

FOR FUNCTIONAL CLASSIFICATIONS, SEE SHEET NO. 2

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 3

290503R STRIP MINE ROAD

PROJECT LOCATED IN THE CITY OF WILMINGTON

290505E COAL CITY ROAD

PROJECT LOCATED IN THE TOWN OF WILMINGTON & UNINCORPORATED CUSTER TOWNSHIP

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP 846 (IL 53)

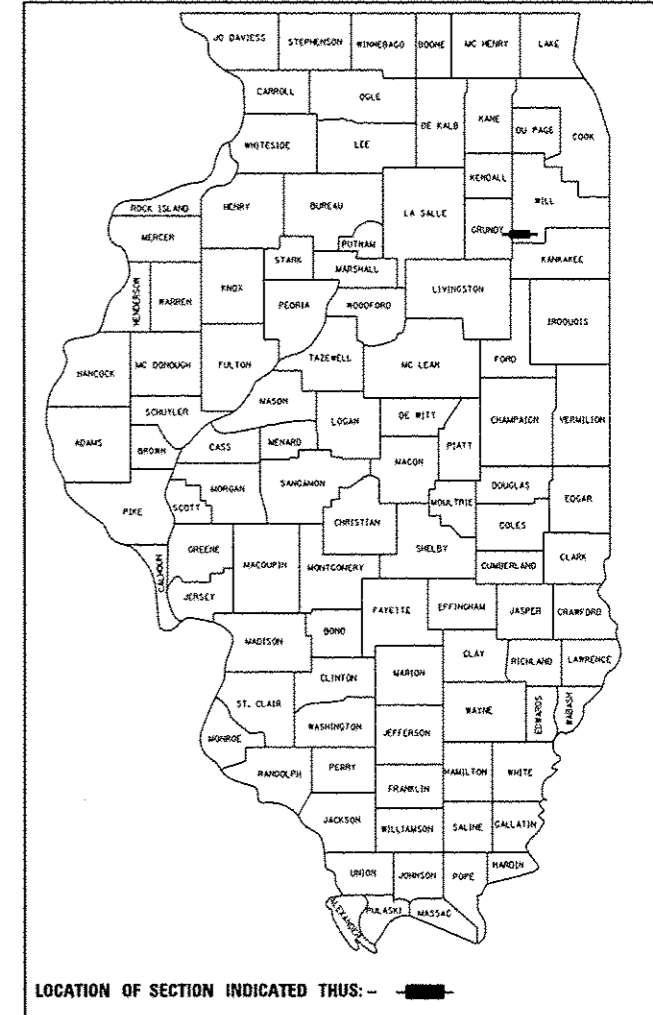
SECTION: D1HSRR2016-02&03

1. AT STRIP MINE RD & UNION PACIFIC RR (HIGH SPEED RAIL)
  2. AT COAL CITY RD & UNION PACIFIC RR (HIGH SPEED RAIL)
- PROJECT: HSR-0846(026)

INTERSECTION IMPROVEMENT & TRAFFIC SIGNAL INSTALLATION  
WILL COUNTY  
C-91-015-16

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	D1HSRR2016-02&03	WILL	580	1
ILLINOIS			CONTRACT NO. 62B33	

D-91-015-16 DOT#290503R DOT#290505E  
MP 53.42 MP 54.85



BEGIN PROJECT  
STRIP MINE RD.  
STA. 56 + 00.00

END PROJECT  
IL ROUTE 53  
STA. 110 + 40.00

BEGIN PROJECT  
IL ROUTE 53  
STA. 99 + 20.00

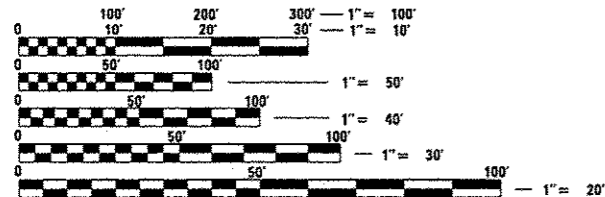
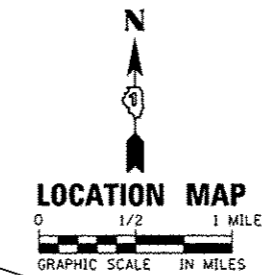
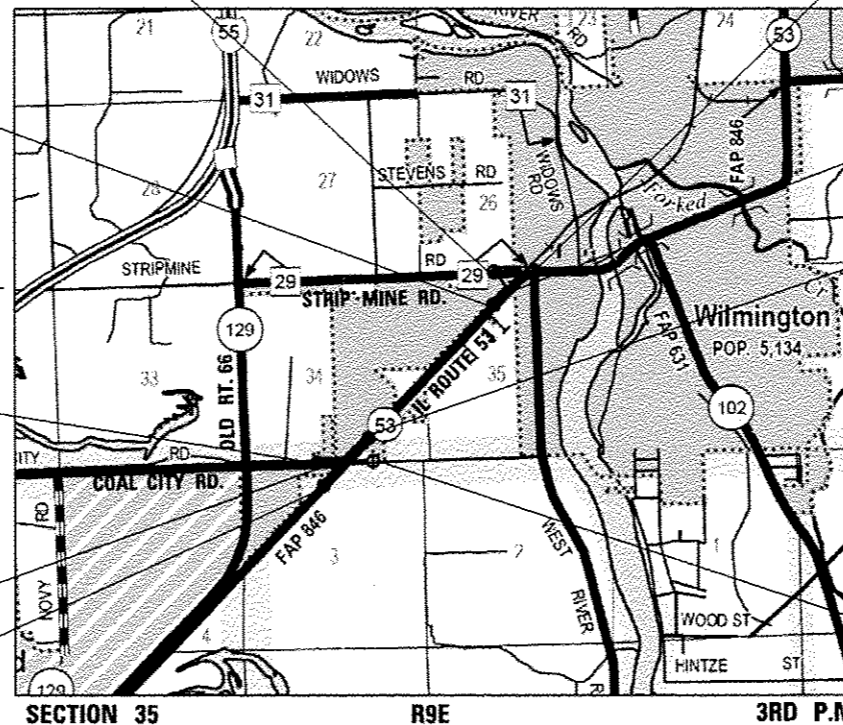
END PROJECT  
STRIP MINE RD.  
STA. 59 + 00.20

END PROJECT  
IL ROUTE 53  
STA. 40 + 83.62

BEGIN PROJECT  
COAL CITY ROAD  
STA. 103 + 24.55

RAILROAD OMISSION  
COAL CITY RD.  
STA. 106 + 62.93 TO  
STA. 106 + 97.25

BEGIN PROJECT  
IL ROUTE 53  
STA. 11 + 12.18



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

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

PROJECT ENGINEER: ANDY E. RABADI (847)705-4256  
PROJECT MANAGER: JOSE A. DOMINGUEZ (847)705-4385  
CONTRACT NO. 62B33

**AECOM**  
AECOM Technical Services, Inc.  
1555 N Rivercenter Drive, Suite 214  
MILWAUKEE, WISCONSIN 53212  
(414) 944-6080



*Nicholas J. Becker*  
NICHOLAS J. BECKER, PE  
LICENSE NO.: 062-066299  
EXPIRES: NOVEMBER 30, 2017  
DATE: 02-05-2016

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *February 11, 2016*

*John Fontana*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*Mary Jo Addis*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Chris Osmer*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

290503R

AT STRIP MINE RD & UNION PACIFIC RR

**FUNCTIONAL CLASSIFICATION**  
 SOUTH LEG: URBAN OTHER PRINCIPAL ARTERIAL (IL ROUTE 53)  
 2013 ADT = 5100 (2035 ADT = 7900)  
 P.V. = 95% S.U. = 2% M.U. = 3%  
 DESIGN SPEED: 35 MPH POSTED SPEED: 35 MPH

NORTH LEG: URBAN PRINCIPAL ARTERIAL (IL ROUTE 53)  
 2013 ADT = 7600 (2035 ADT = 11,700)  
 P.V. = 97% S.U. = 1% M.U. = 2%  
 DESIGN SPEED: 35 MPH POSTED SPEED: 35 MPH

WEST LEG: URBAN LOCAL ROAD (STRIP MINE ROAD)  
 2013 ADT = 3000 (2035 ADT = 4600)  
 P.V. = NA S.U. = NA M.U. = NA  
 DESIGN SPEED: 30 MPH POSTED SPEED: 30 MPH

	NET LENGTH	GROSS LENGTH
IL ROUTE 53	1,120.00 FT (0.212 MI)	1,120.00 FT (0.212 MI)
STRIP MINE ROAD (CH 29)	300.20 FT (0.057 MI)	300.20 FT (0.057 MI)
<b>PROJECT TOTAL</b>	<b>1,420.20 FT (0.269 MI)</b>	<b>1,420.20 FT (0.269 MI)</b>

290505E

AT COAL CITY RD & UNION PACIFIC RR

**FUNCTIONAL CLASSIFICATION**  
 SOUTH LEG: URBAN MINOR ARTERIAL (IL ROUTE 53)  
 2014 ADT = 2820 (2035 ADT = 4400)  
 P.V. = 96% S.U. = 1% M.U. = 3%

NORTH LEG: URBAN PRINCIPAL ARTERIAL (IL ROUTE 53)  
 2014 ADT = 4780 (2035 ADT = 7400)  
 P.V. = 96% S.U. = 0% M.U. = 4%  
 DESIGN SPEED = 60 MPH, POSTED SPEED = 55 MPH

WEST LEG: URBAN MINOR ARTERIAL (COAL CITY ROAD)  
 2014 ADT = 2770 (2035 ADT = 4300)  
 P.V. = 92% S.U. = 1% M.U. = 7%  
 DESIGN SPEED = 45 MPH, POSTED SPEED = 45 MPH

EAST LEG: RURAL LOCAL ROAD (COAL CITY ROAD)  
 2014 ADT = 160 (2035 ADT = 200)  
 P.V. = 88% S.U. = 0% M.U. = 12%  
 DESIGN SPEED = 40 MPH, POSTED SPEED = NOT POSTED

	NET LENGTH	GROSS LENGTH
COAL CITY ROAD	998.61 FT (0.189 MI)	1,032.93 FT (0.195 MI)
IL ROUTE 53	2,971.44 FT (0.563 MI)	2,971.44 FT (0.563 MI)
<b>PROJECT TOTAL</b>	<b>3,970.05 FT (0.752 MI)</b>	<b>4,004.37 FT (0.758 MI)</b>

FILE NAME: \\p:\working\2016\becker\transportation\290503R\290503R.dwg



USER NAME * nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE * 40.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE * 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY INFORMATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
046	DIHSRR2016-02&03	WILL	580	2
CONTRACT NO. 62833			ILLINOIS FED. AID PROJECT	

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	325	(BD-3) OUTLET FOR CONCRETE CURB AND GUTTER
	326	(BD-7) STORM SEWER CONNECTION TO EXISTING SEWER
	327	(BD-24) CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
	328	(BD-32) BUTT JOINTS AND HMA TAPER
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000001	- 06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006		DECIMAL OF AN INCH AND OF A FOOT
280001	- 07	TEMPORARY EROSION CONTROL SYSTEMS
420701	- 03	PAVEMENT FABRIC
482001	- 02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011	- 03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542001	- 06	CONCRETE END SECTIONS FOR PIPE CULVERTS, 15" THRU 84" DIAMETER
542301	- 03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001	- 05	SUB-SURFACE DRAINS
602601	- 04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
606001	- 06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301	- 04	PC CONCRETE ISLANDS AND MEDIANS
635001	- 02	DELINEATORS
666001	- 01	RIGHT OF WAY MARKERS
667101	- 02	PERMANENT SURVEY MARKERS
701001	- 02	OFF ROAD MOVING OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006	- 05	OFF ROAD MOVING OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011	- 04	OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701106	- 02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201	- 04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701301	- 04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306	- 03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701311	- 03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701326	- 04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701336	- 06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701501	- 06	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701701	- 10	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
701801	- 06	SIDEWALK, CORNER, OR CROSS WALK CLOSURE
701901	- 05	TRAFFIC CONTROL DEVICES
704001	- 08	TEMPORARY CONCRETE BARRIER
720001	- 01	SIGN PANEL MOUNTING DETAILS
720006	- 04	SIGN PANEL ERECTION DETAILS
720011	- 01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001		OBJECT AND TERMINAL MARKERS
728001	- 01	TELESCOPING STEEL SIGN SUPPORT
729001	- 01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001	- 05	TYPICAL PAVEMENT MARKINGS
782001	- 01	PRISMATIC CURB REFLECTORS
782006		GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001	- 03	HANDHOLES
814006	- 02	DOUBLE HANDHOLES
857001	- 01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
857006	- 01	SUPERVISED RAILROAD INTERCONNECT CIRCUIT
862001	- 01	UNITERRUPTABLE POWER SUPPLY (UPS)
873001	- 02	TRAFFIC SIGNAL GROUNDING & BONDING
877001	- 06	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002	- 03	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
877006	- 05	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
878001	- 10	CONCRETE FOUNDATION DETAILS
880006	- 01	TRAFFIC SIGNAL MOUNTING DETAILS
886001	- 01	DETECTOR LOOP INSTALLATIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS, GENERAL  
NOTES, INDEX OF SHEETS, AND COMMITMENTS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DHSRR2016-02&03	WILL	580	3
			CONTRACT NO. 62833	
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

FILE NAME: c:\pwworking\erin.swanson\project\290505E\290505E-02833-01.dwg



USER NAME: Erin.Swanson  
PLOT SCALE: 40,0000 "/>

DESIGNED - JLM  
DRAWN - BWL, EKS  
CHECKED - NJB  
DATE - 02/05/2016

REVISED -  
REVISED -  
REVISED -  
REVISED -

**GENERAL NOTES**

1. THE CONTRACTOR SHALL DEVELOP A PLAN TO ACCOMPLISH THIS WORK AND MINIMIZE DISRUPTION OF ACCESS. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
3. BENCHMARKS FOR THE PROJECT ARE DESCRIBED IN THE PLANS AND ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). ALL BEARINGS AND COORDINATES REFERENCED IN THE PLAN DRAWINGS AND ALL CONTROL COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83.
4. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. REDUCED SIZED PLANS CAN BE PRINTED TO SCALE FOR USE IN THE FIELD.
5. THE CONTRACTOR SHALL KEEP EXISTING ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN SAID PAVEMENTS ON A DAILY BASIS OR WHEN DIRECTED BY THE ENGINEER. NO EXTRA COMPENSATION SHALL BE ALLOWED THE CONTRACTOR FOR THIS WORK.
6. 10-FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE ITEM OF WORK SPECIFIED.
7. THE CONTRACTOR SHALL MAKE FULL DEPTH SAW CUTS REQUIRED FOR THE REMOVAL OF PAVEMENTS, CONCRETE CURB AND GUTTERS, SIDEWALKS AND DRIVEWAYS AS SPECIFIED, OR AS DIRECTED BY THE ENGINEER. THE COST SHALL BE CONSIDERED INCLUDED IN THE COST FOR REMOVAL OF THE SPECIFIED ITEM IN THE CONTRACT.
8. A PROOF ROLL OF THE SUBGRADE IS REQUIRED PRIOR TO PLACING THE AGGREGATE BASE AND MUST BE OBSERVED BY THE ENGINEER
9. THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER,
10. THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.
11. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
12. BEFORE ORDERING BOX CULVERTS, PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL FIELD VERIFY AND CONSULT THE ENGINEER FOR EXACT LENGTHS.
13. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
14. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
15. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
16. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
17. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. THE CONTRACTOR SHALL CONTACT THE MUNICIPALITY FOR ANY MUNICIPAL OWNED UTILITIES. (MINIMUM 48 HOURS NOTIFICATION IS REQUIRED)
18. THE CONTRACTOR SHALL CALL THE UNION PACIFIC "CALL BEFORE YOU DIG" OPERATION AT 1-800-336-9193 FOR FIELD LOCATIONS OF UNION PACIFIC OWNED BURIED FIBER OPTIC CABLES IN UNION PACIFIC RIGHT OF WAY.
19. EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS.
20. PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE PROPOSED SUBGRADE OR AS DEEP AS POSSIBLE. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE UNDERDRAINS.
21. THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

22. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER. THE COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCLUDED IN THE CONTRACT.
23. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY TO THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE; ELEVATION INDICATES RIM GRADES.
24. THE CONTRACTOR SHALL COORDINATE WITH THE UPRR SIGNAL DEPARTMENT FOR ITEMS INSTALLED BY THE UPRR SIGNAL DEPARTMENT.
25. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
26. THE RESIDENT ENGINEER MUST CONTACT ERIC CAMPOS, AREA WILL COUNTY TRAFFIC ENGINEER AT (815)485-6475, OR E-MAIL AT ERIC.CAMPOS@ILLINOIS.GOV, A MINIMUM OF TWO WEEKS PRIOR TO INSTALLING PERMANENT PAVEMENT MARKINGS.
27. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS, PRIOR TO WORKING IN BWU AREAS. IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTIONS 11.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
28. ANY PROPOSED ACTIVITY IN THE VICINITY OF HIGHWAY-RAIL GRADE CROSSING MUST ADHERE TO THE GUIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), UNDER SECTION 6G.18, 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."
29. THIS PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE 404 PERMIT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.  
  
THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. ANY MATERIAL NOT NEEDED SHOULD BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.
30. THE COMPACTON OF TRENCH BACKFILL ACCORDING TO ARTICLE 550.07 (C) METHOD 3 IS NOT ALLOWED.
31. THE CONTRACTOR SHALL INSTALL WETLAND NO INTRUSION SIGNS AT LOCATIONS NOTED IN THE PLANS. THE SIGN PANEL SIZE IS 30" WIDE X 24" HIGH AND IS AVAILABLE AT NO COST TO THE CONTRACTOR FROM IDOT, DISTRICT 1, BUREAU OF MAINTENANCE. THE CONTRACTOR SHALL BE RESPONSIBLE, AT HIS EXPENSE, FOR MAKING ARRANGEMENTS TO OBTAIN THE SIGN PANELS FROM IDOT AND SHALL CONTACT THE BUREAU OF MAINTENANCE AT 847-705-4188 TO MAKE THESE ARRANGEMENTS. THE SIGNS SHALL BE POST MOUNTED. A QUANTITY FOR METAL POST, TYPE A IS INCLUDED IN THE CONTRACT. THE SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 720 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH STATE STANDARDS 720001, 720011 AND 729001. UPON COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE BUREAU OF MAINTENANCE TO DETERMINE IF ANY OF THE SIGN PANELS ARE TO BE RETURNED TO IDOT.
32. THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 A MINIMUM OF 72 HOURS IN ADVANCE OF SELECTIVE CLEARING WORK.
33. LAND SECTION CORNERS ARE TO BE PRESERVED IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS AND SHALL BE, CROSS-TIED, AND RE-ESTABLISHED BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (IL PLS) ACCORDING TO SECTION 668 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL INCLUDE A MONUMENT RECORD THAT IS TO BE PREPARED BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (IL PLS) AND RECORDED IN THE WILL COUNTY RECORDER'S OFFICE. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04, EXTRA WORK.

**UNION PACIFIC RAILROAD GENERAL NOTES**

1. WITHIN THESE NOTES, THE UNION PACIFIC RAILROAD SHALL BE REFERRED TO AS THE RAILROAD.
2. A CONTRACTOR'S RIGHT-OF-ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON RAILROAD PROPERTY. THE COST TO OBTAIN THIS PERMIT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
3. NO DISRUPTIONS OF RAILROAD OPERATIONS WILL BE PERMITTED.
4. ALL WORK WITHIN 25 FEET OF THE NEAREST TRACK WILL REQUIRE A RAILROAD FLAGMAN. TO SCHEDULE A FLAGMAN FOR WORK ON A COMMUTER LINE, CALL CANDICE MILLER AT (312) 496-4738. A MINIMUM 72 HOURS IN ADVANCE OF START OF WORK. TO SCHEDULE A FLAGMAN FOR WORK ON FREIGHT LINES, CALL DARYL CLARK AT (708) 649-5273, A MINIMUM OF 72 HOURS IN ADVANCE OF START OF WORK.
5. WORK WINDOWS WITHIN THE 25 FOOT ZONE ARE ONLY AVAILABLE FROM 9:00 AM - 3:00 PM, MONDAY THROUGH FRIDAY. NIGHT WORK WINDOWS ARE AVAILABLE FROM 8:00 PM - 4:00 AM. PLEASE PROVIDE AT LEAST 72 HOURS OF ADDITIONAL NOTICE WHEN REQUESTING TO WORK AT NIGHT TO ENSURE APPROPRIATE FLAGGING COVERAGE. EXTENDED WORK WINDOWS MAY BE AVAILABLE ON THE WEEKENDS. NOT WITHSTANDING THE FOREGOING, DUE TO INTERSTATE FREIGHT TRAIN AND COMMUTER PASSENGER TRAIN OPERATIONS AND SCHEDULES ALL WORK WINDOWS WITHIN THE TIMES LISTED ABOVE ARE SUBJECT TO ON SITE UNILATERAL ADJUSTMENT OR DENIAL FROM THE RAILROAD'S LOCAL FIELD MANAGER AND/OR CORRIDOR MANAGER. THIS MAY RESULT IN DENIAL OR ADJUSTMENT OF ACCESS FOR ANY AND ALL CONTRACTORS, SUBCONTRACTORS AND MATERIAL MEN DURING WORK WINDOWS.
6. NO UN-USED WORK EQUIPMENT WILL BE ALLOWED TO REMAIN ON THE RAILROAD'S COMMUTER PLATFORM IF PRESENT.
7. RAILROAD UTILITIES ARE NOT INCLUDED UNDER JULIE. CALL CANDICE MILLER AT (312) 496-4738 FOR LOCATES.
8. FIBER OPTICS MAY BE PRESENT IN THIS AREA. CALL (800) 336-9193 TO COORDINATE ANY REQUIRED PROTECTION OR RELOCATION, PRIOR TO CONSTRUCTION.
9. ERECTION OVER THE RAILROAD'S RIGHT-OF-WAY SHALL BE DESIGNED TO CAUSE NO INTERRUPTIONS TO RAILROAD'S OPERATIONS. ERECTION OVER THE RAILROAD'S TRACK SHALL BE DEVELOPED SUCH THAT IT ENABLES THE TRACK(S) TO REMAIN OPEN TO TRAIN TRAFFIC PER RAILROAD'S REQUIREMENTS.
10. MINIMUM CONSTRUCTION CLEARANCE ENVELOPE OF 21 FEET VERTICAL ABOVE THE PLANE OF TOP-OF-RAIL AND 12 FEET HORIZONTAL AT RIGHT ANGLE FROM CENTERLINE OF TRACK SHALL BE MAINTAINED AT ALL TIME DURING CONSTRUCTION.
11. FALSEWORK CLEARANCE SHALL COMPLY WITH THE RAILROAD'S MINIMUM CONSTRUCTION CLEARANCE ENVELOPE.
12. FOR RAILROAD COORDINATION PLEASE REFER TO THE RAILROAD MINIMUM REQUIREMENTS AS PART OF SPECIAL PROVISIONS.
13. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION.

**COMMITMENTS**

ALL EMERGENCY SERVICES, LOCAL POLICE, AND FIRE DEPARTMENTS, UTILITIES, SCHOOL DISTRICTS, SHALL BE NOTIFIED BY THE CONTRACTOR A MINIMUM OF 7 DAYS PRIOR ANY ROAD CLOSURES OR CHANGES IN TRAFFIC PATTERNS.

THE HIGH SPEED RAIL PROJECT MANAGEMENT TEAM WILL COORDINATE WITH THE UPRR TO ENSURE RAILROAD CROSSING SURFACES ARE WIDE ENOUGH FOR EACH STAGE OF IDOT CONSTRUCTION.

CONTRACTOR SHALL NOT ENCROACH DESIGNATED WETLANDS AS SHOWN ON THE PLANS.

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USER NAME : nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HIGHWAY STANDARDS, GENERAL  
NOTES, INDEX OF SHEETS, AND COMMITMENTS**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DHSRR2016-02&03	WILL	580	4
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

HMA MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (OMP)
MIXTURE TYPE	AIR VOID @ Ndes	
FULL DEPTH PAVEMENT (IL RTE 53 @ COAL CITY ROAD) 10 1/4"		
2" POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, (IL-9.5mm)	4% @ 70 GYR.	OCP
2 1/4" POLYMERIZED HMA BINDER COURSE, IL-19.0, N90	4% @ 90 GYR.	OCP
6" HMA BINDER COURSE, IL-19.0, N90	4% @ 90 GYR.	OCP
FULL DEPTH PAVEMENT (IL RTE 53 @ STRIP MINE ROAD) 11"		
2" POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, (IL-9.5mm)	4% @ 70 GYR.	OCP
2 1/4" POLYMERIZED HMA BINDER COURSE, IL-19.0, N90	4% @ 90 GYR.	OCP
6 3/4" HMA BINDER COURSE, IL-19.0, N90	4% @ 90 GYR.	OCP
FULL DEPTH PAVEMENT (STRIP MINE RD) 13 1/2"		
2" HMA SURFACE COURSE, MIX "D", N70, (IL-9.5mm)	4% @ 70 GYR.	OCP
11 1/2" HMA BASE COURSE, IL-19.0, N70	4% @ 70 GYR.	OCP
FULL DEPTH PAVEMENT (COAL CITY RD) 8 1/4"		
2" HMA SURFACE COURSE, MIX "D", N70, (IL-9.5mm)	4% @ 70 GYR.	OCP
6 1/4" HMA BASE COURSE, IL-19.0, N70	4% @ 70 GYR.	OCP
SHOULDERS 8 1/4", 10 1/4", 11", 13 1/2"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N 70; (IL-9.5mm), 2"	4% @ 70 GYR.	OCP
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 6 1/4", 8 1/4", 9", 11 1/2"	4% @ 70 GYR.	OCP
TEMPORARY PAVEMENT (IL RTE 53)		
2" HMA SURFACE COURSE, MIX "D", N70, (IL-9.5mm)	4% @ 70 GYR.	OCP
8" HMA BINDER COURSE, IL-19.0, N70	4% @ 70 GYR.	OCP
DRIVEWAYS AND RAILROAD ACCESS ROADS		
2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5mm)	4% @ 50 GYR.	QC/OA
6" HOT-MIX ASPHALT BASE COURSE (PE) (HMA BINDER IL-19.0)	4% @ 50 GYR.	QC/OA
8" HOT-MIX ASPHALT BASE COURSE (CE) (HMA BINDER IL-19.0)	4% @ 50 GYR.	QC/OA
RAILROAD APPROACH OVERLAY		
4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, (IL-9.5mm)	4% @ 70 GYR.	OCP
OMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)		

**NOTES:**

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA QUANTITIES IS 112 LBS/SOYD/IN.
- NOTE 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.
- NOTE 3: FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
- NOTE 4: QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
- NOTE 5: PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 8". TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.
- NOTE 6: ALL TEMPORARY PAVEMENT SHALL BE PROVIDED OVER 4" SUBBASE GRANULAR MATERIALS TYP B (CA-6).
- NOTE 7: EXTRA AGGREGATE SUBGRADE REQUIRED UNDER THE HMA SHOULDER IS PAID FOR UNDER THE PAY ITEM 'HMA SHOULDER B'.
- NOTE 8: FOR HMA FULL DEPTH PAVEMENT "AC TYPE" SEE SPECIAL PROVISIONS.

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USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HMA MIXTURE REQUIREMENTS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02A03	WILL	580	5
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				URBAN					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR				
				0004	0021	0021	0004	0021	0021
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	22				22		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	188				188		
20100500	TREE REMOVAL, ACRES	ACRE	0.90				0.90		
20101000	TEMPORARY FENCE	FOOT	5410	1539			3871		
20200100	EARTH EXCAVATION	CU YD	29458	7009			22449		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3257	882			2375		
20800150	TRENCH BACKFILL	CU YD	574	186			388		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3394	1150			2244		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	20169	5563			14606		
* 25000210	SEEDING, CLASS 2A	ACRE	4.0	1.0			3.0		
* 25000310	SEEDING, CLASS 4	ACRE	3.2				3.2		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	391	114			277		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	391	114			277		
* 25100115	MULCH, METHOD 2	ACRE	2.99	0.19			2.80		

\* =SPECIALTY ITEM

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USER NAME: nick.becker	DESIGNED: JLM	REVISED:
DRAWN: BWL, EKS	CHECKED: NJB	REVISED:
DATE: 02/05/2016		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 846	SECTION DIHSRA2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 6
CONTRACT NO. 62B33				ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
			0004	0021	0021	0004	0021	0021	
* 25100630	EROSION CONTROL BLANKET	SO YD	32956	4684			28272		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	189	62			127		
28000305	TEMPORARY DITCH CHECKS	FOOT	690	135			555		
28000400	PERIMETER EROSION BARRIER	FOOT	9531	1335			8196		
28000510	INLET FILTERS	EACH	10	10					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3257	882			2375		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	30448	7617			22831		
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	2217	604			1613		
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	655	232			423		
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	628	353			275		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	96	42			54		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	79	68			11		
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	21	10			11		
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	17581	3582			13999		

\* =SPECIALTY ITEM

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DATE - 02/05/2016		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS	SHEET 2 OF 14 SHEETS	STA. N/A	TO STA. N/A	F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 7	CONTRACT NO. 62B33
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ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE						
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E			
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP	
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	
			0004	0021	0021	0004	0021	0021		
40701846	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/4"	SQ YD	1752				1752			
40701886	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4"	SQ YD	12134				12134			
40701901	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"	SQ YD	5003	5003						
40701951	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 1/2"	SQ YD	392	392						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	221	221						
44000100	PAVEMENT REMOVAL	SQ YD	23855	7069			16786			
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	94	45			49			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	648	533			115			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	542	398			144			
44000600	SIDEWALK REMOVAL	SQ FT	189	189						
44004250	PAVED SHOULDER REMOVAL	SQ YD	189	189						
48203030	HOT-MIX ASPHALT SHOULDERS, 8 1/4"	SQ YD	753				753			
48203038	HOT-MIX ASPHALT SHOULDERS, 10 1/4"	SQ YD	6832				6832			
48203041	HOT-MIX ASPHALT SHOULDERS, 11"	SQ YD	1221	1221						

\* =SPECIALTY ITEM

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USER NAME : mick_becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	CHECKED - NJB	REVISED -
PLT SCALE : 40.0000' / in.	DATE - 02/05/2016	REVISED -
PLT DATE : 3/23/2016		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 3 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	8
CONTRACT NO. 62833			ILLINOIS FED. AID PROJECT	



SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
				0004	0021	0021	0004	0021	0021
48203051	HOT-MIX ASPHALT SHOULDERS, 13 1/2"	50 YD	96	96					
50102700	MASONRY REMOVAL	CU YD	7	5			2		
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2					
50105220	PIPE CULVERT REMOVAL	FOOT	591	284			307		
54210024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	20				20		
54210189	PIPE ELBOW, 24"	EACH	2				2		
54213459	END SECTIONS 24"	EACH	2				2		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1					
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	8				8		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	8	4			4		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	10	4			6		
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	2				2		
54215559	METAL END SECTIONS 24"	EACH	2				2		
5422A018	PIPE CULVERTS, CLASS A, TYPE 2 18" (TEMPORARY)	FOOT	502				502		
5422A030	PIPE CULVERTS, CLASS A, TYPE 2 30" (TEMPORARY)	FOOT	15				15		

\* =SPECIALTY ITEM

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USER NAME: nick_baker	DESIGNED: JLM	REVISED:
PLOT SCALE: 40,0000' / in.	DRAWN: SWL, EKS	REVISED:
PLOT DATE: 3/23/2016	CHECKED: NJB	REVISED:
	DATE: 02/05/2016	REVISED:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 4 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	9
CONTRACT NO. 62833			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE						
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E			
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP	
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	
			0004	0021	0021	0004	0021	0021		
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	25	25						
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	201	201						
542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	200			200				
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	80			80				
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	237			237				
542A1093	PIPE CULVERTS, CLASS A, TYPE 2 48"	FOOT	94			94				
54260311	TRAVERSABLE PIPE GRATE	FOOT	69	69						
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	130	130						
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	205	205						
55100500	STORM SEWER REMOVAL 12"	FOOT	235	235						
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	11	3			8			
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	124	39			85			
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	3340	1422			1918			
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2						

\* =SPECIALTY ITEM

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USER NAME = nick.baeker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 5 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	10
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
				0004	0021	0021	0004	0021	0021
60500040	REMOVING MANHOLES	EACH	4	4					
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	10.84	9			1.84		
60601805	CONCRETE CURB TRANSITION	FOOT	8				8		
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	41	41					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	302				302		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1116	1116					
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	39	39					
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	130				130		
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	208	208					
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	57	57					
63200310	GUARDRAIL REMOVAL	FOOT	320	320					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2070	720			1350		
* 66900210	HAZARDOUS WASTE DISPOSAL	CU YD	205	205					
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0.5			0.5		

\* =SPECIALTY ITEM

FILE NAME: c:\na\esh\mick\_beecher\transportation\mick\_beecher\1336\162833-ent-500.dgn



USER NAME: mick_beecher	DESIGNED: JLM	REVISED:
DRAWN: BWL, EKS	REVISION:	
CHECKED: NJB	REVISION:	
DATE: 02/05/2016	REVISION:	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 6 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	11
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
			0004	0021	0021	0004	0021	0021	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	4			2		
67100100	MOBILIZATION	LSUM	1	0.5			0.5		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	90	45			45		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	628	628					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	56542				56542		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	5244	576			4668		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3168				3168		
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	12	2			10		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	616	261	25		298	32	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	17				17		
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	14	14					
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2					
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	745	353			392		
* 72900100	METAL POST - TYPE A	FOOT	55	55					

\* =SPECIALTY ITEM

FILE NAME: c:\projects\16163\16163\_ba\16163.dwg



USER NAME : nick_baker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	CHECKED - NJB	REVISED -
PLOT SCALE = 40,0000' / in.	DATE - 02/05/2016	REVISED -
PLOT DATE = 3/23/2016		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 7 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	12
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				URBAN								
							STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP			
100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR							
				0004	0021	0021	0004	0021	0021			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	544	207			337					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	31416	6629			24787					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2387	682			1705					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	285	144			141					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	292	119			173					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	304	85			219					
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	446	446							
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	218	24			194					
	78300100	PAVEMENT MARKING REMOVAL	SO FT	25909	7061		18848					
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	2		1		1					
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3033		1938		1095					
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	108		56		52					
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	284		82		202					
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1342		559		783					

\* =SPECIALTY ITEM

FILE NAME: z:\working\proj\becke\transportation\dm1335\062833-shi-500.dgn



USER NAME - nich.becker	DESIGNED - JLM	REVISED -
PLOT SCALE - 40.0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE - 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 8 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 13
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
				0004	0021	0021	0004	0021	0021
* 81400100	HANDHOLE	EACH	11		7			4	
* 81400200	HEAVY-DUTY HANDHOLE	EACH	14		6			8	
* 81400300	DOUBLE HANDHOLE	EACH	3		1			2	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1				
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1674		1674				
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1230			316			914
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	8215		3698			4517	
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	825					825	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3959		1515			2444	
* 87301750	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	392		161			231	
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	120		74			46	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2066		913			1153	
* 87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	2		1			1	

\* =SPECIALTY ITEM

FILE NAME: z:\transportation\becker\transportation\1536\1536-D162833-1st-500.dgn

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
				0004	0021	0021	0004	0021	0021
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2		1			1	
* 87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	2		1			1	
* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	3		1			2	
* 87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1		1				
* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1					1	
* 87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1					1	
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1				
* 87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1					1	
* 87702718	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 46 FT. AND 30 FT.	EACH	1		1				
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		8			8	
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8		4			4	
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	52		22			30	
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	78		39			39	
* 87900200	DRILL EXISTING HANDHOLE	EACH	1		1				

\* =SPECIALTY ITEM

FILE NAME: c:\pwworking\john.becker\transportation\1236\0162833-141\_500.dwg



USER NAME : john.becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	CHECKED - NJB	REVISED -
PLLOT SCALE = 40,0000' / 1in.	DATE - 02/05/2016	REVISED -
PLLOT DATE = 3/23/2016		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 10 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	15
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR			
				0004	0021	0021	0004	0021	0021
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	23		10			13	
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	14		7			7	
* 88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1					1	
* 88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2					2	
* 88055150	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		1			1	
* 88055160	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4		4				
* 88055165	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1					1	
* 88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	29		14			15	
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	16		6			10	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1730		583			1147	
* 88700200	LIGHT DETECTOR	EACH	7			3			4
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	2			1			1
* A2000220	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	8					
* A2002376	TREE, BETULA NIGRA (RIVER BIRCH), 12' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	7	7					

\* =SPECIALTY ITEM

FILE NAME: c:\bentley\work\msh\_baker\project\station\dem\135\0162833-sh1-500.dgn

<b>AECOM</b>	USER NAME: nich.becker	DESIGNED: JLM	REVISED: -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
	PLOT SCALE: 48.0000' / in.	DRAWN: BWL, EKS	REVISED: -		846	DIHSRR2016-02&03	WILL	580	16				
	PLOT DATE: 3/23/2016	CHECKED: NJB	REVISED: -		SCALE: NTS SHEET 11 OF 14 SHEETS STA. N/A TO STA. N/A				CONTRACT NO. 62B33				
	DATE: 02/05/2016	REVISED: -		ILLINOIS FED. AID PROJECT									



SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION CODE

STRIP MINE ROAD  
CROSSING 290503R

COAL CITY ROAD  
CROSSING 290505E

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E			
				ROADWAY 100% HSR	SIGNAL 100% HSR	EVP 100% HSR	ROADWAY 100% HSR	SIGNAL 100% HSR	EVP 100% HSR	
			0004	0021	0021	0004	0021	0021		
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	6				6			
* A2005556	TREE, NYSSA SYLVATICA (BLACK TUPELO), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	5				5			
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	11	3			8			
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3						
* A2007620	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10				10			
* C2006004	SHRUB, RHUS COPALLINA VAR. LATIFOLIA MORTON (PRAIRIE FLAME SHINING SUMAC), 3' HEIGHT, CONTAINER	EACH	30				30			
* C2012748	SHRUB, VIBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	3	3						
* D2002772	EVERGREEN, PINUS NIGRA (AUSTRIAN PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	10	10						
K0029614	WEED CONTROL, AQUATIC	GALLON	3.5	1.0			2.5			
K0029624	WEED CONTROL, TEASEL	GALLON	4	1			3			
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	9	3			6			
K1005465	SELECTIVE MOWING STAKES	EACH	21	4			17			
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1230			316			914	
* X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	1.39	0.19			1.2			

\* =SPECIALTY ITEM

FILE NAME: \\p:\aecom\proj\2016\2016-02-03\2016-02-03-01.dgn



USER NAME: jnick_baeker	DESIGNED - JLM	REVISED -
PLOT SCALE: 40,0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE: 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 12 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	17
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
				0004	0021	0021	0004	0021	0021
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	10	5			5		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	3			2		
X4402805	ISLAND REMOVAL	SO FT	81	81					
X4403300	CONCRETE MEDIAN REMOVAL	SO FT	108	108					
X5420006	REMOVE AND SALVAGE PIPE CULVERTS 24"	FOOT	40				40		
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	16	8			8		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	0.5			0.5		
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	20968	20968					
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	35	35					
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2		1			1	
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1700		1700				
*	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	2		1			1	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	0.5			0.5		
Z0022800	FENCE REMOVAL	FOOT	780					780	

\* =SPECIALTY ITEM

FILE NAME: c:\year\hunting\hunting\back\transportation\summary\62B33-11-500.dgn



USER NAME : nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE : 40.0000' / 1" =	DRAWN - BWL, EKS	REVISED -
PLOT DATE : 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

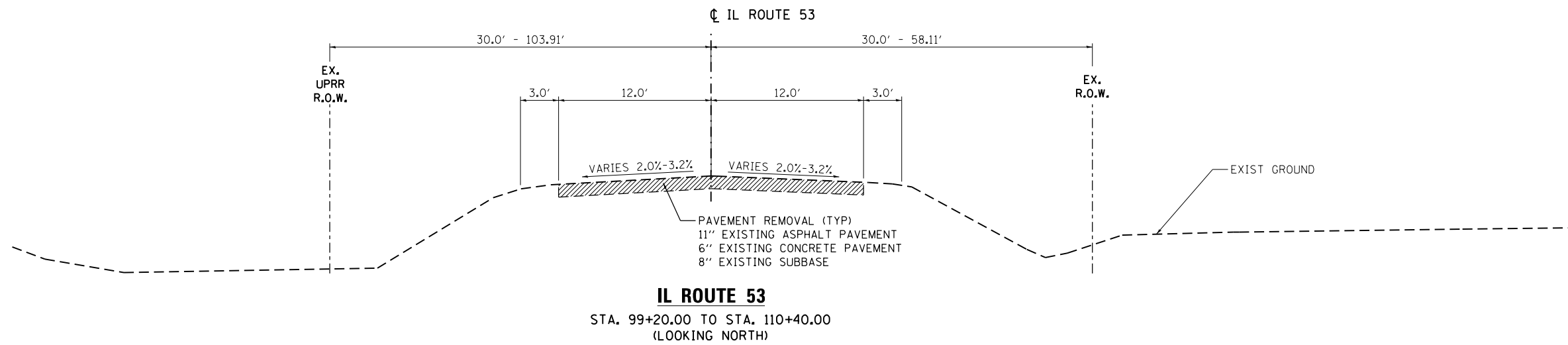
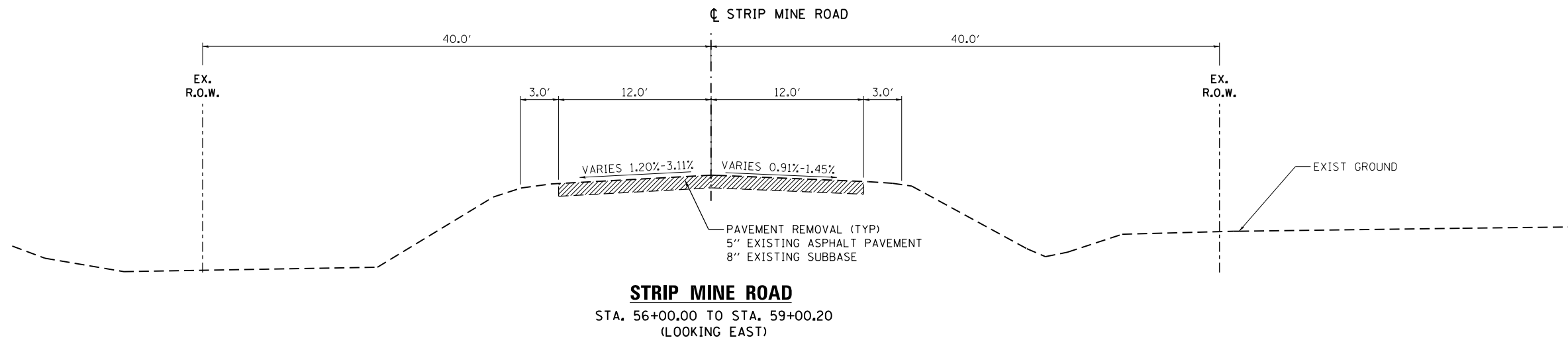
SCALE: NTS SHEET 13 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RATE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSR2016-02&03	WILL	580	18
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE					
				STRIP MINE ROAD CROSSING 290503R			COAL CITY ROAD CROSSING 290505E		
				ROADWAY	SIGNAL	EVP	ROADWAY	SIGNAL	EVP
				100% HSR	100% HSR	100% HSR	100% HSR	100% HSR	100% HSR
				0004	0021	0021	0004	0021	0021
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	180	77			103		
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1		0.5		0.5		
Z0062456	TEMPORARY PAVEMENT	SO YD	9937	2695			7242		
Z0064800	SELECTIVE CLEARING	UNIT	59	11			48		
* <del>Z0064800</del>	<del>GALVANIZED STEEL CONDUIT, JACKED AND BORED, 4"</del>	<del>FOOT</del>	<del>318</del>		<del>139</del>		<del>179</del>		

\* =SPECIALTY ITEM

FILE NAME: e:\working\msh\_becker\transportation\sum1706-0162833-wt-500.dgn



NOTE:  
 SEE REMOVAL PLANS  
 FOR REMOVAL LIMITS

**LEGEND**  
 TO BE REMOVED

FILE NAME = c:\ywork\hunting\nick.becker\transportation\dm1135\0162833-ah-typical-Ex01.dgn



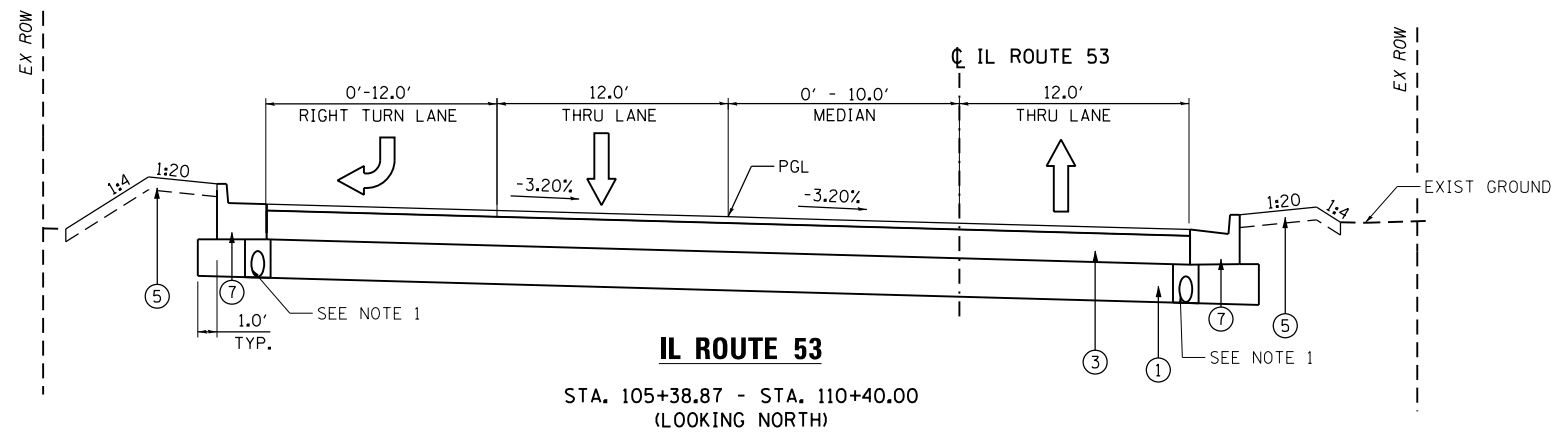
USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS  
 STRIP MINE ROAD AND IL ROUTE 53**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	20
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				



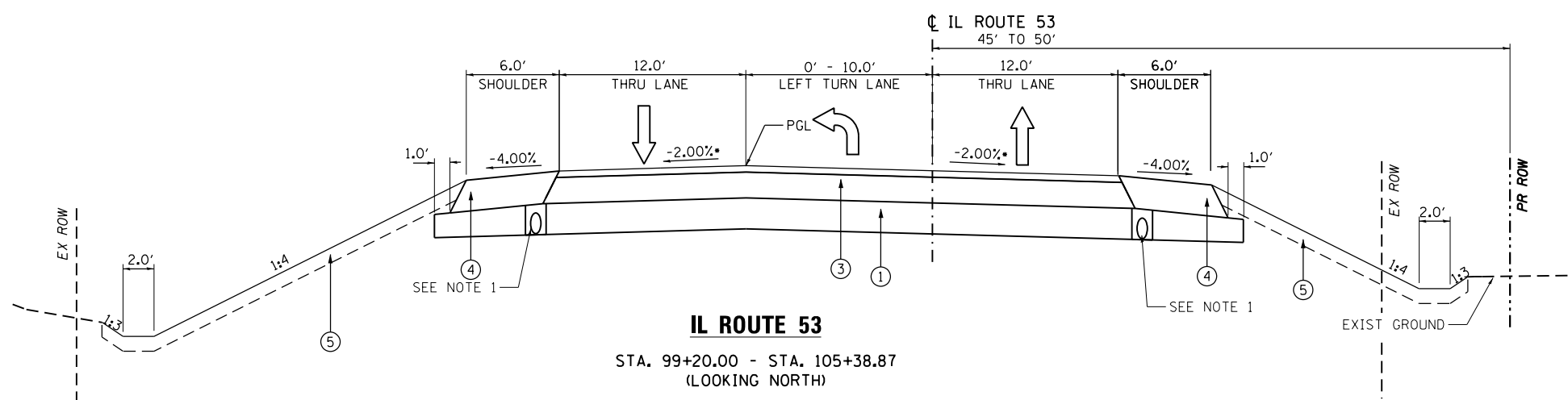
**IL ROUTE 53**

STA. 105+38.87 - STA. 110+40.00  
(LOOKING NORTH)

**STRUCTURAL PAVEMENT DESIGN INFORMATION**

IL ROUTE 53

STRUCTURAL DESIGN TRAFFIC:	YEAR 2035
PV = 11,349	SU = 117 MU = 234
ROAD / STREET CLASSIFICATION:	CLASS III
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 50%	S = 50% M = 50%
TRAFFIC FACTOR: Actual TF =	3.16
PG GRADE: BINDER = PG 64-22	SURFACE = PG 64-22
SUBGRADE SUPPORT RATING:	SSR = POOR



**IL ROUTE 53**

STA. 99+20.00 - STA. 105+38.87  
(LOOKING NORTH)

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION  
LOCATED AT UNDERCUT FOR UNSUITABLE  
MATERIAL. SEE CROSS SECTIONS FOR LOCATIONS.  
STAGE 1 STA 100+00 - 102+50  
STAGE 2 STA 100+00 - 103+00  
STAGE 3 STA 100+00 - 103+00

**IL ROUTE 53 •**

3.2% 3.2%	109+41.21
3.2% 3.2%	103+30.15
0% 2.0%	102+68.15
2.0% 2.0%	99+20.00

**NOTES:**

NOTE 1 : PIPE UNDERDRAIN 4", SEE SCHEDULE OF QUANTITIES FOR LOCATIONS  
NOTE 2 : ROW DIMENSIONS SHOWN WHERE PRACTICAL. SEE PLAT OF HIGHWAYS FOR LOCATIONS, DIMENSIONS, AND OFFSETS.

**PROPOSED PAVEMENT LEGEND**

- ① AGGREGATE SUBGRADE IMPROVEMENT 12"
- ② HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 1/2"
- ③ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"
- ④ HOT-MIX ASPHALT SHOULDERS, 11"
- ⑤ TOPSOIL FURNISH AND PLACE, 6"
- ⑥ COMBINATION CONCRETE CURB AND GUTTER TYPE M-6.24
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

FILE NAME : c:\ywork\hwy\mick.becker\transport\station\dm11335\01628233-ah-t-topical-FR01.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS  
IL ROUTE 53**

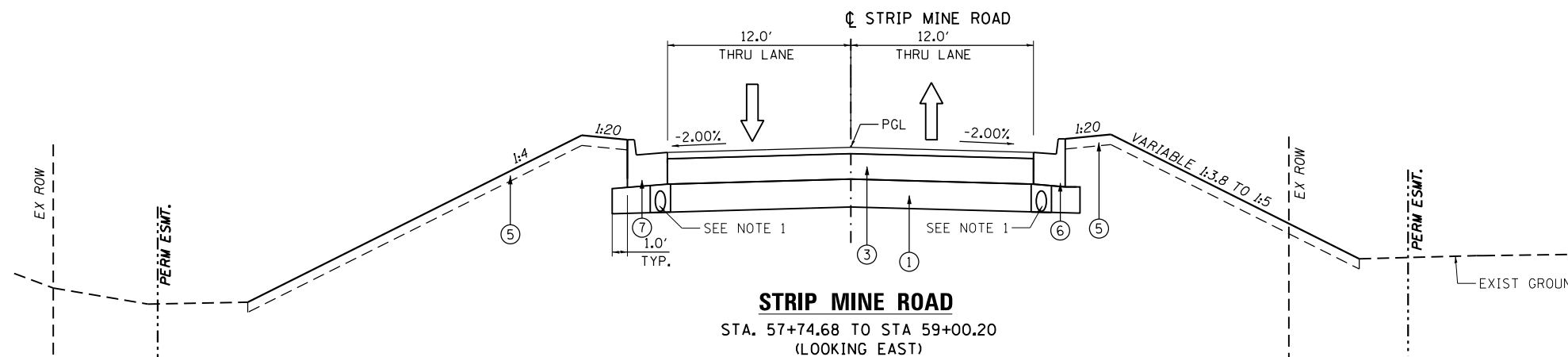
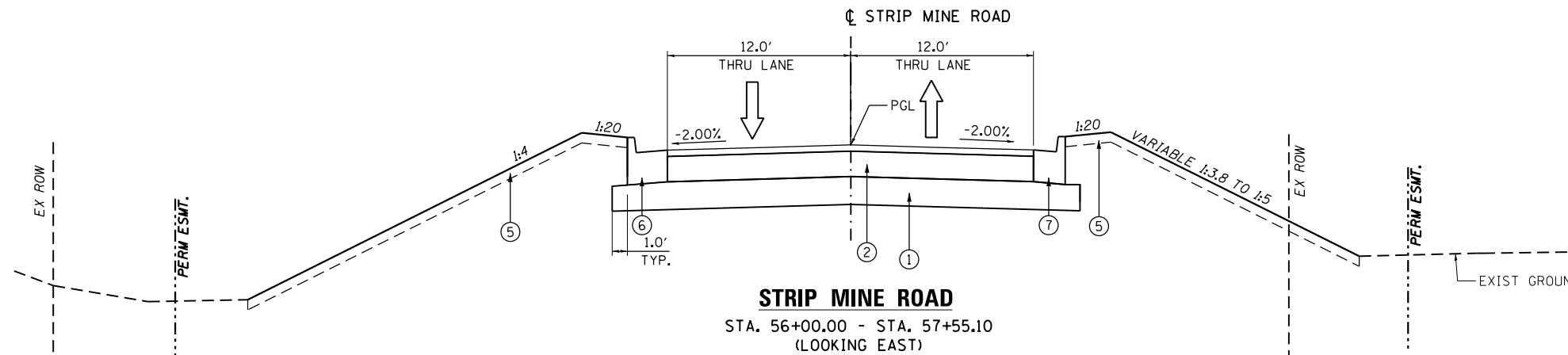
SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	21
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

**STRUCTURAL PAVEMENT DESIGN INFORMATION**

**STRIP MINE ROAD**

STRUCTURAL DESIGN TRAFFIC:	YEAR 2035	
PV = 3378	SU = 307	MU = 154
ROAD / STREET CLASSIFICATION: CLASS III		
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = 50%	S = 50%	M = 50%
TRAFFIC FACTOR: Actual TF = 3.16		
PG GRADE: BINDER = PG 64-22	SURFACE = PG 64-22	
SUBGRADE SUPPORT RATING:		
SSR = POOR		



**STRIP MINE ROAD**

1.0%	58+10	57+98	1.93%
0%	57+74	57+62	0%
0%	57+35	57+20	0%
2.0%	56+99	57+00	2.0%

**PROPOSED PAVEMENT LEGEND**

- ① AGGREGATE SUBGRADE IMPROVEMENT 12"
- ② HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 1/2"
- ③ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"
- ④ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑤ TOPSOIL FURNISH AND PLACE, 6"
- ⑥ COMBINATION CONCRETE CURB AND GUTTER TYPE M-6.24
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

**NOTES:**

NOTE 1 : PIPE UNDERDRAIN 4". SEE SCHEDULE OF QUANTITIES FOR LOCATIONS

NOTE 2 : ROW DIMENSIONS SHOWN WHERE PRACTICAL. SEE PLAT OF HIGHWAYS FOR LOCATIONS, DIMENSIONS, AND OFFSETS.

