11-09-2018 LETTING ITEM 088

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	1
	ILLINOIS	CONTRACT NO. 61F16		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR LISTING OF HIGHWAY STANDARDS, SEE SHEET NO. 3

FAU ROUTE 1076 (LOCUST ROAD)
FAU 1292 (LAKE AVENUE) to FAU 1298 (WILMETTE AVENUE)
RECONSTRUCTION
SECTION 12-00195-00-PV
PROJECT NO. DAE4(736)
VILLAGE OF WILMETTE
COOK COUNTY
JOB NO. C-91-224-13

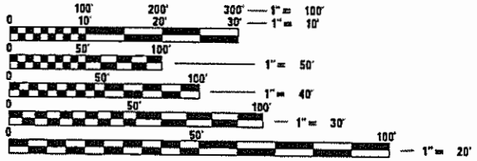


LOCATION OF SECTION INDICATED THUS:- ▬

DESIGN DESIGNATION
MINOR COLLECTOR

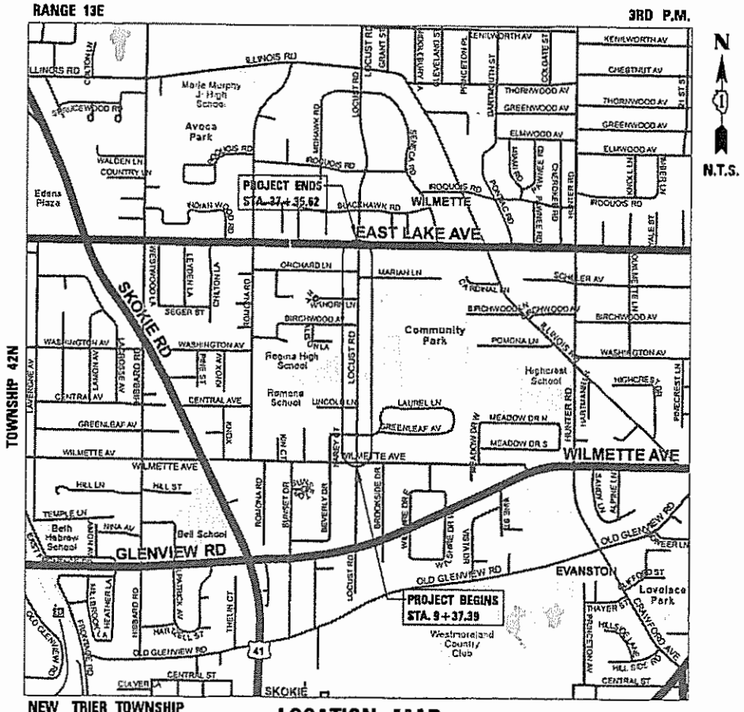
POSTED SPEED
30 M.P.H.

TRAFFIC DATA
ADT (YEAR) = 2,250 (2014)



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



LOCATION MAP
N.T.S.

GROSS LENGTH = 2,600.77 FT. = 0.50 MILE
NET LENGTH = 2,600.77 FT. = 0.50 MILE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFESSIONAL DESIGN FIRM NO.: 184-001175
EXPIRATION DATE: APRIL 30, 2019

CONTRACT NO. 61F16

PROGRAM AND OFFICE ENGINEER: CHARLES RIDDLE, P.E., SCHAUMBURG, IL

LEE M. FELL 062-053708 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

LEE M. FELL 062-053708 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

ENGINEER
LEE M. FELL
ILLINOIS REGISTRATION NO. 062-053708
EXPIRATION DATE: 11/30/18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED
DANIEL MAHLIS, PE
VILLAGE ENGINEER, VILLAGE OF WILMETTE

PASSED August 17, 2018
CHRISTOPHER HOLT
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW August 20, 2018
Anthony J. Quigley IDOT
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2018; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD; THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", SSTCI), "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2014 SEVENTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND GOVERNMENT AGENCY REGULATIONS AND RULES; AUTHORITIES HAVING JURISDICTION; OSHA REGULATIONS AND RULES; AND ANY APPLICABLE RULES AND REGULATIONS OF THE STATE OF ILLINOIS OR COOK COUNTY AGENCIES. FURTHERMORE, AND AS RELATED TO THE WORK, THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON THE SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

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 ENGINEER OR THE VILLAGE.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER, 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, AND SHALL BE AS INDICATED ON THE PLANS. ELEVATIONS SHOWN AT POINT OF CURVE, ETC. IS EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, ETC., ARE FROM THE PROPOSED BASE LINE OF CONSTRUCTION.

GENERAL NOTES

THE OWNER, THE VILLAGE OF WILMETTE SHALL BE NOTIFIED IN WRITING AT LEAST (3) FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. SPECIAL ATTENTION IS CALLED TO SECTION 105 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE PARKWAYS SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR EXISTING UTILITIES IN CONFORMANCE WITH THE AFFECTED UTILITY COMPANIES REQUIREMENTS AS MAY BE REQUIRED TO PERFORM THE WORK OF THIS CONTRACT.

BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LINE AND GRADES SHOWN ON THE CONTRACT DRAWINGS. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE OWNER PRIOR TO PERFORMING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK AS REQUIRED.

THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION.

SOIL EROSION PROTECTION SHALL BE IN ACCORDANCE WITH IEPA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. ALL DISTURBED AREAS (NOT IMPERVIOUS IN NATURE) SHALL BE FINE GRADED, TOPSOIL RESTORED (MIN. 6 INCHES) AND SEED/MULCH APPLIED UNLESS OTHERWISE SPECIFIED ON THE PLANS.

DETECTABLE WARNINGS, SIDEWALK, COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE AS DIRECTED BY ENGINEER.

ALL TRANSITIONS IN CURB HEIGHT SHALL OCCUR OVER 3 FEET ALONG CURB LINE. AT LOCATIONS WHERE CURB TERMINATES, THE LAST 1 FOOT SHALL BE DEPRESSED. DEPRESSED CURB SHALL ALSO BE AT LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

STORM SEWER

WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.

ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED, OR RECONSTRUCTED STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE ADJUSTMENT OR RECONSTRUCTION.

WHEN EXISTING DRAINAGE OR SEWERAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PUBLIC OR PRIVATE DRAINS, SEWERS, OR CATCH BASINS, HE SHALL PROVIDE FACILITIES TO TAKE ALL STORM WATER WHICH WOULD BE RECEIVED BY THESE FACILITIES AND DISCHARGE SAME. HE SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT 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 PERMANENT CONNECTIONS WITH SEWERS ARE CONSTRUCTED AND IN SERVICE.

DRAINAGE STRUCTURES CONSTRUCTED OVER EXISTING STORM SEWER SHALL INCLUDE THE REMOVAL OF THE NECESSARY PORTION OF THE STORM SEWER.

ALL PROPOSED STORM SEWER CONNECTIONS SHALL INCLUDE BOOTS AROUND THE PROPOSED PIPE AND ALL STORM CONNECTIONS TO EXISTING MANHOLES SHALL BE GROUTED.

ALL EXISTING STORM STRUCTURES SHALL HAVE THE BENCHES CLEANED AND REPOURED PER THE ENGINEER, WHICH SHALL BE PAID FOR AS DRAINAGE STRUCTURES TO BE REHABILITATED.

ALL EXISTING STORM AND SANITARY SEWERS WITHIN THE PROJECT LIMITS SHALL BE TELEVISED PRE- AND POST-CONSTRUCTION.

ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR.

ALL SEWER AND WATER SERVICES CROSSED BY NEW SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE DONE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR.

MISCELLANEOUS

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OF SURFACE COURSE, UNLESS OTHERWISE INDICATED.

ANY EXISTING PAVEMENT DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION SHALL BE REPLACED/REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

A NOMINAL QUANTITY OF TEMPORARY SIDEWALK HAS BEEN ADDED TO THE CONTRACT FOR USE BY THE ENGINEER IN THE FIELD.

JOB SITE DAILY CLEANUP: THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK AREA AT THE END OF EACH DAY. ALL MATERIALS NOT NEEDED FOR THE CONSTRUCTION PROCESS SHALL BE REMOVED FROM THE WORK AREAS. THIS INCLUDES, BUT IS NOT LIMITED TO: OLD VAULTS, PIPING, OLD CABLES, REMOVED PAVEMENT, WOOD SCRAPS, OLD CURB & GUTTER, PAINT CANS, LITTER, BROKEN TREE BRANCHES, ETC. FAILURE TO MAINTAIN A CLEAN WORK AREA AT THE END OF EACH DAY AND TO THE SATISFACTION OF THE ENGINEER WILL RESULT IN A PENALTY OF $500.00 PER INCIDENT. THIS ALSO INCLUDES ALL WORK COVERED UNDER THE "MAINTENANCE OF ROADWAYS" DISTRICT 1 SPECIAL PROVISION.

THE SLURRY RESULTING FROM SAW-CUTTING WORK SHALL BE IMMEDIATELY WASHED AWAY USING WATER TO PREVENT TRACKING BY VEHICLES OR PEDESTRIANS TO THE SATISFACTION OF THE ENGINEER.

ALL BACKFILL OF OPEN TRENCHES WITHIN THE COOK COUNTY R.O.W. (EAST LAKE AVENUE) SHALL BE FA-6 TRENCH BACKFILL.

NEW PCC CURB AND GUTTER WITHIN COOK COUNTY R.O.W. (EAST LAKE AVENUE) SHALL BE AS DEEP AS THE ADJACENT PAVEMENT LAYER (12" MINIMUM FOR HMA PAVEMENT) AND PLACED OVER A 12" LAYER OF AGGREGATE SUBGRADE IMPROVEMENT. SUBGRADE SHALL EXTEND 1 FOOT BEHIND THE BACK OF CURB.

ALL NEW AND EXISTING SEWERS INCLUDING ALL MANHOLES, CATCH BASINS AND INLETS AFFECTED BY CONSTRUCTION MUST BE TELEVISED AND CLEARED OF DEBRIS BEFORE PAVEMENT RESTORATION. THE VILLAGE MUST REVIEW AND APPROVE THE CONDITION OF THE SEWERS BEFORE THE CONTRACTOR PERFORMS PAVEMENT RESTORATION. THE CONTRACTOR SHALL TELEVISE ALL NEW SEWER PIPING INCLUDING ALL JOINTS AND SERVICE CONNECTIONS AND ALL EXISTING SEWERS BEING WORKED ON OR TIED INTO INCLUDING THE LENGTH OF SEWER TO THE NEXT DOWNSTREAM MANHOLE. PAYMENT FOR SEWER WORK WILL NOT BE ISSUED UNTIL A FINAL VIDEO INSPECTION IS PROVIDED.

NEW CURB SHALL BE SAW CUT EVERY 25' AND ALL CRACKS WHICH DEVELOP IN THE NEW CURB AND GUTTER SHALL BE SAW-CUT AND SEALED BY THE CONTRACTOR WITH AN APPROVED POLYSULFIDE SEALER. THE CONTRACTOR MAY SAWCUT THE DAY THE FORMS ARE REMOVED.

ONLY PRECAST CONCRETE ADJUSTMENT RINGS WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET, AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.

CONTRACTOR MUST DO A SIGN INVENTORY FOR ALL SIGNS TO BE REMOVED AND REPLACED BEFORE CONSTRUCTION AND CONCLUSION OF PROJECT.

THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS ADVANCE NOTICE OF ALL WORK ON SATURDAYS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACTOR SHALL BE AWARE THAT THERE ARE EXISTING LAWN SPRINKLER SYSTEMS LOCATED IN PUBLIC RIGHT-OF-WAY. IF A SPRINKLER SYSTEM IS LOCATED BETWEEN THE EXISTING SIDEWALK AND THE PROPOSED BACK OF CURB, PROTECTION OF SYSTEM SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK INVOLVING THE SPRINKLER SYSTEMS WITH THE OWNERS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL OF ANY RELOCATIONS OR REPAIRS FROM THE OWNERS PRIOR TO FINAL PAYMENT.

ALL EXISTING AREAS DISTURBED BY THE CONSTRUCTION OPERATIONS SHALL BE SODDED AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT PEDESTRIAN/ADA ACCESS IS MAINTAINED ON AT LEAST ONE SIDE OF THE ROADWAY DURING CONSTRUCTION AT ALL TIMES.

TREE PROTECTION AND TEMPORARY CONSTRUCTION FENCE LIMITS SHALL BE APPROVED BY THE ENGINEER.

MAINTENANCE OF LIGHTING SYSTEM - EFFECTIVE THE DATE THE CONTRACTOR'S ACTIVITIES (ELECTRICAL OR OTHERWISE) AT THE JOB SITE BEGIN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER OPERATION AND MAINTENANCE OF ALL EXISTING AND PROPOSED LIGHTING SYSTEMS WHICH ARE PART OF, OR WHY MAY BE AFFECTED BY THE WORK UNTIL FINAL ACCEPTANCE OR AS OTHERWISE DETERMINED BY THE ENGINEER.

BEFORE PERFORMING ANY EXCAVATION, REMOVAL, OR INSTALLATION WORK (ELECTRICAL OR OTHERWISE) AT THE SITE, THE CONTRACTOR SHALL INITIATE A REQUEST FOR A MAINTENANCE TRANSFER AND PRECONSTRUCTION INSPECTION, TO BE HELD IN THE PRESENCE OF THE ENGINEER AND A REPRESENTATIVE OF THE PARTY OR PARTIES RESPONSIBLE FOR MAINTENANCE OF ANY LIGHTING SYSTEMS WHICH MAY BE AFFECTED BY THE WORK. THE REQUEST FOR THE MAINTENANCE PRECONSTRUCTION INSPECTION SHALL BE MADE NO LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE DESIRED INSPECTION DATE.

IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO CONFIRM AND ASCERTAIN THE EXACT CONDITION OF THE ELECTRICAL EQUIPMENT AND SYSTEMS TO BE MAINTAINED.

WATER MAIN

WHEN IT IS NECESSARY TO SHUT OFF A WATER MAIN, THE CONTRACTOR SHALL PROVIDE THE VILLAGE'S PUBLIC WORKS DEPARTMENT (AT 847-823-7500)A MINIMUM 48-HOUR ADVANCE NOTICE. THE CONTRACTOR WILL NOT BE ALLOWED TO EXERCISE OR OPERATE ANY VILLAGE WATER MAIN VALVES.

THE CONTRACTOR MUST OBTAIN A FIRE HYDRANT PERMIT FROM THE VILLAGE IN ORDER TO OBTAIN ACCESS TO MUNICIPAL WATER. THE CONTRACTOR WILL BE REQUIRED TO SUPPLY THEIR OWN RPZ BACKFLOW PREVENTOR WHEN ACCESSING MUNICIPAL WATER.

THE CONTRACTOR SHALL NOTIFY THE WATER/SEWER SUPERVISOR, MATT OVEREEM, AT (847) 853-7582 48-HOURS PRIOR TO ANY FIRE HYDRANT OR WATER MAIN WORK.

LAKE AVENUE TRAFFIC CONTROL NOTE FOR PROPOSED WATER MAIN WORK:
A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY NOTES:

1. ALL PEDESTRIAN PUSH-BUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS.
2. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
3. COORDINATION BETWEEN THE ELECTRIAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT (312) 603-1730.
4. IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "PEDESTRIAN PUSH-BUTTON".
5. THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
6. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
7. FOR THE LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".
8. RESTORATION SHALL BE DONE WITH 4" TOPSOIL, FERTILIZER, AND SOD FOR ALL DISTURBED AREAS.
9. ADA CURB RAMPS SHALL RUN THROUGH CENTER OR BEHIND THE EXISTING POLE/POST CONCRETE FOUNDATIONS WHICH HAVE PEDESTRIAN PUSH-BUTTONS.

FILE NAME = N:\wilmette\170224\Civil\002_NOT_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	2
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
   * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * VILLAGE OF WILMETTE MUNICIPAL CODE;
   * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
   * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
2. THE VILLAGE OF WILMETTE ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
7. MATERIAL AND COMPACTION TESTING OF TRENCH BACKFILL SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
    a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
    b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
    c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING COUPLINGS APPROVED BY THE ENGINEER TO HOLD IT FIRMLY IN PLACE.
12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
   a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
   b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
12. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
13. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
14. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
15. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
16. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
17. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
18. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
19. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
20. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
21. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
22. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
23. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
24. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2–3	GENERAL NOTES
4–6	SUMMARY OF QUANTITIES
7–8	TYPICAL SECTIONS
9	EARTHWORK SCHEDULE
10	ALIGNMENT, TIES, AND BENCHMARKS
11–13	EXISTING CONDITIONS AND REMOVAL PLANS
14–18	PROPOSED ROADWAY PLANS AND PROFILES
19	MAINTENANCE OF TRAFFIC – DETOUR ROUTE
20	MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS AND NOTES
21–29	MAINTENANCE OF TRAFFIC – STAGING PLANS
30–32	SOIL EROSION / SEDIMENT CONTROL PLANS
33	SOIL EROSION / SEDIMENT CONTROL NOTES AND DETAILS
34–38	PROPOSED STORM SEWER PLANS AND PROFILES
39–43	PROPOSED WATER MAIN PLANS AND PROFILES
44–49	ADA RAMPS GRADING PLANS
50–52	PROPOSED STRIPING AND SIGNING PLANS
53	LIGHTING GENERAL NOTES AND QUANTITIES
54–58	PROPOSED LIGHTING PLAN
59–61	LIGHTING DETAILS
62–67	CONSTRUCTION DETAILS
68–69	EXISTING TRAFFIC SIGNAL DETAILS
70	STORM SEWER CONNECTION TO EXISTING SEWER (BD–07)
71	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD–08)
72	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD–22)
73	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD–24)
74	BUTT JOINT AND HMA TAPER DETAILS (BD–32)
75	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC–10)
76	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC–13)
77–81	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS–05)
82–109	CROSS SECTIONS

IDOT STANDARDS

000001–06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001–07	TEMPORARY EROSION CONTROL SYSTEMS
424001–10	PERPENDICULAR CURB RAMP FOR SIDEWALKS
424016–04	MID–BLOCK CURB RAMP FOR SIDEWALKS
424021–04	DEPRESSED CORNER FOR SIDEWALKS
442101–08	CLASS B PATCHES
442201–03	CLASS C AND D PATCHES
601001–05	PIPE UNDERDRAINS
602001–02	CATCH BASIN, TYPE A
602301–04	INLET – TYPE A
602411–06	PRECAST MANHOLE TYPE A 7' DIAMETER
602416–06	PRECAST MANHOLE TYPE A 8' DIAMETER
602421–06	PRECAST MANHOLE TYPE A 9' DIAMETER
602406	PRECAST MANHOLE TYPE A 10' DIAMETER
602506	PRECAST VALVE VAULT TYPE A 5' DIAMETER
602601–05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701–02	MANHOLE STEPS
604001–04	FRAME AND LIDS TYPE 1
606001–07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006–05	OFF–RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101–05	OFF–RD 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
701427–05	LANE CLOSURE, MULTILANE, INTERMITTEN OR MOVING OPER., FOR SPEEDS 40 MPH OR LESS
701501–06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601–09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606–10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611–01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701–10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801–06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901–07	TRAFFIC CONTROL DEVICES
720001–01	SIGN PANEL MOUNTING DETAILS
720006–04	SIGN PANEL ERECTION DETAILS
729001–01	APPLICATIONS OF TYPES A&B METAL POSTS (FOR SIGNS AND MARKERS)
780001–05	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
886001–01	DETECTOR LOOP INSTALLATIONS

DISTRICT ONE STANDARDS

BD–07	STORM SEWER CONNECTION TO EXISTING SEWER
BD–08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD–22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD–24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD–32	BUTT JOINT AND HMA TAPER DETAILS
TC–10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC–13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TS–05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

TECHNICAL GUIDANCE MANUAL — 07/12/2016

MWRD GENERAL NOTES — STD. DWG. NO.18 — PAGE NO. 19

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MWRD GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	3
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	PROJECT TOTAL	CONST. CODE 0004 STU (70/30) (ROADWAY RECONSTRUCTION)	CONST. CODES 0021/0043 100% LOCAL (LIGHTING AND WATER MAIN)
					TOTAL QUANTITY	TOTAL QUANTITY	TOTAL QUANTITY
	*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	50	50	
	*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	75	75	
	*	20101100	TREE TRUNK PROTECTION	EACH	81	81	
~	*	20101200	TREE ROOT PRUNING	EACH	20	20	
	*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	20	20	
	*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	20	20	
	*	20101700	SUPPLEMENTAL WATERING	UNIT	100	100	
		20200100	EARTH EXCAVATION	CU YD	4,000	4,000	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,000	2,000	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	6,000	6,000	
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	500	500	
		21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	150	150	
	*	25200110	SODDING, SALT TOLERANT	SQ YD	8,000	7,500	500
		28000510	INLET FILTERS	EACH	45	45	
~		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	2,000	2,000	
		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	11,000	11,000	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6,000	6,000	
		40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	30	30	
		40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	30	30	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	900	900	
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	4,500	4,500	
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,350	1,350	
		40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	60	60	
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	600	600	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	35,000	35,000	
		42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	3,000	3,000	
~		42400800	DETECTABLE WARNINGS	SQ FT	450	450	
~		44000100	PAVEMENT REMOVAL	SQ YD	11,300	11,300	
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,325	1,325	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,250	1,250	
		44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	6,250	6,250	
		44000600	SIDEWALK REMOVAL	SQ FT	25,000	25,000	
		44200926	CLASS B PATCHES, TYPE IV, 7 INCH	SQ YD	200	200	
		44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	50	50	
		44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	50	50	
		44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	50	50	
		44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	200	200	
		550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	375	375	
		550A0210	STORM SEWERS, CLASS A, TYPE 1, 60"	FOOT	1,200	1,200	
		550A0500	STORM SEWERS, CLASS A, TYPE 2, 60"	FOOT	160	160	
		55100300	STORM SEWER REMOVAL 8"	FOOT	175	175	
		55100400	STORM SEWER REMOVAL 10"	FOOT	100	100	
		55100500	STORM SEWER REMOVAL 12"	FOOT	100	100	
		55101200	STORM SEWER REMOVAL, 24"	FOOT	540	540	
		55101400	STORM SEWER REMOVAL 30"	FOOT	640	640	
~	*	56102900	DUCTILE IRON WATER MAIN, 4"	FOOT	35		35
~	*	56103000	DUCTILE IRON WATER MAIN, 6"	FOOT	160		160
~	*	56103100	DUCTILE IRON WATER MAIN, 8"	FOOT	3,195		3,195
~	*	56103300	DUCTILE IRON WATER MAIN, 12"	FOOT	20		20
~	*	56104800	WATER VALVES, 4"	EACH	2		2
~	*	56104900	WATER VALVES, 6"	EACH	4		4
~	*	56105000	WATER VALVES, 8"	EACH	13		13

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
SUMMARY OF QUANTITIES

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

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SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	PROJECT TOTAL TOTAL QUANTITY	CONST. CODE 0004 STU (70/30) (ROADWAY RECONSTRUCTION) TOTAL QUANTITY	CONST. CODES 0021/0043 100% LOCAL (LIGHTING AND WATER MAIN) TOTAL QUANTITY
~	*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	6		6
~	*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7		7
		60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	800	800	
~		60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12	
~		60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
~		60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4	
~		60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	27	27	
~		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	16	16	
~		60249000	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	20		20
	*	66400305	CHAIN LINK FENCE, 6'	FOOT	1,000	1,000	
		67100100	MOBILIZATION	L SUM	1	0.5	0.5
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3,775	3,775	
		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	200	200	
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3,600	3,600	
		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,650	1,650	
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,600	1,600	
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	300	300	
		70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	100	100	
		70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	10,000	10,000	
		70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	1,600	1,600	
		70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	300	300	
	*	72000100	SIGN PANEL - TYPE 1	SQ FT	100	100	
	*	72900100	METAL POST - TYPE A	FOOT	150	150	
	*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	100	100	
	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,000	2,000	
	*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,600	1,600	
	*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,600	1,600	
	*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	300	300	
	*	78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	150	150	
	*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1
	*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	50		50
	*	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	610		610
	*	81028730	UNDERGROUND COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	5,100		5,100
	*	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	2		2
	*	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	22,000		22,000
	*	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	250		250
	*	84500110	REMOVE EXISTING LIGHTING CONTROLLER	EACH	1		1
~	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
~	*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	125	125	
~	*	88600100	DETECTOR LOOP, TYPE I	FOOT	150	150	
	*	89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1		1
~	*	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4	4	
	*	89502300	REMOVE EXISTING CABLE FROM CONDUIT	FOOT	500		500
	*	89502380	REMOVE EXISTING HANDHOLE	EACH	2		2
~	*	X0325207	TELEVISION INSPECTION OF SEWER	FOOT	6,250		6,250
~	*	X0325714	FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	2	2	
~		X0326862	STRUCTURES TO BE ADJUSTED	EACH	10	10	
~		X0327576	TEMPORARY PATCHING	SQ YD	750	250	500

FILE NAME = N:\wilmette\170224\Civil\003e_SOO_LOCUST_02.SHT	USER NAME = jhousch	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCUST ROAD SUMMARY OF QUANTITIES
	PLOT SCALE = 20'	DRAWN -	REVISED -		
Default	PLOT DATE = 9/19/2018	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
		DATE -	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	5
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	PROJECT TOTAL TOTAL QUANTITY	CONST. CODE 0004 STU (70/30) (ROADWAY RECONSTRUCTION) TOTAL QUANTITY	CONST. CODES 0021/0043 100% LOCAL (LIGHTING AND WATER MAIN) TOTAL QUANTITY
~		X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	50	50	
~	*	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2,500	2,500	
~	*	X1400202	LUMINAIRE (SPECIAL)	EACH	22		22
~		X1700021	BRICK PAVER REMOVAL AND REINSTALLATION, SPECIAL	SQ FT	500	500	
~		X2080250	TRENCH BACKFILL, SPECIAL	CU YD	7,000	3,000	4,000
~		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	23	23	
~		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6	6	
~		X4023000	TEMPORARY ACCESS (ROAD)	EACH	7	7	
~	*	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	10,000		10,000
~	*	X5610700	WATER MAIN REMOVAL	FOOT	50		50
~	*	X5610704	WATER MAIN REMOVAL, 4"	FOOT	5		5
~	*	X5610706	WATER MAIN REMOVAL, 6"	FOOT	450		450
~	*	X5610712	WATER MAIN REMOVAL, 12"	FOOT	15		15
~	*	X5610744	WATER MAIN LINE STOP 4"	EACH	1		1
~	*	X5610746	WATER MAIN LINE STOP 6"	EACH	2		2
~	*	X5610748	WATER MAIN LINE STOP 8"	EACH	2		2
~	*	X5610752	WATER MAIN LINE STOP 12"	EACH	2		2
~	*	X5620102	WATER SERVICE REPLACEMENT, 1.5" - SHORT	EACH	15		15
~	*	X5620104	WATER SERVICE REPLACEMENT, 1.5" - LONG	EACH	19		19
~	*	X6026055	SANITARY MANHOLE, SPECIAL	EACH	14		14
~		X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	6,500	6,500	
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5
~	*	X7010238	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL MO	19	19	
~	*	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	3,775	3,775	0
~	*	X7340102	CONCRETE FOUNDATION, STREET LIGHTING CONTROLLER	EACH	1		1
~	*	X8040305	ELECTRICAL SERVICE CONNECTION	EACH	22		22
~	*	X8440116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	22		22
~	*	X8570015	CONTROLLER (SPECIAL)	EACH	1		1
~		Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	750	750	
~	*	Z0007430	TEMPORARY SIDEWALK	SQ FT	1,000	1,000	
~	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5
~		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	40	40	
~	*	Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	11	11	
~	*	Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	45	45	
~		Z0029602	TEMPORARY SIGNING	EACH	20	20	
~	*	Z0033026	MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE	L SUM	1		1
~	*	Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	7,500	7,500	
~		Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	300		300
~	*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
~		Z0076600	TRAINEES	HOUR	1,000	1,000	
~		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000	
	*	C2007824	SHRUB, ROSA MEINELBE (RED MEIDILAND ROSE), 24" HEIGHT, CONTAINER	EACH	8	8	
~	*	XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1		1
~	*	XX004689	SANITARY SERVICE TO BE ADJUSTED	EACH	19		19
~	*	XX006624	TEMPORARY FIRE HYDRANT	EACH	11		11
~	*	XX007001	ROOT BARRIER	EACH	50	50	
~	*	XX007169	NON-PRESSURE CONNECTION	EACH	12		12
~	*	XX008839	WATER MAIN TO BE ABANDONED	L SUM	1		1
~	*	XX008070	MAST ARM INSTALLATION TYPE 1	EACH	22		22
~	*	XX009954	SPRINKLER SYSTEM HEAD	EACH	35	35	
~	*	XX009965	SPRINKLER SYSTEM LINE	FOOT	1,750	1,750	

*INDICATES SPECIALTY ITEM
~INDICATES SPECIAL PROVISION △0043

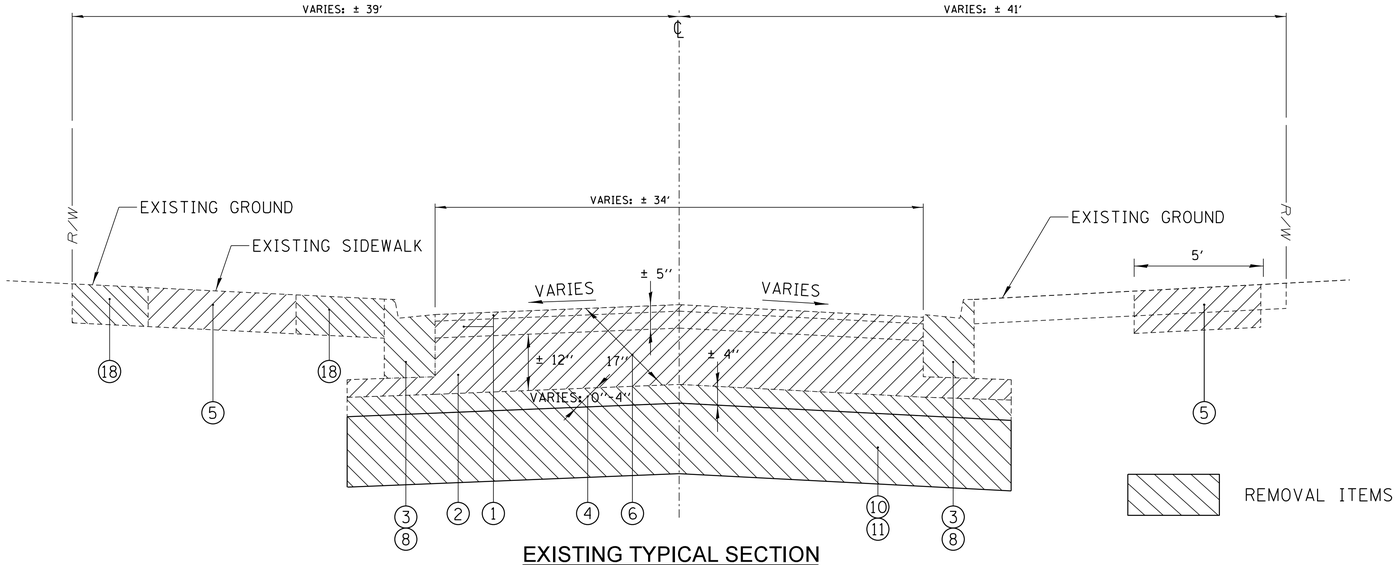
FILE NAME = N:\wilmette\170224\Civil\03b_SOO_LOCUST_03.SHT	USER NAME = jlapaglia	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 10/9/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
SUMMARY OF QUANTITIES

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

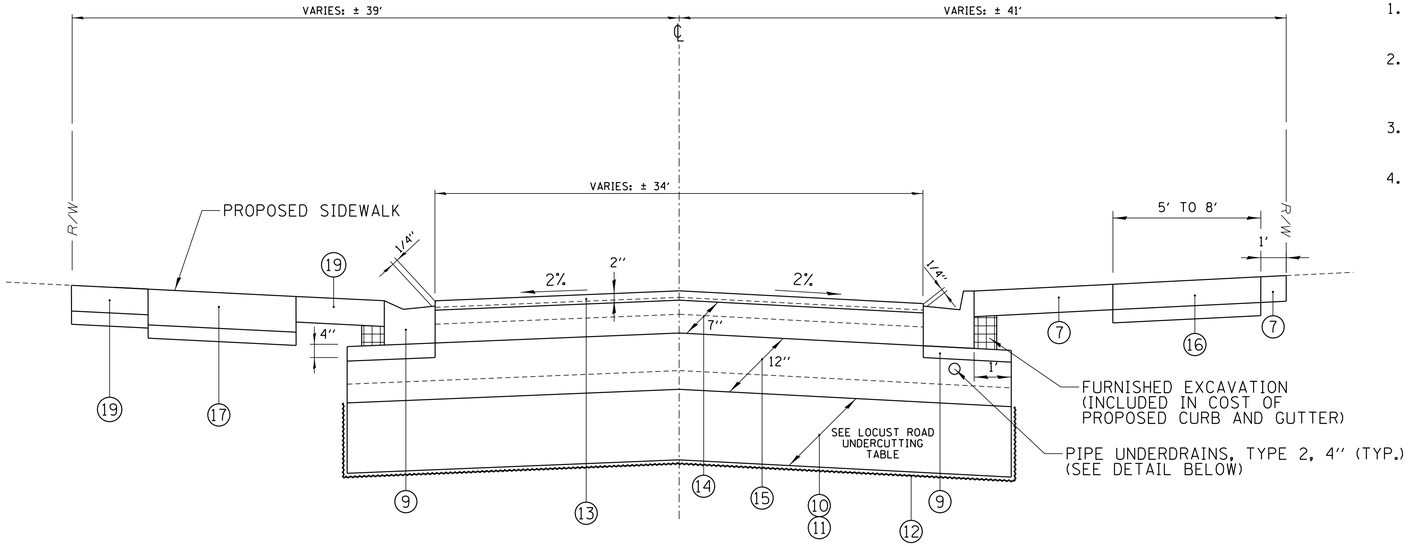
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	6
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



REMOVAL ITEMS

EXISTING TYPICAL SECTION

N.T.S.
LOCUST ROAD
FROM STA. 10+19.15 TO STA. 36+19.92



FURNISHED EXCAVATION (INCLUDED IN COST OF PROPOSED CURB AND GUTTER)

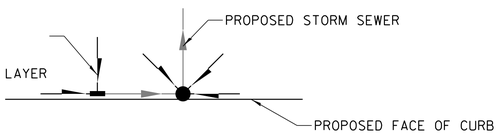
PIPE UNDERDRAINS, TYPE 2, 4" (TYP.) (SEE DETAIL BELOW)

PROPOSED TYPICAL SECTION

N.T.S.
LOCUST ROAD
FROM STA. 10+19.15 TO STA. 36+19.92

NOTE:
PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD 601001-05. THE TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" INTO THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES, EITHER EXISTING OR PROPOSED, SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

PIPE UNDERDRAINS, TYPE 2, 4"
(PVC SDR-26) (10 LF EACH)
TO BE INSTALLED MINIMUM 6" INTO AGGREGATE SUBGRADE IMPROVEMENT LAYER
(PER THE ENGINEER)



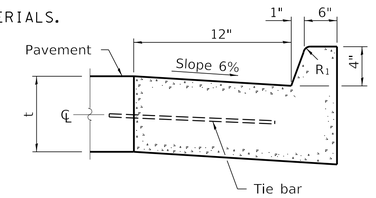
PROPOSED UNDERDRAIN DETAIL

LEGEND

1. EXISTING HOT-MIX ASPHALT PAVEMENT (± 5")
2. EXISTING AGGREGATE SUBBASE (± 12")
3. EXISTING CURB AND GUTTER (TYPE VARIES; B-4.12, M-4.12)
4. EARTH EXCAVATION (VARIES: 0"-4" PER XS) (20200100)
5. EXISTING PCC SIDEWALK
6. PAVEMENT REMOVAL (44000100) (17" DEPTH)
7. SODDING, SALT TOLERANT (25200110)
   TOPSOIL EXCAVATION AND PLACEMENT (21101505) (12" DEPTH MINIMUM PER ENGINEER)
8. COMBINATION CONCRETE CURB AND GUTTER REMOVAL (44000500)
9. CONCRETE CURB, TYPE B (SPECIAL) (X6061005) (TYPE B-4.12)
   (INCLUDES 4" SUBBASE GRANULAR MATERIAL TYPE B) (SEE DETAIL BELOW)
10. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
11. AGGREGATE SUBGRADE IMPROVEMENT (30300001)
12. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
13. HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50 - 2" (40603335)
14. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 7" (40603080)
15. AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
16. PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
    (INCLUDES 4" SUBBASE GRANULAR MATERIAL TYPE B)
    (5' WIDE: ± STA. 10+00 - STA. 18+00)
    (8' WIDE: ± STA. 18+00 - STA. 36+20)
17. PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)
    (INCLUDES 4" SUBBASE GRANULAR MATERIAL TYPE B)
18. DRIVEWAY PAVEMENT REMOVAL (HMA, PCC, OR BRICK PER PLANS)
19. PROPOSED DRIVEWAY PAVEMENT (HMA, PCC, OR BRICK PER PLANS)

NOTES:

1. THE REMOVAL/EXCAVATION OF THE TOP 17" OF MATERIAL (ASPHALT, STONE, OR SUBBASE) SHALL BE CONSIDERED PAVEMENT REMOVAL.
2. ANY EXCAVATION OF MATERIAL (0"-4" BELOW THE PAVEMENT REMOVAL LIMITS) REQUIRED TO OBTAIN THE NECESSARY DEPTH FOR THE PROPOSED PAVEMENT BENEATH THE 17" CONSIDERED PAVEMENT REMOVAL SHALL BE PAID FOR AS EARTH EXCAVATION.
3. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE 6 INCHES THICK (42400300) AT DRIVEWAYS. (INCLUDES 4" SUBBASE GRANULAR MATERIAL TYPE B)
4. A SHRINKAGE FACTOR OF 15% IS ASSUMED FOR FILL MATERIALS.



CONCRETE CURB, TYPE B (SPECIAL) DETAIL (COMBINATION CURB AND GUTTER, TYPE B-4.12)

NOTES: R1 = 1"
t = thickness of pavement

LOCUST ROAD CORE DETAILS

CORE NUMBER	ASPHALT TOTAL THICKNESS	SURFACE THICKNESS	BINDER THICKNESS	SUBBASE THICKNESS
C-1	4.5"	1.9"	2.5"	12"
C-2	5.25"	3.5"	1.8"	12"
C-3	5"	2.1"	3.0"	12"
AVG.	4.92"	2.5"	2.43"	12"

LOCUST ROAD UNDERCUTTING

STATION FROM	STATION TO	UNDERCUT THICKNESS
15+00	19+00	12"
27+25	30+75	6"
33+50	36+20	12"

NOTE:
EXACT LOCATIONS AND DEPTHS OF UNDERCUTTING SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL UNDERCUT LOCATIONS TO BE VERIFIED IN THE FIELD BY A SOILS INSPECTOR.

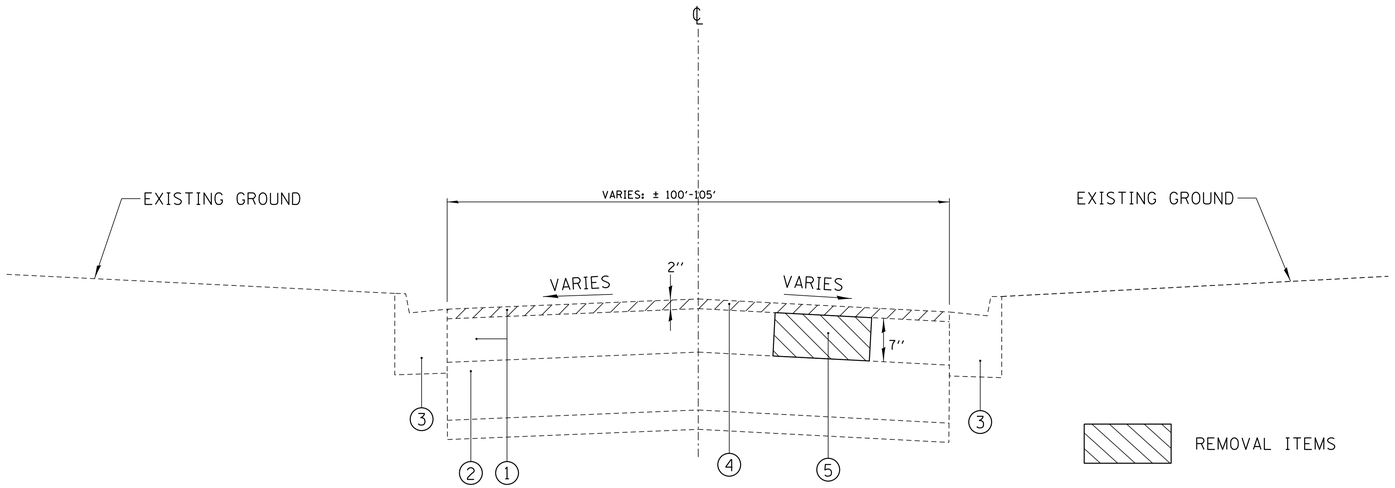
FILE NAME = N:\wilmette\170224\Civil\005_TYP_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
TYPICAL SECTIONS – RECONSTRUCTION

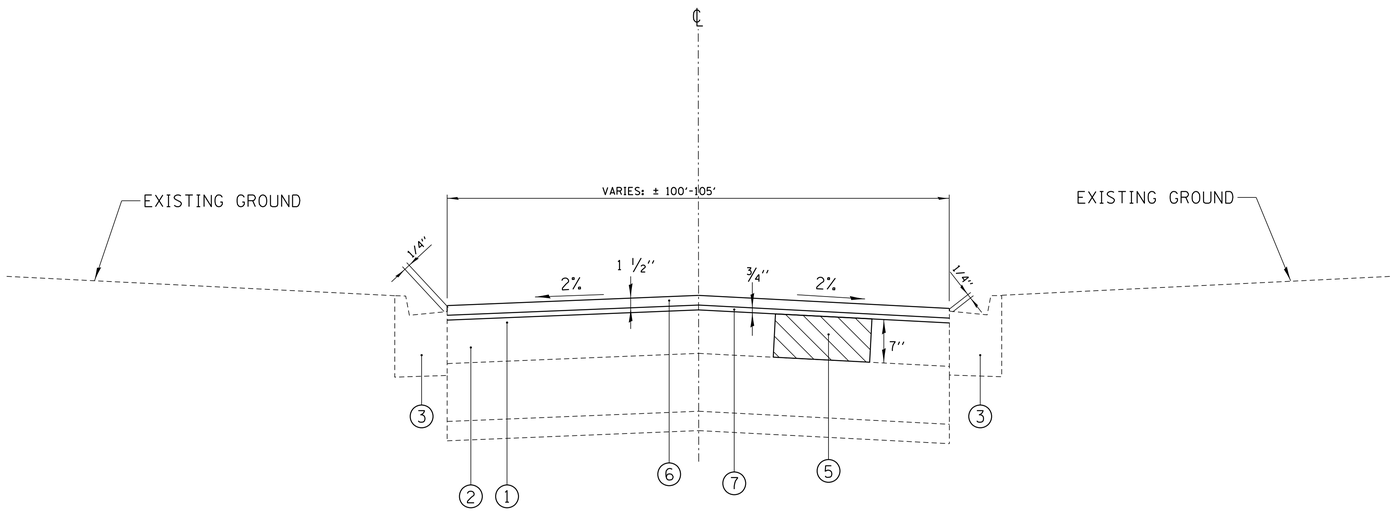
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	7
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION

N.T.S.
WILMETTE AVENUE: FROM STA. 9+37.39 TO STA. 10+19.15
LAKE AVENUE: FROM STA. 36+19.92 TO STA. 37+35.62



PROPOSED TYPICAL SECTION

N.T.S.
WILMETTE AVENUE: FROM STA. 9+37.39 TO STA. 10+19.15
LAKE AVENUE: FROM STA. 36+19.92 TO STA. 37+35.62

LEGEND

1. EXISTING HOT-MIX ASPHALT PAVEMENT
2. EXISTING AGGREGATE SUBBASE
3. EXISTING CURB AND GUTTER (B-4.12)
4. HOT-MIX ASPHALT SURFACE REMOVAL, 2" (44000157)
5. CLASS D PATCHES, 7 INCH (OF TYPE SPECIFIED)
6. HOT-MIX ASPHALT SURFACE COURSE, MIX "D" - 1.5"
7. LEVELING BINDER (MACHINE METHOD) - 0.75"

REMOVAL ITEMS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
ITEM	VOIDS	INTERSECTION
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.	
CLASS D PATCHES, 7 INCH (HMA BINDER IL-19.0, N70)	4% @ 70 GYR.	
TEMPORARY PATCHING (HMA BINDER IL-19.0, N70)	4% @ 70 GYR.	
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3" (HMA SURFACE COURSE, MIX "D", N50) (IL 9.5 mm)	4% @ 50 GYR.	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 1.5"	4% @ 50 GYR.	WILMETTE AVENUE
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1.5"	4% @ 70 GYR.	LAKE AVENUE
LEVELING BINDER (MACHINE METHOD), N50, 0.75" (IL 9.5 mm)	4% @ 50 GYR.	WILMETTE AVENUE
LEVELING BINDER (MACHINE METHOD), N70, 0.75" (IL 9.5 mm)	4% @ 70 GYR.	LAKE AVENUE

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

FILE NAME = N:\wilmette\170224\Civil\006_TYP_LOCUST_22.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
TYPICAL SECTIONS – RESURFACING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	8
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE

		CUT VOLUME			FILL VOLUME			UNDERCUT VOLUME		
STA.	DIST. (FT)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)
10 + 36.51		55.1			0.0			0.0		
	14.78		37.65	20.61		0.00	0.00		0.00	0.00
10 + 51.29		20.2			0.0			0.0		
	48.71		30.15	54.39		0.00	0.00		0.00	0.00
11 + 00		40.1			0.0			0.0		
	34.32		44.05	55.99		0.00	0.00		0.00	0.00
11 + 34.32		48.0			0.0			0.0		
	15.68		46.15	26.80		0.00	0.00		0.00	0.00
11 + 50		44.3			0.0			0.0		
	42.13		53.35	83.25		0.00	0.00		0.00	0.00
11 + 92.13		62.4			0.0			0.0		
	7.87		61.20	17.84		0.00	0.00		0.00	0.00
12 + 00		60.0			0.0			0.0		
	50		52.80	97.78		0.00	0.00		0.00	0.00
12 + 50		45.6			0.0			0.0		
	18.49		49.35	33.80		0.00	0.00		0.00	0.00
12 + 68.49		53.1			0.0			0.0		
	31.51		46.55	54.33		3.50	4.08		0.00	0.00
13 + 00		40.0			7.0			0.0		
	29.22		50.10	54.22		3.50	3.79		0.00	0.00
13 + 29.22		60.2			0.0			0.0		
	3.73		60.25	8.32		0.00	0.00		0.00	0.00
13 + 32.95		60.3			0.0			0.0		
	17.05		60.85	38.43		5.25	3.32		0.00	0.00
13 + 50		61.4			10.5			0.0		
	46.71		60.00	103.80		5.25	9.08		0.00	0.00
13 + 96.71		58.6			0.0			0.0		
	3.29		58.50	7.13		0.00	0.00		0.00	0.00
14 + 00		58.4			0.0			0.0		
	50		46.95	86.94		0.00	0.00		0.00	0.00
14 + 50		35.5			0.0			0.0		
	24.22		39.40	35.34		0.00	0.00		0.00	0.00
14 + 74.22		43.3			0.0			0.0		
	25.78		46.45	44.35		0.00	0.00		19.60	18.71
15 + 00		49.6			0.0			39.2		
	13.26		49.60	24.36		0.00	0.00		39.20	19.25
15 + 13.26		49.6			0.0			39.2		
	36.74		40.10	54.57		0.00	0.00		39.20	53.34
15 + 50		30.6			0.0			39.2		
	18.79		38.70	26.93		0.00	0.00		39.20	27.28
15 + 68.79		46.8			0.0			39.2		
	31.21		42.05	48.61		0.00	0.00		38.20	44.16
16 + 00		37.3			0.0			37.2		
	50		39.75	73.61		0.00	0.00		57.90	107.22
16 + 50		42.2			0.0			78.6		
	8.73		41.45	13.40		0.00	0.00		78.60	25.41
16 + 58.73		40.7			0.0			78.6		
	41.27		33.05	50.52		0.45	0.69		57.90	88.50
17 + 00		25.4			0.9			37.2		
	5.55		26.90	5.53		0.90	0.18		37.20	7.65
17 + 05.55		28.4			0.9			37.2		
	44.45		26.30	43.30		0.45	0.74		37.20	61.24
17 + 50		24.2			0.0			37.2		
	46.29		41.55	71.24		0.00	0.00		37.20	63.78
17 + 96.29		58.9			0.0			37.2		
	3.71		59.95	8.24		0.00	0.00		37.20	5.11
18 + 00		61.0			0.0			37.2		
	4.8		58.35	10.37		0.00	0.00		37.20	6.61
18 + 04.8		55.7			0.0			37.2		
	45.2		48.50	81.19		0.00	0.00		37.20	62.28
18 + 50		41.3			0.0			37.2		
	37.17		48.05	66.15		0.00	0.00		37.20	51.21
18 + 87.17		54.8			0.0			37.2		
	12.83		44.80	21.29		0.05	0.02		37.20	17.68
19 + 00		34.8			0.1			37.2		
	42.05		34.90	54.35		0.35	0.55		18.60	28.97
19 + 42.05		35.0			0.6			0.0		
	7.95		36.30	10.69		0.30	0.09		0.00	0.00
19 + 50		37.6			0.0			0.0		
	7.84		36.80	10.69		0.00	0.00		0.00	0.00
19 + 57.84		36.0			0.0			0.0		
	42.16		28.45	44.42		1.00	1.56		0.00	0.00
20 + 00		20.9			2.0			0.0		
	40.74		29.00	43.76		1.00	1.51		0.00	0.00
20 + 40.74		37.1			0.0			0.0		
	9.26		39.40	13.51		0.00	0.00		0.00	0.00
20 + 50		41.7			0.0			0.0		
	50		32.95	61.02		0.45	0.83		0.00	0.00
21 + 00		24.2			0.9			0.0		
	47.54		28.75	50.62		0.60	1.06		0.00	0.00
21 + 47.54		33.3			0.3			0.0		
	52.46		33.55	65.19		1.50	2.91		0.00	0.00
22 + 00		33.8			2.7			0.0		
	31.77		35.35	41.60		5.95	7.00		0.00	0.00
22 + 31.77		36.9			9.2			0.0		
	18.23		42.00	28.36		6.05	4.08		0.00	0.00
22 + 50		47.1			2.9			0.0		
	50		48.30	89.44		1.45	2.69		0.00	0.00

		CUT VOLUME			FILL VOLUME			UNDERCUT VOLUME		
STA.	DIST. (FT)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)
23 + 00		49.5			0.0			0.0		
	25.58		50.85	48.18		0.00	0.00		0.00	0.00
23 + 25.58		52.2			0.0			0.0		
	24.42		46.00	41.60		0.00	0.00		0.00	0.00
23 + 50		39.8			0.0			0.0		
	38.48		42.55	60.64		0.00	0.00		0.00	0.00
23 + 88.48		45.3			0.0			0.0		
	11.52		38.45	16.41		0.00	0.00		0.00	0.00
24 + 00		31.6			0.0			0.0		
	50		31.60	58.52		0.00	0.00		0.00	0.00
24 + 50		31.6			0.0			0.0		
	18.73		41.25	28.62		0.00	0.00		0.00	0.00
24 + 68.73		50.9			0.0			0.0		
	18.64		51.20	35.35		0.00	0.00		0.00	0.00
24 + 87.37		51.5			0.0			0.0		
	12.63		49.60	23.20		0.00	0.00		0.00	0.00
25 + 00		47.7			0.0			0.0		
	50		43.75	81.02		0.00	0.00		0.00	0.00
25 + 50		39.8			0.0			0.0		
	50		41.85	77.50		0.00	0.00		0.00	0.00
26 + 00		43.9			0.0			0.0		
	33.02		46.70	57.11		2.65	3.24		0.00	0.00
26 + 33.02		49.5			5.3			0.0		
	16.98		46.05	28.96		2.65	1.67		0.00	0.00
26 + 50		42.6			0.0			0.0		
	9.54		46.30	16.36		0.00	0.00		0.00	0.00
26 + 59.54		50.0			0.0			0.0		
	40.46		42.05	63.01		1.05	1.57		0.00	0.00
27 + 00		34.1			2.1			0.0		
	50		35.70	66.11		1.05	1.94		9.80	18.15
27 + 50		37.3			0.0			19.6		
	43.63		42.40	68.52		0.00	0.00		19.60	31.67
27 + 93.63		47.5			0.0			19.6		
	6.37		47.40	11.18		0.00	0.00		19.60	4.62
28 + 00		47.3			0.0			19.6		
	33.81		51.20	64.11		0.00	0.00		19.60	24.54
28 + 33.81		55.1			0.0			19.6		
	6.58		57.85	14.10		0.00	0.00		19.60	4.78
28 + 40.39		60.6			0.0			19.6		
	9.61		53.95	19.20		0.00	0.00		19.60	6.98
28 + 50		47.3			0.0			19.6		
	7.23		48.40	12.96		0.00	0.00		19.60	5.25
28 + 57.23		49.5			0.0			19.6		
	42.77		45.00	71.28		0.00	0.00		19.60	31.05
29 + 00		40.5			0.0			19.6		
	40.32		49.80	74.37		0.00	0.00		19.60	29.27
29 + 40.32		59.1			0.0			19.6		
	9.68		55.90	20.04		0.00	0.00		19.60	7.03
29 + 50		52.7			0.0			19.6		
	31.72		57.70	67.79		0.00	0.00		29.45	34.60
29 + 81.72		62.7			0.0			39.3		
	9.78		60.80	22.02		0.00	0.00		39.30	14.24
29 + 91.5		58.9			0.0			39.3		
	8.5		57.60	18.13		3.40	1.07		29.20	9.19
30 + 00		56.3			6.8			19.1		
	50		45.75	84.72		3.40	6.30		19.35	35.83
30 + 50		35.2			0.0			19.6		
	19.33		38.00	27.21		0.00	0.00		19.60	14.03
30 + 69.33		40.8			0.0			19.6		
	24.01		45.75	40.68		0.00	0.00		9.80	8.71
30 + 93.34		50.7			0.0			0.0		
	6.66		48.25	11.90		0.00	0.00		0.00	0.00
31 + 00		45.8			0.0			0.0		
	50		47.90	88.70		0.00	0.00		0.00	0.00
31 + 50		50.0			0.0			0.0		
	16.28		54.55	32.89		0.00	0.00		0.00	0.00
31 + 66.28		59.1			0.0			0.0		
	33.72		49.25	61.51		0.00	0.00		0.00	0.00
32 + 00		39.4			0.0			0.0		
	44.23		45.15	73.96		0.00	0.00		0.00	0.00
32 + 44.23		50.9			0.0			0.0		
	5.77		46.90	10.02		0.00	0.00		0.00	0.00
32 + 50		42.9			0.0			0.0		
	50		37.20	68.89		0.30	0.56		0.00	0.00
33 + 00		31.5			0.6			0.0		
	8.03		29.85	8.88		0.60	0.18		0.00	0.00
33 + 08.03		28.2			0.6			0.0		
	41.97		25.35	39.41		0.50	0.78		22.60	35.13
33 + 50		22.5			0.4			45.2		
	27.82		28.50	29.37		0.20	0.21		45.20	46.57
33 + 77.82		34.5			0.0			45.2		
	22.18		31.30	25.71		0.00	0.00		45.20	37.13
34 + 00		28.1			0.0			45.2		
	50		29.40	54.44		0.15	0.28		45.20	83.70
34 + 50		30.7			0.3			45.2		
	50		34.25	63.43		0.15	0.28		45.20	83.70
35 + 00		37.8			0.0			45.2		
	50		40.60	75.19		0.00	0.00		45.20	83.70
35 + 50		43.4			0.0			45.2		
	38.11		36.30	51.24		0.00	0.00		45.20	63.80
35 + 88.11		29.2			0.0			45.2		
	13.35		39.00	19.28		0.00	0.00		48.50	23.98
36 + 01.46		48.8			0.0			51.8		
			TOTAL =	3969.98		SUBTOTAL =	62.25		TOTAL =	1426.07
						+ 15% SHRINKAGE =	9.34			
						TOTAL =	71.59			

NOTE: A SHRINKAGE FACTOR OF 15% IS ASSUMED FOR FILL MATERIALS.

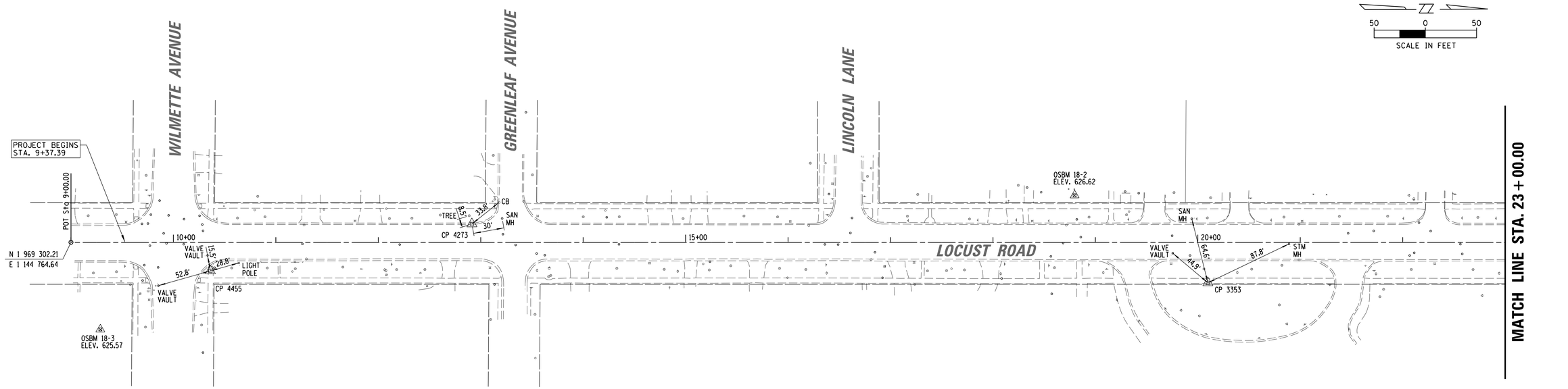
FILE NAME = N:\wilmette\170224\Civil\004_SCH_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

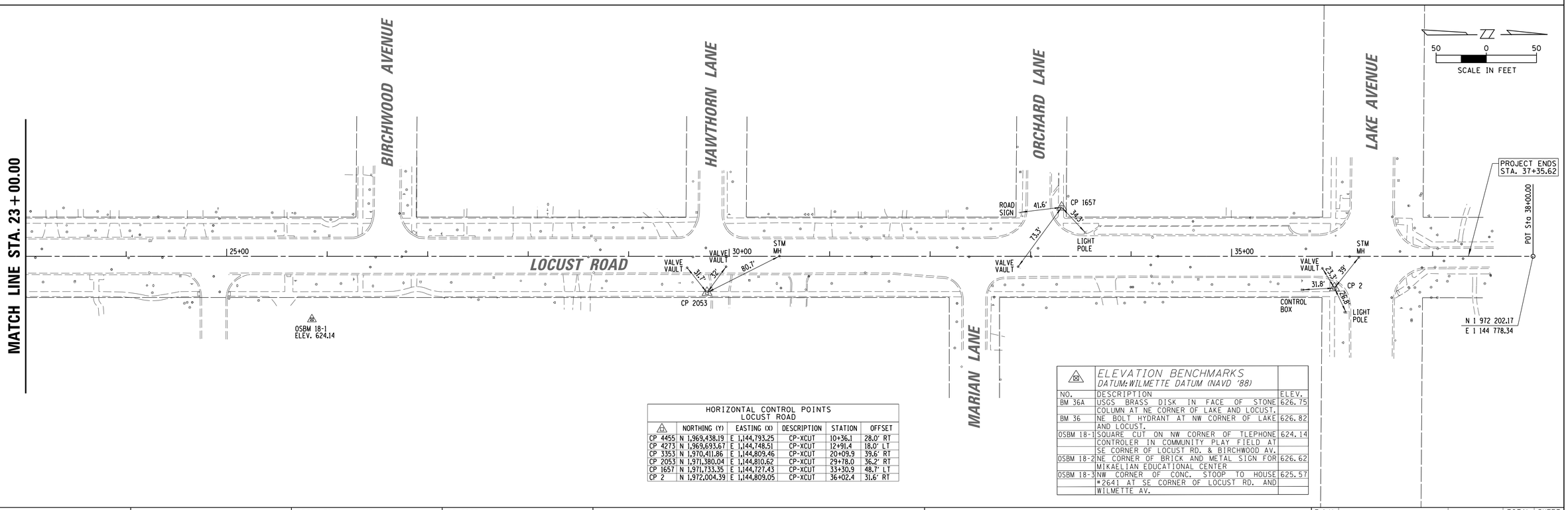
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
EARTHWORK SCHEDULE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	9
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			





HORIZONTAL CONTROL POINTS
LOCUST ROAD

	NORTHING (Y)	EASTING (X)	DESCRIPTION	STATION	OFFSET
CP 4455	N 1,969,438.19	E 1,144,793.25	CP-XCUT	10+36.1	28.0' RT
CP 4273	N 1,969,693.67	E 1,144,748.51	CP-XCUT	12+91.4	18.0' LT
CP 3353	N 1,970,411.86	E 1,144,809.46	CP-XCUT	20+09.9	39.6' RT
CP 2053	N 1,971,380.04	E 1,144,810.62	CP-XCUT	29+78.0	36.2' RT
CP 1657	N 1,971,733.35	E 1,144,727.43	CP-XCUT	33+30.9	48.7' LT
CP 2	N 1,972,004.39	E 1,144,809.05	CP-XCUT	36+02.4	31.6' RT

ELEVATION BENCHMARKS
DATUM: WILMETTE DATUM (NAVD '88)

NO.	DESCRIPTION	ELEV.
BM 36A	USGS BRASS DISK IN FACE OF STONE COLUMN AT NE CORNER OF LAKE AND LOCUST.	626.75
BM 36	NE BOLT HYDRANT AT NW CORNER OF LAKE AND LOCUST.	626.82
OSBM 18-1	SQUARE CUT ON NW CORNER OF TLEPHONE CONTROLER IN COMMUNITY PLAY FIELD AT SE CORNER OF LOCUST RD. & BIRCHWOOD AV.	624.14
OSBM 18-2	NE CORNER OF BRICK AND METAL SIGN FOR MIKAELIAN EDUCATIONAL CENTER	626.62
OSBM 18-3	NW CORNER OF CONC. STOOP TO HOUSE *2641 AT SE CORNER OF LOCUST RD. AND WILMETTE AV.	625.57

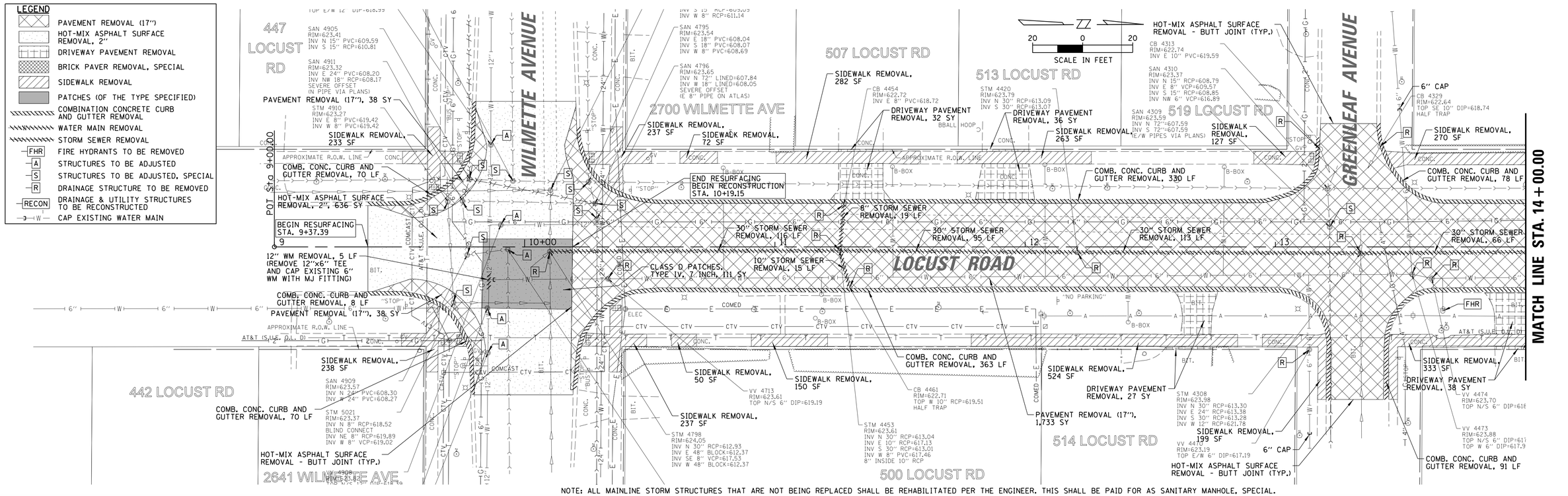
FILE NAME = N:\wilmette\170224\Civil\007_ATB_LOCUST_01.SHT Default	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - EDT	REVISED -
	PLOT SCALE = 50'	CHECKED - MEK	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
ALIGNMENT, TIES AND BENCHMARKS

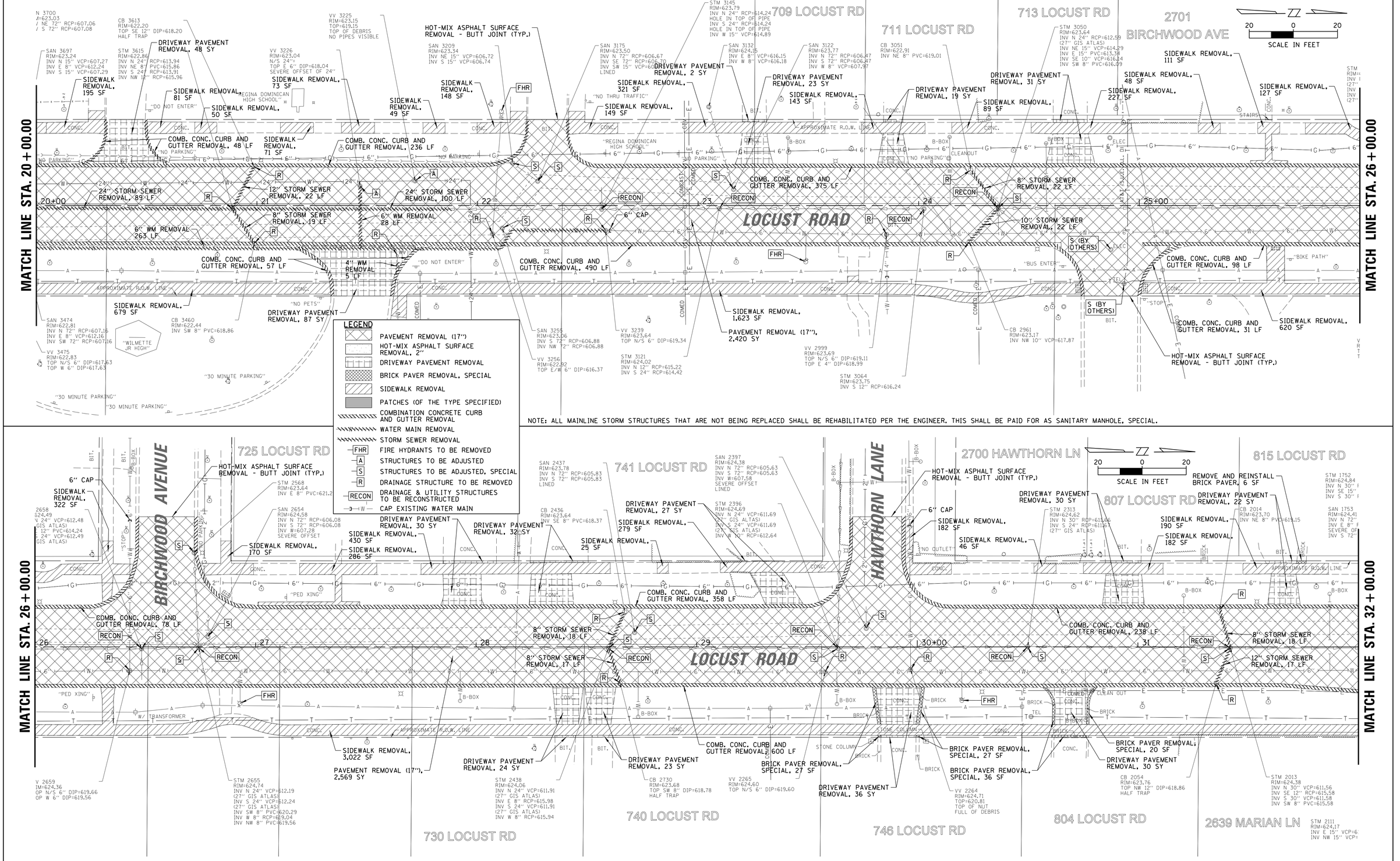
SCALE: 50' | SHEET 10 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	10
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



FILE NAME = N:\wilmette\170224\Civil\013_REM_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**LOCUST ROAD EXISTING CONDITIONS AND REMOVAL PLAN**
		DRAWN - PJN	REVISED -		
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -		SCALE: 20' SHEET 11 OF 109 SHEETS STA. TO STA.
	PLOT DATE = 9/19/2018	DATE -	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	11
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



NOTE: ALL MAINLINE STORM STRUCTURES THAT ARE NOT BEING REPLACED SHALL BE REHABILITATED PER THE ENGINEER. THIS SHALL BE PAID FOR AS SANITARY MANHOLE, SPECIAL.

