11-21-14 LETTING ITEM 01X

FOR INDEX OF SHEETS, SEE SHEET NO.2

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	497	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 61A63		

497 + 1 = 498

HIGHWAY CLASSIFICATION

PRINCIPAL ARTERIAL

WASHINGTON STREET TRAFFIC DATA

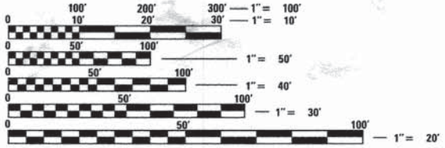
2009 ADT = 16,300
2030 ADT = 18,000
POSTED SPEED = 40 MPH
DESIGN SPEED = 45 MPH

PROJECT DESCRIPTION

THE PROPOSED IMPROVEMENT CONSISTS OF THE WIDENING AND RECONSTRUCTION OF WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET INCLUDING A GRADE SEPARATION AT THE WCL RAILROAD, A NEW STORM SEWER SYSTEM AND PEDESTRIAN ACCOMMODATIONS.

PROJECT LOCATED IN VILLAGE OF GRAYSLAKE

VOLUME 1 OF 2



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

PLANS PREPARED BY:
PATRICK ENGINEERING INC.

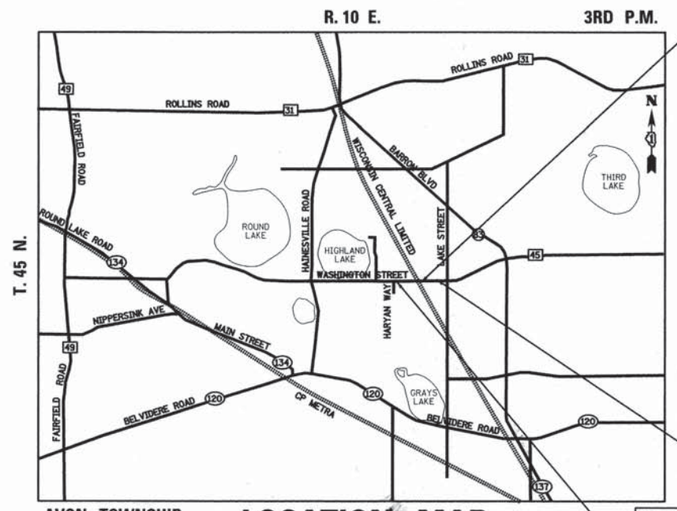
CONTRACT NO. 61A63

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 187 (WASHINGTON STREET)
HARYAN WAY TO LAKE STREET
ROADWAY RECONSTRUCTION AND GRADE SEPARATION
SECTION 11-00121-11-BR
PROJECT NO. CMM-9003(923)
LAKE COUNTY
C-91-181-12

LOCATION OF SECTION INDICATED THUS:-



AVON TOWNSHIP

LOCATION MAP N.T.S.

GROSS LENGTH = 1,994.47 FEET = 0.38 MILE
NET LENGTH = 1,994.47 FEET = 0.38 MILE

WCL RAIL BRIDGE
SN: 049-3006
STA. 116 + 23.24

PROJECT ENDS
STA. 124 + 69.47
(MOT LIMIT 143 + 00.00)

PROJECT BEGINS
STA. 104 + 75.00
(MOT LIMIT 97 + 22.00)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved Paula J. Trigg July 3, 2014
LAKE COUNTY, COUNTY ENGINEER

Passed July 17, 2014 Christopher Holt
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

Releasing for Bid Based on Limited Review July 17 2014 John Fortmann
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PATRICK ENGINEERING INC.	PATRICK ENGINEERING INC.	PATRICK ENGINEERING INC.	PATRICK ENGINEERING INC.	PATRICK ENGINEERING INC.	BOLLINGER, LACH & ASSOCIATES, INC.	CDM SMITH INC.	TESKA ASSOCIATES, INC.
MICHAEL J. PINE, P.E. 7/2/2014	SARAH L. CZAPLICKI, S.E. 7/2/2014	GARY GOODHEART, P.E. 7/2/2014	STEPHEN P. HEATH, P.E. 7/2/2014	DONALD E. FREESTON, P.E.	ERIK R. OLSON, P.E.	BRANDON J. CELAYA, P.E. 7/2/2014	JODI Z. MARIANO, PLA, ASLA
NO. 062-062776	NO. 081-006191	NO. 062-055909	NO. 062-035690	NO. 062-059453	NO. 062-054976	NO. 062-063159	NO. 157-001062
EXP. DATE: 11/30/15	EXP. DATE: 11/30/14	EXP. DATE: 11/30/15	EXP. DATE: 11/30/15	EXP. DATE: 11/30/15	EXP. DATE: 11/30/15	EXP. DATE: 11/30/15	EXP. DATE: 8/31/15
APPLY TO DRAWINGS: 1-13, 17-69, 177-180, 353-496	APPLY TO DRAWINGS: 140-143, 200-217, 229-255	APPLY TO DRAWINGS: 70-128, 136	APPLY TO DRAWINGS: 256-309	APPLY TO DRAWINGS: 137-139, 144-149	APPLY TO DRAWINGS: 14-16, 134-135, 151-176, 181-199	APPLY TO DRAWINGS: 129-133	APPLY TO DRAWINGS: 150, 218-228

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FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, PE, PTOE 847-705-4021

INDEX OF SHEETS

IDOT DISTRICT 1 HIGHWAY STANDARDS

STANDARD NO.	ITEM DESCRIPTION
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BD08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD32	BUTT JOINT AND HMA TAPER DETAILS
BD37	MANHOLE TYPE A 7 FOOT DIAMETER
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

LCDOT HIGHWAY STANDARDS

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LC2051	PERIMETER EROSION BARRIER INSTALLATION
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LC4800	TRANSITION FROM AGGREGATE SHOULDER TO B-6.24 FOR 16' OFFSET TO FACE
LC5400	TREE PRESERVATION WITH STORM SEWER IN UNCURBED AREAS
LC5401	TYPICAL PLACEMENT OF PRECAST END SECTIONS ON CROSSROAD CULVERTS
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LC7000	MODIFIED STANDARD 701011 TWO LANE, TWO WAY, OFF-ROAD OPERATIONS DAY OPERATIONS ONLY
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LC7004	MODIFIED DISTRICT 1 STANDARD TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
LC7005	TYPICAL LANE CLOSURE 3 LANE ROAD SECTION
LC7200	DIRECTION INDICATOR BARRICADES
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LC7203	WORK ZONE SPEED LIMIT SIGNING DIAGRAM
LC7800	TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS
LC7802	SHORT TERM PAVEMENT MARKINGS
LC7803	TYPICAL PAVEMENT MARKINGS FOR RAILROAD CROSSINGS ON COUNTY HIGHWAYS
LC7805	RECESSED REFLECTIVE PAVEMENT MARKER
LC8502	RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM
LC8600	TYPICAL DETECTOR LOOP LAYOUTS
LC8900	VIDEO DETECTION DETAILS

STANDARD NO.	ITEM DESCRIPTION
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424016-01	MID-BLOCK CURB RAMPS FOR SIDEWALKS
515001-03	NAME PLATE FOR BRIDGES
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602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602401-03	MANHOLE TYPE A
602406-06	MANHOLE TYPE A 6' DIAMETER
602411-04	MANHOLE TYPE A 7' DIAMETER
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602701-02	MANHOLE STEPS
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604036-02	GRATE TYPE 8
604091-02	FRAME AND GRATE TYPE 24
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606006-02	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
606301-04	PC CONCRETE ISLANDS AND MEDIANS
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
666001-01	RIGHT OF WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
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701006-05	OFF-RD OPERATIONS, 2L 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
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701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L 2W, MOVING OPERATIONS - DAY ONLY
701331-04	LANE CLOSURE, 2L 2W, WITH RUN-AROUND, FOR SPEEDS >= 45 MPH
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704001-07	TEMPORARY CONCRETE BARRIER
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B.L.R. 26-3	STEEL PLATE BEAM GUARDRAIL 29" HEIGHT

GENERAL NOTES

1. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2014 BY IDOT. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS, ORDERS, ORDINANCES, CODE PROVISIONS, AND APPROVALS PERTAINING TO ALL AGREEMENTS, PLANS, ESTIMATES, SPECIFICATIONS, AWARDS OF CONTRACTS, ACCEPTANCE OF WORK, AND PROCEDURE IN GENERAL.

2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 or 811 FOR FIELD LOCATIONS OF BURIED UTILTIES, INCLUDING BUT NOT LIMITED TO, ELECTRIC, TELEPHONE AND GAS FACILITIES (48-HOUR NOTIFICATION).

3. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

   ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:
   A. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
   B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
   C. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.
   E. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

4. THE CONTRACTOR SHALL GIVE THE WCL TWENTY-ONE (21) DAYS PRIOR WRITTEN NOTICE OF THE COMMENCEMENT DATE OF THE WORK AND ANY RELATED WORK, OR ANY PHASE THEREOF. THE CONTRACTOR SHALL NOT PERFORM ANY WORK ON THE WCL PROPERTY WITHOUT AUTHORIZATION FROM THE RAILROAD FLAGMAN.

5. THE CONTRACTOR SHALL PROVIDE THAT, EXCEPT FOR CIRCUMSTANCES BEYOND ITS CONTROL, THERE SHALL BE NO TRAIN DELAYS OR INTERFERENCE WITH WCL OPERATIONS DURING CONSTRUCTION AND THE CONTRACTOR SHALL NOT UNDULY DELAY OR INTERFERE WITH WCL IN PERFORMING WCL'S RELATED WORK AND SHALL TAKE ALL STEPS REASONABLY NECESSARY OR REQUESTED BY WCL TO FACILITATE WCL'S RELATED WORK. ALL COMMUTER PASSENGER SERVICE PENALTIES INCURRED BY WCL AS A RESULT OF DELAYS CAUSED BY THE PROJECT SHALL BE REIMBURSED BY THE CONTRACTOR.

6. THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH THE OWNER/ENGINEER AND UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ACTIVITIES OF SUBCONTRACTORS TO INCLUDE OBSERVANCE OF ANY SPECIAL RULES IN EFFECT AT THE SITE.

7. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

8. THE CONTRACTOR SHALL PROTECT EXISTING OR NEW UTILITIES WHEN CONSIDERED NECESSARY BY METHODS APPROVED BY THE ENGINEER, AND HE SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT.

9. ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR CLASS II SAFETY VESTS AT ALL TIMES THAT MEET THE ANSI 207 STANDARD WHILE ON THE CONSTRUCTION SITE. THE CONTRACTOR SHALL ALSO MEET RAILROAD PPE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, ANSI APPROVED HARD HAT, SAFETY TOE SHOES, HEARING PROTECTION AND SAFETY GLASSES. COMPLIANCE WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

10. THE CONTRACTOR SHALL EXECUTE WCL'S STANDARD FORM RIGHT-OF-WAY ENTRY PERMIT AGREEMENT PRIOR TO COMMENCING WORK, AND ALL COST ASSOCIATED SHALL BE CONSIDERED INCLUDED WITH THIS CONTRACT. THE CONTRACTOR SHALL COMPLY WITH ALL SAFETY, INSURANCE, FLAGGING, AND OTHER REQUIREMENTS OUTLINED IN THE AGREEMENT.

11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS. A FIELD TILE INVESTIGATION WILL BE AVAILBLE FOR REVIEW.

12. THE CONTRACTOR SHALL ABIDE BY THE TEMPORARY AND/OR PERMANENT MINIMUM CLEARANCES, WITH REFERENCE TO WCL'S TRACKS, OR NECESSARY FALSEWORK, BRACING OR FORMS, AS REQUIRED FOR CONSTRUCTION.

13. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON PUBLIC OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE LAKE COUNTY DIVISION OF TRANSPORTATION.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MATERIALS FURNISHED HIM UNTIL THEY ARE INCORPORATED INTO THE WORK. LOSS OF ANY PART OF THE MATERIALS BY THEFT OR OTHERWISE SHALL BE EITHER REPLACED BY THE CONTRACTOR AT HIS EXPENSE OR BE REPLACED BY THE OWNER WITH THE COST THEREOF DEDUCTED FROM THE FINAL PAYMENT MADE TO THE CONTACTOR.

15. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM OWNER/ENGINEER PRIOR TO PROCEEDING WITH ANY EXTRA WORK AND SUBMIT DAILY TIME SHEETS, MATERIAL TICKETS AND ANY OTHER INFORMATION REQUIRED BY THE ENGINEER FOR SUCH WORK NO LATER THAN THE NEXT WORKING DAY.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY UTILITIES DURING CONSTRUCTION, INCLUDING SANITARY FACILITIES, POTABLE WATER, ELECTRICITY FOR TOOLS AND MACHINERY, AND ANY OTHER REQUIRED UTILITIES.

17. ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON VERTICAL DATUM NGVD29 AND COORDINATES ARE BASED ON STATE PLANE ILLINOIS EAST ZONE (NAD 83, 2007). THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO COMMENCING WORK.

18. THE CONTRACTOR SHALL MAINTAIN ONE SET OF RECORD DRAWING FOR THE DURATION OF THE PROJECT. THE RECORD DRAWINGS SHALL BE KEPT UP TO DATE AND ACCURATE.

19. SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAWCUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED.

20. DRIVEWAYS ARE TO BE CONSTRUCTED TO WITHIN ONE (1) FOOT OF THE R.O.W. OR TEMPORARY EASEMENT, UNLESS OTHERWISE NOTED.

21. THE CURB & GUTTER SHALL BE DEPRESSED THROUGH DRIVEWAYS AND PAID FOR AS COMBINATION CONCRETE CURB & GUTTER AS NOTED ON THE PLANS.

22. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED. ALL TRANSITIONS BETWEEN PROPOSED CURB AND SHOULDER SHALL BE 16 FOOT TRANSITIONS UNLESS OTHERWISE NOTED.

23. IN MEDIANS, THE GUTTER FLAG FOR CC&G TYPE SB6.12 SHALL HAVE A REVERSE SLOPE.

24. PROTECTIVE COAT SHALL BE APPLIED IN ACCORDANCE WITH ARTICLE 420 OF THE STANDARD SPECIFICATIONS TO CONCRETE MEDIAN SURFACE AND BARRIER, APPROACH AND SHOULDER SLABS, AND ALL EXPOSED SURFACES OF CURBS AND GUTTERS AND PCC SIDEWALKS.

25. THE CONTRACTOR SHALL SAW CUT CONTRACTION JOINTS AT 15' C-C SPACING IN THE PCC PAVEMENT OR AT THE SPECIFIED JOINTS. THIS SAW CUTTING WILL BE INCLUDED IN THE COST OF THE PAVEMENT.

26. NO PAYMENT SHALL BE MADE FOR OVERHAUL FROM ANY SOURCE, BUT SHALL BE CONSIDERED INCLUDED WITH EARTH EXCAVATION.

27. ALL GRADING WORK SHALL CONFORM TO THE REQUIREMENTS NOTED IN THE SPECIAL PROVISIONS. THE FINISHED SUBGRADE SHALL CONFORM TO SUCH ELEVATIONS AS SHOWN OR OTHERWISE NOTED ON THE PLANS, WITHIN A TOLERANCE OF 0.1-FOOT. ALL MATERIAL REMOVED PRIOR TO GRADING OR FOR SITE RESTORATION, EXCEPTING THAT RESERVED BY OWNER/ENGINEER, SHALL BE PROPERLY DISPOSED OFF-SITE BY CONTRACTOR. NO TRACK SHALL BE LAID UNTIL THE ROADBED (SUBGRADE AND SUBBALLAST) IS COMPLETED AND APPROVED BY THE OWNER/ENGINEER.

28. POROUS GRANULAR EMBANKMENT (PGE) SUBGRADE, HAS BEEN PROVIDED FOR GENERAL USE. THE ACTUAL NEED FOR REMOVAL OF UNSUITABLE AND UNSTABLE SOILS AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED FROM THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. IN THE AREAS WHERE PGE IS PLACED, A GEOTEXTILE GROUND STABILIZATION FABRIC WILL BE PLACED UNDER THE PGE.

29. WHEREVER CONCRETE MASONRY WALLS, HEADWALLS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED THEY SHALL BE REMOVED TO A MINIMUM OF 1 FOOT BELOW THE ESTABLISHED GRADE OR SUBGRADE AS SHOWN ON THE PLANS. SUCH WORK SHALL BE CONSIDERED INCLUDED IN EARTH EXCAVATION.

30. OFFSETS FOR THE DRAINAGE STRUCTURES NOTED IN THE PLANS ARE AT EDGE OF PAVEMENT FOR DRAINAGE STRUCTURES WITHIN THE PAVEMENT. FOR DRAINAGE STRUCTURES OUTSIDE THE PAVEMENT, THE OFFSETS ARE TO THE CENTER OF THE STRUCTURE. FOR END SECTIONS, STATION, OFFSET, AND INVERT ELEVATION ARE GIVEN TO END OF THE FLARED END SECTION. PLEASE REFER TO LC6003 FOR FURTHER INFORMATION.

31. THE CONTRACTOR SHALL VERIFY THE INVERTS, SIZES, AND MATERIAL FOR ALL EXISTING STORM SEWERS THAT ARE BEING CONNECTED TO THE PROPOSED STORM SEWER SYSTEM.

32. THE COST TO CONNECT EXISTING PIPE CULVERTS OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM OR IN CONNECTING PROPOSED ELEMENTS SHALL BE CONSIDERED INCLUDED IN OTHER DRAINAGE ITEMS UNLESS NOTED OTHERWISE.

33. FIRE HYDRANTS TO BE MOVED SHALL BE PLACED ACCORDING TO THE DIRECTION OF THE ENGINEER, THE LOCAL MUNICIPALITY, JAWA, AND LCPW. MATERIALS SHALL BE AS SPECIFIED BY THE LOCAL MUNICIPALITY, JAWA AND LCPW.

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

35. HMA OR CONCRETE PAVEMENT CROSSINGS SHOULD NOT BE LEFT IN GRAVEL OVERNIGHT. THIS WILL INCLUDE MAIN ROAD, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND PARKING AREAS. TEMPORARY HMA PATCHING AT THE CONTRACTOR'S EXPENSE MAY BE USED IN LIEU OF IMMEDIATE PAVEMENT REPLACEMENT.

36. ALL DISTURBED AREAS INDICATED TO BE SEEDED OR SODDED, SHALL INCLUDE FERTILIZER NUTRIENTS. SUPPLEMENTAL WATERING IS TO BE USED FOR SOD AFTER THE INITIAL AND ADDITIONAL WATERINGS AS SPECIFIED IN THE STANDARD (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 3 GALLONS PER SQUARE YARD. SODDED SLOPES WHICH ARE 2.5:1 OR STEEPER SHALL BE STAKED.

37. IT IS NOTED THAT REMOVAL AND ANY REINSTALLATION OF DITCH CHECKS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR DITCH CHECKS.

NOTE: BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT

38. BARRICADES: ON ALL TYPE II BARRICADES THE CONTRACTOR SHALL INSTALL TWO WEIGHTED SAND BAGS ON EACH BARRICADE USED, ONE WEIGHTED SAND BAG SHALL BE LAID ACROSS EACH BOTTOM RAIL.

39. WHERE SECTION, SUBSECTION, SUBDIVISION, OR PROPERTY MONUMENTS ARE IMPACTED, THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

40. FOR STRUCTURAL GENERAL NOTES, SEE STRUCTURAL PLANS.

41. FOR MAINTENANCE OF TRAFFIC GENERAL NOTES, SEE MAINTENANCE OF TRAFFIC PLANS.

42. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, AND CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

43. STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07 (METHOD 1) OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE LAKE COUNTY DIVISION OF TRANSPORTATION TRENCH BACKFILL TABLE, WHICH IS BASED ON INVERT DEPTH FROM EXISTING PAVEMENT.

44. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

45. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT OTHER SEPARATE CONTRACTS MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS CONTRACT AND THAT THE CONTRACTOR WILL BE GOVERNED BY ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR WILL COORDINATE PROPOSED PROJECT START DATES AND SEQUENCE OF CONSTRUCTION WITH THE ENGINEER AND OTHER CONTRACTORS TO PRESENT AN EFFECTIVE AND TIMELY SCHEDULE FOR SUCCESSFUL COMPLETION OF THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR THE ABOVE REQUIREMENTS FOR ANY DELAYS OR INCONVENIENCE RESULTING FROM THE ACTIVITIES OF OTHER CONTRACTORS.

46. PEDESTRIAN ACCESS CLOSURES ARE ONLY ALLOWED BETWEEN 9AM AND 3PM ON MONDAY, TUESDAY, WEDNESDAY, AND THURSDAY WITH THE CONSENT OF THE LAKE COUNTY DIVISION OF TRANSPORTATION AND THE VILLAGE OF GRAYSLAKE UNLESS OTHERWISE AUTHORIZED. ANY TEMPORARY CLOSURE OF THE AGGREGATE PATH SHALL BE PRECEEDED BY A 48-HOUR NOTICE TO THE LAKE COUNTY DIVISION OF TRANSPORTATION. ALL GAPS IN THE TEMPORARY PATH MUST BE CLOSED UP AT THE END OF THE WORK DAY IN STONE SCREENINGS OR FINAL PAVED ASPHALT.

47. THE CONTRACTOR SHALL COMPLETE ALL PROJECT RELATED WORK IN A GOOD AND SAFE WORKMANLIKE MANNER. THE CONTRACTOR SHALL REMOVE ALL MACHINERY, SURPLUS MATERIALS, FALSEWORK, RUBBISH AND TEMPORARY BUILDINGS FROM WCL'S PROPERTY UPON COMPLETION OF THE COUNTY BRIDGE WORK AND THE COUNTY'S RELATED WORK, AND TO LEAVE WCL'S PROPERTY IN A NEAT AND CLEAN CONDITION REASONABLY SATISFACTORY TO THE AUTHORIZED REPRESENTATIVE OF WCL.

48. FOR RAILROAD SIGNAL LOCATES, PLEASE CALL (248) 740-6227.

49. THE MAXIMUM CROSS SLOPE AT ANY POINT IN THE TRAVERSIBLE AREA OF SIDEWALK OR BICYCLE PATH PAVEMENT HAS A MAXIMUM SLOPE OF 2.0%, INCLUDING THROUGH THE DRIVEWAYS. ALL AREAS OF NEW BICYCLE PATH OR SIDEWALK THAT EXCEED THIS MAXIMUM WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

50. THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE ENGINEER WITHIN 24 HOURS OF SELECTING A STEEL FABRICATOR. IDOT WILL BE NOTIFIED BY THE ENGINEER TO PERFORM THE STEEL FABRICATION INSPECTION.

51. UTILITY CONTACT INFORMATION:
AT&T - HECTOR GARCIA (630)573-5465
NORTH SHORE GAS - GERRY GLOGOVSKY - (847) 263-4687
COMED - TERRI BLECK - (847) 816-5239
COMCAST - MARTHA GIERAS - (630) 600-6352
VILLAGE OF GRAYSLAKE - BILL HEINZ - (847) 223-8515
CLCJAWA - BILL SOUCIE - (847) 582-9215
LAKE COUNTY PUBLIC WORKS - GORDON WHITE - (847) 377-7500

52. OTHER CONTACT INFORMATION:
WISCONSIN CENTRAL LIMITED RAILROAD - MARY ANN NEINER (708) 332-3805
LAKE COUNTY DIVISION OF TRANSPORTATION - MIKE ZEMAITIS (847) 377-7400
LAKE COUNTY SMC - BOB GARDINER (847) 377-7700

NOTE: BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	RDWY 0004 80% FED 20% LA	RDWY 0003 100% LA	TRAFFIC SIGNALS 0021 80% FED 20% LA	STRUCTURAL RETAINING WALL & PUMP STATION 0040 80% FED 20% LA	STRUCTURAL BRIDGE 0008 80% FED 20% LA	LCPW UTILITIES 0043 80% FED 20% LA	CLCJAWA UTILITIES 0043 80% FED 20% LA	GRAYSLAKE UTILITIES 0043 80% FED 20% LA	GRAYSLAKE BICYCLE / PEDESTRIAN 0028 80% FED 20% LA
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,881	1,881								
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	660	660								
*	20200100	EARTH EXCAVATION	CU YD	70,280	70,280								
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	27,665	27,665								
*	20400800	FURNISHED EXCAVATION	CU YD	12,490	12,490								
*	20800150	TRENCH BACKFILL	CU YD	9,039	3,810					1,337	2,625	1,267	
#*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	68,230	68,230								
#	21101695	TOPSOIL FURNISH AND PLACE, 30"	SQ YD	675	675								
*	21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	1,020	1,020								
#	25000115	SEEDING, CLASS 1B	ACRE	3.7	3.7								
#	25000210	SEEDING, CLASS 2A	ACRE	0.9	0.9								
#	25000312	SEEDING, CLASS 4A	ACRE	7.9	7.9								
#	25000314	SEEDING, CLASS 4B	ACRE	0.6	0.6								
#*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	408	408								
#*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	408	408								
#*	25000750	MOWING	ACRE	4.5		4.5							
#*	25000775	SELECTIVE MOWING STAKES	EACH	85		85							
#	25100115	MULCH, METHOD 2	ACRE	26.0	26.0								
#	25100630	EROSION CONTROL BLANKET	SQ YD	125,849	125,849								
#	25200110	SODDING, SALT TOLERANT	SQ YD	446	446								
#	25200200	SUPPLEMENTAL WATERING	UNIT	1	1								
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	26,014	26,014								
*	28000305	TEMPORARY DITCH CHECKS	FOOT	960	960								
*	28000400	PERIMETER EROSION BARRIER	FOOT	14,259	14,259								
	28000510	INLET FILTERS	EACH	51	51								
	28100107	STONE RIPRAP, CLASS A4	SQ YD	12	12								
	28200200	FILTER FABRIC	SQ YD	12	12								
*	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	15,033	9,714	5,319							
*	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	7,660	7,660								
*	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,240									2,240
*	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	3,220	668								2,552
*	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	259						259			
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	398	398								
*	40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	1,412	1,412								
*	40200720	AGGREGATE SURFACE COURSE, TYPE A 12"	SQ YD	2,177	2,177								
	40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	65	65								
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	19	19								
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	51	51								
*	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2,083	1,693								390

# DENOTES SPECIALTY ITEM + DENOTES CONSTRUCTION CODE 0042: TRAINEES * DENOTES SPECIAL PROVISION

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	RDWY 0004 80% FED 20% LA	RDWY 0003 100% LA	TRAFFIC SIGNALS 0021 80% FED 20% LA	STRUCTURAL RETAINING WALL & PUMP STATION 0040 80% FED 20% LA	STRUCTURAL BRIDGE 0008 80% FED 20% LA	LCPW UTILITIES 0043 80% FED 20% LA	CLCJAWA UTILITIES 0043 80% FED 20% LA	GRAYSLAKE UTILITIES 0043 80% FED 20% LA	GRAYSLAKE BICYCLE / PEDESTRIAN 0028 80% FED 20% LA
	42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	11,488	6,169	5,319							
*	42001300	PROTECTIVE COAT	SQ YD	15,624	8,468	5,319							1,837
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	110	110								
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	16,533									16,533
*	42400800	DETECTABLE WARNINGS	SQ FT	272									272
	44000100	PAVEMENT REMOVAL	SQ YD	19,005	19,005								
*	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	12,891	12,891								
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	122	122								
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,284	1,284								
	44000600	SIDEWALK REMOVAL	SQ FT	1,049	1,049								
	44004250	PAVED SHOULDER REMOVAL	SQ YD	60	60								
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	22	22								
	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	132	132								
	50200100	STRUCTURE EXCAVATION	CU YD	10,050				8,895	1,155				
	50300225	CONCRETE STRUCTURES	CU YD	1,645.9				1,645.9					
*	50300285	FORM LINER TEXTURED SURFACE	SQ FT	17,170				13,885	3,285				
	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1					1				
	50700105	TREATED TIMBER	F.B.M.	7,718	7,718								
*	50700305	HARDWARE	POUND	5,001	5,001								
*	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	290,840				156,770	134,070				
	50800515	BAR SPLICERS	EACH	192					192				
#	50901760	PIPE HANDRAIL	FOOT	225					225				
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	8,848				8,848					
	51201900	FURNISHING STEEL PILES HP14X89	FOOT	7,941					7,941				
	51202305	DRIVING PILES	FOOT	16,789				8,848	7,941				
	51203600	TEST PILE STEEL HP12X53	EACH	2				2					
	51203900	TEST PILE STEEL HP14X89	EACH	2					2				
	51500100	NAME PLATES	EACH	1					1				
	52100540	ANCHOR BOLTS, 1 1/2"	EACH	24					24				
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2								
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	4								
*	5422A012	PIPE CULVERTS, CLASS A, TYPE 2 12" (TEMPORARY)	FOOT	148	148								
*	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	32	32								
*	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	97	97								
*	550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	6	6								
*	550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	62	62								
*	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	842	842								
*	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	332	332								

# DENOTES SPECIALTY ITEM + DENOTES CONSTRUCTION CODE 0042: TRAINEES * DENOTES SPECIAL PROVISION

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	RDWY 0004 80% FED 20% LA	RDWY 0003 100% LA	TRAFFIC SIGNALS 0021 80% FED 20% LA	STRUCTURAL RETAINING WALL & PUMP STATION 0040 80% FED 20% LA	STRUCTURAL BRIDGE 0008 80% FED 20% LA	LCPW UTILITIES 0043 80% FED 20% LA	CLCJAWA UTILITIES 0043 80% FED 20% LA	GRAYSLAKE UTILITIES 0043 80% FED 20% LA	GRAYSLAKE BICYCLE / PEDESTRIAN 0028 80% FED 20% LA
*	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	129	129								
*	550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	5	5								
*	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	552	552								
*	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	240	240								
*	550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	89	89								
*	550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	56	56								
*	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	254	254								
	55100500	STORM SEWER REMOVAL 12"	FOOT	678	678								
	55100700	STORM SEWER REMOVAL 15"	FOOT	33	33								
	55100900	STORM SEWER REMOVAL 18"	FOOT	93	93								
	55101200	STORM SEWER REMOVAL 24"	FOOT	95	95								
#*	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	20							20		
#*	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1,340								1,340	
#*	56105780	BUTTERFLY VALVES 20"	EACH	2							2		
#*	56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	50								50	
#*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2								2	
#*	56400710	FIRE HYDRANT AND VALVE (SPECIAL)	EACH	5								5	
#*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2							2		
	58000100	MEMBRANE WATERPROOFING	SQ FT	1,960					1,960				
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1,959				1,532	427				
	60107700	PIPE UNDERDRAINS 6"	FOOT	630	630								
*	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	5	5								
*	60201005	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE	EACH	3	3								
*	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	8	8								
*	60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	5	5								
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3								
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8								
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1								
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2								
	60224449	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1								
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	7	7								
*	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6								6	
	60249010	VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2							2		
	60253100	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1								
	60500040	REMOVING MANHOLES	EACH	1	1								
	60500050	REMOVING CATCH BASINS	EACH	3	3								
	60500060	REMOVING INLETS	EACH	3	3								
*	60602800	CONCRETE GUTTER, TYPE B	FOOT	810				810					

# DENOTES SPECIALTY ITEM + DENOTES CONSTRUCTION CODE 0042: TRAINEES * DENOTES SPECIAL PROVISION

PENTABLE = $PENTBL.A$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com
PATRICK ENGINEERING

USER NAME = $USER$	DESIGNED - MJV	REVISED - 10/7/2014
PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -
PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET NO. SOQ 3 OF 9 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	7

61A63

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

$FILE$

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	RDWY 0004 80% FED 20% LA	RDWY 0003 100% LA	TRAFFIC SIGNALS 0021 80% FED 20% LA	STRUCTURAL RETAINING WALL & PUMP STATION 0040 80% FED 20% LA	STRUCTURAL BRIDGE 0008 80% FED 20% LA	LCPW UTILITIES 0043 80% FED 20% LA	CLCJAWA UTILITIES 0043 80% FED 20% LA	GRAYSLAKE UTILITIES 0043 80% FED 20% LA	GRAYSLAKE BICYCLE / PEDESTRIAN 0028 80% FED 20% LA
*	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,640	1,640								
*	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	4,462	4,462								
*	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	5,576	5,576								
‡	60900515	CONCRETE THRUST BLOCKS	EACH	11							11		
*	61140200	STORM SEWERS (SPECIAL), 12"	FOOT	37	37								
*	61140400	STORM SEWERS (SPECIAL), 15"	FOOT	68	68								
*	61140600	STORM SEWERS (SPECIAL), 18"	FOOT	64	64								
*	61140900	STORM SEWERS (SPECIAL), 24"	FOOT	776	776								
#	63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	312.5	312.5								
	67100100	MOBILIZATION	L SUM	1	1								
*	67201100	SEALING ABANDONED MONITORING WELLS	EACH	2	2								
*	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	120	120								
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,410	1,410								
#	70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	236	236								
#	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	14,216	14,216								
#	70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	682	682								
#	70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	828	828								
#	70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	106	106								
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	6,826	6,826								
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	363	363								
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	81	81								
	72000100	SIGN PANEL - TYPE 1	SQ FT	7.5			7.5						
#*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	702	702								
#*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22,590	22,590								
#*	78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	249	249								
#*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,262	2,262								
#*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,158	2,158								
#*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	327	327								
#	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	90	90								
#	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2,140	2,140								
#	78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	73	73								
#	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	8,562	8,562								
#	78008220	POLYUREA PAVEMENT MARKING TYPE I - LINE 5"	FOOT	8,202	8,202								
#	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	499	499								
#	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	619	523								96
#	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	84	84								
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	176	176								
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	6,566	6,566								

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	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	158	158								
#*	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1			1						
#*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2,332			2,332						
#*	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	81			81						
#*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	76			76						
#*	81400100	HANDHOLE	EACH	5			5						
#*	85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1			1						
#*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	8,564			8,564						
#	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	934			934						
#	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,291			1,291						
#*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	120			120						
#*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	579			579						
#*	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2			2						
#*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3			3						
#*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20			20						
#	87900200	DRILL EXISTING HANDHOLE	EACH	6			6						
#*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4			4						
#*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4			4						
#*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4			4						
#*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8			8						
#*	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8			8						
#*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	888			888						
#*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8			8						
#*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1			1						
#*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1						
#	A2006720	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	21	21								
#	A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	30	30								
#*	A2008748	TREE, ULMUS X FRONTIER (FRONTIER ELM), 3" CALIPER, BALLED AND BURLAPPED, MATCHING HEADS	EACH	8	8								
#	B2002220	TREE, CRATAEGUS VIRDIS WINTER KING (WINTER KING GREEN HAWTHORN), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	33	33								
#	B2005068	TREE, MALUS SNOWDRIFT (SNOWDRIFT CRABAPPLE), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	37	37								
#	B2005136	TREE, MALUS SPRING SNOW (SPRING SNOW CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	50	50								
#	C20058G2	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2-GALLON	EACH	368	368								
#	C2009248	SHRUB, ROSA X KNOCKOUT (DOUBLE KNOCKOUT HYBRID ROSE), 18" HEIGHT, BALLED AND BURLAPPED	EACH	275	275								
#	D2001788	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	53	53								
#	D2002986	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	29	29								

# DENOTES SPECIALTY ITEM + DENOTES CONSTRUCTION CODE 0042: TRAINEES * DENOTES SPECIAL PROVISION

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	RDWY 0004 80% FED 20% LA	RDWY 0003 100% LA	TRAFFIC SIGNALS 0021 80% FED 20% LA	STRUCTURAL RETAINING WALL & PUMP STATION 0040 80% FED 20% LA	STRUCTURAL BRIDGE 0008 80% FED 20% LA	LCPW UTILITIES 0043 80% FED 20% LA	CLCJAWA UTILITIES 0043 80% FED 20% LA	GRAYSLAKE UTILITIES 0043 80% FED 20% LA	GRAYSLAKE BICYCLE / PEDESTRIAN 0028 80% FED 20% LA
#	D2002996	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 10' HEIGHT, BALLED AND BURLAPPED	EACH	7	7								
#	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	9.4	9.4								
#*	K0013055	PERENNIAL PLANTS, WETLAND EMERGENT	ACRE	1.0	1.0								
#*	K0029632	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	14	14								
*	LR503200	LOAD CHARGE	LOAD	6	6								
*	X0321865	ANTI-GRAFFITI PROTECTION SYSTEM	SQ FT	20,185				16,735	3,450				
#*	X0322464	ABANDON AND FILL EXISTING SANITARY MANHOLE	EACH	3						3			
*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	7	7								
#*	X0323002	TEMPORARY ELECTRIC SERVICE CONNECTION	EACH	1	1								
#*	X0323523	REMOVE TEMPORARY LIGHTING	L SUM	1	1								
#*	X0325346	RAILROAD TRACK	TRK FT	88	88								
#*	X0325462	MEDIA CONVERTER	EACH	1			1						
#*	X0325714	FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	6	6								
*	X0326144	TACTILE/DETECTABLE WARNING SURFACE	SQ FT	1,108	1,108								
*	X0326358	STORM WATER TREATMENT SYSTEM	EACH	2	2								
*	X0326679	TEMPORARY STORM SEWER PLUGS, 36"	EACH	1	1								
#*	X0326712	ABANDON AND FILL EXISTING SANITARY SEWER	EACH	5						4		1	
#*	X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2									2
*	X0327008	REMOVE AND RELOCATE SIGN (SPECIAL)	EACH	2	2								
*	X0327036	BIKE PATH REMOVAL	SQ YD	2,352	565								1,787
*	X0327147	REMOVE RAILROAD PLATFORM	SQ FT	3,800	3,800								
#*	X0327357	CONSTRUCTION VIBRATION MONITORING	L SUM	1				1					
#*	X0327367	STEEL CASING PIPE, BORED AND JACKED, 24"	FOOT	270								270	
#*	X0327651	WATER MAIN IN CASING, 12"	FOOT	270								270	
#*	X0327679	STEEL CASING PIPE AUGERED AND JACKED 30"	FOOT	120						120			
#*	X0327700	STEEL SECURITY GATE, 12'	EACH	1	1								
#*	X0327720	12" DUCTILE IRON FITTINGS	EACH	1								1	
*	X0327725	ADDITIONAL DEPTH OF MANHOLES	FOOT	130	51					72		7	
#*	X0335700	PUMP STATION GENERAL WORK	L SUM	1				1					
#*	X0783300	PUMP STATION ELECTRICAL WORK	L SUM	1				1					
#*	X0783500	PUMP STATION MECHANICAL WORK	L SUM	1				1					
#*	X0811100	RAILROAD CROSSING	L SUM	1	1								
#*	X0839900	SANITARY SEWER REMOVAL 6"	FOOT	32								32	
*	X2020502	BRACED EXCAVATION	CU YD	3,976					3,976				
#*	X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	1.0	1.0								
#*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	4,267	4,267								
*	X2800500	INLET PROTECTION, SPECIAL	EACH	2	2								
*	X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1								

# DENOTES SPECIALTY ITEM + DENOTES CONSTRUCTION CODE 0042: TRAINEES * DENOTES SPECIAL PROVISION

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	RDWY 0004 80% FED 20% LA	RDWY 0003 100% LA	TRAFFIC SIGNALS 0021 80% FED 20% LA	STRUCTURAL RETAINING WALL & PUMP STATION 0040 80% FED 20% LA	STRUCTURAL BRIDGE 0008 80% FED 20% LA	LCPW UTILITIES 0043 80% FED 20% LA	CLCJAWA UTILITIES 0043 80% FED 20% LA	GRAYSLAKE UTILITIES 0043 80% FED 20% LA	GRAYSLAKE BICYCLE / PEDESTRIAN 0028 80% FED 20% LA
*	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	32,667	32,667								
*	X4060995	TEMPORARY RAMP, SPECIAL	SQ YD	862	862								
*	X5030225	CONCRETE STRUCTURES (SPECIAL)	CU YD	1,394.7					1,394.7				
*	X5030290	STAINING CONCRETE STRUCTURES	SQ FT	20,185				16,735	3,450				
#*	X5051900	STEEL GRATE WALKWAY	SQ YD	104					104				
*	X5210210	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 700K	EACH	3					3				
*	X5210360	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 700K	EACH	1					1				
*	X5210770	HIGH LOAD MULTI-ROTATIONAL BEARINGS, NON-GUIDED EXPANSION, 200K	EACH	2					2				
*	X5429311	TRAVERSABLE PIPE GRATE, SPECIAL	FOOT	46	46								
#*	X5610649	PLUG WATER MAIN 12"	EACH	2								2	
#*	X5610680	WATER MAIN PROTECTION	FOOT	1,700							1,700		
#*	X5610712	WATER MAIN REMOVAL, 12"	FOOT	1,024								1,024	
#*	X5610720	WATER MAIN REMOVAL, 20"	FOOT	1,421							1,421		
#*	X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	2								2	
*	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	2,612				2,043	569				
*	X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	4,095	4,095								
*	X6020090	MANHOLES, WITH RESTRICTOR PLATE	EACH	3	3								
#*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	7						7			
#*	X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	8						8			
#*	X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	1						1			
*	X6030205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	4	4								
*	X6026622	VALVE VAULTS TO BE REMOVED	EACH	1								1	
*	X6300215	RAIL ELEMENT PLATES	EACH	1	1								
*	X6640200	TEMPORARY CHAIN LINK FENCE	FOOT	16	16								
*	X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	24	24								
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1								
#*	X7800455	POLYUREA PAVEMENT MARKING TYPE I RAISED MEDIAN	SQ FT	309	309								
#*	X7810300	RECESSED REFLECTIVE PAVMENT MARKER	EACH	204	204								
#*	X8410105	TEMPORARY LIGHTING SYSTEM	EACH	8	8								
#*	X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1			1						
#*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1						
#*	X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	8,564			8,564						
#*	X8730571	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	330			330						
#*	X8730800	ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	330			330						
*	XX000366	CLAY LINER	CU FT	64,962	64,962								
#*	XX001249	ORNAMENTAL FENCE	FOOT	1,289				1,140	149				
#*	XX003032	GATE VALVES, 12"	EACH	4								4	
#*	XX003358	SANITARY MANHOLE, 5' DIA	EACH	8						8			

# DENOTES SPECIALTY ITEM + DENOTES CONSTRUCTION CODE 0042: TRAINEES * DENOTES SPECIAL PROVISION

PENTABLE = $PENTBL.A$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - MJV	REVISED - 10/7/2014
PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -
PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET NO. SOQ 7 OF 9 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	11

61A63

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

$FILE$

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	RDWY 0004 80% FED 20% LA	RDWY 0003 100% LA	TRAFFIC SIGNALS 0021 80% FED 20% LA	STRUCTURAL RETAINING WALL & PUMP STATION 0040 80% FED 20% LA	STRUCTURAL BRIDGE 0008 80% FED 20% LA	LCPW UTILITIES 0043 80% FED 20% LA	CLCJAWA UTILITIES 0043 80% FED 20% LA	GRAYSLAKE UTILITIES 0043 80% FED 20% LA	GRAYSLAKE BICYCLE / PEDESTRIAN 0028 80% FED 20% LA
#*	XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1			1						
#*	XX006253	SANITARY MANHOLE, 4'-DIAMETER	EACH	1								1	
*	XX006277	TEMPORARY SEDIMENT TRAP	EACH	1	1								
#*	XX006655	LAYER II (DATALINK) SWITCH	EACH	1			1						
*	XX006658	FLOCCULATION LOGS	EACH	2	2								
*	XX006659	FLOCCULATION POWDER	POUND	13	13								
#*	XX007881	DOCUMENTATION CAMERAS	L SUM	1	1								
#*	XX008253	VIDEO ENCODER	EACH	1			1						
#*	XX008392	OUTDOOR RATED NETWORK CABLE	FOOT	42			42						
*	XX008436	VALVE VAULTS, 5'-DIAMETER	EACH	1	1								
#*	XX008565	EVP CONFIRMATION BEACON, LED RETROFIT	EACH	4			4						
#*	XX008811	GATE, SPECIAL	EACH	2	2								
#*	XX008935	BLUETOOTH DETECTOR	EACH	1			1						
#*	XX008959	DUCTILE IRON WATER MAIN (SPECIAL)	FOOT	42								42	
#*	XX008971	PRESTRESSED CONCRETE CYLINDER PIPE (PCCP) 20"	FOOT	1,700							1,700		
#*	XX008972	PCCP 15 DEG BEND 20"	EACH	5							5		
#*	XX008973	PCCP 30 DEG BEND 20"	EACH	1							1		
#*	XX008974	PCCP 45 DEG BEND 20"	EACH	1							1		
#*	XX008975	PCCP 90 DEG BEND 20"	EACH	2							2		
#*	XX008976	PCCP CUSTOM FITTINGS 20"	EACH	4							4		
#*	Z0001100	AIR RELEASE VALVE	EACH	1							1		
#*	Z0002400	BALLAST	TON	848	848								
#*	Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	1			1						
*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	669	669								
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1								
*	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	16		16							
*	Z0019600	DUST CONTROL WATERING	UNIT	1,515	1,515								
*	Z0022800	FENCE REMOVAL	FOOT	240	240								
*	Z0027800	GEOTECHNICAL FABRIC	SQ YD	599	599								
*	Z0029602	TEMPORARY SIGNING	EACH	8	8								
#*	Z0045100	PRESSURE CONNECTION 12" X 12"	EACH	2								2	
*	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,140				1,140					
*	Z0046306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	391					391				
*	Z0046308	PIPE UNDERDRAINS FOR STRUCTURES 8"	FOOT	501					501				
#*	Z0047400	PUMP HOUSE COMPLETE	L SUM	1				1					
#*	Z0048400	RAILROAD CROSSING REMOVAL	EACH	3	3								
*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1								
#*	Z0056900	SANITARY SEWER 8"	FOOT	125								125	

# DENOTES SPECIALTY ITEM + DENOTES CONSTRUCTION CODE 0042: TRAINEES * DENOTES SPECIAL PROVISION

PENTABLE = ...\LISLE\PENTABLE\TRANSPEN.TBL

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	RDWY 0004 80% FED 20% LA	RDWY 0003 100% LA	TRAFFIC SIGNALS 0021 80% FED 20% LA	STRUCTURAL RETAINING WALL & PUMP STATION 0040 80% FED 20% LA	STRUCTURAL BRIDGE 0008 80% FED 20% LA	LCPW UTILITIES 0043 80% FED 20% LA	CLCJAWA UTILITIES 0043 80% FED 20% LA	GRAYSLAKE UTILITIES 0043 80% FED 20% LA	GRAYSLAKE BICYCLE / PEDESTRIAN 0028 80% FED 20% LA
#*	Z0057400	SANITARY SEWER 21"	FOOT	1,511						1,511			
*	Z0062456	TEMPORARY PAVEMENT	SQ YD	7,262	7,262								
#*	Z0067600	STEEL CASINGS 18"	FOOT	80								80	
#*	Z0068200	STEEL CASINGS 30"	FOOT	305							305		
#*	Z0069700	SUB-BALLAST	CU YD	2,758	2,758								
*	Z0070200	SURVEY MONUMENTS	EACH	17	17								
*	Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	23,011		1,200		18,020	3,791				
#*	Z0076000	TRACK INSTALLATION COMPLETE	FOOT	2,384	2,384								
#*	Z0076100	TRACK REMOVAL	FOOT	2,384	2,384								
#*	Z0076300	TRACK WORK	FOOT	1,629	1,629								
+*	Z0076600	TRAINEES	HOUR	3,000	3,000								
+*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	3,000	3,000								

# DENOTES SPECIALTY ITEM + DENOTES CONSTRUCTION CODE 0042: TRAINEES * DENOTES SPECIAL PROVISION

PENTABLE = ...\LISLE\PENTABLE\TRANSPEN.TBL

PATRICK ENGINEERING
PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = mpineV8i(Rdwy_Lisle)	DESIGNED - MJV	REVISED - 10/7/2014
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PLOT DATE = 10/9/2014 11:42:27 AM	DATE - 6/30/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET NO. SOQ 9 OF 9 | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	13

61A63

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

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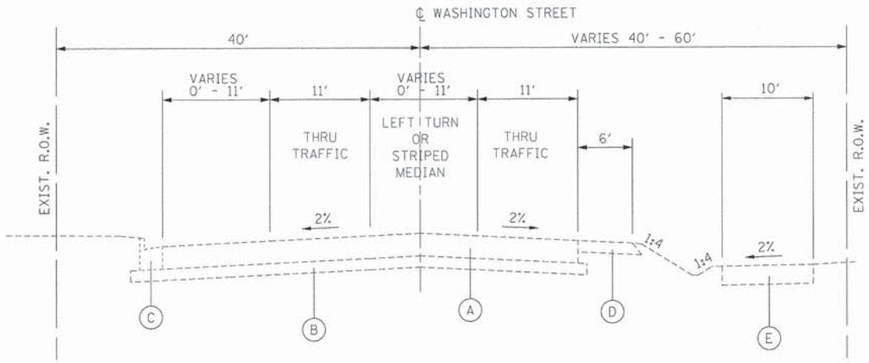
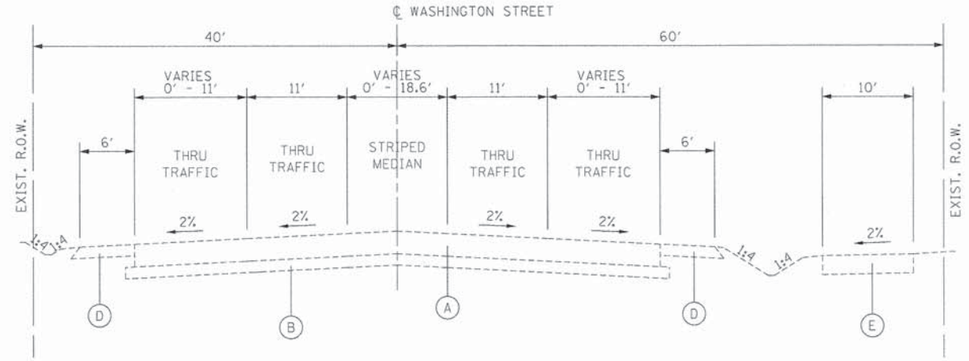


EXISITING TYPICAL SECTION E1

STA. 104+75.00 TO STA. 112+58.00, WASHINGTON STREET

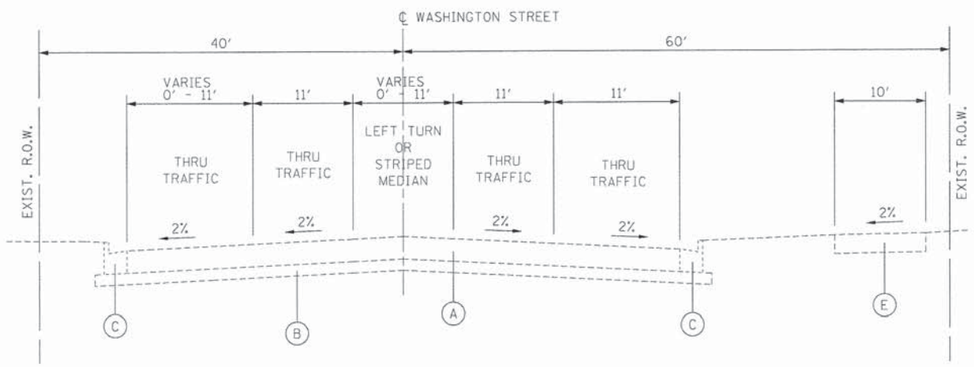


EXISITING TYPICAL SECTION E2

STA. 112+58.00 TO STA. 121+60.12, WASHINGTON STREET

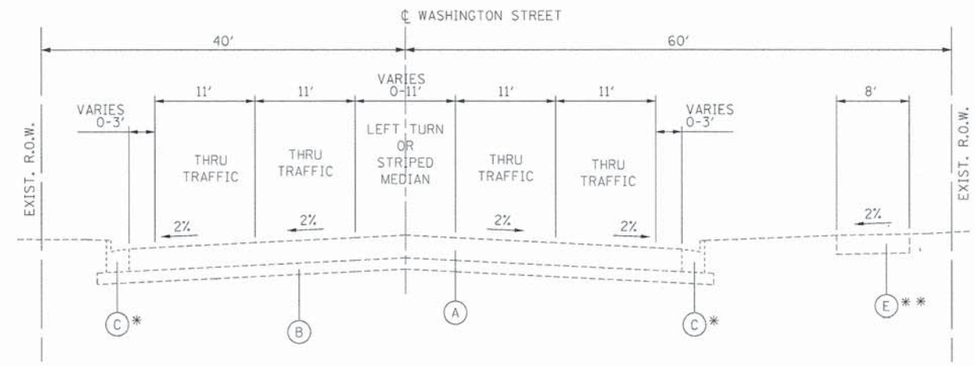
LEGEND:

- (A) EXISTING 12" BITUMINOUS PAVEMENT
- (B) EXISTING 6" GRAVEL SUBBASE
- (C) EXISTING B-6.24 CURB AND GUTTER
- (D) EXISTING 6" AGGREGATE SHOULDERS
- (E) EXISTING 10" BITUMINOUS BIKE PATH
- (A.1) EXISTING 2" BITUMINOUS SURFACE
- (A.2) EXISTING 2.25" BITUMINOUS BASE COURSE
- (B.1) EXISTING 10" AGGREGATE SUBBASE



EXISITING TYPICAL SECTION E3

STA. 121+60.12 TO STA. 124+69.47, WASHINGTON STREET

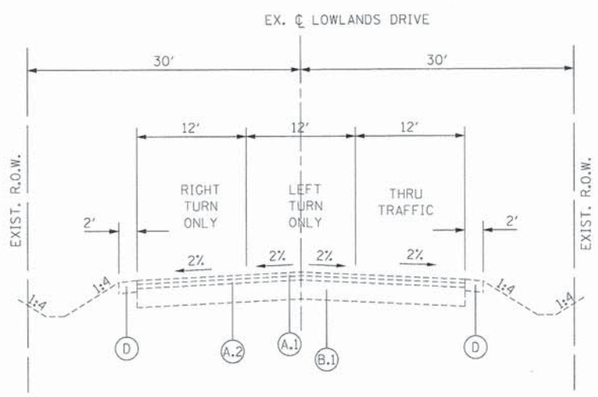


EXISITING TYPICAL SECTION E4

STA. 101+79.49 TO STA. 104+75.00, WASHINGTON STREET
STA. 124+69.47 TO STA. 139+92.00, WASHINGTON STREET

*OMISSION ON N SIDE FROM STA. 130+00-134+75
OMISSION ON S SIDE FROM STA. 132+83-134+89

**STA. 124+69.47 TO STA. 128+51.96



EXISITING TYPICAL SECTION E5

STA. 10+69.83 TO STA. 11+76.78, LOWLANDS DRIVE

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = erik	DESIGNED - AL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET EXISTING TYPICAL SECTIONS	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
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	PLOT DATE = 6/28/2014 2:34:33 PM	DATE - 06-30-2014	REVISED -		SCALE: N.T.S. SHEET NO. TYP 1 OF 3 STA. 104+75 TO STA. 124+69.47	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

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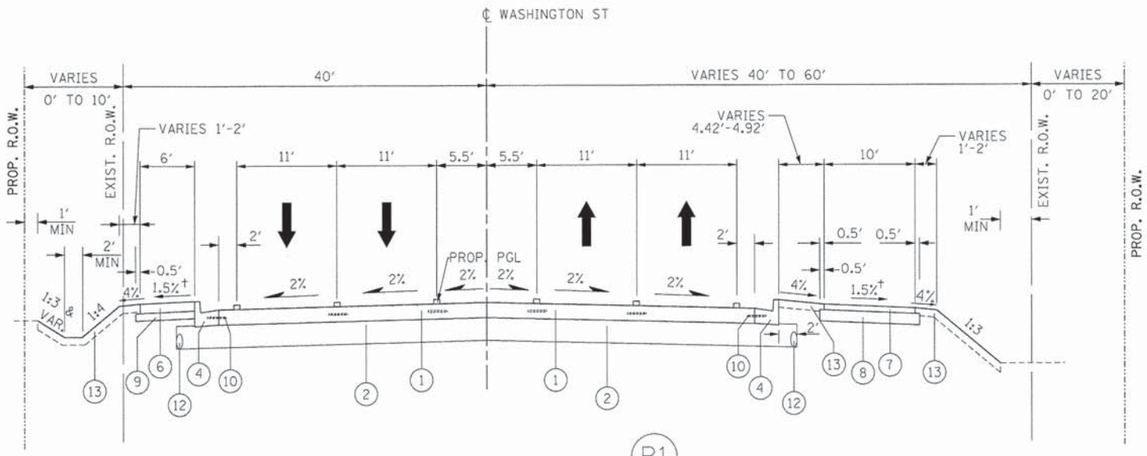
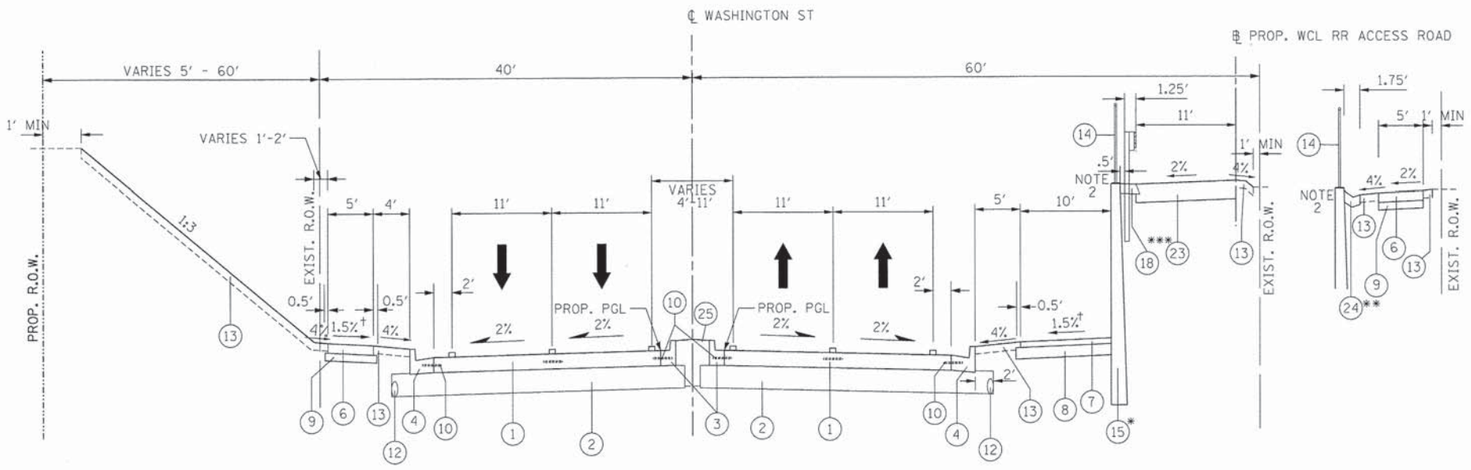


PROPOSED TYPICAL SECTION (P1)

STA. 104+75.00 TO STA. 109+66.33, WASHINGTON STREET



PROPOSED TYPICAL SECTION (P2)

STA. 109+66.33 TO STA. 124+69.47, WASHINGTON STREET

*STA. 110+27.88 TO STA. 122+39.84, WASHINGTON STREET

**CONCRETE GUTTER TYPE B FROM STA. 120+34.20 TO STA. 122+39.84

SIDEWALK FROM 120+23.42 TO STA. 123+21.79

***STA. 116+92.00 TO STA. 119+79.86

NOTES:

1. CONCRETE MEDIAN TYPE SB 6.12 FROM 110+44.96 TO 122+62.67 WITH VARYING TOTAL WIDTH 4' TO 9' LANDSCAPED MEDIAN FROM 109+79.66 TO 110+44.96 AND 122+62.67 TO 124+69.47
2. SEE STRUCTURAL PLANS FOR DETAILS OF RETAINING WALL CROSS SECTION

† GENERALLY, SLOPE TOWARD ROAD IN CUT SECTIONS AND AWAY FROM ROAD IN FILL SECTIONS. SEE CROSS SECTIONS FOR SLOPE DIRECTION.

LEGEND:

1. PROPOSED PCC PAVEMENT 8" (JOINTED)
2. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
3. PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.12
4. PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.24
5. PROPOSED CONCRETE MEDIAN, TYPE SB 6.12 (SEE NOTE 1)
6. PROPOSED PCC SIDEWALK 5" (SEE NOTE 1)
7. PROPOSED HMA BIKE PATH - HMA SC MIX 'D', N70, 3"
8. PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
9. PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
10. PROPOSED TIE BARS
11. PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 4"
12. PROPOSED PIPE UNDERDRAINS 4" (MODIFIED)
13. PROPOSED TOPSOIL FURNISH AND PLACE, 4" WITH FERTILIZER AND SEEDING OR SOD
14. PROPOSED ORNAMENTAL FENCE
15. PROPOSED RETAINING WALL (SEE NOTE 2)
16. PROPOSED BRIDGE ABUTMENT (SEE NOTE 2)
17. HMA SURFACE REMOVAL 2", HMA SC "D" N70 2.00"
18. PROPOSED HMA SHOULDERS, 6"
19. PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
20. PROPOSED HMA BASE COURSE, 8"
21. PROPOSED HMA BINDER COURSE IL-19.0 N70 2.25"
22. PROPOSED HMA SURFACE COURSE "D" N70 1.75"
23. PROPOSED AGGREGATE SURFACE COURSE, TYPE A, 12"
24. PROPOSED CONCRETE GUTTER TYPE B
25. TOPSOIL FURNISH AND PLACE, 30"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% @ 70 Gyr.	2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 Gyr.	2-1/4"
BIKE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	4% @ 70 Gyr.	3"
COMMERCIAL ENTERANCE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% @ 70 Gyr.	2-1/2"
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 Gyr.	2"
TEMPORARY PAVEMENT (HMA BINDER COURSE, IL-19.0mm)	4% @ 50 Gyr.	6"

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE AND BINDER MIXTURES IS 112 LBS/SQ YD/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. FOR THE USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
3. THE CONTRACTOR SHALL HAVE THE OPTION OF USING PCC PAVEMENT 8.0" OR HMA PAVEMENT 8.0" FOR TEMPORARY PAVEMENT AS SPECIFIED IN THE SPECIAL PROVISIONS AND THE MIXTURE TABLE ON THIS SHEET. EITHER OPTION SHALL BE PLACED ON 4.0" SUBBASE GRANULAR MATERIAL, TYPE B (CA-6).
4. PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS.