FILE NAME = c:\ywork\working\nick.becker\transportation\dm1135\01628233-ah-typical-FR02.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS  
STRIP MINE ROAD**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	22
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

PAVEMENT, CURB, SIDEWALK, GUARDRAIL, FENCE REMOVALS												
STATION	- STATION	SIDE	44000100			44000200	44000500	44004250	44000600	63200310	X4402805	X4403300
			PAVEMENT REMOVAL			DRIVEWAY PAVEMENT REMOVAL	COMB. CURB AND GUTTER REMOVAL	PAVED SHOULDER REMOVAL	SIDEWALK REMOVAL	GUARDRAIL REMOVAL	ISLAND REMOVAL	CONCRETE MEDIAN REMOVAL
			AVG WIDTH	LENGTH	AREA (SQ YD)	AREA (SQ YD)	LENGTH (FOOT)	AREA (SQ YD)	AREA (SQ FT)	LENGTH (FOOT)	AREA (SQ FT)	AREA (SQ FT)
99+20.00	- 101+20.00			200	570							
101+20.00	- 105+40.00			420	1100							
105+40.00	- 110+40.00			500	2594							
56+00.00	- 57+50.00			150	460							
95+10.00	- 101+20.00	RT	5.5	610	126							
101+20.00	- 103+60.00	RT	5.1	240	60							
103+60.00	- 105+96.00	RT	4.9	236	142							
106+48.00	- 107+00.00	RT	7.0	52	47							
107+50.00	- 107+90.00	RT	6.6	40	14							
108+56.00	- 112+15.00	RT	4.5	359	252							
95+10.00	- 101+20.00	LT	2.9	610	922							
101+20.00	- 104+76.00	LT	11.2	376	782							
103+58.00	- 104+35.00	RT				143						
105+83.00	- 106+60.00	RT				162						
106+85.00	- 107+63.00	RT				90						
56+30.00	- 56+60.00	LT				51						
57+00.00	- 57+32.00	LT				87						
103+64.00	- 103+79.00	RT					21					
104+16.00	- 104+31.00	RT					19					
105+90.00	- 105+99.00	RT					27					
106+39.00	- 106+48.00	RT					25					
106+97.00	- 107+05.00	RT					10					
107+50.00	- 108+07.00	RT					65					
108+56.00	- 108+68.00	RT								81		
106+81.00	- 107+65.00	LT					83					
106+89.00	- 107+65.00	LT					123					
56+06.00	- 56+30.00	LT					25					
106+88.53	- 107+97.61	LT						37				
107+62.77	- 108+15.58	RT						47				
109+05.64	- 110+59.58	RT						105				
99+66.00	- 101+32.00	RT							166			
99+70.00	- 101+24.00	LT							154			
108+84.00	- 109+25.00	LT							189			
107+65.00	- 108+14.00	LT									108	
TOTALS					7069	533	398	189	189	320	81	108

STORM SEWER AND CULVERT REMOVAL						
STATION	- STATION	SIDE	50104400	50105220	55100500	60500040
			CONCRETE HEADWALL REMOVAL EACH	PIPE CULVERT REMOVAL FOOT	STORM SEWER REMOVAL 12" FOOT	REMOVING MANHOLES EACH
100+51.45	- 100+51.45	LT/RT		48		
105+86.25	- 106+51.61	LT		64		
101+74.30	- 101+94.47	RT		20		
103+56.38	- 104+31.54	RT		73		
57+00.00	- 57+27.14	LT		30		
58+00.00	- 58+60.31	LT/RT	1	49		
106+01.12	- 106+36.86	LT	1		37	
106+36.86	- 106+91.15	LT			56	
106+91.15	- 107+67.94	LT			80	
107+67.94	- 108+18.15	LT			53	
108+18.15	- 108+19.76	LT			9	
106+36.86		LT				1
106+91.15		LT				1
107+67.94		LT				1
108+18.15		LT				1
TOTALS			2	284	235	4

QUANTITIES NOT OTHERWISE SHOWN							
LOCATION	X6700410	Z0013798	67100100	66900200	66900210	66900450	66900530
	ENGINEER'S FIELD OFFICE TYPE A (SPECIAL)	CONSTRUCTION LAYOUT	MOBILIZATION	NON-SPECIAL WASTE DISPOSAL	HAZARDOUS WASTE DISPOSAL	SPECIAL WASTE PLANS AND REPORTS	SOIL DISPOSAL ANALYSIS
	CAL MO	L SUM	L SUM	CU YD	CU YD	L SUM	EACH
PROJECT	8	0.5	0.5	720	205	0.5	4
TOTAL	8	0.5	0.5	720	205	0.5	4

TREE REMOVAL			
STATION	- STATION	SIDE	Z0064800
			SELECTIVE CLEARING UNIT
93+45.30	- 95+50.00	LT	3.0
95+50.00	- 98+20.00	LT	1.7
97+91.47	- 98+53.07	RT	0.7
98+63.69	- 101+20.00	RT	3.4
55+00.00	- 56+63.30	RT	2.5
TOTALS			11.3

TOPSOIL				
STATION	- STATION	SIDE	STAGE	21101625
				TOPSOIL FURNISH AND PLACE 6" SQ YD
105+02.00	- 105+45.00	LT	2	89
105+80.00	- 108+25.00	LT	2	827
108+86.00	- 110+40.00	LT	2	68
56+00.00	- 56+68.00	RT	2	60
56+04.00	- 56+36.00	LT	2	53
56+50.00	- 57+09.00	LT	2	56
56+54.00	- 57+18.00	LT	2	111
57+25.00	- 57+43.00	LT	2	16
98+64.00	- 101+78.00	RT	3	485
101+90.00	- 103+80.00	RT	3	406
104+16.00	- 107+05.00	RT	3	729
107+50.00	- 108+00.00	RT	3	70
108+75.00	- 110+40.00	RT	3	154
99+20.00	- 105+02.00	LT	4	761
94+10.00	- 99+20.00	LT	4	791
98+64.00	- 101+78.00	RT	3	224
99+20.00	- 105+30.00	LT	4	664
TOTALS				5563

FILE NAME: c:\ywork\hunting\nick.becker\transportation\dm1135\11628293-aht-schedule.dgn



USER NAME: nick.becker	DESIGNED: JLM	REVISED:
DRAWN: BWL, EKS	REVISIONS:	
PLOT SCALE: 48.0000' / in.	CHECKED: NJB	REVISIONS:
PLOT DATE: 3/23/2016	DATE: 02/05/2016	REVISIONS:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 1 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	23
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

STORM SEWER AND CULVERTS														
		542A0223	542A0229	550A0050	550A0090	20800150	54213657	54213663	54213669	54260311	601000060	60108100	60108204	60218300
		PIPE CULVERTS, CLASS A, TYPE 1 18"	PIPE CULVERTS, CLASS A, TYPE 1 24"	STORM SEWERS, CLASS A, TYPE 1 12"	STORM SEWERS, CLASS A, TYPE 1 18"	TRENCH BACKFILL	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	TRAVERSABLE PIPE GRATE	CONCRETE HEADWALLS FOR PIPE DRAINS	PIPE UNDERDRAINS 4" (SPECIAL)	PIPE UNDERDRAINS, TYPE 2, 4"	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID
STATION - STATION	SIDE	FOOT	FOOT	FOOT	FOOT	CU YD	EACH	EACH	EACH	FOOT	EACH	FOOT	FOOT	EACH
106+97.00 - 108+20.00	LT			130		24	1			5				
101+70.00 - 101+95.00	RT	25				14		2		14				
102+15.00 - 103+20.00	RT				105	47		1		7				1
103+20.00 - 104+24.00	RT				100	61		1		7				1
100+40.00 - 100+51.00	LT/RT		75			24			2	18				
105+33.00 - 106+50.00	LT/RT		126			16			2	18				
99+20.00 - 101+85.00	LT										1	12	265	
99+20.00 - 101+85.00	RT										1	12	265	
103+50.00 - 107+50.00	RT										1	-	400	
57+74.68 - 103+50.00	LT											-	260	
57+74.68 - 107+50.00	LT											15	232	
TOTALS		25	201	130	205	186	1	4	4	69	3	39	1422	2

LANDSCAPING										
				25000400	25000600	25000210	X2502024	25100630	25100115	K1005465
				NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SEEDING CLASS 2A	SEEDING CLASS 4B (MODIFIED)	EROSION CONTROL BLANKET	MULCH METHOD 2	SELECTIVE MOWING STAKES
STATION - STATION	SIDE	STAGE		POUND	POUND	ACRE	ACRE	SO YD	ACRE	EACH
105+02.00 - 105+45.00	LT	2		2	2	0.02		89		
105+80.00 - 108+25.00	LT	2		16	16	0.17		828		
108+86.00 - 110+40.00	LT	2		2	2	0.01		68		
56+00.00 - 56+68.00	RT	2		2	2	0.01		60		
56+04.00 - 56+36.00	LT	2		1	1	0.01		53		
56+50.00 - 57+09.00	LT	2		2	2	0.01		57		
56+54.00 - 57+18.00	LT	2		3	3	0.02		112		
57+25.00 - 57+43.00	LT	2		1	1	0.00		17		
98+64.00 - 101+78.00	RT	3		10	10	0.10		485		1
101+90.00 - 103+80.00	RT	3		8	8	0.08		407		
104+16.00 - 107+05.00	RT	3		14	14	0.15		730		
107+50.00 - 108+00.00	RT	3		2	2	0.01		71		
108+75.00 - 110+40.00	RT	3		3	3	0.03		154		
99+20.00 - 105+02.00	LT	4		15	15	0.16		762		3
94+10.00 - 99+20.00	LT	4		15	15	0.16		791		
98+64.00 - 101+78.00	RT	3		5	5		0.05		0.05	
99+20.00 - 105+30.00	LT	4		13	13		0.14		0.14	
TOTALS				114	114	1.0	0.19	4684	0.19	4

TEMPORARY PAVEMENT					
				Z0062456	31101000
				TEMPORARY PAVEMENT	SUBBASE GRANULAR MATERIAL, TYPE B
STA	STA	SIDE	STAGE	SY	TON
95+70.00	97+00.00	RT	1	38	9
97+00.00	102+40.0	RT	1	460	103
102+40.00	105+95.0	RT	1	211	47
106+47.00	107+01.0	RT	1	47	11
107+50.00	107+90.0	RT	1	14	4
108+56.00	108+69.0	RT	1	10	3
108+95.00	112+14.0	RT	1	242	54
92+25.00	97+00.00	LT	2	292	65
97+00.00	102+40.0	LT	2	1100	245
102+40.00	104+96.0	LT	2	281	63
TOTALS				2695	604

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION		
		21001000
		GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
STATION - STATION	ROAD	SO YD
100+00.00 - 100+50.00	IL53	161
100+50.00 - 101+00.00	IL53	178
101+00.00 - 101+50.00	IL53	189
101+50.00 - 102+00.00	IL53	200
102+00.00 - 102+50.00	IL53	200
102+50.00 - 103+00.00	IL53	222
TOTALS		1150

FILE NAME: c:\ywork\hunting\nick.becker\transportation\dm1135\01628233-aht-schedule.dgn



USER NAME = nick.becker  
 DRAWN - BWL, EKS  
 CHECKED - NJB  
 DATE - 02/05/2016

DESIGNED - JLM  
 REVISIONS -  
 REVISIONS -  
 REVISIONS -  
 REVISIONS -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 2 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	24
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



STREET AND DRIVEWAY PAVEMENT AND BASE COURSE														
START STATION - END STATION	NOTE	SIDE	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"	35501308 HOT-MIX ASPHALT BASE COURSE, 6"	35501316 HOT-MIX ASPHALT BASE COURSE, 8"	40200800 AGGREGATE SURFACE COURSE, TYPE B	40603335 HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50	40603565 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "E", N70	40701901 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"	40701951 HOT-MIX ASPHALT (FULL DEPTH), 13 1/2"	48203041 HOT-MIX ASPHALT SHOULDERS 11"	48203051 HOT-MIX ASPHALT SHOULDERS 13 1/2"	40700100 BITUMINOUS MATERIALS (TACK COAT)	44000165 HOT-MIX ASPHALT SURFACE REMOVAL, 4"
			SQ YD	SQ YD	SQ YD	TON	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	POUND	SQ YD
99+20.00 - 110+40.00		LT/RT	7020						5003		1221		3385	
56+00.00 - 57+46.00		LT/RT	597							392		96	177	
101+84.00		RT		69				8						
103+98.11		RT			159			18						
107+27.48		RT			88			10						
108+51.51		LT			73			9						
56+43.13		LT		163				19						
57+46.84 - 57+66.80	RR APPROACH	LT/RT							10				20	45
57+77.15 - 58+03.31	RR ACCESS	RT			18	20		2						
57+94.11 - 58+17.74	RR ACCESS	LT			15	22		2						
TOTAL			7617	232	353	42	68	10	5003	392	1221	96	3582	45

PAVEMENT MARKINGS																		
STATION - STATION	78000100	78000200	78000400					78000600	78000650	78100100			X7030030	X7030055	70300100	78300100	78100200	
	THERMOPLASTIC PAVEMENT MARKING										RAISED REFLECTIVE PAVEMENT MARKER		WET REFLECTIVE TEMPORARY TAPE, TYPE III			SHORT TERM PAVEMENT MARKING	PAVEMENT MARKING REMOVAL	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER
	LETTERS AND SYMBOLS	LINE 4"		LINE 6"			LINE 12"		LINE 24"	ONE-WAY		TWO-WAY	LINE 4"		LINE 24"			
	DOUBLE SOLID, YELLOW	SOLID, WHITE	SOLID, DIAGONAL RR CROSS HATCHING	SOLID, WHITE	SKIP-DASHED, WHITE	SOLID, YELLOW	SOLID, WHITE	SOLID, WHITE	CRYSTAL	AMBER	AMBER	SOLID, WHITE	SOLID, YELLOW	SOLID, WHITE				
	SQ FT	FOOT		FOOT			FOOT		EACH			FOOT			FOOT	SQ FT	EACH	
94+10.00 - 102+40.00		2150	640				18											
102+40.00 - 107+00.00	109.2	1204	603		165	32	31											
107+00.00 - 112+30.00	36.4	1449	20		102	34	49											
56+00.00 - 58+40.00	61.2	458	105	349			46	41										
94+10.00 - 102+40.00										2	26	4880	4880		225	3254	196	
102+40.00 - 108+00.00									5	6	14	3287	3360		180	2216	84	
108+00.00 - 112+30.00									2		22	2017	2544	35	140	1591	166	
56+00.00 - 58+40.00											8				83			
TOTALS	207	6629		682			144	119		85		20968	35	628	7061	446		

TEMPORARY INFORMATION SIGNING		
LOCATION	ROAD	(SQ FT)
		Z0030850
		TEMP INFO SIGNING
SOUTH LIMIT	IL 53	25.7
NORTH LIMIT	IL 53	25.7
WEST LIMIT	SMR	25.7
TOTAL		77.1

SIDEWALK		
STATION - STATION	SIDE	SQ FT
		42400200
		PORTLAND CEMENT CONCRETE SIDEWALK 5-INCH
108+83.87 - 109+25.24	LT	221
TOTALS		221

TEMPORARY CONCRETE BARRIER					
STATION - STATION	SIDE	STAGE	70400100	70600260	78200530
			TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	BARRIER WALL MARKERS, TYPE C
			FOOT	EACH	EACH
98+19.00 - 102+40.00	LT	3	421	1	17
102+40.00 - 103+92.00	LT	3	155	1	7
TOTALS			576	2	24

FILE NAME: c:\pwworking\nick.becker\transportation\dm1135\1162823-ait-schedule.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES		
SCALE:	SHEET	TO STA.
NTS	3 OF 5 SHEETS	N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	25
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

SIGNING				72000100	72400310	72400500	72800100	
STATION	OFFSET		SIGN #	SIGN DESCRIPTION	SIGN PANEL T1	REMOV SIGN PANEL T1	RELOC SIGN PANEL ASSY TA	TELES STL SIN SUPPORT
					SO FT	EACH	EACH	FOOT
	LT.	RT.						
IL53								
97+00		X	W10-3	RR XING	9.0			16.7
97+00		X	D3-1	STRIPMINE ROAD	1.0			
97+00		X	-	HI-PRISMATIC	0.6			
99+00		X	W1-2R	CURVE AHEAD	9.0			16.1
99+00		X	-	HI-PRISMATIC	0.6			
99+55	X		R2-1	SPEED LIMIT 35 MPH	5.0			14.3
101+62	X		M3-3	SOUTH	2.0			
101+62	X		M1-I100.2	ILLINOIS 53	4.0			14.8
101+62		X	W3-3	SIGNAL AHEAD	9.0			16.1
101+62		X	-	HI-PRISMATIC	0.6			
102+27		+36	W2-2	INTERSECTION WARNING		1		
103+45	+16		W1-8	WARNING ARROW		1		
104+43	+24		R2-1	SPEED LIMIT 35 MPH		1		
105+55		X	D1-2	CUSTER PARK			1.0	
104+87		X	N/A	WELCOME TO WILMINGTON			1.0	
105+33	+18		W1-8	WARNING ARROW		1		
105+35	X		R10-11b	NO TURN ON RED	9.0			Signal Mounted
106+47	X		R10-11A	NO TURN ON RED	7.5			Signal Mounted
106+47	X		R10-5	LEFT ON GREEN ARROW ONLY	7.5			Signal Mounted
106+47	X		R10-5	LEFT ON GREEN ARROW ONLY	7.5			Signal Mounted
106+47		X	R10-5	LEFT ON GREEN ARROW ONLY	7.5			Signal Mounted
106+85	X		R3-5R	RIGHT TURN ONLY	7.5			14.8
106+85	+46		R1-2	YIELD		1		
106+90		X	M3-1	NORTH	2.0			
106+90		X	M1-I100.2	ILLINOIS 53	4.0			14.8
107+17	+17		W1-8	WARNING ARROW		1		
107+34	+22		M1-I100.2	ILLINOIS 53		1		
107+50	X		W10-3	RR XING	9.0			14.8
107+50	X		-	HI-PRISMATIC	0.6			
107+65		X	I1-I107b	ADOPT-A-HIGHWAY	3.8			17.6
107+65		X	I1-I107c	KEEP ILLINOIS CLEAN	9.0			
107+80		+32	I1-I107b	ADOPT A HIGHWAY		1		
STREET - SUBTOTALS					116	8	2	140.0

SIGNING				72000100	72400310	72400500	72800100	
STATION	OFFSET		SIGN #	SIGN DESCRIPTION	SIGN PANEL T1	REMOV SIGN PANEL T1	RELOC SIGN PANEL ASSY TA	TELES STL SIN SUPPORT
					SO FT	EACH	EACH	FOOT
	LT.	RT.						
IL53								
107+88		X	D3-1	WEST RIVER RD	1.0			12.5
108+00		+46	D3-1	RIVER ROAD (ARROW)		1		
108+61		+16	R1-1	STOP		1		
108+61		X	R1-1	STOP	6.3			14.3
108+61		X	-	HI-PRISMATIC	0.6			
108+65		X	R5-1	DO NOT ENTER	6.3			14.3
108+65		X	-	HI-PRISMATIC	0.6			
108+87		X	R1-1	STOP	6.3			14.3
108+87		X	-	HI-PRISMATIC	0.6			
108+92		+35	R1-1	STOP		1		
109+00	+22		W1-8	WARNING ARROW		1		
109+00	X		W3-3	SIGNAL AHEAD	9.0			16.7
109+00	X		D3-1	STRIPMINE ROAD	1.0			
109+00	X		-	HI-PRISMATIC	0.6			
110+00	X		W2-2	T-INTERSECTION AHEAD	9.0			16.7
110+00	X		D3-1	WEST RIVER RD	1.0			
110+00	X		-	HI-PRISMATIC	0.6			
105+35		X	D3-1	STRIP MINE ROAD	9.0			Signal Mounted
106+00	X		M1-I100.2	ILLINOIS 53	6.8			Signal Mounted
106+47		X	D3-1	STRIP MINE ROAD	9.0			Signal Mounted
SMR								
50+00		X	W1-2aR	RIGHT CURVE SYMBOL W/SPEED	9.0			16.1
53+82		X	W10-1	RR XING	9.0			14.8
53+82		X	-	HI-PRISMATIC	0.6			
55+00		X	M2-1	JUNCTION	3.1			16.1
55+00		X	M1-I100.2	ILLINOIS 53	9.0			
56+15		X	W10-8	TRAINS MAY EXCEED 80 MPH	6.3			15.4
56+15		X	-	HI-PRISMATIC	0.6			
57+16		X	R10-6	STOP HERE ON RED	6.0			Signal Mounted
56+91		X	R8-8	DO NOT STOP ON TRACKS	5.0			17.3
56+91		X	R10-11A	NO TURN ON RED	7.5			
58+00		X	R8-8	DO NOT STOP ON TRACKS	5.0			14.3
58+40	+72		W10-1	GRADE CROSSING ADVANCED WARNING		1		
58+23	X		W10-8	TRAINS MAY EXCEED 80 MPH	6.3			15.4
58+23	X		-	HI-PRISMATIC	0.6			
58+50	X		W10-1	RR XING	9.0			14.8
58+50	X		-	HI-PRISMATIC	0.6			
58+88	+42		R1-1	STOP		1		
STREET - SUBTOTALS					145	6	0	213
TOTAL					261	14	2	353

TRAFFIC CONTROL		
	70103815	X7010216
	TRAFFIC CONTROL SURVEILLANCE	TRAFFIC CONTROL AND PROTECTION (SPECIAL)
CONSTRUCTION STAGE	CAL DA	L SUM
1	10	
2	15	
3	15	
4	5	
1, 2, 3		0.5
TOTALS	45	0.5

TEMPORARY ACCESS			
		X4021000	X4022000
	TEMPORARY ACCESS (PRIVATE ENTRANCE)		TEMPORARY ACCESS (COMMERCIAL ENTRANCE)
START STATION	END STATION	SIDE	
-	-		EACH EACH
97+74.00	98+04.00	RT	1
98+45.00	98+75.00	RT	1
101+63.00	102+05.00	RT	1
56+36.00	56+50.00	LT	1
57+00.00	57+35.00	LT	1
103+64.00	104+31.00	RT	1
106+87.00	107+70.00	RT	1
108+20.00	108+87.00	LT	1
TOTAL			5 3

MASONRY REMOVAL		
		50102700
		MASONRY REMOVAL AREA (CU YD)
STATION - STATION	SIDE	
99+20.00 - 101+20.00	LT	5
TOTALS		5

TEMPORARY METAL POST		
		72900100
		METAL POST TYPE A
STATION	SIDE	FOOT
100+97.00	RT	13.8
100+94.00	LT	13.8
103+05.00	LT	13.8
105+20.00	LT	13.8
TOTALS		55

FILE NAME: c:\ywork\hwy\erin.swanson\transportation\11336\0162833-apt-schedule.dwg



USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISED -	
PLOT SCALE = 48.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 4 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	26
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

CURB AND GUTTER							
		60603500	60605000	60608562	60610400	60618300	60600095
		COMBINATION CONCRETE CURB AND GUTTER				CONCRETE MEDIAN SURFACE, 4 INCH	CLASS SI CONCRETE (OUTLET)
		TYPE B-6.06	TYPE B-6.24	TYPE M-4.12	TYPE M-6.24		
STATION - STATION	SIDE	FOOT	FOOT	FOOT	FOOT	SQ FT	CU YD
56+19.00 - 57+57.00	LT				144		
57+64.00 - 58+15.00	RT				64		
105+30.81 - 108+00.0	RT	41	331				
108+73.58 - 110+20.4	RT		151				
105+56.12 - 110+35.0	LT		526				
105+45.00 - 105+50.0	RT						2
108+00.00 - 108+07.8	RT						1
108+57.00 - 108+74.0	RT			39		57	
108+73.58 - 108+84.1	RT						1
110+04.15 - 110+20.4	RT						2
56+19.00 - 56+26.00	LT						1
56+30.43 - 57+41.00	RT		108				
56+88.00 - 56+98.00	LT						1
56+94.00 - 57+00.00	RT						1
TOTALS		41	1116	39	208	57	9

EARTHWORK SCHEDULE									
				20200100	20201200			30300001	
START STATION	END STATION	STAGE	ROAD	EARTH EXCAVATION (CU YD)	*REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	**EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	***AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	EARTHWORK BALANCE WASTE (+) (CU YD)
94+10.00	111+71.53	1	IL53	440	45	336	426	45	-90
94+10.00	111+71.53	2	IL53	2041	382	1410	820	382	590
94+10.00	111+71.53	3	IL53	2564	455	1793	1	455	1792
94+10.00	111+71.53	4	IL53	1415	0	1203	0	0	1203
56+00.00	58+73.74	2	SMR	549	0	467	296	0	171
TOTALS				7009	882	5209	1543	882	3666

- \*REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL 3' UNDERCUT FROM STA 100+00 TO STA 103+00 (SEE GENERAL NOTES)
- \*\* EARTH SHRINKAGE FACTOR = 15%
- \*\*\*AGGREGATE SUBGRADE IMPROVEMENT FOR 3' UNDERCUT FROM STA 100+00 TO STA 103+00 (SEE GENERAL NOTES)

EROSION CONTROL				20101000	28000400	28000250	28000305	28000510
				TEMPORARY FENCE	PERIMETER EROSION BARRIER	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET FILTERS
STATION - STATION	SIDE	STAGE	FOOT	FOOT	POUND	FOOT	EACH	
96+00.00 - 97+80.00	RT	1			3.2			
97+92.00 - 98+51.00	RT	1			0.5			
98+65.00 - 103+75.00	RT	1			19.9			
104+20.00 - 105+96.00	RT	1			4.4			
106+39.00 - 107+03.00	RT	1			0.5			
107+51.00 - 107+96.00	RT	1			0.4			
108+91.00 - 110+61.00	RT	1			1.1			
110+75.00 - 111+99.00	RT	1			1.2			
92+50.00 - 105+36.00	LT	2			30.3			
99+00.00	RT	1				10		
101+00.00	RT	1				10		
103+05.00	RT	1				15		
105+00.00	RT	1				15		
106+40.00	RT	1				15		
99+28.00	LT	2				10		
101+00.00	LT	2				10		
103+00.00	LT	2				15		
104+45.00	LT	2				15		
106+78.00	LT	2				20		
OFFSET								
101+70.00	36'	RT	3				1	
101+98.00	36'	RT	3				1	
102+13.00	36'	RT	3				1	
104+25.00	31'	RT	3				1	
108+11.00	65'	RT	1				1	
105+31.00	64'	LT	2				1	
106+51.00	62'	LT	2				1	
106+96.00	55'	LT	2				1	
100+40.00	33'	LT	2				1	
100+52.00	36'	RT	3				1	
STATION								
94+22.00 - 104+81.00	LT	2,4	1088					
98+50.00 - 101+80.00	RT	1,3	367					
98+69.00 - 98+76.00	RT	2	29					
98+84.00 - 98+91.00	RT	2	28					
98+91.00 - 98+98.00	RT	2	27					
56+05.00 - 56+37.00	LT	2,4		40				
56+49.00 - 57+09.00	LT	2,4		71				
57+01.00 - 57+18.00	LT	2,4		60				
57+25.00 - 57+42.00	LT	2,4		18				
56+00.00 - 56+59.00	RT	1,3		62				
56+87.00 - 57+18.00	RT	1,3		32				
57+53.00 - 57+56.00	RT	1,3		10				
57+89.00 - 57+98.00	LT	2,4		13				
58+11.00 - 58+48.00	LT	2,4		51				
99+04.00 - 105+21.00	LT	2,4		650				
108+75.00 - 110+46.00	RT	1,3		174				
108+80.00 - 109+33.00	LT	2,4		55				
109+42.00 - 110+40.00	LT	2,4		99				
TOTALS				1539	1335	62	135	10

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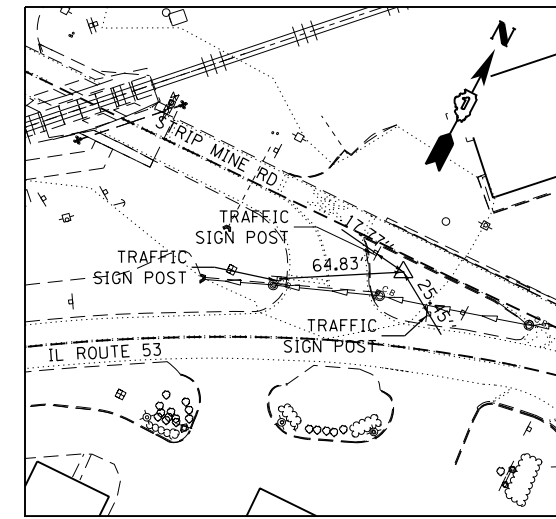
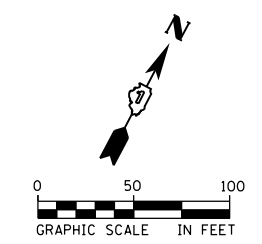


USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

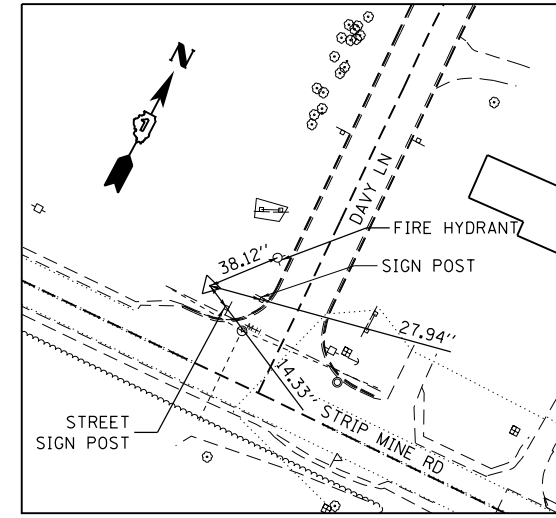
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: NTS	SHEET 5 OF 5 SHEETS	STA. N/A TO STA. N/A	

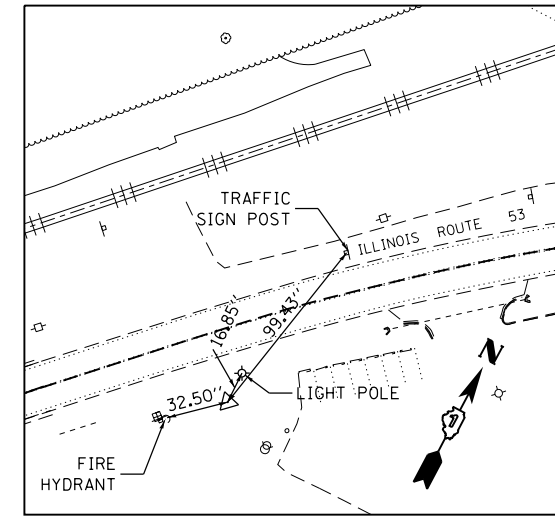
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B33	



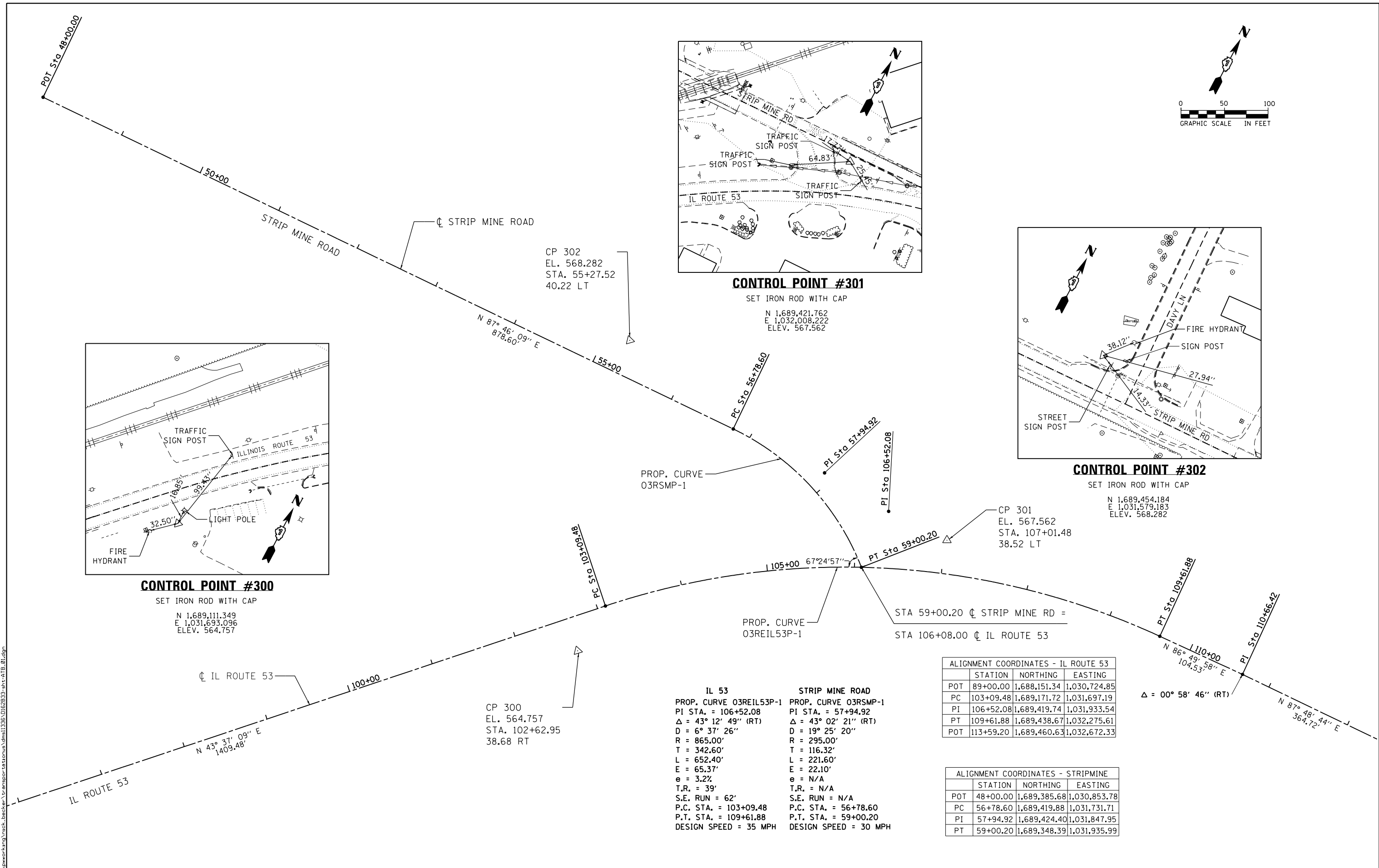
**CONTROL POINT #301**  
 SET IRON ROD WITH CAP  
 N 1,689,421.762  
 E 1,032,008.222  
 ELEV. 567.562



**CONTROL POINT #302**  
 SET IRON ROD WITH CAP  
 N 1,689,454.184  
 E 1,031,579.183  
 ELEV. 568.282



**CONTROL POINT #300**  
 SET IRON ROD WITH CAP  
 N 1,689,111.349  
 E 1,031,693.096  
 ELEV. 564.757



ALIGNMENT COORDINATES - IL ROUTE 53

STATION	NORTHING	EASTING
POT 89+00.00	1,688,151.34	1,030,724.85
PC 103+09.48	1,689,171.72	1,031,697.19
PI 106+52.08	1,689,419.74	1,031,933.54
PT 109+61.88	1,689,438.67	1,032,275.61
POT 113+59.20	1,689,460.63	1,032,672.33

ALIGNMENT COORDINATES - STRIPMINE

STATION	NORTHING	EASTING
POT 48+00.00	1,689,385.68	1,030,853.78
PC 56+78.60	1,689,419.88	1,031,731.71
PI 57+94.92	1,689,424.40	1,031,847.95
PT 59+00.20	1,689,348.39	1,031,935.99

**IL 53**  
 PROP. CURVE O3REIL53P-1  
 PI STA. = 106+52.08  
 $\Delta = 43^\circ 12' 49''$  (RT)  
 D = 6° 37' 26"  
 R = 865.00'  
 T = 342.60'  
 L = 652.40'  
 E = 65.37'  
 e = 3.2%  
 T.R. = 39'  
 S.E. RUN = 62'  
 P.C. STA. = 103+09.48  
 P.T. STA. = 109+61.88  
 DESIGN SPEED = 35 MPH

**STRIP MINE ROAD**  
 PROP. CURVE O3RSMP-1  
 PI STA. = 57+94.92  
 $\Delta = 43^\circ 02' 21''$  (RT)  
 D = 19° 25' 20"  
 R = 295.00'  
 T = 116.32'  
 L = 221.60'  
 E = 22.10'  
 e = N/A  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 56+78.60  
 P.T. STA. = 59+00.20  
 DESIGN SPEED = 30 MPH

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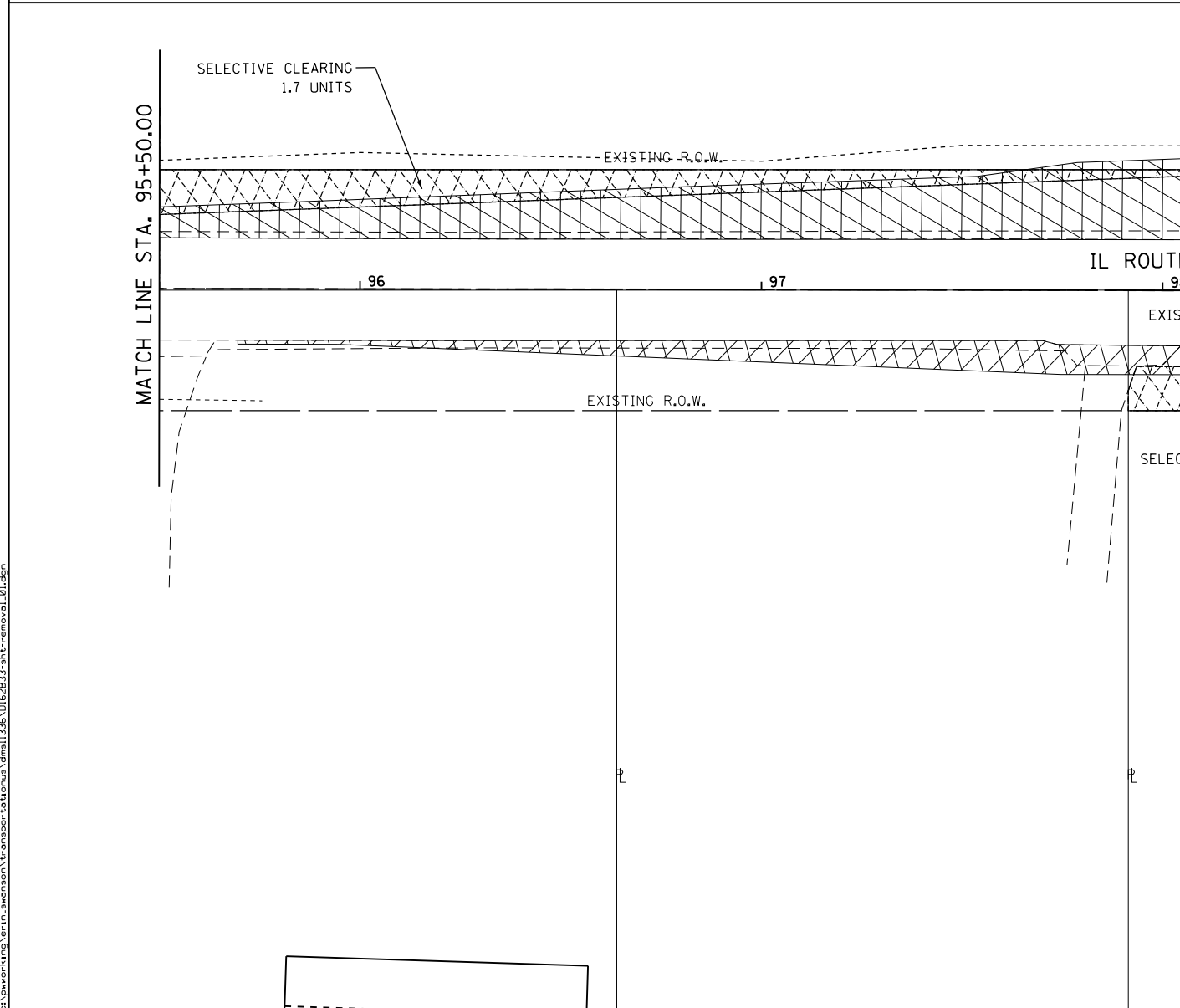
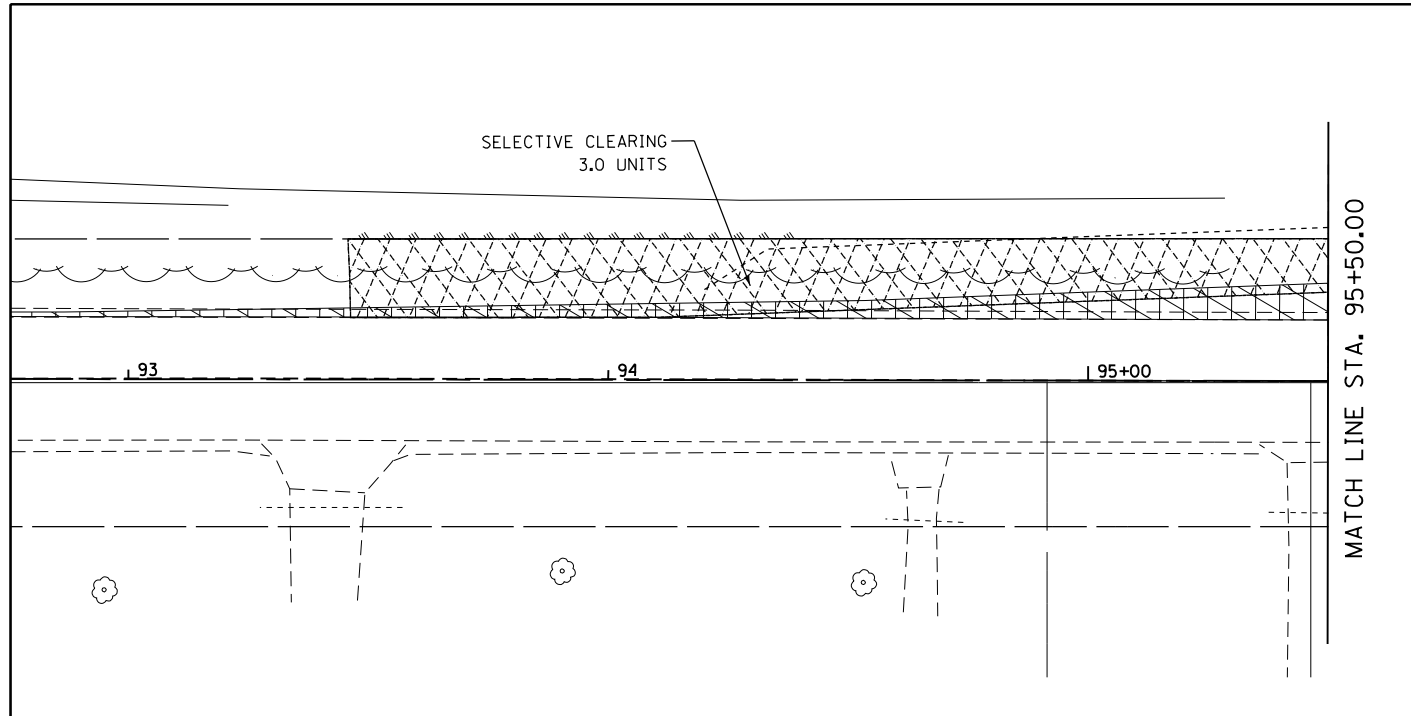


USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

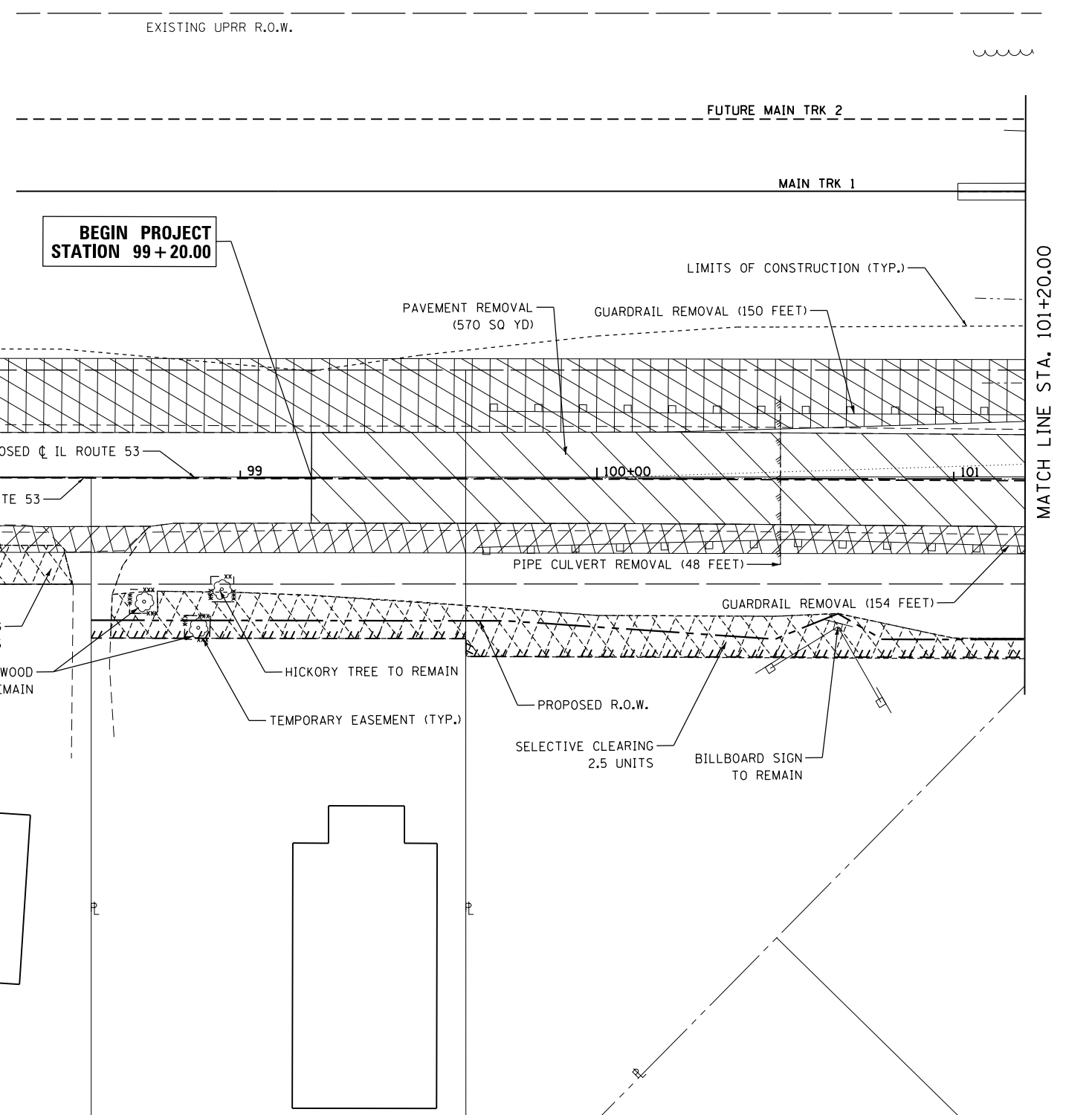
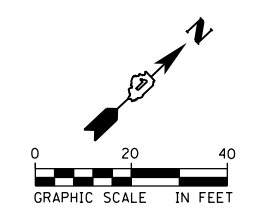
ALIGNMENTS, TIES, AND BENCHMARKS  
 SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 28
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



### REMOVAL LEGEND

PAVEMENT REMOVAL	CULVERT REMOVAL
DRIVEWAY PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL
CURB & GUTTER REMOVAL	TEMPORARY PAVEMENT REMOVAL
SIGN REMOVAL	SELECTIVE CLEARING
GUARDRAIL REMOVAL	TEMPORARY FENCE
SIDEWALK REMOVAL	



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<b>AECOM</b>	USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISOR -	REVISOR -
	PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISOR -
	PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS  
ILLINOIS ROUTE 53**

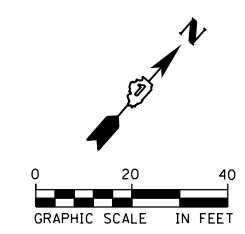
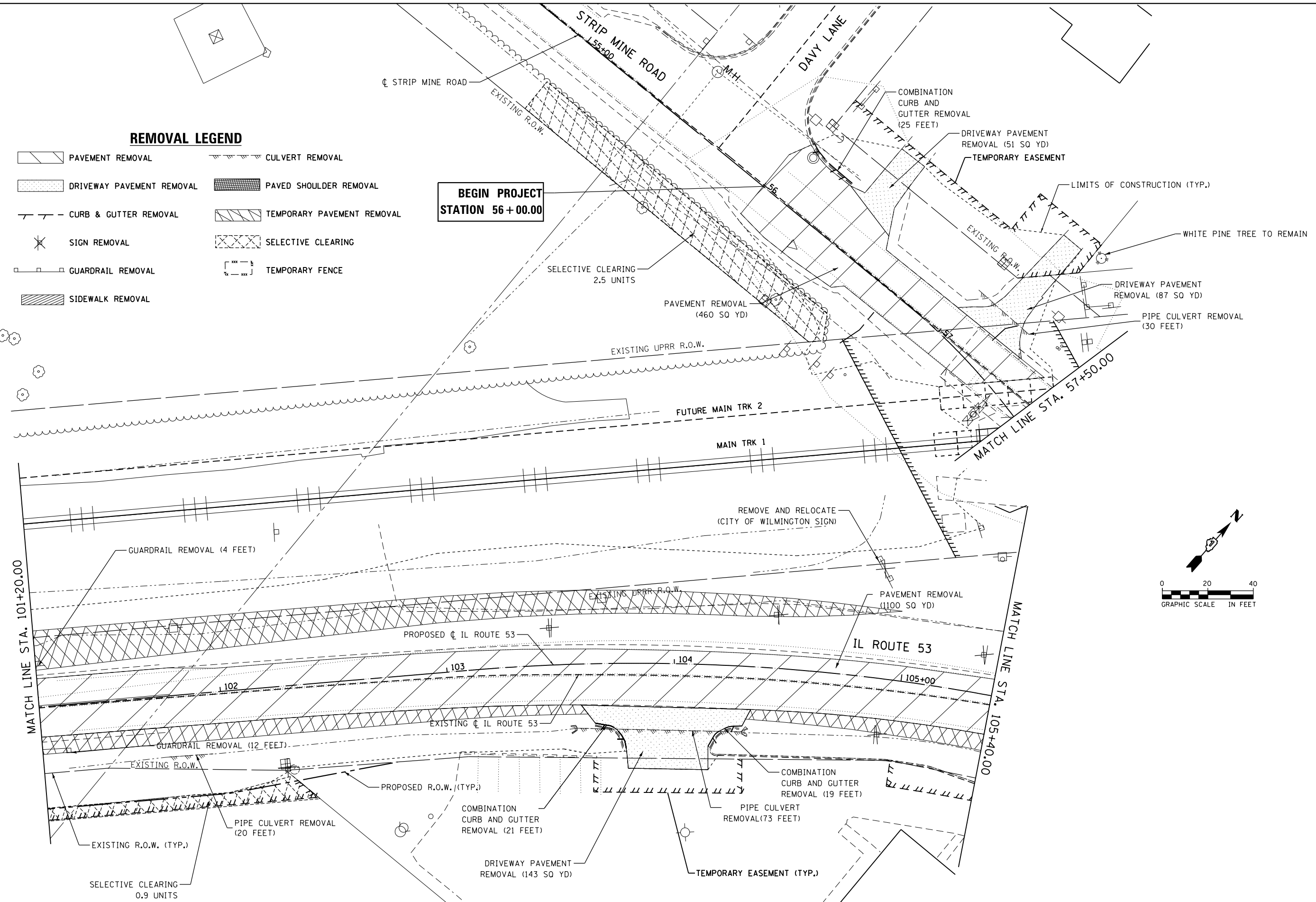
SCALE: 1" = 20'    SHEET 1 OF 3 SHEETS    STA. 96+00.00 TO STA. 101+20.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	29
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