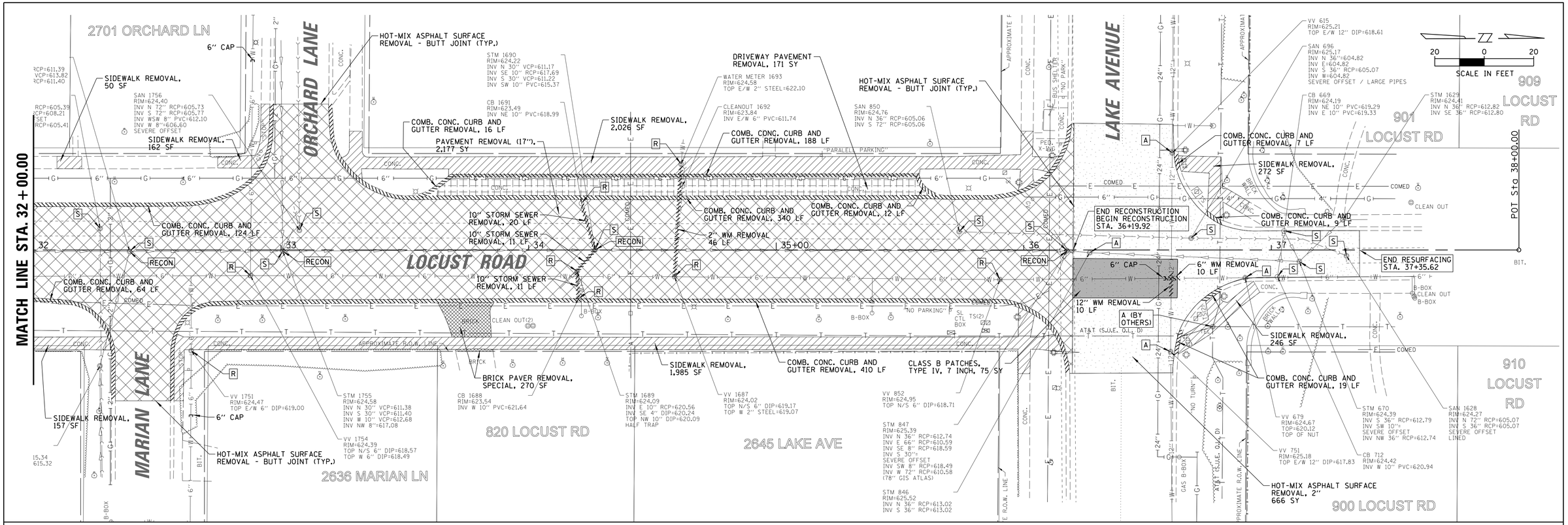
FILE NAME = N:\wilmette\170224\Civil\014_REM_LOCUST_02.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 20' | SHEET 12 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	12
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



NOTE: ALL MAINLINE STORM STRUCTURES THAT ARE NOT BEING REPLACED SHALL BE REHABILITATED PER THE ENGINEER. THIS SHALL BE PAID FOR AS SANITARY MANHOLE, SPECIAL.

LEGEND

- PAVEMENT REMOVAL (17")
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- DRIVEWAY PAVEMENT REMOVAL
- BRICK PAVER REMOVAL, SPECIAL
- SIDEWALK REMOVAL
- PATCHES (OF THE TYPE SPECIFIED)
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- WATER MAIN REMOVAL
- STORM SEWER REMOVAL
- FHR — FIRE HYDRANTS TO BE REMOVED
- A — STRUCTURES TO BE ADJUSTED
- S — STRUCTURES TO BE ADJUSTED, SPECIAL
- R — DRAINAGE STRUCTURE TO BE REMOVED
- RECON — DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- W — CAP EXISTING WATER MAIN

FILE NAME = N:\wilmette\170224\Civil\015_REM_LOCUST_03.SHT Default	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 20' | SHEET 13 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	13
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

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

PROFILE
SURVEYED —
PLOTTED —
GRADES CHECKED —
S.M. NOTED —
STRUCTURE NOTATNS CHKD
NOTE BOOK —
NO. —
BY
DATE

SCALE IN FEET
20 0 20

441 LOCUST RD
447 LOCUST RD
2700 WILMETTE AVE
507 LOCUST RD
513 LOCUST RD
519 LOCUST RD
2708 GREENLEAF AVE
442 LOCUST RD
2641 WILMETTE AVE
514 LOCUST RD
500 LOCUST RD

LOCUST ROAD

WILMETTE AVENUE

GREENLEAF AVENUE

MATCH LINE STA. 14+00.00

POT Sta 9+00.00

BEGIN RESURFACING

PROJECT BEGINS STA. 9+37.39

END RESURFACING
BEGIN RECONSTRUCTION

10+00

11

12

13

CONC. CURB TYPE B, 20 LF

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 232 SF

CONC. CURB TYPE B, 22 LF

DETECTABLE WARNINGS (TYP.)

+80.55, 58.2 LT 623.34
+80.47, 55.8 LT 623.36
+00.74, 58.2 LT 623.99
+20.53, 56.2 LT 623.30
+16.02, 41.0 LT 623.71
+84.94, 40.6 LT 623.71
+83.49, 32.4 LT 623.74
+23.88, 21.7 LT 623.79
+77.01, 21.3 LT 623.57
+37.39, 16.5 LT 623.18
+37.39, 0.0 RT 623.58
+55.16, 11.7 LT 623.47
+54.41, 12.8 RT 623.44
+39.39, 17.8 RT 623.23
+37.39, 17.8 RT 623.21
+66.39, 15.3 RT 623.49
+76.32, 22.3 RT 623.64
+83.23, 34.4 RT 623.58
+84.42, 42.0 RT 623.55
+21.19, 40.6 RT 623.44
+79.84, 57.1 RT 623.15
+79.90, 59.1 RT 623.15
+99.74, 59.1 RT 623.77
+19.34, 59.1 RT 623.21
+20.25, 47.0 RT 623.36
+30.22, 25.3 RT 623.51
+51.29, 17.0 RT 623.33
+20.47, 58.2 LT 623.30
+61.00, 17.0 LT 623.25
+68.16, 12.0 623.47

R 30'
R 31'

CONC. CURB TYPE B, 24 LF
CONC. CURB TYPE B, 21 LF
CONC. CURB TYPE B, 25 LF
CONC. CURB TYPE B, 20 LF

CLASS D PATCHES, TYPE IV, 7 INCH, 111 SY

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 238 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 236 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 50 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 250 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 531 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 246 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 72 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 287 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 265 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 125 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 213 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 391 SF

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 35 SY
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 37 SY

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12, 340 LF
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12, 365 LF

HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3", 30 SY
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3", 41 SY

CONC. CURB TYPE B, 30 LF
CONC. CURB TYPE B, 40 LF
CONC. CURB TYPE B, 50 LF

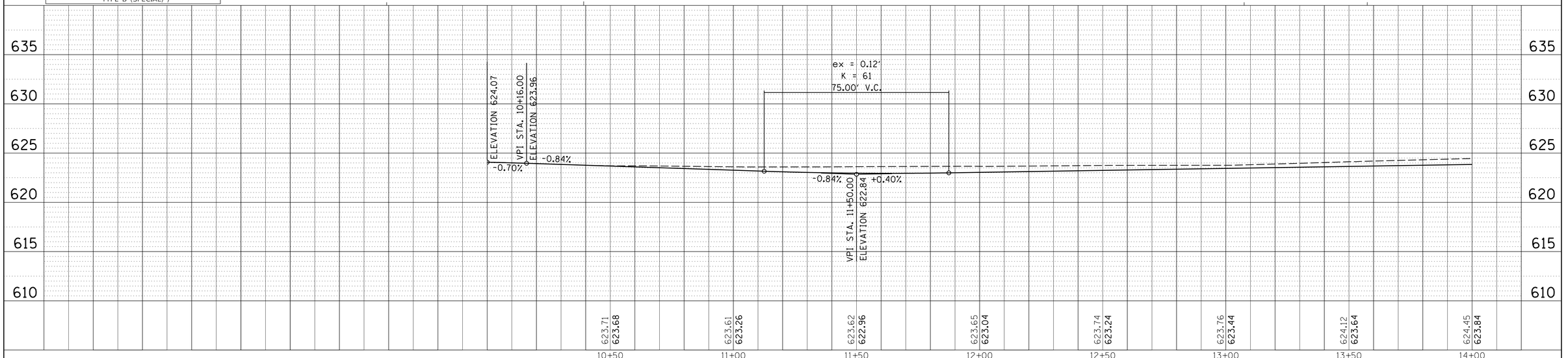
+18.10, 49.3 LT 622.69
+17.96, 39.6 LT 622.58
+17.96, 30.0 LT 622.72
+84.96, 17.0 LT 623.04
+99.96, 12.0 LT 623.20
+04.34, 17.0 RT 623.12
+22.34, 34.9 RT 622.62
+22.34, 40.0 RT 622.55
+22.34, 51.0 RT 622.23
+22.34, 61.0 RT 622.27
+32.95, 61.0 RT 622.44
+43.32, 61.0 RT 622.19
+29.49, 49.3 LT 623.12
+40.49, 49.3 LT 622.62
+40.49, 39.6 LT 622.58
+40.49, 30.0 LT 622.72
+58.49, 12.0 LT 623.46
+73.49, 17 623.40
+61.32, 17.0 RT 623.35
+43.32, 34.9 RT 622.63
+43.32, 40.0 RT 622.55
+43.32, 51.0 RT 622.15

1,680 SY PAVEMENT RECONSTRUCTION:
-AGGREGATE SUBGRADE IMPROVEMENT 12"
-HMA BINDER COURSE, IL-19.0, N50 - 7"
-HMA SURFACE COURSE, MIX "D", N50 - 2"

638 SY PAVEMENT RESURFACING:
-0.75" LEVELING BINDER (MACHINE METHOD), N50
-1.5" HMA SURFACE COURSE, MIX "D", N50

LEGEND
- PAVEMENT RECONSTRUCTION
- PAVEMENT RESURFACING
- PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
- CONCRETE CURB, TYPE B
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH
- BRICK PAVER REINSTALLATION, SPECIAL
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12 (PAID AS "CONCRETE CURB, TYPE B (SPECIAL)")

NOTES:
1. PROPOSED SIDEWALK THROUGH DRIVEWAYS, BOTH RESIDENTIAL AND COMMERCIAL, SHALL BE 6 INCHES THICK. THIS WORK SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH.
2. ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.



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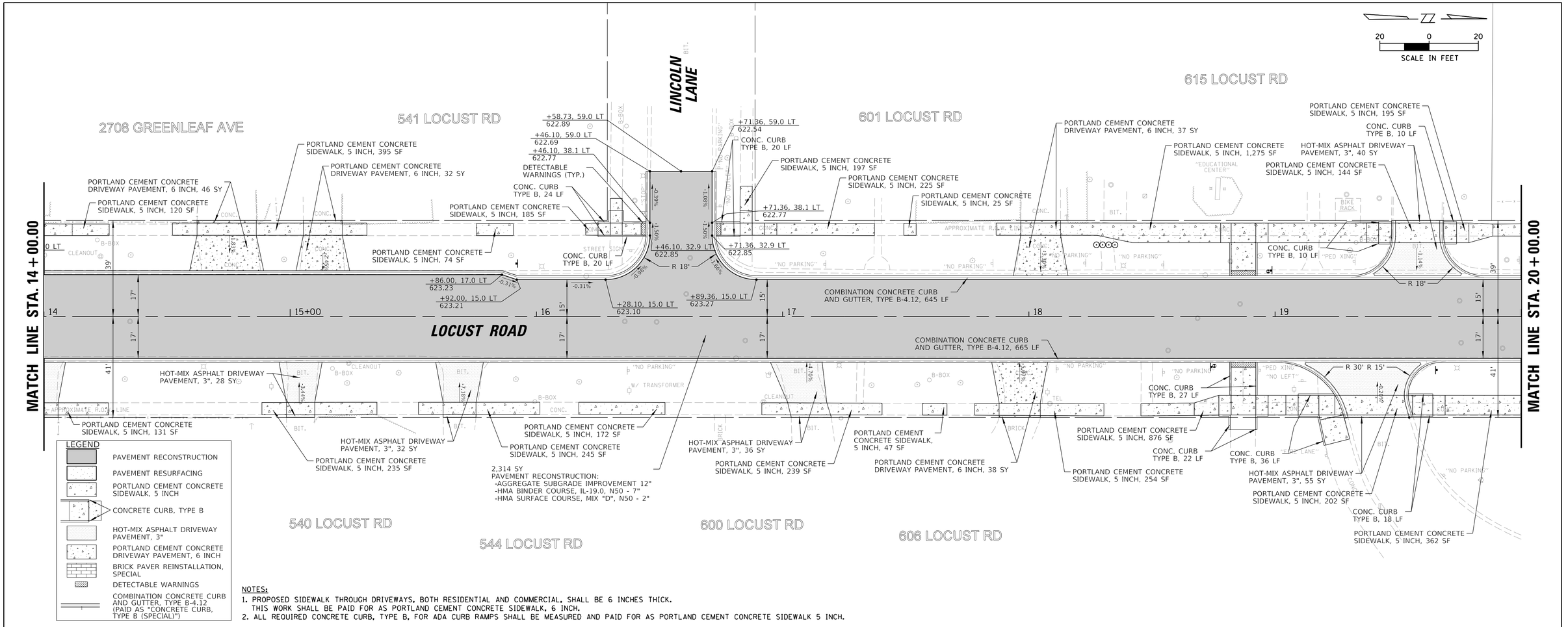
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY PLAN AND PROFILE

SCALE: 20' | SHEET 14 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	14
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



NOTES:
1. PROPOSED SIDEWALK THROUGH DRIVEWAYS, BOTH RESIDENTIAL AND COMMERCIAL, SHALL BE 6 INCHES THICK. THIS WORK SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH.
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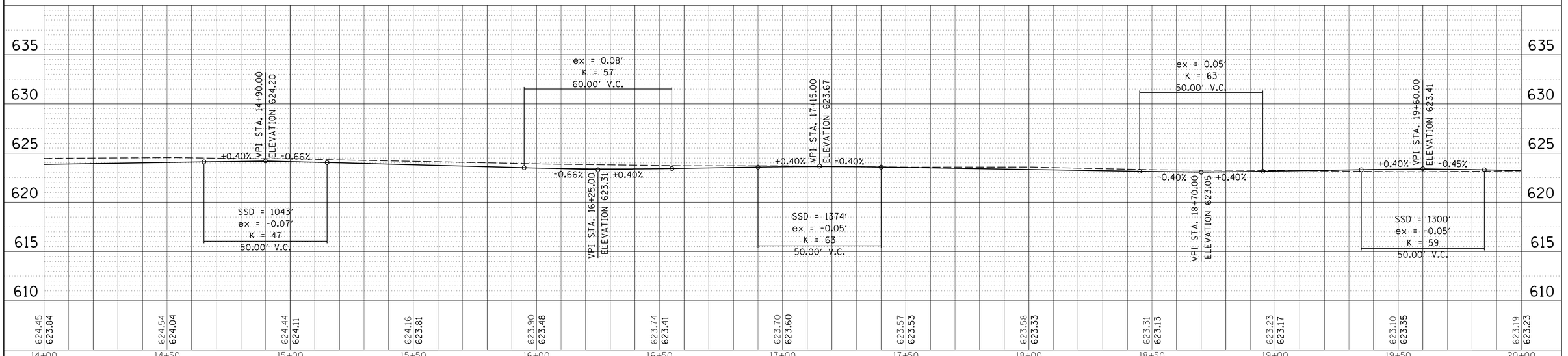

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	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY PLAN AND PROFILE

SCALE: 20' | SHEET 15 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	15
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

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

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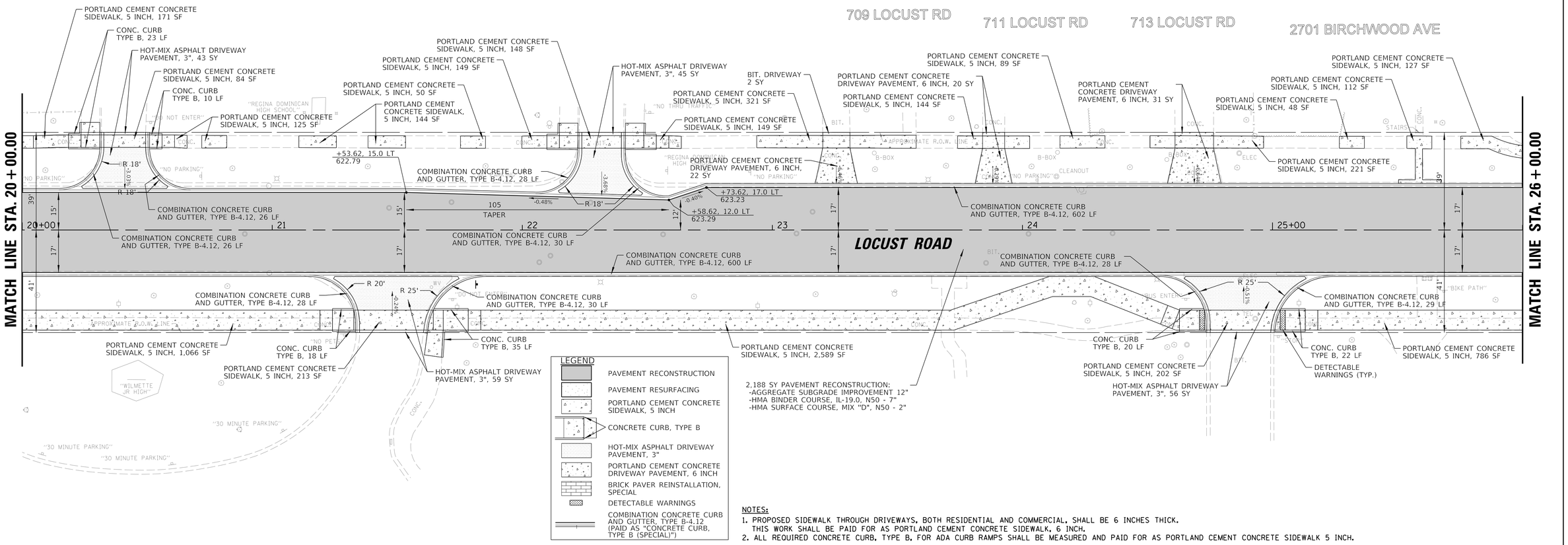
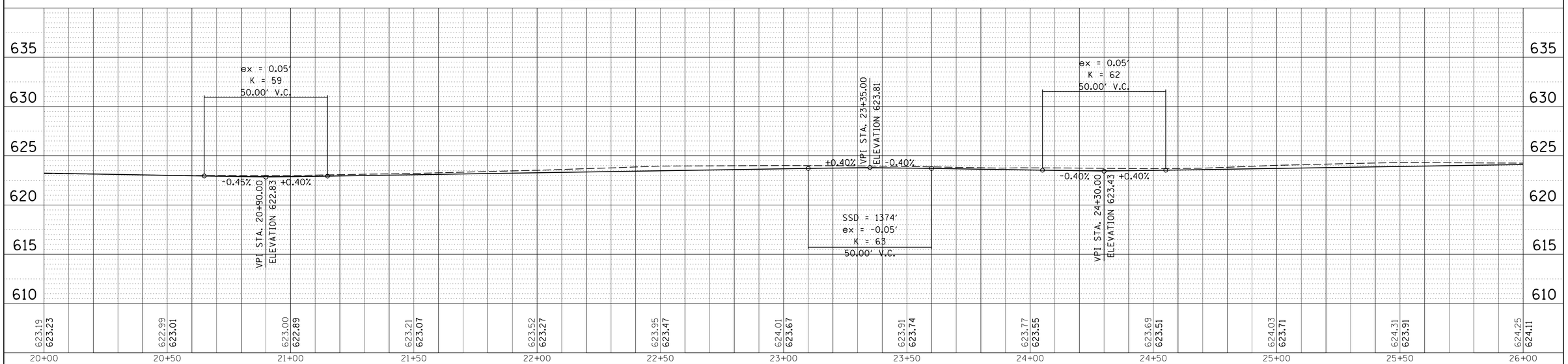


NOTES:
1. PROPOSED SIDEWALK THROUGH DRIVEWAYS, BOTH RESIDENTIAL AND COMMERCIAL, SHALL BE 6 INCHES THICK. THIS WORK SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH.
2. ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.



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	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

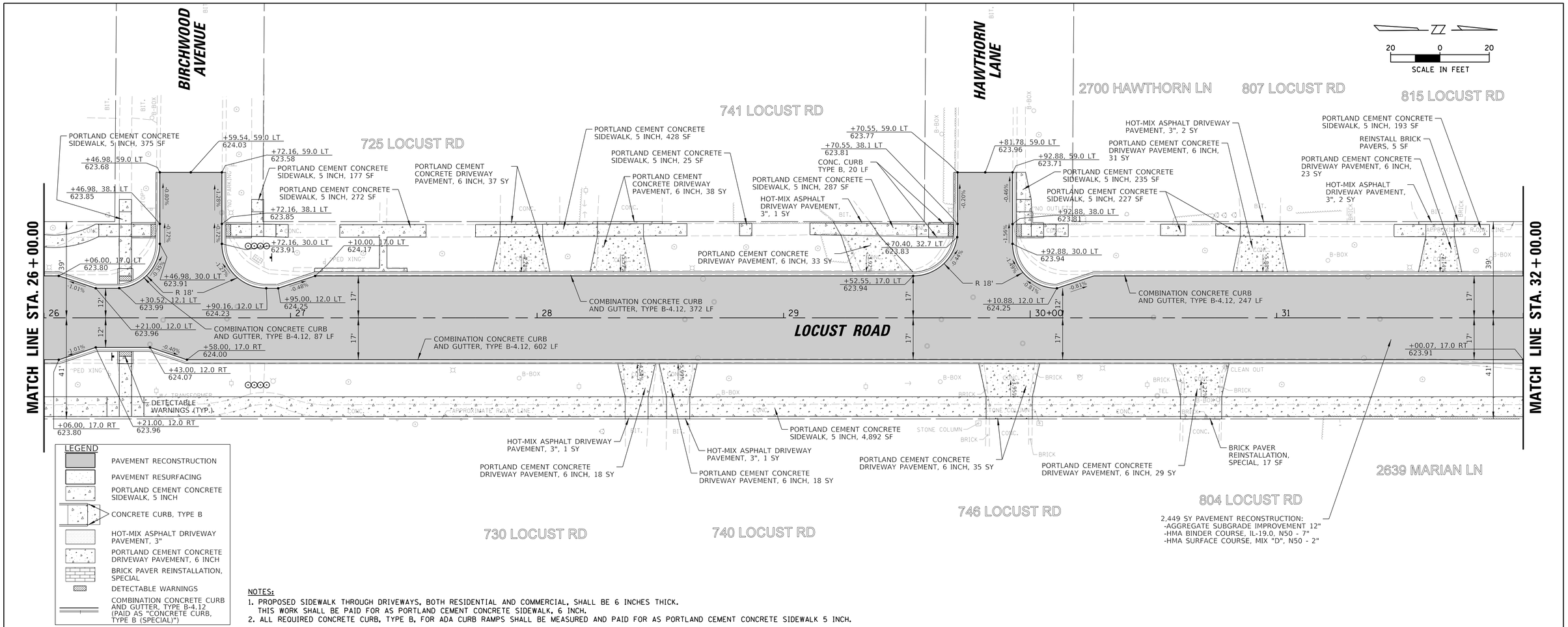
LOCUST ROAD
PROPOSED ROADWAY PLAN AND PROFILE

SCALE: 20' | SHEET 16 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	16
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

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

PROFILE: DATE | BY | SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.


BIRCHWOOD AVENUE
HAWTHORN LANE
MATCH LINE STA. 26+00.00
MATCH LINE STA. 32+00.00
LOCUST ROAD
SCALE IN FEET
20 0 20
725 LOCUST RD
741 LOCUST RD
2700 HAWTHORN LN
807 LOCUST RD
815 LOCUST RD
730 LOCUST RD
740 LOCUST RD
746 LOCUST RD
804 LOCUST RD
2639 MARIAN LN
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 375 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 177 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 272 SF
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 37 SY
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 428 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 25 SF
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 38 SY
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 287 SF
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3", 1 SY
CONC. CURB TYPE B, 20 LF
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 33 SY
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 235 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 227 SF
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3", 2 SY
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 31 SY
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 193 SF
REINSTALL BRICK PAVERS, 5 SF
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 23 SY
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3", 2 SY
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12, 372 LF
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12, 87 LF
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12, 602 LF
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12, 247 LF
DETECTABLE WARNINGS (TYP.)
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3", 1 SY
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 18 SY
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3", 1 SY
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 18 SY
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, 4,892 SF
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 35 SY
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, 29 SY
BRICK PAVER REINSTALLATION, SPECIAL, 17 SF
2,449 SY PAVEMENT RECONSTRUCTION:
-AGGREGATE SUBGRADE IMPROVEMENT 12"
-HMA BINDER COURSE, IL-19.0, N50 - 7"
-HMA SURFACE COURSE, MIX "D", N50 - 2"
+46.98, 59.0 LT 623.68
+59.54, 59.0 LT 624.03
+72.16, 59.0 LT 623.58
+46.98, 38.1 LT 623.85
+72.16, 38.1 LT 623.85
+72.16, 30.0 LT 623.91
+10.00, 17.0 LT 624.17
+06.00, 17.0 LT 623.80
+46.98, 30.0 LT 623.91
+30.52, 12.1 LT 623.99
+90.16, 12.0 LT 624.23
+95.00, 12.0 LT 624.25
+21.00, 12.0 LT 623.96
+58.00, 17.0 RT 624.00
+43.00, 12.0 RT 624.07
+06.00, 17.0 RT 623.80
+21.00, 12.0 RT 623.96
+70.55, 59.0 LT 623.77
+70.55, 38.1 LT 623.81
+70.40, 32.7 LT 623.83
+52.55, 17.0 LT 623.94
+81.78, 59.0 LT 623.96
+92.88, 59.0 LT 623.71
+92.88, 38.0 LT 623.81
+92.88, 30.0 LT 623.94
+10.88, 12.0 LT 624.25
+00.07, 17.0 RT 623.91
R 18'
26
27
28
29
30+00
31
39'
41'
12'
17'
-0.40%
-0.20%
-0.46%
-0.61%
-0.51%
+1.01%
+1.56%
+1.78%
-1.78%
-1.56%
-0.95%
-1.01%
-0.72%
-0.98%
-0.84%
-0.55%
-0.72%
-0.80%
-0.95%
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-0.80%
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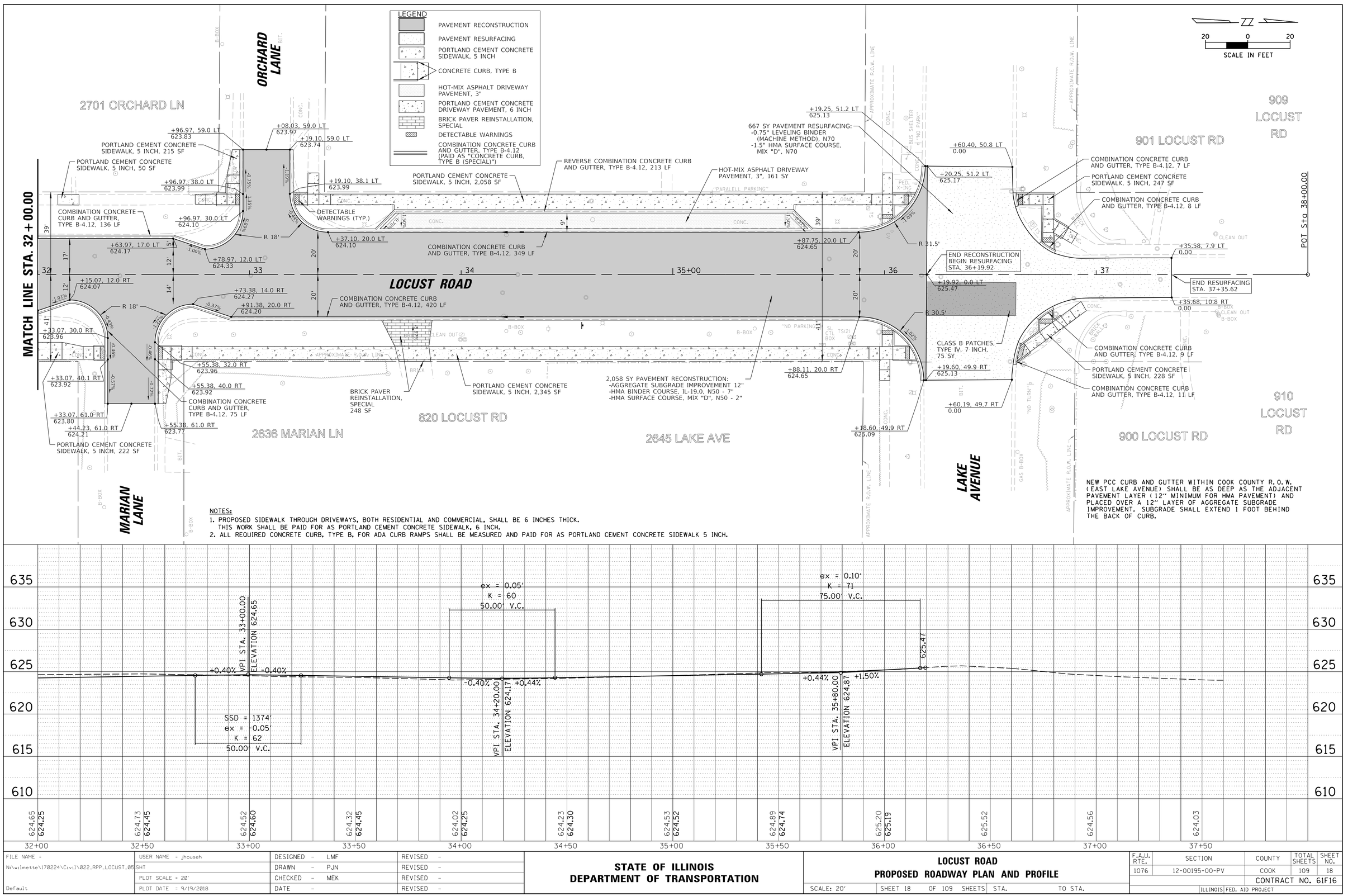
-0.72%
-0.80%
-0.95



NOTES:

1. PROPOSED SIDEWALK THROUGH DRIVEWAYS, BOTH RESIDENTIAL AND COMMERCIAL, SHALL BE 6 INCHES THICK. THIS WORK SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH.
2. ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

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	PLOT SCALE = 20'	DRAWN - PJN	REVISED -
Default	PLOT DATE = 9/19/2018	CHECKED - MEK	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY PLAN AND PROFILE

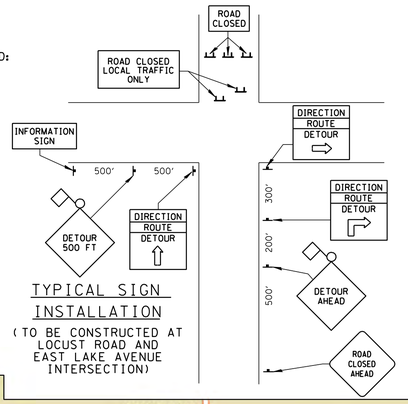
SCALE: 20' | SHEET 18 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	18
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

PLAN: SURVEYED, PLOTTED, CROSS SECTIONED, BM. NOTED, NOTE BOOK, NO.; DESIGNED, CHECKED, RT. OF WAY CHECKED, CADD FILE NAME; DATE; BY

PROFILE: SURVEYED, PLOTTED, CROSS SECTIONED, BM. NOTED, NOTE BOOK, NO.; DESIGNED, CHECKED, RT. OF WAY CHECKED, STRUCTURE NO(S)/TNS, CHKD; DATE; BY

NOTE:
THE FOLLOWING INTERSECTIONS ARE SIGNALIZED:
-LAKE AVENUE AND HIBBARD ROAD
-LAKE AVENUE AND SKOKIE ROAD
-SKOKIE ROAD AND HIBBARD ROAD
-SKOKIE ROAD AND WILMETTE AVENUE



TYPICAL SIGN INSTALLATION

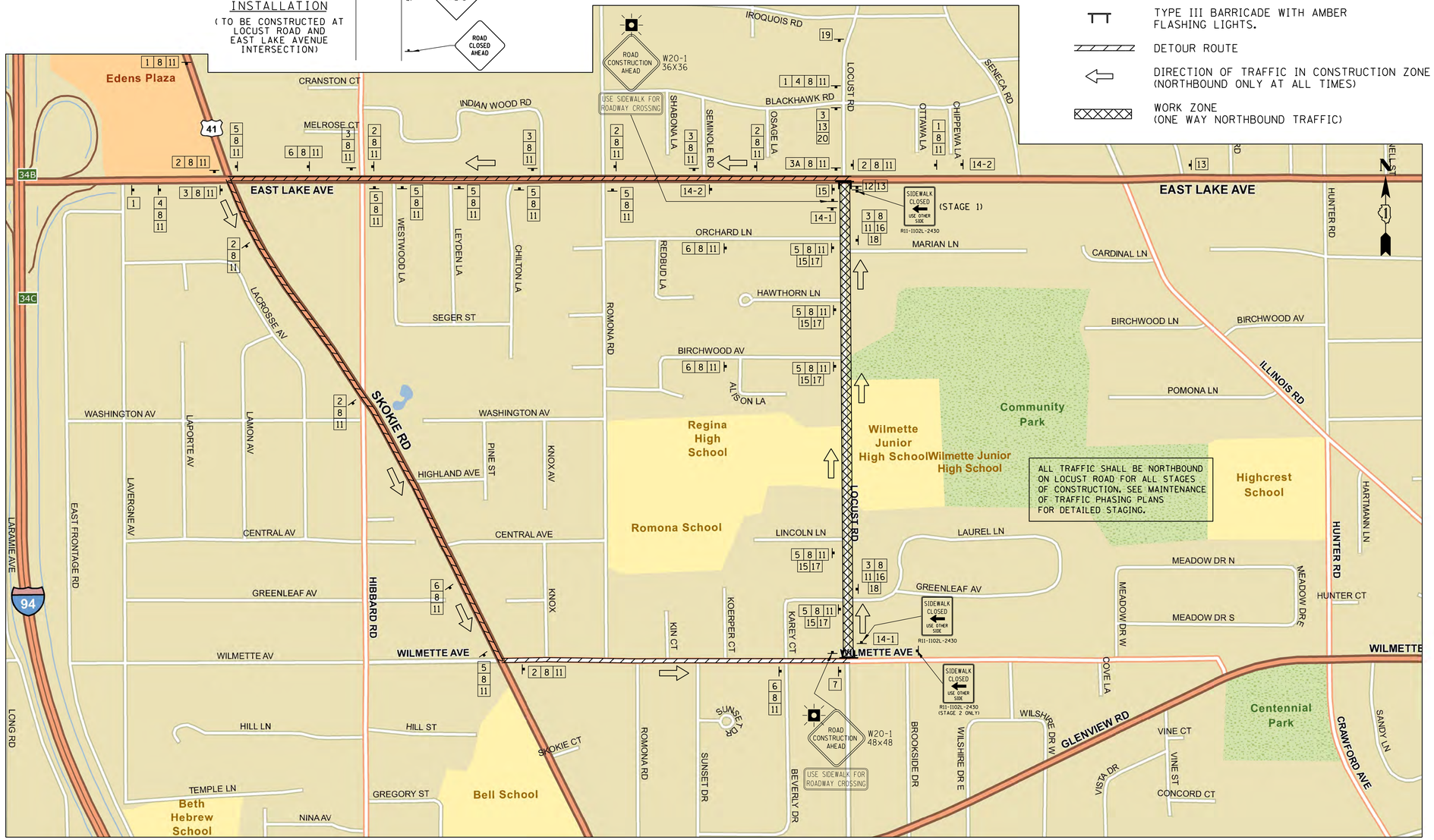
(TO BE CONSTRUCTED AT LOCUST ROAD AND EAST LAKE AVENUE INTERSECTION)

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. DRUM MINIMUM SPACING: 50' C-C TANGENT SECTION, 15' C-C AT CORNERS.
2. ALL SIGNAGE TO BE IN ACCORDANCE WITH MUTCD. SUGGESTED MAINTENANCE OF TRAFFIC SHOWN IS MINIMUM REQUIRED; CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY RESIDENT ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. DETOUR OF SOUTHBOUND TRAFFIC WILL REMAIN THROUGH THE COMPLETION OF LOCUST ROAD. SOUTHBOUND LOCAL TRAFFIC MUST BE ROUTED AROUND THE CONSTRUCTION ZONE PER THE DETOUR ROUTE AND ROAD CLOSED SIGNS. THE CONTRACTOR IS REQUIRED TO NOTIFY AND DIRECT RESIDENTS AND NECESSARY TRAFFIC (GARBAGE, EMERGENCY, SCHOOL AND PACE BUSES) THROUGH OR AROUND THE WORK ZONE ON A DAILY BASIS. ONE THRU LANE SHALL BE MAINTAINED ON BY THE CLOSE OF EACH WORK DAY AND OVERNIGHT PER THE MAINTENANCE OF TRAFFIC PLAN.
4. THIS TRAFFIC PLAN SHOWS ONLY THE MINIMUM SIGNAGE REQUIRED FOR THE PERMANENT DETOUR. LOCAL DETOURS AND SIGNS REQUIRED FOR SAFETY ARE NOT SHOWN HERE.
5. DURING CONSTRUCTION OF LOCUST ROAD, THE NORTHBOUND TRAFFIC WILL REMAIN OPEN AT ALL TIMES WHILE THE SOUTHBOUND TRAFFIC WILL BE CLOSED AND DETOURED AS SHOWN ON THE DETOUR ROUTE PLAN.

LEGEND

- SIGNALIZED INTERSECTION
- 48" x 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT AND ORANGE WARNING FLAG. NUMBER DENOTES TYPE.
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND CARDINAL DIRECTION PLATE. NUMBER DENOTES TYPE.
- OTHER DETOUR SIGNS. NUMBER DENOTES TYPE.
- TYPE III BARRICADE WITH AMBER FLASHING LIGHTS.
- DETOUR ROUTE
- DIRECTION OF TRAFFIC IN CONSTRUCTION ZONE (NORTHBOUND ONLY AT ALL TIMES)
- WORK ZONE (ONE WAY NORTHBOUND TRAFFIC)



SCHEDULE OF SIGNS

SIGN NO.	SIGN TYPE
1	DETOUR AHEAD — W20-2(0)-4848
2	DETOUR ⇧ — M4-9 (0) 3024
3	DETOUR ⇨ — M4-9 R (0) 3024
3A	DETOUR ⇨ — M4-8R-3015 (USE WITHIN COOK COUNTY R.O.W.)
4	DETOUR ↱ — M4-9 R (0) 3024
5	DETOUR ⇦ — M4-9 L (0) 3024
6	DETOUR ⇦ — M4-9 L (0) 3024
7	END DETOUR — M4-8a (0) 2418
8	Locust Road — SPECIAL NO. 1 4830
9	EAST — M3-2 (0) 2412
10	WEST — M3-4 (0) 2412
11	SOUTH — M3-3 (0) 2412
12	ROAD CLOSED — R-11-2-4830
13	Locust Road CLOSED SOUTHBOUND — SPECIAL NO. 2 6030
14-1	CHANGEABLE MESSAGE SIGN, SPECIAL (ONLY 2 WEEKS PRIOR TO CONSTRUCTION)
14-2	CHANGEABLE MESSAGE SIGN, SPECIAL (DURATION OF CONSTRUCTION)
15	R3-1 3636
16	R3-2 3636
17	ONE WAY — R6-1L 5418
18	ONE WAY — R6-1R 5418
19	ROAD CLOSED AHEAD — W20-3(0)-4848
20	ROAD CLOSED 500 FT — W20-3(0)-4848

NOTE:
1. ADVANCED WARNING CHANGEABLE MESSAGE BOARDS SHALL BE POSTED AT BOTH ENDS OF THE ROADWAY 2 WEEKS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WITHIN THE VILLAGE'S RIGHT-OF-WAY NOTIFYING THE MOTORING PUBLIC OF THE UPCOMING WORK (ROAD CONSTRUCTION/LANE REDUCTION BEGINNING _____. EXPECT DELAYS, SEEK ALTERNATE ROUTES, ROAD CLOSED TO ALL SOUTHBOUND TRAFFIC, ETC.). THE LANGUAGE MUST BE PROVIDED TO THE VILLAGE FOR REVIEW/APPROVAL PRIOR TO THEIR ACTIVATION. THE MESSAGE BOARD LOCATION SHALL BE REVIEWED AND APPROVED BY THE VILLAGE PRIOR TO PLACEMENT. THIS SHALL BE PAID FOR AS CHANGEABLE MESSAGE SIGN, SPECIAL.
2. TWO WEEKS ADVANCE NOTIFICATION TO THE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS IS REQUIRED PRIOR TO THE OPERATION OF THE DETOUR ROUTE.

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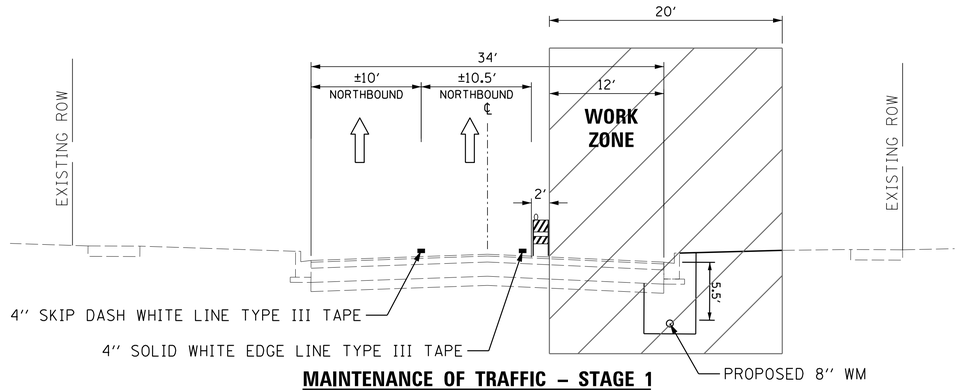
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC – DETOUR ROUTE

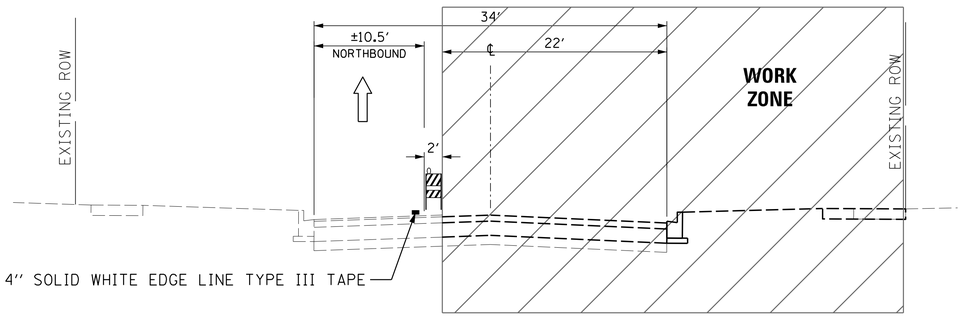
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	19
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

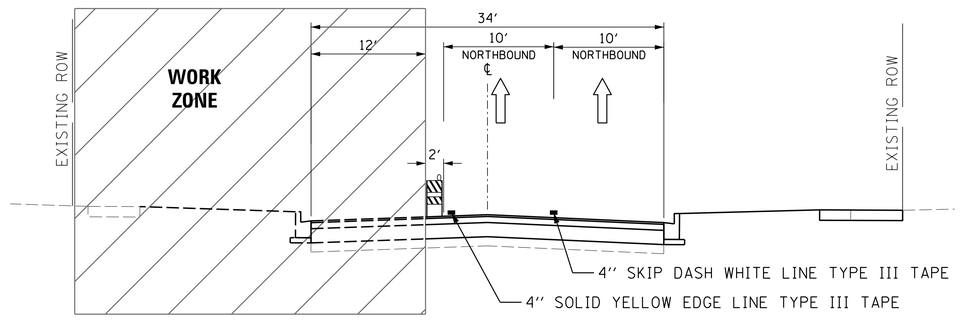


MAINTENANCE OF TRAFFIC – STAGE 1

STA. 10+19.15 TO STA. 18+75.39
STA. 18+75.39 TO STA. 22+75.00 (SATURDAYS ONLY)
STA. 22+75.00 TO STA. 36+19.92



MAINTENANCE OF TRAFFIC – STAGE 2



MAINTENANCE OF TRAFFIC – STAGE 3

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. A MINIMUM ONE LANE OF TRAFFIC WILL BE MAINTAINED AT ALL TIMES IN THE NORTHBOUND DIRECTION PER THE MAINTENANCE OF TRAFFIC PLANS.
2. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF WILMETTE TEN (10) DAYS PRIOR TO THE ESTIMATED DATE THAT THE ROADWAY WILL BE READY FOR THE APPLICATION OF PERMANENT PAVEMENT MARKING. IT SHALL BE THE CONTRACTOR'S RESONSIBILITY TO HAVE THE ROADWAY CLEANED OF ANY DIRT, GRAVEL, OIL, ETC. ON THE DAY PAVEMENT MARKINGS ARE APPLIED.
3. BARRICADE MINIMUM SPACING: 50' C-C TANGENT SECTION, 20' C-C SHIFTS, DROPS AND IN MEDIANS, 15' C-C AT CORNERS, OR AS SHOWN ON THE IDOT HIGHWAY STANDARDS.
4. ALL SIGNAGE TO BE IN ACCORDANCE WITH MUTCD. SUGGESTED MAINTENANCE OF TRAFFIC SHOWN IS MINIMUM REQUIRED; CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY RESIDENT ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL AND PROTECTION PAY ITEM.
5. SIDE STREETS (GREENLEAF AVENUE, LINCOLN LANE, BIRCHWOOD AVENUE, HAWTHORN LANE, MARIAN LANE, AND ORCHARD LANE) AND THE ADJOINING EXISTING PAVEMENT IN FRONT THEREOF SHALL REMAIN IN-PLACE / HAVE (MINIMUM) ONE LANE OPEN TO TRAFFIC AT ALL TIMES.
6. SEE IDOT HIGHWAY STANDARDS AND DISTRICT ONE DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
7. WORK HOURS ARE 7 A.M. – 7 P.M. MONDAY THROUGH FRIDAY AND 9 A.M. TO 5 P.M. ON SATURDAYS.

SUGGESTED STAGING SEQUENCE

PRE-STAGE

MAINTENANCE OF TRAFFIC

- ADVANCED WARNING CHANGEABLE MESSAGE BOARDS SHALL BE SET UP TWO-WEEKS IN ADVANCE OF CONSTRUCTION START DATE.
- ESTABLISH DETOUR FOR SOUTHBOUND LOCUST ROAD IN ACCORDANCE WITH THE MUTCD, THE DETOUR PLAN, AND AS DIRECTED BY THE ENGINEER.

CONSTRUCTION

- PLACE ALL EROSION CONTROL ITEMS PROJECT WIDE.

STAGE 1 – WATER MAIN AND STORM SEWER INSTALLATION:

MAINTENANCE OF TRAFFIC

- ESTABLISH TWO NORTHBOUND LANES IN ACCORDANCE WITH IDOT STANDARDS 701501, 701701, 701901, THE MUTCD, THE MOT PLAN, AND AS DIRECTED BY THE ENGINEER.
- BETWEEN THE HOURS OF 9 A.M. AND 3 P.M., THE TWO NORTHBOUND LANES MAY BE REDUCED TO ONE NORTHBOUND LANE IN THE IMMEDIATE WORK AREA UTILIZING MOVING LANE CLOSURES.

CONSTRUCTION

- INSTALL WATER MAIN, VALVE VAULTS, FIRE HYDRANTS, AND ALL APPURTENANCES, AND REMOVE EXISTING WATER MAIN AND APPURTENANCES PER THE PLANS
- ANY WORK DIRECTLY ADJACENT TO THE SCHOOL ENTRANCES (REGINA DOMINICAN HIGH SCHOOL AND WILMETTE JUNIOR HIGH SCHOOL) CANNOT BE DONE BEFORE 9 A.M. OR AFTER 3 P.M.
  - WATER MAIN SHALL BE CONSTRUCTED AS FOLLOWS:
    - START AT WILMETTE AVENUE AND PERFORM PROPOSED WATER IMPROVEMENTS HEADING NORTH TO VALVE VAULT AT STA. 18+75.50
    - START AT LAKE AVENUE AND PERFORM PROPOSED WATER MAIN IMPROVEMENTS HEADING SOUTH TO VALVE VAULT AT STA. 22+59.05
    - PROPOSED WATER MAIN IMPROVEMENTS BETWEEN STA. 18+75.50 AND 22+59.05 SHALL BE DONE ON SATURDAYS (AFTER THE WORK FROM WILMETTE AVENUE NORTH TO STA. 18+75.50 AND FROM LAKE AVENUE SOUTH TO STA. 22+59.05 ARE COMPLETED) AS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS AND TYPICAL SECTIONS SO AS NOT TO DISTURB SCHOOL TRAFFIC.
      - TEMPORARY PATCH WATER MAIN TRENCHES FOR LOCATIONS WITHIN STAGES 2 AND 3.
- REMOVE EAST SIDE CURB AND GUTTER.
- PAVEMENT REMOVAL/RECONSTRUCTION WILL NOT BE DONE AT THIS TIME.
- PLACE TEMPORARY PAVEMENT MARKINGS PER MOT PLAN.

STAGE 2 – ROADWAY CONSTRUCTION: CENTERLINE AND EAST SIDE

MAINTENANCE OF TRAFFIC

- ESTABLISH THE ONE NORTHBOUND LANE IN ACCORDANCE WITH IDOT STANDARDS 701501, 701701, 701901, THE MUTCD, THE MOT PLAN, AND AS DIRECTED BY THE ENGINEER.

CONSTRUCTION

- ANY WORK DIRECTLY ADJACENT TO THE SCHOOL ENTRANCES (REGINA DOMINICAN HIGH SCHOOL AND WILMETTE JUNIOR HIGH SCHOOL) CANNOT BE DONE BEFORE 9 A.M. OR AFTER 3 P.M.
- INSTALL MAINLINE STORM SEWER, LATERALS, AND DRAINAGE STRUCTURES.
  - TEMPORARY PATCH STORM SEWER TRENCHES FOR LOCATIONS WITHIN STAGE 3.
- REMOVE EASTERN 22 FEET OF EXISTING PAVEMENT PER MOT PLANS AND TYPICAL SECTIONS.
- CONSTRUCT SUBGRADE AND PROPOSED PAVEMENT UP TO THE BINDER COURSE.
- HMA SURFACE COURSE WILL NOT BE PLACED AT THIS TIME.
- PLACE TEMPORARY PAVEMENT MARKINGS PER MOT PLAN.
- CONSTRUCT SIDEWALK AND MULTI-USE PATH ON EAST SIDE OF LOCUST ROAD.
- PLACE TOPSOIL AND SALT TOLERANT SODDING.

STAGE 3 – ROADWAY CONSTRUCTION: WEST SIDE

MAINTENANCE OF TRAFFIC

- MAINTAIN THE NORTHBOUND LANE ON THE NEW PAVEMENT IN ACCORDANCE WITH IDOT STANDARDS 701301, 701501 AND 701901, THE MUTCD, AND AS DIRECTED BY THE ENGINEER.
- SHIFT THE TWO NORTHBOUND LANES ONTO THE PAVEMENT CONSTRUCTED IN STAGE 2 IN ACCORDANCE WITH IDOT STANDARDS 701801 AND 701901, THE MUTCD, THE MOT PLANS AND AS DIRECTED BY THE ENGINEER.

CONSTRUCTION

- ANY WORK DIRECTLY ADJACENT TO THE SCHOOL ENTRANCES (REGINA DOMINICAN HIGH SCHOOL AND WILMETTE JUNIOR HIGH SCHOOL) CANNOT BE DONE BEFORE 9 A.M. OR AFTER 3 P.M.
- REMOVE WESTERN 12 FEET OF EXISTING PAVEMENT PER MOT PLANS AND TYPICAL SECTIONS.
- REMOVE WEST SIDE CURB AND GUTTER.
- CONSTRUCT SUBGRADE AND PROPOSED PAVEMENT UP TO THE BINDER COURSE.
- CONSTRUCT SIDEWALK ON WEST SIDE OF LOCUST ROAD.
- PLACE TOPSOIL AND SALT TOLERANT SODDING.
- PLACE HMA SURFACE COURSE OVER FULL WIDTH OF ROADWAY.
- PLACE FINAL PAVEMENT MARKINGS.

POST-STAGE

- REMOVE DETOUR ROUTE SIGNAGE FOR SOUTHBOUND LOCUST ROAD DETOUR.
- REMOVE ANY TEMPORARY EROSION CONTROL ITEMS AS DIRECTED BY THE ENGINEER.

WATER MAIN INSTALLATION SEQUENCE

THE CONTACTOR SHALL FOLLOW THE SEQUENCING AS DESCRIBED BELOW FOR THE WATER MAIN INSTALLATION UNLESS APPROVED BY THE ENGINEER.

LOCUST ROAD FROM WILMETTE AVENUE NORTH TO STA. 18+75.50

THE PROPOSED 8" AND 6" WATER MAIN SHALL BE INSTALLED ON LOCUST ROAD FROM WILMETTE AVENUE HEADING NORTH TO THE PROPOSED VALVE VAULT AT STATION 18+75.50.

AS INDICATED ON THE PLANS, THIS WORK SHOULD BE COMPLETED BEFORE THE PROPOSED WATER MAIN CONSTRUCTION IN FRONT OF THE SCHOOLS (REGINA DOMINICAN HIGH SCHOOL AND WILMETTE JUNIOR HIGH SCHOOL), STATION 18+75.50 TO STATION 22+59.05, AND EITHER BEFORE THE CONSTRUCTION FROM LAKE AVENUE SOUTH OR CONCURRENTLY.
ALL MATERIALS NECESSARY TO PERFORM THIS TASK SHOULD BE IN THE FIELD AT LEAST 1 DAY PRIOR TO WORK ON THIS TASK. NO MATERIALS MAY BE STORED BETWEEN STATION 18+75.50 AND STATION 22+59.05. PROVIDE TRAFFIC PROTECTION FOR THIS ASSEMBLY.

AT THIS TIME, THE NEW WATER MAINS MAY BE FLUSHED, PRESSURE TESTED AND CHLORINATED. AFTER THE ACCEPTANCE OF THE DISINFECTION TESTING, THE WATER SERVICES MAY BE TAPPED. SIZES AND LOCATIONS SHALL BE CONFIRMED BY THE CONTRACTOR BEFORE INSTALLATION. THE TEMPORARY FIRE HYDRANTS MAY THEN BE CAREFULLY REMOVED AND GIVEN TO THE VILLAGE FOR THEIR USE, AND THE EXISTING WATER MAINS MAY BE CUT, FILLED WITH TRENCH BACKFILL, AND CAPPED AS INDICATED ON THE PLANS.

LOCUST ROAD FROM LAKE AVENUE SOUTH TO STA. 22+59.05

THE PROPOSED 8" AND 6" WATER MAIN SHALL BE INSTALLED ON LOCUST ROAD FROM LAKE AVENUE HEADING SOUTH TO THE PROPOSED VALVE VAULT AT STATION 22+59.05.

AS INDICATED ON THE PLANS, THIS WORK SHOULD BE COMPLETED BEFORE THE PROPOSED WATER MAIN CONSTRUCTION IN FRONT OF THE SCHOOLS (REGINA DOMINICAN HIGH SCHOOL AND WILMETTE JUNIOR HIGH SCHOOL), STATION 18+75.50 TO STATION 22+59.05, AND EITHER AFTER THE CONSTRUCTION FROM WILMETTE AVENUE NORTH OR CONCURRENTLY.
ALL MATERIALS NECESSARY TO PERFORM THIS TASK SHOULD BE IN THE FIELD AT LEAST 1 DAY PRIOR TO WORK ON THIS TASK. NO MATERIALS MAY BE STORED BETWEEN STATION 18+75.50 AND STATION 22+59.05. PROVIDE TRAFFIC PROTECTION FOR THIS ASSEMBLY.

AT THIS TIME, THE NEW WATER MAINS MAY BE FLUSHED, PRESSURE TESTED AND CHLORINATED. AFTER THE ACCEPTANCE OF THE DISINFECTION TESTING, THE WATER SERVICES MAY BE TAPPED. SIZES AND LOCATIONS SHALL BE CONFIRMED BY THE CONTRACTOR BEFORE INSTALLATION. THE TEMPORARY FIRE HYDRANTS MAY THEN BE CAREFULLY REMOVED AND GIVEN TO THE VILLAGE FOR THEIR USE, AND THE EXISTING WATER MAINS MAY BE CUT, FILLED WITH TRENCH BACKFILL, AND CAPPED AS INDICATED ON THE PLANS.

LOCUST ROAD FROM STA. 18+75.50 TO STA. 22+59.05

THE PROPOSED 8" AND 6" WATER MAIN SHALL BE INSTALLED ON LOCUST ROAD FROM THE PROPOSED VALVE VAULT AT STATION 18+75.50 TO THE PROPOSED VALVE VAULT AT STATION 22+59.05.

AS INDICATED ON THE PLANS, THIS WORK SHOULD BE COMPLETED AFTER THE CONSTRUCTION FROM WILMETTE AVENUE NORTH TO STATION 18+75.50 AND LAKE AVENUE SOUTH TO STATION 22+59.05.
THIS WORK SHALL OCCUR ONLY ON SATURDAYS. ALL MATERIALS NECESSARY TO PERFORM THIS TASK SHOULD BE IN THE FIELD A MAXIMUM OF 1 DAY PRIOR TO WORK ON THIS TASK. NO MATERIALS MAY BE STORED BETWEEN STATION 18+75.50 AND STATION 22+59.05 BETWEEN MONDAY AND THURSDAY OF EACH WEEK. PROVIDE TRAFFIC PROTECTION FOR THIS ASSEMBLY.

AT THIS TIME, THE NEW WATER MAINS MAY BE FLUSHED, PRESSURE TESTED AND CHLORINATED. AFTER THE ACCEPTANCE OF THE DISINFECTION TESTING, THE WATER SERVICES MAY BE TAPPED. SIZES AND LOCATIONS SHALL BE CONFIRMED BY THE CONTRACTOR BEFORE INSTALLATION. THE TEMPORARY FIRE HYDRANTS MAY THEN BE CAREFULLY REMOVED AND GIVEN TO THE VILLAGE FOR THEIR USE, AND THE EXISTING WATER MAINS MAY BE CUT, FILLED WITH TRENCH BACKFILL, AND CAPPED AS INDICATED ON THE PLANS.

NOTES:

1. ALL APPROPRIATE DO NOT ENTER, NO LEFT TURN / NO RIGHT TURN, AND ONE-WAY SIGNS ARE TO BE PLACED AT EVERY SIDE STREET AND DRIVEWAY WITHIN THE ONE-WAY ZONE OF LOCUST ROAD.
2. LAKE AVENUE TRAFFIC CONTROL NOTE FOR PROPOSED WATER MAIN WORK:
   A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701606-10 AND 701611-01.
3. DURING CONSTRUCTION OF LOCUST ROAD, THE NORTHBOUND TRAFFIC WILL REMAIN OPEN AT ALL TIMES WHILE THE SOUTHBOUND TRAFFIC WILL BE CLOSED AND DETOURED AS SHOWN ON THE DETOUR ROUTE PLAN.
4. TWO WEEKS ADVANCE NOTIFICATION TO THE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS IS REQUIRED PRIOR TO THE OPERATION OF THE DETOUR ROUTE.
5. DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG LOCUST ROAD AT EAST LAKE AVENUE, EAST LAKE AVENUE SHALL REMAIN OPEN FOR ALL TRAFFIC AT ALL TIMES. IF ANY ACTIVITY THAT REQUIRES ENCROACHMENT INTO A LANE OPEN TO TRAFFIC, THAT ACTIVITY SHALL BE RESTRICTED TO WITHIN THE HOURS OF 9:00AM TO 3:00PM.
6. IF ANY EXISTING PAVEMENT MARKING AND/OR SIGNING (EXCEPT THAT PROPOSED AS PART OF THE IMPROVEMENTS) ALONG EAST LAKE AVENUE AT LOCUST ROAD ARE/IS DAMAGED DUE TO THE CONSTRUCTION OF PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL REPLACE THE DAMAGED TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF COOK COUNTY PER IDOT AND IDOT-DISTRICT 1 STANDARDS FOR TRAFFIC CONTROL DEVICES FOR PAVEMENT MARKING AND SIGNAGE.

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Default	PLOT DATE = 9/19/2018	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS AND NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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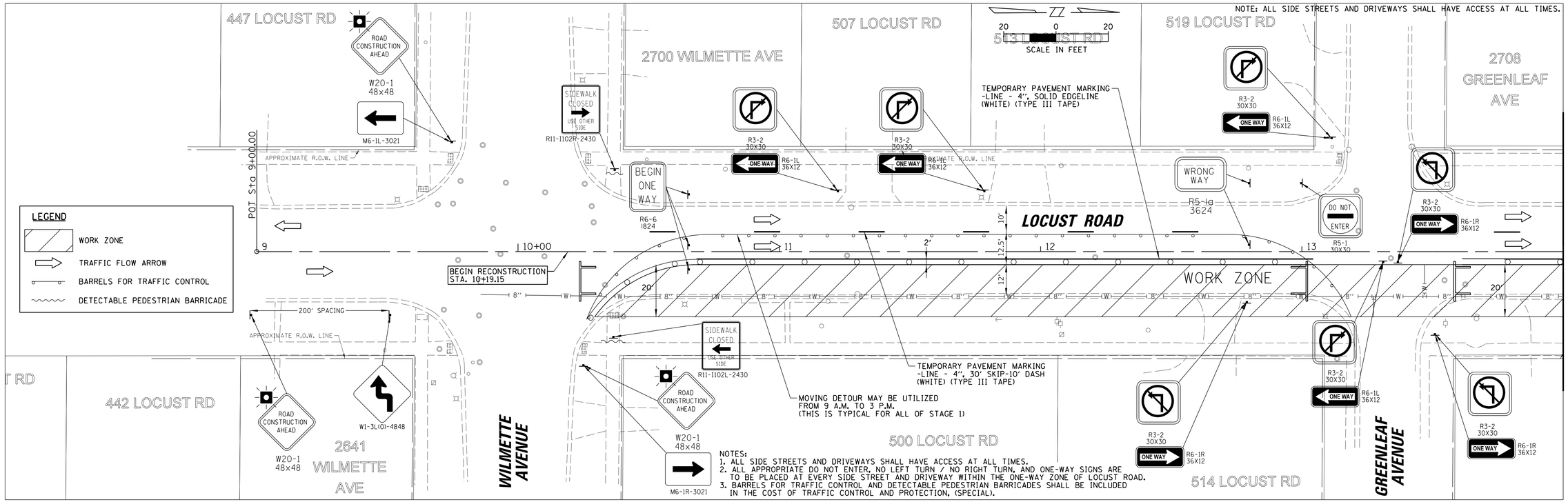
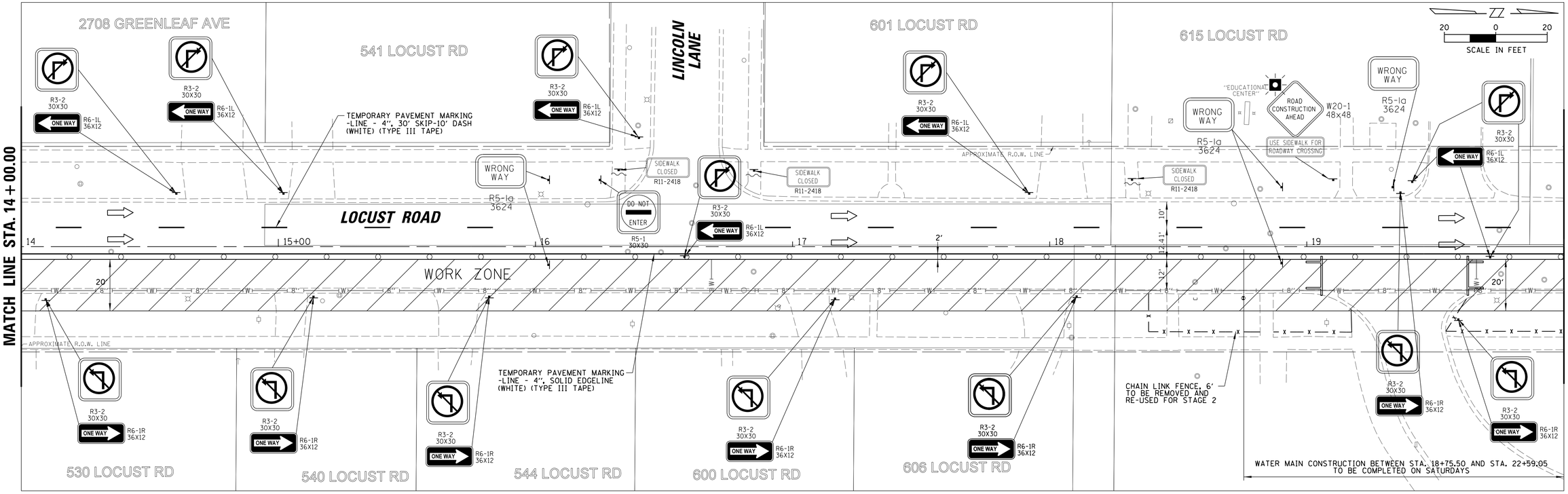
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			





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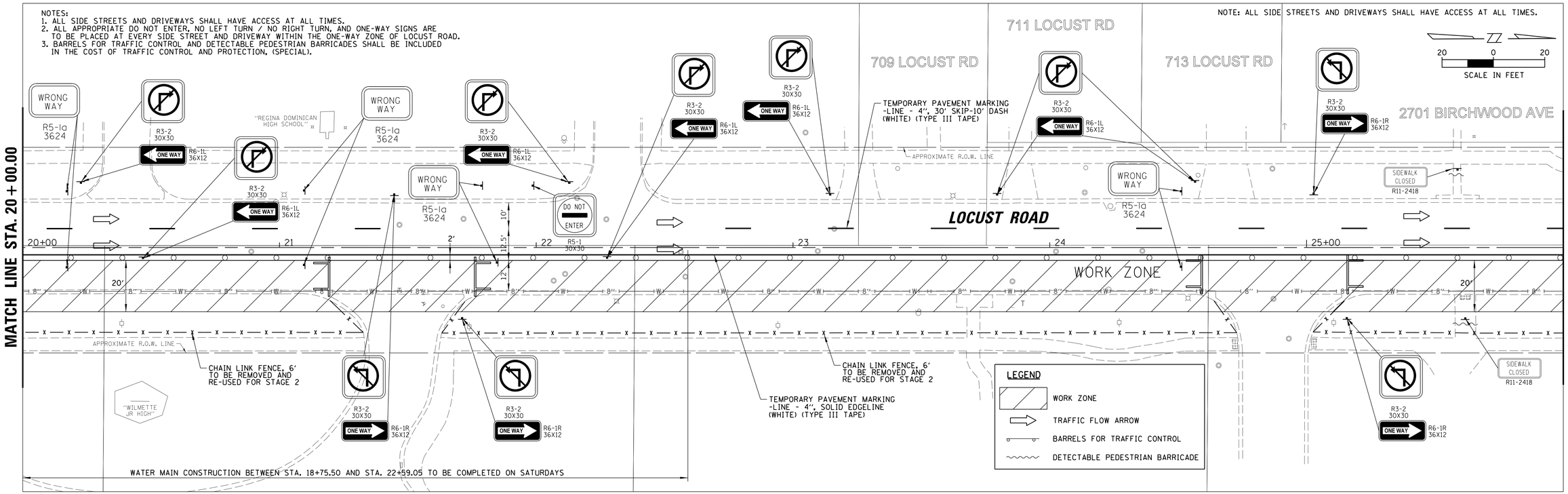
Default	PLOT DATE = 10/3/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 1

SCALE: 20' | SHEET 21 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	21
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 1

SCALE: 20' | SHEET 22 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	22
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

NOTES:
1. ALL SIDE STREETS AND DRIVEWAYS SHALL HAVE ACCESS AT ALL TIMES.
2. ALL APPROPRIATE DO NOT ENTER, NO LEFT TURN / NO RIGHT TURN, AND ONE-WAY SIGNS ARE TO BE PLACED AT EVERY SIDE STREET AND DRIVEWAY WITHIN THE ONE-WAY ZONE OF LOCUST ROAD.
3. BARRELS FOR TRAFFIC CONTROL AND DETECTABLE PEDESTRIAN BARRICADES SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
4. DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG LOCUST ROAD AT EAST LAKE AVENUE, EAST LAKE AVENUE SHALL REMAIN OPEN FOR ALL TRAFFIC AT ALL TIMES. IF ANY ACTIVITY THAT REQUIRES ENCROACHMENT INTO A LANE OPEN TO TRAFFIC, THAT ACTIVITY SHALL BE RESTRICTED TO WITHIN THE HOURS OF 9:00AM TO 3:00PM.
5. IF ANY EXISTING PAVEMENT MARKING AND/OR SIGNING (EXCEPT THAT PROPOSED AS PART OF THE IMPROVEMENTS) ALONG EAST LAKE AVENUE AT LOCUST ROAD ARE/IS DAMAGED DUE TO THE CONSTRUCTION OF PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL REPLACE THE DAMAGED TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF COOK COUNTY PER IDOT AND IDOT-DISTRICT 1 STANDARDS FOR TRAFFIC CONTROL DEVICES FOR PAVEMENT MARKING AND SIGNAGE.

