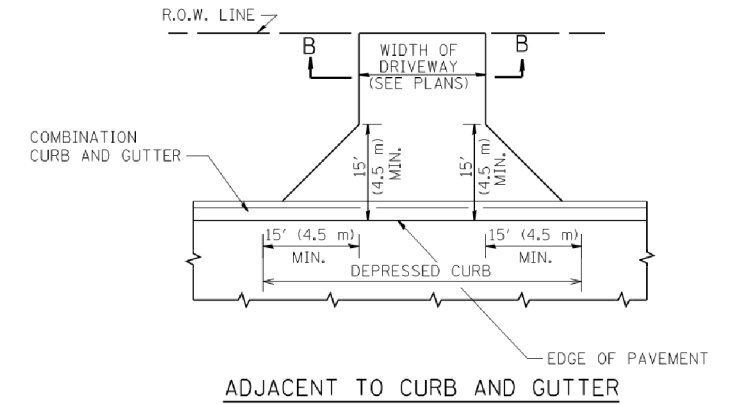
WITH CONCRETE CURB, TYPE B



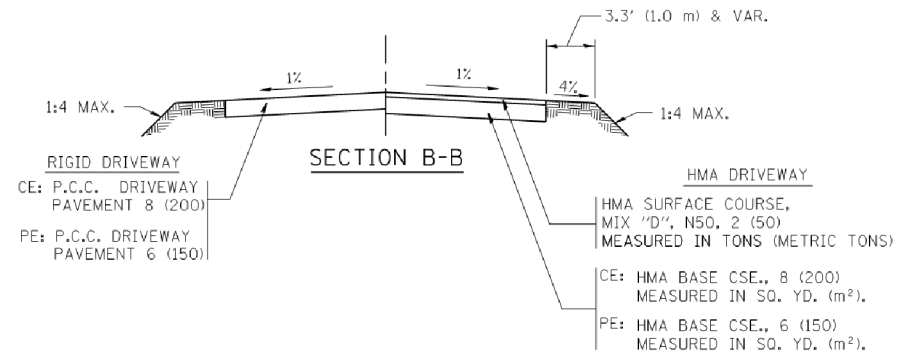
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

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

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

GENERAL NOTES:

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

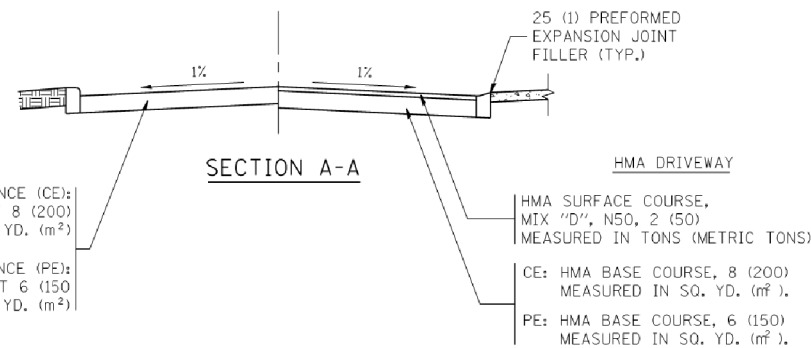
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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



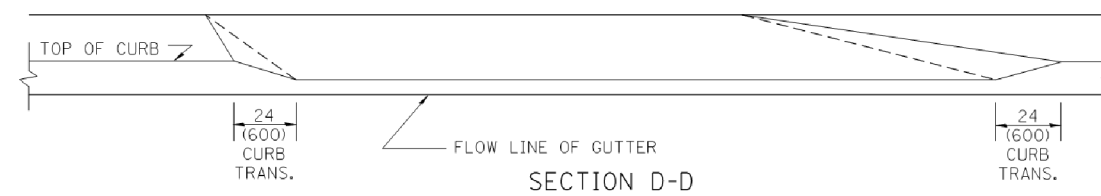
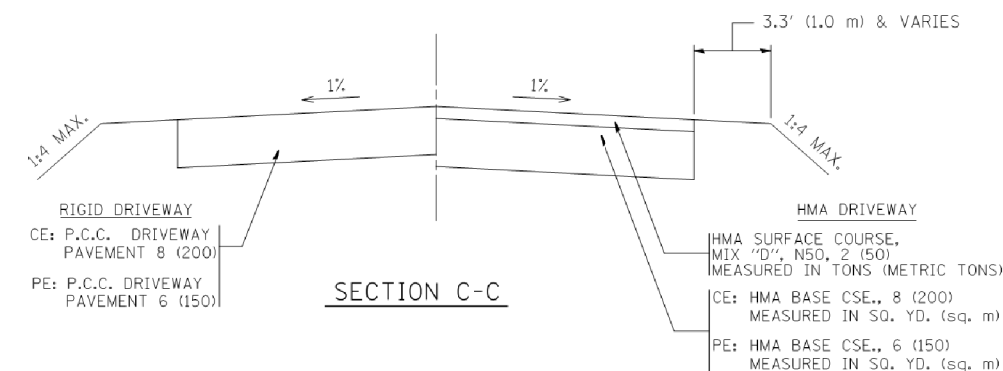
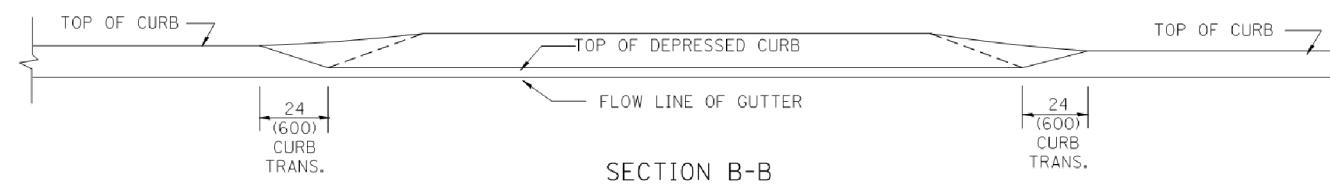
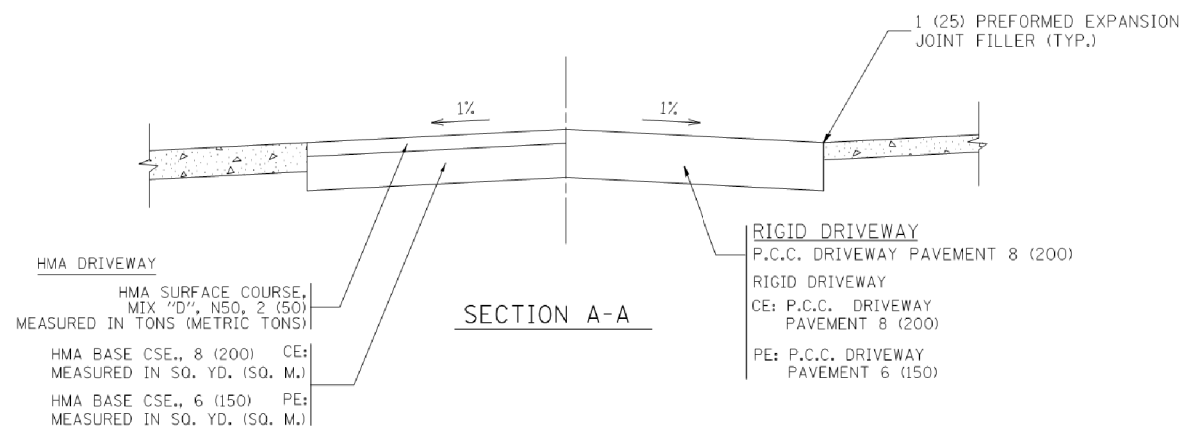
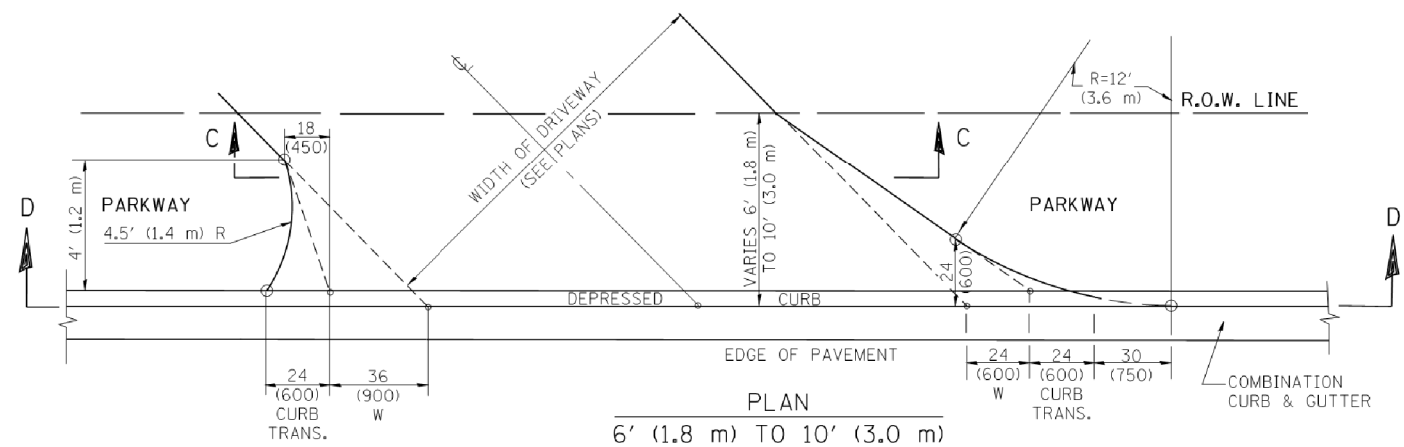
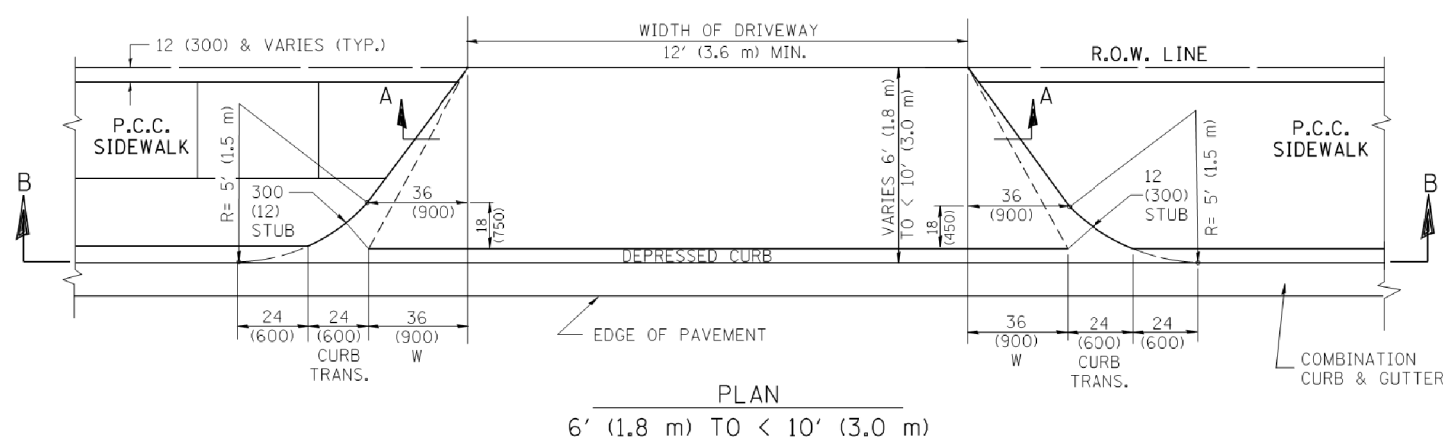
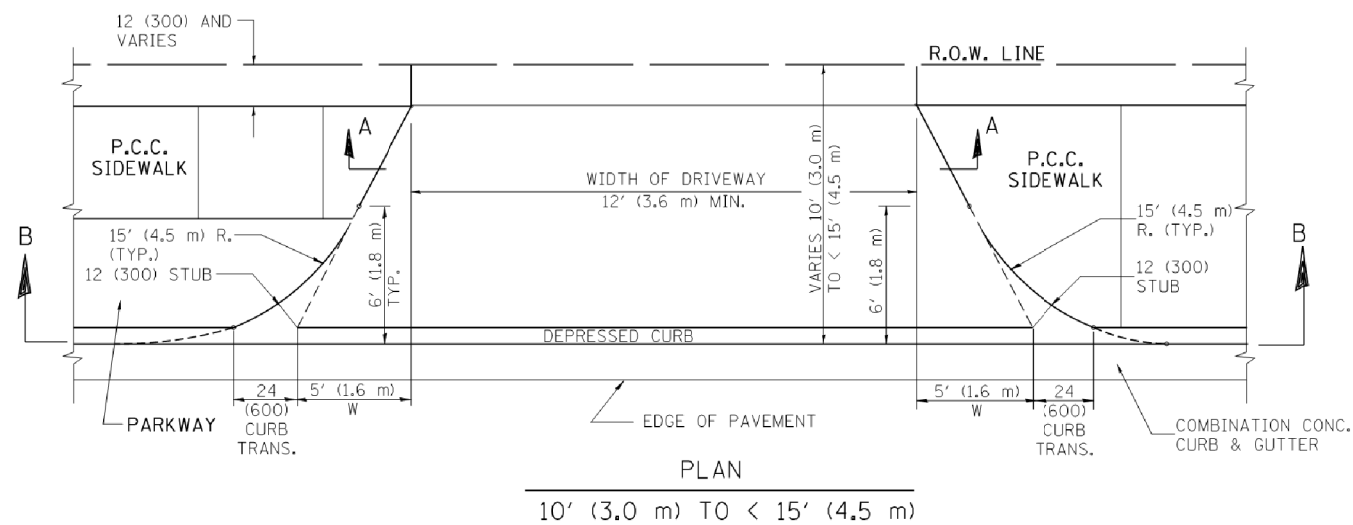
COMPANY NAME: 266-sh1-detailed.tbl
 PROJECT CONTACT: 266-sh1-detailed.tbl
 DATE PLOTTED: 1/4/2019 4:59:00 PM
 FILE NAME: 266-sh1-detailed.tbl
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plot.tbl

FILE NAME =	USER NAME = lsgoo	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
ca:\p\work\p\dot\lsgoo\0108315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	85
BD0156-07 (BD-01)			CONTRACT NO. 61F41	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

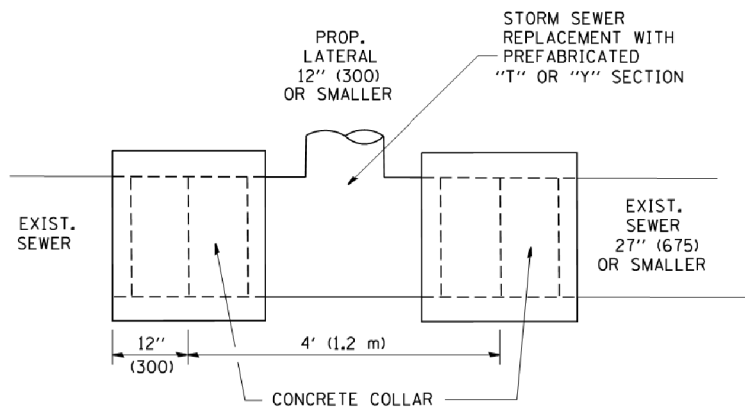
COMPANY NAME: 266-sh1-detrails-8002.dgn
PROJECT CONTACT: PROJECT CONTACTS
DATE PLOTTED: 1/4/2019 4:59:29 PM
FILE NAME: 266-sh1-detrails-8002.dgn
PLOT DRIVER: ILpdf.plt
PEN TABLE: plot.tbl

FILE NAME =	USER NAME = lgyso	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-05-01
ca:\prj\work\p\dot\lgyso\d0108315\bd02.dgn		DRAWN -	REVISED - P. LAFLEUR 04-15-03
		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

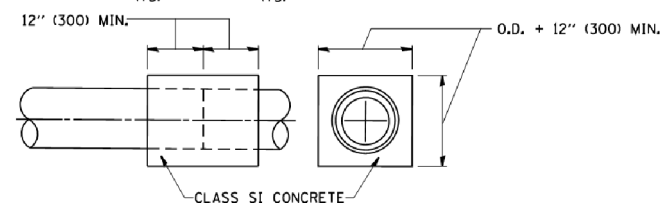
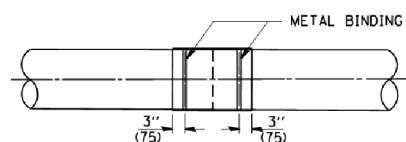
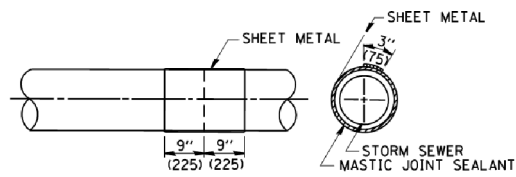
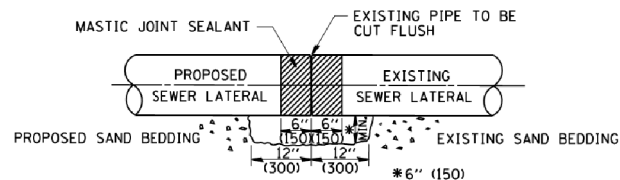
DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	86
BD400-02 (BD-02)			CONTRACT NO. 61F41	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

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

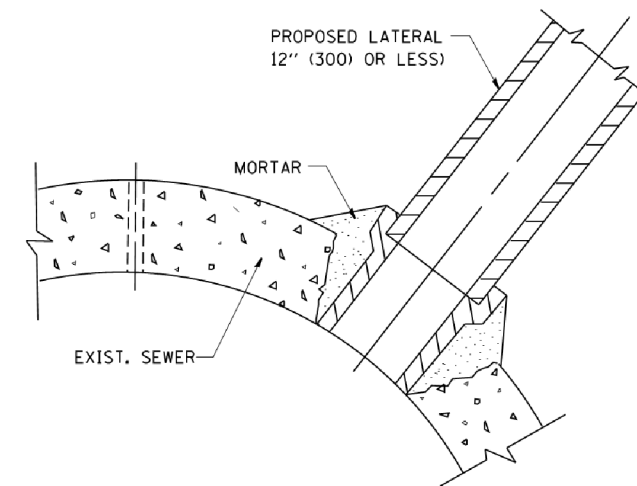


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- 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.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



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.