**REMOVAL LEGEND**

	PAVEMENT REMOVAL		CULVERT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL		PAVED SHOULDER REMOVAL
	CURB & GUTTER REMOVAL		TEMPORARY PAVEMENT REMOVAL
	SIGN REMOVAL		SELECTIVE CLEARING
	GUARDRAIL REMOVAL		TEMPORARY FENCE
	SIDEWALK REMOVAL		

**BEGIN PROJECT  
STATION 56 + 00.00**



FILE NAME: c:\ywork\working\mick\_becker\transportation\dm11335\_01628233-ah-tr-removal\_82.dgn

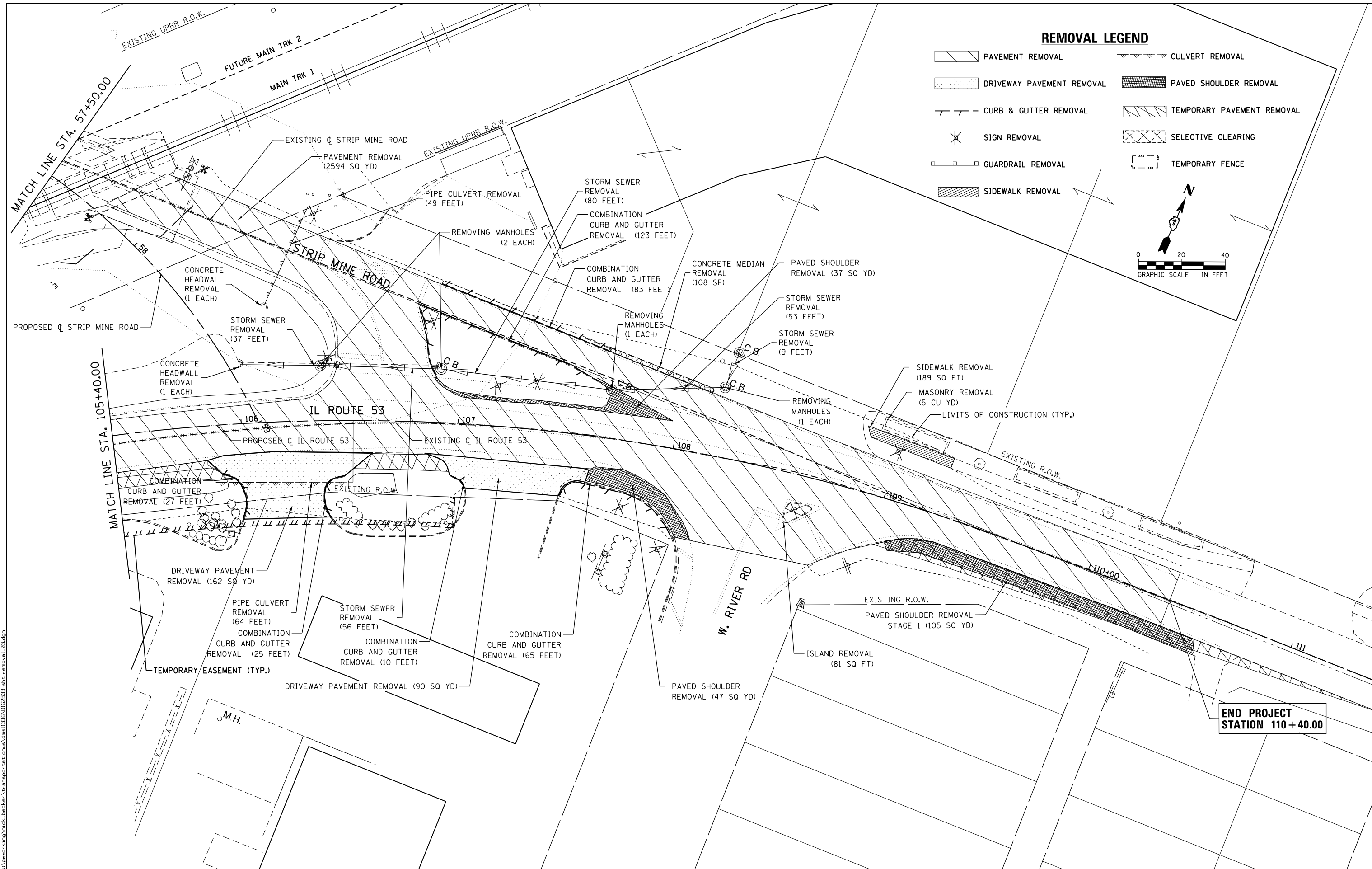


USER NAME = nick_becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000 Ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

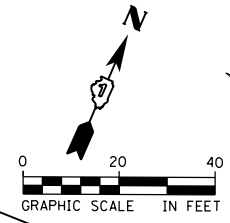
<b>REMOVAL PLANS</b>	
<b>ILLINOIS ROUTE 53/STRIPMINE ROAD</b>	
SCALE: 1" = 20'	SHEET 2 OF 3 SHEETS STA. 101+20.00 TO STA. 105+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	30
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



**REMOVAL LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- CURB & GUTTER REMOVAL
- SIGN REMOVAL
- GUARDRAIL REMOVAL
- SIDEWALK REMOVAL
- CULVERT REMOVAL
- PAVED SHOULDER REMOVAL
- TEMPORARY PAVEMENT REMOVAL
- SELECTIVE CLEARING
- TEMPORARY FENCE



FILE NAME: c:\ywork\hunting\nick\_becker\transport\station\dm11335\DI628233-akt-r-removal\_83.dgn



USER NAME = nick_becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS  
ILLINOIS ROUTE 53**

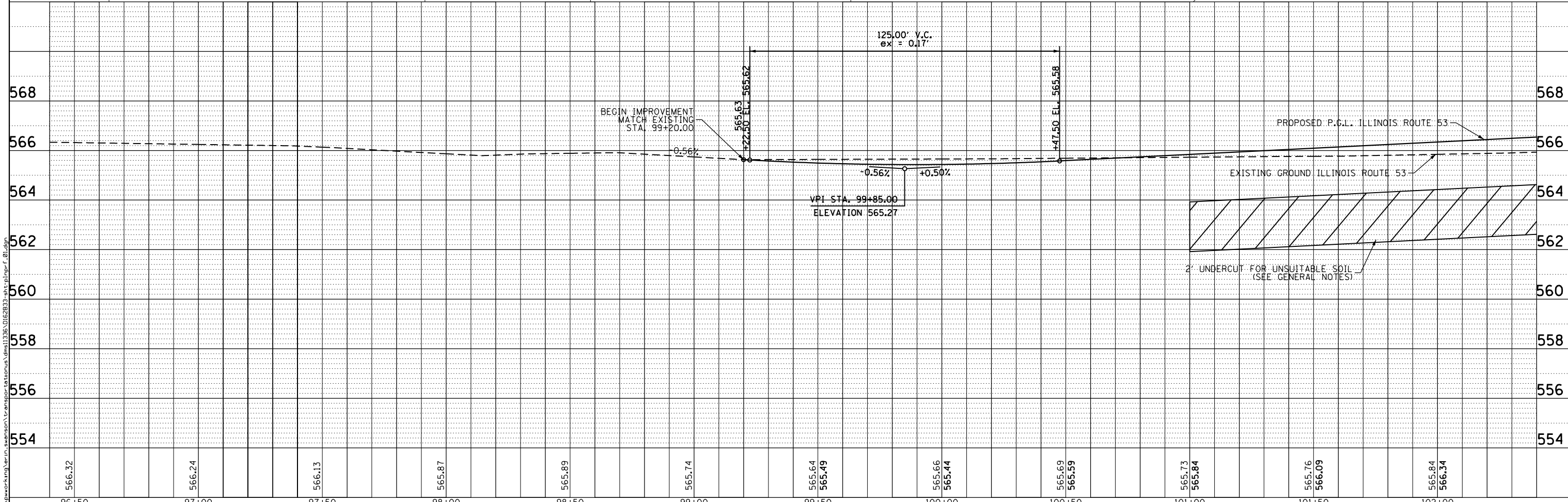
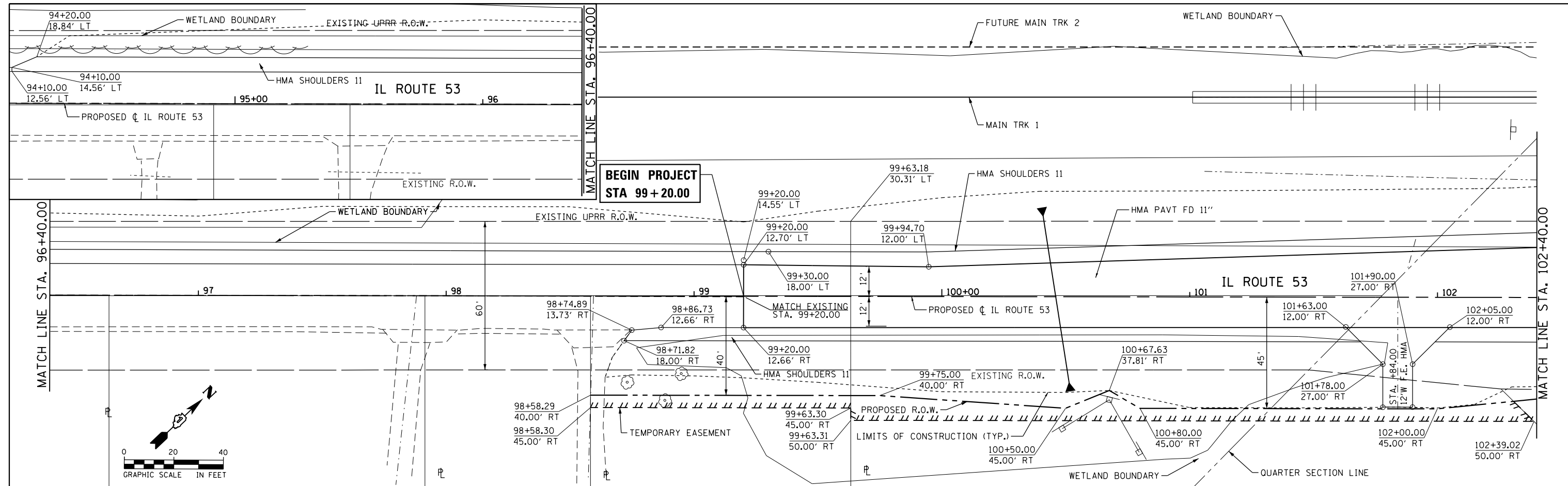
SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 105+40.00 TO STA. 110+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	31
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

**END PROJECT  
STATION 110 + 40.00**

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

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

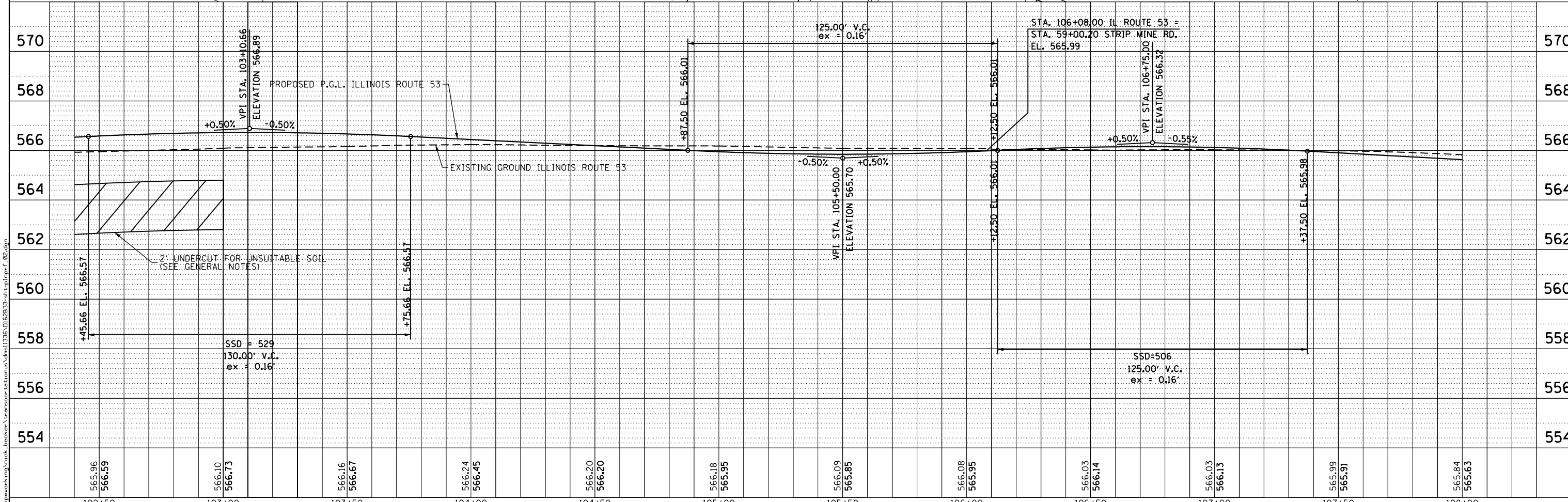
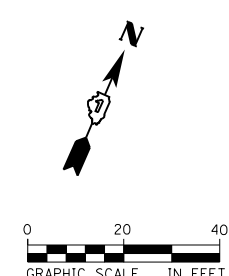
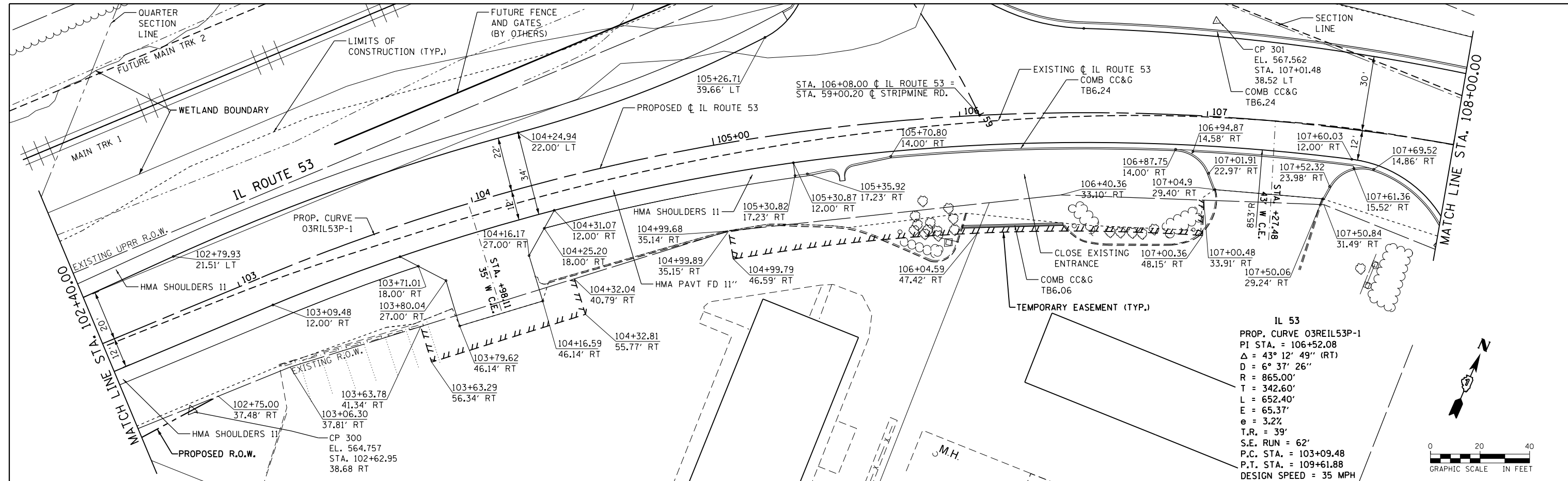


<b>AECOM</b>	USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILES</b> <b>ILLINOIS ROUTE 53</b>			F.A.P. RTE. 846	SECTION DIHSRR2016-02	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 32	
	PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -		SCALE: 1" = 20'	SHEET 1	OF 4 SHEETS	STA. 94+00.00	TO STA. 102+40.00	CONTRACT NO. 62B33			
	PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -		ILLINOIS FED. AID PROJECT								



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
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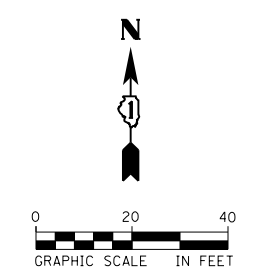
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	PLOTTED	
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	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CPAD	
	NO.	



	USER NAME = nick.becker	DESIGNED - JLM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILES</b> <b>ILLINOIS ROUTE 53</b>		F.A.P. R.T. = 846	SECTION = DIHSRR2016-02	COUNTY = WILL	TOTAL SHEETS = 580	SHEET NO. = 33	
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	PLOT DATE = 3/23/2016	DATE = 02/05/2016	REVISED -									

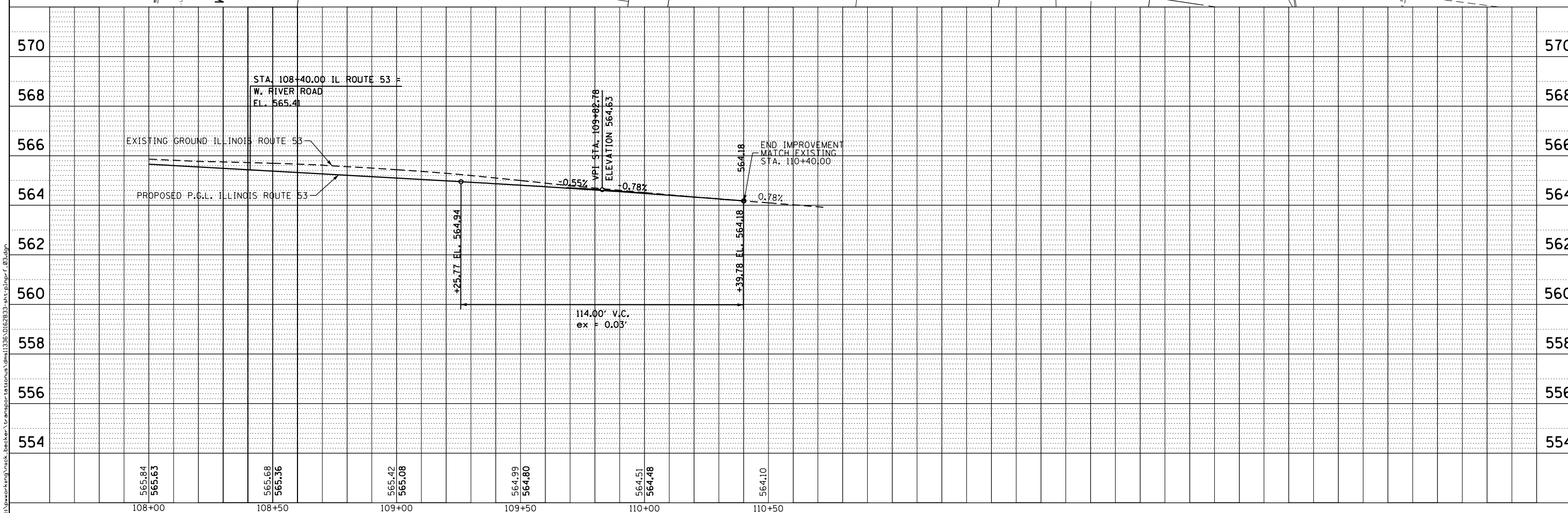
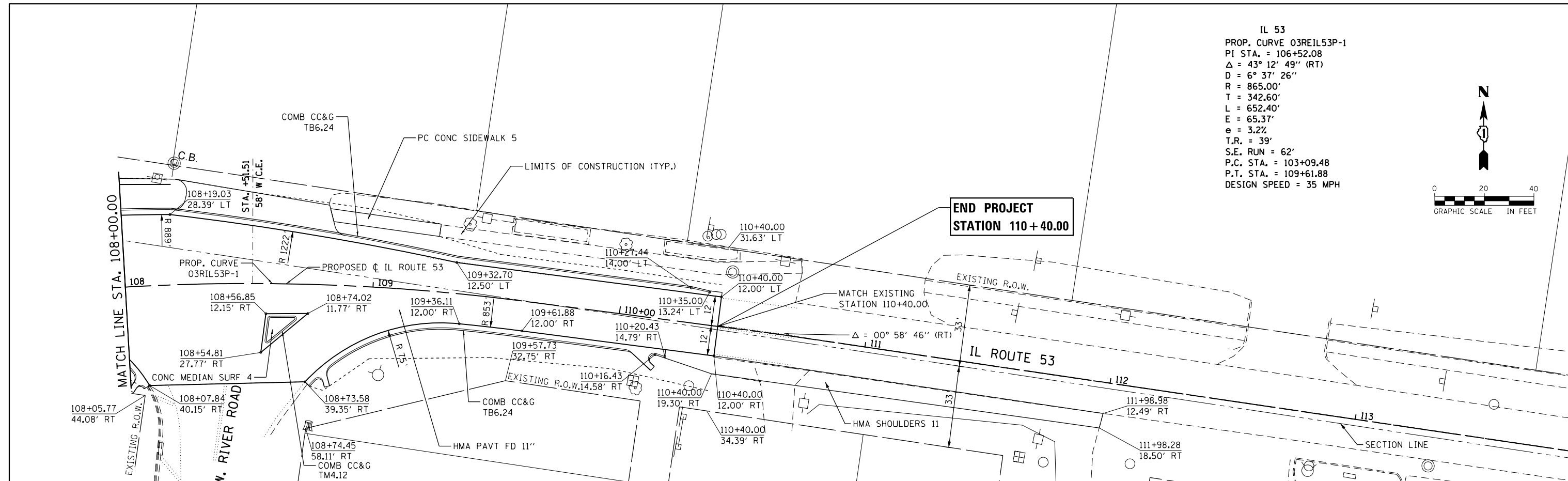
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IL 53  
 PROP. CURVE 03REIL53P-1  
 PI STA. = 106+52.08  
 $\Delta = 43^\circ 12' 49''$  (RT)  
 D = 6° 37' 26"  
 R = 865.00'  
 T = 342.60'  
 L = 652.40'  
 E = 65.37'  
 e = 3.2%  
 T.R. = 39'  
 S.E. RUN = 62'  
 P.C. STA. = 103+09.48  
 P.T. STA. = 109+61.88  
 DESIGN SPEED = 35 MPH



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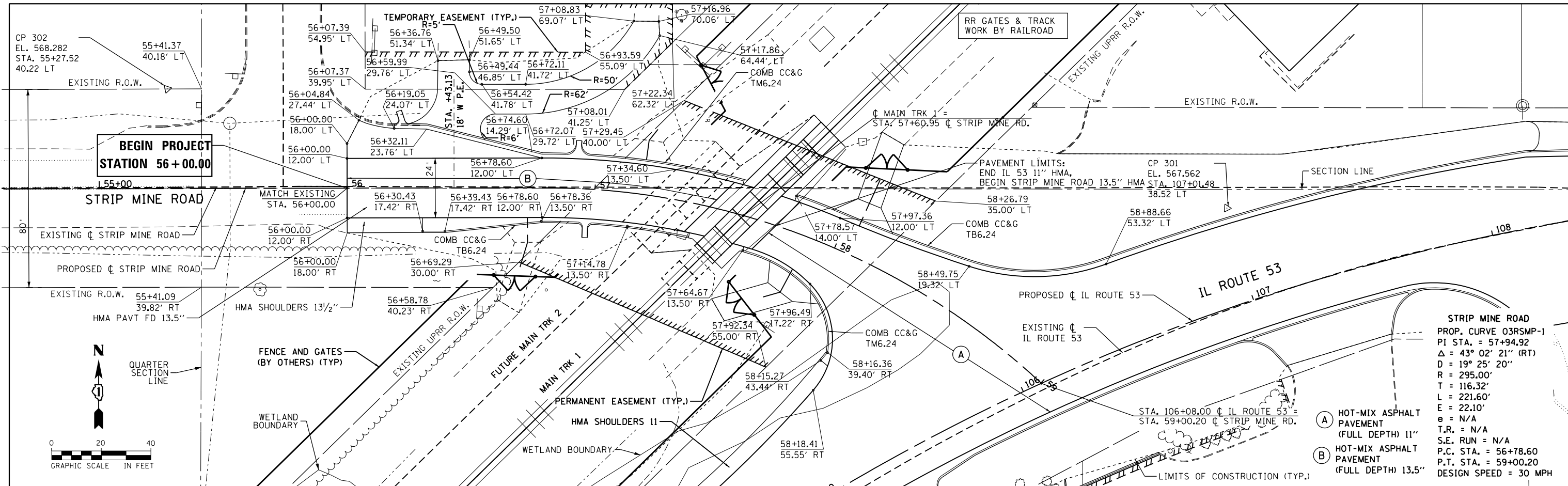
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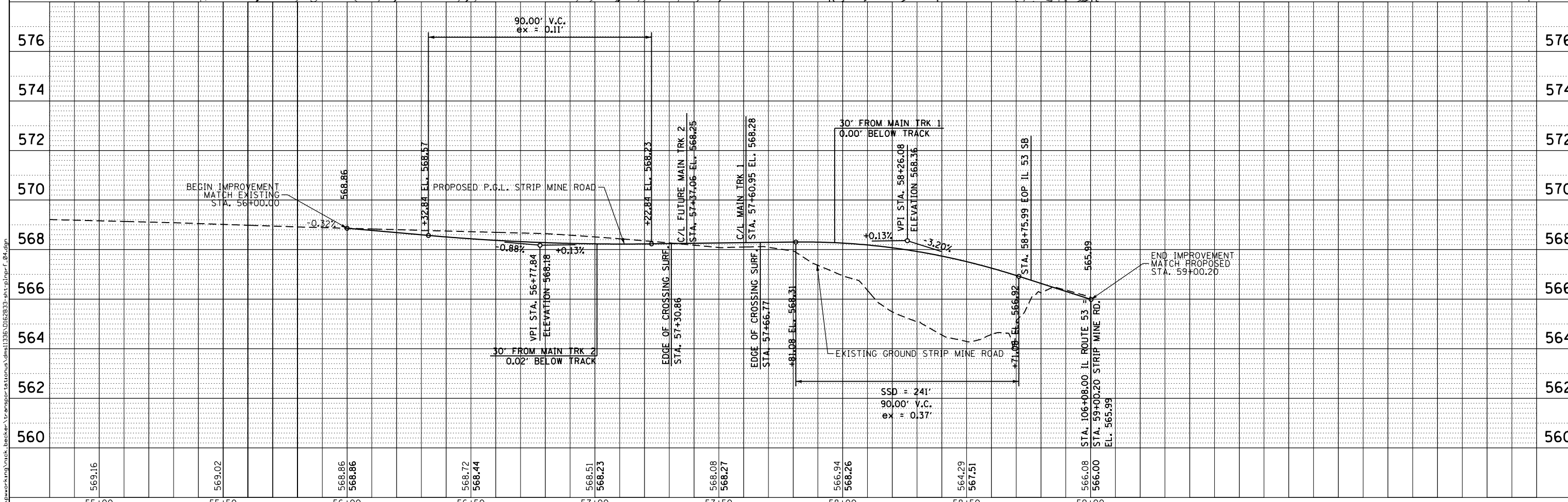
<b>AECOM</b>	USER NAME = nick.becker	DESIGNED - JLM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILES ILLINOIS ROUTE 53</b>		F.A.P. RTE. = 846	SECTION = DIHSRR2016-02	COUNTY = WILL	TOTAL SHEETS = 580	SHEET NO. = 34	
	PLOT SCALE = 40.0000 Ft / in.	CHECKED - NJB	REVISED -				CONTRACT NO. 62B33					
	PLOT DATE = 3/23/2016	DATE = 02/05/2016	REVISED -				ILLINOIS FED. AID PROJECT					
							SCALE: 1" = 20'	SHEET 3 OF 4 SHEETS	STA. 108+00.00 TO STA. 110+40.00			

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

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



- STRIP MINE ROAD**  
 PROP. CURVE Q3RSMP-1  
 PI STA. = 57+94.92  
 $\Delta = 43^\circ 02' 21''$  (RT)  
 $D = 19^\circ 25' 20''$   
 $R = 295.00'$   
 $T = 116.32'$   
 $L = 221.60'$   
 $E = 22.10'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 P.C. STA. = 56+78.60  
 P.T. STA. = 59+00.20  
 DESIGN SPEED = 30 MPH
- (A) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 11"  
 (B) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 13.5"



55+00	55+50	56+00	56+50	57+00	57+50	58+00	58+50	59+00
569.16	569.02	568.86 568.86	568.72 568.44	568.51 568.23	568.08 568.27	566.94 568.26	564.29 567.51	566.08 566.00



USER NAME	= nick.becker
DESIGNED	- JLM
DRAWN	- BWL, EKS
CHECKED	- NUB
DATE	- 02/05/2016

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILES  
STRIP MINE ROAD

SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. 56+00.00 TO STA. 59+00.20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02	WILL	580	35
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

**TRAFFIC CONTROL AND PROTECTION GENERAL NOTES**

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, THESE NOTES, APPLICABLE SPECIAL PROVISIONS, AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISIONS.

THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS SHALL BE REPLACED BY THE CONTRACTOR.

TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH BI-DIRECTIONAL STEADY-BURN LIGHTS SHALL BE REQUIRED ALONG TEMPORARY PAVEMENT, DETOURS AND SIDE STREETS WHERE TEMPORARY CONCRETE BARRIER IS NOT BEING USED TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE. THE MAXIMUM SPACING FOR THESE DEVICES SHALL BE 50 FEET CENTER TO CENTER IN TANGENT SECTIONS AND 20' IN TAPERS AND CURVES.

UNLESS OTHERWISE SHOWN WITH TRAFFIC CONTROL BARRIER, ANY DROP OFF GREATER THAN THREE (3) INCHES BUT LESS THAN TWENTY-FOUR (24) INCHES, WITHIN THREE (3) FEET OF THE PAVEMENT EDGE, SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT CENTER TO CENTER SPACING. IF THE DROP OFF WITHIN THREE (3) FEET OF THE PAVEMENT EDGE EXCEEDS SIX (6) INCHES, THE DROP OFF SHALL BE PROTECTED BY PINNED TEMPORARY TRAFFIC CONTROL BARRIER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.

TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.

TYPE I, II AND/OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.

THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS, SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

TEMPORARY CONCRETE BARRIER SHALL BE REQUIRED AS SHOWN IN THE TRAFFIC CONTROL PLANS.

WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.

ARROW BOARDS SHALL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.

CHANGEABLE L.E.D. MESSAGE BOARDS SHALL BE IN OPERATION A MINIMUM 3 DAYS IN ADVANCE OF CONSTRUCTION, AND REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. SEE STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN SHEETS FOR NUMBER AND GENERAL LOCATION OF MESSAGE BOARDS.

SIGNING FOR ALL COMMERCIAL ENTRANCES SHALL FOLLOW DISTRICT 1 DETAIL TC-26.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

**MAINTENANCE OF TRAFFIC NOTES (GENERAL)**

SEE STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEET 2 FOR PROPOSED TYPICAL SECTIONS OF VARIOUS ROADWAYS FOR ROADWAY-SPECIFIC SUGGESTED TRAFFIC STAGING AND CONSTRUCTION NOTES.

THE PURPOSE FOR CONSTRUCTION STAGING IS TO FACILITATE TRAFFIC FLOW AND MINIMIZE DELAYS TO THE MOTORIST. THE CONTRACTOR MAY IMPROVE OR MODIFY THE SEQUENCE OF CONSTRUCTION AS SUGGESTED ON THE PLANS HEREIN. ANY CONTRACTOR-PROPOSED TRAFFIC CONTROL PLANS SHALL BE SUBMITTED FOR REVIEW BY AND THE WRITTEN APPROVAL OF THE ENGINEER.

PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED TRAFFIC CONTROL DEVICES (SIGNAGE, STRIPING, ETC.) SHALL BE IN PLACE.

THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION STAGING OPERATIONS WITH THE RAILROAD. RAILROAD OPERATIONS SHALL BE RESPONSIBLE FOR ANY RAILROAD SIGNAL AND CROSSING GATE MODIFICATIONS REQUIRED AS PART OF ROADWAY STAGING OPERATIONS.

ALL TRAFFIC CONTROL SHOWN IN THESE PLANS SHALL BE INCLUDED IN THE PAY ITEM OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.

ALL SIGNS NOT APPLICABLE AT ANY GIVEN TIME SHALL BE COVERED OR REMOVED.

THE FURNISHING, INSTALLATION, RELOCATION AND REMOVAL OF ALL TRAFFIC CONTROL SIGNS, DETOUR SIGNS, AND TRAFFIC CONTROL DEVICES SHOWN ON THESE STAGE CONSTRUCTION AND TRAFFIC CONTROL PLANS AND THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION (SPECIAL)". THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL SIGNS AS REQUIRED BY THE ENGINEER, THE COST OF WHICH WILL ALSO BE INCLUDED IN "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

THE CONTRACTOR SHALL COORDINATE DETOUR ROUTE WITH ADJACENT CONSTRUCTION OPERATIONS ON RAIL CROSSING 290503R (STRIP MINE RD). DETOUR CANNOT UTILIZE ROADS UNDER CONSTRUCTION.

THE CONTRACTOR SHALL MINIMIZE THE TIME THAT THE WEST LEG OF STRIP MINE ROAD IS CLOSED AND OPEN THE ROADWAY TO TRAFFIC AS DIRECTED BY THE ENGINEER.

WILL COUNTY DOT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF THE CLOSURE OF STRIP MINE ROAD.

ALL RAILROAD WARNING DEVICES SHALL BE CONSTRUCTED / REMOVED / MODIFIED BY UPRR FORCES AND ARE NOT INCLUDED IN THE IDOT LETTING. COORDINATE CONSTRUCTION OF ROADWAY AND IDOT STAGES OF CONSTRUCTION AND TRAFFIC CONTROL WITH UPRR.

RAILROAD CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF RAILROAD SIGNAL FOUNDATIONS.

RAILROAD FLAGGERS SHALL BE REQUIRED DURING RAILROAD SIGNAL CONSTRUCTION, INCLUDING IDOT STAGING. AT NO COST TO THE IDOT CONTRACTOR.

GATE LENGTH MEASURED FROM CENTER OF GATE ARM POST FOUNDATION TO TIP OF GATE.

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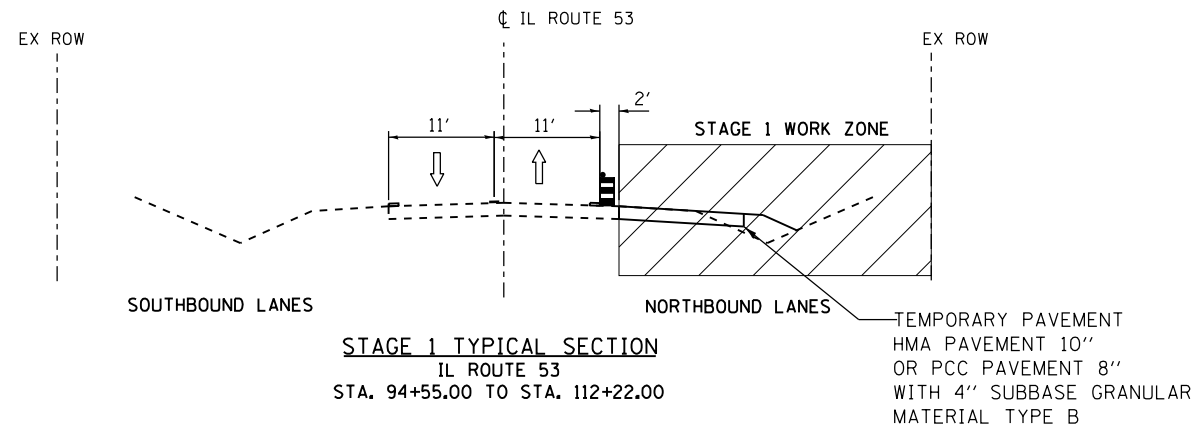
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

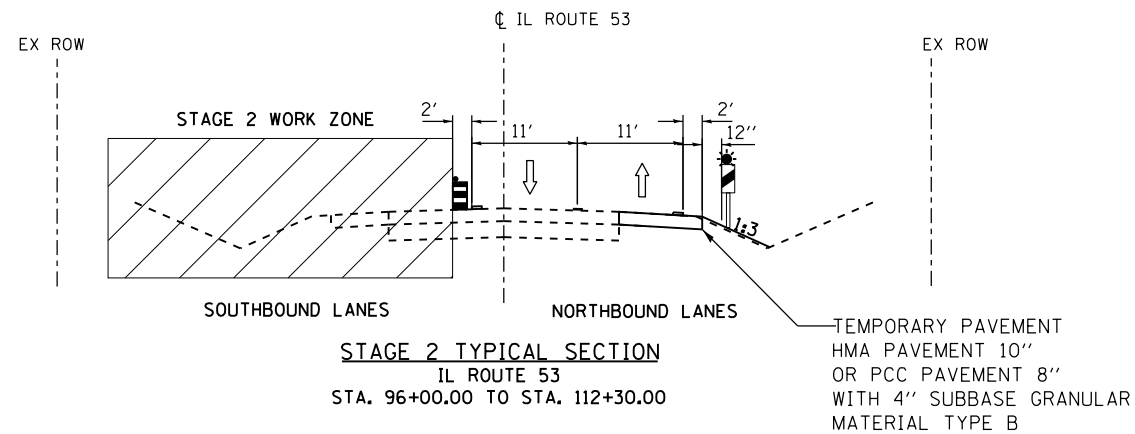
**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
GENERAL STAGING NOTES**

SCALE: NTS SHEET 1 OF 15 SHEETS STA. N/A TO STA. N/A

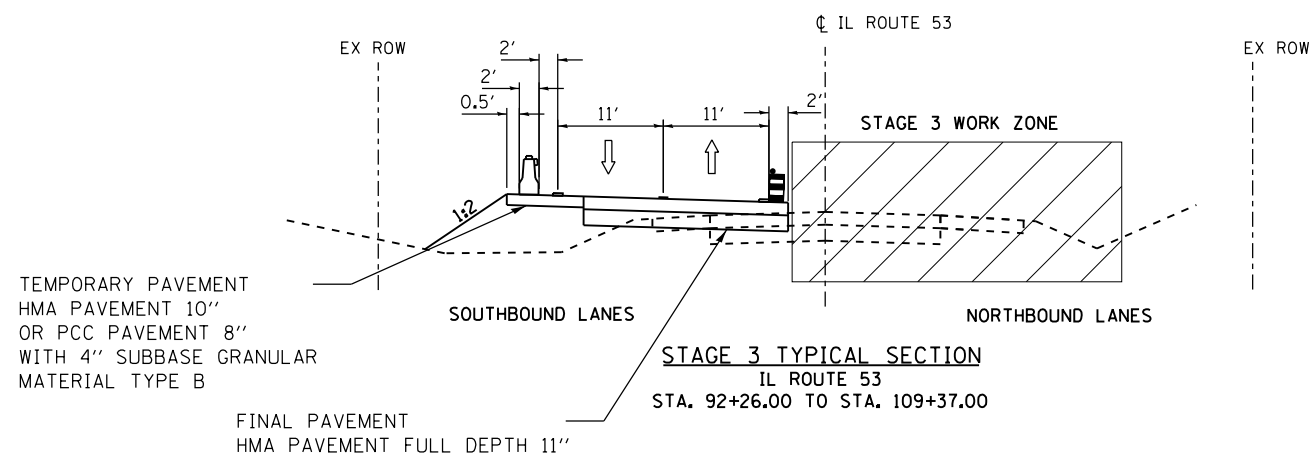
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	36
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



**STAGE 1 TYPICAL SECTION**  
IL ROUTE 53  
STA. 94+55.00 TO STA. 112+22.00

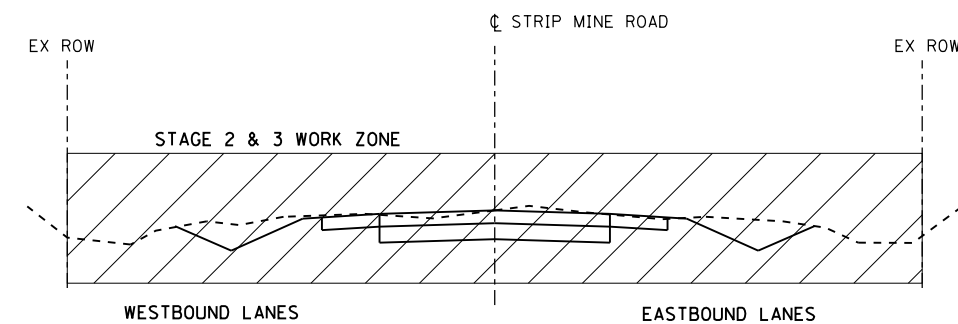


**STAGE 2 TYPICAL SECTION**  
IL ROUTE 53  
STA. 96+00.00 TO STA. 112+30.00



**STAGE 3 TYPICAL SECTION**  
IL ROUTE 53  
STA. 92+26.00 TO STA. 109+37.00

FINAL PAVEMENT  
HMA PAVEMENT FULL DEPTH 11"



**STAGE 2 & STAGE 3 TYPICAL SECTION**  
STRIP MINE ROAD  
STA. 56+00.00 TO STA. 59+00.20

**PAVEMENT MARKING LEGEND**

- TEMPORARY PAVEMENT MARKING  
-LINE 4" (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING  
-LINE 4" (DOUBLE YELLOW, 11" C-C)

**TRAFFIC AND CONSTRUCTION NOTES – IL ROUTE 53**

STAGE 1 CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT ON EAST SIDE OF IL 53.

STAGE 1 TRAFFIC

1. MAINTAIN ACCESS DURING CONSTRUCTION TO ALL DRIVEWAYS AND RIVER ROAD.
2. TRAFFIC IS ON EXISTING IL 53 LANES FOR THE DURATION OF THE STAGE.
3. FOR TEMPORARY PAVEMENT, CULVERT REPLACEMENT, AND WHEN DROP OFF EXCEEDS 12 INCHES USE TRAFFIC CONTROL UTILIZING HIGHWAY STANDARD DRAWING 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS.
4. DURING CONSTRUCTION ACTIVITIES BETWEEN RIVER ROAD AND EAST LIMITS MAINTAIN ONE LANE UTILIZING HIGHWAY STANDARD 701301-04.
5. MAINTAIN 10 FOOT CLEAR ZONE WHEN DROP OFF IS 12 INCHES OR GREATER.

STAGE 2 CONSTRUCTION

1. CONSTRUCT FINAL PAVEMENT/TEMPORARY PAVEMENT ON WEST SIDE OF IL 53.

STAGE 2 TRAFFIC

1. SHIFT TRAFFIC TO EAST SIDE OF IL 53 ON NEWLY CONSTRUCTED TEMPORARY PAVEMENT SECTION.
2. MAINTAIN ACCESS DURING CONSTRUCTION TO ALL DRIVEWAYS AND RIVER ROAD.
3. DURING CONSTRUCTION ACTIVITIES FOR REMOVAL, RECONSTRUCTION, AND WHEN DROP OFF EXCEEDS 12 INCHES UTILIZE HIGHWAY STANDARD DRAWING 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS.
4. MAINTAIN TWO LANES OF TRAFFIC BETWEEN RIVER ROAD AND EAST LIMITS WHEN NO CONSTRUCTION ACTIVITY IS OCCURRING.
5. MAINTAIN 10 FOOT CLEAR ZONE WHEN DROP OFF IS 12 INCHES OR GREATER.

STAGE 3 CONSTRUCTION

1. CONSTRUCT FINAL PAVEMENT ON EAST SIDE OF IL 53.

STAGE 3 TRAFFIC

1. SHIFT TRAFFIC TO WEST SIDE OF IL 53 ON NEWLY CONSTRUCTED TEMPORARY/FINAL PAVEMENT SECTION.
2. MAINTAIN ACCESS DURING CONSTRUCTION TO ALL DRIVEWAYS AND RIVER ROAD.
3. FOR REMOVAL AND RECONSTRUCTION WHEN DROP OFF EXCEEDS 12 INCHES USE TRAFFIC CONTROL UTILIZING HIGHWAY STANDARD DRAWING 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS.
4. MAINTAIN 10 FOOT CLEAR ZONE WHEN DROP OFF IS 12 INCHES OR GREATER.

STAGE 4 CONSTRUCTION

1. REMOVE TEMPORARY PAVEMENT ON THE WEST SIDE OF IL 53, PLACE SHOULDER AND FINISH GRADING.

STAGE 4 TRAFFIC

1. SHIFT TRAFFIC TO FINAL PLACEMENT ON IL 53.
2. OPEN STRIP MINE ROAD WHEN TRAFFIC SIGNAL BECOMES OPERATIONAL.
3. FOR REMOVAL AND RECONSTRUCTION WHEN DROP OFF EXCEEDS 12 INCHES USE TRAFFIC CONTROL UTILIZING HIGHWAY STANDARD DRAWING 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS.
4. MAINTAIN 10 FOOT CLEAR ZONE WHEN DROP OFF IS 12 INCHES OR GREATER.

**TRAFFIC AND CONSTRUCTION NOTES – STRIP MINE ROAD**

STAGE 1 CONSTRUCTION

1. NO STRIP MINE ROAD CONSTRUCTION INCLUDED IN THIS STAGE

STAGE 1 TRAFFIC

1. MAINTAIN TRAFFIC ON STRIP MINE ROAD FOR THE DURATION OF STAGE 1.

STAGE 2 & 3 CONSTRUCTION

1. FULLY CONSTRUCT IMPROVEMENTS ON STRIP MINE ROAD.

STAGE 2 & 3 TRAFFIC

1. CLOSE STRIP MINE ROAD TO THRU TRAFFIC AT THE PROJECT LIMITS.
2. MAINTAIN ACCESS DURING CONSTRUCTION TO ALL DRIVEWAYS.
3. TRAFFIC WILL USE THE SIGNED DETOUR ROUTE FOR THE DURATION OF THE STAGE.
4. DO NOT OPEN STRIP MINE ROAD UNTIL THE TRAFFIC SIGNALS AT IL ROUTE 53 WITH STRIP MINE ROAD ARE OPERATIONAL.

STAGE 4 CONSTRUCTION

1. NO CONSTRUCTION ON STRIP MINE ROAD DURING THIS STAGE.

STAGE 4 TRAFFIC

1. MAINTAIN TRAFFIC ON STRIP MINE ROAD DURING THIS STAGE.

**STAGING NOTES – PROPOSED UPRR CROSSING**

STAGE 2 & 3 TRAFFIC

1. MAINTAIN ACCESS DURING CONSTRUCTION TO ALL DRIVEWAYS.
2. CLOSE RAILROAD CROSSING TO TRAFFIC.
3. CONSTRUCT PROPOSED RAILROAD CROSSING (BY OTHERS) BETWEEN DAVY LANE & IL ROUTE 53.

**GENERAL STAGING NOTES**

SEE STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEET 1 FOR GENERAL STAGING NOTES, COORDINATION OF RAILROAD OPERATIONS.

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USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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PLOT SCALE = 20.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION






STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
TYPICAL SECTIONS

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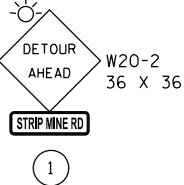
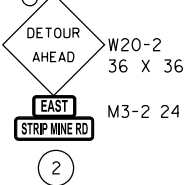
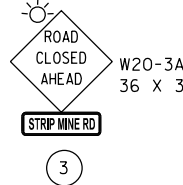
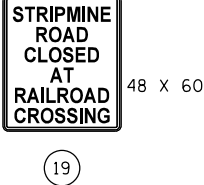
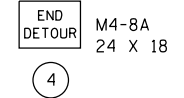
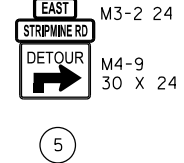
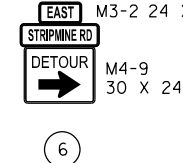
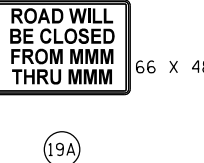
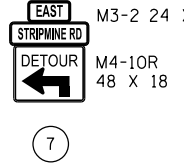
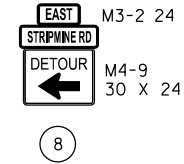
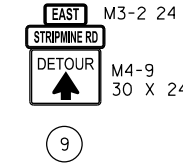
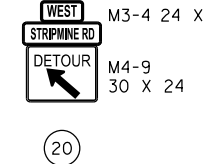
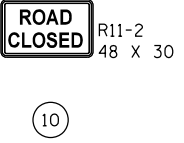
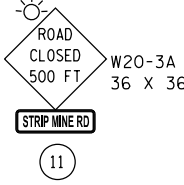
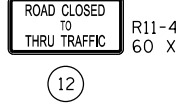
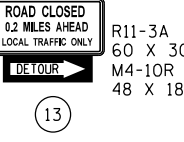
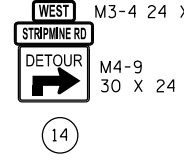
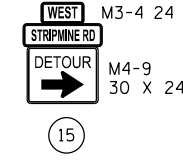
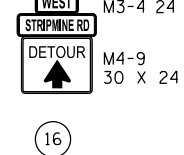
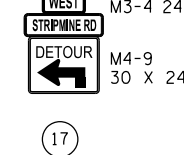
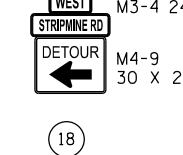
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	37
			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				

WILMINGTON
CITY OF WILMINGTON
WILL COUNTY
DISTRICT 1

**DETOUR PLAN LEGEND**

-  CONSTRUCTION AREA
-  DETOUR ROUTE
- 400 (2012) ADT (YEAR)
- [700] TRUCK ADT
-  BARRICADE TYPE III WITH TWO FLASHING LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN)
-  SIGN LEGEND NUMBER (SEE SIGN LEGEND ABOVE FOR SIGNS AND CORRESPONDING NUMBERS)
-  TEMPORARY TRAFFIC ADVISORY SIGN

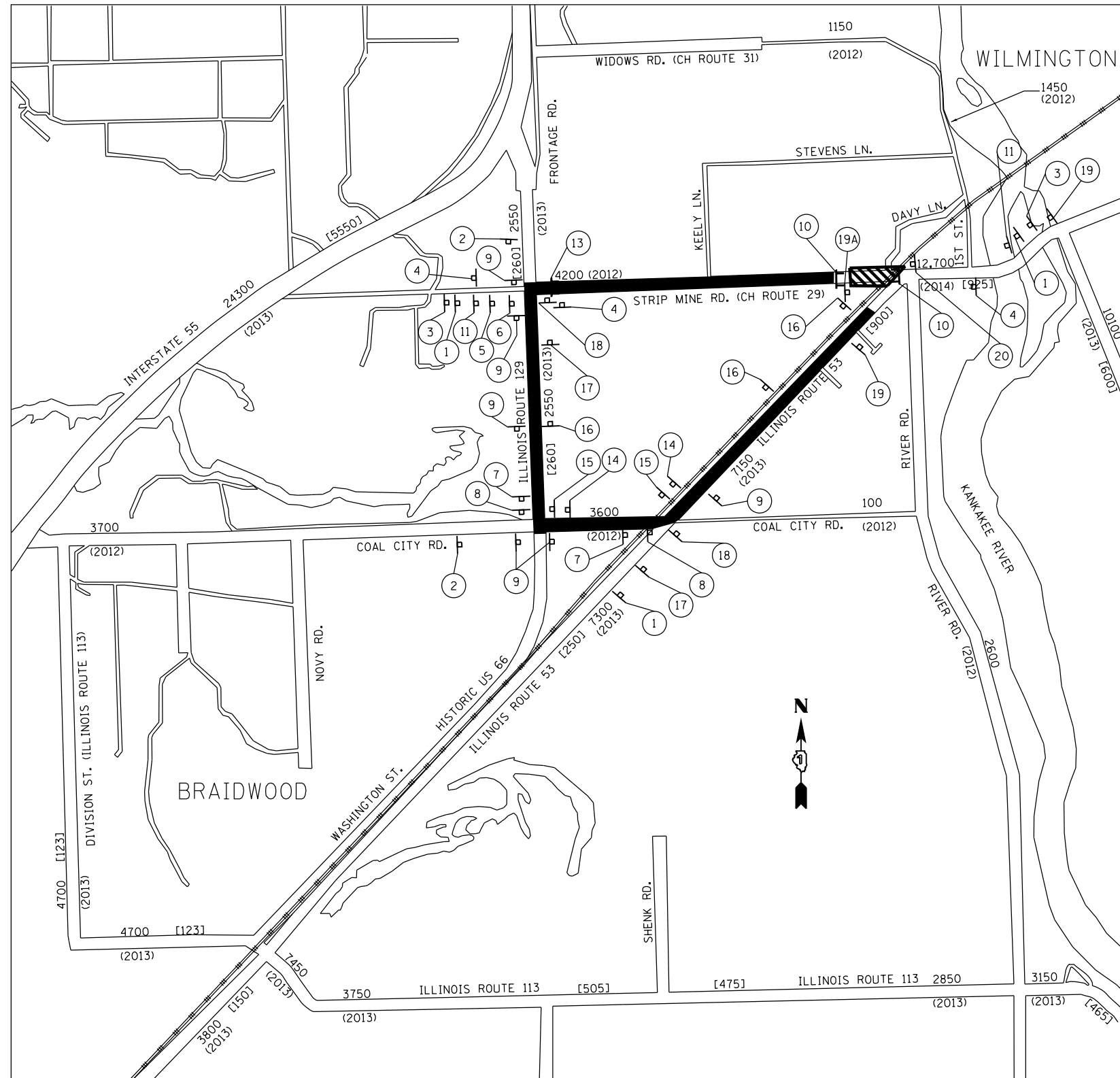
**SIGN LEGEND**

 1	 2	 3	 19
 4	 5	 6	 19A
 7	 8	 9	 20
 10	 11	 12	
 13	 14	 15	
 16	 17	 18	

**NOTES:**

REFER TO DISTRICT DETAIL TC-21 FOR SIGN ASSEMBLY TYPE AND SIGN PLACEMENT AND SPACING

ALL SIGNS SHALL BE POST MOUNTED IN THE GROUND PER ARTICLE 701.14 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND PER HIGHWAY STD. 701901.