WORK ZONE: STAGE 1A

MATCH LINE STA. 32+00.00 (STAGE 1A)

2701 ORCHARD LN

ORCHARD LANE

W1-6R(0)-6030

R3-2 30X30

R6-1L 36X12

WRONG WAY R5-1a 3624

DO NOT ENTER R5-1 30X30

TEMPORARY PAVEMENT MARKING -LINE - 4", SOLID EDGELINE (WHITE) (TYPE III TAPE)

TEMPORARY PAVEMENT MARKING -LINE - 4", SOLID EDGELINE (YELLOW) (TYPE III TAPE)

LOCUST ROAD

R3-H6B 4236

END ONE WAY R6-7 1824

R3-27-3636

SIDEWALK CLOSED USE OTHER SIDE R11-1102L-2430

END RECONSTRUCTION STA. 36+19.92

POT Sta 38+00.00

TEMPORARY PAVEMENT MARKING -LINE - 24", STOP BAR (WHITE) (TYPE III TAPE)

32 33 34 35+00 36 37

14' 2' 12' 20' 8" W

WORK ZONE: STAGE 1A

APPROXIMATE R.O.W. LINE

2636 MARIAN LN

MARIAN LANE

R6-1R 36X12

820 LOCUST RD

2645 LAKE AVE

WRONG WAY R5-1a 3624

SIDEWALK CLOSED USE OTHER SIDE R11-1102R-2430

END CONSTRUCTION G20-2 24X60

LAKE AVENUE

901 LOCUST RD

909 LOCUST RD

900 LOCUST RD

910 LOCUST RD

"NO LEFT TURN" SIGNAGE TO BE INSTALLED ON NEAR AND FAR MAST ARMS FOR WESTBOUND TRAFFIC AT LAKE AVENUE AND LOCUST ROAD INTERSECTION

SCALE IN FEET 20 0 20

LEGEND

- WORK ZONE: STAGE 1, 1A
- WORK ZONE: STAGE 1B
- TRAFFIC FLOW ARROW
- BARRELS FOR TRAFFIC CONTROL
- DETECTABLE PEDESTRIAN BARRICADE

LAKE AVENUE TRAFFIC CONTROL NOTE: A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701601-09, 701606-10, AND 701611-01.

WORK ZONE: STAGE 1B

MATCH LINE STA. 32+00.00 (STAGE 1B)

2701 ORCHARD LN
ORCHARD LANE
W1-6R(0)-6030
R3-2 30X30
R6-1L 36X12
WRONG WAY R5-1a 3624
DO NOT ENTER R5-1 30X30
TEMPORARY PAVEMENT MARKING -LINE - 4", SOLID EDGELINE (YELLOW) (TYPE III TAPE)
LOCUST ROAD
R3-H6B 4236
END ONE WAY R6-7 1824
R3-27-3636
SIDEWALK CLOSED USE OTHER SIDE R11-1102L-2430
END RECONSTRUCTION STA. 36+19.92
POT Sta 38+00.00
TEMPORARY PAVEMENT MARKING -LINE - 24", STOP BAR (WHITE) (TYPE III TAPE)
32 33 34 35+00 36 37
20' 8" W 12' 2' 14'
WORK ZONE: STAGE 1B
APPROXIMATE R.O.W. LINE
2636 MARIAN LN
MARIAN LANE
R6-1R 36X12
820 LOCUST RD
2645 LAKE AVE
WRONG WAY R5-1a 3624
SIDEWALK CLOSED USE OTHER SIDE R11-1102R-2430
END CONSTRUCTION G20-2 24X60
LAKE AVENUE
901 LOCUST RD
909 LOCUST RD
900 LOCUST RD
910 LOCUST RD
"NO LEFT TURN" SIGNAGE TO BE INSTALLED ON NEAR AND FAR MAST ARMS FOR WESTBOUND TRAFFIC AT LAKE AVENUE AND LOCUST ROAD INTERSECTION

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	PLOT DATE = 10/3/2018	CHECKED - MEK	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 1

SCALE: 20' | SHEET 23 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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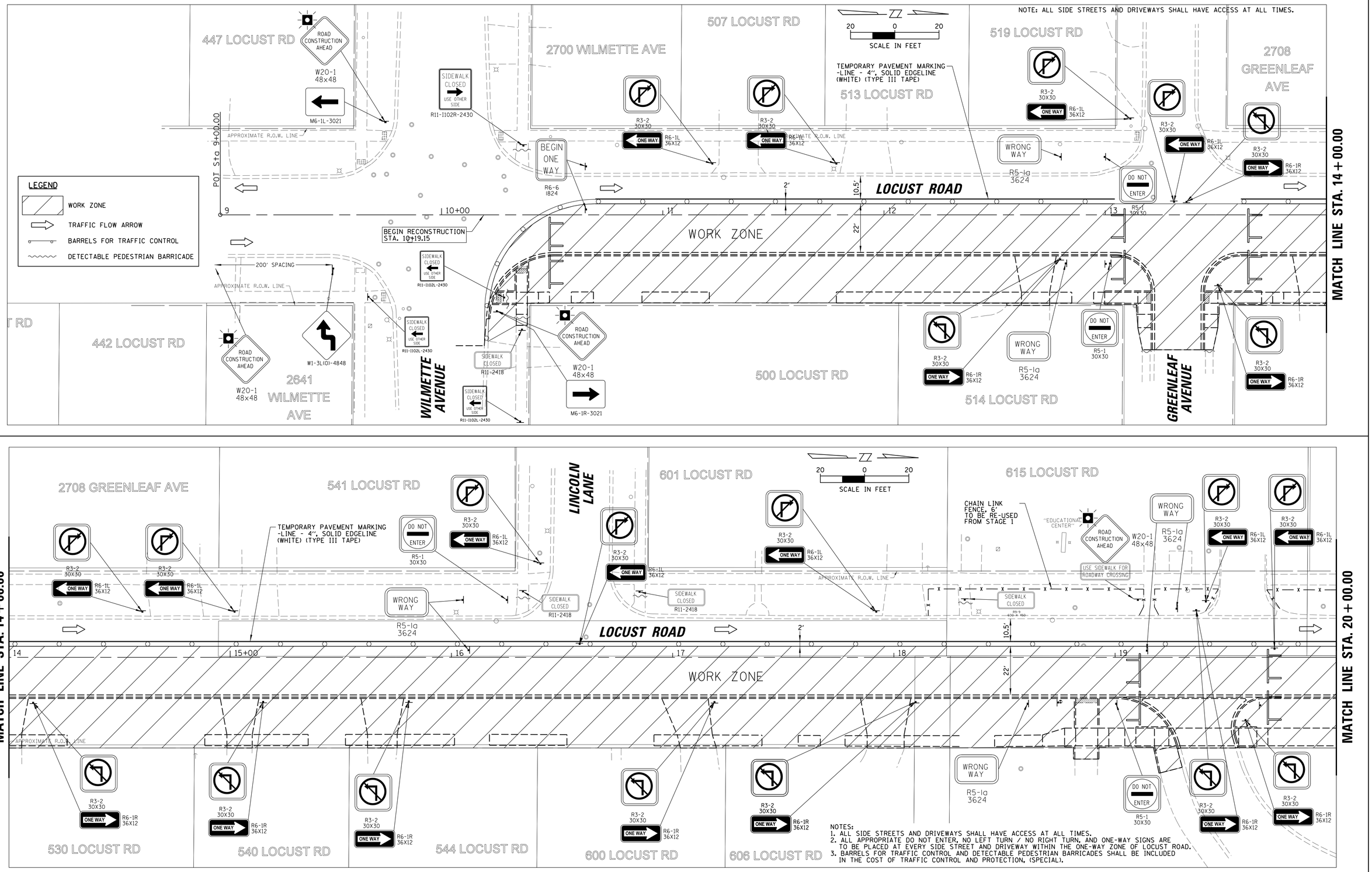
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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	PLOT DATE = 10/3/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 2

SCALE: 20' | SHEET 24 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61F16		
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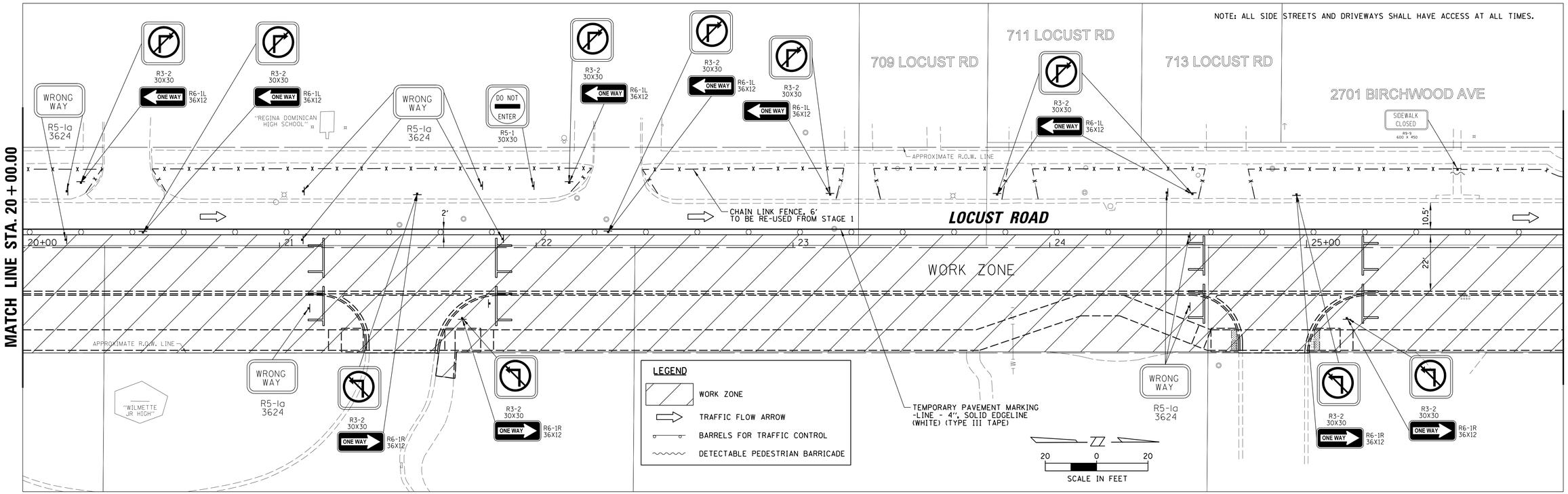

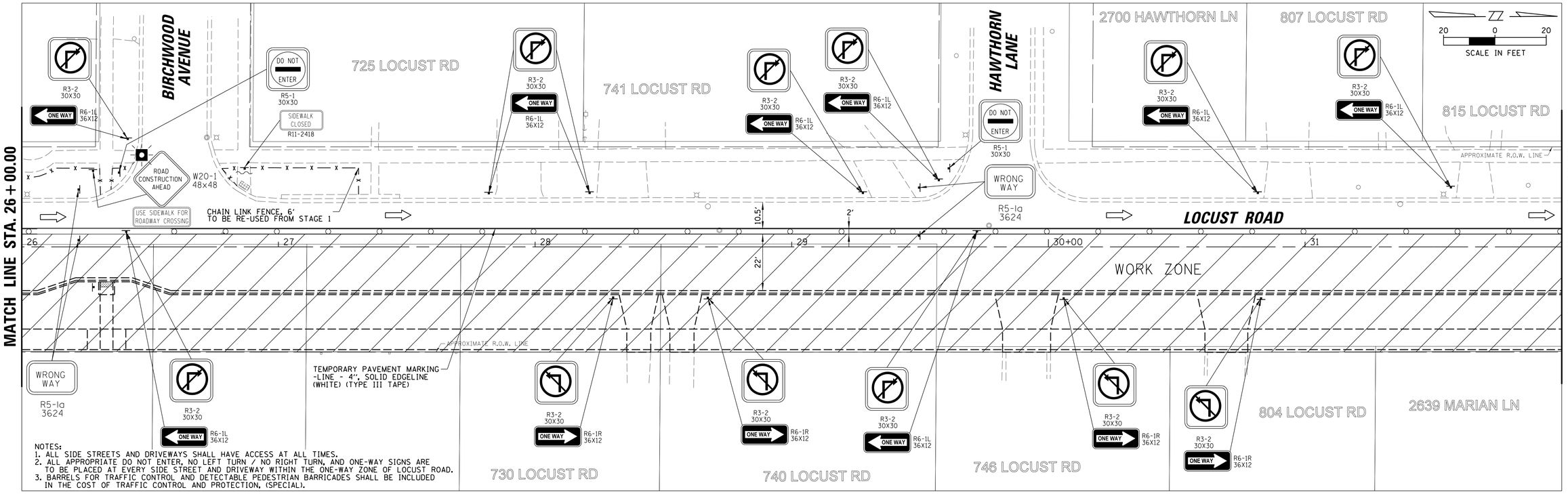

NOTES:
1. ALL SIDE STREETS AND DRIVEWAYS SHALL HAVE ACCESS AT ALL TIMES.
2. ALL APPROPRIATE DO NOT ENTER, NO LEFT TURN / NO RIGHT TURN, AND ONE-WAY SIGNS ARE TO BE PLACED AT EVERY SIDE STREET AND DRIVEWAY WITHIN THE ONE-WAY ZONE OF LOCUST ROAD.
3. BARRELS FOR TRAFFIC CONTROL AND DETECTABLE PEDESTRIAN BARRICADES SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

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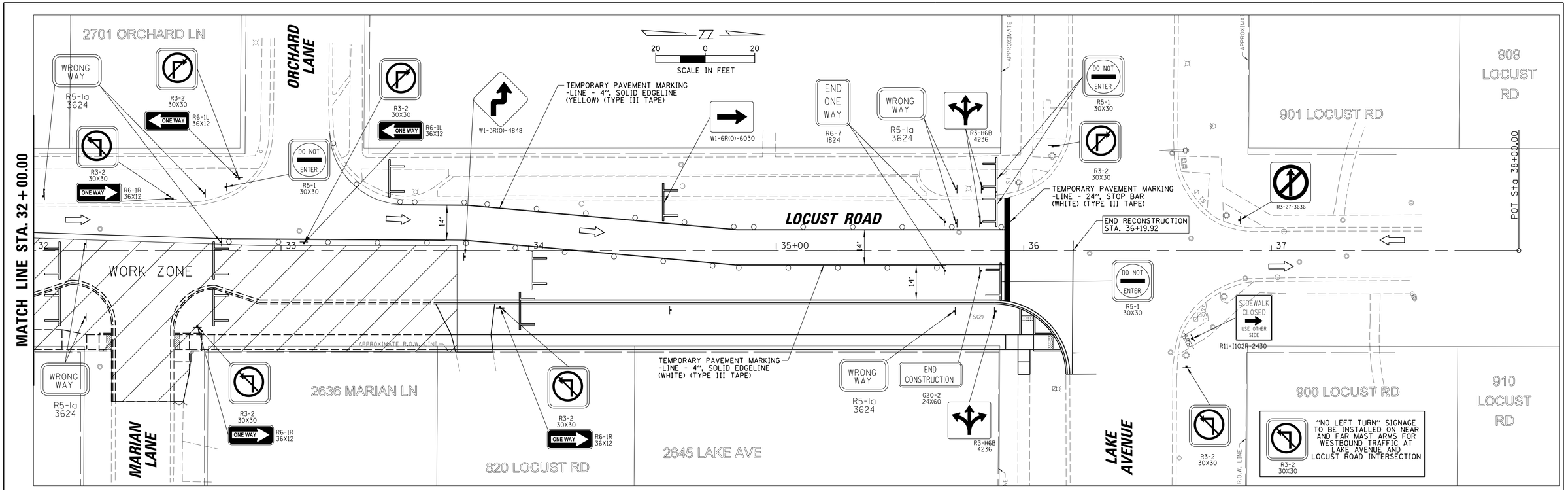
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 2

SCALE: 20' | SHEET 25 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	25
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



NOTES:
1. ALL SIDE STREETS AND DRIVEWAYS SHALL HAVE ACCESS AT ALL TIMES.
2. ALL APPROPRIATE DO NOT ENTER, NO LEFT TURN / NO RIGHT TURN, AND ONE-WAY SIGNS ARE TO BE PLACED AT EVERY SIDE STREET AND DRIVEWAY WITHIN THE ONE-WAY ZONE OF LOCUST ROAD.
3. BARRELS FOR TRAFFIC CONTROL AND DETECTABLE PEDESTRIAN BARRICADES SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
4. DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG LOCUST ROAD AT EAST LAKE AVENUE, EAST LAKE AVENUE SHALL REMAIN OPEN FOR ALL TRAFFIC AT ALL TIMES. IF ANY ACTIVITY THAT REQUIRES ENCROACHMENT INTO A LANE OPEN TO TRAFFIC, THAT ACTIVITY SHALL BE RESTRICTED TO WITHIN THE HOURS OF 9:00AM TO 3:00PM.
5. IF ANY EXISTING PAVEMENT MARKING AND/OR SIGNING (EXCEPT THAT PROPOSED AS PART OF THE IMPROVEMENTS) ALONG EAST LAKE AVENUE AT LOCUST ROAD ARE/IS DAMAGED DUE TO THE CONSTRUCTION OF PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL REPLACE THE DAMAGED TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF COOK COUNTY PER IDOT AND IDOT-DISTRICT 1 STANDARDS FOR TRAFFIC CONTROL DEVICES FOR PAVEMENT MARKING AND SIGNAGE.

LEGEND

- WORK ZONE
- TRAFFIC FLOW ARROW
- BARRELS FOR TRAFFIC CONTROL
- DETECTABLE PEDESTRIAN BARRICADE

LAKE AVENUE TRAFFIC CONTROL NOTE:
A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701601-09, 701606-10, AND 701611-01.

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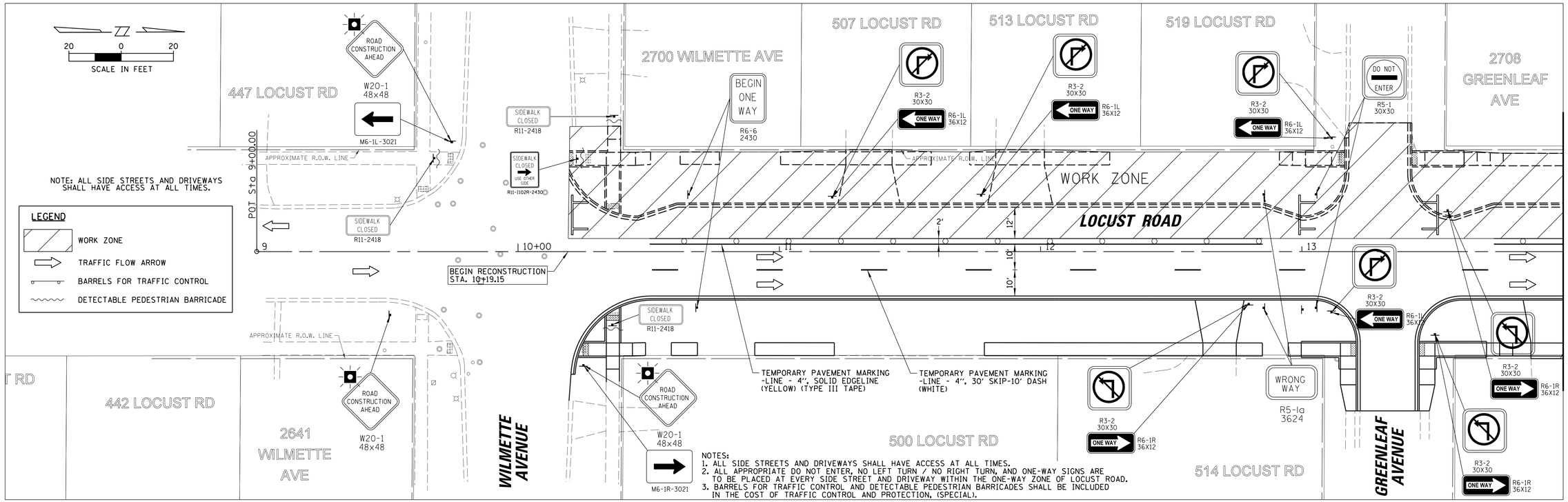
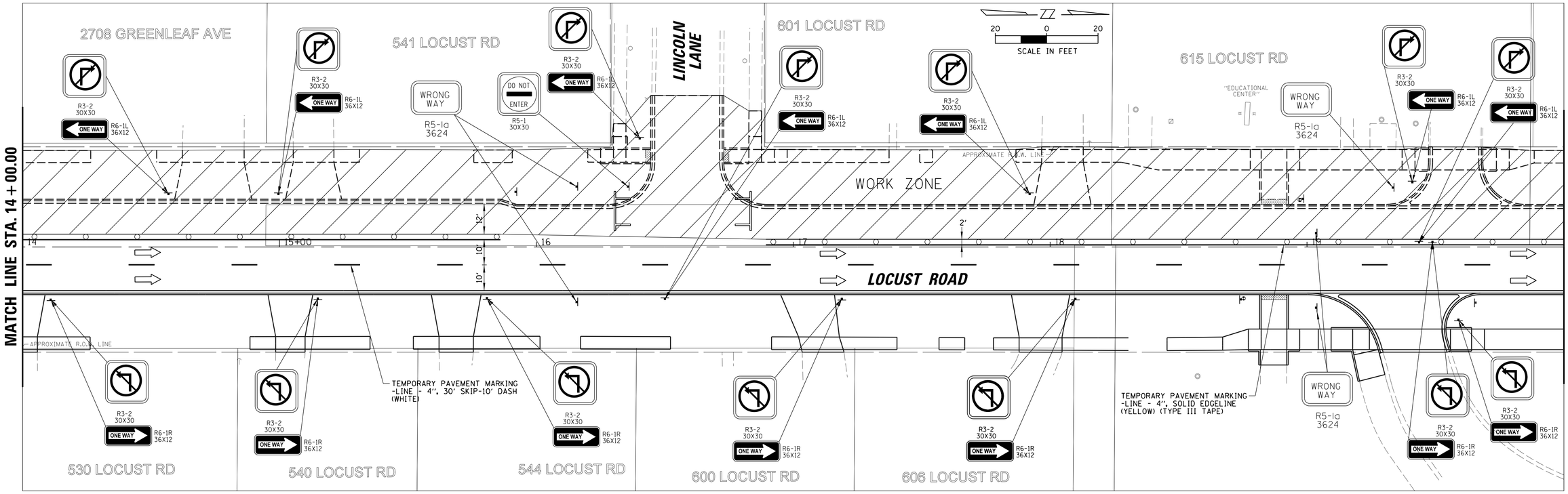
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 2

SCALE: 20' | SHEET 26 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	26
		CONTRACT NO. 61F16		
	ILLINOIS	FED. AID PROJECT		





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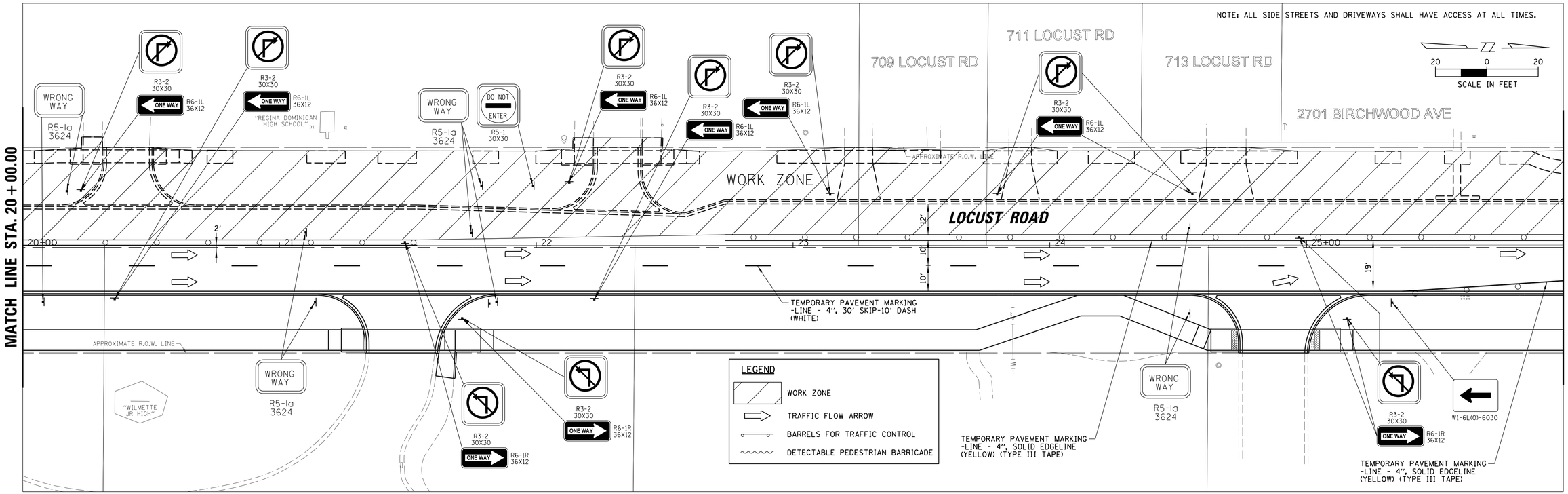
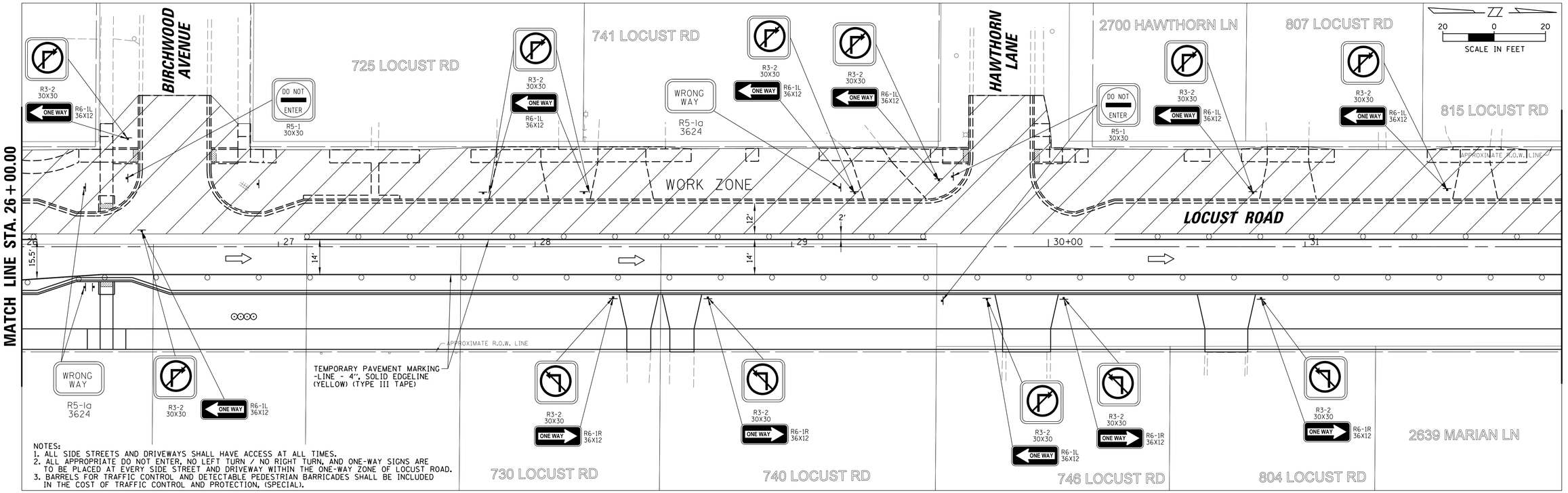
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 3

SCALE: 20' | SHEET 27 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	27
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			





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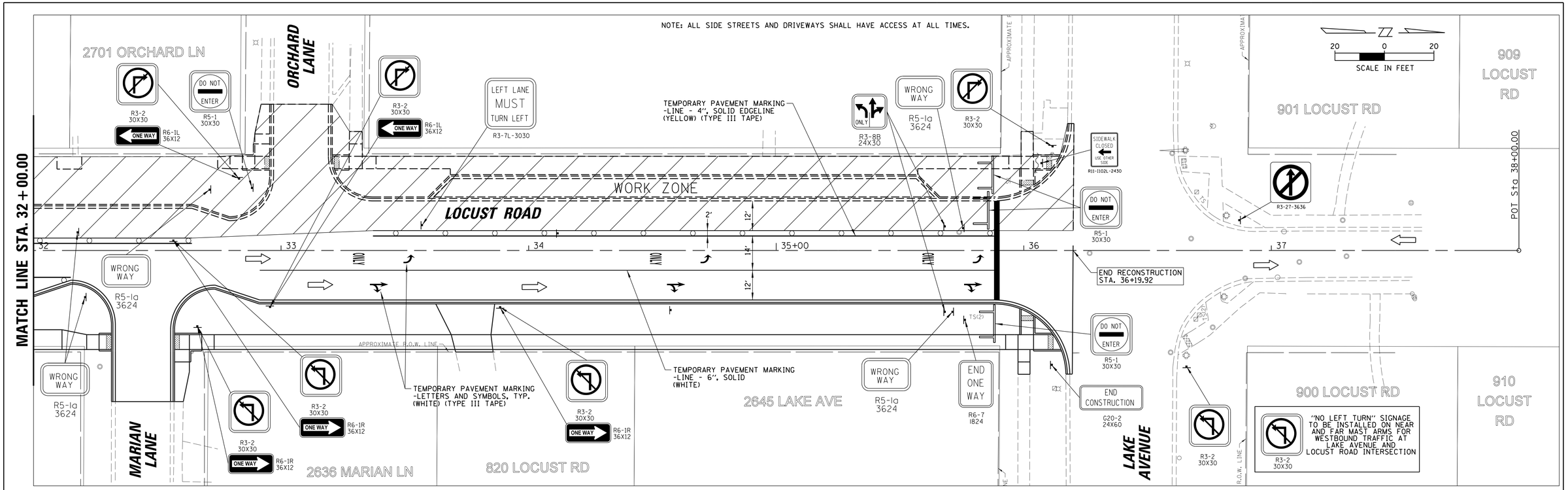
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 10/3/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 3

SCALE: 20' | SHEET 28 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	28
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



NOTES:
1. ALL SIDE STREETS AND DRIVEWAYS SHALL HAVE ACCESS AT ALL TIMES.
2. ALL APPROPRIATE DO NOT ENTER, NO LEFT TURN / NO RIGHT TURN, AND ONE-WAY SIGNS ARE TO BE PLACED AT EVERY SIDE STREET AND DRIVEWAY WITHIN THE ONE-WAY ZONE OF LOCUST ROAD.
3. BARRELS FOR TRAFFIC CONTROL AND DETECTABLE PEDESTRIAN BARRICADES SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
4. DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG LOCUST ROAD AT EAST LAKE AVENUE, EAST LAKE AVENUE SHALL REMAIN OPEN FOR ALL TRAFFIC AT ALL TIMES. IF ANY ACTIVITY THAT REQUIRES ENCROACHMENT INTO A LANE OPEN TO TRAFFIC, THAT ACTIVITY SHALL BE RESTRICTED TO WITHIN THE HOURS OF 9:00AM TO 3:00PM.
5. IF ANY EXISTING PAVEMENT MARKING AND/OR SIGNING (EXCEPT THAT PROPOSED AS PART OF THE IMPROVEMENTS) ALONG EAST LAKE AVENUE AT LOCUST ROAD ARE/IS DAMAGED DUE TO THE CONSTRUCTION OF PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL REPLACE THE DAMAGED TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF COOK COUNTY PER IDOT AND IDOT-DISTRICT 1 STANDARDS FOR TRAFFIC CONTROL DEVICES FOR PAVEMENT MARKING AND SIGNAGE.

LEGEND

- WORK ZONE
- TRAFFIC FLOW ARROW
- BARRELS FOR TRAFFIC CONTROL
- DETECTABLE PEDESTRIAN BARRICADE

LAKE AVENUE TRAFFIC CONTROL NOTE:
A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701601-09, 701606-10, AND 701611-01.

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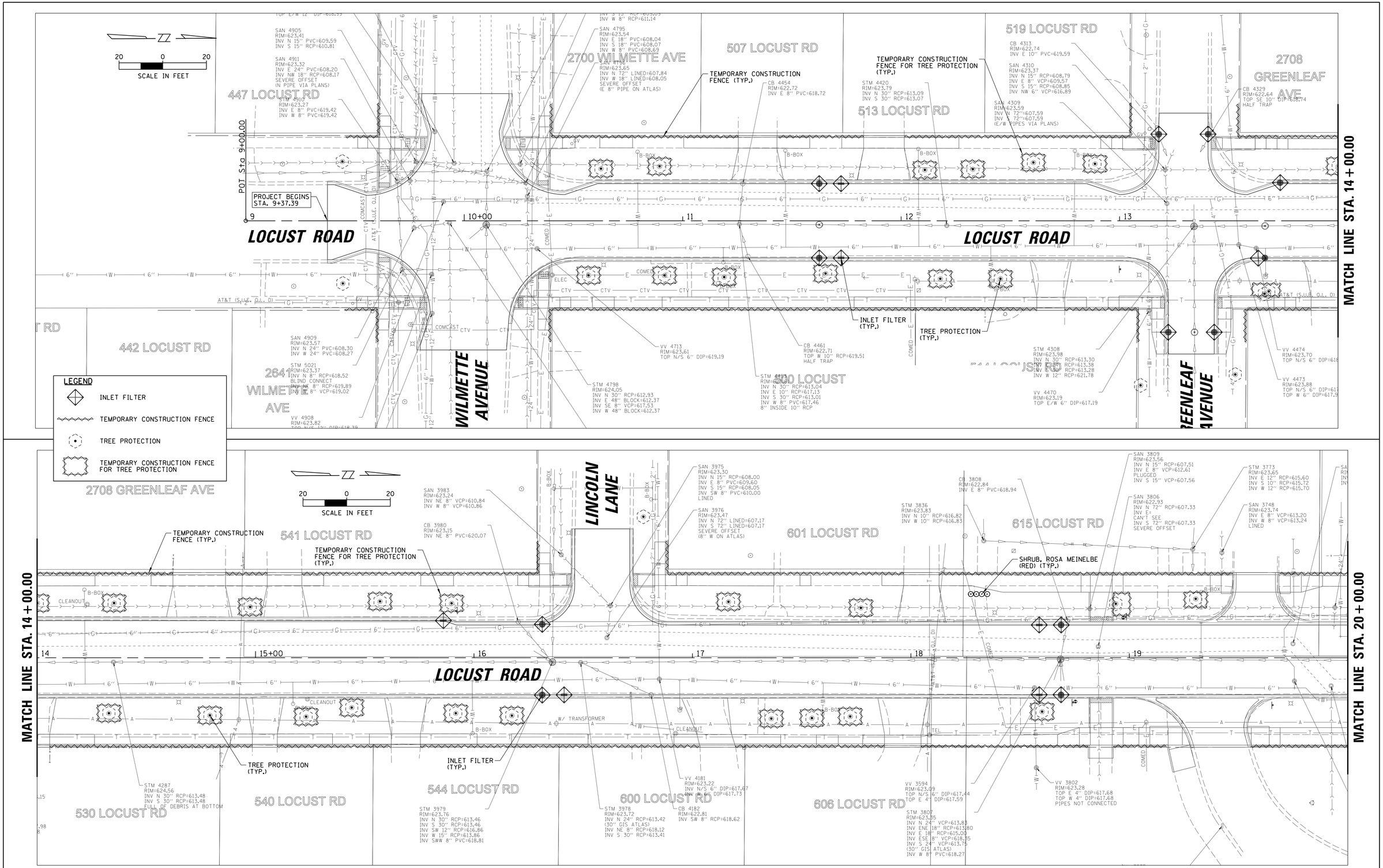
Default	PLOT DATE = 10/3/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
MAINTENANCE OF TRAFFIC PLAN – STAGE 3

SCALE: 20' | SHEET 29 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	29
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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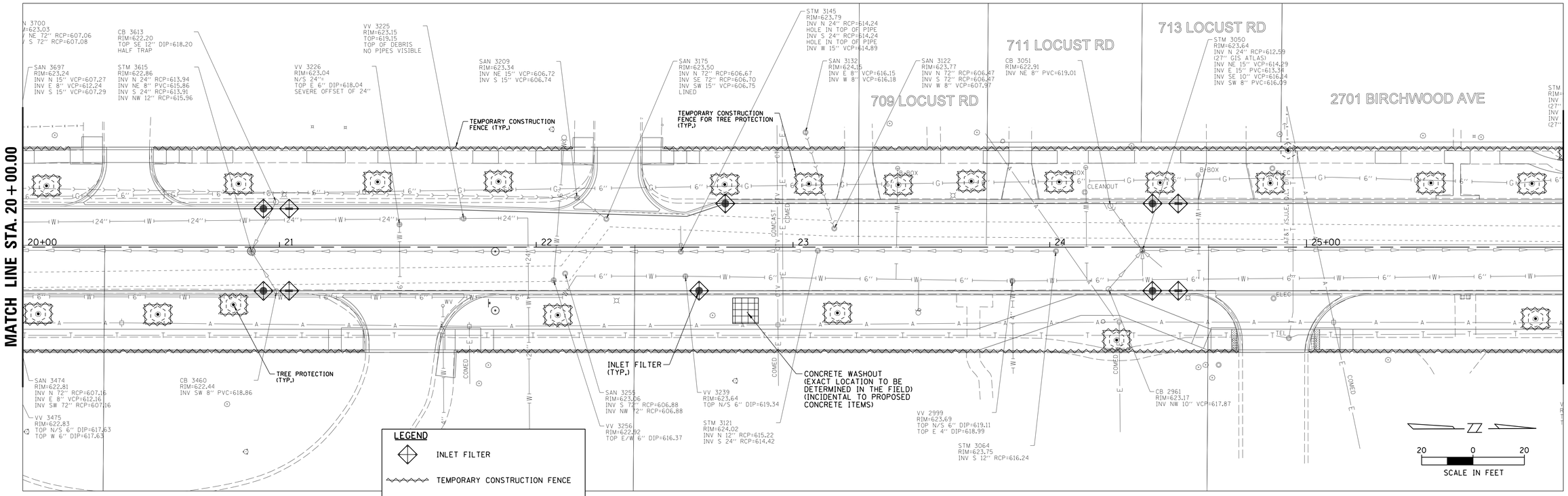
	PLOT DATE = 9/19/2018	CHECKED - MEK	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
SOIL EROSION / SEDIMENT CONTROL AND LANDSCAPING PLAN

SCALE: 20' | SHEET 30 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	30
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



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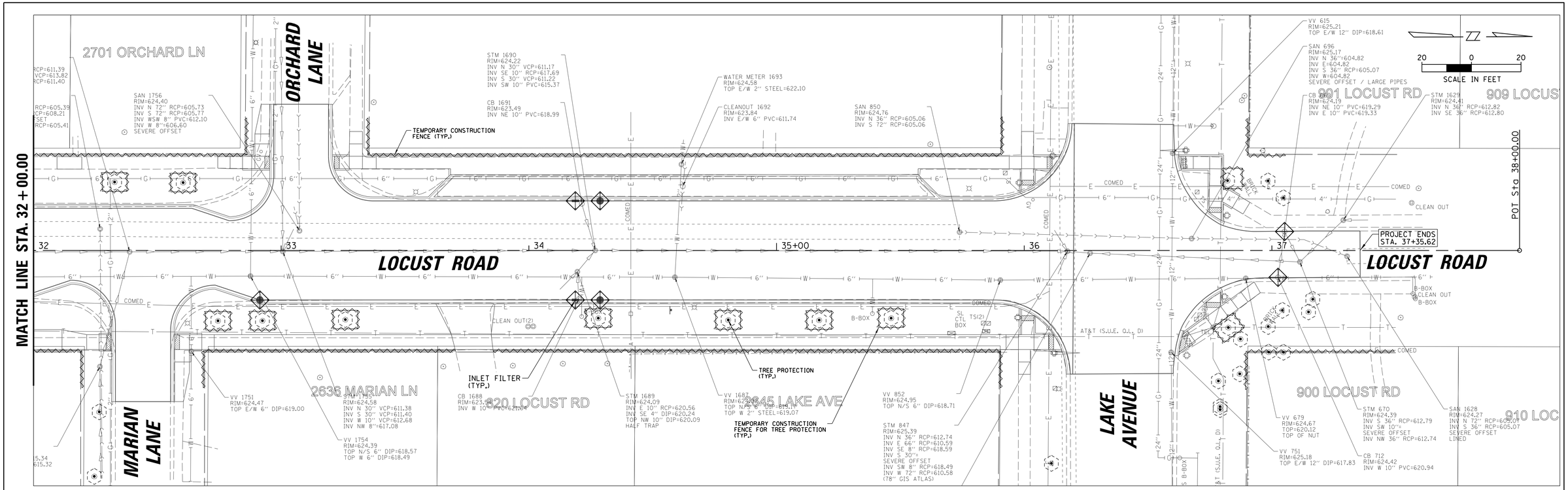
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
SOIL EROSION / SEDIMENT CONTROL AND LANDSCAPING PLAN

SCALE: 20' | SHEET 31 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	31
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



LEGEND

- INLET FILTER
- TEMPORARY CONSTRUCTION FENCE
- TREE PROTECTION
- TEMPORARY CONSTRUCTION FENCE FOR TREE PROTECTION

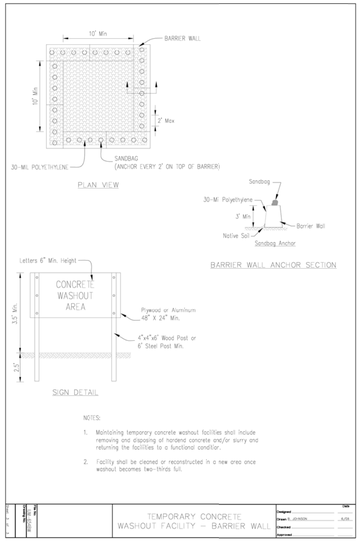
FILE NAME = N:\wilmette\170224\Civil\064_ERO_LOCUST_03.SHT Default	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
	PLOT SCALE = 20'	DRAWN - PJN	REVISED -
	PLOT DATE = 9/19/2018	CHECKED - MEK	REVISED -
		DATE -	REVISED -

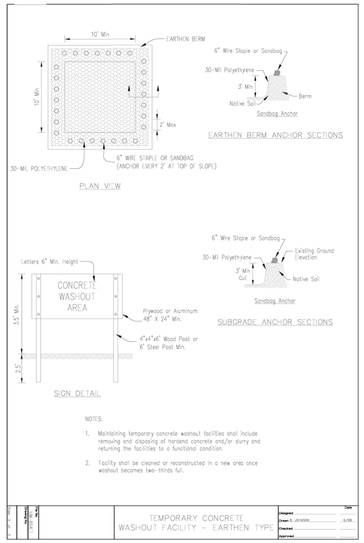
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

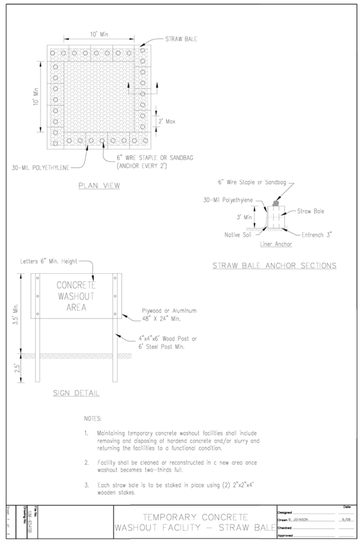
LOCUST ROAD
SOIL EROSION / SEDIMENT CONTROL AND LANDSCAPING PLAN

SCALE: 20' | SHEET 32 OF 109 SHEETS | STA. | TO STA.

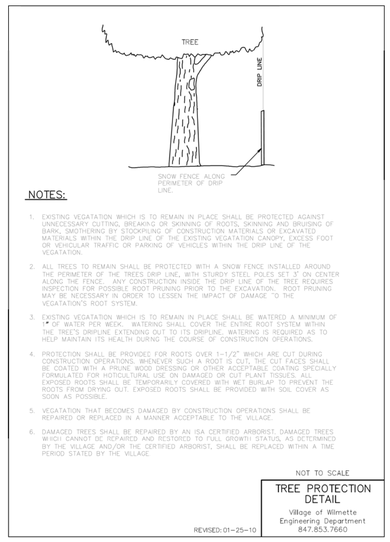
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	32
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



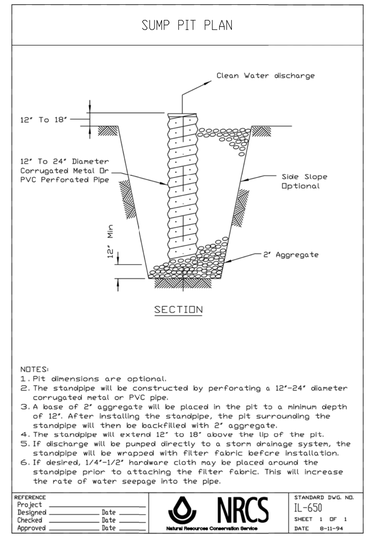




THE COST OF THE CONCRETE WASHOUT FACILITY SHALL BE INCLUDED IN THE COST OF MOBILIZATION.



THIS SHALL BE PAID FOR AS TREE TRUNK PROTECTION.



THE COST OF THE SUMP PIT SHALL BE INCLUDED IN THE COST OF MOBILIZATION.

SOIL EROSION CONTROL AND SEDIMENT CONTROL NOTES

A. Soil erosion and sediment control (SESC) features must be constructed prior to the commencement of upland disturbance. Soil disturbance must be phased or enacted in such a manner as to minimize erosion soil stabilization measures must consider the time of year, site conditions and the use of temporary and/or permanent measures.

B. Unless otherwise indicated, all vegetative and structural erosion and sediment control practices will be installed at minimum according to the standards and specifications in the Illinois Urban Manual, revised to latest version as amended. A copy of the approved soil erosion and sediment control (SESC) plan must be maintained on the site at all times.

C. The erosion and sediment controls shown on the plans are the minimum requirements. Additional measures may be required as directed by the Village, or their authorized representative. All additional measures must be in place within 3 days of disturbance and any emergency SESC measures must be installed immediately.

D. The contractor must clean up, grade the work areas as the project progresses, and install erosion protection to eliminate the concentration of runoff, or must install appropriate sediment control devices to trap sediment. Pavement must be cleaned daily or as necessary to remove track-out material.

E. After all perimeter sediment barrier is removed, the areas damaged by the perimeter sediment barrier must be restored.

F. It shall be the responsibility of the contractor to divert all water (ground, storm, and construction) during construction in order to keep the construction areas freed of water, bypass pumping, including silt bags and an energy dissipation surface for the pumps, shall not be measured and paid for separately but shall be considered incidental to the cost of weir structure. It shall be the contractor's responsibility to size the pumps appropriately.

G. During de-watering/pumping operations, only uncontaminated water should be allowed to discharge to protected natural areas, Waters of the State, or to a storm sewer system (in accordance with local permits). Inlet hoses should be placed in a stabilized sump pit or floated at the surface of the water in order to limit the amount of sediment intake. Pumping operations may be discharged to a stabilized area that consists of an energy dissipating device (e.g., stone), sediment filter bag, or both. Adequate erosion and sediment controls should be used during de-watering operations as necessary. Dewatering sediment laden water directly into field tiles, storm water structures, or "Waters of the US" is prohibited.

H. Sediment control BMPS shall be constructed at all locations where construction traffic enters of leaves the site. These locations shall be determined in the field, as needed. Graveled roads, rumble strips, access drives, parking areas of sufficient width and length, and vehicle wash down facilities if necessary, must be provided to prevent the deposit of soil from being tracked onto public or private roadways. Any soil reaching public or private roadway must be removed immediately.

I. Stock piles or soil must not be located in flood plains, riparian areas (vegetated flood plains), wetlands and waters of the U.S., unless otherwise authorized by the relevant permitting authority. If a stockpile is to remain in place for more than three days, perimeter sediment barrier must be provided.

J. Contractor must install perimeter sediment barrier at any location in which sheet flows may result in sediment runoff outside the construction limits. The contractor may use other methods to control runoff, including, but not limited to, temporary diversion swales, temporary sediment traps, shaped ditches to convey water, etc.

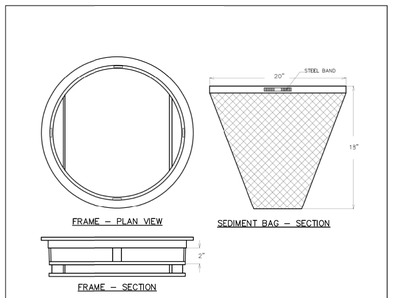
K. All proposed and existing storm sewer inlet structures (including inlets located within the haul routes) must be protected with storm sewer inlet protection (i.e. inlet filters) per inlet protection details in the plans.

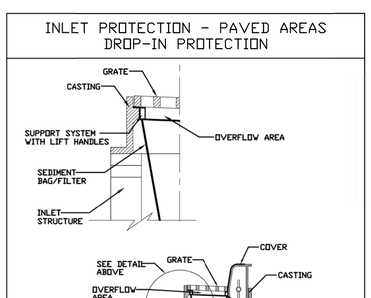
L. Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating, or other earth disturbing activities have permanently ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas must be initiated within 1 working day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible but not later than 14 days from the initiation of stabilization work in an area. Exceptions to these time frames are specified as follows:

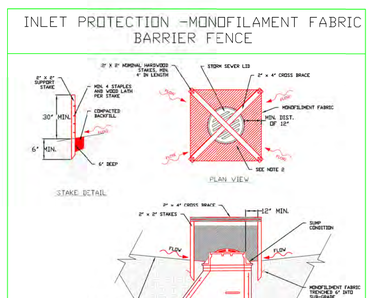
- Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
- On areas where construction activity ceased and will resume after 14 days, a temporary stabilization method can be used.

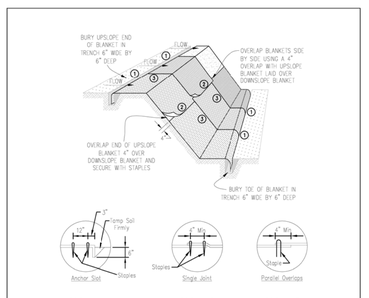
M. The Village shall provide a qualified person who will be responsible for conducting site inspections in compliance with the ILR10 NPDES Permit. After each inspection, a report should be prepared by the person who performed the inspection. The inspection report should be maintained on site as part of the Plan. Inspections should be conducted at least once every seven calendar days and within 24 hours of the end of a storm, or by the end of the following business or work day, that is 0.5 inches or greater. Areas inaccessible during inspections due to flooding or other unsafe conditions shall be inspected within 72 hours of becoming accessible.

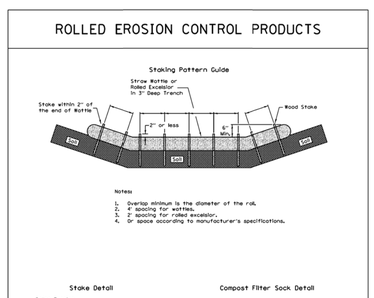
Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions (when ground and/or air temperatures are at or below 32 degrees Fahrenheit). Inspections must commence when construction activities are conducted, or if there is a 0.5" or greater rain event, or discharge due to snowmelt occurs.











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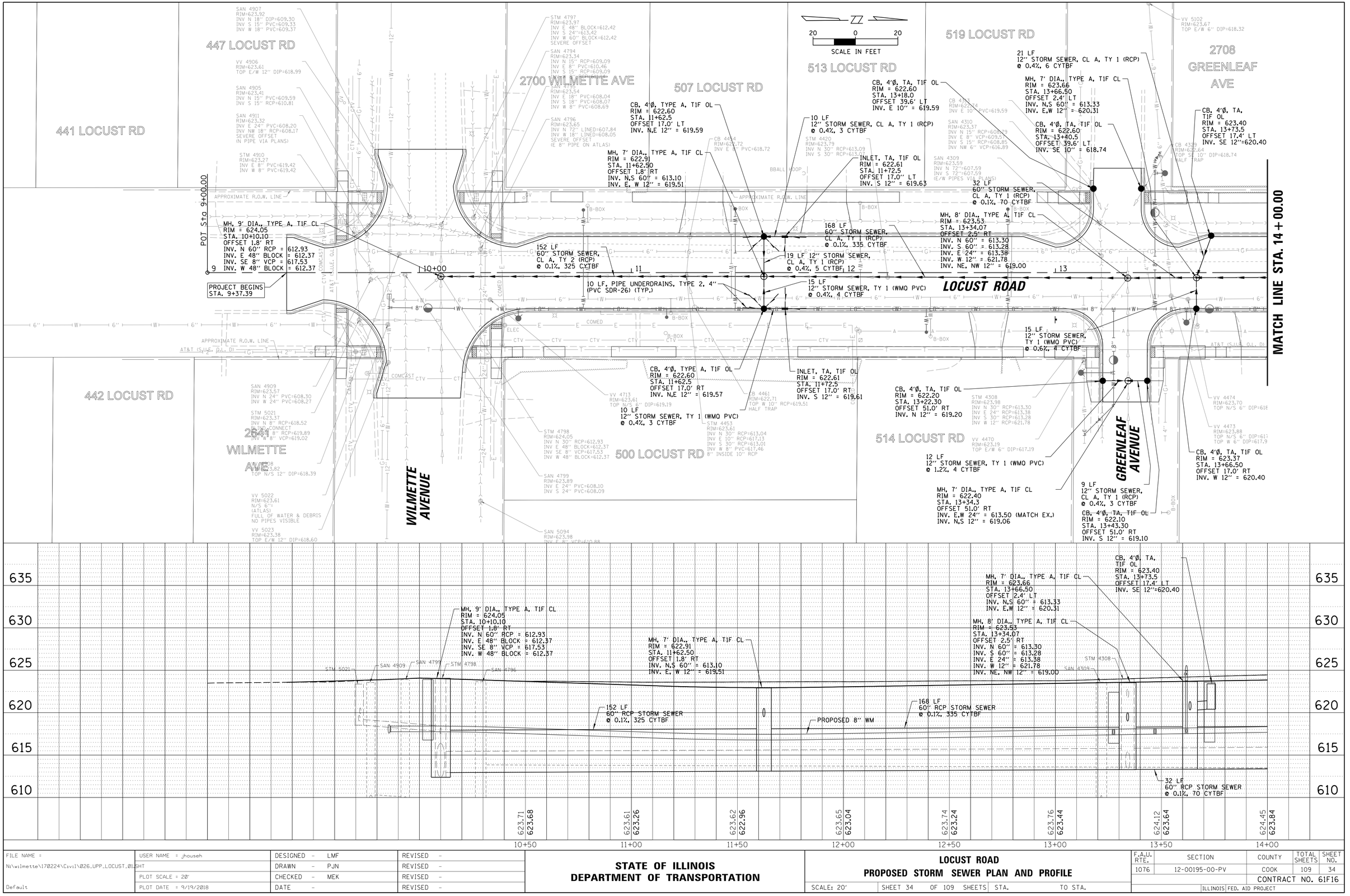
	PLOT SCALE = 20'	DRAWN -	REVISED -					
Default	PLOT DATE = 9/19/2018	CHECKED -	REVISED -					
		DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	33
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED STORM SEWER PLAN AND PROFILE

SCALE: 20' | SHEET 34 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	34
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

PLAN
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
R/W, RT. OF WAY CHECKED
NOTE BOOK
CADD FILE NAME
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

SCALE IN FEET
20 0 20

MATCH LINE STA. 14+00.00

MATCH LINE STA. 20+00.00

LOCUST ROAD

LINCOLN LANE

2708 GREENLEAF AVE

541 LOCUST RD

540 LOCUST RD

544 LOCUST RD

530 LOCUST RD

601 LOCUST RD

600 LOCUST RD

606 LOCUST RD

615 LOCUST RD

45 LF
12" STORM SEWER, CL A, TY 1 (RCP)
@ 0.4%, 16 CYTBF

INLET, TA, TIF OL
RIM = 623.20
STA. 15+86.00
OFFSET 17.0" LT
INV. N 12" = 619.20

269 LF
60" STORM SEWER,
CL A, TY 1 (RCP)
@ 0.1%, 540 CYTBF

CB, 4'Ø, TA, TIF OL
RIM = 623.10
STA. 16+31.2
OFFSET 15.3' LT
INV. S,E 12" = 619.02

SAN 3983
RIM=623.24
INV NE 8" VCP=610.84
INV N 8" VCP=610.86

CB 3980
RIM=623.15
INV NE 8" PVC=620.07

SAN 3975
RIM=623.30
INV N 15" RCP=608.00
INV E 8" PVC=609.60
INV S 15" RCP=608.05
INV SW 8" PVC=610.00
LINED

SAN 3976
RIM=623.47
INV N 72" LINED=607.51
INV S 72" LINED=607.11
SEVERE OFFSET
(8" W ON ATLAS)

CB, 4'Ø, TA, TIF OL
RIM = 622.80
STA. 18+68.7
OFFSET 15.0' LT
INV. S,E 12" = 619.76

10 LF 12" STORM SEWER,
CL A, TY 1 (RCP)
@ 0.4%, 3 CYTBF

INLET, TA, TIF OL
RIM = 622.80
STA. 18+58.8
OFFSET 15.0" LT
INV. N 12" = 619.80

SAN 3808
RIM=622.84
INV E 8" PVC=618.94

STM 3836
RIM=623.83
INV N 10" RCP=616.63
INV W 10" RCP=616.83

SAN 3809
RIM=623.56
INV N 15" RCP=607.51
INV E 8" VCP=612.61
PLUGGED
INV S 15" VCP=607.56

SAN 3806
RIM=622.93
INV N 72" RCP=607.33
INV E=
CAN'T SEE
INV S 72" RCP=607.33
SEVERE OFFSET

STM 3773
RIM=623.65
INV E 12" RCP=615.60
INV S 10" RCP=615.72
INV W 12" RCP=615.70

SAN 3748
RIM=623.74
INV E 8" VCP=613.20
INV W 8" VCP=613.24
LINED

MH, 9' DIA., TYPE A, TIF CL
RIM = 623.09
STA. 18+68.52
OFFSET 0.7' RT
INV. N 60" = 613.83
INV. S 60" = 613.75
INV. E,W 12" = 619.70
INV. E 18" = 615.00
INV. ENE 18" = 613.80
INV. ESE 8" = 618.38

16 LF 12" STORM SEWER,
CL A, TY 1 (RCP)
@ 0.4%, 4 CYTBF

16 LF
12" STORM SEWER, TY 1 (WMO PVC)
@ 0.4%, 4 CYTBF

18 LF 12" STORM SEWER,
CL A, TY 1 (RCP)
@ 0.4%, 5 CYTBF

232 LF
60" STORM SEWER,
CL A, TY 1 (RCP)
@ 0.07%, 425 CYTBF

10 LF, PIPE UNDERDRAINS, TYPE 2, 4"
(PVC SDR-26) (TYP.)

CB, 4'Ø, TA, TIF OL
RIM = 623.03
STA. 16+31.25
OFFSET 17.0' RT
INV. N,NW 12" = 620.06

10 LF
12" STORM SEWER,
TY 1 (WMO PVC)
@ 0.4%, 3 CYTBF

MH, 7' DIA., TYPE A, TIF CL
RIM = 623.35
STA. 16+35.91
OFFSET 2.0' RT
INV. N,S 60" = 613.60
INV. W 15" = 613.86
INV. SE 12" = 620.00
INV. SW 12" = 618.95
INV. SSE 8" = 618.81

INLET, TA, TIF OL
RIM = 623.10
STA. 16+41.2
OFFSET 17.0" RT
INV. S 12" = 620.10

STM 4287
RIM=624.56
INV N 30" RCP=613.48
INV S 30" RCP=613.48
FULL OF DEBRIS AT BOTTOM

STM 3978
RIM=623.76
INV N 30" RCP=613.46
INV S 30" RCP=613.46
INV SW 12" RCP=616.86
INV W 15" RCP=613.86
INV SWW 8" PVC=618.81

STM 3978
RIM=623.72
INV N 24" RCP=613.42
(30" GIS ATLAS)
INV NE 8" RCP=618.12
INV S 30" RCP=613.41

CB 4182
RIM=622.81
INV SW 8" RCP=618.62

VV 4181
RIM=623.22
INV N/S 6" DIP=617.67
INV W 6" DIP=617.75

VV 3594
RIM=623.09
TOP N/S 6" DIP=617.44
TOP E 4" DIP=617.59

STM 3807
RIM=623.55
INV N 24" VCP=613.83
INV ENE 18" RCP=613.80
INV E 18" RCP=615.03
INV ESE 8" VCP=618.25
INV S 24" VCP=613.75
(30" GIS ATLAS)
INV W 8" PVC=618.27

VV 3802
RIM=623.28
TOP E 4" DIP=617.68
TOP W 4" DIP=617.68
PIPES NOT CONNECTED

CB, 4'Ø, TA, TIF OL
RIM = 622.80
STA. 18+68.7
OFFSET 17.0' RT
INV. S,W 12" = 619.76

131 LF
60" STORM SEWER,
CL A, TY 1 (RCP)
@ 0.1%, 230 CYTBF

10 LF 12" STORM SEWER, TY 1 (WMO PVC)
@ 0.4%, 3 CYTBF

INLET, TA, TIF OL
RIM = 622.80
STA. 18+58.8
OFFSET 17.0" RT
INV. N 12" = 619.80

INL 3535
RIM=622.92
INV NW 8" RCP=620.80

APPROXIMATE R.O.W. LINE

B-BOX

CLEANOUT

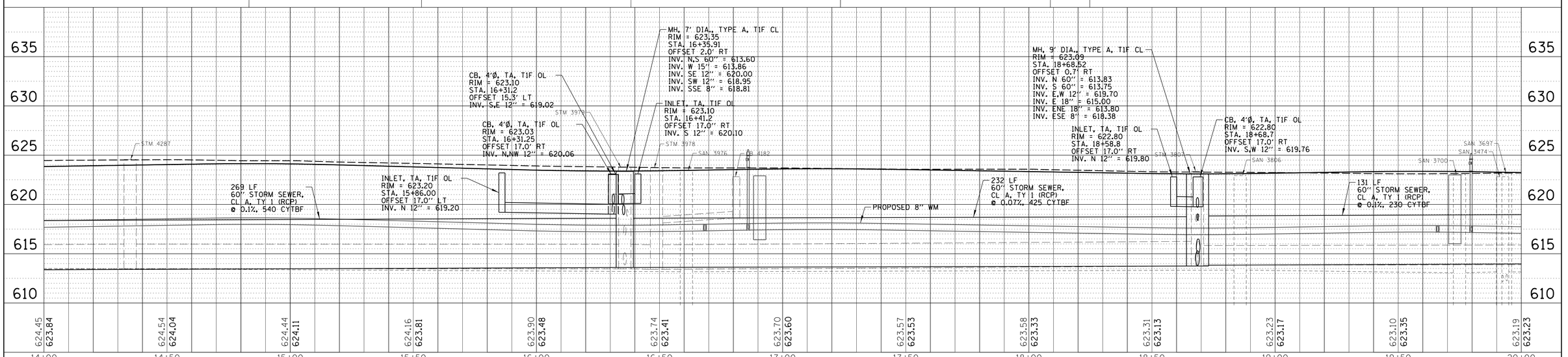
W/ TRANSFORMER

BIKE RACK

CONFIG

TEL

14 15+00 16 17 18



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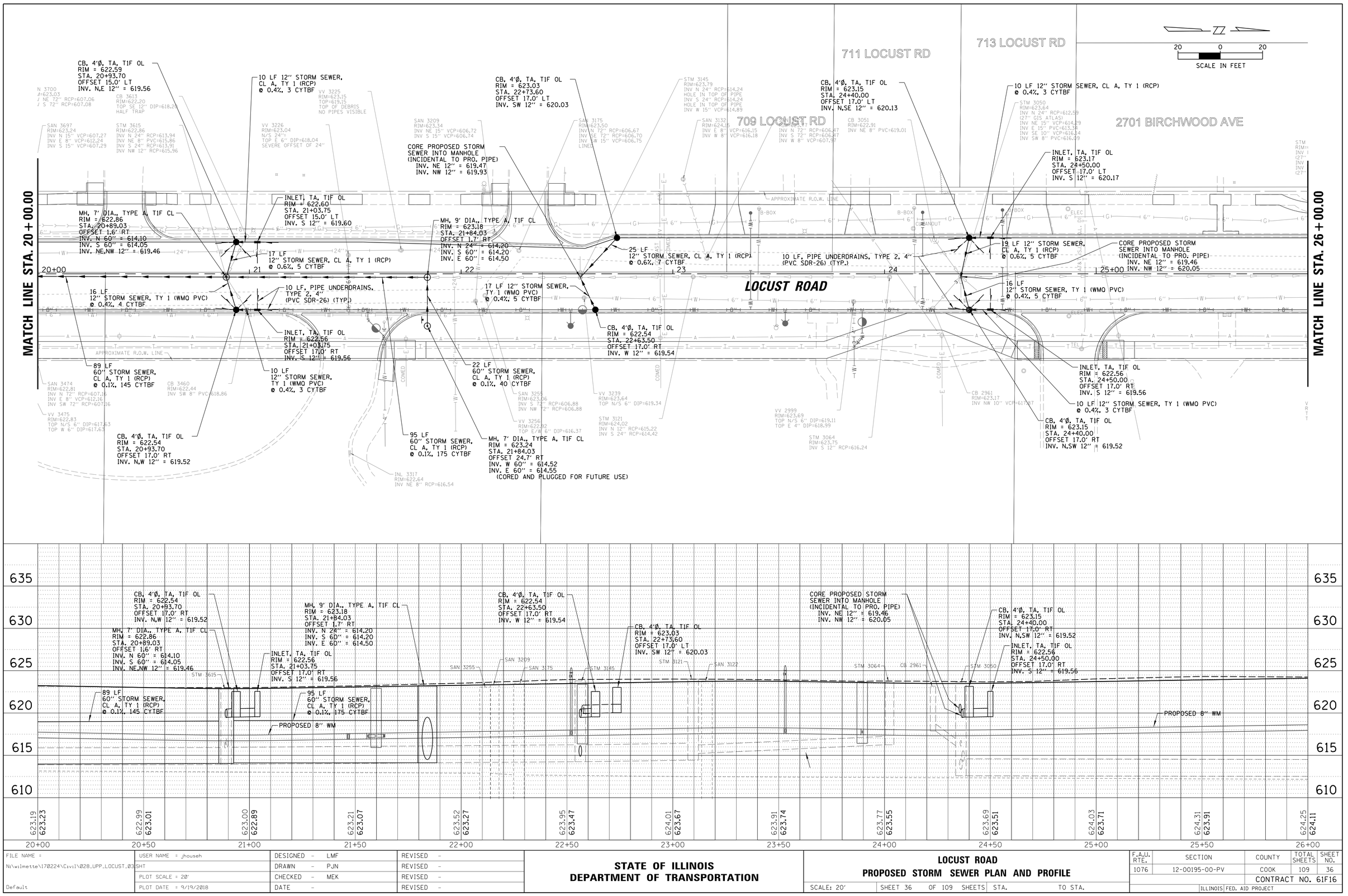
	PLOT DATE = 9/19/2018	CHECKED - MEK	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED STORM SEWER PLAN AND PROFILE

SCALE: 20' | SHEET 35 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	35
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



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

PROFILE
SURVEYED
PLOTTED
ADDED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

FILE NAME = N:\wilmette\170224\Civil\028_UPP_LOCUST_03.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

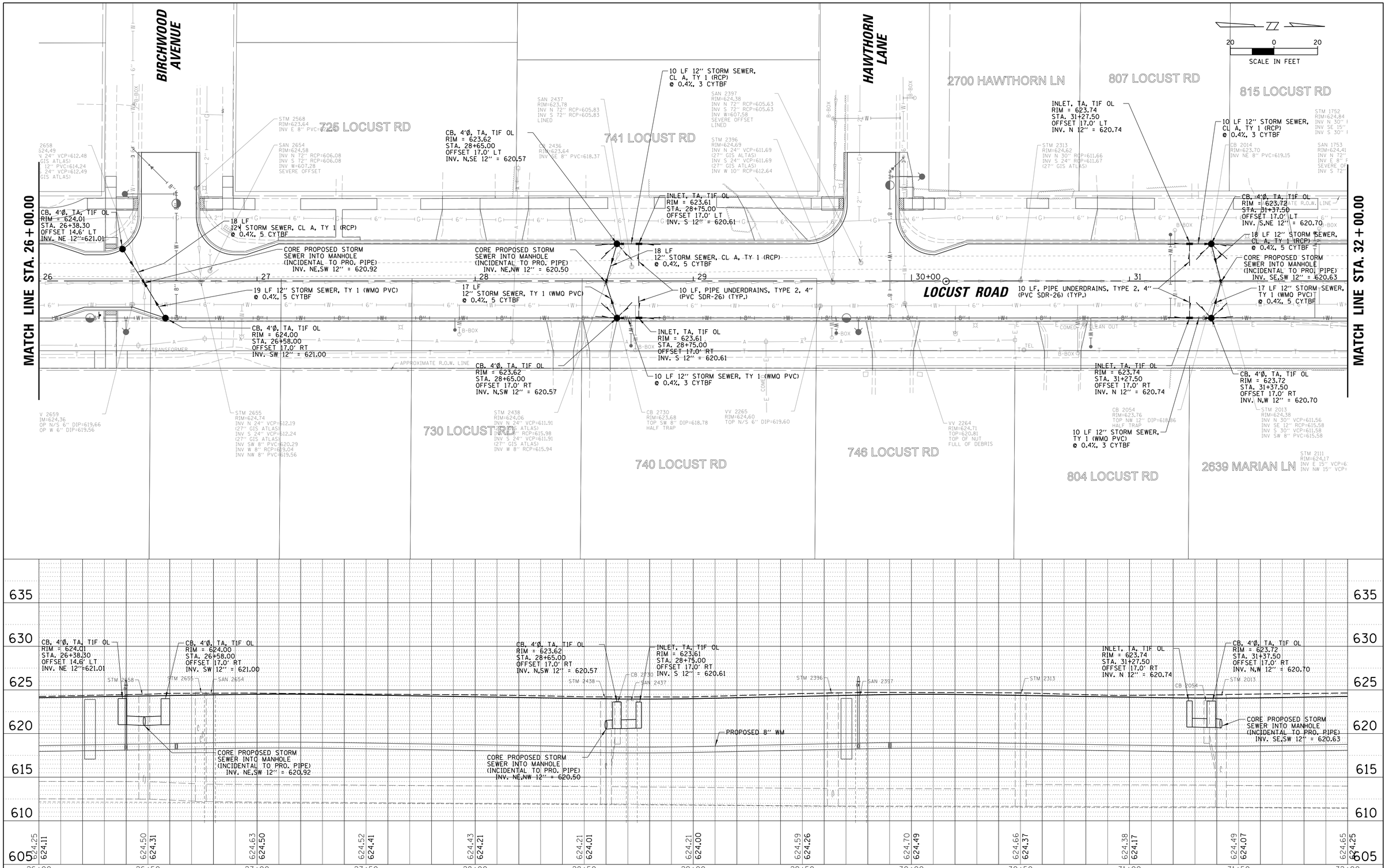
LOCUST ROAD
PROPOSED STORM SEWER PLAN AND PROFILE

SCALE: 20' | SHEET 36 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	36
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

PLAN
SURVEYED
PLOTTED
ADDITIONS CHECKED
R.T. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
ADDITIONS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHK'D
NOTE BOOK
NO.
BY
DATE



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	SHT	DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED STORM SEWER PLAN AND PROFILE

SCALE: 20' | SHEET 37 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	37
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

ALL BACKFILL OF OPEN TRENCHES WITHIN THE COOK COUNTY R.O.W. (EAST LAKE AVENUE) SHALL BE FA-6 TRENCH BACKFILL.