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

COMPANY NAME: #COMPANY NAMES
 PROJECT CONTACT: #PROJECT CONTACTS
 DATE PLOTTED: 1/4/2018 4:58:47 PM
 FILE NAME: 266-sh1-details-8007.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plottbl.tbl

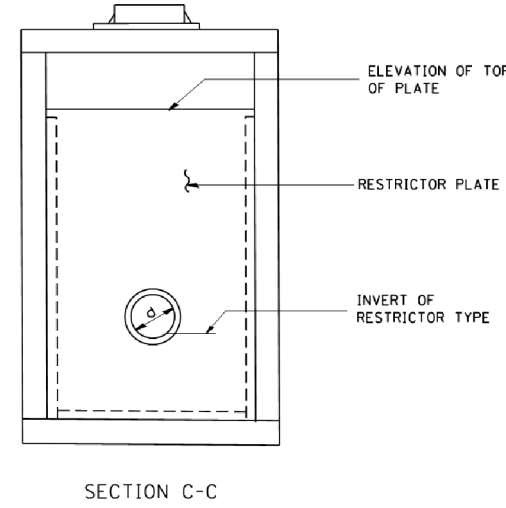
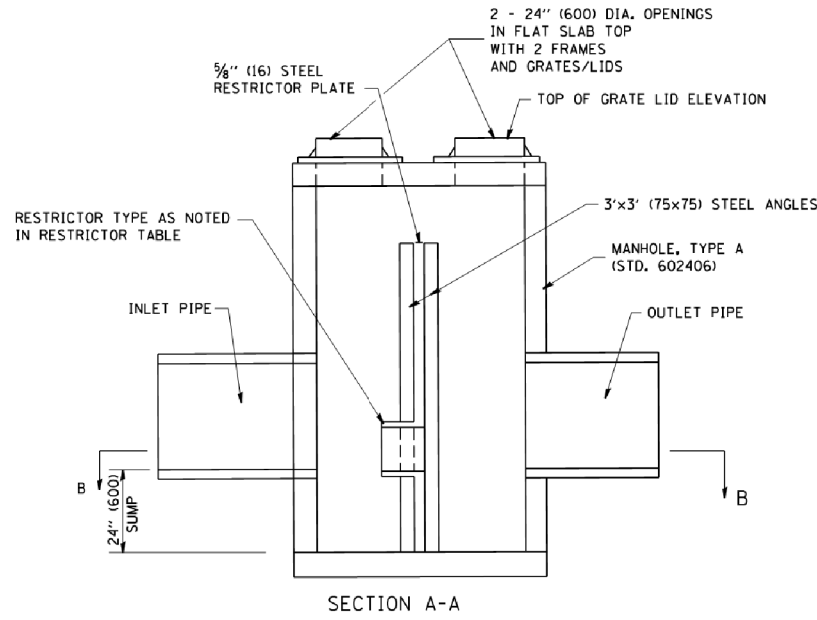
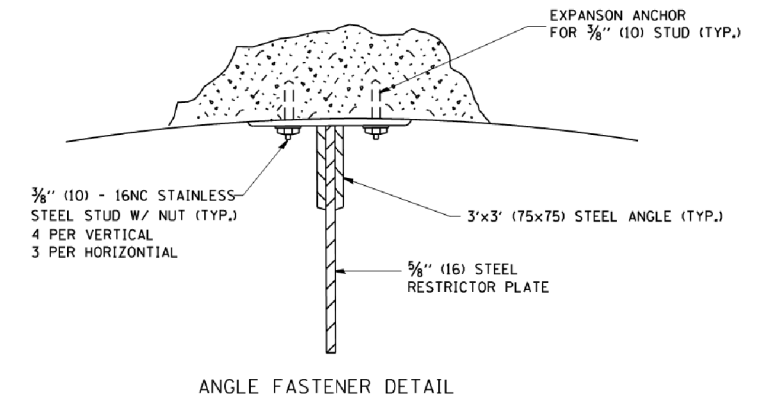
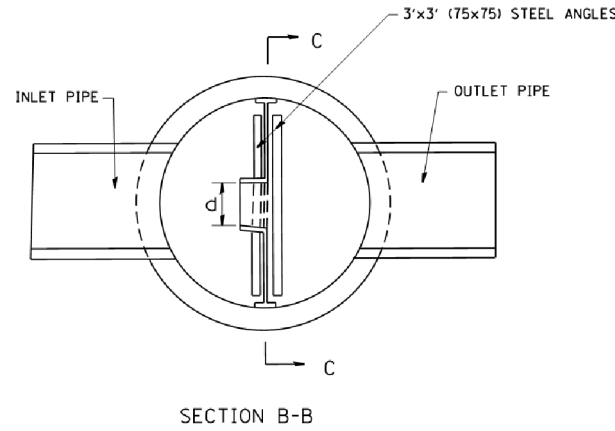
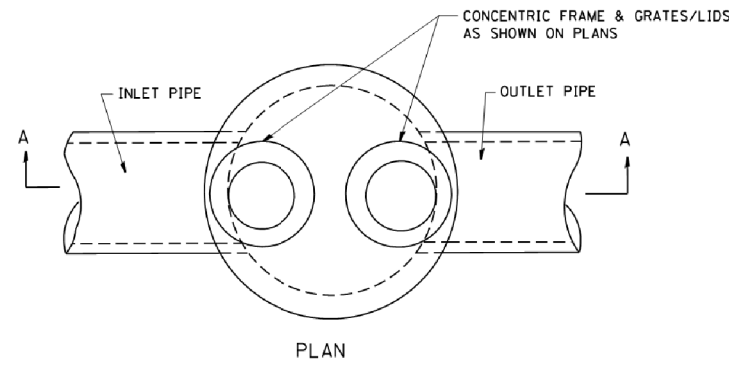
FILE NAME =	USER NAME = gajlanobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
W:\data\22x34\bd07.dgn		DRAWN -	REVISED - R. SHAH 09-09-94
		PLOT SCALE = 50.000 ' / IN.	REVISOR - R. SHAH 10-25-94
		CHECKED -	REVISED - R. SHAH 06-12-96
		PLOT DATE = 1/4/2008	
		DATE - 07-25-90	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

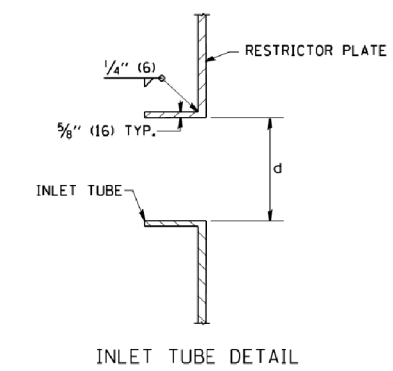
DETAIL OF STORM SEWER
 CONNECTION TO EXISTING SEWER

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

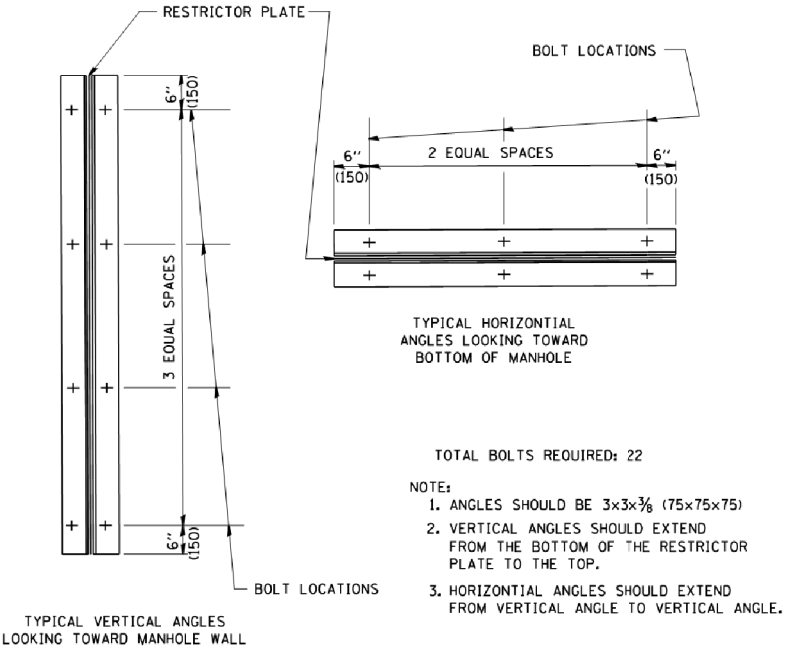
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	87
BD500-01 (BD-7)			CONTRACT NO.	61F41
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- 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



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
513+58.76	8'	T1F CL	3	22	776.25	778.30
521+90.11	8'	T1F CL	3	8	785.80	789.80
535+67.00	8'	T1F CL	3	16	785.19	788.50
535+92.00	8'	T1F CL	3	18	787.52	790.00



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (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.

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

COMPANY NAME: #COMPANY CONTACT #
 PROJECT CONTACT: #PROJECT CONTACT #
 DATE PLOTTED: 1/4/2019 5:00:06 PM
 FILE NAME: 266-sh1-details-BD12.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plottable.tbl

FILE NAME = W:\datastd\22x34\bd12.dgn	USER NAME = gaglanobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-08-01
	PLOT DATE = 1/4/2008	DATE - 09-09-94	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MANHOLE WITH
 RESTRICTOR PLATE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	88
BD600-04 (BD-12)		CONTRACT NO.	61F41	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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

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

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

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

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

COMPANY NAME: 266-sh1-details-8024.dgn
PROJECT CONTACT: PROJECT CONTACTS
DATE PLOTTED: 1/4/2019 5:00:25 PM
FILE NAME: 266-sh1-details-8024.dgn
PLOT DRIVER: ILpdf.plt
PEN TABLE: plot.tbl

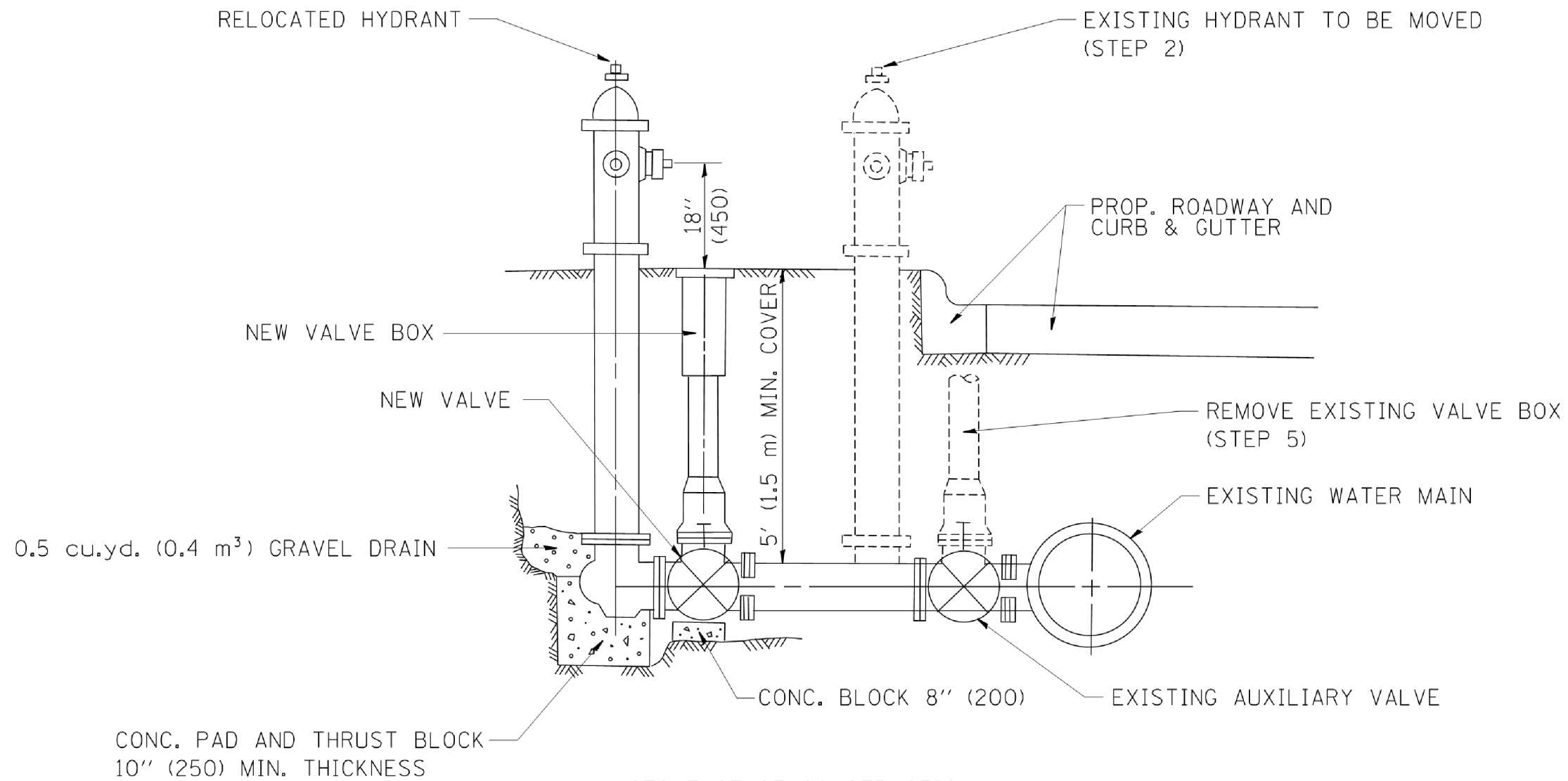
FILE NAME =	USER NAME = drvakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
cs:\pwork\pwork\dot\drvakosgn\d0108315\bd24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	89
BD600-06 (BD-24)			CONTRACT NO. 61F41	
FED. ROAD DIST. NO. 1 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.

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: 266-sh1-details-8036.dgn
 PROJECT CONTACT: 1/4/2008 5:00:44 PM
 DATE PLOTTED: 1/4/2008 5:00:44 PM
 FILE NAME: 266-sh1-details-8036.dgn
 PLOT DRIVER: ilplotdrv
 PEN TABLE: plotlabel.tbl

FILE NAME =	USER NAME = gagliano	DESIGNED -	REVISED - R. SHAH 09-09-94
W:\diststd\22x34\bd36.dgn		DRAWN -	REVISED - R. SHAH 10-25-94
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIRE HYDRANT TO BE MOVED			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

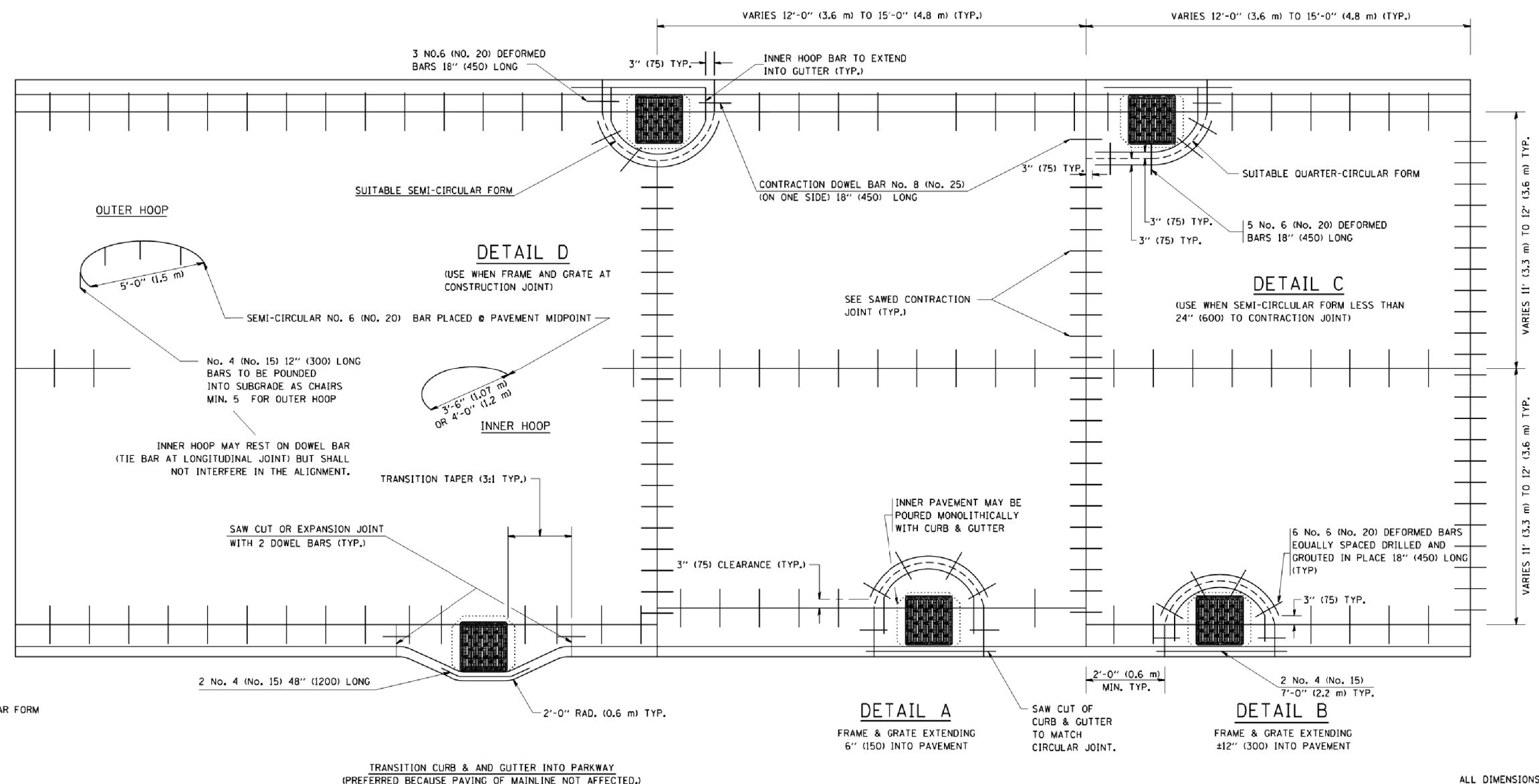
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	90
BD-36			CONTRACT NO. 61F41	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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 TIE 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.