**DETOUR ROUTE**  
DETOUR ROUTE FOR STRIP MINE ROAD

FILE NAME: c:\neworking\nick.becker\transportation\dm11335\11628233-ah-t-staging\_02.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STRIP MINE DETOUR PLAN

SCALE: NTS SHEET 3 OF 15 SHEETS STA. TO STA.

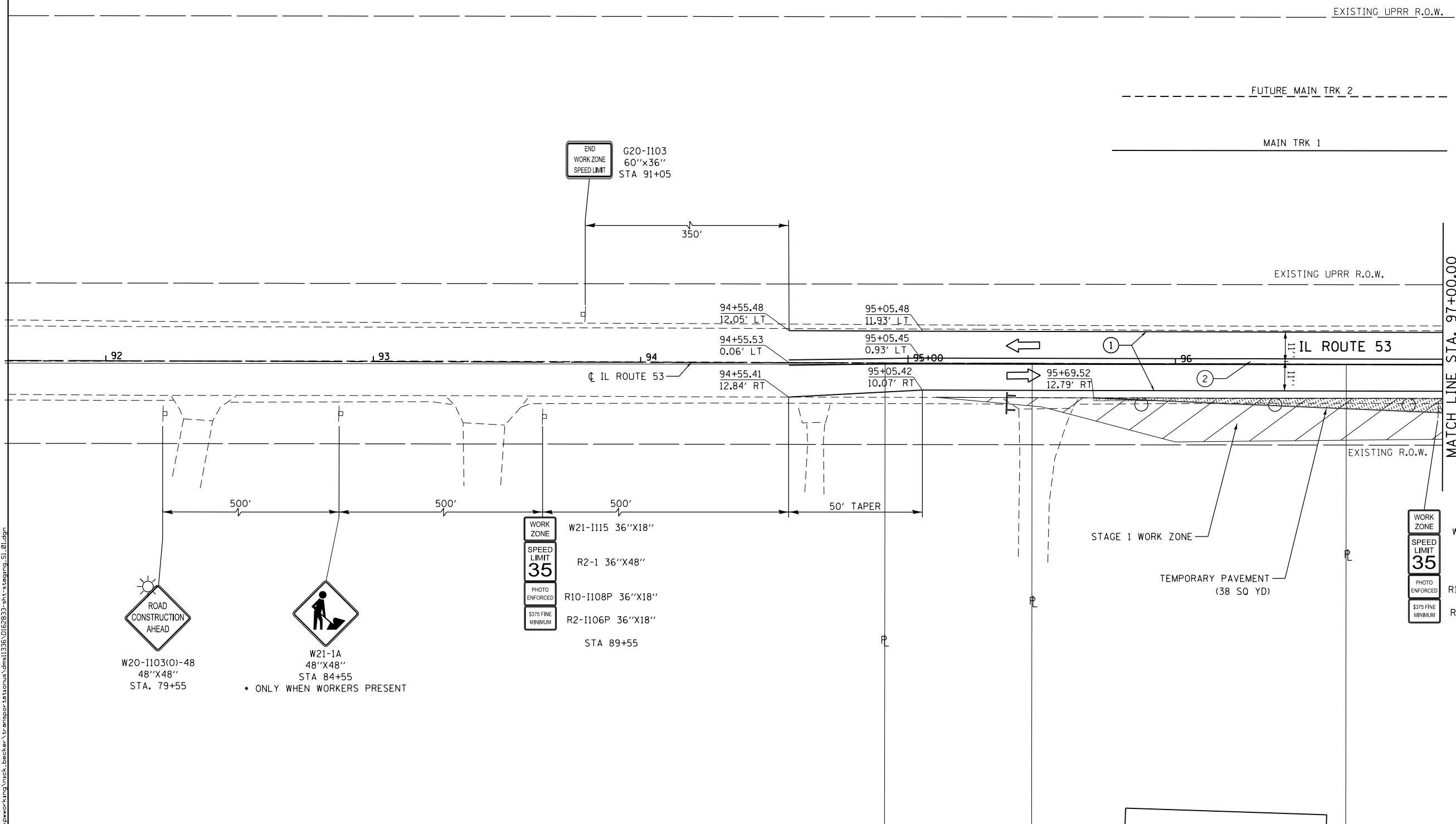
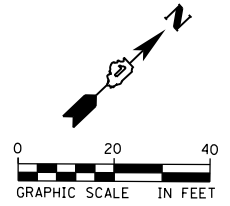
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	38
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ▨ WORK AREA FOR THIS STAGE
- ← DETOUR TRAFFIC
- TT TYPE III BARRICADES
- ▨ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ▨ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ⊥ TEMPORARY SIGNS
- ▨ TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



FILE NAME = c:\ywork\hunting\nick.becker\transportation\dm1135\11628233-ah1-staging\_sl\_01.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISED -	
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 1**

SCALE: 1" = 20'    SHEET 4 OF 15 SHEETS    STA. 92+00.00 TO STA. 97+00.00

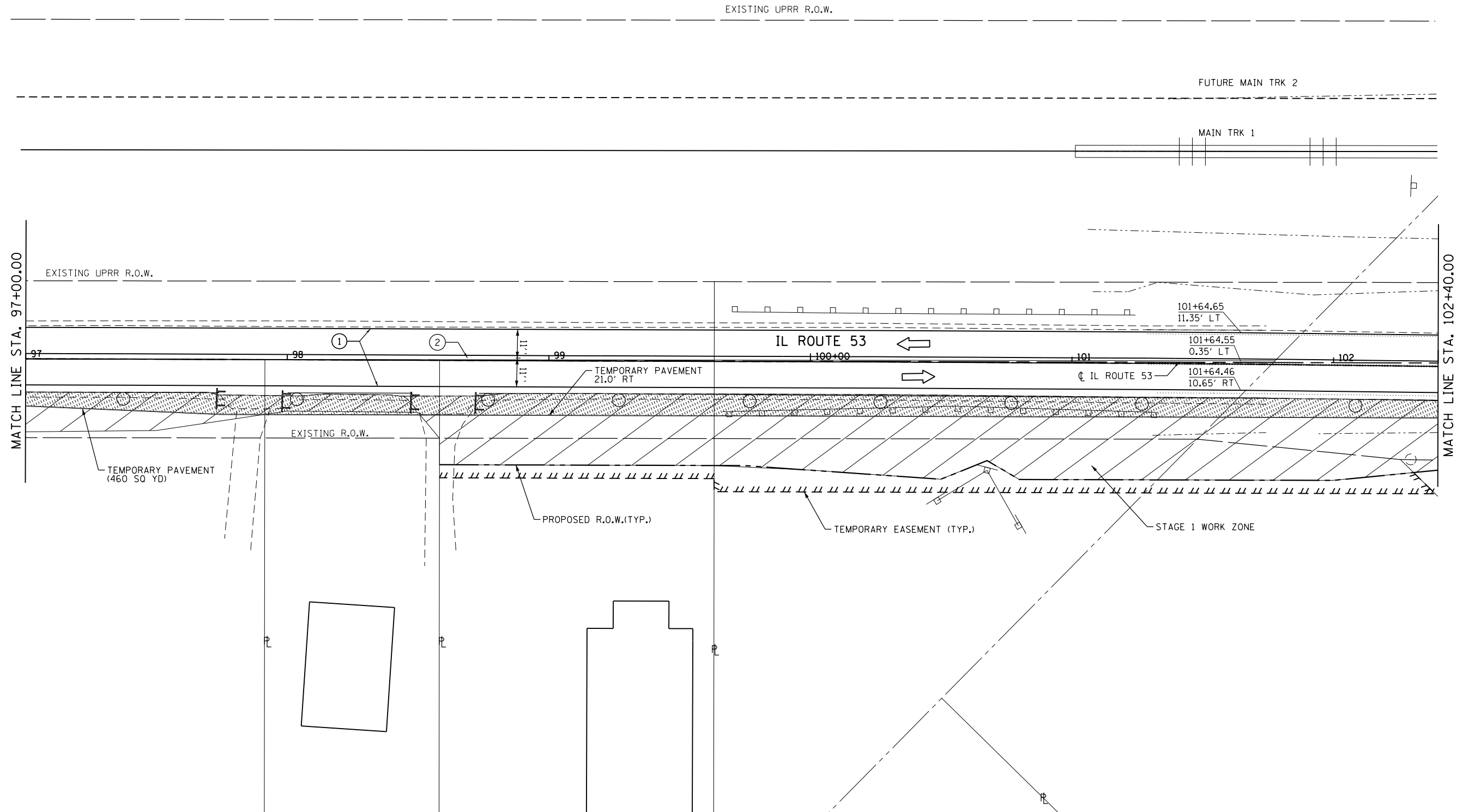
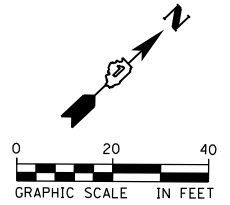
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	39
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ◻ WORK AREA FOR THIS STAGE
- ← DETOUR TRAFFIC
- ▬ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ◻ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ▭ TEMPORARY SIGNS
- ▬ TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

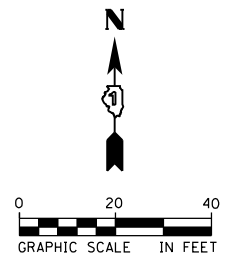
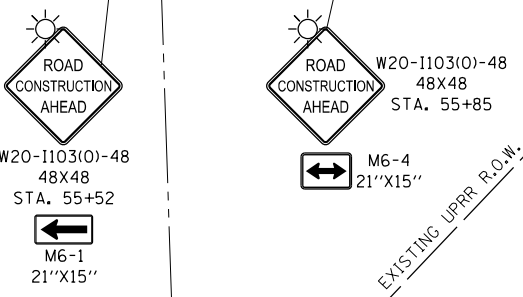
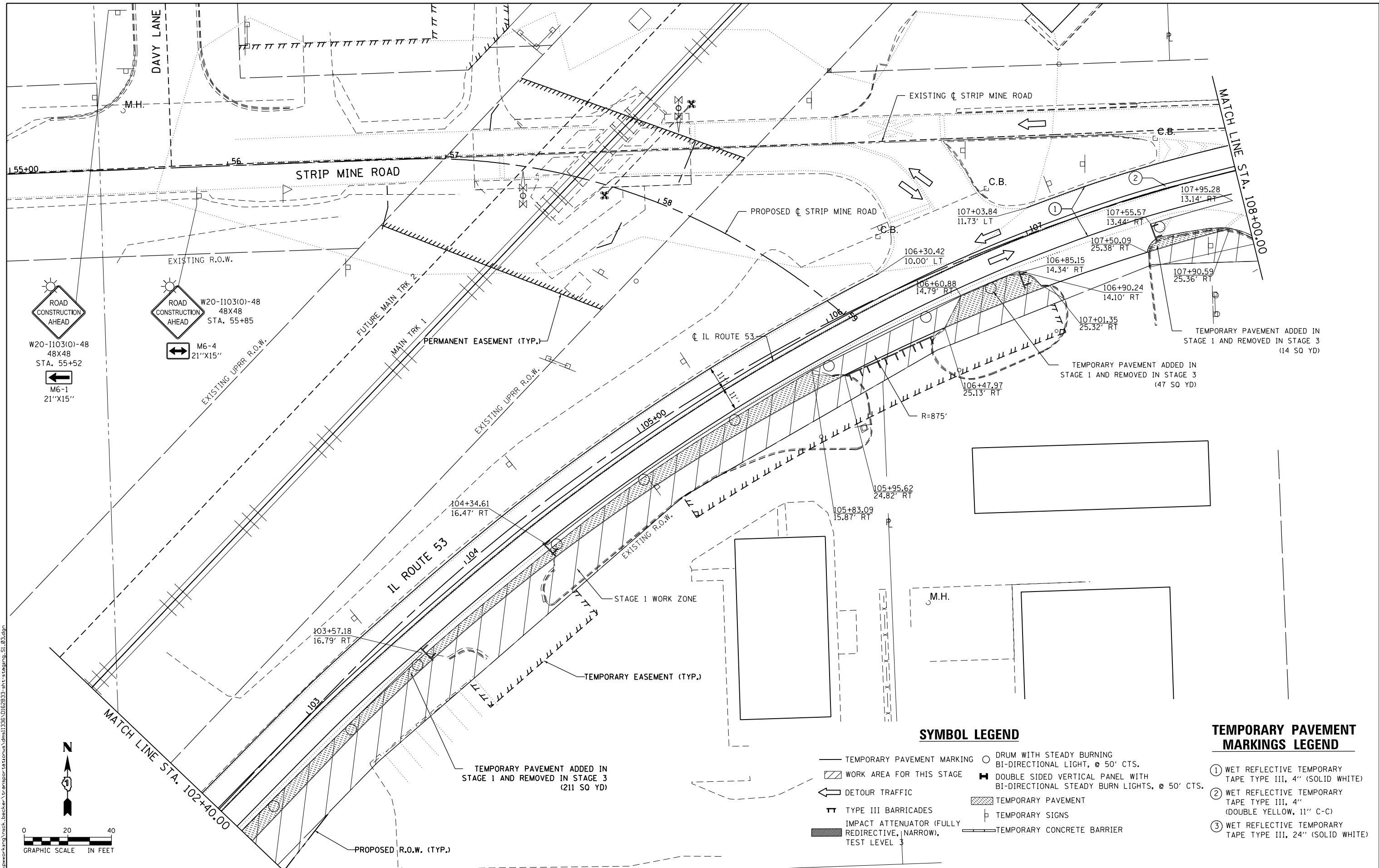
- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



FILE NAME: c:\ywork\h\erickson\transportation\11336\0162833-ait-3\stage1\_S1\_02.dgn

<b>AECOM</b>	USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGES OF CONSTRUCTION AND TRAFFIC CONTROL ILLINOIS ROUTE 53 - STAGE 1</b>	F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 40
	PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -			SCALE: 1" = 20'	SHEET 5 OF 15 SHEETS	STA. 97+00.00 TO STA. 102+40.00	CONTRACT NO. 62B33	
	PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -							





**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ▨ WORK AREA FOR THIS STAGE
- ← DETOUR TRAFFIC
- ▬ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ▬ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ▬ TEMPORARY SIGNS
- ▬ TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 Ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

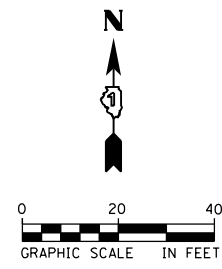
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 1**

SCALE: 1" = 20' SHEET 6 OF 15 SHEETS STA. 102+40.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	41
			CONTRACT NO. 62B33	

ILLINOIS FED. AID PROJECT

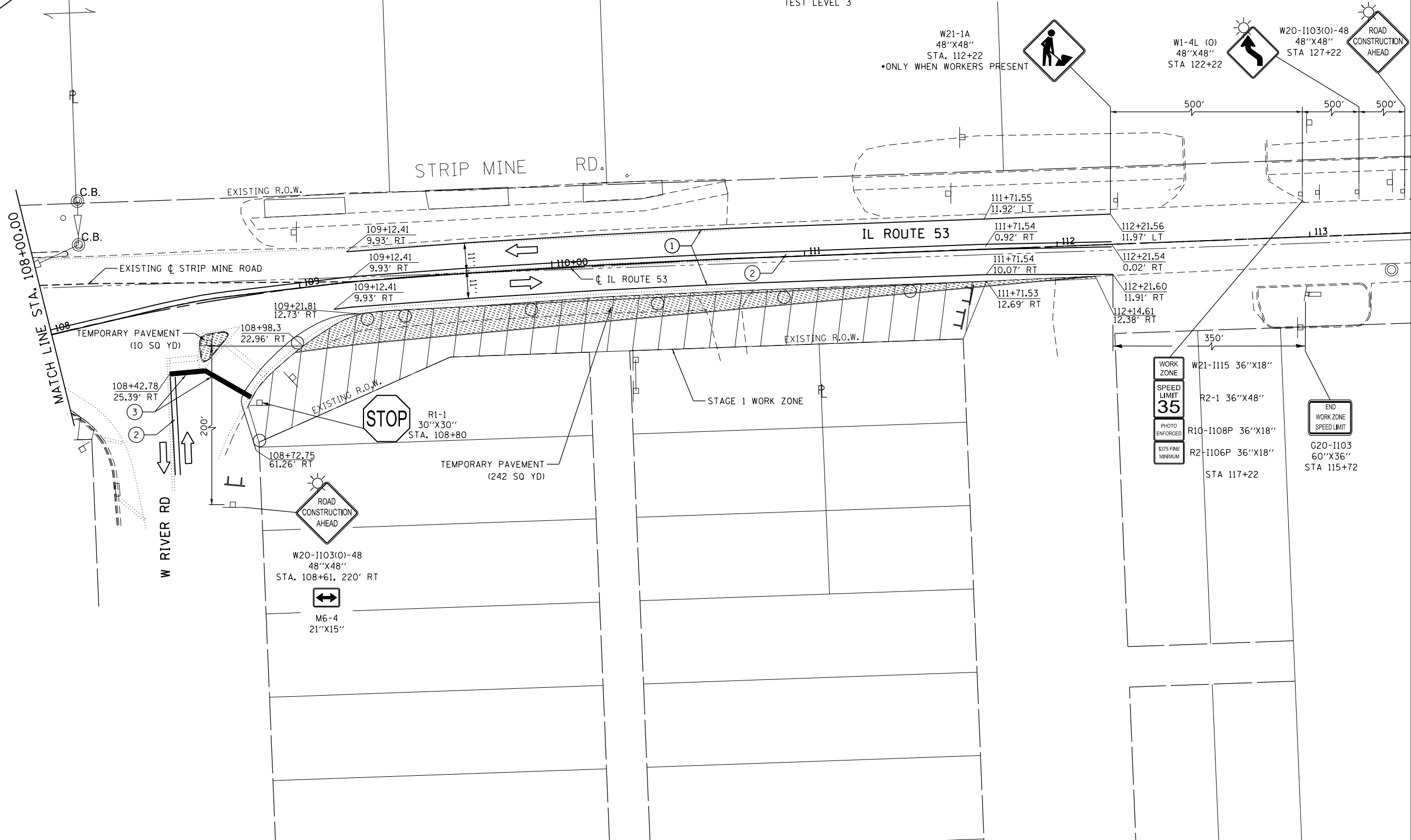


**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ◻ WORK AREA FOR THIS STAGE
- ↔ DETOUR TRAFFIC
- ▬ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ▬ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ▬ TEMPORARY SIGNS
- ▬ TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



FILE NAME: c:\ywork\hunting\nick.becker\transportation\dm1135\11628233-ah-1-staging\_S1\_04.dgn



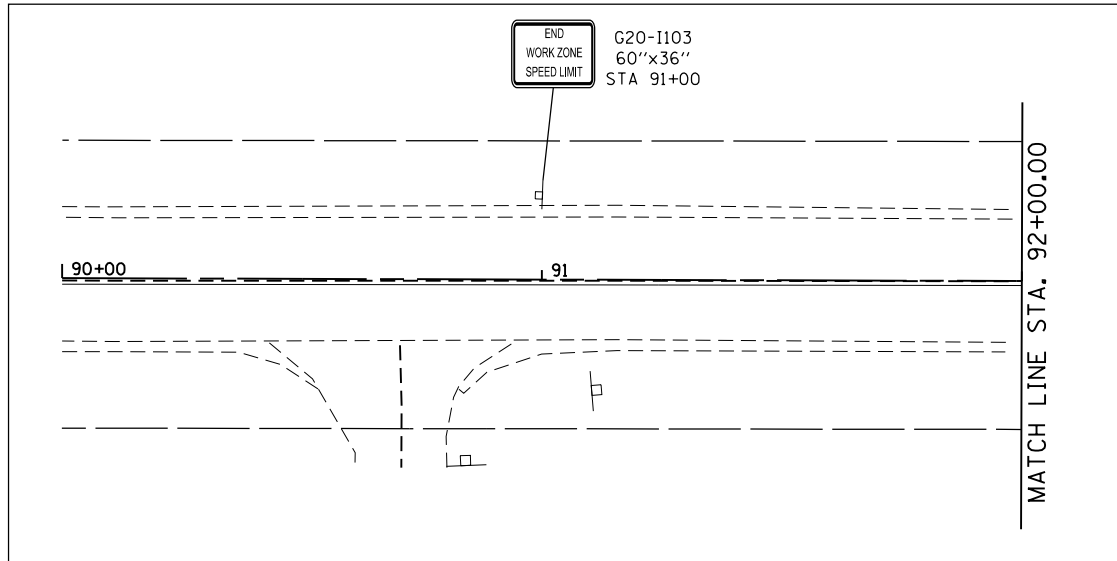
USER NAME = nick.becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISIONS -	
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISIONS -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 1**

SCALE: 1" = 20' SHEET 7 OF 15 SHEETS STA. 108+00.00 TO STA. 113+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	42
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

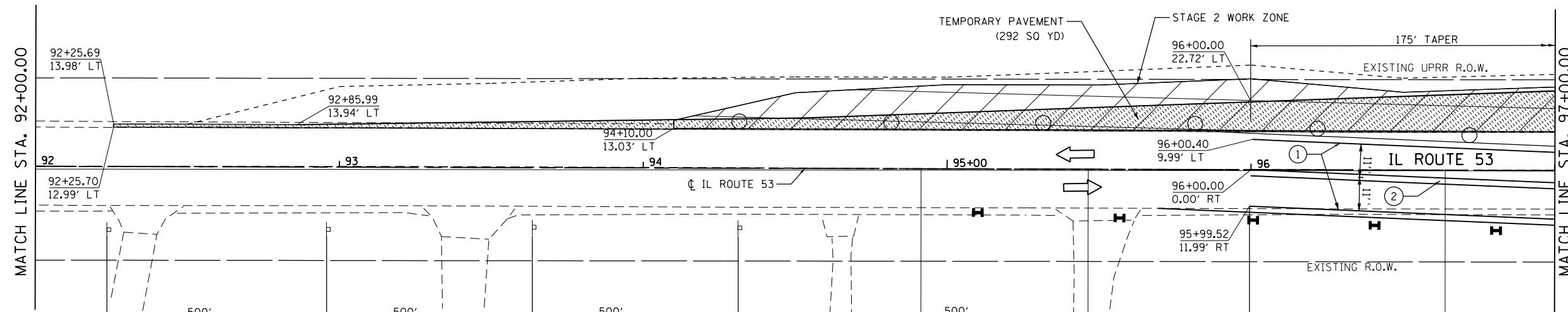
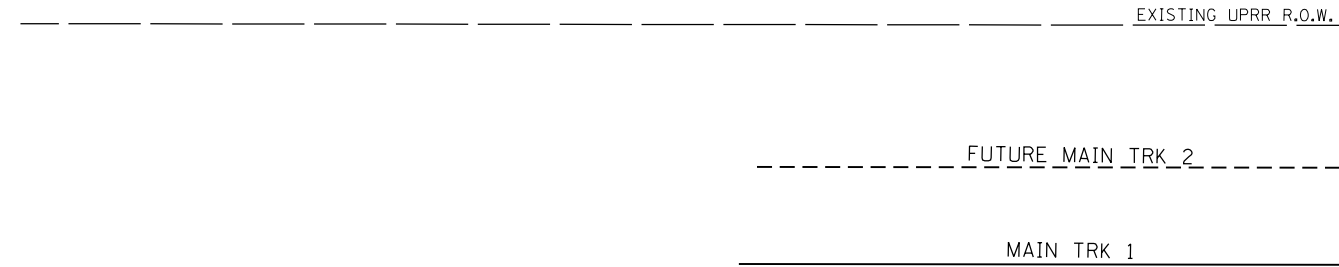
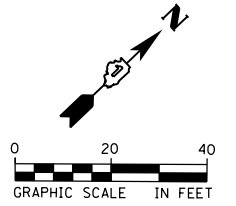


**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ▨ WORK AREA FOR THIS STAGE
- ↩ DETOUR TRAFFIC
- ⊣ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ⊠ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ⊣ TEMPORARY SIGNS
- ▬ TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

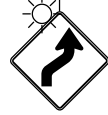
- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



W20-I103(O)-48  
48"X48"  
STA 75+99



W21-1A  
48"X48"  
STA 80+99  
• ONLY WHEN WORKERS PRESENT



W1-4R  
48"X48"  
STA. 85+99



W21-I115 36"X18"  
R2-1 36"X48"  
R10-I108P 36"X18"  
R2-I106P 36"X18"  
STA 90+99

FILE NAME = c:\ywork\hunting\nick.becker\transportation\dms1135\11628233-ah1-staging\_S2-01.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000 ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 2  
SCALE: 1" = 20' SHEET 8 OF 15 SHEETS STA. 92+00.00 TO STA. 97+00.00

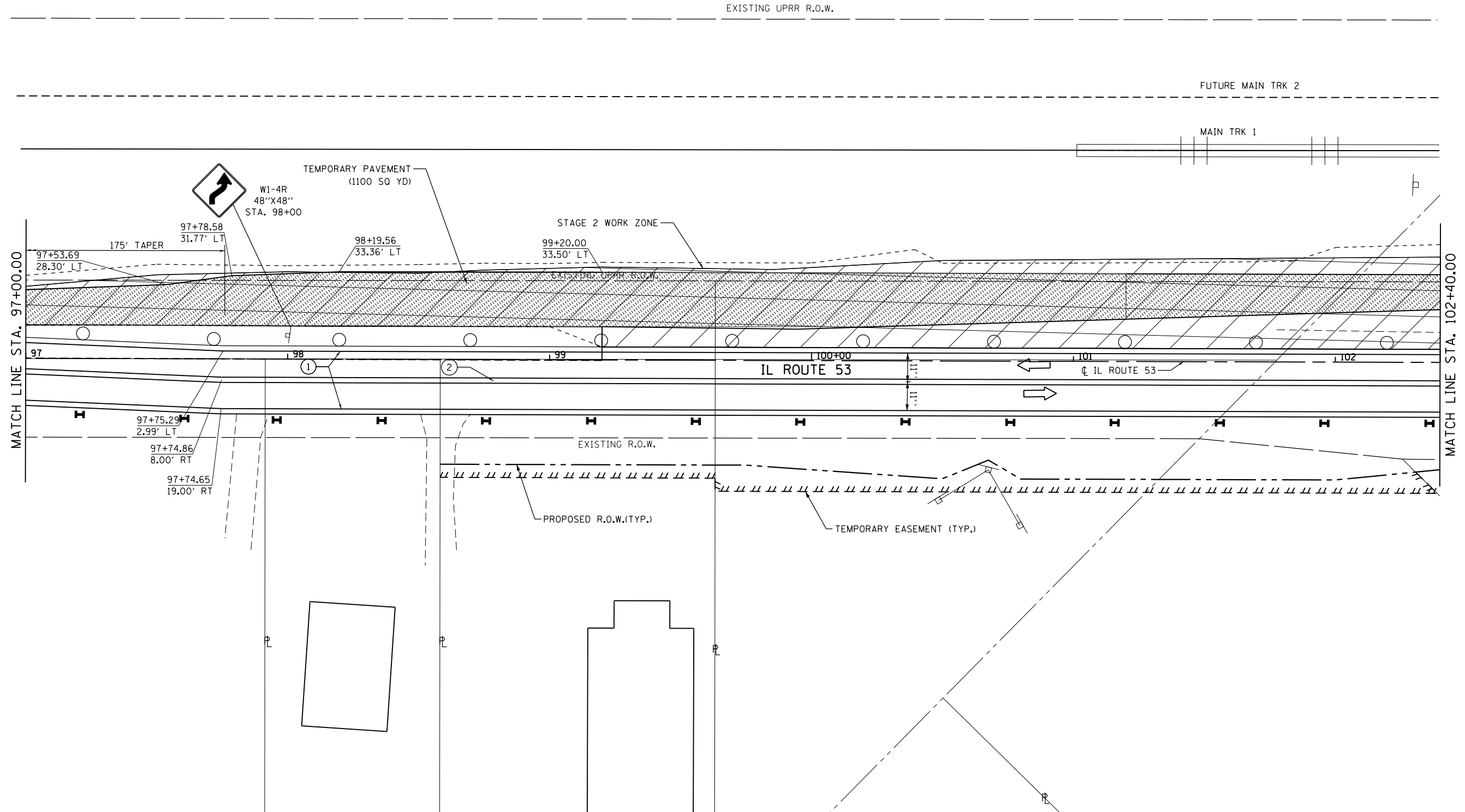
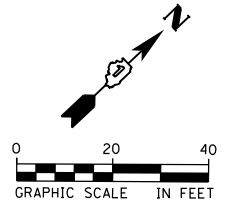
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	43
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ◻ WORK AREA FOR THIS STAGE
- ↩ DETOUR TRAFFIC
- ▬ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ⊠ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ⊞ TEMPORARY SIGNS
- ▬ TEMPORARY CONCRETE BARRIER

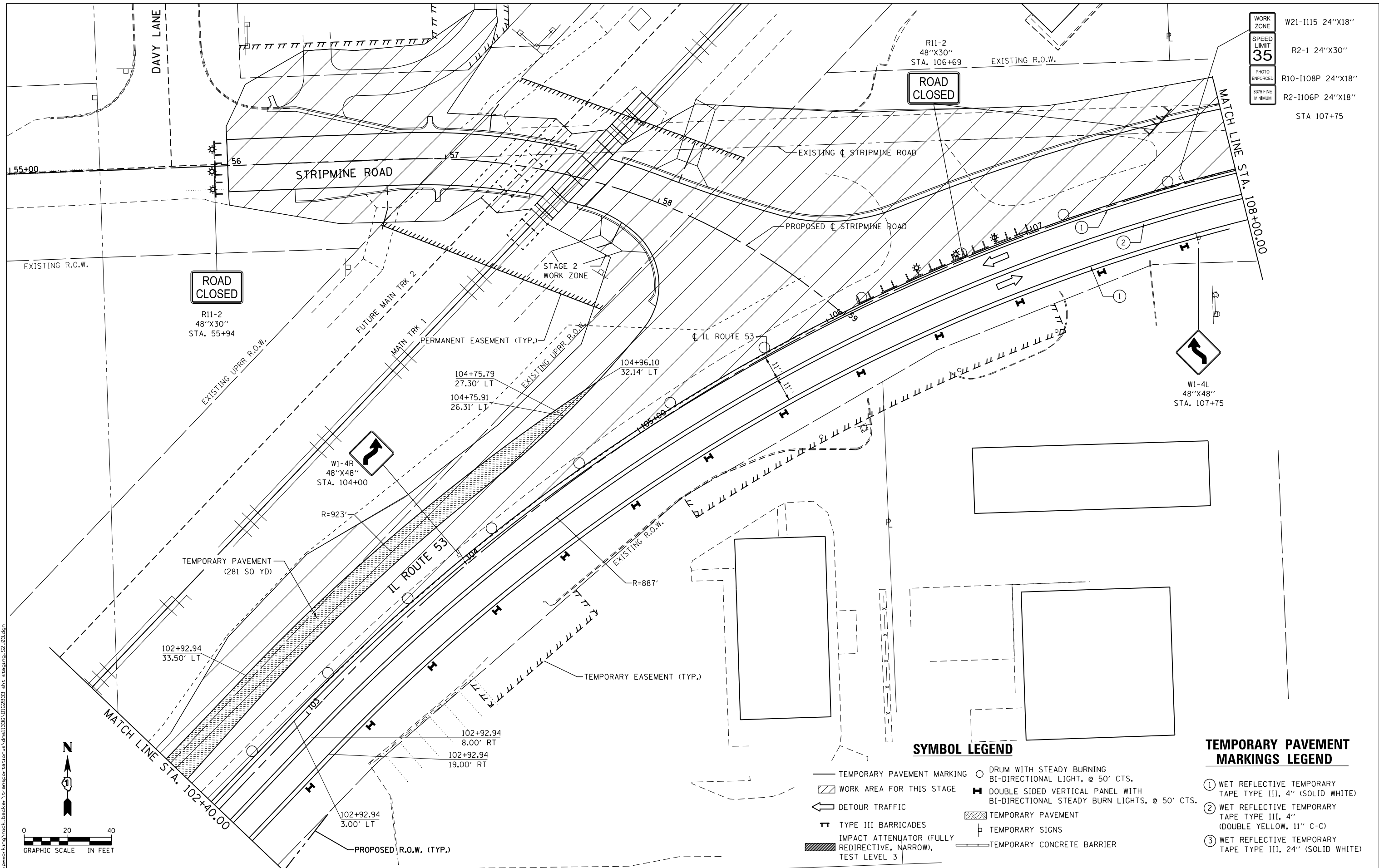
**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



FILE NAME: c:\ywork\h\g\erlin\_swanson\transportation\11336\0162833-shit-2.dwg

<b>AECOM</b>	USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGES OF CONSTRUCTION AND TRAFFIC CONTROL ILLINOIS ROUTE 53 - STAGE 2</b>	F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 44	
	PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -			SCALE: 1" = 20'	SHEET 9 OF 15 SHEETS	STA. 97+00.00 TO STA. 102+40.00	CONTRACT NO. 62B33		ILLINOIS FED. AID PROJECT
	PLOT DATE = 4/13/2016	DATE - 02/05/2016	REVISED -								



WORK ZONE	W21-1115 24"X18"
SPEED LIMIT	R2-1 24"X30"
PHOTO ENFORCED	R10-1108P 24"X18"
S375 FINE MINIMUM	R2-1106P 24"X18"
	STA 107+75

**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ▨ WORK AREA FOR THIS STAGE
- ↔ DETOUR TRAFFIC
- ⚡ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ⊞ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ⊞ TEMPORARY SIGNS
- TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000 Ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

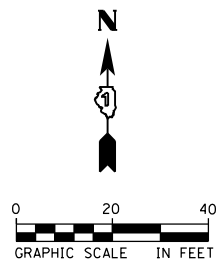
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 2**

SCALE: 1" = 20' SHEET 10 OF 15 SHEETS STA. 102+40.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	45
			CONTRACT NO. 62B33	

ILLINOIS FED. AID PROJECT



**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ◻ WORK AREA FOR THIS STAGE
- ← DETOUR TRAFFIC
- ▬ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ⊞ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ⊞ TEMPORARY SIGNS
- ▬ TEMPORARY CONCRETE BARRIER

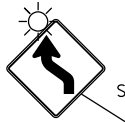
**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)

W20-1103(O)-48  
48"X48"  
STA 127+29



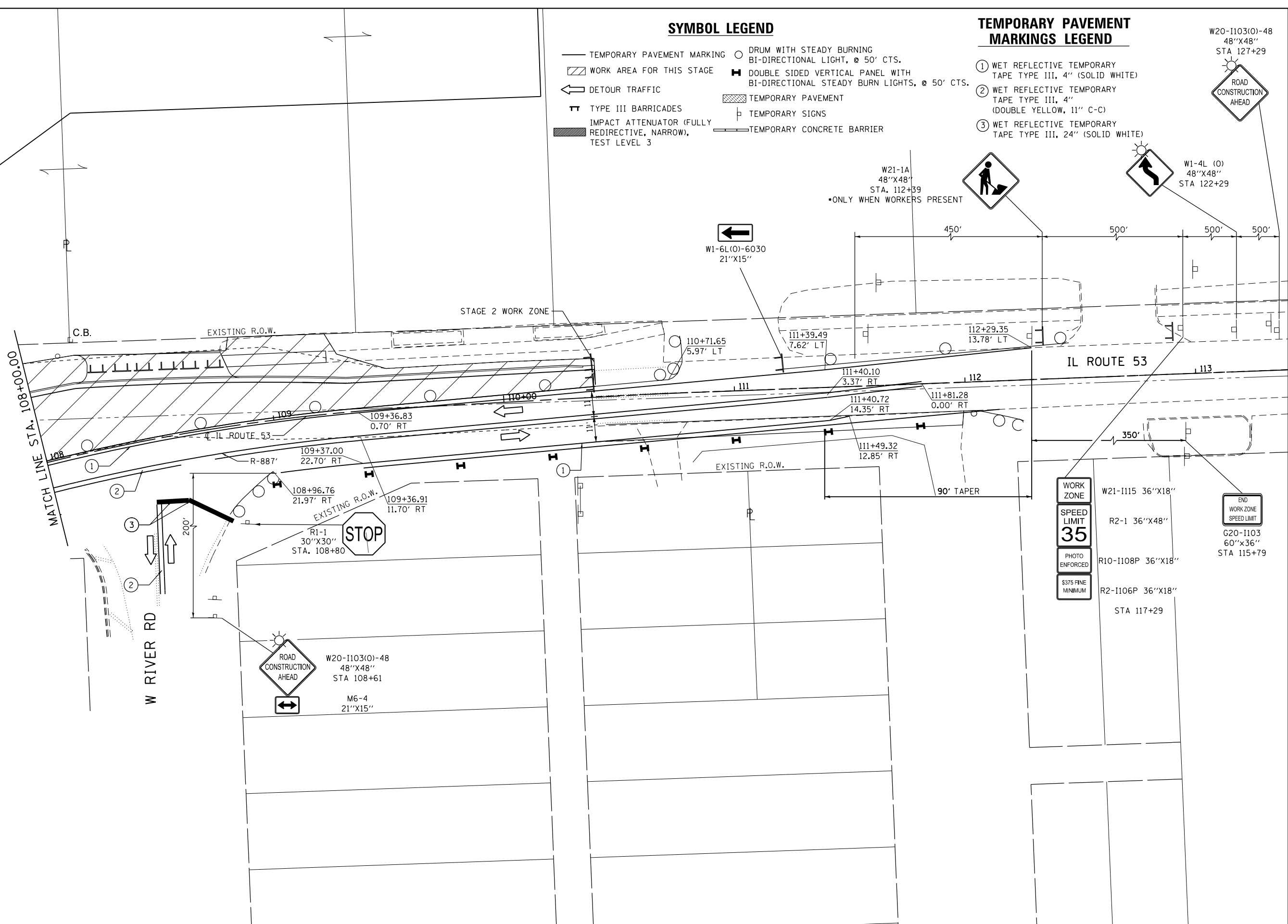
W1-4L (O)  
48"X48"  
STA 122+29



W21-1A  
48"X48"  
STA. 112+39  
\*ONLY WHEN WORKERS PRESENT



W1-6L(O)-6030  
21"X15"



FILE NAME = c:\ywork\hunting\nick.becker\transportation\dm11335\11628233-ah1-staging\_S2\_04.dgn

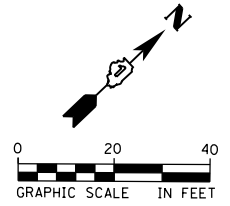


USER NAME = nick.becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISOR -	
PLOT SCALE = 40.0000 Ft / in.	CHECKED - NJB	REVISOR -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	
ILLINOIS ROUTE 53 - STAGE 2	
SCALE: 1" = 20'	SHEET 11 OF 15 SHEETS
STA. 108+00.00	TO STA. 110+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	46
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

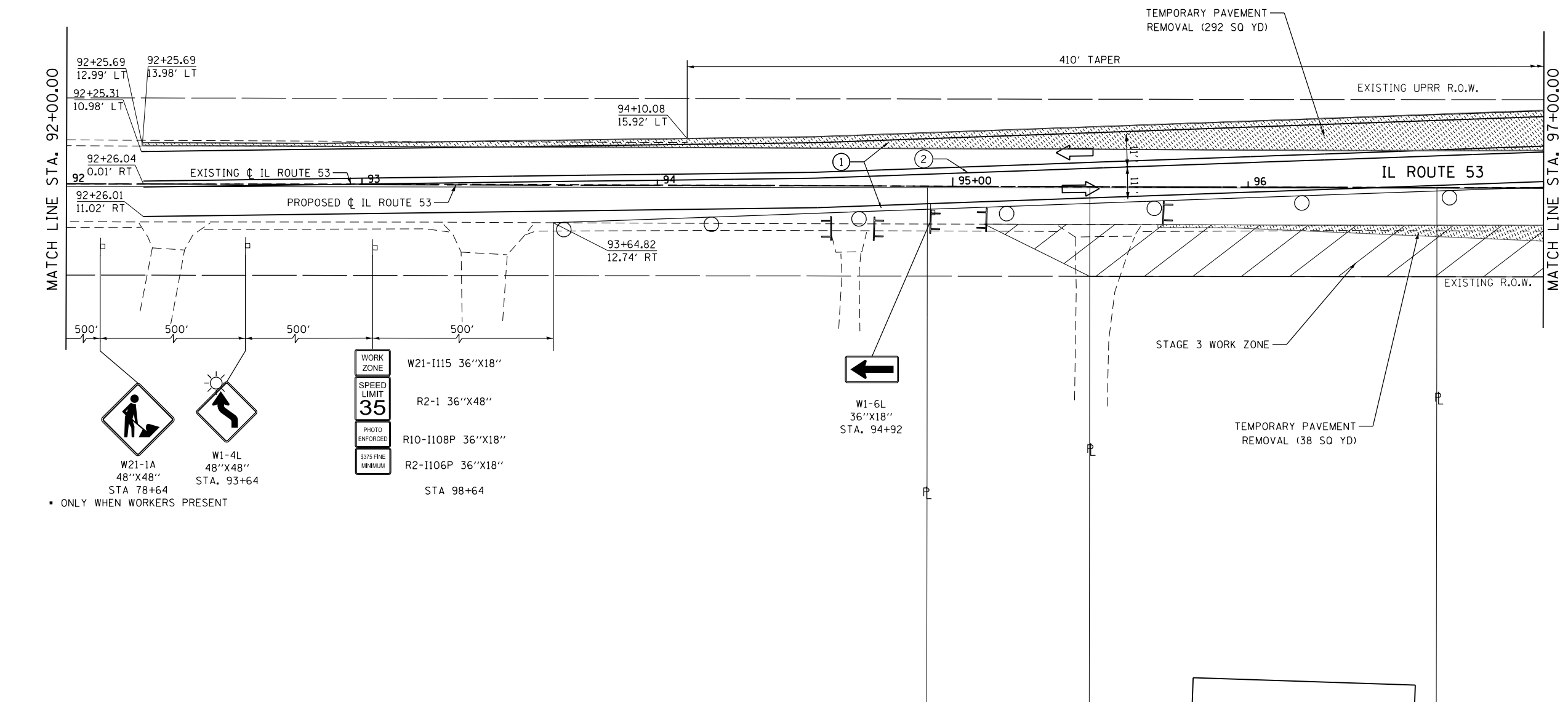
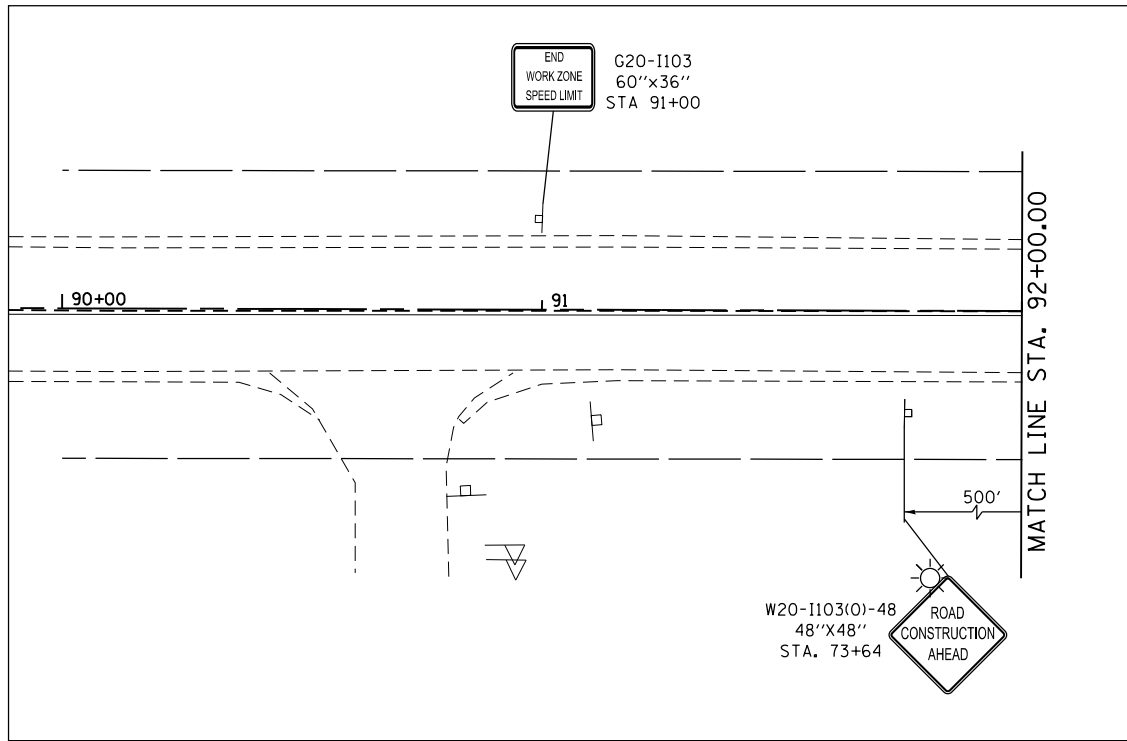


**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ◻ WORK AREA FOR THIS STAGE
- ← DETOUR TRAFFIC
- ⊥ TYPE III BARRICADES
- ▨ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ⊞ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ⊞ TEMPORARY SIGNS
- TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



FILE NAME: c:\ywork\hunting\nick.becker\transportation\dm11335\01628233-ah-1-staging\_53\_01.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000 ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 3**

SCALE: 1" = 20' SHEET 12 OF 15 SHEETS STA. 92+00.00 TO STA. 97+00.00

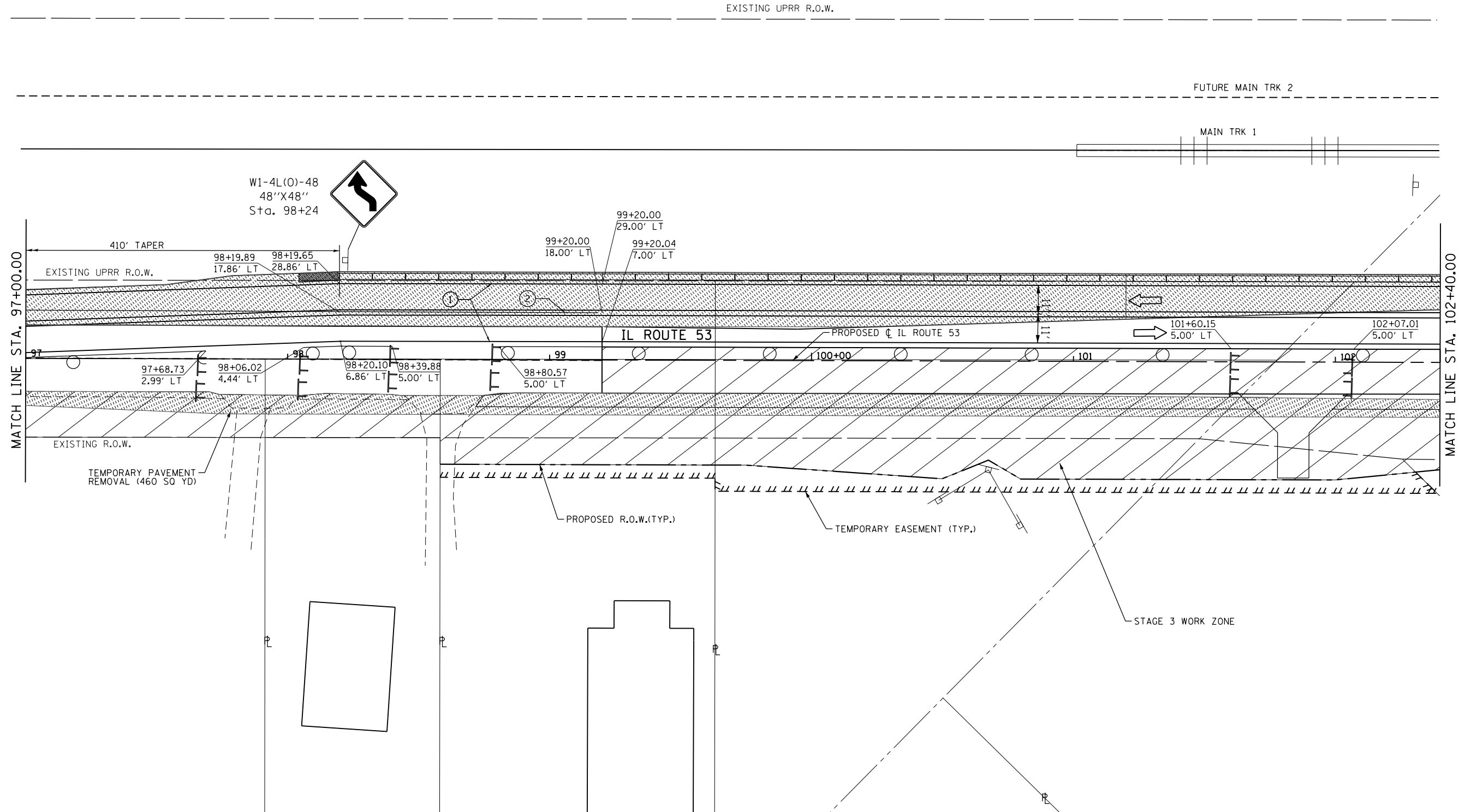
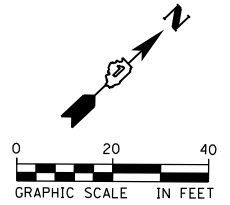
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	47
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ◻ WORK AREA FOR THIS STAGE
- ↶ DETOUR TRAFFIC
- ▬ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ⊠ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ⊡ TEMPORARY SIGNS
- ▬ TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



FILE NAME: c:\neworking\erin.swanson\transportation\11336\0162833-ait-3.dwg



USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISIONS	
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

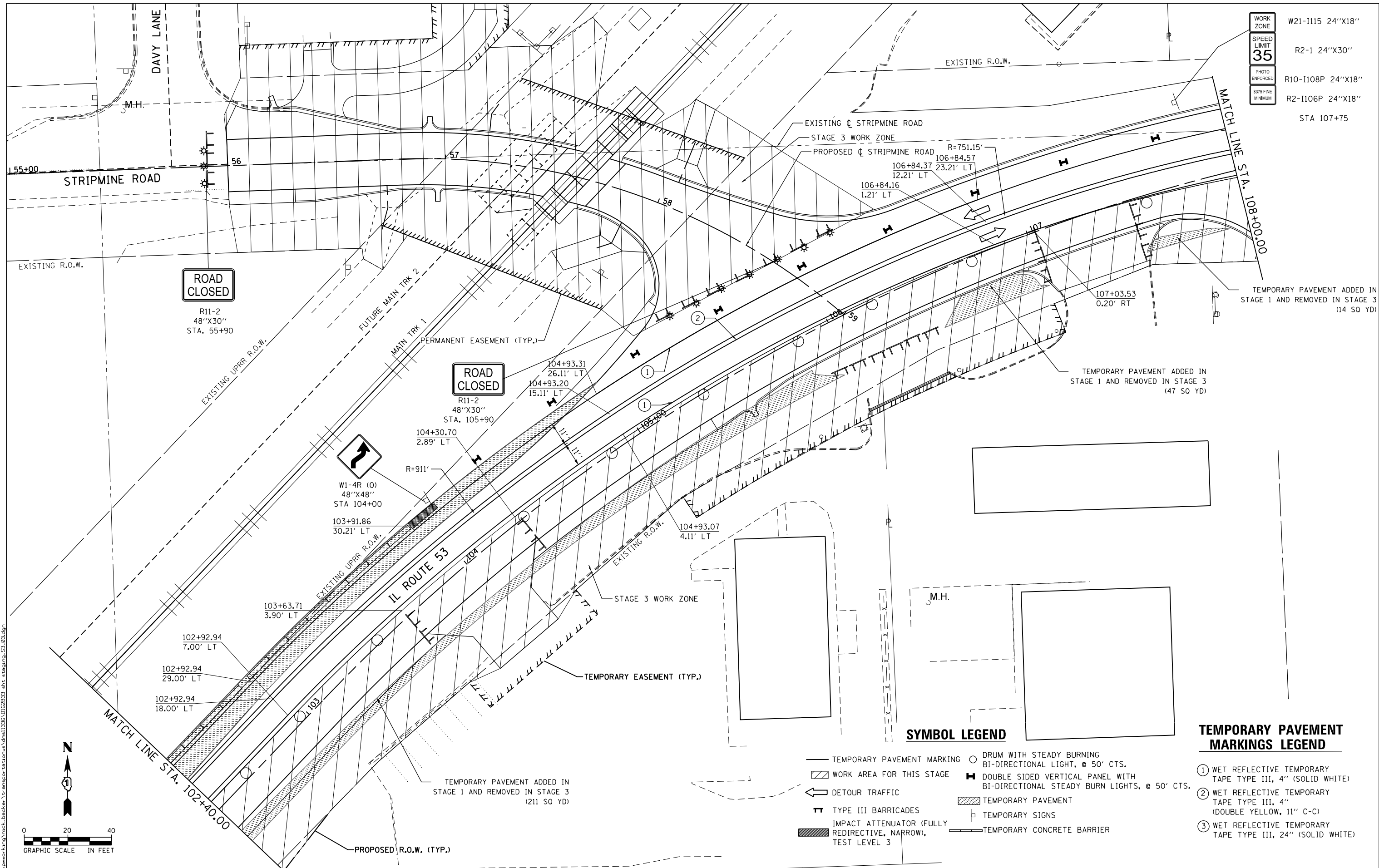
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 3**