STRUCTURAL PAVEMENT DESIGN INFORMATION BLOCK

STRUCTURAL DESIGN TRAFFIC: Year 2023

PV = 16,823 SU = 436 MU = 174

ROAD/STREET CLASSIFICATION: Class I

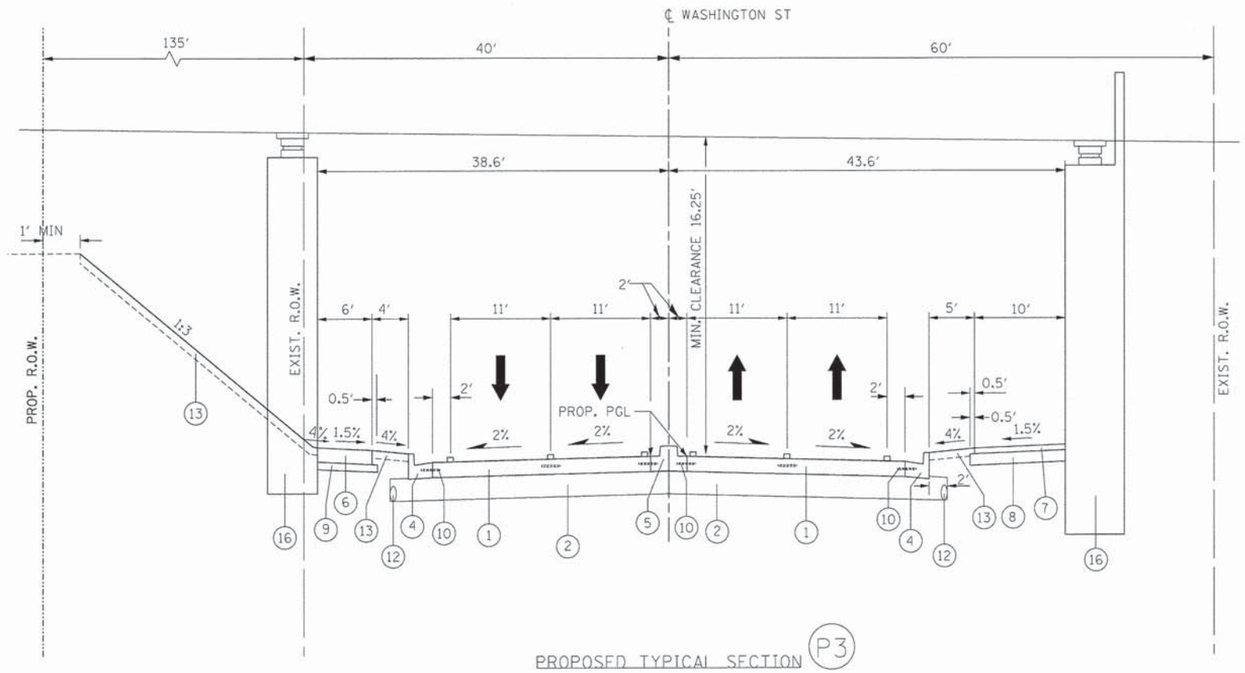
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P =96.5% S = 2.50% M = 1.00%

TRAFFIC FACTOR: Actual TF = 1.67

SUBGRADE SUPPORT RATING:

SSR = POOR IBR=2.0

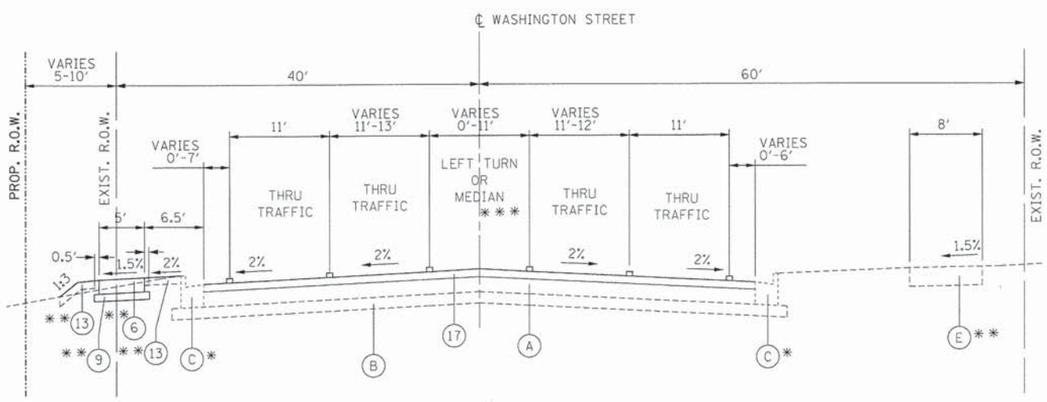


PROPOSED TYPICAL SECTION (P3)
(STA. 116+23.24), WASHINGTON STREET AT RAILROAD

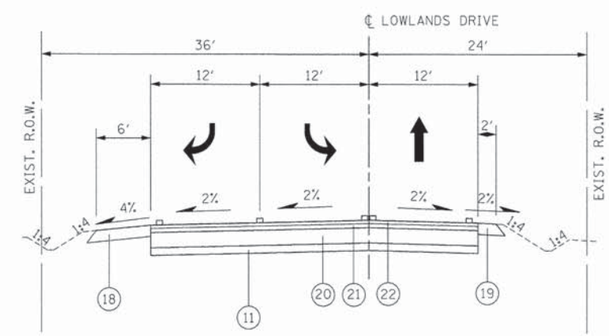
LEGEND:

- (A) EXISTING 12" BITUMINOUS PAVEMENT
- (B) EXISTING 6" GRAVEL SUBBASE
- (C) EXISTING B-6.24 CURB AND GUTTER
- (D) EXISTING 6" AGGREGATE SHOULDERS
- (E) EXISTING 10" BITUMINOUS BIKE PATH
- (A.1) EXISTING 2" BITUMINOUS SURFACE
- (A.2) EXISTING 2.25" BITUMINOUS BASE COURSE
- (B.1) EXISTING 10" AGGREGATE SUBBASE

- (1) PROPOSED PCC PAVEMENT 8" (JOINTED)
- (2) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- (3) PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.12
- (4) PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (5) PROPOSED CONCRETE MEDIAN, TYPE SB 6.12 (SEE NOTE 1)
- (6) PROPOSED PCC SIDEWALK 5" (SEE NOTE 1)
- (7) PROPOSED HMA BIKE PATH - HMA SC MIX 'D', N70, 3"
- (8) PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
- (9) PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- (10) PROPOSED TIE BARS
- (11) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (12) PROPOSED PIPE UNDERDRAINS 4" (MODIFIED)
- (13) PROPOSED TOPSOIL FURNISH AND PLACE, 4" WITH FERTILIZER AND SEEDING OR SOD
- (14) PROPOSED ORNAMENTAL FENCE
- (15) PROPOSED RETAINING WALL (SEE NOTE 2)
- (16) PROPOSED BRIDGE ABUTMENT (SEE NOTE 2)
- (17) HMA SURFACE REMOVAL 2", HMA SC "D" N70 2.00"
- (18) PROPOSED HMA SHOULDERS, 6"
- (19) PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- (20) PROPOSED HMA BASE COURSE, 8"
- (21) PROPOSED HMA BINDER COURSE IL-19.0 N70 2.25"
- (22) PROPOSED HMA SURFACE COURSE "D" N70 1.75"
- (23) PROPOSED AGGREGATE SURFACE COURSE, TYPE A, 12"
- (24) PROPOSED CONCRETE GUTTER TYPE B
- (25) TOPSOIL FURNISH AND PLACE, 30"



PROPOSED TYPICAL SECTION (P4)
STA. 124+69.47 TO STA. 143+00.00, WASHINGTON STREET
*OMISSION ON N SIDE FROM STA. 130+00-134+75
OMISSION ON S SIDE FROM STA. 132+83-134+89
**STA. 124+69.47 TO STA. 128+51.96
***LANDSCAPED MEDIAN STA. 97+56.22 TO STA. 102+98.00



PROPOSED TYPICAL SECTION (P5)
STA. 10+69.83 TO STA. 11+78.15, LOWLANDS DRIVE

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = erik	DESIGNED - AL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET PROPOSED TYPICAL SECTIONS
	PLOT CONFIG= $PLTDRVS$	DRAWN - AL	REVISED -		
	PLOT SCALE = $SCALESHORT$	CHECKED - EO	REVISED -		
	PLOT DATE = 7/16/2014 12:32:37 PM	DATE - 06-30-2014	REVISED -		SCALE: N.T.S. SHEET NO. TYP 3 OF 3 STA. 101+79.49 TO STA. 139+92.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	16
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

$FILE$

MAINLINE WASHINGTON STREET EARTHWORK			EARTH EXCAVATION (CUT) (CU YD)			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)			EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%) (CU YD)			EMBANKMENT (FILL) (CU YD)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
STATION	TO	STATION															
102+00.00	TO	102+50.00	0.00	0.00	0.00	0.00	0.00	20.30	0.00	0.00	0.00	0.00	0.00	13.43	0.00	0.00	-13.43
102+50.00	TO	103+18.77	0.00	0.00	0.00	0.00	0.00	38.10	0.00	0.00	0.00	0.00	0.00	27.16	0.00	0.00	-27.16
103+18.77	TO	104+00.00	0.00	0.00	0.00	0.00	90.19	53.45	0.00	0.00	0.00	0.00	51.80	39.94	0.00	-51.80	-39.94
104+00.00	TO	104+50.00	0.00	0.00	0.00	0.00	86.01	30.85	0.00	0.00	0.00	0.00	71.94	21.28	0.00	-71.94	-21.28
104+50.00	TO	105+00.00	0.00	30.00	0.00	0.00	82.49	31.81	0.00	25.50	0.00	0.00	114.65	37.26	0.00	-89.16	-37.26
105+00.00	TO	105+50.00	0.00	45.31	0.00	0.00	125.39	16.53	0.00	38.51	0.00	0.00	252.82	27.75	0.00	-214.31	-27.75
105+50.00	TO	105+58.58	0.00	5.37	0.00	0.00	25.69	0.00	0.00	4.56	0.00	0.00	44.42	0.00	0.00	-39.86	0.00
105+58.58	TO	106+00.00	0.00	18.09	0.00	0.00	124.41	0.00	0.00	15.38	0.00	0.00	185.50	0.00	0.00	-170.12	0.00
106+00.00	TO	106+50.00	0.00	7.55	0.00	0.00	129.94	0.00	0.00	6.41	0.00	0.00	273.39	0.00	0.00	-266.97	0.00
106+50.00	TO	107+00.00	0.00	1.66	0.00	0.00	124.68	0.00	0.00	1.41	0.00	0.00	272.64	0.00	0.00	-271.23	0.00
107+00.00	TO	107+50.00	0.00	0.00	0.00	0.00	139.09	0.00	0.00	0.00	0.00	0.00	275.34	0.00	0.00	-275.34	0.00
107+50.00	TO	108+00.00	0.00	0.00	0.00	0.00	139.46	0.00	0.00	0.00	0.00	0.00	247.51	0.00	0.00	-247.51	0.00
108+00.00	TO	108+50.00	0.00	5.72	0.00	0.00	136.81	0.00	0.00	4.86	0.00	0.00	206.56	0.00	0.00	-201.70	0.00
108+50.00	TO	108+81.00	0.00	21.36	0.00	0.00	79.78	0.00	0.00	18.16	0.00	0.00	80.31	0.00	0.00	-62.15	0.00
108+81.00	TO	109+28.67	0.00	108.40	0.00	0.00	98.24	0.00	0.00	92.14	0.00	0.00	67.98	0.00	0.00	24.16	0.00
109+28.67	TO	109+76.35	0.00	186.55	0.00	0.00	84.98	0.00	0.00	158.57	0.00	0.00	50.85	0.00	0.00	107.72	0.00
109+76.35	TO	110+00.00	0.00	121.87	0.00	0.00	43.25	0.00	0.00	103.59	0.00	0.00	14.39	0.00	0.00	89.20	0.00
110+00.00	TO	110+50.00	0.00	388.57	0.00	0.00	73.41	0.00	0.00	330.29	0.00	0.00	11.96	0.00	0.00	318.33	0.00
110+50.00	TO	111+00.00	0.00	599.50	0.00	0.00	63.67	0.00	0.00	509.57	0.00	0.00	1.78	0.00	0.00	507.79	0.00
111+00.00	TO	111+50.00	0.00	856.73	0.00	0.00	74.93	0.00	0.00	728.22	0.00	0.00	1.08	0.00	0.00	727.14	0.00
111+50.00	TO	112+00.00	0.00	1144.83	0.00	0.00	88.06	0.00	0.00	973.11	0.00	0.00	2.33	0.00	0.00	970.78	0.00
112+00.00	TO	112+50.00	0.00	1400.97	0.00	0.00	146.36	0.00	0.00	1190.82	0.00	0.00	4.56	0.00	0.00	1186.26	0.00
112+50.00	TO	113+00.00	0.00	1646.80	0.00	0.00	240.84	0.00	0.00	1399.78	0.00	0.00	3.90	0.00	0.00	1395.88	0.00
113+00.00	TO	113+50.00	0.00	1979.69	0.00	0.00	297.14	0.00	0.00	1682.74	0.00	0.00	3.19	0.00	0.00	1679.55	0.00
113+50.00	TO	114+00.00	0.00	2327.48	0.00	0.00	312.61	0.00	0.00	1978.36	0.00	0.00	6.36	0.00	0.00	1972.00	0.00
114+00.00	TO	114+50.00	0.00	2429.38	12.40	0.00	501.04	25.25	0.00	2064.98	10.54	0.00	7.22	4.56	0.00	2057.75	5.99
114+50.00	TO	115+00.00	0.00	2512.07	48.46	0.00	681.62	53.06	0.00	2135.26	41.19	0.00	5.80	8.09	0.00	2129.47	33.10
115+00.00	TO	115+45.53	0.00	2370.92	32.83	0.00	621.71	25.32	0.00	2015.28	27.91	0.00	6.72	3.22	0.00	2008.56	24.69
115+45.53	TO	115+77.60	0.00	1481.03	0.00	0.00	364.16	0.00	0.00	1258.88	0.00	0.00	6.49	0.00	0.00	1252.39	0.00
115+77.60	TO	116+28.84	0.00	2152.50	0.00	0.00	412.92	0.00	0.00	1829.63	0.00	0.00	5.73	0.00	0.00	1823.90	0.00
116+28.84	TO	116+48.60	0.00	843.68	0.00	0.00	145.90	0.00	0.00	717.13	0.00	0.00	0.00	0.00	0.00	717.13	0.00
116+48.60	TO	116+68.57	0.00	957.59	0.00	0.00	159.22	0.00	0.00	813.95	0.00	0.00	0.00	0.00	0.00	813.95	0.00
116+68.57	TO	117+00.00	0.00	1784.75	35.08	0.00	358.43	39.16	0.00	1517.03	29.81	0.00	0.00	10.39	0.00	1517.03	19.43
117+00.00	TO	117+50.00	0.00	2902.49	95.44	0.00	838.57	126.92	0.00	2467.12	81.12	0.00	7.53	43.25	0.00	2459.58	37.88
117+50.00	TO	118+00.00	0.00	2660.86	44.74	0.00	972.00	108.49	0.00	2261.73	38.03	0.00	29.80	47.06	0.00	2231.93	-9.03
118+00.00	TO	118+40.03	0.00	1920.81	4.08	0.00	689.59	35.12	0.00	1632.69	3.47	0.00	32.65	16.29	0.00	1600.04	-12.81
118+40.03	TO	119+00.00	0.00	2377.00	0.00	0.00	835.48	0.00	0.00	2020.45	0.00	0.00	29.29	0.00	0.00	1991.16	0.00
119+00.00	TO	119+50.00	0.00	1428.09	0.00	0.00	662.56	0.00	0.00	1213.87	0.00	0.00	7.24	0.00	0.00	1206.64	0.00
119+50.00	TO	120+00.00	0.00	959.95	0.00	0.00	674.65	0.00	0.00	815.96	0.00	0.00	6.20	0.00	0.00	809.76	0.00
120+00.00	TO	120+50.00	0.00	554.65	0.00	0.00	714.71	0.00	0.00	471.45	0.00	0.00	12.13	0.00	0.00	459.33	0.00
120+50.00	TO	121+00.00	0.00	203.94	20.49	19.89	791.49	7.68	0.00	173.35	17.41	66.27	44.99	0.58	-66.27	128.36	16.83
121+00.00	TO	121+10.15	0.00	7.21	6.96	9.25	168.41	3.28	0.00	6.13	5.91	47.16	15.95	0.21	-47.16	-9.82	5.70
121+10.15	TO	121+43.11	0.00	6.34	36.44	37.95	509.21	26.61	0.00	5.39	30.97	171.06	67.67	57.07	-171.06	-62.29	-26.10
121+43.11	TO	121+50.00	0.00	0.00	5.72	4.39	99.34	12.46	0.00	0.00	4.86	12.88	18.76	34.60	-12.88	-18.76	-29.74
121+50.00	TO	122+00.00	0.00	0.00	0.00	0.00	711.86	102.84	0.00	0.00	0.00	0.00	196.03	200.83	0.00	-196.03	-200.83
122+00.00	TO	122+50.00	50.01	0.00	3.75	14.63	650.94	49.56	42.51	0.00	3.19	0.48	314.52	35.83	42.03	-314.52	-32.65
122+50.00	TO	123+00.00	86.80	0.00	5.43	15.93	592.69	15.85	73.78	0.00	4.61	0.88	417.91	0.87	72.90	-417.91	3.75
123+00.00	TO	123+50.00	56.03	0.00	4.88	2.32	594.57	23.09	47.62	0.00	4.15	0.79	477.00	7.10	46.83	-477.00	-2.95
123+50.00	TO	124+00.00	32.62	0.00	5.58	1.40	575.49	23.71	27.73	0.00	4.75	0.40	486.75	13.59	27.33	-486.75	-8.85
124+00.00	TO	124+50.00	25.52	0.00	4.30	0.43	572.18	21.91	21.69	0.00	3.66	0.00	495.25	14.19	21.69	-495.25	-10.53
124+50.00	TO	125+00.00	12.15	0.00	1.93	0.04	296.84	20.81	10.33	0.00	1.64	0.00	260.40	13.25	10.33	-260.40	-11.61
125+00.00	TO	125+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125+00.00	TO	126+00.00	0.00	0.00	0.00	31.31	0.00	0.00	0.00	0.00	0.00	20.34	0.00	0.00	-20.34	0.00	0.00
126+00.00	TO	126+50.00	0.00	0.00	0.00	19.56	0.00	0.00	0.00	0.00	0.00	10.21	0.00	0.00	-10.21	0.00	0.00
126+50.00	TO	127+00.00	0.00	0.00	0.00	19.24	0.00	0.00	0.00	0.00	0.00	9.92	0.00	0.00	-9.92	0.00	0.00
127+00.00	TO	127+50.00	0.00	0.00	0.00	18.13	0.00	0.00	0.00	0.00	0.00	8.85	0.00	0.00	-8.85	0.00	0.00
127+50.00	TO	128+00.00	0.00	0.00	0.00	19.13	0.00	0.00	0.00	0.00	0.00	8.93	0.00	0.00	-8.93	0.00	0.00
		TOTALS (CU YD) =	264	38,450	369	214	17,003	913	224	32,683	314	359	5,198	678	-135	27,485	-364

ROADWAY RUN-AROUND EARTHWORK			EARTH EXCAVATION (CUT) (CU YD)			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)			EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%) (CU YD)			EMBANKMENT (FILL) (CU YD)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
STATION	TO	STATION															
11+00.00	TO	11+24.96	2.38	0.00	0.00	6.73	0.00	0.00	2.02	0.00	0.00	3.46	0.00	0.00	-1.44	0.00	0.00
11+24.96	TO	12+00.00	31.13	0.00	0.60	42.62	0.00	16.90	26.46	0.00	0.51	10.96	0.00	38.82	15.49	0.00	-38.31
12+00.00	TO	12+56.66	38.93	0.00	0.45	61.16	0.00	27.21	33.09	0.00	0.38	11.69	0.00	89.07	21.40	0.00	-88.68
12+56.66	TO	13+00.00	16.33	0.00	13.52	60.26	0.00	20.98	13.88	0.00	11.49	36.40	0.00	53.58	-22.53	0.00	-42.09
13+00.00	TO	14+00.00	6.91	0.00	97.54	152.93	0.00	68.37	5.87	0.00	82.91	187.07	0.00	40.23	-181.19	0.00	42.67
14+00.00	TO	15+00.00	32.01	0.00	72.89	165.09	0.00	119.31	27.21	0.00	61.96	163.93	0.00	99.33	-136.72	0.00	-37.37
15+00.00	TO	16+00.00	72.02	0.00	6.96	172.66	0.00	125.74	61.22	0.00	5.92	70.20	0.00	187.41	-8.99	0.00	-181.49
16+00.00	TO	17+00.00	61.16	0.00	6.03	166.13	0.00	104.68	51.98	0.00	5.12	56.89	0.00	172.18	-4.91	0.00	-167.05
17+00.00	TO	17+68.26	50.02	0.00	28.18	54.54	0.00	54.99	42.52	0.00	23.95	30.17	0.00	62.64	12.35	0.00	-38.69
17+68.26	TO	18+00.00	30.17	0.00	11.32	26.71	0.00	23.29	25.65	0.00	9.62	5.06	0.00	41.02	20.59	0.00	-31.40
18+00.00	TO	19+00.00	79.39	0.00	0.14	156.81	0.00	88.13	67.48	0.00	0.12	18.15	0.00	175.34	49.33	0.00	-175.22
19+00.00	TO	20+00.00	72.16	0.00	0.24	145.37	0.00	85.91	61.33	0.00	0.20	23.68	0.00	158.82	37.66	0.00	-158.62
20+00.00	TO	21+00.00	33.49	0.00	68.94	140.31	0.00	88.56	28.47	0.00	58.59	128.38	0.00	97.29	-99.91	0.00	-38.69
21+00.00	TO	22+00.00	0.28	0.00	331.50	138.32	48.31	93.71	0.24	0.00	281.78	418.45	70.44	14.52	-418.21	-70.44	267.26
22+00.00	TO	23+00.00	0.00	0.00	876.06	149.32	106.19	103.01	0.00	0.00	744.66	796.47	258.81	0.31	-796.47	-258.81	744.34
23+00.00	TO	23+60.11	0.00	0.00	642.55	90.53	57.67	54.37	0.00	0.00	546.17	499.92	223.82	0.07	-499.92	-223.82	546.10
23+60.11	TO	23+78.69	0.00	0.01	123.04	24.10	13.16	10.12	0.00	0.00	104.59	103.26	57.07	4.64	-103.26	-57.06	99.95
23+78.69	TO	23+89.42	0.00	0.36	40.22	12.46	11.52	8.07	0.00	0.31	34.19	40.57	36.60	2.75	-40.57	-36.30	31.44
23+89.42	TO	23+99.59	0.10	0.56	24.13	9.40	11.78	8.41	0.09	0.47	20.51	27.69	34.14	0.75	-27.60	-33.66	19.76
23+99.59	TO	24+27.52	0.28	0.60	189.36	23.29	20.42	27.58	0.24	0.51	160.96	99.71	56.90	1.91	-99.47	-56.39	159.04
24+27.52	TO	24+56.51	0.62	0.00	303.52	24.90	9.23	35.17	0.53	0.00	257.99	109.10	24.94	0.13	-108.57	-24.94	257.86
24+56.51	TO	24+85.83	0.63	0.00	218.50	29.92	0.00	25.47	0.54	0.00	185.72	145.01	0.00	0.17	-144.48	0.00	185.55
24+85.83	TO	25+11.06	0.00	0.00	137.53	34.83	0.00	22.69	0.00	0.00	116.90	169.90	0.00	0.12	-169.90	0.00	116.77
25+11.06	TO	25+18.81	0.00	0.00	27.80	10.67	0.00	6.23	0.00	0.00	23.63	40.99	0.00	0.02	-40.99	0.00	23.61
25+18.81	TO	26+00.00	73.83	0.00	98.02	114.96	0.00	41.77	62.76	0.00	83.32	184.26	0.00	81.60	-121.50	0.00	1.72
26+00.00	TO	27+00.00	188.46	0.00	0.00	148.33	0.00	70.01	160.19	0.00	0.00	9.60	0.00	259.40	150.59	0.00	-259.40
27+00.00	TO	28+00.00	97.53	0.00	298.06	147.30	0.00	103.15	82.90	0.00	253.35	396.47	0.00	159.51	-313.57	0.00	93.84
28+00.00	TO	29+00.00	0.00	0.00	652.19	179.02	0.00	116.59	0.00	0.00	554.37	911.12	0.00	1.38	-911.12	0.00	552.99
29+00.00	TO	29+29.00	0.00	0.00	153.96	60.28	0.00	34.13	0.00	0.00	130.87	252.56	0.00	7.46	-252.56	0.00	123.41
29+29.00	TO	30+00.00	0.00	0.00	386.27	149.80	0.00	71.89	0.00	0.00	328.33	807.89	0.00	27.57	-807.89	0.00	300.76
30+00.00	TO	31+00.00	0.00	0.00	510.77	179.32	0.00	105.68	0.00	0.00	434.15	1017.41	0.00	16.63	-1017.41	0.00	417.52
31+00.00	TO	32+00.00	14.36	0.00	144.99	114.50	0.00	77.90	12.21	0.00	123.24	248.45	0.00	45.97	-236.24	0.00	77.27
32+00.00	TO	32+27.58	14.88	0.00	0.66	20.51	0.00	7.58	12.65	0.00	0.56	5.33	0.00	24.30	7.32	0.00	-23.74
32+27.58	TO	33+00.00	39.49	0.00	1.89	42.12	0.00	19.83	33.56	0.00	1.61	10.51	0.00	50.90	23.06	0.00	-49.29
33+00.00	TO	33+77.28	12.48	0.00	1.49	22.33	0.00	15.68	10.61	0.00	1.27	9.73	0.00	20.01	0.87	0.00	-18.74
		TOTALS (CU YD) =	970	2	5,470	3,078	279	1,884	824	2	4,649	7,051	763	1,936	-6,227	-761	2,713

EARTHWORK SUMMARY TABLE

LOCATION	EARTH EXCAVATION (CUT) (CU YD)			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)			EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%) (CU YD)			EMBANKMENT (FILL) (CU YD)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)		
	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
BASIN 1					378.92										
BASIN 2	8,262.40			1,823.07			7,023.04						7,023.04		
RAIL	1,511.90		14,979.89	2,003.72		84.99	1,285.11		12,732.90	14,431.40		1,298.67	-13,146.29		11,434.23
ROADWAY RUNAROUND	970.00	2.00	5,470.00	3,078.00	279.00	1,884.00	824.00	2.00	4,649.00	7,051.00	763.00	1,936.00	-6,227.00	-761.00	2,713.00
WASHINGTON STREET	264.00	38,450.00	369.00	214.00	17,003.00	913.00	224.00	32,683.00	314.00	359.00	5,198.00	678.00	-135.00	27,485.00	-364.00
TOTALS (CU YD) =	11,009	38,452	20,819	7,119	17,661	2,882	9,357	32,685	17,696	21,842	5,961	3,913	-12,486	26,724	13,784

20200100 EARTH EXCAVATION = 70,280 CU YD
20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 27,665 CU YD
20400800 FURNISHED EXCAVATION = 12,490 CU YD

(20100110) TREE REMOVAL (6-15)			
TREE #	STATION	OFFSET	UNIT
WASH/RUNAROUND			
887	101+81.61	-44.2	14
888	101+85.42	-43.2	7
888	101+88.25	-44.0	7
897	101+98.28	-41.3	8
895	102+09.46	-44.4	11
900	102+18.20	-41.1	14
1672	102+32.60	-37.9	15
892	102+62.12	-42.5	7
1810	103+02.67	-50.1	7
1671 (MS)	103+02.80	-48.2	9
1671 (MS)	103+02.80	-48.2	8
1809	103+04.48	-50.6	7
1668 (MS)	103+31.71	-45.0	8
1668 (MS)	103+31.71	-45.0	8
1666	103+86.59	-42.9	10
1665 (MS)	104+07.56	-42.4	11
1665 (MS)	104+07.56	-42.4	11
1664	104+30.75	-44.6	11
1663	104+33.57	-45.4	9
1811	104+43.08	-47.1	7
1662 (MS)	104+71.18	-42.1	12
1662 (MS)	104+71.18	-42.1	14
2001	115+14.11	-65.7	6
2000	115+28.44	-67.4	6
2002 (MS)	115+27.25	-75.2	8
2002 (MS)	115+27.25	-75.2	8
2002 (MS)	115+27.25	-75.2	10
2004	115+13.76	-97.4	12
2005	115+12.44	-101.2	13
2006 (MS)	115+02.97	-111.9	10
2006 (MS)	115+02.97	-111.9	10
2006 (MS)	115+02.97	-111.9	10
2009 (MS)	114+77.39	-155.4	12
2009 (MS)	114+77.39	-155.4	6
2010	114+70.60	-155.7	6
WASHINGTON			
NO TAG	105+74.27	-52.5	10
NO TAG	105+83.97	-50.9	8
1661	106+10.36	-44.3	10
NO TAG	106+41.36	-44.3	8
1660 (MS)	106+53.04	-43.9	8
1660 (MS)	106+53.04	-43.9	6
1659 (MS)	107+24.98	-41.7	12
1659 (MS)	107+24.98	-41.7	12
1657 (MS)	108+07.32	-41.1	15
1656	108+15.98	-41.9	8
1655	108+37.66	-42.0	14
1989	108+39.29	-42.3	7
1654 (MS)	108+78.71	-40.6	11
1654 (MS)	108+78.71	-40.6	12
1654 (MS)	108+78.71	-40.6	13
1653	109+92.76	-54.6	9
1987	110+00.28	-51.8	7
1652	110+05.95	-51.3	8
1651	110+14.47	-54.4	11
1649	111+41.93	-40.8	9
1648	111+44.88	-36.7	13
1988	111+65.13	-38.7	10
1646 (MS)	111+68.22	-37.6	11
1646 (MS)	111+68.22	-37.6	13
1645 (MS)	111+74.81	-37.8	9
1645 (MS)	111+74.81	-37.8	11
1644 (MS)	111+78.44	-37.3	7
1644 (MS)	111+78.44	-37.3	9
1644 (MS)	111+78.44	-37.3	10
1643	111+94.73	-37.2	11
1642 (MS)	112+16.68	-36.1	12
1642 (MS)	112+16.68	-36.1	12
1642 (MS)	112+16.68	-36.1	15
1986	112+67.57	-36.6	7
1639	113+07.49	-39.3	10
1638	113+09.80	-39.0	9
1637	113+10.36	-41.5	12
1636	113+13.94	-39.2	11
1635	113+29.46	-38.1	15
1634 (MS)	113+32.91	-39.2	10
1634 (MS)	113+32.91	-39.2	13
1633	113+39.08	-37.8	12

(20100110) TREE REMOVAL (6-15)			
TREE #	STATION	OFFSET	UNIT
1632	113+42.88	-37.7	14
1631	113+68.04	-34.3	11
1630	113+77.29	-40.1	11
1629	113+82.28	-38.9	11
1628	114+00.94	-45.9	8
1627 (MS)	114+17.31	-38.5	14
1626	114+45.30	-40.9	15
1951	118+64.97	-34.2	6
1950	118+96.39	-35.8	6
1949	119+95.41	-35.4	6
1758 (MS)	120+63.70	-40.5	9
1758 (MS)	120+63.70	-40.5	9
1946	120+74.58	-36.6	6
1945	121+27.38	-38.1	6
1944	121+82.79	-38.9	6
1943	122+33.36	-40.1	6
1940	123+80.88	-43.7	6
1938	124+76.97	-44.0	6
1937	125+26.46	-44.2	6
1936	125+70.58	-44.4	6
1593	109+35.60	57.4	10
1594	109+40.04	48.7	13
1595	109+50.72	48.8	14
1596	109+60.79	49.1	13
1597	109+71.45	49.1	13
1598	109+81.88	49.1	9
1599	109+92.62	49.2	13
1600	110+03.37	49.6	11
1603	110+13.21	49.7	15
1604	110+24.16	49.5	14
1605	110+33.97	49.8	14
1606	110+45.35	49.6	13
1609	112+06.85	50.0	9
1610	112+17.08	50.6	7
1611	112+27.39	50.5	10
1613	112+36.68	48.0	13
1612	112+38.21	50.6	7
1614	112+59.80	51.2	11
1617 (MS)	113+37.05	58.8	6
1617 (MS)	113+37.05	58.8	8
1617 (MS)	113+37.05	58.8	9
1618	113+66.69	59.7	13
1620	114+16.50	58.9	11
1621 (MS)	114+36.75	58.5	11
1621 (MS)	114+36.75	58.5	12
1622 (MS)	114+57.53	58.6	13
1622 (MS)	114+57.53	58.6	14
1623 (MS)	114+76.56	58.7	11
1623 (MS)	114+76.56	58.7	13
1624 (MS)	114+97.36	58.7	15
1624 (MS)	114+97.36	58.7	15
1625	115+16.83	58.9	10
1625	115+16.83	58.9	11
1961	117+63.06	45.9	7
1960	117+63.47	88.2	8
1750	118+53.68	47.1	8
1963	119+06.06	46.3	6
1965	120+08.20	46.6	7
1966	120+56.30	48.2	6
NO TAG	120+98.03	48.1	12
1971	121+59.35	46.7	6
NO TAG	123+06.26	46.5	6
1746	122+56.36	43.3	8
1742	123+56.73	45.0	7
RR TRACKS			
RR	113+05.85	-588.9	8
RR	113+05.85	-588.9	9
RR	112+99.12	-603.7	13
RR	113+01.43	-602.6	8
RR	113+01.43	-602.6	9
RR	113+01.43	-602.6	11
RR	113+03.86	-605.4	8
RR	113+03.86	-605.4	9
RR	113+03.86	-605.4	11
RR	113+11.61	-608.5	8
RR	113+11.61	-608.5	8
RR	113+11.61	-608.5	9
RR	112+90.70	-623.9	8
RR	112+90.70	-623.9	8
RR	112+90.70	-623.9	7
RR	112+90.31	-631.2	8
RR	112+90.31	-631.2	8

(20100110) TREE REMOVAL (6-15)			
TREE #	STATION	OFFSET	UNIT
RR	112+90.31	-631.2	8
RR	112+86.55	-636.8	15
RR	112+72.91	-688.7	6
RR	112+72.91	-688.7	8
RR	112+72.91	-688.7	8
RR	112+56.14	-695.6	8
RR	112+56.14	-695.6	9
RR	112+56.14	-695.6	13
RR	112+56.79	-696.0	8
RR	112+56.79	-696.0	8
RR	112+56.79	-696.0	6
RR	112+49.56	-697.4	8
RR	112+49.56	-697.4	6
RR	112+49.56	-697.4	7
RR	112+14.29	-796.6	8
RR	112+14.29	-796.6	8
RR	112+14.29	-796.6	13
RR	111+56.11	-911.4	6
RR	111+56.11	-911.4	6
RR	111+56.11	-911.4	8
RR	111+49.46	-918.7	6
RR	111+49.46	-918.7	8
RR	111+35.33	-936.4	6
RR	111+35.33	-936.4	8
PARKER PROPERTY			
29166 (MS)	117+20.20	-162.9	9
29166 (MS)	117+20.20	-162.9	14
29165 (MS)	117+31.40	-161.6	6
29165 (MS)	117+31.40	-161.6	12
29165 (MS)	117+31.40	-161.6	15
29153	118+77.80	-148.3	15
29154	118+80.06	-149.5	11
29155	118+77.99	-140.4	8
29156	118+85.77	-129.4	6
HARYAN WAY			
41H	007+98.82	88.1	13
39H	007+25.20	82.0	11
29H (MS)	006+64.91	100.7	7
29H (MS)	006+64.91	100.7	7
		TOTAL (UNIT):	1,881

(20100210) TREE REMOVAL (OVER 15)			
TREE #	STATION	OFFSET	UNITS
WASH/RUNAROUND			
1669	103+18.54	-42.8267	25
1667 (MS)	103+73.69	-43.7853	22
1667 (MS)	103+73.69	-43.7853	20
1665 (MS)	104+07.56	-42.3899	21
1662 (MS)	104+71.18	-42.059	17
2003	115+17.29	-92.77	16
2007	115+00.98	-114.205	18
2008	114+81.08	-152.511	18
WASHINGTON			
1658	107+76.03	-41.8353	17
1657 (MS)	108+07.32	-41.0941	16
1650	111+25.90	-36.7084	18
1647	111+55.23	-37.657	22
1642 (MS)	112+16.68	-36.1255	18
1641	112+67.57	-36.5898	44
1640	113+00.41	-38.7335	16
1627 (MS)	114+17.31	-38.499	32
1757	119+81.37	-40.6641	19
1615	112+96.79	59.184	28
1616	113+17.68	58.6256	20
1619	113+96.62	58.3593	17
866	115+36.07	58.5775	19
RR TRACKS			
RR	113+05.85	-588.91	20
RR	112+73.37	-672.51	16
RR	112+21.92	-734.66	17
RR	112+19.15	-754.35	18
RR	112+21.74	-760.07	19
RR	111+77.62	-838.53	21
RR	111+83.04	-838.92	20
RR	111+50.83	-863.02	22
PARKER PROPERTY			
29157	118+91.10	-126.3	30
10108	118+91.92	-121.38	34
		TOTAL (UNITS):	660

78300100 (PAVEMENT MARKING REMOVAL)					
PVMT MARKING TYPE	ROAD	STATION	TO	STATION	AREA (SQ FT)
EDGE LINE	WASHINGTON	107+12.40	TO	110+00.00	95.87
EDGE LINE	WASHINGTON	110+00.00	TO	111+34.98	44.99
EDGE LINE	WASHINGTON	117+00.00	TO	122+35.00	356.67
EDGE LINE	WASHINGTON	124+69.47	TO	128+18.05	116.19
SKIP-DASH	WASHINGTON	124+68.47	TO	128+18.19	58.29
SKIP-DASH	WASHINGTON	129+51.76	TO	143+00.00	112.35
TURN LANE SKIP-DASH	WASHINGTON	137+46.00	TO	143+00.00	92.33
TURN LANE LINE	WASHINGTON	137+46.00	TO	143+00.00	369.33
DBL YELLOW	WASHINGTON	107+12.40	TO	110+00.00	198.73
DBL YELLOW	WASHINGTON	110+00.00	TO	125+00.00	1274.95
DBL YELLOW	WASHINGTON	125+00.00	TO	137+46.00	1216.91
DBL YELLOW	LOWLANDS	10+42.79	TO	12+49.46	137.78
DOTTED	LOWLANDS	11+30.09	TO	12+40.12	10.46
DOTTED	WASHINGTON	131+52.75	TO	133+99.67	20.58
TURN LANE LINE	WASHINGTON	107+51.89	TO	108+76.91	62.51
TURN LANE LINE	WASHINGTON	126+18.22	TO	128+18.19	99.99
TURN LANE LINE	WASHINGTON	129+51.76	TO	131+52.75	100.50
TURN LANE LINE	LOWLANDS	10+42.79	TO	11+30.09	43.65
MEDIAN DIAG	WASHINGTON	109+71.37	TO	114+17.99	337.94
MEDIAN DIAG	WASHINGTON	122+45.11	TO	125+28.92	60.66
MEDIAN DIAG	WASHINGTON	132+76.94	TO	137+44.20	114.22
STOP BAR	LOWLANDS	10+42.79	TO	10+42.79	48.00
STOP BAR	WASHINGTON	128+18.05	TO	128+18.05	81.17
STOP BAR	WASHINGTON	129+51.76	TO	129+51.76	87.22
RR CROSSING	WASHINGTON	111+19.71	TO	111+71.60	89.60
RR CROSSING	WASHINGTON	121+07.00	TO	121+58.00	89.60
ARROW & ONLY	WASHINGTON	107+63.34	TO	107+96.36	36.40
ARROW & ONLY	WASHINGTON	126+27.88	TO	126+59.20	36.40
ARROW & ONLY	WASHINGTON	127+75.44	TO	128+08.18	36.40
ARROW & ONLY	WASHINGTON	129+62.29	TO	129+95.27	36.40
ARROW & ONLY	WASHINGTON	131+10.58	TO	131+43.42	36.40
ARROW & ONLY	LOWLANDS	10+95.01	TO	11+27.64	72.80
MOT EDGE LINE	WASHINGTON	97+22.00	TO	104+28.10	411.77
MOT EDGE LINE	WASHINGTON	123+78.85	TO	124+69.47	30.40
MOT DBL YELLOW	WASHINGTON	101+63.06	TO	103+94.11	103.94
MOT DBL YELLOW	WASHINGTON	124+29.69	TO	124+69.47	26.84
MOT CROSSWALK	WASHINGTON	102+46.74	TO	102+58.09	96.00
MOT EDGE LINE	HARYAN	9+17.44	TO	9+86.62	53.04
MOT DBL YELLOW	HARYAN	9+25.80	TO	9+88.79	88.42
MOT TURN LANE LINE	HARYAN	9+38.12	TO	9+86.87	24.37
MOT STOP BAR	HARYAN	9+87.82	TO	9+87.97	53.01
MOT MEDIAN DIAG	HARYAN	9+39.95	TO	9+87.30	102.74
				TOTAL (SQ FT):	6,566

(D2001788) EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED		
STATION	OFFSET	EACH
103+46.05	520.81' RT	1
104+03.68	189.23' RT	1
104+08.04	397.56' RT	1
110+65.10	54.6' RT	1
110+80.30	54.4' RT	1
110+95.30	54.1' RT	1
111+09.90	53.7' RT	1
111+25.00	53.6' RT	1
112+02.10	52.3' RT	1
112+16.60	52.1' RT	1
112+31.60	51.7' RT	1
112+46.80	51.6' RT	1
112+61.80	51.4' RT	1
112+76.30	51.2' RT	1
112+91.50	51.2' RT	1
113+66.70	52.2' RT	1
113+81.20	52.1' RT	1
113+96.20	51.9' RT	1
114+11.40	52.0' RT	1
114+26.40	52.0' RT	1
114+40.90	52.0' RT	1
114+56.00	52.2' RT	1
115+31.10	52.8' RT	1
115+45.60	52.6' RT	1
115+60.50	52.3' RT	1
115+75.70	52.2' RT	1
115+90.60	52.2' RT	1
118+08.60	184.2' RT	1
118+18.90	201.3' RT	1
118+36.00	207.5' RT	1
118+38.80	228.5' RT	1
118+44.30	242.4' RT	1
118+53.90	259.9' RT	1
118+54.50	231.4' RT	1
118+54.70	216.4' RT	1
118+64.30	242.8' RT	1
118+73.30	254.8' RT	1
126+29.49	231.06' LT	1
126+40.23	241.53' LT	1
126+49.35	229.69' LT	1
126+65.42	245.10' LT	1
126+83.27	236.08' LT	1
126+99.76	247.38' LT	1
128+30.74	295.34' LT	1
128+30.74	416.10' LT	1
128+30.74	402.43' LT	1
128+30.74	410.11' LT	1
128+30.74	421.06' LT	1
128+30.74	416.67' LT	1
128+30.74	403.55' LT	1
128+30.74	419.10' LT	1
128+30.74	399.40' LT	1
128+37.51	276.52' LT	1
	PAY ITEM TOTAL (EACH):	53

(X0326899) SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)			
STATION	OFFSET	DESCRIPTION	EACH
109+93.00	34.9' RT	LOWLANDS DR	1
110+06.10	34.8' LT	LOWLANDS DR	1
		PAY ITEM TOTAL (EA):	2

Z0070200 SURVEY MONUMENTS			
STATION	OFFSET	LT/RT	EACH
105+00.00	50.00	LT	1
105+00.00	55.00	LT	1
108+96.67	55.00	LT	1
109+56.52	56.27	LT	1
113+83.10	175.00	LT	1
114+67.77	175.00	LT	1
115+84.39	175.00	LT	1
117+56.06	175.00	LT	1
121+12.94	124.65	LT	1
124+80.00	124.65	LT	1
125+00.00	124.65	LT	1
125+00.00	45.00	LT	1
127+66.90	45.00	LT	1
124+10.10	424.34	LT	1
124+12.43	224.87	LT	1
128+43.15	424.34	LT	1
128+45.48	224.87	LT	1
		TOTAL (EACH):	17

(D2002996) EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 10' HEIGHT, BALLED AND BURLAPPED		
STATION	OFFSET	EACH
112+57.20	62.7' LT	1
112+85.50	71.6' LT	1
113+13.70	77.7' LT	1
118+25.90	51.6' LT	1
119+36.30	78.3' LT	1
119+66.30	78.1' LT	1
119+92.70	84.9' LT	1
	PAY ITEM TOTAL (EACH):	7

(K0012990) PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT						
STATION	OFFSET	TO	STATION	OFFSET	QUANTITY	UNIT
RUSSIAN SAGE						
98+00.00	CL	TO	98+67.00	CL	131	
101+78.00	CL	TO	102+49.00	CL	144	
109+53.20	LT	TO	109+58.70	LT	28	
110+10.90	CL	TO	110+26.00	CL	26	
122+98.00	CL	TO	123+30.00	CL	58	
123+96.00	CL	TO	124+30.00	CL	75	
				SUBTOTAL:	462	4.6
BLAZING STAR						
110+10.90	CL	TO	110+26.00	CL	25	
122+98.00	CL	TO	123+30.00	CL	59	
123+96.00	CL	TO	124+30.00	CL	75	
				SUBTOTAL:	159	1.6
KARL FOERSTER GRASS						
109+53.20	LT	TO	109+58.70	LT	8	
				SUBTOTAL:	8	0.1
HAMELN DWARF FOUNTAIN GRASS						
109+53.20	LT	TO	109+58.70	LT	50	
				SUBTOTAL:	50	0.5
BLACK EYED SUSAN						
98+00.00	CL	TO	98+67.00	CL	127	
101+78.00	CL	TO	102+49.00		136	
				SUBTOTAL:	263	2.6
				PAY ITEM TOTAL (UNIT):		9.4

TOPSOIL, SEEDING, SODDING, FERTILIZER, AND EROSION CONTROL BLANKET												
FROM	TO	LEFT OR RIGHT	(21101615) TOPSOIL F&P, 4"	(21101695) TOPSOIL F&P, 30"	(25000115) SEEDING, CLASS 1B	(25000210) SEEDING, CLASS 2A	(25000312) SEEDING, CLASS 4A	(X2502014) SEEDING, CLASS 4A (MODIFIED)	(25000314) SEEDING, CLASS 4B	(25200110) SODDING, SALT TOLERANT	(25000400) NITROGEN FERTILIZER	(25000600) POTASSIUM FERTILIZER
			SQ YD	SQ YD	ACRE	ACRE	ACRE	ACRE	ACRE	SQ YD	POUND	POUND
97+64	102+84	CL	461	461		0.10					9	9
101+50	109+00	LT	7,650			0.30	1.28				23	23
109+58	116+66	LT	9,249		1.41	0.09		0.42			134	134
116+66	125+00	LT	13,043		2.02	0.08		0.60			188	188
124+80	125+00	LT	223				0.05					
125+00	127+50	LT	302			0.04	0.02				4	4
124+12	128+45	LT	6,195				0.96		0.32			
103+50	117+00	RT	3,025		0.28	0.16	0.19				39	39
117+00	125+00	RT	1,350			0.11	0.08			446	10	10
109+80	109+96	CL		13								
110+04	110+45	CL		23								
122+63	124+62	CL		178								
Lake/Washington	SE CORNER		3									
Lake/Washington	SW CORNER		15									
Lake/Washington	NE CORNER		6									
RR ROW												
2444+00	2454+00	RT	5,389				1.01		0.10			
2456+65	2473+75	RT	10,938				2.26					
2444+00	2454+00	LT	3,470				0.72					
2456+65	2461+55	LT	785				0.16					
2468+00	2473+75	LT	2,170				0.45					
HARYAN WAY			3,957			0.01	0.66		0.14		1	1
TOTALS			**68,230**	**675**	**3.7**	**0.9**	**7.9**	**1.0**	**0.6**	**446**	**408**	**408**

(D2002986) EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 8' HEIGHT, BALLED AND BURLAPPED		
STATION	OFFSET	EACH
112+42.80	67.7' LT	1
112+71.40	67.3' LT	1
113+00.00	74.3' LT	1
113+28.70	75.5' LT	1
117+73.60	97.1' RT	1
117+78.40	116.5' RT	1
117+86.90	104.1' RT	1
117+97.70	121.9' RT	1
118+14.50	61.8' LT	1
118+40.30	57.2' LT	1
118+71.10	288.7' RT	1
118+76.30	274.6' RT	1
118+91.20	276.7' RT	1
119+23.70	86.6' LT	1
119+51.20	82.4' LT	1
119+81.60	74.3' LT	1
120+07.40	79.7' LT	1
124+18.00	246.55' LT	1
124+21.00	269.67' LT	1
124+26.00	233.85' LT	1
124+29.00	256.87' LT	1
124+32.00	279.60' LT	1
124+37.00	244.18' LT	1
128+30.74	412.22' LT	1
128+30.74	404.07' LT	1
128+30.74	417.47' LT	1
128+30.74	402.46' LT	1
128+30.74	407.09' LT	1
128+30.74	417.24' LT	1
	PAY ITEM TOTAL (EACH):	29

(X7800455) POLYUREA PAVEMENT MARKING TYPE I - RAISED MEDIAN						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	AREA (SQ FT)
97+56.00	CL	TO	9766	CL	MEDIAN NOSE	76.7
102+87.00	CL	TO	10298	CL	MEDIAN NOSE	44.2
109+65.00	CL	TO	10975	CL	MEDIAN NOSE	45.0
124+59.00	CL	TO	12469	CL	MEDIAN NOSE	66.0
124+51.00	LT	TO	12435	LT	WB Med Curb	18.7
124+27.00	LT	TO	12411	LT	WB Med Curb	18.7
124+03.00	LT	TO	12387	LT	WB Med Curb	18.7
					PAY ITEM TOTAL (SQ FT):	309

(X7810300) RECESSED REFLECTIVE PAVEMENT MARKER						
STATION	OFFSET	TO	STATION	OFFSET	SPACING	EACH
97+22.00	LT	TO	103+00.00	LT	40.00	15.00
97+22.00	RT	TO	103+00.00	RT	40.00	15.00
103+75.00	RT	TO	109+00.00	RT	40.00	14.00
103+75.00	LT	TO	109+00.00	LT	40.00	14.00
109+65.00	LT	TO	128+20.00	LT	40.00	47.00
109+65.00	RT	TO	128+20.00	RT	40.00	47.00
129+52.00	LT	TO	139+92.00	LT	40.00	26.00
129+52.00	RT	TO	139+92.00	RT	40.00	26.00
					PAY ITEM TOTAL (EA):	204

(A2006720) TREE, QUERCUS MACROCARPA (BUR OAK), 2 1/2" CALIPER, BALLED AND BURLAPPED		
STATION	OFFSET	EACH
114+02.60	81.6' LT	1
114+20.30	87.6' LT	1
114+37.70	81.0' LT	1
114+55.30	90.6' LT	1
114+73.70	84.7' LT	1
114+89.50	95.3' LT	1
115+07.00	87.9' LT	1
117+08.10	87.8' LT	1
117+27.40	92.5' LT	1
117+43.90	81.0' LT	1
117+61.70	89.9' LT	1
117+77.90	80.7' LT	1
117+96.20	82.9' LT	1
124+21.00	324' LT	1
124+24.00	373' LT	1
124+33.00	350' LT	1
124+40.00	327' LT	1
124+50.00	369' LT	1
125+67.82	230.63' LT	1
125+87.26	235.35' LT	1
126+07.85	227.99' LT	1
PAY ITEM TOTAL (EACH):		21

(A2007120) TREE, QUERCUS RUBRA (RED OAK), 2 1/2" CALIPER, BALLED AND BURLAPPED		
STATION	OFFSET	EACH
103+66.00	174.19' RT	1
103+72.63	135.18' RT	1
103+76.11	154.87' RT	1
104+02.52	128.2' RT	1
104+03.44	149.97' RT	1
104+13.62	166.79' RT	1
111+66.70	52.1' LT	1
111+86.10	49.0' LT	1
112+04.90	54.7' LT	1
112+22.20	46.5' LT	1
113+58.90	51.5' LT	1
113+77.90	58.3' LT	1
113+97.10	52.0' LT	1
118+60.80	69.5' LT	1
118+73.40	54.8' LT	1
118+91.60	61.1' LT	1
119+09.80	53.5' LT	1
124+20.00	415' LT	1
124+25.00	395' LT	1
124+39.00	410' LT	1
124+42.00	390' LT	1
124+58.00	417' LT	1
124+62.00	391' LT	1
124+75.00	407' LT	1
124+93.00	416' LT	1
127+91.72	240.69' LT	1
128+07.55	228.46' LT	1
128+07.58	252.87' LT	1
128+27.04	235.71' LT	1
128+30.24	257.89' LT	1
PAY ITEM TOTAL (EACH):		30

(A2008748) TREE, ULMUS X FRONTIER (FRONTIER ELM), 3" CALIPER, BALLED AND BURLAPPED, MATCHING HEADS		
STATION	OFFSET	EACH
103+93.33	487.00' RT	1
103+93.89	236.00' RT	1
103+95.00	520.60' RT	1
103+95.33	503.48' RT	1
103+95.94	470.72' RT	1
103+97.72	454.42' RT	1
103+98.64	259.82' RT	1
104+01.71	216.72' RT	1
PAY ITEM TOTAL (EACH):		8

(B2002220) TREE, CRATAEGUS VIRDIS WINTER KING (WINTER KING GREEN HAWTHORN), 2 1/2" CALIPER, BALLED AND BURLAPPED		
STATION	OFFSET	EACH
120+04.90	46.2' LT	1
120+15.90	51.3' LT	1
120+26.40	46.4' LT	1
120+50.40	68.6' LT	1
120+56.50	58.8' LT	1
120+67.40	60.8' LT	1
120+76.50	46.5' LT	1
120+86.70	52.3' LT	1
120+97.00	47.5' LT	1
122+18.70	54.7' LT	1
122+29.80	50.8' LT	1
122+40.90	55.1' LT	1
122+51.70	59.3' LT	1
122+68.70	55.4' LT	1
122+79.20	50.1' LT	1
122+90.40	53.4' LT	1
124+99.84	229.18' LT	1
125+19.70	231.62' LT	1
125+31.79	240.55' LT	1
125+40.90	227.02' LT	1
128+30.74	400.76' LT	1
128+30.74	415.92' LT	1
128+30.74	406.49' LT	1
128+30.74	421.60' LT	1
128+30.74	409.29' LT	1
128+30.74	386.73' LT	1
128+30.74	392.66' LT	1
128+30.74	401.92' LT	1
128+30.74	377.95' LT	1
128+30.74	384.47' LT	1
128+30.74	369.43' LT	1
128+30.74	360.90' LT	1
128+30.74	345.05' LT	1
PAY ITEM TOTAL (EACH):		33

(C20058G2) SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2-GALLON					
STATION	OFFSET	TO	STATION	OFFSET	EACH
97+63.00	CL	TO	98+00.00	CL	51
99+70.00	CL	TO	100+75.00	CL	152
102+49.00	CL	TO	102+83.00	CL	47
109+80.00	CL	TO	110+26.00	CL	30
122+63.00	CL	TO	123+00.00	CL	37
124+30.00	CL	TO	124+62.00	CL	51
PAY ITEM TOTAL (EACH):					368

(B2005068) TREE, MALUS SNOWDRIFT (SNOWDRIFT CRABAPPLE), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED		
STATION	OFFSET	EACH
114+69.30	55.2' LT	1
114+77.10	47.8' LT	1
114+88.90	47.3' LT	1
114+93.90	63.9' LT	1
115+03.10	56.1' LT	1
115+11.60	48.5' LT	1
115+21.00	64.3' LT	1
115+23.60	46.9' LT	1
115+32.30	61.7' LT	1
116+75.20	47.0' LT	1
116+82.50	55.6' LT	1
116+92.80	57.3' LT	1
117+02.20	65.2' LT	1
117+07.20	45.6' LT	1
117+18.50	48.5' LT	1
117+27.80	54.7' LT	1
117+35.00	64.3' LT	1
117+39.60	46.4' LT	1
117+51.20	46.7' LT	1
117+58.20	54.8' LT	1
117+80.00	136.2' RT	1
117+94.10	141.4' RT	1
118+00.30	155.1' RT	1
118+13.20	147.4' RT	1
118+13.30	162.3' RT	1
118+27.40	171.2' RT	1
118+31.50	185.5' RT	1
124+17.00	293.00' LT	1
124+26.00	305.00' LT	1
124+38.00	296.00' LT	1
127+17.42	230.26' LT	1
127+29.39	239.23' LT	1
127+33.72	253.68' LT	1
127+43.93	242.57' LT	1
127+50.09	227.69' LT	1
127+62.94	247.95' LT	1
127+68.43	233.94' LT	1
PAY ITEM TOTAL (EACH):		37

(C2009248) SHRUB, ROSA X KNOCKOUT (DOUBLE KNOCKOUT HYBRID ROSE), 18" HEIGHT, BALLED AND BURLAPPED						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	EACH
98+67.00	CL	TO	99+70.00	CL	MEDIAN	97
100+75.00	CL	TO	101+78.00	CL	MEDIAN	97
109+53.00	LT	TO	109+59.00	LT	METRA SIGN	6
110+26.00	CL	TO	110+45.00	CL	MEDIAN	12
123+30.00	CL	TO	123+96.00	CL	MEDIAN	63
PAY ITEM TOTAL (EACH):						275

(B2005136) TREE, MALUS SPRING SNOW (SPRING SNOW CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED		
STATION	OFFSET	EACH
98+92.00	CL	1
99+04.00	CL	1
99+16.00	CL	1
99+28.00	CL	1
99+40.00	CL	1
101+03.00	CL	1
101+15.00	CL	1
101+27.00	CL	1
101+39.00	CL	1
101+51.00	CL	1
103+60.08	504.76' RT	1
103+60.54	480.97' RT	1
103+67.29	115.92' RT	1
103+72.12	81.29' RT	1
103+75.66	103.52' RT	1
103+81.96	89.90' RT	1
103+86.86	113.41' RT	1
103+92.60	81.76' RT	1
103+99.40	552.48' RT	1
104+14.59	566.19' RT	1
109+40.40	58.7' RT	1
109+51.70	56.0' RT	1
109+62.00	60.5' RT	1
109+81.90	55.1' RT	1
109+92.40	60.5' RT	1
110+01.40	53.2' RT	1
110+11.30	60.3' RT	1
110+72.20	47.6' LT	1
110+84.00	47.0' LT	1
110+93.10	54.6' LT	1
111+04.70	53.8' LT	1
111+15.70	49.7' LT	1
111+24.30	56.2' LT	1
123+49.40	CL	1
123+61.60	CL	1
123+73.70	CL	1
123+84.90	52.6' LT	1
123+92.00	61.8' LT	1
124+00.80	53.9' LT	1
124+11.70	58.9' LT	1
124+21.10	51.6' LT	1
124+49.00	229.26' LT	1
124+60.00	239.15' LT	1
124+69.00	227.06' LT	1
124+78.00	239.04' LT	1
127+71.34	45.63' RT	1
128+30.74	401.11' LT	1
128+30.74	415.55' LT	1
128+30.74	401.59' LT	1
128+30.74	414.39' LT	1
PAY ITEM TOTAL (EACH):		50

PAVEMENT SCHEDULE			31101200	35501316	40600982	40603085	40603340	42000301	42001300	48101500	48203021
LOCATION			SUBBASE GRANULAR MATERIAL, TYPE B 4"	HOT-MIX ASPHALT BASE COURSE, 8"	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT BINDER COURSE IL - 19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	PROTECTIVE COAT	AGGREGATE SHOULDERS, TYPE B 6"	HOT-MIX ASPHALT SHOULDERS, 6"
ROAD	START STATION	END STATION	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
WASHINGTON STREET	BOP	101+00									
WASHINGTON STREET	101+00	107+00						1,475	1,475		
WASHINGTON STREET	107+00	113+00						3,748	3,748		
WASHINGTON STREET	113+00	119+00						3,200	3,200		
WASHINGTON STREET	119+00	125+00						3,065	3,065		
WASHINGTON STREET	125+00	131+00									
WASHINGTON STREET	131+00	EOP									
HARYAN WAY											
LOWLANDS DRIVE			398	398	19	51	41			22	71
		TOTAL	398	398	19	51	41	11,488	11,488	22	71