LEGEND:
..... CASTING
----- SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES
(MILLIMETERS) UNLESS OTHERWISE NOTED

COMPANY NAME: 266-sh1-detailed-BD48.dgn
PROJECT CONTACT: 266-sh1-detailed-BD48.dgn
DATE PLOTTED: 1/4/2019 5:01:02 PM
FILE NAME: 266-sh1-detailed-BD48.dgn
PLOT DRIVER: ILpdf.plt
PEN TABLE: plotlabel.tbl

FILE NAME = W:\dstatd\22x34\bd48.dgn	USER NAME = gaglianobt	DESIGNED - A. ABBAS	REVISED - T. MATOUSEK 08-28-00
		DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 10-02-00
		CHECKED - A. ABBAS	REVISED - T. MATOUSEK 04-25-02
		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 NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	91
BD-48			CONTRACT NO.	61F41
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 1/4/2019 5:01:21 PM
 FILE NAME: 266-sh1-details-BD51.dgn
 PLOT DRIVER: ILpdfw.dwt
 PEN TABLE: plotlabel.tbl

FILE NAME = W:\diststd\22x34\bd51.dgn
 USER NAME = gagliano

DESIGNED -
 DRAWN - CADD
 CHECKED - S.E.B.
 PLOT DATE = 1/4/2008

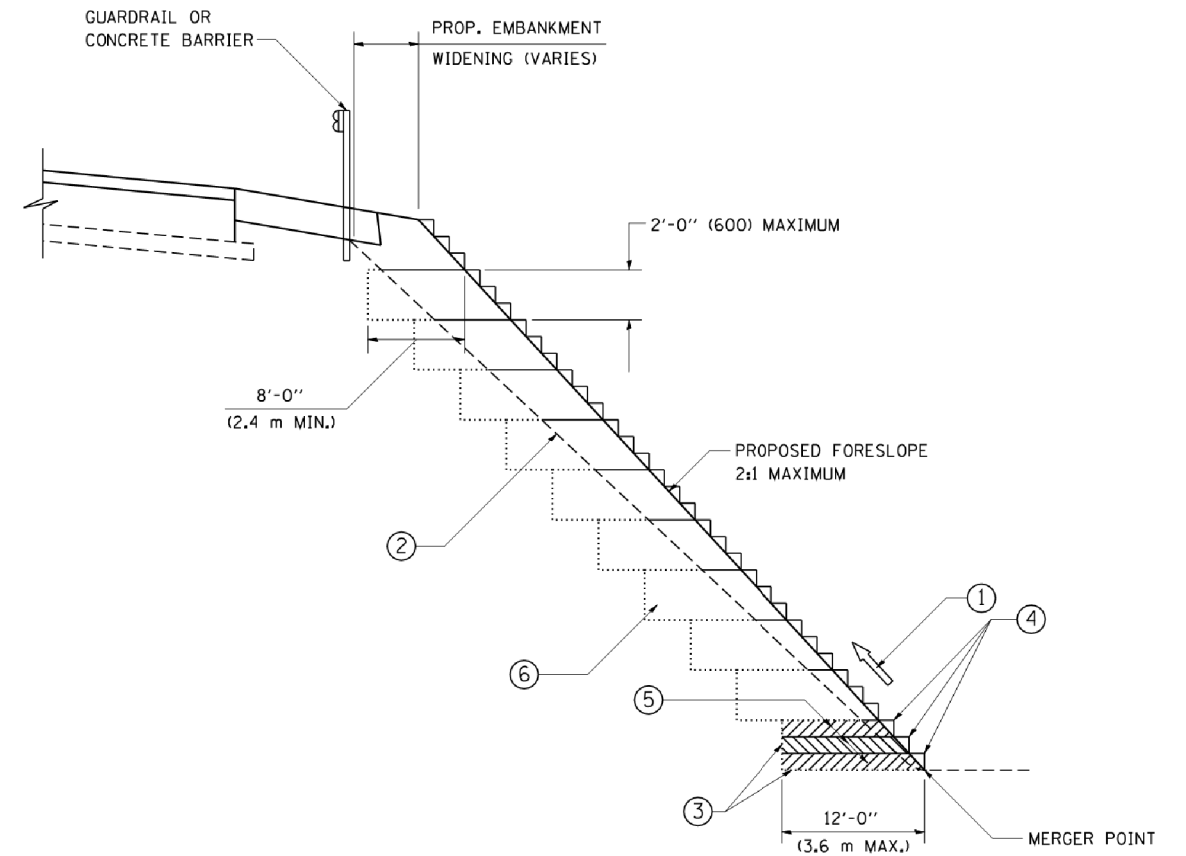
REVISED -
 REVISED -
 REVISED -
 REVISED -

DATE - 06-16-04
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
 FOR EMBANKMENT WIDENING**
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	92
BD-51			CONTRACT NO. 61F41	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				

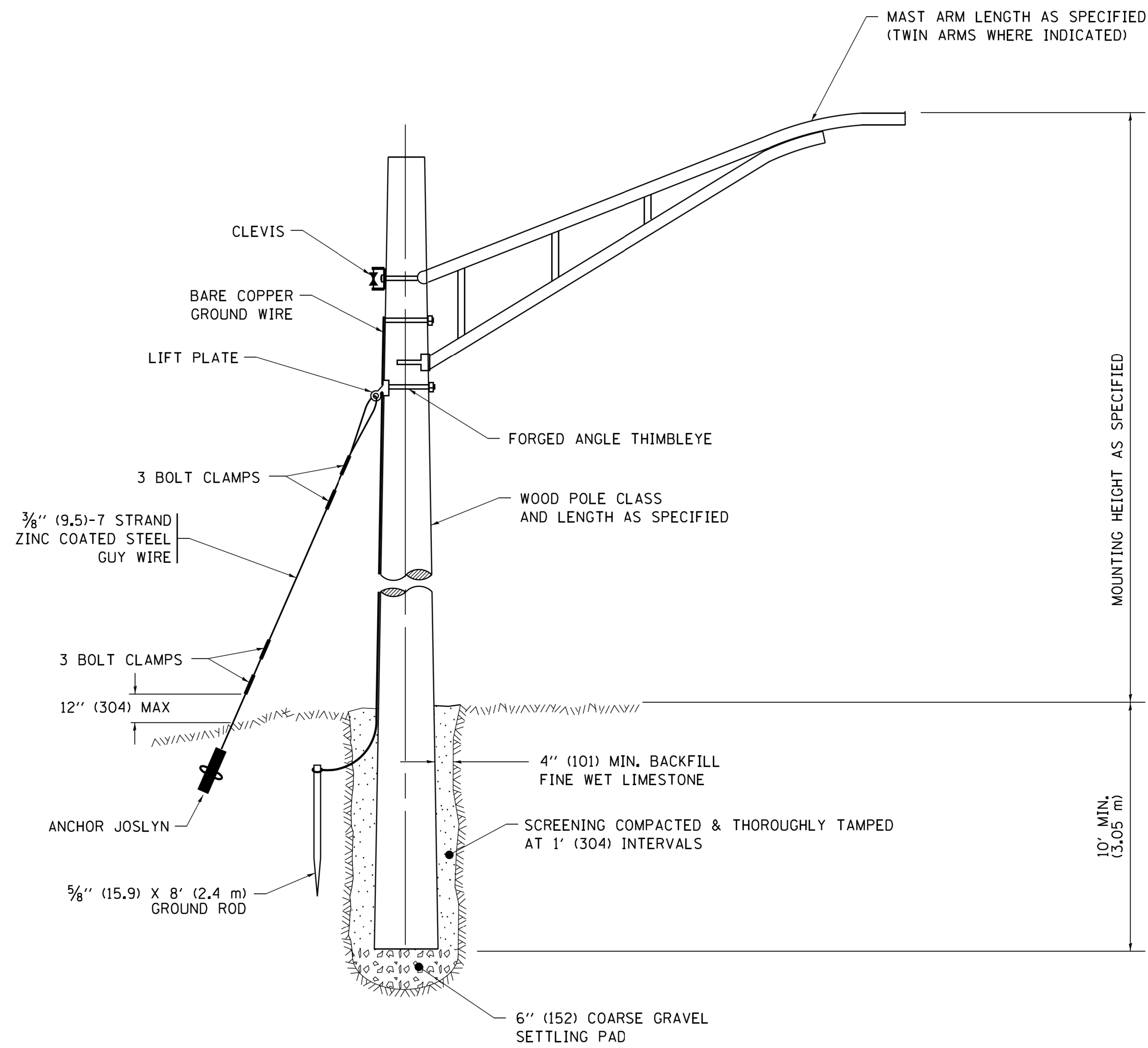


TYPICAL BENCHING DETAIL
 FOR EMBANKMENT

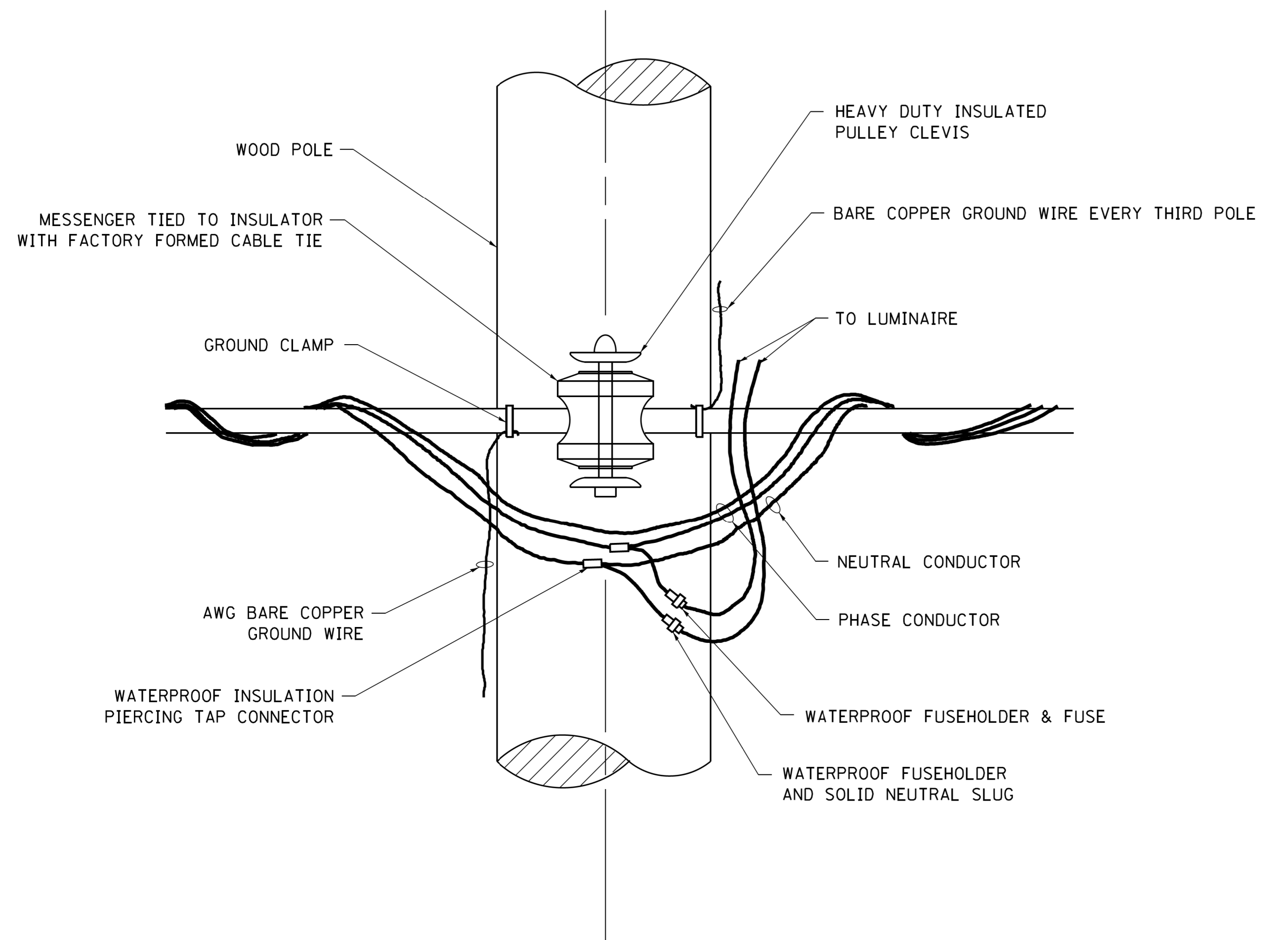
NOTES:

- 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.



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 1/23/2019 3:38:49 PM
 FILE NAME: 266-sh1-details-BE800.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plotlabel.tbl

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - 08-08-03
p:\j\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Distri	Documents\IDOT Offices\District 1\Projects\Distri	DRAWN	REVISED - R.T. 07-26-16
Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/1/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHT POLE DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	92A
BE-800		CONTRACT NO.	61F41	
ILLINOIS FED. AID PROJECT				

COMPANY NAME: #COMPANY NAME#
 PROJECT CONTACT: #PROJECT CONTACT#
 DATE PLOTTED: 1/4/2016 5:01:40 PM
 FILE NAME: 266-sh1-details-TC10.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plotlabel.tbl

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
Default	pww\IL084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CAD\Details\TC10.dgn	DRAWN - T. RAMMACHER 01-06-00	REVISED - T. RAMMACHER 01-06-00
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

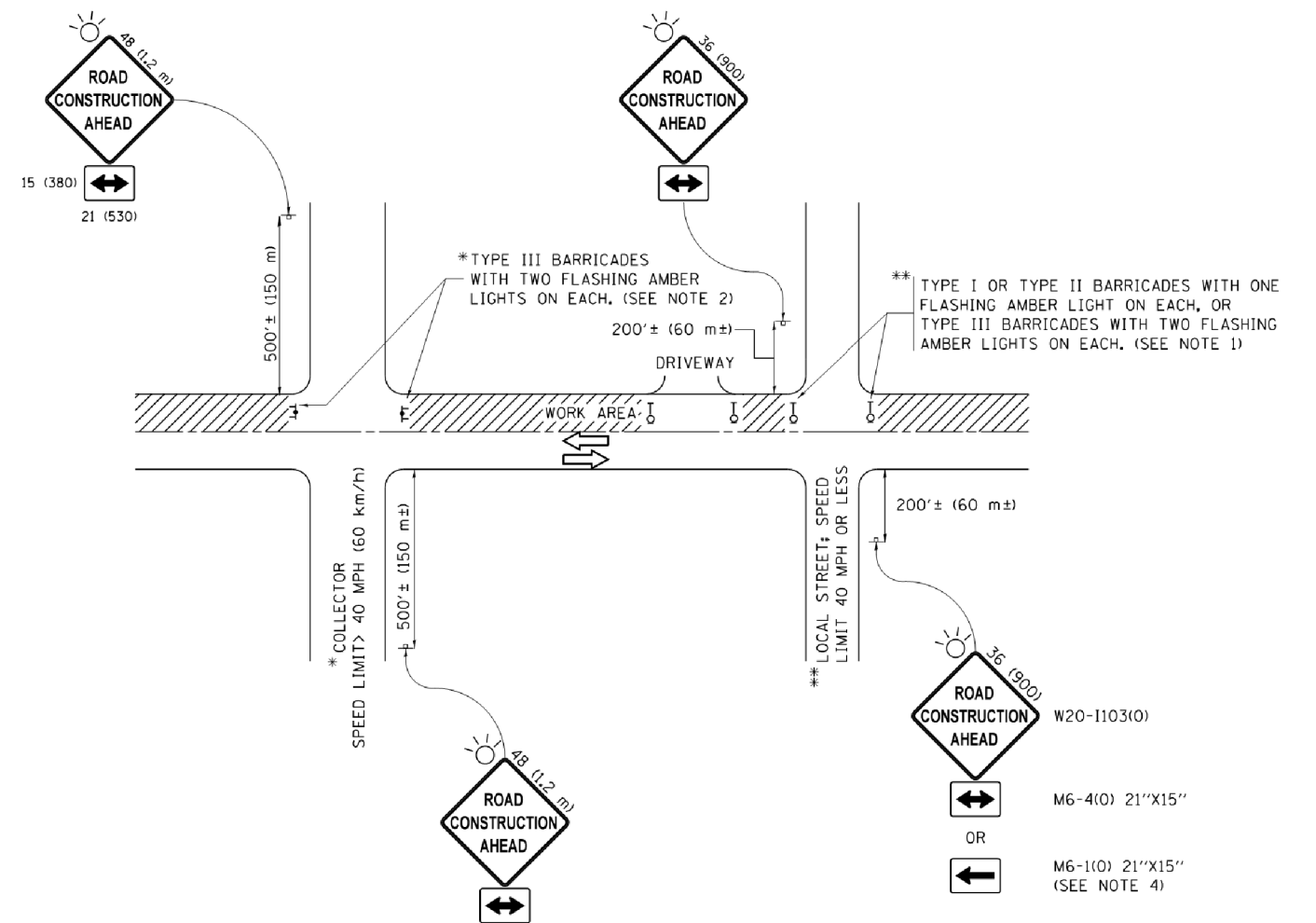
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

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

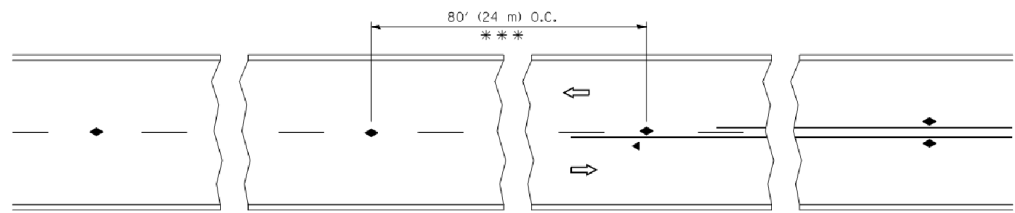
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	93
TC-10			CONTRACT NO.	61F41
ILLINOIS FED. AID PROJECT				

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



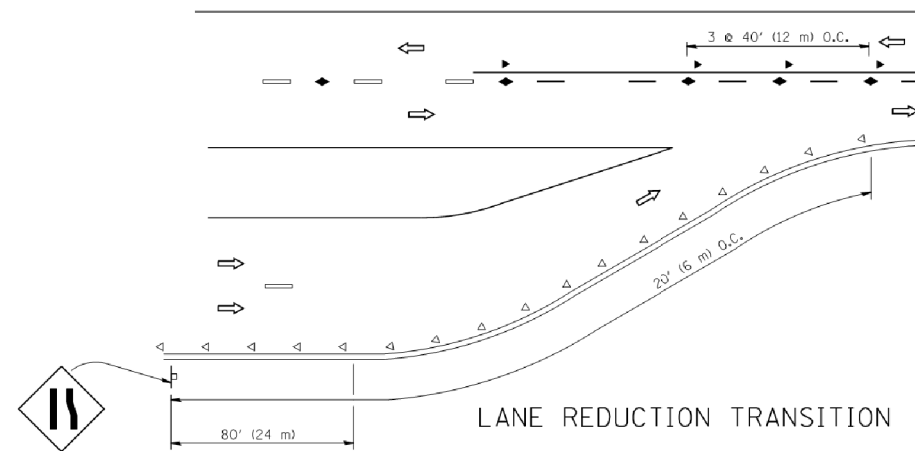
NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

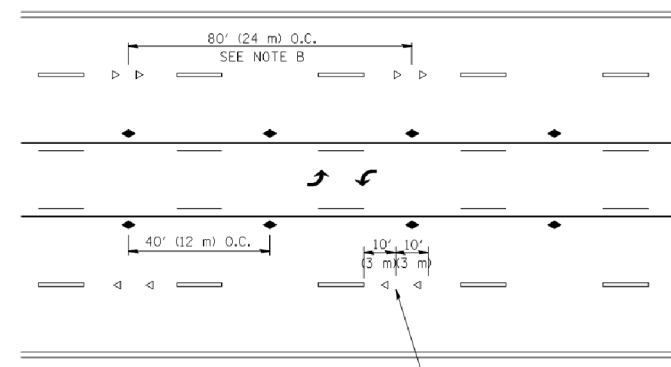


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

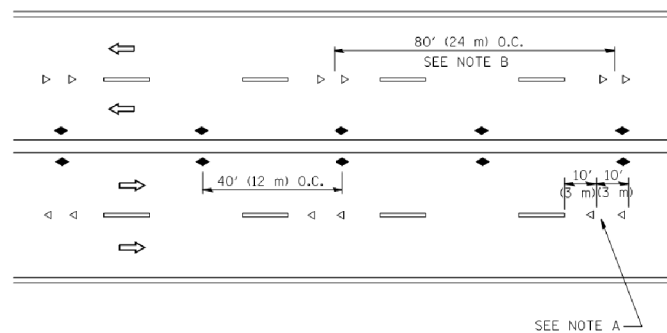
TWO-LANE/TWO-WAY



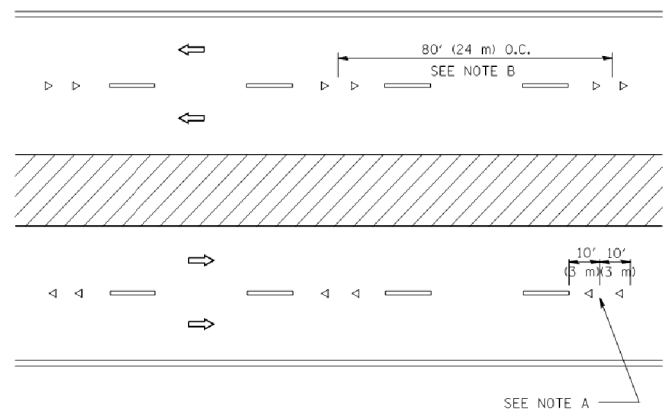
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