SCALE: 1" = 20'    SHEET 13 OF 15 SHEETS    STA. 97+00.00 TO STA. 102+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	48
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	





WORK ZONE	W21-I115 24"X18"
SPEED LIMIT	R2-1 24"X30"
PHOTO ENFORCED	R10-I108P 24"X18"
S375 FINE MINIMUM	R2-I106P 24"X18"
STA 107+75	

**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ▨ WORK AREA FOR THIS STAGE
- ↪ DETOUR TRAFFIC
- ⊥ TYPE III BARRICADES
- ▩ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ⊠ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ⊥ TEMPORARY SIGNS
- ▩ TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000 Ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

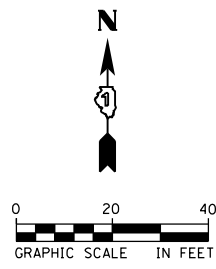
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 3**

SCALE: 1" = 20' SHEET 14 OF 15 SHEETS STA. 102+40.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	49
CONTRACT NO. 62B33				

ILLINOIS FED. AID PROJECT

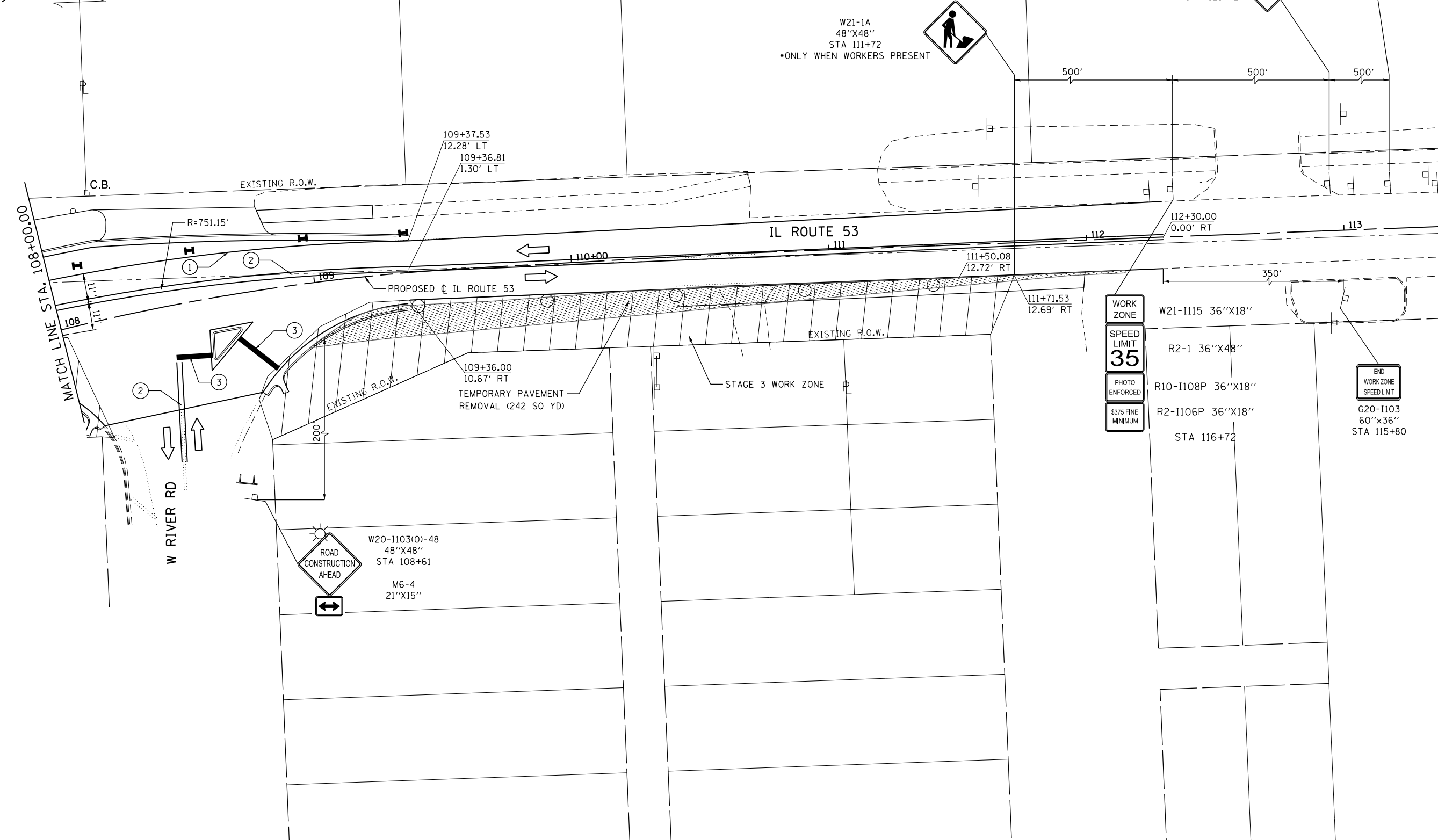


**SYMBOL LEGEND**

- TEMPORARY PAVEMENT MARKING
- ◻ WORK AREA FOR THIS STAGE
- ← DETOUR TRAFFIC
- ▬ TYPE III BARRICADES
- ▬ IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT, @ 50' CTS.
- ▬ DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHTS, @ 50' CTS.
- ▨ TEMPORARY PAVEMENT
- ▬ TEMPORARY SIGNS
- ▬ TEMPORARY CONCRETE BARRIER

**TEMPORARY PAVEMENT MARKINGS LEGEND**

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (SOLID WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (DOUBLE YELLOW, 11" C-C)
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 24" (SOLID WHITE)



FILE NAME = c:\ywork\hunting\nick\_becker\transportation\dm1135\11628233-ah1-staging\_S3\_04.dgn



USER NAME = nick_becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISOR -	
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISOR -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
ILLINOIS ROUTE 53 - STAGE 3**

SCALE: 1" = 20' SHEET 15 OF 15 SHEETS STA. 108+00.00 TO STA. 110+40.00

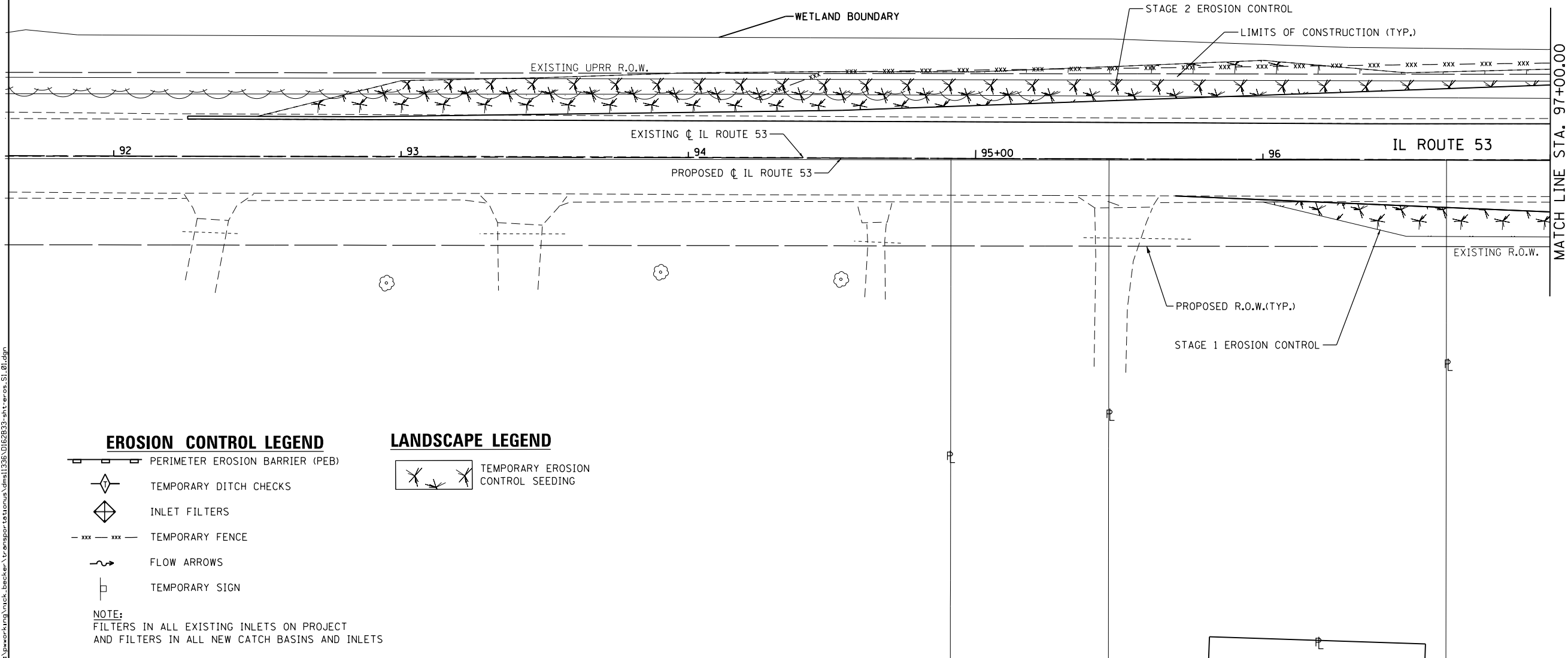
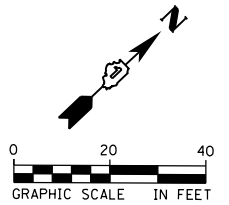
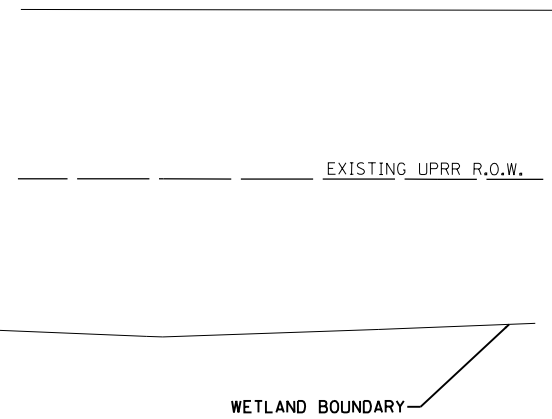
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	50
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

**EROSION CONTROL NOTES:**

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE:  
(HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
4. THE CONTRACTOR SHOULD PROVIDE TO THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION.
5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
8. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
9. THIS PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK IN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK IN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK (WHICH INCLUDES WORK WITHIN WETLANDS). THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

10. "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY. SEE GENERAL NOTES.



**EROSION CONTROL LEGEND**

- PERIMETER EROSION BARRIER (PEB)
- TEMPORARY DITCH CHECKS
- INLET FILTERS
- TEMPORARY FENCE
- FLOW ARROWS
- TEMPORARY SIGN

**LANDSCAPE LEGEND**

- TEMPORARY EROSION CONTROL SEEDING

NOTE:  
FILTERS IN ALL EXISTING INLETS ON PROJECT  
AND FILTERS IN ALL NEW CATCH BASINS AND INLETS

<b>AECOM</b>	USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	PLOT SCALE = 40.0000 Ft / in.	DRAWN - BWL, EKS	REVISED -
	PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
		DATE - 02/05/2016	REVISED -

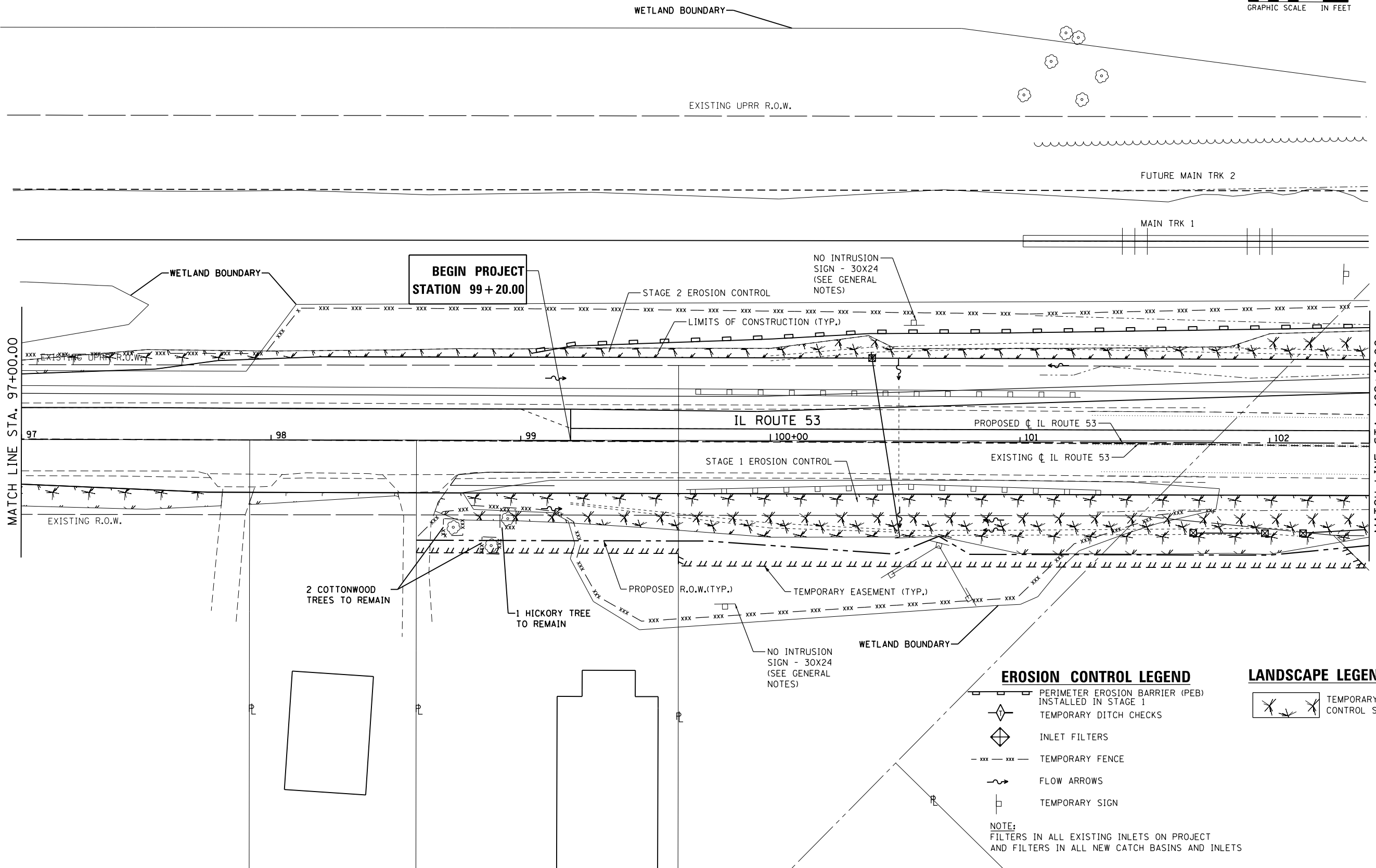
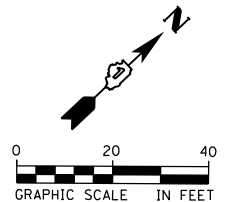
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLANS  
STAGE 1 & 2 - ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 1 OF 7 SHEETS STA. 92+00.00 TO STA. 97+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	51
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

FILE NAME = c:\working\mick.becker\transportation\dm1135\0162833-ah1-eroc.s1.dwg



- EROSION CONTROL LEGEND**
- PERIMETER EROSION BARRIER (PEB) INSTALLED IN STAGE 1
  - TEMPORARY DITCH CHECKS
  - INLET FILTERS
  - TEMPORARY FENCE
  - FLOW ARROWS
  - TEMPORARY SIGN
- LANDSCAPE LEGEND**
- TEMPORARY EROSION CONTROL SEEDING
- NOTE:  
 FILTERS IN ALL EXISTING INLETS ON PROJECT  
 AND FILTERS IN ALL NEW CATCH BASINS AND INLETS

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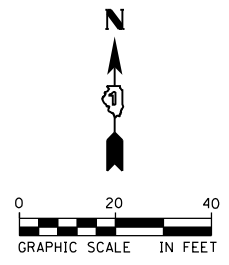
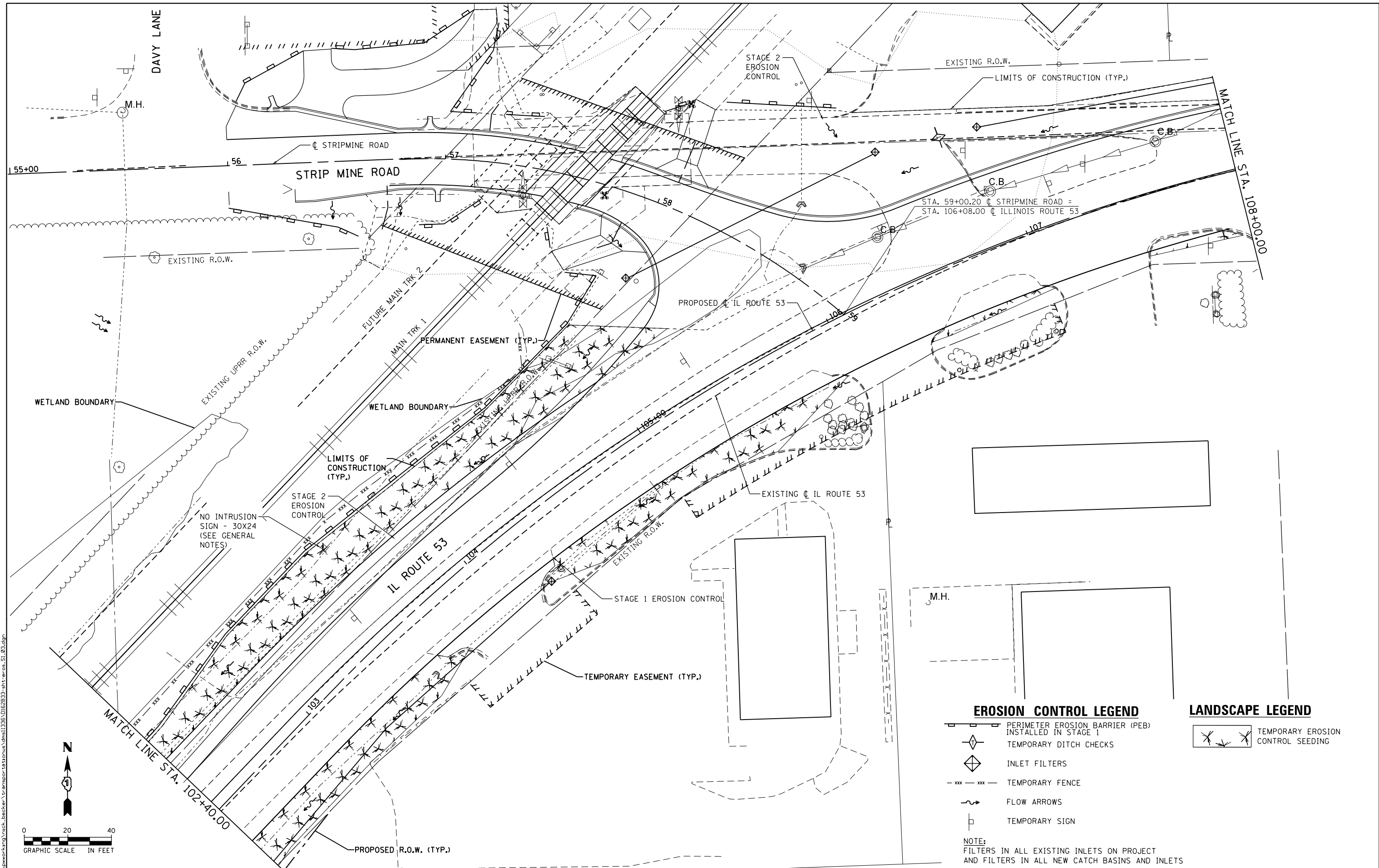
USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLANS  
 STAGE 1 & 2 - ILLINOIS ROUTE 53**

SCALE: 1" = 20'    SHEET 2 OF 7 SHEETS    STA. 97+00.00 TO STA. 102+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	52
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				



- EROSION CONTROL LEGEND**
- PERIMETER EROSION BARRIER (PEB) INSTALLED IN STAGE 1
  - TEMPORARY DITCH CHECKS
  - INLET FILTERS
  - TEMPORARY FENCE
  - FLOW ARROWS
  - TEMPORARY SIGN
- LANDSCAPE LEGEND**
- TEMPORARY EROSION CONTROL SEEDING
- NOTE:**  
 FILTERS IN ALL EXISTING INLETS ON PROJECT  
 AND FILTERS IN ALL NEW CATCH BASINS AND INLETS



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000 Ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

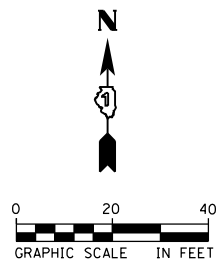
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLANS  
 STAGE 1 & 2 - ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 3 OF 7 SHEETS STA. 102+40.00 TO STA. 108+00.00

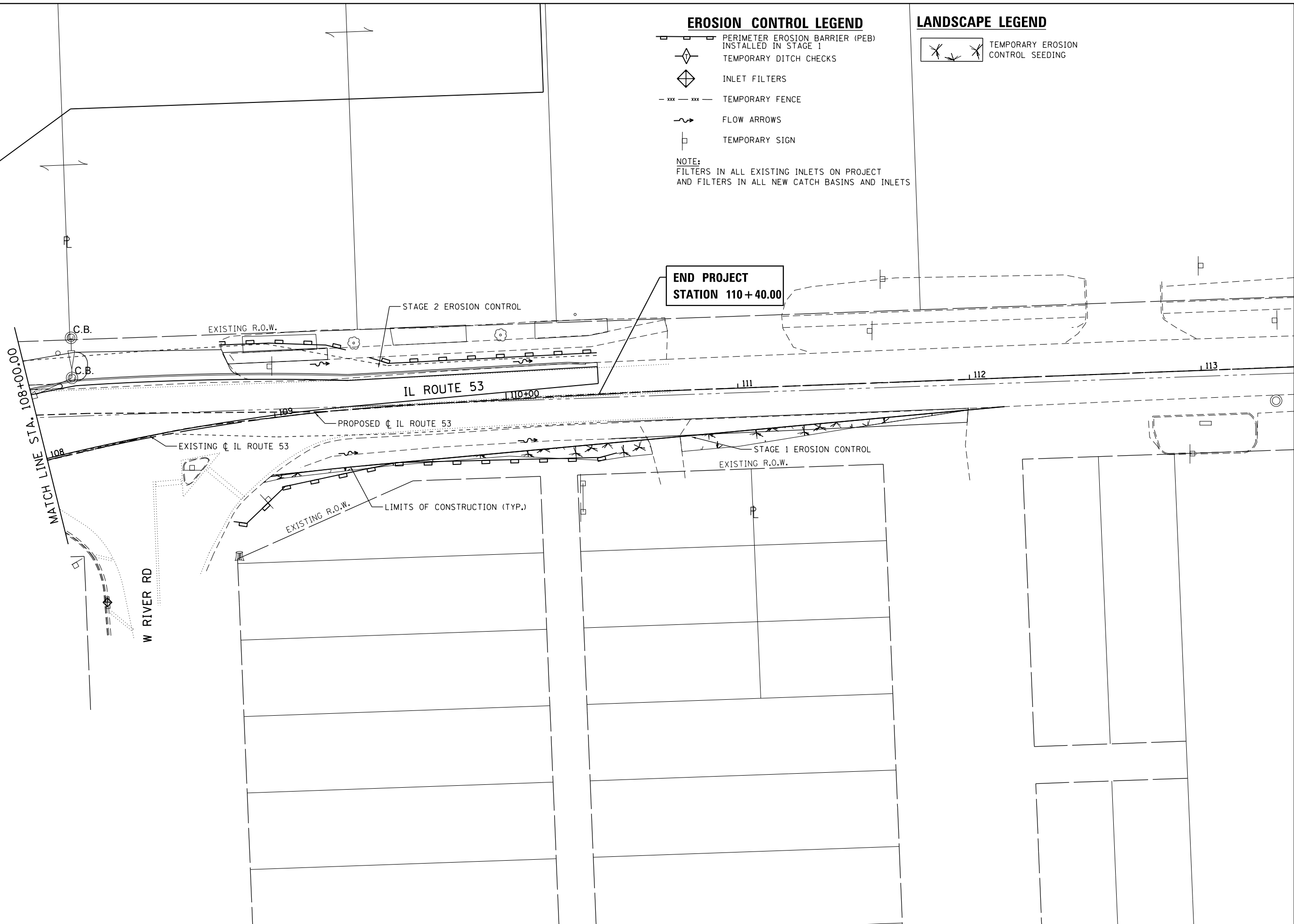
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	53
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

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- EROSION CONTROL LEGEND**
- PERIMETER EROSION BARRIER (PEB) INSTALLED IN STAGE 1
  - TEMPORARY DITCH CHECKS
  - INLET FILTERS
  - TEMPORARY FENCE
  - FLOW ARROWS
  - TEMPORARY SIGN
- NOTE:**  
 FILTERS IN ALL EXISTING INLETS ON PROJECT  
 AND FILTERS IN ALL NEW CATCH BASINS AND INLETS

- LANDSCAPE LEGEND**
- TEMPORARY EROSION CONTROL SEEDING



FILE NAME = c:\ywork\hunting\nick.becker\transportation\dm11335\01628233-ah1t.eros.s1\_04.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLANS  
 STAGE 1 & 2 - ILLINOIS ROUTE 53**

SCALE: 1" = 20'    SHEET 4 OF 7 SHEETS    STA. 108+00.00 TO STA. 110+40.00

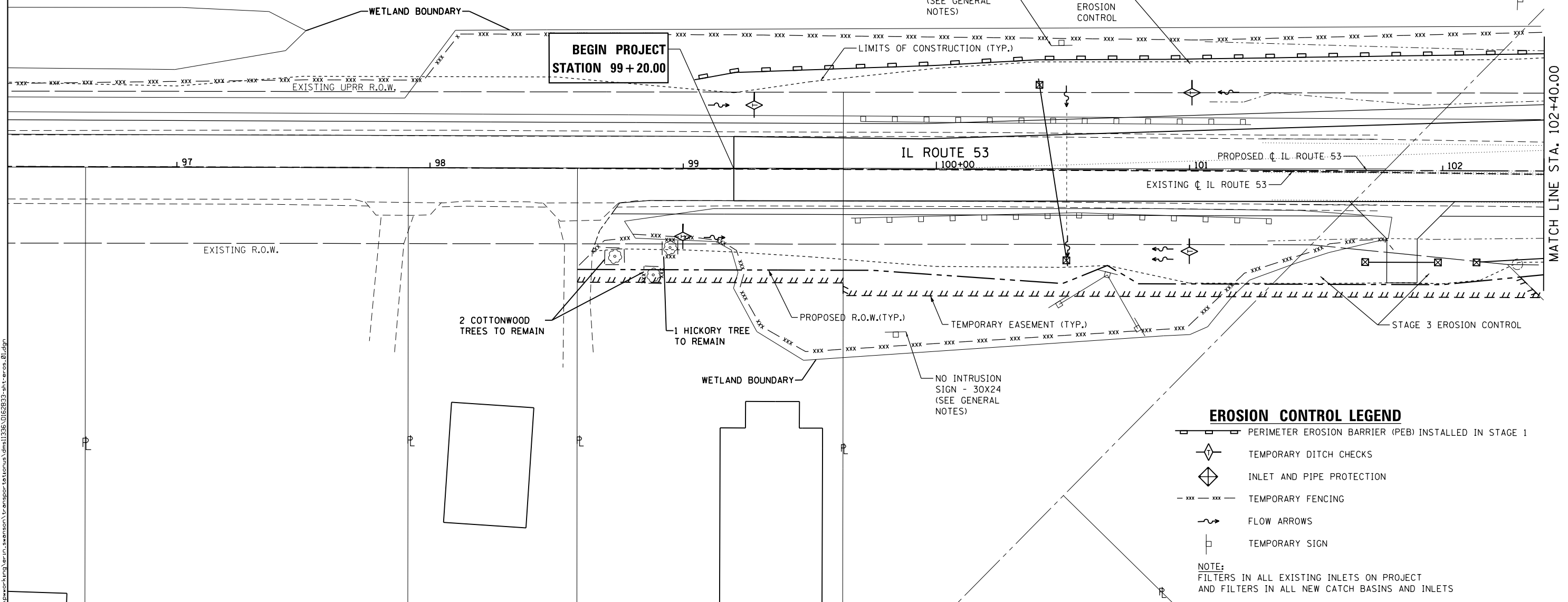
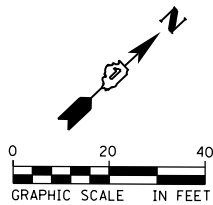
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	54
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

**EROSION CONTROL NOTES:**

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE:  
(HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
4. THE CONTRACTOR SHOULD PROVIDE TO THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION.
5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
8. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
9. THIS PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK IN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK IN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK (WHICH INCLUDES WORK WITHIN WETLANDS). THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

10. "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY. SEE GENERAL NOTES.



**EROSION CONTROL LEGEND**

- PERIMETER EROSION BARRIER (PEB) INSTALLED IN STAGE 1
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION
- TEMPORARY FENCING
- FLOW ARROWS
- TEMPORARY SIGN

NOTE:  
FILTERS IN ALL EXISTING INLETS ON PROJECT  
AND FILTERS IN ALL NEW CATCH BASINS AND INLETS

FILE NAME: c:\working\erlin.swanson\transportation\erlin\11336\0162833-apt-erros.01.dgn

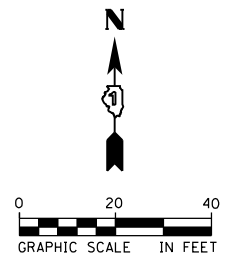
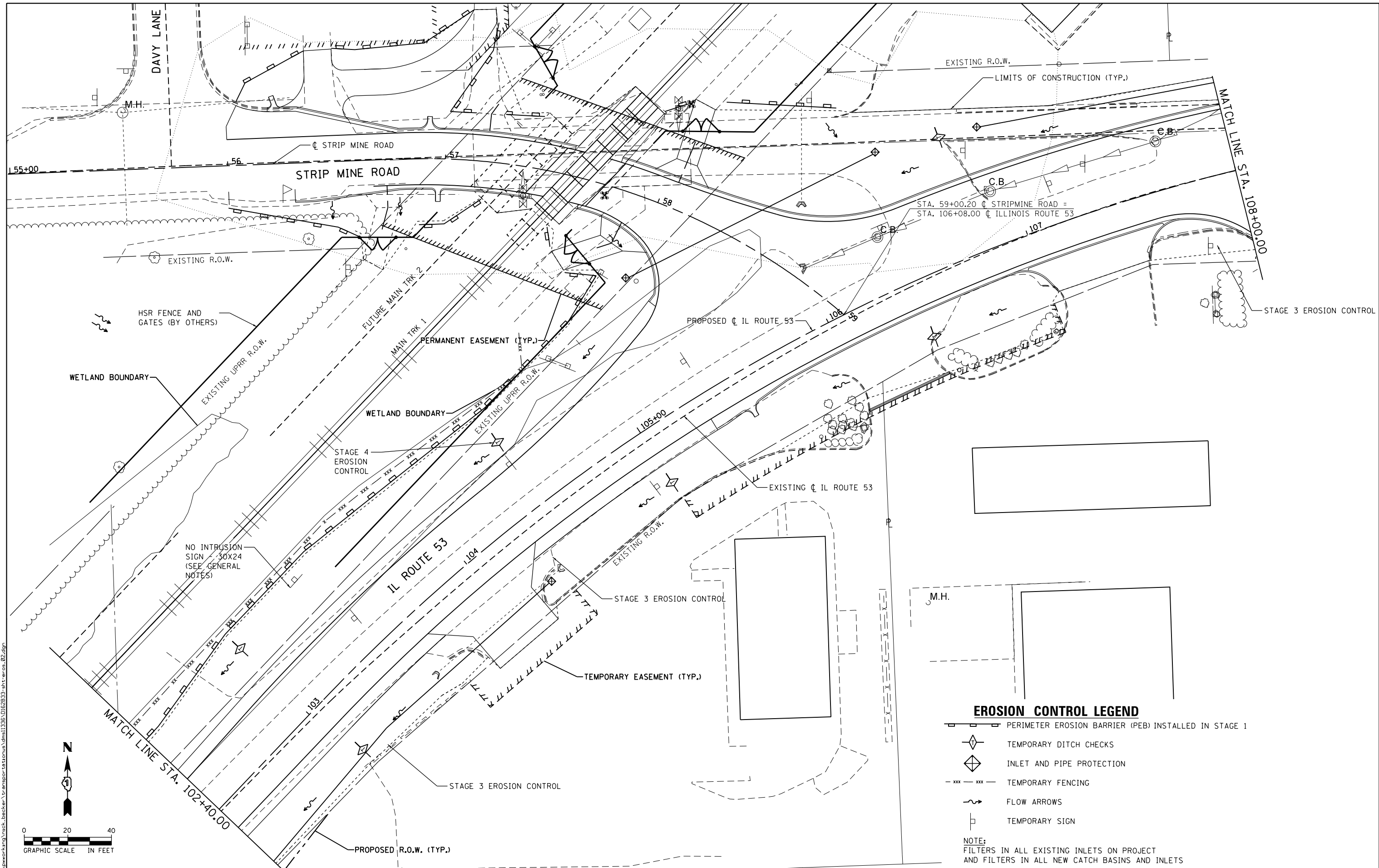


USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISOR -	
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 4/13/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL PLANS</b>	
<b>STAGE 3 &amp; 4 - ILLINOIS ROUTE 53</b>	
SCALE: 1" = 20'	SHEET 5 OF 7 SHEETS STA. 99+20.00 TO STA. 102+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	55
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



**EROSION CONTROL LEGEND**

- PERIMETER EROSION BARRIER (PEB) INSTALLED IN STAGE 1
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION
- TEMPORARY FENCING
- FLOW ARROWS
- TEMPORARY SIGN

**NOTE:**  
 FILTERS IN ALL EXISTING INLETS ON PROJECT  
 AND FILTERS IN ALL NEW CATCH BASINS AND INLETS



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000 Ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

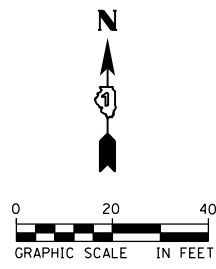
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL PLANS</b>	
<b>STAGE 3 &amp; 4 - ILLINOIS ROUTE 53</b>	
SCALE: 1" = 20'	SHEET 6 OF 7 SHEETS
STA. 102+40.00 TO STA. 108+00.00	

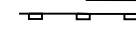


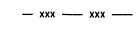


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	56
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

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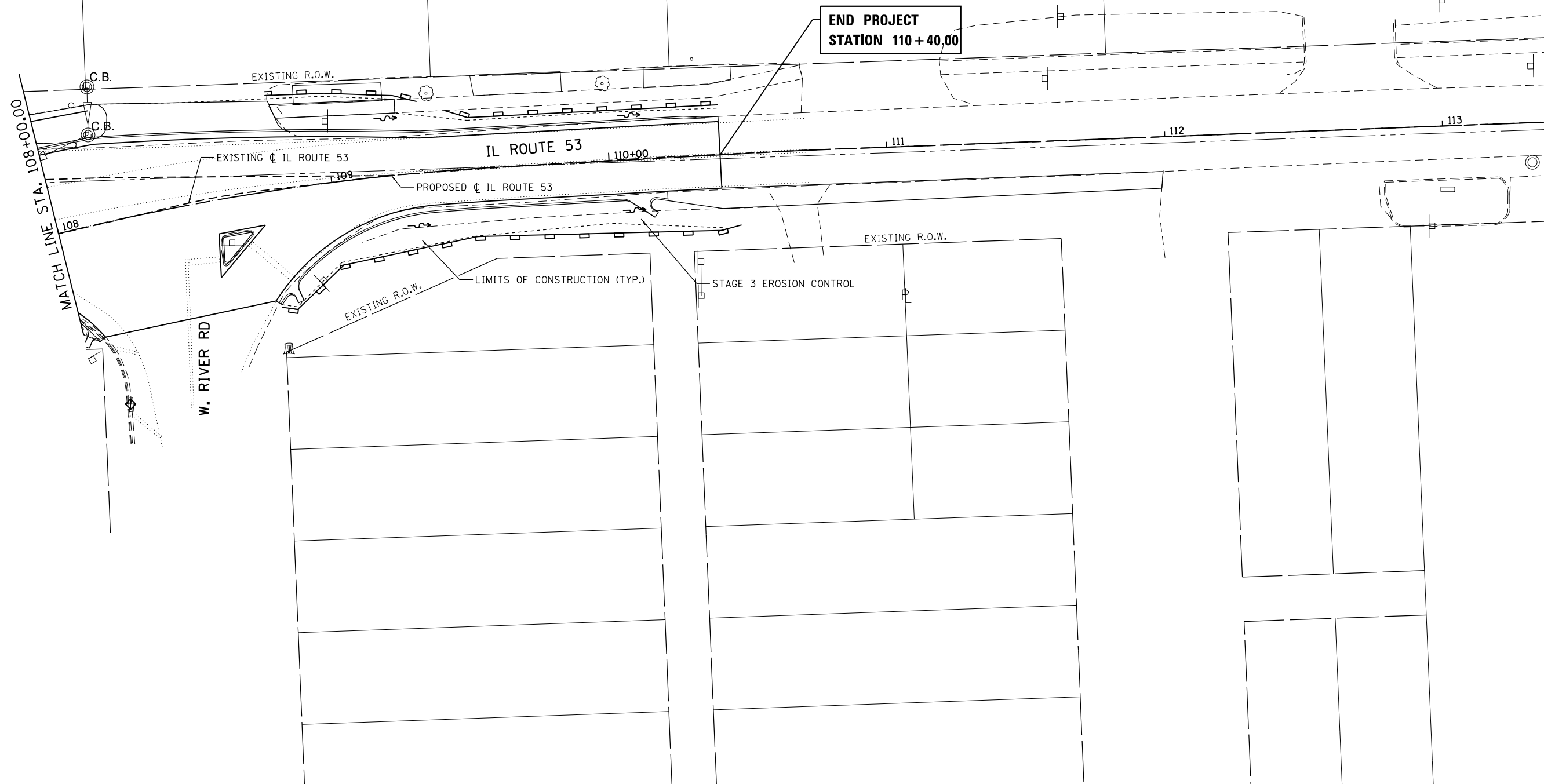




**EROSION CONTROL LEGEND**

-  PERIMETER EROSION BARRIER (PEB) INSTALLED IN STAGE 1
-  TEMPORARY DITCH CHECKS
-  INLET AND PIPE PROTECTION
-  TEMPORARY FENCING
-  FLOW ARROWS
-  TEMPORARY SIGN

NOTE:  
 FILTERS IN ALL EXISTING INLETS ON PROJECT  
 AND FILTERS IN ALL NEW CATCH BASINS AND INLETS



**END PROJECT  
 STATION 110+40.00**

FILE NAME = c:\ywork\hunting\nick.becker\transportation\dm11335\11628233-ahf.eros.03.dgn



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

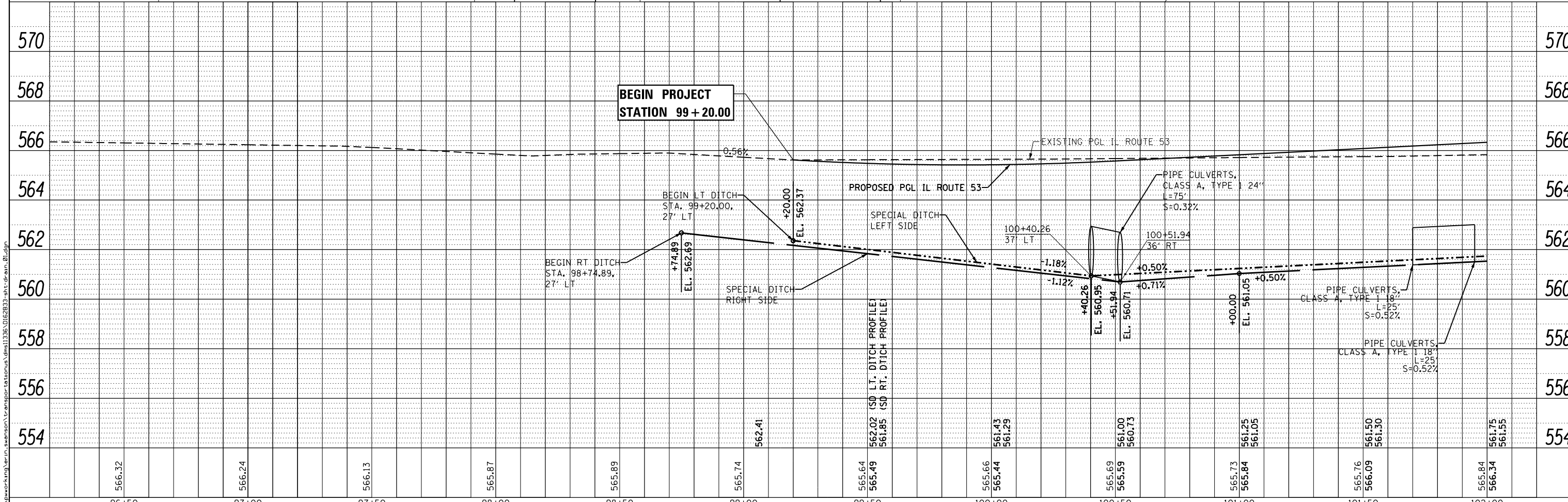
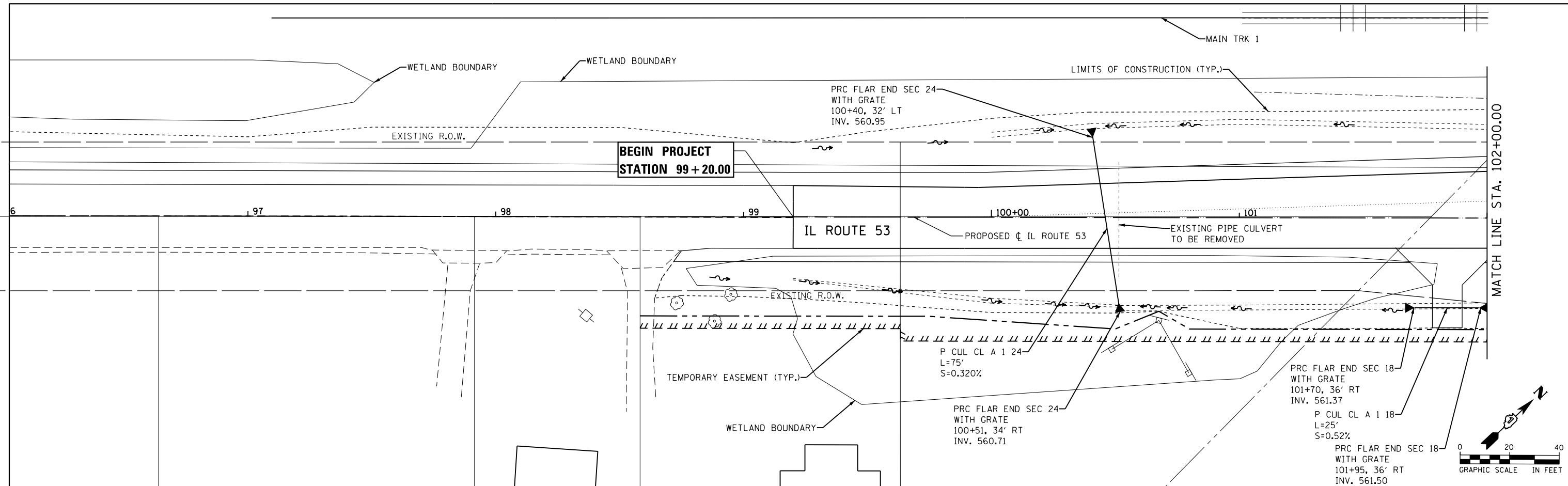
**EROSION CONTROL PLANS  
 STAGE 3 & 4 - ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 7 OF 7 SHEETS STA. 108+00.00 TO STA. 110+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	57
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



96+50	97+00	97+50	98+00	98+50	99+00	99+50	100+00	100+50	101+00	101+50	102+00													
566.32	566.24	566.13	565.87	565.89	565.74	562.41	565.66	565.44	561.43	561.29	565.69	565.59	561.00	560.73	565.73	565.84	561.25	561.05	565.76	566.09	565.84	566.34	561.75	561.55



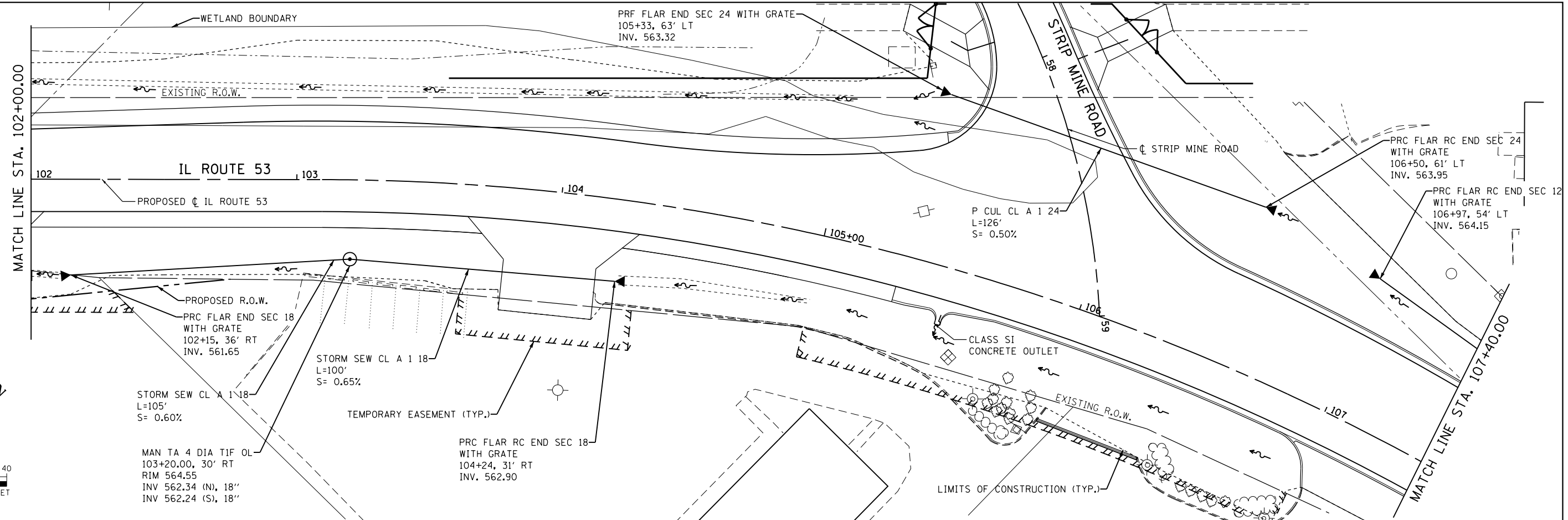
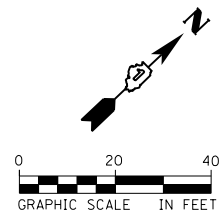
USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

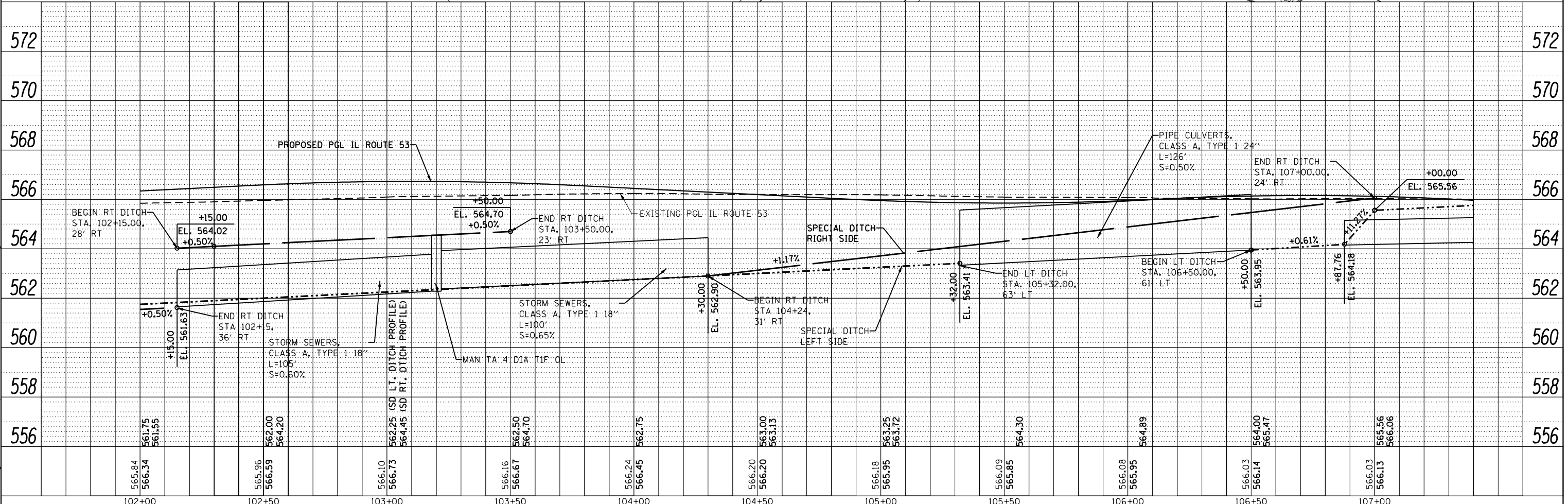
DRAINAGE PLANS AND PROFILES	
ILLINOIS ROUTE 53	
SCALE: 1" = 20'	SHEET 1 OF 4 SHEETS
STA. 96+00.00 TO STA. 102+00.00	

F.A.P. RT. 846	SECTION DIHSRR2016-02	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 58
CONTRACT NO. 62B33				ILLINOIS FED. AID PROJECT

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



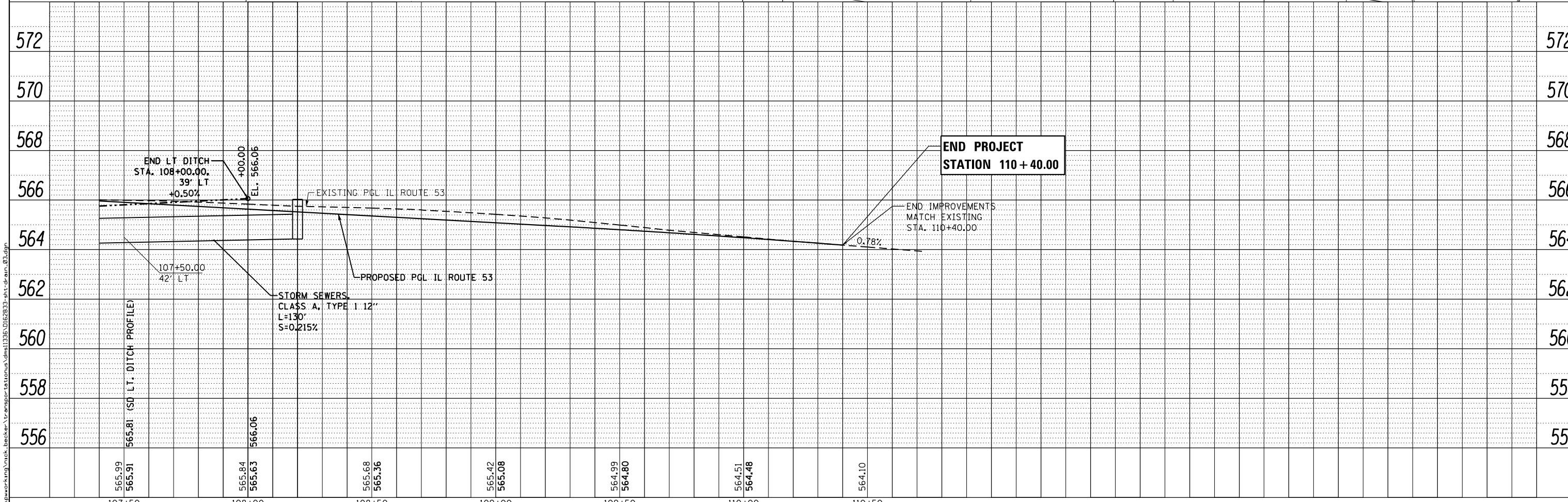
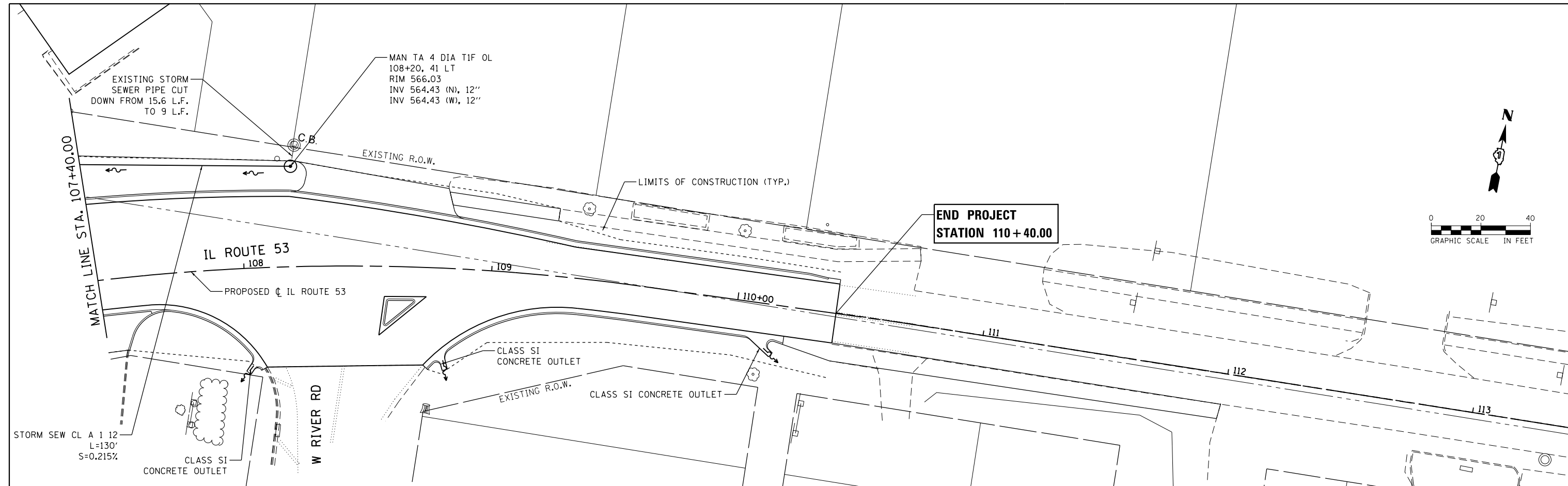
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		
	FILE NAME		



<b>AECOM</b>	USER NAME = nick.becker	DESIGNED - JLM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PLANS AND PROFILES</b> <b>ILLINOIS ROUTE 53</b>	F.A.P. RTE. 846	SECTION DIHSRR2016-02	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 59
	PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -			CONTRACT NO. 62B33				
	PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -			ILLINOIS FED. AID PROJECT				
	SCALE: 1" = 20'					SHEET 2 OF 4 SHEETS STA. 101+80.00 TO STA. 107+40.00				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	FILED	
	NO.	