BITUMINOUS MATERIALS SCHEDULE				X4060110
				BITUMINOUS MATERIALS (PRIME COAT)
PAY ITEM #	PAY ITEM NAME	SQ FT	RATE (POUNDS/SQ FT)	(POUNDS)
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	3582	0.250	896
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	3582	0.025	90
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (LOWLANDS DRIVE)	3753	0.025	94
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (PUMP STATION DRIVEWAY + PARKING LOT)	2331	0.250	583
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (BIKE PATH)	5353	0.250	1,338
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (RESURFACING)	116019	0.050	5,801
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	132	0.250	297
X4060995	TEMPORARY RAMP, SPECIAL (1 APPLICATION ON AGGREGATE)	7758	0.250	1,940
X4060995	TEMPORARY RAMP, SPECIAL (2 APPLICATIONS BETWEEN LIFTS)	15516	0.025	388
Z0062456	TEMPORARY PAVEMENT (1 APPLICATION ON AGGREGATE)	65358	0.250	16,340
Z0062456	TEMPORARY PAVEMENT (2 APPLICATIONS BETWEEN LIFTS)	196074	0.025	4,902
			TOTAL	32,667

BIKE PATH SCHEDULE			35101800	40603340
			AGGREGATE BASE COURSE, TYPE B 6"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
LOCATION				
ROAD	START STATION	END STATION	(SQ YD)	(TON)
WASHINGTON STREET	BOP	101+00		
WASHINGTON STREET	101+00	107+00	401.52	61
WASHINGTON STREET	107+00	113+00	733.33	112
WASHINGTON STREET	113+00	119+00	733.33	112
WASHINGTON STREET	119+00	125+00	564.09	86
WASHINGTON STREET	125+00	131+00	119.93	18
WASHINGTON STREET	131+00	EOP		
WCL RR ACCESS ROAD				
HARYAN WAY			667	100
LOWLANDS DRIVE				
		TOTAL	3,220	490

AGGREGATE SUBGRADE SCHEDULE		30300112
		AGGREGATE SUBGRADE IMPROVEMENT, 12"
PAY ITEM #	PAY ITEM NAME	(SQ YD)
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED) (SQ YD)	11,488
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FOOT)	1,281
60605000	ADDITIONAL AREA TO ACCOUNT FOR 2' STRIP BEYOND C&G	992
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	288
60603800	ADDITIONAL AREA TO ACCOUNT FOR 2' STRIP BEYOND C&G	364
60619600	CONCRETE MEDIAN, TYPE SB-6.12 (SQ FT)	620
	TOTAL	15,033

TEMPORARY PATH / WCL ACCESS ROAD SCHEDULE	40200500
	AGGREGATE SURFACE COURSE, TYPE A 6"
LOCATION / SHEET	(SQ YD)
TEMPORARY PATH - MOT 16	191
TEMPORARY PATH - MOT 17	304
TEMPORARY PATH - MOT 18	322
TEMPORARY PATH - MOT 19	333
TEMPORARY PATH - MOT 20	98
TEMPORARY PATH - MOT 21	163
TOTAL	1412

TEMPORARY PLATFORM SCHEDULE	40603340
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
LOCATION	(TON)
TEMP PLATFORM	67
SOUTH ACCESS RAMP	3
NORTH ACCESS RAMP	1
TOTAL	72

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
WASHINGTON STREET SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET NO. SHD 6 OF 10 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	22
				61A63

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MEDIAN SCHEDULE			42001300	60619600
			PROTECTIVE COAT	CONCRETE MEDIAN, TYPE SB-6.12
LOCATION				
ROAD	START STATION	END STATION	(SQ YD)	(SQ FT)
WASHINGTON STREET	BOP	101+00	8	70
WASHINGTON STREET	101+00	107+00	10	92
WASHINGTON STREET	107+00	113+00	145	1,302
WASHINGTON STREET	113+00	119+00	267	2,400
WASHINGTON STREET	119+00	125+00	190	1,712
WASHINGTON STREET	125+00	131+00		
WASHINGTON STREET	131+00	EOP		
WCL RR ACCESS ROAD				
HARYAN WAY				
LOWLANDS DRIVE				
		TOTAL	619	5,576

CURB AND GUTTER SCHEDULE			42001300	60603800	60605000
			PROTECTIVE COAT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
LOCATION					
ROAD	START STATION	END STATION	(SQ YD)	(FOOT)	(FOOT)
WASHINGTON STREET	BOP	101+00	118	673	
WASHINGTON STREET	101+00	107+00	273	381	756
WASHINGTON STREET	107+00	113+00	362	145	1,217
WASHINGTON STREET	113+00	119+00	333		1,200
WASHINGTON STREET	119+00	125+00	391	395	1,169
WASHINGTON STREET	125+00	131+00	33		120
WASHINGTON STREET	131+00	EOP			
WCL RR ACCESS ROAD			5	33	
HARYAN WAY			2	13	
LOWLANDS DRIVE					
		TOTAL	1,570	1,640	4,462

SIDEWALK SCHEDULE			35101600	42001300	42300200	42400200	42400800
			AGGREGATE BASE COURSE, TYPE B, 4"	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS
LOCATION							
ROAD	START STATION	END STATION	(SQ YD)	(SQ YD)	(SQ YD)	(SQ FT)	(SQ FT)
WASHINGTON STREET	BOP	101+00					
WASHINGTON STREET	101+00	107+00	361	333		3,000	27
WASHINGTON STREET	107+00	113+00	407	354		3,187	97
WASHINGTON STREET	113+00	119+00	404	341		3,071	
WASHINGTON STREET	119+00	125+00	628	528		4,749	
WASHINGTON STREET	125+00	131+00	292	248		2,229	122
WASHINGTON STREET	131+00	EOP					
WCL RR ACCESS ROAD			110	110	110		
HARYAN WAY			38	33		296	25
LOWLANDS DRIVE							
		TOTAL	2,240	1,947	110	16,533	272

DRIVEWAY REMOVAL SCHEDULE			44000200
			DRIVEWAY PAVEMENT REMOVAL
LOCATION			
ROAD	START STATION	SIDE	(SQ YD)
WASHINGTON STREET	117+96	LT	122
		TOTAL	122

DRIVEWAY SCHEDULE	40603340	35102000
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	AGGREGATE BASE COURSE, TYPE B 8"
LOCATION	(TON)	(SQ YD)
PUMP STATION	36	259
TOTAL	36	259

TEMPORARY PAVEMENT SCHEDULE	31101200	Z0062456	X4060995	44000100
	SUBBASE GRANULAR MATERIAL, TYPE B 4"	TEMPORARY PAVEMENT	TEMPORARY RAMP, SPECIAL	PAVEMENT REMOVAL
LOCATION				
SHEET	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
MOT 16	919	919		919
MOT 17	2,653	2,653		2653
MOT 18	1,691	1,691		1691
MOT 19	1,999	1,999		1999
MOT 21			862	862
REM 6		EXISTING		652
TOTAL	7262	7262	862	8777

WCL RR ACCESS ROAD SCHEDULE	40200720	48203021	63000007	X0327700
	AGGREGATE SURFACE COURSE, TYPE A 12"	HOT-MIX ASPHALT SHOULDERS, 6"	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	STEEL SECURITY GATE, 12'
LOCATION				
ROAD	(SQ YD)	(SQ YD)	(FOOT)	(EACH)
TEMP WCL RR ACCESS ROAD	1803			
WCL RR ACCESS ROAD	374	61	312.5	1
TOTAL	2177	61	312.5	1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
WASHINGTON STREET SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET NO. SHD 7 OF 10 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	23
				61A63

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

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PAVEMENT REMOVAL AND RESURFACING SCHEDULE			44000100	44000157	40603340
LOCATION			PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
ROAD	START STATION	END STATION	(SQ YD)	(SQ YD)	(TON)
WASHINGTON STREET	BOP	113+00	4,282		
WASHINGTON STREET	113+00	125+00	5,550	214	24
WASHINGTON STREET	125+00	131+00		4,634	519
WASHINGTON STREET	131+00	143+00		8,043	901
LOWLANDS DRIVE			395		
		TOTAL	10,228	12,891	1,444

REMOVAL SCHEDULE			44000500	44000600	44004250	X0327036	Z0022800
LOCATION			COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	PAVED SHOULDER REMOVAL	BIKE PATH REMOVAL	FENCE REMOVAL
ROAD	START STATION	END STATION	(FOOT)	(SQ FT)	(SQ YD)	(SQ YD)	(FOOT)
WASHINGTON STREET	BOP	113+00	471	526		775	122
WASHINGTON STREET	113+00	125+00	680	239		984	118
WASHINGTON STREET	125+00	131+00	122	146		28	
WASHINGTON STREET	131+00	143+00					
HARYAN WAY			11	137		565	
LOWLANDS DRIVE					60		
		TOTAL	1,284	1,049	60	2,352	240

EROSION CONTROL SCHEDULE	25100630	28000250	28000305	28000400	28000510	X2511630	X2800500	XX006277	XX006658	XX006659	Z0013797
STAGE	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET FILTERS	EROSION CONTROL BLANKET (SPECIAL)	INLET PROTECTION, SPECIAL	TEMPORARY SEDIMENT TRAP	FLOCCULATION LOGS	FLOCCULATION POWDER	STABILIZED CONSTRUCTION ENTRANCE
	(SQ YD)	(POUND)	(FOOT)	(FOOT)	(EACH)	(SQ YD)	(EACH)	(EACH)	(EACH)	(POUND)	(SQ YD)
PRE-STAGE	12,634	522	0	14,259	1						192
STAGE 1	26,925	3,338	300	0	1	1,334	2	1	2	4	281
STAGE 2A	14,043	871	210	0		933				3	89
STAGE 2B	27,839	11,504	210	0	15	933				3	
STAGE 2C AND STAGE 2D	17,393	7,546	240	0	33	1,067				3	
STAGE 3	27,015	2,233	0	0	1	0					107
TOTAL	125,849	26,014	960	14,259	51	4,267	2	1	2	13	669

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
WASHINGTON STREET SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET NO. SHD 8 OF 10 | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	24
				61A63

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

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(72000100) SIGN PANEL - TYPE I						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	SQ FT
WASHINGTON ST	0.00	TO	LAKE ST	0.00	SIGN A	3.75
WASHINGTON ST	0.00	TO	LAKE ST	0.00	SIGN B	3.75
					PAY ITEM TOTAL (SQ FT):	7.5

(78000100) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	SQ FT
0126+27.00	CL	TO	126+60.00	CL	LEFT ONLY	36.4
0127+79.00	CL	TO	128+11.00	CL	LEFT ONLY	36.4
0130+93.70	CL	TO	131+25.70	CL	LEFT ONLY	36.4
0138+25.00	CL	TO	-	CL	TWLTL DBL LEFT ARROW	31.2
LOWLANDS DRIVE	LT	TO	-	LT	LEFT ONLY	36.4
LOWLANDS DRIVE	LT	TO	-	LT	RIGHT ONLY	36.4
					TOTAL (SQ FT):	214

(78000200) THERMOPLASTIC PAVEMENT MARKING - LINE 4"						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	LENGTH (FT)
4" SOLID YELLOW LINE						
124+69.70	LT	TO	126+17.00	LT	MEDIAN	269.7
124+69.70	RT	TO	126+17.00	RT	MEDIAN	270.3
126+17.00	CL	TO	128+21.79	CL	DY CENTERLINE	409.6
129+50.50	CL	TO	132+05.80	CL	DY CENTERLINE	510.6
132+05.80	LT	TO	137+41.50	LT	MEDIAN	1070.0
132+05.80	RT	TO	137+41.50	RT	MEDIAN	1075.0
LOWLANDS DR	LT	TO	-	LT	DY CENTERLINE	203.0
4" SOLID YELLOW LINE WITH 10' DASH 30' SKIP						
137+41.50	LT	TO	139+92.00	LT	SOLID W/ 10/30 SKIP DASH	313.1
137+41.50	RT	TO	139+92.00	RT	SOLID W/ 10/30 SKIP DASH	313.1
					SUBTOTAL: 4" YELLOW	4434.4
4" WHITE 10' DASH 30' SKIP						
124+69.70	LT	TO	128+21.79	LT	10/30 SKIP DASH	88.0
124+69.70	RT	TO	128+21.79	RT	10/30 SKIP DASH	88.0
129+50.50	LT	TO	139+92.00	LT	10/30 SKIP DASH	260.4
129+50.50	RT	TO	139+92.00	RT	10/30 SKIP DASH	260.4
					SUBTOTAL: 4" WHITE	696.8
					TOTAL (FT):	5,131

(78000300) THERMOPLASTIC PAVEMENT MARKING - LINE 5"						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	LENGTH (FT)
5" SOLID WHITE LINE						
127+75.00	LT	TO	128+51.10	LT	RADIUS EDGELINE	83.0
127+91.40	RT	TO	128+54.40	RT	RADIUS EDGELINE	64.3
129+28.09	LT	TO	130+15.40	LT	RADIUS EDGELINE	42.0
129+11.52	RT	TO	130+15.40	RT	RADIUS EDGELINE	59.0
					PAY ITEM TOTAL (FT):	249

(78000400) THERMOPLASTIC PAVEMENT MARKING - LINE 6"						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	LENGTH (FT)
6" SOLID WHITE LINE						
126+17.85	RT	TO	128+19.80	RT	TURN LANE LINE	201.9
129+52.50	LT	TO	131+35.80	LT	TURN LANE LINE	183.3
LOWLANDS DRIVE	LT	TO	-	LT	TURN LANE LINE	65.3
6" DOTTED WHITE LINE 2' DASH 6' SKIP						
131+35.80	LT	TO	133+85.00	LT	2'/6' SKIP DASH	62.3
LOWLANDS DRIVE	LT	TO	-	LT	2'/6' SKIP DASH	9.1
					TOTAL (FT):	522

(78000600) THERMOPLASTIC PAVEMENT MARKING - LINE 12"						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	LENGTH (FT)
12" SOLID YELLOW LINE						
124+70	CL	TO	125+75	CL	CENTER DIAGONALS	39.0
132+10	CL	TO	134+17	CL	CENTER DIAGONALS	70.0
134+17	CL	TO	137+44	CL	CENTER DIAGONALS	52.0
					SUBTOTAL: 12" YELLOW	161.0
12" SOLID WHITE LINE						
128+42	LT TO RT	TO	128+42	LT TO RT	CROSSWALK	186.0
129+28	LT TO RT	TO	129+28	LT TO RT	CROSSWALK	192.0
128+52	LT	TO	129+28	LT	CROSSWALK	138.0
128+52	RT	TO	129+18	RT	CROSSWALK	138.0
					SUBTOTAL: 12" WHITE	654.0
					TOTAL (FT):	815

(78000650) THERMOPLASTIC PAVEMENT MARKING - LINE 24"			
STATION	OFFSET	DESCRIPTION	LENGTH (FT)
24" SOLID WHITE LINE			
128+22	RT	STOP BAR	38.5
129+52	LT	STOP BAR	36.5
128+72	LT	STOP BAR: LAKE ST	34.5
128+95	RT	STOP BAR: LAKE ST	31.0
		TOTAL (FT):	141

(78008200) POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	SQ FT
104+93	LT	TO	105+25	LT	LEFT ONLY	36.4
107+10	LT	TO	107+40	LT	LEFT ONLY	36.4
					PAY ITEM TOTAL (SQ FT):	73

(78008210) POLYUREA PAVEMENT MARKING TYPE I - LINE 4"						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	LENGTH (FT)
4" SOLID YELLOW LINE						
97+22.00	LT	TO	97+64.00	LT	DY CENTERLINE	84.0
97+22.00	RT	TO	97+64.00	RT	DY CENTERLINE	84.0
97+64.00	LT/RT	TO	103+00.00	LT/RT	AROUND MEDIAN	200.5
103+75.00	CL	TO	109+00.00	CL	DY CENTERLINE	1,050.0
LOWLANDS DRIVE	LT	TO	-	LT	DY CENTERLINE	49.6
109+75.00	LT	TO	124+69.70	LT	EDGE LINE LT EOP	1,497.4
109+75.00	RT	TO	124+69.70	RT	EDGE LINE RT EOP	1,508.5
					SUBTOTAL: 4" YELLOW	4,474.0
4" SOLID WHITE LINE 10' DASH 30' SKIP						
103+75.00	RT	TO	109+00.00	RT	10/30 SKIP DASH	131.3
97+22.00	LT	TO	103+00.00	LT	10/30 SKIP DASH	144.5
97+22.00	RT	TO	103+00.00	RT	10/30 SKIP DASH	144.5
103+75.00	LT	TO	109+00.00	LT	10/30 SKIP DASH	131.3
109+65.00	RT	TO	124+70.00	RT	10/30 SKIP DASH	376.3
109+65.00	LT	TO	124+70.00	LT	10/30 SKIP DASH	376.3
					SUBTOTAL: 4" WHITE	1,304.0
					TOTAL (FT):	5,778

(78008220) POLYUREA PAVEMENT MARKING TYPE I - LINE 5"						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	LENGTH (FT)
5" SOLID WHITE LINE						
97+22	LT	TO	LOWLANDS DRIVE	LT	EDGELINE, RADIUS	1,322.4
97+22	RT	TO	102+38.1	RT	EDGELINE	516.1
102+38.1	RT	TO	HARYAN WAY	RT	RADIUS	82.0
HARYAN WAY	RT	TO	104+00	RT	RADIUS	78.0
104+00	RT	TO	127+91.4	RT	EDGELINE	2,391.4
LOWLANDS DRIVE	LT	TO	127+75.0	LT	EDGELINE, RADIUS	1,859.0
130+15.4	RT	TO	139+92	RT	EDGELINE	976.6
130+15.4	LT	TO	139+92	LT	EDGELINE	976.6
					PAY ITEM TOTAL (FT):	8,202

(78008270) POLYUREA PAVEMENT MARKING TYPE I - LINE 24"			
STATION	OFFSET	DESCRIPTION	LENGTH (FT)
24" SOLID WHITE LINE			
LOWLANDS DR	LT	STOP BAR	26.5
HARYAN WAY	RT	STOP BAR	30.0
		TOTAL (FT):	57

(78300200) RAISED REFLECTIVE PAVEMENT MARKER REMOVAL						
STATION	OFFSET	TO	STATION	OFFSET	SPACING	EACH
124+69.47	CL	TO	139+92.00	CL	40.00	78
124+69.47	LT	TO	139+92.00	LT	80.00	40
124+69.47	RT	TO	139+92.00	RT	80.00	40
					PAY ITEM TOTAL (EA):	158

(78008230) POLYUREA PAVEMENT MARKING TYPE I - LINE 6"						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	LENGTH (FT)
6" SOLID WHITE LINE						
103+75.00	LT	TO	105+25.00	LT	TURN LANE LINE	150.0
107+25.00	RT	TO	109+00.00	RT	TURN LANE LINE	175.0
LOWLANDS DRIVE	LT	TO	-	LT	TURN LANE LINE	24.8
6" WHITE 2' DASH, 6' SKIP						
105+25.00	LT	TO	107+25.00	LT	TURN LANE SKIP DASH	50.0
105+25.00	RT	TO	107+25.00	RT	TURN LANE SKIP DASH	50.0
					TOTAL (FT):	450

(78008250) POLYUREA PAVEMENT MARKING TYPE I - LINE 12"						
STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION	LENGTH (FT)
12" SOLID WHITE LINE						
HARYAN WAY	RT	TO	-	RT	CROSSWALK	216.0
109+95	RT	TO	-	RT	CROSSWALK	48.0
110+03	LT	TO	-	LT	CROSSWALK	48.0
LOWLANDS DRIVE	LT	TO	-	LT	CROSSWALK	108.0
					TOTAL (FT):	420

MAINTENANCE OF TRAFFIC SCHEDULE				70300100	70300510	70300520	70300540	70300560	70300570	70301000	70400100	78000100	78000200	78000400	78000600
LOCATION				SHORT TERM PAVEMENT MARKING	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	PAVEMENT MARKING TAPE, TYPE III 4"	PAVEMENT MARKING TAPE, TYPE III 6"	PAVEMENT MARKING TAPE, TYPE III 12"	PAVEMENT MARKING TAPE, TYPE III 24"	WORK ZONE PAVEMENT MARKING REMOVAL	TEMPORARY CONCRETE BARRIER	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
STAGE	ROAD	START STATION	END STATION	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)
STAGE 1	WASHINGTON	BOP	110+00		36	1,715	152		11	707					
	WASHINGTON	110+00	125+00		90	2,209		39		866					
	WASHINGTON	125+00	EOP		36	1,300	136	114	42	735		109	5,670	76	528
STAGE 2A	WASHINGTON	BOP	110+00			3,061	49	315	27	1,413					
	WASHINGTON	110+00	125+00							0	213		92		
	WASHINGTON	125+00	EOP							0		36	1,455	174	169
	RUN-AROUND	11+00	18+39.58		36	1,676	148	45		714		36	1,865	153	315
	RUN-AROUND	18+39.58	33+77.39							0		179	6,024	692	152
STAGE 2B	WASHINGTON	BOP	110+00			2,578	49	270	27	1,208					114
	WASHINGTON	110+00	125+00							0					
	WASHINGTON	125+00	EOP							0					
	RUN-AROUND	11+00	18+39.58		36	1,676	148	45		714		36	1,157	148	45
	RUN-AROUND	18+39.58	33+77.39												
STAGE 2C AND STAGE 2D	WASHINGTON	BOP	110+00												
	WASHINGTON	110+00	125+00								150				
	WASHINGTON	125+00	EOP												
	RUN-AROUND	11+00	18+39.58												
	RUN-AROUND	18+39.58	33+77.39									90	1,195	496	20
STAGE 3	WASHINGTON	BOP	110+00	395						132					
	WASHINGTON	110+00	125+00	24						8					
	WASHINGTON	125+00	EOP	991						330					
			TOTAL	1,410	236	14,216	682	828	106	6,826	363	488	17,459	1,740	1,343

MAINTENANCE OF TRAFFIC SCHEDULE				78000650	78001100	78001110	78008210	78008230	78008250	78008270	78100200
LOCATION				THERMOPLASTIC PAVEMENT MARKING - LINE 24"	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	PAINT PAVEMENT MARKING - LINE 4"	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER
STAGE	ROAD	START STATION	END STATION	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)
STAGE 1	WASHINGTON	BOP	110+00								
	WASHINGTON	110+00	125+00		90	2,140					
	WASHINGTON	125+00	EOP	44							
STAGE 2A	WASHINGTON	BOP	110+00								
	WASHINGTON	110+00	125+00				173				2
	WASHINGTON	125+00	EOP	42							32
	RUN-AROUND	11+00	18+39.58	22							44
	RUN-AROUND	18+39.58	33+77.39	52							83
STAGE 2B	WASHINGTON	BOP	110+00				2,610	49	199	27	
	WASHINGTON	110+00	125+00								
	WASHINGTON	125+00	EOP								
	RUN-AROUND	11+00	18+39.58								
	RUN-AROUND	18+39.58	33+77.39								
STAGE 2C AND STAGE 2D	WASHINGTON	BOP	110+00								
	WASHINGTON	110+00	125+00								
	WASHINGTON	125+00	EOP								
	RUN-AROUND	11+00	18+39.58								
	RUN-AROUND	18+39.58	33+77.39	26							15
STAGE 3	WASHINGTON	BOP	110+00								
	WASHINGTON	110+00	125+00								
	WASHINGTON	125+00	EOP								
			TOTAL	186	90	2,140	2,784	49	199	27	176

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
WASHINGTON STREET SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET NO. SHD 10 OF 10 | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	26
				61A63

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

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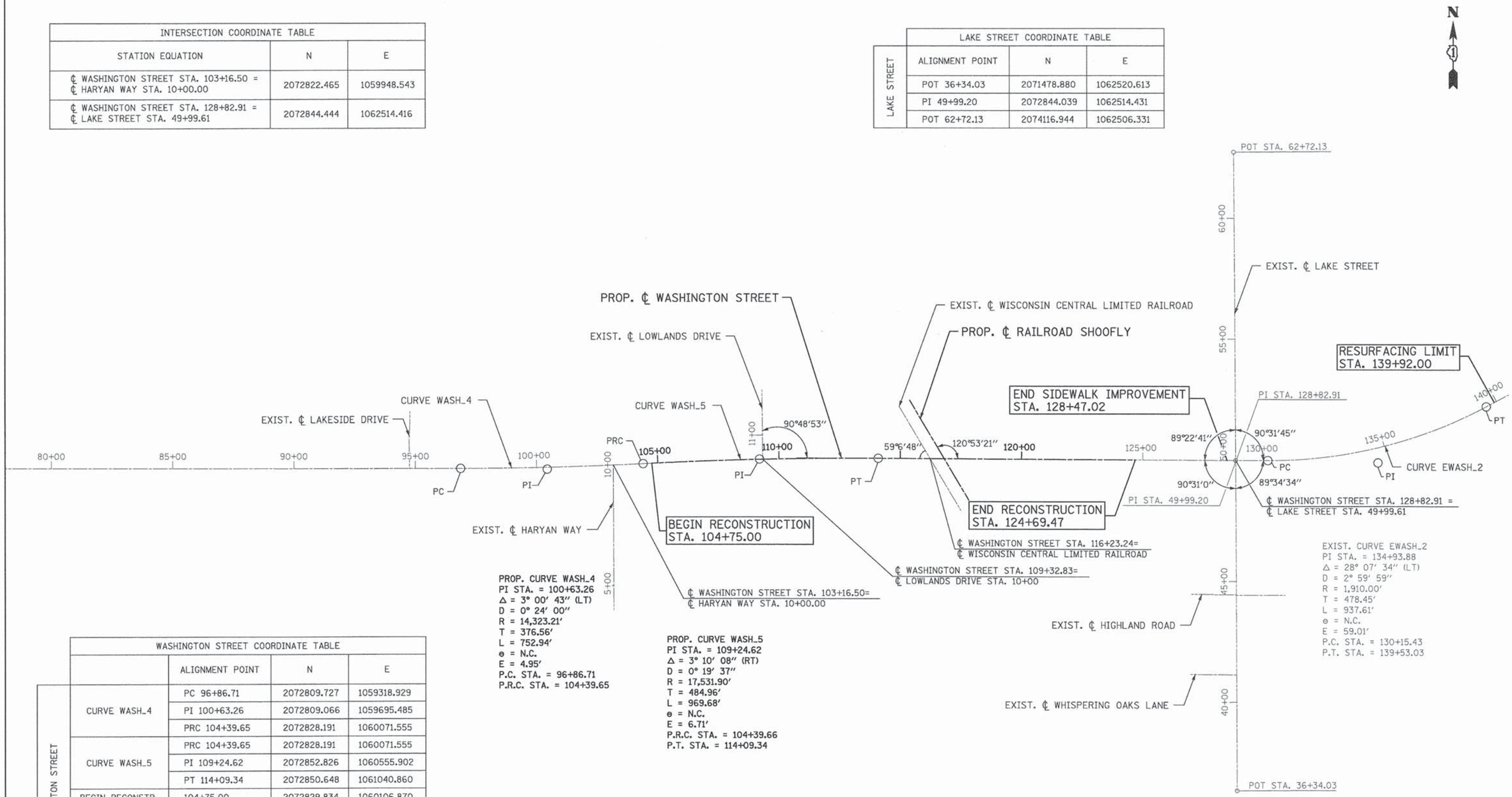
INTERSECTION COORDINATE TABLE		
STATION EQUATION	N	E
℄ WASHINGTON STREET STA. 103+16.50 = ℄ HARYAN WAY STA. 10+00.00	2072822.465	1059948.543
℄ WASHINGTON STREET STA. 128+82.91 = ℄ LAKE STREET STA. 49+99.61	2072844.444	1062514.416

LAKE STREET COORDINATE TABLE			
	ALIGNMENT POINT	N	E
LAKE STREET	POT 36+34.03	2071478.880	1062520.613
	PI 49+99.20	2072844.039	1062514.431
	POT 62+72.13	2074116.944	1062506.331



WASHINGTON STREET COORDINATE TABLE				
		ALIGNMENT POINT	N	E
WASHINGTON STREET	CURVE WASH_4	PC 96+86.71	2072809.727	1059318.929
		PI 100+63.26	2072809.066	1059695.485
		PRC 104+39.65	2072828.191	1060071.555
	CURVE WASH_5	PRC 104+39.65	2072828.191	1060071.555
		PI 109+24.62	2072852.826	1060555.902
		PT 114+09.34	2072850.648	1061040.860
	BEGIN RECONSTR.	104+75.00	2072829.834	1060106.870
	END RECONSTR.	124+69.47	2072845.886	1062100.984
		PI 128+82.91	2072844.444	1062514.416
	CURVE EWASH_2	PC 130+15.43	2072844.064	1062646.931
		PI 134+93.88	2072842.690	1063125.379
		PT 139+53.03	2073067.027	1063547.976

NOTE:
ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON VERTICAL DATUM NGVD29 AND COORDINATES ARE BASED ON STATE PLANE ILLINOIS EAST ZONE (NAD 83, 2007). THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO COMMENCING WORK.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ALIGNMENT, TIES, & BENCHMARKS

SCALE: N/A | SHEET NO. ALI 1 OF 3 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	27
				61A63
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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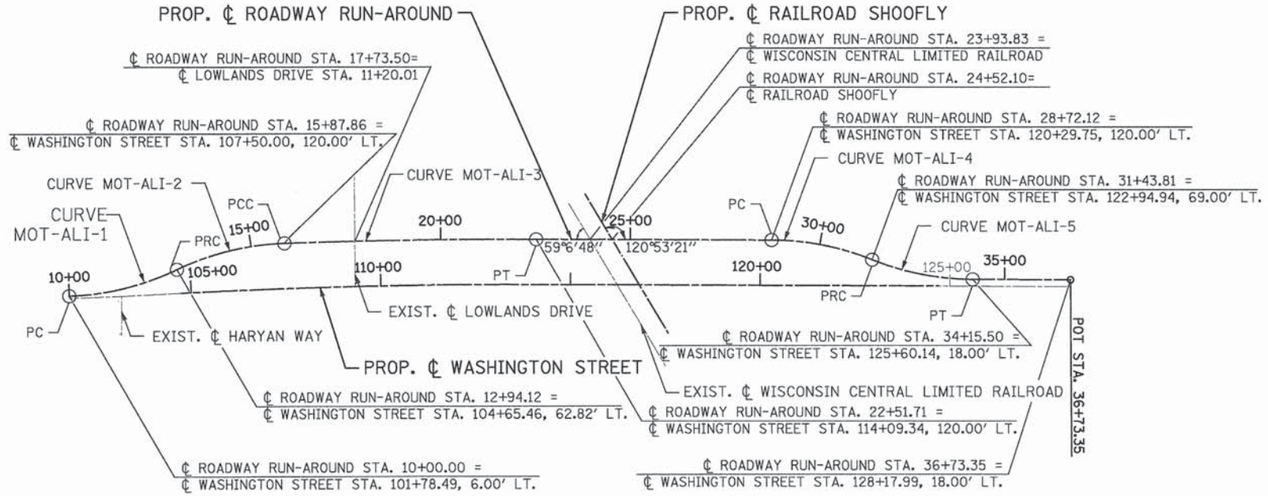


PROP. CURVE MOT-ALI-1
PI STA. = 11+49.17
Δ = 23° 34' 09" (LT)
D = 8° 00' 48"
R = 715.00'
T = 149.17'
L = 294.12'
E = 15.40'
e = N.C.
P.C. STA. = 10+00.00
P.R.C. STA. = 12+94.12

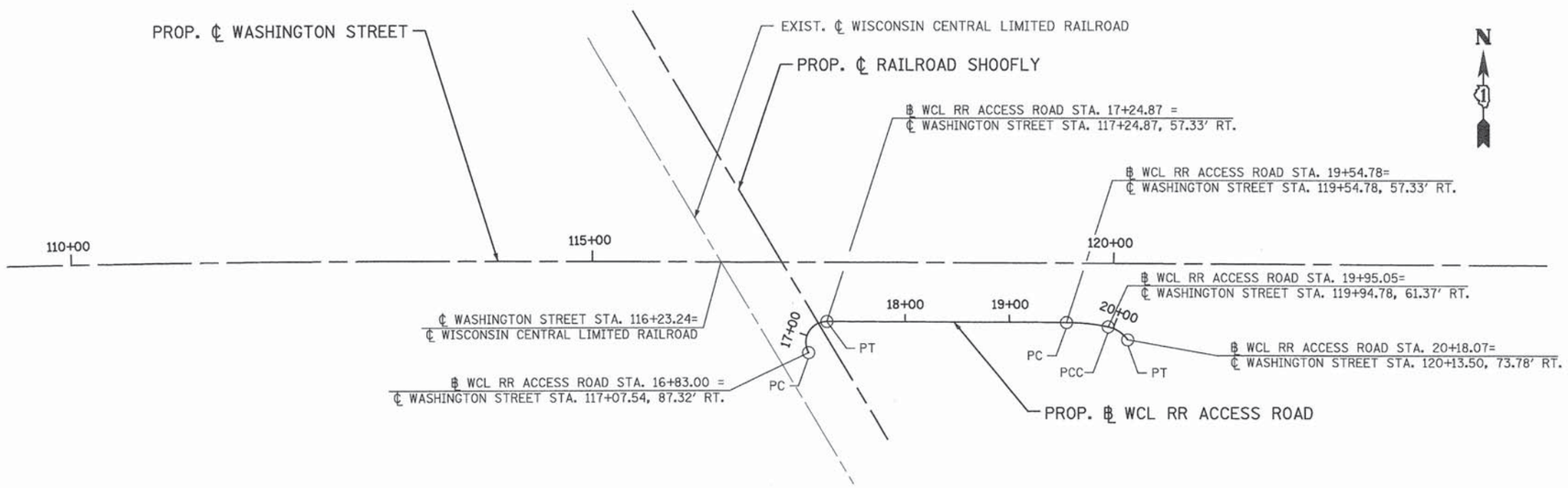
PROP. CURVE MOT-ALI-2
PI STA. = 14+43.10
Δ = 23° 32' 19" (RT)
D = 8° 00' 48"
R = 715.00'
T = 148.97'
L = 293.74'
E = 15.35'
e = N.C.
P.R.C. STA. = 12+94.12
P.C.C. STA. = 15+87.86

PROP. CURVE MOT-ALI-3
PI STA. = 19+19.83
Δ = 2° 09' 17" (RT)
D = 0° 19' 29"
R = 17,651.90'
T = 331.96'
L = 663.85'
E = 3.12'
e = N.C.
P.C.C. STA. = 15+87.86
P.T. STA. = 22+51.71

PROP. CURVE MOT-ALI-4
PI STA. = 30+09.63
Δ = 21° 46' 17" (RT)
D = 8° 00' 48"
R = 715.00'
T = 137.50'
L = 271.69'
E = 13.10'
e = N.C.
P.C. STA. = 28+72.12
P.R.C. STA. = 31+43.81

PROP. CURVE MOT-ALI-5
PI STA. = 32+81.31
Δ = 21° 46' 17" (LT)
D = 8° 00' 48"
R = 715.00'
T = 137.50'
L = 271.69'
E = 13.10'
e = N.C.
P.R.C. STA. = 31+43.81
P.T. STA. = 34+15.50

ROADWAY RUN-AROUND COORDINATE TABLE				
	DESCRIPTION	ALIGNMENT POINT	N	E
ROADWAY RUN-AROUND	CURVE MOT-ALI-1	PC 10+00.00	2072823.302	1059810.433
		PI 11+49.17	2072828.161	1059959.526
		PRC 12+94.12	2072892.231	1060094.237
	CURVE MOT-ALI-2	PRC 12+94.12	2072892.231	1060094.237
		PI 14+43.10	2072956.214	1060228.768
		PCC 15+87.86	2072961.146	1060377.658
	CURVE MOT-ALI-3	PCC 15+87.86	2072961.146	1060377.658
		PI 19+19.83	2072972.138	1060709.439
		PT 22+51.71	2072970.647	1061041.399
	CURVE MOT-ALI-4	PC 28+72.12	2072967.860	1061661.805
		PI 30+09.63	2072967.242	1061799.305
		PRC 31+43.81	2072915.669	1061926.770
	CURVE MOT-ALI-5	PRC 31+43.81	2072915.669	1061926.770
		PI 32+81.31	2072864.096	1062054.234
		PT 34+15.50	2072863.479	1062191.734
		POT 36+73.35	2072862.320	1062449.585



PROP. CURVE WCL_1
PI STA. = 17+17.60
Δ = 119° 56' 25" (RT)
D = 286° 28' 44"
R = 20.00'
T = 34.60'
L = 41.87'
E = 19.96'
P.C. STA. = 16+83.00
P.T. STA. = 17+24.87

PROP. CURVE WCL_2
PI STA. = 19+74.98
Δ = 11° 32' 09" (RT)
D = 28° 38' 52"
R = 200.00'
T = 20.20'
L = 40.27'
E = 1.02'
P.C. STA. = 19+54.78
P.C.C. STA. = 19+95.05

PROP. CURVE WCL_3
PI STA. = 20+07.16
Δ = 43° 58' 35" (RT)
D = 190° 59' 09"
R = 30.00'
T = 12.11'
L = 23.03'
E = 2.35'
P.C. STA. = 19+95.05
P.T. STA. = 20+18.07

WCL ACCESS ROAD COORDINATE TABLE				
	DESCRIPTION	ALIGNMENT POINT	N	E
WCL ACCESS ROAD	CURVE WCL_1	PC 16+83.00	2072761.994	1061338.665
		PI 17+17.60	2072792.053	1061321.532
		PT 17+24.87	2072791.898	1061356.131
	CURVE WCL_2	PC 19+54.78	2072790.865	1061586.042
		PI 19+74.98	2072790.774	1061606.244
		PCC 19+95.05	2072786.645	1061626.020
	CURVE WCL_3	PCC 19+95.05	2072786.645	1061626.020
		PI 20+07.16	2072784.170	1061637.877
		PT 20+18.07	2072774.154	1061644.692

NOTE:
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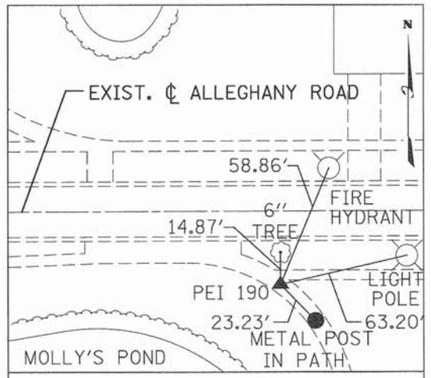
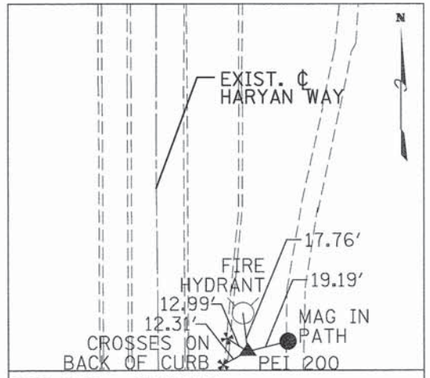
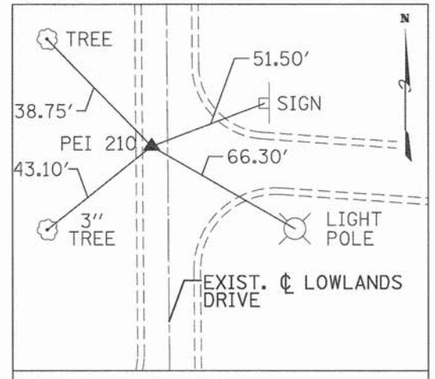


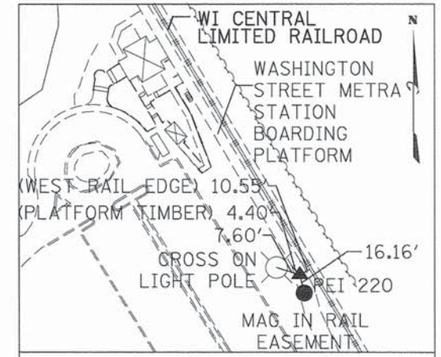
PEI 190 - MAG NAIL
STA. 105+20.24, 647.12′ RT.
(PROP. WASHINGTON STREET)
N 2072185.67
E 1060181.95 EL 785.90



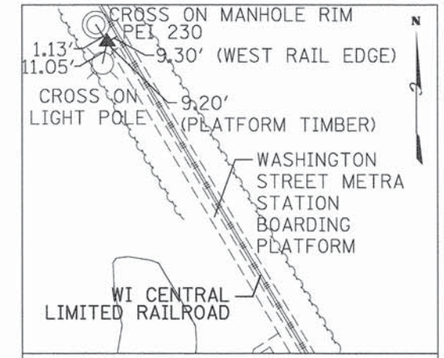
PEI 200 - 3′ REBAR
STA. 103+47.24, 250.88′ RT.
(PROP. WASHINGTON STREET)
N 2072573.16
E 1059990.38 EL 785.83



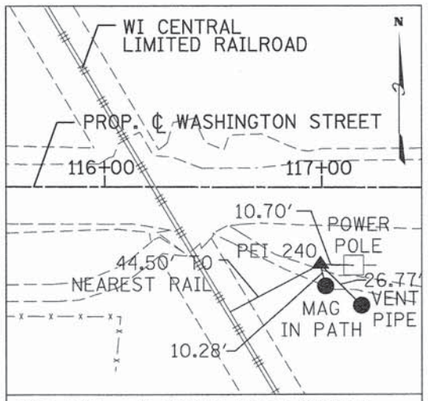
PEI 210 - MAG NAIL
STA. 109+30.79, 343.23′ LT.
(PROP. WASHINGTON STREET)
N 2073189.41
E 1060554.52 EL 783.36



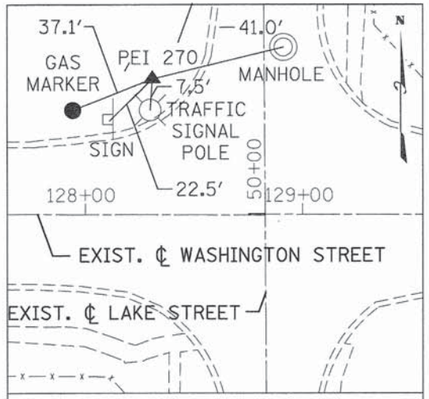
PEI 220 - 3′ REBAR WITH TOPPER
JUST OFF END OF BOARDING PLATFORM
STA. 112+66.83, 579.62′ LT.
(PROP. WASHINGTON STREET)
N 2073430.32
E 1060896.25 EL 789.57



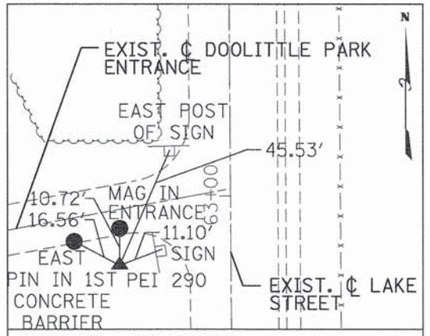
PEI 230 - 3′ REBAR WITH TOPPER
JUST OFF END OF BOARDING PLATFORM
STA. 109+60.12, 1140.58′ LT.
(PROP. WASHINGTON STREET)
N 2073987.24
E 1060567.57 EL 789.90



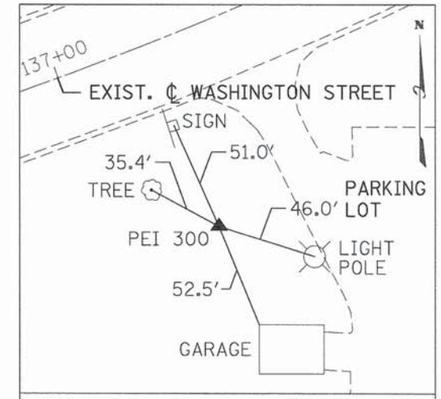
PEI 240 - 3′ REBAR WITH TOPPER
STA. 116+99.52, 35.69′ RT.
N 2072813.65
E 1061330.88 EL 786.62



PEI 270 - 3′ REBAR WITH TOPPER
STA. 128+32.26, 55.42′ LT.
N 2072899.68
E 1062464.02 EL 777.62



PEI 290 - 3′ REBAR
STA. 62+76.82, 42.67′ LT.
(EXIST. LAKE STREET)
STA. 128+26.43, 1272.96′ LT.
(EXIST. WASHINGTON STREET)
N 2074117.23
E 1062463.66 EL 775.33



PEI 300 - 3′ REBAR WITH TOPPER
STA. 137+43.55, 90.65′ RT.
N 2072894.90
E 1063391.42 EL 775.50

NOTE:
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ALIGNMENT, TIES, & BENCHMARKS

SCALE: N/A | SHEET NO. ALI 3 OF 3 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	29
				61A63

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

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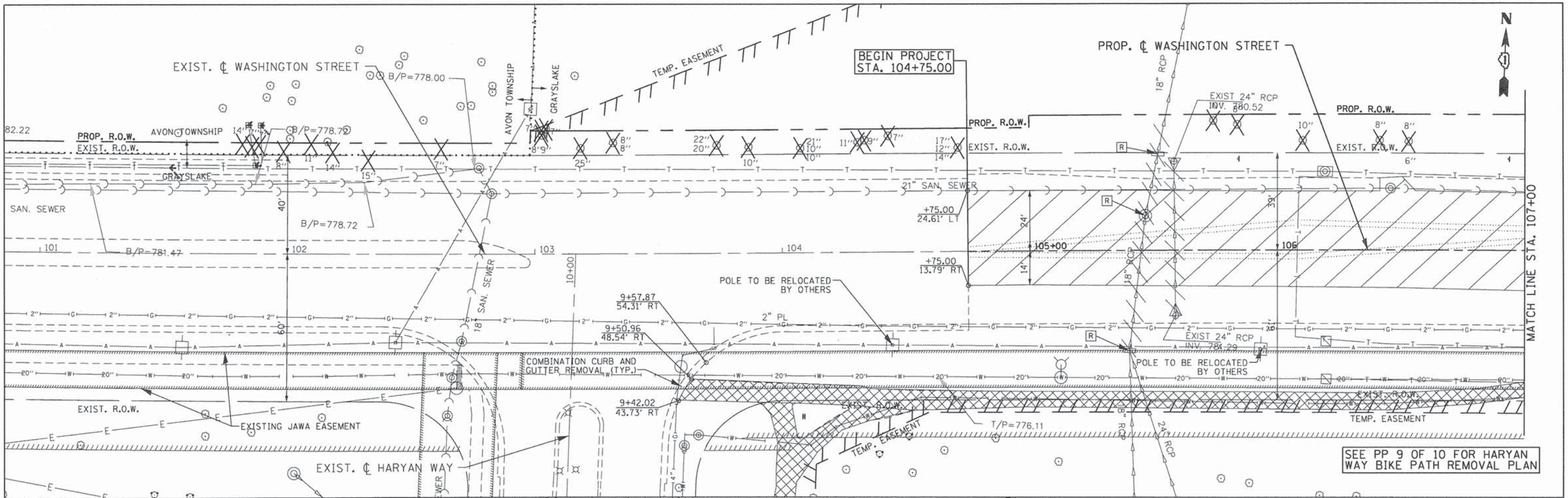

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. REM 1 OF 8 | STA. BOP TO STA. 113+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	30
		CONTRACT NO. 61A63		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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NOTE:
BUILDING REMOVAL TO BE DONE BY OTHERS PRIOR TO CONSTRUCTION.

EXIST. WCL SIGNAL BUNGALOW TO BE RELOCATED (SEE RAILROAD PLANS)

FENCE REMOVAL (Z0022800)

PROP. ℄ WASHINGTON STREET

+17.31
37.75' LT

EXIST. R.O.W.

PROP. PERM. EASEMENT

EXIST. ℄ WISCONSIN CENTRAL LIMITED RAILROAD

6" OAK TAGGED FOR TRANSPLANT

EXIST FILLED 15" CMP INV. 785.27

POLE TO BE RELOCATED BY OTHERS

EXIST 24" RCP INV. 783.64

EXIST 24" RCP INV. 784.13

21" SAN. SEWER

MATCH LINE STA. 113+00

MATCH LINE STA. 119+00

113 114 115+00 116 117 118

EXISTING JAWA EASEMENT

EXIST 4" PVC INV. 786.42

EXIST 6" CPP INV. 783.39

EXIST 15" RCP INV. 784.52

TEMP. EASEMENT

N

LEGEND:

- STORM SEWER REMOVAL
- R — REMOVE STRUCTURE
- A — FRAME AND GRATE ADJUSTMENT
- REC — STRUCTURE TO BE RECONSTRUCTED
- — x — TEMPORARY FENCE
- TREE REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- BIKE PATH REMOVAL
- PAVED SHOULDER REMOVAL

PROP. ℄ WASHINGTON STREET

COMBINATION CURB AND GUTTER REMOVAL (TYP.)

HMA SURF REM 2

+69.47
29.89' LT

12" RCP

MATCH LINE STA. 119+00

MATCH LINE STA. 125+00

119 120+00 121 122 123 124

SIDEWALK REMOVAL

+87.77
62.07' RT

+69.47
33.06' RT

+69.47
35.38' RT

+69.47
51.24' RT

+69.47
59.24' RT

+39.53
89.17' RT

+12.11
74.71' RT

+87.79
65.77' RT

+36.17
90.84' RT

+33.81
95.80' RT

POLE TO BE RELOCATED BY OTHERS

EXISTING JAWA EASEMENT

END RECONSTRUCTION STA. 124+69.47

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. REM 2 OF 8 | STA. 113+00 TO STA. 125+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	31

CONTRACT NO. 61A63

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

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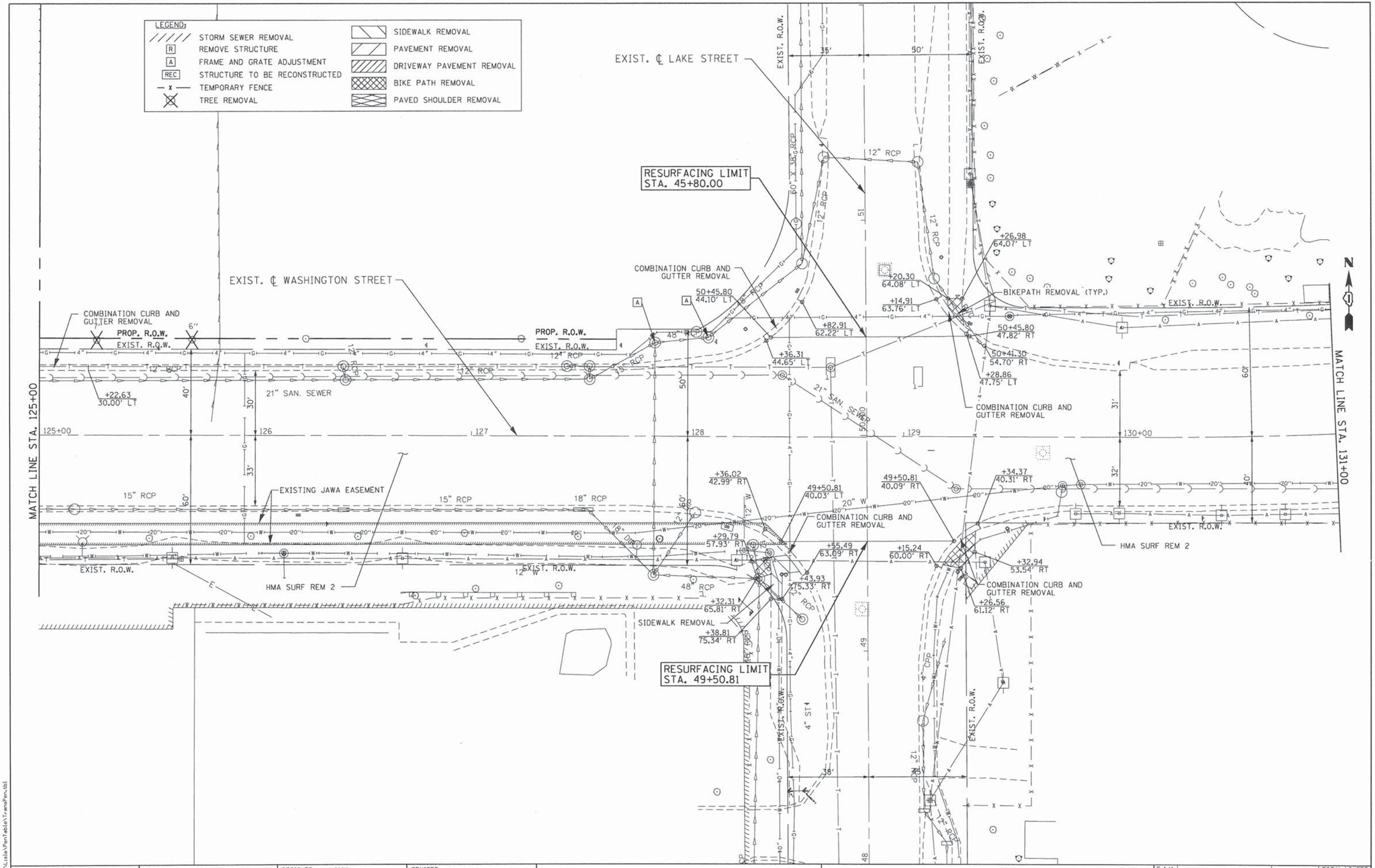

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. REM 3 OF 8 | STA. 125+00 TO STA. 131+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	32
		CONTRACT NO. 61A63		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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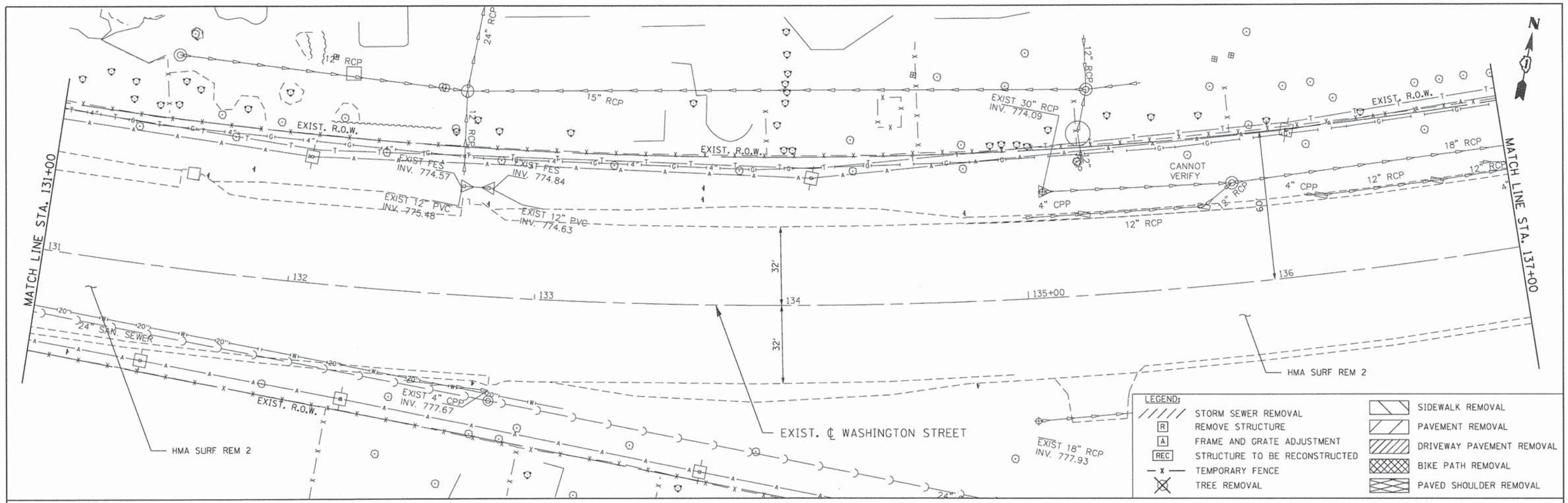

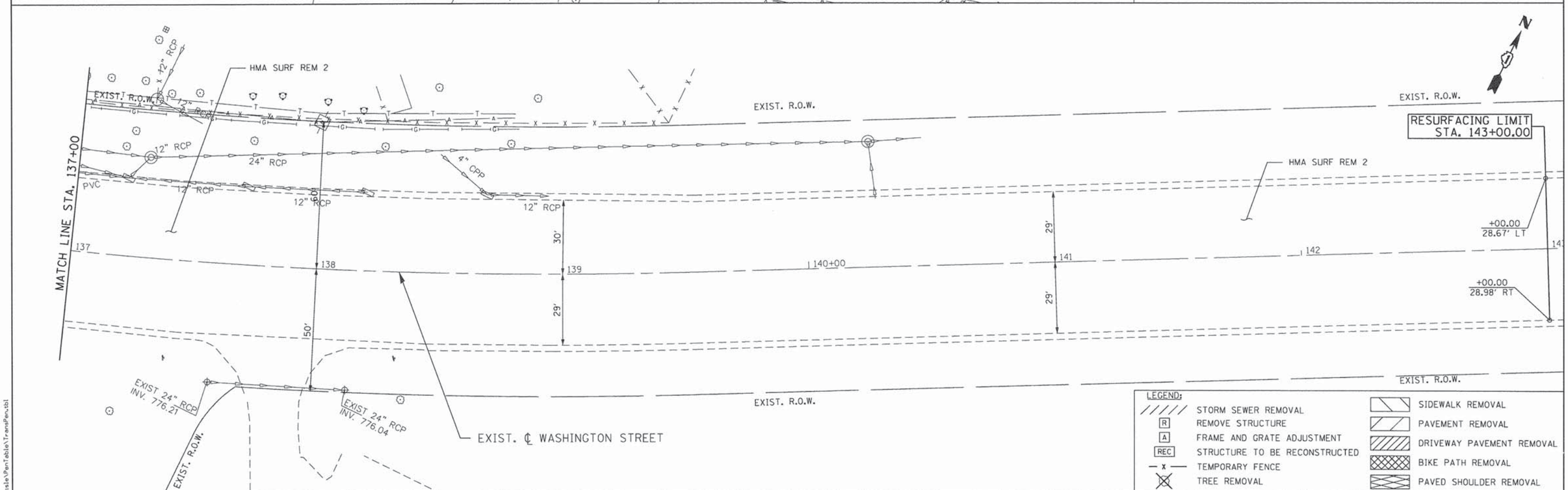

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. REM 4 OF 8 | STA. 131+00 TO STA. EOP

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	33

CONTRACT NO. 61A63

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

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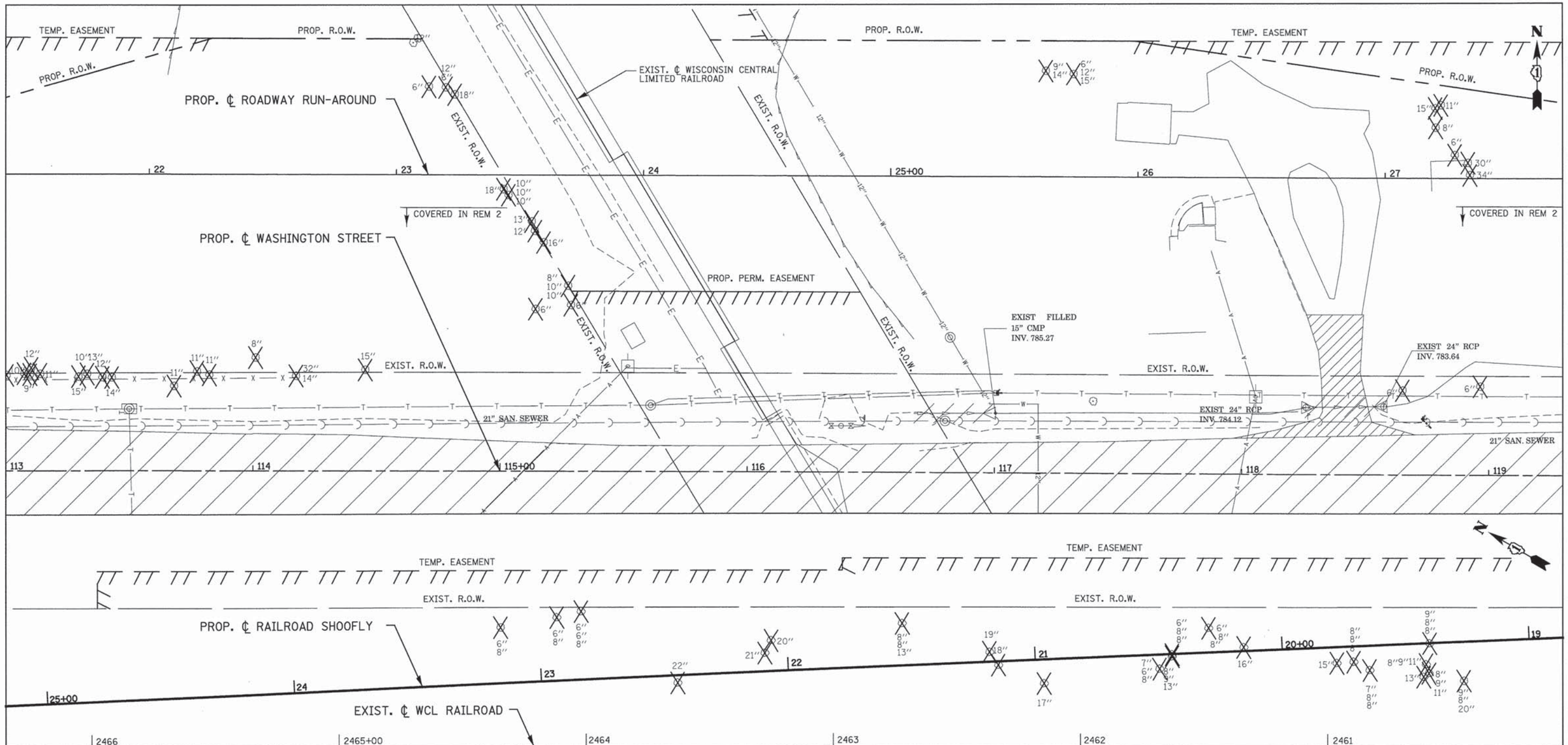

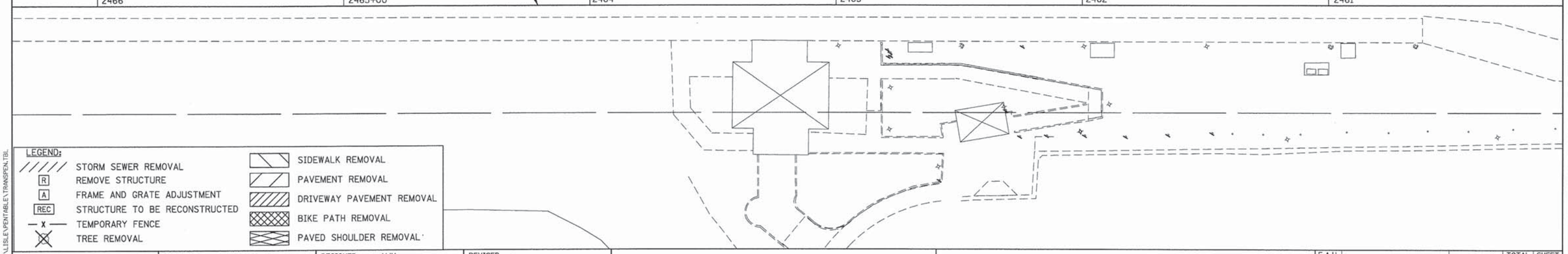

LEGEND:

- STORM SEWER REMOVAL
- R — REMOVE STRUCTURE
- A — FRAME AND GRATE ADJUSTMENT
- REC — STRUCTURE TO BE RECONSTRUCTED
- X — TEMPORARY FENCE
- TREE REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- BIKE PATH REMOVAL
- PAVED SHOULDER REMOVAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
TREE REMOVAL PLAN (ROADWAY RUN-AROUND AND RAILROAD SHOOFLY)

SCALE: 1"=20' | SHEET NO. REM 5 OF 8 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	34
		CONTRACT NO. 61A63		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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EXIST. ℄ LAKESIDE DRIVE

EXIST. ℄ WASHINGTON STREET

PROP. R.O.W.