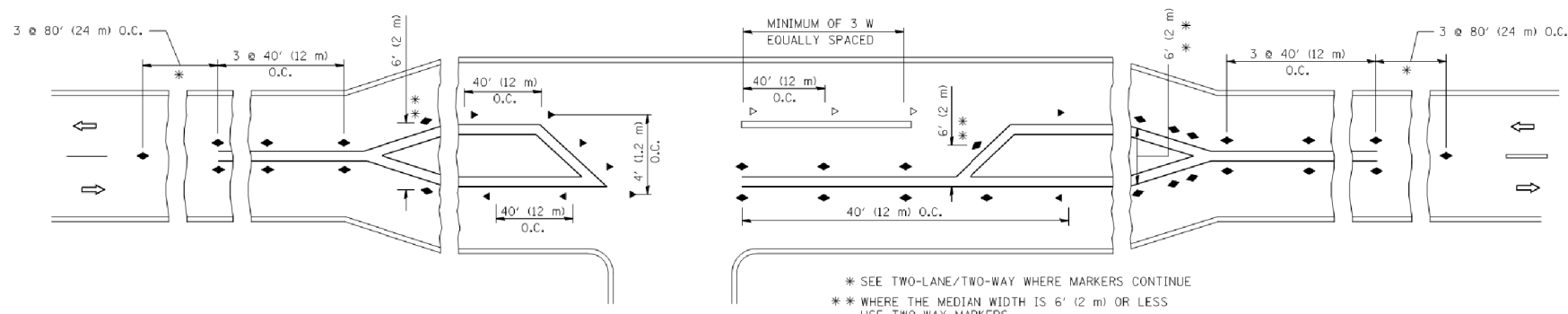
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



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

LEFT TURN

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

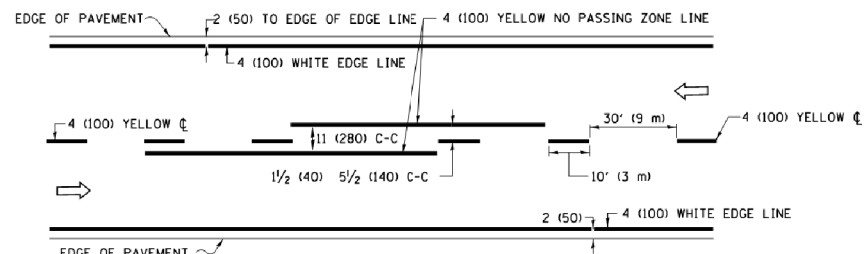
COMPANY NAME: PROJECT CONTACTS
 PROJECT CONTACT: 50159 PM
 DATE PLOTTED: 1/4/2019
 FILE NAME: 266-sh1-details-TC11.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plotlabel.tbl

FILE NAME =	USER NAME = lrysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
ci:\pwork\pwork\lrysa\d0108315\tc11.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09

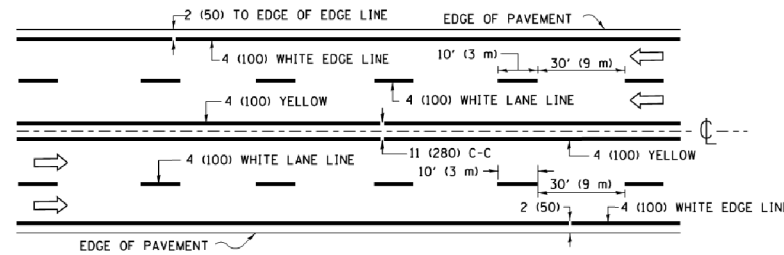
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

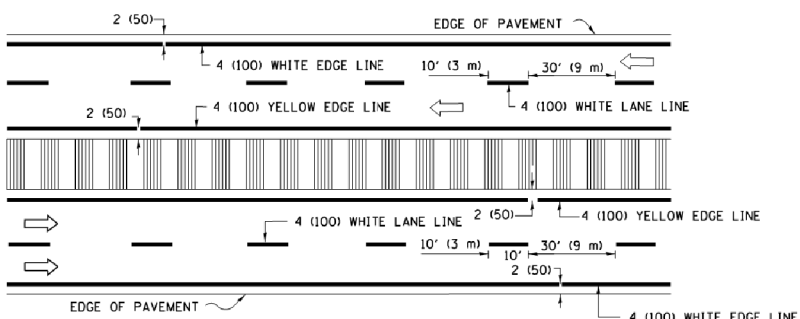
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	94
TC-11			CONTRACT NO. 61F41	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

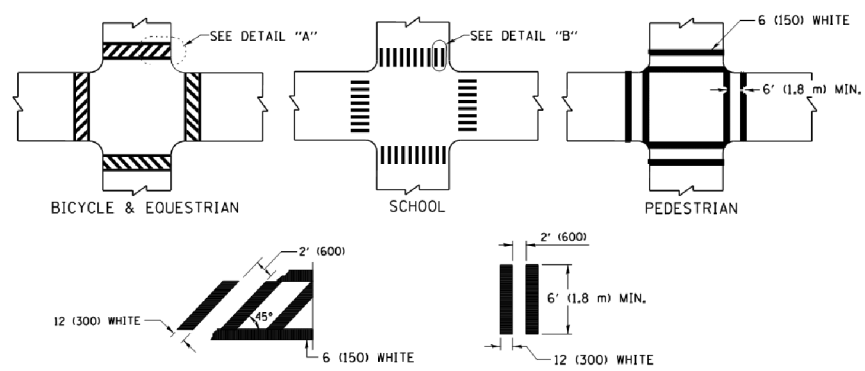


MULTI-LANE UNDIVIDED



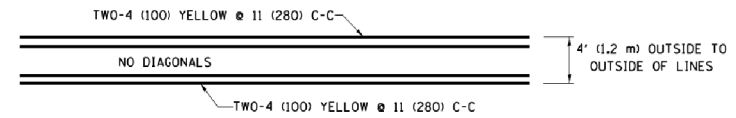
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

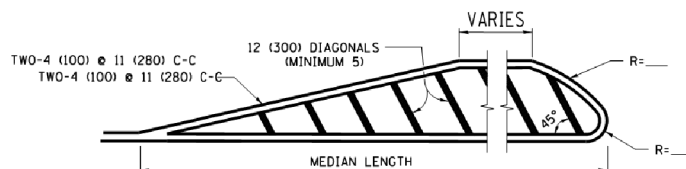


TYPICAL CROSSWALK MARKING

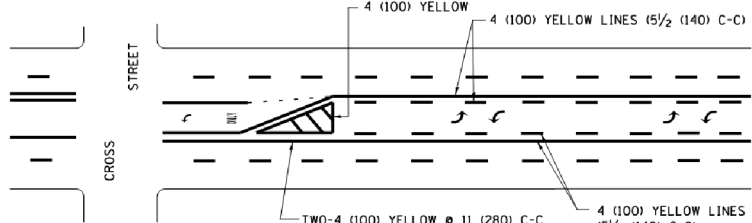
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



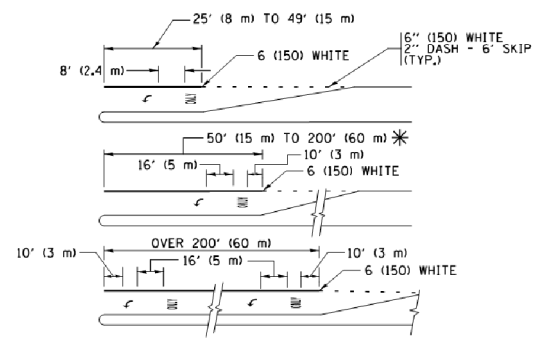
4' (1.2 m) WIDE MEDIANS ONLY



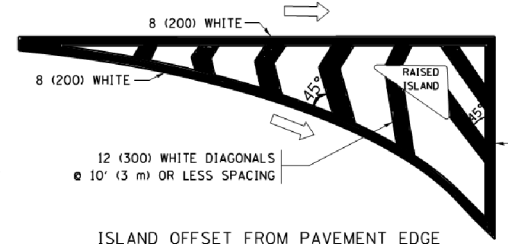
MEDIANS OVER 4' (1.2 m) WIDE



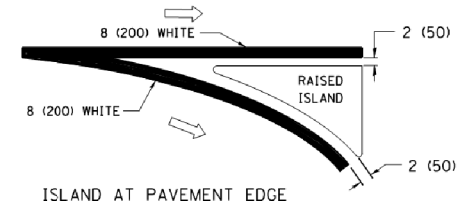
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



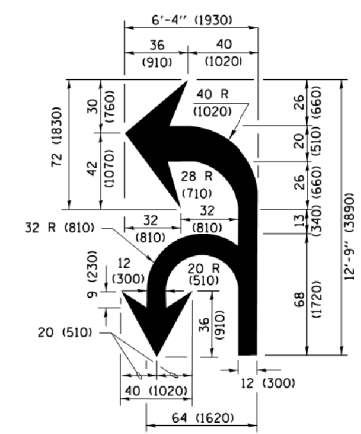
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



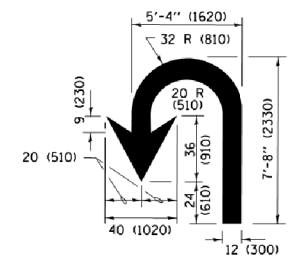
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 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' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

COMPANY NAME: 266-sh1-details-TC13.dgn
PROJECT CONTACT: 1/14/2016 5:02:18 PM
DATE PLOTTED: 1/14/2016 5:02:18 PM
FILE NAME: 266-sh1-details-TC13.dgn
PLOT DRIVER: ILpdf.plt
PEN TABLE: plot.tbl

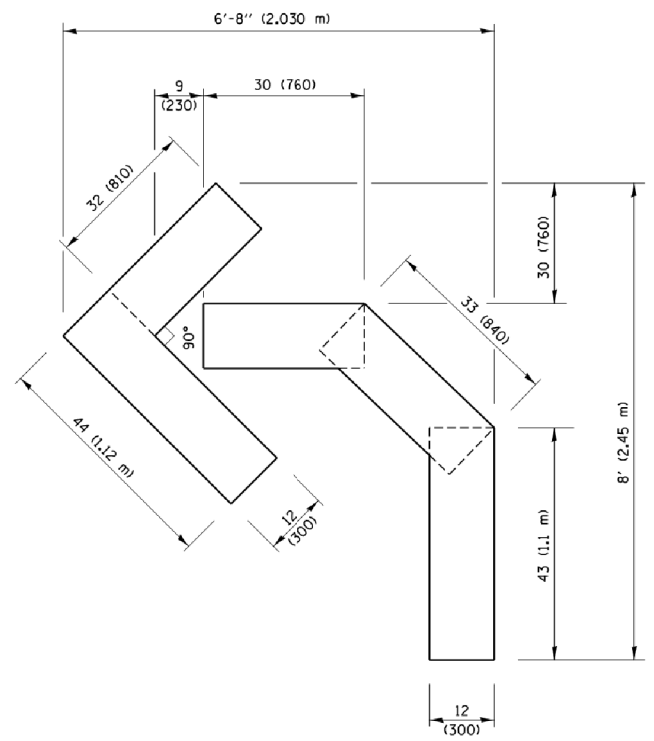
FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	pnw\jll084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\CAD\Details\TC13.dgn	DRAWN - CAD	REVISED - C. JUCIUS 07-01-13
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

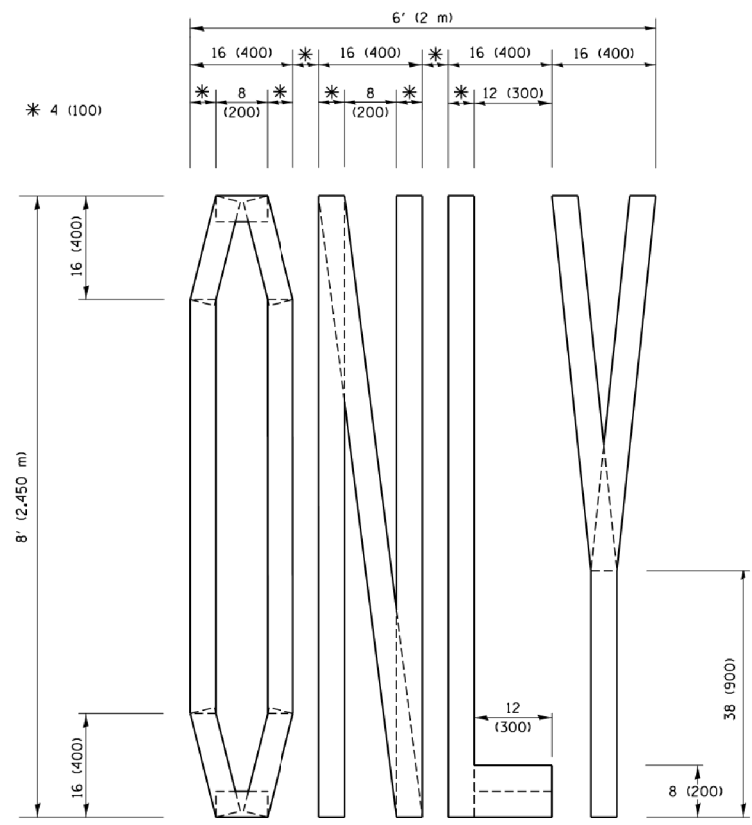
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

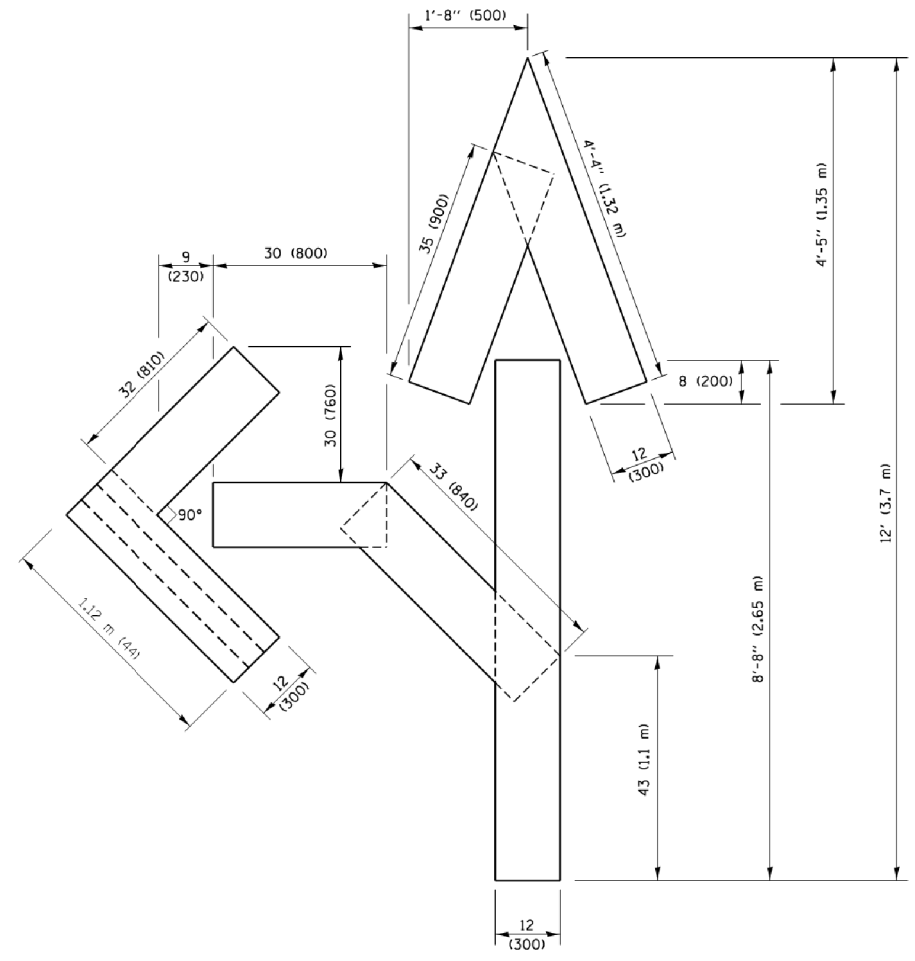
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	95
TC-13			CONTRACT NO. 61F41	
ILLINOIS FED. AID PROJECT				



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

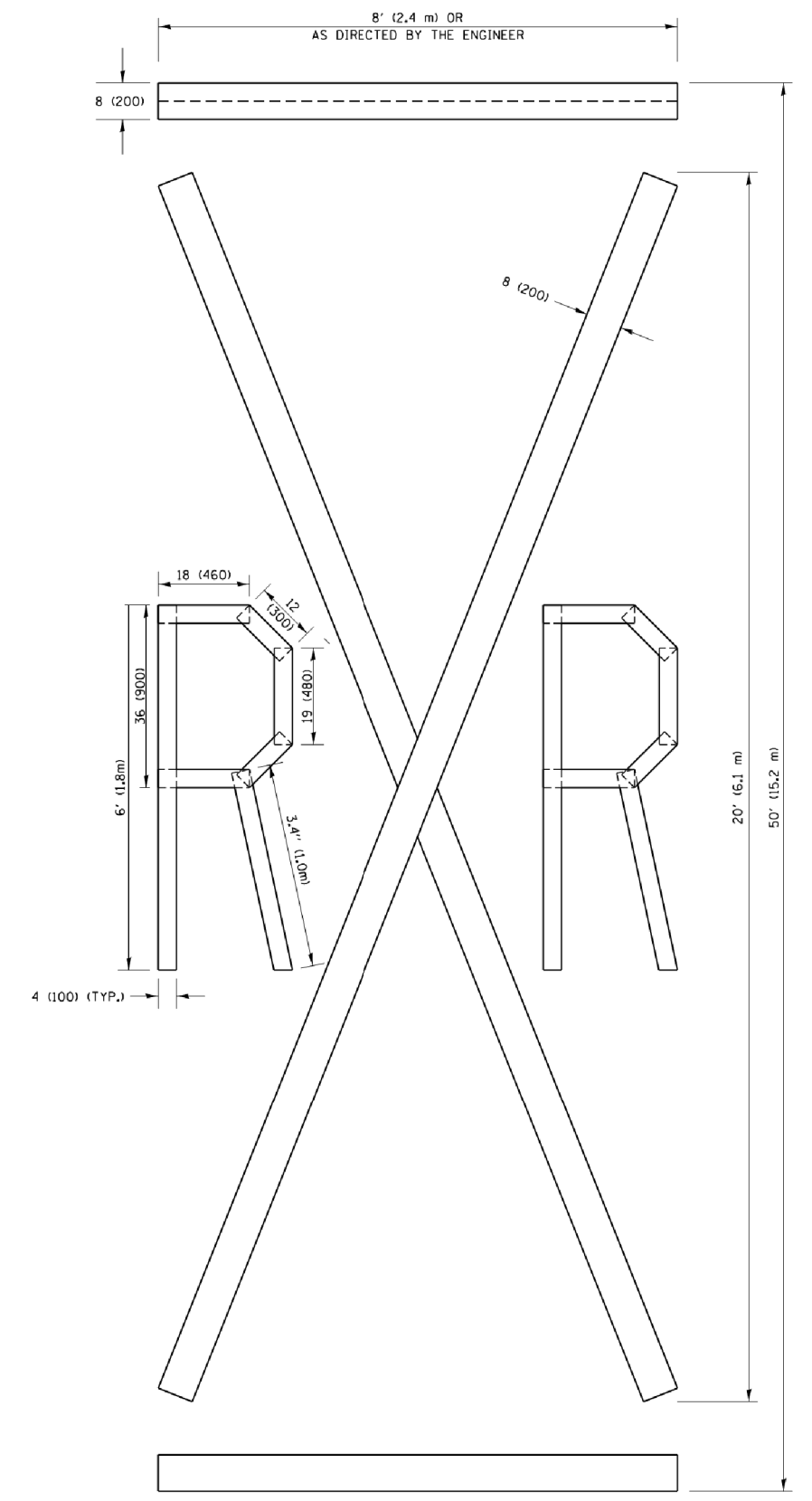


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

COMPANY NAME: 266-sh1-details-TC16.dgn
 PROJECT CONTACT: PROJECT CONTACTS
 DATE PLOTTED: 1/4/2016 5:02:56 PM
 FILE NAME: 266-sh1-details-TC16.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plotlabel.tbl