SCALE IN FEET: 20 0 20

MATCH LINE STA. 32+00.00

POT Sta 38+00.00

PROJECT ENDS STA. 37+35.62

ORCHARD LANE

MARIAN LANE

LAKE AVENUE

LOCUST ROAD

2701 ORCHARD LN

2636 MARIAN LN

820 LOCUST RD

2645 LAKE AVE

901 LOCUST RD

900 LOCUST RD

909 LOCUST RD

910 LOCUST RD

CORE PROPOSED STORM SEWER INTO EXISTING MANHOLE (INCIDENTAL TO PROPOSED PIPE) INV. SE 12" = 621.12

SAN 1756 RIM=624.40 INV N 72" RCP=605.73 INV S 72" RCP=605.77 INV WSW 8" PVC=612.10 INV W 8"=606.60 SEVERE OFFSET

10 LF 12" STORM SEWER, CL A, TY 1 (RCP) @ 0.4%, 3 CYTBF

CB, 4'Ø, TA, TIF OL RIM = 623.83 STA. 34+28.70 OFFSET 20.0' LT INV. S,E 12" = 620.78

INLET, TA, TIF OL RIM = 623.82 STA. 34+18.70 OFFSET 20.0' LT INV. N 12" = 620.82

10 LF, PIPE UNDERDRAINS, TYPE 2, 4" (PVC SDR-26) (TYP.)

20 LF 12" STORM SEWER, CL A, TY 1 (RCP) @ 0.4%, 5 CYTBF

CORE PROPOSED STORM SEWER INTO MANHOLE (INCIDENTAL TO PROPOSED PIPE) INV. E,W 12" = 620.70

21 LF 12" STORM SEWER, TY 1 (WMO PVC) @ 0.4%, 5 CYTBF

20 LF 12" STORM SEWER, TY 1 (WMO PVC) @ 0.4%, 5 CYTBF

CB, 4'Ø, TA, TIF OL RIM = 624.20 STA. 32+91.40 OFFSET 20.0' RT INV. NW 12" = 621.20

INLET, TA, TIF OL RIM = 623.82 STA. 34+18.60 OFFSET 20.0' RT INV. N 12" = 620.82

10 LF 12" STORM SEWER, TY 1 (WMO PVC) @ 0.4%, 3 CYTBF

CB, 4'Ø, TA, TIF OL RIM = 623.83 STA. 34+28.70 OFFSET 20.0' RT INV. S,W 12" = 620.78

STM 1690 RIM=624.22 INV N 30" VCP=611.17 INV SE 10" RCP=617.69 INV S 30" VCP=611.22 INV SW 10" PVC=615.37

CB 1691 RIM=623.49 INV NE 10" PVC=618.99

WATER METER 1693 RIM=624.58 TOP E/W 2" STEEL=622.10

CLEANOUT 1692 RIM=623.84 INV E/W 6" PVC=611.74

SAN 850 RIM=624.76 INV N 36" RCP=605.06 INV S 72" RCP=605.06

VV 615 RIM=625.21 TOP E/W 12" DIP=618.61

SAN 696 RIM=625.17 INV N 36"=604.82 INV E=604.82 INV S 36" RCP=605.07 INV W=604.82 SEVERE OFFSET / LARGE PIPES

CB 695 RIM=624.13 INV NE 10" PVC=619.29 INV E 10" PVC=619.33

STM 1629 RIM=624.41 INV N 36" RCP=612.82 INV SE 36" RCP=612.80

VV 1751 RIM=624.47 TOP E/W 6" DIP=619.00

STM 1755 RIM=624.58 INV N 30" VCP=611.38 INV S 30" VCP=611.40 INV W 10" VCP=612.68 INV NW 8"=617.08

VV 1754 RIM=624.39 TOP N/S 6" DIP=618.57 TOP W 6" DIP=618.49

CB 1688 RIM=623.54 INV W 10" PVC=621.64

STM 1689 RIM=624.09 INV E 10" RCP=620.56 INV SE 4" DIP=620.24 INV NW 10" DIP=620.09 HALF TRAP

VV 1687 RIM=624.02 TOP N/S 6" DIP=619.17 TOP W 2" STEEL=619.07

VV 852 RIM=624.95 TOP N/S 6" DIP=618.71

STM 847 RIM=625.39 INV N 36" RCP=612.74 INV E 66" RCP=610.59 INV SE 8" RCP=618.59 INV S 30"= SEVERE OFFSET INV SW 8" RCP=618.49 INV W 72" RCP=610.58 (78" GIS ATLAS)

STM 846 RIM=625.52 INV N 36" RCP=613.02 INV S 36" RCP=613.02

VV 679 RIM=624.67 TOP=620.12 TOP OF NUT

STM 670 RIM=624.39 INV S 36" RCP=612.79 INV SW 10"= SEVERE OFFSET INV NW 36" RCP=612.74

SAN 1628 RIM=624.27 INV N 72" RCP=605.07 INV S 36" RCP=605.07 SEVERE OFFSET LINED

VV 751 RIM=625.18 TOP E/W 12" DIP=617.83

CB 712 RIM=624.42 INV W 10" PVC=620.94

LAKE AVENUE TRAFFIC CONTROL NOTE: A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701601-10 AND 701611-01.

PROFILE

CB, 4'Ø, TA, TIF OL RIM = 624.20 STA. 32+91.40 OFFSET 20.0' RT INV. NW 12" = 621.20

INLET, TA, TIF OL RIM = 623.82 STA. 34+18.60 OFFSET 20.0' RT INV. N 12" = 620.82

CB, 4'Ø, TA, TIF OL RIM = 623.83 STA. 34+28.70 OFFSET 20.0' RT INV. S,W 12" = 620.78

CORE PROPOSED STORM SEWER INTO EXISTING MANHOLE (INCIDENTAL TO PROPOSED PIPE) INV. SE 12" = 621.12

CORE PROPOSED STORM SEWER INTO MANHOLE (INCIDENTAL TO PROPOSED PIPE) INV. E,W 12" = 620.70

PROPOSED 8" WM

SAN 753 · STM 1752 · STM 1755 · SAN 1756 · STM 1689 · STM 1690 · SAN 850 · STM 847 · EX. ELEC. · STM 846 · EX. GAS · SAN 696 · EX. PHONE · CB 712 · STM 1629 · STM 670 · SAN 1628

635	630	625	620	615	610	605
624.65	624.25	624.73	624.45	624.52	624.60	624.32	624.45	624.02	624.25	624.23	624.30	624.53	624.52	624.89	624.74	625.20	625.19	625.52	624.56	624.03
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32+00 · 32+50 · 33+00 · 33+50 · 34+00 · 34+50 · 35+00 · 35+50 · 36+00 · 36+50 · 37+00 · 37+50

FILE NAME = N:\wilmette\170224\Civil\030_UPP_LOCUST_05.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
	PLOT SCALE = 20'	DRAWN - PJN	REVISED -
Default	PLOT DATE = 9/19/2018	CHECKED - MEK	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED STORM SEWER PLAN AND PROFILE

SCALE: 20' | SHEET 38 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	38
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

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

PROFILE: SURVEYED · PLOTTED · GRADES CHECKED · S.M. NOTED · STRUCTURE NOTATNS CHKD · NOTE BOOK · NO. · BY · DATE

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHK'D
NOTE BOOK
NO.
BY
DATE

441 LOCUST RD
447 LOCUST RD
442 LOCUST RD
2641 WILMETTE AVE
2700 WILMETTE AVE
507 LOCUST RD
513 LOCUST RD
519 LOCUST RD
514 LOCUST RD
500 LOCUST RD
WILMETTE AVENUE
GREENLEAF AVENUE
LOCUST ROAD

SCALE IN FEET
20 0 20

SAN 4907
RIM=623.92
INV N 18" DIP=609.30
INV S 15" PVC=609.33
INV W 18" PVC=609.37

VV 4906
RIM=623.61
TOP E/W 12" DIP=618.99

SAN 4905
RIM=623.41
INV N 15" PVC=609.59
INV S 15" RCP=610.81

SAN 4911
RIM=623.32
INV E 24" PVC=608.20
INV NW 18" RCP=608.17
SEVERE OFFSET
(N PIPE VIA PLANS)

STM 4910
RIM=623.27
INV E 8" PVC=619.42
INV W 8" PVC=619.42

STM 4797
RIM=623.97
INV E 48" BLOCK=612.42
INV S 24"=613.42
INV W 60" BLOCK=612.42
SEVERE OFFSET

SAN 4794
RIM=623.34
INV N 15" RCP=609.09
INV E 8" PVC=610.46
INV S 15" RCP=609.09
INV W 8" RCP=611.14

SAN 4795
RIM=623.54
INV E 18" PVC=608.04
INV S 18" PVC=608.07
INV W 8" PVC=608.69

SAN 4796
RIM=623.65
INV N 72" LINED=607.84
INV W 18" LINED=608.05
SEVERE OFFSET
(E 8" PIPE ON ATLAS)

CB 4454
RIM=622.72
INV E 8" PVC=618.72

STM 4420
RIM=623.79
INV N 30" RCP=613.09
INV S 30" RCP=613.07

BBALL HOOP

CB 4313
RIM=622.74
INV E 10" PVC=619.59

SAN 4310
RIM=623.37
INV N 15" RCP=608.79
INV E 8" VCP=609.57
INV S 15" RCP=608.85
INV NW 6" VCP=616.89

SAN 4309
RIM=623.59
INV N 72"=607.59
INV S 72"=607.59
(E/W PIPES VIA PLANS)

VV 5102
RIM=623.67
TOP E/W 6" DIP=618.32

CB 4329
RIM=622.64
TOP SE 10" DIP=618.74
HALF TRAP

STM 4798
RIM=624.05
INV N 30" RCP=612.93
INV E 48" BLOCK=612.37
INV SE 8" VCP=617.53
INV W 48" BLOCK=612.37

SAN 4799
RIM=623.89
INV E 24" PVC=608.10
INV S 24" PVC=608.09

SAN 5094
RIM=623.98
INV E 8" VCP=610.88

SAN 4909
RIM=623.57
INV N 24" PVC=608.30
INV W 24" PVC=608.27

STM 5021
RIM=623.37
INV N 8" RCP=618.52
BLIND CONNECT
INV NE 8" RCP=619.89
INV W 8" VCP=619.02

VV 4908
RIM=623.82
TOP N/S 12" DIP=618.39

VV 5022
RIM=623.61
N/S 6"=
(ATLAS)
FULL OF WATER & DEBRIS
NO PIPES VISIBLE

VV 5023
RIM=623.38
TOP E/W 12" DIP=618.60

VV 4713
RIM=623.61
TOP N/S 6" DIP=619.19

CB 4461
RIM=622.71
TOP W 10" RCP=619.51
HALF TRAP

STM 4453
RIM=623.61
INV N 30" RCP=613.04
INV E 10" RCP=617.13
INV S 30" RCP=613.01
INV W 8" PVC=617.46
8" INSIDE 10" RCP

STM 4308
RIM=623.98
INV N 30" RCP=613.30
INV E 8" PVC=613.38
INV S 30" RCP=613.28
INV W 8" RCP=621.78

VV 4473
RIM=623.19
TOP E/W 6" DIP=617.79

VV 4474
RIM=623.70
TOP N/S 6" DIP=618

VV 4473
RIM=623.88
TOP N/S 6" DIP=618
TOP W 6" DIP=617.9

POT Sta 9+00.00

APPROXIMATE R.O.W. LINE

12" SOLID SLEEVE
(INCIDENTAL TO
PROPOSED WM)

6 LF, 12" DUCTILE IRON
WATER MAIN, 7 CYTBF

PROJECT BEGINS
STA. 9+37.39

12"x8" TEE
STA. 9+85.69
OFFSET 16.5' RT

WATER MAIN CONNECTION TO EXISTING
WATER MAIN (NON-PRESSURE) - DISCONNECT
AND CAP EXISTING (TYP.)

18 LF, 8" DUCTILE IRON
WATER MAIN, 20 CYTBF

T/SAN 610.40

T/SAN 611.53

324 LF, 8" DUCTILE IRON
WATER MAIN, 356 CYTBF

1.5" WM SERVICE
W/ B-BOX

T/STORM 616.79

TEMPORARY FIRE HYDRANT

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 10+04.00
OFFSET 16.7' RT
RIM 623.90

25 LF, 8" DUCTILE IRON
WATER MAIN, 55 CYTBF

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 13+46.95
OFFSET 28.3' LT
RIM 623.17

45 LF, 8" DUCTILE IRON
WATER MAIN, 55 CYTBF

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 13+72.70
OFFSET 17.1' RT
RIM 623.60

15 LF, 8" DUCTILE IRON
WATER MAIN, 17 CYTBF

8" DIWM, 45° BEND
STA. 13+46.94
OFFSET 53.0' LT

8"x6" REDUCER
STA. 13+48.41
OFFSET 55.6' LT

6" DIWM, 45° BEND
STA. 13+49.45
OFFSET 56.6' LT

CAP 6" WM

2 LF, 6" DUCTILE IRON
WATER MAIN, 0 CYTBF

2 LF, 8" DUCTILE IRON
WATER MAIN, 0 CYTBF

TEMPORARY FIRE
HYDRANT

8"x6" TEE

T/STORM 616.11
T/WM 617.98
T/STORM 615.61

T/SAN 610.17

20 LF, 8" DUCTILE IRON
WATER MAIN, 22 CYTBF

8"x8" TEE
STA. 13+27.45
OFFSET 17.1' RT

T/SAN 614.14

T/WM 617.19

MATCH LINE STA. 14+00.00

1.5" WM SERVICE
W/ B-BOX

24 LF, 8" DUCTILE IRON
WATER MAIN, 45 CYTBF

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 13+27.45
OFFSET 41.2' RT
RIM 622.61

8"x8" TEE
STA. 13+46.96
OFFSET 17.1' RT

8"x6"
TEE

TEMPORARY FIRE
HYDRANT

28 LF, 8" DUCTILE
IRON WATER
MAIN, 31 CYTBF

11 LF, 8" DUCTILE
IRON WATER MAIN,
12 CYTBF

21 LF, 8" DUCTILE IRON
WATER MAIN, 6 CYTBF

8" DIWM, 45° BEND
STA. 13+27.50
OFFSET 62.6' RT

11 LF, 8" DUCTILE IRON
WATER MAIN, 12 CYTBF

8"x6" REDUCER
STA. 13+20.00
OFFSET 70.1' RT

9 LF, 6" DUCTILE IRON
WATER MAIN, 10 CYTBF

CAP 6" WM

6" DIWM, 45° BEND
STA. 13+13.70
OFFSET 76.4' RT

FIRE HYDRANT
STA. 13+61.80
OFFSET 23.5' RT

7 LF, 6" DUCTILE IRON
WATER MAIN, 3 CYTBF

8"x6" TEE
STA. 13+61.80
OFFSET 17.1' RT

10+00 11 12 13

635
630
625
620
615
610

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 10+04.00
OFFSET 17.2' RT
RIM 623.90

STM 5021
SAN 4909
SAN 4799
STM 4798
SAN 4796

PROPOSED
STORM SEWER

5.5' MINIMUM

12"x8" TEE
STA. 9+85.69
OFFSET 16.5' RT

18 LF, 8" DUCTILE IRON
WATER MAIN, 20 CYTBF

324 LF, 8" DUCTILE IRON
WATER MAIN, 356 CYTBF

28 LF, 8" DUCTILE IRON
WATER MAIN, 31 CYTBF

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 13+72.70
OFFSET 17.1' RT
RIM 623.60

FIRE HYDRANT
STA. 13+61.80
OFFSET 23.5' RT

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 13+27.45
OFFSET 41.2' RT
RIM 622.61

STM 4308
SAN 4309

20 LF, 8" DUCTILE IRON
WATER MAIN, 22 CYTBF

8"x6" TEE
STA. 13+61.80
OFFSET 17.1' RT

8"x8" TEE
STA. 13+27.45
OFFSET 17.1' RT

8"x8" TEE
STA. 13+46.96
OFFSET 17.1' RT

15 LF, 8" DUCTILE IRON
WATER MAIN, 17 CYTBF

11 LF, 8" DUCTILE IRON
WATER MAIN, 12 CYTBF

623.71 623.68
623.61 623.26
623.62 622.96
623.65 623.04
623.74 623.24
623.76 623.44
624.12 623.64
624.45 623.84

10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00

FILE NAME = N:\wilmette\170224\Civil\031_WMPP_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

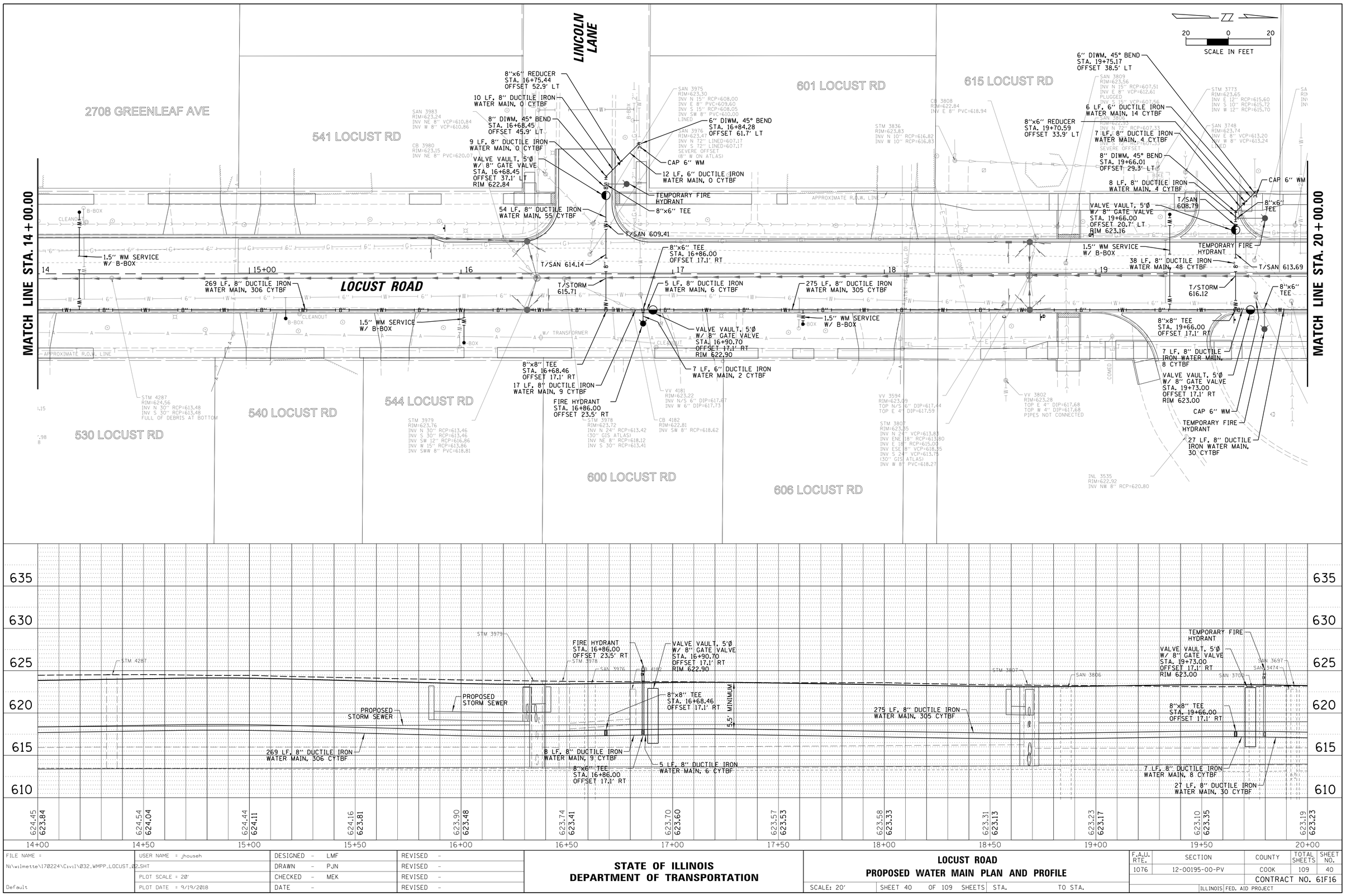
LOCUST ROAD
PROPOSED WATER MAIN PLAN AND PROFILE

SCALE: 20' | SHEET 39 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	39
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

PLAN — SURVEYED | PLOTTED | BASES CHECKED | R/T. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE — SURVEYED | PLOTTED | BASES CHECKED | BM. NOTED | STRUCTURE NOTATNS CH'KD | NOTE BOOK | NO. | BY | DATE



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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED WATER MAIN PLAN AND PROFILE

SCALE: 20' | SHEET 40 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	40

CONTRACT NO. 61F16

ILLINOIS | FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
ADDED TO/DEL FROM RT. OF WAY
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE
CHECKED
CHKD

PROFILE
SURVEYED
PLOTTED
ADDED TO/DEL FROM RT. OF WAY
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE
CHECKED
CHKD
SUM. NOTED
STRUCTURE NOTATNS

20 0 20
SCALE IN FEET

709 LOCUST RD
711 LOCUST RD
713 LOCUST RD
2701 BIRCHWOOD AVE

MATCH LINE STA. 20+00.00

MATCH LINE STA. 26+00.00

LOCUST ROAD

APPROXIMATE R.O.W. LINE

N 3700
INV 4=623.03
INV NE 72" RCP=607.06
INV S 72" RCP=607.08

CB 3613
RIM=622.20
TOP SE 12" DIP=618.20
HALF TRAP

VV 3225
RIM=623.15
TOP=619.15
TOP OF DEBRIS
NO PIPES VISIBLE

SAN 3697
RIM=623.24
INV N 15" VCP=607.27
INV E 8" VCP=612.24
INV S 15" VCP=607.29

STM 3615
RIM=622.86
INV N 24" RCP=613.94
INV NE 8" PVC=615.86
INV S 24" RCP=613.91
INV NW 12" RCP=615.96

VV 3226
RIM=623.04
N/S 24"=
TOP E 6" DIP=618.04
SEVERE OFFSET OF 24"

SAN 3209
RIM=623.34
INV NE 15" VCP=606.72
INV S 15" VCP=606.74

SAN 3175
RIM=623.50
INV N 72" RCP=606.67
INV SE 72" RCP=606.70
INV SW 15" VCP=606.75
LINED

STM 3145
RIM=623.79
INV N 24" RCP=614.24
HOLE IN TOP OF PIPE
INV S 24" RCP=614.24
HOLE IN TOP OF PIPE
INV W 15" VCP=614.89

SAN 3132
RIM=624.15
INV E 8" VCP=616.15
INV W 8" VCP=616.18

SAN 3122
RIM=623.77
INV N 72" RCP=606.47
INV S 72" RCP=606.47
INV W 8" VCP=607.97

CB 3051
RIM=622.91
INV NE 8" PVC=619.01

STM 3050
RIM=623.64
INV N 24" RCP=612.59
(27" GIS ATLAS)
INV NE 15" VCP=614.29
INV E 15" PVC=613.34
INV SE 10" VCP=616.14
INV SW 8" PVC=616.09

20+00 | 21 | 22 | 23 | 24 | 25+00

147 LF, 8" DUCTILE IRON
WATER MAIN, 162 CYTBF

26 LF, 6" DUCTILE IRON
WATER MAIN, 29 CYTBF

9 LF, 8" DUCTILE IRON
WATER MAIN, 11 CYTBF

8"x4" TEE
STA. 21+55.97
OFFSET 17.0' RT

8"x6" TEE
STA. 21+46.70
OFFSET 17.0' RT

CAP 4" WM

101 LF, 8" DUCTILE IRON
WATER MAIN, 124 CYTBF

8"x6" TEE

TEMPORARY FIRE
HYDRANT

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 22+57.33
OFFSET 17.0' RT
RIM 623.16

7 LF, 6" DUCTILE IRON
WATER MAIN, 3 CYTBF

96 LF, 8" DUCTILE IRON
WATER MAIN, 118 CYTBF

6 LF, 4" DUCTILE IRON
WATER MAIN, 3 CYTBF

36 LF, 8" DUCTILE IRON
WATER MAIN, 40 CYTBF

8"x4" TEE
STA. 23+89.48
OFFSET 17.0' RT

8"x6" TEE
STA. 23+53.10
OFFSET 17.0' RT

VALVE VAULT, 5'Ø
W/ 4" GATE VALVE
STA. 23+89.48
OFFSET 22.8' RT
RIM 623.64

1.5" WM SERVICE
W/ B-BOX

8 LF, 4" DUCTILE IRON
WATER MAIN, 0 CYTBF

CAP 4" WM

FIRE HYDRANT
STA. 23+53.10
OFFSET 23.4' RT

4" DIWM, 45° BEND
STA. 23+85.62
OFFSET 34.4' RT

4" DIWM, 45° BEND
STA. 23+89.48
OFFSET 30.5' RT

6 LF, 4" DUCTILE IRON
WATER MAIN, 2 CYTBF

211 LF, 8" DUCTILE IRON
WATER MAIN, 233 CYTBF

5 LF, 4" DUCTILE IRON
WATER MAIN, 6 CYTBF

4" DIWM, 45° BEND
STA. 21+55.97
OFFSET 21.8' RT

6 LF, 4" DUCTILE IRON
WATER MAIN, 7 CYTBF

VALVE VAULT, 5'Ø
W/ 4" GATE VALVE
STA. 21+59.81
OFFSET 25.7' RT
RIM 622.91

4" DIWM, 45° BEND
STA. 21+63.65
OFFSET 29.5' RT

6 LF, 4" DUCTILE IRON
WATER MAIN, 7 CYTBF

SAN 3474
RIM=622.81
INV N 72" RCP=607.16
INV E 8" VCP=612.16
INV SW 72" RCP=607.16

CB 3460
RIM=622.44
INV SW 8" PVC=618.86

VV 3475
RIM=622.83
TOP N/S 6" DIP=617.63
TOP W 6" DIP=617.63

SAN 3255
RIM=623.06
INV S 72" RCP=606.88
INV NW 72" RCP=606.88

VV 3256
RIM=622.92
TOP E/W 6" DIP=616.37

VV 3239
RIM=623.64
TOP N/S 6" DIP=619.34

STM 3121
RIM=624.02
INV N 12" RCP=615.22
INV S 24" RCP=614.42

VV 2999
RIM=623.69
TOP N/S 6" DIP=619.11
TOP E 4" DIP=618.99

STM 3064
RIM=623.75
INV S 12" RCP=616.24

CB 2961
RIM=623.17
INV NW 10" VCP=617.87

INL 3317
RIM=622.64
INV NE 8" RCP=616.54

PROFILE

635 | 630 | 625 | 620 | 615 | 610

PROPOSED
STORM SEWER

STM 3615

VALVE VAULT, 5'Ø
W/ 4" GATE VALVE
STA. 21+59.81
OFFSET 25.7' RT
RIM 622.91

8"x4" TEE
STA. 21+55.97
OFFSET 17.0' RT

8"x8" TEE
STA. 21+46.70
OFFSET 17.0' RT

9 LF, 8" DUCTILE IRON
WATER MAIN, 11 CYTBF

4" DIWM, 45° BEND
STA. 21+55.97
OFFSET 21.8' RT

147 LF, 8" DUCTILE IRON
WATER MAIN, 162 CYTBF

6 LF, 4" DUCTILE IRON
WATER MAIN, 7 CYTBF

4" DIWM, 45° BEND
STA. 21+63.65
OFFSET 29.5' RT

6 LF, 4" DUCTILE IRON
WATER MAIN, 7 CYTBF

SAN 3255

TEMPORARY FIRE
HYDRANT

SAN 3209

SAN 3175

STM 3145

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 22+57.33
OFFSET 17.0' RT
RIM 623.16

5.5' MINIMUM

101 LF, 8" DUCTILE IRON
WATER MAIN, 124 CYTBF

STM 3121

SAN 3122

FIRE HYDRANT
STA. 23+53.10
OFFSET 23.4' RT

96 LF, 8" DUCTILE IRON
WATER MAIN, 118 CYTBF

8"x6" TEE
STA. 23+53.10
OFFSET 17.0' RT

36 LF, 8" DUCTILE IRON
WATER MAIN, 40 CYTBF

PROPOSED
STORM SEWER

STM 3064

CB 2961

VALVE VAULT, 5'Ø
W/ 8" GATE VALVE
STA. 23+89.48
OFFSET 22.8' RT
RIM 623.64

8"x4" TEE
STA. 23+89.48
OFFSET 17.0' RT

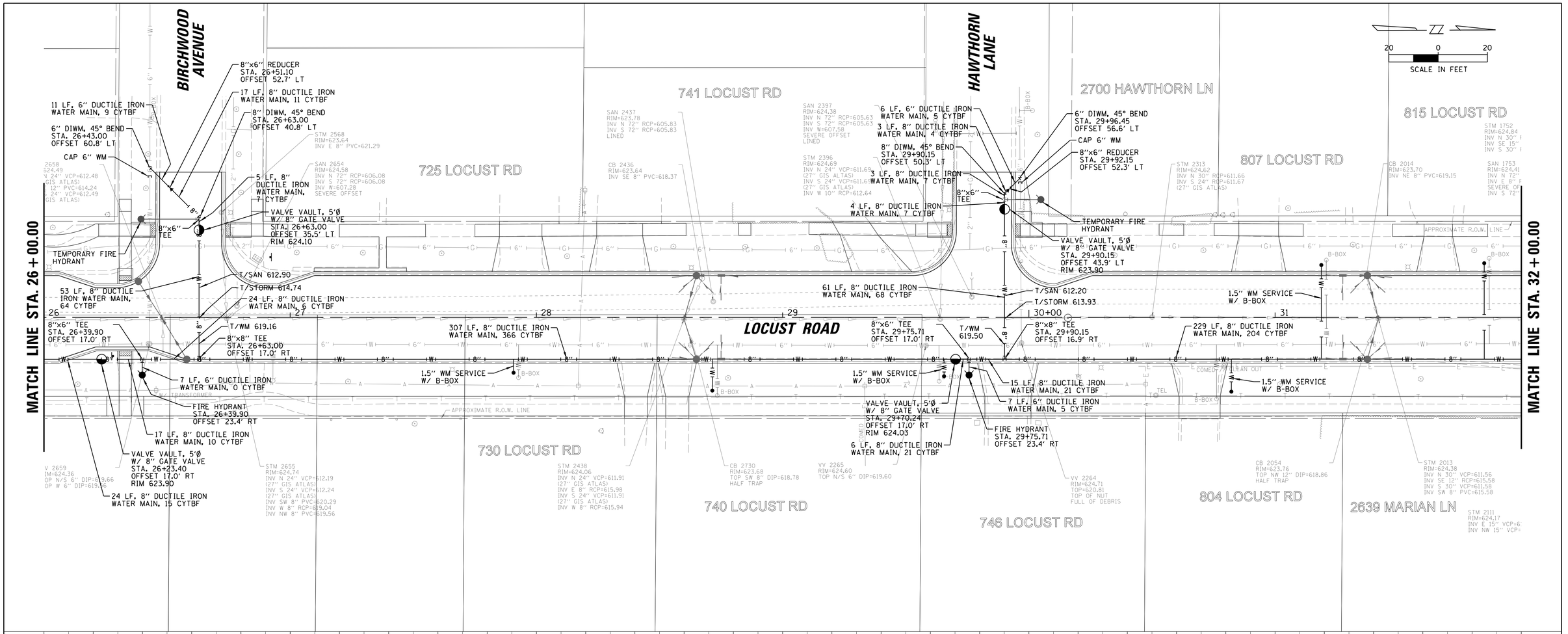
STM 3050

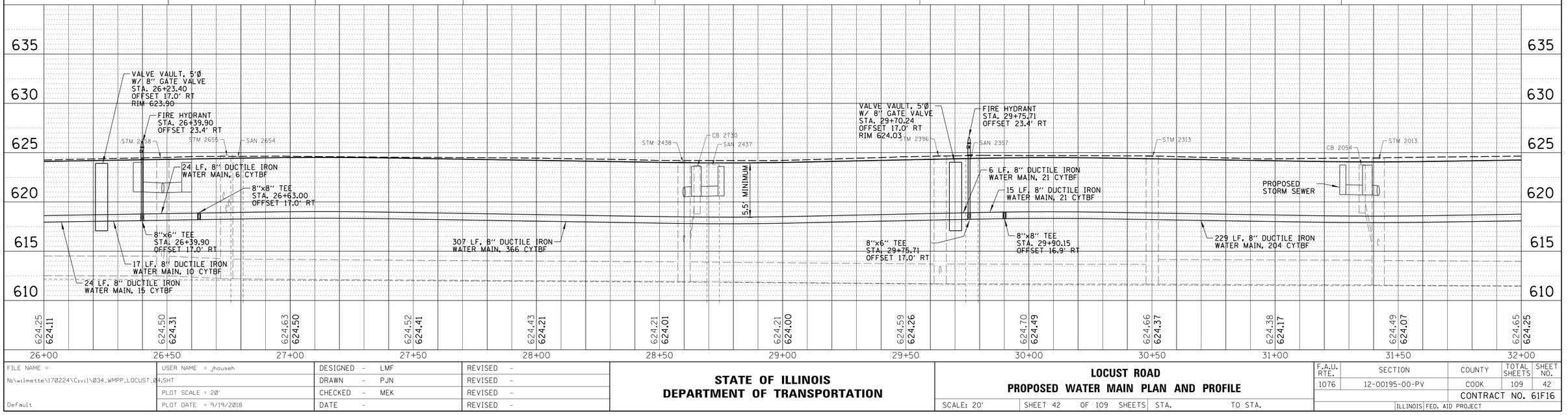
211 LF, 8" DUCTILE IRON
WATER MAIN, 233 CYTBF

623.19	623.23	622.99	623.01	623.00	622.89	623.21	623.07	623.52	623.27	623.95	623.47	624.01	623.67	623.91	623.74	623.77	623.55	623.69	623.51	624.03	623.71	624.31	623.91	624.25	624.11
20+00		20+50		21+00		21+50		22+00		22+50		23+00		23+50		24+00		24+50		25+00		25+50		26+00	

FILE NAME = N:\wilmette\170224\Civil\033_WMPP_LOCUST_03.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCUST ROAD PROPOSED WATER MAIN PLAN AND PROFILE
	PLOT SCALE = 20'	DRAWN - PJN	REVISED -		
Default	PLOT DATE = 9/19/2018	CHECKED - MEK	REVISED -		SCALE: 20' SHEET 41 OF 109 SHEETS STA. TO STA.
		DATE -	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	41
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		





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

PROFILE — SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NOTATNS | CHK'D | NOTE BOOK | NO. | BY | DATE

FILE NAME = N:\wilmette\170224\Civil\034_WMPP_LOCUST_04.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED WATER MAIN PLAN AND PROFILE

SCALE: 20' | SHEET 42 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	42
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

ALL BACKFILL OF OPEN TRENCHES WITHIN THE COOK COUNTY R.O.W. (EAST LAKE AVENUE) SHALL BE FA-6 TRENCH BACKFILL.

SCALE IN FEET 20 0 20

MATCH LINE STA. 32+00.00

POT Sta 38+00.00

2701 ORCHARD LN

ORCHARD LANE

6" DIWM, 45° BEND STA. 32+88.54 OFFSET 78.9' LT

CAP 6" WM

29 LF, 6" DUCTILE IRON WATER MAIN, 42 CYTBF

18 LF, 8" DUCTILE IRON WATER MAIN, 53 CYTBF

8"x6" TEE STA. 32+18.92 OFFSET 16.9' RT

18 LF, 8" DUCTILE IRON WATER MAIN, 12 CYTBF

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 32+37.12 OFFSET 16.9' RT RIM 624.09

T/SAN 609.02

11 LF, 8" DUCTILE IRON WATER MAIN, 12 CYTBF

8"x8" TEE STA. 32+48.32 OFFSET 16.9' RT

T/WM 618.25

T/STORM 615.79

11 LF, 6" DUCTILE IRON WATER MAIN, 2 CYTBF

31 LF, 8" DUCTILE IRON WATER MAIN, 35 CYTBF

6 LF, 8" DUCTILE IRON WATER MAIN, 7 CYTBF

FIRE HYDRANT STA. 32+18.92 OFFSET 28.0' RT

8" DIWM, 45° BEND STA. 32+48.30 OFFSET 54.1' RT

TEMPORARY FIRE HYDRANT

15 LF, 8" DUCTILE IRON WATER MAIN, 17 CYTBF

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 32+48.30 OFFSET 48.2' RT RIM 624.20

8"x6" REDUCER STA. 32+58.70 OFFSET 64.4' RT

CAP 6" WM

7 LF, 6" DUCTILE IRON WATER MAIN, 4 CYTBF

6" DIWM, 45° BEND STA. 32+63.50 OFFSET 69.3' RT

2636 MARIAN LN

MARIAN LANE

8"x6" REDUCER STA. 33+09.43 OFFSET 58.0' LT

11 LF, 8" DUCTILE IRON WATER MAIN, 6 CYTBF

8" DIWM, 45° BEND STA. 33+17.25 OFFSET 50.1' LT

TEMPORARY FIRE HYDRANT

8 LF, 8" DUCTILE IRON WATER MAIN, 6 CYTBF

8"x6" TEE

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 33+17.26 OFFSET 42.0' LT RIM 623.98

59 LF, 8" DUCTILE IRON WATER MAIN, 70 CYTBF

T/SAN 612.24

69 LF, 8" DUCTILE IRON WATER MAIN, 52 CYTBF

279 LF, 8" DUCTILE IRON WATER MAIN, 307 CYTBF

T/STORM 614.19

T/WM 618.10

8"x8" TEE STA. 33+17.30 OFFSET 16.9' RT.

55 LF, 2" WM SERVICE 61 CYTBF

1.5" WM SERVICE W/ B-BOX

B-BOX

LOCUST ROAD

35+00

32 33 34 36 37

2645 LAKE AVE

820 LOCUST RD

APPROXIMATE R.O.W. LINE

901 LOCUST RD

909 LOCUST RD

910 LOCUST RD

900 LOCUST RD

12"x6" TEE STA. 36+59.60 OFFSET 11.5' RT

6 LF, 12" DUCTILE IRON WATER MAIN, 7 CYTBF

PROJECT ENDS STA. 37+35.62

5 LF, 12" DUCTILE IRON WATER MAIN, 6 CYTBF

49 LF, 8" DUCTILE IRON WATER MAIN, 54 CYTBF

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 35+96.10 OFFSET 16.9' RT RIM 624.78

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 36+44.98 OFFSET 16.9' RT RIM 625.58

15 LF, 8" DUCTILE IRON WATER MAIN, 17 CYTBF

5 LF, 6" DUCTILE IRON WATER MAIN, 6 CYTBF

T/WM 618.00

12"x8" TEE STA. 36+59.52 OFFSET 16.9' RT

LAKE AVENUE

LAKE AVENUE TRAFFIC CONTROL NOTE:
A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701601-10 AND 701611-01.

VERTICAL ELEVATIONS OF PRIVATE UTILITIES SHOWN IN PROFILE ARE APPROXIMATED BASED ON PROVIDED UTILITY INFORMATION. EXACT HORIZONTAL AND VERTICAL LOCATIONS WILL NEED TO BE VERIFIED IN THE FIELD.

FIRE HYDRANT STA. 32+19.92 OFFSET 28.0' RT

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 32+37.12 OFFSET 16.9' RT RIM 624.09

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 32+48.30 OFFSET 48.2' RT RIM 624.20

11 LF, 8" DUCTILE IRON WATER MAIN, 12 CYTBF

8"x8" TEE STA. 32+48.30 OFFSET 16.9' RT

69 LF, 8" DUCTILE IRON WATER MAIN, 52 CYTBF

8"x8" TEE STA. 33+17.30 OFFSET 16.9' RT

PROPOSED STORM SEWER

18 LF, 8" DUCTILE IRON WATER MAIN, 12 CYTBF

8"x6" TEE STA. 32+18.92 OFFSET 16.9' RT

18 LF, 8" DUCTILE IRON WATER MAIN, 53 CYTBF

279 LF, 8" DUCTILE IRON WATER MAIN, 307 CYTBF

2" WM CONNECTION STA. 34+56.40 OFFSET 16.9' RT

5.5' MINIMUM

20'

18" MIN.

3.8'

18" MIN.

2.5'

49 LF, 8" DUCTILE IRON WATER MAIN, 54 CYTBF

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 35+96.10 OFFSET 16.9' RT RIM 624.78

VALVE VAULT, 5'Ø W/ 8" GATE VALVE STA. 36+44.98 OFFSET 16.9' RT RIM 625.58

12"x6" CROSS STA. 36+59.60 OFFSET 11.5' RT

2.9'

EXISTING 6" WATER MAIN

5 LF, 6" DUCTILE IRON WATER MAIN, 6 CYTBF

12"x8" CROSS STA. 36+59.52 OFFSET 16.9' RT

15 LF, 8" DUCTILE IRON WATER MAIN, 17 CYTBF

635 630 625 620 615 610

624.65 624.25 | 624.73 624.45 | 624.52 624.60 | 624.32 624.45 | 624.02 624.25 | 624.23 624.30 | 624.53 624.52 | 624.89 624.74 | 625.20 625.19 | 625.52 | 624.56 | 624.03

32+00 32+50 33+00 33+50 34+00 34+50 35+00 35+50 36+00 36+50 37+00 37+50

FILE NAME = N:\wilmette\170224\Civil\035_WMPP_LOCUST_05.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED WATER MAIN PLAN AND PROFILE

SCALE: 20' | SHEET 43 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	43
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

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

PROFILE: DATE | BY | SURVEYED | PLOTTED | PROFILE CHECKED | BM. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.

POINT	STATION	OFFSET	ELEV
A01	9 + 60.8	38.23' LT	623.71
A02	9 + 60.8	33.00' LT	623.63
A03	9 + 66.4	33.00' LT	623.62
A04	9 + 66.4	38.58' LT	623.62
A05	9 + 82.0	33.00' LT	623.48
A06	9 + 66.4	38.00' LT	623.62
A07	9 + 83.1	38.00' LT	623.51
A08	9 + 65.8	33.00' LT	623.60
A09	9 + 65.8	15.39' LT	623.36
A10	9 + 60.8	33.23' LT	623.63
A11	9 + 60.8	12.23' LT	623.40
A12	9 + 55.8	33.23' LT	623.60
A13	9 + 51.2	33.26' LT	623.63
A14	9 + 51.2	38.23' LT	623.66
A15	9 + 55.8	38.23' LT	623.68
A16	9 + 61.4	38.23' LT	623.70
A17	9 + 61.4	43.23' LT	623.69
A18	9 + 61.4	48.00' LT	623.69
A19	9 + 66.4	48.00' LT	623.60
A20	9 + 66.4	43.23' LT	623.61
A21	9 + 60.8	13.84' LT	623.37
A22	9 + 60.8	13.23' LT	623.38
A23	9 + 65.8	14.76' LT	623.37
A24	9 + 83.7	38.00' LT	623.52
A25	9 + 82.6	33.00' LT	623.50
A26	9 + 84.7	38.00' LT	623.56
A27	9 + 77.0	21.32' LT	623.35
A28	9 + 83.7	33.00' LT	623.53
A29	9 + 84.9	40.60' LT	623.57
A30	9 + 65.8	13.68' LT	623.40
A31	10 + 0.5	38.00' LT	624.07
A32	10 + 0.5	33.00' LT	624.07

POINT	STATION	OFFSET	ELEV
B01	10 + 39.3	38.00' LT	623.71
B02	10 + 39.3	33.00' LT	623.64
B03	10 + 33.8	33.00' LT	623.60
B04	10 + 33.8	38.00' LT	623.63
B05	10 + 45	38.00' LT	623.76
B06	10 + 45	33.00' LT	623.71
B07	10 + 50.7	33.33' LT	623.93
B08	10 + 50.7	38.14' LT	623.86
B09	10 + 34.3	48.00' LT	623.66
B10	10 + 39.3	48.00' LT	623.76
B11	10 + 39.3	43.00' LT	623.73
B12	10 + 34.3	43.00' LT	623.66
B13	10 + 34.3	38.00' LT	623.64
B14	10 + 36.6	33.00' LT	623.63
B15	10 + 38.8	14.52' LT	623.29
B16	10 + 33.8	16.35' LT	623.28
B17	10 + 17.9	38.00' LT	623.51
B18	10 + 19.1	33.00' LT	623.43
B19	10 + 22.1	38.00' LT	623.37
B20	10 + 17.6	33.00' LT	623.49
B21	10 + 33.8	0.00' RT	623.82
B22	10 + 16.3	38.00' LT	623.56
B23	10 + 16.6	33.00' LT	623.45
B24	10 + 17.3	38.00' LT	623.53
B25	10 + 33.8	15.70' LT	623.30
B26	10 + 38.8	13.91' LT	623.31
B27	10 + 38.8	12.88' LT	623.35
B28	10 + 38.8	19.37' LT	623.13
B29	10 + 33.8	14.60' LT	623.33
B30	10 + 38.8	0.00' RT	623.78

POINT	STATION	OFFSET	ELEV
A42	13+16.38	38.00' LT	622.59
A43	13+16.38	33.00' LT	622.67
A44	13+16.96	38.00' LT	622.55
A45	13+16.96	33.00' LT	622.63
A46	13+01.38	38.00' LT	623.44
A47	13+01.38	33.00' LT	623.41
A48	13+17.96	33.00' LT	622.68
A49	13+17.96	38.00' LT	622.60
A50	12+96.38	38.00' LT	623.52
A51	12+96.38	33.00' LT	623.44
A101	12+91.38	38.15' LT	623.53
A102	12+91.38	33.10' LT	623.44
A103	13+11.38	38.00' LT	622.67
A104	13+11.38	33.00' LT	622.70

POINT	STATION	OFFSET	ELEV
B41	13+42.07	38.00' LT	622.69
B43	13+42.07	33.00' LT	622.86
B44	13+41.49	33.00' LT	622.88
B45	13+41.49	38.00' LT	622.73
B46	13+62.07	38.00' LT	623.85
B47	13+62.07	33.00' LT	623.63
B48	13+40.49	38.00' LT	622.78
B49	13+40.49	33.00' LT	622.92
B50	13+67.07	38.00' LT	623.85
B51	13+67.07	33.00' LT	623.66

B74	13+29.22	38.00' LT	622.83
B75	13+29.22	33.00' LT	622.90
B102	13+47.07	33.00' LT	622.70
B103	13+47.07	38.00' LT	622.67

10 0 10
SCALE IN FEET

WILMETTE AVENUE

LOCUST ROAD

GREENLEAF AVENUE

LOCUST ROAD

10+00

13

14

POINT	STATION	OFFSET	ELEV
C01	9 + 60.8	40.00' RT	623.77
C02	9 + 65.8	40.00' RT	623.70
C03	9 + 65.8	34.66' RT	623.66
C04	9 + 60.8	34.66' RT	623.69
C05	9 + 60.7	50.00' RT	623.87
C06	9 + 65.4	50.00' RT	623.70
C07	9 + 50.8	34.61' RT	623.63
C08	9 + 50.8	39.66' RT	623.76
C09	9 + 55.8	34.66' RT	623.69
C10	9 + 55.8	39.66' RT	623.76
C11	9 + 65.8	45.00' RT	623.74
C12	9 + 60.8	45.00' RT	623.82
C13	9 + 60.8	39.66' RT	623.77
C14	9 + 65.8	16.80' RT	623.39
C15	9 + 65.8	35.00' RT	623.67
C16	9 + 81.8	35.00' RT	623.45
C17	9 + 82.7	40.00' RT	623.36
C18	9 + 75.0	40.00' RT	623.45
C19	9 + 60.8	15.15' RT	623.39
C20	9 + 60.8	23.92' RT	623.45
C21	9 + 60.8	0.00' RT	623.66
C22	9 + 65.8	16.16' RT	623.40
C23	9 + 60.8	14.55' RT	623.40
C24	9 + 65.8	0.00' RT	623.71
C25	9 + 82.4	35.00' RT	623.46
C26	9 + 83.3	40.00' RT	623.38
C27	9 + 60.8	13.52' RT	623.41
C28	9 + 65.8	15.08' RT	623.42
C29	9 + 83.4	35.00' RT	623.49
C30	9 + 84.3	40.00' RT	623.42

POINT	STATION	OFFSET	ELEV
D01	10 + 33.8	40.00' RT	623.66
D02	10 + 38.8	40.00' RT	623.74
D03	10 + 38.8	35.00' RT	623.66
D04	10 + 33.8	35.00' RT	623.63
D05	10 + 48.8	34.86' RT	623.82
D06	10 + 48.8	39.81' RT	623.92
D07	10 + 43.8	40.00' RT	623.85
D08	10 + 43.8	35.00' RT	623.77
D09	10 + 33.8	24.36' RT	623.45
D10	10 + 38.8	20.73' RT	623.28
D11	10 + 22.4	40.00' RT	623.27
D12	10 + 24.3	35.00' RT	623.29
D13	9 + 99.9	35.00' RT	623.87
D14	10 + 23	40.00' RT	623.32
D15	10 + 24.9	35.00' RT	623.31
D16	10 + 24.9	40.00' RT	623.36
D17	10 + 33.8	50.00' RT	623.75
D18	10 + 38.8	50.00' RT	623.88
D19	10 + 33.8	45.00' RT	623.73
D20	10 + 38.8	45.00' RT	623.81
D21	10 + 23.1	35.00' RT	623.28
D22	10 + 38.8	19.64' RT	623.24
D23	10 + 33.8	23.64' RT	623.37
D24	10 + 38.8	21.38' RT	623.32
D25	10 + 33.8	22.42' RT	623.26
D26	10 + 21.3	40.00' RT	623.27
D27	10 + 23.1	35.00' RT	623.28
D28	9 + 99.9	40.00' RT	623.85

POINT	STATION	OFFSET	ELEV
C40	12+99.75	35.00' RT	623.63
C41	13+14.75	35.00' RT	622.66
C42	12+99.75	40.00' RT	623.66
C43	13+14.75	40.00' RT	622.63
C44	13+14.75	51.00' RT	622.59
C45	13+21.34	40.00' RT	622.50
C46	13+21.34	35.00' RT	622.57
C47	13+20.75	40.00' RT	622.54
C48	13+20.75	35.00' RT	622.61
C49	13+20.75	51.00' RT	622.50
C50	13+16.84	61.00' RT	622.62
C51	13+20.75	61.00' RT	622.54
C52	13+22.34	40.00' RT	622.55
C53	13+22.34	35.00' RT	622.62
C54	13+32.95	35.00' RT	622.83
C55	13+32.95	40.00' RT	622.76
C56	12+94.75	34.97' RT	623.66
C57	12+94.75	40.04' RT	623.73
C58	13+14.75	45.00' RT	622.76
C59	13+20.75	45.00' RT	622.67

POINT	STATION	OFFSET	ELEV
D40	13+44.32	35.00' RT	622.58
D41	13+44.32	40.00' RT	622.50
D42	13+44.91	35.00' RT	622.62
D43	13+44.91	40.00' RT	622.54
D44	13+50.91	35.00' RT	622.66
D45	13+75.66	35.00' RT	624.01
D46	13+50.91	40.00' RT	622.63
D47	13+75.66	40.00' RT	624.09
D48	13+50.91	51.00' RT	622.51
D49	13+70.66	35.00' RT	623.98
D50	13+70.66	40.00' RT	624.01
D51	13+43.32	35.00' RT	622.63
D52	13+43.32	40.00' RT	622.55
D53	13+44.91	51.00' RT	622.42
D54	13+48.77	61.00' RT	622.65
D55	13+44.91	61.00' RT	622.46
D56	13+50.91	45.00' RT	622.73
D57	13+44.91	45.00' RT	622.64
D111	13+80.66	35.00' RT	624.10
D112	13+80.66	40.00' RT	624.10

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

FILE NAME = N:\wilmette\l70224\Civil\05l_ADA_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 10'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD ADA RAMPS
GRADING PLAN

SCALE: 1" = 10' | SHEET 44 OF 109 SHEETS | STA. N/A | TO STA.N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	44
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

POINT	STATION	OFFSET	ELEV
A60	16+30.02	38.00' LT	623.25
A61	16+34.87	38.00' LT	623.18
A62	16+34.87	33.00' LT	623.15
A63	16+30.02	33.00' LT	623.18
A64	16+20.02	37.86' LT	623.52
A65	16+20.02	33.00' LT	623.47
A66	16+30.02	48.00' LT	623.36
A67	16+34.87	48.00' LT	623.19
A68	16+34.87	43.00' LT	623.28
A69	16+30.02	43.00' LT	623.36
A70	16+45.10	33.00' LT	622.80
A71	16+45.10	38.00' LT	622.72
A72	16+44.51	33.00' LT	622.84
A73	16+44.51	38.00' LT	622.76
A76	16+46.10	38.00' LT	622.77
A77	16+46.10	33.00' LT	622.85
A78	16+25.02	33.00' LT	623.37
A79	16+25.02	38.00' LT	623.45

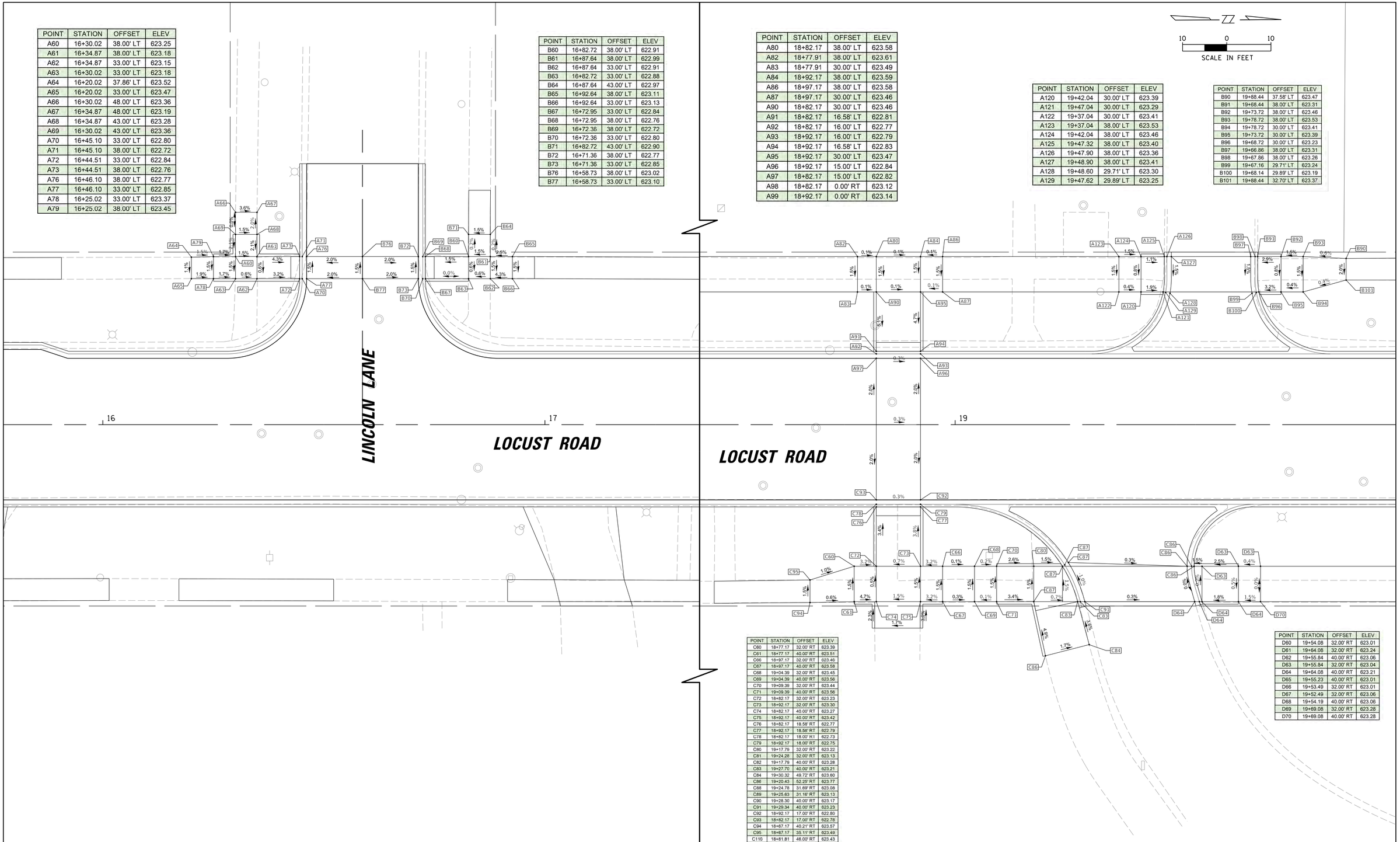
POINT	STATION	OFFSET	ELEV
B60	16+82.72	38.00' LT	622.91
B61	16+87.64	38.00' LT	622.99
B62	16+87.64	33.00' LT	622.91
B63	16+82.72	33.00' LT	622.88
B64	16+87.64	43.00' LT	622.97
B65	16+92.64	38.00' LT	623.11
B66	16+92.64	33.00' LT	623.13
B67	16+72.95	33.00' LT	622.84
B68	16+72.95	38.00' LT	622.76
B69	16+72.35	38.00' LT	622.72
B70	16+72.35	33.00' LT	622.80
B71	16+82.72	43.00' LT	622.90
B72	16+71.36	38.00' LT	622.77
B73	16+71.36	33.00' LT	622.85
B76	16+58.73	38.00' LT	623.02
B77	16+58.73	33.00' LT	623.10

POINT	STATION	OFFSET	ELEV
A80	18+82.17	38.00' LT	623.58
A82	18+77.91	38.00' LT	623.61
A83	18+77.91	30.00' LT	623.49
A84	18+92.17	38.00' LT	623.59
A86	18+97.17	38.00' LT	623.58
A87	18+97.17	30.00' LT	623.46
A90	18+82.17	30.00' LT	623.46
A91	18+82.17	16.58' LT	622.81
A92	18+82.17	16.00' LT	622.77
A93	18+92.17	16.00' LT	622.79
A94	18+92.17	16.58' LT	622.83
A95	18+92.17	30.00' LT	623.47
A96	18+92.17	15.00' LT	622.84
A97	18+82.17	15.00' LT	622.82
A98	18+82.17	0.00' RT	623.12
A99	18+92.17	0.00' RT	623.14

POINT	STATION	OFFSET	ELEV
A120	19+42.04	30.00' LT	623.39
A121	19+47.04	30.00' LT	623.29
A122	19+37.04	30.00' LT	623.41
A123	19+37.04	38.00' LT	623.53
A124	19+42.04	38.00' LT	623.46
A125	19+47.32	38.00' LT	623.40
A126	19+47.90	38.00' LT	623.36
A127	19+48.90	38.00' LT	623.41
A128	19+48.60	29.71' LT	623.30
A129	19+47.62	29.89' LT	623.25

POINT	STATION	OFFSET	ELEV
B90	19+88.44	37.58' LT	623.47
B91	19+68.44	38.00' LT	623.31
B92	19+73.72	38.00' LT	623.46
B93	19+78.72	38.00' LT	623.53
B94	19+78.72	30.00' LT	623.41
B95	19+73.72	30.00' LT	623.39
B96	19+68.72	30.00' LT	623.23
B97	19+66.86	38.00' LT	623.31
B98	19+67.86	38.00' LT	623.26
B99	19+67.16	29.71' LT	623.24
B100	19+68.14	29.89' LT	623.19
B101	19+88.44	32.70' LT	623.37

10 0 10
SCALE IN FEET



POINT	STATION	OFFSET	ELEV
C60	18+77.17	32.00' RT	623.39
C61	18+77.17	40.00' RT	623.51
C66	18+97.17	32.00' RT	623.46
C67	18+97.17	40.00' RT	623.58
C68	19+04.39	32.00' RT	623.45
C69	19+04.39	40.00' RT	623.56
C70	19+09.39	32.00' RT	623.44
C71	19+09.39	40.00' RT	623.56
C72	18+82.17	32.00' RT	623.23
C73	18+92.17	32.00' RT	623.30
C74	18+82.17	40.00' RT	623.27
C75	18+92.17	40.00' RT	623.42
C76	18+82.17	18.58' RT	622.77
C77	18+92.17	18.58' RT	622.79
C78	18+82.17	18.00' R1	622.73
C79	18+92.17	18.00' RT	622.75
C80	19+17.79	32.00' RT	623.22
C81	19+24.28	32.00' RT	623.13
C82	19+17.79	40.00' RT	623.28
C83	19+27.70	40.00' RT	623.21
C84	19+30.32	49.72' RT	623.60
C86	19+20.43	52.25' RT	623.77
C88	19+24.78	31.69' RT	623.08
C89	19+25.63	31.16' RT	623.13
C90	19+28.30	40.00' RT	623.17
C91	19+29.34	40.00' RT	623.23
C92	18+92.17	17.00' RT	622.80
C93	18+82.17	17.00' RT	622.78
C94	18+67.17	40.21' RT	623.57
C95	18+67.17	35.11' RT	623.49
C110	18+81.81	46.00' RT	623.43
C111	18+81.81	40.00' RT	623.29
C112	18+92.10	46.00' RT	623.60
C113	18+92.10	40.00' RT	623.42

POINT	STATION	OFFSET	ELEV
D60	19+54.08	32.00' RT	623.01
D61	19+64.08	32.00' RT	623.24
D62	19+55.84	40.00' RT	623.06
D63	19+55.84	32.00' RT	623.04
D64	19+64.08	40.00' RT	623.21
D65	19+55.23	40.00' RT	623.01
D66	19+53.49	32.00' RT	623.01
D67	19+52.49	32.00' RT	623.06
D68	19+54.19	40.00' RT	623.06
D69	19+69.08	32.00' RT	623.28
D70	19+69.08	40.00' RT	623.28

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

FILE NAME = N:\wilmette\170224\Civil\052_ADA_LOCUST_02.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
Default	PLOT SCALE = 10'	CHECKED - MEK	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD ADA RAMPS
GRADING PLAN

SCALE: 1" = 10' | SHEET 45 OF 109 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	45
		CONTRACT NO. 61F16		
		ILLINOIS	FED. AID PROJECT	