EXIST. R.O.W.

AVON TOWNSHIP

GRAYSLAKE

94 | 95+00 | 96 | 97 | 98 | 99

+61.73 5.50' LT
+63.74 5.50' LT
+56.22 0.00' RT
+63.69 5.50' RT
+61.68 5.50' RT

MATCH LINE STA. 100+00

EXISTING JAWA EASEMENT

MOT LIMIT STA. 97+22.00

LEGEND:

- STORM SEWER REMOVAL
- R — REMOVE STRUCTURE
- A — FRAME AND GRATE ADJUSTMENT
- REC — STRUCTURE TO BE RECONSTRUCTED
- x — TEMPORARY FENCE
- TREE REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- BIKE PATH REMOVAL
- PAVED SHOULDER REMOVAL

BEGIN RUN-AROUND STA. 11+00.00 (WASH. ST. STA. 102+76.11)

TEMPORARY PATH REMOVAL (PAID AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)

TEMP. EASEMENT

MATCH LINE STA. 14+00

11+00.00 19.00' RT.
11+00.00 17.02' RT.
102+68.50 5.50' LT
+91.56 0.87' LT
102+98+00 3.99' RT
102+89.81 5.50' RT
12+56.66 21.08' RT.
+94.12 22.00' LT.
+94.12 19.00' LT.
102+52.36 31.63' RT.
102+55.59 33.99' RT.
102+59.60 45.00' RT.
102+53.60 45.00' RT.

100+00 | 101 | 102 | 10+00 | 11 | 103 | 12 | 13 | 19 | 104 | 105+00

PROP. ℄ RUN-AROUND

EXIST. ℄ HARYAN WAY

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WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
MOT TEMPORARY PAVEMENT REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. REM 6 OF 8 | STA. BOP TO STA. 14+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	35
		CONTRACT NO. 61A63		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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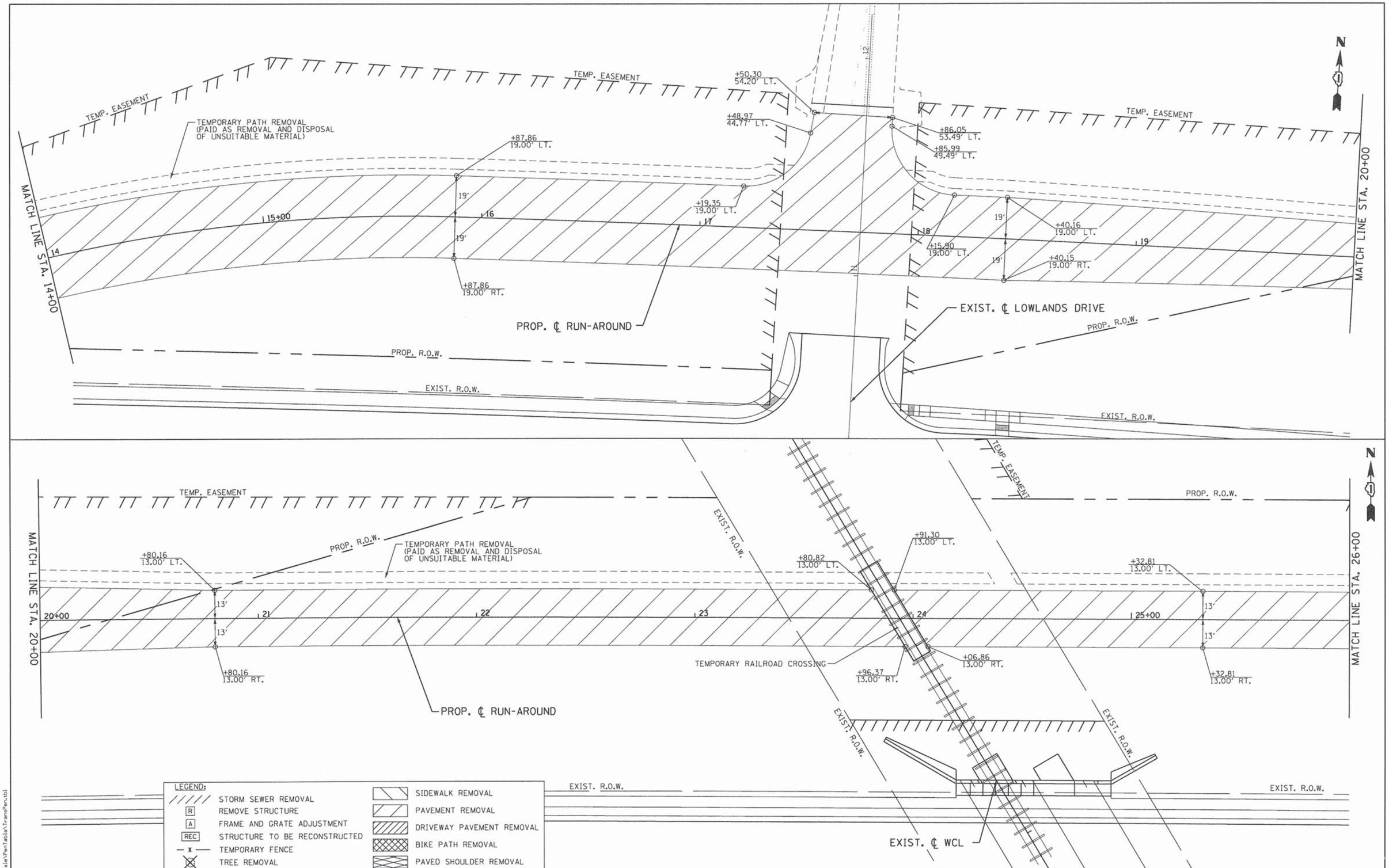

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
MOT TEMPORARY PAVEMENT REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. REM 7 OF 8 | STA. 14+00 TO STA. 26+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	36

CONTRACT NO. 61A63

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

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TEMP. EASEMENT

TEMP. EASEMENT

PROP. R.O.W.

PROP. R.O.W.

+72.12
13.00' LT

TEMPORARY PATH REMOVAL
(PAID AS REMOVAL AND DISPOSAL
OF UNSUITABLE MATERIAL)

13'

13'

+72.12
13.00' RT

MATCH LINE STA. 26+00

26

27

28

29

30+00

31

+43.81
13.00' LT.

+43.81
13.00' RT.

MATCH LINE STA. 32+00

PROP. ℄ RUN-AROUND

PROP. PUMP STATION

EXIST. R.O.W.

EXIST. R.O.W.

121

122

123

N

LEGEND:

- STORM SEWER REMOVAL
- R — REMOVE STRUCTURE
- A — FRAME AND GRATE ADJUSTMENT
- REC — STRUCTURE TO BE RECONSTRUCTED
- x — TEMPORARY FENCE
- TREE REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- BIKE PATH REMOVAL
- PAVED SHOULDER REMOVAL

TEMP. EASEMENT

PROP. R.O.W.

PROP. R.O.W.

51

N

TEMPORARY PATH REMOVAL
(PAID AS REMOVAL AND DISPOSAL
OF UNSUITABLE MATERIAL)

PROP. ℄ RUN-AROUND

+76.75
22.48' LT

+77.03
17.49' LT

PROP. R.O.W.

EXIST. R.O.W.

MATCH LINE STA. 32+00

32

13'

13'

33

+77.39
11.00' LT

+77.28
13.00' LT

34

35+00

36

50+00

129

+27.58
13.00' RT

128

127

126

125+00

124

END RUN-AROUND
STA. 33+77.39
(WASH. ST. STA. 125+22.63

EXIST. ℄ WASHINGTON STREET

EXISTING JAWA EASEMENT

PROP. ℄ WASHINGTON STREET

EXIST. R.O.W.

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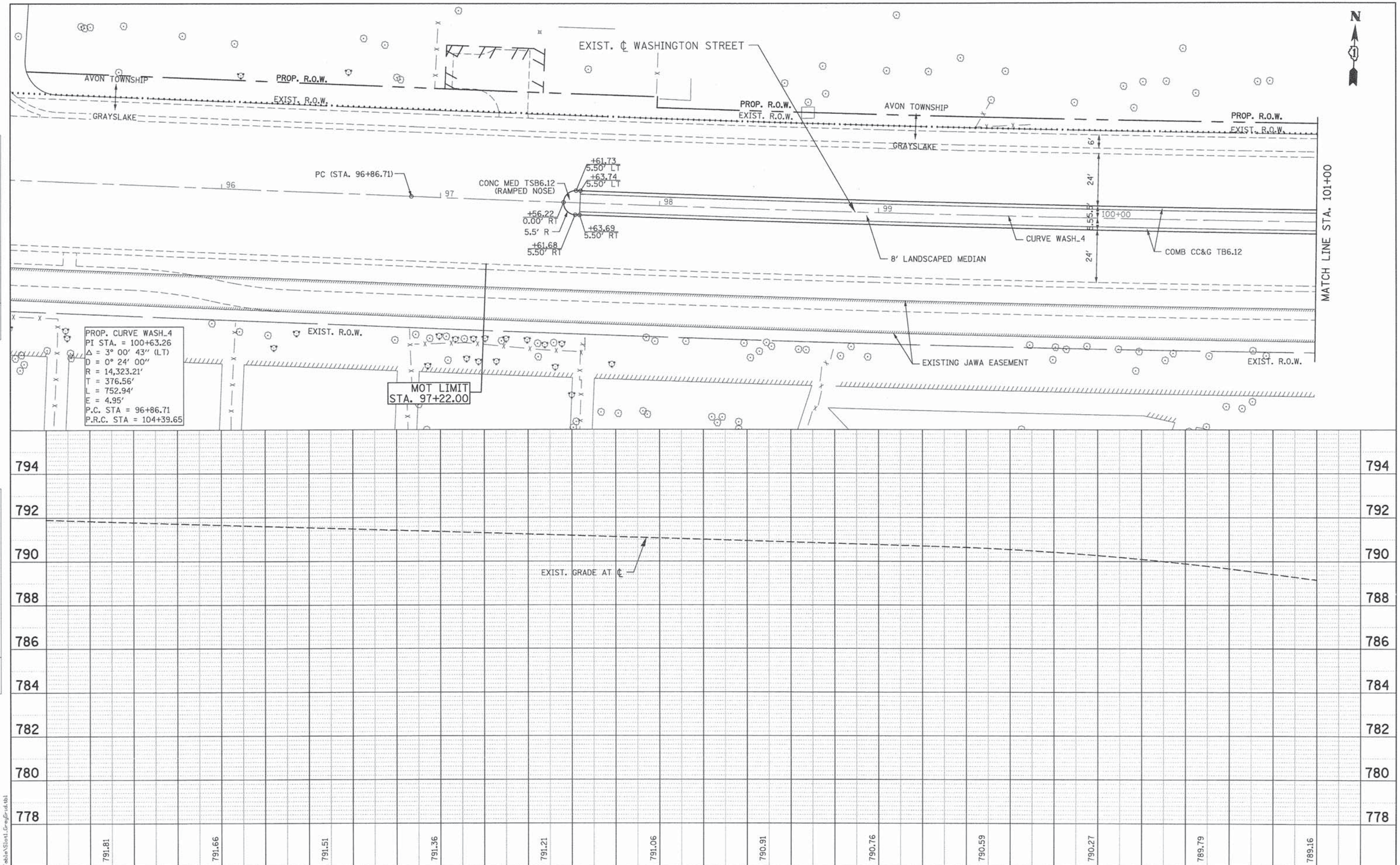
WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
MOT TEMPORARY PAVEMENT REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. REM 8 OF 8 | STA. 26+00 TO STA. EOP

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	37
			61A63	

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



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ALIGNMENT CHECKED		
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CADD FILE NAME		
NOTE BOOK		
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PROFILE	BY	DATE
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PLOTTED		
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MASTER PLATTED		
STRUCTURE NOTAT'NS CHKD		
NOTE BOOK		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. PP 1 OF 10 | STA. BOP TO STA. 101+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	38
				61A63

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

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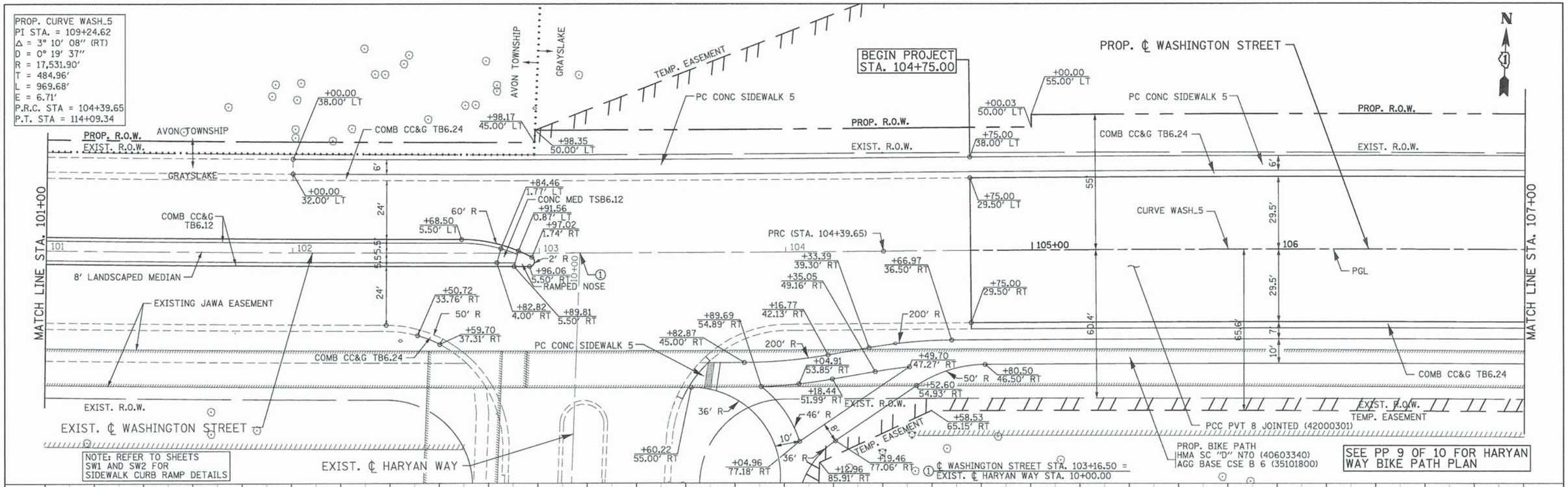
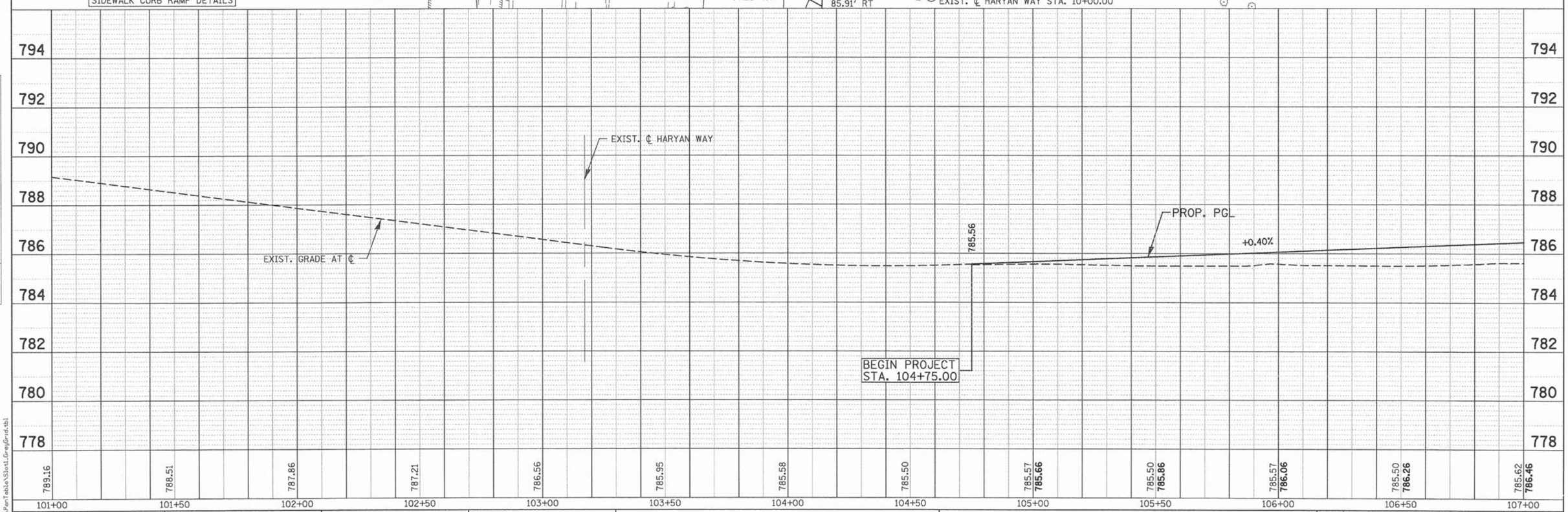
PROP. CURVE WASH_5
PI STA. = 109+24.62
Δ = 3° 10′ 08″ (RT)
D = 0° 19′ 37″
R = 17,531.90′
T = 484.96′
L = 969.68′
E = 6.71′
P.R.C. STA = 104+39.65
P.T. STA = 114+09.34





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY PLAN AND PROFILE

SCALE: 1″=20′ | SHEET NO. PP 2 OF 10 | STA. 101+00 TO STA. 107+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	39

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

61A63

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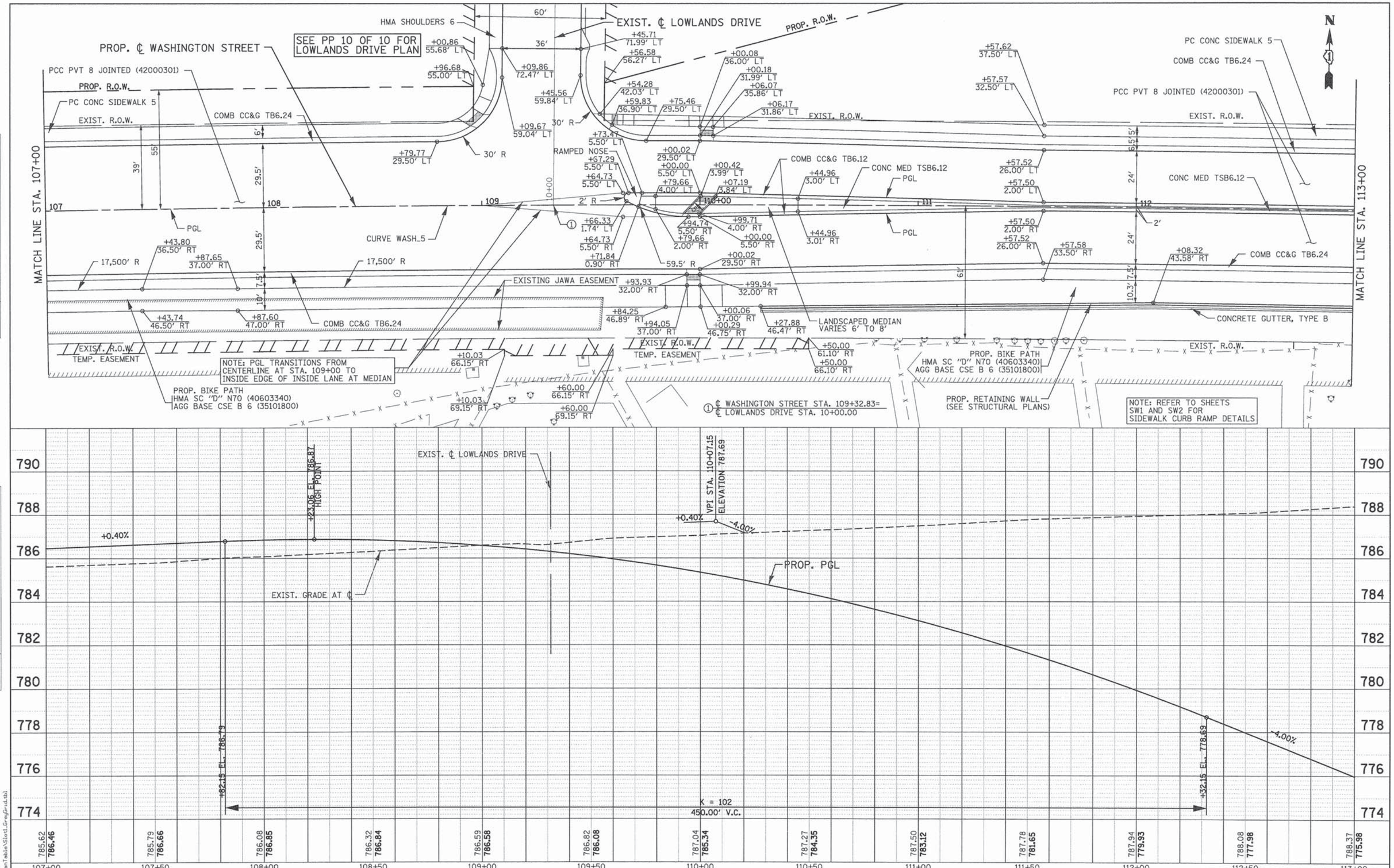

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PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / BLA AND ROD / STRUCTURE NOTAT'NS CH'KD — NOTE BOOK NO. — BY — DATE

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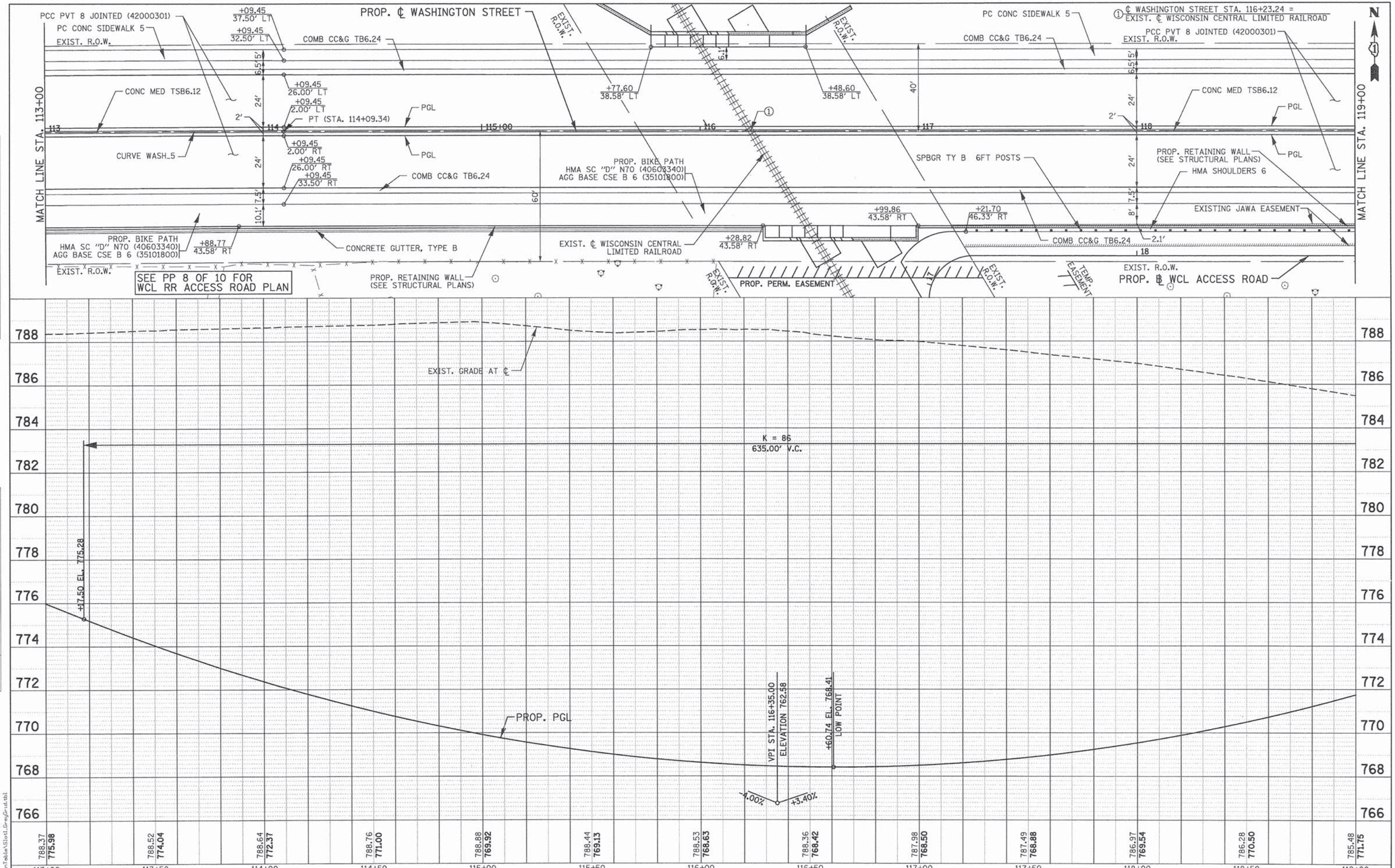
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. PP 3 OF 10 | STA. 107+00 TO STA. 113+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	40

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | 61A63



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PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BRIDGE/MSE STRUCTURE NO. — NOTATNS CHKD — BY — DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. PP 4 OF 10 | STA. 113+00 TO STA. 119+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	41
			61A63	

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

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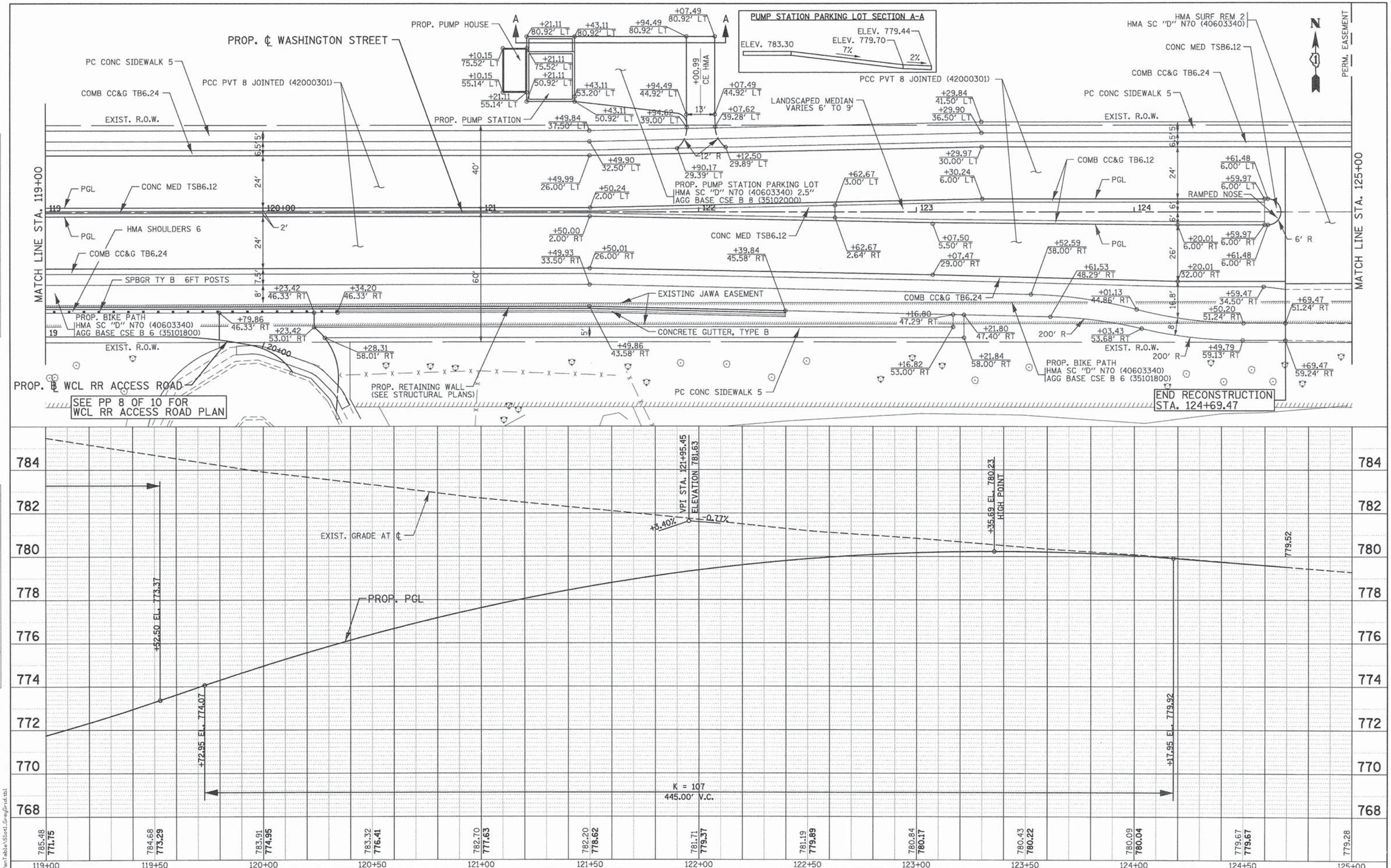

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PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BRIDGE CHECKED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

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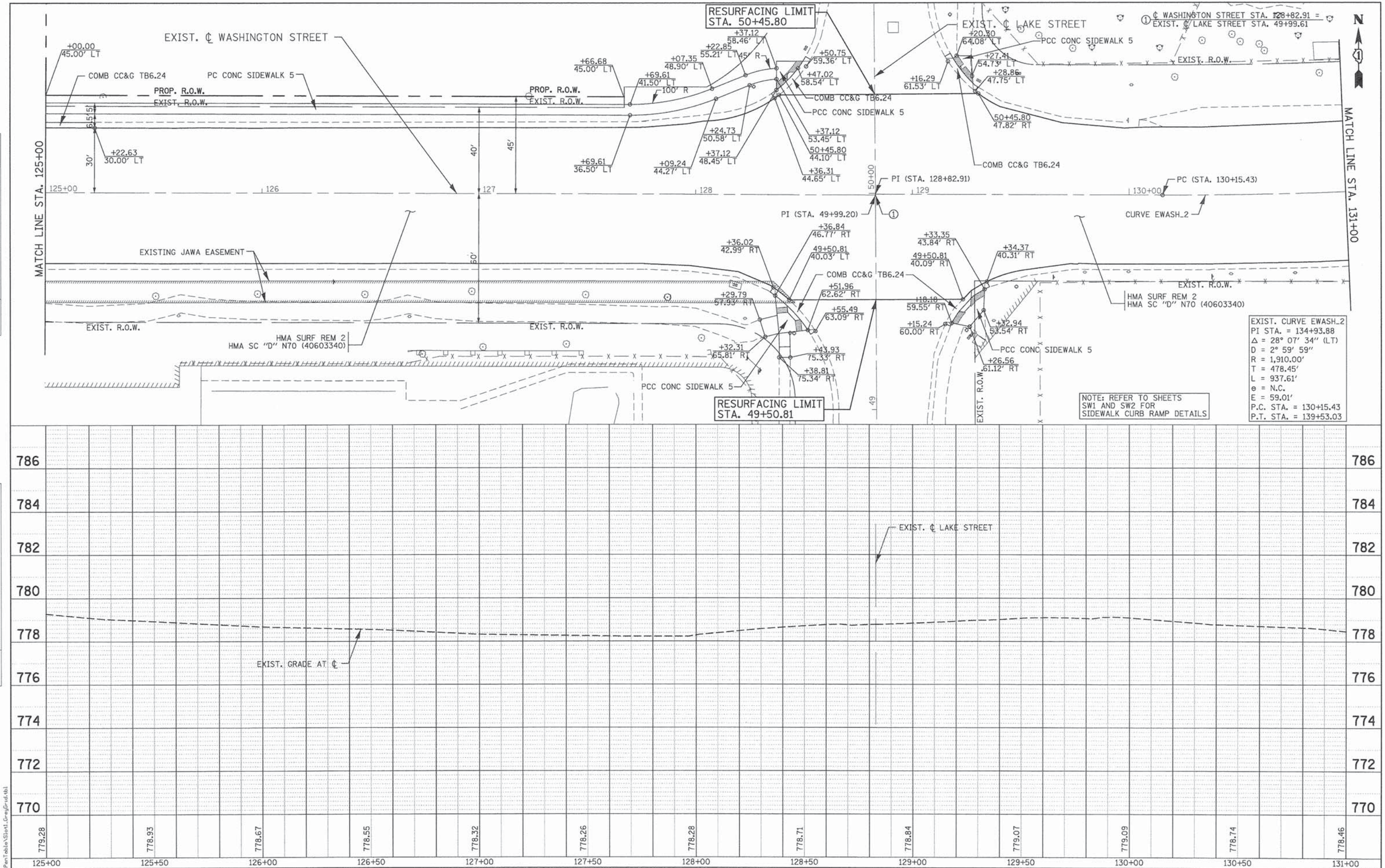
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. PP 5 OF 10 | STA. 119+00 TO STA. 125+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	42
				61A63

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



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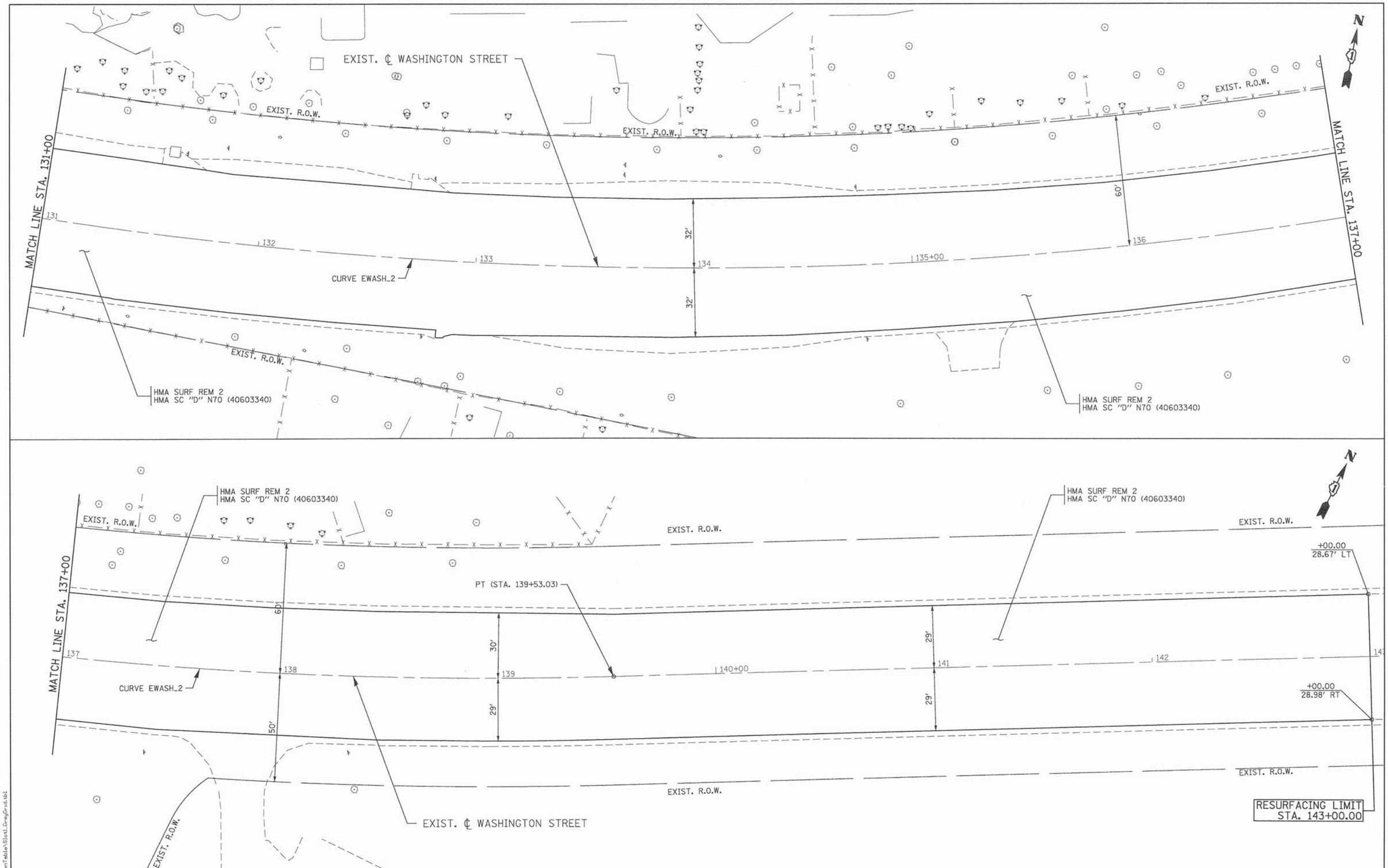
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. PP 6 OF 10 | STA. 125+00 TO STA. 131+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	43

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | 61A63



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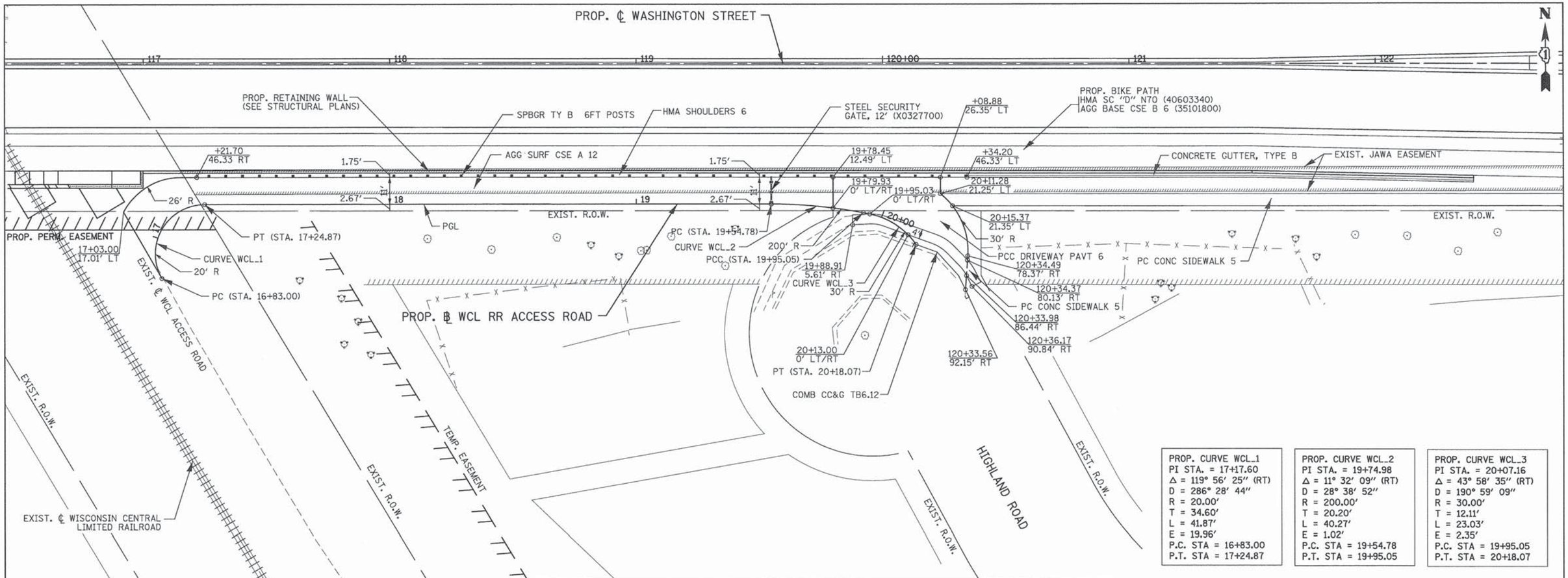
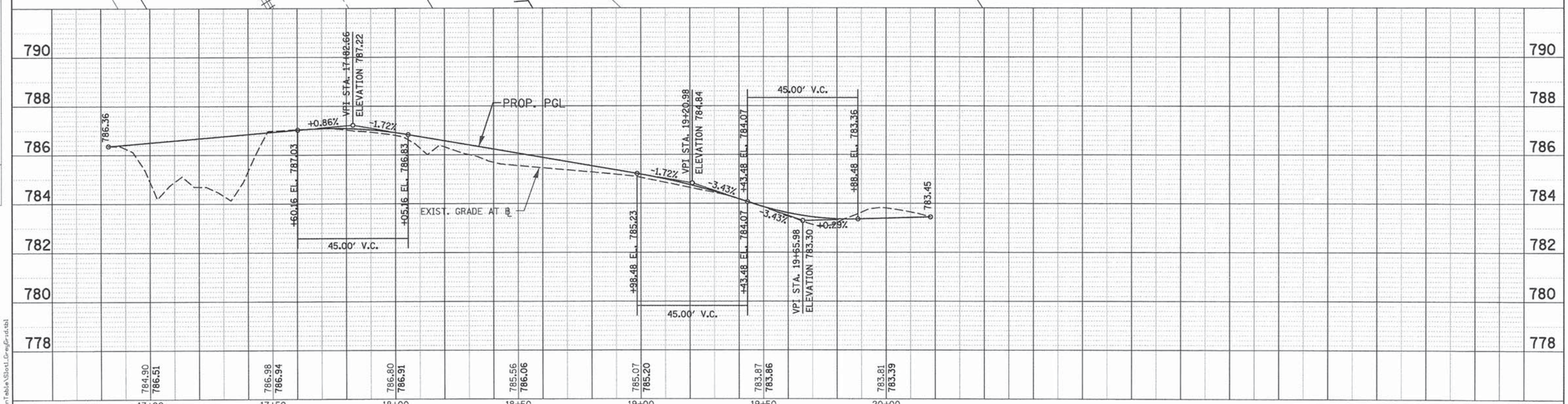
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	44
				61A63
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROP. CURVE WCL_1	PROP. CURVE WCL_2	PROP. CURVE WCL_3
PI STA. = 17+17.60	PI STA. = 19+74.98	PI STA. = 20+07.16
Δ = 119° 56' 25" (RT)	Δ = 11° 32' 09" (RT)	Δ = 43° 58' 35" (RT)
D = 286° 28' 44"	D = 28° 38' 52"	D = 190° 59' 09"
R = 20.00'	R = 200.00'	R = 30.00'
T = 34.60'	T = 20.20'	T = 12.11'
L = 41.87'	L = 40.27'	L = 23.03'
E = 19.96'	E = 1.02'	E = 2.35'
P.C. STA = 16+83.00	P.C. STA = 19+54.78	P.C. STA = 19+95.05
P.T. STA = 17+24.87	P.T. STA = 19+95.05	P.T. STA = 20+18.07



PLAN — NOTE BOOK NO. — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL INFO. VERIFIED / CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. — SURVEYED / PLOTTED / GRADES CHECKED / ALL INFO. VERIFIED / STRUCTURE NOTATIONS CHKD — BY — DATE

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com
PATRICK ENGINEERING

USER NAME = tkoeppen(Rdwy_Lisle)	DESIGNED - MJV	REVISED -	
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PLOT SCALE = 1:40	CHECKED - MJP	REVISED -	
PLOT DATE = 7/3/2014 6:12:31 AM	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
WCL RR ACCESS ROAD PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. PP 8 OF 10 | STA. 16+83.00 TO STA. 20+18.07

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	45
				61A63

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

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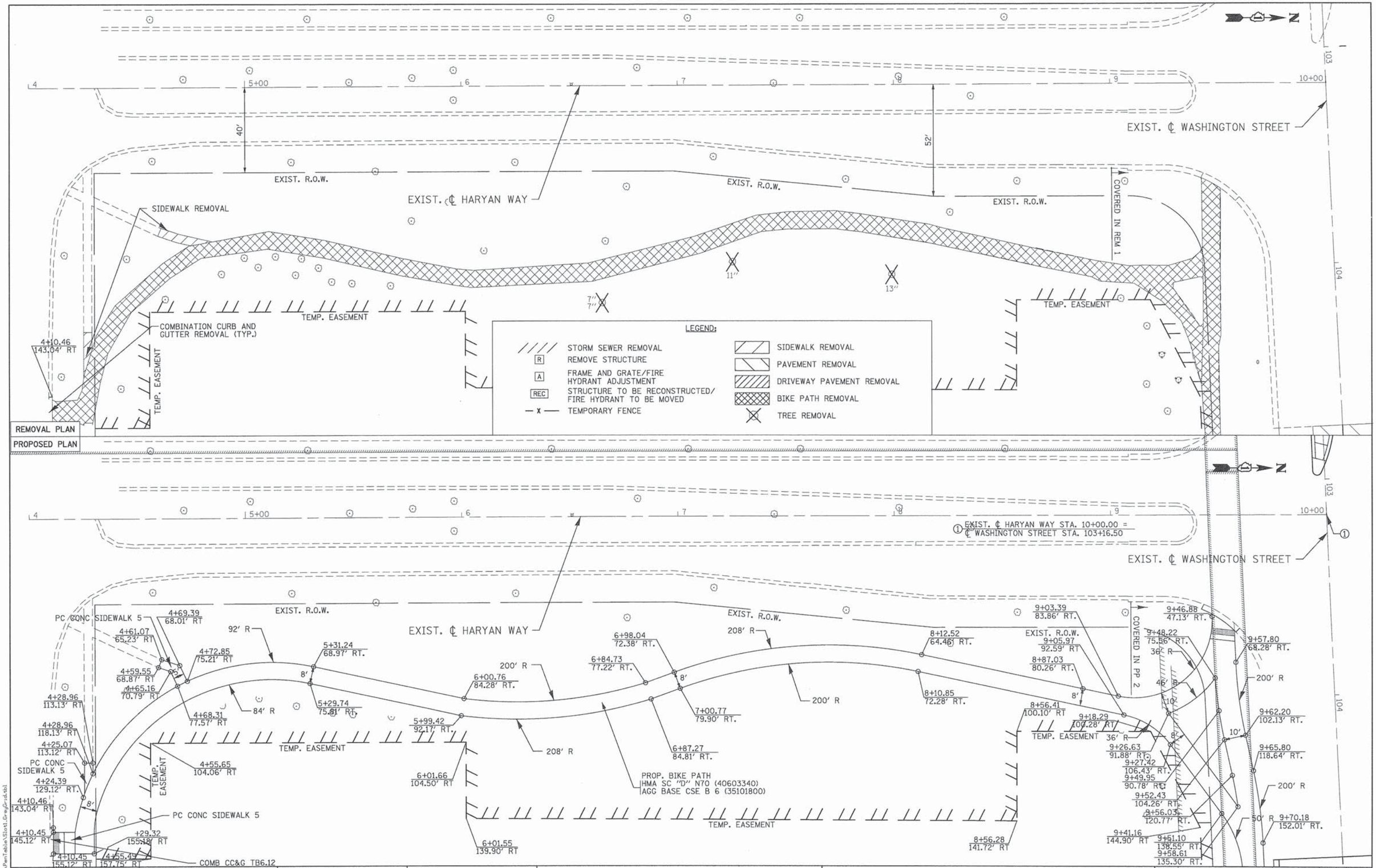

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
BIKE PATH PLAN

SCALE: 1"=20' | SHEET NO. PP 9 OF 10 | STA. 4+00 TO STA. 10+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	46

61A63

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

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REMOVAL PLAN

EXIST. ℄ LOWLANDS DRIVE

COMBINATION CURB AND GUTTER REMOVAL (TYP.)

COVERED IN REM 1

PROP. R.O.W.

EXIST. R.O.W.

TEMP. EASEMENT

EXISTING JAWA EASEMENT

14″ 7″

13″ 12″ 11″

11+73.65 25.77′ LT

11+78.15 25.42′ LT

RECONSTRUCTION LIMIT STA. 11+78.15

109′

10+00

23′ 13′ 36′ 24′

HMA SURF REM BUTT JT

11+78.15 12.00′ RT

11+73.65 12.00′ RT

COMBINATION CURB AND GUTTER REMOVAL (TYP.)

REMOVE AND RELOCATE SIGN (SPECIAL) (X0327008) SEE MOT PLAN FOR INTERIM LOCATION

110+00

PROP. ℄ WASHINGTON STREET

LEGEND:

- STORM SEWER REMOVAL
- R — REMOVE STRUCTURE
- A — FRAME AND GRATE ADJUSTMENT
- REC — STRUCTURE TO BE RECONSTRUCTED
- TEMPORARY FENCE
- TREE REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- BIKE PATH REMOVAL
- PAVED SHOULDER REMOVAL

PROPOSED PLAN

PC CONC SIDEWALK 5

COMB CC&G TB6.24

EXIST. ℄ LOWLANDS DRIVE

HMA SHOULDERS 6

10+54.44 36.98′ LT

10+72.15 30.00′ LT

11+37.95 30.00′ LT

10+28.73 53.52′ LT

SUBBASE GRANULAR MATERIAL, TYPE B 4″
HOT-MIX ASPHALT BASE COURSE, 8″
HMA BC IL-19.0 N70 (40603085) (2.25″)
HMA SC "D" N70 (40603340) (1.75″)

30′ R

10+58.72 24.00′ LT

10+72.15 24.00′ LT

11+37.59 24.00′ LT

6′ 24′ 36′ 19.7′

11+78.15 25.42′ LT

11+73.65 25.77′ LT

① 10+00

COMB CC&G TB6.24

10+60.00 12.00′ RT

HMA SHOULDERS 6

12′ 2′ 24′ 12′

HMA SC "D" N70 (40603340) (2″)

10+72.15 12.00′ RT

30′ R

10+30.00 42.32′ RT

PCC PVT 8 JOINTED (42000301)

11+73.65 12.00′ RT

RECONSTRUCTION LIMIT STA. 11+78.15

11+78.15 12.00′ RT

10+56.74 24.06′ RT

AGGREGATE SHOULDERS, TYPE B 6″

110+00

PROP. ℄ WASHINGTON STREET

① ℄ LOWLANDS DRIVE STA. 10+00.00= ℄ WASHINGTON STREET STA. 109+32.83

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
LOWLANDS DRIVE PLAN

SCALE: 1″=20′ | SHEET NO. PP 10 OF 10 | STA. 10+00 TO STA. 11+78.15

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	47

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

61A63

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MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO ADDITIONAL COMPENSATION SHALL BE DUE TO THE CONTRACTOR IF A MODIFIED PLAN IS PROPOSED.

2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS.

3. CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE THROUGH LANE OPEN TO TRAFFIC ALONG LAKE STREET IN EACH DIRECTION THROUGHOUT THE PROJECT AREA AT ALL TIMES.

4. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO LOWLANDS DRIVE. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (ROAD).

5. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO HARYAN WAY AT ALL TIMES.

6. VERTICAL PANELS SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 50 FT CENTER TO CENTER ON TANGENT, AND 25 FT CENTER TO CENTER ON TAPERS AND CURVES.

7. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

8. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

9. THE CONTRACTOR SHALL MAINTAIN AGGREGATE PATH ACCESS FOR THE ENTIRETY OF CONSTRUCTION EXCEPT BETWEEN 9AM AND 3PM ON MONDAY, TUESDAY, WEDNESDAY, AND THURSDAY WITH THE CONSENT OF THE LAKE COUNTY DIVISION OF TRANSPORTATION AND THE VILLAGE OF GRAYSLAKE UNLESS OTHERWISE AUTHORIZED. ANY TEMPORARY CLOSURE OF THE AGGREGATE PATH SHALL BE PRECEEDED BY A 48-HOUR NOTICE TO THE LAKE COUNTY DIVISION OF TRANSPORTATION. ALL GAPS IN THE TEMPORARY PATH MUST BE CLOSED UP AT THE END OF THE WORK DAY IN STONE SCREENINGS OR FINAL PAVED ASPHALT.

10. THE CONTRACTOR SHALL PLACE A CHANGEABLE MESSAGE SIGN AT THE BEGINNING OF THE PROJECT, HARYAN WAY, THE NORTH LEG OF LAKE STREET, THE SOUTH LEG OF LAKE STREET, AND THE END OF THE PROJECT. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACE TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN".

11. ALL TEMPORARY INFORMATION SIGNS SHALL BE PAID FOR SEPARATELY AT THE UNIT PRICE PER SQUARE FOOT FOR "TEMPORARY INFORMATION SIGNING".

12. ANY SAW CUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "PAVEMENT REMOVAL".

13. THE CONTRACTOR SHALL USE LEG EXTENSIONS FOR TYPE II BARRICADES OR PROVIDE A 2 FT WIDTH EARTH FILL PAD FOR DRUMS TO MEET MINIMUM BARRICADE HEIGHT (SEE STAGING TYPICAL CROSS SECTION SHEETS). THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

14. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.

15. ALL TEMPORARY PAVEMENT MARKINGS PROPOSED WITHIN THE WORK AREA SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION PHASE CHANGE.

16. ALL DRAINAGE STRUCTURES THAT ARE REQUIRED TO BE INSTALLED IN AN EARLIER STAGE TO MAINTAIN POSITIVE DRAINAGE AND ARE IN THE PROPOSED TEMPORARY PAVEMENT ARE REQUIRED TO BE ADJUSTED TO THE PROPOSED TEMPORARY PAVEMENT ELEVATION AND THEN ADJUSTED TO FINAL GRADE ONCE THE TEMPORARY PAVEMENT IS REMOVED. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING CONSTRUCTED.

17. TEMPORARY TRAFFIC CONTROL DEVICES SHALL CONFORM WITH MUTCD AND ICC GUIDELINES.

18. WCL's AUTHORIZED REPRESENTATIVE(S) SHALL HAVE FULL AUTHORITY CONCERNING THE OPERATIONS OF THE RAILROAD AND COUNTY'S CONTRACTOR(S) MUST COMPLY WITH WCL's REPRESENTATIVES' DIRECTIONS. COUNTY'S CONTRACTOR(S) SHALL NOT PERFORM ANY WORK ON THE WCL PROPERTY WITHOUT AUTHORIZATION TO DO SO FROM THE RAILROAD FLAGMAN.

19. THE CONTRACTOR SHALL PROVIDE STRORAGE AREA FOR MATERIALS NEEDED BY CN FORCES TO PERFORM CUTOVER TRACK WORK. THESE LOCATIONS HAVE BEEN ACCOUNTED FOR IN THE PROPOSED RAILROAD GRADING. SEE RAILROAD PLANS FOR LOCATIONS.

NOTE: BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT

MAINTENANCE OF TRAFFIC GENERAL NOTES CONTINUED

20. ANY PROPOSED ACTIVITY IN THE VICNITY OF A HIGHWAY-RAIL GRADE CROSSING MUST ADHERE TO THE GUIDELINES SET FORTH N THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) UNDER SECTION 6G.18: WORK IN THE VICINITY A GRADE CROSSING WHICH STATES: "WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE."

21. TEMPORARY INFORMATION POSTERS SHALL BE POSTED AT THE METRA STATION A MINIMUM OF 3 WEEKS IN ADVANCE OF MAJOR STAGE CHANGES DURING THE PROJECT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

STAGE 2B WEEKEND DETOUR GENERAL NOTES

1. THE SHORT-TERM CLOSURE OF THE ROADWAY RUNAROUND DURING STAGE 2B MUST OCCUR BETWEEN FRIDAY AT 9 PM AND MONDAY AT 5 AM, AND THE TIMING MUST BE APPROVED BY THE ENGINEER.

2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012, "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES" ADOPTED IN 2004, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION AND THE LCDOT "DETOUR PROCEDURES AND GUIDELINES".

3. THE DURATION OF THIS DETOUR SHALL NOT EXCEED 3 CONSECUTIVE CALENDAR DAYS. THE CONTRACTOR SHALL PROCEED WITH THE WORK IN AN EXPEDIENT MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.

4. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE (3) WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.

5. IF DEEMED NECESSARY BY THE ENGINEER, A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD A LEAST TWO (2) WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.

6. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE LAKE COUNTY DIVISION OF TRANSPORTATION REPRESENTATIVE FOR THIS DETOUR IS:

   JOHN P. SAUTER
   LAKE COUNTY DIVISION OF TRANSPORTATION
   TRAFFIC ENGINEERING SECTION
   600 W. WINCHESTER ROAD LIBERTYVILLE, IL 60048 (847) 377-7400

7. ALL DETOUR SIGN LOCATIONS WILL BE SUBJECT TO THE FINAL APPROVAL OF THE ENGINEER.

8. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.

9. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM, ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.

11. THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

12. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.

13. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE "STANDARD SPECIFICATIONS". ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.

14. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY "THE ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

15. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE "STANDARD SPECIFICATIONS". ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.

STAGE 2B WEEKEND DETOUR GENERAL NOTES CONTINUED

16. WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18" X 18".

17. ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.

18. THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3) AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.

19. THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.

20. DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC, THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.

21. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE "STANDARD SPECIFICATIONS" SHALL APPLY.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.

23. THE TEMPORARY PATH ADJACENT TO ROADWAY RUNAROUND IS SUBJECT TO THE SAME CLOSURE REQUIREMENTS AS THE ROADWAY.

24. THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.

25. THE PENALTY FOR EXCEEDING THE TIME LIMIT, AS STATED IN DETOUR GENERAL NOTE TWO OF THESE PLANS, SHALL EQUAL THE CHARGE FOR TRAFFIC CONTROL DEFICIENCY OF $6775.00 PER DAY, FOR EVERY CALENDAR DAY THE DETOUR AND ROAD CLOSURE EXCEEDS THE TIME LIMIT SET IN GENERAL NOTE TWO.

SEQUENCE OF CONSTRUCTION

PRE-STAGE

CONSTRUCTION

(1) CLEAR REMAINING DEBRIS FROM ACQUIRED FORMER FARMHOUSE PROPERTY. (BY OTHERS PRIOR TO CONSTRUCTION).
(2) RELOCATE CLCJAWA WATERMAIN AND GRAYSLAKE WATERMAIN. ALL N-S WATERMAIN CROSSINGS UNDER WASHINGTON STREET WILL BE BORED AND JACKED SUCH THAT TRAFFIC WILL NOT BE IMPACTED.
(3) CONSTRUCT AS MUCH PROPOSED LCPW SANITARY SEWER AS POSSIBLE WITHOUT IMPACTING TRAFFIC.
(4) ADDITIONAL UTILITY RELOCATES BY OTHERS TO BE COMPLETED IN THIS STAGE.

MAINTENANCE OF TRAFFIC

(5) UTILIZE IDOT STANDARDS 701201, 701101, 701106, 701427, 701502, 701901.

STAGE 1
SEE SHEET MOT-5

STAGE 2A
SEE SHEET MOT-6

STAGE 2B
SEE SHEET MOT-7

STAGE 2C
SEE SHEET MOT-8

STAGE 2D
SEE SHEET MOT-8A

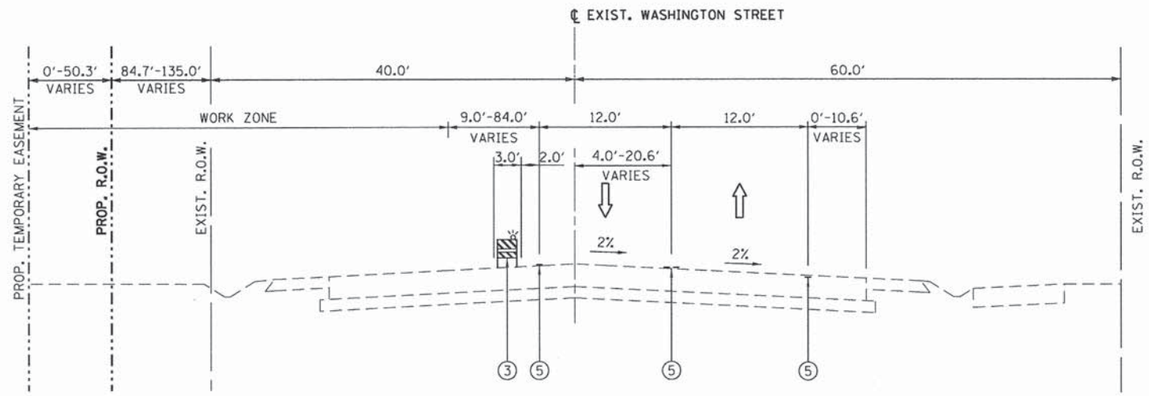
STAGE 3

CONSTRUCTION

(1) REMOVE TEMPORARY AT GRADE CROSSING AND CROSSING SIGNALS FOR ROADWAY RUNAROUND CROSSING OF FINAL TRACK ALIGNMENT. (WORK TO BE DONE BY WCL RAILROAD).
(2) REMOVE ROADWAY RUN-AROUND AND GRADE CROSSING OF ROADWAY RUNAROUND AND RAILROAD SHOOFLY.
(3) REGRADE AND RESTORE AFFECTED RUNAROUND AREA.
(4) CONSTRUCT PUMP STATION PARKING LOT.
(5) COMPLETE FINAL GRADING FOR SLOPE BETWEEN ROADWAY RUNAROUND AND WASHINGTON STREET.
(6) CONSTRUCT PORTIONS OF SIDEWALK AND CURB AND GUTTER THAT WERE NOT CONSTRUCTED DUE TO ROADWAY RUNAROUND.
(7) RESURFACE WASHINGTON STREET FROM STA. 124+69.47 TO STA. 139+92.00.
(8) COMPLETE LANDSCAPING.