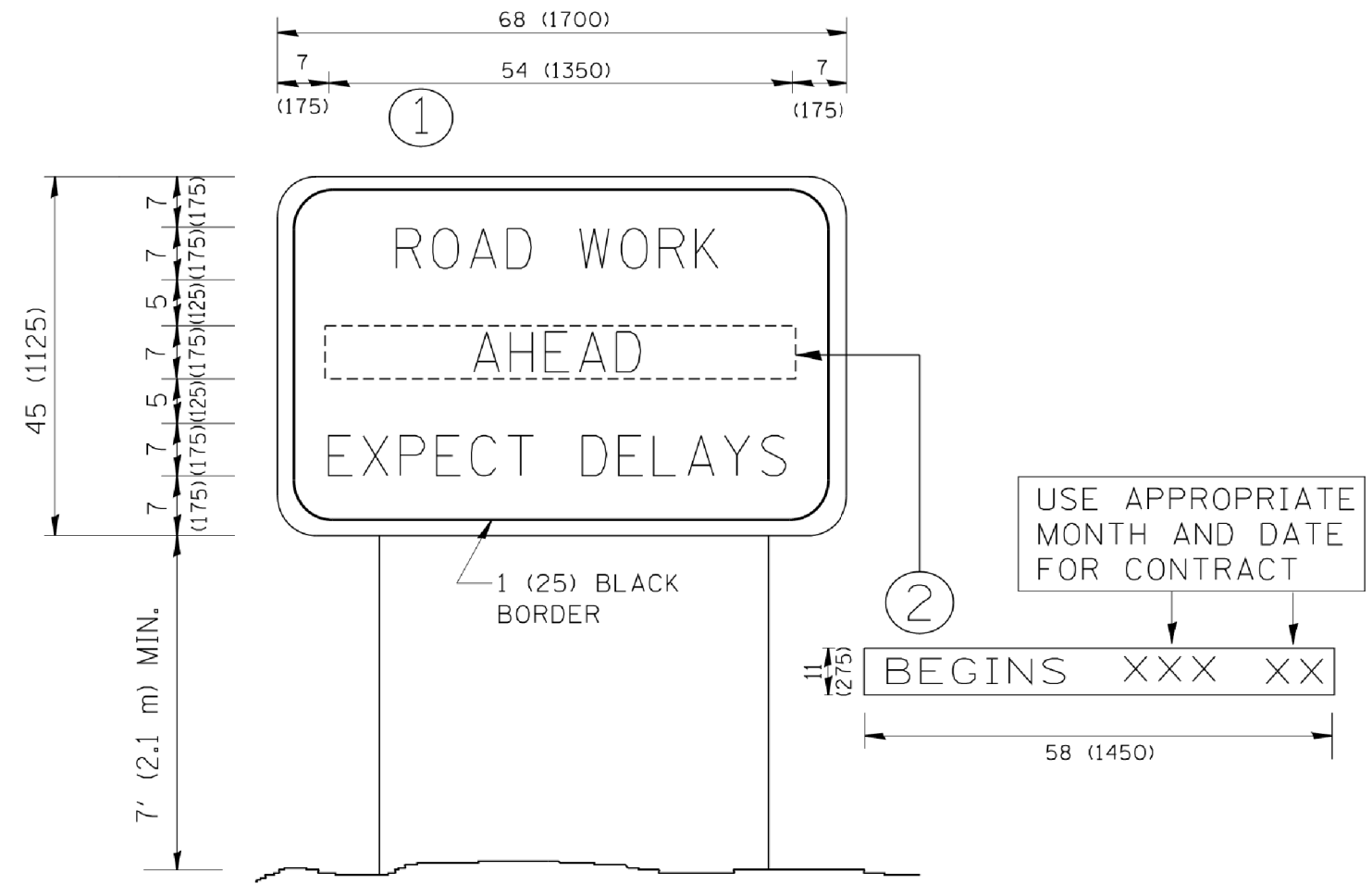
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pw\jll084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CADData\CADsheets\tc16.dgn		DRAWN	REVISED -E. GOMEZ 08-28-00
PLOT SCALE = 50.0000' / in.	CHECKED -		REVISED -E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016	DATE - 09-18-94		REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	97
TC-16			CONTRACT NO.	61F41
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

COMPANY NAME: *COMPANY NAME*
 PROJECT CONTACT: *PROJECT CONTACT*
 DATE PLOTTED: 1/4/2008 5:03:15 PM
 FILE NAME: 266-sh1-details-TC22.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plotlabel.tbl



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.

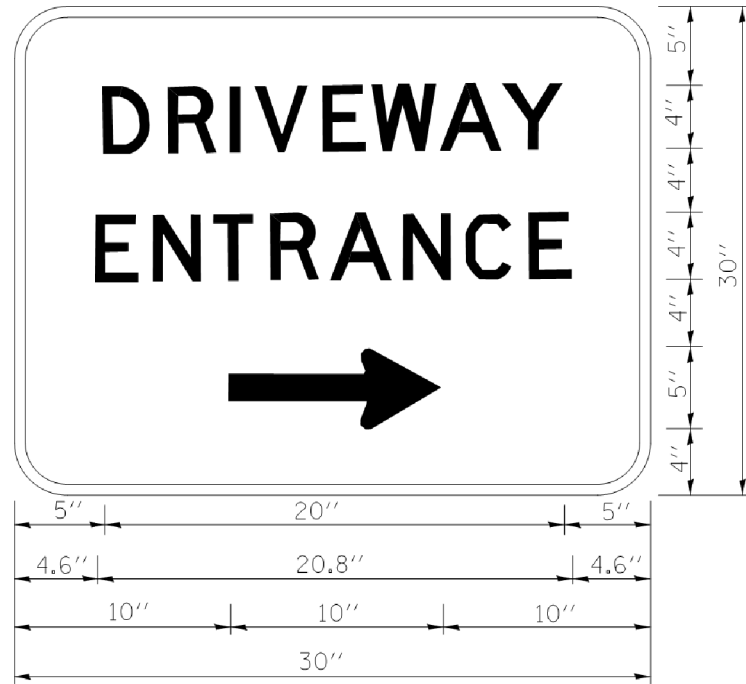
FILE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
W:\diststd\22x34\tc22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
 INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	98
TC-22			CONTRACT NO.	61F41
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

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

COMPANY NAME: 266-sh1-details-TC26.dgn
 PROJECT CONTACT: 266-sh1-details-TC26.dgn
 DATE PLOTTED: 1/4/2019 5:03:34 PM
 FILE NAME: 266-sh1-details-TC26.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plot.tbl

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
cs:\pwork\pwork\gaglianob\d0108315\266.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

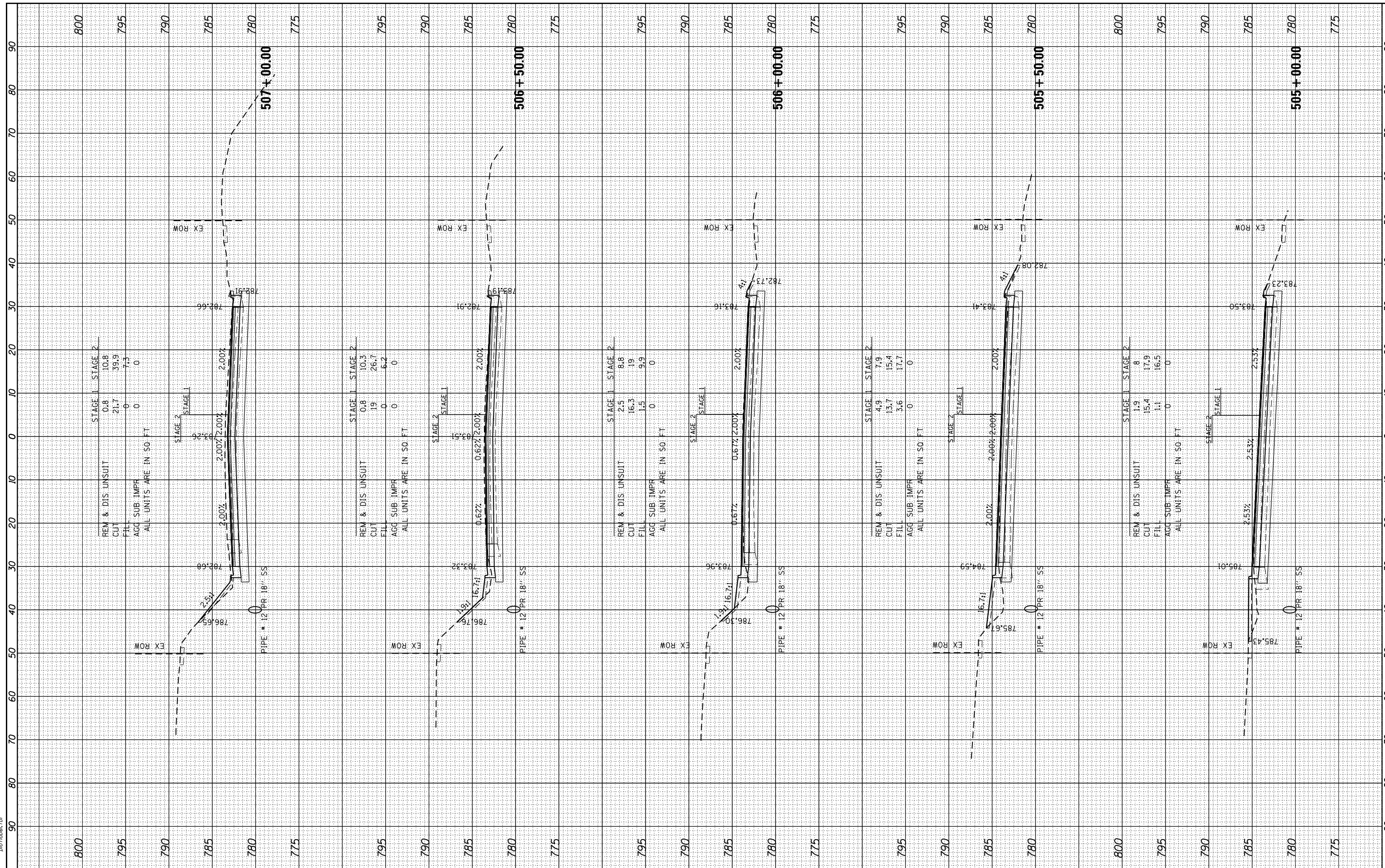
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	99
TC-26			CONTRACT NO. 61F41	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				

FINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

HRG PROJECT NO.: 6660266
 FILE NAME: 265-011-K&I(19).dgn
 PLOT DRIVER: IL.ctb
 PLOT TABLE: PLOT.tbl



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

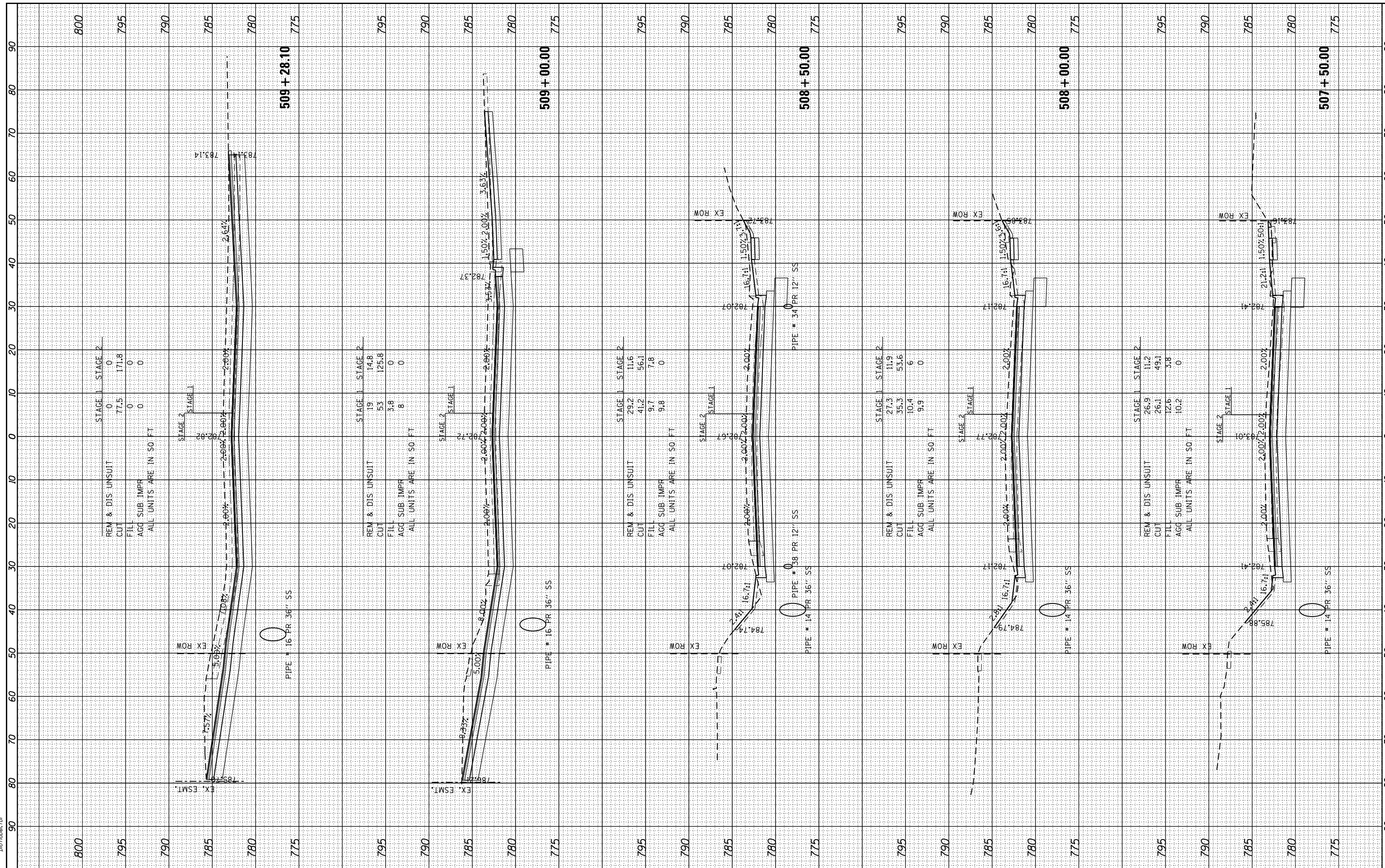
**PROPOSED CROSS SECTIONS
 ILLINOIS ROUTE 19**
 SCALE: 1"=10' SHEET 1 OF 17 SHEETS STA. 505+00.00 TO STA. 507+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	100
				CONTRACT NO. 61F41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 6660266
 FILE NAME: 265-011-K&I(19).dgn
 PLOT DRIVER: IL_Plotter.plt
 PEN TABLE: PLOTTABLE.tbl



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 ILLINOIS ROUTE 19**

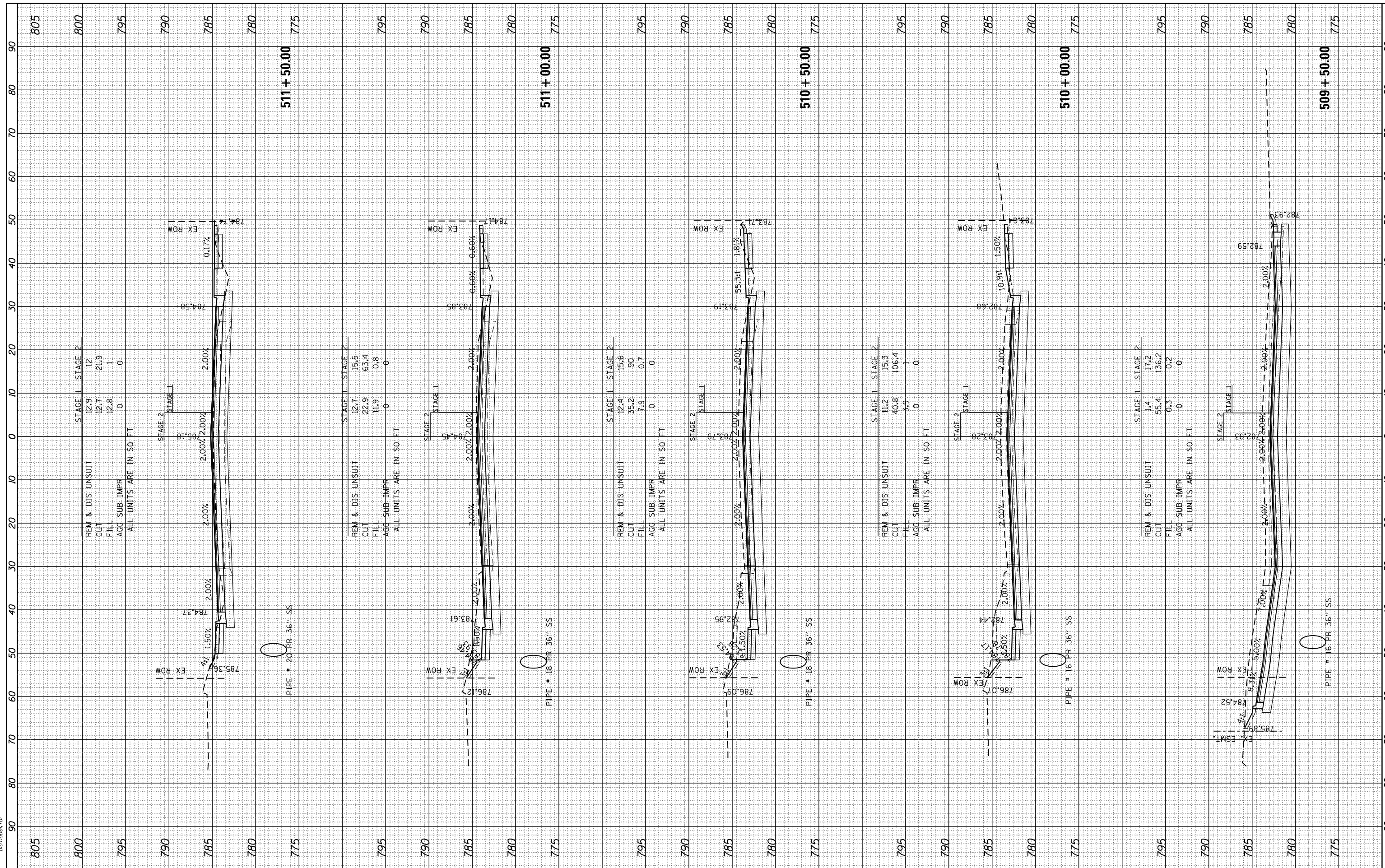
SCALE: 1"=10' SHEET 2 OF 17 SHEETS STA. 507+50.00 TO STA. 509+28.10

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	101
CONTRACT NO. 61F41				
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.: 6660266
 FILE NAME: 265-wt-kell19.dgn
 PLOT DRIVER: ilcwf_mwprfcfg
 PEN TABLE: pprtblen.tbl



USER NAME = jhorwt
DESIGNED - JRM
DRAWN - JCH
PLLOT SCALE =
PLLOT DATE = 1/4/2019

REVISD - XX/XX/XXXX
REVISD - XX/XX/XXXX
REVISD - XX/XX/XXXX
REVISD - XX/XX/XXXX

DATE - 11/15/2018

SCALE: 1"=10'
SHEET 3 OF 17 SHEETS
STA. 509+50.00 TO STA. 511+50.00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED CROSS SECTIONS ILLINOIS ROUTE 19			
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS
1321	10-00055-00-WR	COOK	116
			SHEET NO. 102
CONTRACT NO. 61F41			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