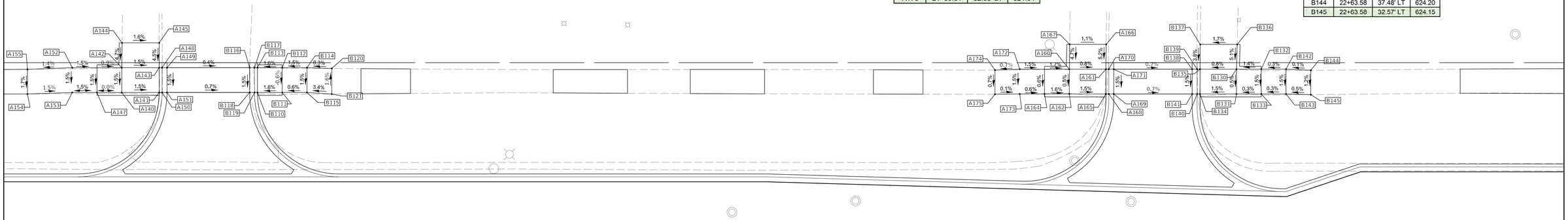
POINT	STATION	OFFSET	ELEV
A140	20+23.53	33.00' LT	623.48
A141	20+31.08	33.00' LT	623.37
A142	20+23.53	38.00' LT	623.56
A143	20+31.08	38.00' LT	623.44
A144	20+23.59	43.00' LT	623.79
A145	20+31.09	43.00' LT	623.67
A146	20+18.53	38.00' LT	623.51
A147	20+18.53	33.00' LT	623.48
A148	20+31.66	38.00' LT	623.40
A149	20+32.66	38.00' LT	623.45
A150	20+31.66	33.00' LT	623.33
A151	20+32.66	33.00' LT	623.38
A152	20+13.53	38.00' LT	623.59
A153	20+13.53	33.00' LT	623.51
A154	20+04.50	32.69' LT	623.37
A155	20+04.50	37.67' LT	623.46

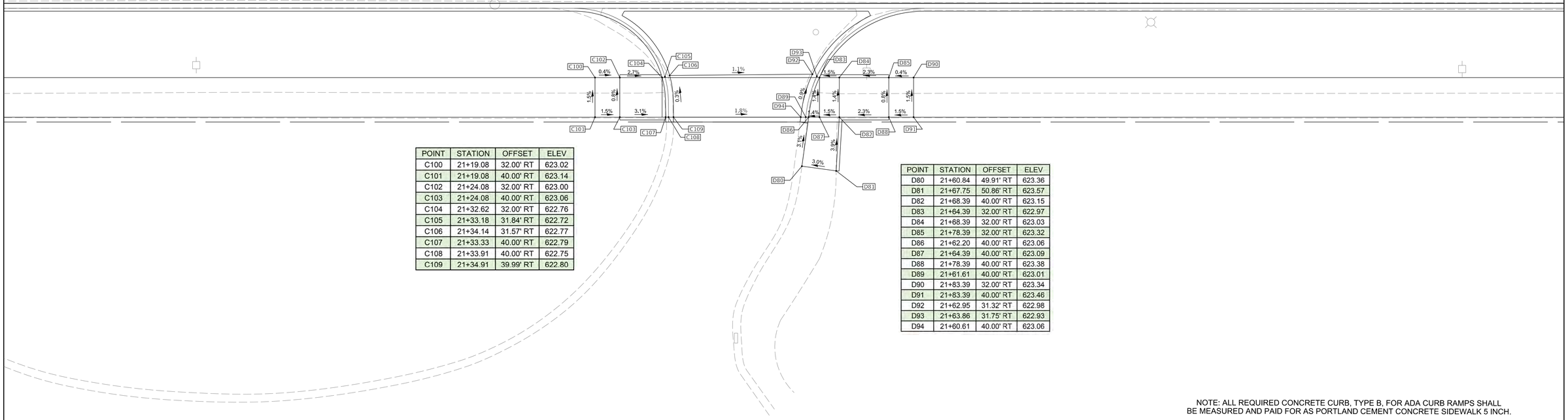
POINT	STATION	OFFSET	ELEV
B110	20+50.93	33.00' LT	623.24
B111	20+55.93	33.00' LT	623.37
B112	20+55.93	38.00' LT	623.40
B113	20+50.93	38.00' LT	623.32
B114	20+60.93	38.00' LT	623.47
B115	20+60.93	33.00' LT	623.40
B116	20+49.34	38.00' LT	623.33
B117	20+50.34	38.00' LT	623.28
B118	20+49.34	33.00' LT	623.25
B119	20+50.34	33.00' LT	623.20
B120	20+65.93	37.85' LT	623.49
B121	20+65.93	32.69' LT	623.57

POINT	STATION	OFFSET	ELEV
A160	22+14.81	37.70' LT	623.95
A161	22+22.21	37.70' LT	623.89
A162	22+14.81	32.70' LT	623.93
A163	22+09.81	37.70' LT	624.04
A164	22+09.81	32.70' LT	624.00
A165	22+22.21	32.70' LT	623.82
A166	22+22.27	42.70' LT	624.15
A167	22+14.89	42.70' LT	624.24
A168	22+22.80	32.70' LT	623.77
A169	22+23.80	32.70' LT	623.82
A170	22+22.80	37.70' LT	623.85
A171	22+23.80	37.70' LT	623.90
A172	22+04.81	37.70' LT	624.11
A173	22+04.81	32.70' LT	624.04
A174	21+99.81	37.52' LT	624.07
A175	21+99.81	32.65' LT	624.04

10 0 10
SCALE IN FEET

POINT	STATION	OFFSET	ELEV
B130	22+48.58	37.70' LT	624.11
B131	22+48.58	32.70' LT	624.09
B132	22+53.58	37.70' LT	624.18
B133	22+53.58	32.70' LT	624.11
B134	22+41.21	32.70' LT	623.98
B135	22+41.21	37.70' LT	624.05
B136	22+48.71	42.70' LT	624.37
B137	22+41.26	42.70' LT	624.24
B138	22+39.63	37.70' LT	624.06
B139	22+40.63	37.70' LT	624.01
B140	22+40.63	32.70' LT	623.94
B141	22+39.63	32.70' LT	623.99
B142	22+58.58	37.70' LT	624.20
B143	22+58.58	32.70' LT	624.12
B144	22+63.58	37.48' LT	624.20
B145	22+63.58	32.57' LT	624.15





POINT	STATION	OFFSET	ELEV
C100	21+19.08	32.00' RT	623.02
C101	21+19.08	40.00' RT	623.14
C102	21+24.08	32.00' RT	623.00
C103	21+24.08	40.00' RT	623.06
C104	21+32.62	32.00' RT	622.76
C105	21+33.18	31.84' RT	622.72
C106	21+34.14	31.57' RT	622.77
C107	21+33.33	40.00' RT	622.79
C108	21+33.91	40.00' RT	622.75
C109	21+34.91	39.99' RT	622.80

POINT	STATION	OFFSET	ELEV
D80	21+60.84	49.91' RT	623.36
D81	21+67.75	50.86' RT	623.57
D82	21+68.39	40.00' RT	623.15
D83	21+64.39	32.00' RT	622.97
D84	21+68.39	32.00' RT	623.03
D85	21+78.39	32.00' RT	623.32
D86	21+62.20	40.00' RT	623.06
D87	21+64.39	40.00' RT	623.09
D88	21+78.39	40.00' RT	623.38
D89	21+61.61	40.00' RT	623.01
D90	21+83.39	32.00' RT	623.34
D91	21+83.39	40.00' RT	623.46
D92	21+62.95	31.32' RT	622.98
D93	21+63.86	31.75' RT	622.93
D94	21+60.61	40.00' RT	623.06

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

FILE NAME = N:\wilmette\170224\Civil\053_ADA_LOCUST_03.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 10'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD ADA RAMPS
GRADING PLAN

SCALE: 1" = 10' | SHEET 46 OF 109 SHEETS | STA. N/A | TO STA.N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	46
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

POINT	STATION	OFFSET	ELEV
A180	26+30.52	38.00' LT	624.40
A181	26+35.47	38.00' LT	624.33
A182	26+35.52	33.00' LT	624.29
A183	26+30.52	33.00' LT	624.33
A184	26+35.52	14.94' LT	624.00
A185	26+30.52	14.94' LT	624.01
A186	26+35.52	19.94' LT	624.05
A187	26+30.52	19.94' LT	624.13
A188	26+22.23	33.00' LT	624.45
A189	26+22.23	38.00' LT	624.52
A190	26+30.52	13.66' LT	623.99
A191	26+30.52	13.07' LT	623.94
A192	26+45.39	38.00' LT	623.84
A193	26+45.39	33.00' LT	623.88
A194	26+30.56	43.00' LT	624.39
A195	26+35.50	43.00' LT	624.31
A196	26+45.98	38.00' LT	623.80
A197	26+46.98	38.00' LT	623.85
A198	26+45.98	33.00' LT	623.84
A199	26+46.98	33.00' LT	623.89
A200	26+30.52	12.07' LT	623.99
A201	26+35.75	14.41' LT	624.01
A202	26+36.15	13.49' LT	624.01

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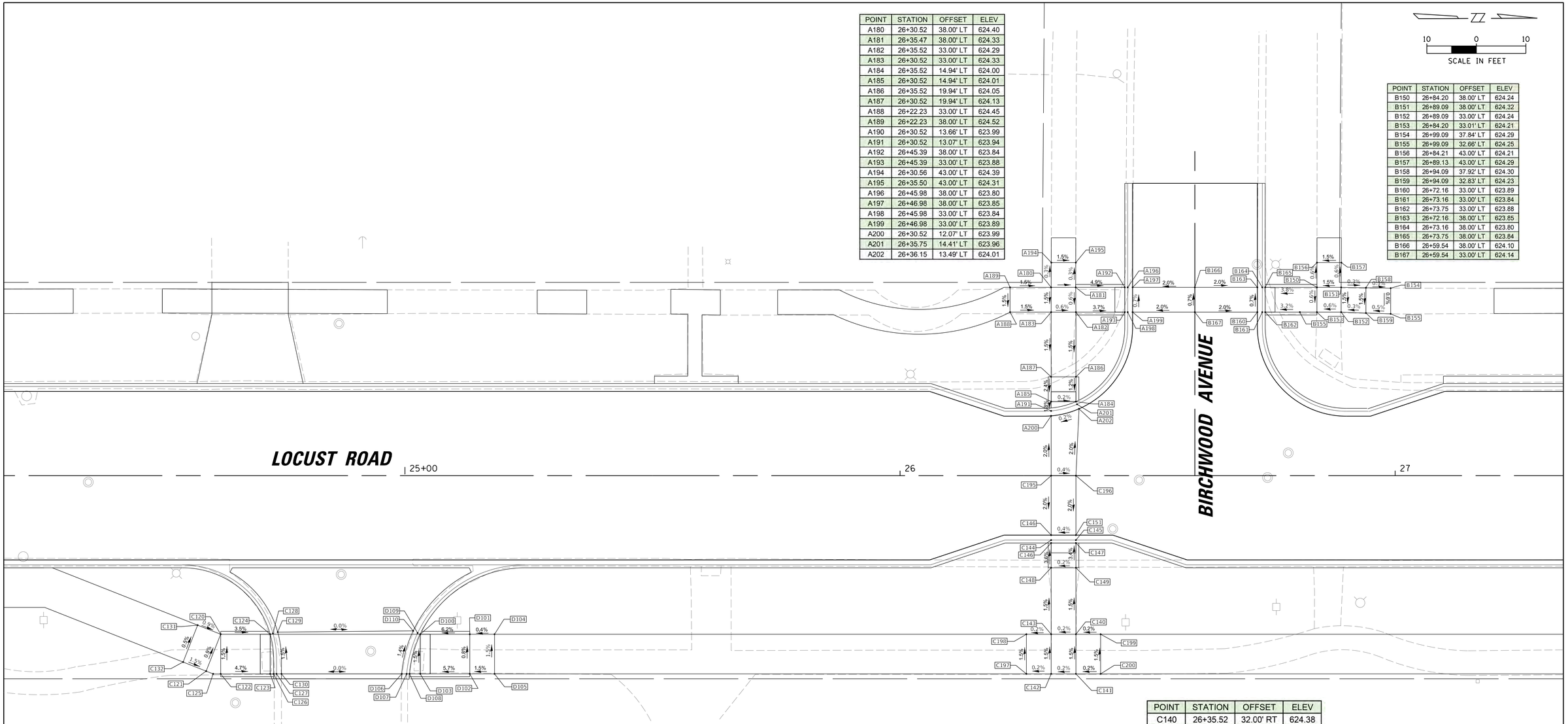
SCALE IN FEET

POINT	STATION	OFFSET	ELEV
B150	26+84.20	38.00' LT	624.24
B151	26+89.09	38.00' LT	624.32
B152	26+89.09	33.00' LT	624.24
B153	26+84.20	33.01' LT	624.21
B154	26+99.09	37.84' LT	624.29
B155	26+99.09	32.66' LT	624.25
B156	26+84.21	43.00' LT	624.21
B157	26+89.13	43.00' LT	624.29
B158	26+94.09	37.92' LT	624.30
B159	26+94.09	32.83' LT	624.23
B160	26+72.16	33.00' LT	623.89
B161	26+73.16	33.00' LT	623.84
B162	26+73.75	33.00' LT	623.88
B163	26+72.16	38.00' LT	623.85
B164	26+73.16	38.00' LT	623.80
B165	26+73.75	38.00' LT	623.84
B166	26+59.54	38.00' LT	624.10
B167	26+59.54	33.00' LT	624.14



POINT	STATION	OFFSET	ELEV
C120	24+62.79	32.00' RT	623.92
C121	24+59.85	39.44' RT	624.00
C122	24+62.79	40.00' RT	624.04
C123	24+72.79	40.00' RT	623.58
C124	24+72.79	32.00' RT	623.57
C125	24+61.27	40.00' RT	624.02
C126	24+73.48	40.00' RT	623.57
C127	24+74.07	40.00' RT	623.53
C128	24+73.35	31.84' RT	623.45
C129	24+74.31	31.57' RT	623.46
C130	24+75.07	40.00' RT	623.58
C131	24+58.14	30.17' RT	623.88
C132	24+55.20	37.61' RT	623.92

POINT	STATION	OFFSET	ELEV
D100	25+03.10	32.00' RT	623.45
D101	25+13.10	32.00' RT	624.07
D102	25+13.10	40.00' RT	624.14
D103	25+03.10	40.00' RT	623.57
D104	25+18.10	32.00' RT	624.09
D105	25+18.10	40.00' RT	624.21
D106	24+99.35	40.00' RT	623.58
D107	25+00.36	40.00' RT	623.53
D108	25+00.94	40.00' RT	623.57
D109	25+02.57	31.75' RT	623.41
D110	25+01.67	31.32' RT	623.46

POINT	STATION	OFFSET	ELEV
C140	26+35.52	32.00' RT	624.38
C141	26+35.52	40.00' RT	624.50
C142	26+30.52	40.00' RT	624.49
C143	26+30.52	32.00' RT	624.37
C144	26+30.52	13.00' RT	623.94
C145	26+35.52	13.00' RT	623.96
C146	26+30.52	13.58' RT	623.99
C147	26+35.52	13.58' RT	624.01
C148	26+30.52	18.58' RT	624.17
C149	26+35.52	18.58' RT	624.18
C150	26+30.52	12.00' RT	623.99
C151	26+35.52	12.00' RT	624.01
C195	26+30.52	0.00' RT	624.23
C196	26+35.52	0.00' RT	624.25
C197	26+25.52	40.00' RT	624.48
C198	26+25.52	32.00' RT	624.36
C199	26+40.52	32.00' RT	624.39
C200	26+40.52	40.00' RT	624.51

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

FILE NAME = N:\wilmette\170224\Civil\054_ADA_LOCUST_04.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 10'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD ADA RAMPS
GRADING PLAN

SCALE: 1" = 10' | SHEET 47 OF 109 SHEETS | STA. N/A | TO STA.N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	47
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

POINT	STATION	OFFSET	ELEV
A210	29+81.72	38.00' LT	624.03
A211	29+58.84	38.00' LT	624.26
A212	29+68.84	33.00' LT	623.82
A213	29+58.84	33.00' LT	624.22
A214	29+68.84	38.00' LT	623.81
A215	29+54.06	33.00' LT	624.25
A216	29+54.06	38.00' LT	624.33
A217	29+69.55	38.00' LT	623.76
A218	29+70.55	38.00' LT	623.81
A219	29+69.42	32.93' LT	623.78
A220	29+70.42	32.81' LT	623.83
A221	29+81.72	32.90' LT	624.05

POINT	STATION	OFFSET	ELEV
B170	30+00.46	38.00' LT	623.89
B171	30+00.46	33.00' LT	623.92
B172	29+94.46	33.00' LT	623.88
B173	30+05.46	38.00' LT	624.16
B174	30+05.46	33.00' LT	624.13
B175	29+94.46	38.00' LT	623.80
B176	30+00.46	43.00' LT	624.15
B177	29+94.46	43.00' LT	624.06
B178	30+10.46	32.82' LT	624.17
B179	30+10.46	38.13' LT	624.24
B180	29+93.88	38.00' LT	623.76
B181	29+93.88	33.00' LT	623.84

POINT	STATION	OFFSET	ELEV
B183	29+98.16	59.00' LT	623.94
B184	29+94.46	59.00' LT	623.99
B185	30+00.46	48.00' LT	624.13
B186	29+94.46	48.00' LT	624.04
B187	29+92.88	38.00' LT	623.81
B188	29+92.88	33.00' LT	623.89

10 0 10
SCALE IN FEET

POINT	STATION	OFFSET	ELEV
A230	32+89.38	38.00' LT	624.07
A231	32+95.38	38.00' LT	623.98
A232	32+89.38	43.00' LT	624.14
A233	32+95.38	43.00' LT	624.23
A234	32+89.38	33.00' LT	624.10
A235	32+84.38	38.00' LT	624.37
A236	32+84.38	33.00' LT	624.34
A237	32+79.38	38.00' LT	624.45
A238	32+79.38	33.00' LT	624.37
A239	32+91.91	59.00' LT	624.08
A240	32+95.38	59.00' LT	624.11
A241	32+95.97	38.00' LT	623.94
A242	32+95.97	33.00' LT	624.01
A243	32+95.38	33.00' LT	624.06
A244	32+96.97	38.00' LT	623.99
A245	32+89.38	47.00' LT	624.20
A246	32+95.38	47.00' LT	624.20
A247	32+96.97	33.00' LT	624.06
A248	32+74.38	37.84' LT	624.46
A249	32+74.38	33.19' LT	624.39

POINT	STATION	OFFSET	ELEV
B190	33+21.47	33.00' LT	624.01
B191	33+21.47	38.00' LT	623.99
B192	33+27.49	38.00' LT	624.19
B193	33+32.81	38.00' LT	624.27
B194	33+32.81	33.00' LT	624.19
B195	33+27.49	33.00' LT	624.16
B196	33+20.69	38.00' LT	623.98
B197	33+27.49	43.00' LT	624.21
B198	33+32.81	43.00' LT	624.29
B199	33+19.10	38.00' LT	623.99
B200	33+20.10	38.00' LT	623.94
B201	33+19.96	32.52' LT	624.01
B202	33+20.91	32.82' LT	623.96
B203	33+38.37	38.00' LT	624.28
B204	33+38.37	33.00' LT	624.31
B205	33+08.03	32.77' LT	624.23
B206	33+08.03	38.00' LT	624.21

POINT	STATION	OFFSET	ELEV
C160	32+33.07	40.00' RT	623.92
C161	32+33.07	34.00' RT	623.95
C162	32+26.49	40.00' RT	623.97
C163	32+26.49	34.00' RT	623.94
C164	32+32.07	40.00' RT	623.87
C165	32+32.07	34.00' RT	623.90
C166	32+31.49	40.00' RT	623.91
C167	32+31.49	34.00' RT	623.94
C168	32+21.49	40.00' RT	624.03
C169	32+21.49	34.00' RT	623.94
C201	32+11.49	40.00' RT	624.15
C202	32+11.49	32.00' RT	624.03
C203	32+44.23	34.00' RT	624.18
C204	32+44.23	40.00' RT	624.14

POINT	STATION	OFFSET	ELEV
D120	32+62.96	40.00' RT	624.00
D121	32+62.96	34.00' RT	624.03
D122	32+67.96	40.00' RT	624.19
D123	32+67.96	34.00' RT	624.27
D124	32+56.96	40.00' RT	623.91
D125	32+62.96	45.00' RT	624.25
D126	32+56.96	45.00' RT	624.16
D127	32+62.96	49.00' RT	624.22
D128	32+56.96	49.00' RT	624.13
D129	32+56.96	34.00' RT	623.94
D130	32+60.51	61.00' RT	623.93
D131	32+56.38	34.00' RT	623.90
D132	32+56.38	40.00' RT	623.87
D133	32+72.96	40.00' RT	624.19
D134	32+72.96	34.00' RT	624.28
D135	32+55.38	34.00' RT	623.95
D136	32+55.38	40.00' RT	623.92
D137	32+56.96	61.00' RT	624.04

HAWTHORN LANE

ORCHARD LANE

MARIAN LANE

LOCUST ROAD

LOCUST ROAD

29

30+00

32

33

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

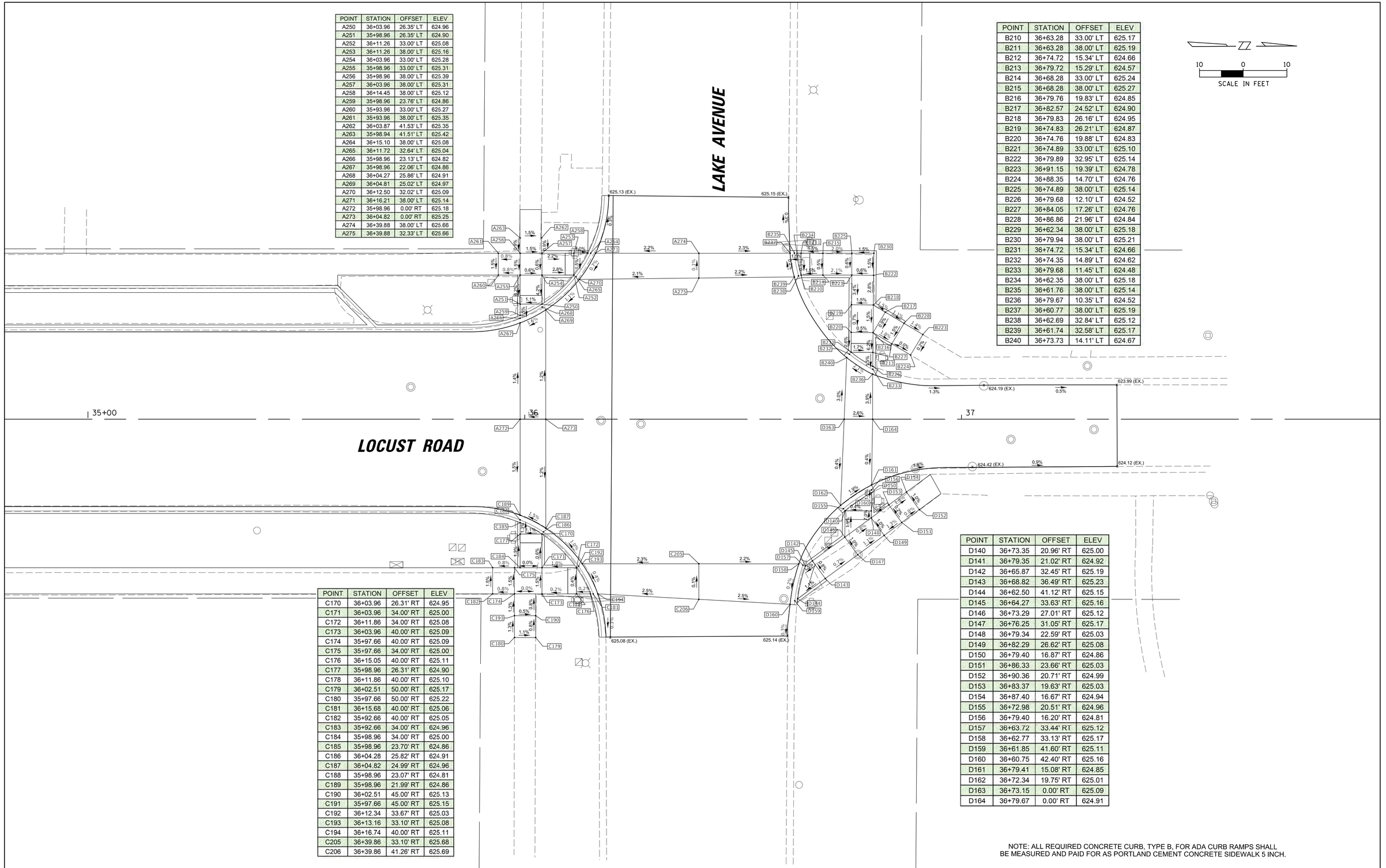
FILE NAME = N:\wilmette\170224\Civil\055_ADA_LOCUST_05.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 10'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD ADA RAMPS
GRADING PLAN

SCALE: 1" = 10' | SHEET 48 OF 109 SHEETS | STA. N/A | TO STA.N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	48
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



POINT	STATION	OFFSET	ELEV
A250	36+03.96	26.35' LT	624.96
A251	35+98.96	26.35' LT	624.90
A252	36+11.26	33.00' LT	625.08
A253	36+11.26	38.00' LT	625.16
A254	36+03.96	33.00' LT	625.28
A255	35+98.96	33.00' LT	625.31
A256	35+98.96	38.00' LT	625.39
A257	36+03.96	38.00' LT	625.31
A258	36+14.45	38.00' LT	625.12
A259	35+98.96	23.76' LT	624.86
A260	35+93.96	33.00' LT	625.27
A261	35+93.96	38.00' LT	625.35
A262	36+03.87	41.53' LT	625.35
A263	35+98.94	41.51' LT	625.42
A264	36+15.10	38.00' LT	625.08
A265	36+11.72	32.64' LT	625.04
A266	35+98.96	23.13' LT	624.82
A267	35+98.96	22.06' LT	624.86
A268	36+04.27	25.86' LT	624.91
A269	36+04.81	25.02' LT	624.97
A270	36+12.50	32.02' LT	625.09
A271	36+16.21	38.00' LT	625.14
A272	35+98.96	0.00' RT	625.18
A273	36+04.82	0.00' RT	625.25
A274	36+39.88	38.00' LT	625.66
A275	36+39.88	32.33' LT	625.66

POINT	STATION	OFFSET	ELEV
B210	36+63.28	33.00' LT	625.17
B211	36+63.28	38.00' LT	625.19
B212	36+74.72	15.34' LT	624.66
B213	36+79.72	15.29' LT	624.57
B214	36+68.28	33.00' LT	625.24
B215	36+68.28	38.00' LT	625.27
B216	36+79.76	19.83' LT	624.85
B217	36+82.57	24.52' LT	624.90
B218	36+79.83	26.16' LT	624.95
B219	36+74.83	26.21' LT	624.87
B220	36+74.76	19.88' LT	624.83
B221	36+74.89	33.00' LT	625.10
B222	36+79.89	32.95' LT	625.14
B223	36+91.15	19.39' LT	624.78
B224	36+88.35	14.70' LT	624.76
B225	36+74.89	38.00' LT	625.14
B226	36+79.68	12.10' LT	624.52
B227	36+84.05	17.26' LT	624.76
B228	36+86.86	21.96' LT	624.84
B229	36+62.34	38.00' LT	625.18
B230	36+79.94	38.00' LT	625.21
B231	36+74.72	15.34' LT	624.66
B232	36+74.35	14.89' LT	624.62
B233	36+79.68	11.45' LT	624.48
B234	36+62.35	38.00' LT	625.18
B235	36+61.76	38.00' LT	625.14
B236	36+79.67	10.35' LT	624.52
B237	36+60.77	38.00' LT	625.19
B238	36+62.69	32.84' LT	625.12
B239	36+61.74	32.58' LT	625.17
B240	36+73.73	14.11' LT	624.67

POINT	STATION	OFFSET	ELEV
C170	36+03.96	26.31' RT	624.95
C171	36+03.96	34.00' RT	625.00
C172	36+11.86	34.00' RT	625.08
C173	36+03.96	40.00' RT	625.09
C174	35+97.66	40.00' RT	625.09
C175	35+97.66	34.00' RT	625.00
C176	36+15.05	40.00' RT	625.11
C177	35+98.96	26.31' RT	624.90
C178	36+11.86	40.00' RT	625.10
C179	36+02.51	50.00' RT	625.17
C180	35+97.66	50.00' RT	625.22
C181	36+15.68	40.00' RT	625.06
C182	35+92.66	40.00' RT	625.05
C183	35+92.66	34.00' RT	624.96
C184	35+98.96	34.00' RT	625.00
C185	35+98.96	23.70' RT	624.86
C186	36+04.28	25.82' RT	624.91
C187	36+04.82	24.99' RT	624.96
C188	35+98.96	23.07' RT	624.81
C189	35+98.96	21.99' RT	624.86
C190	36+02.51	45.00' RT	625.13
C191	35+97.66	45.00' RT	625.15
C192	36+12.34	33.67' RT	625.03
C193	36+13.16	33.10' RT	625.08
C194	36+16.74	40.00' RT	625.11
C205	36+39.86	33.10' RT	625.68
C206	36+39.86	41.26' RT	625.69

POINT	STATION	OFFSET	ELEV
D140	36+73.35	20.96' RT	625.00
D141	36+79.35	21.02' RT	624.92
D142	36+65.87	32.45' RT	625.19
D143	36+68.82	36.49' RT	625.23
D144	36+62.50	41.12' RT	625.15
D145	36+64.27	33.63' RT	625.16
D146	36+73.29	27.01' RT	625.12
D147	36+76.25	31.05' RT	625.17
D148	36+79.34	22.59' RT	625.03
D149	36+82.29	26.62' RT	625.08
D150	36+79.40	16.87' RT	624.86
D151	36+86.33	23.66' RT	625.03
D152	36+90.36	20.71' RT	624.99
D153	36+83.37	19.63' RT	625.03
D154	36+87.40	16.67' RT	624.94
D155	36+72.98	20.51' RT	624.96
D156	36+79.40	16.20' RT	624.81
D157	36+63.72	33.44' RT	625.12
D158	36+62.77	33.13' RT	625.17
D159	36+61.85	41.60' RT	625.11
D160	36+60.75	42.40' RT	625.16
D161	36+79.41	15.08' RT	624.85
D162	36+72.34	19.75' RT	625.01
D163	36+73.15	0.00' RT	625.09
D164	36+79.67	0.00' RT	624.91

NOTE: ALL REQUIRED CONCRETE CURB, TYPE B, FOR ADA CURB RAMPS SHALL BE MEASURED AND PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

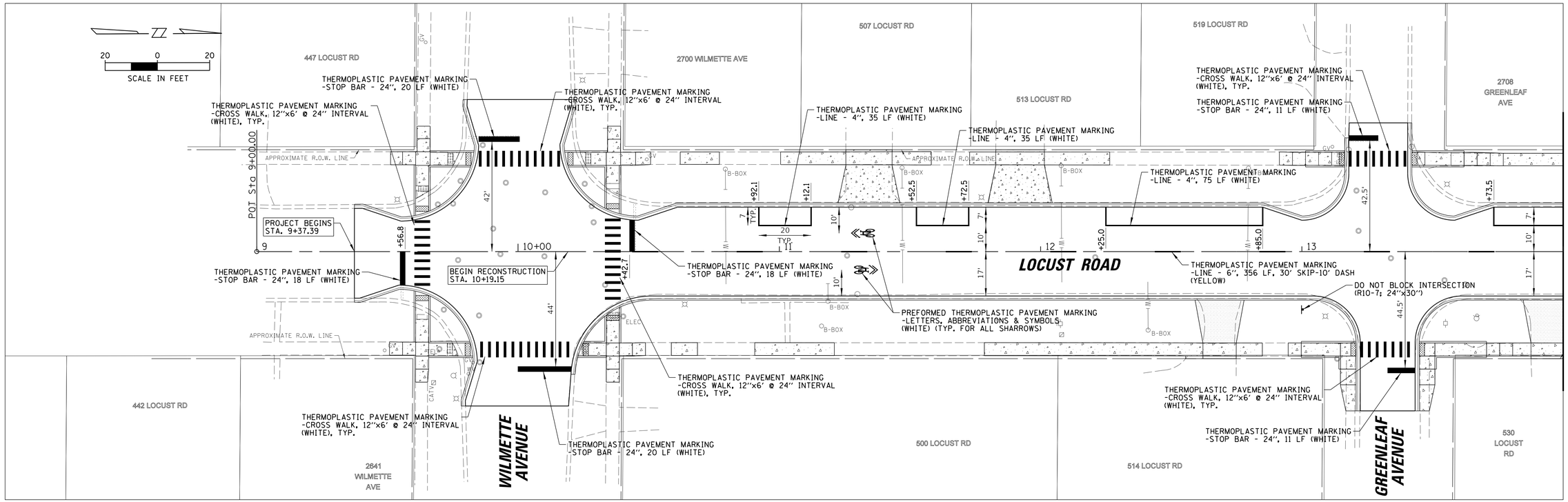
FILE NAME = N:\wilmette\170224\Civil\056_ADA_LOCUST_06.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -
		DRAWN - PJN	REVISED -
	PLOT SCALE = 10'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

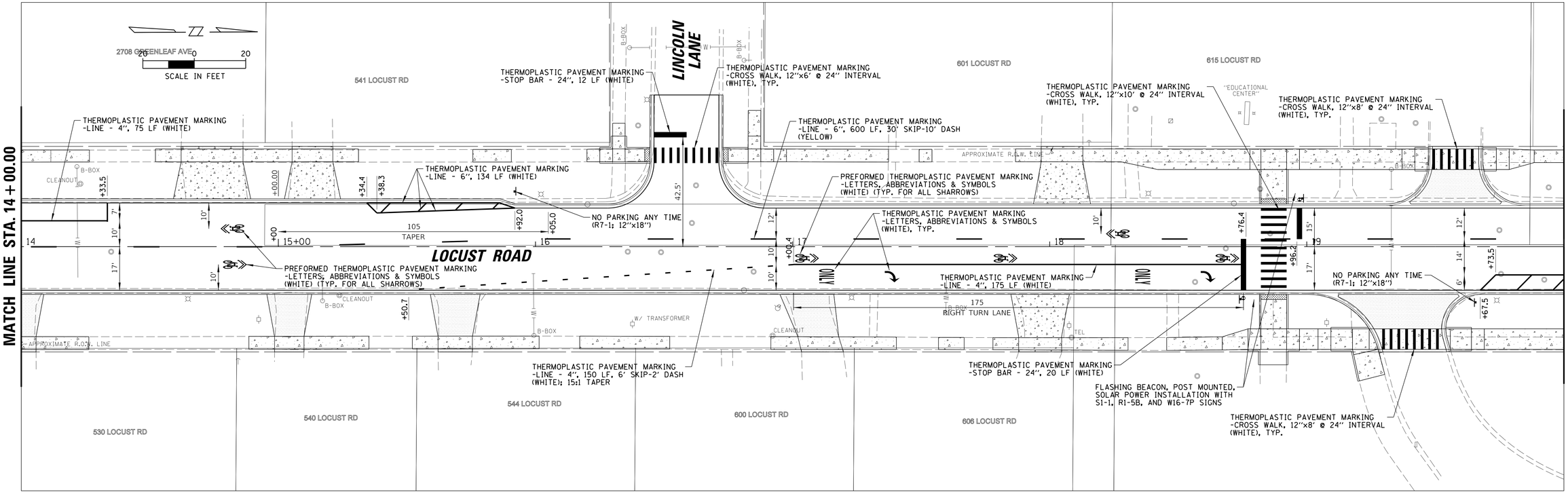
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD ADA RAMPS
GRADING PLAN

SCALE: 1" = 10' | SHEET 49 OF 109 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	49
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			





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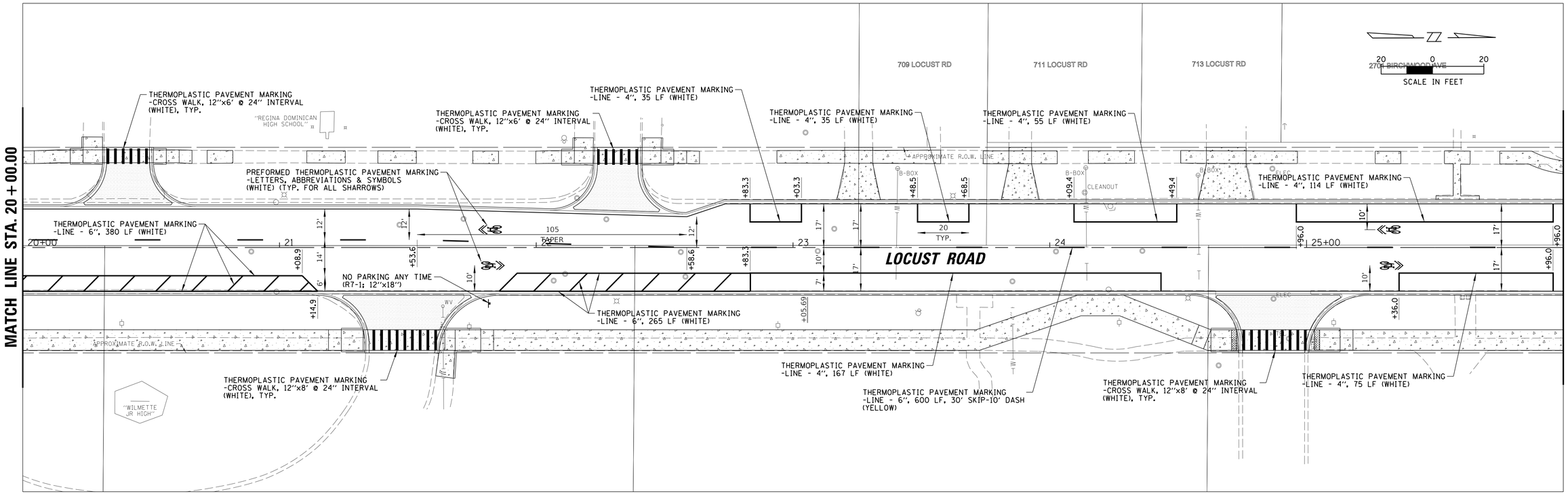
		DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

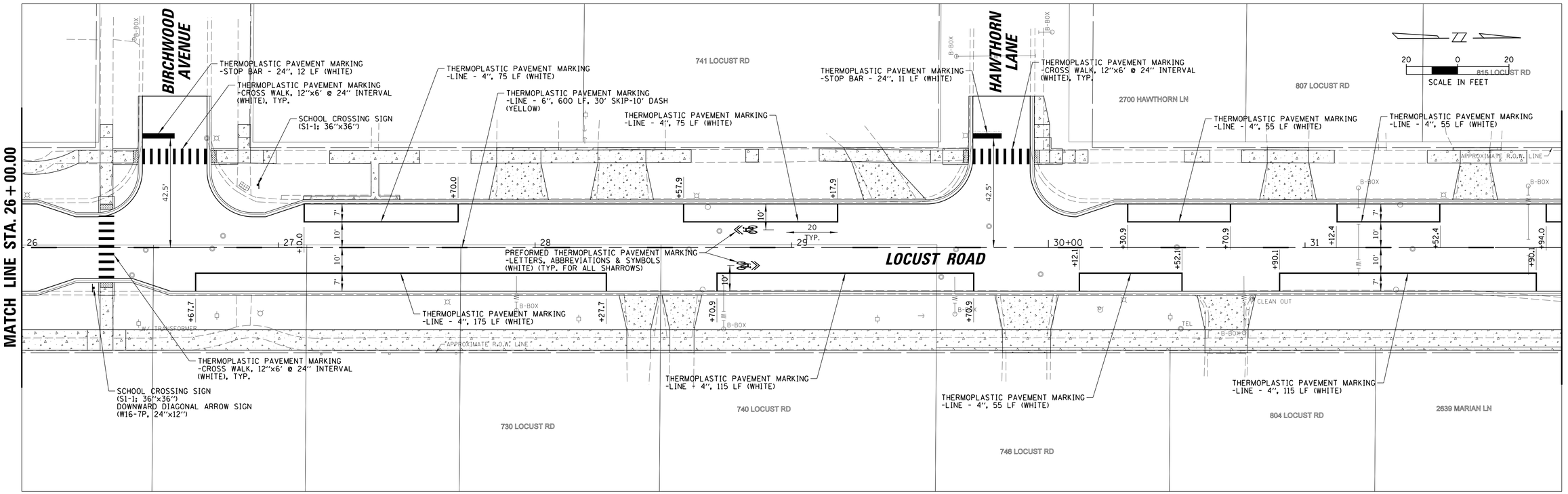
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED STRIPING AND SIGNING PLAN

SCALE: 20' | SHEET 50 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	50
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			





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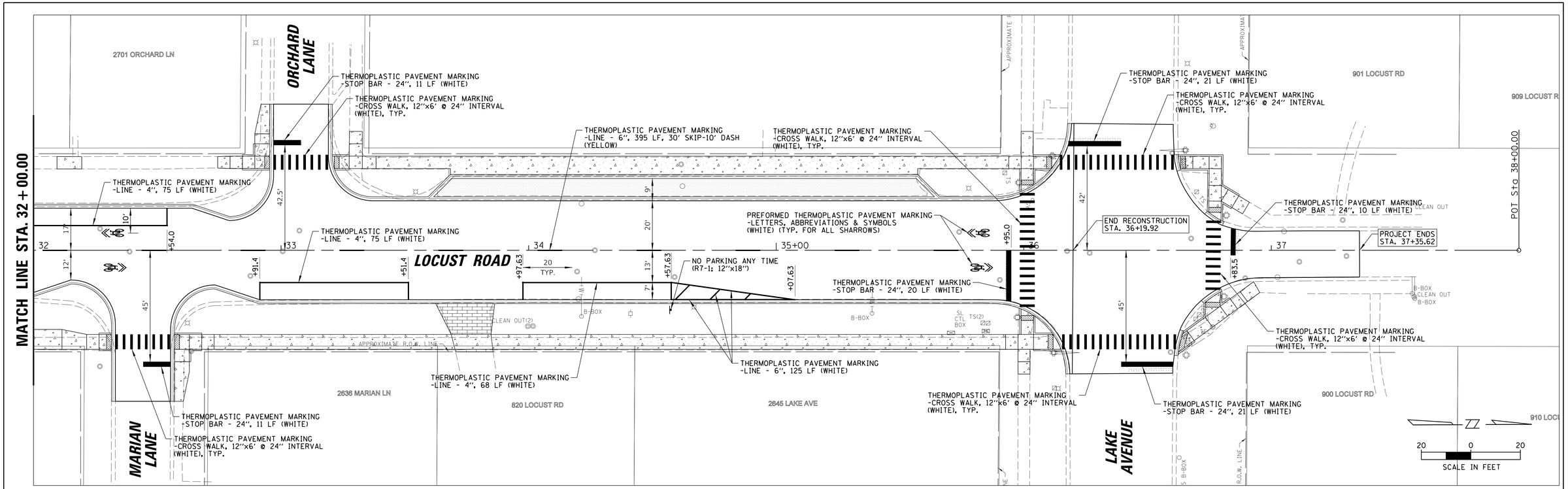
		DRAWN - PJN	REVISED -
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED STRIPING AND SIGNING PLAN

SCALE: 20' | SHEET 51 OF 109 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	51
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



FILE NAME = N:\wilmette\170224\Civil\025_STP_LOCUST_23.SHT	USER NAME = jhouseh	DESIGNED - LMF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**LOCUST ROAD PROPOSED STRIPING AND SIGNING PLAN**	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20'	DRAWN - PJN	REVISED -			1076	12-00195-00-PV	COOK	109	52
Default	PLOT DATE = 9/19/2018	CHECKED - MEK	REVISED -						CONTRACT NO. 61F16	
		DATE -	REVISED -		SCALE: 20' SHEET 52 OF 109 SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

LIGHTING GENERAL NOTES

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123.

2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES, THE CONTRACTOR SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.

3. ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEE.

4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.

5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:

   A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.

   B. "THE NATIONAL ELECTRICAL CODE".

   C. MUNICIPAL CODES & STANDARDS.

6. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.

7. CAST A GROUND ROD INSIDE EVERY POLE AND CONNECT TO THE POLE GROUNDING LUG VIA A #6 SOLID COPPER WIRE WITH A MECHANICAL CONNECTION AT THE GROUND ROD AND PIGTAIL SPLICE INSIDE THE POLE HANDHOLE.

8. THE INSTALLATION OF BURIED WARNING TAPE, SPECIFIED AS PART OF TRENCH FOR UNDERGROUND CONDUITS, SHALL BE REVIEWED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.

9. THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTEGRAL MECHANICAL FASTENER WITH MINIMUM ¾" X 1" WRITEABLE AREA.

10. ALL UNDERGROUND WIRING SHALL BE MINIMUM #8 COPPER (OR SIZE AS SHOWN ON THE PLANS) XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.

11. LUMINAIRES SHALL BE LEVEL & HAVE A TIGHT FIT ON MAST ARMS TO THE ENGINEER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCLUDED IN THE COST OF THE LIGHT UNIT PAY ITEM.

12. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.

13. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE POLE BASE ELEVATION WITH THE FINISHED GRADE.

15. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.

16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED LOCATIONS.

17. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.

18. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLER. THE ELECTRIC SERVICE COORDINATION PERFORMED BY THE ENGINEER DURING DESIGN IS INCLUDED IN THE PLANS FOR THE CONTRACTORS INFORMATION.

20. THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER CURRENT AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS.

21. ALL STEEL SHALL BE FROM DOMESTIC SOURCE.

22. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY THE CONTRACT DRAWINGS AND/OR APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. THE WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.

ABBREVIATIONS

A	AMPS
AIC	AMPS INTERRUPTING CURRENT
CKT	CIRCUIT
DIA	DIAMETER
DPDT	DOUBLE POLE DOUBLE THROW SWITCH
FT	FOOT
FOC	FACE OF CURB
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
ROW	RIGHT OF WAY
SPST	SINGLE POLE SINGLE THROW SWITCH
STA	STATION
V	VOLTS
W	WATTS

PROPOSED LIGHTING LEGEND

REFURBISHED 175W METAL HALIDE TYPE ORNAMENTAL LUMINAIRE MOUNTED ON A 12'-0" SMOOTH POST FROM CITY STOCK

UD — WIRE IN 1¼" SCH 40 HDPE CONDUIT AS SHOWN ON PLANS (SEE CONDUCTOR SCHEDULE)

E — WIRE IN RGS CONDUIT AS SHOWN ON PLANS

UD — UNIT DUCT IN 2½" RGS SLEEVE

PROPOSED 11" X 17" X 12" DEEP COMPOSITE CONCRETE HANDHOLE

PROPOSED LIGHTING CONTROLLER CABINET

P14 — POLE NUMBER

LP1-CKT C — CIRCUIT IDENTIFIER

3' BOC — SETBACK FROM BACK OF CURB (BOC) TO CENTER OF LIGHT POLE

EXISTING SANITARY SEWER

EXISTING STORM SEWER

W — EXISTING WATERMAIN

OH — EXISTING OVERHEAD WIRES

G — EXISTING GAS LINE

E — EXISTING ELECTRIC LINE

CAUTION
NOTE TO CONTRACTOR:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED TO THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

THE VILLAGE OF WILMETTE WILL OWN AND MAINTAIN THE PROPOSED LIGHTING SYSTEM.

LIGHTING BILL OF MATERIALS

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	50
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	610
81028730	UNDERGROUND COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	5100
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	2
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	22000
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	250
84500110	REMOVE EXISTING LIGHTING CONTROLLER	EACH	1
89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1
89502300	REMOVE EXISTING CABLE FROM CONDUIT	FOOT	500
89502380	REMOVE EXISTING HANDHOLE	EACH	2
*X1400202	LUMINAIRE (SPECIAL)	EACH	22
*X7340102	CONCRETE FOUNDATION, STREET LIGHTING CONTROLLER	EACH	1
*X8040305	ELECTRICAL CONNECTIONS TO RELOCATED LIGHTING UNITS	EACH	22
*X84400116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	22
*X8570015	CONTROLLER (SPECIAL)	EACH	1
*XX008070	MAST ARM INSTALLATION TYPE 1	EACH	22
*Z0033026	MAINTENANCE OF EXISTING LIGHTING SYSTEM	L SUM	1

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		DRAWN RJJ	REVISED -
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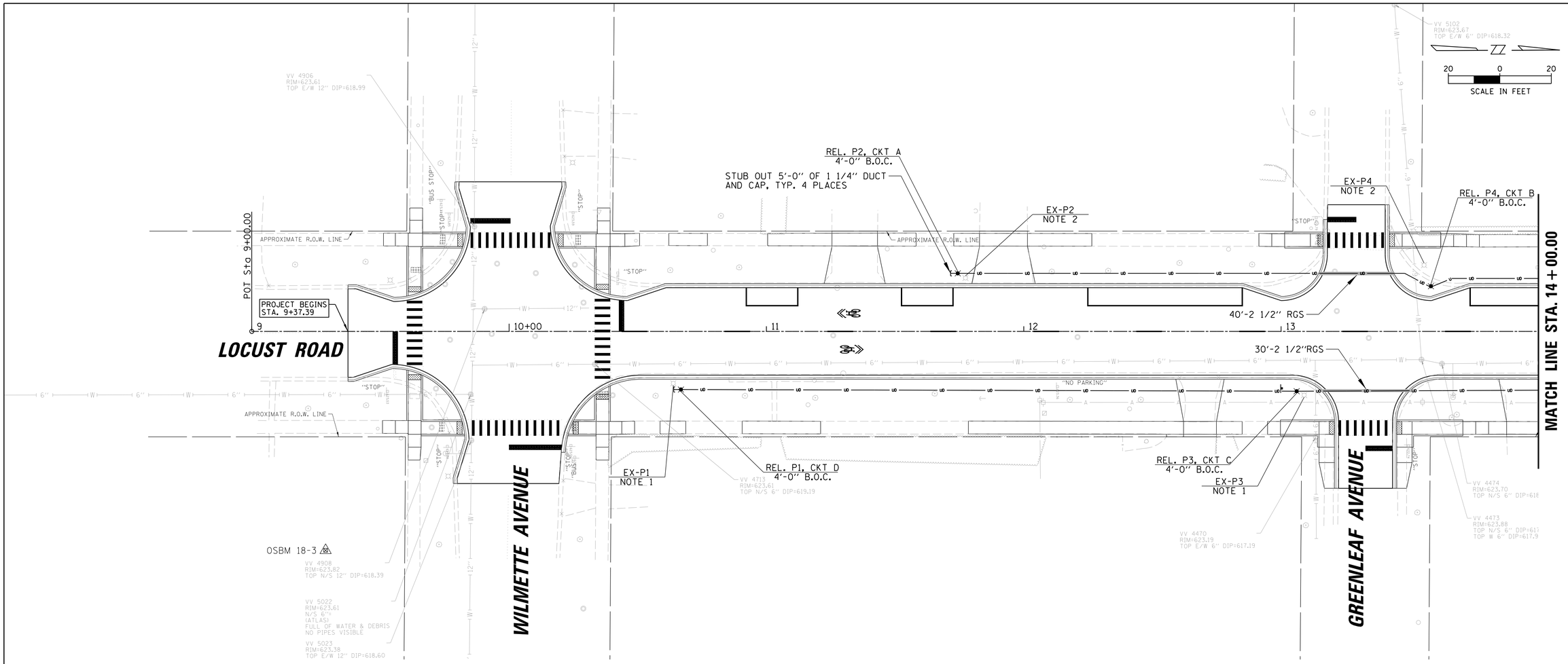
Default	PLOT DATE = 9/19/2018	DATE 5/29/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
LIGHTING GENERAL NOTES AND QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	53
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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	PLOT SCALE = 20'	CHECKED GAH	REVISED -
Default	PLOT DATE = 9/19/2018	DATE 5/29/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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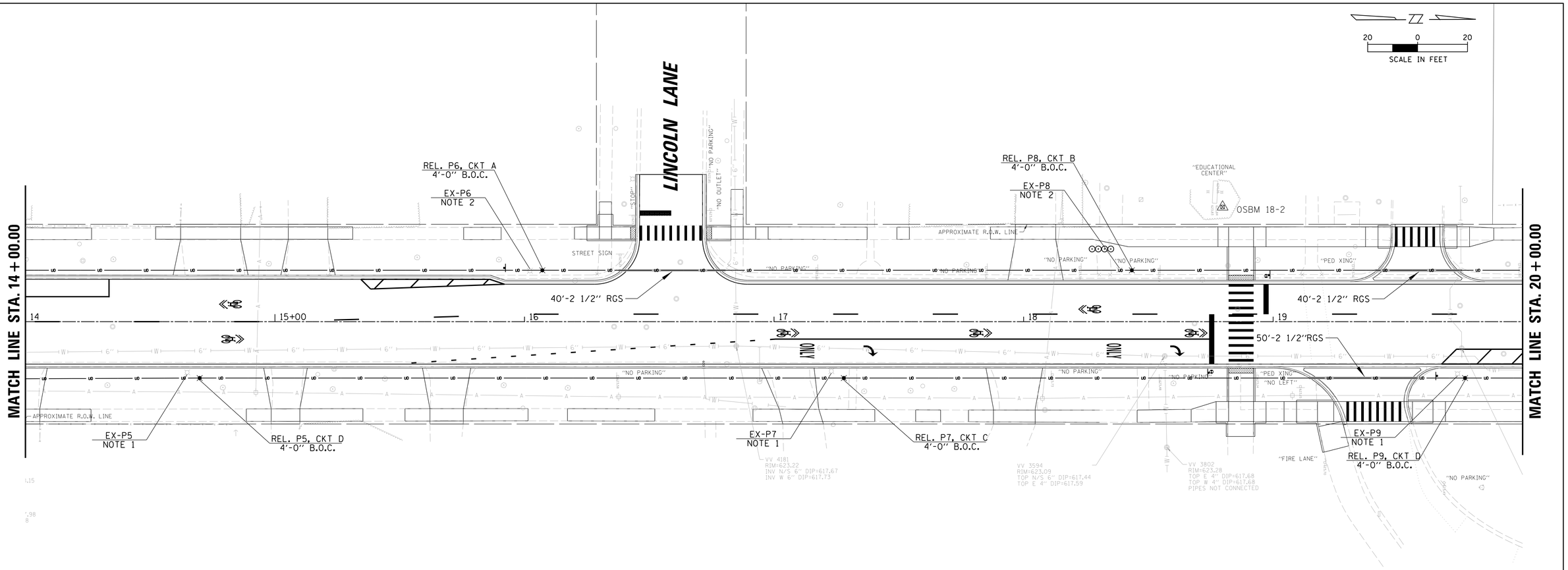
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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	PLOT SCALE = 20'	CHECKED GAH	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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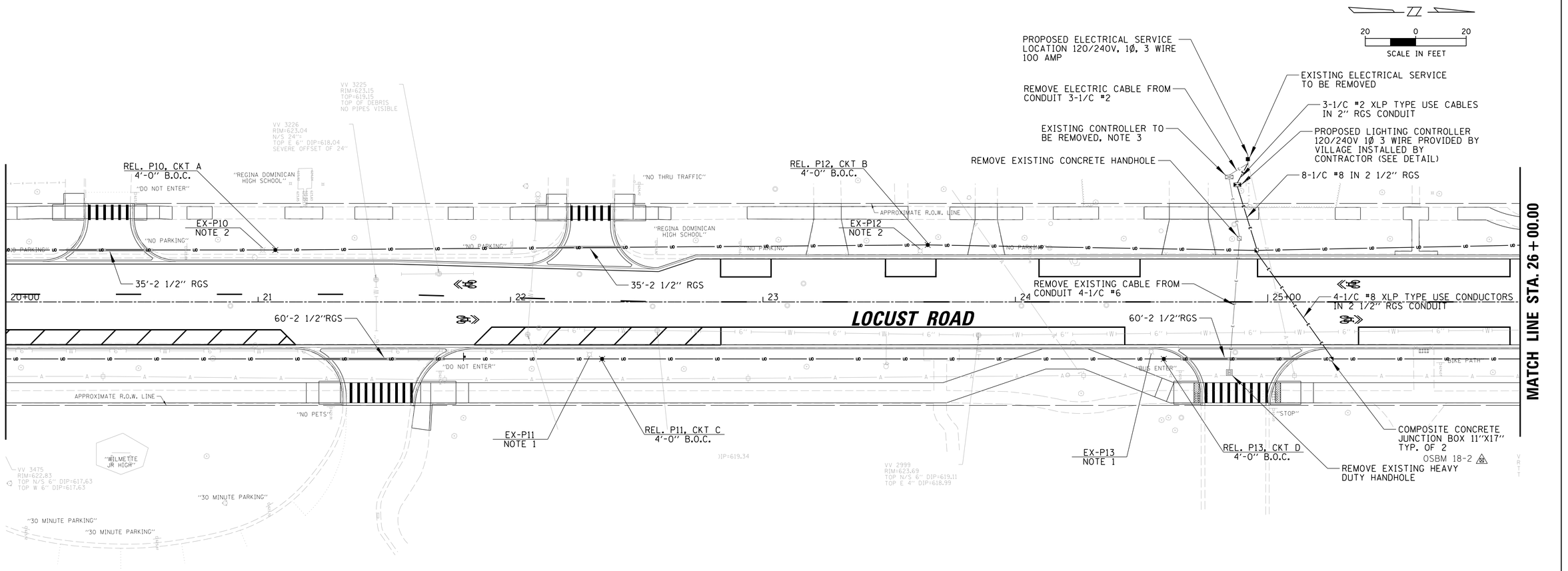

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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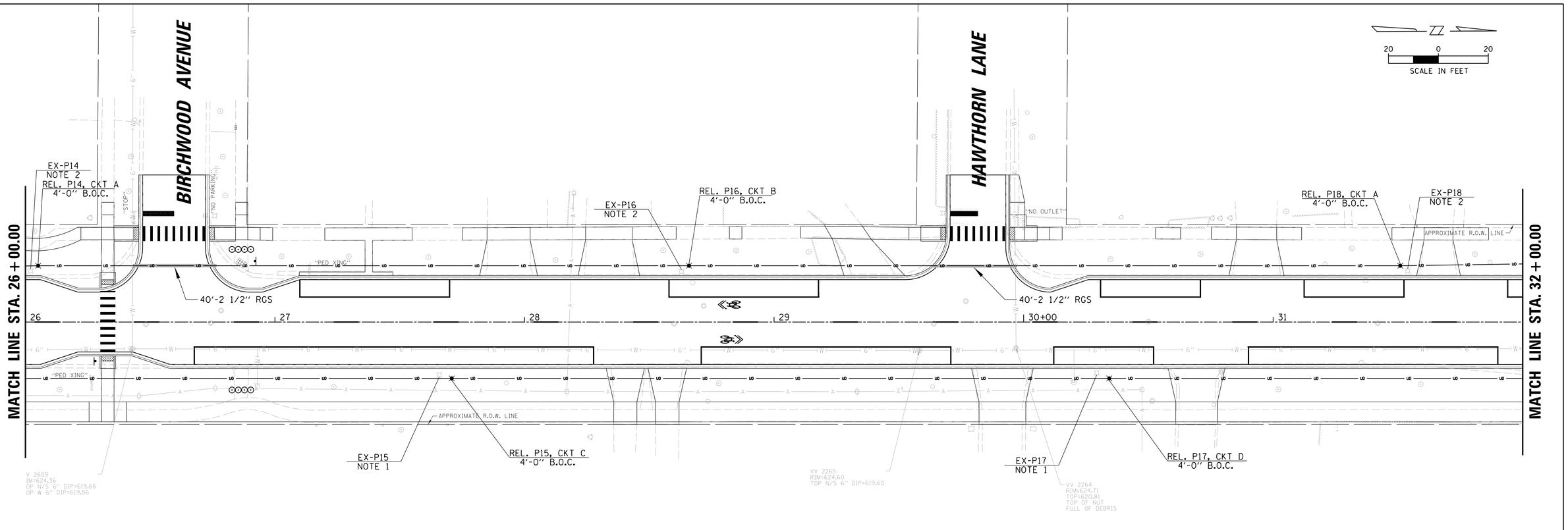
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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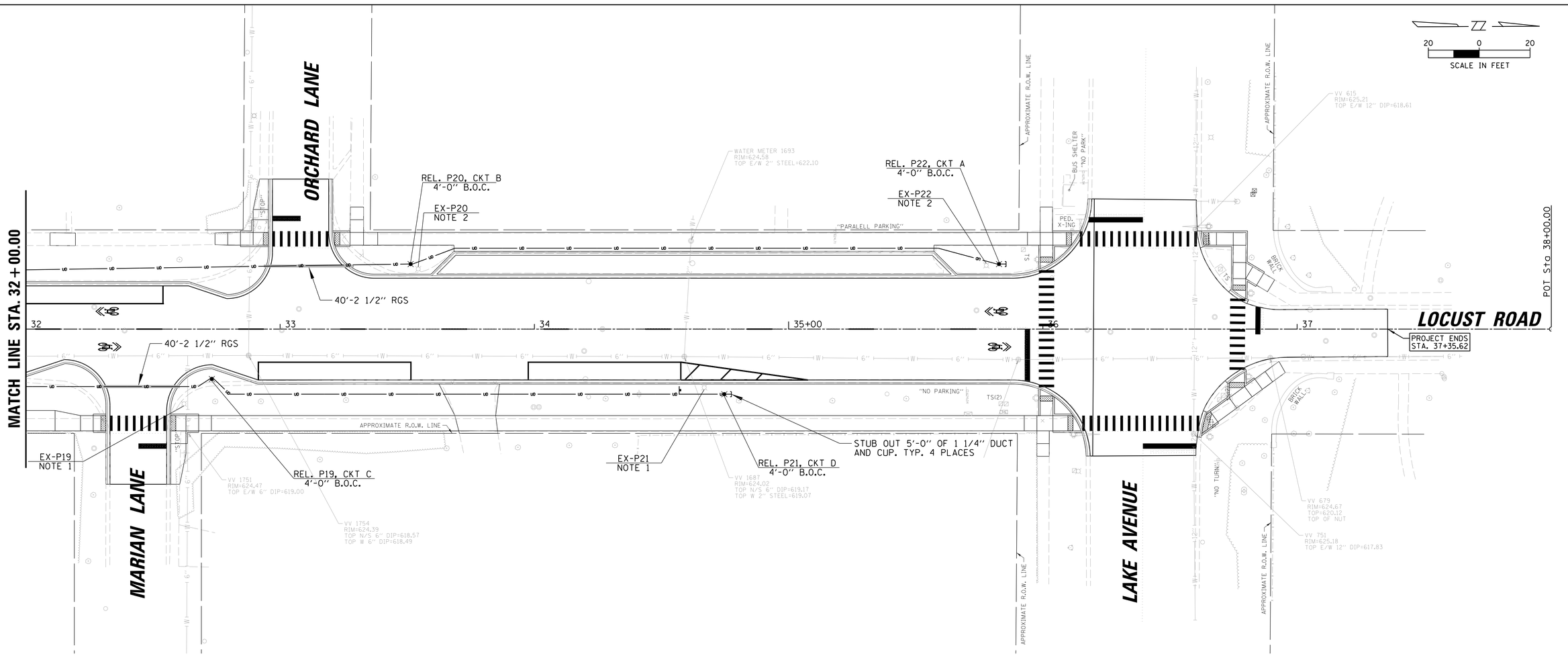
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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STATE OF ILLINOIS
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LOCUST ROAD
PROPOSED LIGHTING PLAN

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

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1076	12-00195-00-PV	COOK	109	58
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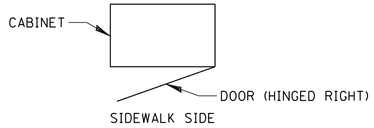
EXISTING LIGHTING CONTROLLER TO BE REMOVED

STA. 24 + 84.75, 49.49' LT



EXISTING ELECTRIC SERVICE LOCATION

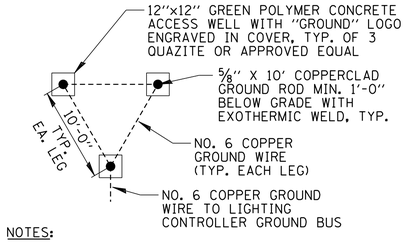
STA. 24 + 92.13, 56.52' LT



LIGHTING CONTROLLER

CABINET METER FITTING AND DOOR ORIENTATION

N.T.S.

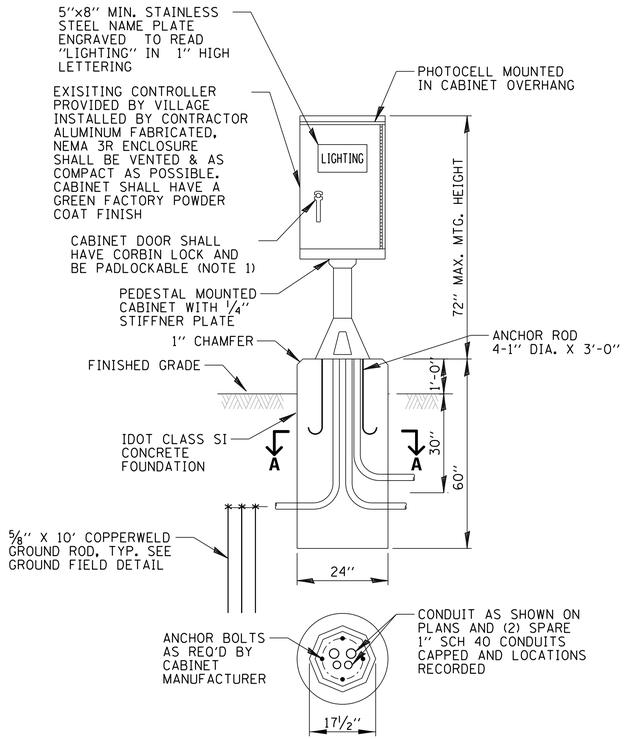


NOTES:

1. ACCESS WELLS & GROUND RODS/WIRING SHALL BE INCLUDED IN THE LIGHTING CONTROLLER PAY ITEM.

GROUND FIELD DETAIL (TYP.)

N.T.S.



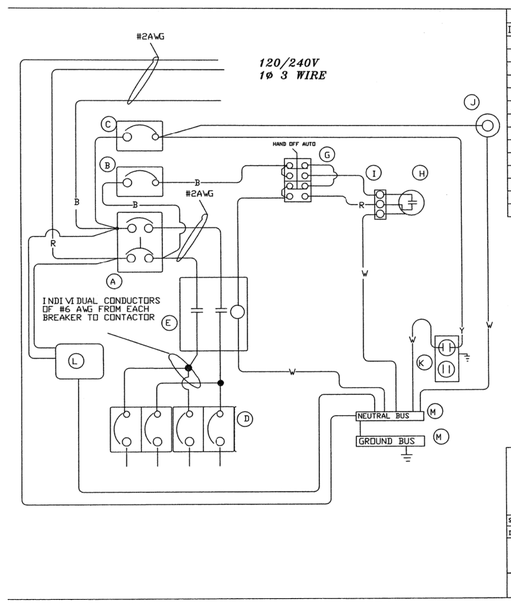
SECTION A–A

NOTES:

1. SEE CABINET METER FITTING & DOOR ORIENTATION DETAIL THIS SHEET. UTILITY METER MOUNTING SHALL MEET REQUIREMENTS OF LOCAL ELECTRIC UTILITY.
2. WHERE NO SIDEWALK EXISTS, A 24" X 30" X 5" CONCRETE WORK PAD SHALL BE PROVIDED IN FRONT OF THE CABINET.
3. ALL ITEMS SHOWN ABOVE NOT INCLUDING FOUNDATION SHALL BE INCLUDED IN THE LIGHTING CONTROLLER PAY ITEM EXCEPT FOR THE SERVICE CONDUIT/CABLES.

EXISTING LIGHTING CONTROLLER CABINET AND PROPOSED FOUNDATION

N.T.S.