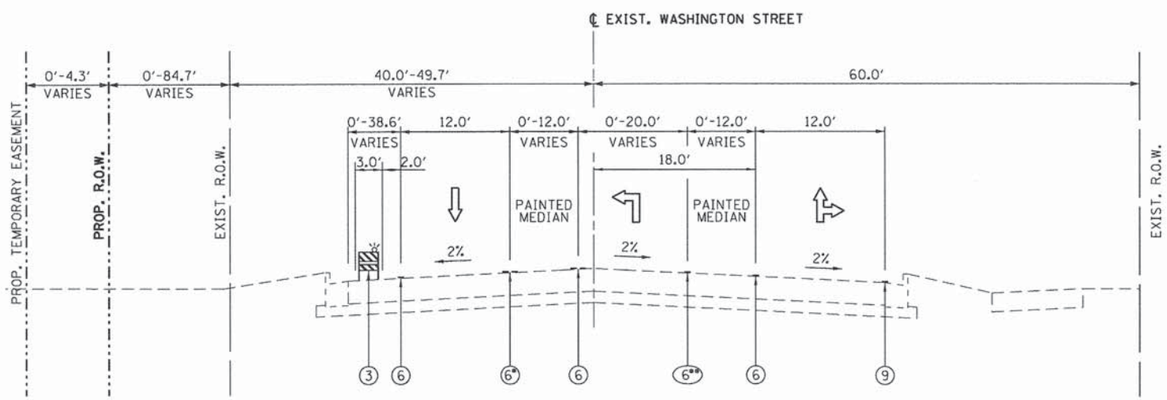
MAINTENANCE OF TRAFFIC

(9) UTILIZE IDOT STANDARDS 701101, 701106, 701427, 701901



WASHINGTON STREET STAGE 1

STA. 117+00.00 TO STA. 124+69.47



WASHINGTON STREET STAGE 1

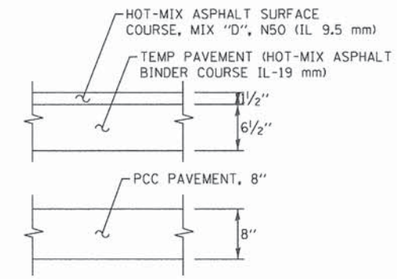
STA. 124+69.47 TO STA. 128+82.91

(6*) - FROM STA. 126+79.08 TO STA. 128+24.00

(6**) - FROM STA. 126+61.25 TO STA. 128+24.00

TEMPORARY PAVEMENT DETAILS

(CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT)



HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	PAY CODE NO	UNIT	AIR VOIDS @ NDES
TEMPORARY PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	X0712400	SQ YD	4% @ 50 GYR.
TEMP PAVEMENT (HOT-MIX ASPHALT BINDER COURSE IL-19 mm)			4% @ 50 GYR.

NOTES:

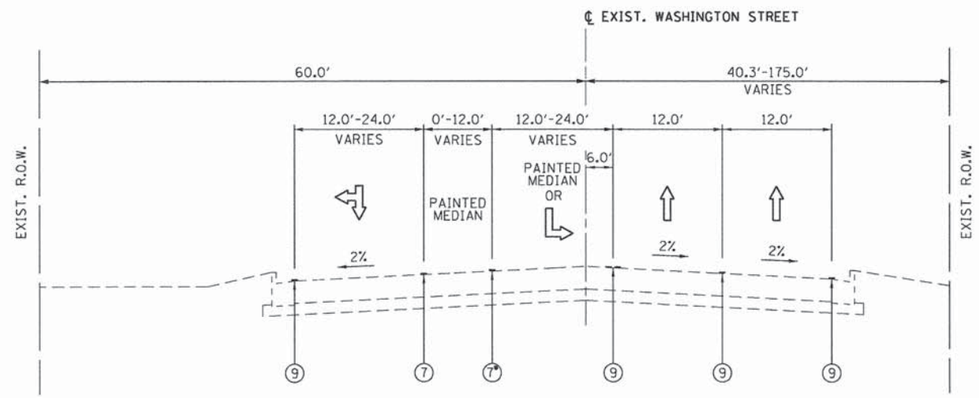
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.
3. PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS IV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; THE THICKNESS SHALL BE 8".

LEGEND:

(1) - TEMPORARY PAVEMENT, 8"
(2) - AGGREGATE BASE COURSE, TYPE A 4"
(3) - TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
(4) - VERTICAL PANELS WITH STEADY BURNING LIGHTS (50 FT C-C)
(5) - PAINT PAVEMENT MARKING
(6) - PAVEMENT MARKING TAPE, TY. III
(7) - THERMOPLASTIC PAVEMENT MARKING
(8) - POLYUREA PAVEMENT MARKING
(9) - EXISTING PAVEMENT MARKING
(10) - AGGREGATE SURFACE COURSE, TYPE`A 6"

NOTES

1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR THERMOPLASTIC PAVEMENT MARKINGS AND TAPE INFORMATION.
2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.



WASHINGTON STREET STAGES 1 & 2

STA. 128+82.91 TO STA. 143+00

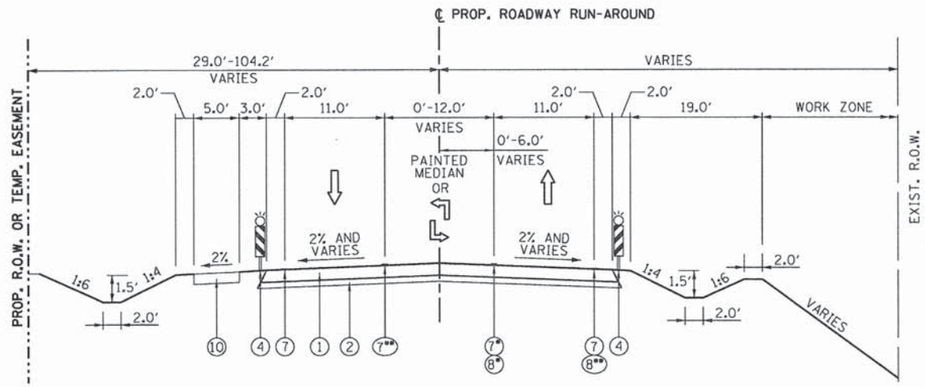
(7*) - FROM STA. 129+52.00 TO STA. 135+12.00

LEGEND:

(1) - TEMPORARY PAVEMENT, 8"
(2) - AGGREGATE BASE COURSE, TYPE A 4"
(3) - TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
(4) - VERTICAL PANELS WITH STEADY BURNING LIGHTS (50 FT C-C)
(5) - PAINT PAVEMENT MARKING
(6) - PAVEMENT MARKING TAPE, TY. III
(7) - THERMOPLASTIC PAVEMENT MARKING
(8) - POLYUREA PAVEMENT MARKING
(9) - EXISTING PAVEMENT MARKING
(10) - AGGREGATE SURFACE COURSE, TYPE A 6"

NOTES

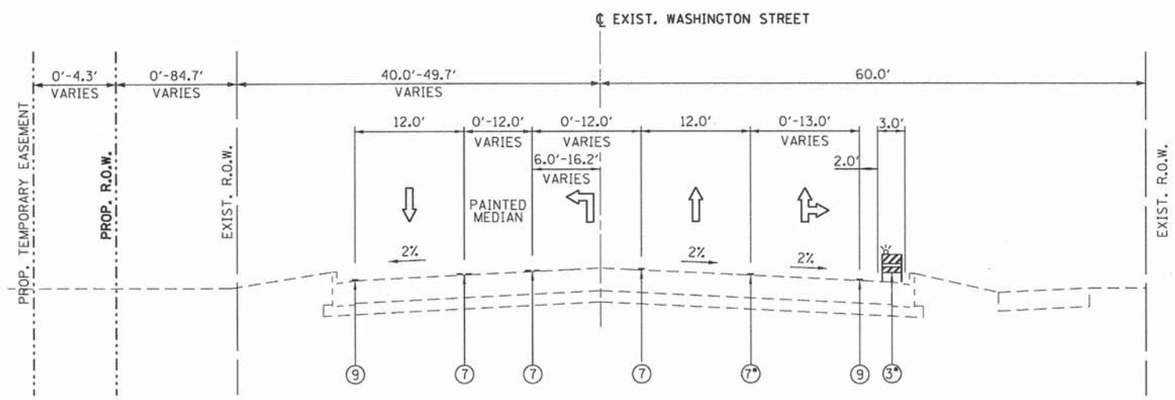
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR THERMOPLASTIC PAVEMENT MARKINGS AND TAPE INFORMATION.
2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.



TEMPORARY ROADWAY RUN-AROUND STAGE 2

WASHINGTON STREET STA. 101+78.49 TO STA. 125+60.14
ROADWAY RUN-AROUND STA. 10+00.00 TO STA 33+77.28

(7**) - FROM STA. 10+00.00 TO STA. 20+80.00
(7*) - FROM STA. 10+00.00 TO STA. 34+84.32
FROM STA. 33+24.58 TO STA. 33+77.28
(8*) - FROM STA. 32+84.32 TO STA. 33+24.58
(8**) - FROM STA. 32+35.04 TO STA. 33+25.97



WASHINGTON STREET STAGE 2

STA. 125+22.63 TO STA. 128+82.91

(3*) - FROM STA. 125+22.63 TO STA. 126+00.00
(7*) - FROM STA. 126+00.00 TO STA. 128+18.00

LEGEND:

1. TEMPORARY PAVEMENT, 8"
2. AGGREGATE BASE COURSE, TYPE A 4"
3. TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
4. VERTICAL PANELS WITH STEADY BURNING LIGHTS (50 FT C-C)
5. PAINT PAVEMENT MARKING
6. PAVEMENT MARKING TAPE, TY. III
7. THERMOPLASTIC PAVEMENT MARKING
8. POLYUREA PAVEMENT MARKING
9. EXISTING PAVEMENT MARKING
10. AGGREGATE SURFACE COURSE, TYPE A 6"

NOTES

1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR THERMOPLASTIC PAVEMENT MARKINGS AND TAPE INFORMATION.
2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.

SEQUENCE OF CONSTRUCTION

STAGE 1

BEGINNING CONDITION:
ROADWAY - RUNNING ON EXISTING WASHINGTON STREET
RAILROAD - RUNNING ON EXISTING ALIGNMENT
PEDESTRIAN ACCOMMODATIONS - UTILIZING EXISTING BIKEPATH ALONG WASHINGTON STREET
WCL ACCESS ROAD - UTILIZING EXISTING ACCESS FROM WASHINGTON STREET AT-GRADE CROSSING

CONSTRUCTION

(1) CONSTRUCT REMAINING LCPW SANITARY SEWER AND CONNECT IT TO THE EXISTING SYSTEM. ALL N-S SANITARY SEWER CROSSINGS UNDER WASHINGTON STREET WILL BE BORED AND JACKED SUCH THAT TRAFFIC WILL NOT BE IMPACTED.
(2) EXCAVATE PROPOSED WET BOTTOM BASIN.
(3) CONSTRUCT PUMP STATION.
(4) CONSTRUCT OUTLET PIPE FROM PUMP STATION TO WET BOTTOM BASIN AND CONSTRUCT TEMPORARY DRAINAGE FOR ROADWAY RUNAROUND.
(5) CONSTRUCT APPROXIMATELY 100 FEET OF RAILROAD SHOOFLY AT LOCATION OF RAILROAD SHOOFLY, THE ADJACENT TEMPORARY WCL ACCESS ROAD, AND ROADWAY RUNAROUND CROSSING (MAY CONSTRUCT UP TO ADDITIONAL ±1,260 FEET OF RAILROAD SHOOFLY ALONG WITH EMBANKMENT AT THIS TIME IF DESIRED).
(6) CONSTRUCT TEMPORARY CROSSINGS ON RAILROAD SHOOFLY TRACK SEGMENT AND EXISTING ACTIVE TRACK FOR ROADWAY RUNAROUND.
(7) CONSTRUCT WESTBOUND PROPOSED ROADWAY PAVEMENT FROM STA. 122+35.00 TO STA. 124+69.47.
(8) CONSTRUCT ROADWAY RUNAROUND.
(9) INSTALL SIGNALS FOR GRADE CROSSING AT EXISTING ACTIVE TRACK CROSSING OF ROADWAY RUNAROUND (WORK TO BE DONE BY WCL RAILROAD).
(10) SHIFT ROADWAY TRAFFIC FROM EXISTING WASHINGTON STREET TO ROADWAY RUNAROUND.
- ACTIVATE CROSSING SIGNALS FOR ROADWAY RUNAROUND CROSSING OF EXISTING ACTIVE TRACK (WORK TO BE DONE BY WCL RAILROAD).
- DEACTIVATE CROSSING SIGNALS FOR EXISTING WASHINGTON STREET CROSSING OF EXISTING ACTIVE TRACK (WORK TO BE DONE BY WCL RAILROAD).
(11) REMOVE SEGMENT OF LOWLANDS DRIVE LOCATED BETWEEN WASHINGTON STREET AND TEMPORARY ROADWAY RUNAROUND.

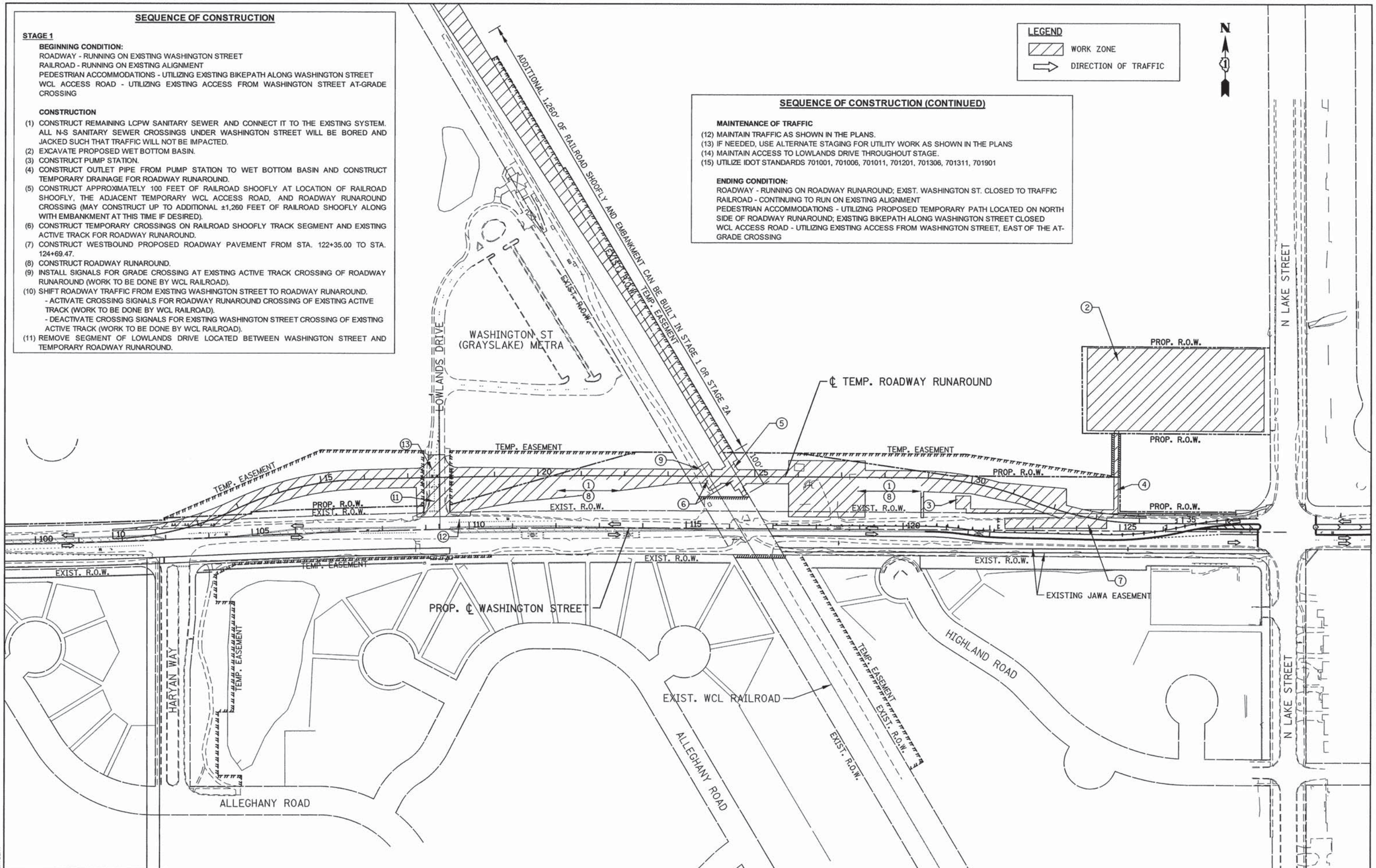
SEQUENCE OF CONSTRUCTION (CONTINUED)

MAINTENANCE OF TRAFFIC

(12) MAINTAIN TRAFFIC AS SHOWN IN THE PLANS.
(13) IF NEEDED, USE ALTERNATE STAGING FOR UTILITY WORK AS SHOWN IN THE PLANS
(14) MAINTAIN ACCESS TO LOWLANDS DRIVE THROUGHOUT STAGE.
(15) UTILIZE IDOT STANDARDS 701001, 701006, 701011, 701201, 701306, 701311, 701901

ENDING CONDITION:
ROADWAY - RUNNING ON ROADWAY RUNAROUND; EXIST. WASHINGTON ST. CLOSED TO TRAFFIC
RAILROAD - CONTINUING TO RUN ON EXISTING ALIGNMENT
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED TEMPORARY PATH LOCATED ON NORTH SIDE OF ROADWAY RUNAROUND; EXISTING BIKEPATH ALONG WASHINGTON STREET CLOSED
WCL ACCESS ROAD - UTILIZING EXISTING ACCESS FROM WASHINGTON STREET, EAST OF THE AT-GRADE CROSSING

LEGEND
WORK ZONE
DIRECTION OF TRAFFIC



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	PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -	
	PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -	
	PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED SEQUENCE OF CONSTRUCTION – STAGE 1

SCALE: 1"=100' | SHEET NO. MOT 5 OF 22 | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	52
				61A63

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

PENTABLE = $PENTBLA$
$FILE$

SEQUENCE OF CONSTRUCTION

STAGE 2 SUBSTAGE A

BEGINNING CONDITION:

ROADWAY - RUNNING ON ROADWAY RUNAROUND; EXIST. WASHINGTON ST. CLOSED TO TRAFFIC
RAILROAD - CONTINUING TO RUN ON EXISTING ALIGNMENT
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED TEMPORARY PATH LOCATED ON NORTH SIDE OF ROADWAY RUNAROUND; EXISTING BIKEPATH ALONG WASHINGTON STREET CLOSED
WCL ACCESS ROAD - UTILIZING EXISTING ACCESS FROM WASHINGTON STREET, EAST OF THE AT-GRADE CROSSING

CONSTRUCTION

(1) PERFORM COMPENSATORY STORAGE GRADING AT POND LOCATED AT SOUTHEAST CORNER OF EXISTING WASHINGTON STREET AND HARYAN WAY. RECONSTRUCT BIKEPATH ALONG HARYAN WAY.
(2) REMOVE CROSSING SIGNALS AT ORIGINAL WASHINGTON STREET CROSSING OF ORIGINAL RAILROAD ALIGNMENT. (WORK TO BE DONE BY WCL RAILROAD).
(3) BUILD EMBANKMENT FOR RAILROAD SHOOFLY AND ADJACENT TEMPORARY WCL ACCESS ROAD.
(4) BUILD ±1,260 FEET OF TRACK ON NORTH SIDE (IF NOT CONSTRUCTED IN STAGE 1) AND ±950 FEET OF TRACK ON SOUTH SIDE FOR RAILROAD SHOOFLY. SHOOFLY TRACK IS TO BE CONSTRUCTED TO THE 12.5' TRACK CENTER POINT TO LIMIT THE AMOUNT OF LINE OVER.
(5) BUILD 380 FEET OF TEMPORARY PASSENGER PLATFORM. (SEE SHEET RR 10 FOR DIVISION OF WORK).
(6) INSTALL SIGNALS AT GRADE CROSSING OF RAILROAD SHOOFLY AND ROADWAY RUNAROUND (WORK TO BE DONE BY WCL RAILROAD).
(7) CUT OVER RAILROAD FROM EXISTING ALIGNMENT TO RAILROAD SHOOFLY (DURING WEEKEND TRACK OUTAGE WINDOW). (WORK TO BE DONE BY WCL RAILROAD).
-LINE OVER TRACK AT EACH END OF SHOOFLY.
-ACTIVATE CROSSING SIGNALS FOR ROADWAY RUNAROUND CROSSING OF RAILROAD SHOOFLY.
-DEACTIVATE CROSSING SIGNALS FOR ROADWAY RUNAROUND CROSSING OF ORIGINAL RAILROAD ALIGNMENT.
(8) CONSTRUCT ACCESS RAMPS FROM EXISTING METRA PASSENGER PLATFORM TO TEMPORARY PASSENGER PLATFORM (DURING SAME WEEKEND AS TRACK CUTOVER SO PLATFORM IS READY FOR MONDAY MORNING COMMUTER OPERATIONS). (SEE SHEET RR 10 FOR DIVISION OF WORK).

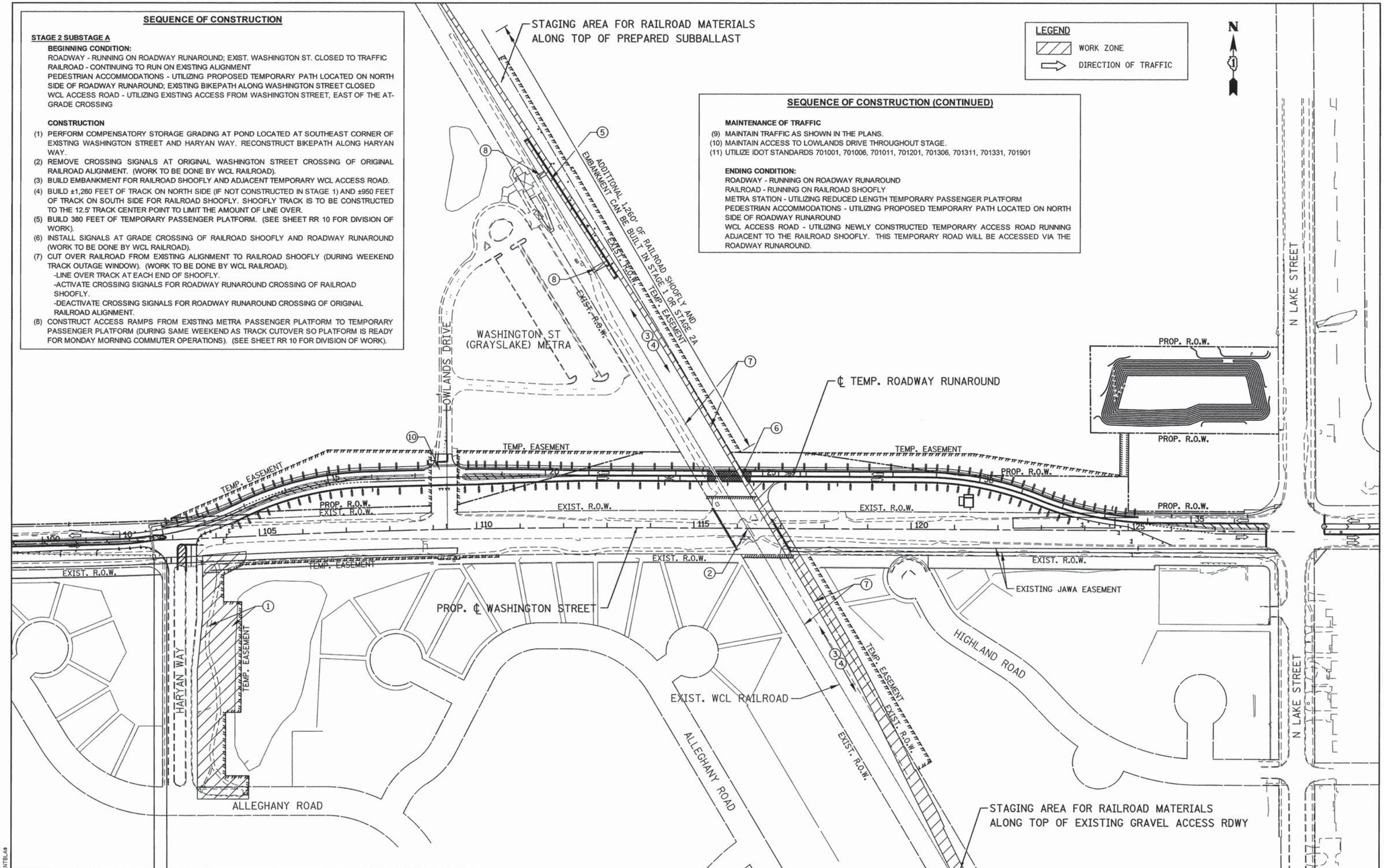
SEQUENCE OF CONSTRUCTION (CONTINUED)

MAINTENANCE OF TRAFFIC

(9) MAINTAIN TRAFFIC AS SHOWN IN THE PLANS.
(10) MAINTAIN ACCESS TO LOWLANDS DRIVE THROUGHOUT STAGE.
(11) UTILIZE IDOT STANDARDS 701001, 701006, 701011, 701201, 701306, 701311, 701331, 701901

ENDING CONDITION:

ROADWAY - RUNNING ON ROADWAY RUNAROUND
RAILROAD - RUNNING ON RAILROAD SHOOFLY
METRA STATION - UTILIZING REDUCED LENGTH TEMPORARY PASSENGER PLATFORM
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED TEMPORARY PATH LOCATED ON NORTH SIDE OF ROADWAY RUNAROUND
WCL ACCESS ROAD - UTILIZING NEWLY CONSTRUCTED TEMPORARY ACCESS ROAD RUNNING ADJACENT TO THE RAILROAD SHOOFLY. THIS TEMPORARY ROAD WILL BE ACCESSED VIA THE ROADWAY RUNAROUND.



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	PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -	
	PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -	
	PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED SEQUENCE OF CONSTRUCTION – STAGE 2A

SCALE: 1"=100' | SHEET NO. MOT 6 OF 22 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	53

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

61A63

PENTABLE = $PENTBLA$
$FILE$

SEQUENCE OF CONSTRUCTION

STAGE 2 SUBSTAGE B

BEGINNING CONDITION:
ROADWAY - RUNNING ON ROADWAY RUNAROUND
RAILROAD - RUNNING ON RAILROAD SHOOFLY
METRA STATION - UTILIZING REDUCED LENGTH TEMPORARY PASSENGER PLATFORM
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED TEMPORARY PATH LOCATED ON NORTH SIDE OF ROADWAY RUNAROUND
WCL ACCESS ROAD - UTILIZING TEMPORARY ACCESS ROAD RUNNING ADJACENT TO THE RAILROAD SHOOFLY. THIS TEMPORARY ROAD WILL BE ACCESSED VIA THE ROADWAY RUNAROUND.

CONSTRUCTION

(1) CONSTRUCT WEST HALF OF RAILROAD BRIDGE
- INSTALL BRACED EXCAVATION FOR CONSTRUCTION OF NORTH AND SOUTH ABUTMENTS.
- DRIVE FOUNDATION PILES FOR NORTH AND SOUTH ABUTMENTS.
- POUR CONCRETE FOOTINGS AND STEMS FOR NORTH AND SOUTH ABUTMENTS.
- ERECT STEEL THROUGH PLATE GIRDER SPAN APPROACH.

(2) CONSTRUCT 600 FEET OF RETAINING WALL ON SOUTH SIDE OF WASHINGTON STREET WEST SIDE OF NEW BRIDGE.
(3) EXCAVATE AND ROUGH GRADE FOR PROPOSED WASHINGTON STREET ON WEST SIDE OF NEW BRIDGE.
(4) RAISE ORIGINAL TRACK AND DISTRESS.
- RAISE ORIGINAL TRACK ON NORTH SIDE OF ROADWAY RUNAROUND (±900 FEET) TO FINAL GRADE.
- RAISE ORIGINAL TRACK ON SOUTH SIDE OF ROADWAY RUNAROUND (±800 FEET) TO FINAL GRADE.

(5) PLACE BALLAST AND CONSTRUCT TRACK ACROSS NEW BRIDGE.
(6) CLOSE ROADWAY RUNAROUND FOR ONE WEEKEND (FRIDAY AT 9 PM TO MONDAY AT 5 AM). DURING SHORT-TERM CLOSURE, RAISE TRACK AT GRADE CROSSING OF ROADWAY RUNAROUND WITH ORIGINAL TRACK ALIGNMENT 1.70 FEET AND REBUILD TEMPORARY GRADE CROSSING AND ROADWAY RUNAROUND APPROACHES.
(7) ADJUST ACCESS RAMPS TO TEMPORARY PLATFORMS AS REQUIRED. (SEE SHEET RR 10 FOR DIVISION OF WORK).
(8) CUT OVER RAILROAD FROM RAILROAD SHOOFLY TO FINAL TRACK ALIGNMENT DURING WEEKEND TRACK OUTAGE WINDOW.
- LINE OVER TRACK AT EACH END OF SHOOFLY, RAISE, DISTRESS, AND TAMP AS REQUIRED. (WORK TO BE DONE BY WCL RAILROAD).
- ACTIVATE CROSSING SIGNALS FOR ROADWAY RUNAROUND CROSSING OF FINAL TRACK ALIGNMENT. (WORK TO BE DONE BY WCL RAILROAD).
- DEACTIVATE AND REMOVE CROSSING SIGNALS FOR ROADWAY RUNAROUND CROSSING OF RAILROAD SHOOFLY. (WORK TO BE DONE BY WCL RAILROAD).
- REMOVE ACCESS RAMPS. (SEE SHEET RR 5 FOR DIVISION OF WORK).

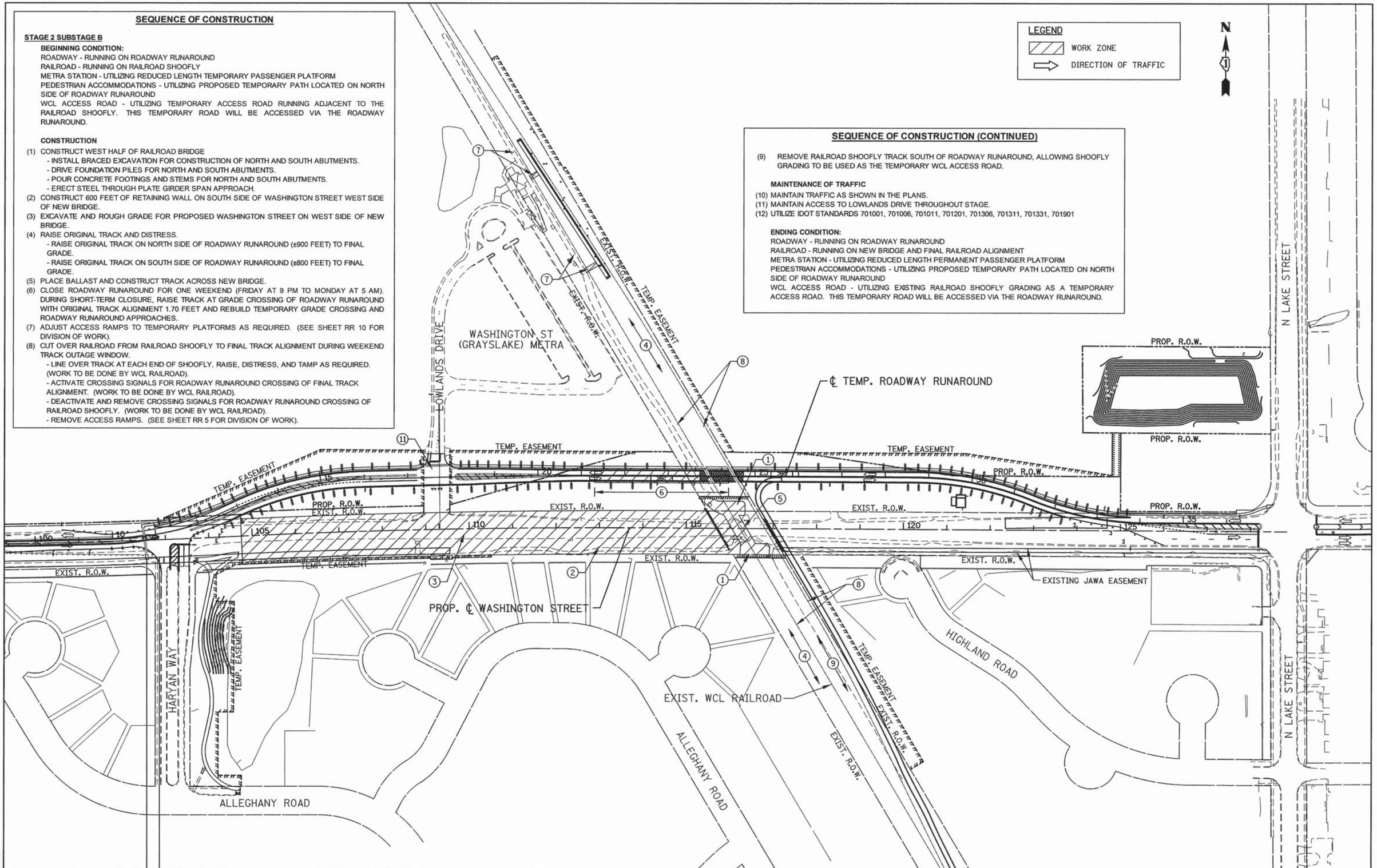
SEQUENCE OF CONSTRUCTION (CONTINUED)

(9) REMOVE RAILROAD SHOOFLY TRACK SOUTH OF ROADWAY RUNAROUND, ALLOWING SHOOFLY GRADING TO BE USED AS THE TEMPORARY WCL ACCESS ROAD.

MAINTENANCE OF TRAFFIC

(10) MAINTAIN TRAFFIC AS SHOWN IN THE PLANS.
(11) MAINTAIN ACCESS TO LOWLANDS DRIVE THROUGHOUT STAGE.
(12) UTILIZE IDOT STANDARDS 701001, 701006, 701011, 701201, 701306, 701311, 701331, 701901

ENDING CONDITION:
ROADWAY - RUNNING ON ROADWAY RUNAROUND
RAILROAD - RUNNING ON NEW BRIDGE AND FINAL RAILROAD ALIGNMENT
METRA STATION - UTILIZING REDUCED LENGTH PERMANENT PASSENGER PLATFORM
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED TEMPORARY PATH LOCATED ON NORTH SIDE OF ROADWAY RUNAROUND
WCL ACCESS ROAD - UTILIZING EXISTING RAILROAD SHOOFLY GRADING AS A TEMPORARY ACCESS ROAD. THIS TEMPORARY ROAD WILL BE ACCESSED VIA THE ROADWAY RUNAROUND.



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	PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -		
	PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -		
	PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -		SCALE: 1"=100' · SHEET NO. MOT 7 OF 22 · STA. · TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	54
				61A63
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PENTABLE = $PENTBLA$
$FILE$

SEQUENCE OF CONSTRUCTION

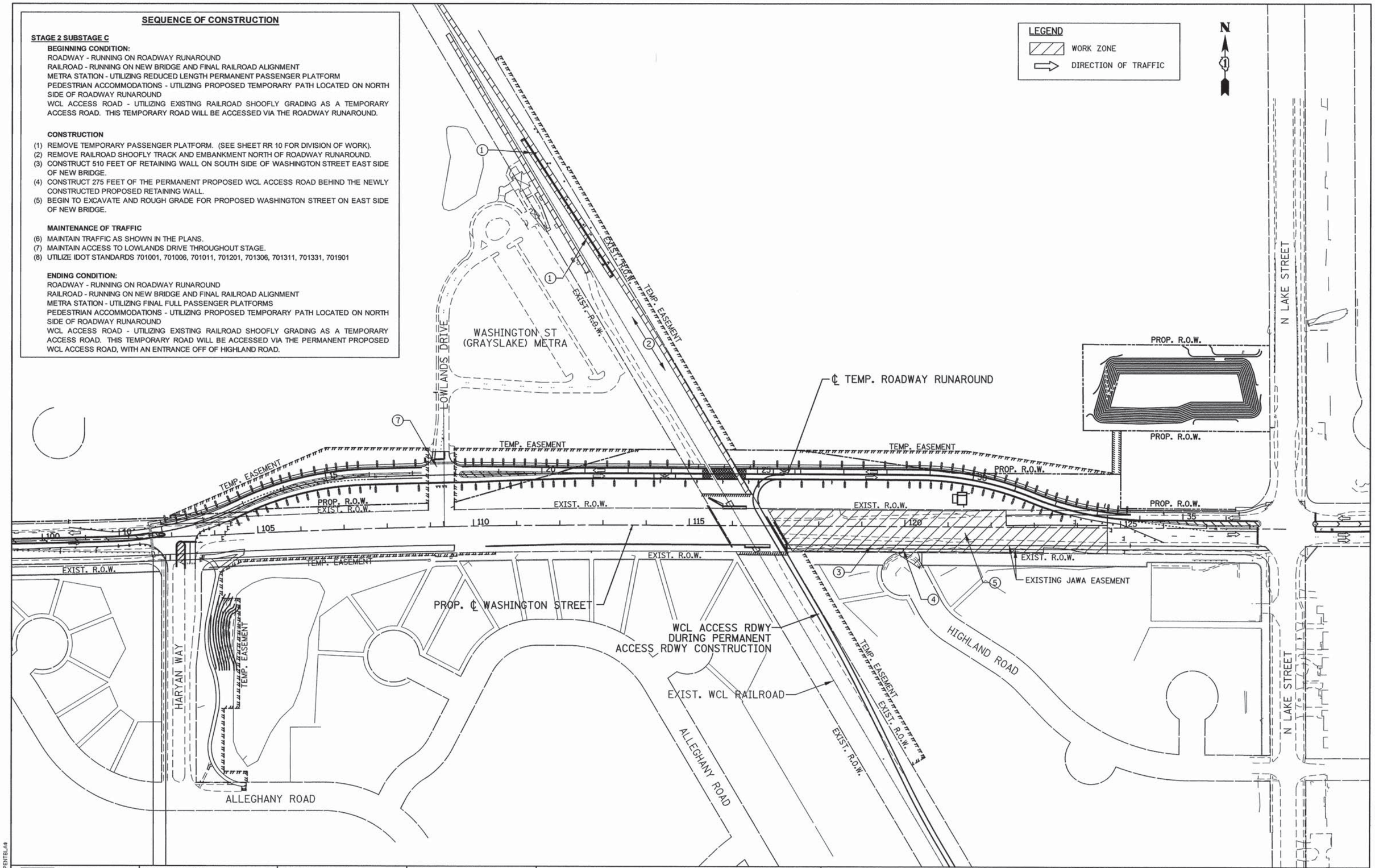
STAGE 2 SUBSTAGE C

BEGINNING CONDITION:
ROADWAY - RUNNING ON ROADWAY RUNAROUND
RAILROAD - RUNNING ON NEW BRIDGE AND FINAL RAILROAD ALIGNMENT
METRA STATION - UTILIZING REDUCED LENGTH PERMANENT PASSENGER PLATFORM
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED TEMPORARY PATH LOCATED ON NORTH SIDE OF ROADWAY RUNAROUND
WCL ACCESS ROAD - UTILIZING EXISTING RAILROAD SHOOFLY GRADING AS A TEMPORARY ACCESS ROAD. THIS TEMPORARY ROAD WILL BE ACCESSED VIA THE ROADWAY RUNAROUND.

CONSTRUCTION
(1) REMOVE TEMPORARY PASSENGER PLATFORM. (SEE SHEET RR 10 FOR DIVISION OF WORK).
(2) REMOVE RAILROAD SHOOFLY TRACK AND EMBANKMENT NORTH OF ROADWAY RUNAROUND.
(3) CONSTRUCT 510 FEET OF RETAINING WALL ON SOUTH SIDE OF WASHINGTON STREET EAST SIDE OF NEW BRIDGE.
(4) CONSTRUCT 275 FEET OF THE PERMANENT PROPOSED WCL ACCESS ROAD BEHIND THE NEWLY CONSTRUCTED PROPOSED RETAINING WALL.
(5) BEGIN TO EXCAVATE AND ROUGH GRADE FOR PROPOSED WASHINGTON STREET ON EAST SIDE OF NEW BRIDGE.

MAINTENANCE OF TRAFFIC
(6) MAINTAIN TRAFFIC AS SHOWN IN THE PLANS.
(7) MAINTAIN ACCESS TO LOWLANDS DRIVE THROUGHOUT STAGE.
(8) UTILIZE IDOT STANDARDS 701001, 701006, 701011, 701201, 701306, 701311, 701331, 701901

ENDING CONDITION:
ROADWAY - RUNNING ON ROADWAY RUNAROUND
RAILROAD - RUNNING ON NEW BRIDGE AND FINAL RAILROAD ALIGNMENT
METRA STATION - UTILIZING FINAL FULL PASSENGER PLATFORMS
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED TEMPORARY PATH LOCATED ON NORTH SIDE OF ROADWAY RUNAROUND
WCL ACCESS ROAD - UTILIZING EXISTING RAILROAD SHOOFLY GRADING AS A TEMPORARY ACCESS ROAD. THIS TEMPORARY ROAD WILL BE ACCESSED VIA THE PERMANENT PROPOSED WCL ACCESS ROAD, WITH AN ENTRANCE OFF OF HIGHLAND ROAD.



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	PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -		
	PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -		
	PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -		SCALE: 1"=100' SHEET NO. MOT 8 OF 22 STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	55
				61A63
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PENTABLE = $PENTBLA$
$FILE$

SEQUENCE OF CONSTRUCTION

STAGE 2 SUBSTAGE D

BEGINNING CONDITION:

ROADWAY - RUNNING ON ROADWAY RUNAROUND
RAILROAD - RUNNING ON NEW BRIDGE AND FINAL RAILROAD ALIGNMENT
METRA STATION - UTILIZING REDUCED LENGTH PERMANENT PASSENGER PLATFORM
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED TEMPORARY PATH LOCATED ON NORTH SIDE OF ROADWAY RUNAROUND
WCL ACCESS ROAD - UTILIZING EXISTING RAILROAD SHOOFLY GRADING AS A TEMPORARY ACCESS ROAD. THIS TEMPORARY ROAD WILL BE ACCESSED VIA THE PERMANENT PROPOSED WCL ACCESS ROAD, WITH AN ENTRANCE OFF OF HIGHLAND ROAD.

CONSTRUCTION

(1) CONSTRUCT EAST HALF OF RAILROAD BRIDGE AND REMAINING 30 FEET OF RETAINING WALL.
- INSTALL TEMPORARY SOIL RETENTION SYSTEM FOR CONSTRUCTION OF NORTH AND SOUTH ABUTMENTS AND REMAINING RETAINING WALL.
- DRIVE FOUNDATION PILES FOR NORTH AND SOUTH ABUTMENTS AND REMAINING RETAINING WALL.
- POUR CONCRETE FOOTINGS AND STEMS FOR NORTH AND SOUTH ABUTMENTS AND REMAINING RETAINING WALL.
- ERECT STEEL THROUGH PLATE GIRDER SPAN APPROACH FOR RAILROAD BRIDGE.

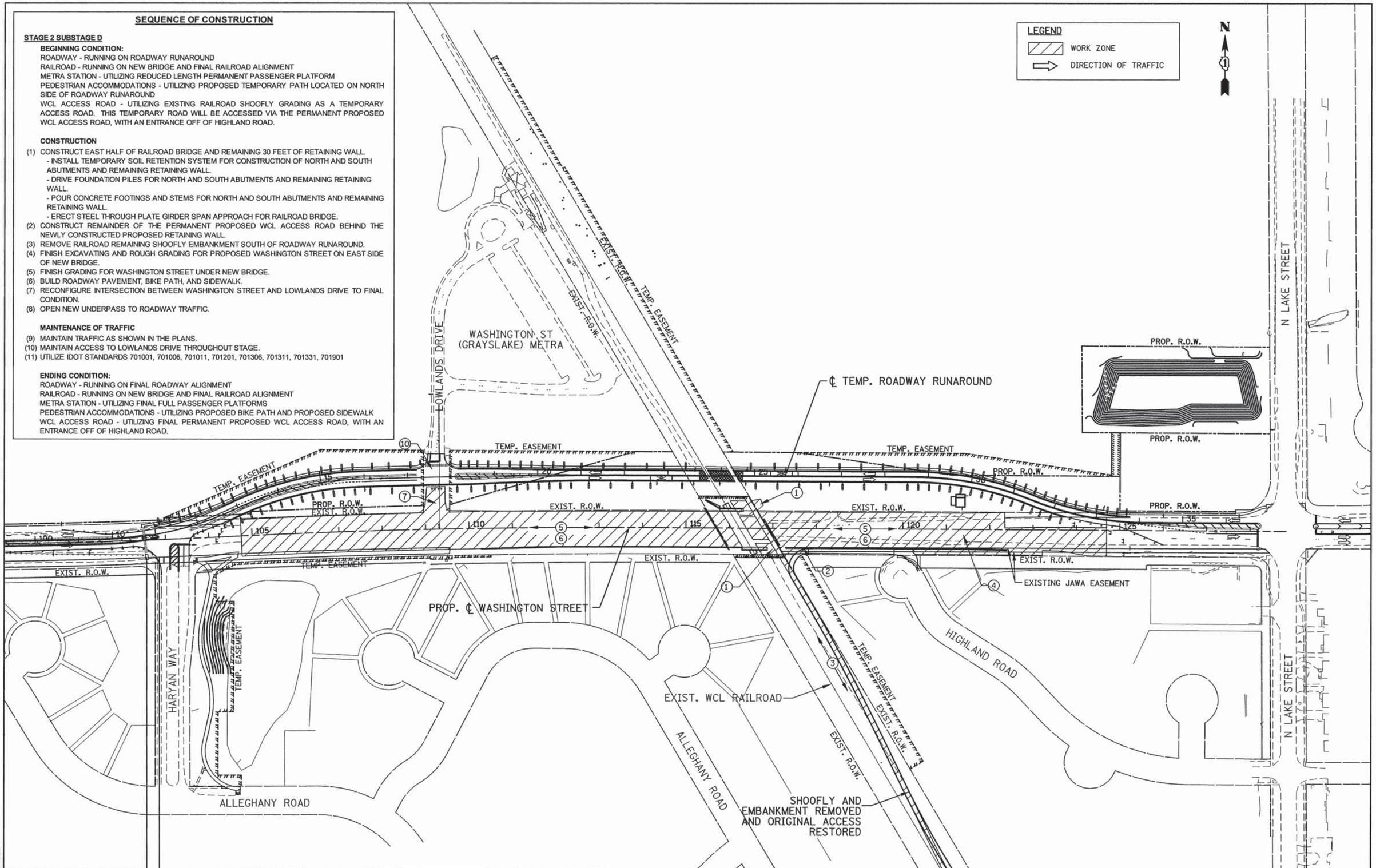
(2) CONSTRUCT REMAINDER OF THE PERMANENT PROPOSED WCL ACCESS ROAD BEHIND THE NEWLY CONSTRUCTED PROPOSED RETAINING WALL.
(3) REMOVE RAILROAD REMAINING SHOOFLY EMBANKMENT SOUTH OF ROADWAY RUNAROUND.
(4) FINISH EXCAVATING AND ROUGH GRADING FOR PROPOSED WASHINGTON STREET ON EAST SIDE OF NEW BRIDGE.
(5) FINISH GRADING FOR WASHINGTON STREET UNDER NEW BRIDGE.
(6) BUILD ROADWAY PAVEMENT, BIKE PATH, AND SIDEWALK.
(7) RECONFIGURE INTERSECTION BETWEEN WASHINGTON STREET AND LOWLANDS DRIVE TO FINAL CONDITION.
(8) OPEN NEW UNDERPASS TO ROADWAY TRAFFIC.

MAINTENANCE OF TRAFFIC

(9) MAINTAIN TRAFFIC AS SHOWN IN THE PLANS.
(10) MAINTAIN ACCESS TO LOWLANDS DRIVE THROUGHOUT STAGE.
(11) UTILIZE IDOT STANDARDS 701001, 701006, 701011, 701201, 701306, 701311, 701331, 701901

ENDING CONDITION:

ROADWAY - RUNNING ON FINAL ROADWAY ALIGNMENT
RAILROAD - RUNNING ON NEW BRIDGE AND FINAL RAILROAD ALIGNMENT
METRA STATION - UTILIZING FINAL FULL PASSENGER PLATFORMS
PEDESTRIAN ACCOMMODATIONS - UTILIZING PROPOSED BIKE PATH AND PROPOSED SIDEWALK
WCL ACCESS ROAD - UTILIZING FINAL PERMANENT PROPOSED WCL ACCESS ROAD, WITH AN ENTRANCE OFF OF HIGHLAND ROAD.



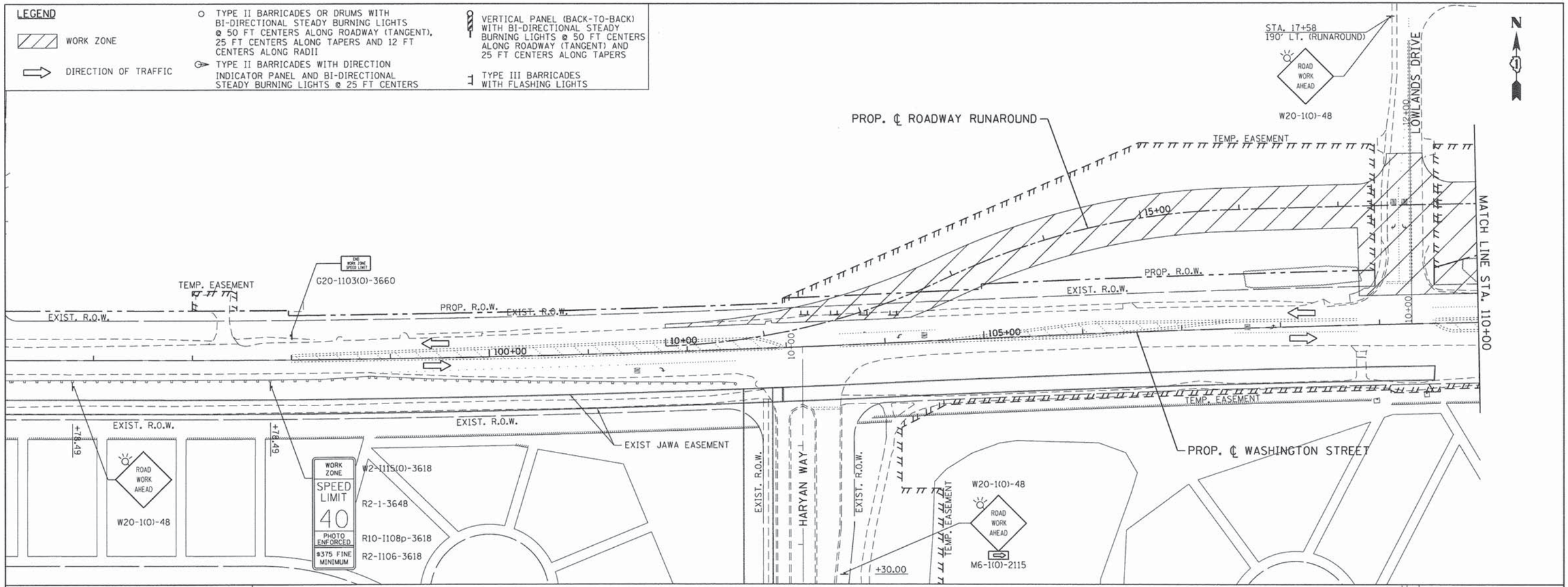
PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = $USER$	DESIGNED - MJV	REVISED - 10/7/2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET SUGGESTED SEQUENCE OF CONSTRUCTION - STAGE 2D
	PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -		
	PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -		
	PLOT DATE = $DATE$ $TIME$	DATE - 10/7/2014	REVISED -		SCALE: 1"=100' · SHEET NO. MOT 8A OF 22 · STA. · TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	55A
				61A63
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PENTABLE = $PENTBLA$
$FILE$

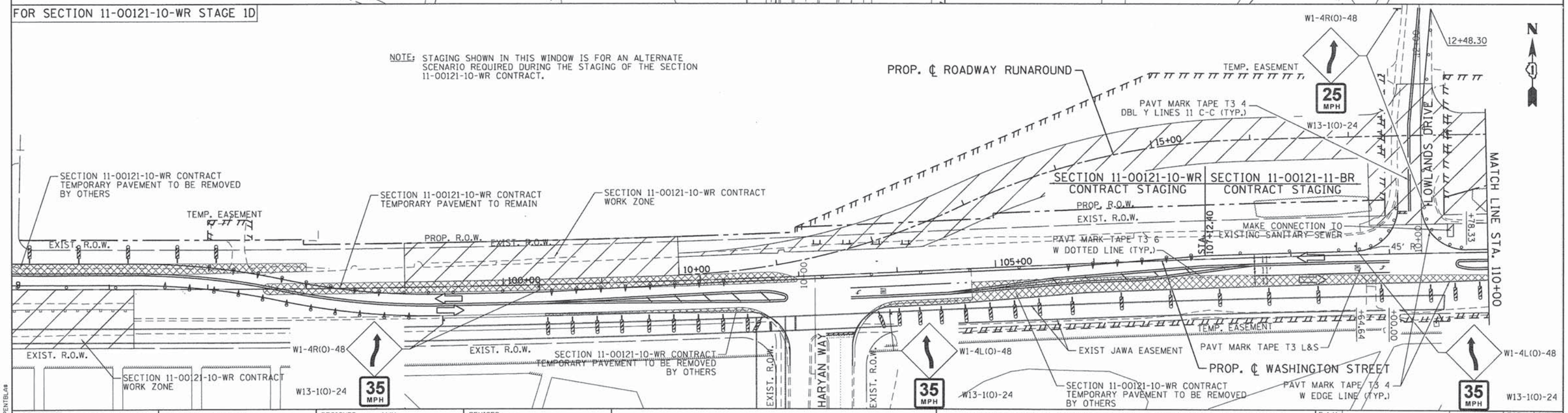
LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT), 25 FT CENTERS ALONG TAPERS AND 12 FT CENTERS ALONG RADII
- TYPE II BARRICADES WITH DIRECTION INDICATOR PANEL AND BI-DIRECTIONAL STEADY BURNING LIGHTS @ 25 FT CENTERS
- VERTICAL PANEL (BACK-TO-BACK) WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT) AND 25 FT CENTERS ALONG TAPERS
- TYPE III BARRICADES WITH FLASHING LIGHTS



FOR SECTION 11-00121-10-WR STAGE 1D

NOTE: STAGING SHOWN IN THIS WINDOW IS FOR AN ALTERNATE SCENARIO REQUIRED DURING THE STAGING OF THE SECTION 11-00121-10-WR CONTRACT.



PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoeppen	DESIGNED - MJV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -	
	PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -	
	PLOT DATE = 7/7/2014 11:16:22 AM	DATE - 6/30/2014	REVISED -	

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL STAGE 1

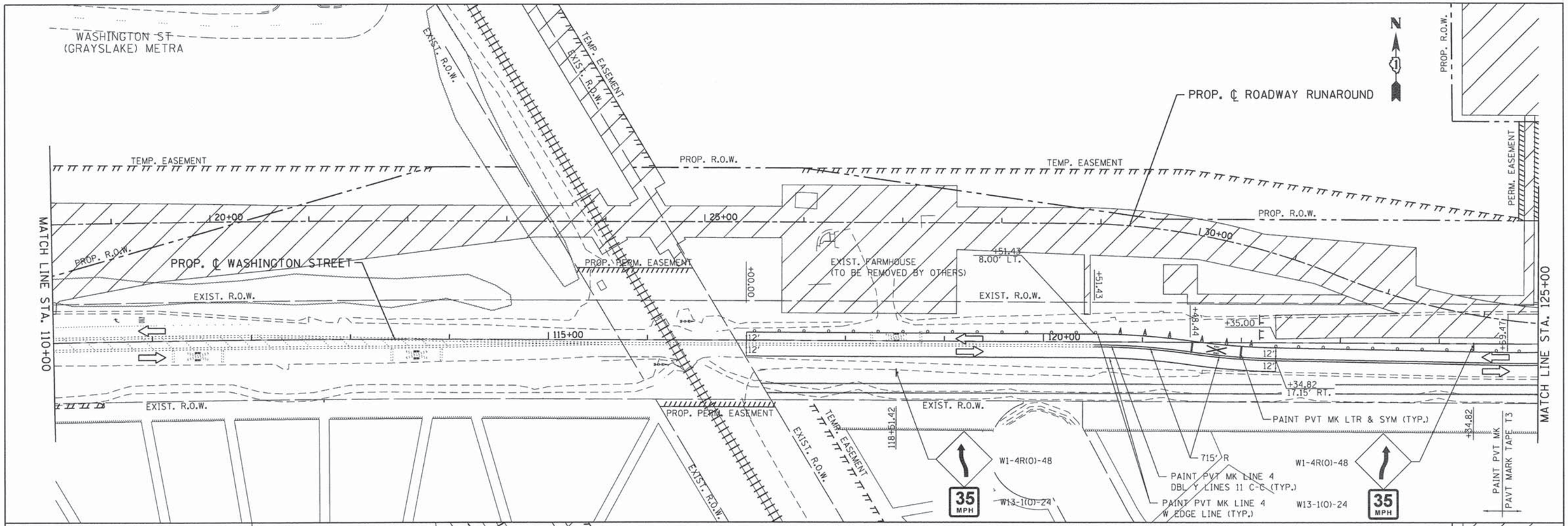
SCALE: 1"=50' | SHEET NO. MOT 9 OF 22 | STA. BOP TO STA. 110+00

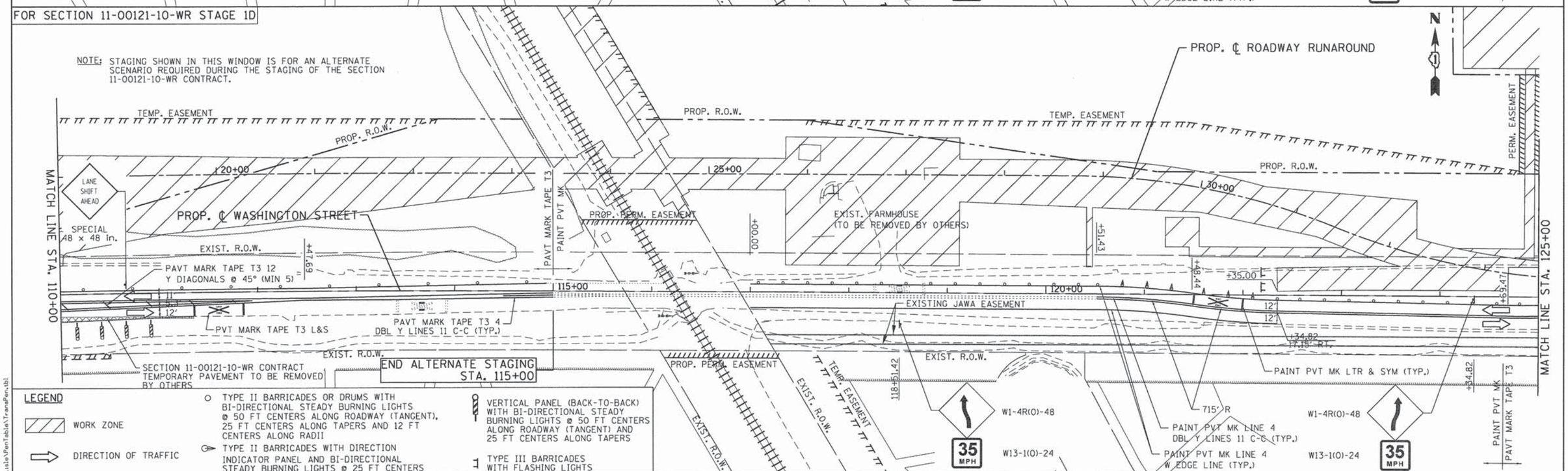
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	56
				61A63

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

PENTABLE = $PENTBLA$
$FILE$

FOR SECTION 11-00121-10-WR STAGE 1D





LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT), 25 FT CENTERS ALONG TAPERS AND 12 FT CENTERS ALONG RADII
- TYPE II BARRICADES WITH DIRECTION INDICATOR PANEL AND BI-DIRECTIONAL STEADY BURNING LIGHTS @ 25 FT CENTERS
- VERTICAL PANEL (BACK-TO-BACK) WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT) AND 25 FT CENTERS ALONG TAPERS
- TYPE III BARRICADES WITH FLASHING LIGHTS

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4970 VARSITY DRIVE
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USER NAME = tkoeppen(Rdwy.Lisle)	DESIGNED - MJV	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL STAGE 1

SCALE: 1"=50' | SHEET NO. MOT 10 OF 22 | STA. 110+00 TO STA. 125+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	57

61A63

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

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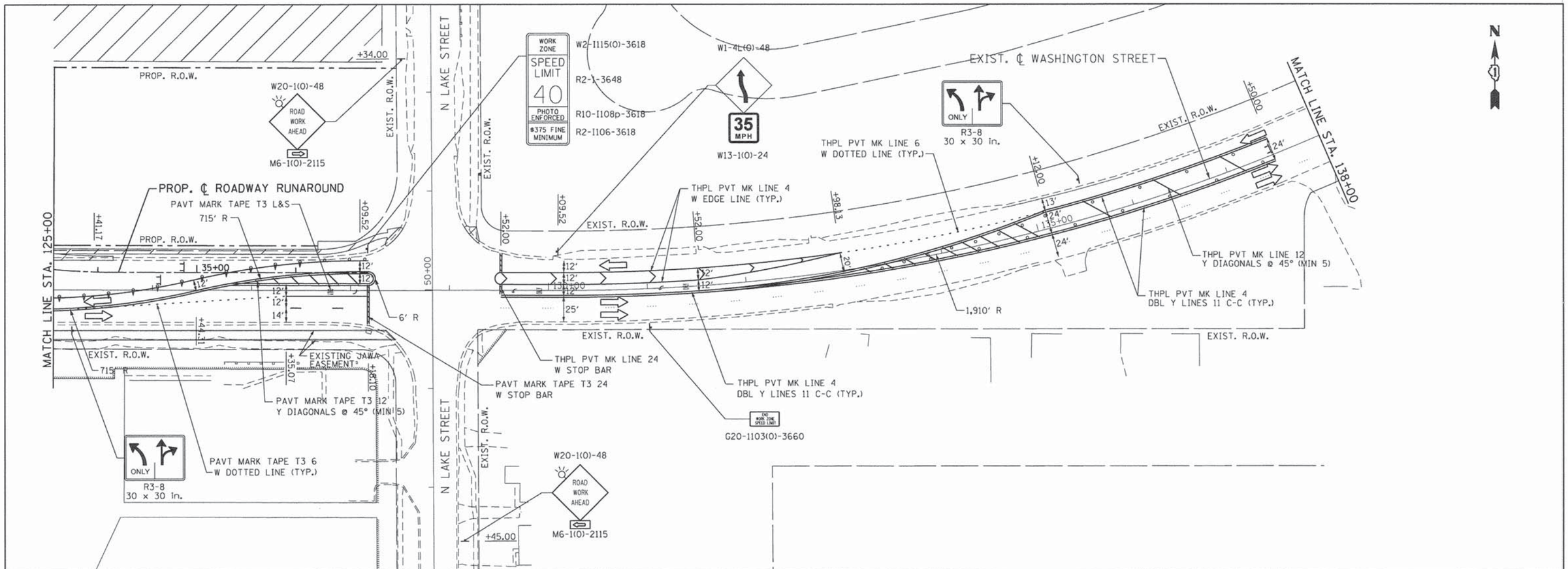

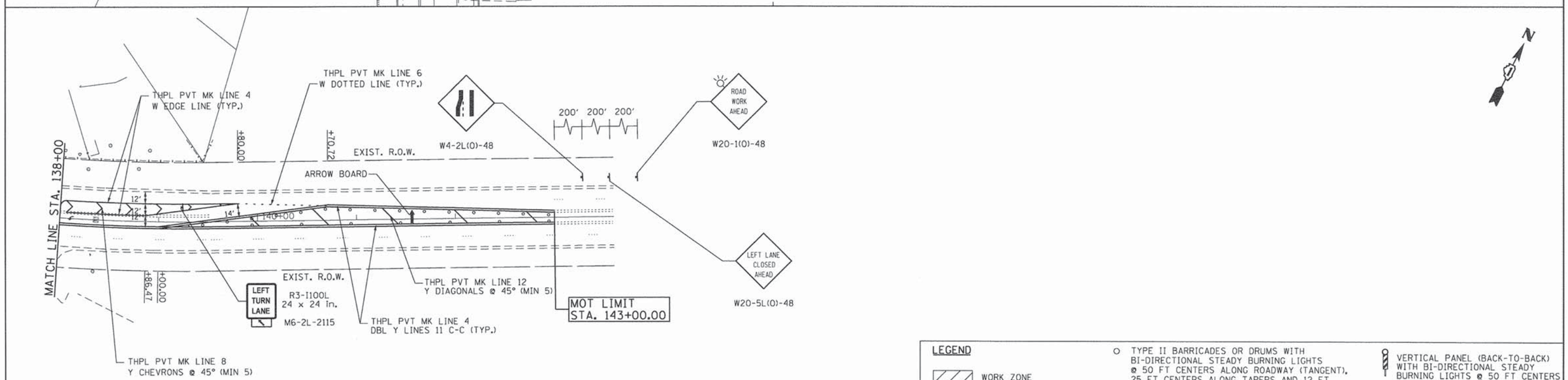

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT), 25 FT CENTERS ALONG TAPERS AND 12 FT CENTERS ALONG RADII
- TYPE II BARRICADES WITH DIRECTION INDICATOR PANEL AND BI-DIRECTIONAL STEADY BURNING LIGHTS @ 25 FT CENTERS
- VERTICAL PANEL (BACK-TO-BACK) WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT) AND 25 FT CENTERS ALONG TAPERS
- TYPE III BARRICADES WITH FLASHING LIGHTS

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patrickengineering.com

USER NAME = tkoeppen	DESIGNED - MJV	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL STAGE 1

SCALE: 1"=50' | SHEET NO. MOT 11 OF 22 | STA. 125+00 TO STA. EOP

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	58
				61A63

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

PENTABLE = $PENTBLA$
$FILE$

FOR SECTION 11-00121-10-WR STAGE 1D

FOR SECTION 11-00121-10-WR STAGE 2

SECTION 11-00121-10-WR CONTRACT STAGING | SECTION 11-00121-11-BR CONTRACT STAGING

W1-4R(O)-48

35 MPH

W13-1(O)-24

LANE SHIFT AHEAD

SPECIAL 48 x 48 in.

SECTION 11-00121-10-WR CONTRACT TEMPORARY PAVEMENT

PROP. R.O.W.

EXIST. R.O.W.

EXISTING JAWA EASEMENT

STA. 97+22

SECTION 11-00121-10-WR CONTRACT WORK ZONE

W1-4L(O)-48

AGG SURF CSE, TY A 6 (40200500)

PAVT MARK TAPE T3 12 X DIAGONALS (MIN. 5)

W11-2(O) 30 x 30 in.

WALK YOUR BIKE

SPECIAL 12 x 18 in.

KEEP RIGHT

R4-7B 24 x 30 in.

TEMPORARY CROSSWALK

PAVT MARK TAPE T3 4 DBL Y LINES 11 C-C (TYP.)

SIDEWALK CLOSED

R11-I101-2418

PROP. ℄ ROADWAY RUNAROUND

ONLY | ONLY

R 3-8B

PAVT MARK TAPE T3 4 W EDGE LINE (TYP.)

MATCH LINE STA. 14+25.22 (SEE MOT 13 OF 22)

TEMP. EASEMENT

132' TAPER

115' STORAGE

PAVT MARK TAPE T3 6 W DOTTED LINE (TYP.)

PAVT MARK TAPE T3 L&S

W1-6L(O)-6030 (ABOVE BARRICADE)

STOP

R1-1-30

ROAD WORK AHEAD

W20-1(O)-48

HARYAN WAY

LOWLANDS DRIVE

PROP. ℄ WASHINGTON STREET

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT), 25 FT CENTERS ALONG TAPERS AND 12 FT CENTERS ALONG RADII

TYPE II BARRICADES WITH DIRECTION INDICATOR PANEL AND BI-DIRECTIONAL STEADY BURNING LIGHTS @ 25 FT CENTERS

VERTICAL PANEL (BACK-TO-BACK) WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT) AND 25 FT CENTERS ALONG TAPERS

TYPE III BARRICADES WITH FLASHING LIGHTS

NOTE:
STAGING SHOWN ON THIS SHEET IS FOR ALTERNATE SCENARIOS REQUIRED DURING THE STAGING OF THE SECTION 11-00121-10-WR CONTRACT. SEE MOT 13 OF 22 FOR STAGING AS IT RELATES TO THE PERMANENT WASHINGTON STREET GEOMTETRY.

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patrickengineering.com

USER NAME = tkoeppen	DESIGNED - MJV	REVISED -
PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -
PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -
PLOT DATE = 7/7/2014 11:18:01 AM	DATE - 6/30/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL STAGE 2
(ALTERNATE STAGING)

SCALE: 1"=50' | SHEET NO. MOT 12 OF 22 | STA. BOP TO STA. 110+00

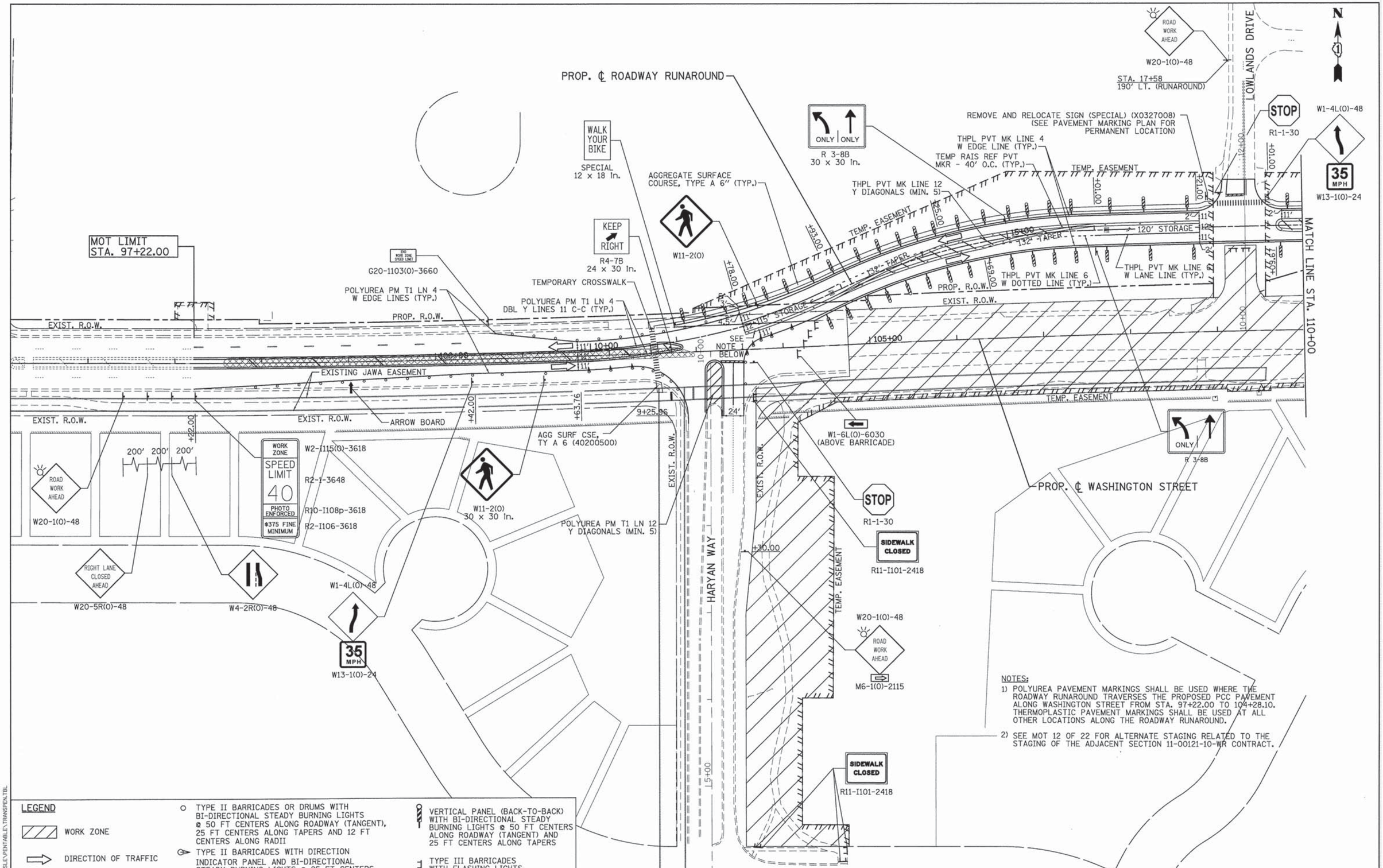
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	59

61A63

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

PENTABLE = $PENTBLA$

$FILE$



NOTES:

1) POLYUREA PAVEMENT MARKINGS SHALL BE USED WHERE THE ROADWAY RUNAROUND TRAVERSES THE PROPOSED PCC PAVEMENT ALONG WASHINGTON STREET FROM STA. 97+22.00 TO 104+28.10. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED AT ALL OTHER LOCATIONS ALONG THE ROADWAY RUNAROUND.

2) SEE MOT 12 OF 22 FOR ALTERNATE STAGING RELATED TO THE STAGING OF THE ADJACENT SECTION 11-00121-10-WR CONTRACT.

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USER NAME = mvasak(Rdwy_Lisle)	DESIGNED - MJV	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL STAGE 2

SCALE: 1"=50' | SHEET NO. MOT 13 OF 22 | STA. BOP TO STA. 110+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	60
				61A63

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

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WASHINGTON ST
(GRAYSLAKE) METRA

SEE SHEET MOT-21 FOR FURTHER INFORMATION REGARDING ROADWAY RUN-AROUND RECONSTRUCTION IN CONSTRUCTION STAGE 2B FROM STA. 21+30.46 TO STA. 24+39.09

W1-4R(O)-48

35 MPH

W13-1(O)-24

N

PROP. R.O.W.

PROP. ¢ ROADWAY RUN-AROUND

AGGREGATE SURFACE COURSE, TYPE A 6" (TYP.)

TEMP RAIS REF PVT MKR - 40' O.C. (TYP.)

WALK YOUR BIKE

SPECIAL

PERM. EASEMENT

TEMP. EASEMENT 12 x 18 In.

SEE NOTE BELOW

PUMP STATION

MATCH LINE STA. 110+00

MATCH LINE STA. 125+00

20+80.00

21+30.46

24+39.09

28+72.12

31+43.91

+72.12

+69.47

20+00

25+00

30+00

115+00

120+00

TEMP. EASEMENT

THPL PVT MK LINE 12
Y DIAGONALS (MIN 5)

THPL PVT MK LINE 4
DBL Y LINES 11 C-C (TYP.)

PROP. ¢ WASHINGTON STREET

EXIST. R.O.W.

TEMP. EASEMENT

(ON SIGNAL)
R15-1
R8-8

(ON SIGNAL)
R15-1
R15-2P
R8-8

W10-1
W10-15P

R8-8

PROP. PERM. EASEMENT

THPL PVT MK LINE 24 (TYP.)

THPL PVT MK LINE 4
W EDGE LINE (TYP.)

THPL PVT MK LTR & SYM (TYP.)

EXISTING JAWA EASEMENT

TEMPORARY CONCRETE BARRIER

W1-6R(O)-6030
(ABOVE BARRICADE)

RECONSTRUCTION
RESURFACING

NOTE:
POLYUREA PAVEMENT MARKINGS SHALL BE USED WHERE THE ROADWAY RUNAROUND TRAVERSES THE PROPOSED PCC PAVEMENT ALONG WASHINGTON STREET FROM STA. 123+71.00 TO 124+69.47. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED AT ALL OTHER LOCATIONS ALONG THE ROADWAY RUNAROUND.

SIGN LEGEND

W10-1	R15-1	R8-8	R15-2P	W10-15P
36 In. DIA.	48 x 9 In.	24 x 30 In.		24 x 18 In.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT), 25 FT CENTERS ALONG TAPERS AND 12 FT CENTERS ALONG RADII
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- VERTICAL PANEL (BACK-TO-BACK) WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT) AND 25 FT CENTERS ALONG TAPERS
- TYPE III BARRICADES WITH FLASHING LIGHTS

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4970 VARSITY DRIVE
LISLE, IL 60532
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USER NAME = mvasek(Rdwy_Lisle)	DESIGNED - MJV	REVISED - 10/7/2014	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL STAGE 2

SCALE: 1"=50' | SHEET NO. MOT 14 OF 22 | STA. 110+00 TO STA. 125+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	61
				61A63

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

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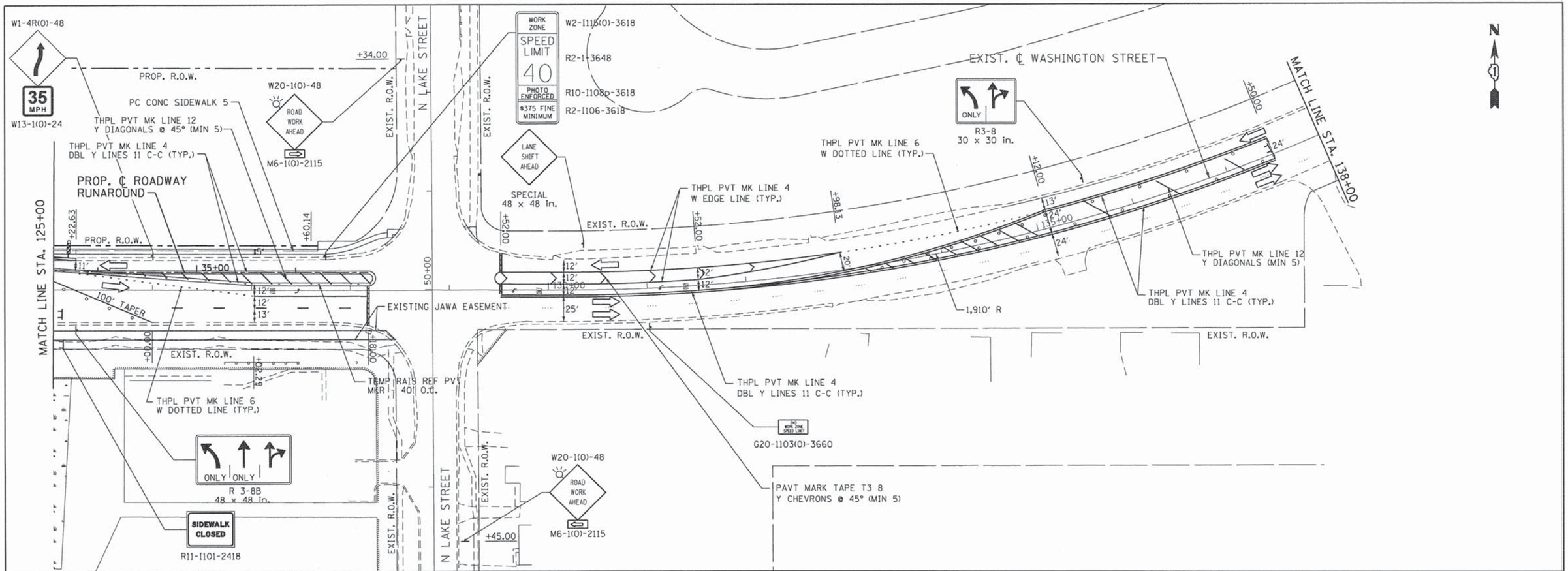

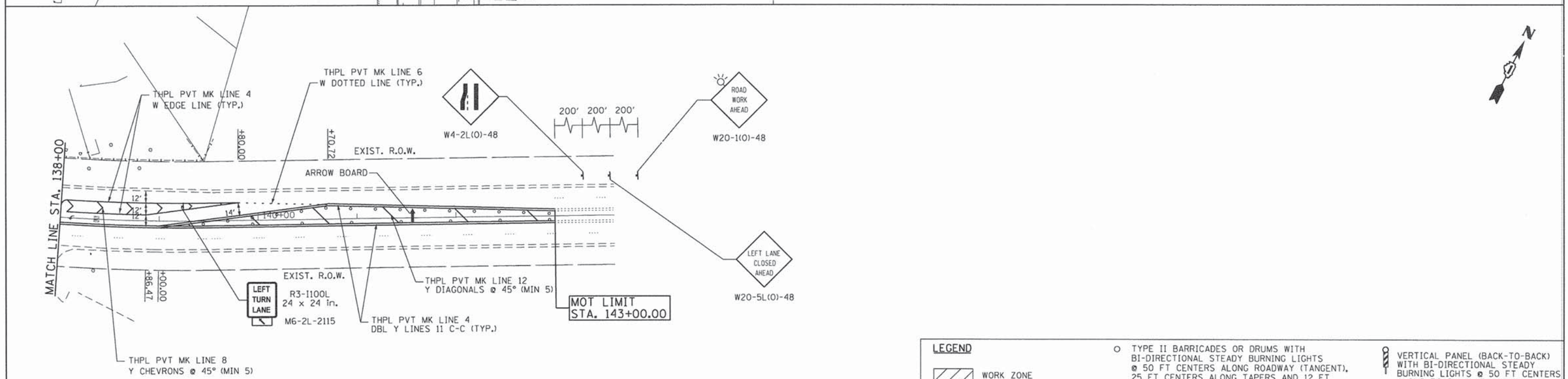

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENT), 25 FT CENTERS ALONG TAPERS AND 12 FT CENTERS ALONG RADII
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- TYPE III BARRICADES WITH FLASHING LIGHTS

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LISLE, IL 60532
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USER NAME = tkoeppen	DESIGNED - MJV	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL STAGE 2

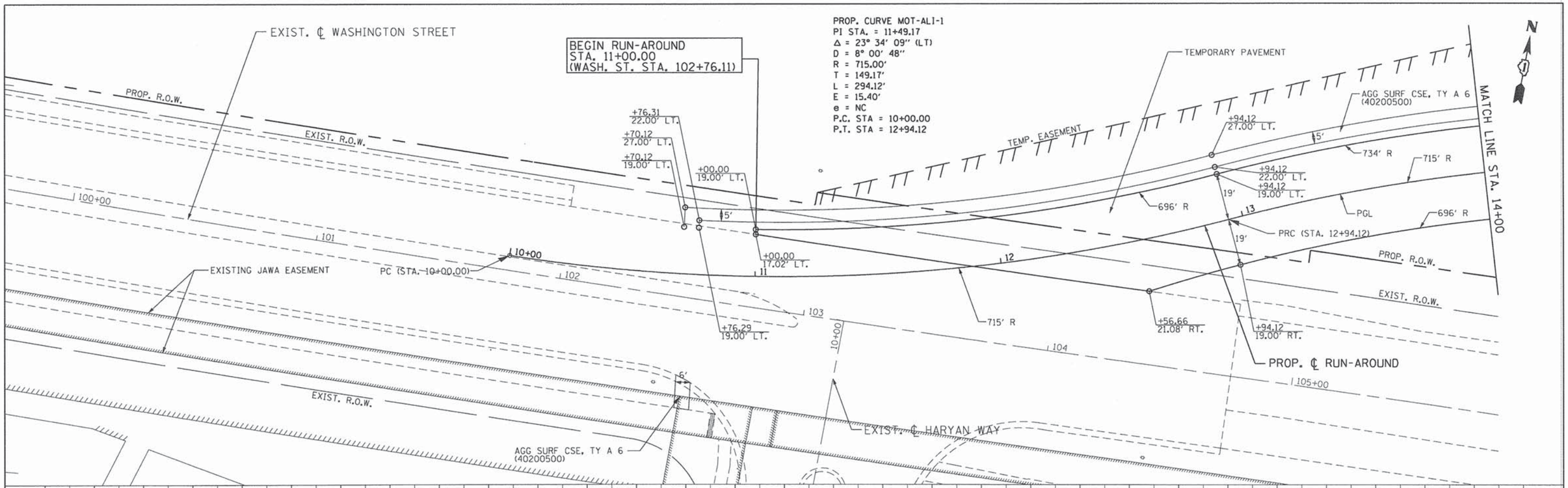
SCALE: 1"=50' | SHEET NO. MOT 15 OF 22 | STA. 125+00 TO STA. EOP

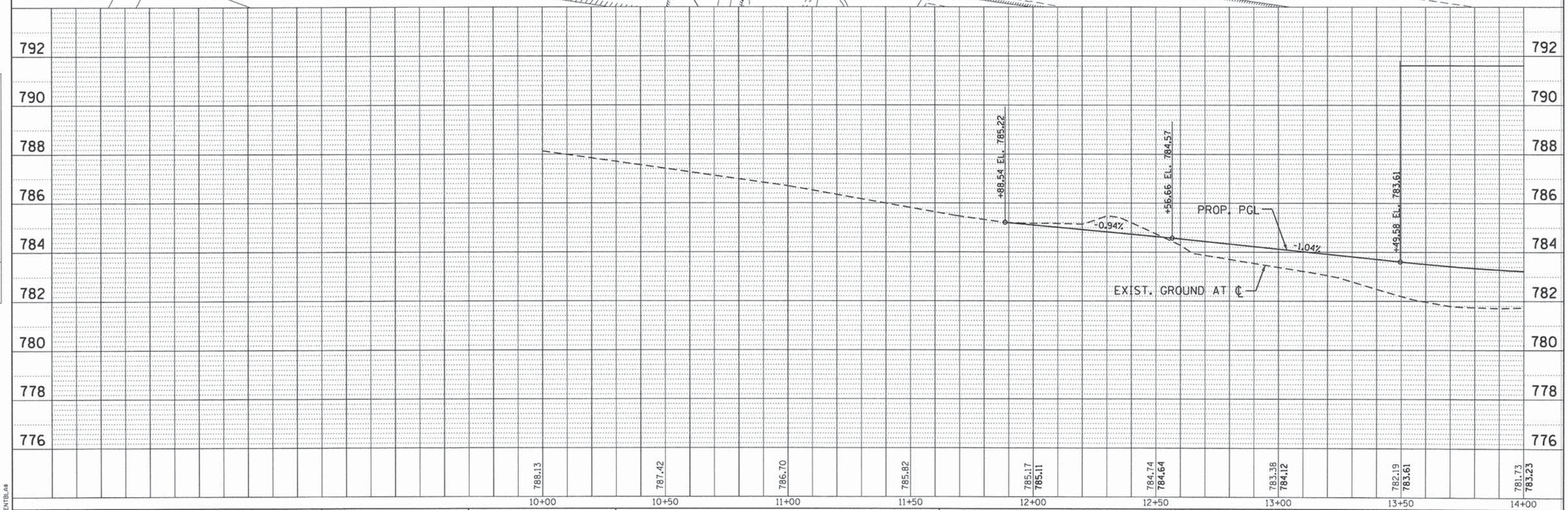
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	62
				61A63

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

PENTABLE = $PENTBL.A$
$FILE$

PROP. CURVE MOT-ALI-1
PI STA. = 11+49.17
Δ = 23° 34' 09" (LT)
D = 8° 00' 48"
R = 715.00'
T = 149.17'
L = 294.12'
E = 15.40'
e = NC
P.C. STA = 10+00.00
P.T. STA = 12+94.12





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

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

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
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patrickengineering.com

USER NAME = tkoeppen	DESIGNED - MJV	REVISED -	
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PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -	
PLOT DATE = 7/7/2014 11:20:28 AM	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY RUN-AROUND PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. MOT 16 OF 22 | STA. BOP TO STA. 14+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	63
				61A63

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

PENTABLE = $PENTBL$
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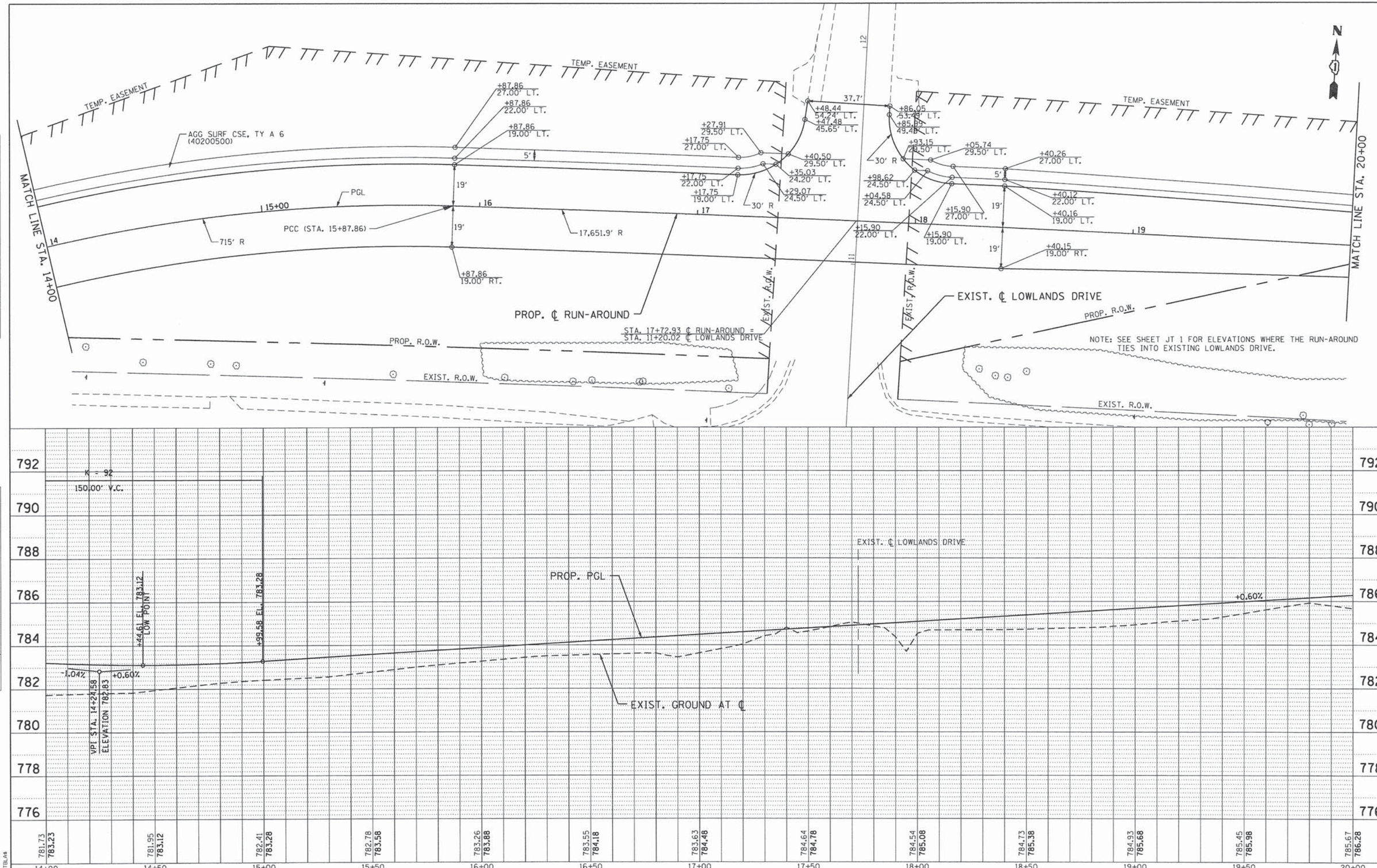

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RW PLAN CHECKED		
CADD FILE NAME		
NOTE BOOK		
NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
RW PLAN CHECKED		
STRUCTURE NOTAT'NS CHKD		
NOTE BOOK		
NO.		

PENTABLE = $PENTBL$8

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen	DESIGNED - MJV	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - MJV	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - MJP	REVISED -	
PLOT DATE = 7/7/2014 11:21:03 AM	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY RUN-AROUND PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. MOT 17 OF 22 | STA. 14+00 TO STA. 20+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	64
				61A63

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

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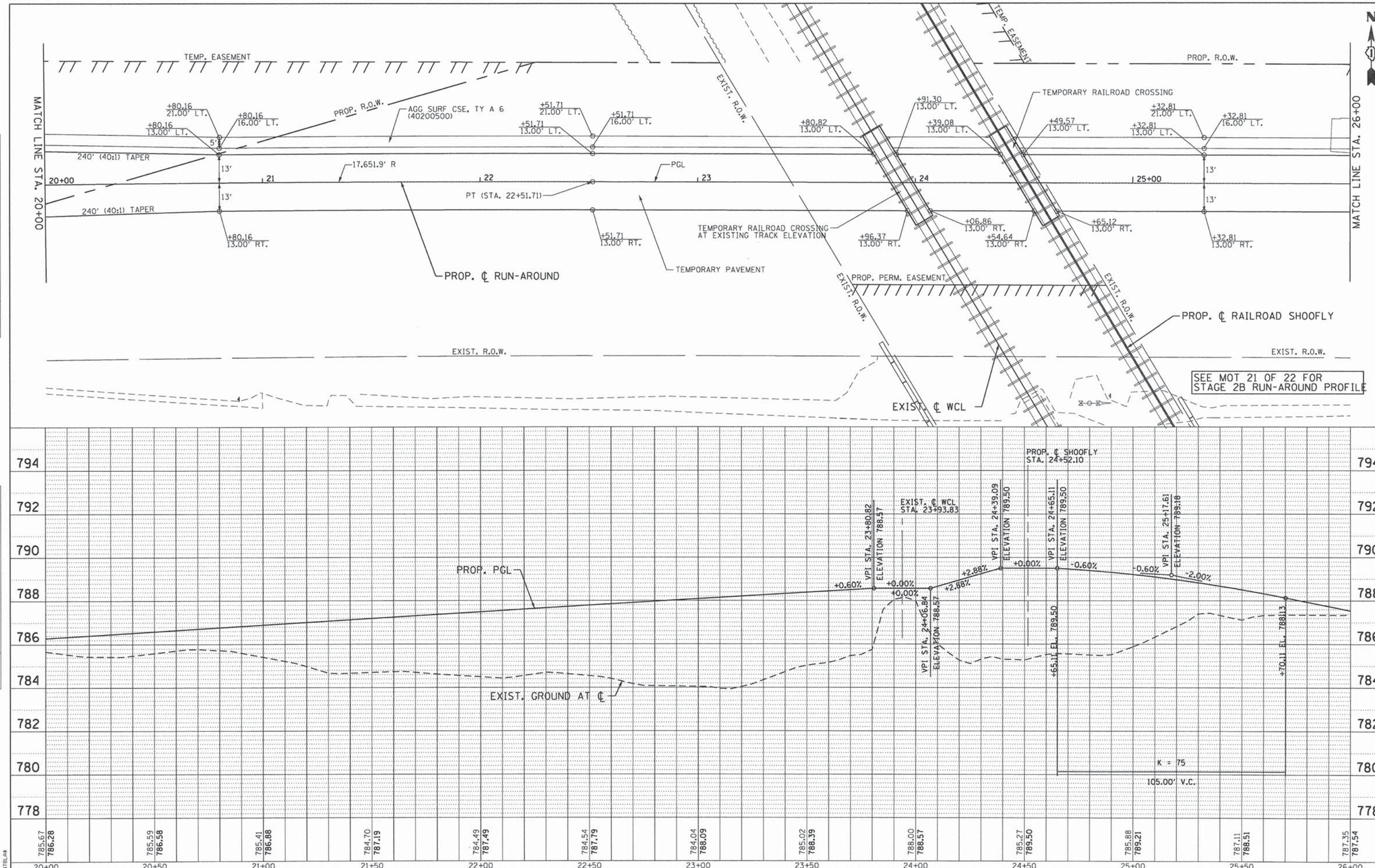

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY DATE		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
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GRADES CHECKED		
BRIDGE CHECKED		
STRUCTURE NOTAT'NS CHKD		
NOTE BOOK NO.		

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PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

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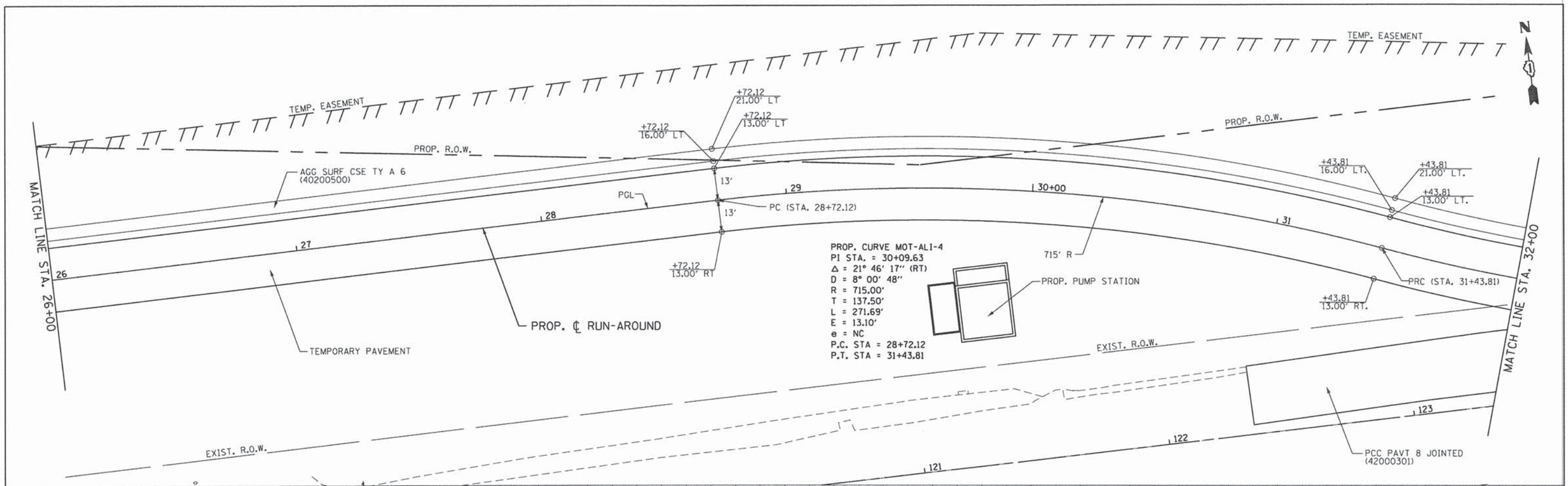
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

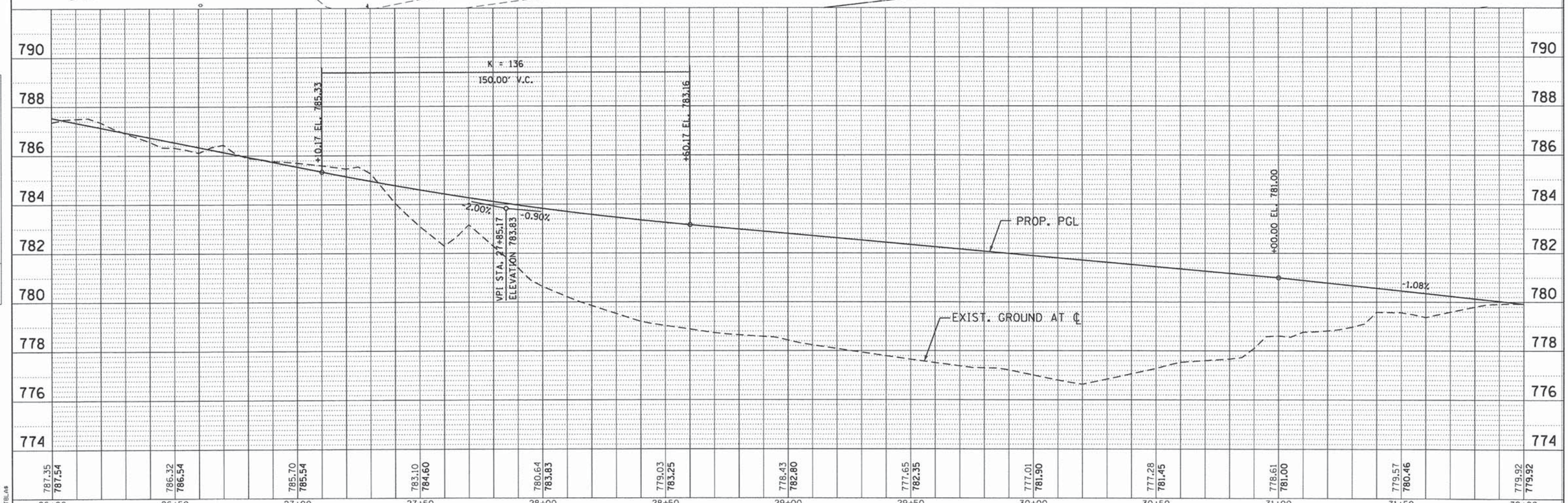
WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY RUN-AROUND PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. MOT 18 OF 22 | STA. 20+00 TO STA. 26+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	65
				61A63

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





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SURVEYED			
PLOTTED			
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ALIGNMENT			
NOTE BOOK NO. ____	STRUCTURE NOTATIONS CHKD		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY RUN-AROUND PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. MOT 19 OF 22 | STA. 26+00 TO STA. 32+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	66

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

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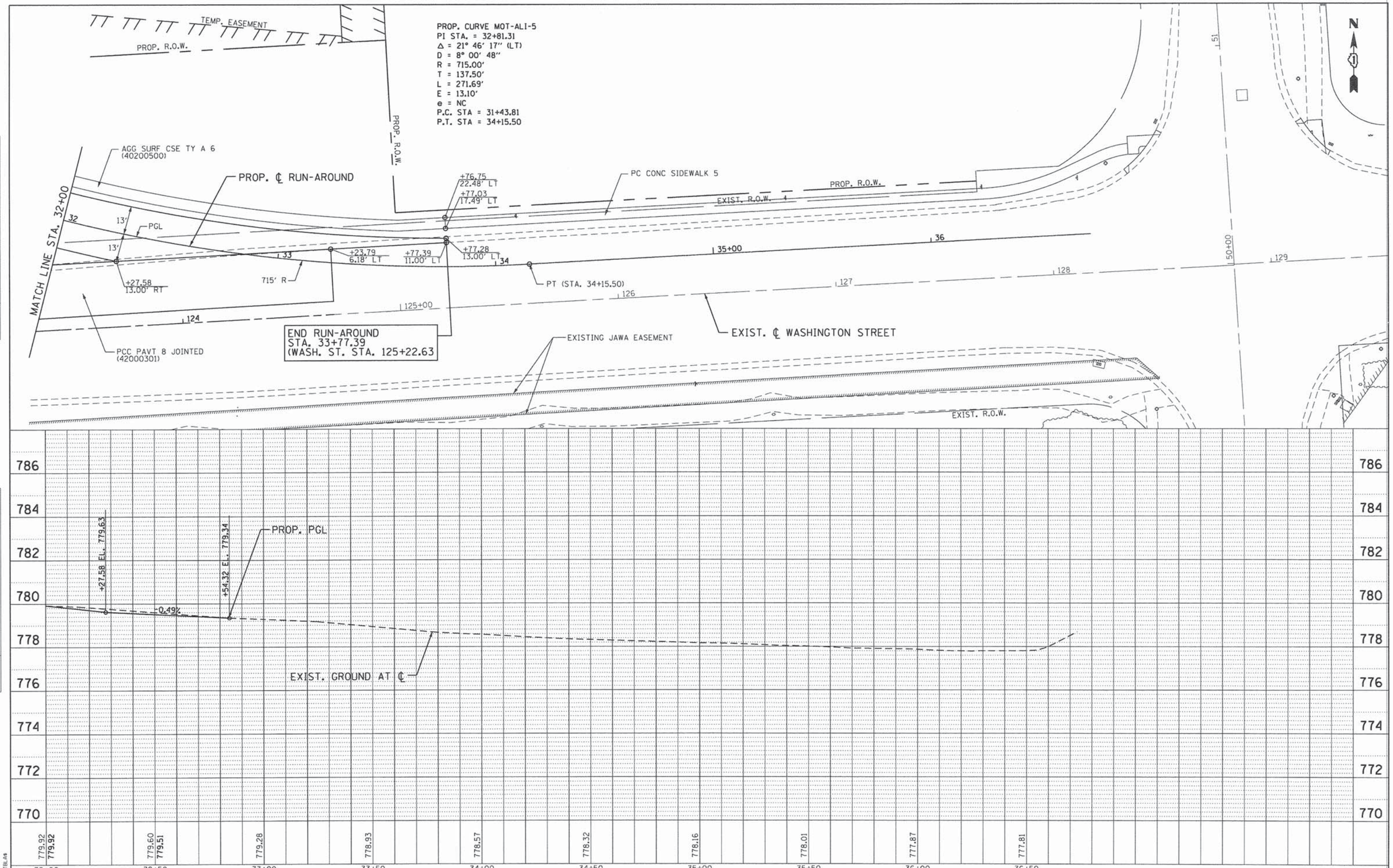

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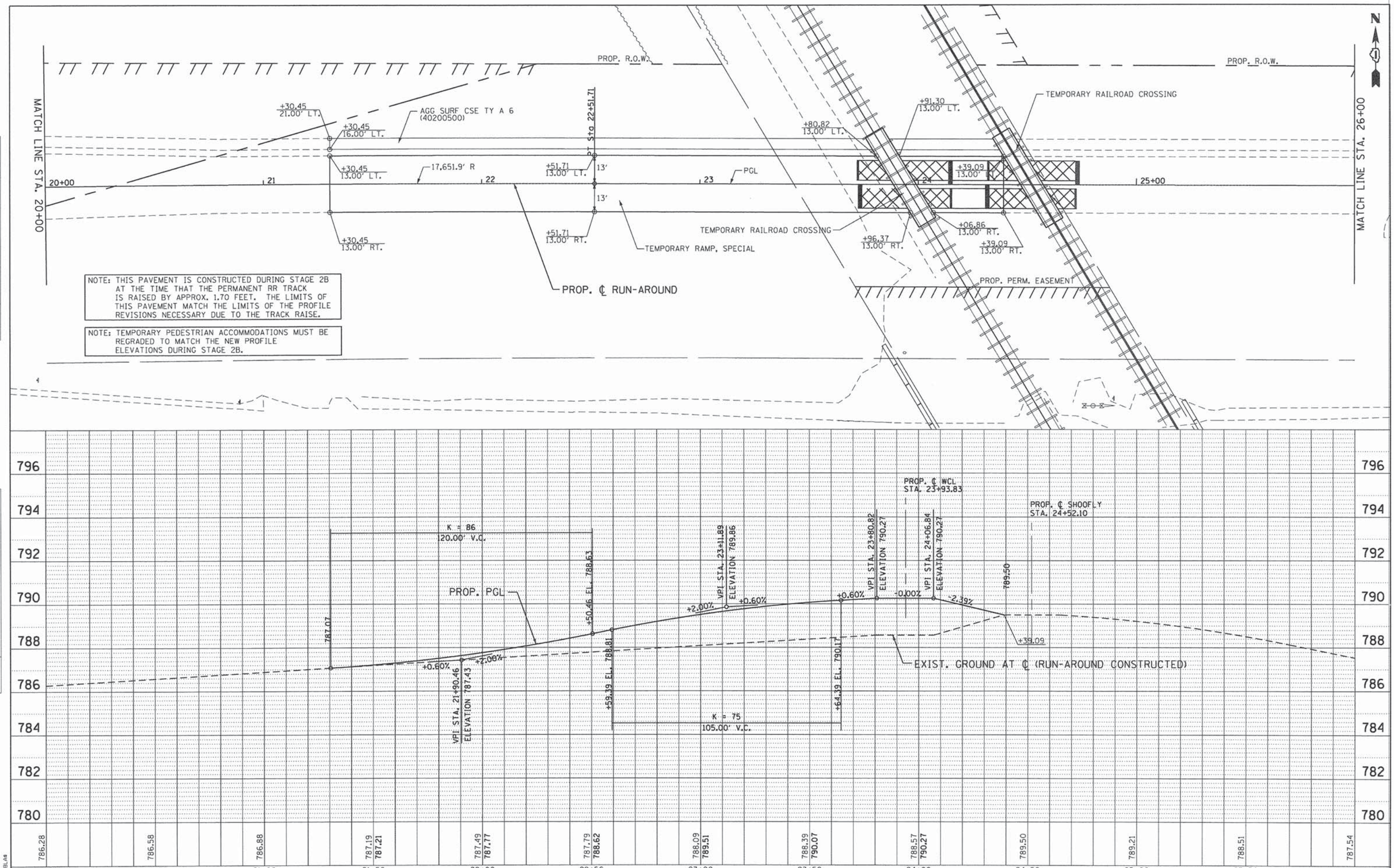
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY RUN-AROUND PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. MOT 20 OF 22 | STA. 32+00 TO STA. 33+77.39

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	67

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT 61A63



NOTE: THIS PAVEMENT IS CONSTRUCTED DURING STAGE 2B AT THE TIME THAT THE PERMANENT RR TRACK IS RAISED BY APPROX. 1.70 FEET. THE LIMITS OF THIS PAVEMENT MATCH THE LIMITS OF THE PROFILE REVISIONS NECESSARY DUE TO THE TRACK RAISE.

NOTE: TEMPORARY PEDESTRIAN ACCOMMODATIONS MUST BE REGRADED TO MATCH THE NEW PROFILE ELEVATIONS DURING STAGE 2B.

PLAN	BY	DATE
SURVEYED		
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RW MONUMENTS PLACED		
CADD FILE NAME		
NOTE BOOK		
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PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
BRIDGE PLATED		
STRUCTURE NO(s)/PNS CHKD		
NOTE BOOK		
NO.		

PENTABLE = $PENTBL$8

$FILE$

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
ROADWAY RUN-AROUND PLAN AND PROFILE

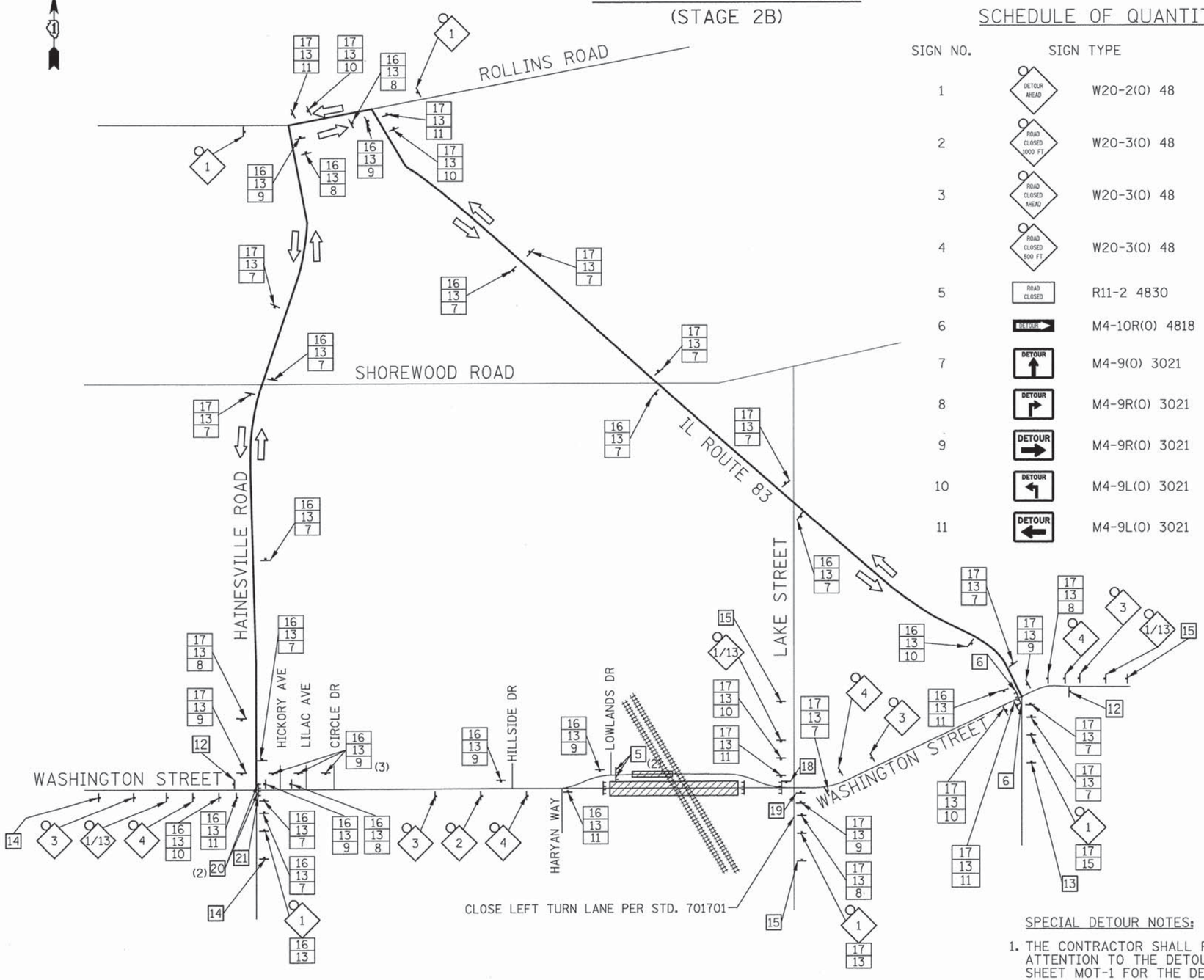
SCALE: 1"=20' | SHEET NO. MOT 21 OF 22 | STA. 21+30.45 TO STA. 24+39.09

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	68
				61A63

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

DETOUR PLAN

(STAGE 2B)



SCHEDULE OF QUANTITIES

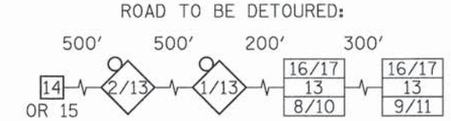
SIGN NO.	SIGN TYPE	QUANTITY
1	W20-2(0) 48	8
2	W20-3(0) 48	1
3	W20-3(0) 48	4
4	W20-3(0) 48	4
5	R11-2 4830	4
6	M4-10R(0) 4818	1
7	M4-9(0) 3021	17
8	M4-9R(0) 3021	6
9	M4-9R(0) 3021	11
10	M4-9L(0) 3021	6
11	M4-9L(0) 3021	7

SCHEDULE OF QUANTITIES (CONTINUED)

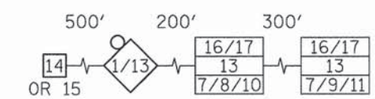
SIGN NO.	SIGN TYPE	QUANTITY
12	M4-8A(0) 2418	2
13	SPECIAL(0) 9 VARIABLE	53
14	SPECIAL(0) 6030 BLACK/ORANGE	2
15	SPECIAL(0) 6030 BLACK/ORANGE	4
16	M3-2(0) 2412	25
17	M3-4(0) 2412	25
18	R3-1 2424	1
19	R3-2 2424	1
20	R11-4 6030	3
21	M4-10L(0) 4818	1

TYPICAL SIGN SPACING DETAIL

ROAD TO BE DETOURED:



ROAD APPROACHING DETOUR ROUTE:



LEGEND

- 48″X48″ CONSTRUCTION WARNING SIGN, WITH AMBER FLASHING LIGHT NUMBER DENOTES TYPE
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE
- TYPE III BARRICADE WITH AMBER FLASHING LIGHTS
- DETOUR ROUTE
- WORK ZONE

SPECIAL DETOUR NOTES:

1. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES. SEE SHEET MOT-1 FOR THE DETOUR GENERAL NOTES.
2. PRIOR TO AND AT THE CONCLUSION OF THIS DETOUR PLAN, THE TRAFFIC CONTROL PLAN SHOWN ON SHEETS MOT-13 TO MOT-15 SHALL BE IN EFFECT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
DETOUR PLAN

SCALE: N/A | SHEET NO. MOT 22 OF 22 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	69

61A63

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

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EROSION CONTROL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LAKE COUNTY STORMWATER MANAGEMENT COMMISION WATERSHED DEVELOPMENT ORDINANCE. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR40.

2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.

3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.

4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.

5. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED. SOIL STOCKPILES MUST NOT BE LOCATED WITHIN ANY SPECIAL MANAGEMENT AREAS. SPECIAL MANAGEMENT AREAS INCLUDE WETLANDS, ADJACENT OFF-SITE WETLANDS, AND FLOODPLAINS.

6. CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN WETLANDS.

7. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.

8. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.

9. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.

10. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL. CONCRETE WASH AREAS SHALL NOT BE LOCATED WITHIN ANY SPECIAL MANAGEMENT AREAS.

11. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

12. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.

13. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES WEEKLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 72 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.

14. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS, EXCEPT WHERE OTHERWISE NOTED IN THE CONTRACT SPECIAL PROVISIONS.

15. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.

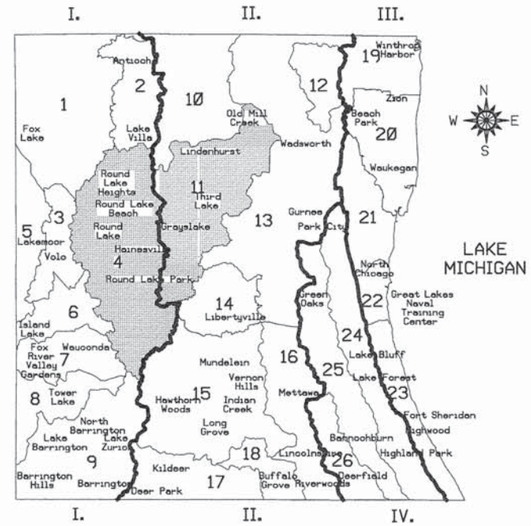
16. STRAW OR HAY BALES SHALL NOT BE USED FOR INLET AND PIPE PROTECTION.

17. REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR GRADING.

18. CONSTRUCTION SHALL BE STAGED AND EROSION CONTROL SHALL BE IN PLACE FOR EACH STAGE AS INDICATED ON THE DRAWINGS. REFER TO DRAWING TITLE FOR STAGE.

19. REFER TO LANDSCAPE PLANS SHEETS PMK 1 - PMK 4 FOR FINAL LANDSCAPING AND RESTORATION PLANS.

DRAINAGE BASINS OF LAKE COUNTY



I. FOX RIVER WATERSHED
1. Upper Fox River
2. Sequoit Creek
3. Fish Lake Drain
4. Squaw Creek
5. Lower Fox River
6. Mutton Creek
7. Slocum Lake Drain
8. Tower Lake Drain
9. Flint Creek

II. DES PLAINES RIVER WATERSHED
10. North Mill Creek
11. Mill Creek
12. Newport Drainage Ditch
13. Upper Des Plaines River
14. Bull Creek
15. Indian Creek
16. Lower Des Plaines River
17. Buffalo Creek
18. Aptakisic Creek

III. LAKE MICHIGAN WATERSHED
19. Kellogg Creek
20. Dead River
21. Waukegan River
22. Pettibone Creek
23. Bluff/Ravine

IV. CHICAGO RIVER WATERSHED
24. Skokie River
25. Middle Fork
26. West Fork

LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES

A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:

- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

C. 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 PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, 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.

E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURESAS APPROVED BY THE ENFORCEMENT OFFICER.

I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.