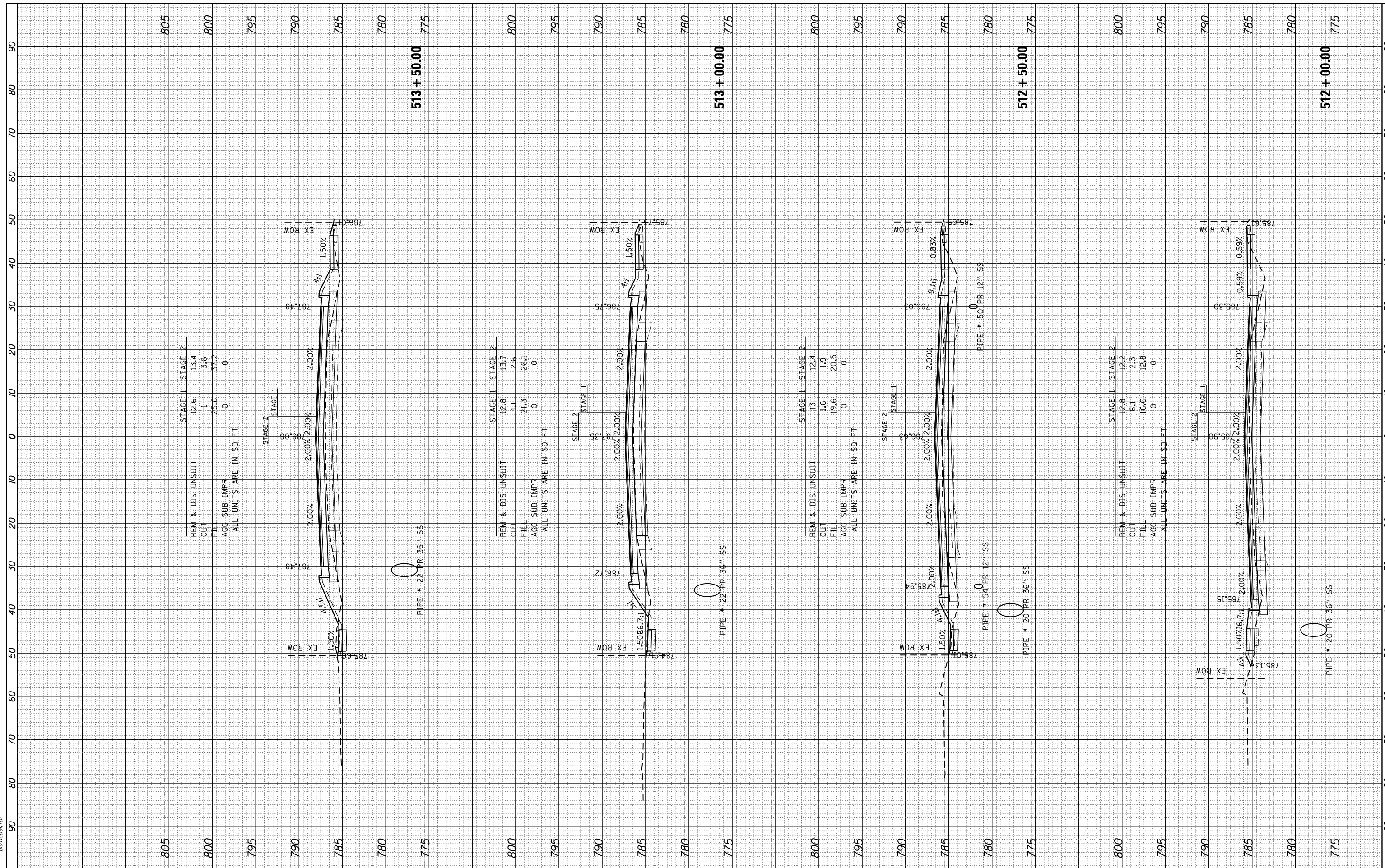


HRGreen.com
 Illinois Professional Design Firm
 #184-001322

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.: 8660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilcwf_kell19.ctb
 PEN TABLE: p01tbl.tbl



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

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 ILLINOIS ROUTE 19**

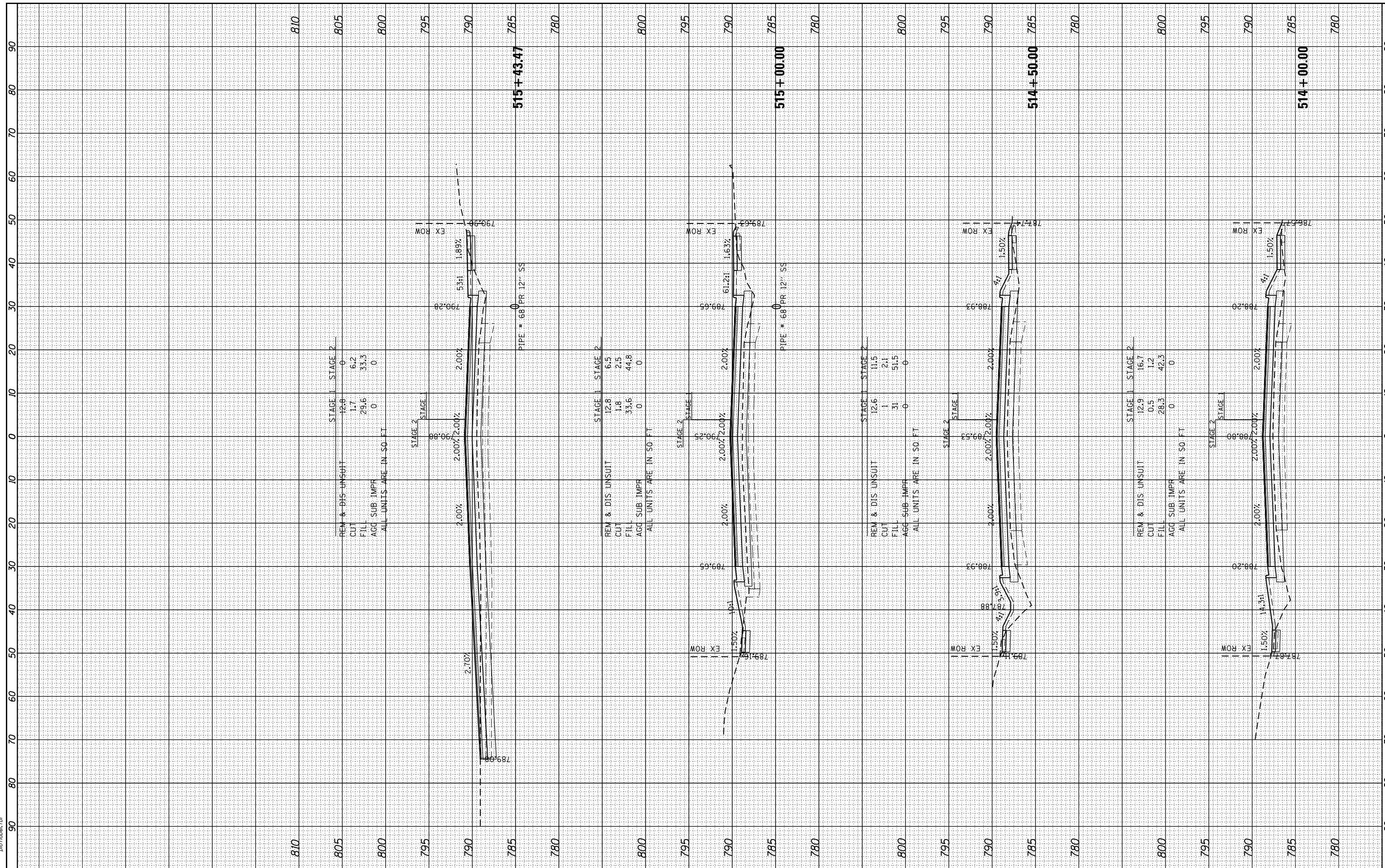
SCALE: 1"=10' SHEET 4 OF 17 SHEETS STA. 512+00.00 TO STA. 513+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	103
				CONTRACT NO. 61F41
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

HRG PROJECT NO.: 6660266
 FILE NAME: 265-wt-kell19.dgn
 PLOT DRIVER: ilcpld\hwk\cpld
 PEN TABLE: p01tbl.tbl



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 ILLINOIS ROUTE 19**

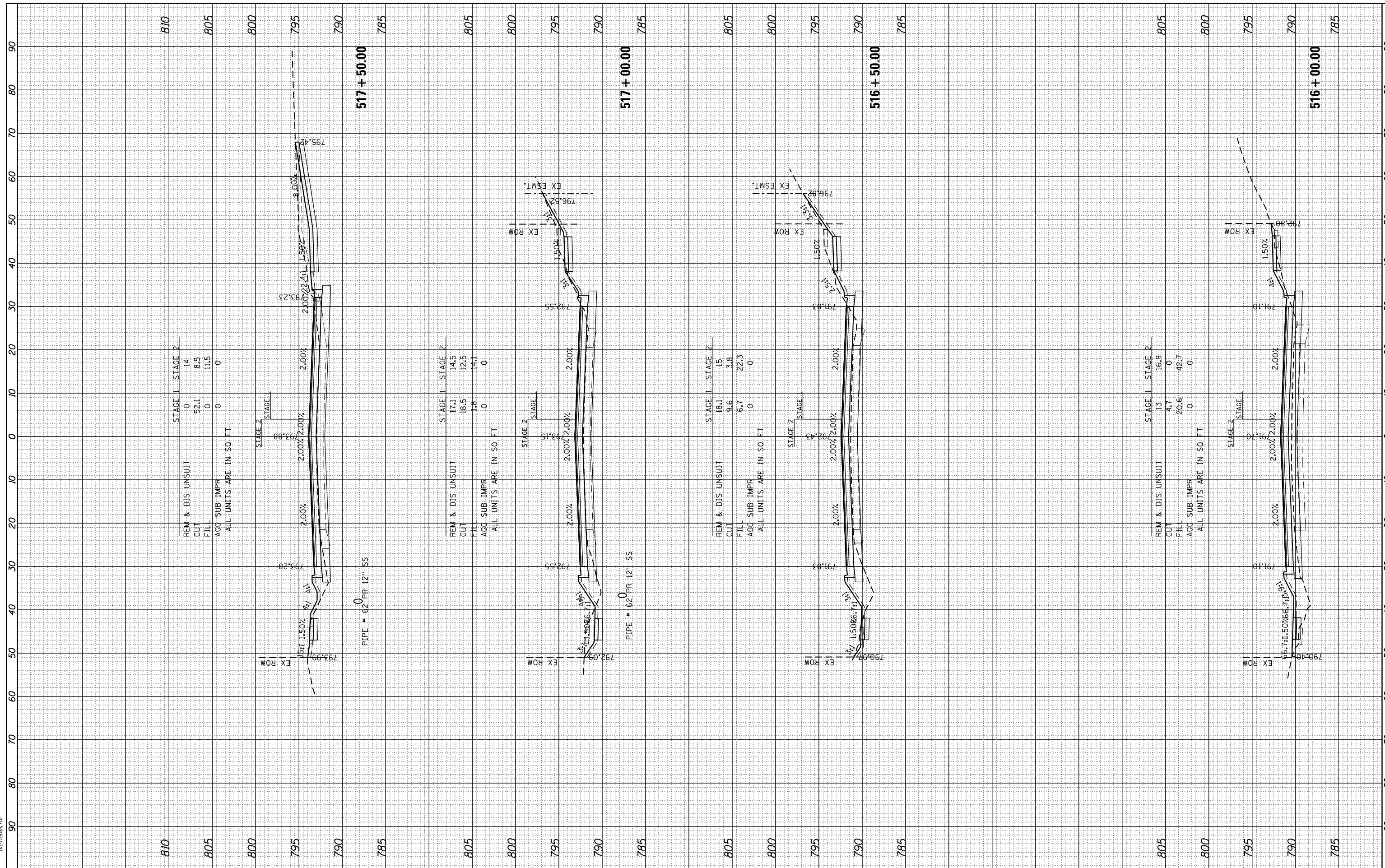
SCALE: 1"=10' SHEET 5 OF 17 SHEETS STA. 514+00.00 TO STA. 515+43.47

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	104
				CONTRACT NO. 61F41
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

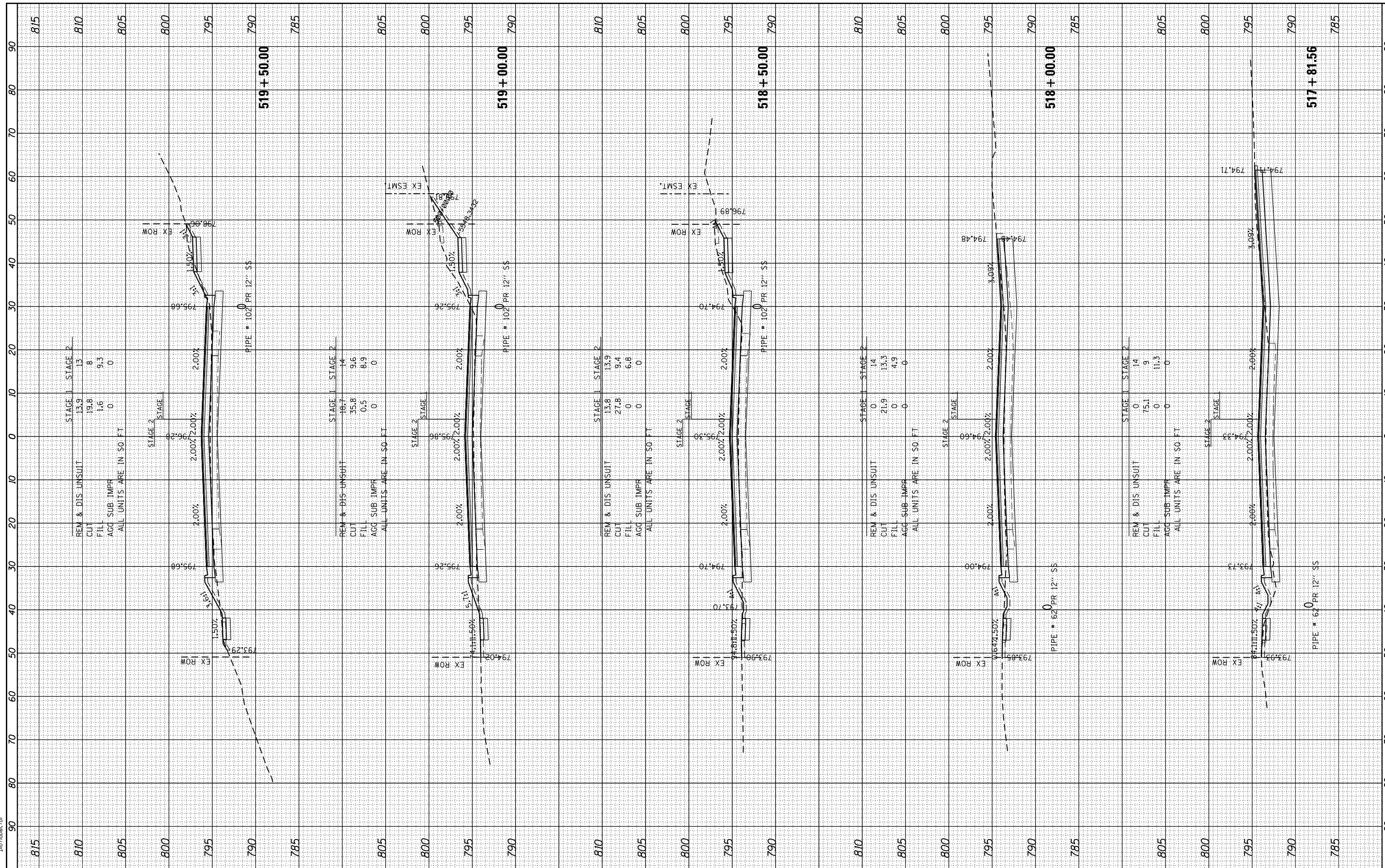
HRG PROJECT NO.: 8660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilcwf_jw.rvt
 PEN TABLE: p01tbl.tbl



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.: 8660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilcwf_jwefc19
 PEN TABLE: p01tbla.tbl



USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
ILLINOIS ROUTE 19**

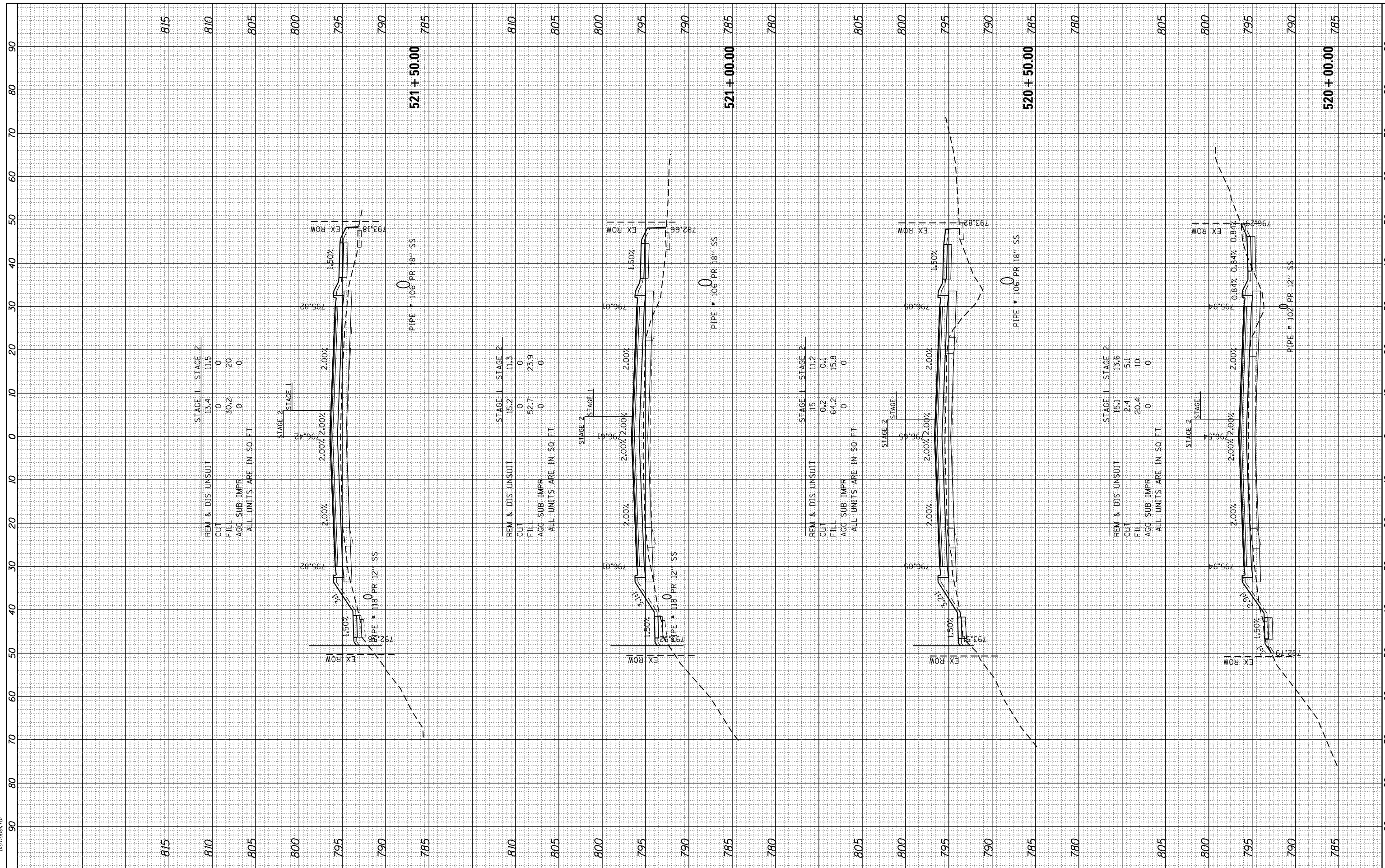
SCALE: 1"=10' SHEET 7 OF 17 SHEETS STA. 517+81.56 TO STA. 519+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	106
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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.: 6660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilcwf_kell19.ctb
 PEN TABLE: p01tbl.tbl