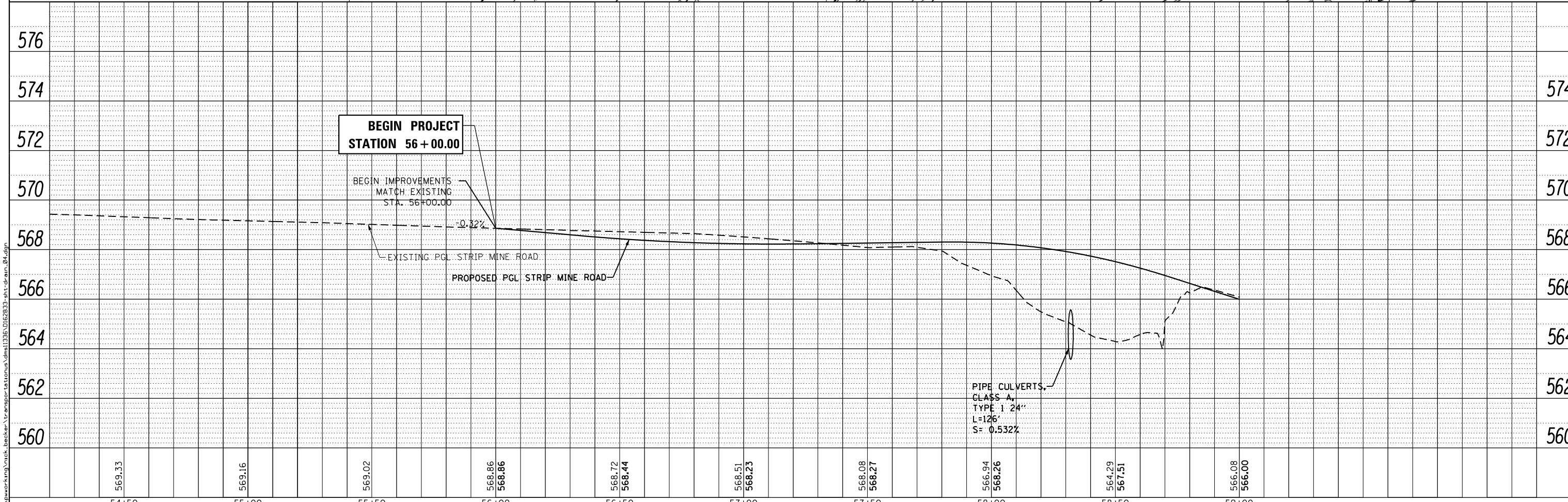
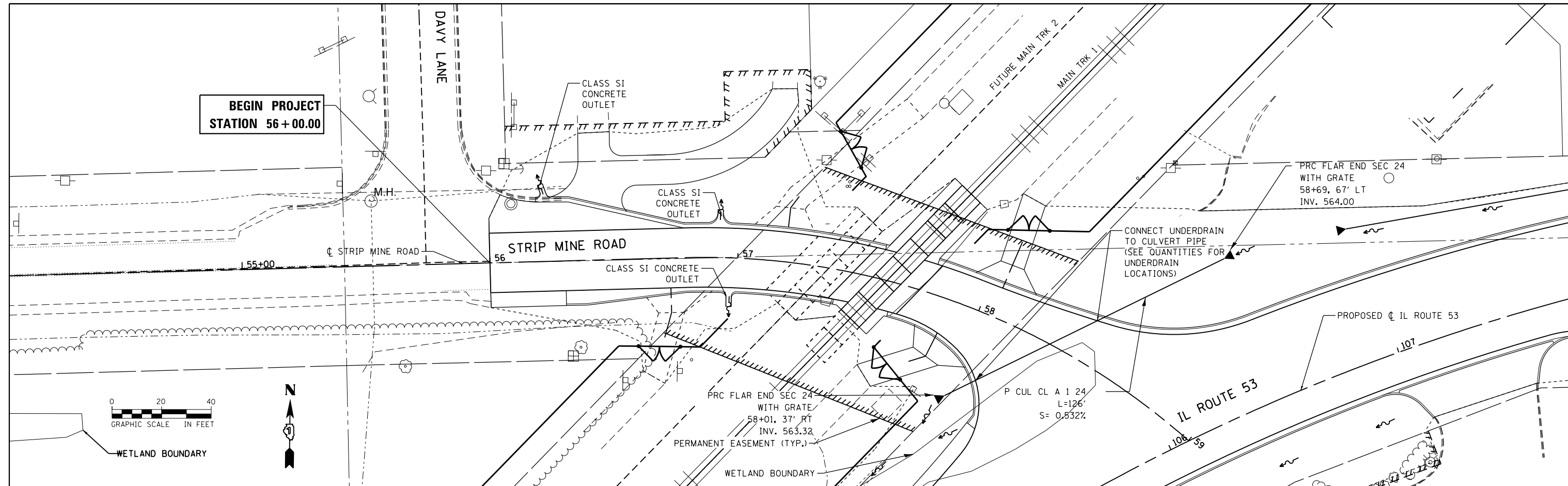
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	

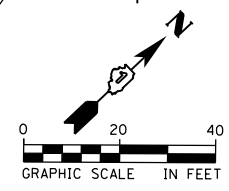
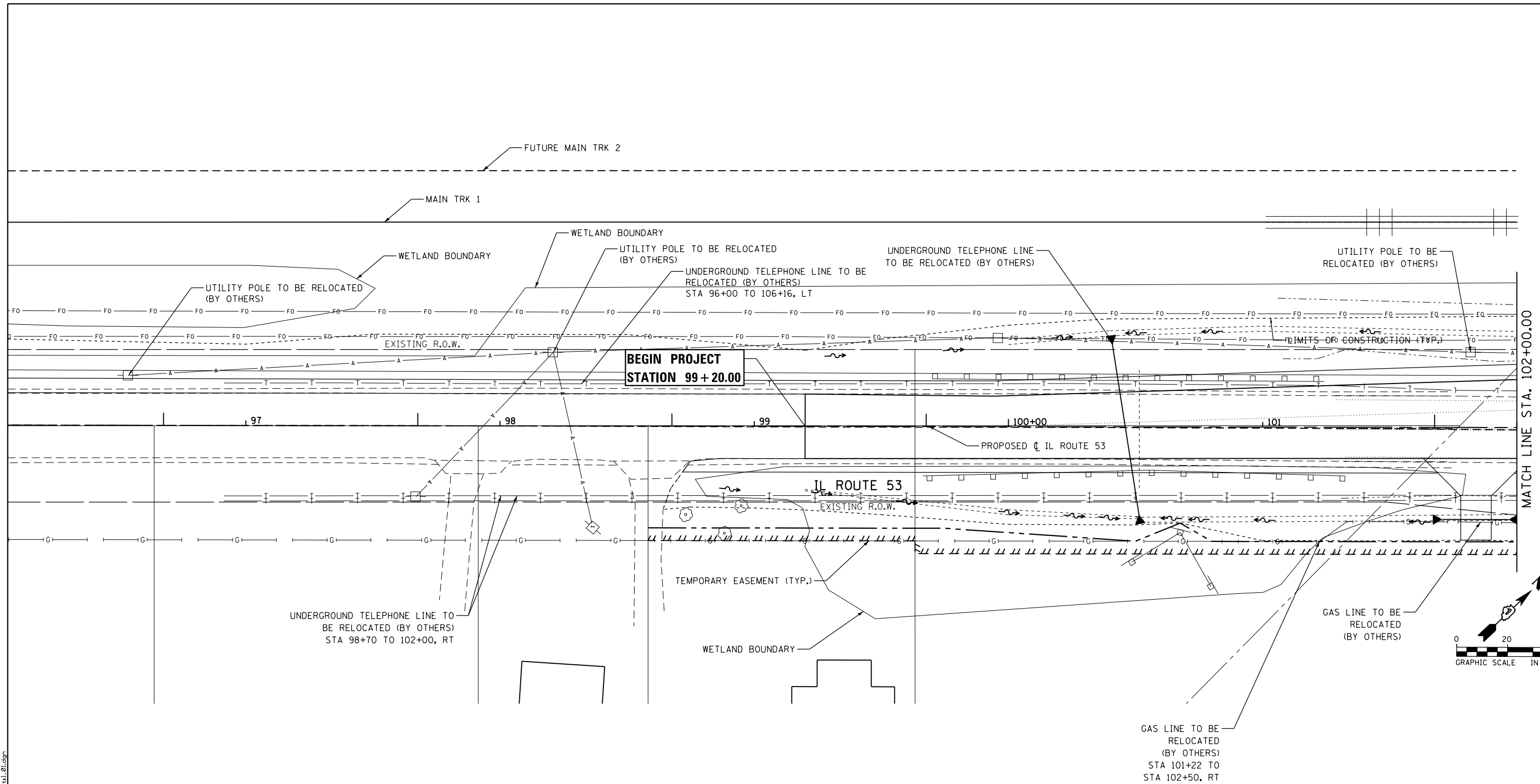


<b>AECOM</b>	USER NAME = nick.becker	DESIGNED - JLM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PLANS AND PROFILES ILLINOIS ROUTE 53</b>		F.A.P. RTE. = 846	SECTION = DIHSRR2016-02	COUNTY = WILL	TOTAL SHEETS = 580	SHEET NO. = 60
	PLOT SCALE = 48.0000 ft / in.	CHECKED - NJB	REVISED -		SCALE: 1" = 20'		SHEET 3 OF 4 SHEETS	CONTRACT NO. 62B33		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/23/2016	DATE = 02/05/2016	REVISED -		STA. 107+40.00 TO STA. 110+40.00						

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	





FILE NAME: c:\ywork\ctg\erin.swanson\transportation\11336\0162833-sht-w11.dwg



USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

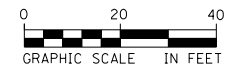
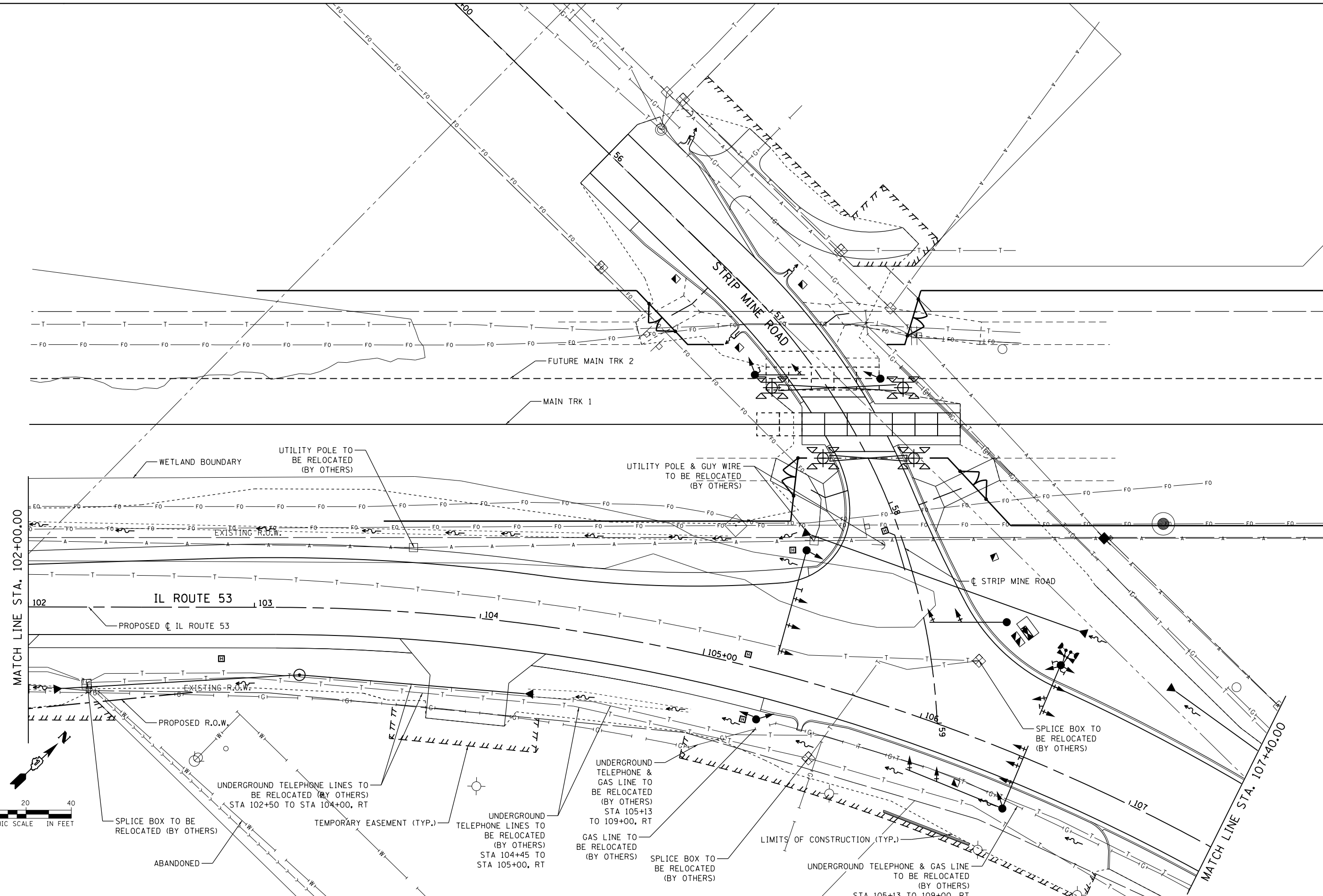
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**UTILITY COORDINATION PLANS  
ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 96+00.00 TO STA. 102+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	62
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

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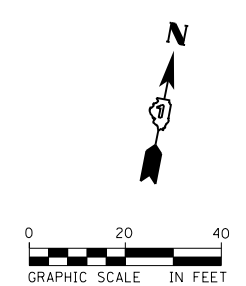
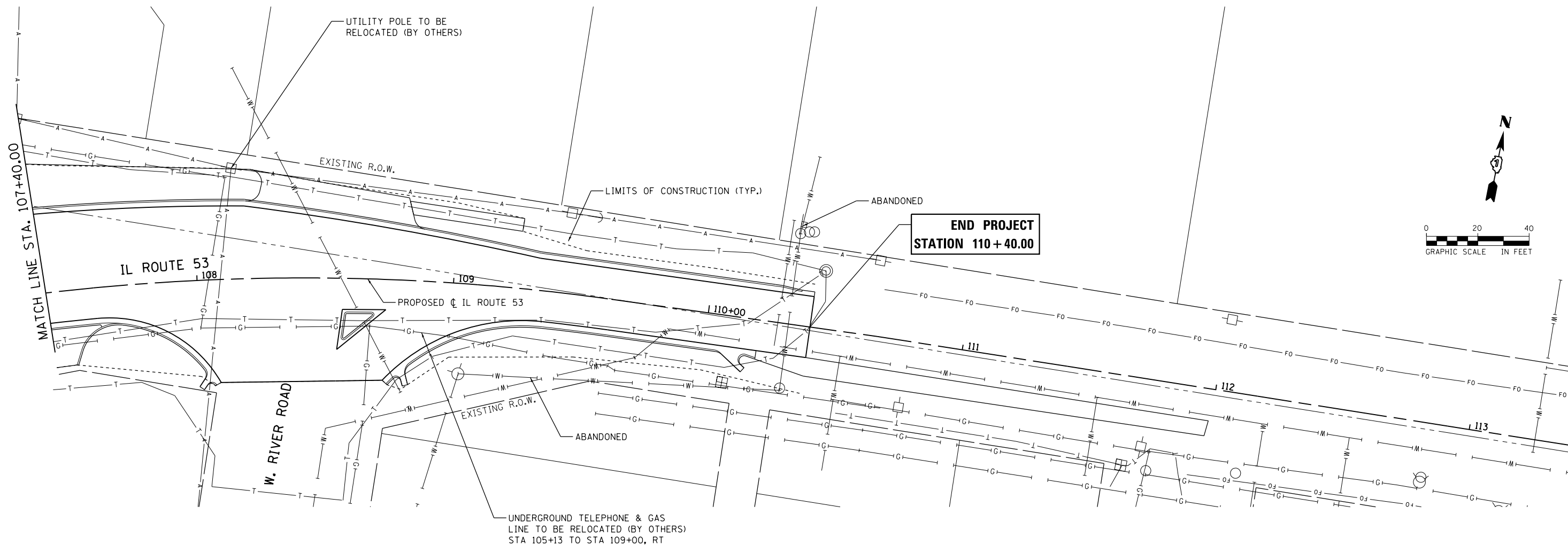
USER NAME = nick_becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000 ft / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**UTILITY COORDINATION PLANS  
ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. 101+80.00 TO STA. 107+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	63
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



FILE NAME = c:\ywork\hunting\nick\_becker\transportation\dm1135\0162833-ah-utl\_03.dgn



USER NAME = nick_becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**UTILITY COORDINATION PLANS  
ILLINOIS ROUTE 53**

SCALE: 1" = 20'    SHEET 3 OF 4 SHEETS    STA. 107+40.00 TO STA. 110+40.00

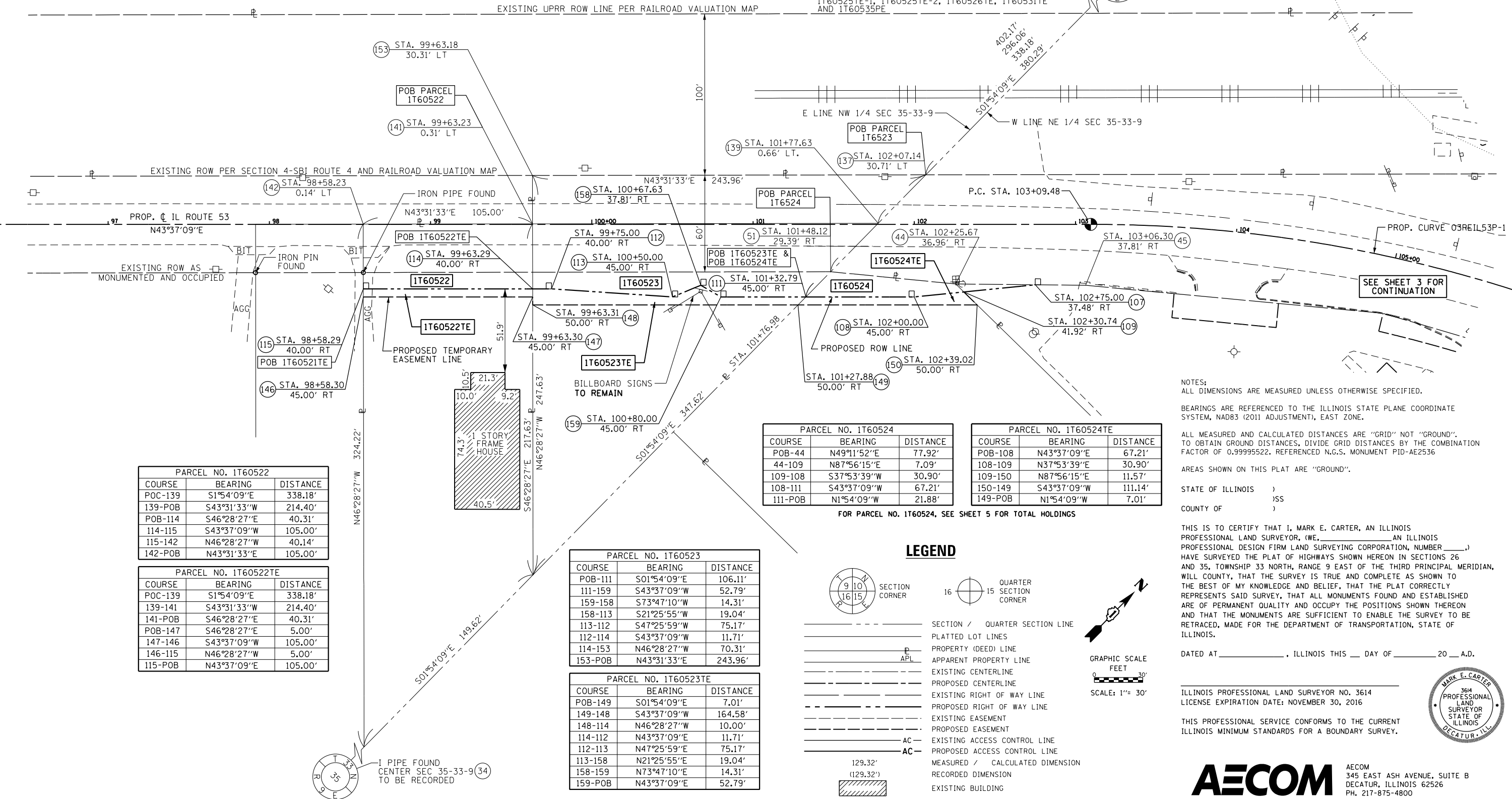
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	64
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	





PART OF THE N 1/2 OF SECTION 35, T33N, R9E OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

83 I PIN FOUND S 1/4 CORNER SEC 26-33-9  
N 1/4 CORNER SEC 35-33-9  
DOCUMENT NO. R79-12978 RECORDED APRIL 20, 1979  
POC PARCELS 1T60522, 1T60522TE, 1T60523,  
1T60523TE, 1T60524, 1T60524TE, 1T60525,  
1T60525TE-1, 1T60525TE-2, 1T60526TE, 1T60531TE  
AND 1T60535PE



PARCEL NO. 1T60522

COURSE	BEARING	DISTANCE
POC-139	S1°54'09"E	338.18'
139-POB	S43°31'33"W	214.40'
POB-114	S46°28'27"E	40.31'
114-115	S43°37'09"W	105.00'
115-142	N46°28'27"W	40.14'
142-POB	N43°31'33"E	105.00'

PARCEL NO. 1T60522TE

COURSE	BEARING	DISTANCE
POC-139	S1°54'09"E	338.18'
139-141	S43°31'33"W	214.40'
141-POB	S46°28'27"E	40.31'
POB-147	S46°28'27"E	5.00'
147-146	S43°37'09"W	105.00'
146-115	N46°28'27"W	5.00'
115-POB	N43°37'09"E	105.00'

PARCEL NO. 1T60523

COURSE	BEARING	DISTANCE
POB-111	S01°54'09"E	106.11'
111-159	S43°37'09"W	52.79'
159-158	S73°47'10"W	14.31'
158-113	S21°25'55"W	19.04'
113-112	S47°25'59"W	75.17'
112-114	S43°37'09"W	11.71'
114-153	N46°28'27"W	70.31'
153-POB	N43°31'33"E	243.96'

PARCEL NO. 1T60523TE

COURSE	BEARING	DISTANCE
POB-149	S01°54'09"E	7.01'
149-148	S43°37'09"W	164.58'
148-114	N46°28'27"W	10.00'
114-112	N43°37'09"E	11.71'
112-113	N47°25'59"E	75.17'
113-158	N21°25'55"E	19.04'
158-159	N73°47'10"E	14.31'
159-POB	N43°37'09"E	52.79'

PARCEL NO. 1T60524

COURSE	BEARING	DISTANCE
POB-44	N49°11'52"E	77.92'
44-109	N87°56'15"E	7.09'
109-108	S37°53'39"W	30.90'
108-111	S43°37'09"W	67.21'
111-POB	N1°54'09"W	21.88'

PARCEL NO. 1T60524TE

COURSE	BEARING	DISTANCE
POB-108	N43°37'09"E	67.21'
108-109	N37°53'39"E	30.90'
109-150	N87°56'15"E	11.57'
150-149	S43°37'09"W	111.14'
149-POB	N1°54'09"W	7.01'

FOR PARCEL NO. 1T60524, SEE SHEET 5 FOR TOTAL HOLDINGS

**LEGEND**

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

GRAPHIC SCALE  
FEET  
SCALE: 1" = 30'

NOTES:  
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.  
BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.  
ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995522. REFERENCED N.G.S. MONUMENT PID-AE2536  
AREAS SHOWN ON THIS PLAT ARE "GROUND".  
STATE OF ILLINOIS )  
                                  )SS  
COUNTY OF                 )

THIS IS TO CERTIFY THAT I, MARK E. CARTER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, \_\_\_\_\_ AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER \_\_\_\_\_) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 26 AND 35, TOWNSHIP 33 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3614  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



**AECOM**  
AECOM  
345 EAST ASH AVENUE, SUITE B  
DECATUR, ILLINOIS 62526  
PH. 217-875-4800

**FOR INFORMATION ONLY**

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1T60522 1T60522TE	0.580	0.097	0.072	0.483	0.012	525	03-17-35-101-002
1T60523 1T60523TE	0.693	0.350	0.295	0.343	0.027	1189	03-17-35-101-001
1T60524 1T60524TE	5.710	0.023	N/A	5.687	0.013	583	03-17-35-201-015 03-17-35-201-023 03-17-35-201-024 03-17-35-201-029 03-17-35-201-030

PROP. CURVE 03REIL53P-1  
PI STA. = 106+52.08  
Δ = 43° 12' 49" (RT)  
D = 6° 37' 26"  
R = 865.00'  
T = 342.60'  
L = 652.40'  
E = 65.37'  
P.C. STA. = 103+09.48  
P.T. STA. = 109+61.88

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

REVISION DATE: / / REVISION MADE BY:

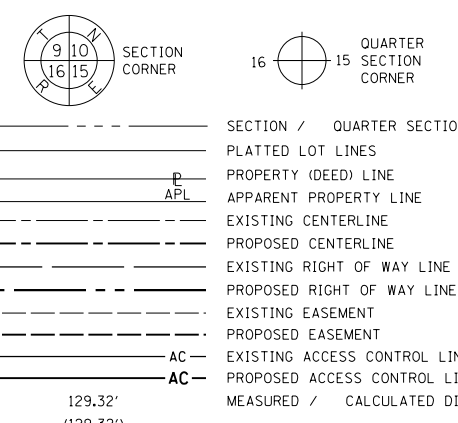
**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 846 (IL RTE 53)

LIMITS: COUNTY: WILL  
SECTION: DIHSRR2016-02 JOB NO.: R-91-013-14  
STA. 96+31.20 TO STA. 105+80.61  
SCALE: 1" = 30' SHEET 2 OF 6 SHEETS

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

83  
 I PIN FOUND S 1/4 CORNER SEC 26-33-9  
 N 1/4 CORNER SEC 35-33-9  
 DOCUMENT NO. R79-12978 RECORDED  
 APRIL 20, 1979  
 POC PARCELS 1T60522, 1T60522TE,  
 1T60523, 1T60523TE, 1T60524,  
 1T60524TE, 1T60525, 1T60525TE-1,  
 1T60525TE-2, 1T60526TE, 1T60531TE  
 AND 1T60535PE

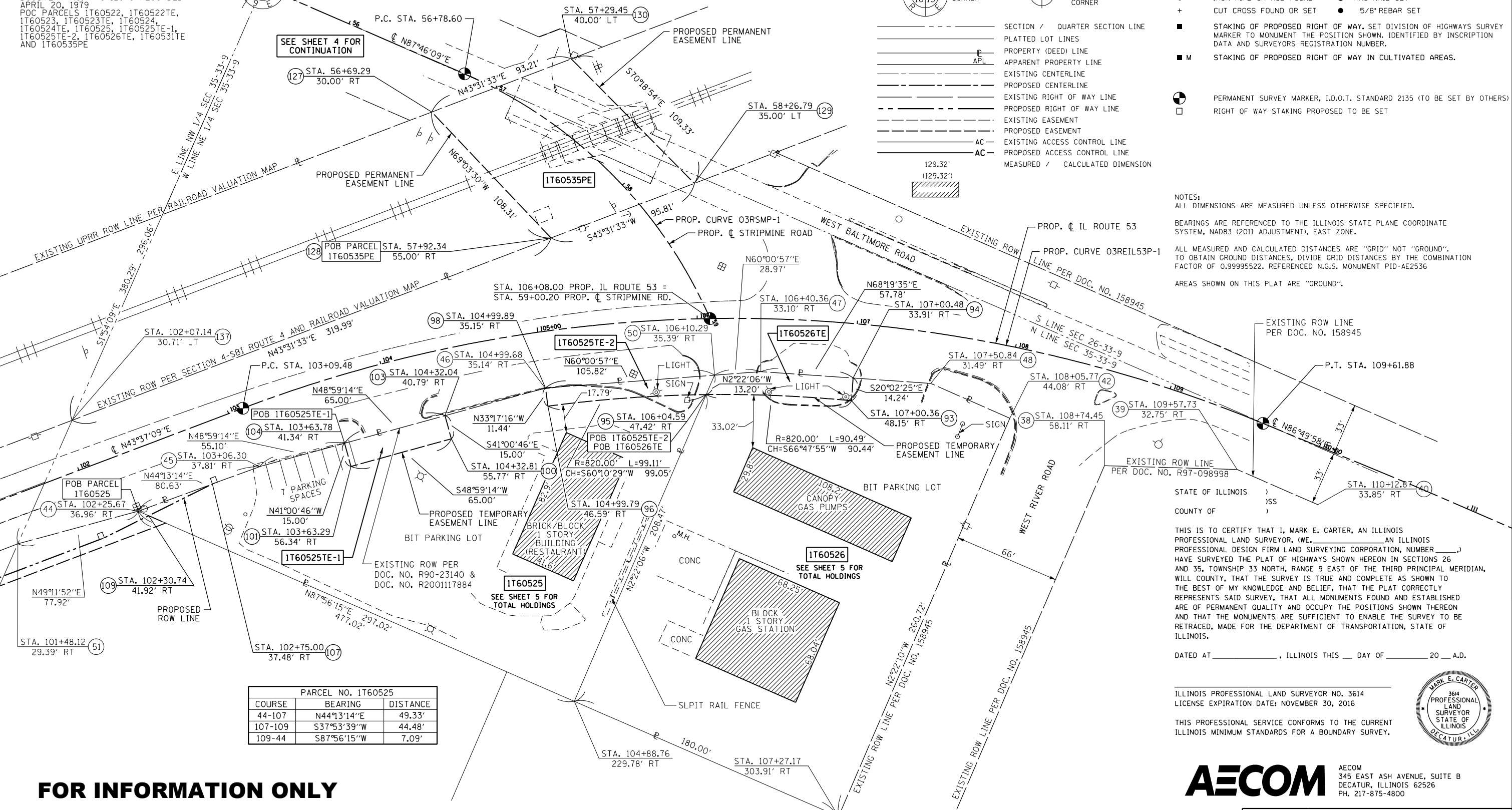
PART OF THE NE 1/4 OF SECTION 35, T33N, R9E OF  
 THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



**LEGEND**

- IRON PIPE OR ROD FOUND
- ⊕ \*MAG\* NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

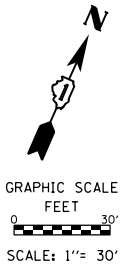
NOTES:  
 ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.  
 BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.  
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995522. REFERENCED N.G.S. MONUMENT P10-AE2536  
 AREAS SHOWN ON THIS PLAT ARE "GROUND".



PARCEL NO. 1T60525		
COURSE	BEARING	DISTANCE
44-107	N44°13'14"E	49.33'
107-109	S37°53'39"W	44.48'
109-44	S87°56'15"W	7.09'

**FOR INFORMATION ONLY**

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1T60525	0.843	0.003 (121 SF)	N/A	0.840	TE 1 = 0.022	975	03-17-35-201-031
1T60525TE-1					TE 2 = 0.025	1086	
1T60526TE	1.090	N/A	N/A	1.090	0.028	1218	03-17-35-201-033
1T60535PE	N/A	N/A	0.177	N/A	0.217	9451	03-17-35-503-001 03-17-26-503-002



PROP. CURVE O3REIL53P-1  
 PI STA. = 106+52.08  
 $\Delta = 43^\circ 12' 49''$  (RT)  
 $D = 6^\circ 37' 26''$   
 $R = 865.00'$   
 $T = 342.60'$   
 $L = 652.40'$   
 $E = 65.37'$   
 P.C. STA. = 103+09.48  
 P.T. STA. = 109+61.88

PROP. CURVE O3RSMP-1  
 PI STA. = 57+94.92  
 $\Delta = 43^\circ 02' 21''$  (RT)  
 $D = 19^\circ 25' 20''$   
 $R = 295.00'$   
 $T = 116.32'$   
 $L = 221.60'$   
 $E = 22.10'$   
 P.C. STA. = 56+78.60  
 P.T. STA. = 59+00.20

REVISION DATE: / / REVISION MADE BY:

DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3614  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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



**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**FAP 846 (IL RTE 53)**

LIMITS: COUNTY: WILL  
 SECTION: DIHSRR2016-02 JOB NO.: R-91-013-14  
 STA. 101+46.50 TO STA. 110+12.87  
 SCALE: 1" = 30' SHEET 3 OF 6 SHEETS

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

PART OF THE S 1/2 OF SECTION 26, T33N, R9E OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.  
 PART OF THE N 1/2 OF SECTION 35, T33N, R9E OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

**LEGEND**

- SECTION CORNER
- QUARTER SECTION CORNER
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED / CALCULATED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

NOTES:  
 ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995522. REFERENCED N.G.S. MONUMENT PID-AE2536

AREAS SHOWN ON THIS PLAT ARE "GROUND".

PARCEL NO. 1T60531TE		
COURSE	BEARING	DISTANCE
POB-80	N2°09'37"W	15.00'
80-122	N87°58'16"E	89.00'
122-123	N2°09'37"W	20.00'
123-124	N87°58'16"E	35.00'
124-27	S2°09'37"E	16.11'
27-30	S43°31'33"W	26.97'
30-POB	S87°58'16"W	104.70'

IRON PIN FOUND (71)  
 SW COR SEC 26-33-9  
 NW COR SEC 35-33-9  
 NE COR SEC 34-33-9  
 TO BE RECORDED

IRON PIN FOUND (83)  
 S 1/4 CORNER SEC 26-33-9  
 N 1/4 CORNER SEC 35-33-9  
 DOCUMENT NO. R79-12978  
 RECORDED APRIL 20, 1979  
 POC PARCELS 1T60522, 1T60522TE,  
 1T60523, 1T60523TE, 1T60524,  
 1T60524TE, 1T60525, 1T60525TE-1,  
 1T60525TE-2, 1T60526TE, 1T60531TE  
 AND 1T60535PE

S LINE SW 1/4 SEC 26-33-9  
 N LINE NW 1/4 SEC 35-33-9

EXISTING ROW PER DOC. 923727, BK. 1741 PG. 289  
 (STRIP MAP BK. 1741 PG. 291-292)

EXISTING ROW PER DOC. 923727, BK. 1741 PG. 289  
 (STRIP MAP BK. 1741 PG. 291-292)

**FOR INFORMATION ONLY**

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1T60531TE	2.480	N/A	N/A	2.480	0.055	2378	03-17-26-400-005 03-17-26-400-011 03-17-26-407-013

IRON PIN FOUND (81)  
 CENTER SEC 26-33-9  
 DOCUMENT NO. R92-97766  
 RECORDED DECEMBER 8, 1992

E LINE SW 1/4 SEC 26-33-9

W LINE SE 1/4 SEC 26-33-9

DAVY LANE

STA. 55+41.37  
40.18' LT

STA. 56+07.39  
54.95' LT

STA. 56+92.80  
75.07' LT

STA. 57+20.48  
78.27' LT

STA. 57+22.34  
62.32' LT

STA. 57+39.60  
56.94' LT

STA. 57+08.01  
41.25' LT

STA. 56+41.09  
39.82' RT

STA. 56+58.78  
40.23' RT

STA. 56+07.37  
39.95' LT

STA. 56+93.59  
55.09' LT

STA. 57+15.82  
52.31' LT

STA. 57+08.01  
41.25' LT

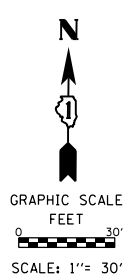
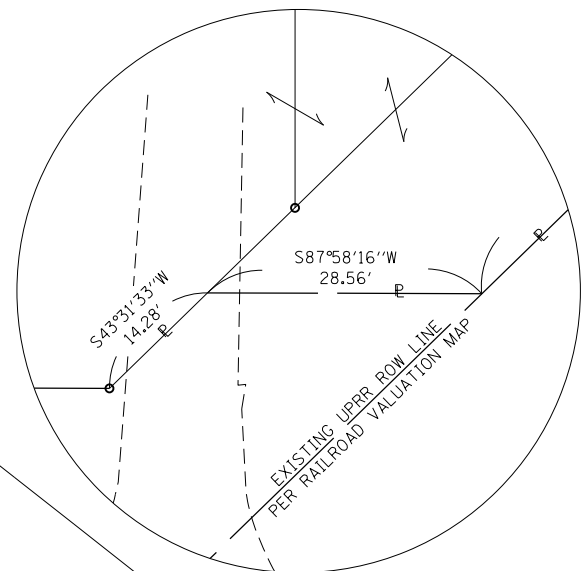
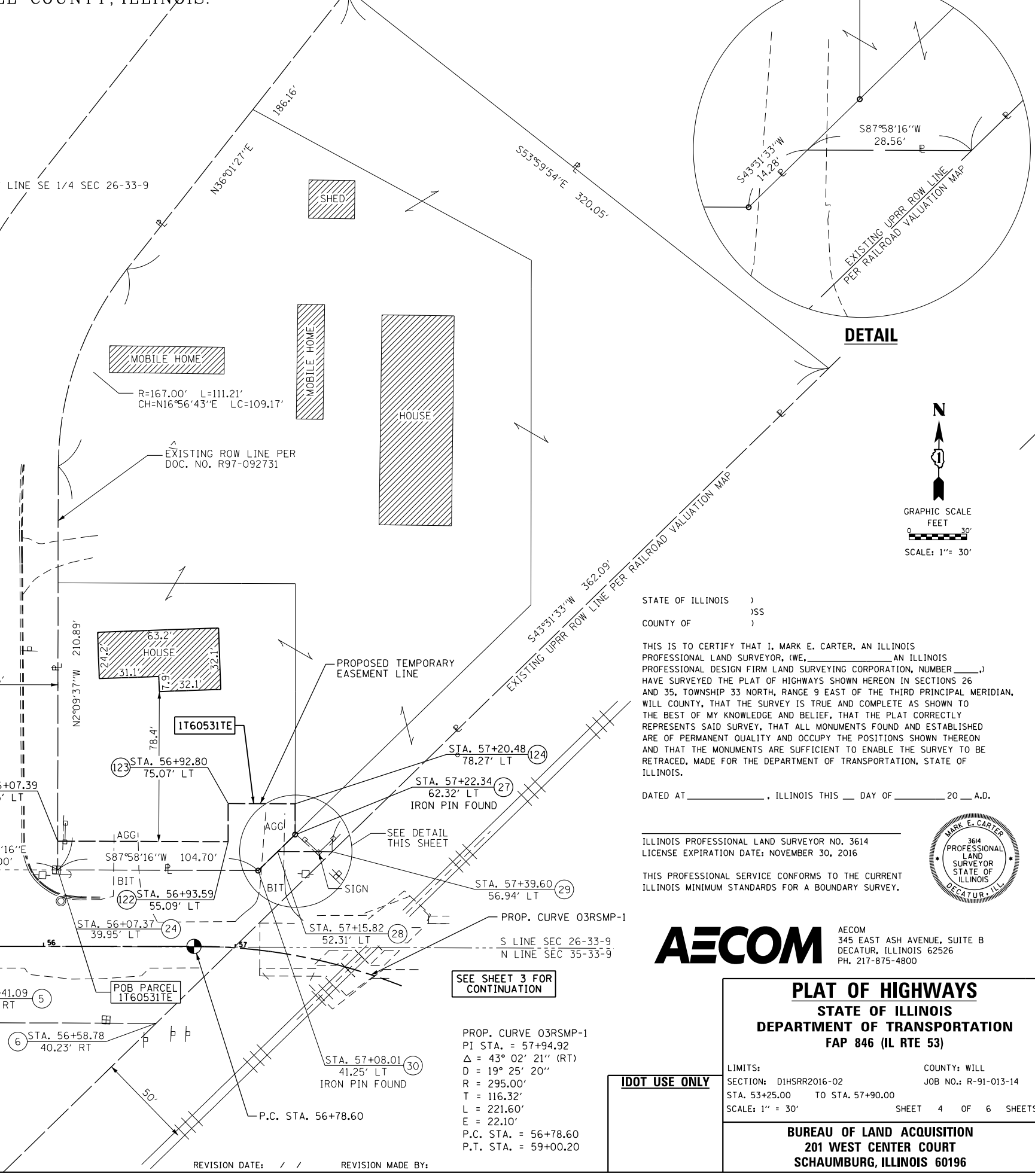
STA. 57+08.01  
41.25' LT

STA. 57+08.01  
41.25' LT

STA. 57+08.01  
41.25' LT

STA. 57+08.01  
41.25' LT

STA. 57+08.01  
41.25' LT



STATE OF ILLINOIS )  
 )SS  
 COUNTY OF )

THIS IS TO CERTIFY THAT I, MARK E. CARTER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, \_\_\_\_\_ AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER \_\_\_\_\_) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 26 AND 35, TOWNSHIP 33 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3614  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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



**AECOM**  
 AECOM  
 345 EAST ASH AVENUE, SUITE B  
 DECATUR, ILLINOIS 62526  
 PH. 217-875-4800

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 FAP 846 (IL RTE 53)

LIMITS: COUNTY: WILL  
 SECTION: DIHSRR2016-02 JOB NO.: R-91-013-14  
 STA. 53+25.00 TO STA. 57+90.00  
 SCALE: 1" = 30' SHEET 4 OF 6 SHEETS

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

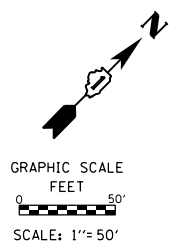
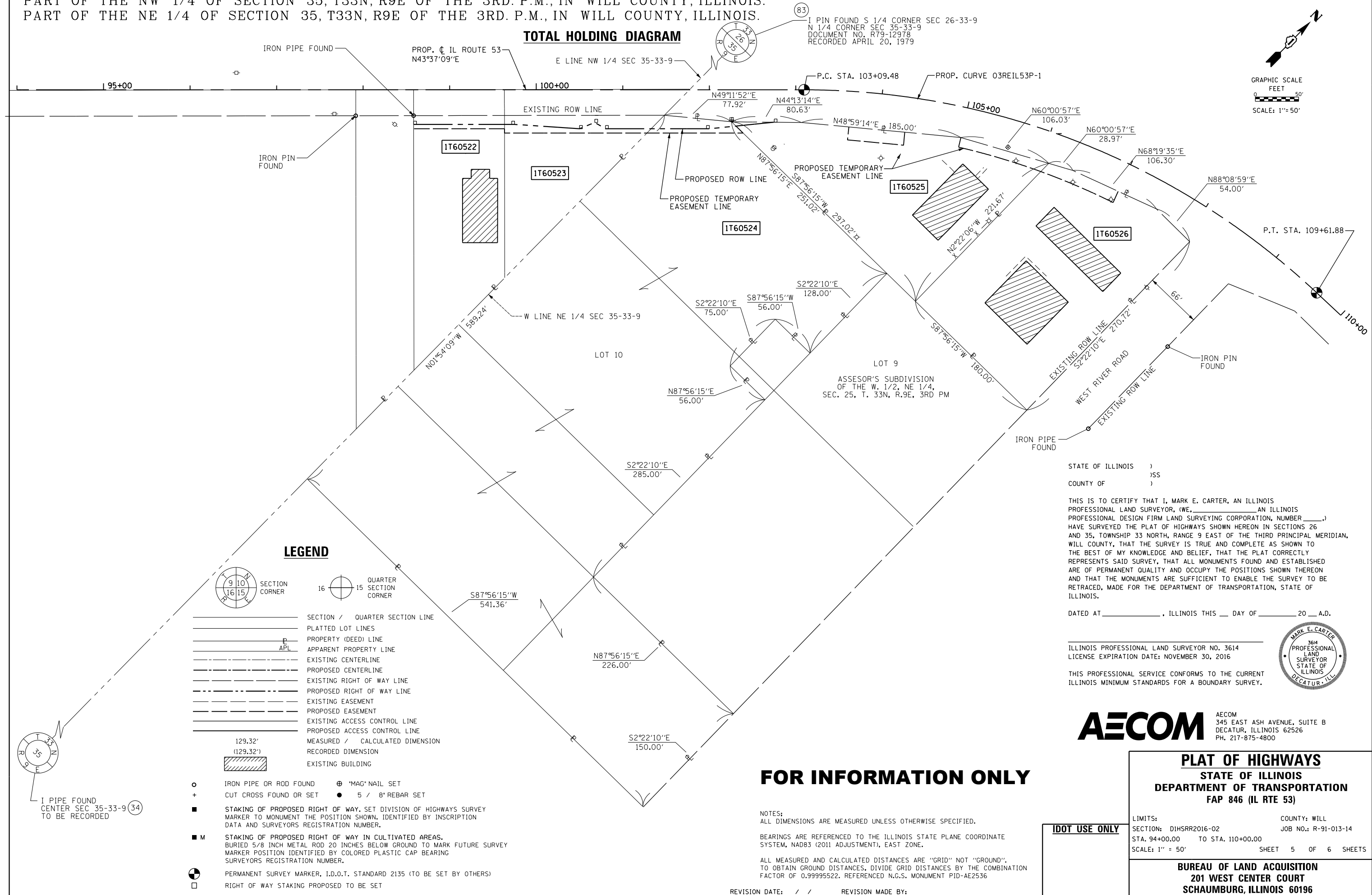
SEE SHEET 3 FOR CONTINUATION

PROP. CURVE O3RSMP-1  
 PI STA. = 57+94.92  
 Δ = 43° 02' 21" (RT)  
 D = 19° 25' 20"  
 R = 295.00'  
 T = 116.32'  
 L = 221.60'  
 E = 22.10'  
 P.C. STA. = 56+78.60  
 P.T. STA. = 59+00.20

REVISION DATE: / / REVISION MADE BY:

PART OF THE NW 1/4 OF SECTION 35, T33N, R9E OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.  
 PART OF THE NE 1/4 OF SECTION 35, T33N, R9E OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

**TOTAL HOLDING DIAGRAM**



- LEGEND**
- SECTION CORNER
  - QUARTER SECTION CORNER
  - SECTION / QUARTER SECTION LINE
  - PLATTED LOT LINES
  - PROPERTY (DEED) LINE
  - APPARENT PROPERTY LINE
  - EXISTING CENTERLINE
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  - MEASURED / CALCULATED DIMENSION
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  - EXISTING BUILDING
  - IRON PIPE OR ROD FOUND
  - CUT CROSS FOUND OR SET
  - \*MAG\* NAIL SET
  - 5 / 8" REBAR SET
  - STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
  - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
  - RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF )

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DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3614  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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**AECOM** AECOM  
 345 EAST ASH AVENUE, SUITE B  
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 PH. 217-875-4800

**FOR INFORMATION ONLY**

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**IDOT USE ONLY**

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 FAP 846 (IL RTE 53)

LIMITS: COUNTY: WILL  
 SECTION: DIHSRR2016-02 JOB NO.: R-91-013-14  
 STA. 94+00.00 TO STA. 110+00.00  
 SCALE: 1" = 50' SHEET 5 OF 6 SHEETS

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

REVISION DATE: / / REVISION MADE BY:

PROJECT COORDINATES ARE ILLINOIS STATE PLANE, EAST ZONE NAD 83 (2011)

**PROPOSED CENTERLINE CONTROL**

POINT	STATION	OFFSET	NORTHING	EASTING
STRIPMINE RD.				
POT	48+00.00	0.00' RT.	1689385.676	1030853.780
BEGIN	56+00.00	0.00' RT.	1689416.816	1031653.174
PC	56+78.60	0.00' RT.	1689419.876	1031731.713
PI	57+94.92	22.10' LT.	1689424.404	1031847.945
PT	59+00.20	0.00' RT.	1689348.385	1031935.988
IL. ROUTE 53				
POT	89+00.00	0.00' RT.	1688151.340	1030724.847
BEGIN	99+20.00	0.00' RT.	1688889.761	1031428.505
PC	103+09.48	0.00' RT.	1689171.723	1031697.193
PI	106+52.08	65.37' LT.	1689419.743	1031933.537
PT	109+61.88	0.00' RT.	1689438.672	1032275.610
END	110+40.00	0.00' RT.	1689442.988	1032353.609
PI	110+66.42	0.00' RT.	1689444.448	1032379.985
POT	114+31.13	0.00' RT.	1689458.371	1032744.438

**EXISTING ROW CONTROL**

POINT	STATION	OFFSET	NORTHING	EASTING
5	55+41.09	39.82' RT.	1689374.736	1031595.858
14	55+41.37	40.18' LT.	1689454.687	1031593.022
24	56+07.37	39.95' LT.	1689457.023	1031658.981
6	56+58.78	40.23' RT.	1689378.904	1031713.478
30	57+08.01	41.25' LT.	1689460.730	1031763.615
28	57+15.82	52.31' LT.	1689471.085	1031773.450
29	57+39.60	56.94' LT.	1689472.096	1031801.995
142	98+58.23	0.14' LT.	1688845.137	1031385.788
153	99+63.18	30.31' LT.	1688941.929	1031436.348
141	99+63.23	0.31' LT.	1688921.268	1031458.100
51	101+48.12	29.39' RT.	1689034.635	1031607.154
139	101+77.63	0.66' LT.	1689076.725	1031605.756
137	102+07.14	30.71' LT.	1689118.815	1031604.358
44	102+25.67	36.96' RT.	1689085.549	1031666.134
45	103+06.30	37.81' RT.	1689143.333	1031722.367
46	104+99.68	35.14' RT.	1689264.735	1031861.961
50	106+10.29	35.39' RT.	1689317.725	1031953.801
47	106+40.36	33.10' RT.	1689332.203	1031978.893
48	107+50.84	31.49' RT.	1689371.462	1032077.678
42	108+05.77	44.08' RT.	1689373.205	1032131.653
38	108+74.45	58.11' RT.	1689372.045	1032197.757
39	109+57.73	32.75' RT.	1689405.745	1032273.429
40	110+12.87	33.85' RT.	1689407.692	1032328.395
34	CENTER SEC 35-33-9		1686767.488	1031682.458
81	CENTER SEC 26-33-9		1692044.473	1031495.328
83	S 1/4 CORNER SEC 26-33-9		1689414.715	1031594.530
71	NW CORNER SEC 35-33-9		1689310.464	1028962.518

**PROPOSED ROW CONTROL**

POINT	STATION	OFFSET	NORTHING	EASTING
115	98+58.29	40.00' RT.	1688817.493	1031414.892
114	99+63.29	40.00' RT.	1688893.507	1031487.328
112	99+75.00	40.00' RT.	1688901.984	1031495.405
113	100+50.00	45.00' RT.	1688952.830	1031550.764
158	100+67.63	37.81' RT.	1688970.553	1031557.721
159	100+80.00	45.00' RT.	1688974.548	1031571.460
111	101+32.79	45.00' RT.	1689012.768	1031607.881
108	102+00.00	45.00' RT.	1689061.421	1031654.243
109	102+30.74	41.92' RT.	1689085.804	1031673.221
107	102+75.00	37.48' RT.	1689120.904	1031700.540