J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

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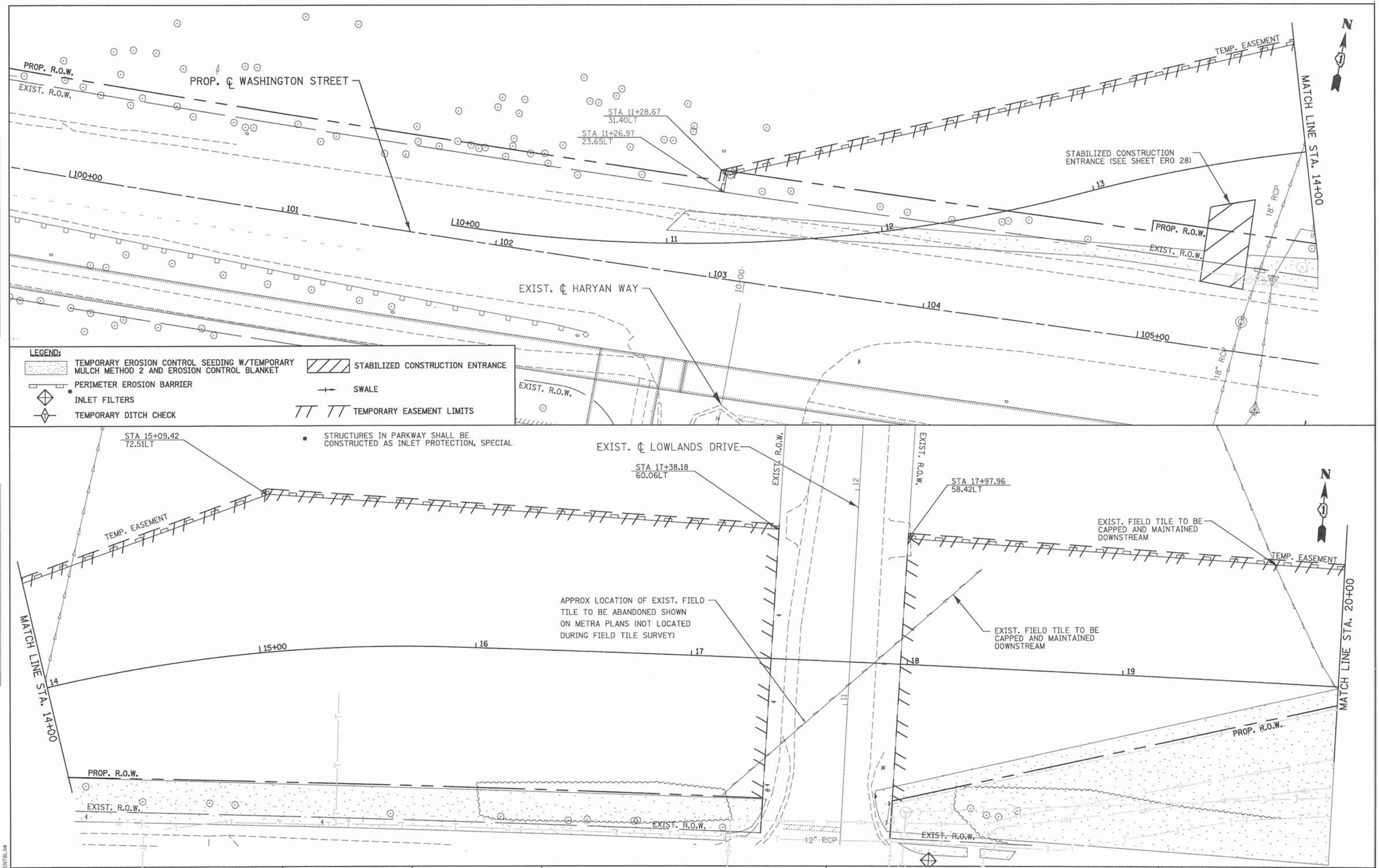

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PLOTTED
GRADES CHECKED
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STRUCTURE NOTAT'NS CH'KD
BY
DATE

PENTABLE = $PENTBL$$

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LISLE, IL 60532
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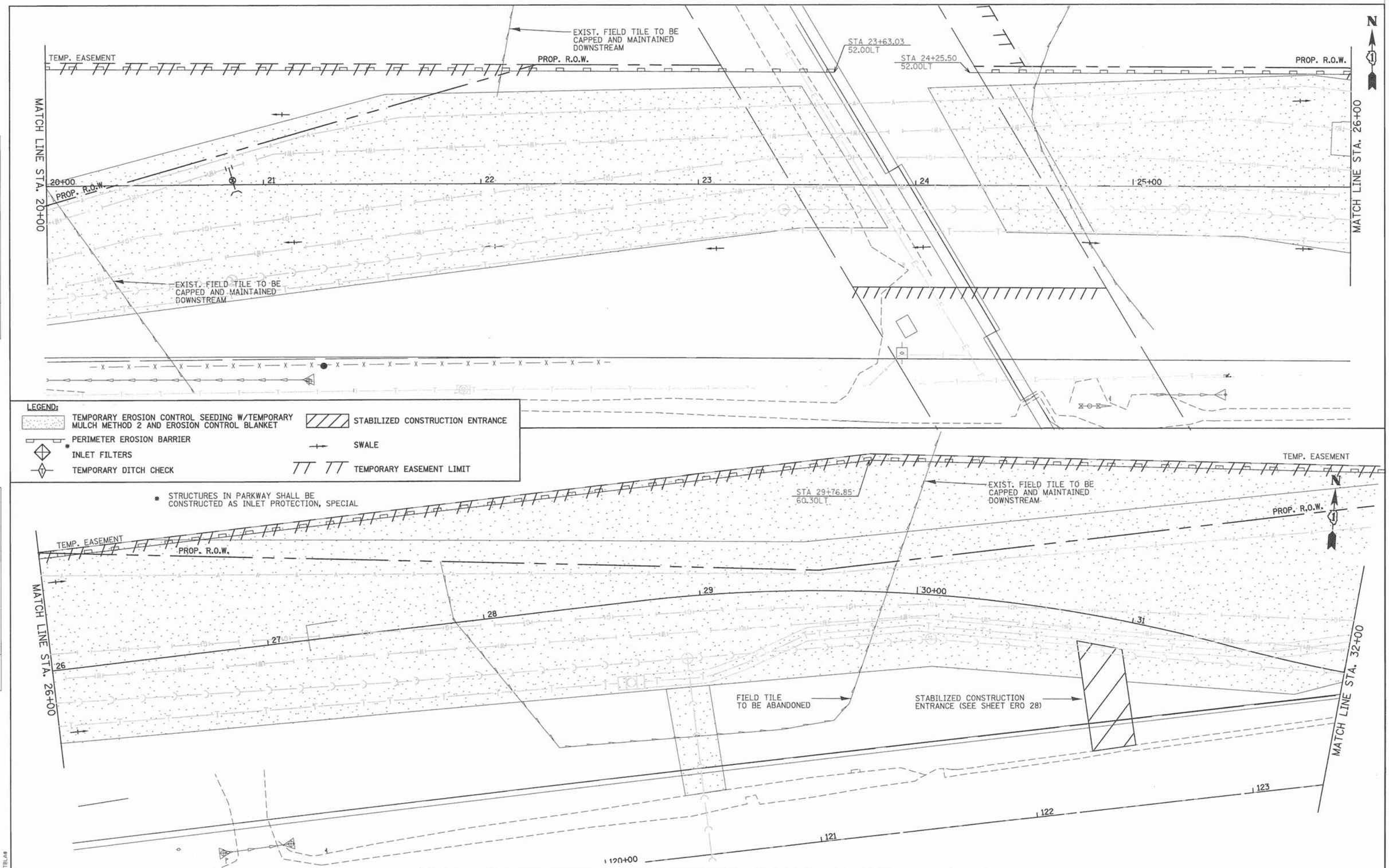
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN PRE STAGE

SCALE: 1"=20' | SHEET NO. ERO 2 OF 29 | STA. BOP TO STA. 20+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	71
				61A63

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



LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

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GRADES CHECKED		
HYDRAULICS CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

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GRADES CHECKED		
HYDRAULICS CHECKED		
STRUCTURE NOTATNS CHKD		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN PRE STAGE

SCALE: 1"=20' | SHEET NO. ERO 3 OF 29 | STA. 20+00 TO STA. 32+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	72

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

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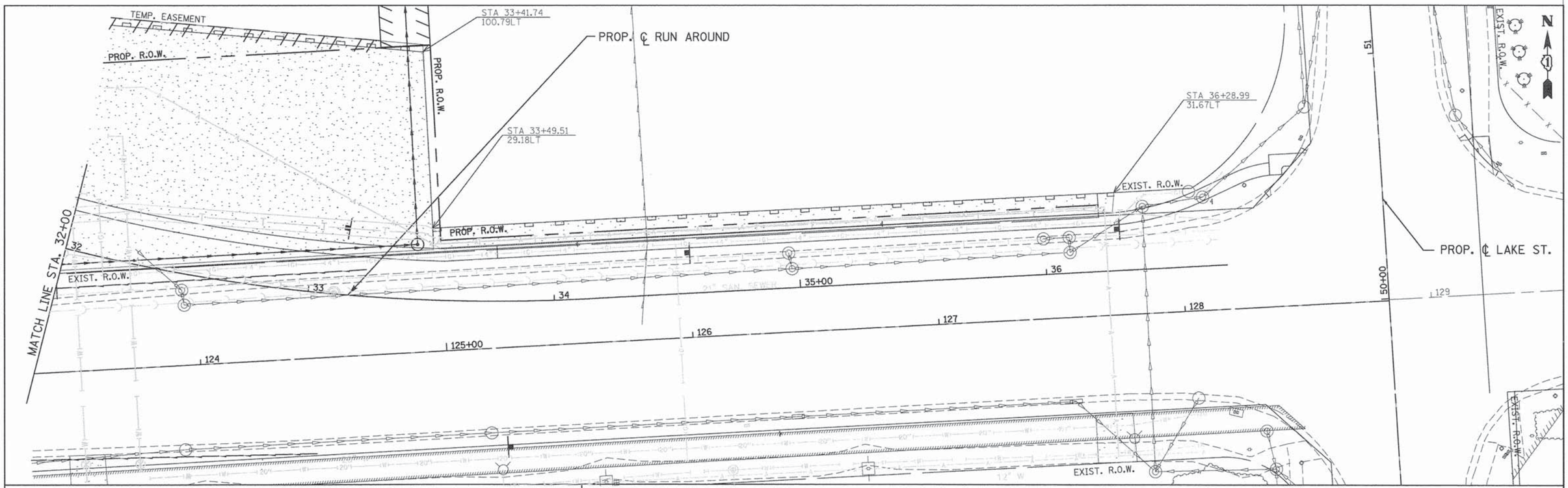

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

PLAN		BY	DATE
NOTE BOOK NO.	SURVEYED		
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	ALIGNMENT CHECKED		
	R.O.W. CHECKED		
	CADD FILE NAME		

PROFILE		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	B.M. ADJUSTED		
	STRUCTURE NOTAT'NS CHKD		

PENTABLE = $PENTBLA$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen	DESIGNED - JWM	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = 7/7/2014 2:08:02 PM	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN PRE STAGE

SCALE: 1"=20' | SHEET NO. ERO 4 OF 29 | STA. 32+00 TO STA. EOP

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	73
				61A63

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

$FILE$

PROP. R.O.W.
EXIST. R.O.W.
PROP. ℄ WASHINGTON STREET
PROP. ℄ RUN-AROUND
STA 11+28.67
31.40LT
STA 11+26.97
23.65LT
SILT FENCE TO BE MAINTAINED FROM PRE STAGE CONSTRUCTION
TEMP. EASEMENT
MATCH LINE STA. 14+00
100+00
101
10+00
102
11
12
13
103
10+00
104
105+00
PROP. R.O.W.
EXIST. R.O.W.
EXIST. ℄ HARYAN WAY
STABILIZED CONSTRUCTION ENTRANCE (SEE SHEET ERO 28)
18" RCP
EXIST. R.O.W.

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

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

EXIST. R.O.W.
EXIST. R.O.W.
TEMP. EASEMENT
PROP. ℄ RUN-AROUND
SILT FENCE TO BE MAINTAINED FROM PRE STAGE CONSTRUCTION
EXIST. FIELD TILE TO BE CAPPED AND MAINTAINED DOWNSTREAM
MATCH LINE STA. 14+00
MATCH LINE STA. 20+00
15+00
16
17
18
19
14
12
11
PROP. R.O.W.
EXIST. R.O.W.
EXIST. R.O.W.
12" RCP
EXIST. R.O.W.
PROP. R.O.W.

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

PENTABLE = ⊕PENTBLA⊕

⊕FILE⊕

PATRICK ENGINEERING

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
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USER NAME = ⊕USER⊕	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= ⊕PLTDRVS⊕	DRAWN - JWM	REVISED -	
PLOT SCALE = ⊕SCALESHORT⊕	CHECKED - EYC	REVISED -	
PLOT DATE = ⊕DATE⊕ ⊕TIME⊕	DATE - 6/30/2014	REVISED -	

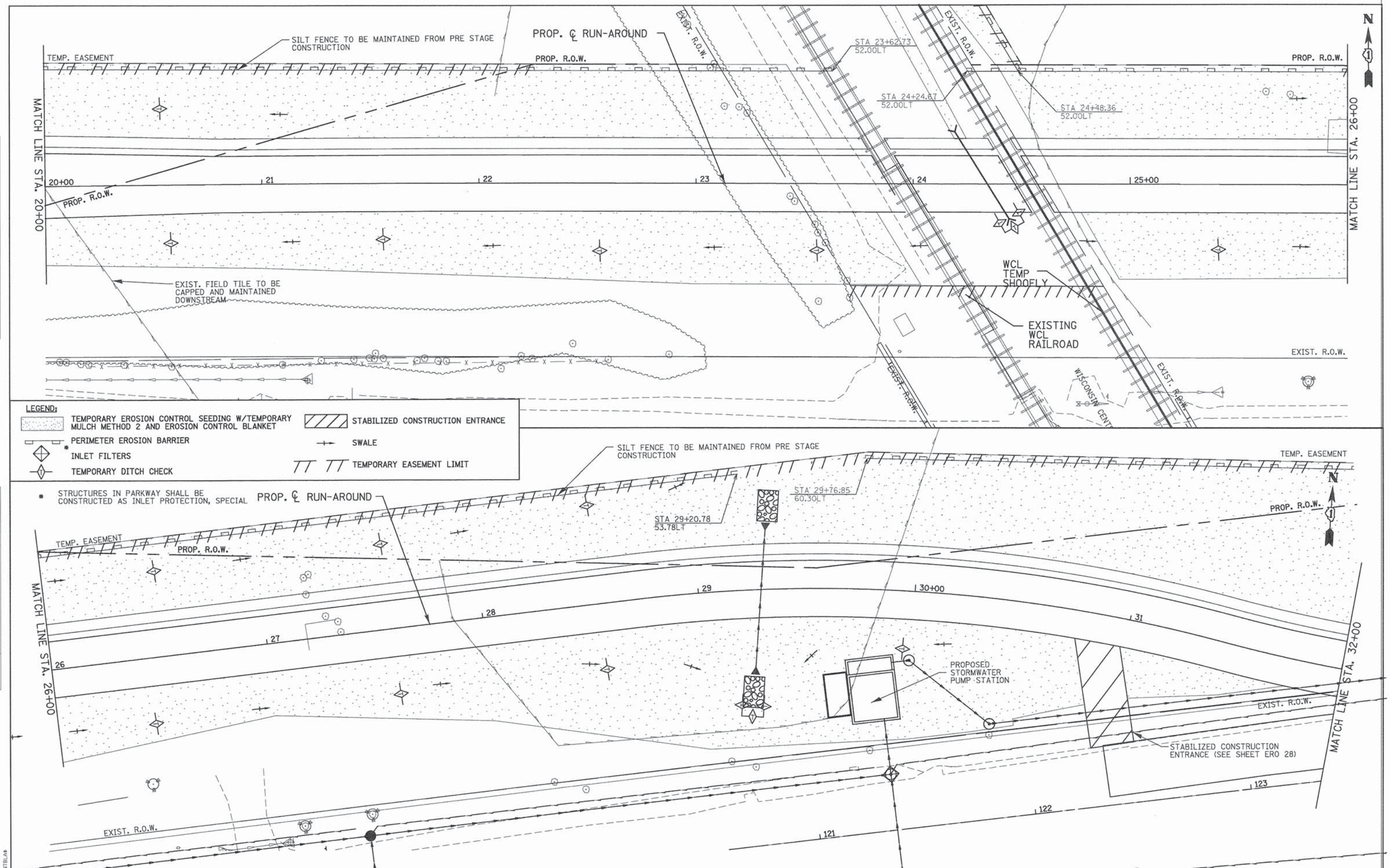
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 1

SCALE: 1"=20' | SHEET NO. ERO 5 OF 29 | STA. BOP TO STA. 20+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	74
				61A63

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



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.O.W. MARKER PLACED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
R.O.W. MARKER PLACED
STRUCTURE NOTATNS CHK'D
BY
DATE

PATRICK ENGINEERING
PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen	DESIGNED - JWM	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = 7/7/2014 2:09:09 PM	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 1

SCALE: 1"=20' | SHEET NO. ERO 6 OF 29 | STA. 20+00 TO STA. 32+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	75

61A63

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

PENTABLE = $PENTBL.0$
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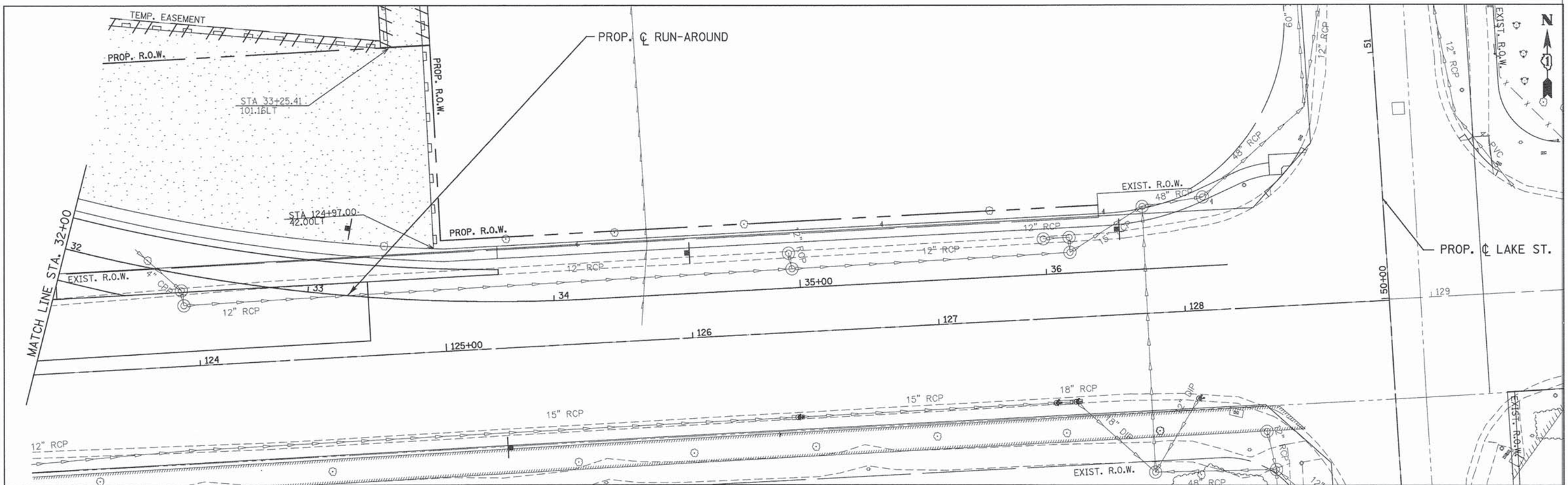


LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

PLAN		BY	DATE
NOTE BOOK NO. ____	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
	R.O.W. CHECKED		
	CADD FILE NAME		

PROFILE		BY	DATE
NOTE BOOK NO. ____	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTAT'NS CH'KD		

PENTABLE = $PENTBL0$

$FILE$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com
PATRICK ENGINEERING

USER NAME = tkoeppen	DESIGNED - JWM	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = 7/7/2014 2:09:40 PM	DATE - 6/30/2014	REVISED -	

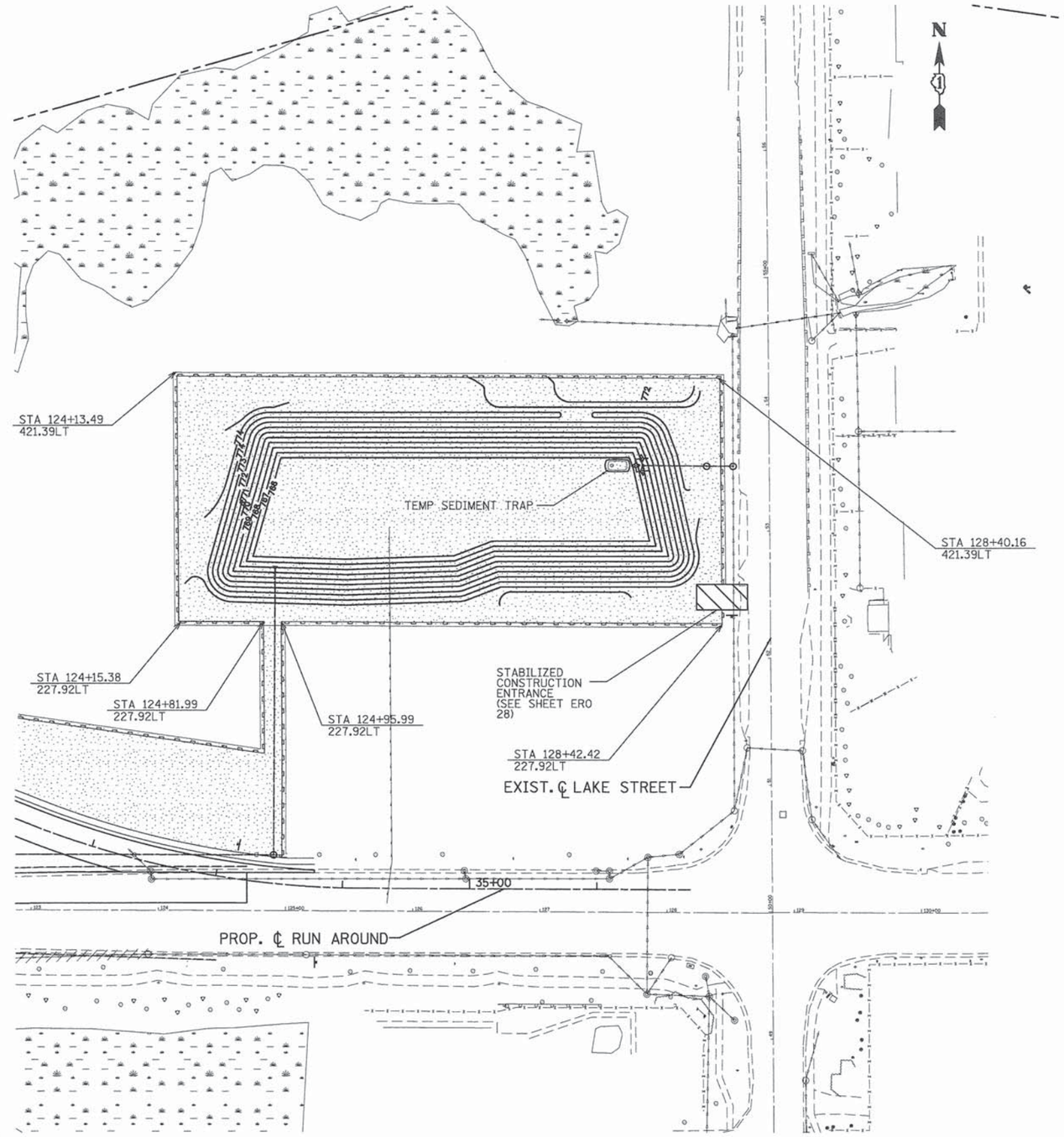
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 1

SCALE: 1"=20' | SHEET NO. ERO 7 OF 29 | STA. 32+00 TO STA. EOP

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	76
			61A63	

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



* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

BASIN #2

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

PATRICK ENGINEERING

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4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen	DESIGNED - JWM	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = 7/7/2014 2:18:12 PM	DATE - 6/30/2014	REVISED -	

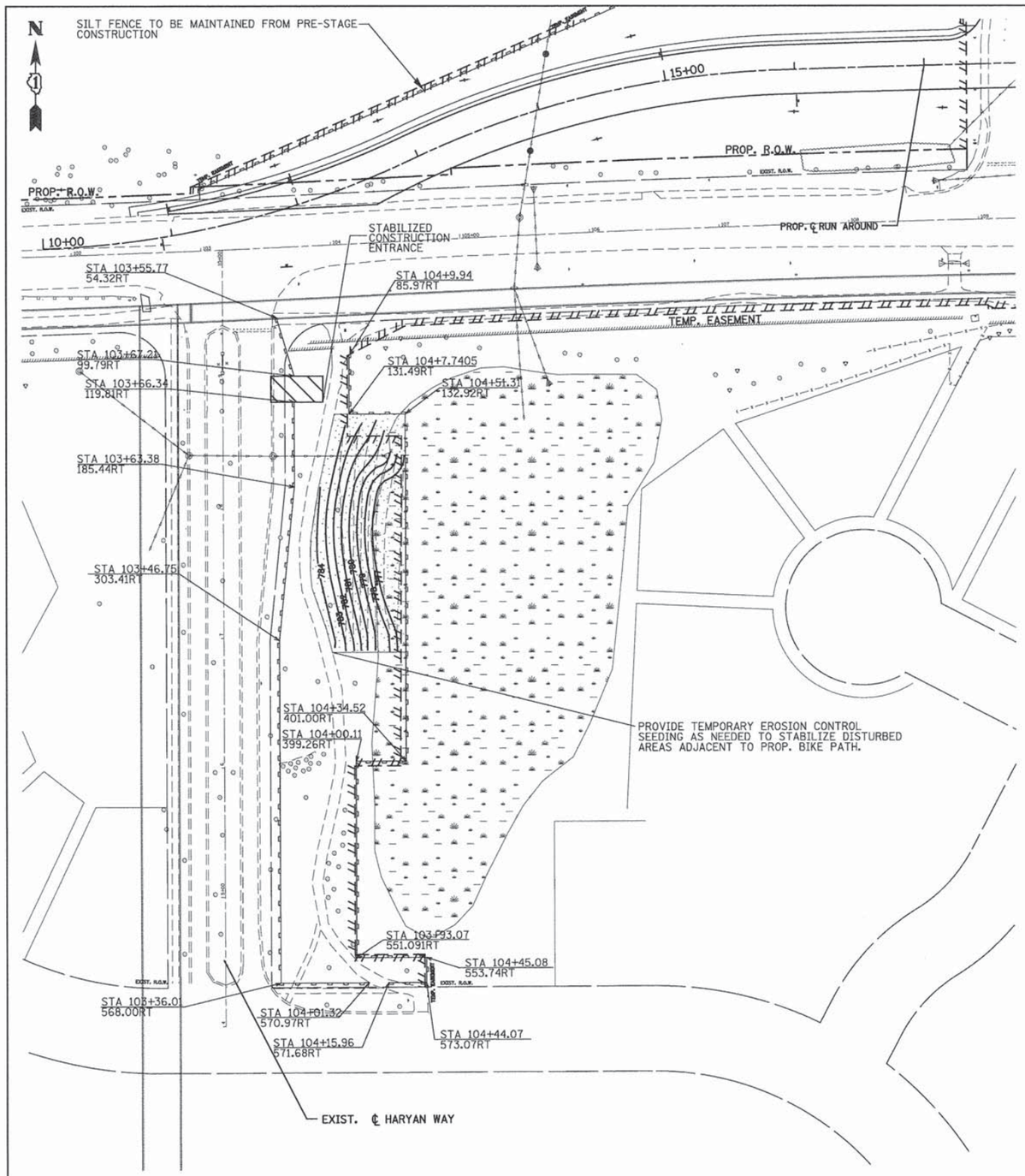
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 1

SCALE: 1"=20' | SHEET NO. ERO 8 OF 29 | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	77
		CONTRACT NO. 61A63		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PENTABLE = $PENTBLA$
$FILE$



BASIN #1

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

PENTABLE = $PENTBLA$

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4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen	DESIGNED - JWM	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

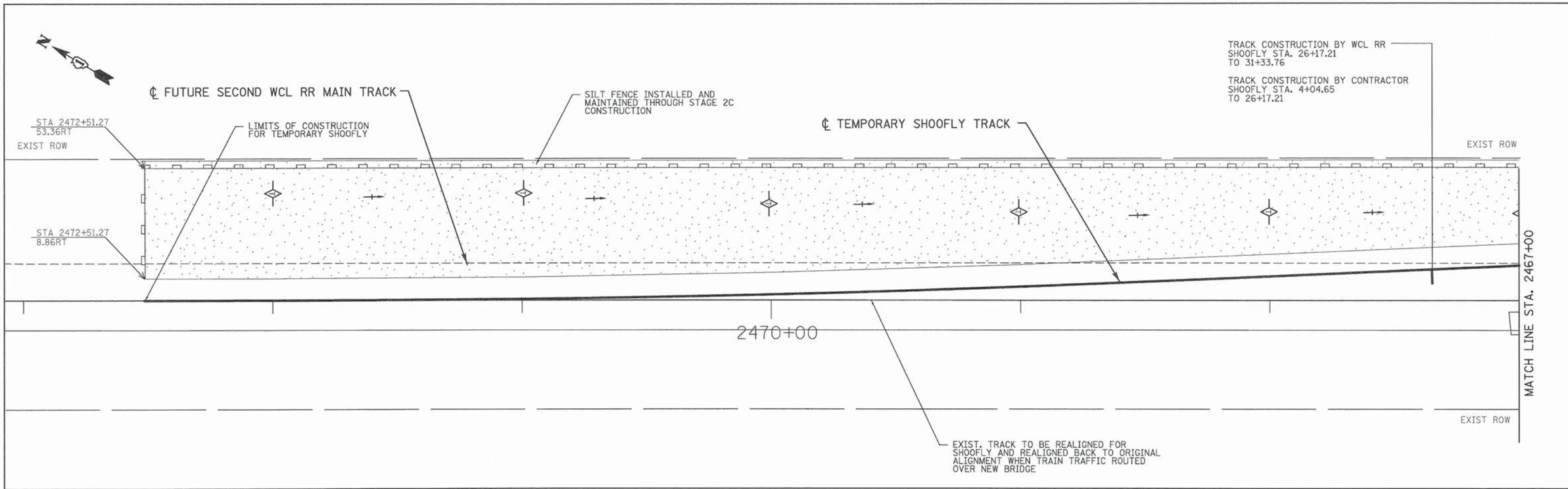
WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2A

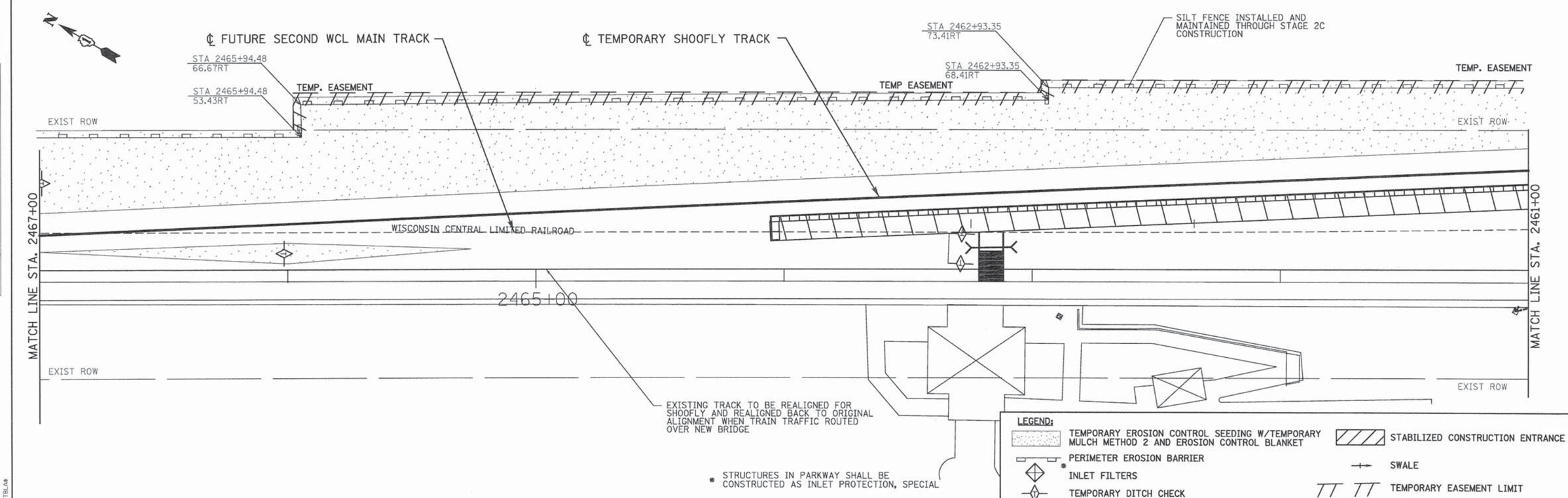
SCALE: 1"=30' | SHEET NO. ERO 9 OF 29 | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	78
		CONTRACT NO. 61A63		

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

$FILE$





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

PROFILE		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTAT'NS CH'KD		

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen	DESIGNED - JWM	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = 7/7/2014 2:11:20 PM	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2A

SCALE: 1"=20' | SHEET NO. ERO 10 OF 29 | STA. BOP TO STA. 2461+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	79
				61A63

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

PENTABLE = $PENTBL$B
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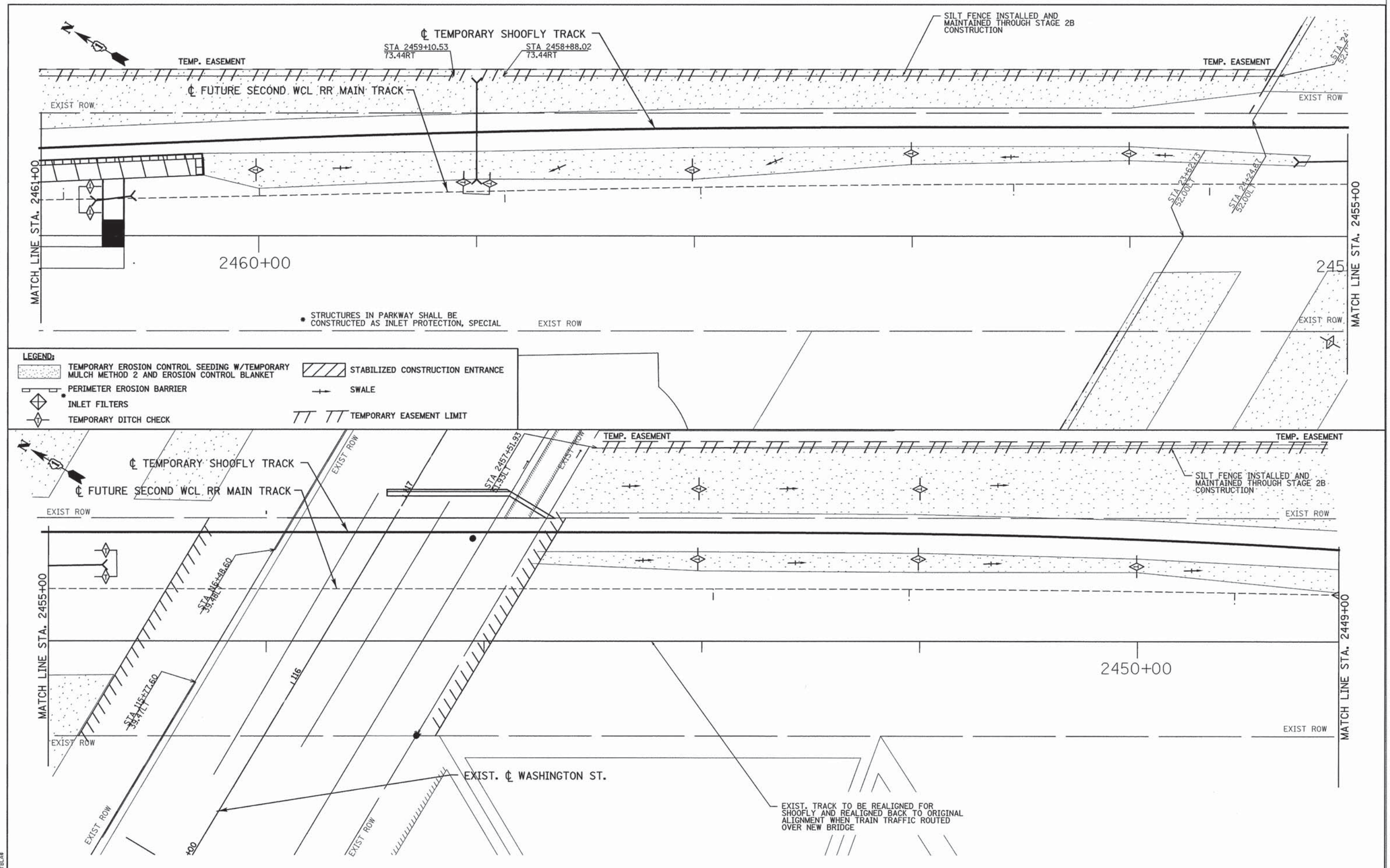


PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RT. OF WAY CHECKED			
CADD FILE NAME			
NOTE BOOK NO.			

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

PENTABLE = $PENTBLA$

$FILE$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

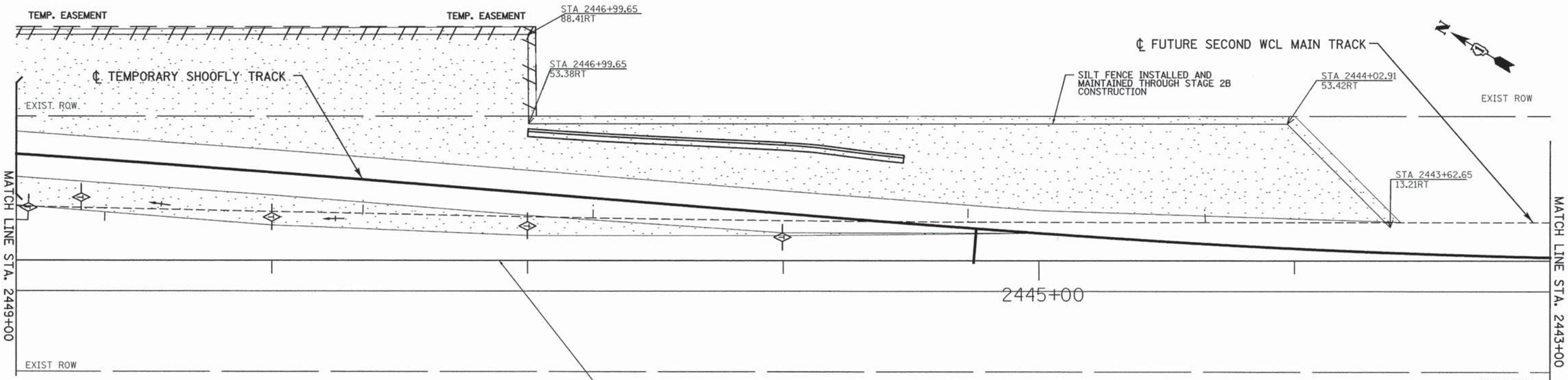
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2A

SCALE: 1"=20' | SHEET NO. ERO 11 OF 29 | STA. 2461+00 TO STA. 2449+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	80
				61A63

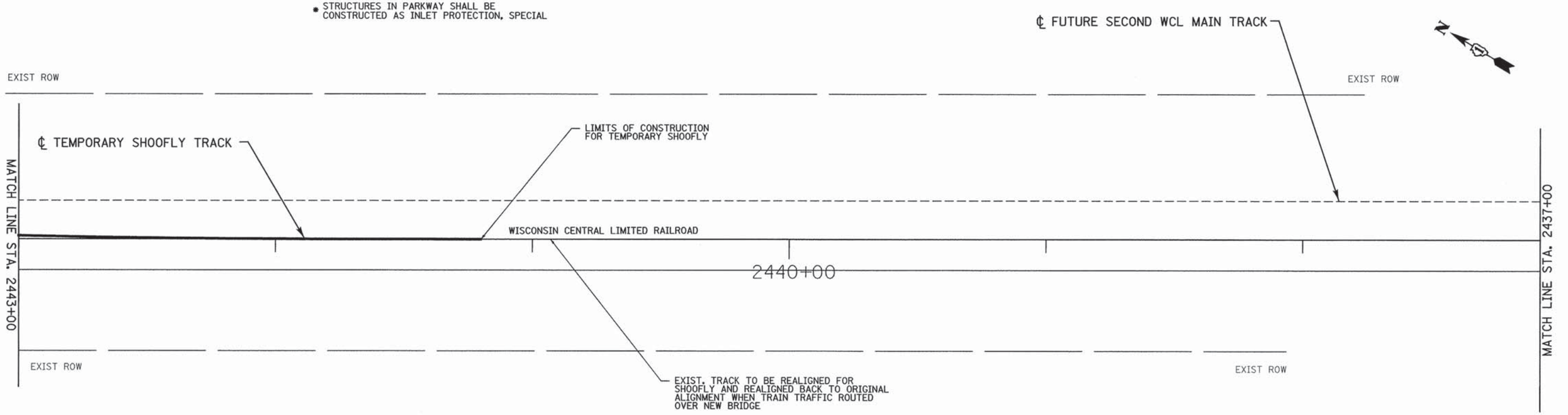
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- * INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL



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

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

PENTABLE = $PENTBLA$

$FILE$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2A

SCALE: 1"=20' | SHEET NO. ERO 12 OF 29 | STA. 2449+00 TO STA. 2437+00

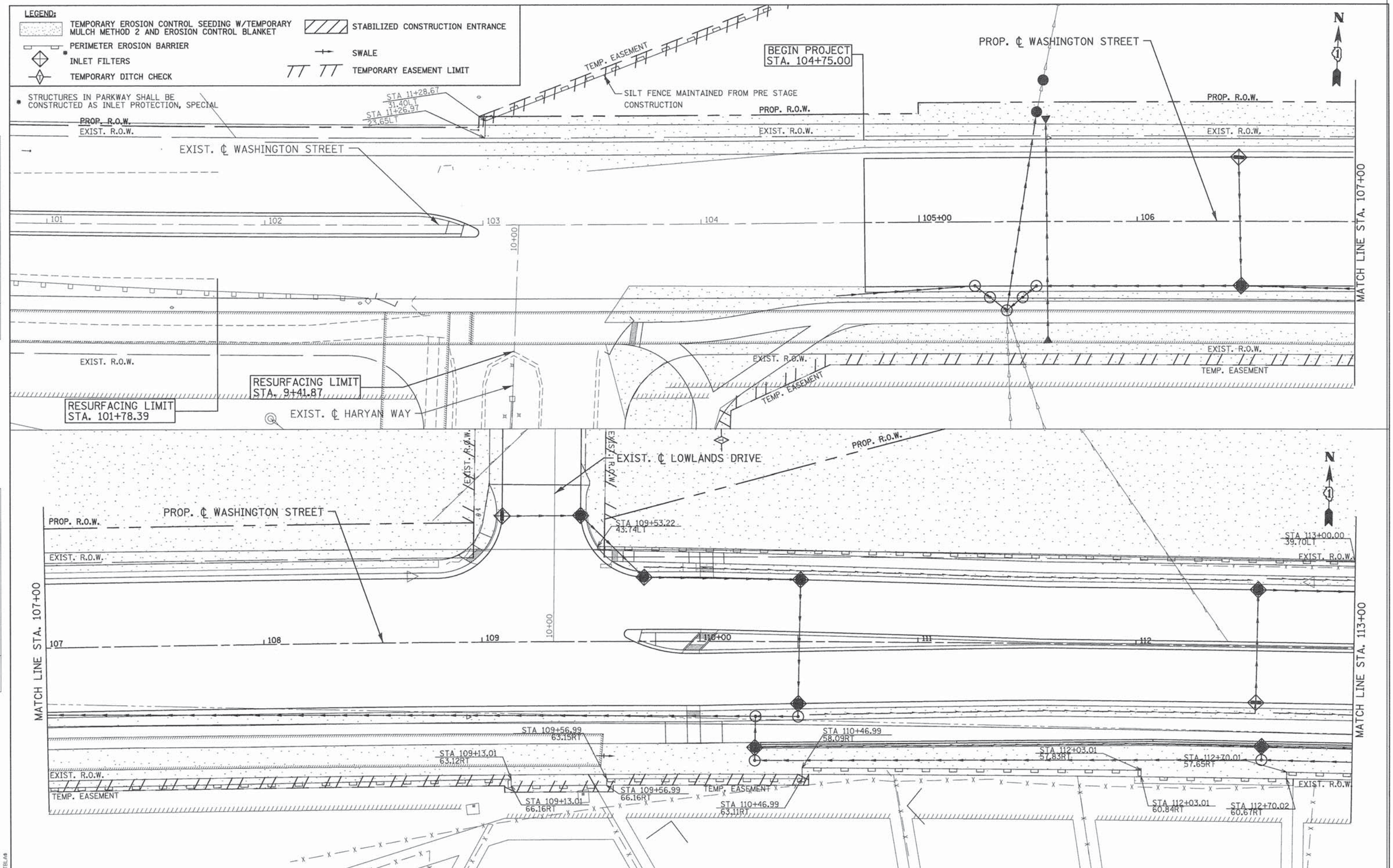
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	81
				61A63

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

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- * INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
R.O.W. MONUMENTED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
R.O.W. MONUMENTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen	DESIGNED - JWM	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = 7/7/2014 2:13:02 PM	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

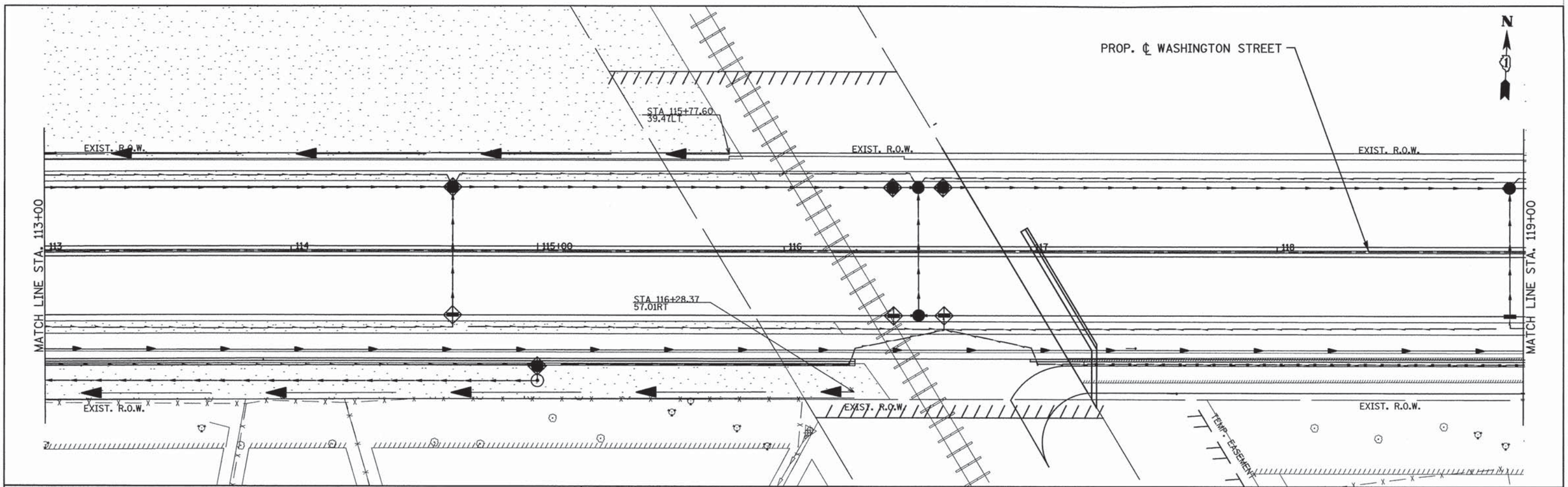
WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2B

SCALE: 1"=20' | SHEET NO. ERO 13 OF 29 | STA. BOP | TO STA. 113+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	82
				61A63

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

PENTABLE = $PENTBLA$
$FILE$



LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

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

PROFILE		BY	DATE
NOTE BOOK NO. ____	SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ B.M. NOTED ____ STRUCTURE NOTAT'NS CK'KD ____		

PENTABLE = $PENTBLA$

$FILE$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2B

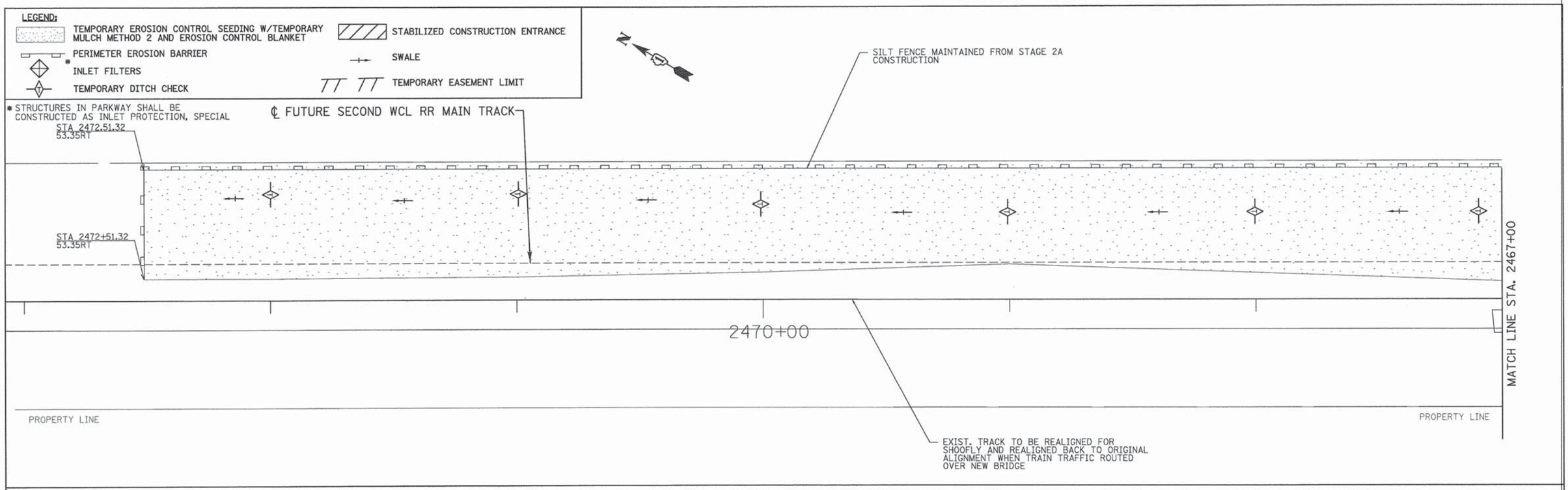
SCALE: 1"=20' | SHEET NO. ERO 14 OF 29 | STA. 113+00 TO STA. 119+00

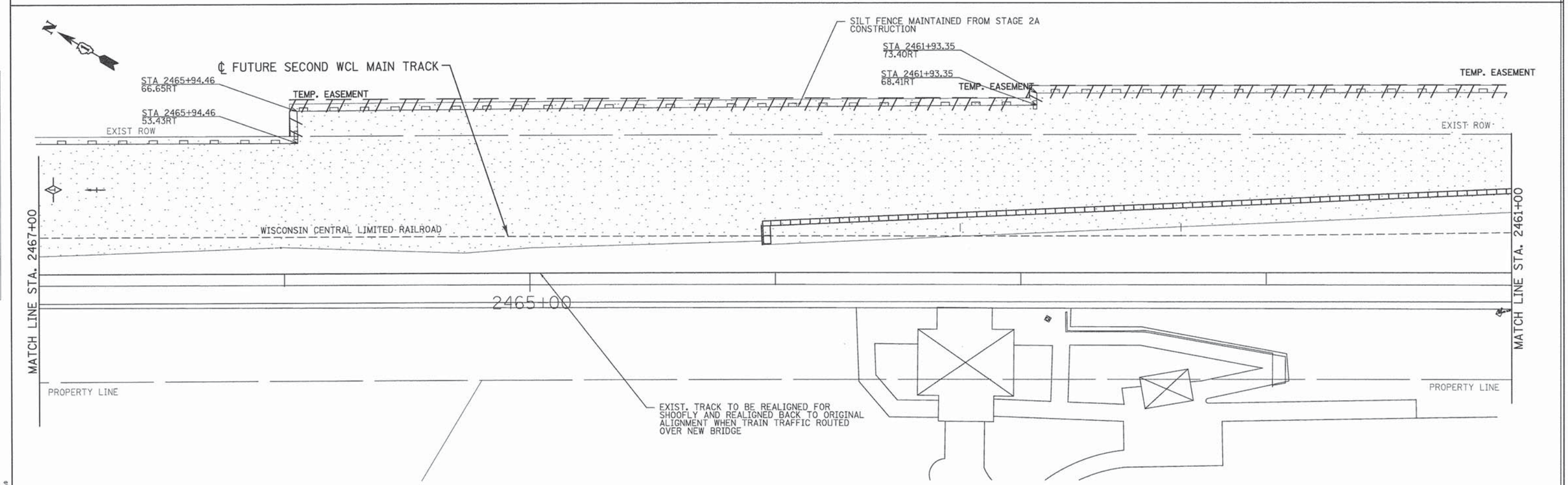
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	83
				61A63

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

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- * INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT





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

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

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen	DESIGNED - JWM	REVISED -	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

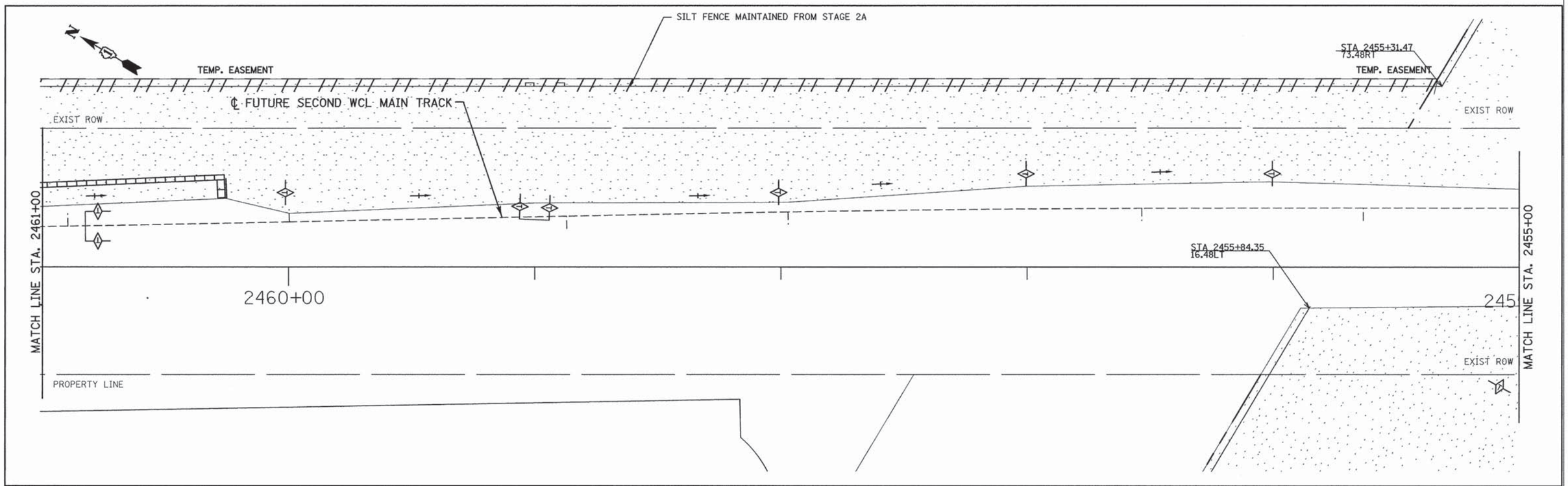
WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2B

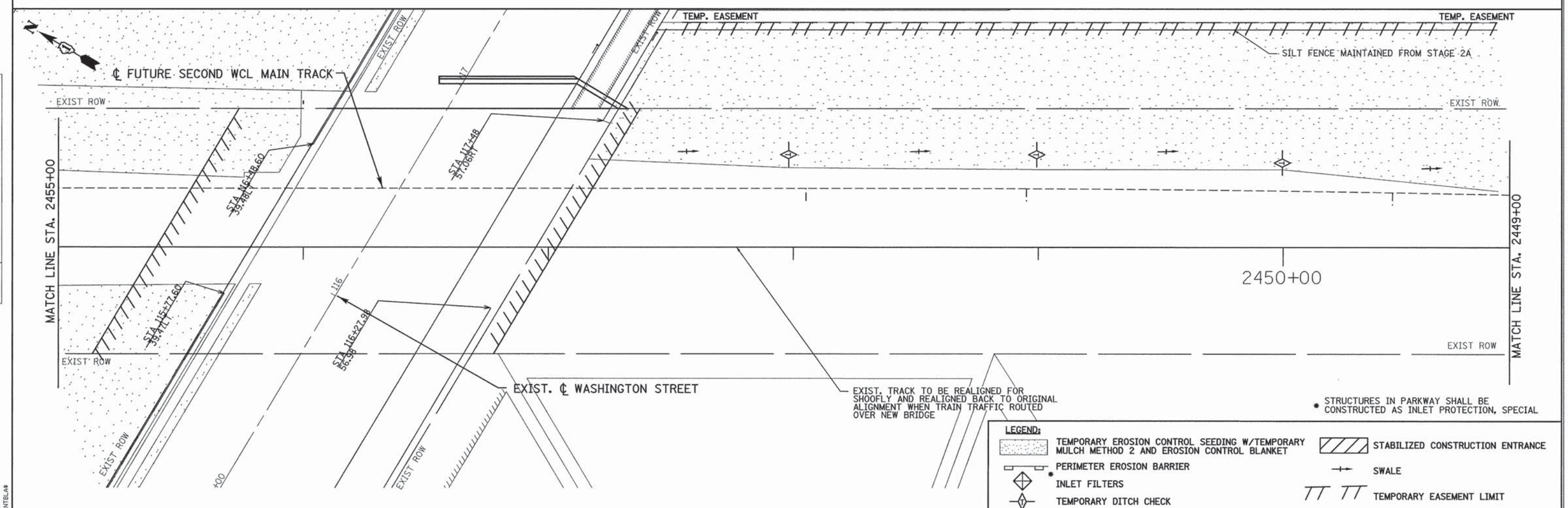
SCALE: 1"=20' | SHEET NO. ERO 15 OF 29 | STA. BOP | TO STA. 2461+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	84
				61A63

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

PENTABLE = $PENTBLA$
$FILE$





* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

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

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

PENTABLE = $PENTBLA$

$FILE$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

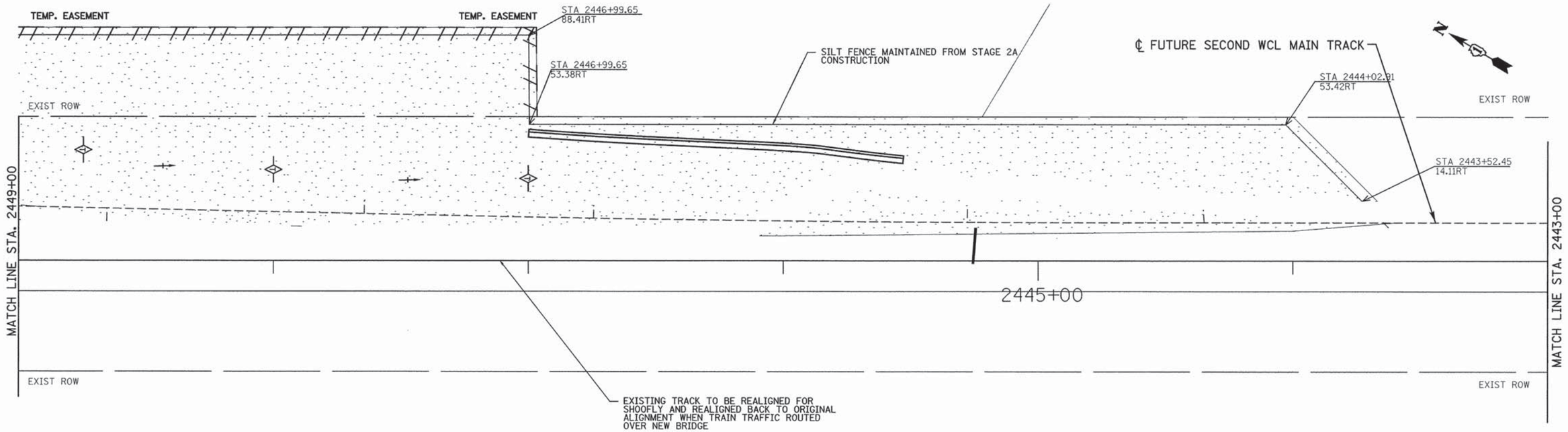
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2B

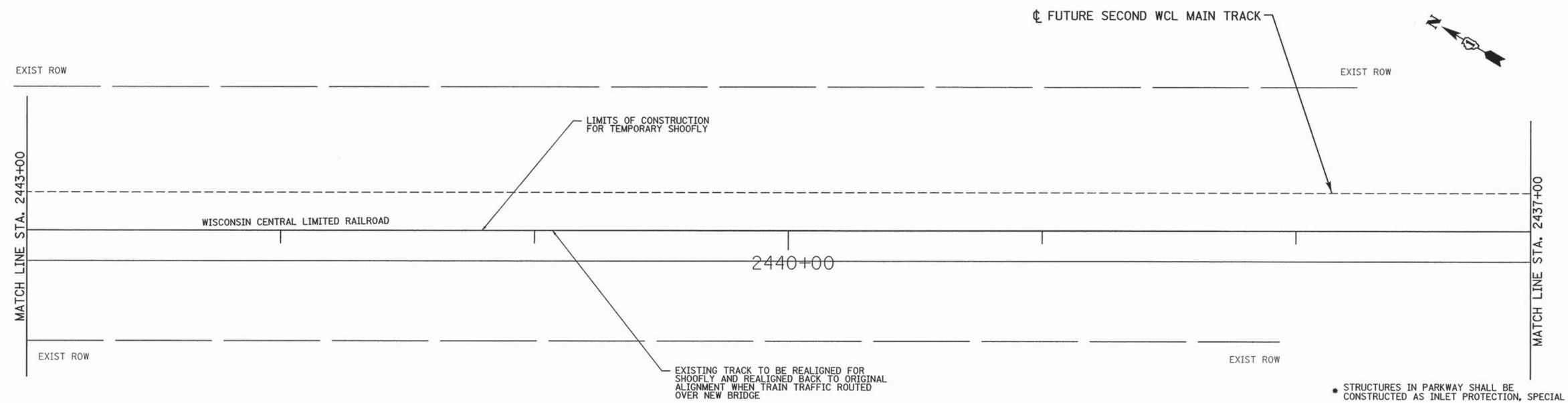
SCALE: 1"=20' | SHEET NO. ERO 16 OF 29 | STA. 2461+00 TO STA. 2449+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	85
				61A63

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



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



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

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- * PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

PENTABLE = $PENTBLA$

PATRICK ENGINEERING
PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2B

SCALE: 1"=20' | SHEET NO. ERO 17 OF 29 | STA. 2449+00 TO STA. 2437+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	86
				61A63