DESIGNED - JRM	REVISOR - XX/XX/XXXX
DRAWN - JCH	REVISOR - XX/XX/XXXX
CHECKED - TEH	REVISOR - XX/XX/XXXX
DATE - 11/15/2018	REVISOR - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
ILLINOIS ROUTE 19**

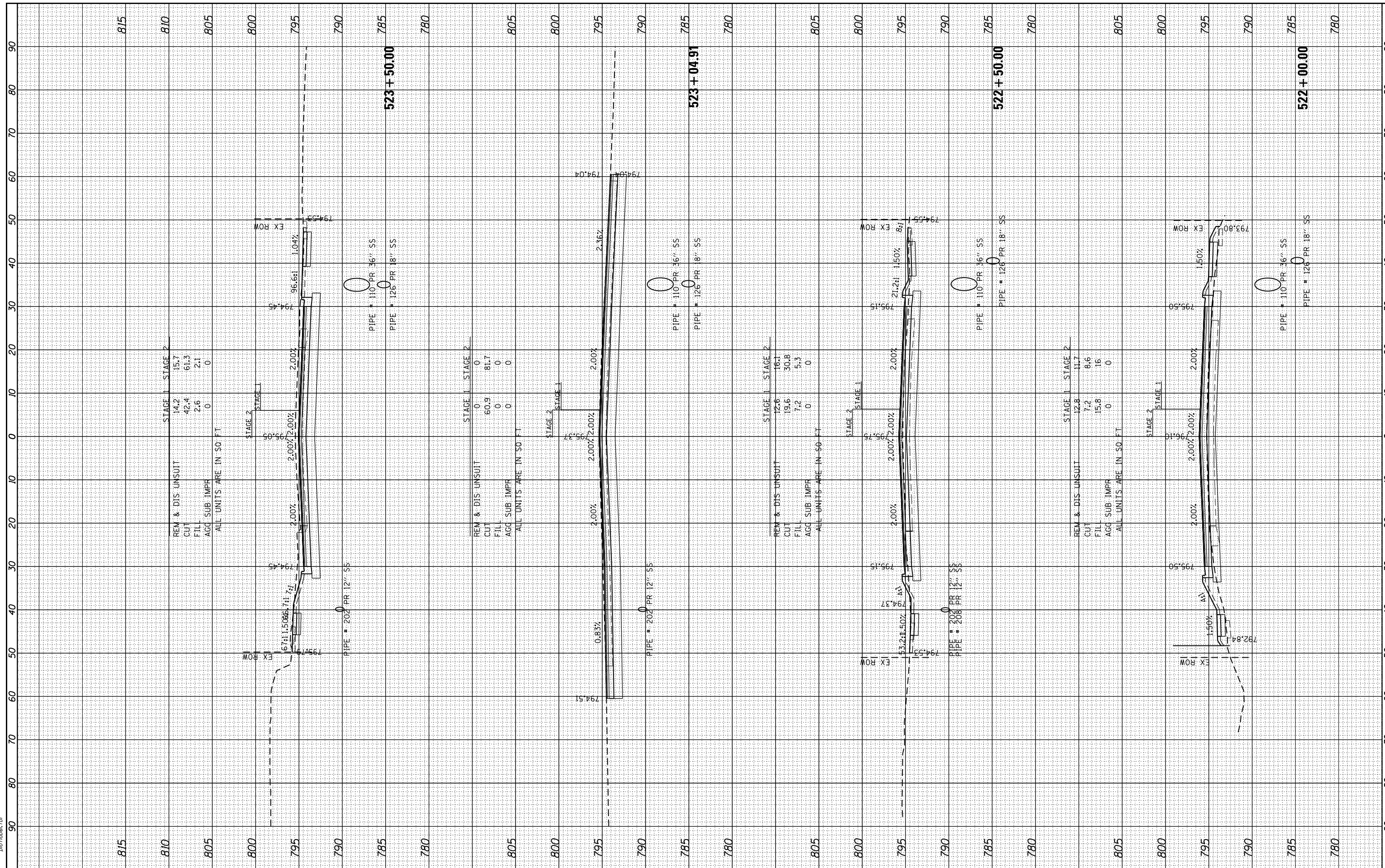
SCALE: 1"=10' SHEET 8 OF 17 SHEETS STA. 520+00.00 TO STA. 521+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	107
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

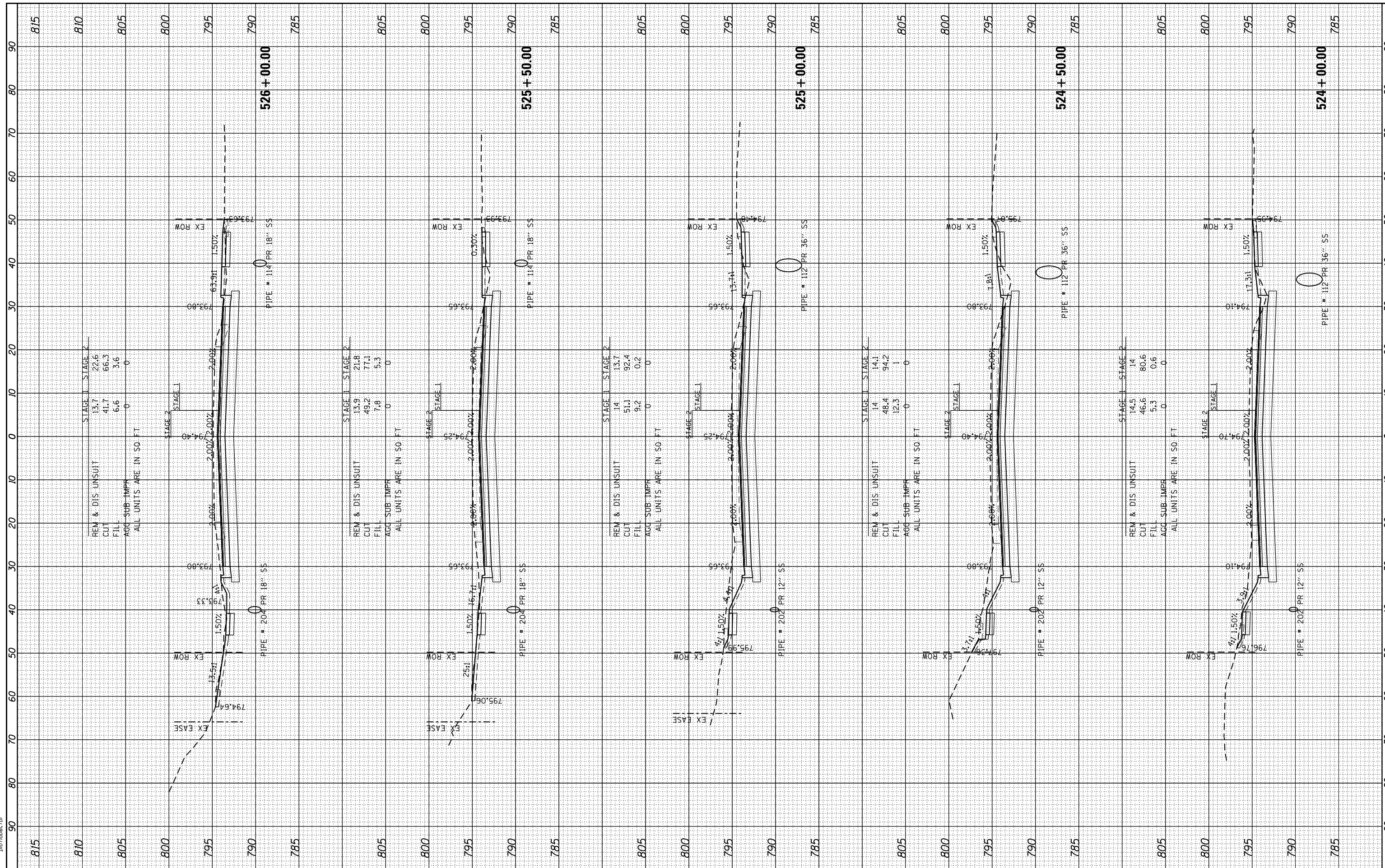
HRG PROJECT NO.: 8660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilpdfwrt.ctb
 PEN TABLE: p01tbl.tbl



FINAL SURVEY	SURVEYED	BY	DATE
PLOTTED	PLOTTED		
NOTE BOOK	TEMPLATE		
AREAS	AREAS		
CHECKED	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS	AREAS		
CHECKED	CHECKED		

HRG PROJECT NO.: 8660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilcpld_wkpld19
 PEN TABLE: p01tbla.tbl



USER NAME = jhorwt
DESIGNED - JRM
DRAWN - JCH
CHECKED - TEH
DATE - 11/15/2018

REVISIONS
REVISD - XX/XX/XXXX
REVISD - XX/XX/XXXX
REVISD - XX/XX/XXXX
REVISD - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CROSS SECTIONS
ILLINOIS ROUTE 19
SCALE: 1"=10'
SHEET 10 OF 17 SHEETS
STA. 524+00.00 TO STA. 526+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	109
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

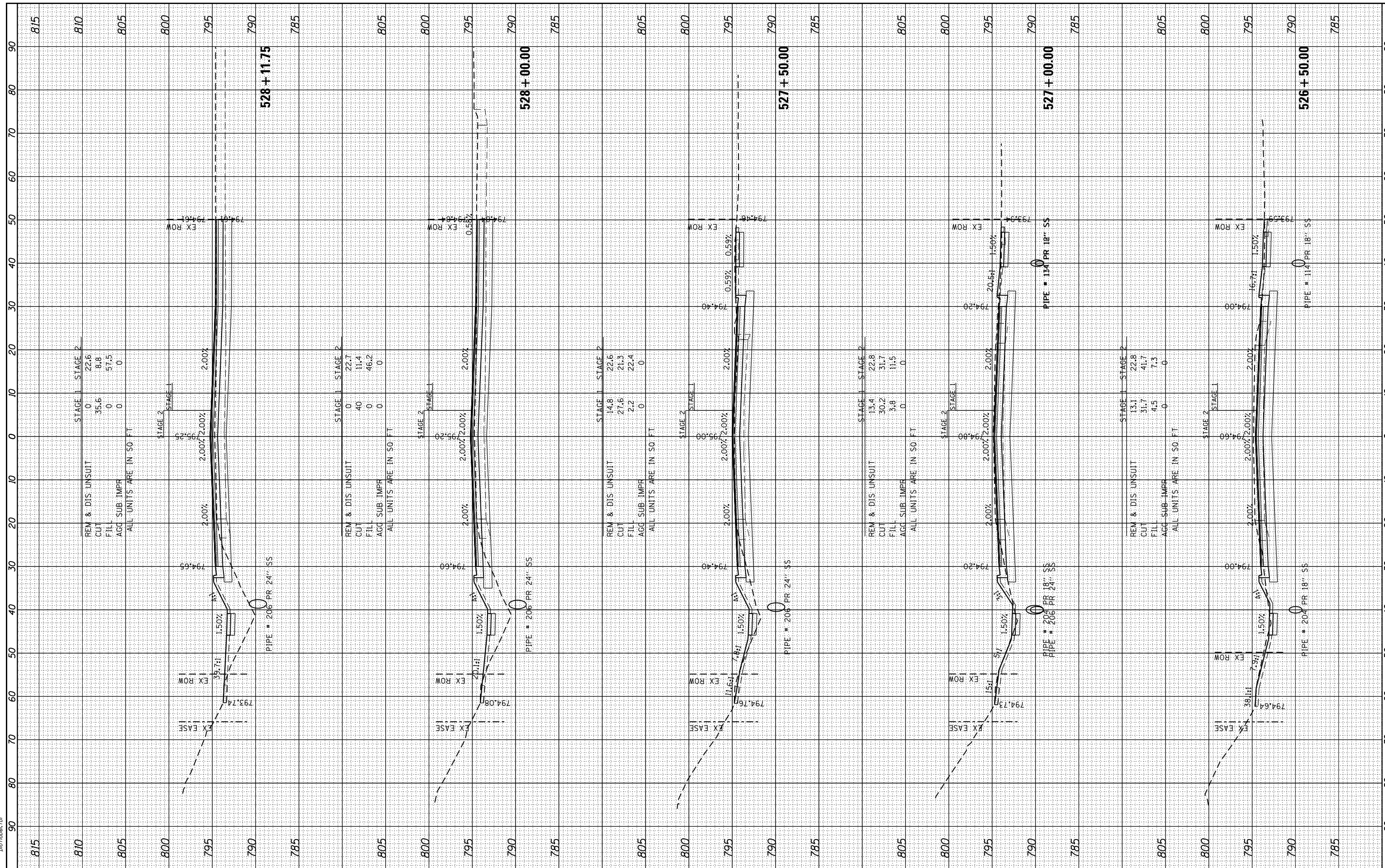


HRGreen.com
 Illinois Professional Design Firm
 #184-001322

FINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

HRG PROJECT NO.: 6660266
 FILE NAME: ACT: 265-wt-kell19.dgn
 PLOT DRIVER: ildefw.plt
 PEN TABLE: p10.tbl



USER NAME = jhorwt
DESIGNED - JRM
DRAWN - JCH
CHECKED - TEH
DATE - 11/15/2018
PLOT SCALE =
PLOT DATE = 1/4/2019

REVISIONS	REVISOR	DATE
REVISOR	DATE	
REVISOR	DATE	
REVISOR	DATE	
REVISOR	DATE	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
ILLINOIS ROUTE 19**

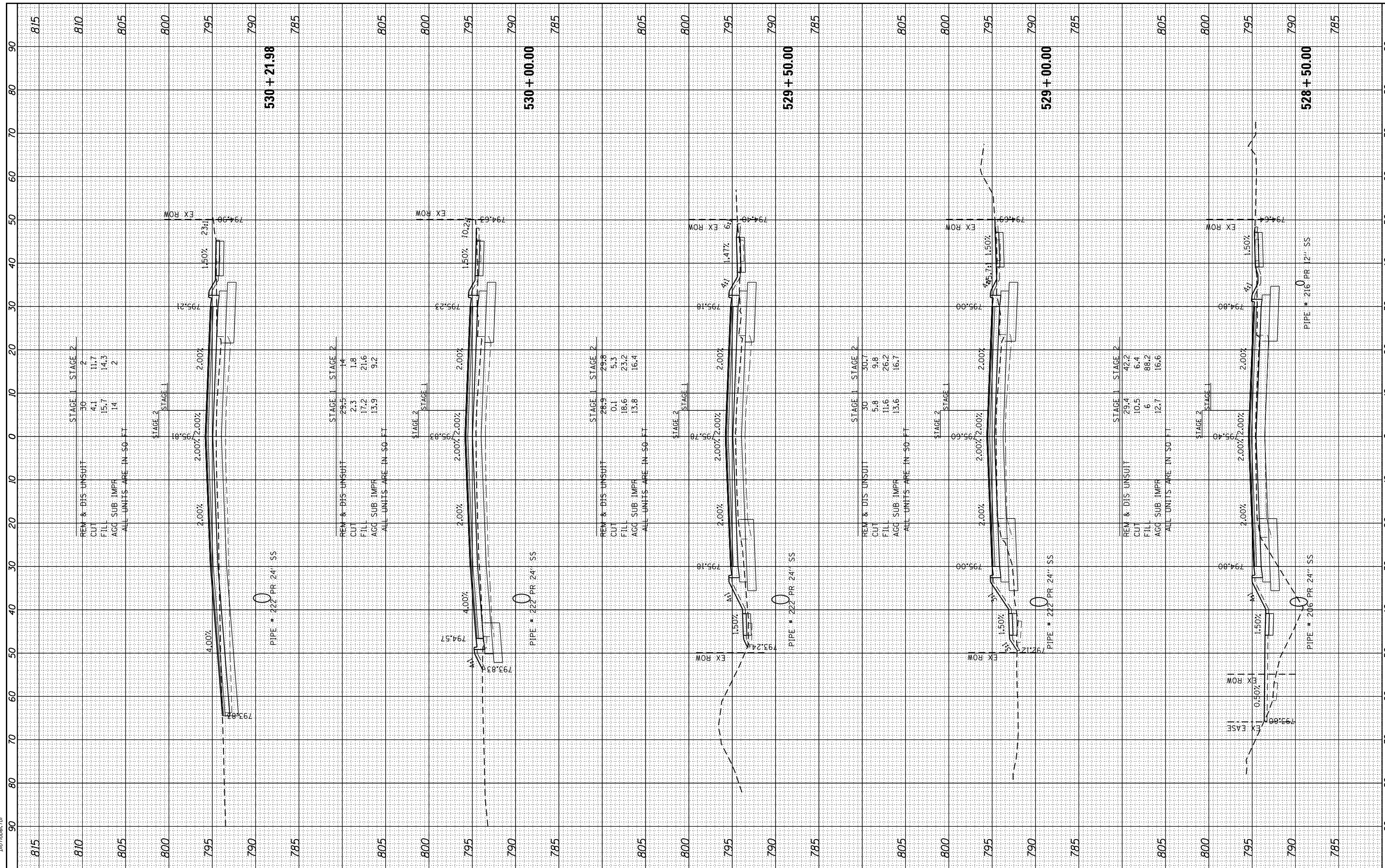
SCALE: 1"=10' SHEET 11 OF 17 SHEETS STA. 526+50.00 TO STA. 528+11.75

F.A.U. RE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	110
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8660266
 FILE NAME: 265-wt-kell19.dgn
 PLOT DRIVER: ildef.plt
 PEN TABLE: p10.tbl