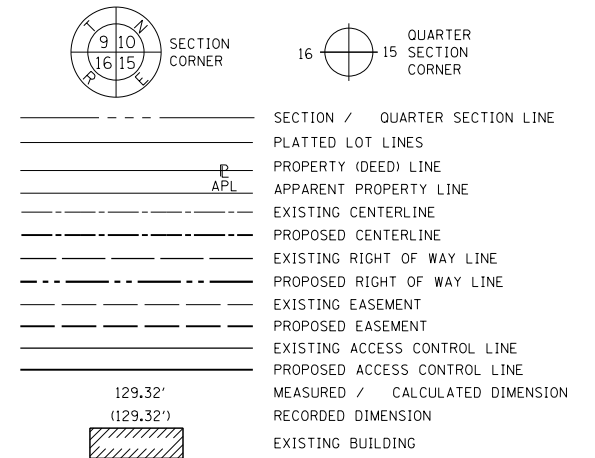
**PROPOSED TEMPORARY EASEMENT CONTROL**

POINT	STATION	OFFSET	NORTHING	EASTING
146	98+58.30	45.00' RT.	1688814.050	1031418.518
147	99+63.30	45.00' RT.	1688890.064	1031490.953
148	99+63.31	50.00' RT.	1688886.620	1031494.578
149	101+27.88	50.00' RT.	1689005.764	1031608.113
150	102+39.02	50.00' RT.	1689086.221	1031684.782
101	103+63.29	56.34' RT.	1689168.173	1031773.787
104	103+63.78	41.34' RT.	1689179.491	1031763.943
103	104+32.04	40.79' RT.	1689222.146	1031812.990
100	104+32.81	55.77' RT.	1689210.828	1031822.833
96	104+99.79	46.59' RT.	1689255.275	1031868.418
98	104+99.89	35.15' RT.	1689264.838	1031862.139
95	106+04.59	47.42' RT.	1689304.536	1031954.346
94	107+00.48	33.91' RT.	1689353.544	1032032.594
93	107+00.36	48.15' RT.	1689340.167	1032037.473
80	56+07.39	54.95' LT.	1689472.013	1031658.416
123	56+92.80	75.07' LT.	1689495.150	1031746.606
122	56+93.59	55.09' LT.	1689475.164	1031747.360
124	57+20.48	78.27' LT.	1689496.389	1031781.584
27	57+22.34	62.32' LT.	1689480.288	1031782.192

**PROPOSED PERMANENT EASEMENT CONTROL**

POINT	STATION	OFFSET	NORTHING	EASTING
127	56+69.29	30.00' RT.	1689389.536	1031723.577
128	57+92.34	55.00' RT.	1689350.826	1031824.729
129	58+26.79	35.00' LT.	1689420.294	1031890.711
130	57+29.45	40.00' LT.	1689457.121	1031787.771

**LEGEND**



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

NOTES:  
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STATE OF ILLINOIS )  
                                  )SS  
COUNTY OF )

THIS IS TO CERTIFY THAT I, MARK E. CARTER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, \_\_\_\_\_ AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER \_\_\_\_\_,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 26 AND 35, TOWNSHIP 33 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3614  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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



**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**FAP 846 (IL RTE 53)**

LIMITS: COUNTY: WILL  
SECTION: DIHSRR2016-02 JOB NO.: R-91-013-14  
STA. TO STA.  
SCALE: SHEET 6 OF 6 SHEETS

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

**FOR INFORMATION ONLY**

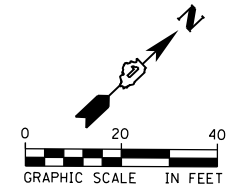
REVISION DATE: / / REVISION MADE BY:

**RAISED REFLECTIVE PAVEMENT MARKERS LEGEND**

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

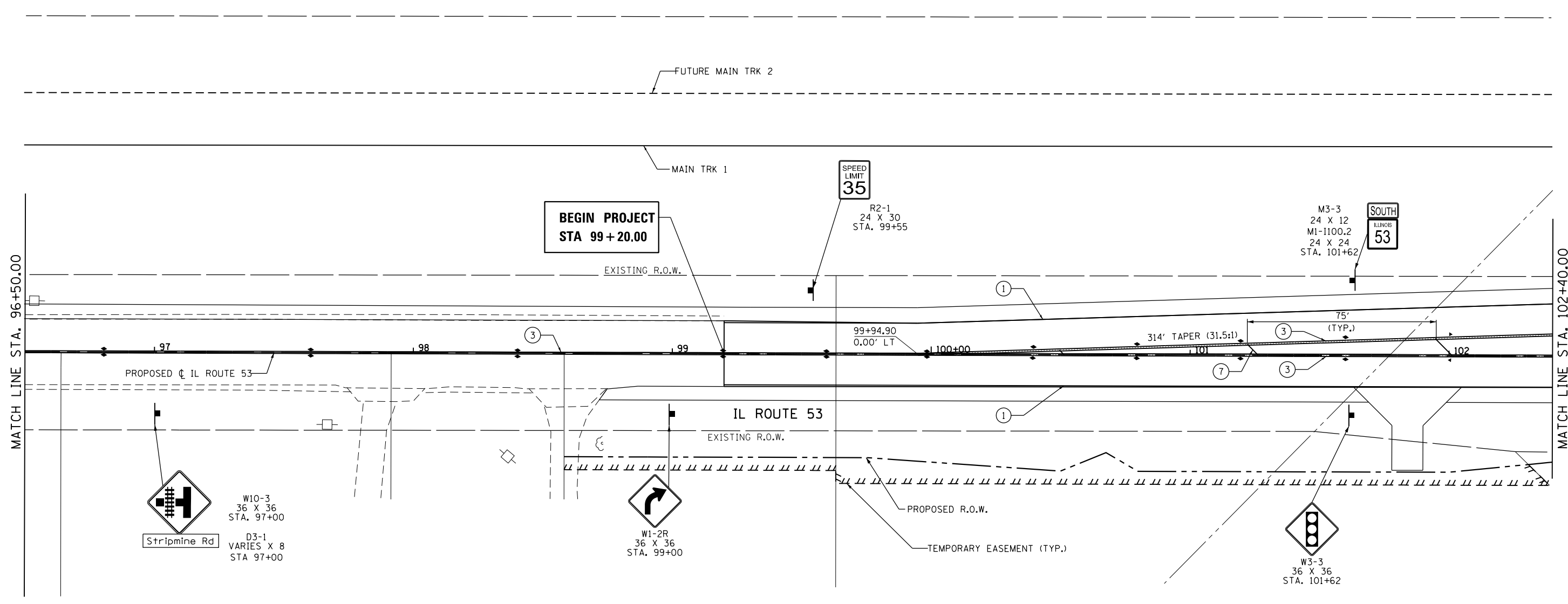
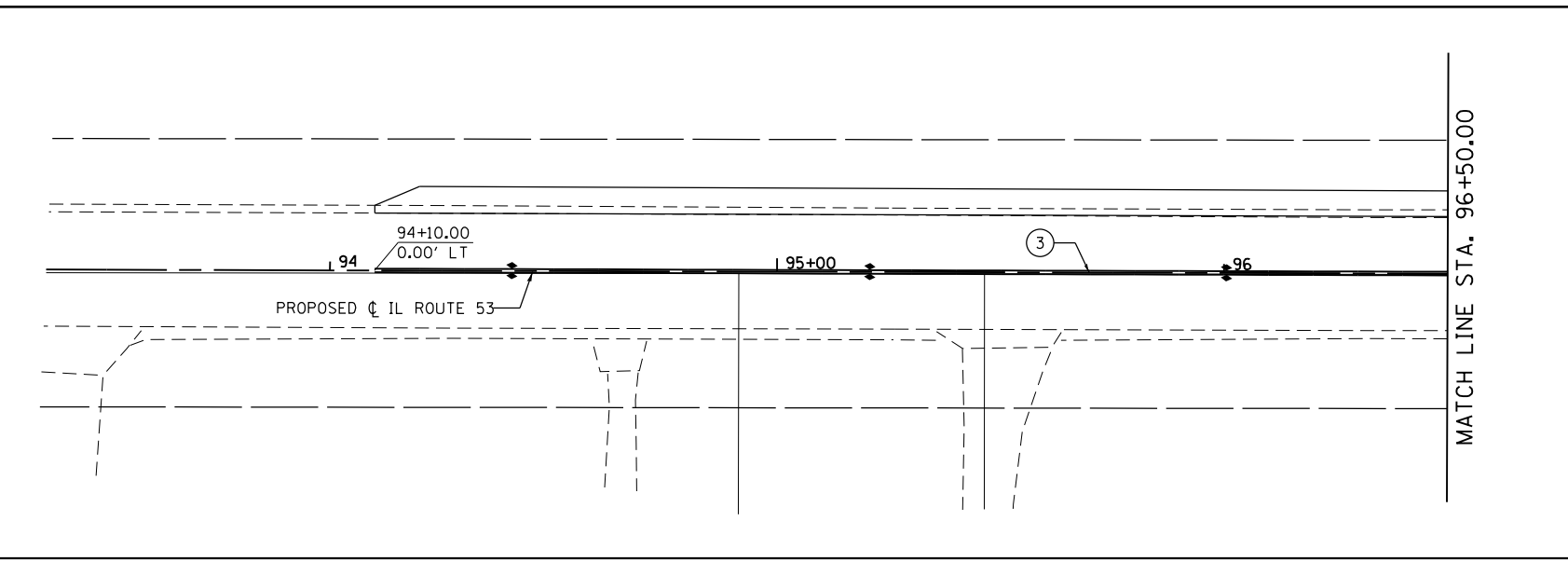
**NOTES**

1. REFER TO IDOT DISTRICT 1 STANDARD DETAILS TC-11, TC-13, AND TC-23 FOR PAVEMENT MARKING DETAILS.
2. HI-PRISMATIC SIGNS TO BE ADDED BELOW ALL YELLOW AND RED WARNING SIGNS.



**PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING -LINE 4" (SOLID WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING -LINE 6" (WHITE SKIP DASH, 2' LINE 6' DASH)
- ③ THERMOPLASTIC PAVEMENT MARKING -LINE 4" (DOUBLE YELLOW, 11" C-C)
- ④ THERMOPLASTIC PAVEMENT MARKING -LINE 24" (SOLID WHITE STOP BAR)
- ⑤ THERMOPLASTIC PAVEMENT MARKING -LINE 6" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING -LETTER AND SYMBOLS (WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING -LINE 12" (YELLOW DIAGONALS)
- ⑧ THERMOPLASTIC PAVEMENT MARKING -LINE 6" (WHITE DIAGONALS, 8' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING -LINE 12" (SOLID WHITE)



FILE NAME: c:\yearchung\erin.swanson\transportation\11336\0162833-ast-pmk.dwg



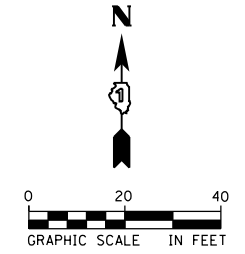
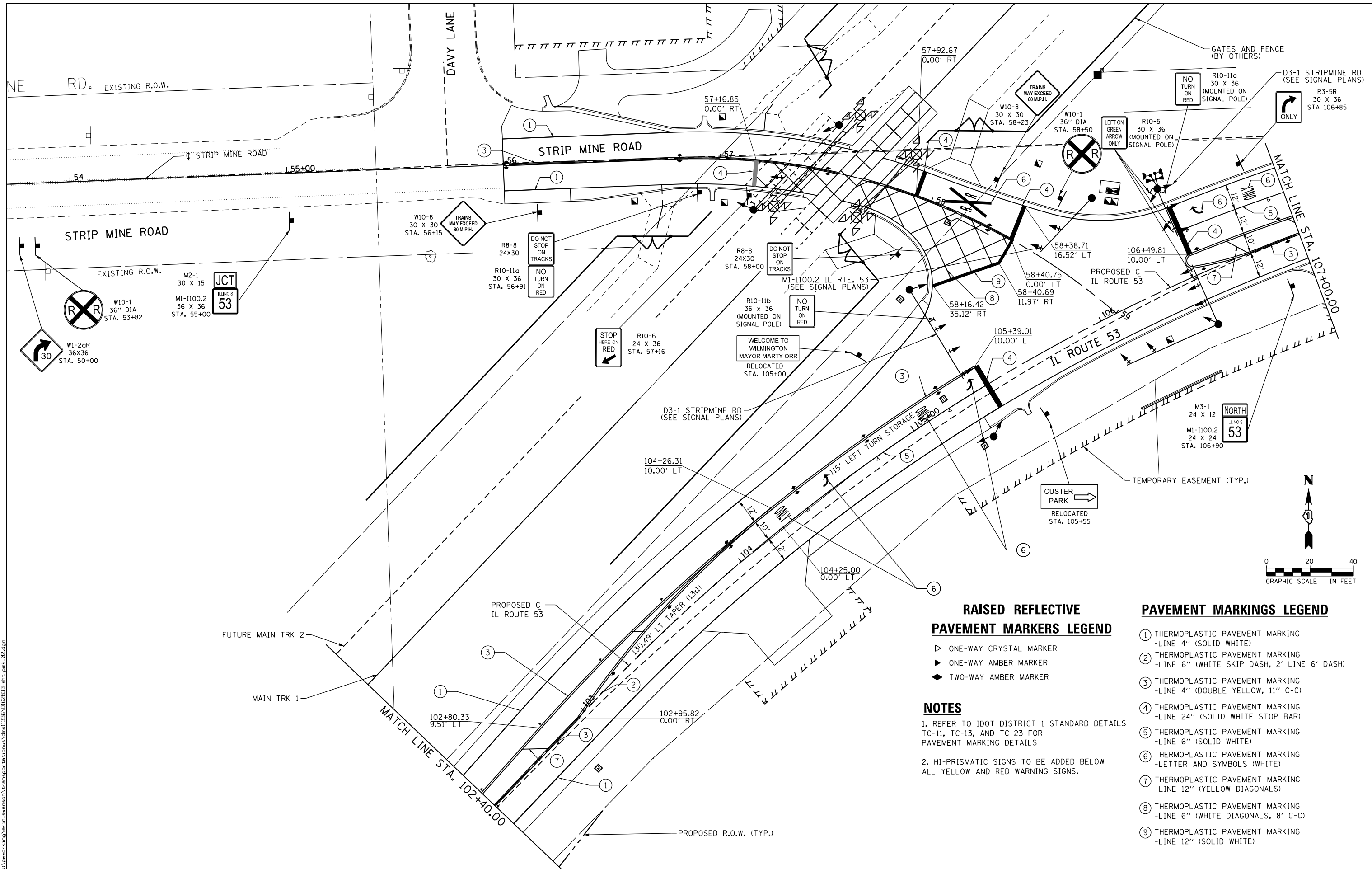
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DRAWN - BWL, EKS	REVISED -	
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PLOT DATE = 4/13/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING AND PAVEMENT MARKING PLANS  
ILLINOIS ROUTE 53**

SCALE: 1" = 20'    SHEET 1 OF 3 SHEETS    STA. 99+20.00 TO STA. 102+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	71
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



**RAISED REFLECTIVE PAVEMENT MARKERS LEGEND**

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

**NOTES**

1. REFER TO IDOT DISTRICT 1 STANDARD DETAILS TC-11, TC-13, AND TC-23 FOR PAVEMENT MARKING DETAILS
2. HI-PRISMATIC SIGNS TO BE ADDED BELOW ALL YELLOW AND RED WARNING SIGNS.

**PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING -LINE 4" (SOLID WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING -LINE 6" (WHITE SKIP DASH, 2' LINE 6' DASH)
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- ⑧ THERMOPLASTIC PAVEMENT MARKING -LINE 6" (WHITE DIAGONALS, 8' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING -LINE 12" (SOLID WHITE)



USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 4/12/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SIGNING AND PAVEMENT MARKING PLANS ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 102+40.00 TO STA. 107+00.00

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 72
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

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**RAISED REFLECTIVE  
PAVEMENT MARKERS LEGEND**

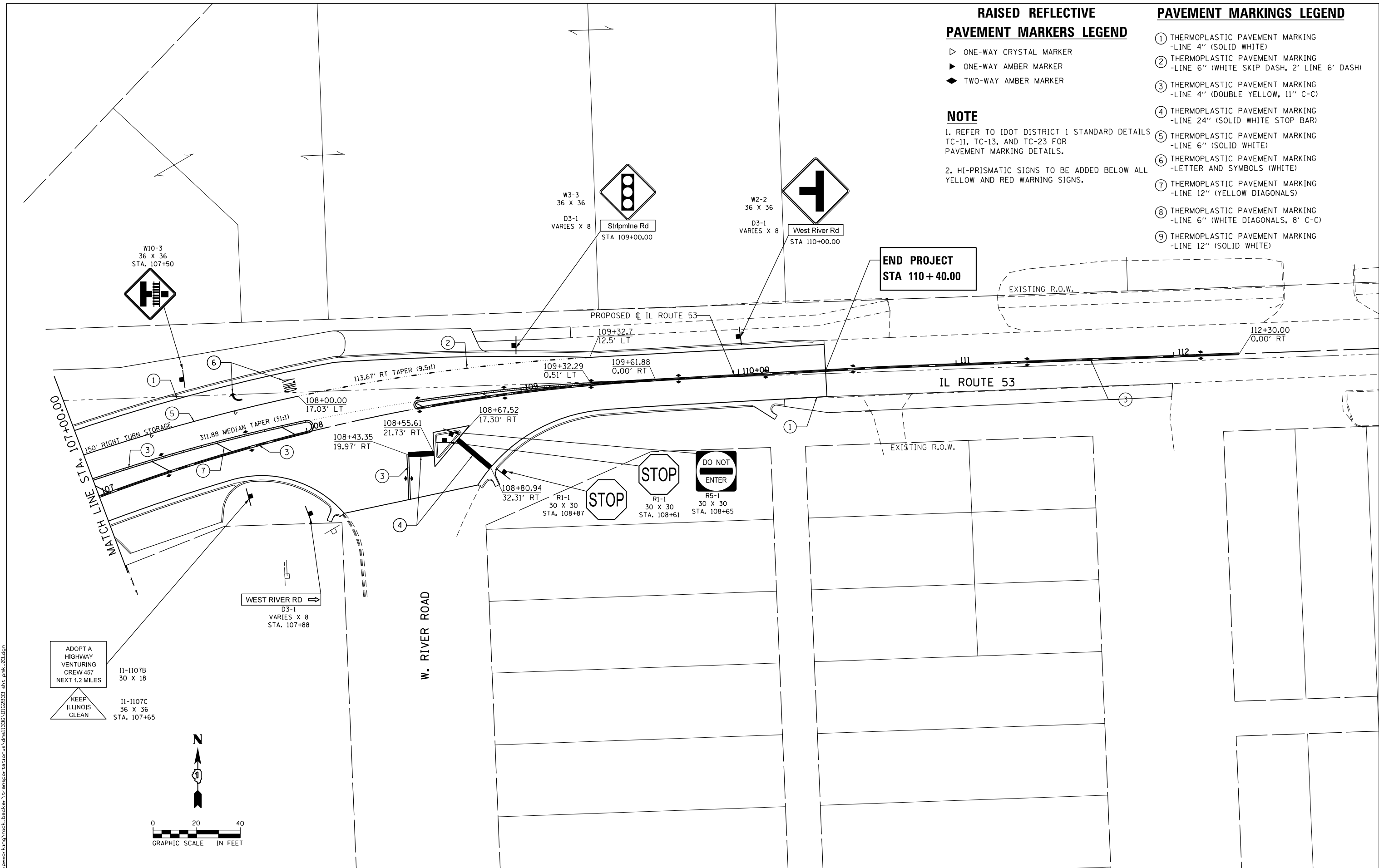
- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

**NOTE**

1. REFER TO IDOT DISTRICT 1 STANDARD DETAILS TC-11, TC-13, AND TC-23 FOR PAVEMENT MARKING DETAILS.
2. HI-PRISMATIC SIGNS TO BE ADDED BELOW ALL YELLOW AND RED WARNING SIGNS.

**PAVEMENT MARKINGS LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING -LINE 4" (SOLID WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING -LINE 6" (WHITE SKIP DASH, 2' LINE 6' DASH)
- ③ THERMOPLASTIC PAVEMENT MARKING -LINE 4" (DOUBLE YELLOW, 11" C-C)
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- ⑨ THERMOPLASTIC PAVEMENT MARKING -LINE 12" (SOLID WHITE)



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USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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CHECKED - NJB	REVISED -	
DATE - 02/05/2016	REVISED -	


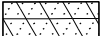





**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING AND PAVEMENT MARKING PLANS  
ILLINOIS ROUTE 53**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	73
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

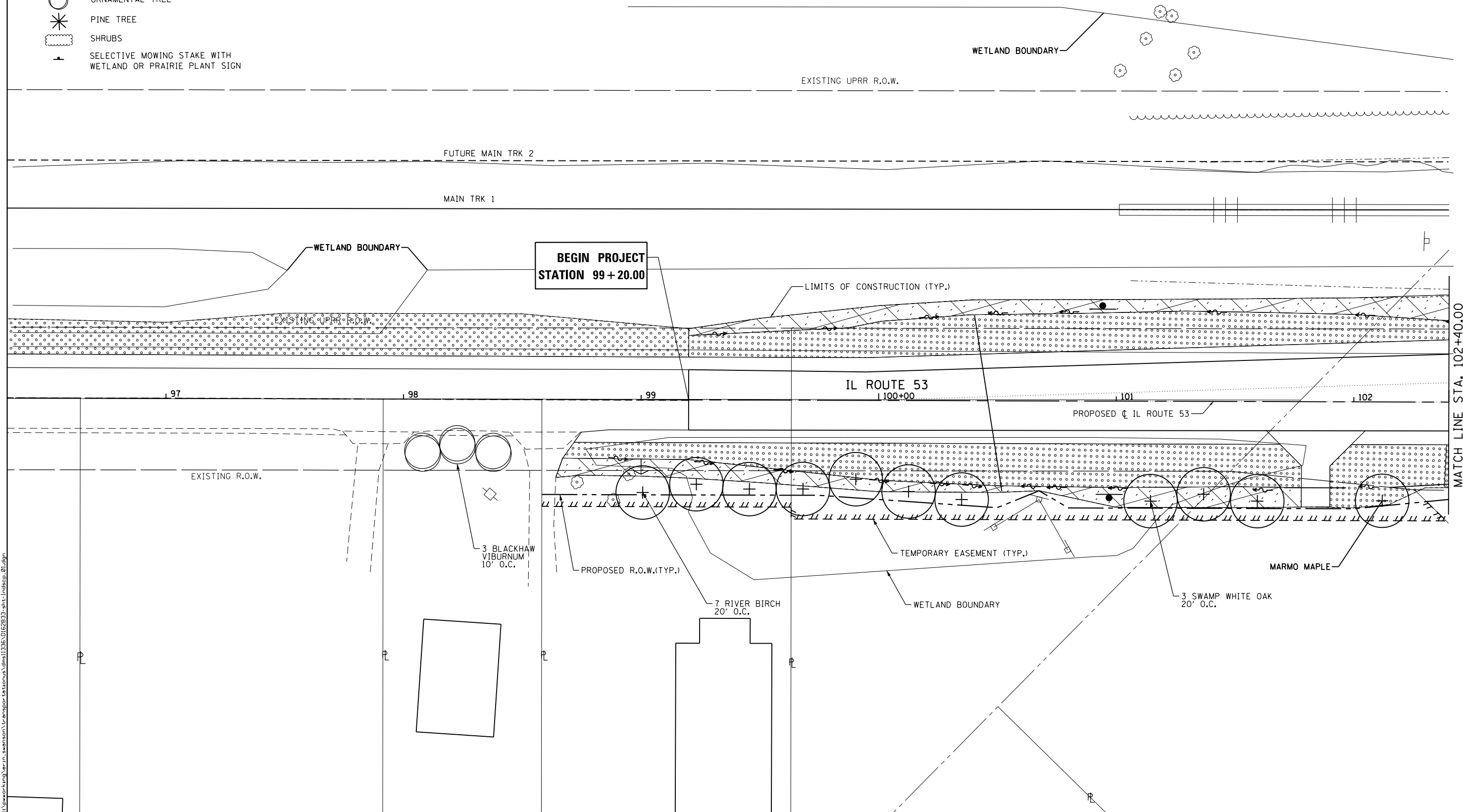
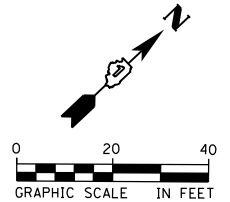
SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 107+00.00 TO STA. 112+00.00

**LANDSCAPING LEGEND**

-  SEEDING CLASS 2A  
TOPSOIL, 6"
-  SEEDING CLASS 4B (MOD)  
TOPSOIL, 6"
-  PROPOSED SHADE TREE
-  ORNAMENTAL TREE
-  PINE TREE
-  SHRUBS
-  SELECTIVE MOWING STAKE WITH  
WETLAND OR PRAIRIE PLANT SIGN

**LANDSCAPING NOTES:**

1. EROSION CONTROL BLANKET SHALL BE USED AT ALL LOCATIONS WITH SEEDING CLASS 2A. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET
2. TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
3. FINAL LANDSCAPING WILL BE PLACED EAST OF IL 53 IN STAGE 3 AND WEST OF IL 53 IN STAGE 2 & 4.



FILE NAME: c:\working\erik.swanson\transportation\11336\0162833-shr-landscp.dwg



USER NAME = Erin.Swanson	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISED -	
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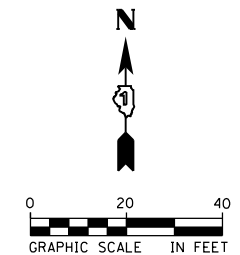
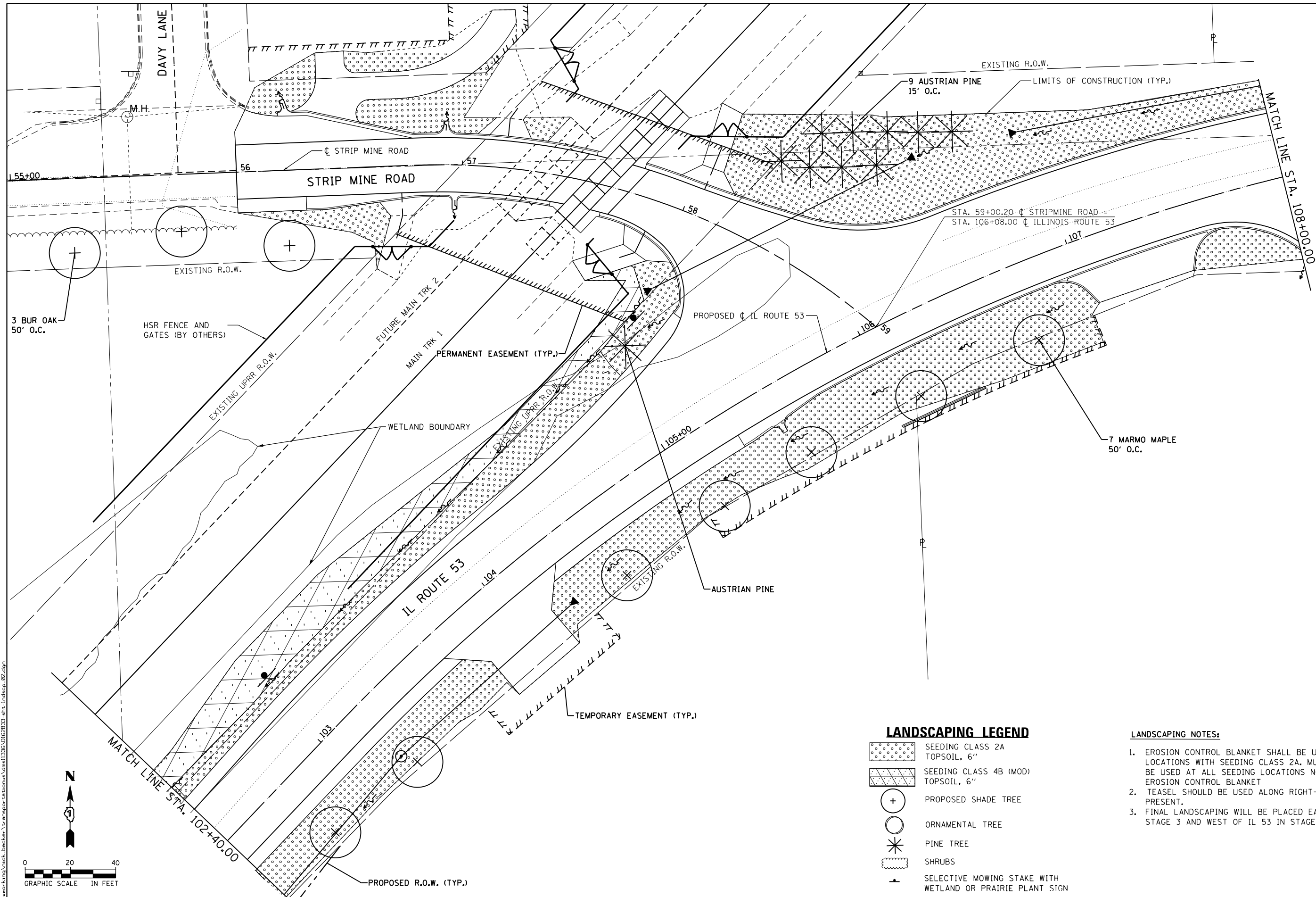
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS  
ILLINOIS ROUTE 53**








SCALE: 1" = 20'    SHEET 1 OF 3 SHEETS    STA. 99+20.00 TO STA. 102+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	74
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

MATCH LINE STA. 102+40.00



**LANDSCAPING LEGEND**

-  SEEDING CLASS 2A  
TOPSOIL, 6"
-  SEEDING CLASS 4B (MOD)  
TOPSOIL, 6"
-  PROPOSED SHADE TREE
-  ORNAMENTAL TREE
-  PINE TREE
-  SHRUBS
-  SELECTIVE MOWING STAKE WITH  
WETLAND OR PRAIRIE PLANT SIGN

**LANDSCAPING NOTES:**

1. EROSION CONTROL BLANKET SHALL BE USED AT ALL LOCATIONS WITH SEEDING CLASS 2A. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET
2. TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
3. FINAL LANDSCAPING WILL BE PLACED EAST OF IL 53 IN STAGE 3 AND WEST OF IL 53 IN STAGE 2 & 4.



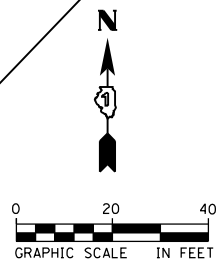
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PLOT SCALE = 40.0000 Ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS  
ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 102+40.00 TO STA. 108+00.00

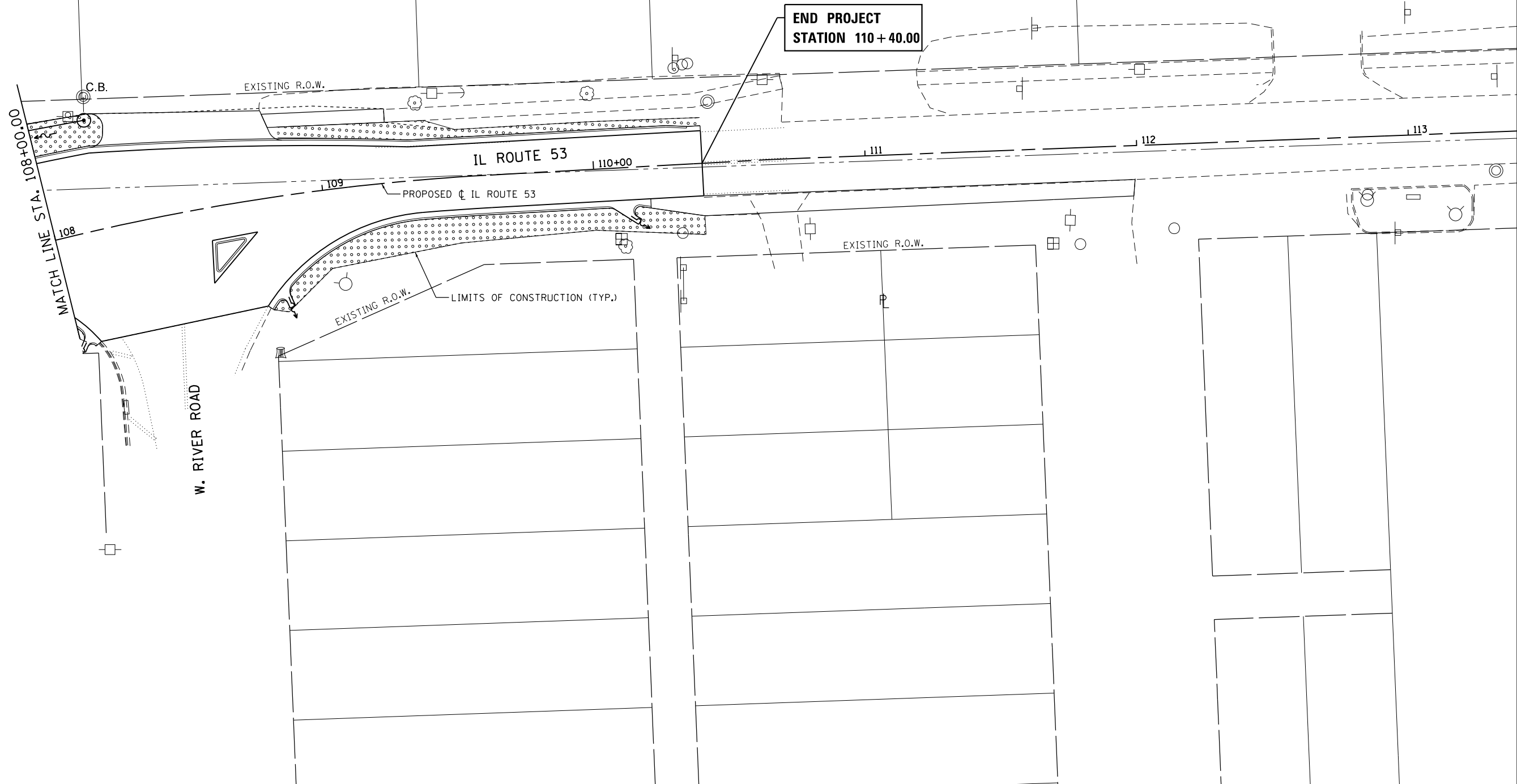
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	75
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				



**LANDSCAPING LEGEND**

	SEEDING CLASS 2A TOPSOIL, 6"
	SEEDING CLASS 4B (MOD) TOPSOIL, 6"
	PROPOSED SHADE TREE
	ORNAMENTAL TREE
	PINE TREE
	SHRUBS
	SELECTIVE MOWING STAKE WITH WETLAND OR PRAIRIE PLANT SIGN

- LANDSCAPING NOTES:**
1. EROSION CONTROL BLANKET SHALL BE USED AT ALL LOCATIONS WITH SEEDING CLASS 2A. MULCH METHOD 2 SHALL BE USED AT ALL SEEDING LOCATIONS NOT PROTECTED BY EROSION CONTROL BLANKET
  2. TEASEL SHOULD BE USED ALONG RIGHT-OF-WAY WHERE PRESENT.
  3. FINAL LANDSCAPING WILL BE PLACED EAST OF IL 53 IN STAGE 3 AND WEST OF IL 53 IN STAGE 2 & 4.



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USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

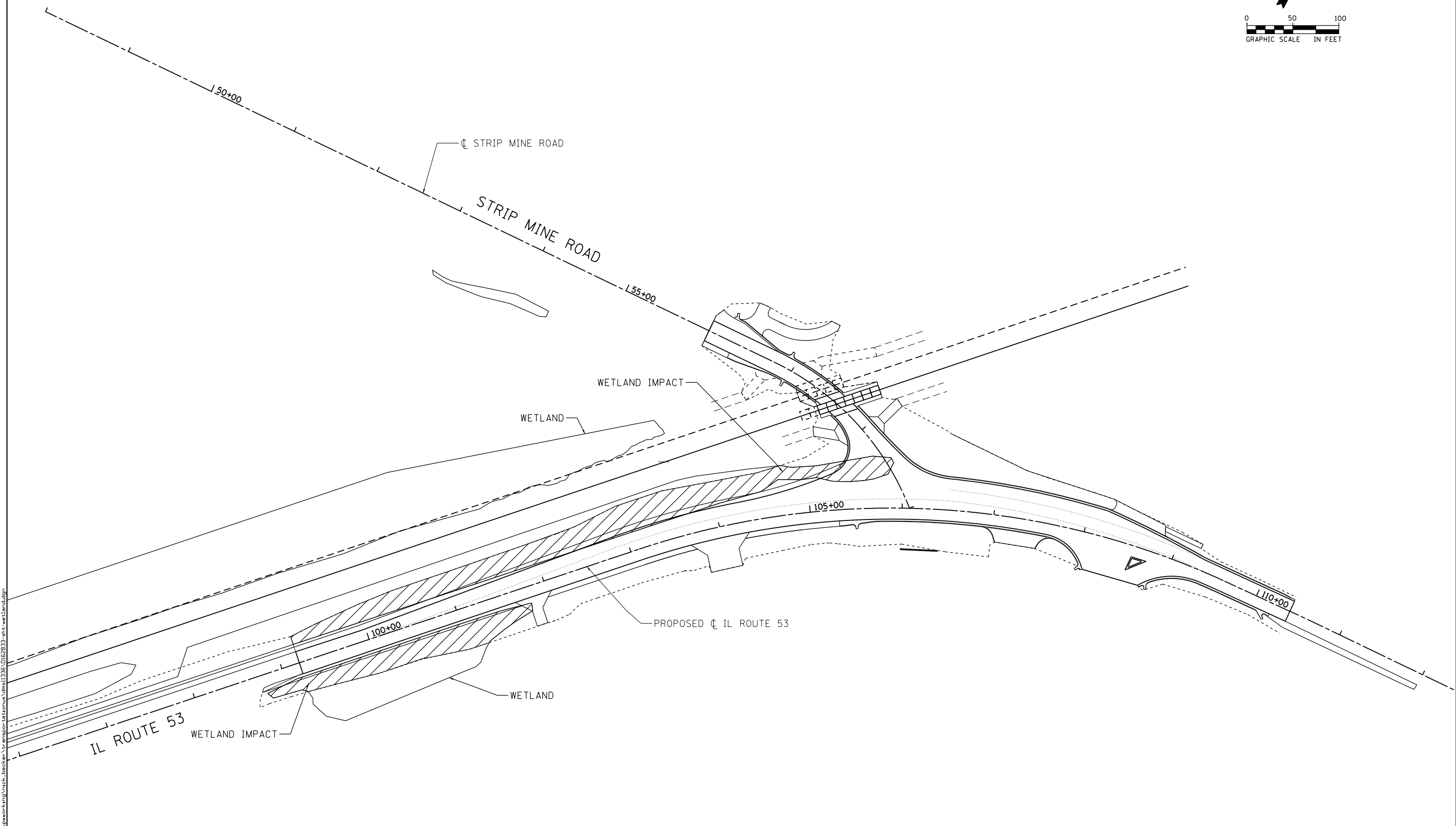
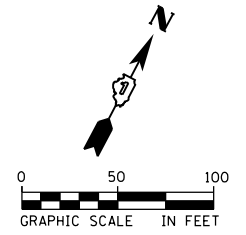
**LANDSCAPING PLANS  
ILLINOIS ROUTE 53**

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 108+00.00 TO STA. 110+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	76
			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				

**LEGEND**

 WETLAND IMPACTS



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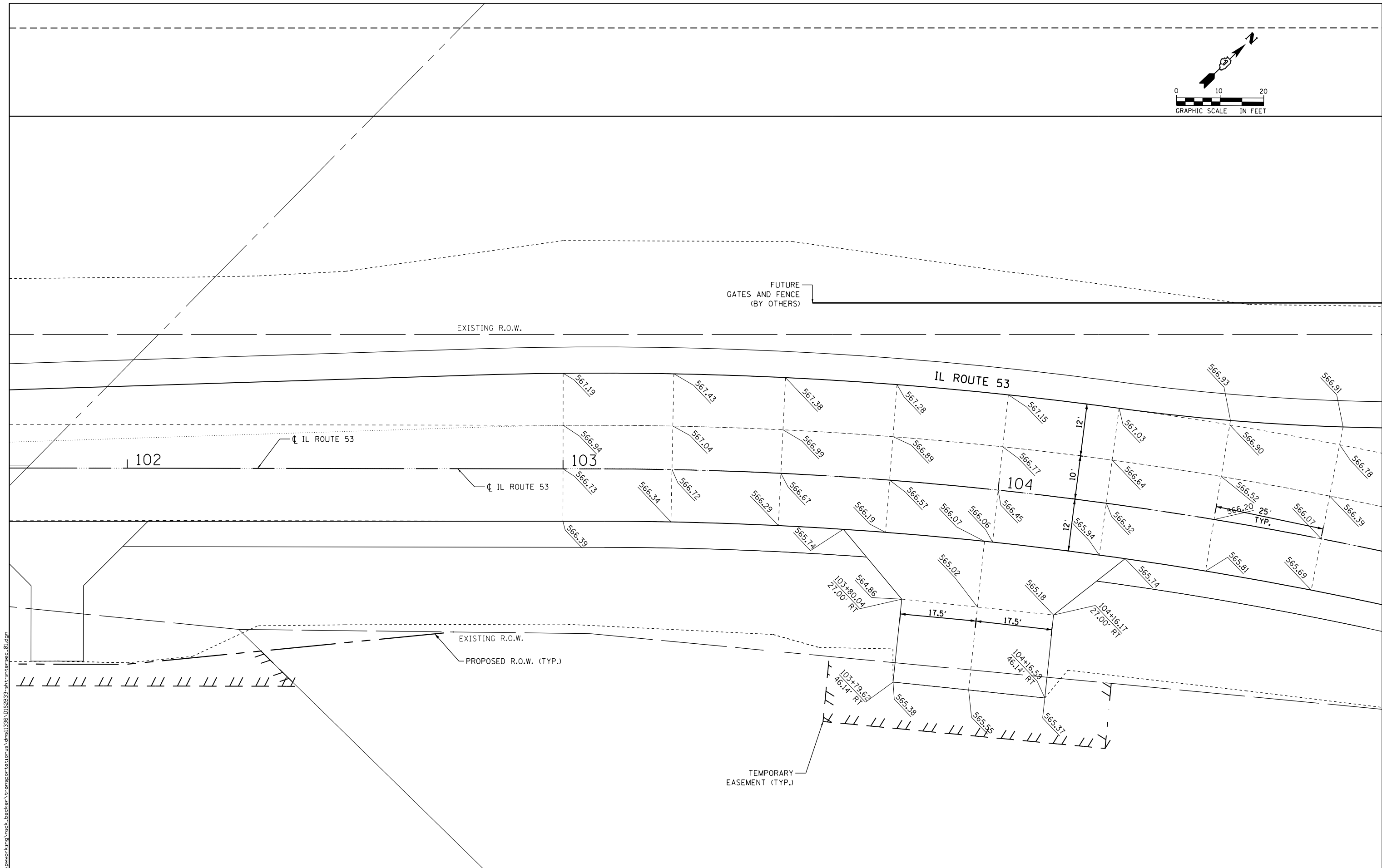
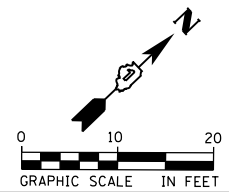
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PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WETLAND IMPACTS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	77
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



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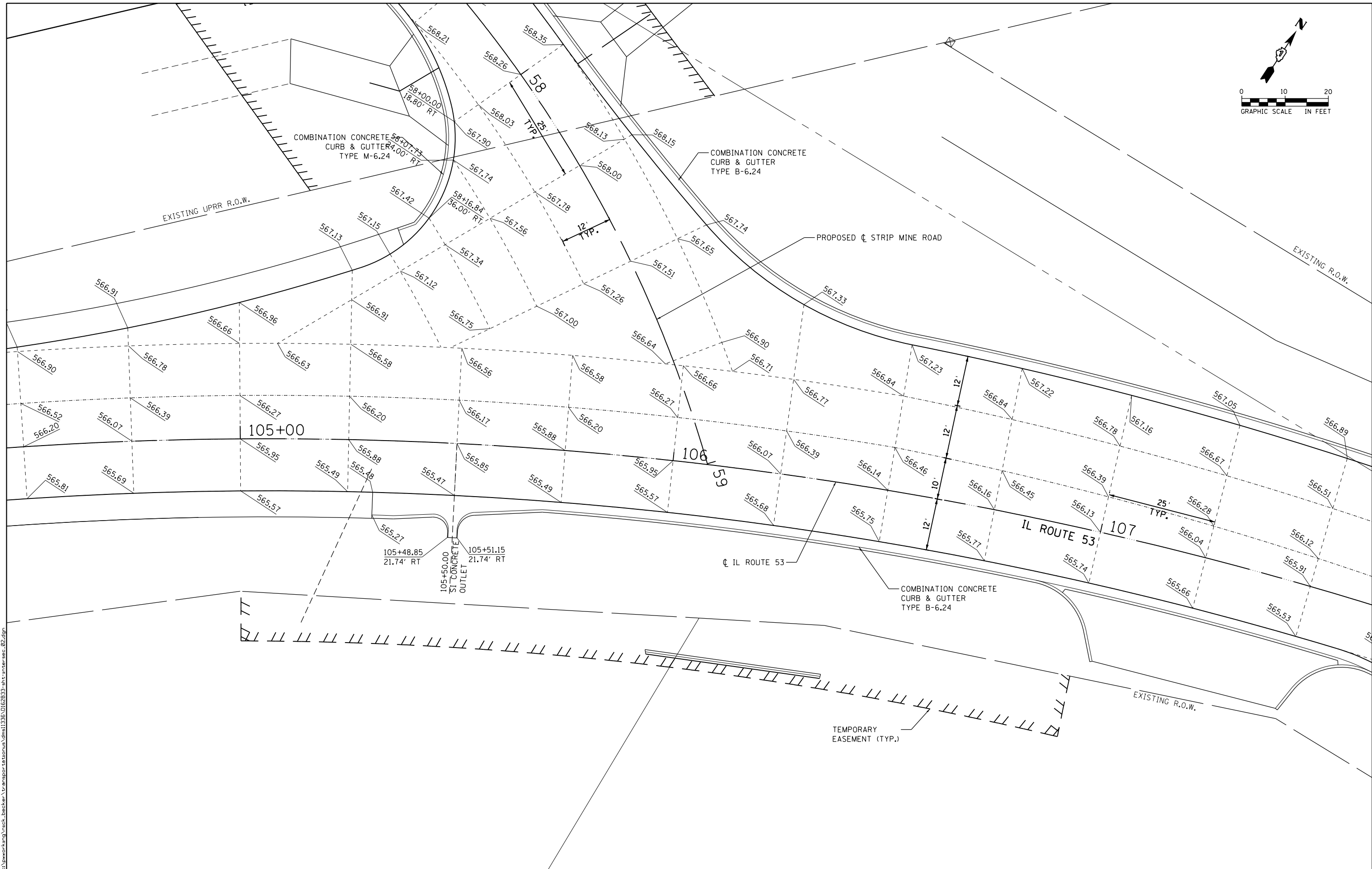
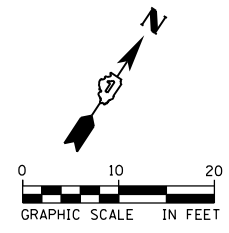


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DRAWN - BWL, EKS	REVISOR -	
PLOT SCALE = 20.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERSECTION PAVING DETAILS ILLINOIS ROUTE 53</b>		
SCALE: 1" = 10'	SHEET 1 OF 4 SHEETS	STA. 102+00.00 TO STA. 104+50.00

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 78
CONTRACT NO. 62B33				ILLINOIS FED. AID PROJECT



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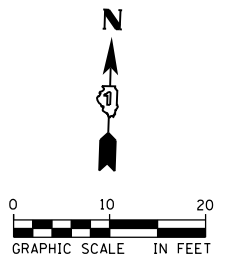
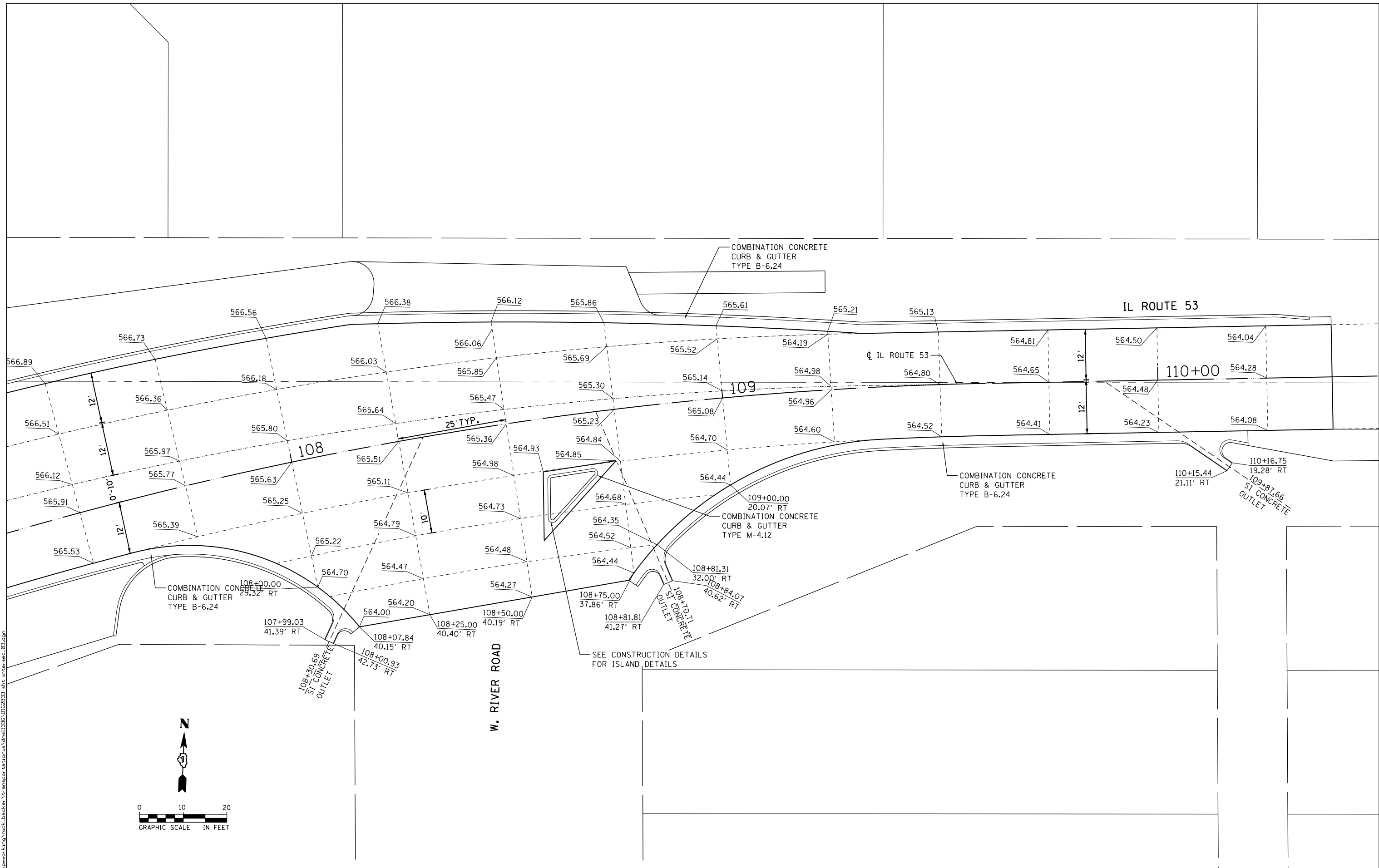


USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 20.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERSECTION PAVING DETAILS</b>		
<b>ILLINOIS ROUTE 53</b>		
SCALE: 1" = 10'	SHEET 2 OF 4 SHEETS	STA. 104+50.00 TO STA. 107+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	79
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISED -	
PLOT SCALE = 20.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

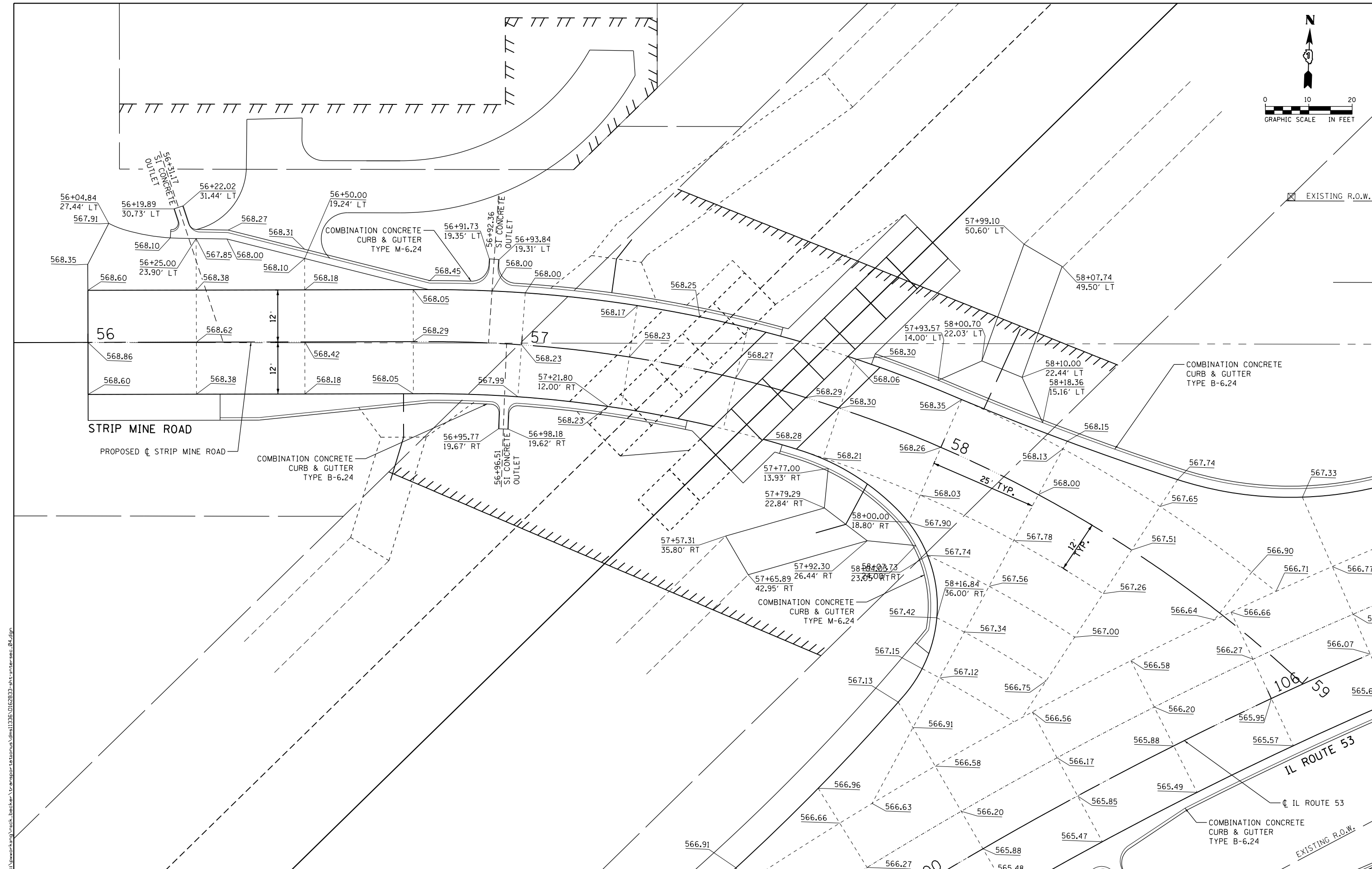
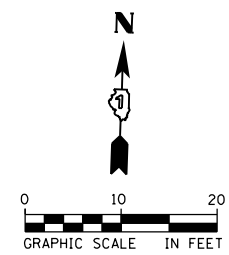
**INTERSECTION PAVING DETAILS  
ILLINOIS ROUTE 53**

SCALE: 1" = 10' SHEET 3 OF 4 SHEETS STA. 107+50.00 TO STA. 110+40.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	80
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

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	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 20.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION PAVING DETAILS  
STRIP MINE ROAD**

SCALE: 1" = 10'    SHEET 4 OF 4 SHEETS    STA. 56+00.00 TO STA. 59+00.00

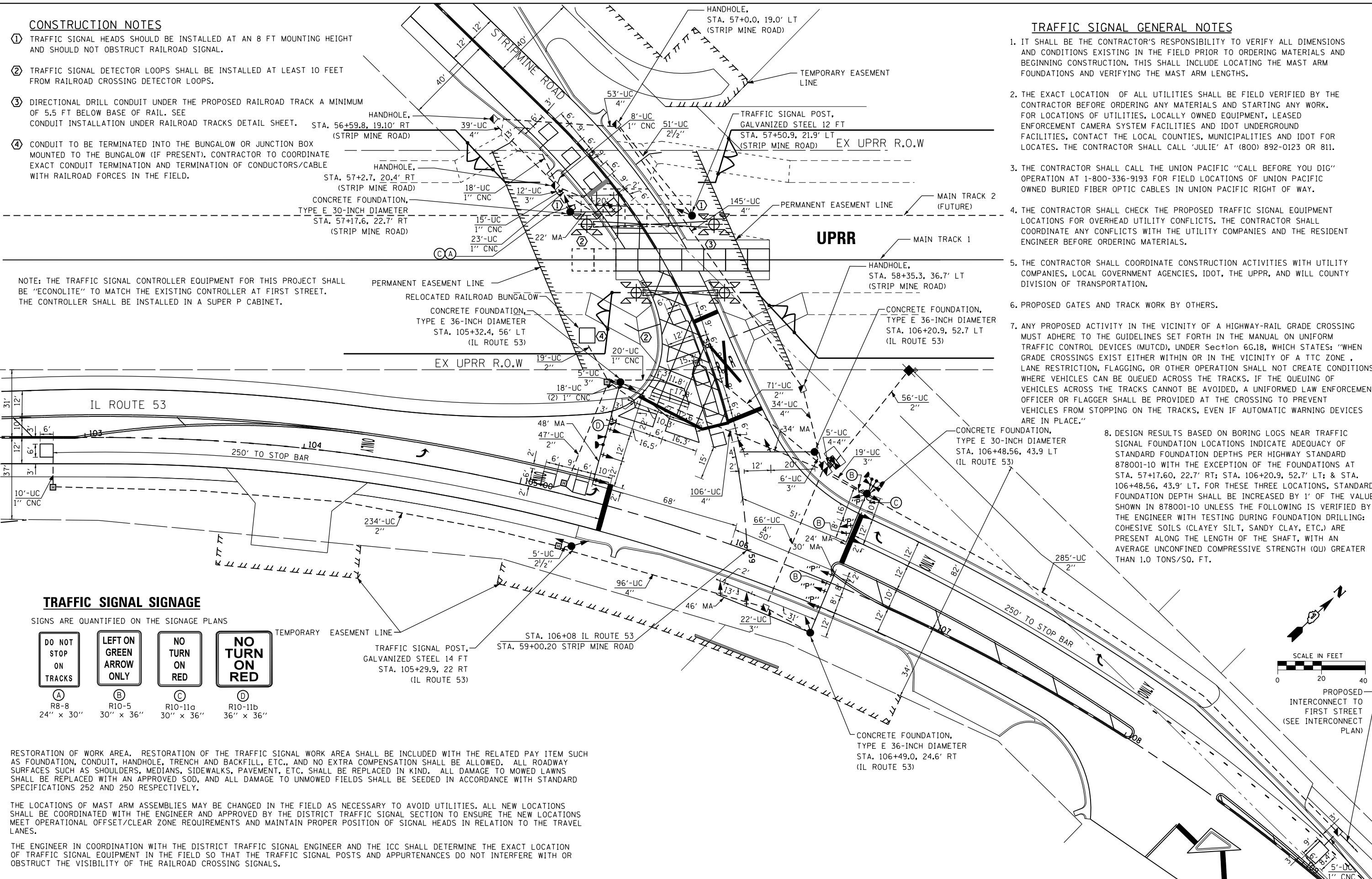
F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 81
			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				

**CONSTRUCTION NOTES**

- ① TRAFFIC SIGNAL HEADS SHOULD BE INSTALLED AT AN 8 FT MOUNTING HEIGHT AND SHOULD NOT OBSTRUCT RAILROAD SIGNAL.
- ② TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE INSTALLED AT LEAST 10 FEET FROM RAILROAD CROSSING DETECTOR LOOPS.
- ③ DIRECTIONAL DRILL CONDUIT UNDER THE PROPOSED RAILROAD TRACK A MINIMUM OF 5.5 FT BELOW BASE OF RAIL. SEE CONDUIT INSTALLATION UNDER RAILROAD TRACKS DETAIL SHEET. STA. 56+59.8, 19.10' RT (STRIP MINE ROAD)
- ④ CONDUIT TO BE TERMINATED INTO THE BUNGALOW OR JUNCTION BOX MOUNTED TO THE BUNGALOW (IF PRESENT). CONTRACTOR TO COORDINATE EXACT CONDUIT TERMINATION AND TERMINATION OF CONDUCTORS/CABLE WITH RAILROAD FORCES IN THE FIELD.