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	1	SQD FAL24100 2P 100A
B	1	SQ D FAL12015 1P 15A
C	1	SQ D FAL12020 1P 20A
D	4	SQD FAL12050 1P 50A
E	1	SQUARE D 8903SQD1V02 2P 100A 120V COIL
F		RESERVED
G	1	SQ D 9001KYK111 HOA SWITCH
H	1	FA105M PHOTOCELL
I	1	CINCH 3PT TB
J	1	LEVITON 29816-C LIGHT FIXTURE
K	1	HUBBELL GF20IL 20A GFCI RECP
L	1	SQ D SDSA1175 SURGE ARRESTER
M	2	GROUND AND NEUTRAL BUS

POWER WIRING RHH/RHW
CONTROL WIRING #12 MTW
NEUTRAL BUS COLOR CODED WHITE
GROUND BUS COLOR CODED GREEN

BL = BLUE
W = WHITE
B = BLACK
R = RED
Y = YELLOW

EXCEL LTD. INC.
888 EAST BELVIDERE ROAD
UNIT 105
GRAYSLAKE, IL. 60030
PHONE : 847-543-9138
FAX : 847-543-9230

SCALE: NTS	APPROVED BY:	DRAWN BY: JLM
DATE: 12/02/10		REVISED:

LIGHTING CONTROLLER

VILLAGE OF WILMETTE — DRAWING NUMBER: B14501

VILLAGE OF WILMETTE FURNISHED LIGHTING CONTROLLER

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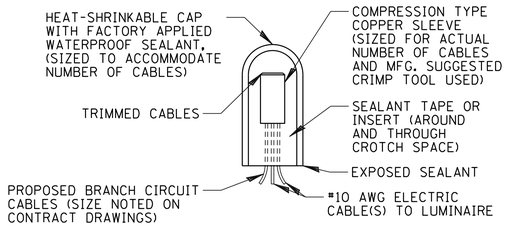
		DRAWN RJJ	REVISED -
	PLOT SCALE = 1'	CHECKED GAH	REVISED -
Default	PLOT DATE = 9/19/2018	DATE 5/29/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
LIGHTING DETAILS (1 OF 3)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	59
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

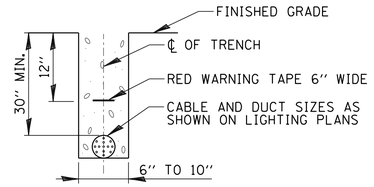


NOTES:

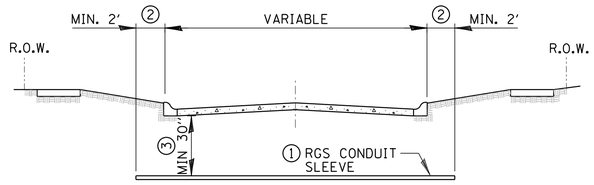
1. SPLICING FOR POLES P11-P16 SHALL BE MADE AT TOP OF POLE DUE TO LIGHTPOLES BEING LOCATED IN FLOODPLAIN.

SPLICING ELECTRIC CABLE

N.T.S.



TRENCH CROSS SECTION



ROADWAY / PAVEMENT CROSSING

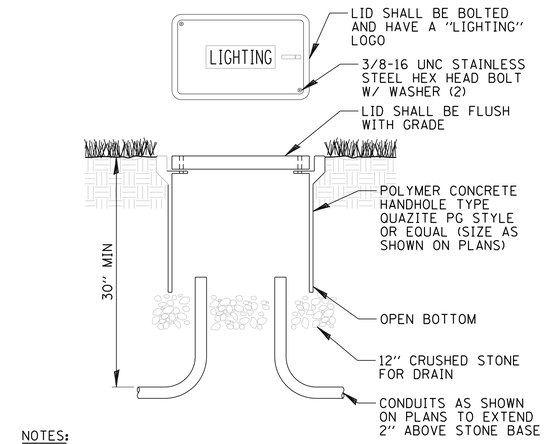
① SLEEVE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.

② SLEEVE SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.

③ SLEEVE SHALL BE A MINIMUM OF 30'' BELOW ROADWAY OR CURB BOTTOM.

ELECTRIC CONDUIT INSTALLATION

N.T.S.



NOTES:

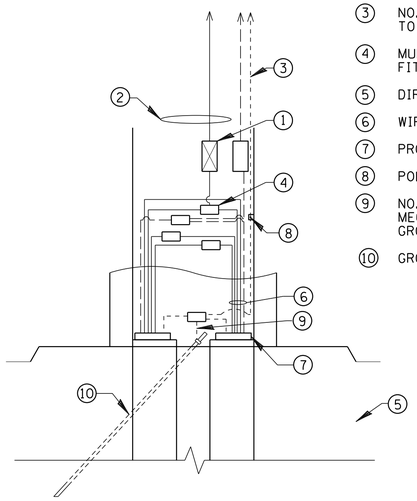
1. NO SPLICES SHALL BE ALLOWED IN HANDHOLES.
2. POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREY.
3. BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS, AND BE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/SCTE 77 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND THE PROVISIONS OF PARAGRAPHS 5.2.3 AND 5.2.4 OF WESTERN UNDERGROUND COMMITTEE GUIDE 3.6.

COMPOSITE CONCRETE HANDHOLE

N.T.S.

PHASE CONDUCTOR
NEUTRAL CONDUCTOR
GROUND CONDUCTOR

TO 120V LUMINAIRE



① 5A TIME-DELAY TYPE FUSE FOR LUMINAIRE INSIDE A 2-POLE BREAKAWAY FUSE HOLDER & INSULATING BOOTS (NOTE 1)

② NO. 10 POLE WIRES TO LUMINAIRE

③ NO. 10 GROUND WIRE CONNECTED TO GROUND LUG IN LUMINAIRE

④ MULTIPLE COMPRESSION FITTINGS (SPLICE), TYP.

⑤ DIRECT EMBEDMENT POLE BASE

⑥ WIRES AS SHOWN ON PLANS

⑦ PROPOSED LIGHTING DUCT

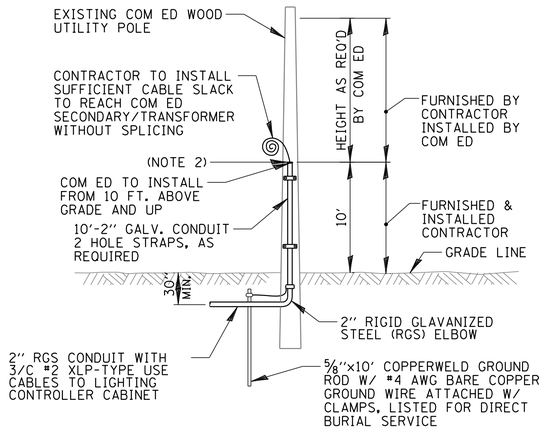
⑧ POLE GROUND LUG 3/8-16

⑨ NO. 6 SOLID GROUND WIRE MECHANICALLY CLAMPED TO GROUND ROD

⑩ GROUND ROD

POLE HANDHOLE WIRING DIAGRAM

N.T.S.



NOTES:

1. ALL WORK SHALL CONFORM TO COM ED'S BOOK OF "INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRIC SERVICE."
2. CONTRACTOR SHALL PROVIDE CONDUIT BUSHING AND SEALING COMPOUND AT TOP OF RISER.
3. ALL MATERIAL ABOVE (EXCEPT FOR POLE) SHALL BE INCLUDED IN THE PRICE BID FOR "ELECTRIC SERVICE INSTALLATION". THE HORIZONTAL SERVICE CONDUIT AND WIRING FROM POLE TO CONTROLLER SHALL BE PAID FOR SEPERATELY.

COM ED OVERHEAD CONNECTION POLE

N.T.S.

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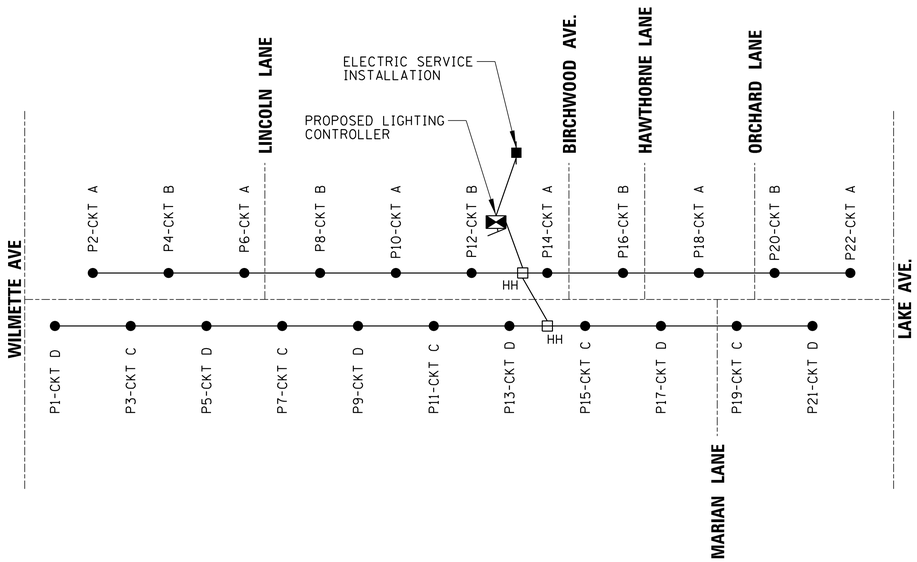
		DRAWN RJJ	REVISED -
	PLOT SCALE = 20'	CHECKED GAH	REVISED -
Default	PLOT DATE = 9/19/2018	DATE 5/29/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
LIGHTING DETAILS (2 OF 3)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	60
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



ONE–LINE DIAGRAM LEGEND

●	REFURBISHED 175W METAL HALIDE TYPE ORNAMENTAL LUMINAIRE MOUNTED ON A 12'-0'' SMOOTH POST FROM CITY STOCK
———	PROPOSED ELECTRIC CABLE IN CONDUIT (AS SHOWN ON LIGHTING PLANS)
	PROPOSED LIGHTING CONTROLLER CABINET
	ELECTRIC SERVICE LOCATION
□	COMPOSITE CONCRETE HANDHOLE
P1-CKT A	POLE NUMBER - LIGHTING CIRCUIT IDENTIFIER
- - - - - - -	CENTERLINE OF ROADWAY

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Default	PLOT DATE = 9/19/2018	DATE 5/29/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
LIGHTING DETAILS (3 OF 3)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	61
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. TRENCH BACKFILL UNDER A PAVED SURFACE OR WITHIN THE ZONE OF INFLUENCE (3' FROM EDGE OF PAVEMENT) SHALL CONSIST OF:
   a) UNDER NEW PAVEMENT:
      12" THICK PAVEMENT SUBGRADE OVER AGGREGATE CA-6 TRENCH BACKFILL
   b) UNDER EXISTING PAVEMENT:
      SAME AS 'a' ABOVE
   c) UNDER PRIVATELY OWNED PAVEMENT:
      SAME AS 'a' ABOVE.
2. ALL MATERIALS SHALL BE PROPERLY COMPACTED PER SPECIFICATIONS (INUNDATION OR WATER JETTING NOT ALLOWED).
3. ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.
4. BEDDING MATERIAL FOR PVC PIPE INSTALLATION SHALL COMPLY WITH ASTM D-2321.
5. IF APPROVED BY VILLAGE ENGINEERING, A ONE (1) INCH THICK STEEL PLATE SHALL BE PROVIDED AND MAINTAINED BY CONTRACTOR UNTIL THE SURFACE RESTORATION IS COMPLETE. THE PLATE SHALL BE PROTECTED FROM SLIDING AND PROVIDED WITH BITUMINOUS RAMPS IF REQUIRED BY VILLAGE ENGINEERING.
6. PRIOR TO PLACEMENT OF PAVEMENT MATERIALS, THE EXISTING EXPOSED EDGES SHALL BE SAWCUT TO PROVIDE A SMOOTH CLEAN EDGE, FREE OF LOOSE MATERIAL.
7. THE PLACEMENT OF PAVEMENTS SHALL NOT BE ALLOWED WITHOUT PRIOR INSPECTION BY VILLAGE ENGINEERING.

PROPOSED WATER MAIN PIPE:

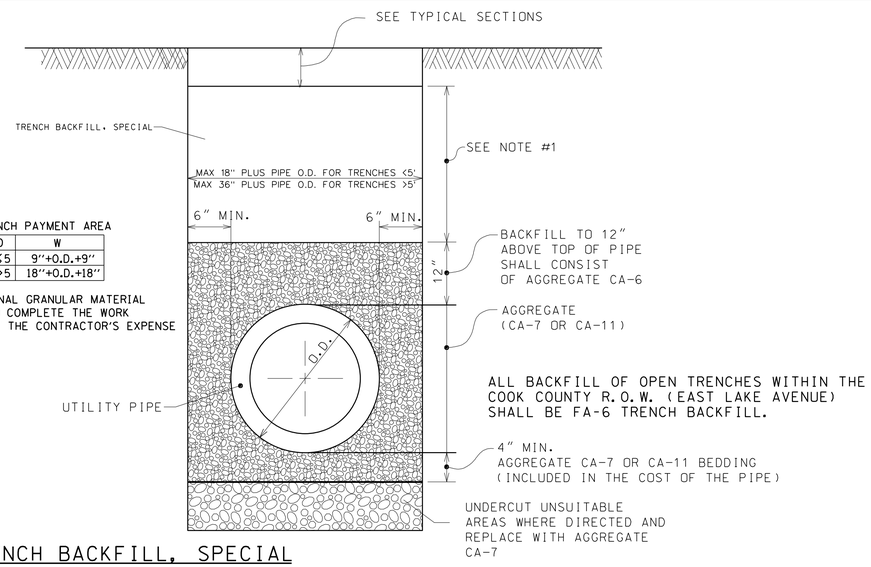
TRENCH BACKILL MATERIAL SHALL BE CA-7 OR CA-11 FROM BOTTOM OF BEDDING MATERIAL TO ONE-FOOT ABOVE PROPOSED WATER MAIN PIPE. THIS SHALL BE INCLUDED IN THE COST OF THE PROPOSED DUCTILE IRON WATER MAIN PIPE.

TRENCH BACKFILL MATERIAL FROM ONE-FOOT ABOVE PROPOSED WATER MAIN PIPE TO FINISHED GRADE SHALL BE CA-6 AND SHALL BE PAID FOR AS TRENCH BACKFILL, SPECIAL.

PROPOSED STORM SEWER PIPE:

TRENCH BACKILL MATERIAL SHALL BE CA-7 OR CA-11 FROM BOTTOM OF BEDDING MATERIAL TO SPRINGLINE. THIS SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER PIPE.

TRENCH BACKFILL MATERIAL FROM THE SPRINGLINE TO TO FINISHED GRADE SHALL BE CA-6 AND SHALL BE PAID FOR AS TRENCH BACKFILL, SPECIAL.



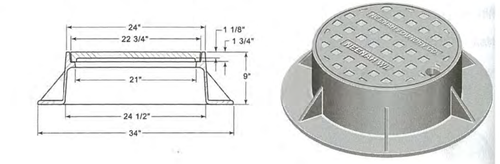
TRENCH PAYMENT AREA

D	W
<5	9"+O.D.+9"
>5	18"+O.D.+18"

* ANY ADDITIONAL GRANULAR MATERIAL REQUIRED TO COMPLETE THE WORK SHALL BE AT THE CONTRACTOR'S EXPENSE

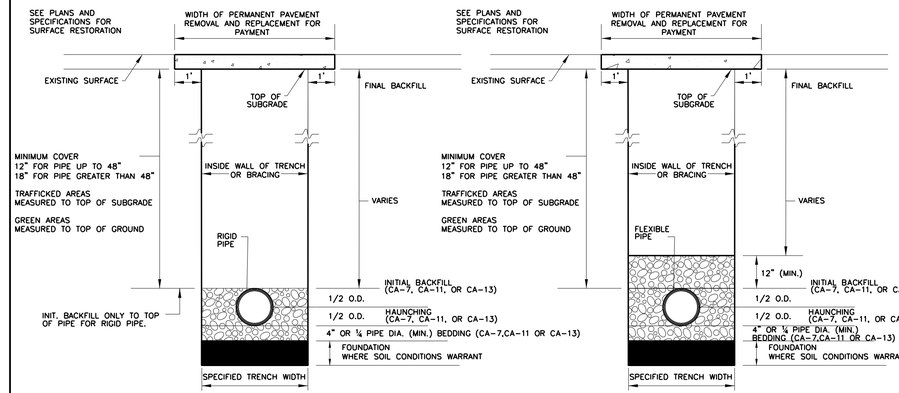
TRENCH BACKFILL, SPECIAL

NOT TO SCALE



NEENAH R-1713 FRAME AND LID

NOT TO SCALE



RIGID PIPE INSTALLATION DETAIL

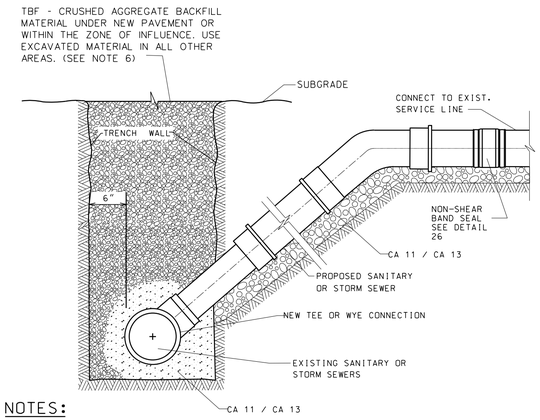
FLEXIBLE PIPE INSTALLATION DETAIL

NOTES:
1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.
2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

NOT TO SCALE

	TECHNICAL GUIDANCE MANUAL	7/1/15
	RIGID AND FLEXIBLE PIPE INSTALLATION DETAIL	STD. DWG. NO. 34
		PAGE NO. 35

TBF - CRUSHED AGGREGATE BACKFILL MATERIAL UNDER NEW PAVEMENT OR WITHIN THE ZONE OF INFLUENCE. USE EXCAVATED MATERIAL IN ALL OTHER AREAS. (SEE NOTE 6)

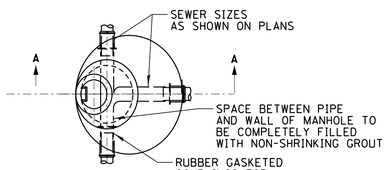


NOTES:

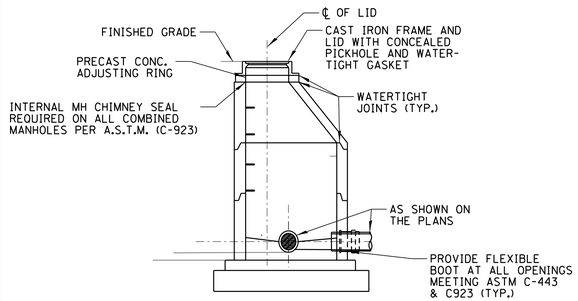
1. FOR PROPOSED STORM SEWER SERVICE, REMOVE A SECTION OF PIPE AND INSTALL A TEE OR WYE CONNECTION.
2. FOR TRENCHES WITHIN AN EXISTING PAVED SURFACE AREA, USE CA 11 AGGREGATE.
3. ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.

SANITARY AND STORM SERVICE CONNECTION

NOT TO SCALE

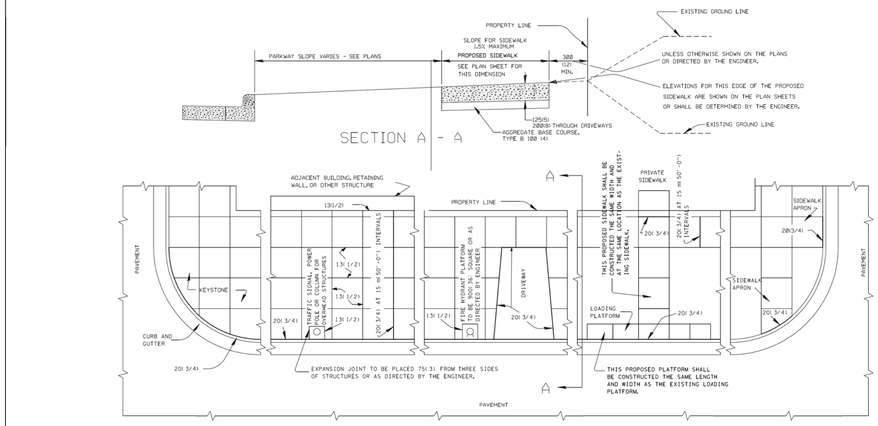


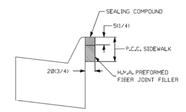
PLAN



STRUCTURES TO BE ADJUSTED/REHABILITATED

NOT TO SCALE





EXPANSION JOINT DETAIL

NOTES:
ALL DIMENSIONS ARE MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

All Expansion Joints shall conform to the requirements of Section 424.07 of the Standard Specifications for Road and Bridge Construction and shall be included in the contract unit price per Square Meter (Foot) for P.C. Concrete Sidewalk of the thickness specified.

STANDARD C-9

MUNICIPALITY, IL / MUNICIPALITY, IL / NAME TOWNSHIP	COUNTY HIGHWAY: XXX / FISCAL YEAR: XXXX / SECTION: XX-XXXXX-XX-XX	COUNTY OF COOK, DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: NA, DRAWN: ALB, CHECKED: ILP	REVISIONS: REVISED BORDER; REV. TO ADD 5' BORDER, 5/4 THROUGH DRIVEWAY	DATE: 03-07-14; 02-12-18	PROJECT NAME: COOK COUNTY PCC SIDEWALK CONSTRUCTION (EXPANSION JOINTS) DETAIL	C-1; SCALE: NONE, SHEET: 1

PLOT DATE: 7/19/2018

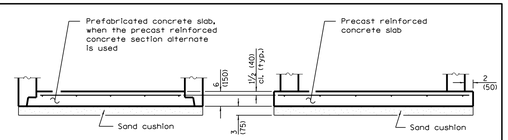
FILE NAME =	USER NAME = jhouseh	DESIGNED -	REVISED -
N:\wilmette\170224\Civil\058_DET_LOCUST_01.SHT		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

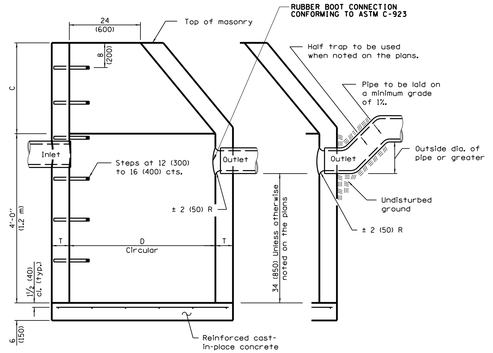
LOCUST ROAD
CONSTRUCTION DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	62
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



ALTERNATE BOTTOM SLAB



ELEVATION (Standard Outlet)

ELEVATION (Half Trap)

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
~~Concrete Masonry Unit~~	~~4'-0" (1.2 m) 5'-0" (1.5 m)~~	~~30 (750) 3'-9" (1.15 m)~~	~~5 (125)~~ ~~5 (125)~~
~~Brick Masonry~~	~~4'-0" (1.2 m) 5'-0" (1.5 m)~~	~~30 (750) 3'-9" (1.15 m)~~	~~8 (200)~~ ~~8 (200)~~
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

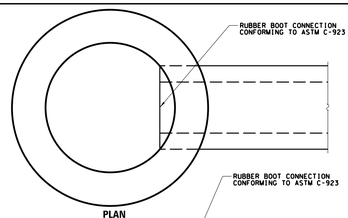
Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

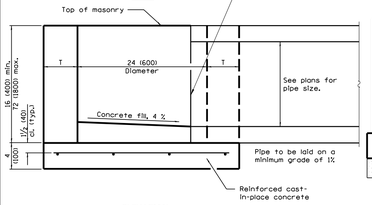
See Standard 602701 for details of steps.

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

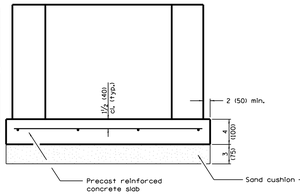
CATCH BASIN TYPE A

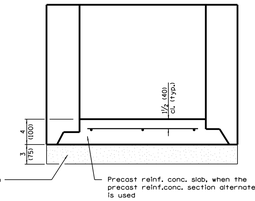


PLAN



ELEVATION





ALTERNATE METHODS

ALTERNATE MATERIALS FOR WALLS	T
~~BRICK MASONRY~~	~~8 (200)~~
CAST-IN-PLACE CONCRETE	6 (150)
~~CONCRETE MASONRY UNIT~~	~~5 (125)~~
PRECAST REINFORCED CONCRETE SECTION	3 (75)

NOTE:
ALL CONNECTIONS BETWEEN SANITARY SEWERS AND MANHOLES, BETWEEN COMBINED SEWERS AND MANHOLES, AND BETWEEN STORM SEWERS AND STORM STRUCTURES TRIBUTARY TO MWRD'S COLLECTION SHALL HAVE A RUBBER BOOT CONFORMING TO ASTM C–923. THE COST OF THIS CONNECTION SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR DRAINAGE STRUCTURE.

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricators however, only a single row of reinforcement around the perimeter may be utilized.

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

Illinois Department of Transportation

PASSED January 1, 2014
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

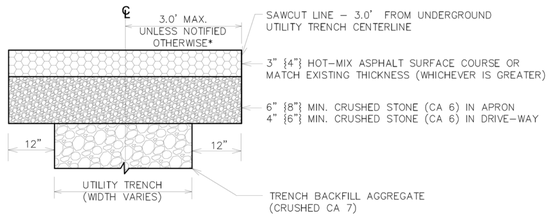
1-1-14

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Detailed rein. in slabs.
	Added max. limit to height.
	Added general notes.

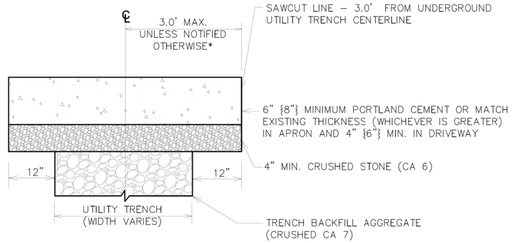
INLET – TYPE A

STANDARD 602301-04

A. ASPHALT DRIVEWAY – RESIDENTIAL {COMMERCIAL}



B. CONCRETE DRIVEWAY – RESIDENTIAL {COMMERCIAL}

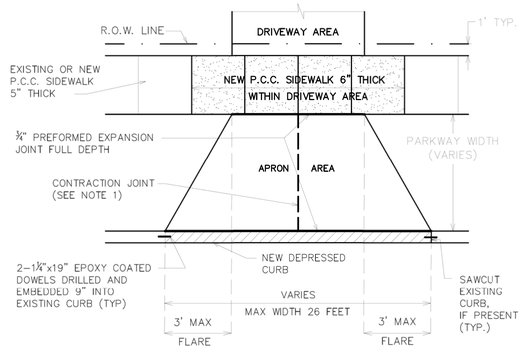


NOT TO SCALE

DRIVEWAY REPLACEMENT

Village of Wilmette
Engineering Department
847.853.7660

REVISED:2008



STREET

NOTES:

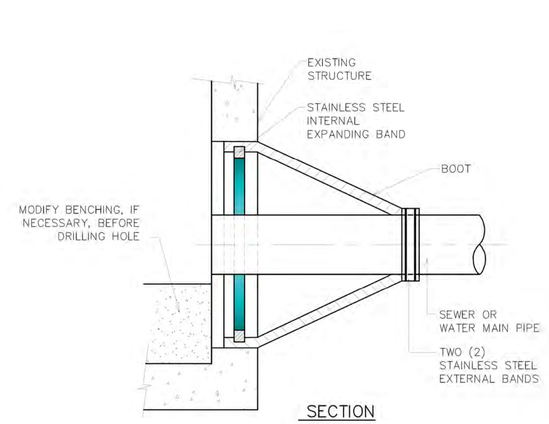
1. FOR CONCRETE APRONS WIDER THAN 16', A CONTRACTION JOINT SHALL BE LOCATED ALONG THE CENTERLINE.
2. P.C.C. CONCRETE DRIVEWAYS:
   a. APRON – 6" (SIX INCH) MINIMUM PORTLAND CEMENT CONCRETE AND 4" (FOUR INCH) MINIMUM IDOT CA 6 CRUSHED STONE
   b. DRIVEWAY – 6" (MIN) PORTLAND CEMENT CONCRETE AND 4" (MIN) IDOT CA 6 CRUSHED STONE
3. BITUMINOUS DRIVEWAYS:
   a. APRON – 3" (THREE INCH) MINIMUM BITUMINOUS CONCRETE SURFACE COURSE AND 6" (SIX INCH) MINIMUM IDOT CA 6 CRUSHED STONE
   b. DRIVEWAY – 3" (THREE INCH) MINIMUM BITUMINOUS CONCRETE SURFACE COURSE AND 4" (FOUR INCH) MINIMUM IDOT CA 6 CRUSHED STONE
4. BRICK PAVERS AND OTHER ARCHITECTURAL PAVING MATERIALS ARE NOT ALLOWED IN A DRIVEWAY APRON AREA WITHOUT A BUILDING PERMIT AND WRITTEN PERMISSION – INCLUDING A HOLD HARMLESS AGREEMENT (APPROVED BY VILLAGE ENGINEER).
5. MAINTAIN FULL SIDEWALK WIDTH THROUGH DRIVEWAYS UNLESS DIRECTED OTHERWISE BY VILLAGE ENGINEER. CURBING SHALL NOT RUN THROUGH SIDEWALK AREAS IN DRIVEWAYS.
6. CURB CUTS/SHAVING ARE NOT PERMITTED.

NOT TO SCALE

RESIDENTIAL DRIVEWAY

Village of Wilmette
Engineering Department
847.853.7660

REVISED:2008



SECTION

NOTES:

1. CORE-DRILL CIRCULAR OPENING IN STRUCTURE WALL OF DIAMETER TO FIT THE REQUIRED BOOT SIZE.
2. KOR-N SEAL FLEXIBLE RUBBER BOOT (MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC. OR AS APPROVED BY VILLAGE ENGINEERING SHALL BE USED FOR WATERTIGHT CONNECTION.
3. CUT, SHAPE AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW FROM NEW CONNECTION.
4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.

NOT TO SCALE

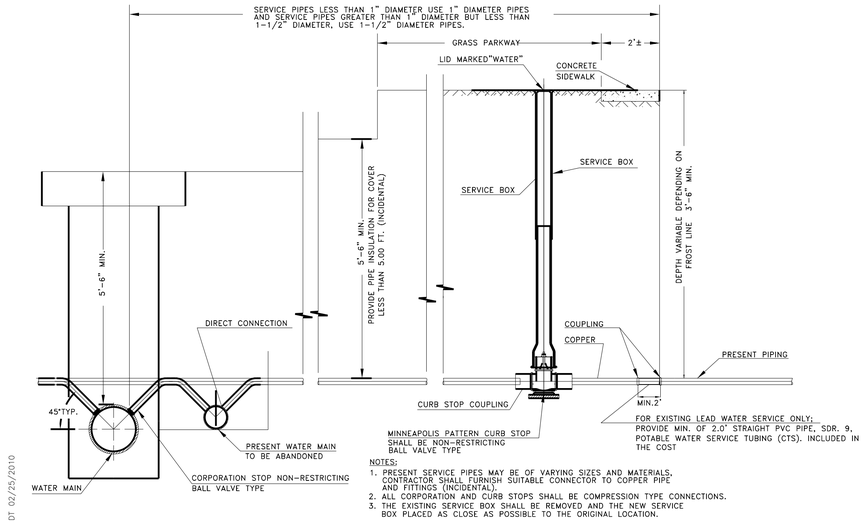
PIPE CONNECTION TO STRUCTURE

Village of Wilmette
Engineering Department
847.853.7660

REVISED: 02-28-07

FILE NAME = N:\wilmette\170224\Civil\059_DET_LOCUST_02.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**LOCUST ROAD CONSTRUCTION DETAILS**
	PLOT SCALE = 20'	DRAWN -	REVISED -		
Default	PLOT DATE = 9/19/2018	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
		DATE -	REVISED -		

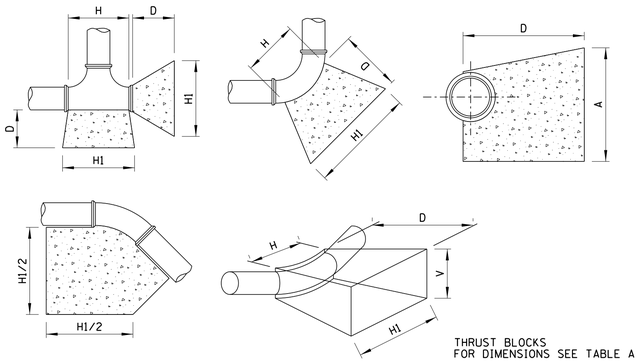
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	63
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



NOTES:
1. PRESENT SERVICE PIPES MAY BE OF VARYING SIZES AND MATERIALS. CONTRACTOR SHALL FURNISH SUITABLE CONNECTOR TO COPPER PIPE AND FITTINGS (INCIDENTAL).
2. ALL CORPORATION AND CURB STOPS SHALL BE COMPRESSION TYPE CONNECTIONS.
3. THE EXISTING SERVICE BOX SHALL BE REMOVED AND THE NEW SERVICE BOX PLACED AS CLOSE AS POSSIBLE TO THE ORIGINAL LOCATION.

DT 02/25/2010

WATER SERVICE CONNECTION DETAIL

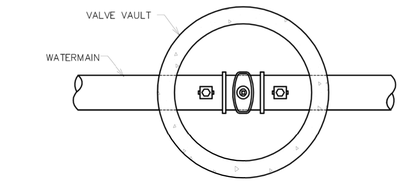


THRUST BLOCKS
FOR DIMENSIONS SEE TABLE A

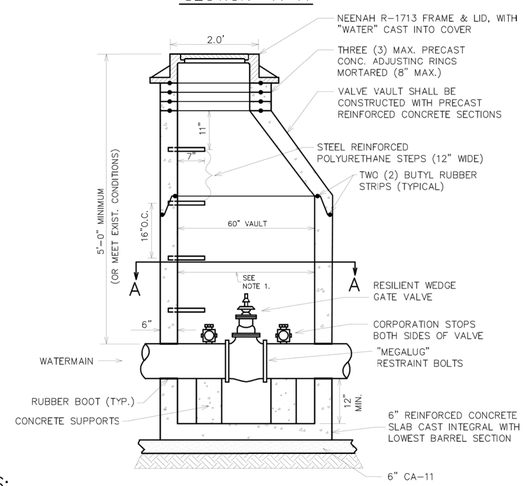
SIZE OF PIPE	TAPPING TEES, SLEEVES AND PLUGS					90° BENDS					45° BENDS OR LESS				
	H1	H	V	D	C. FT.	H1	H	V	D	C. FT.	H1	H	V	D	C. FT.
12"	54"	30"	24"	24"	13.40	54"	32"	36"	36"	18.15	42"	18"	24"	24"	9.60
8"	36"	18"	18"	18"	5.05	39"	18"	24"	18"	7.50	30"	11"	18"	18"	3.95
6"	24"	16"	18"	18"	3.50	30"	16"	18"	18"	4.05	24"	10"	16"	18"	3.20
4"	20"	13"	15"	15"	2.15	24"	12"	13"	13"	1.75	20"	8"	12"	12"	1.20

WATER MAIN THRUST BLOCKING – TABLE A

NOTE:
THRUST BLOCKING TO BE INSTALLED AT ALL HORIZONTAL AND VERTICAL BENDS, CAPS, VALVES, HYDRANTS AND AT LOCATIONS DIRECTED BY ENGINEER. THRUST BLOCK TO BE READY MIXED PORTLAND CEMENT CONCRETE, PLACED BETWEEN SOLID GROUND AND FITTING OR PRECAST SOLID CONCRETE BLOCK, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIR. ALL ENDS O.D. 11 1/4 " OR MORE, ALL TEES AND ALL PLUGS SHALL BE PROTECTED AS SHOWN. WHERE CONDITIONS PREVENT THE USE OF CONCRETE THRUST BLOCKS, RESTRAINED JOINTS OF A TYPE APPROVED BY THE ENGINEER MAY BE USED.



SECTION A–A



NOTES:
1. 60" (MIN) INSIDE DIA. FOR ALL VALVE VAULTS.
2. VALVE VAULT MUST CONFORM TO ASTM C-478.
3. USE ECCENTRIC CONE ONLY.
4. VAULT SECTIONS TO BE TONGUE AND GROOVED.
5. NON-PRECAST OPENINGS SHALL BE CORED AND RUBBER BOOTED.*
6. BACKFILL MATERIAL SHALL BE IDOT CA 7 STONE.
7. BOLTS AND NUTS.
   a. MECHANICAL JOINT BOLTS & NUTS SHALL BE COMPOSED OF "COR-TEN"
   b. ALL OTHER HEXAGONAL BOLTS & NUTS SHALL BE COMPOSED OF STAINLESS STEEL.
8. GATE VALVES SHALL HAVE REPLACEABLE RESILIENT SEATS OR WEDGES MANUFACTURED BY WATEROUS OR AMERICAN FLOW CONTROL.

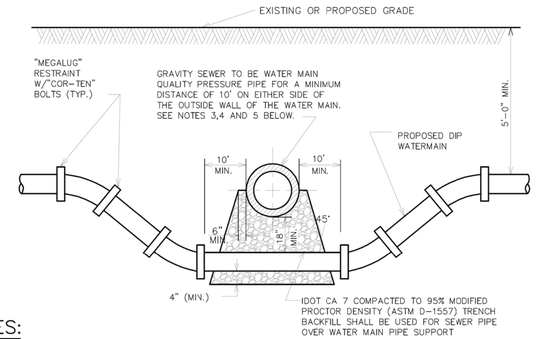
* SEE PIPE CONNECTION TO STRUCTURE DETAIL U-4.

REVISED: 01-09-08

NOT TO SCALE

VALVE VAULT

Village of Wilmette
Engineering Department
847.853.7660



NOTES:

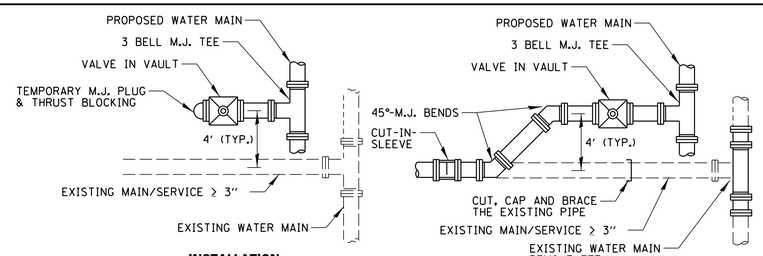
1. HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATERMAINS AND SEWERS SHALL COMPLY WITH VILLAGE ENGINEERING STANDARDS MANUAL OR IEPA REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
2. CONTRACTOR MAY BEND WATER MAIN PIPE UNIFORMLY UNDER SEWERS WITHOUT USING FITTINGS, PROVIDED THAT JOINT DEFLECTION DOES NOT EXCEED 5 DEGREES PER JOINT FOR PIPE UNDER 14" IN DIAMETER AND 3 DEGREES PER JOINT FOR PIPE 14" AND OVER IN DIAMETER. IF FITTINGS ARE USED, CONTINUOUS STRAPPING WITH RODS, STRAPS, NUTS AND BOLTS BELOW NORMAL WATERMAIN DEPTH ARE REQUIRED, OR RETAINER GLANDS MAY BE USED IN LIEU OF STRAPPING. RETAINER GLANDS TO BE "MEGALUG" RESTRAINT, SERIES 1100 OR APPROVED EQUAL WITH "COR TEN" BOLTS.
3. ALL SANITARY SEWER (INCLUDING SERVICE) CROSSINGS WHERE THE WATER MAINS OR WATER SERVICES ARE LESS THAN 18" VERTICALLY ABOVE THE SEWER SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE (SDR 26-160 PSI) AND SHALL CONFORM WITH THE LATEST REVISION OF ASTM D- 2241. JOINTS SHALL CONFORM TO ASTM D-3139 AND ELASTOMERIC GASKETS SHALL CONFORM TO ASTM F-477. THE SAME PIPE AND JOINT MATERIALS SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
4. ALL STORM SEWER (INCLUDING SERVICE) CROSSINGS WHERE THE WATER MAINS ARE LESS THAN 18" VERTICALLY ABOVE THE SEWER SHALL BE REINFORCED CONCRETE PIPE, ASTM C-361, CLASS D-25,WITH BELL AND SPIGOT JOINTS AND RUBBER GASKETS, OR PVC SDR 26 AS SPECIFIED IN NOTE 3 ABOVE. THE SAME PIPE AND JOINT MATERIAL SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
5. FOR NEW SEWER INSTALLATIONS CROSSING OVER WATER MAINS, THE ENTIRE RUN OF NEW SEWER SHALL BE WATER MAIN QUALITY PIPE, EXTENDING FROM STRUCTURE TO STRUCTURE ON EACH SIDE OF THE CROSSING.

NOT TO SCALE

WATER MAIN CROSSING

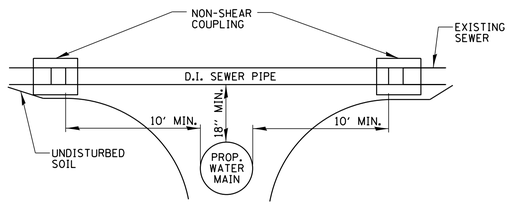
Village of Wilmette
Engineering Department
847.853.7660

REVISED: 02-28-07



NOTES:
1. AFTER THE EXISTING WATER MAIN OR SERVICE IS CUT AT THE NOTED LOCATION, CONTRACTOR SHALL DETERMINE THE DISTANCE TO THE NEXT JOINT WITH A FEELER ROD. IF THE DISTANCE IS SIX (6) FEET OR MORE, COMPLETE THE CONNECTION. IF THAT DISTANCE IS LESS THAN SIX (6) FEET, EXTEND THE NEW PIPE AND CONNECT.
2. AFTER THE NEW WATER MAIN IS APPROVED, CUT, CAP AND BRACE THE EXISTING MAIN SERVICE. REMOVE TEMPORARY PLUG AND CONNECT MAIN SERVICE TO THE VALVE. SWAB THE NEW PIPE WITH 1% HTH CHLORINE SOLUTION DURING THE INSTALLATION.
3. FIELD-LOK OR MEGALUGS TO BE USED WITH ALL M.J. FITTINGS.
4. ANY SERVICE LINES LESS THAN 5' IN DEPTH SHALL BE INSULATED WITH MIN. 2' WIDE x 4" THICK INSULATION BOARD. INSULATION BOARD SHALL BE OVERLAP AT ALL JOINTS, AND SHALL BE CLOSED CELL, EXTRUDED POLYSTYRENE FOAM MEETING ASTM 578, TYPE VI, 40 PSI COMPRESSIVE STRENGTH PER ASTM D1621, 0.1% MAX. WATER ABSORPTION PER ASTM C272.

WATER MAIN / SERVICE INSTALLATION AND RECONNECTION



NOTES:
1. USE AT LOCATIONS INDICATED ON PLANS OR AS OTHERWISE DIRECTED BY ENGINEER.

SPECIAL SEWER CROSSING REPLACEMENT DETAIL (SERVICE AND MAINLINE)

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		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

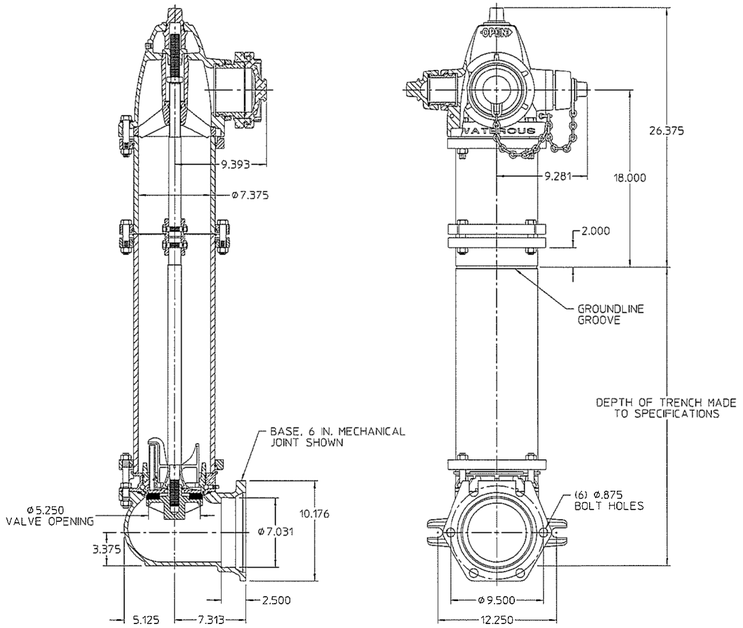
LOCUST ROAD
CONSTRUCTION DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	64
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

AMERICAN Flow Control Submittal Information

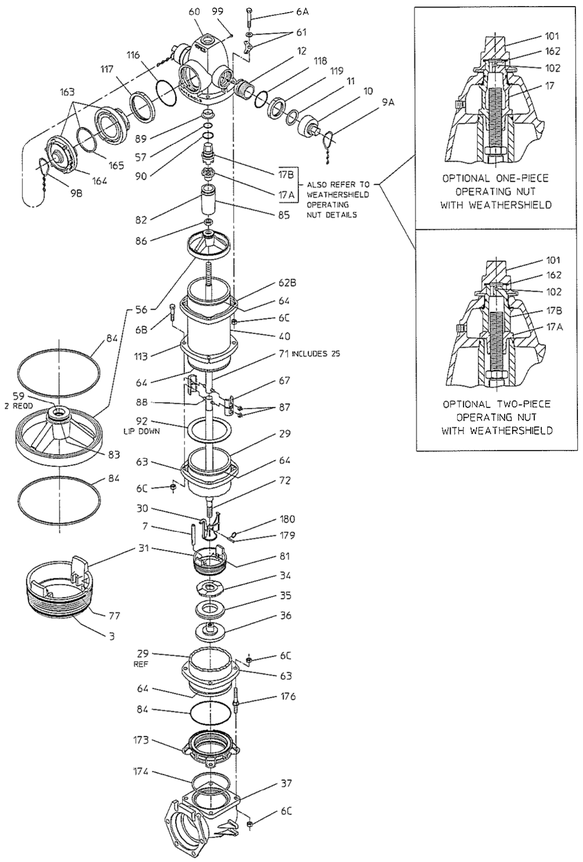
5-1/4 WATEROUS PACER® TRAFFIC MODEL WB67-250 FIRE HYDRANT WITH 5-INCH STORZ CONNECTION



IL4378

NOTES:

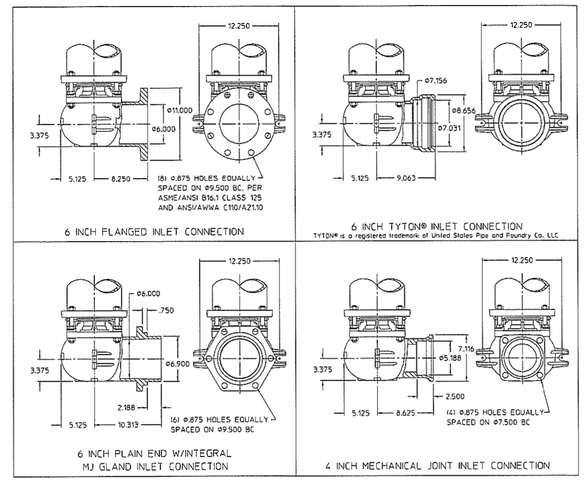
1. 250 psig rated working pressure.
2. This hydrant meets or exceeds all requirements of AWWA C502.
3. This hydrant is equipped with a 5-inch size Storz pumper nozzle outlet which conforms to the requirements for non-threaded outlets in Section 4.6.3 of AWWA C502-14 *Dry-Barrel Fire Hydrants* and the dimensional requirements for non-threaded connections in NFPA 1963 *Standard for Fire Hose Connections.*
4. 10 in. upper standpipe (traffic section) is standard. 16 in., 22 in., 28 in. and 34 in. upper standpipes are available by special order. Nozzle elevation will vary accordingly.
5. 5-1/4" valve opening.
6. Hydrants are available with counterclockwise opening direction (open-left) or clockwise opening direction (open-right).
7. Operating nut and nozzle cap wrench nuts are available in various shapes and sizes.

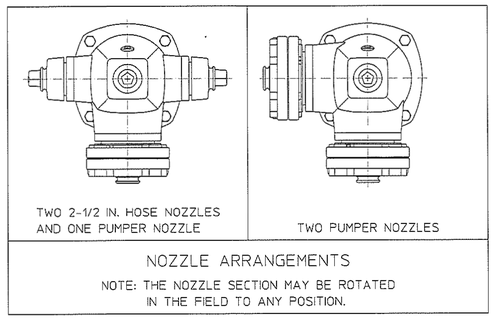


TRAFFIC MODEL WB67-250

REF NO.	DESCRIPTION	MATERIAL
3	O-ring (Lower Valve Seat)	Buna-N
6A	Hex Head Bolt, 5/8-11 x 3-3/4"	Zinc Plated Steel, ASTM A307
6B	Hex Head Bolt, 5/8-11 x 3"	Zinc Plated Steel, ASTM A307
6C	Hex Nut, 5/8-11 (Above Ground)	Zinc Plated Steel, ASTM A307
6C	Hex Nut, 5/8-11 (Below Ground)	Stainless Steel, Type 304, ASTM F594
7	Drain Plunger	Red Brass, ASTM B135, UNS C23000
9A,9B	Nozzle Cap Chain, Single or Double	Zinc Plated Steel
10	Nozzle Cap, Hose	Ductile Iron, ASTM A536 Grade 65-45-12
11	Cap Gasket, Hose	Neoprene
12	Nozzle, Hose	Brass, ASTM B505, UNS C83600
17	Operating Nut (One-Piece)	Bronze, ASTM B763, UNS C86500 or UNS C86700
17A	Lower Operating Nut	Bronze
17B	Upper Operating Nut	Ductile Iron, ASTM A536 Grade 65-45-12*
25	Rod Bushing	Red Brass, ASTM B135, UNS C23000
29	Lower Standpipe	Centrifugally Cast Ductile Iron Pipe, ANSI A21.51 (AWWA C151)
30	Crossarm	Bronze, ASTM B763, UNS C99500
31	Valve Seat	Bronze, ASTM B584, UNS C87600
34	Upper Valve Washer	Ductile Iron, ASTM A536 Grade 65-45-12
35	Main Valve Rubber	Urethane
36	Lower Valve Washer	Ductile Iron, ASTM A536 Grade 65-45-12 / Epoxy Coated, AWWA C550
37	Hydrant Bottom	Ductile Iron, ASTM A536 Grade 65-45-12 / Epoxy Coated, AWWA C550
40	Upper Standpipe	Centrifugally Cast Ductile Iron Pipe, ANSI A21.51 (AWWA C151)
56	Support Wheel	Ductile Iron, ASTM A536 Grade 65-45-12
57	O-ring (Operating Nut)	Buna-N
59	O-ring (Support Wheel)	Buna-N
60	Nozzle Section	Ductile Iron, ASTM A536 Grade 65-45-12
61	Bury Depth Plate	Aluminum
61	Bury Depth Plate Washer	Zinc Plated Steel
62B	Upper Standpipe Flange	Ductile Iron, ASTM A536 Grade 65-45-12
63	Standpipe Flange	Ductile Iron, ASTM A536 Grade 65-45-12
64	Flange Lock Ring	Stainless Steel, Type 430
67	Coupling Sleeve (two-halves)	Gray Iron, ASTM A48 Class 30B
71	Upper Rod	Steel Rod, ASTM A575
72	Lower Rod	Steel Rod, ASTM A575
77	O-ring (Upper Valve Seat)	Buna-N
81	Groove Pin, 3/32 x 7/16"	Beryllium Copper
82	O-ring (Upper Tube Seal)	Buna-N
83	O-ring (Lower Tube Seal)	Buna-N
84	Support Wheel / Lower Standpipe Gasket	Buna-N
85	Support Tube	Ductile Iron, ASTM A536 Grade 65-45-12
86	Stop Nut, 1"-8	Zinc Plated Steel
87	Coupling Nut, 1/2-20	Brass
88	Coupling Stud, 1/2-20 x 2-9/16"	Stainless Steel, Type 430
89	Nozzle Section Bushing	Brass
90	Thrust Ring	Polymer Bearing
92	Upper Standpipe Gasket	Neoprene
99	Pipe Plug, 1/4 NPT	Brass
101	Weathershield Nut	Ductile Iron, ASTM A536 Grade 65-45-12
102	Heavy Spirol Pin, 1/4 x 2-1/4"	Stainless Steel, Type 302
113	Breakable Flange	Ductile Iron, ASTM A536 Grade 65-45-12
116	O-ring (Pumper Nozzle)	Buna-N
117	Pumper Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
118	O-ring (Hose Nozzle)	Buna-N
119	Hose Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
162	Weathershield Nut Gasket	Nitrile
163	Nozzle, Pumper, Storz (with cap and gasket)	Bronze and Aluminum
164	Nozzle Cap, Pumper, Storz	Aluminum
165	Cap Gasket, Pumper, Storz	Buna-N
173	Valve Seat Insert	Bronze, ASTM B584, UNS C87600
174	Valve Seat Insert Gasket	Nitrile
176	Stud, 5/8-11 x 5.650"	Stainless Steel, Type 304, ASTM F593
179	Clevis Pin, 1/4 x 1-11/16"	Stainless Steel, Type 18-8
180	Kickout Ring	Stainless Steel, Type 18-8

*Bronze material optional for some nut sizes.





FIRE HYDRANT DETAILS

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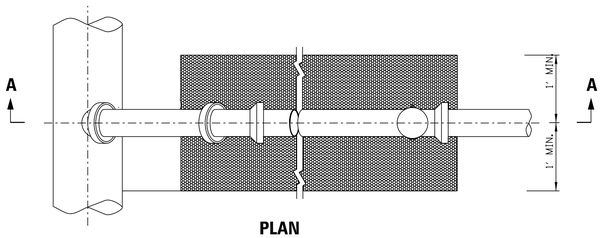
		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

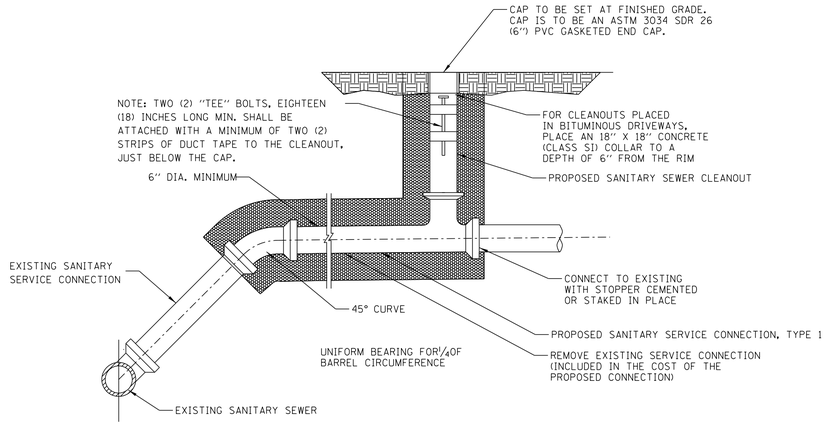
LOCUST ROAD
CONSTRUCTION DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	65
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



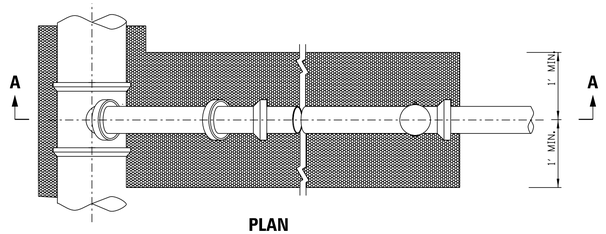
PLAN



SECTION A – A

SANITARY SERVICE CONNECTION, TYPE 1

& SANITARY SEWER CLEANOUT



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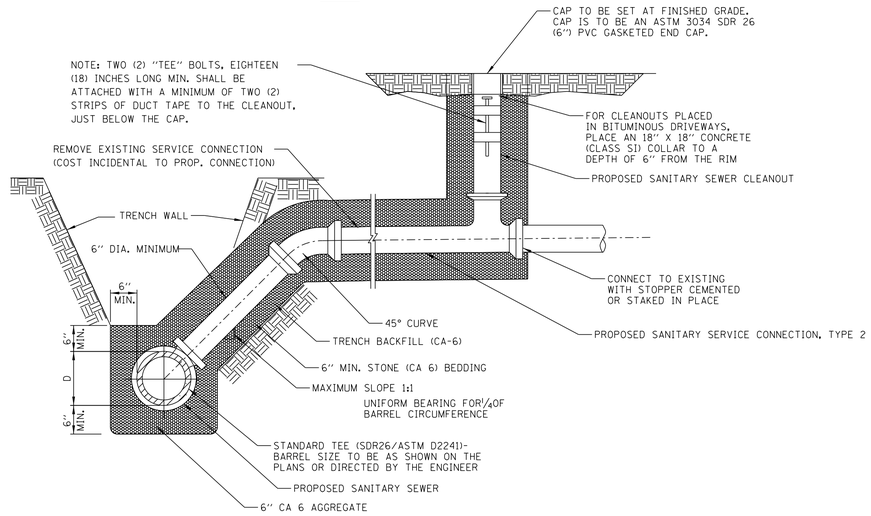
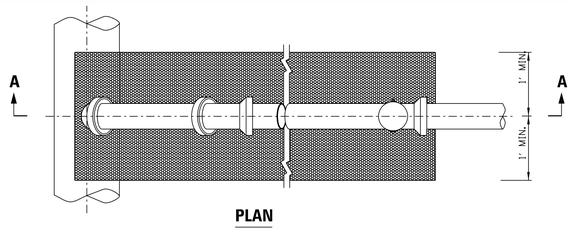


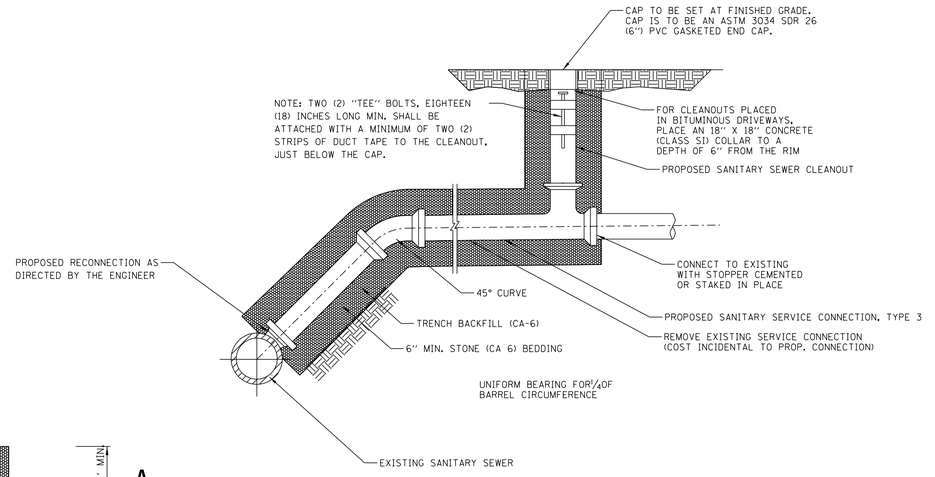
SECTION A – A

SANITARY SERVICE CONNECTION, TYPE 2

& SANITARY SEWER CLEANOUT



PLAN



SECTION A – A

SANITARY SERVICE CONNECTION, TYPE 3

& SANITARY SEWER CLEANOUT

FILE NAME = N:\wilmette\170224\Civil\061_DET_LOCUST_04.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

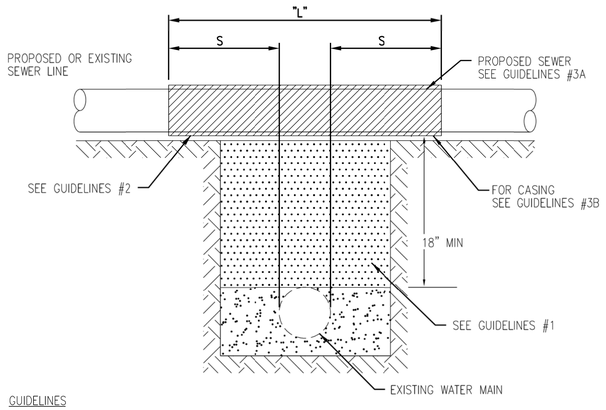
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
CONSTRUCTION DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	66
			CONTRACT NO. 61F16	
	ILLINOIS	FED. AID PROJECT		

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN



GUIDELINES

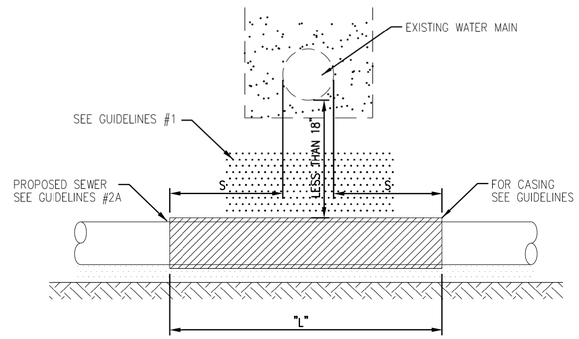
1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION



GUIDELINES

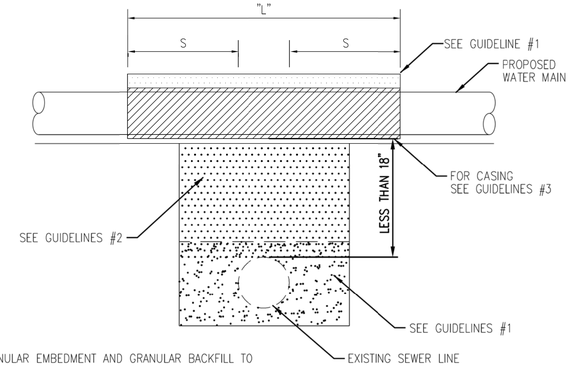
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

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



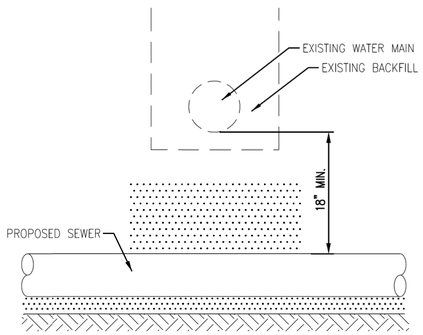
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
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 "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION

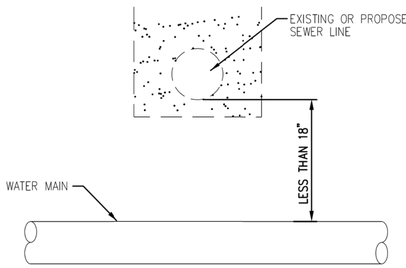


GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED.**



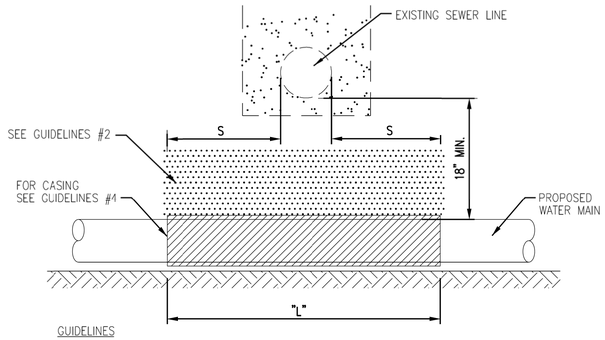
NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

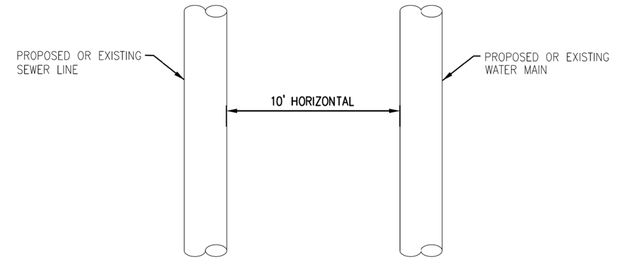
*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.



GUIDELINES

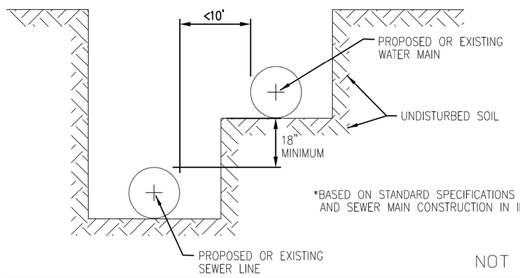
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

PER IEPA, WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED



PLAN VIEW

PER IEPA, WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED **LESS THAN 10 FEET** FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY



*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

NOT TO SCALE

TECHNICAL GUIDANCE MANUAL

7/1/15

WATER AND SEWER SEPARATION REQUIREMENTS (PER IEPA)

STD. DWG. NO. 41

PAGE NO. 42

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		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
CONSTRUCTION DETAILS

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

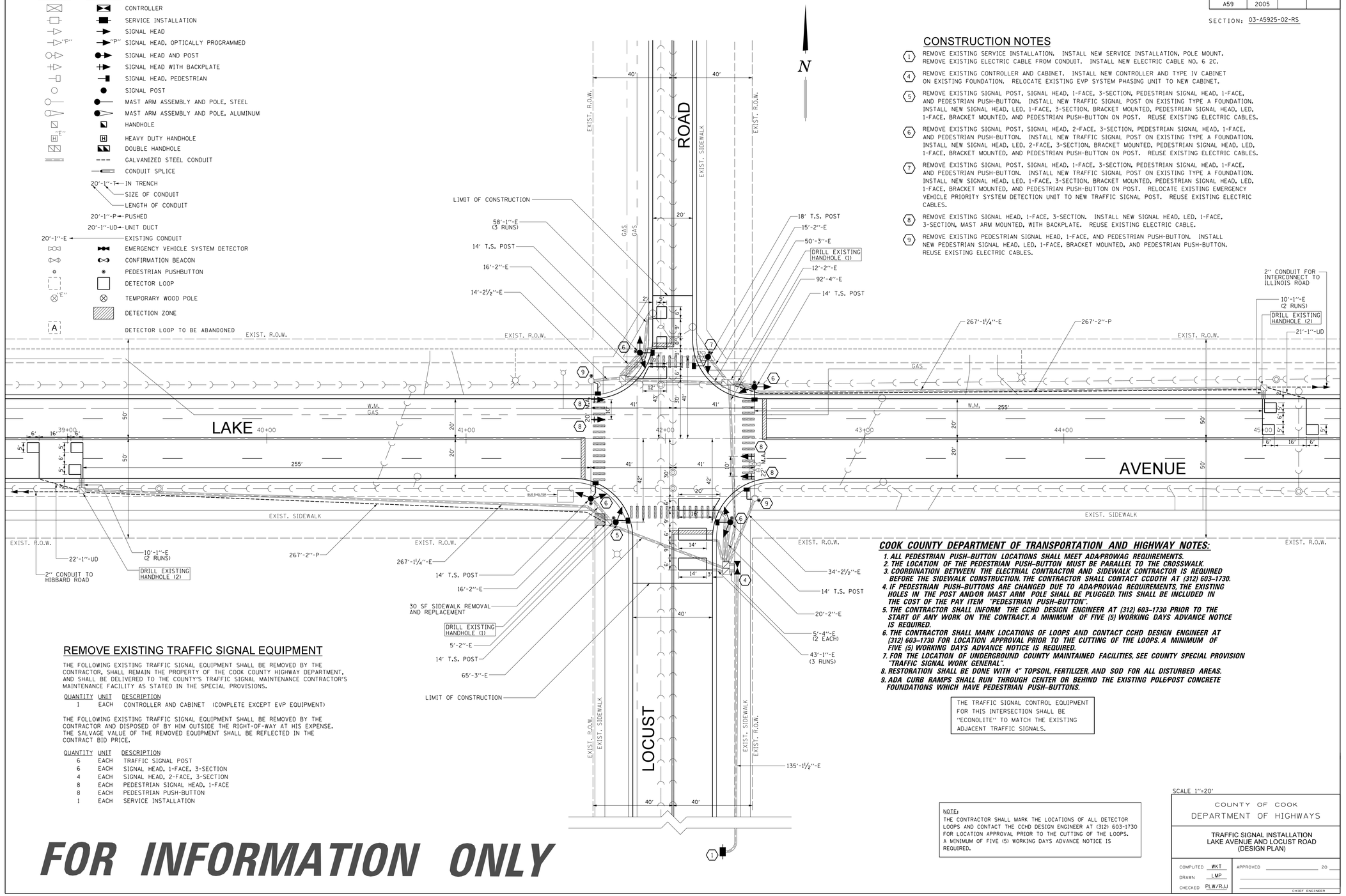
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	67
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
A59	2005		

SECTION: 03-A5925-02-RS

LEGEND

EXISTING	PROPOSED	
		CONTROLLER
		SERVICE INSTALLATION
		SIGNAL HEAD
"P"	"P"	SIGNAL HEAD, OPTICALLY PROGRAMMED
		SIGNAL HEAD AND POST
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
		MAST ARM ASSEMBLY AND POLE, ALUMINUM
		HANDHOLE
"E"		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		GALVANIZED STEEL CONDUIT
		CONDUIT SPLICE
20'-1"-T		IN TRENCH
		SIZE OF CONDUIT
		LENGTH OF CONDUIT
20'-1"-P		PUSHED
20'-1"-UD		UNIT DUCT
20'-1"-E		EXISTING CONDUIT
		EMERGENCY VEHICLE SYSTEM DETECTOR
		CONFIRMATION BEACON
		PEDESTRIAN PUSHBUTTON
		DETECTOR LOOP
"E"		TEMPORARY WOOD POLE
		DETECTION ZONE
A		DETECTOR LOOP TO BE ABANDONED



CONSTRUCTION NOTES

(1) REMOVE EXISTING SERVICE INSTALLATION. INSTALL NEW SERVICE INSTALLATION, POLE MOUNT. REMOVE EXISTING ELECTRIC CABLE FROM CONDUIT. INSTALL NEW ELECTRIC CABLE NO. 6 2C.