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

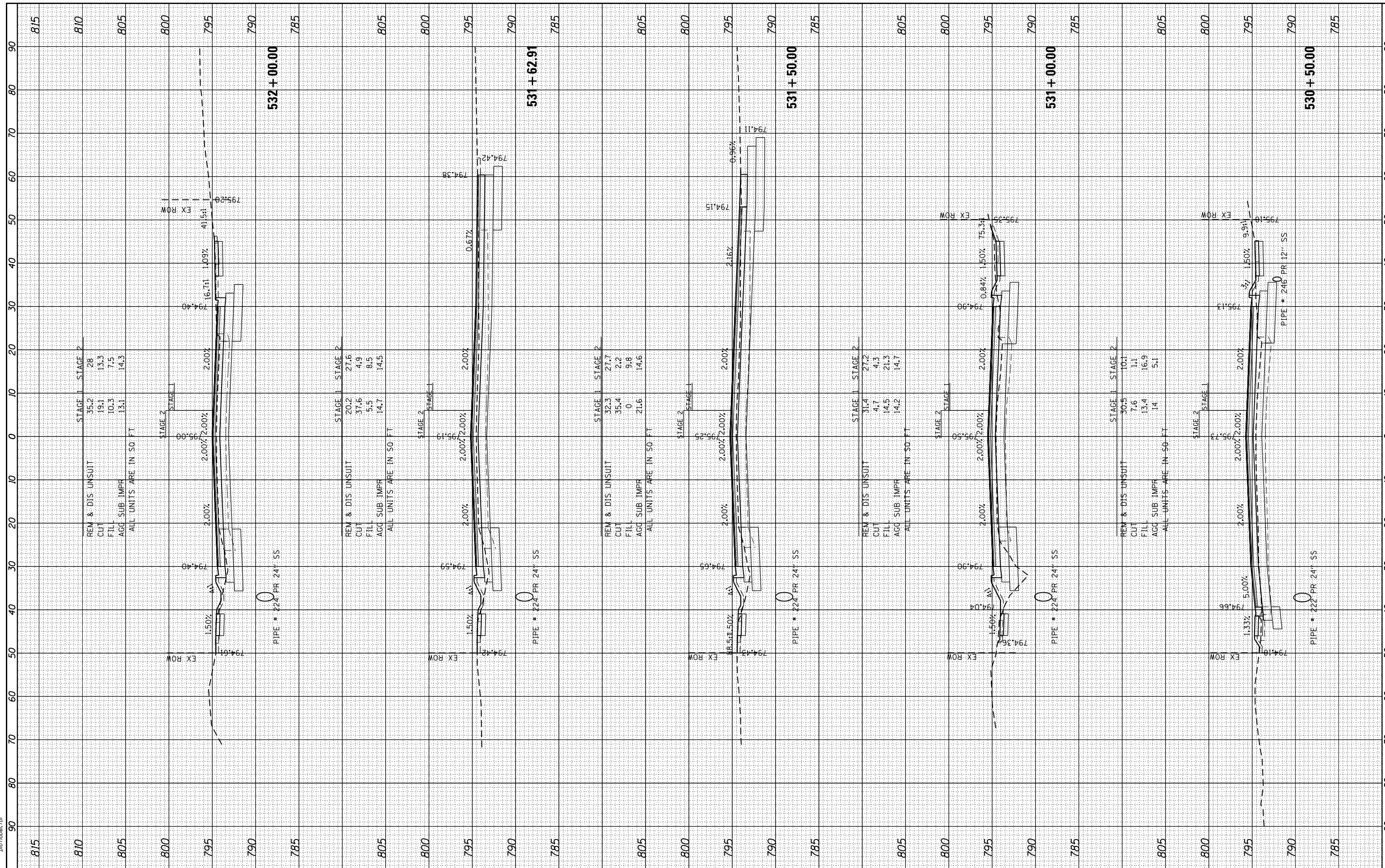
PROPOSED CROSS SECTIONS
 ILLINOIS ROUTE 19
 SCALE: 1"=10'
 SHEET 12 OF 17 SHEETS
 STA. 528+50.00 TO STA. 530+21.98

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	111
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 8660266
 FILE NAME: 265-wr-k818.dgn
 PLOT DRIVER: ilcwf_jw.rftc7g
 PEN TABLE: p01tbl.tbl



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 ILLINOIS ROUTE 19**

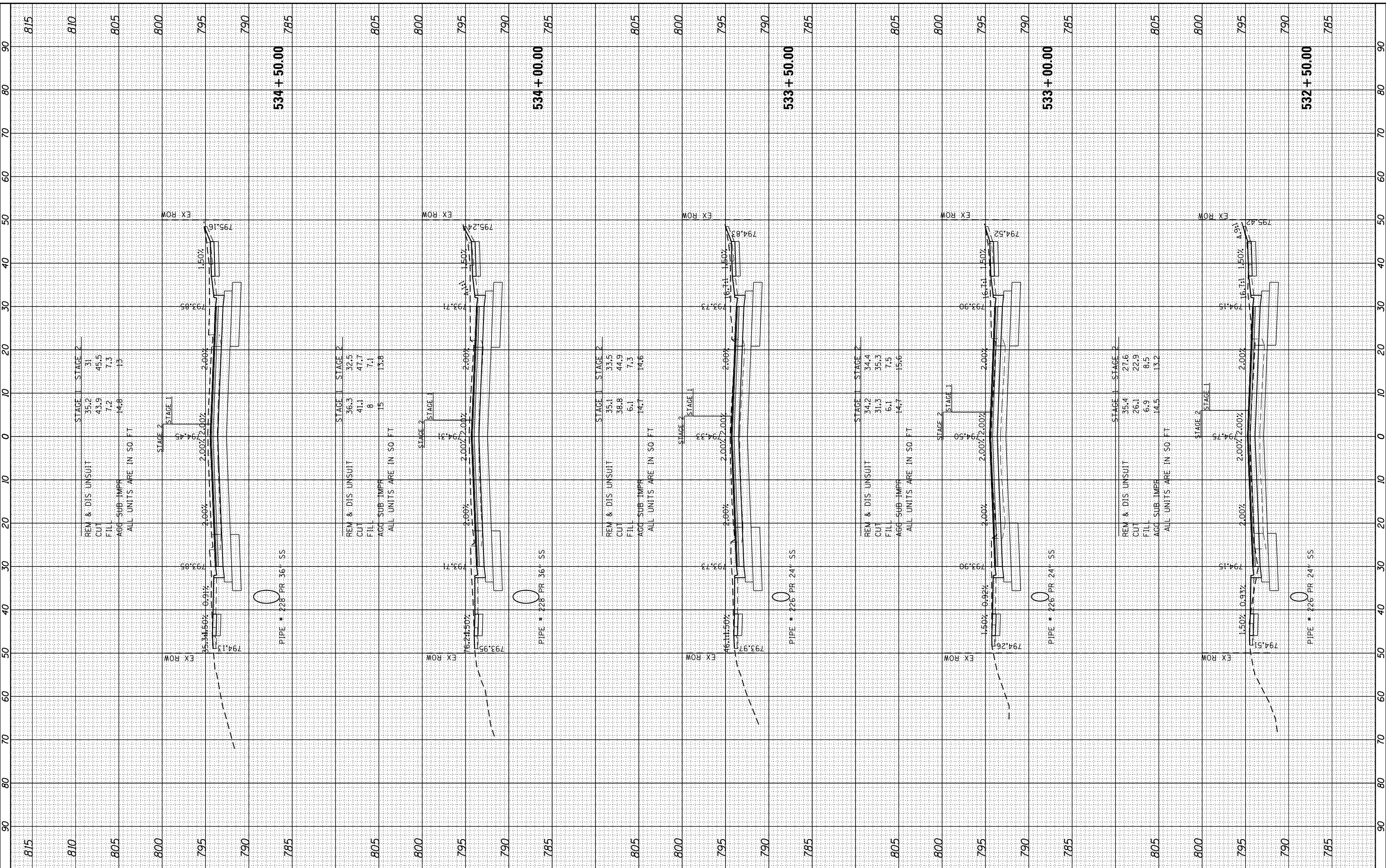
SCALE: 1"=10' SHEET 13 OF 17 SHEETS STA. 530+50.00 TO STA. 532+00.00

F.A.U. RE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	112
CONTRACT NO. 61F41				
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.: 6660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilcwf_kwefc19
 PEN TABLE: p10tbl.tbl



USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
ILLINOIS ROUTE 19**

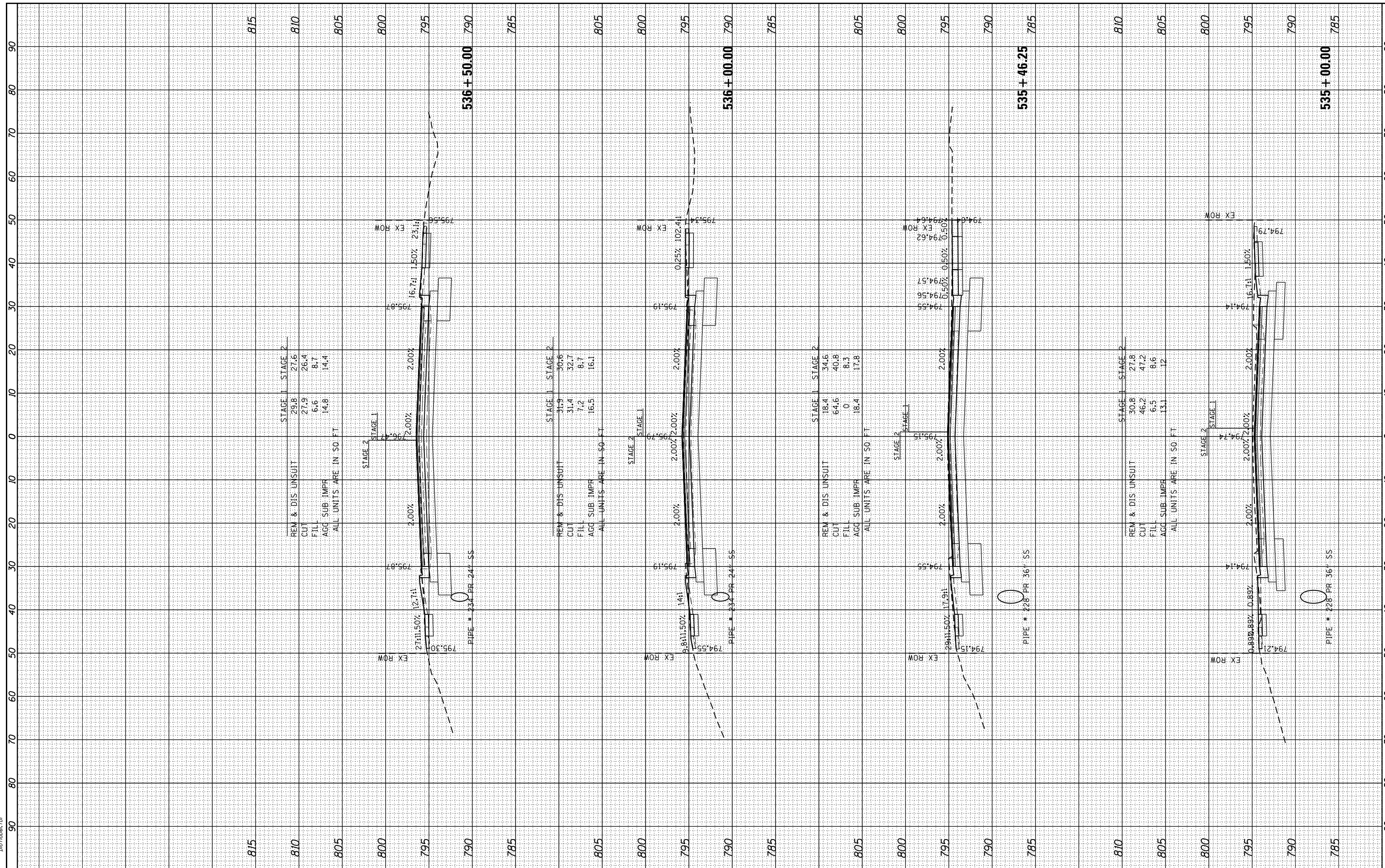
SCALE: 1"=10' SHEET 14 OF 17 SHEETS STA. 532+50.00 TO STA. 534+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	113
				CONTRACT NO. 61F41
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.: 8660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilcwf_jwefcfcg
 PEN TABLE: p01tbl.tbl



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 ILLINOIS ROUTE 19**

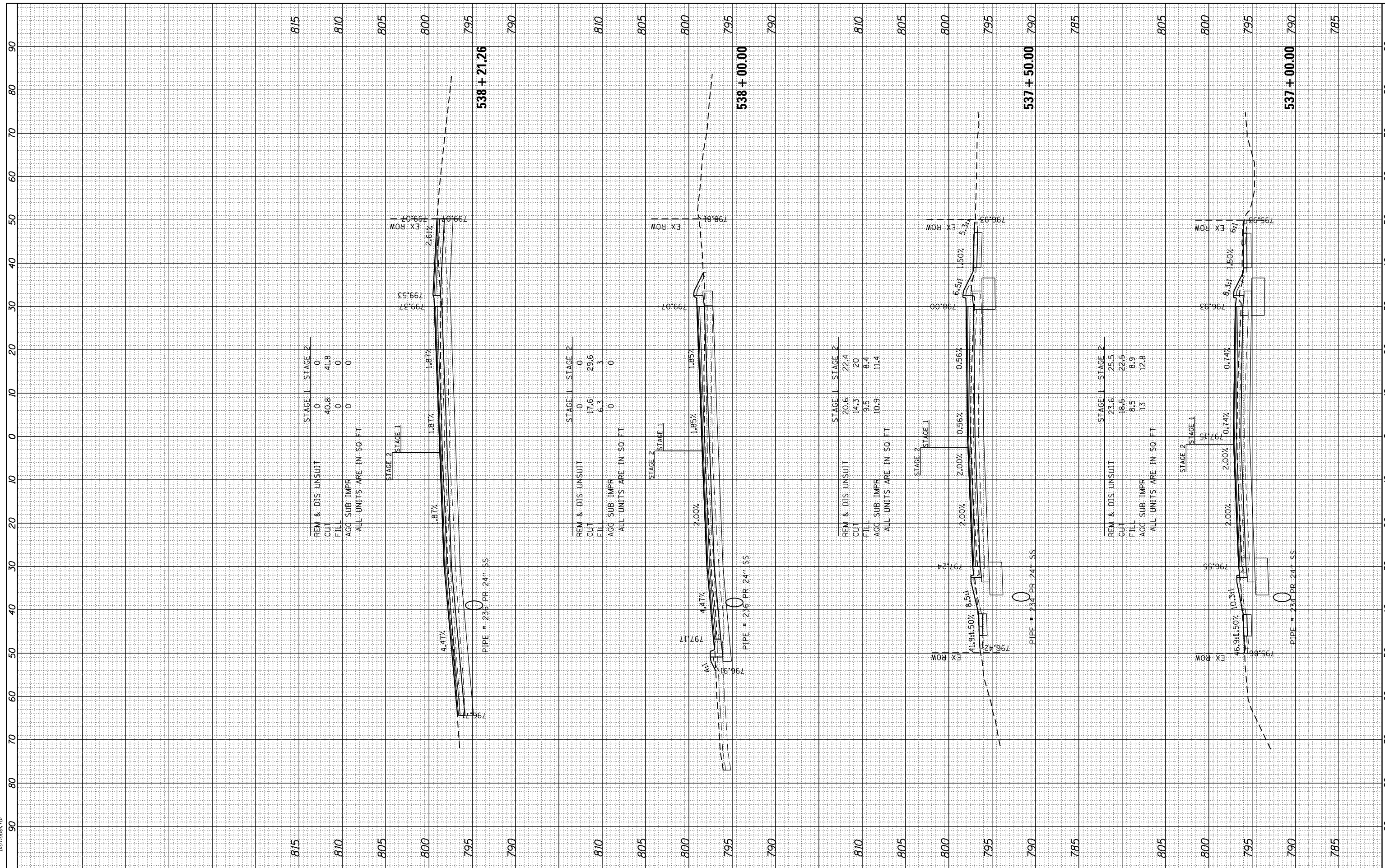
SCALE: 1"=10' SHEET 15 OF 17 SHEETS STA. 535+00.00 TO STA. 536+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	114
				CONTRACT NO. 61F41
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		

HRG PROJECT NO.: 6660266
 FILE NAME: 265-wr-kell19.dgn
 PLOT DRIVER: ilcpld\wrcpld
 PEN TABLE: p01tbl.tbl



USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

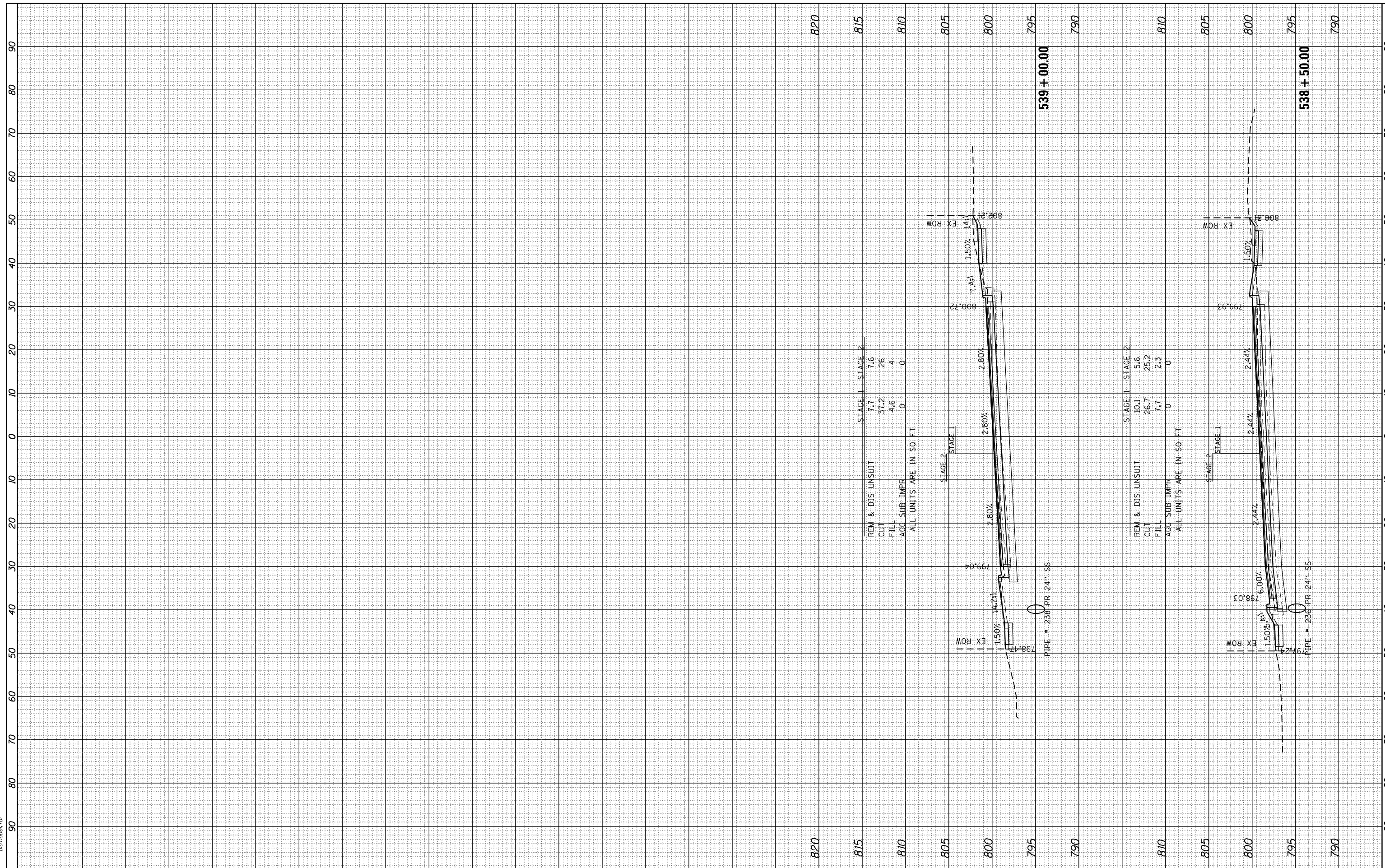
PROPOSED CROSS SECTIONS ILLINOIS ROUTE 19			
SCALE: 1"=10'	SHEET 16	OF 17 SHEETS	STA. 537+00.00 TO STA. 538+21.26

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	115
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 6660266
 FILE NAME: 265-wt-kell19.dgn
 PLOT DRIVER: ilcplf_hwkplc19
 PEN TABLE: p01tbl.tbl



STAGE 1		STAGE 2	
REM & DIS UNSUIT	7.7	7.6	
CUT	37.2	26	
FILL	4.6	4	
AGG SUB IMPR	0	0	

ALL UNITS ARE IN 50 FT

STAGE 1		STAGE 2	
REM & DIS UNSUIT	10.1	5.6	
CUT	26.7	25.2	
FILL	7.7	2.3	
AGG SUB IMPR	0	0	

ALL UNITS ARE IN 50 FT

USER NAME = jhorwt	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - TEH	REVISED - XX/XX/XXXX
PLOT DATE = 1/4/2019	DATE - 11/15/2018	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
ILLINOIS ROUTE 19**

SCALE: 1"=10' SHEET 17 OF 17 SHEETS STA. 538+50.00 TO STA. 539+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1321	10-00055-00-WR	COOK	116	116
CONTRACT NO. 61F41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				