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

$FILE$

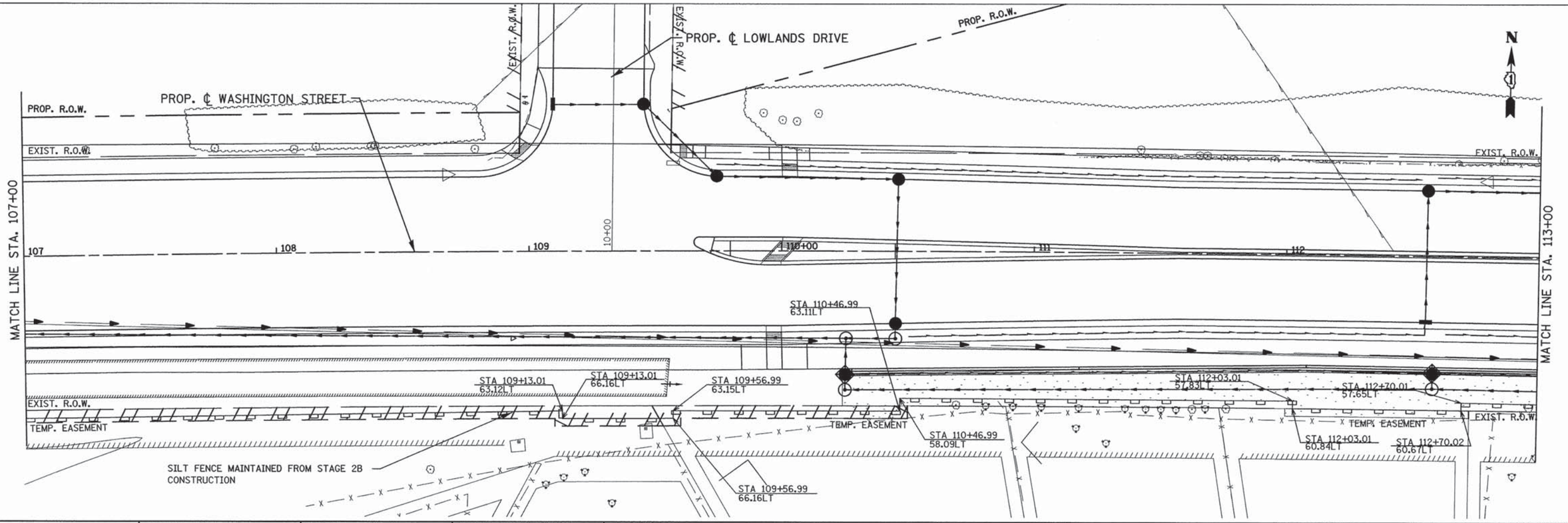
LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- * INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

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

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



PENTABLE = $PENTBLA$

$FILE$

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014
	PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -
	PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -
	PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2C AND STAGE 2D

SCALE: 1"=20' | SHEET NO. ERO 18 OF 29 | STA. 107+00 TO STA. 113+00

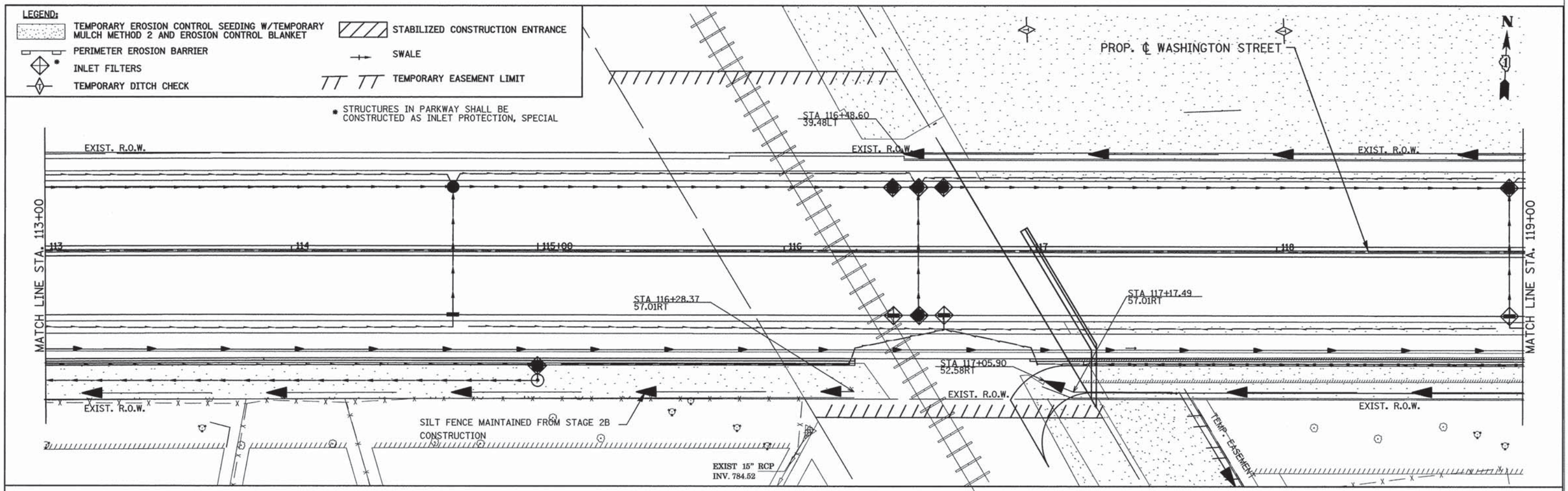
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	87
				61A63

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

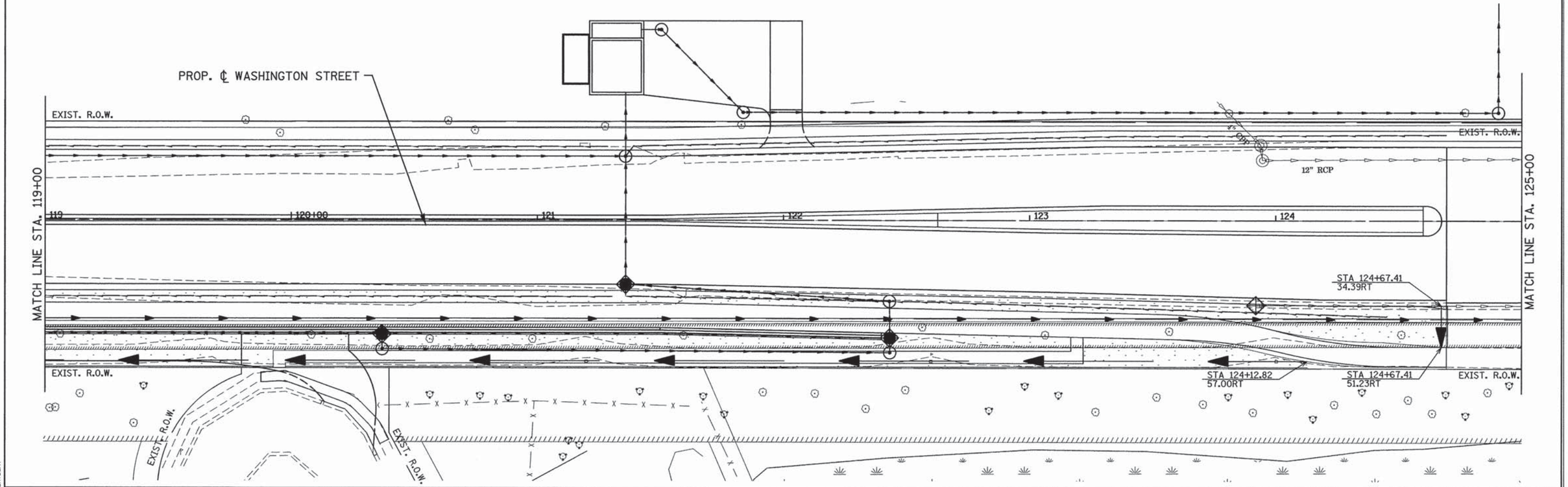
LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- * INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL



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



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

PATRICK ENGINEERING

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2C AND STAGE 2D

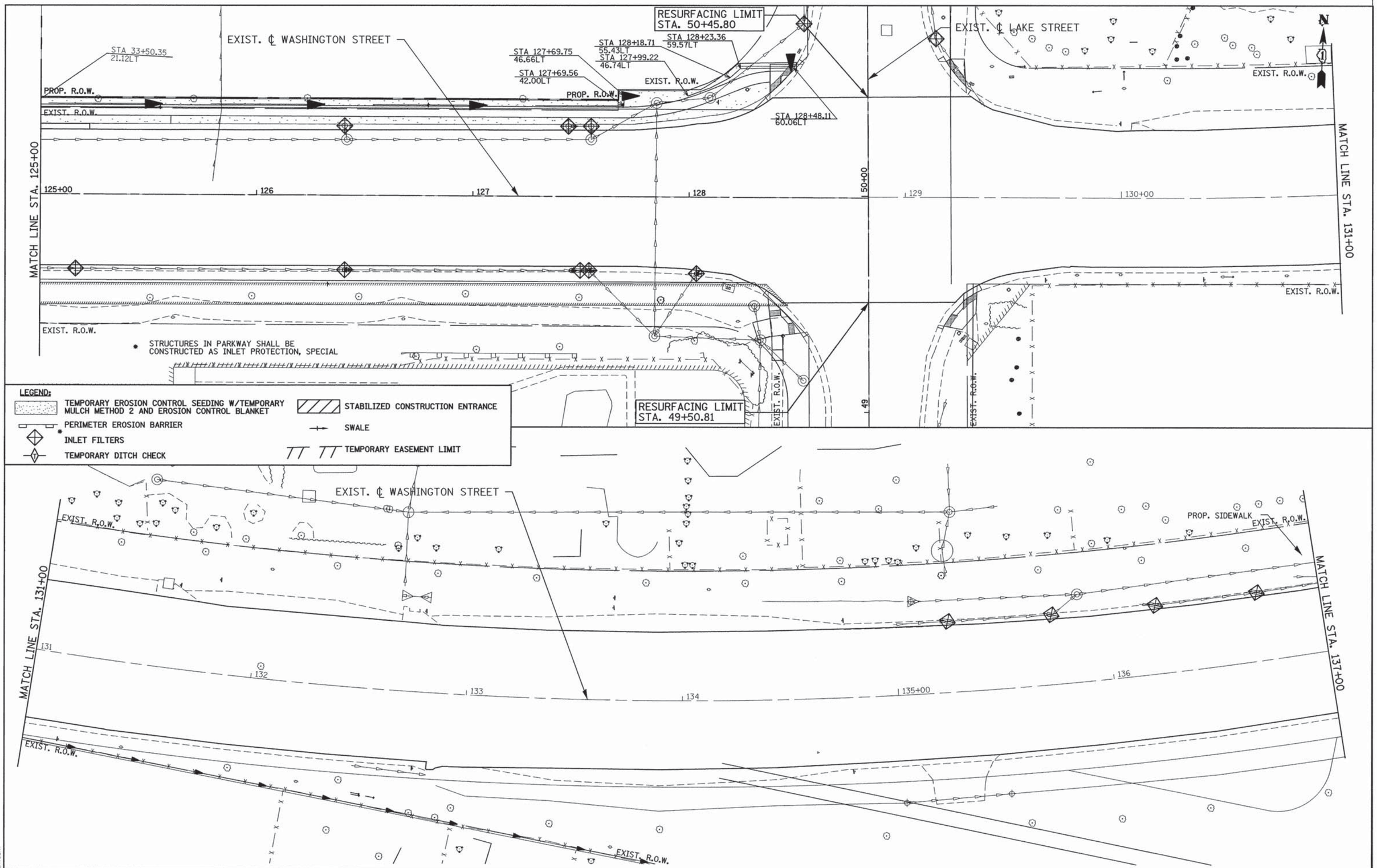
SCALE: 1"=20' | SHEET NO. ER0 19 OF 29 | STA. 113+00 TO STA. 125+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	88
				61A63

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

PENTABLE = $PENTBLA$

$FILE$



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

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

PENTABLE = $PENTBLA$

$FILE$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -

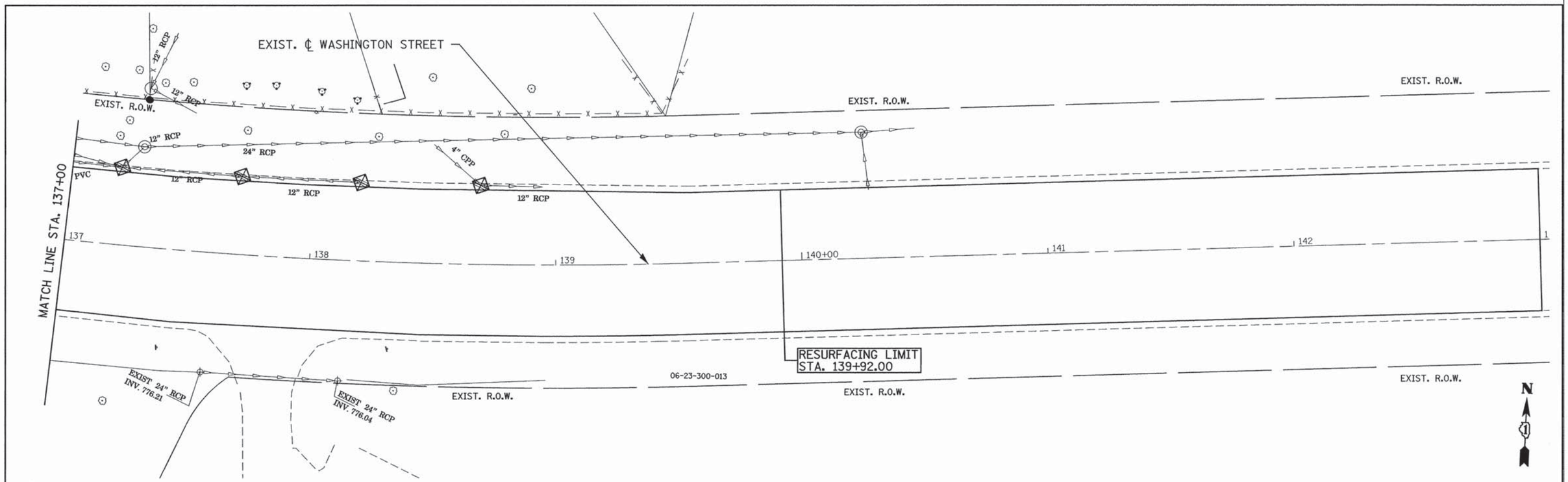
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2C AND STAGE 2D

SCALE: 1"=20' | SHEET NO. ERO 20 OF 29 | STA. 125+00 TO STA. 137+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	89
				61A63

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



LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

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

PROFILE		BY	DATE
NOTE BOOK NO. ____	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	BLM. NOTED		
	STRUCTURE NOTATNS CHKD		

PENTABLE = $PENTBLA$

$FILE$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com
PATRICK ENGINEERING

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

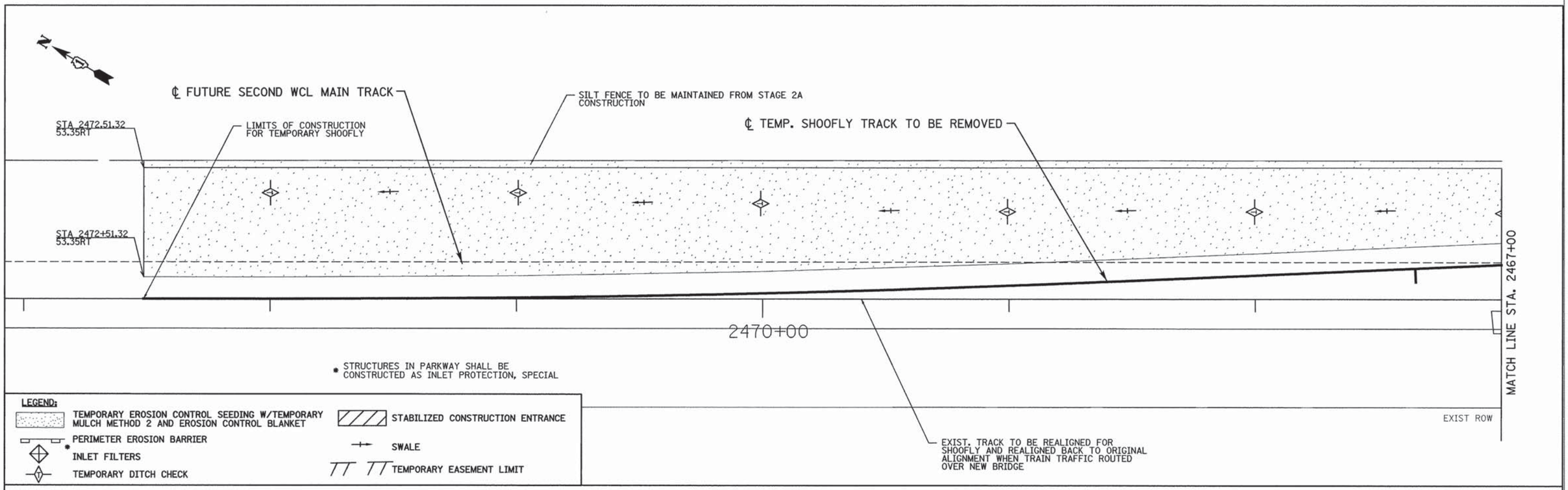
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

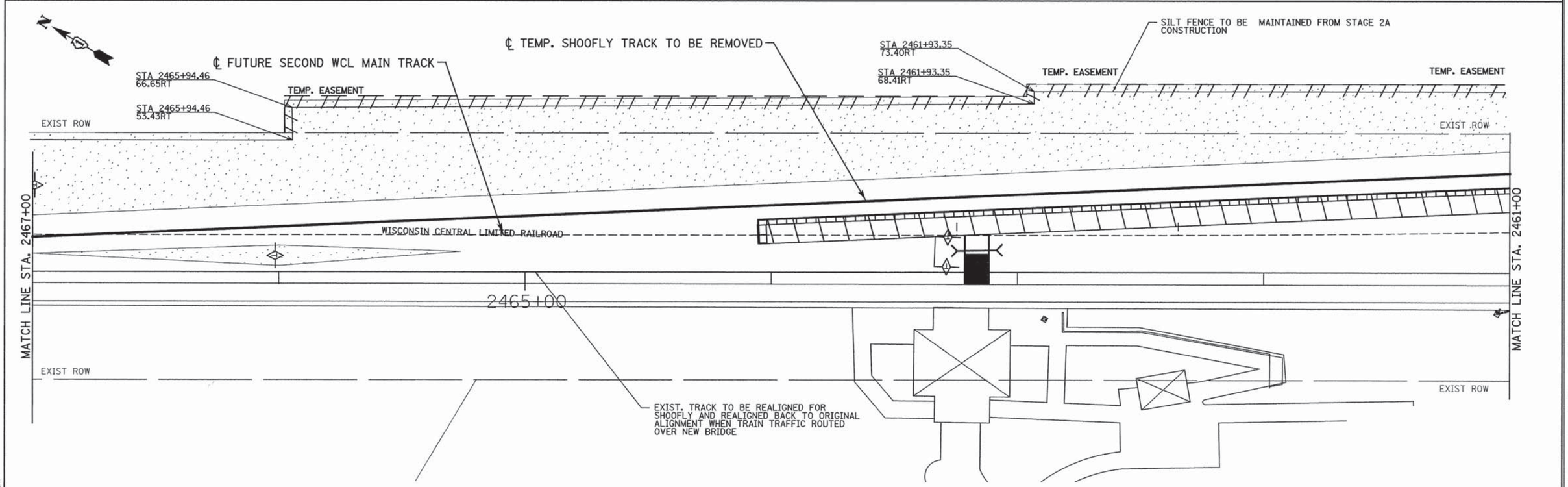
WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2C AND STAGE 2D

SCALE: 1"=20' | SHEET NO. ERO 21 OF 29 | STA. 137+00 TO STA. EOP

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	90
				61A63

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





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

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

PENTABLE = $PENTBLA$

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com
PATRICK ENGINEERING

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

$FILE$

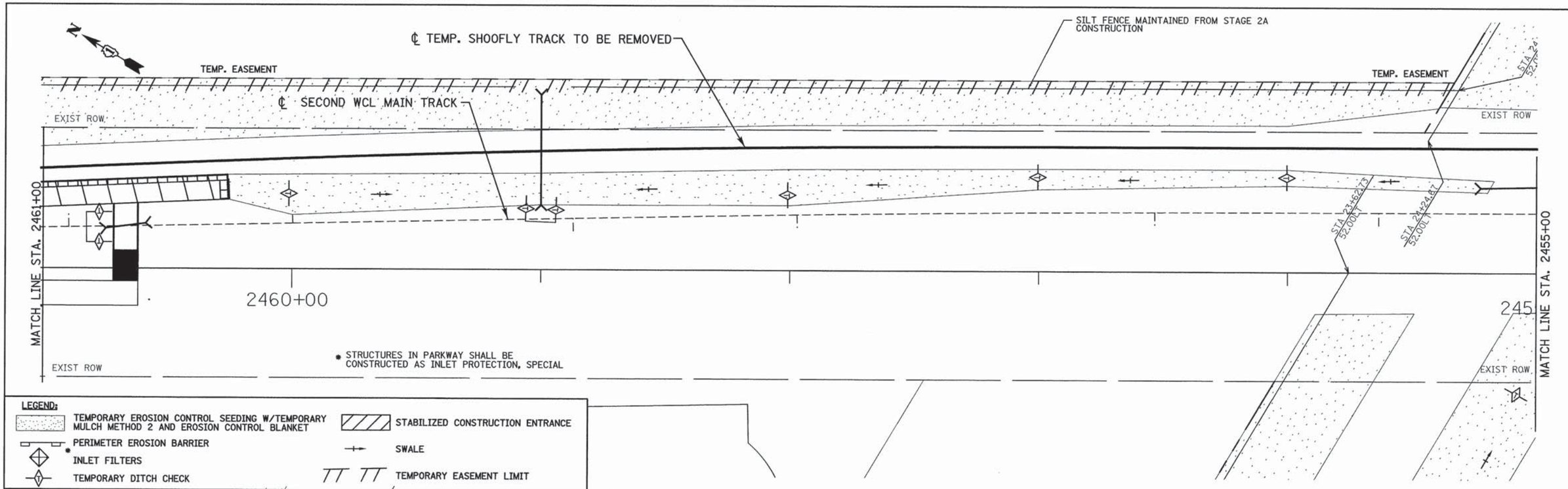
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

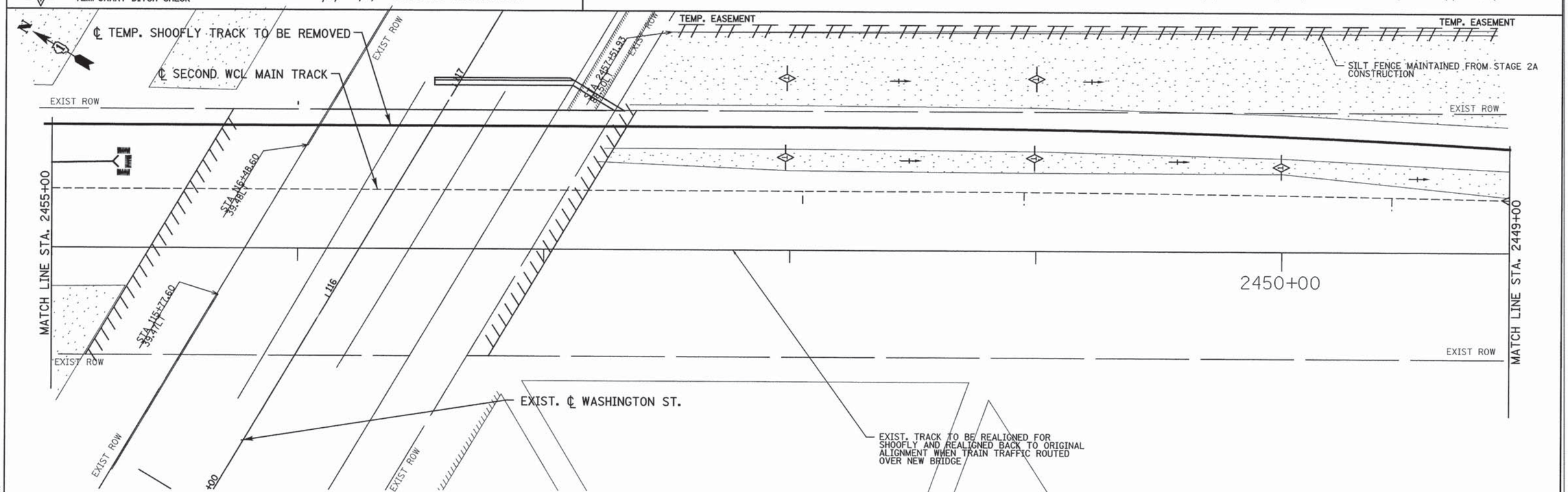
WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2C AND STAGE 2D

SCALE: 1"=20' | SHEET NO. ERO 22 OF 29 | STA. BOP TO STA. 2461+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	91
				61A63

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





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

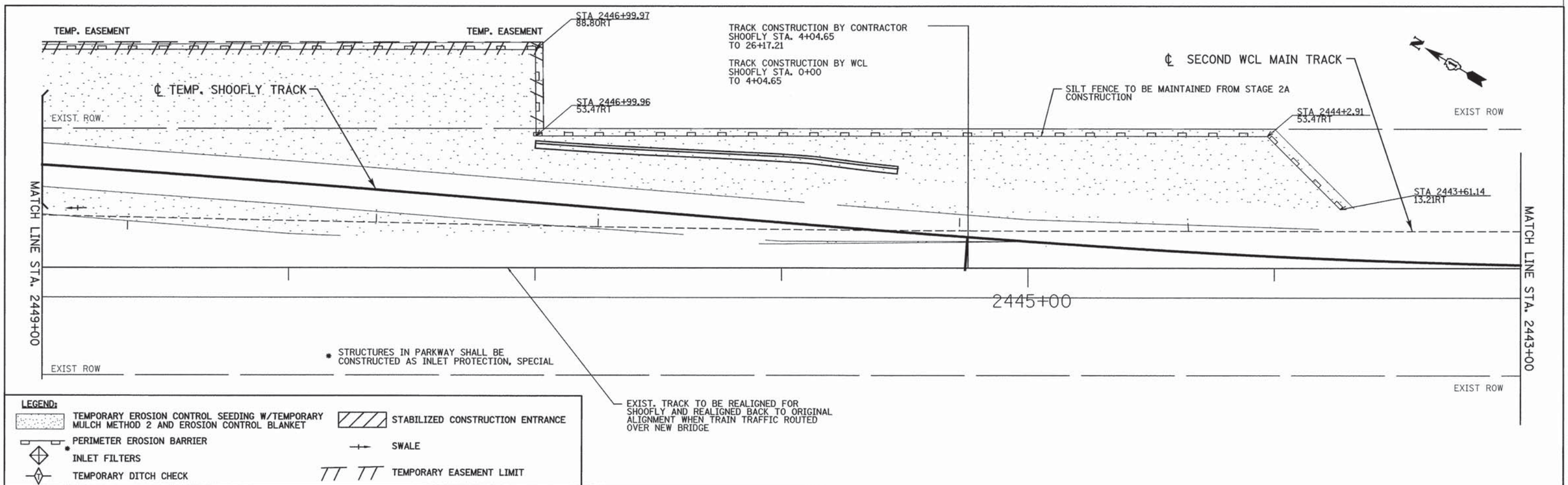
PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

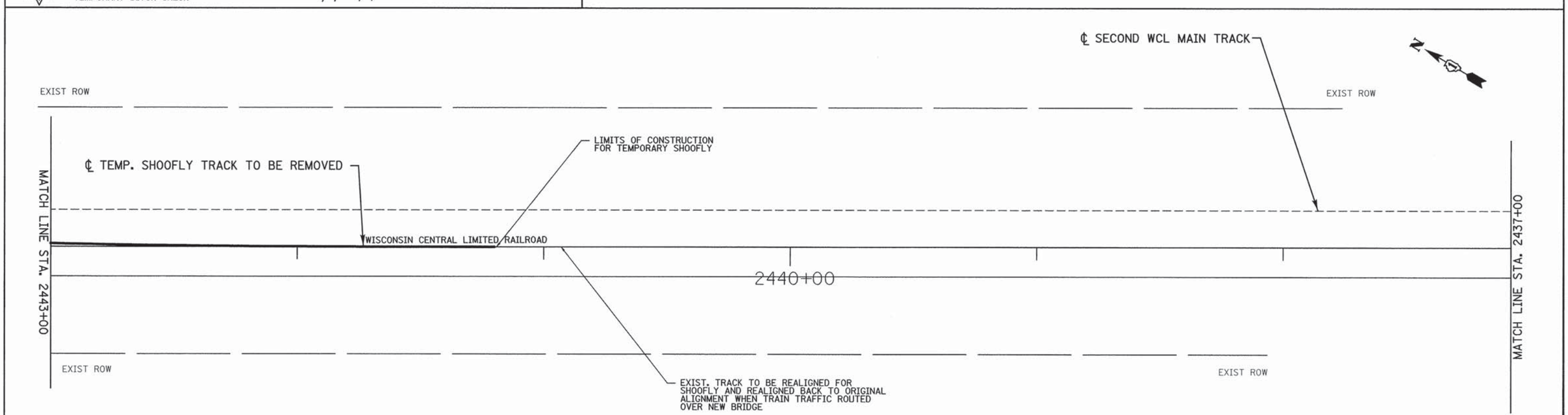
PENTABLE = $PENTBL$

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET EROSION AND SEDIMENT CONTROL PLAN STAGE 2C AND STAGE 2D	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -			187	11-00121-11-BR	LAKE	496	92
	PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -							61A63
	PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -		SCALE: 1"=20' / SHEET NO. ERO 23 OF 29 / STA. 2461+00 TO STA. 2449+00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PATRICK ENGINEERING

$FILE$





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

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

PENTABLE = $PENTBLA$

PATRICK ENGINEERING

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$	DESIGNED - JWM	REVISED - 10/7/2014	
PLOT CONFIG= $PLTDRVS$	DRAWN - JWM	REVISED -	
PLOT SCALE = $SCALESHORT$	CHECKED - EYC	REVISED -	
PLOT DATE = $DATE$ $TIME$	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 2C AND STAGE 2D

SCALE: 1"=20' | SHEET NO. ERO 24 OF 29 | STA. 2449+00 TO STA. 2437+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	93

61A63

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

$FILE$

PROP. R.O.W.
EXIST. R.O.W.
PROP. ℄ WASHINGTON STREET
STA 11+28.67
31.40LT
STA 11+26.97
23.65LT
TEMP. EASEMENT
MATCH LINE STA. 14+00
100+00
101
102
103
104
105+00
10+00
EXIST. ℄ HARYAN WAY
PROP. R.O.W.
EXIST. R.O.W.
18" RCP
18" RCP
EXIST. R.O.W.

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

STA 15+09.42
72.51LT
PROP. LOWLANDS DRIVE
STA 17+38.18
60.06LT
EXIST. R.O.W.
12
EXIST. R.O.W.
RECONSTRUCTION LIMIT
O/S = 172.29' LT
STA 17+97.96
58.42LT
EXIST. FIELD TILE TO BE CAPPED AND MAINTAINED DOWNSTREAM
TEMP. EASEMENT
TEMP. EASEMENT
MATCH LINE STA. 14+00
MATCH LINE STA. 20+00
ONLY
ONLY
11'
PROP. R.O.W.
PROP. R.O.W.
EXIST. R.O.W.
EXIST. R.O.W.
EXIST. R.O.W.

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

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	BLUE PLAT CHECKED		
	STRUCTURE NOTAYNS CHKD		

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen(Rdwy_Lisle)	DESIGNED - JWM	REVISED -	
PLOT CONFIG= PDF(Grey_Small).plt	DRAWN - JWM	REVISED -	
PLOT SCALE = 1:40	CHECKED - EYC	REVISED -	
PLOT DATE = 7/7/2014 2:19:50 PM	DATE - 6/30/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 3

SCALE: 1"=20' | SHEET NO. ERO 25 OF 29 | STA. BOP TO STA. 20+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	94
				61A63

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

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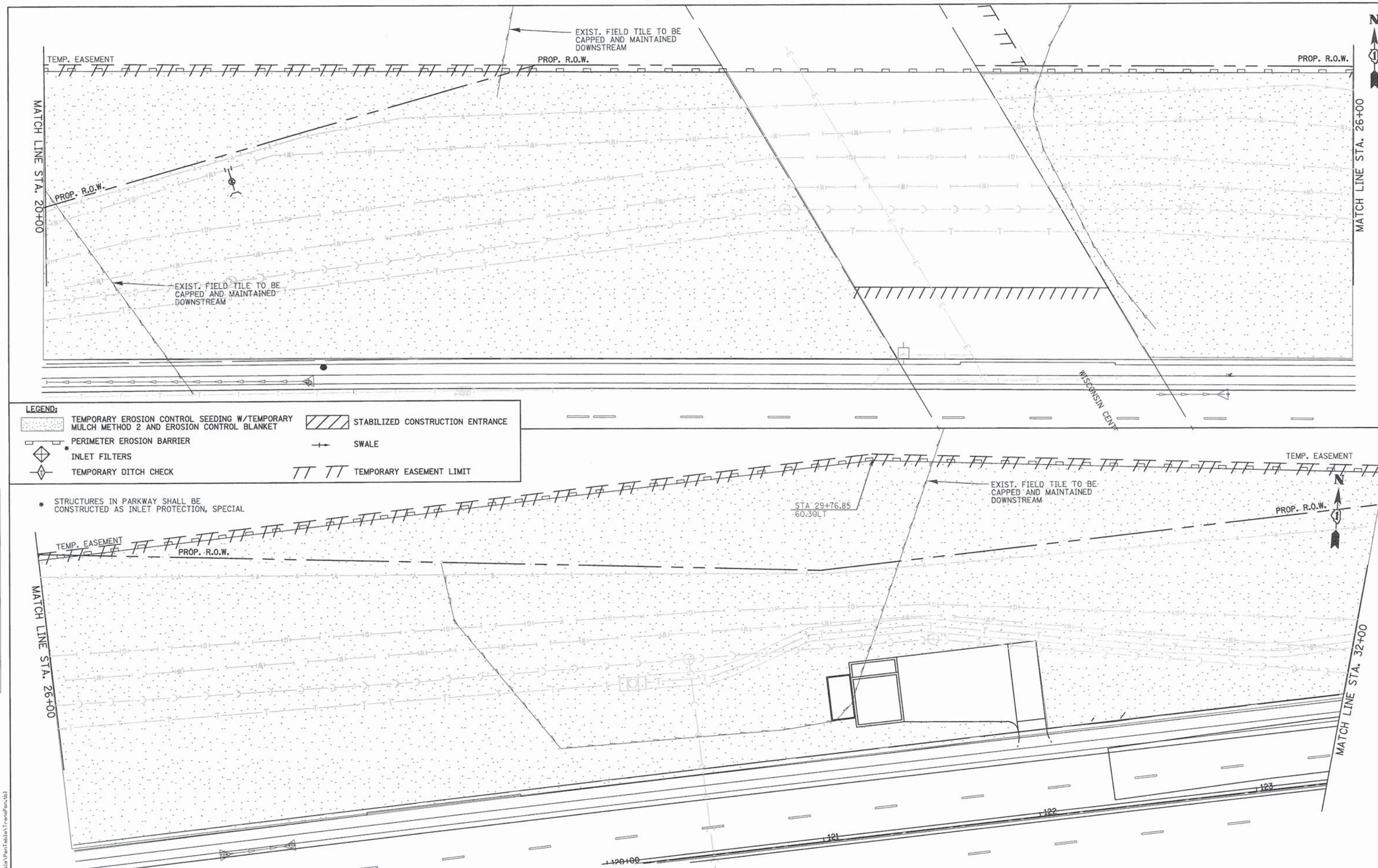

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.O.W. DETERMINED
CADD FILE NAME
NOTE BOOK NO.
BY
DATE

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

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen(Rdwy_Lisle)	DESIGNED - JWM	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 3

SCALE: 1"=20' | SHEET NO. ERO 26 OF 29 | STA. 20+00 TO STA. 32+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	95
				61A63

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

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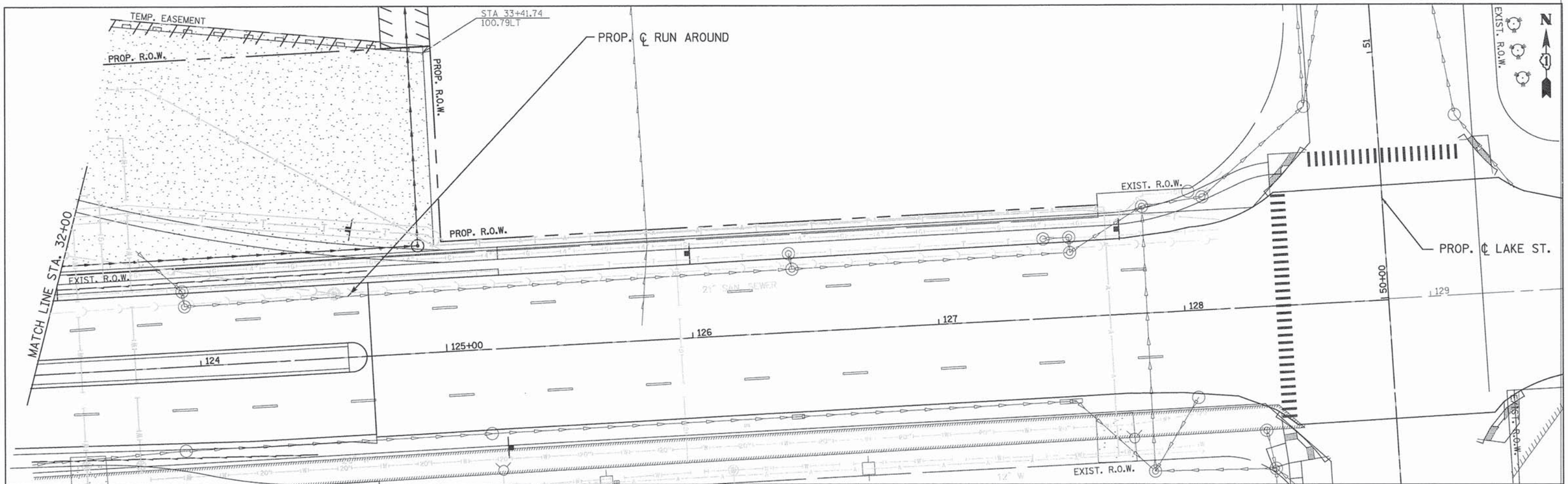

LEGEND:

- TEMPORARY EROSION CONTROL SEEDING W/TEMPORARY MULCH METHOD 2 AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER *
- INLET FILTERS
- TEMPORARY DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- SWALE
- TEMPORARY EASEMENT LIMIT

* STRUCTURES IN PARKWAY SHALL BE CONSTRUCTED AS INLET PROTECTION, SPECIAL

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

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

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen(Rdwy_Lisle)	DESIGNED - JWM	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
EROSION AND SEDIMENT CONTROL PLAN STAGE 3

SCALE: 1"=20' | SHEET NO. ERO 27 OF 29 | STA. 32+00 TO STA. EOP

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	96
				61A63

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

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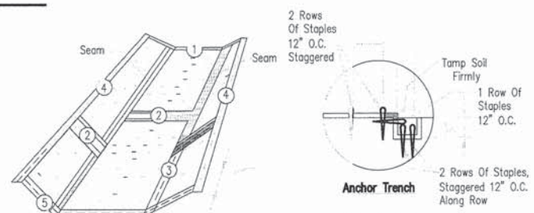
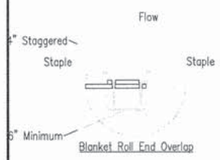


DETAIL 1



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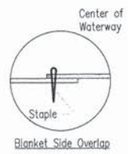

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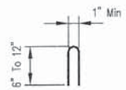


STAPLE DETAIL

TABLE 1. MINIMUM REQUIREMENTS FOR EROSION CONTROL BLANKET		
	Coconut Blanket	Wood Fiber Blanket
Type of Fiber	100% coconut fibers	100% curled wood fibers
Weight, lbs/sq. yd	0.50	0.63
Fiber Length	N/A	80% of fibers > 6 in.
Fiber Dimensions	N/A	0.021 in. x 0.042 in.
	Optional – Top and bottom of blanket may be covered with a max. 5/8" x 5/8" opening size netting, bound to the mat on max. 1.5" centers.	Optional – Top and bottom of blanket may be covered with a max. 5/8" x 5/8" opening size netting

lanket (ECB) over waterway: Waterway Width_____ft
ECB width _____ft
length _____ft
Sta. _____ to _____

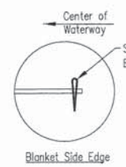
nket shall consist of a machine produced mat of curled wood or have an expected material life of a least 12 months, shall be al be furnished in rolls, and shall meet the minimum requirements ow.

stalling erosion control blanket, including seeding, fertilizing, and

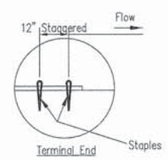
nket shall be placed in firm contact with the soil and not be r surface irregularities. The blanket shall not be stretched. ts by rolling center blanket in the direction of flow, centered on terway. There shall not be an overlap of blankets at the center of

nket shall be anchored, overlapped, and stapled according to manufacturer's instructions. If no manufacturer's instructions are available, install the blanket as follows:

a. Staples shall be "U" shaped, 0.12 in diameter wire or greater (#11 gauge). See Staple Detail for dimensions.
b. Bury upstream end of blanket in a trench 6 inch wide by 6 inch deep and stapled in staggered rows across the width as shown in Detail 1.
c. For joining ends of rolls, overlap end of upslope blanket a minimum of 6 inches over downslope blanket (shingle style). Use a double row of staggered staples 4 inches apart, as shown in Detail 2.
d. Blankets on side slopes shall overlap a minimum 6 inches over the blanket below (shingle style). Staple overlap at 12 inch intervals. See Detail 3.
e. The outer edge along sides of the blanket shall be stapled every 12 inches. See Detail 4.
f. Staples are to be placed alternately in columns (in the direction of the waterway) 2 feet apart and in rows (across the waterway) 3 feet apart, throughout the area covered by erosion blanket.
g. Downstream (termina) end of blanket shall be stapled with a double row of staggered staples 12 inches apart. See Detail 5.



DETAIL 4



DETAIL 5

Not To Scale

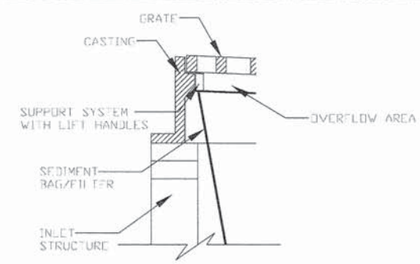
Date 3/10
Designed M. QUINONES
Drawn
Checked
Approved

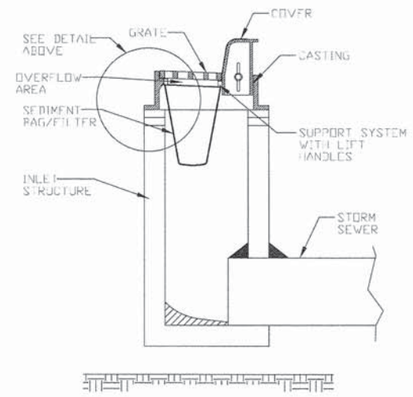
EROSION BLANKET INSTALLATION DETAILS

NRCS Natural Resources Conservation Service United States Department of Agriculture

File No. IL ENG-61
Drawing No.
Sheet 1 of 1

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION



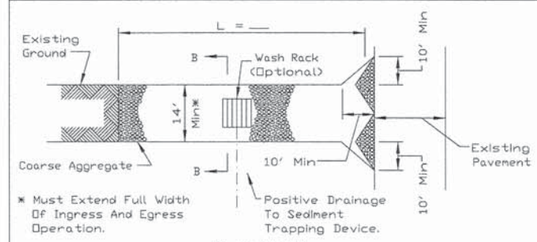


REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

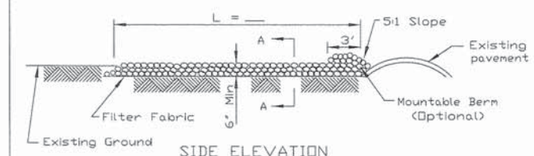
STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

INLET FILTER

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

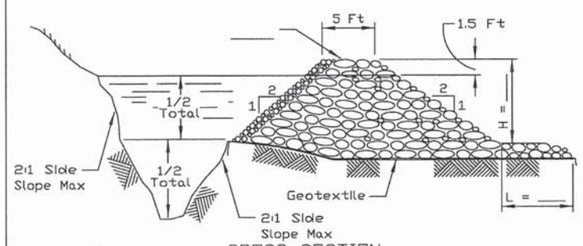
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

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

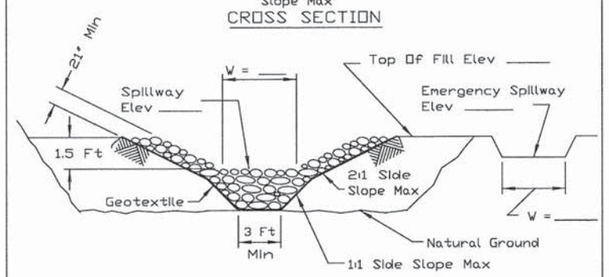
NRCS Natural Resources Conservation Service

STANDARD DWG. NO.
IL-630
SHEET 1 OF 2
DATE 8-18-94

TEMPORARY SEDIMENT TRAP



CROSS SECTION

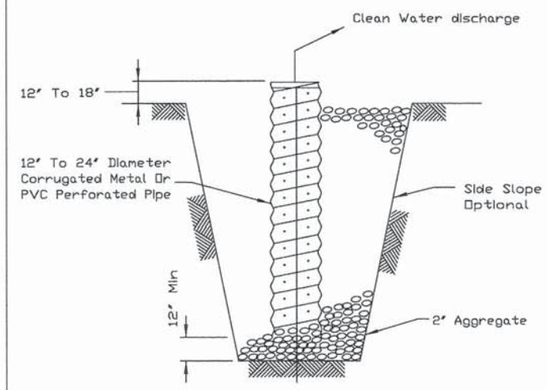


STONE SECTION

NOTES:
1. If the sediment pool is formed or enlarged the side slope will be 2:1 or flatter.
2. The fill shall be constructed using IDOT RR-4 stone size. A 1'layer of IDOT CA-2 should be placed on the inside face to reduce the flow rate.
3. The rock will be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III.
4. The geotextile shall meet the requirements in material specification 592 GEOTEXTILE table 1 or 2, class I, II or IV.

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-660
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 11-20-01
Approved ____ Date ____		

SUMP PIT PLAN

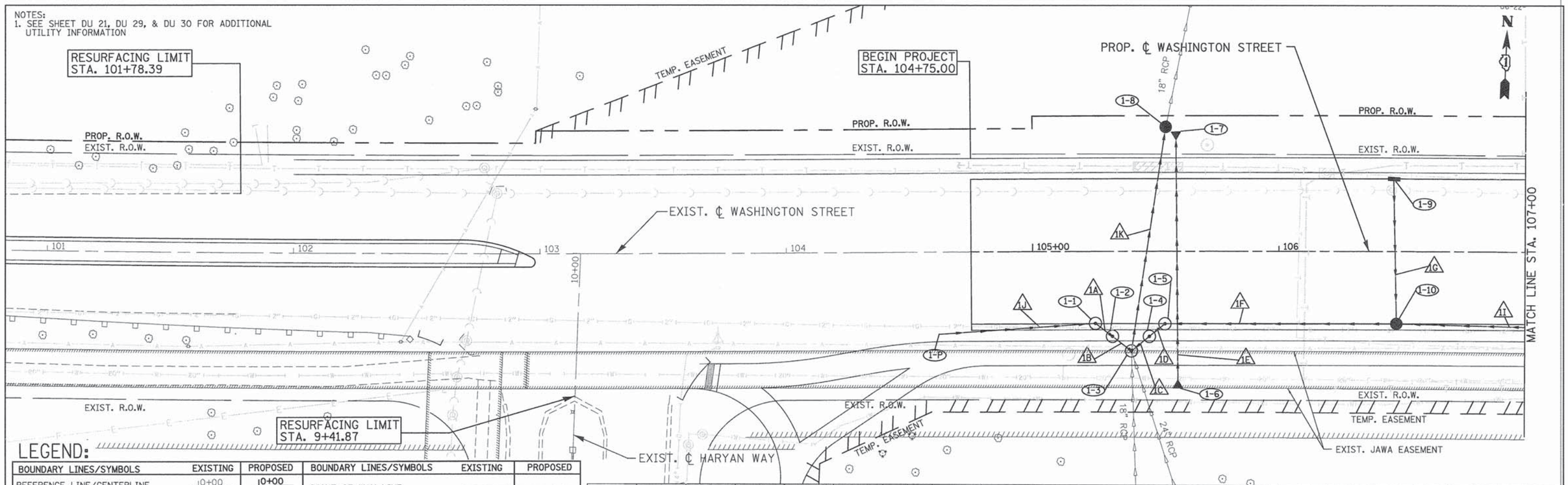


SECTION

NOTES:
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-650
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 8-11-94
Approved ____ Date ____		

NOTES:
1. SEE SHEET DU 21, DU 29, & DU 30 FOR ADDITIONAL UTILITY INFORMATION



LEGEND:

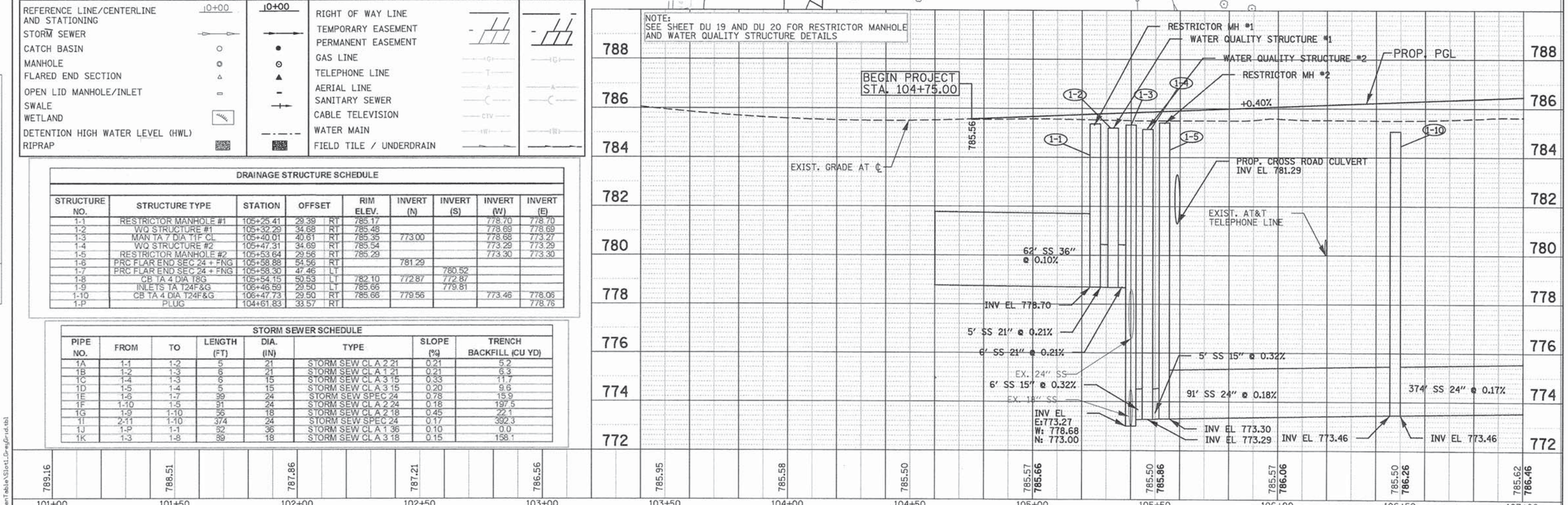
BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED	BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED
REFERENCE LINE/CENTERLINE AND STATIONING	10+00	10+00	RIGHT OF WAY LINE		
STORM SEWER			TEMPORARY EASEMENT		
CATCH BASIN			PERMANENT EASEMENT		
MANHOLE			GAS LINE		
FLARED END SECTION			TELEPHONE LINE		
OPEN LID MANHOLE/INLET			AERIAL LINE		
SWALE			SANITARY SEWER		
WETLAND			CABLE TELEVISION		
DETENTION HIGH WATER LEVEL (HWL)			WATER MAIN		
RIPRAP			FIELD TILE / UNDERDRAIN		

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET		RIM ELEV.	INVERT (N)	INVERT (S)	INVERT (W)	INVERT (E)
1-1	RESTRICTOR MANHOLE #1	105+25.41	29.39	RT	785.17			778.70	778.70
1-2	WQ STRUCTURE #1	105+32.29	34.68	RT	785.48			778.69	778.69
1-3	MAN TA 7 DIA T1F CL	105+40.01	40.61	RT	785.35	773.00		778.68	773.27
1-4	WQ STRUCTURE #2	105+47.31	34.69	RT	785.54			773.29	773.29
1-5	RESTRICTOR MANHOLE #2	105+53.64	29.56	RT	785.29			773.30	773.30
1-6	PRC FLAR END SEC 24 + FNG	105+58.88	54.56	RT		781.29			
1-7	PRC FLAR END SEC 24 + FNG	105+58.30	47.46	LT			780.52		
1-8	CB TA 4 DIA T8G	105+54.15	50.53	LT	782.10	772.87	772.87		
1-9	INLETS TA T24F&G	106+46.59	29.50	LT	785.65		779.81		
1-10	CB TA 4 DIA T24F&G	106+47.73	29.50	RT	785.66	779.56		773.46	778.06
1-P	PLUG	104+61.83	33.57	RT					778.76

STORM SEWER SCHEDULE

PIPE NO.	FROM	TO	LENGTH (FT)	DIA. (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CU YD)
1A	1-1	1-2	5	21	STORM SEW CL A 2 21	0.21	5.2
1B	1-2	1-3	6	21	STORM SEW CL A 1 21	0.21	6.3
1C	1-4	1-3	6	15	STORM SEW CL A 3 15	0.33	11.7
1D	1-5	1-4	5	15	STORM SEW CL A 3 15	0.20	9.6
1E	1-6	1-7	39	24	STORM SEW SPEC 24	0.78	15.9
1F	1-10	1-5	91	24	STORM SEW CL A 2 24	0.18	197.5
1G	1-9	1-10	56	18	STORM SEW CL A 2 18	0.45	22.1
1I	2-11	1-10	374	24	STORM SEW SPEC 24	0.17	392.3
1J	1-P	1-1	52	36	STORM SEW CL A 1 36	0.10	0.0
1K	1-3	1-8	89	18	STORM SEW CL A 3 18	0.15	158.1



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. DU 1 OF 37 | STA. BOP | TO STA. 107+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	99

61A63

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

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

PROFILE: NOTE BOOK NO. | SURVEYED | PLOTTED | GRADES CHECKED | ALIGNMENT | STRUCTURE NO(S)/ATR'S CHKD | BY | DATE

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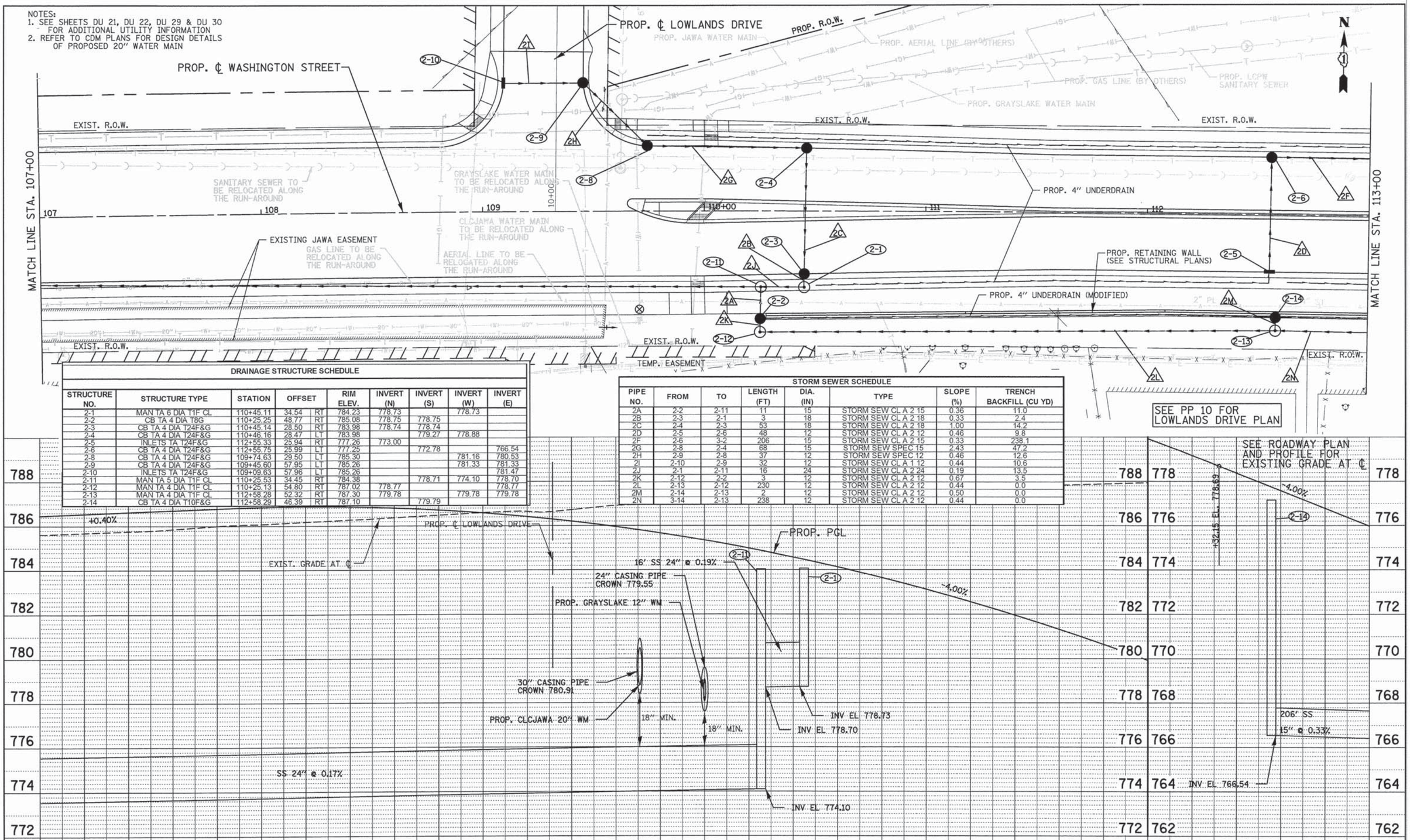
NOTES:
1. SEE SHEETS DU 21, DU 22, DU 29 & DU 30 FOR ADDITIONAL UTILITY INFORMATION
2. REFER TO CDM PLANS FOR DESIGN DETAILS OF PROPOSED 20" WATER MAIN



DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET		RIM ELEV.	INVERT (N)	INVERT (S)	INVERT (W)	INVERT (E)
2-1	MAN TA 6 DIA T1F CL	110+45.11	34.54	RT	784.23	778.73		778.73	
2-2	CB TA 4 DIA T8G	110+25.25	48.77	RT	785.08	778.75	778.75		
2-3	CB TA 4 DIA T24F&G	110+45.14	28.50	RT	783.98	778.74	778.74		
2-4	CB TA 4 DIA T24F&G	110+46.16	28.47	LT	783.98		779.27	778.88	
2-5	INLETS TA T24F&G	112+55.33	25.94	RT	777.26	773.00			
2-6	CB TA 4 DIA T24F&G	112+55.75	25.99	LT	777.25		772.78		766.54
2-8	CB TA 4 DIA T24F&G	109+74.63	29.50	LT	785.30			781.16	780.53
2-9	CB TA 4 DIA T24F&G	109+45.60	57.95	LT	785.26			781.33	781.33
2-10	INLETS TA T24F&G	109+09.63	57.96	LT	785.26				781.47
2-11	MAN TA 5 DIA T1F CL	110+25.53	34.45	RT	784.38		778.71	774.10	778.70
2-12	MAN TA 4 DIA T1F CL	110+25.13	54.80	RT	787.02	778.77			778.77
2-13	MAN TA 4 DIA T1F CL	112+58.28	52.32	RT	787.30	779.78		779.78	779.78
2-14	CB TA 4 DIA T10F&G	112+58.29	46.39	RT	787.10		779.79		

STORM SEWER SCHEDULE

PIPE NO.	FROM	TO	LENGTH (FT)	DIA. (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CU YD)
2A	2-2	2-11	11	15	STORM SEW CL A 2 15	0.36	11.0
2B	2-3	2-1	3	18	STORM SEW CL A 2 18	0.33	2.4
2C	2-4	2-3	53	18	STORM SEW CL A 2 18	1.00	14.2
2D	2-5	2-6	48	12	STORM SEW CL A 2 12	0.46	9.8
2F	2-6	3-2	206	15	STORM SEW CL A 2 15	0.33	238.1
2G	2-8	2-4	68	15	STORM SEW SPEC 15	2.43	47.2
2H	2-9	2-8	37	12	STORM SEW SPEC 12	0.46	12.6
2I	2-10	2-9	32	12	STORM SEW CL A 1 12	0.44	10.6
2J	2-1	2-11	16	24	STORM SEW CL A 2 24	0.19	13.5
2K	2-12	2-2	3	12	STORM SEW CL A 2 12	0.67	3.5
2L	2-13	2-12	230	12	STORM SEW CL A 2 12	0.44	0.0
2M	2-14	2-13	2	12	STORM SEW CL A 2 12	0.50	0.0
2N	3-14	2-13	238	12	STORM SEW CL A 2 12	0.44	0.0

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
R.O.W. CHECKED		
NOTE BOOK		
NO.	CADD FILE NAME	

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

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4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET FROM HARYAN WAY TO LAKE STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. DU 2 OF 37 | STA. 107+00 | TO STA. 113+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
187	11-00121-11-BR	LAKE	496	100

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

61A63

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