(4) REMOVE EXISTING CONTROLLER AND CABINET. INSTALL NEW CONTROLLER AND TYPE IV CABINET ON EXISTING FOUNDATION. RELOCATE EXISTING EVP SYSTEM PHASING UNIT TO NEW CABINET.

(5) REMOVE EXISTING SIGNAL POST, SIGNAL HEAD, 1-FACE, 3-SECTION, PEDESTRIAN SIGNAL HEAD, 1-FACE, AND PEDESTRIAN PUSH-BUTTON. INSTALL NEW TRAFFIC SIGNAL POST ON EXISTING TYPE A FOUNDATION. INSTALL NEW SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, AND PEDESTRIAN PUSH-BUTTON ON POST. REUSE EXISTING ELECTRIC CABLES.

(6) REMOVE EXISTING SIGNAL POST, SIGNAL HEAD, 2-FACE, 3-SECTION, PEDESTRIAN SIGNAL HEAD, 1-FACE, AND PEDESTRIAN PUSH-BUTTON. INSTALL NEW TRAFFIC SIGNAL POST ON EXISTING TYPE A FOUNDATION. INSTALL NEW SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, AND PEDESTRIAN PUSH-BUTTON ON POST. REUSE EXISTING ELECTRIC CABLES.

(7) REMOVE EXISTING SIGNAL POST, SIGNAL HEAD, 1-FACE, 3-SECTION, PEDESTRIAN SIGNAL HEAD, 1-FACE, AND PEDESTRIAN PUSH-BUTTON. INSTALL NEW TRAFFIC SIGNAL POST ON EXISTING TYPE A FOUNDATION. INSTALL NEW SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, AND PEDESTRIAN PUSH-BUTTON ON POST. RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM DETECTION UNIT TO NEW TRAFFIC SIGNAL POST. REUSE EXISTING ELECTRIC CABLES.

(8) REMOVE EXISTING SIGNAL HEAD, 1-FACE, 3-SECTION. INSTALL NEW SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, WITH BACKPLATE. REUSE EXISTING ELECTRIC CABLE.

(9) REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, 1-FACE, AND PEDESTRIAN PUSH-BUTTON. INSTALL NEW PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, AND PEDESTRIAN PUSH-BUTTON. REUSE EXISTING ELECTRIC CABLES.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE COOK COUNTY HIGHWAY DEPARTMENT, AND SHALL BE DELIVERED TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAINTENANCE FACILITY AS STATED IN THE SPECIAL PROVISIONS.

QUANTITY	UNIT	DESCRIPTION
1	EACH	CONTROLLER AND CABINET (COMPLETE EXCEPT EVP EQUIPMENT)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM OUTSIDE THE RIGHT-OF-WAY AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

QUANTITY	UNIT	DESCRIPTION
6	EACH	TRAFFIC SIGNAL POST
6	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
4	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION
8	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY NOTES:

1. *ALL PEDESTRIAN PUSH-BUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS.*
2. *THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.*
3. *COORDINATION BETWEEN THE ELECTRIAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT (312) 603-1730.*
4. *IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "PEDESTRIAN PUSH-BUTTON".*
5. *THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.*
6. *THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.*
7. *FOR THE LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".*
8. *RESTORATION SHALL BE DONE WITH 4" TOPSOIL, FERTILIZER, AND SOD FOR ALL DISTURBED AREAS.*
9. *ADA CURB RAMPS SHALL RUN THROUGH CENTER OR BEHIND THE EXISTING POLE/POST CONCRETE FOUNDATIONS WHICH HAVE PEDESTRIAN PUSH-BUTTONS.*

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT TRAFFIC SIGNALS.

NOTE:
THE CONTRACTOR SHALL MARK THE LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.

SCALE 1"=20'

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

TRAFFIC SIGNAL INSTALLATION
LAKE AVENUE AND LOCUST ROAD
(DESIGN PLAN)

COMPUTED	WKT	APPROVED	20
DRAWN	LMP		
CHECKED	PLW/RJJ		CHIEF ENGINEER

FOR INFORMATION ONLY

FILE NAME = N:\wilmette\170224\Civil\066_TS_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD AT LAKE AVENUE
EXISTING TRAFFIC SIGNAL PLANS

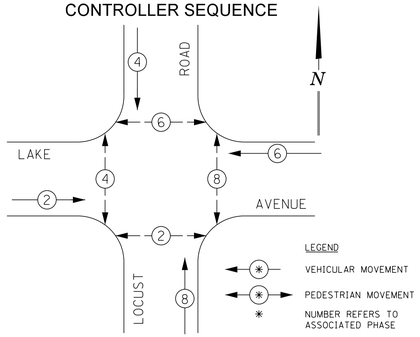
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	68
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
A59	2005		

SECTION: 03-A5925-02-RS

EXISTING/PROPOSED CONTROLLER SEQUENCE



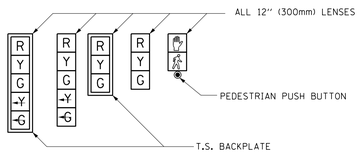
PHASE DESIGNATION DIAGRAM

DUAL ENTRY - ALL LEGS
PROTECTED / PERMITTED LEFT TURN PHASING

EXISTING/PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

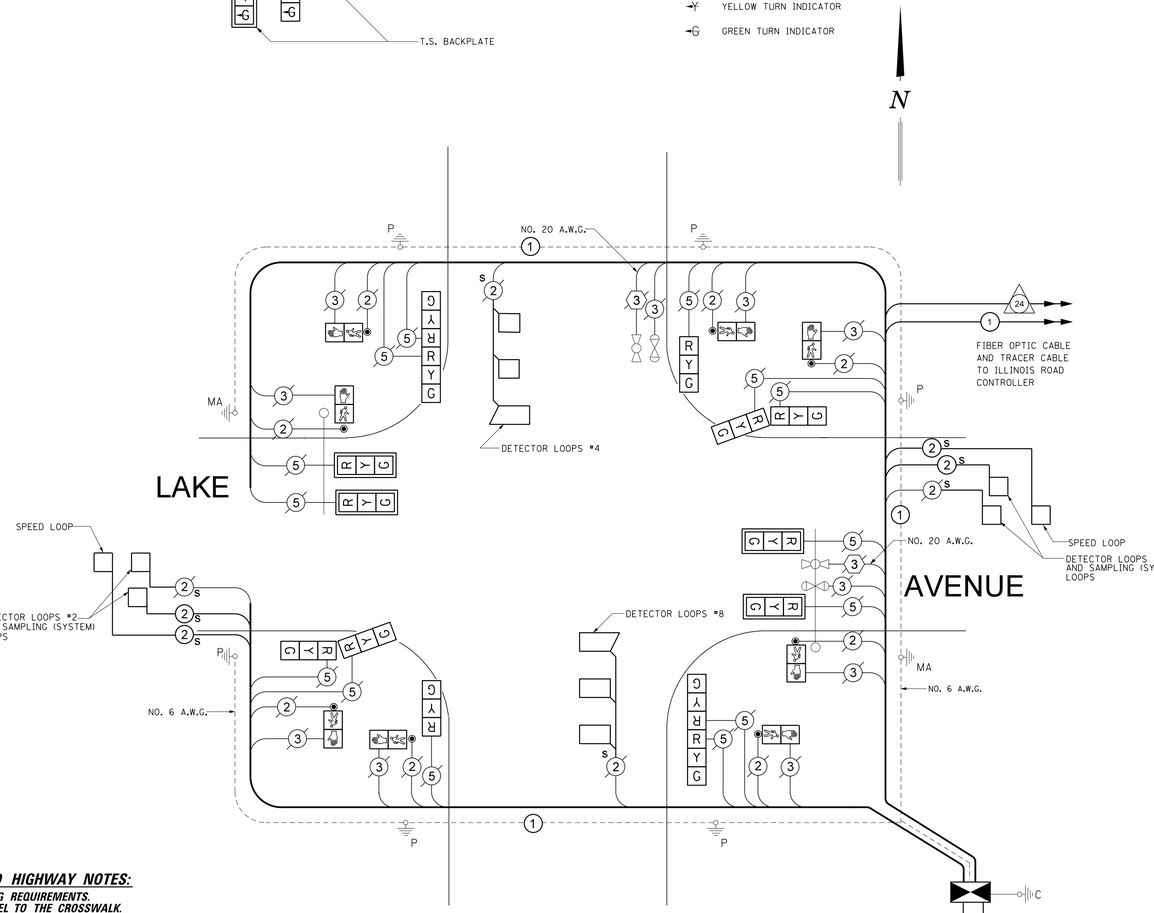
EXISTING EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

SIGNAL FACES



SIGNAL LENSES

R	RED
Y	YELLOW
G	GREEN
⇢Y	YELLOW TURN INDICATOR
⇢G	GREEN TURN INDICATOR



CABLE PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET		
SERVICE INSTALLATION		
8" (200mm) TRAFFIC SIGNAL SECTION	R	R
12" (300mm) TRAFFIC SIGNAL SECTION	R	R
12" (300mm) PEDESTRIAN SIGNAL SECTION	W	W
DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE TWISTED AND SHIELDED.	2	2
TELEPHONE INSTALLATION	T	T
VEHICLE DETECTOR, INDUCTION LOOP		
SHIELDED & TWISTED	S	S
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
OPTICOM CABLE, NO. 20	3	3
12" (300mm) PEDESTRIAN SIGNAL HEAD		
PUSHBUTTON DETECTOR		
SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD.	R Y G	R Y G
GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), CONTROLLER (C), SERVICE (S), POST (P), OR MAST ARM POLE (MA).	"P"	"P"
FIBER OPTIC CABLE, NO. 62.5/125 MULTIMODE 12 FIBERS AND SINGLE MODE 12 FIBERS	24	24

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY NOTES:

1. ALL PEDESTRIAN PUSH-BUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS.
2. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
3. COORDINATION BETWEEN THE ELECTRIAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT (312) 603-1730.
4. IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "PEDESTRIAN PUSH-BUTTON".
5. THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
6. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
7. FOR THE LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".
8. RESTORATION SHALL BE DONE WITH 4" TOPSOIL, FERTILIZER, AND SOD FOR ALL DISTURBED AREAS.
9. ADA CURB RAMPS SHALL RUN THROUGH CENTER OR BEHIND THE EXISTING POLE/POST CONCRETE FOUNDATIONS WHICH HAVE PEDESTRIAN PUSH-BUTTONS.

FOR INFORMATION ONLY

CABLE PLAN
NOT TO SCALE

NOTE:

1. THIS IS A SYSTEM GROUND THAT SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 1C COPPER AWG.
2. THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION BUT SEPARATE AT THE TRAFFIC CABINET.

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

TRAFFIC SIGNAL INSTALLATION
LAKE AVENUE AND LOCUST ROAD
(CABLE PLAN)

COMPUTED WKT | APPROVED _____ 20__
DRAWN PSS/LP
CHECKED PLW/RJJ
CHIEF ENGINEER

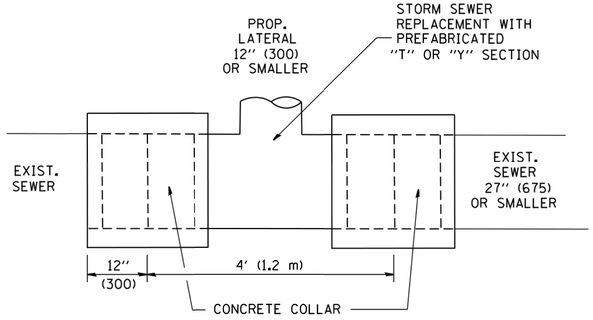
FILE NAME =	USER NAME = jhouseh	DESIGNED -	REVISED -
N:\wilmette\170224\Civil\067_TS_LOCUST_02.SHT		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD AT LAKE AVENUE
EXISTING TRAFFIC SIGNAL PLANS

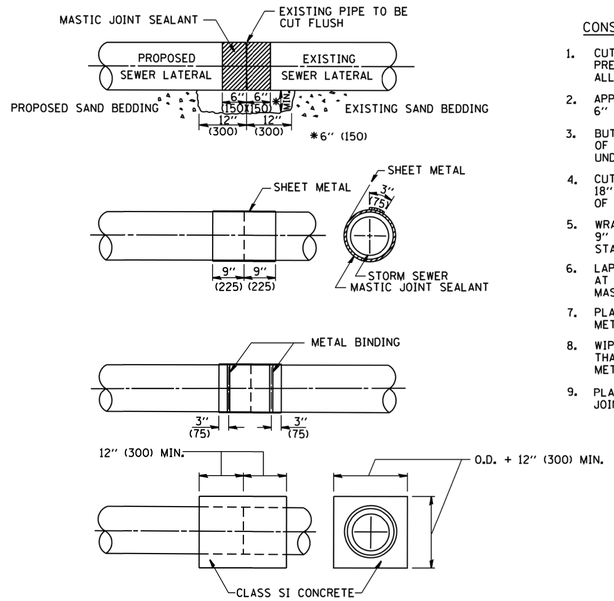
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	69
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



DETAIL "A"

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

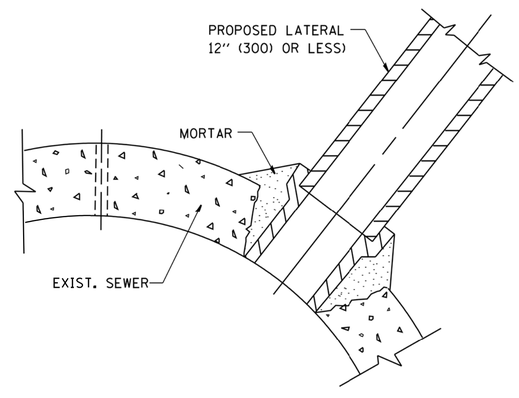


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



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

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".

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 PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

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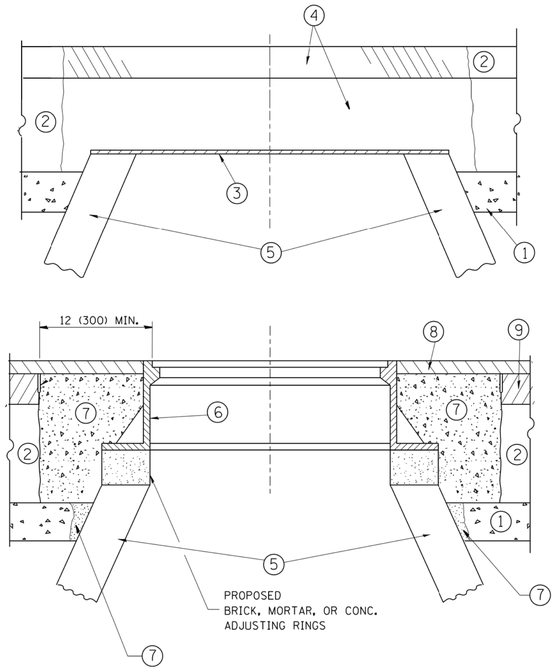
		DRAWN -	REVISED - R. SHAH 09-09-94					1076	12-00195-00-PV	COOK	109	70
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94					BD500-01 (BD-7)		CONTRACT NO.		61F16
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-1* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1968.5000 ' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	71
	BD600-03 (BD-8)	CONTRACT NO. 61F16		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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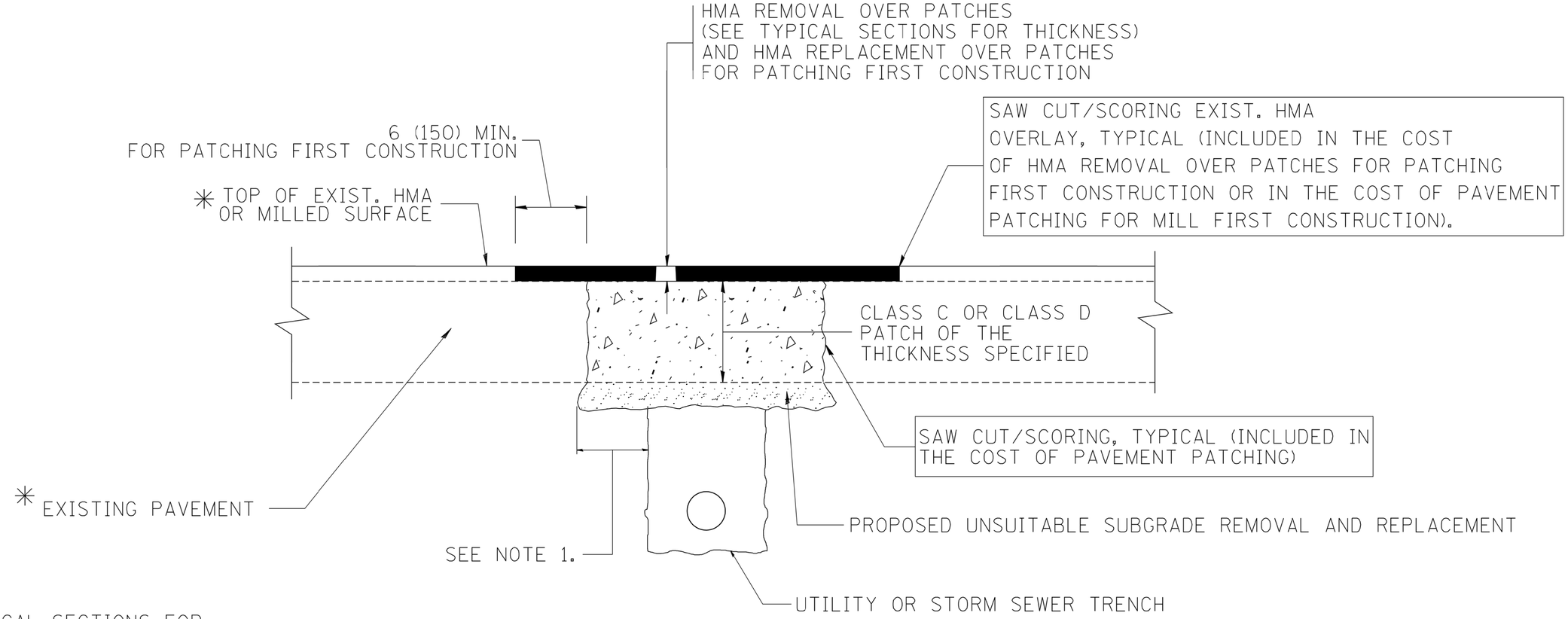

* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	72
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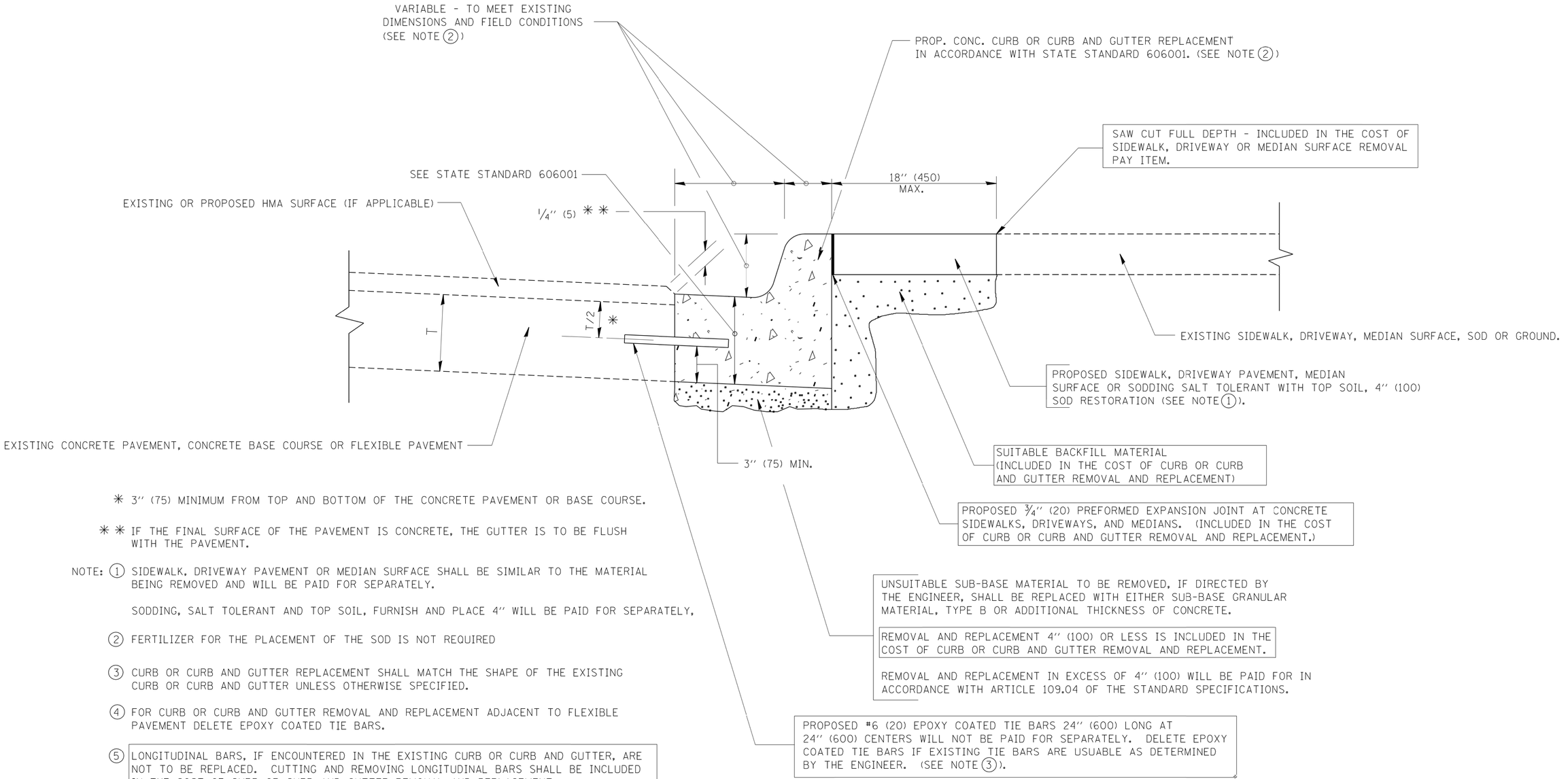
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

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.

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".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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		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.
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	BD600-06 (BD-24)	CONTRACT NO.	61F16	
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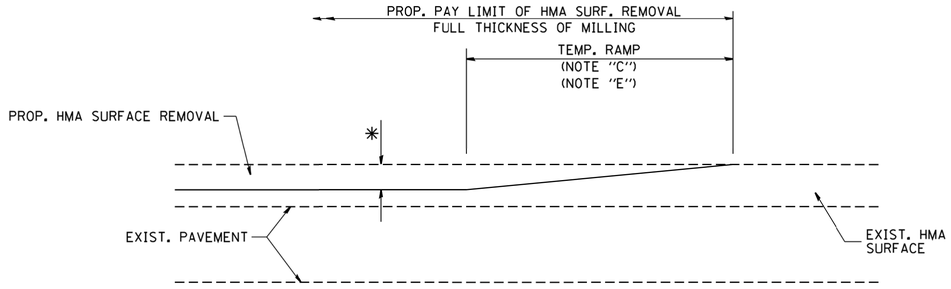
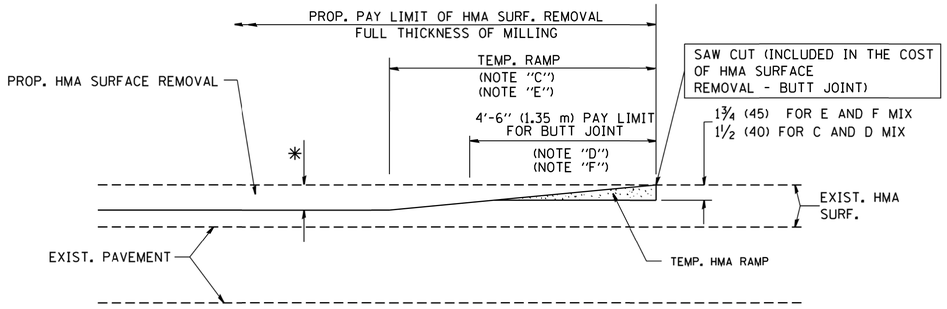


MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

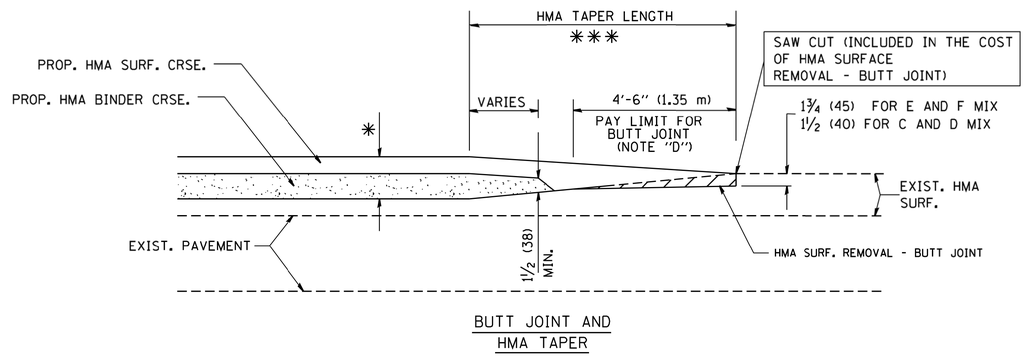


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

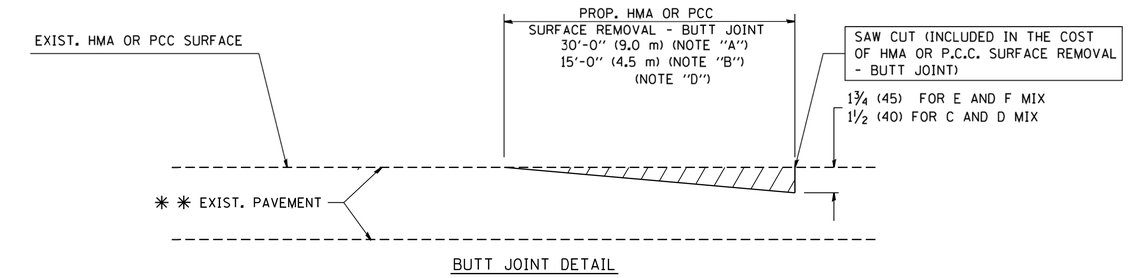
OPTION 2

TYPICAL TEMPORARY RAMP

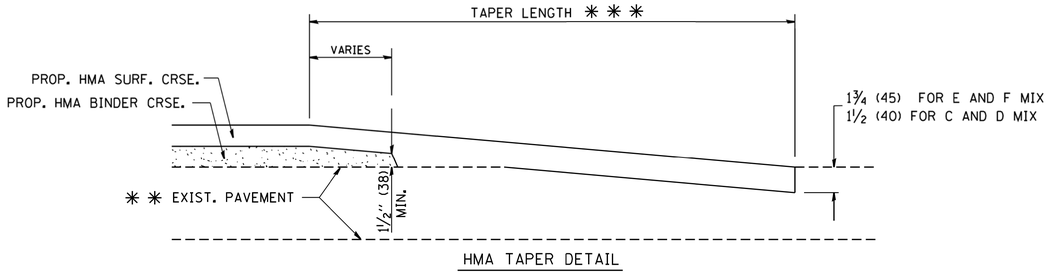


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

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

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

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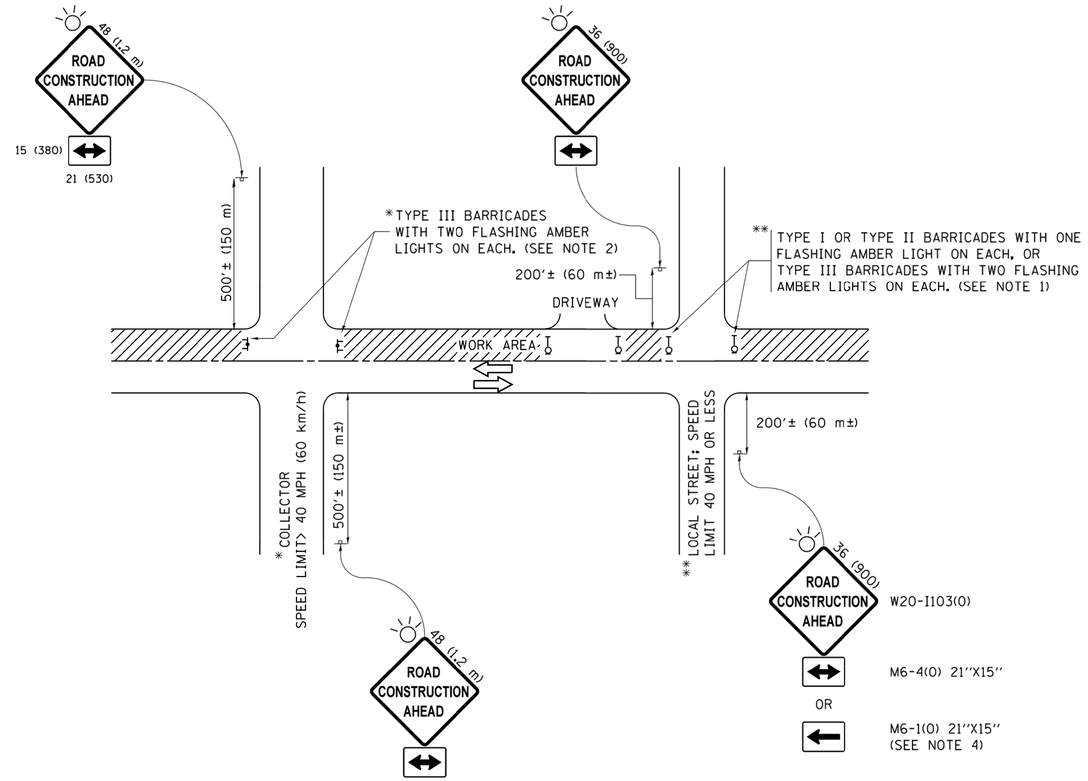
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	74
	BD400-05 BD32	CONTRACT NO. 61F16		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

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

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

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Default	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.
1076	12-00195-00-PV	COOK	109	75
	TC-10	CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

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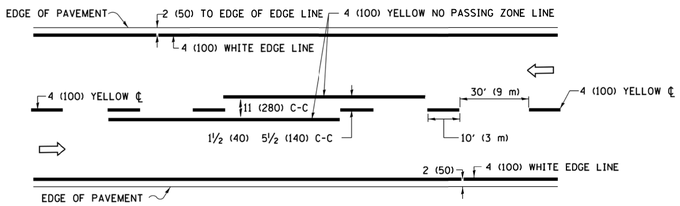
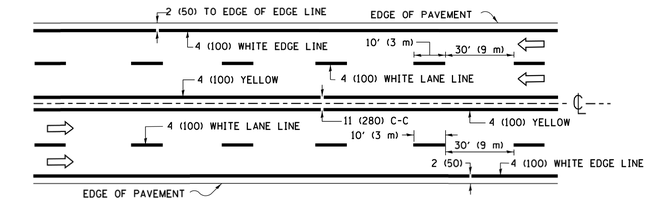
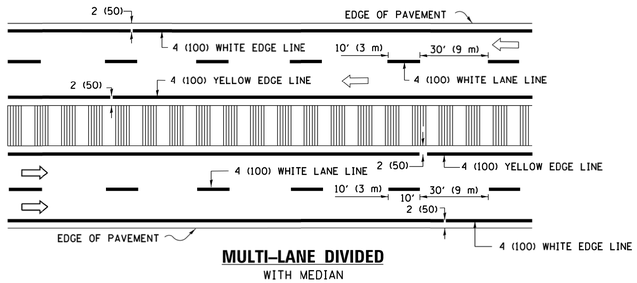


2–LANE ROADWAY

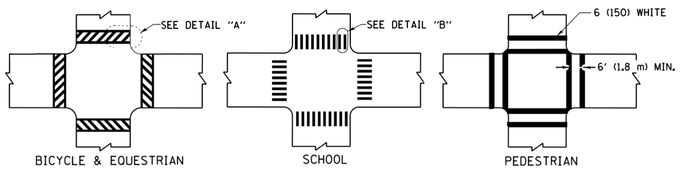


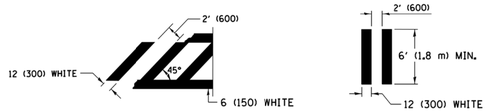
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

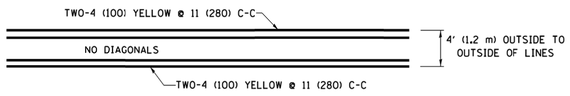




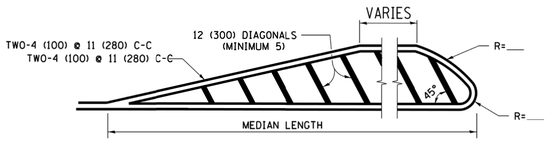
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



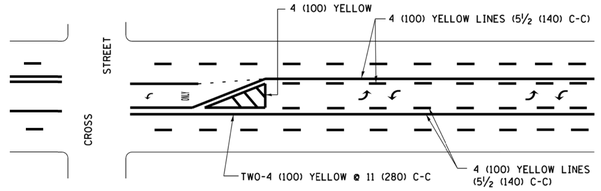
4' (1.2 m) WIDE MEDIANS ONLY



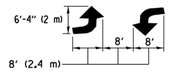
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

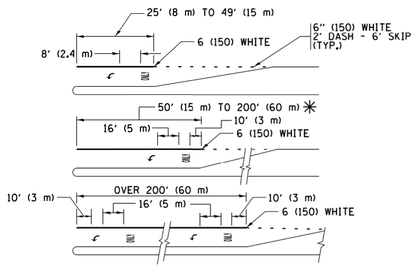


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

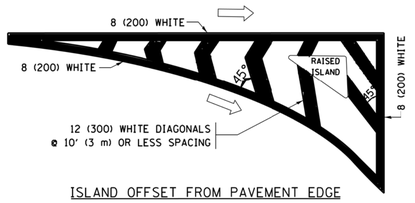


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

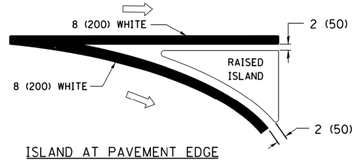
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

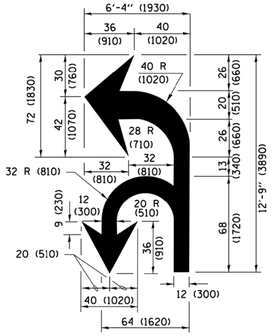


ISLAND OFFSET FROM PAVEMENT EDGE

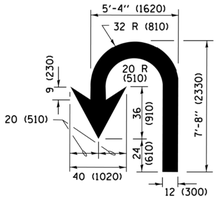


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

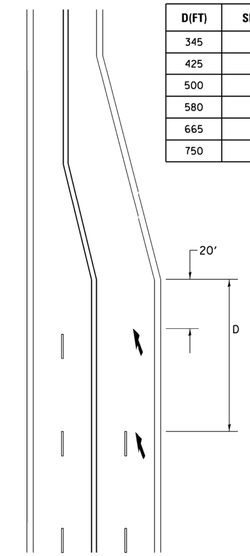


COMBINATION LEFT AND U–TURN



U–TURN

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



LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⊠ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⊠ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⊠ 6 (150) 12 (300) ⊠ 45° 12 (300) ⊠ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⊠ 4 (100) WITH 12 (300) DIAGONALS ⊠ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⊠ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 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 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ⊠ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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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.
1076	12-00195-00-PV	COOK	109	76
	TC-13	CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

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TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	T	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I	I	
PREFORMED DETECTOR LOOP	P	P
SAMPLING (SYSTEM) DETECTOR	S	S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS	IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS	QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	77
	TS-05	CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

ts05.dgn 9/29/2016 2:58:13 PM User:leysa

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

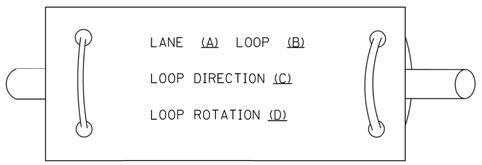
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

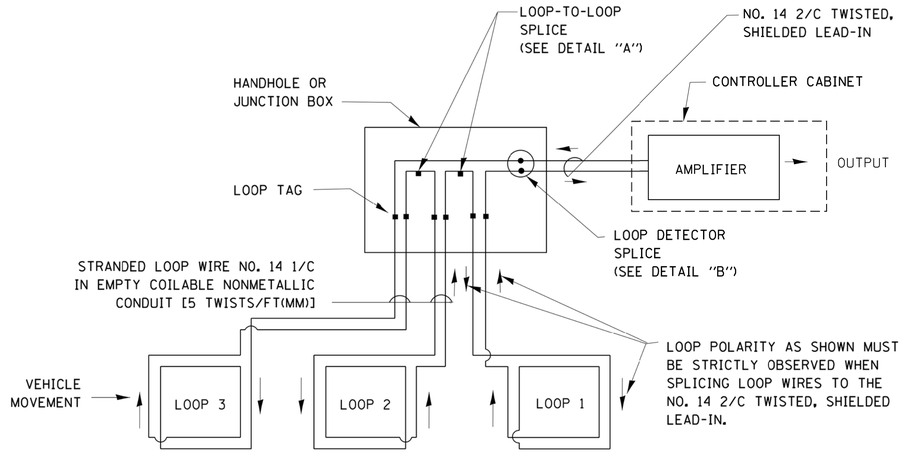


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

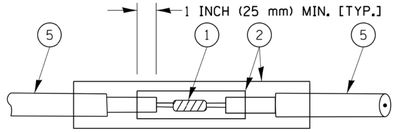
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

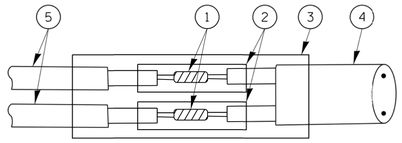


DETECTOR LOOP WIRING SCHEMATIC

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

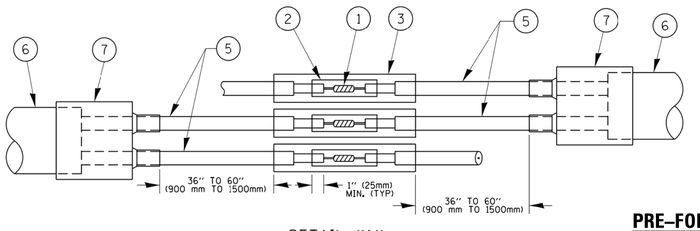


DETAIL "A"
LOOP-TO-LOOP SPLICE



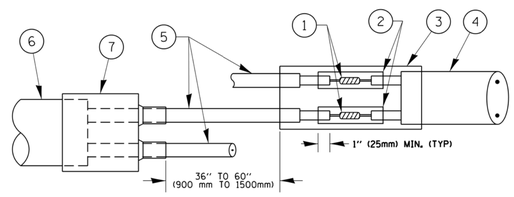
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 2 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	78
	TS-05	CONTRACT NO. 61F16		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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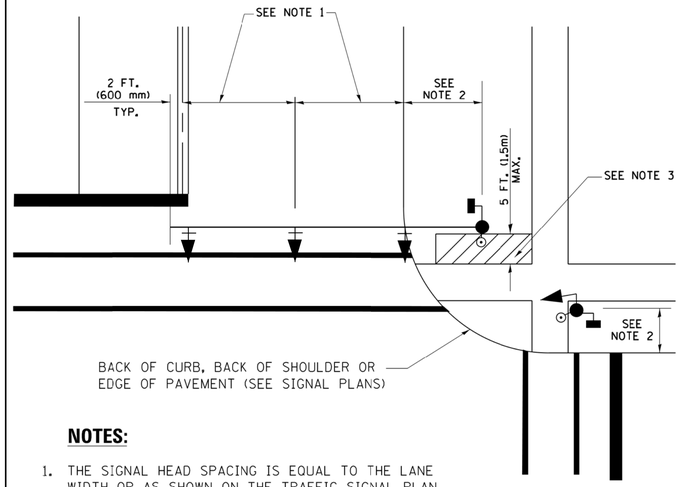
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

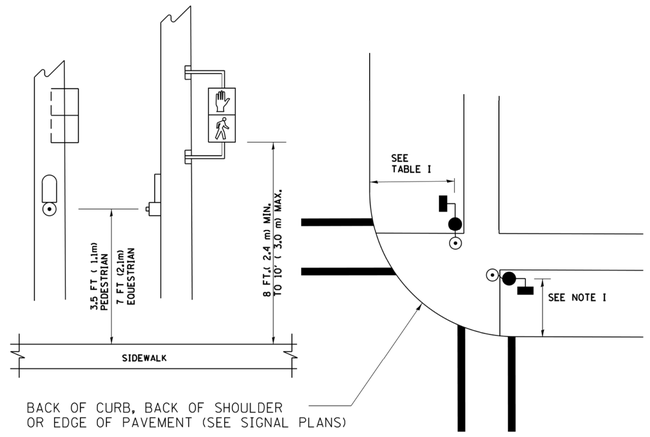
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

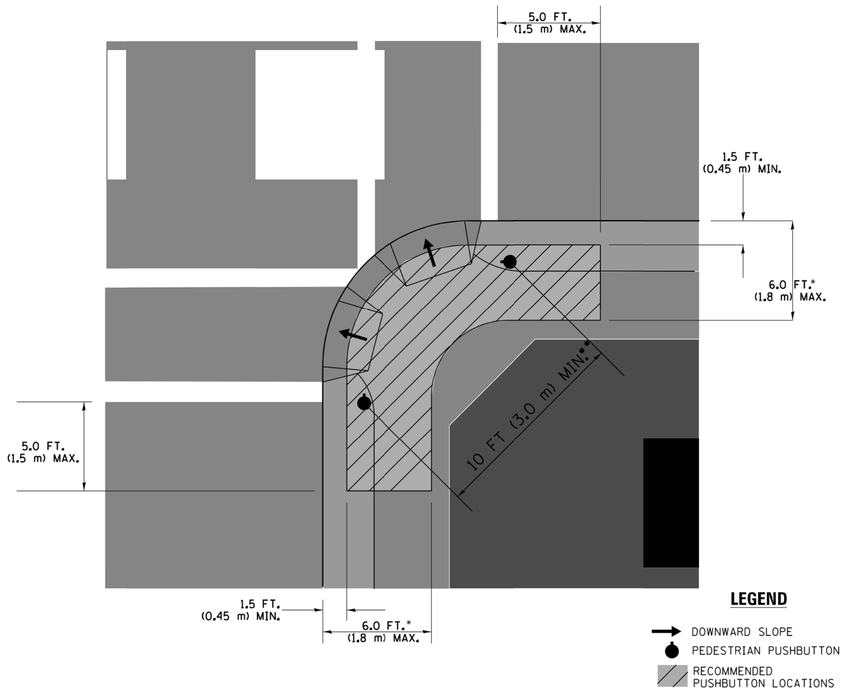
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	79
	TS-05	CONTRACT NO. 61F16		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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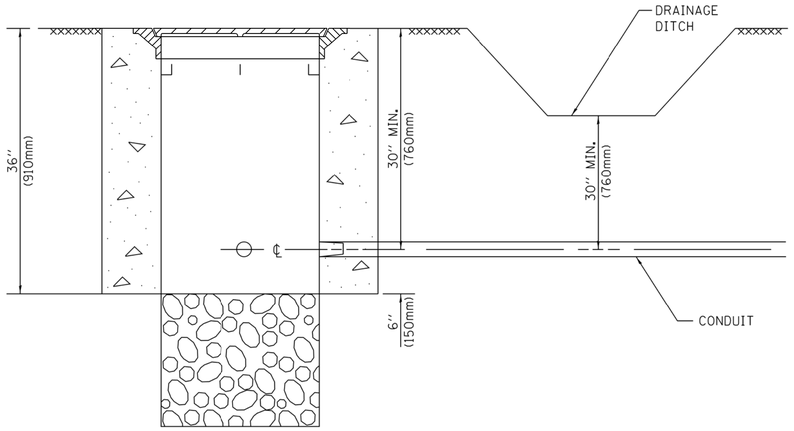
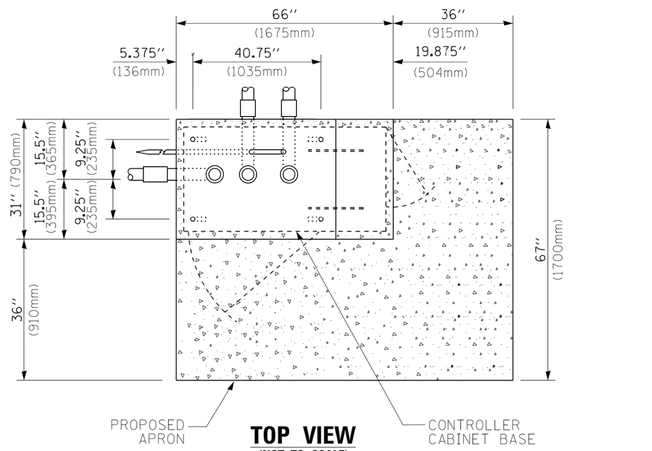


NOTES:

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

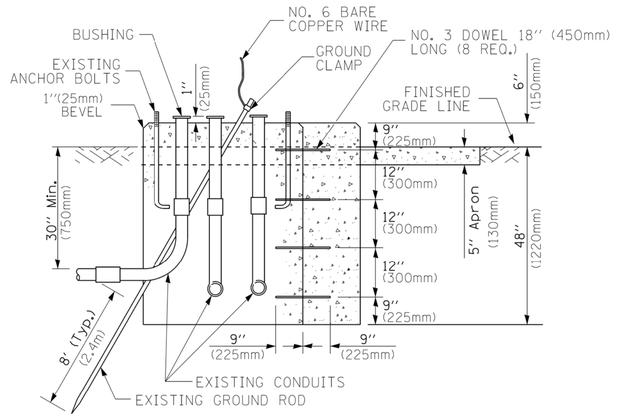
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



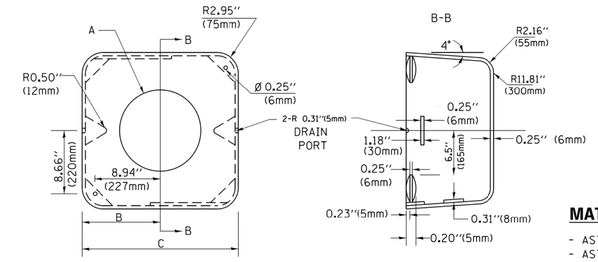
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL:

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

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

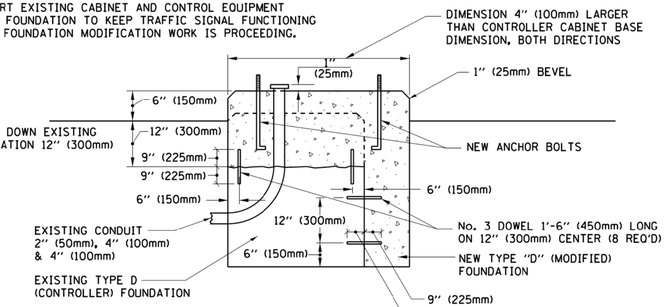
SHROUD

NOTES:

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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION

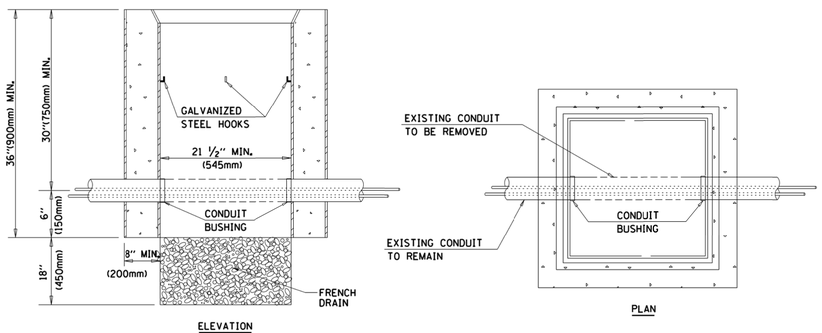
POST CAP MOUNT **MAST ARM MOUNT**

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	80
	TS-05	CONTRACT NO. 61F16		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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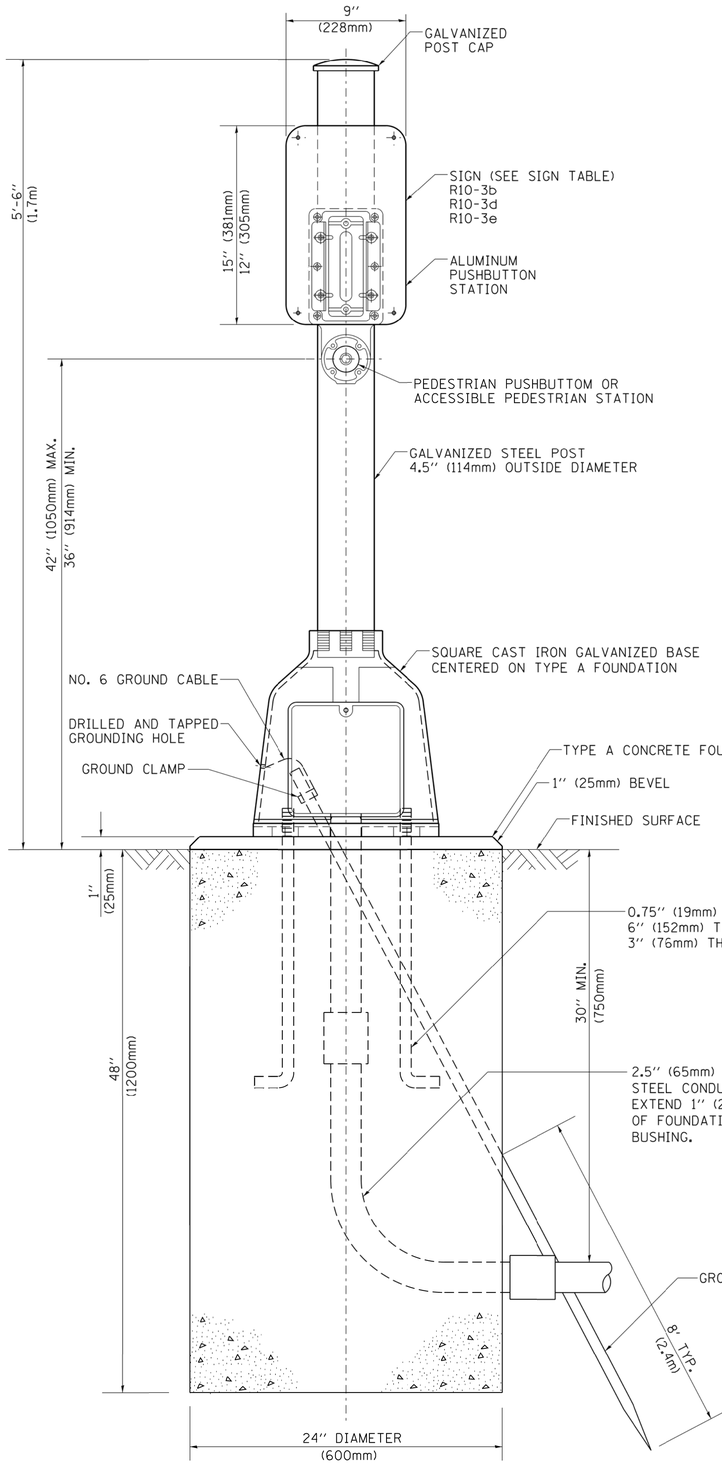
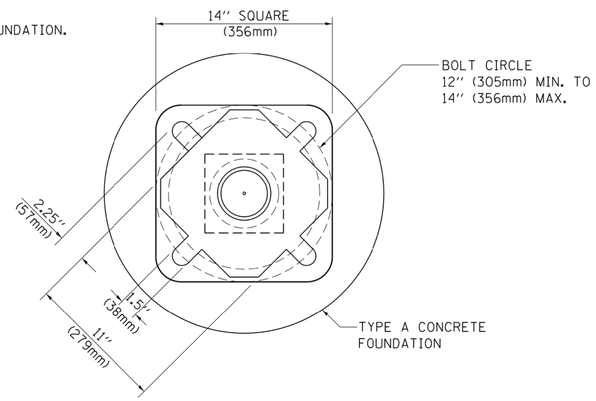


SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	81
	TS-05	CONTRACT NO. 61F16		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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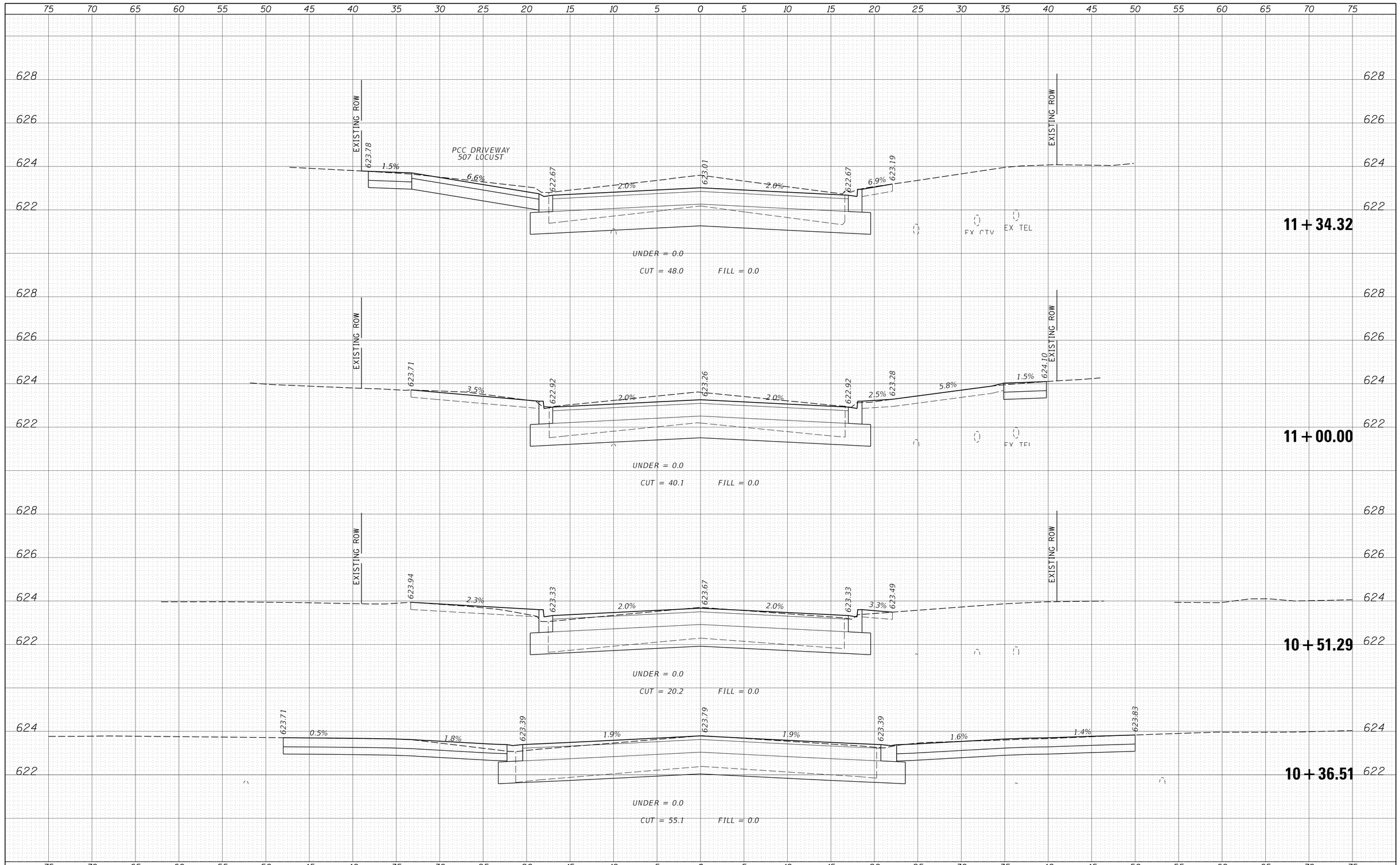

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 1 OF 28 SHEETS | STA. 10+36.51 TO STA. 11+34.32

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	82
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

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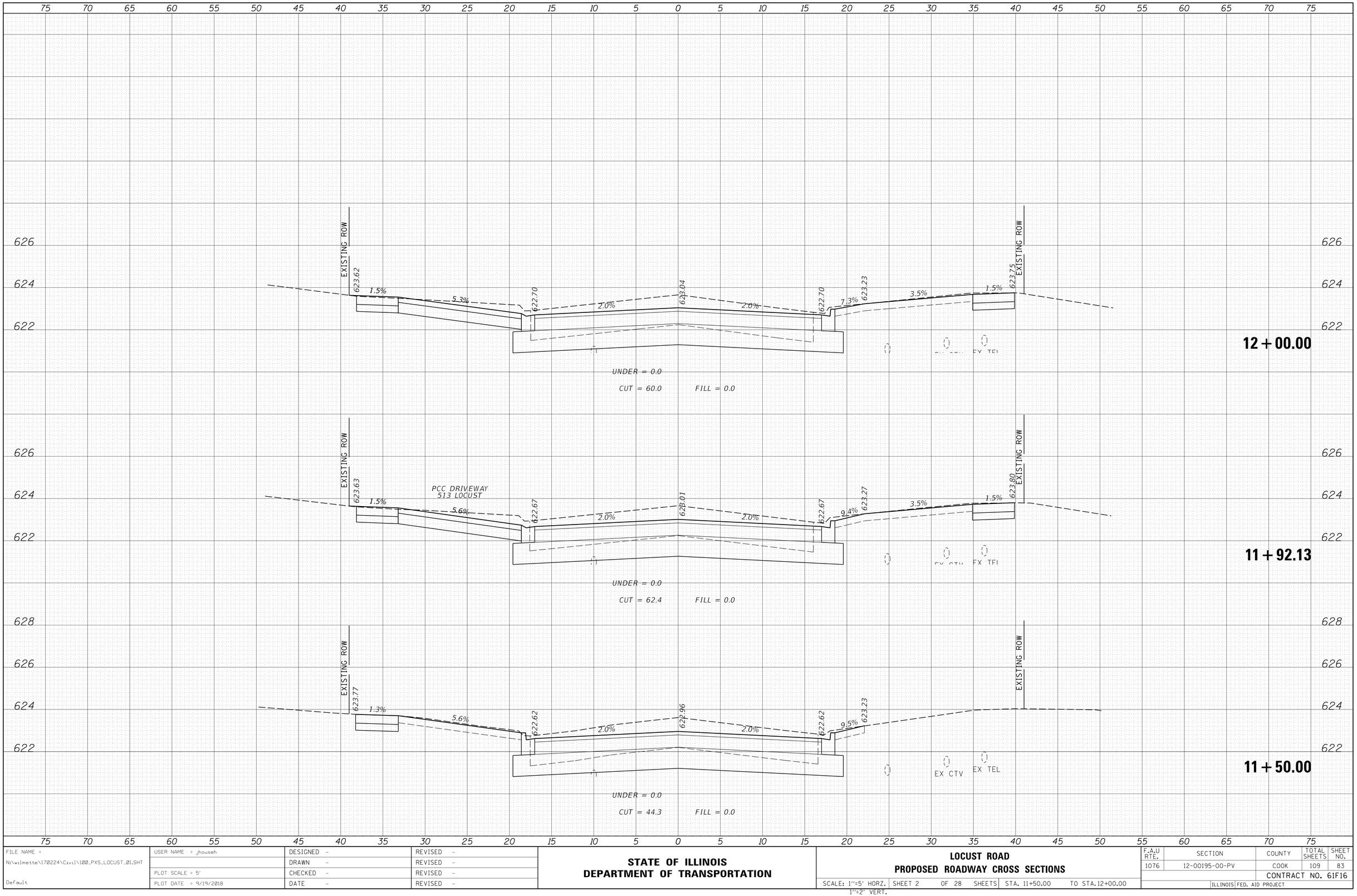

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Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 2 OF 28 SHEETS | STA. 11+50.00 TO STA.12+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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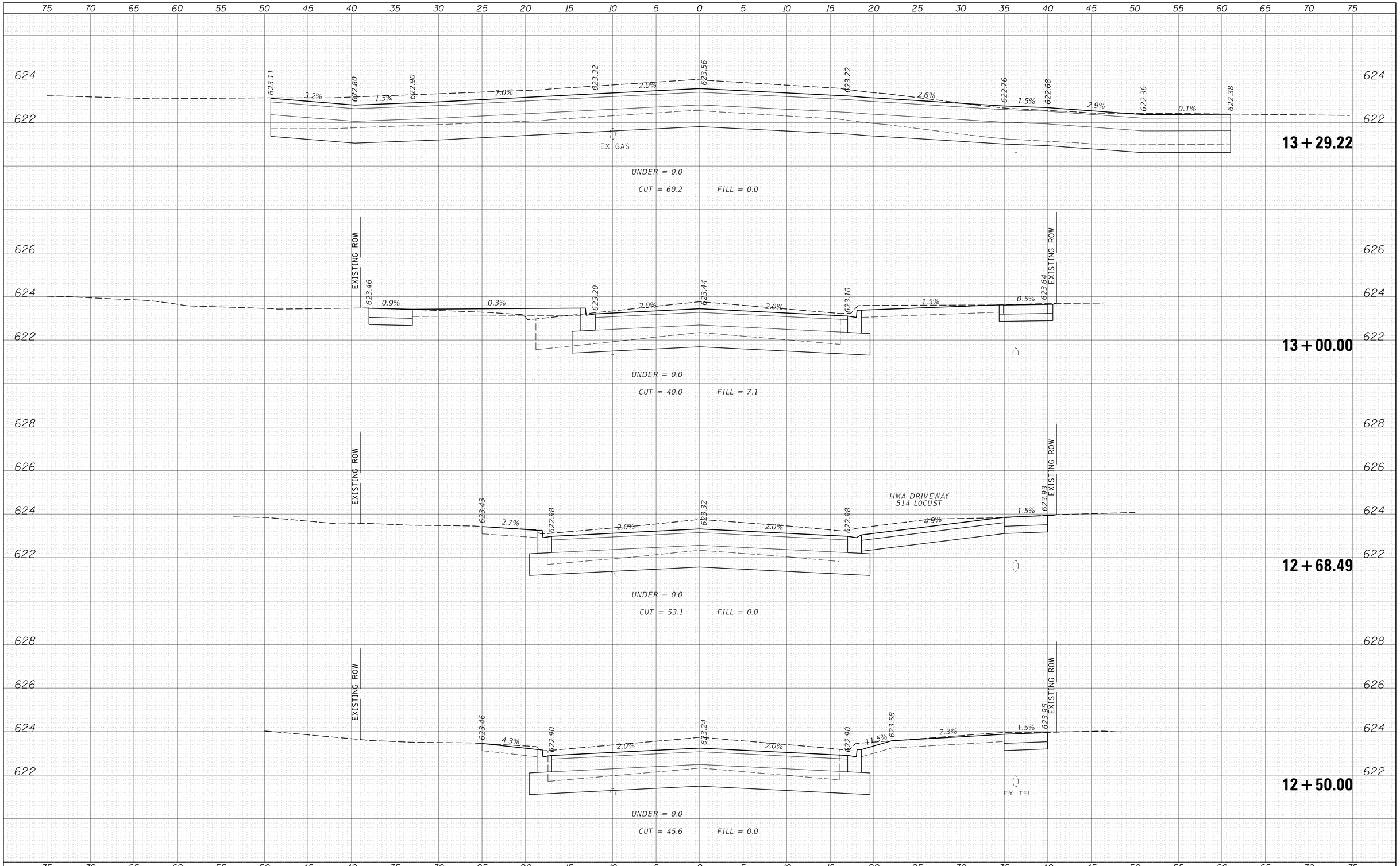
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 3 OF 28 SHEETS | STA. 12+50.00 TO STA.13+29.22

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	84

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT

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

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

628 626 624 622

EXISTING ROW

623.89 3.3% 623.50 2.0% 623.84 2.0% 623.50

PCC DRIVEWAY
530 LOCUST

4.0% 1.5% 624.30

EXISTING ROW

UNDER = 0.0

CUT = 58.4 FILL = 0.0

14 + 00.00

628 626 624 622

EXISTING ROW

623.87 3.1% 623.49 2.0% 623.83 2.0% 623.49

HMA DRIVEWAY
530 LOCUST

4.0% 1.5% 624.28

EXISTING ROW

UNDER = 0.0

CUT = 58.6 FILL = 0.0

13 + 96.71

624 622

622.88 0.4% 3.0% 623.33 3.6% 623.40 2.0% 623.64 2.0% 623.30 3.6% 623.16 3.3% 622.57

UNDER = 0.0

CUT = 61.4 FILL = 10.5

13 + 50.00

624 622

622.96 2.5% 622.73 1.5% 622.83 2.4% 623.34 2.0% 623.58 623.24 2.2% 622.83 1.5% 622.76 2.9% 622.44 0.0% 622.44

EX GAS

UNDER = 0.0

CUT = 60.3 FILL = 0.0

13 + 32.95

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 4 OF 28 SHEETS | STA. 13+32.95 TO STA.14+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	85
		CONTRACT NO. 61F16		
		ILLINOIS FED. AID PROJECT		

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

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

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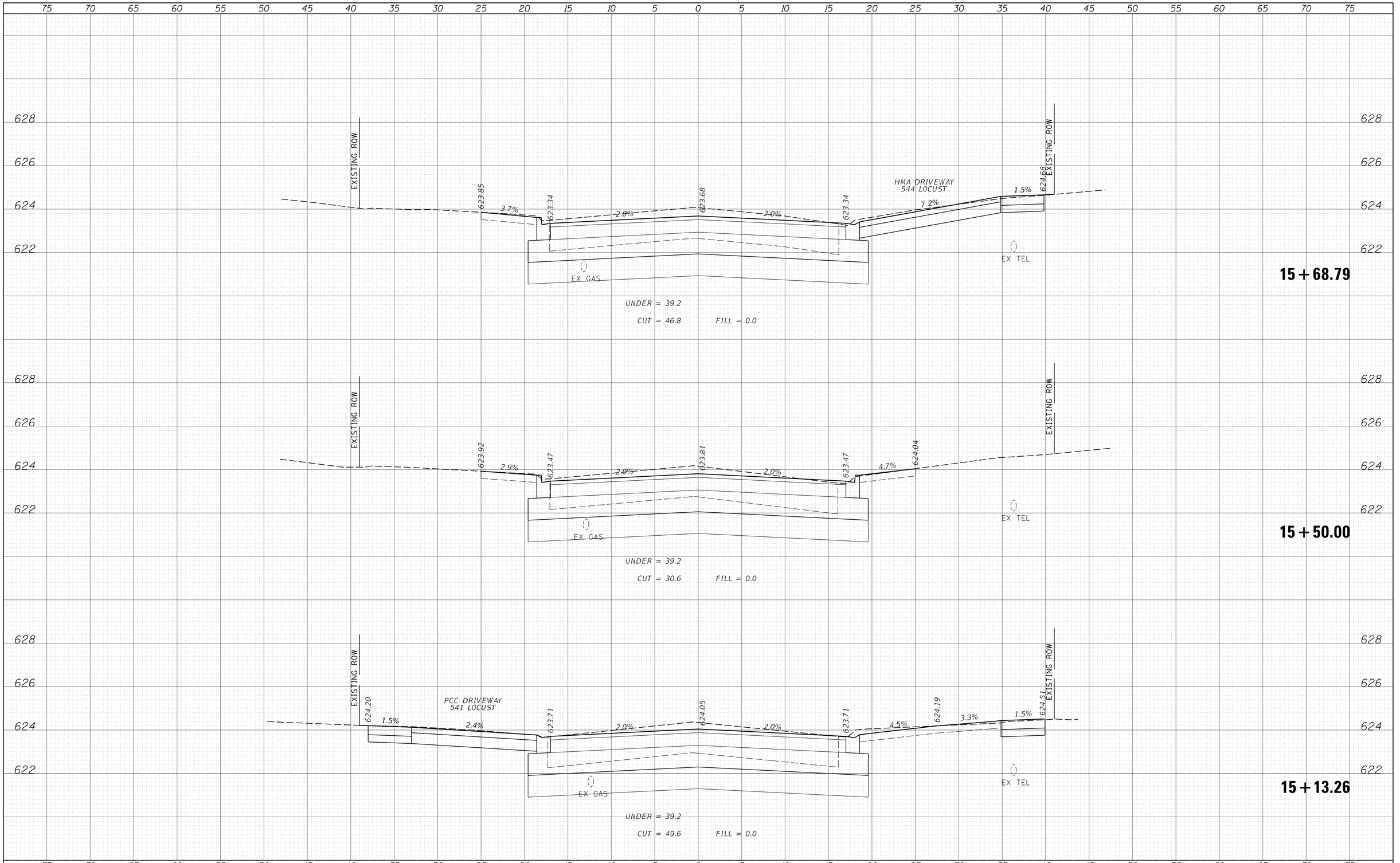
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 5 OF 28 SHEETS | STA. 14+50.00 TO STA. 15+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	86
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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

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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

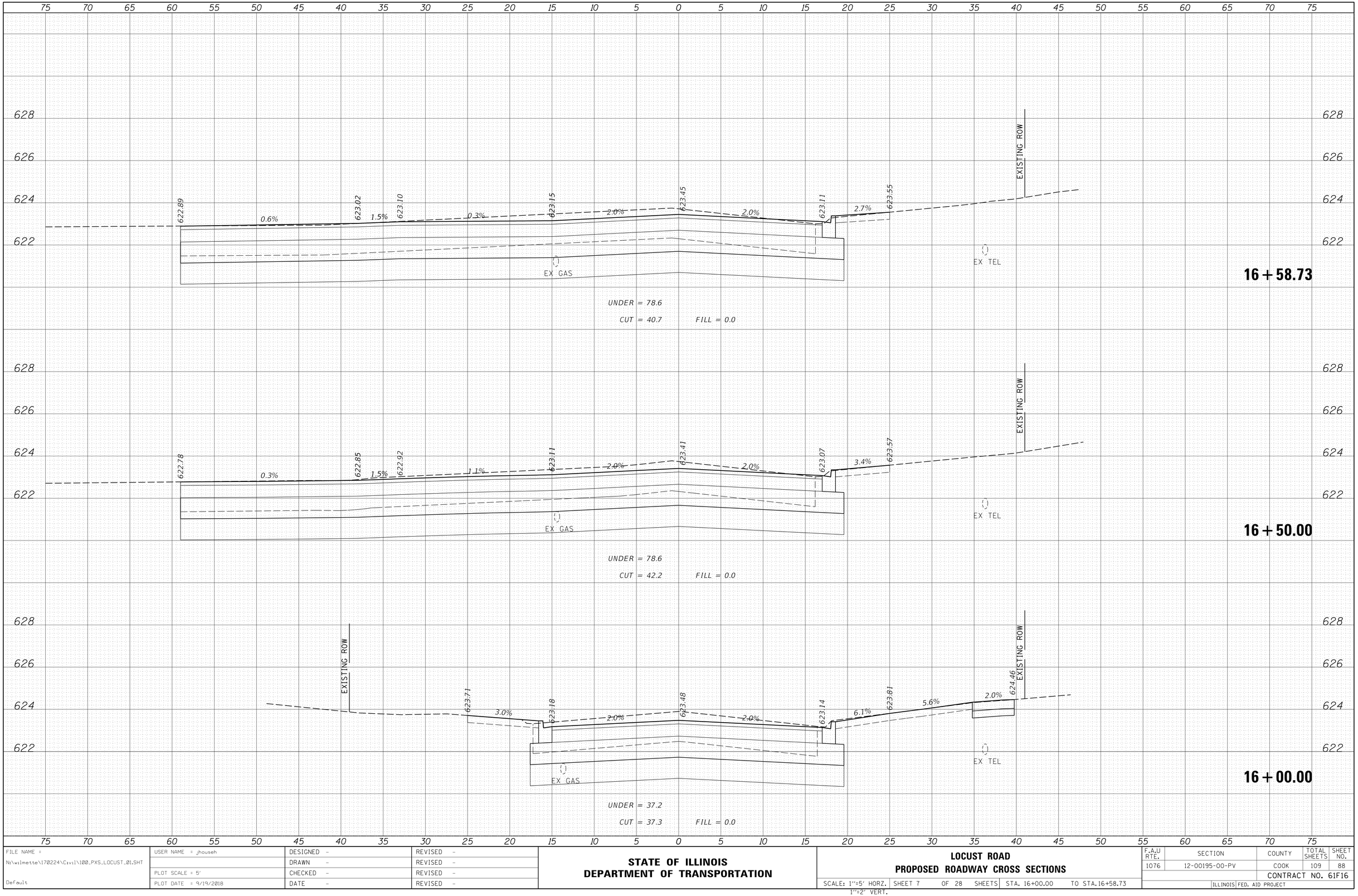
LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 6 OF 28 SHEETS | STA. 15+13.26 TO STA.15+68.79

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	87

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT



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

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

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		DRAWN -	REVISED -
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

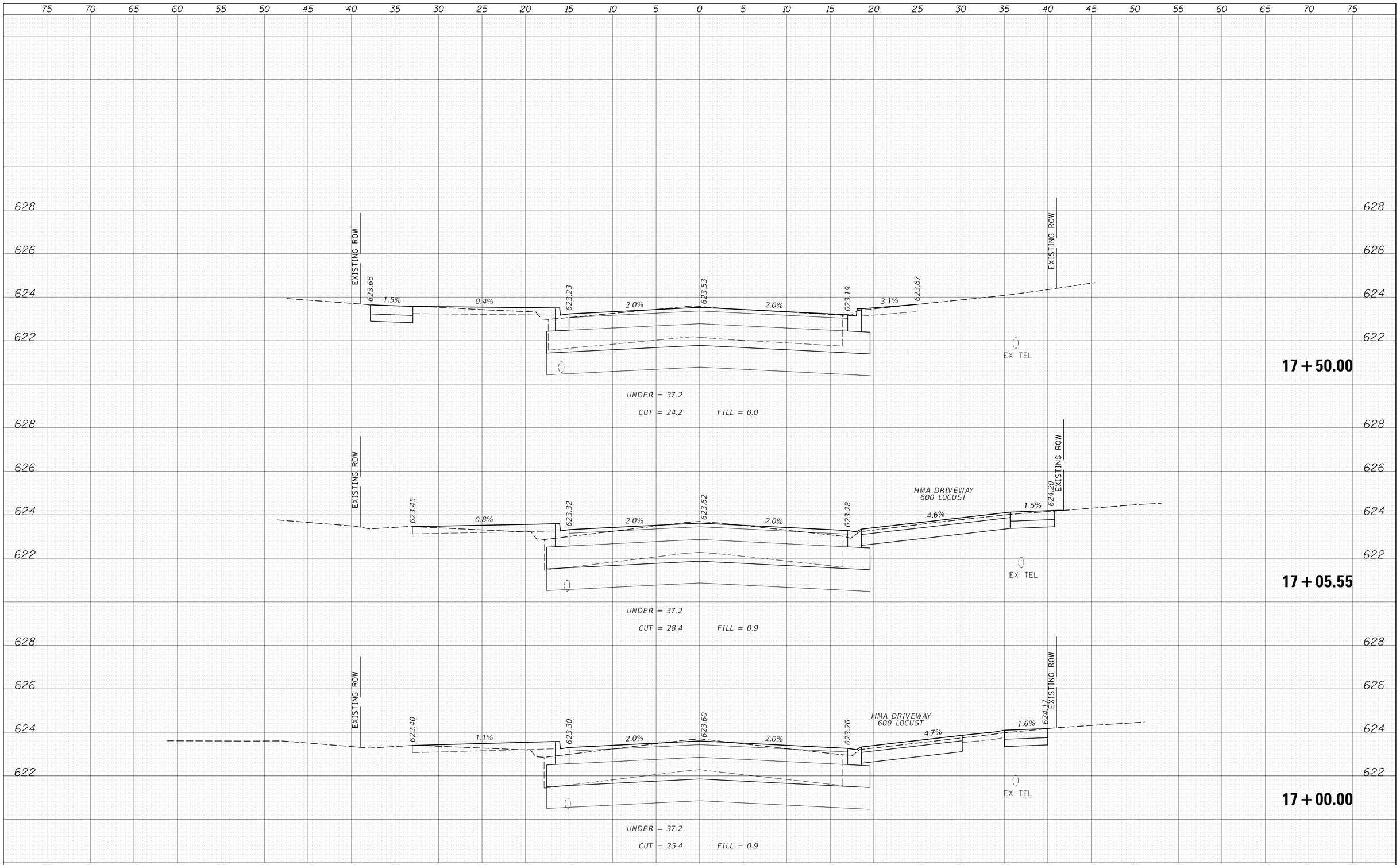
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 7 OF 28 SHEETS | STA. 16+00.00 TO STA.16+58.73

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	88
			CONTRACT NO. 61F16	
		ILLINOIS	FED. AID PROJECT	

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



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	SURVEYED	BY
	PLOTTED	
	TEMPLATE	
	AREAS	DATE
	AREAS CHECKED	

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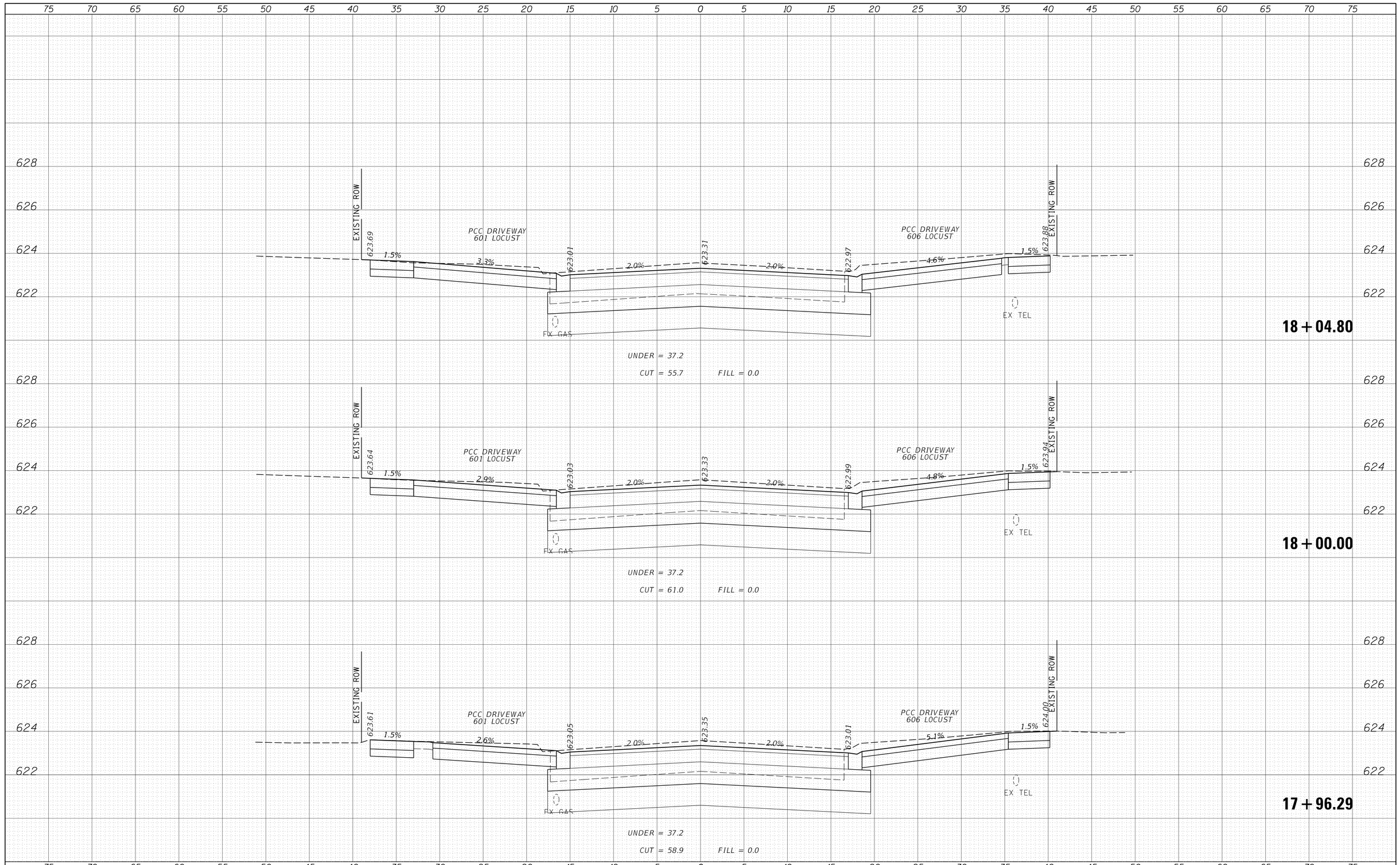
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 8 OF 28 SHEETS | STA. 17+00.00 TO STA.17+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	89
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

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

ORIGINAL SURVEY

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

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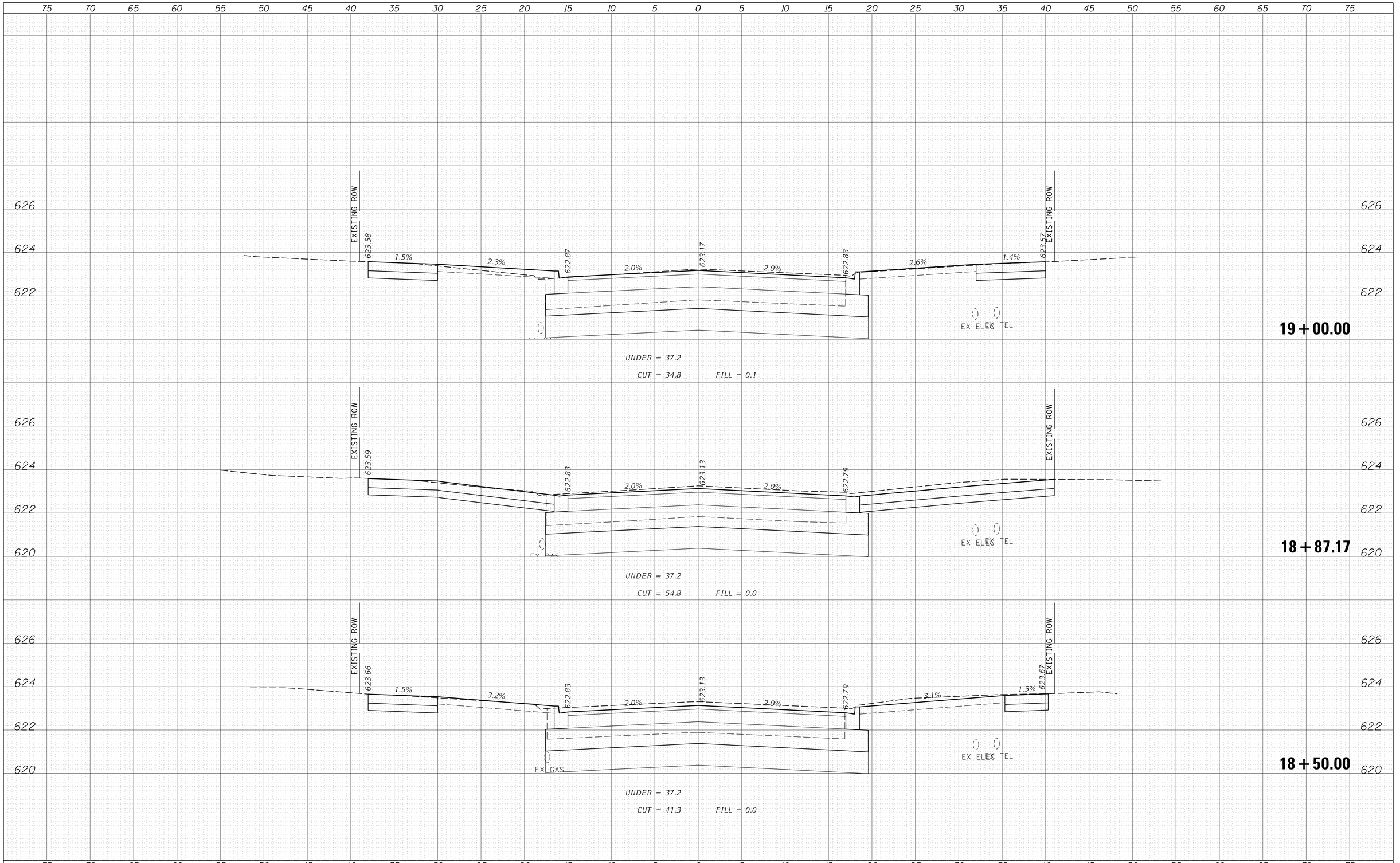
		DRAWN -	REVISED -
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 9 OF 28 SHEETS | STA. 17+96.29 | TO STA. 18+04.80

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	90
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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

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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

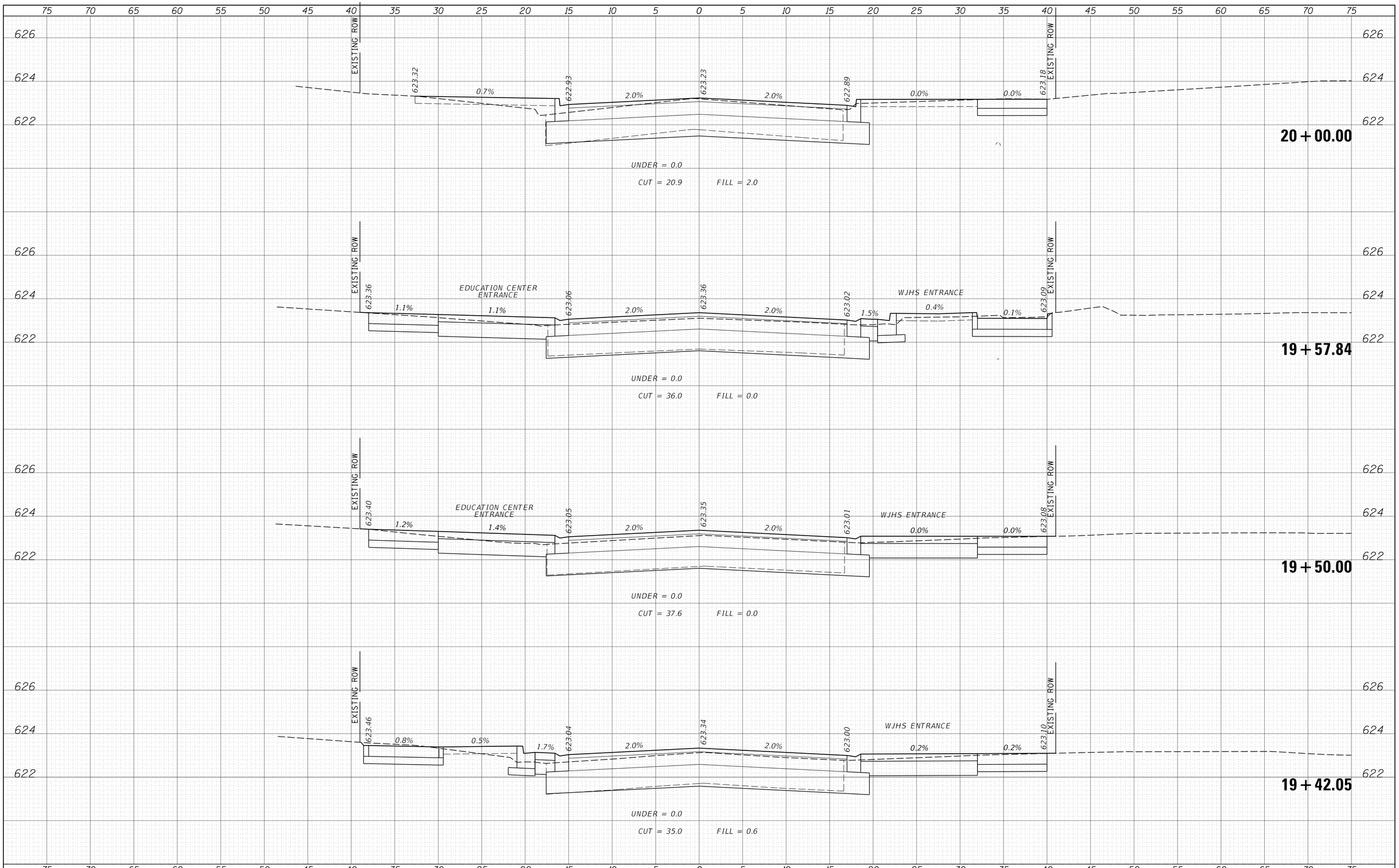
LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 10 OF 28 SHEETS | STA. 18+50.00 TO STA.19+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	91

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT



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

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

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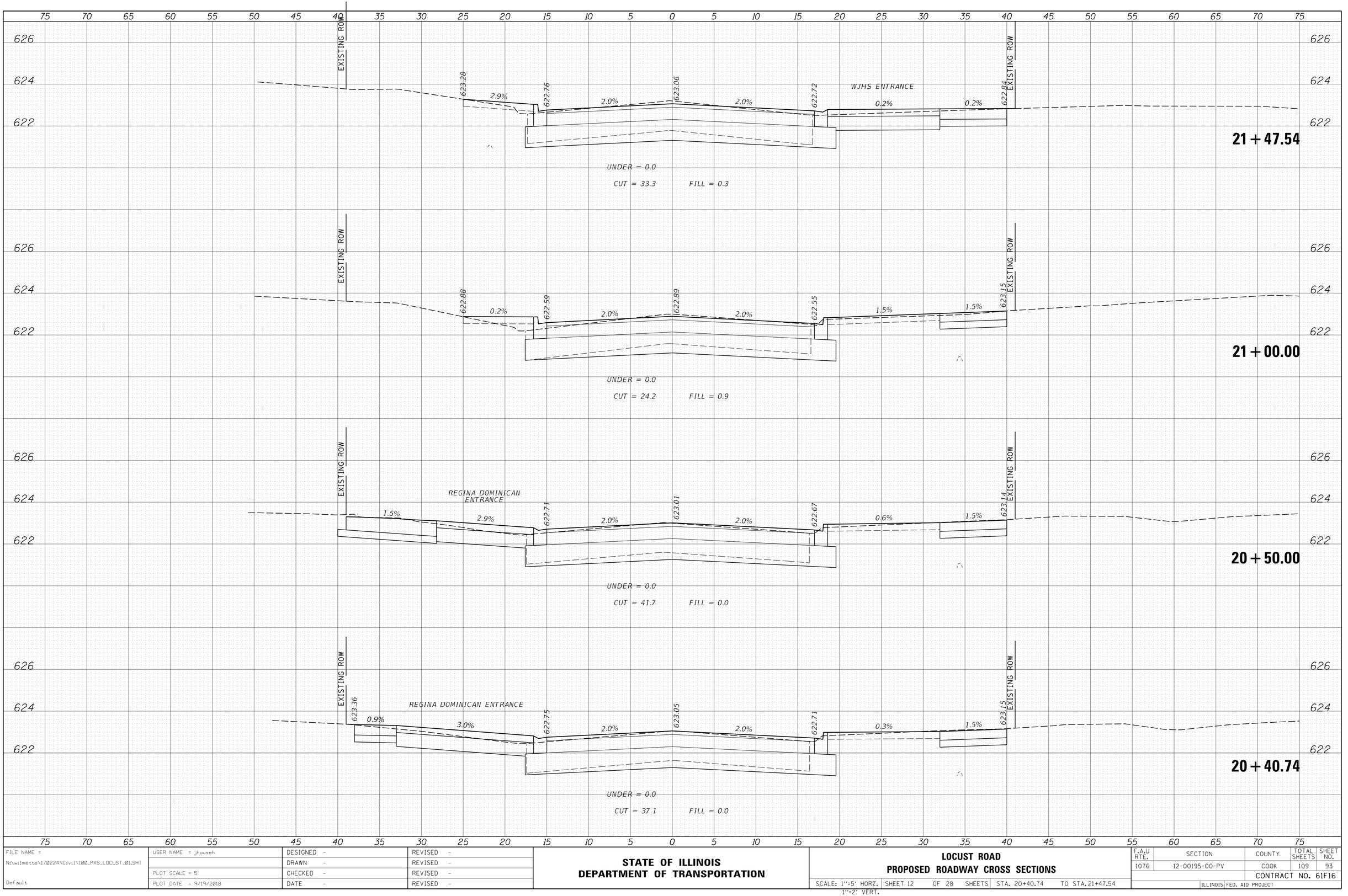
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 11 OF 28 SHEETS | STA. 19+42.05 TO STA. 20+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	92
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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

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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

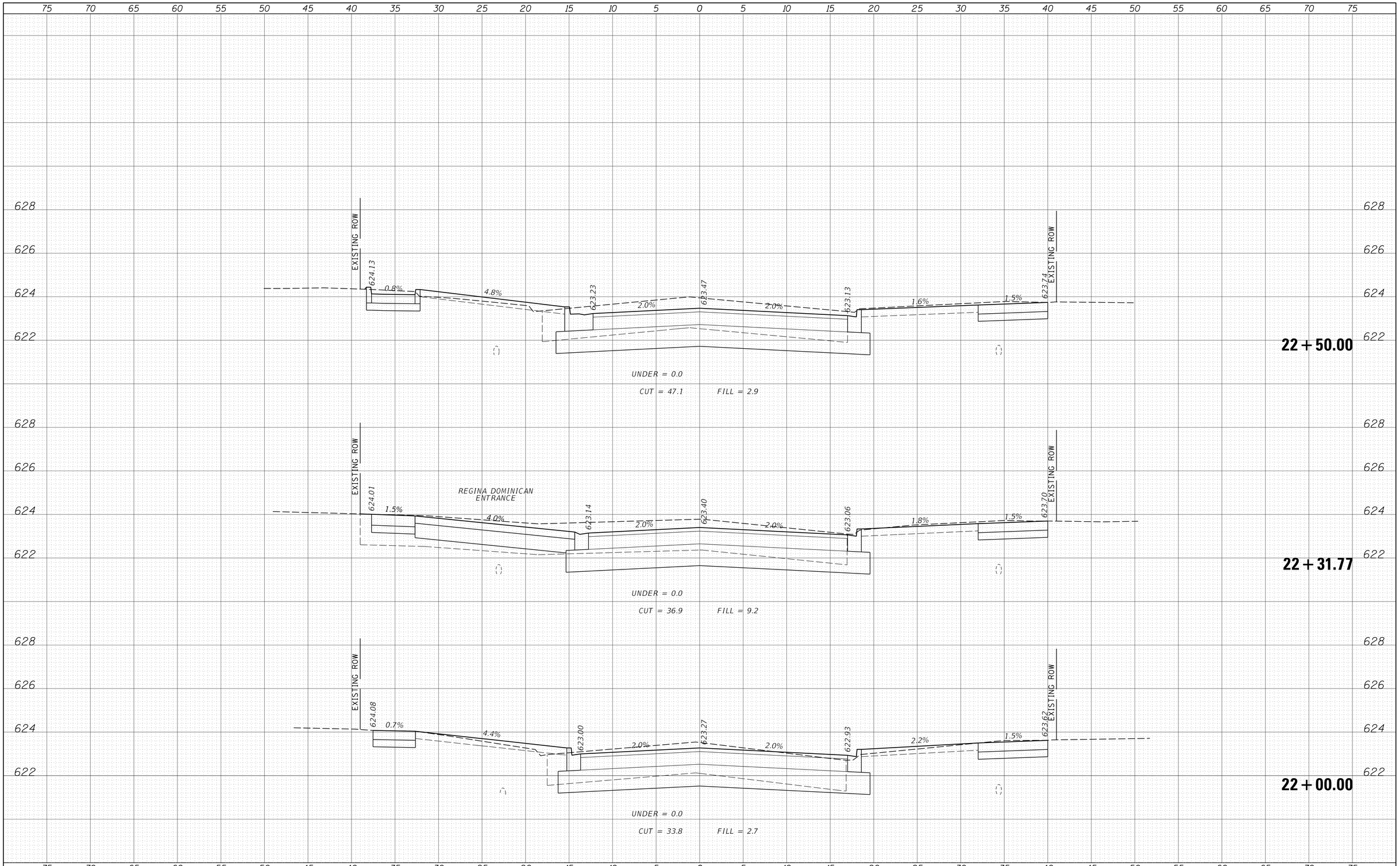
LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 12 OF 28 SHEETS | STA. 20+40.74 TO STA. 21+47.54

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	93

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT



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

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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 13 OF 28 SHEETS | STA. 22+00.00 TO STA. 22+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	94

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT

FINAL SURVEY

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

ORIGINAL SURVEY

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

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Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 14 OF 28 SHEETS | STA. 23+00.00 | TO STA.23+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	95
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

628 626 624 622

EXISTING ROW

623.48 0.9% 623.17 2.0% 623.51 2.0% 623.17 3.6% 1.2% 623.85

EXISTING ROW

UNDER = 0.0

CUT = 31.6 FILL = 0.0

24 + 50.00

EXISTING ROW

623.59 3.0% 623.21 2.0% 623.55 2.0% 623.21 2.7% 1.9% 623.74

EXISTING ROW

UNDER = 0.0

CUT = 31.6 FILL = 0.0

24 + 00.00

EXISTING ROW

624.28 1.5% PCC DRIVEWAY 711 LOCUST 6.3% 623.26 2.0% 623.60 2.0% 623.26 3.0% 1.9% 623.91

EXISTING ROW

UNDER = 0.0

CUT = 45.3 FILL = 0.0

23 + 88.48

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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

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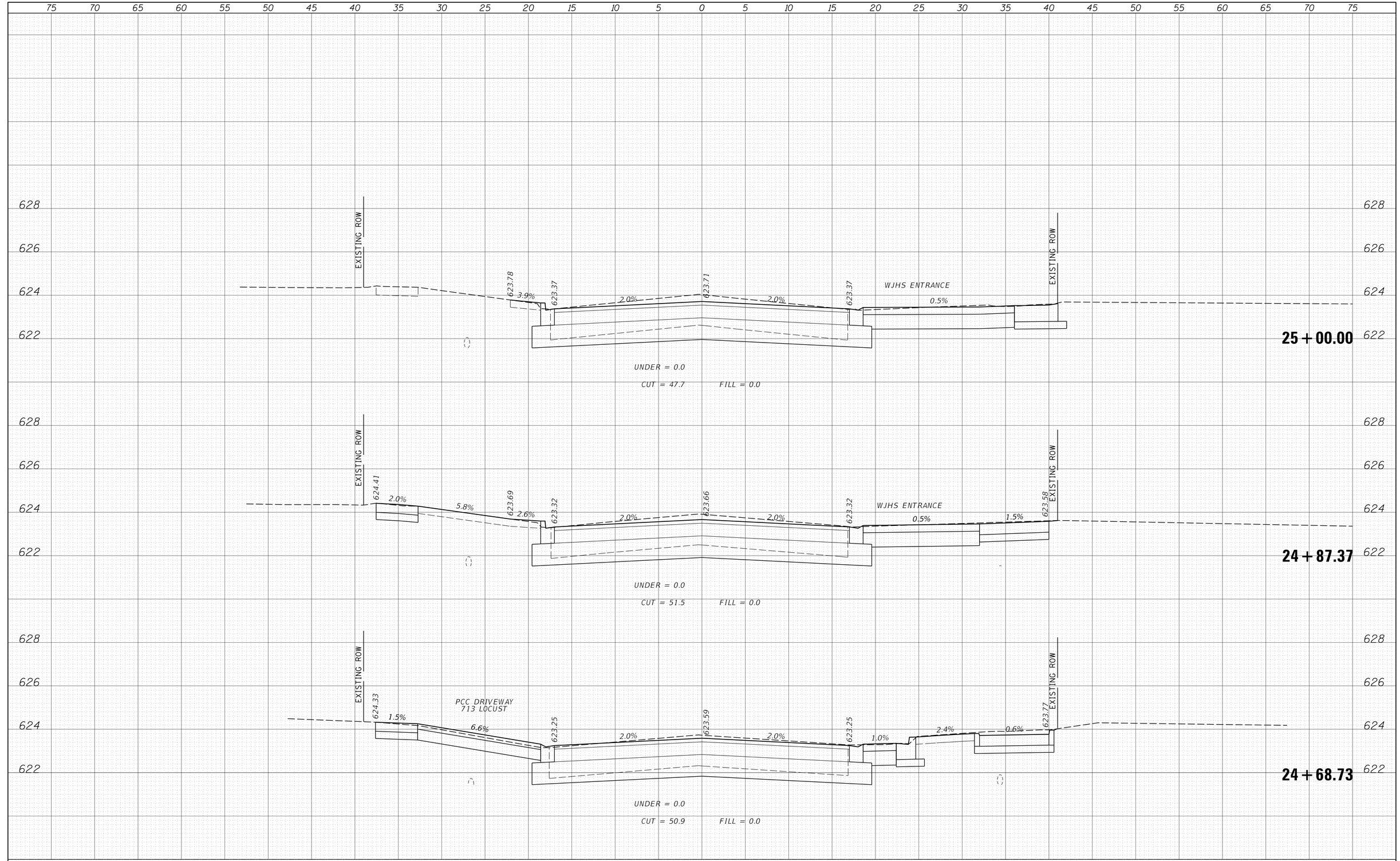
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 15 OF 28 SHEETS | STA. 23+88.48 TO STA.24+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	96
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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

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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 16 OF 28 SHEETS | STA. 24+68.73 TO STA. 25+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	97

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT

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

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

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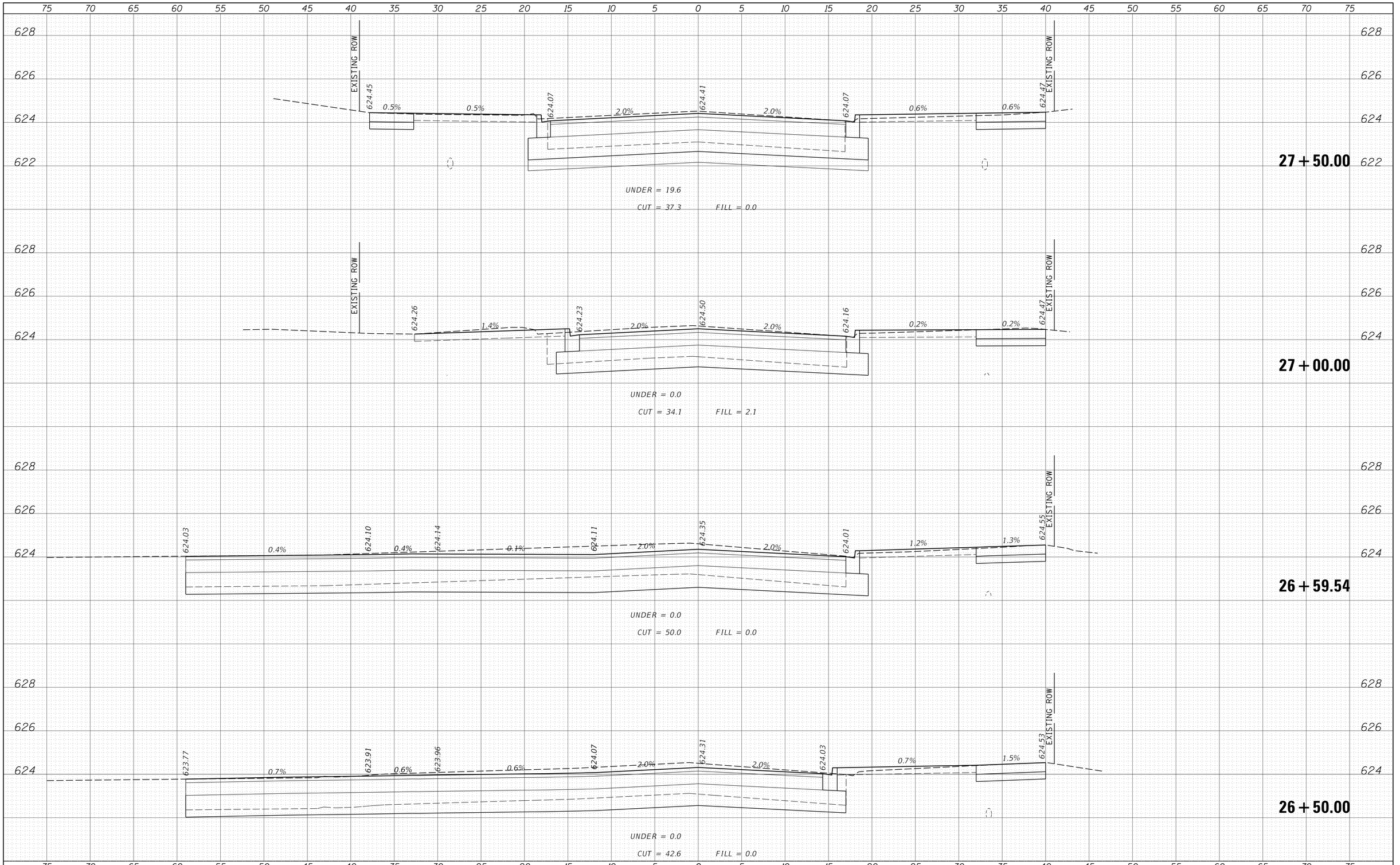
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 17 OF 28 SHEETS | STA. 25+50.00 TO STA. 26+33.02

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	98
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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

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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

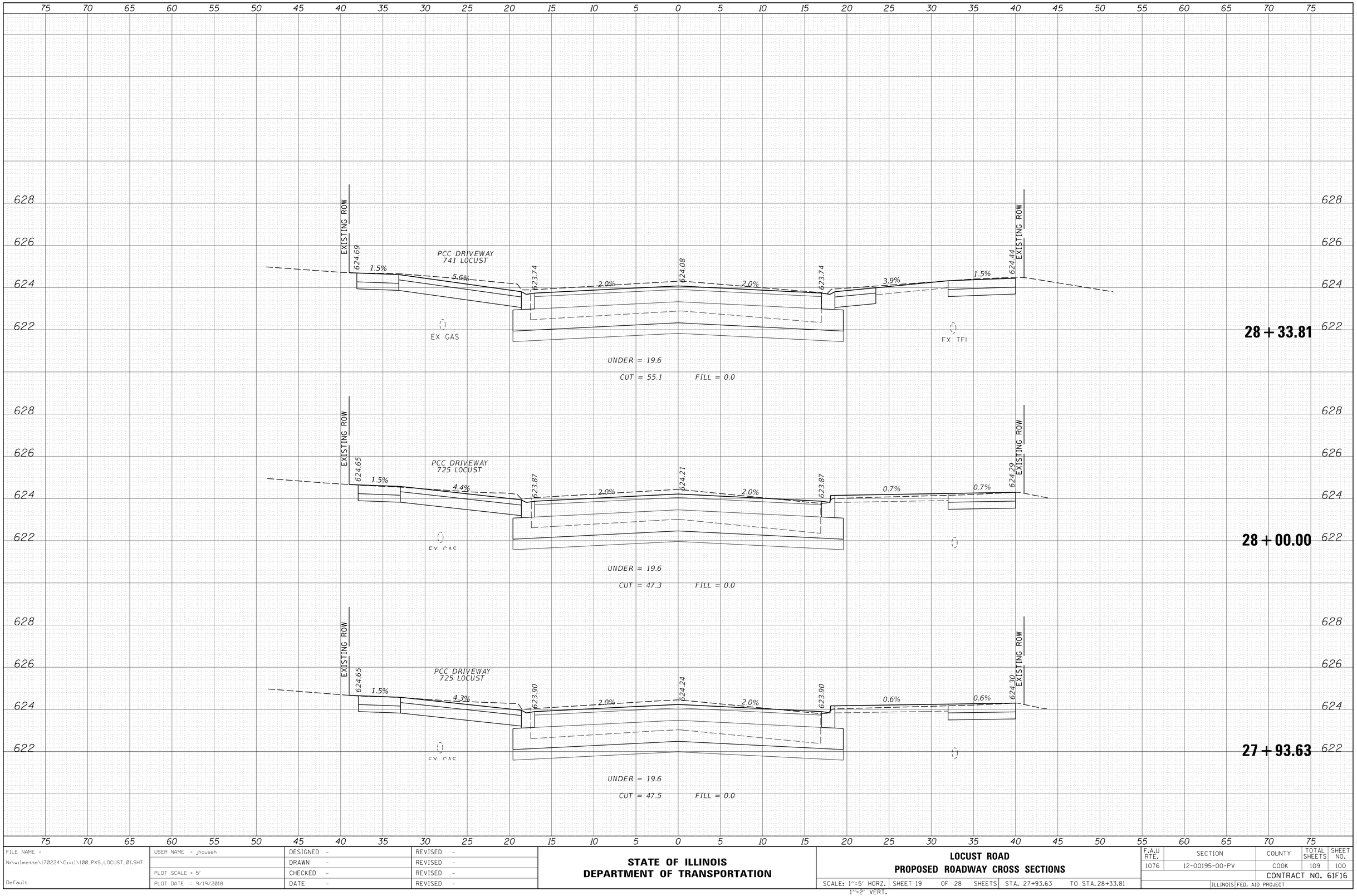
SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 18 OF 28 SHEETS | STA. 26+50.00 TO STA. 27+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	99

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT

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



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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

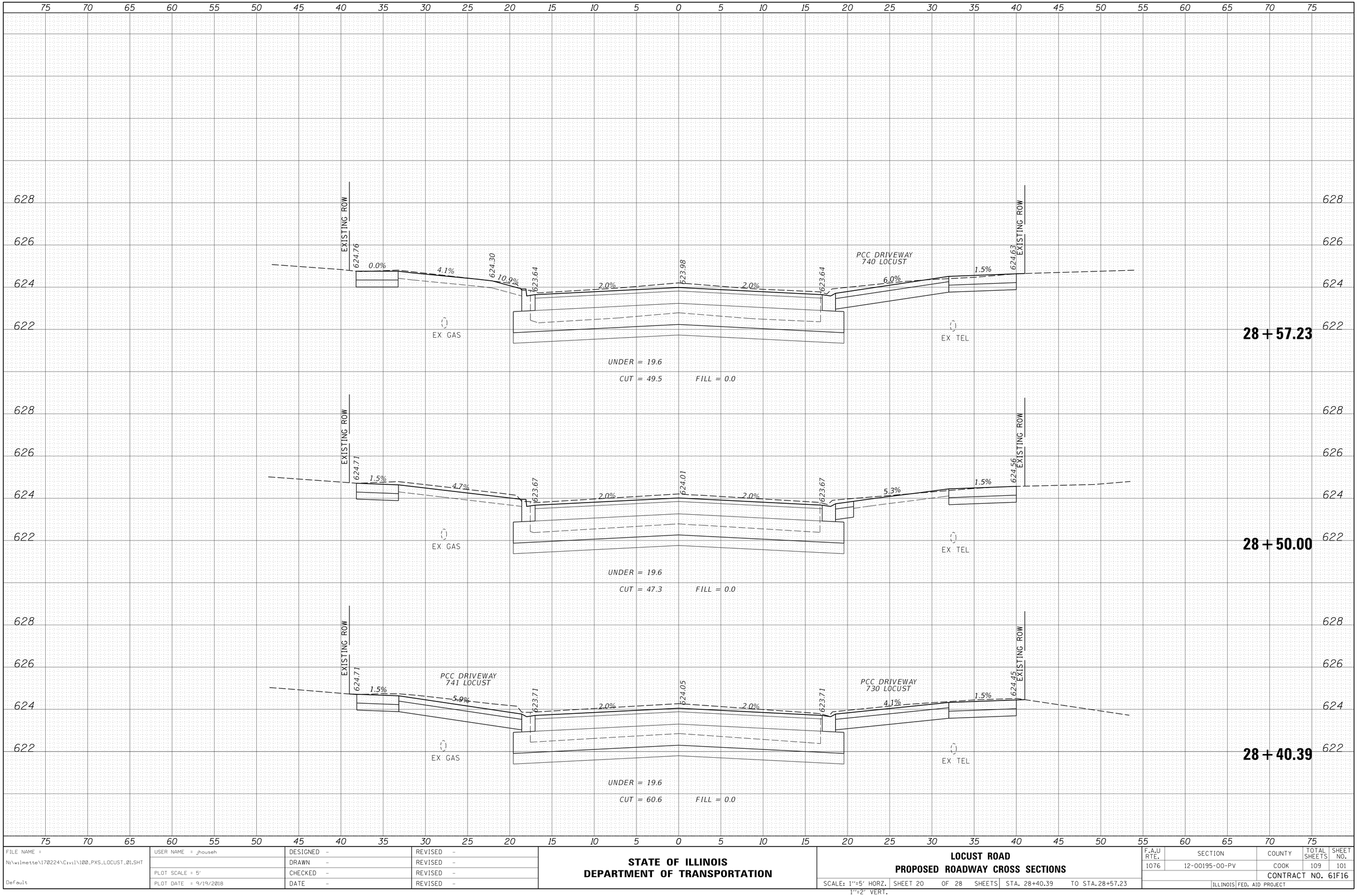
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 19 OF 28 SHEETS | STA. 27+93.63 | TO STA. 28+33.81

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	100
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

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



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

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Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 20 OF 28 SHEETS | STA. 28+40.39 TO STA.28+57.23

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	101
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

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

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

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		DRAWN -	REVISED -
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 21 OF 28 SHEETS | STA. 29+00.00 TO STA. 29+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	102
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

628 626 624 622

624.09 1.0% 4.3% 624.39 0.9% 624.18 2.0% 624.49 2.0% 624.15 3.3% 1.5% 624.78 EXISTING ROW

PCC DRIVEWAY
746 LOCUST

EX TEL

30 + 00.00

UNDER = 19.1

CUT = 56.3 FILL = 6.8

628 626 624 622

623.76 0.4% 623.84 1.3% 623.91 1.4% 624.13 2.0% 624.47 2.0% 624.13 4.0% 1.5% 624.85 EXISTING ROW

PCC DRIVEWAY
746 LOCUST

EX TEL

29 + 91.50

UNDER = 39.3

CUT = 58.9 FILL = 0.0

628 626 624 622

623.96 0.3% 624.03 0.3% 624.05 0.3% 624.09 2.0% 624.43 2.0% 624.09 4.7% 1.5% 624.91 EXISTING ROW

PCC DRIVEWAY
746 LOCUST

EX TEL

29 + 81.72

UNDER = 39.3

CUT = 62.7 FILL = 0.0

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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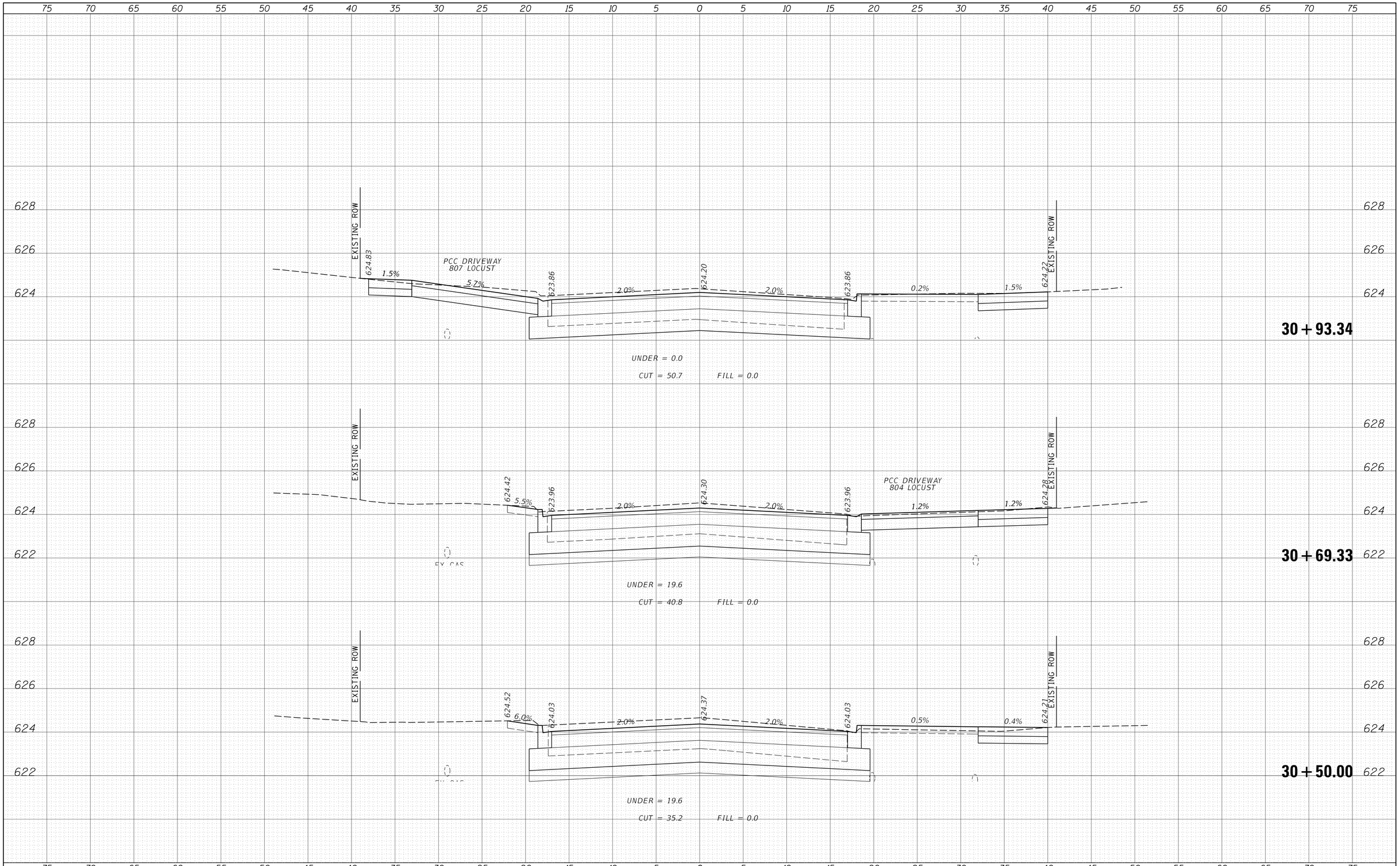
		DRAWN -	REVISED -
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 22 OF 28 SHEETS | STA. 29+81.72 TO STA. 30+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	103
			CONTRACT NO. 61F16	
		ILLINOIS	FED. AID PROJECT	



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

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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

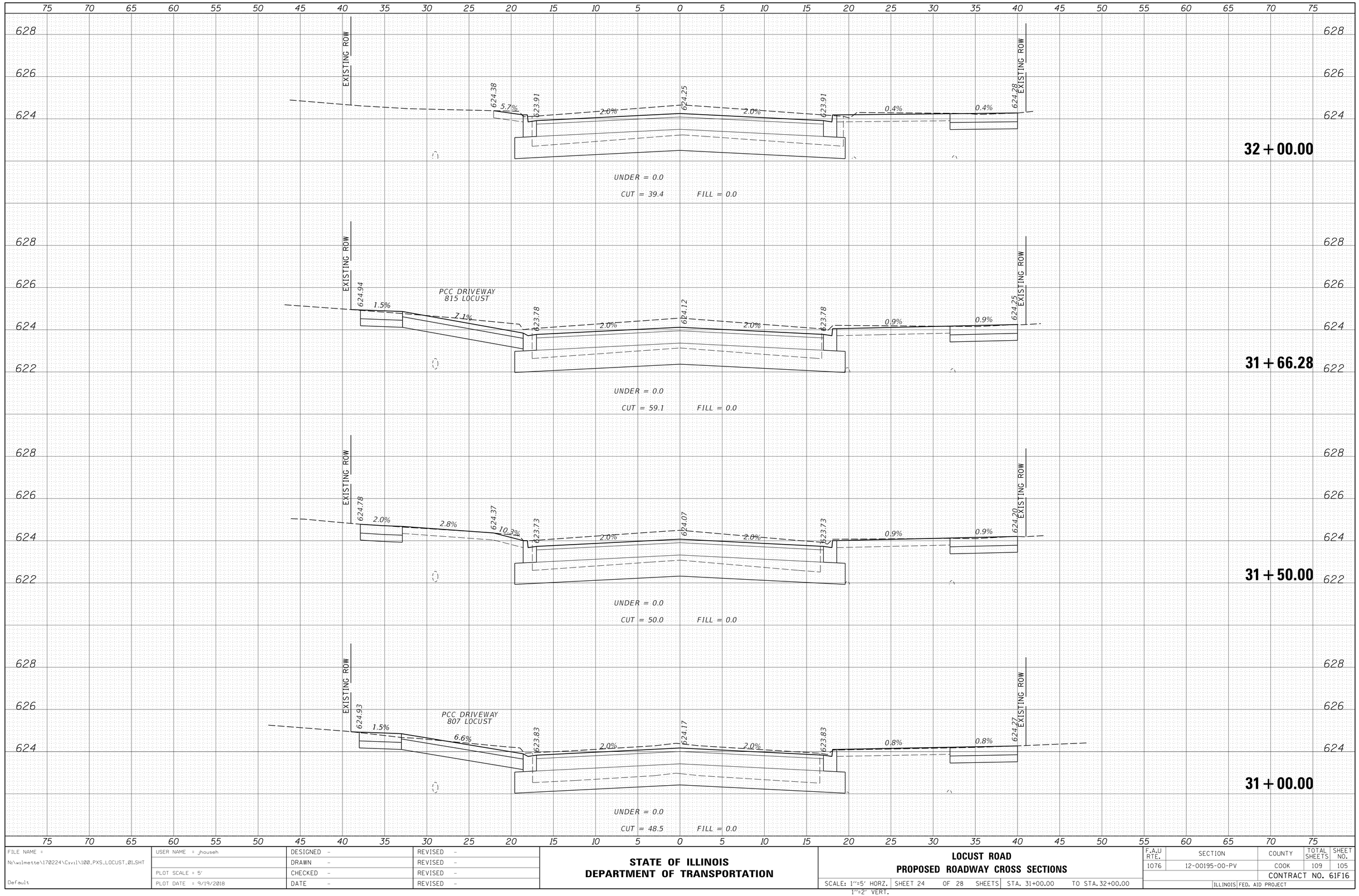
LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 23 OF 28 SHEETS | STA. 30+50.00 TO STA. 30+93.34

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	104

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT



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

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

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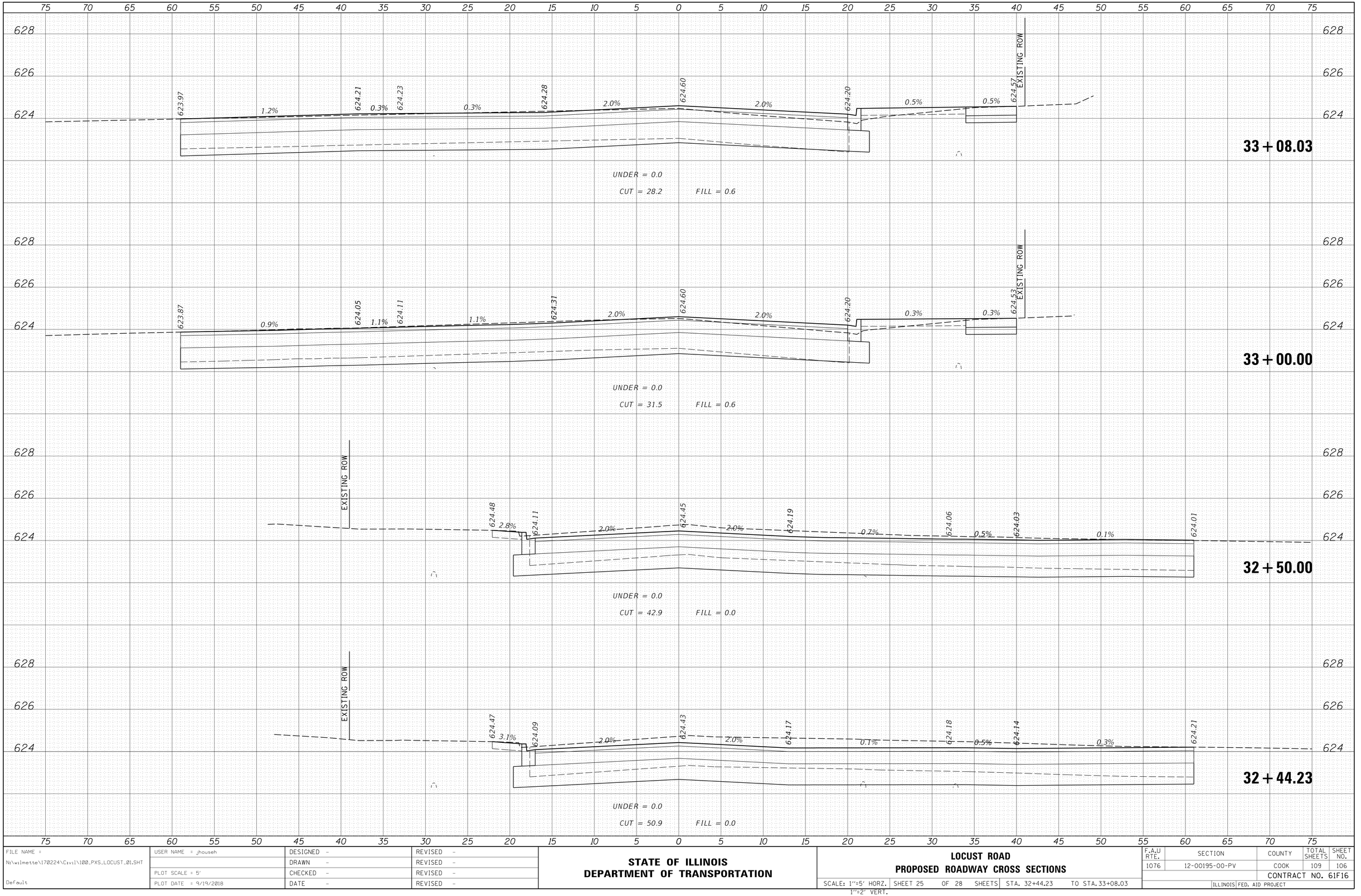
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 24 OF 28 SHEETS | STA. 31+00.00 TO STA. 32+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	105
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = N:\wilmette\170224\Civil\100_PXS_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 5'	CHECKED -	REVISED -
Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 25 OF 28 SHEETS | STA. 32+44.23 | TO STA. 33+08.03

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	106
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE

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

BY	DATE

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

628 626 624 622

EXISTING ROW

624.38

0.3% 1.5% 2.0% 2.0% 3.3% 1.5%

623.85 624.25 623.85 624.63

EXISTING ROW

EX GAS

EX TEL

UNDER = 45.2

CUT = 28.1 FILL = 0.0

34 + 00.00

628 626 624 622

EXISTING ROW

624.34

2.0% 1.5% 2.0% 2.0% 6.0% 1.5%

623.94 624.34 623.94 624.82

EXISTING ROW

BRICK PAVER DRIVEWAY
820 LOCUST

EX GAS

EX TEL

UNDER = 45.2

CUT = 34.5 FILL = 0.0

33 + 77.82

628 626 624 622

EXISTING ROW

624.28

0.3% 0.3% 2.0% 2.0% 2.8% 1.5%

624.05 624.45 624.05 624.77

EXISTING ROW

EX GAS

EX TEL

UNDER = 45.2

CUT = 22.5 FILL = 0.4

33 + 50.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME = N:\wilmette\170224\Civil\100_PXS_LOCUST_01.SHT	USER NAME = jhouseh	DESIGNED -	REVISED -
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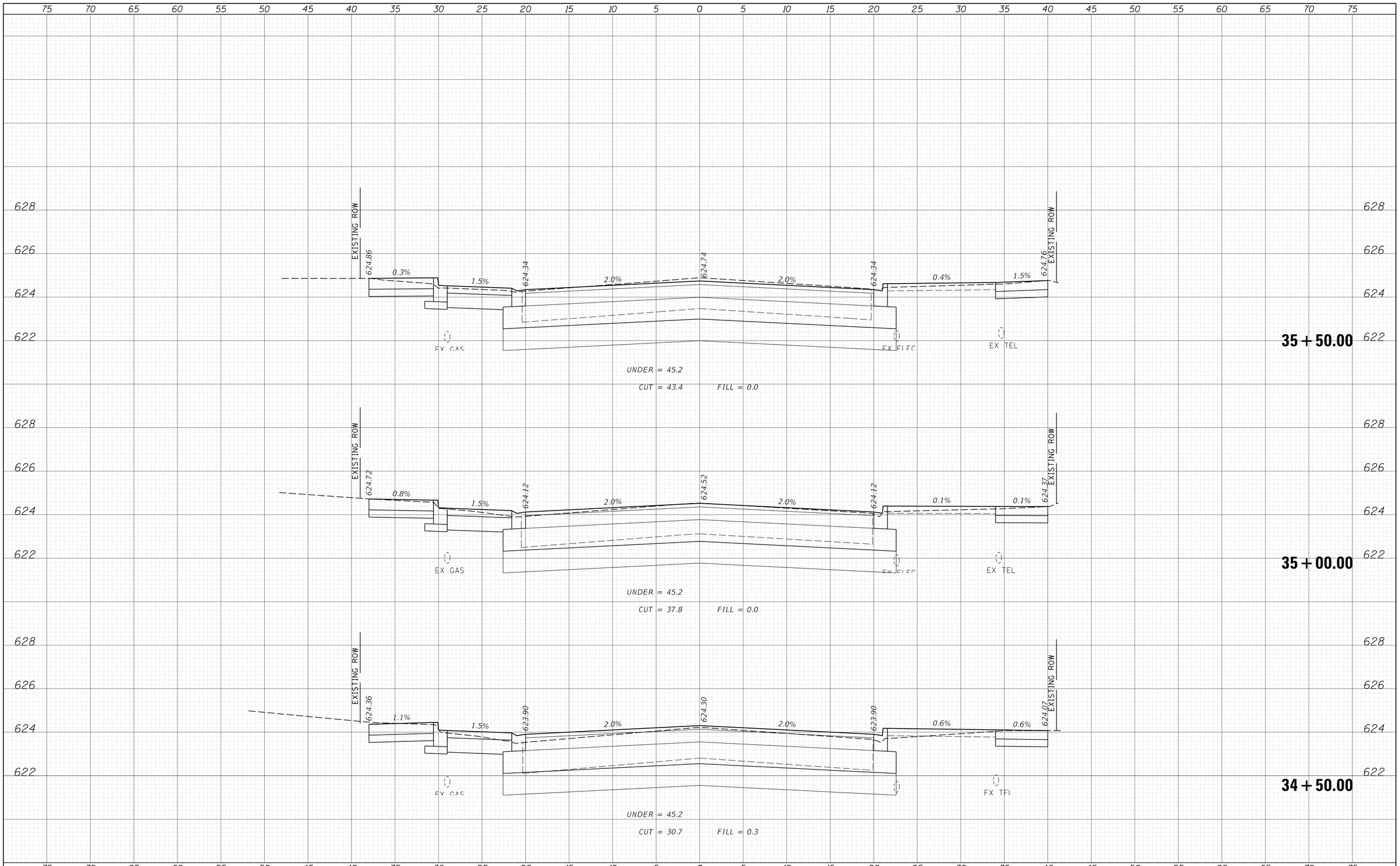
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 26 OF 28 SHEETS | STA. 33+50.00 | TO STA. 34+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	107
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			



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

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

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Default	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 27 OF 28 SHEETS | STA. 34+50.00 TO STA. 35+50.00

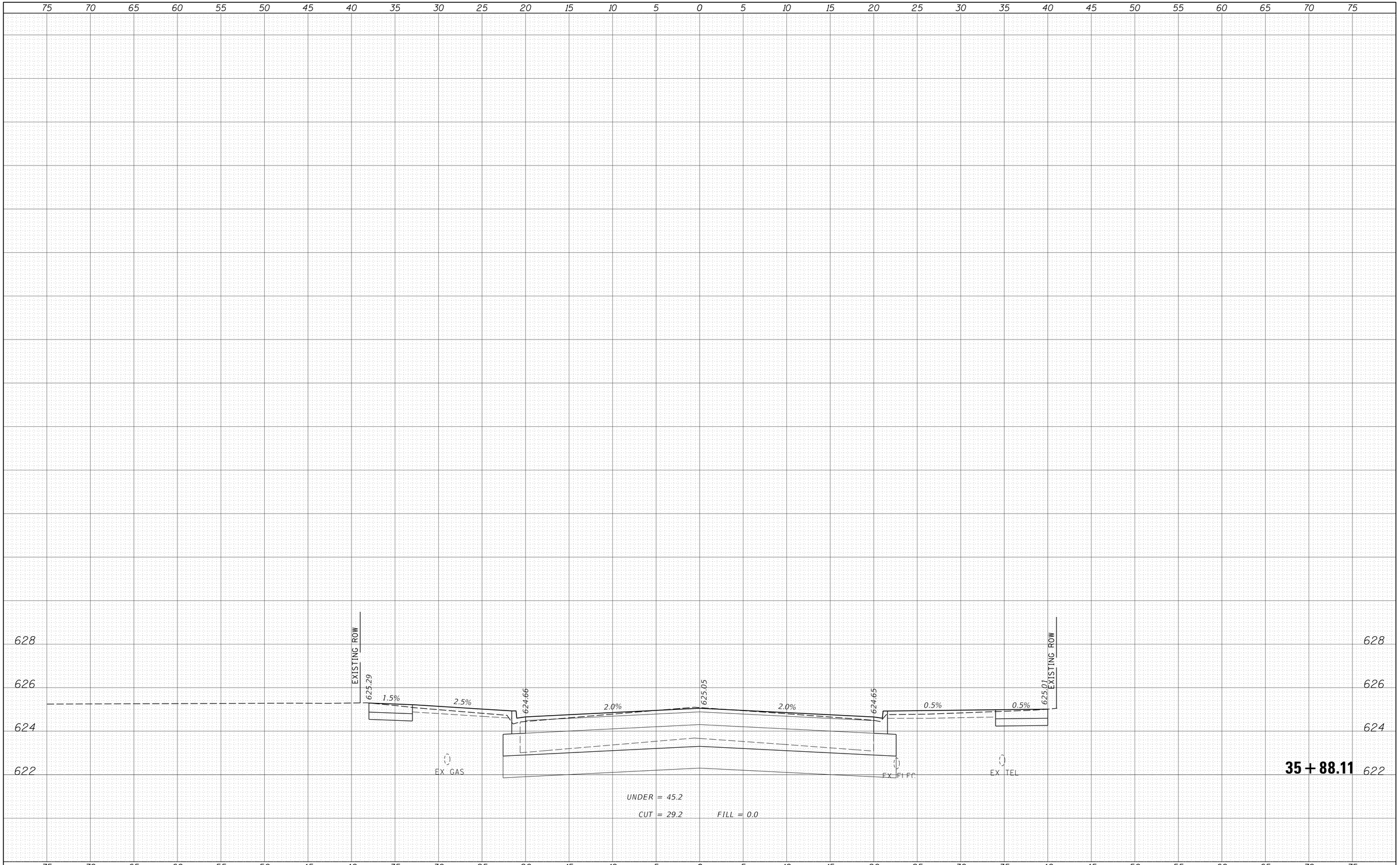
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	108

CONTRACT NO. 61F16

ILLINOIS FED. AID PROJECT

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

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



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Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 9/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCUST ROAD
PROPOSED ROADWAY CROSS SECTIONS

SCALE: 1"=5' HORZ. 1"=2' VERT. | SHEET 28 OF 28 SHEETS | STA. 35+88.11 | TO STA. 35+88.11

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1076	12-00195-00-PV	COOK	109	109
		CONTRACT NO. 61F16		
	ILLINOIS FED. AID PROJECT			