**TRAFFIC SIGNAL GENERAL NOTES**

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811.
3. THE CONTRACTOR SHALL CALL THE UNION PACIFIC "CALL BEFORE YOU DIG" OPERATION AT 1-800-336-9193 FOR FIELD LOCATIONS OF UNION PACIFIC OWNED BURIED FIBER OPTIC CABLES IN UNION PACIFIC RIGHT OF WAY.
4. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
5. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES, IDOT, THE UPRR, AND WILL COUNTY DIVISION OF TRANSPORTATION.
6. PROPOSED GATES AND TRACK WORK BY OTHERS.
7. ANY PROPOSED ACTIVITY IN THE VICINITY OF A HIGHWAY-RAIL GRADE CROSSING MUST ADHERE TO THE GUIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), UNDER SECTION 6G.18, WHICH STATES: "WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTION, FLAGGING, OR OTHER OPERATION 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."
8. DESIGN RESULTS BASED ON BORING LOGS NEAR TRAFFIC SIGNAL FOUNDATION LOCATIONS INDICATE ADEQUACY OF STANDARD FOUNDATION DEPTHS PER HIGHWAY STANDARD 878001-10 WITH THE EXCEPTION OF THE FOUNDATIONS AT STA. 57+17.60, 22.7' RT; STA. 106+20.9, 52.7' LT; & STA. 106+48.56, 43.9' LT. FOR THESE THREE LOCATIONS, STANDARD FOUNDATION DEPTH SHALL BE INCREASED BY 1' OF THE VALUE SHOWN IN 878001-10 UNLESS THE FOLLOWING IS VERIFIED BY THE ENGINEER WITH TESTING DURING FOUNDATION DRILLING: COHESIVE SOILS (CLAYEY SILT, SANDY CLAY, ETC.) ARE PRESENT ALONG THE LENGTH OF THE SHAFT, WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH (QU) GREATER THAN 1.0 TONS/SQ. FT.



NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING CONTROLLER AT FIRST STREET. THE CONTROLLER SHALL BE INSTALLED IN A SUPER P CABINET.

**TRAFFIC SIGNAL SIGNAGE**

SIGNS ARE QUANTIFIED ON THE SIGNAGE PLANS

DO NOT STOP ON TRACKS	LEFT ON GREEN ARROW ONLY	NO TURN ON RED	NO TURN ON RED
(A) R8-8 24" x 30"	(B) R10-5 30" x 36"	(C) R10-11a 30" x 36"	(D) R10-11b 36" x 36"

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE LOCATIONS OF MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. ALL NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITION OF SIGNAL HEADS IN RELATION TO THE TRAVEL LANES.

THE ENGINEER IN COORDINATION WITH THE DISTRICT TRAFFIC SIGNAL ENGINEER AND THE ICC SHALL DETERMINE THE EXACT LOCATION OF TRAFFIC SIGNAL EQUIPMENT IN THE FIELD SO THAT THE TRAFFIC SIGNAL POSTS AND APPURTENANCES DO NOT INTERFERE WITH OR OBSTRUCT THE VISIBILITY OF THE RAILROAD CROSSING SIGNALS.



USER NAME = Erin.Swanson	DESIGNED - ZGJ	REVISED -
	DRAWN - ZGJ	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

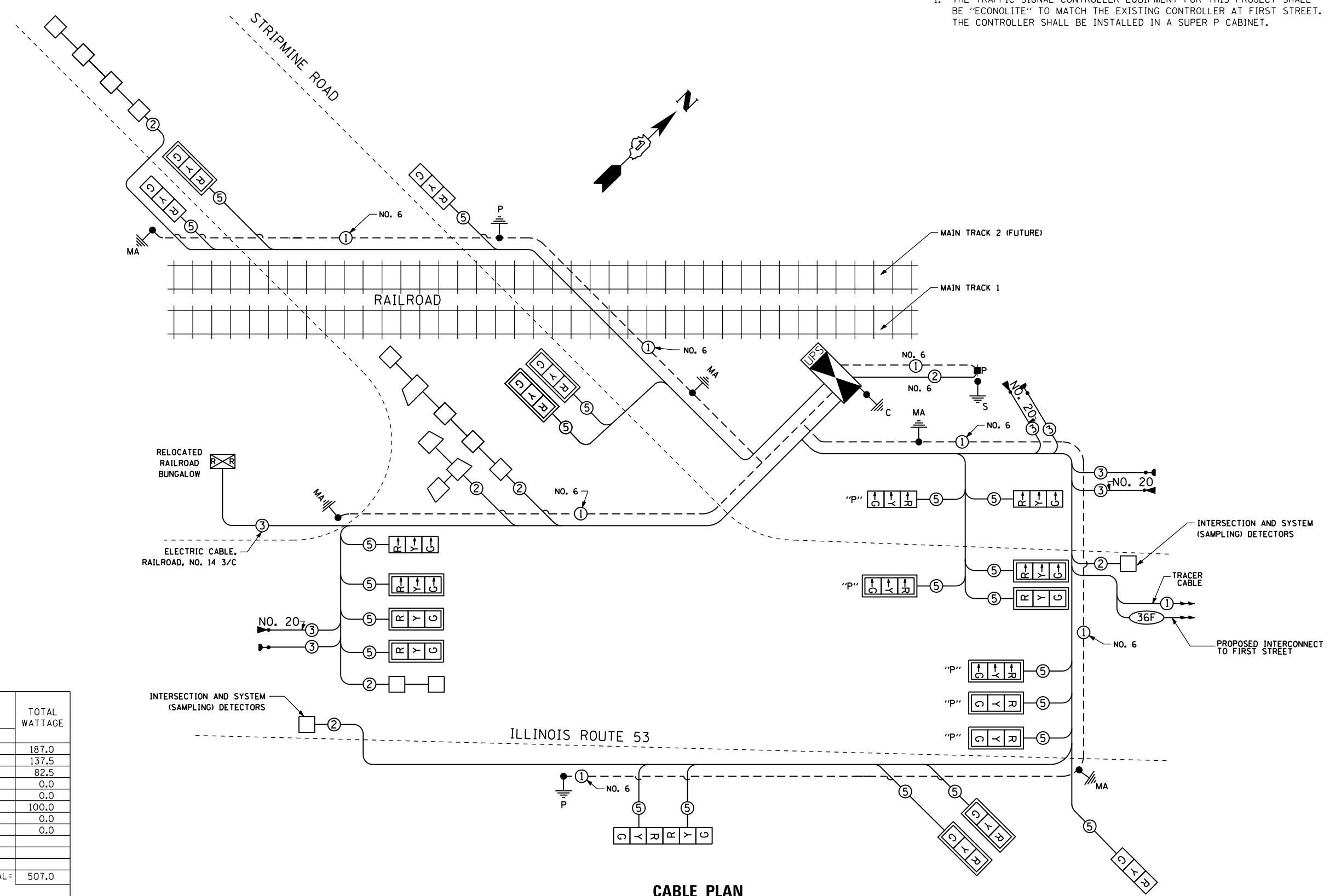
**PROPOSED TRAFFIC SIGNAL INSTALLATION PLAN  
ILLINOIS ROUTE 53 AND STRIPMINE ROAD**

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

F.A.P. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	82
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

**NOTE:**

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING CONTROLLER AT FIRST STREET. THE CONTROLLER SHALL BE INSTALLED IN A SUPER P CABINET.



**CABLE PLAN**

FILE NAME: c:\ywork\work\mick.becker\transportation\dm11336\01628233-sh-tt-02-Cable\_Plan.dgn

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND. / LED	% OPERATION		
SIGNAL (RED)	22	17	0.50	187.0	
(YELLOW)	22	25	0.25	137.5	
(GREEN)	22	15	0.25	82.5	
ARROW	0	12	0.10	0.0	
PED. SIGNAL	--	25	1.00	0.0	
CONTROLLER	1	100	1.00	100.0	
ILLUM. SIGN	--	25	0.05	0.0	
VIDEO SYSTEM	--	150	1.00	0.0	
FLASHER		25	0.50		
ENERGY COST TO:			TOTAL=	507.0	

CITY OF WILMINGTON  
1165 S. WATER STREET  
WILMINGTON, ILLINOIS 60481

ENERGY SUPPLY: CONTACT: TONY COX  
PHONE: 815-724-5010  
COMPANY: COMMONWEALTH EDISON



USER NAME = nick.becker	DESIGNED - ZGJ	REVISED -
	DRAWN - ZGJ	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN**  
ILLINOIS ROUTE 53 AND STRIPMINE ROAD

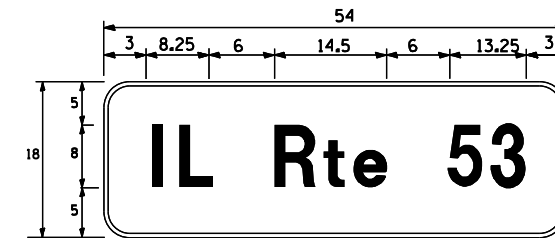
SCALE: NTS SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	83
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

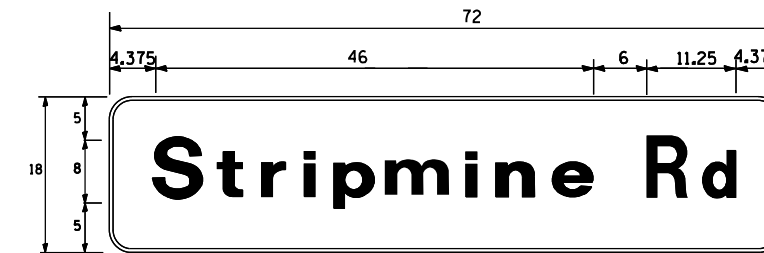
**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SQ FT	25
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	712
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	56
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	82
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	559
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	316
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,698
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,515
ELECTRIC CABLE IN CONDUIT, RAILROAD NO. 14 3C	FOOT	161
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	74
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	913
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 46 FT. AND 30 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	22
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	583
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO.20 3/C	FOOT	316
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	0.5
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1

**SIGN PANEL – TYPE 1 OR TYPE 2**



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9	1	ZZ	2

FILE NAME = c:\yearchung\erin.swanson\transportation\transparatation\11336\0162833-plt-ts-03-Street Name Sign Design and SDD.dgn



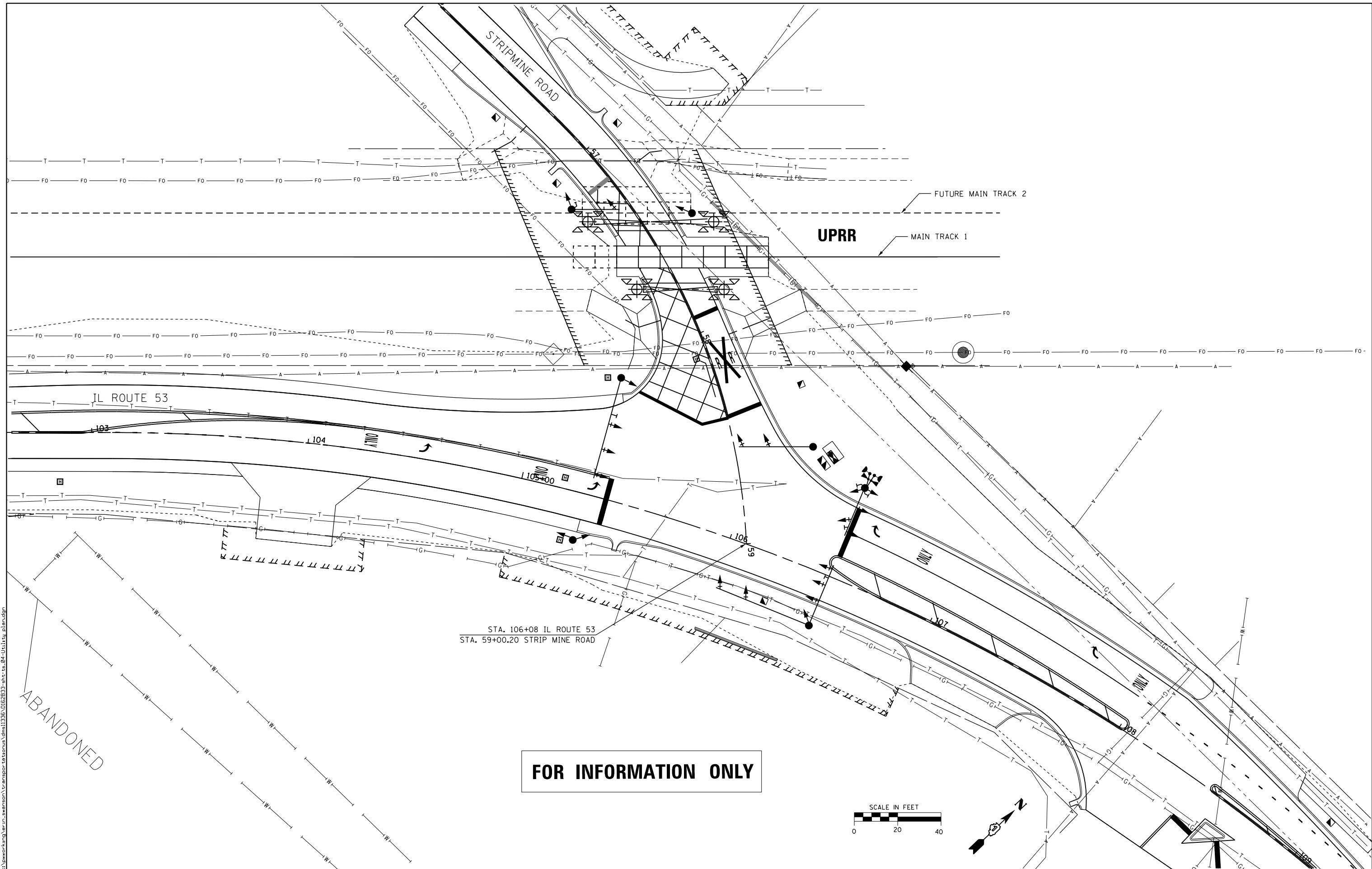
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	DRAWN - ZGJ	REVISED -
PLOT SCALE = 48.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES /MAST ARM MOUNTED STREET NAME SIGNS  
IL ROUTE 53 AND STRIPMINE ROAD

SCALE: NTS SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	84
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



FILE NAME: c:\yearching\erin.swanson\transportation\11336\0162833-sh-t-ts-04-Utility plan.dgn



USER NAME = Erin.Swanson	DESIGNED - ZGJ	REVISED -
	DRAWN - ZGJ	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>UTILITY PLAN</b>	
<b>ILLINOIS ROUTE 53 AND STRIPMINE ROAD</b>	
SCALE: 1" = 20'	SHEET 4 OF 9 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	85
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

# SEQUENCE OF OPERATION

					FLASH														
MOVEMENT																			
PHASE		2 + 5			2 + 6			4											
INTERVAL		1	2A	2B	3	4A	4B	5A	5B	6	7A	7B	7C	7D	8A	8B	8C	8D	
CHANGE TO		2 + 6			4			2 + 5			2 + 5				2 + 6				
ILLINOIS ROUTE 53 FAR LEFT, END AND CENTER MAST ARM AND NEAR THROUGH SIGNALS	S/B	R	R	R	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS	S/B																		
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS	N/B																		
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS	N/B	G	G	G	G	Y	R	G	G	R	R	R	R	R	R	R	R	R	R
STRIP MINE ROAD (PRE-SIGNAL) ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	G	Y	R	R	R	Y	R	R	R	R
STRIP MINE ROAD (EAST OF TRACKS) ALL SIGNALS (NEAR AND FAR SIDE OF INTERSECTION)	E/B	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R

PHASES 2 + 6 SHALL BE PLACED ON RECALL.

FILE NAME = c:\ywork\hwy\mck.becker\transportation\dm1135\1162823-ah-t-05-Sequence of Operation.dgn



USER NAME = nick.becker	DESIGNED - MJL	REVISED -
	DRAWN - MJL	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - ZGJ	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL SEQUENCE OF OPERATION  
ILLINOIS ROUTE 53 AND STRIPMINE ROAD**

SCALE: NTS    SHEET 5 OF 9 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	86
			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				

# EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

	1		1		3		3		3		6				6		PREEMPTOR 3	PREEMPTOR 4	PREEMPTOR 5	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	2	3	4	CLEAR TO NORMAL SEQUENCE	
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	<sup>3</sup> OR <sub>4</sub>	1E	2	1G	3	1J	4	1L	1M	1N	<sup>2</sup> OR <sub>3</sub>	1Q	4					
ILLINOIS ROUTE 53 FAR LEFT, END AND CENTER MAST ARM AND NEAR THROUGH SIGNALS	S/B	R	R	R	Y	R	G	G	Y	R	R	R	R	R	R	R	G	R	◇	
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS	S/B	<u>R</u>	<u>R</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>Y</u>	<u>R</u>	<u>Y</u>	<u>R</u>	<u>R</u>	<u>G</u>	<u>R</u>	◇
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS	N/B	<u>G</u>	<u>Y</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>G</u>	<u>R</u>	<u>R</u>	◇	
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS	N/B	G	Y	R	G	G	Y	R	Y	R	R	R	R	R	R	G	R	R	◇	
STRIP MINE ROAD (PRE-SIGNAL) ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	G	G	R	R	G	◇
STRIP MINE ROAD (EAST OF TRACKS) ALL SIGNALS (NEAR AND FAR SIDE OF INTERSECTION)	E/B	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	R	R	G	◇

◇ EMERGENCY VEHICLE PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, OR 4 IS TERMINATED.

FILE NAME = c:\working\mick.becker\transportation\dm1135\1162833-ah-t-06-EP-sequence.dgn

# RAILROAD PREEMPTION SEQUENCE OF OPERATION

							PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 2							
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	3	6														
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER							2	3	4								
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	2	1M	2	3	4	5		
ILLINOIS ROUTE 53 FAR LEFT END AND CENTER MAST ARM AND NEAR THROUGH SIGNALS	S/B R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	G	Δ
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS	S/B R	R	Y	R	Y	R	R	R	Y	R	R	R	R	R	R	R	Δ
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS	N/B Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	Δ
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS	N/B Y	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	G	Δ
STRIP MINE ROAD (PRE-SIGNAL) ALL SIGNALS	E/B R	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	Δ
STRIP MINE ROAD (EAST OF TRACKS) ALL SIGNALS (NEAR AND FAR SIDE OF INTERSECTION)	E/B R	R	R	R	G	G	R	R	R	R	G	G	G	Y	R	R	Δ
HOLD																	

Δ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

FILE NAME : c:\ywork\hug\nick.becker\transportation\dm1135\1162833-ah-t-07-RR-Sequence of Operation.dgn



USER NAME = nick.becker	DESIGNED - MRF	REVISED -
	DRAWN - MRF	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

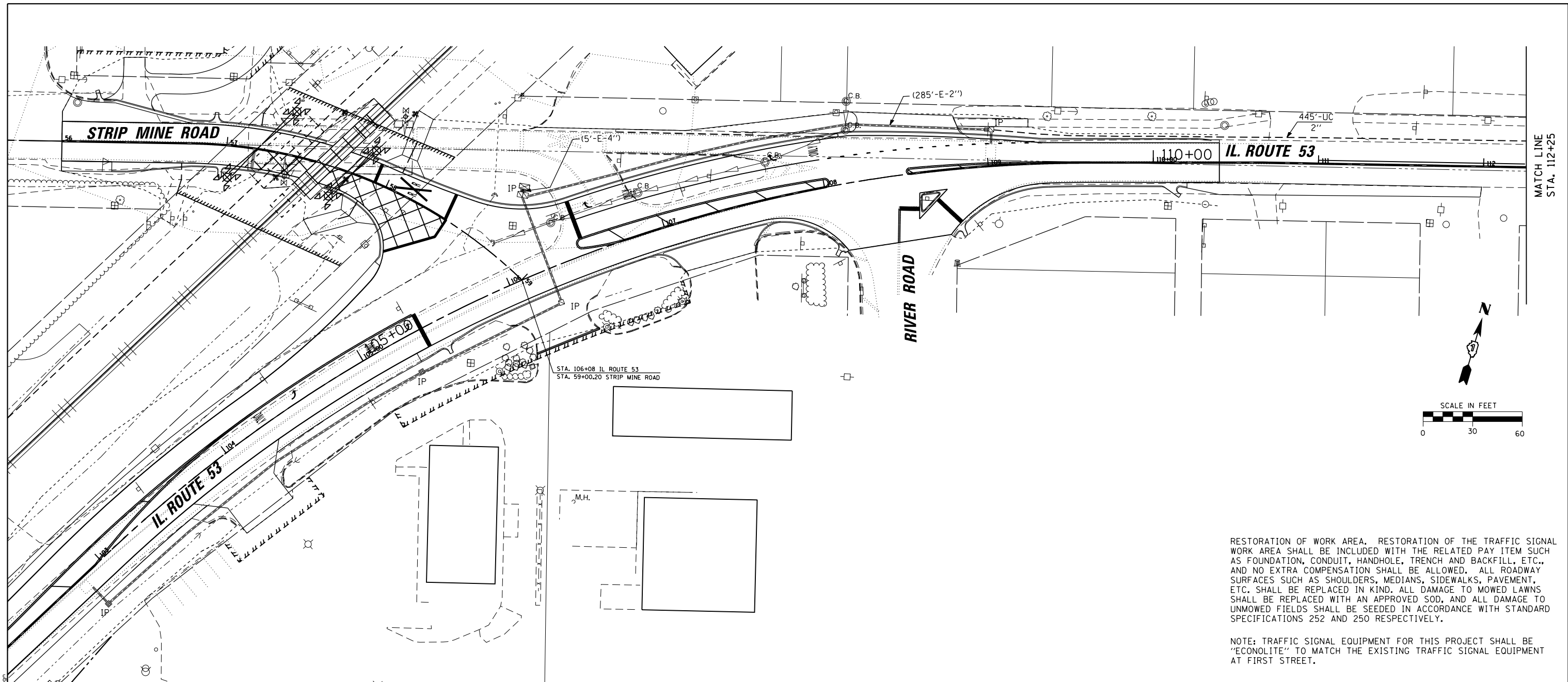
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAILROAD PREEMPTION SEQUENCE OF OPERATION  
ILLINOIS ROUTE 53 AND STRIPMINE ROAD**

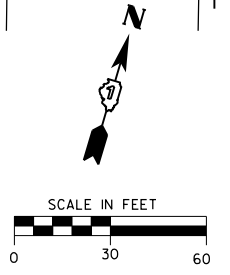
SCALE: NTS      SHEET 7 OF 9 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	88
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



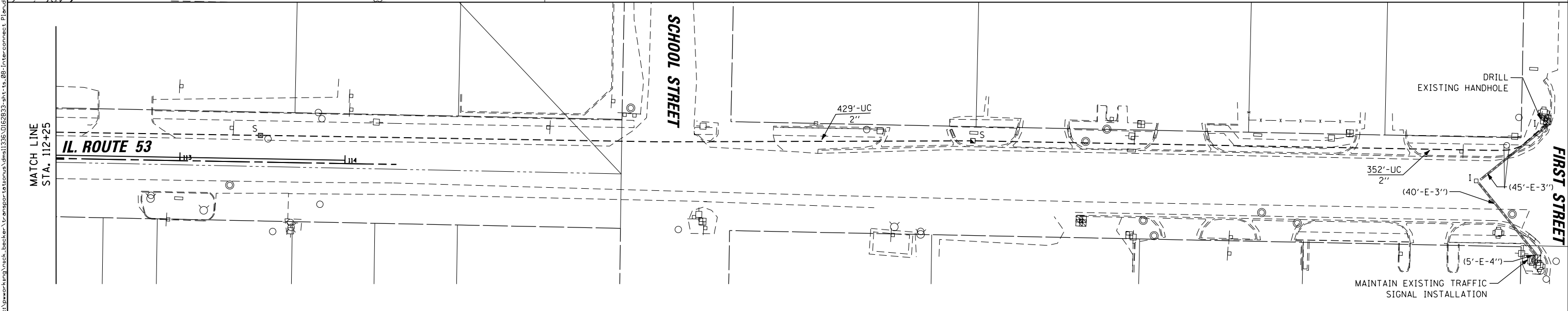


MATCH LINE  
STA. 112+25



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE: TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING TRAFFIC SIGNAL EQUIPMENT AT FIRST STREET.



MATCH LINE  
STA. 112+25

MAINTAIN EXISTING TRAFFIC SIGNAL INSTALLATION



USER NAME - nick.becker	DESIGNED - ZGJ	REVISED -
DRAWN - ZGJ	REVISED -	
PLOT SCALE - 60.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE - 3/23/2016	DATE - 02/05/2016	REVISED -

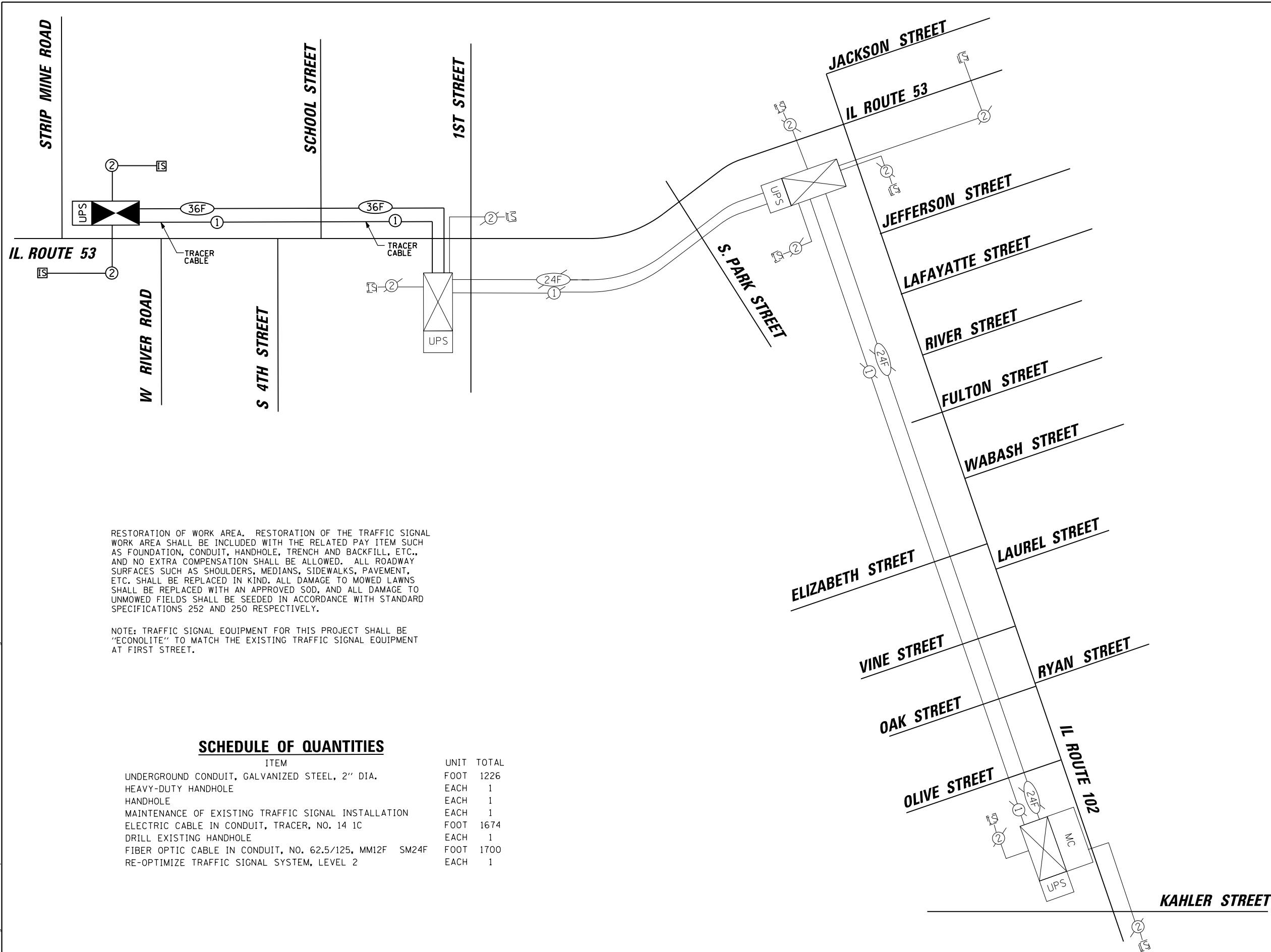
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN  
IL ROUTE 53, STRIPMINE ROAD TO FIRST STREET

SCALE: 1" = 30' SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	89
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

FILE NAME - c:\ywork\working\nick.becker\transportation\dm11335\01628293-ah-tt-08-Interconnect\_Plan.dwg



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE: TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING TRAFFIC SIGNAL EQUIPMENT AT FIRST STREET.

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1226
HEAVY-DUTY HANDHOLE	EACH	1
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1674
DRILL EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1700
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, LEVEL 2	EACH	1

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USER NAME = nick.becker	DESIGNED - ZGJ	REVISED -
PLOT SCALE = 40.0000 Ft / in.	DRAWN - ZGJ	REVISED -
PLOT DATE = 3/23/2016	CHECKED - MJL	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC  
IL ROUTE 53, STRIPMINE ROAD TO IL RTE 102

SCALE: NTS SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	90
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

## RAILROAD SYMBOLS

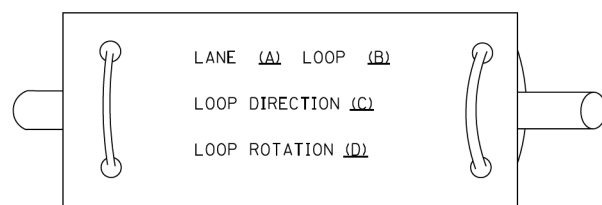
	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

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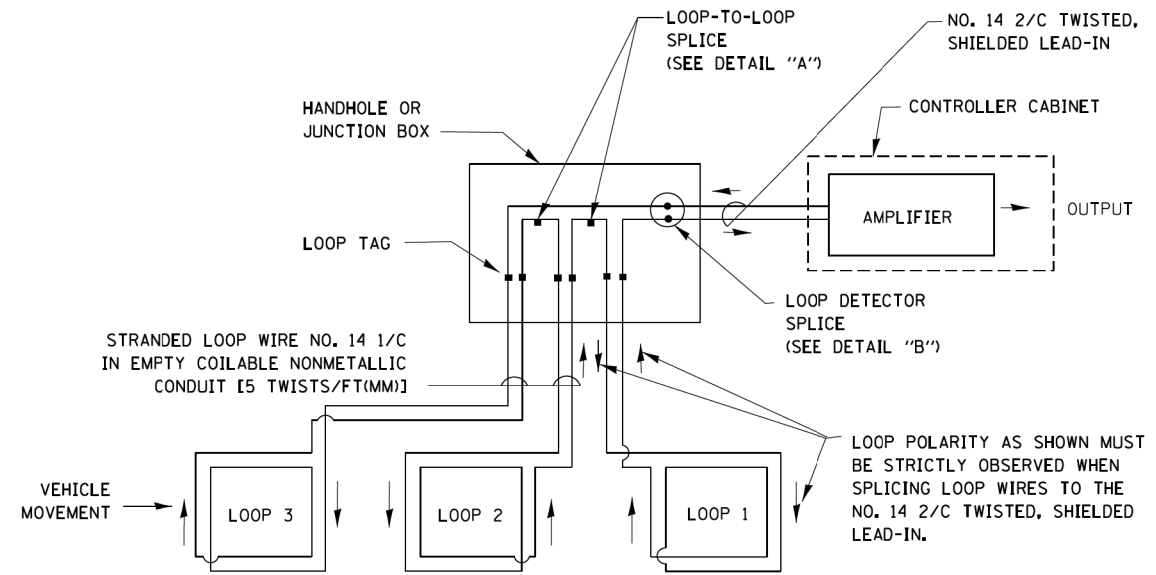
**LOOP DETECTOR NOTES**

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

**LOOP LEAD-IN CABLE TAG**

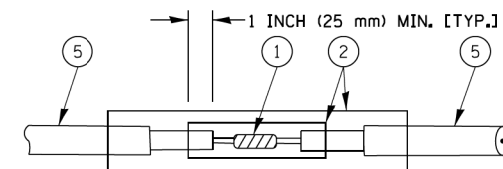


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

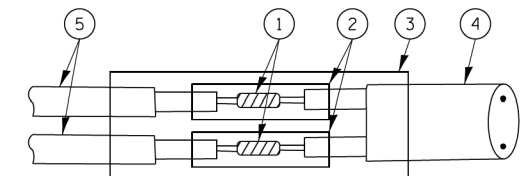


**DETECTOR LOOP WIRING SCHEMATIC**

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

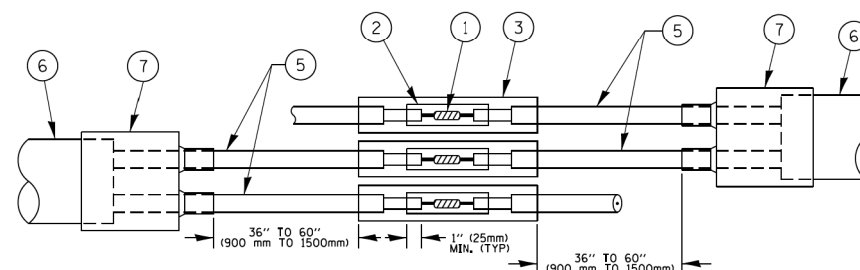


DETAIL "A"  
LOOP-TO-LOOP SPLICE

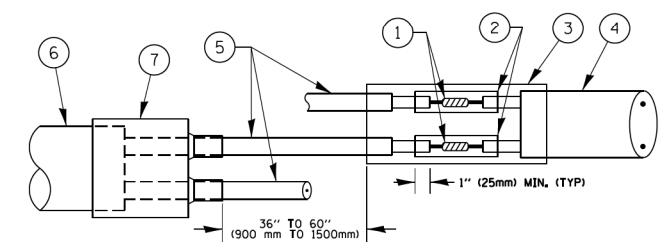


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

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

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USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
PLOT SCALE = 50.0000' / 1"	DRAWN - BCK	REVISED -
PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -
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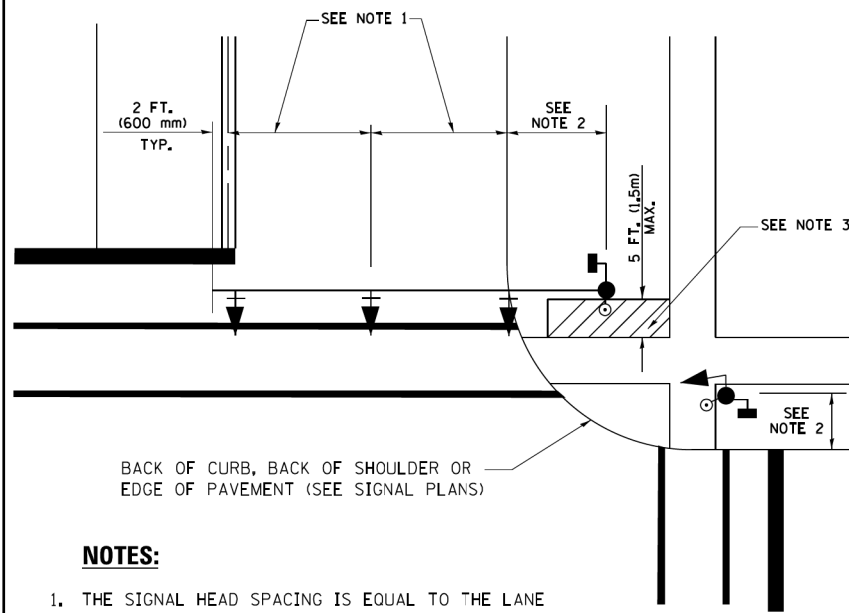
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 92
TS-05		CONTRACT NO. 62B33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

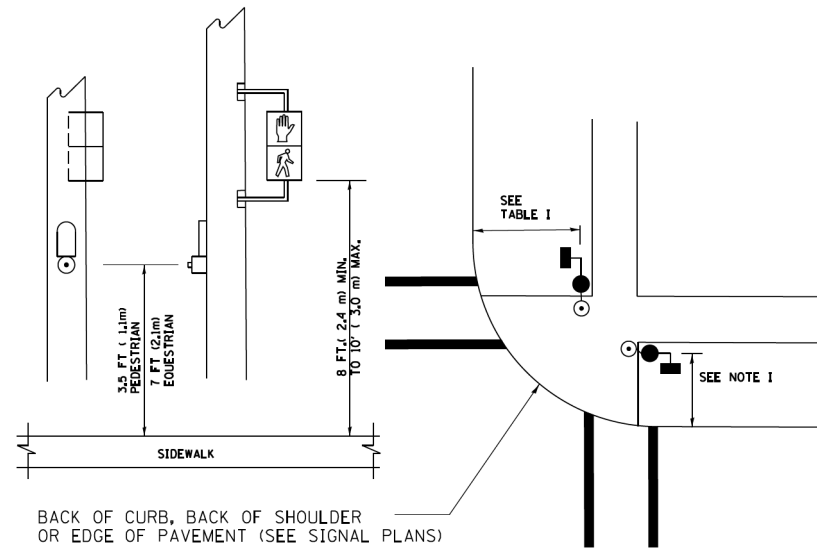
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

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

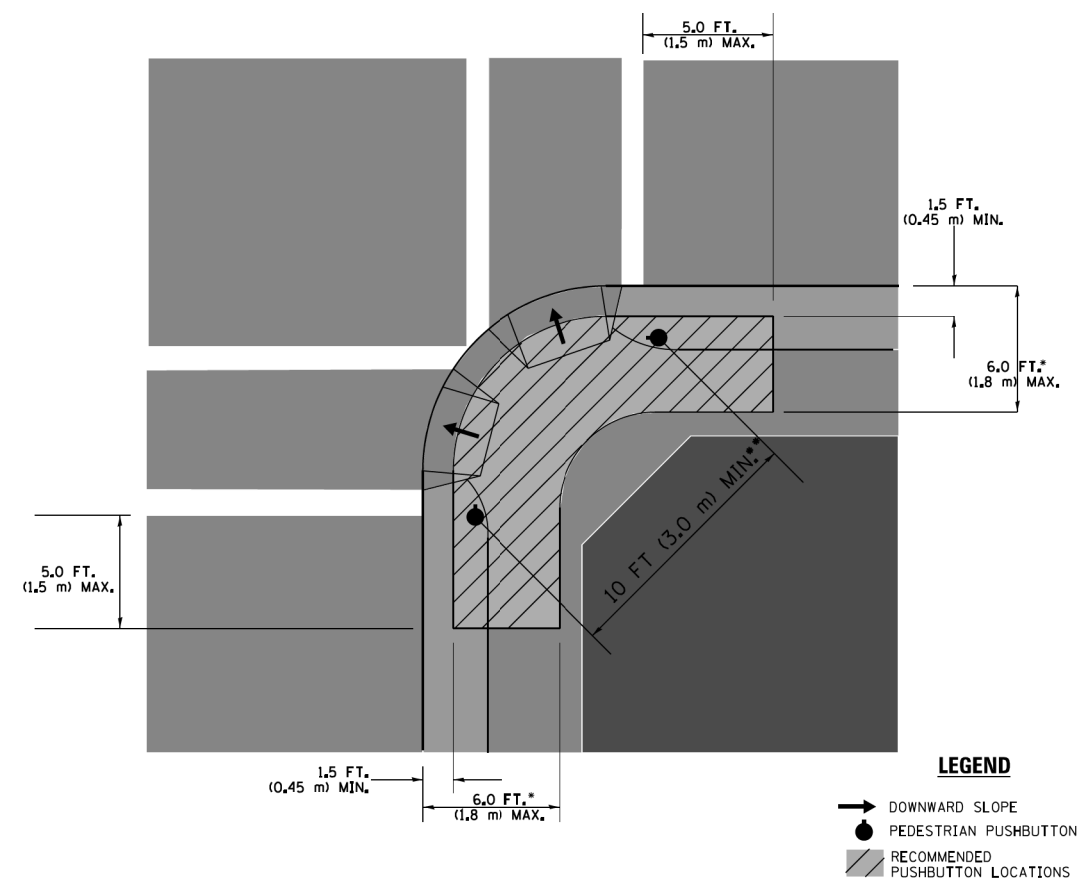
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



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

**NOTES:**

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

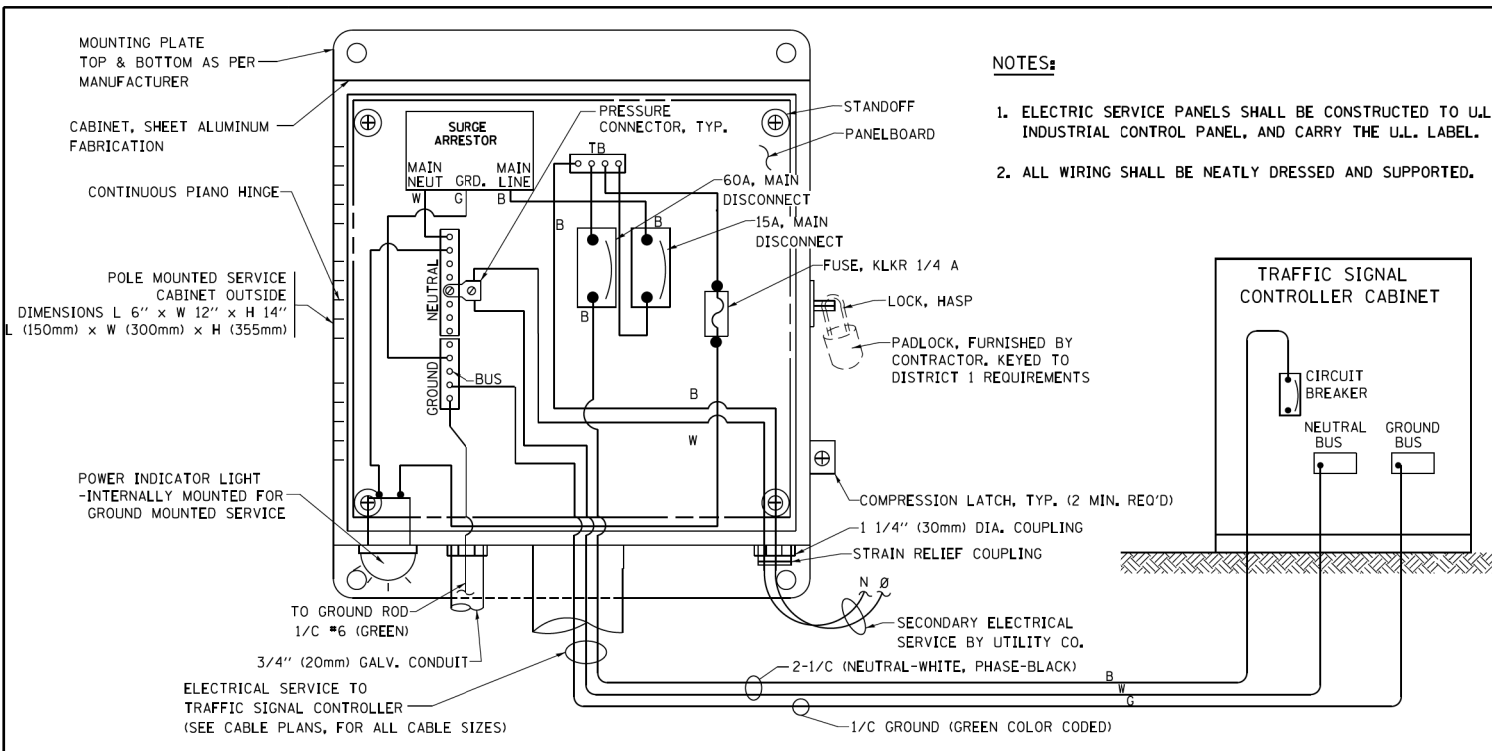
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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

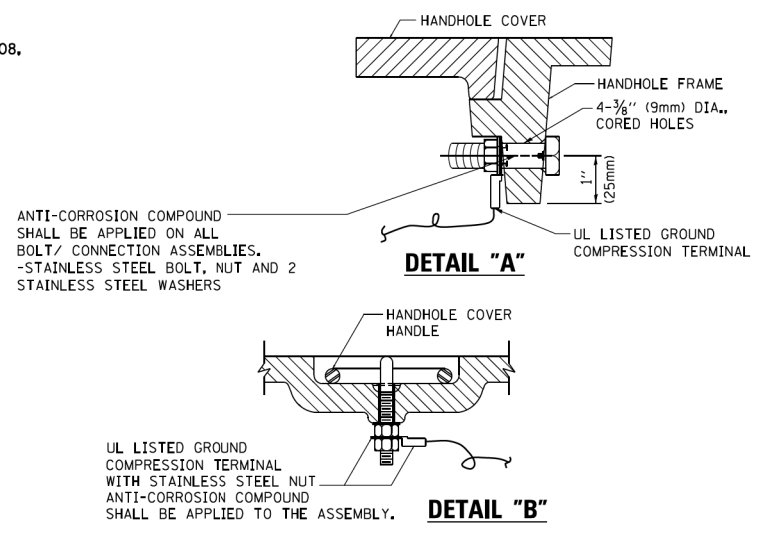
**NOTES:**

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

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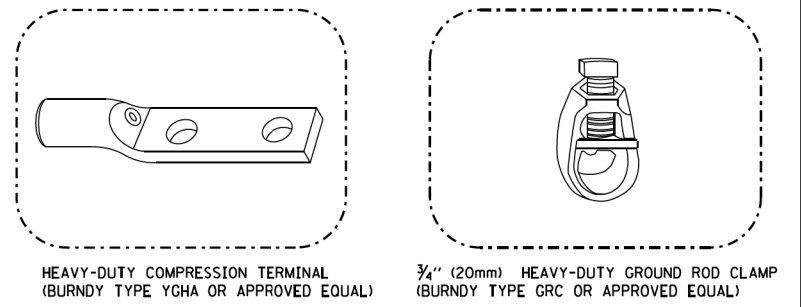
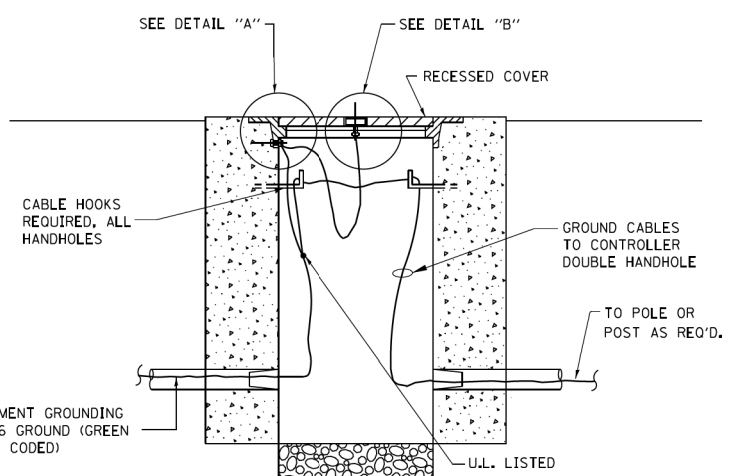


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



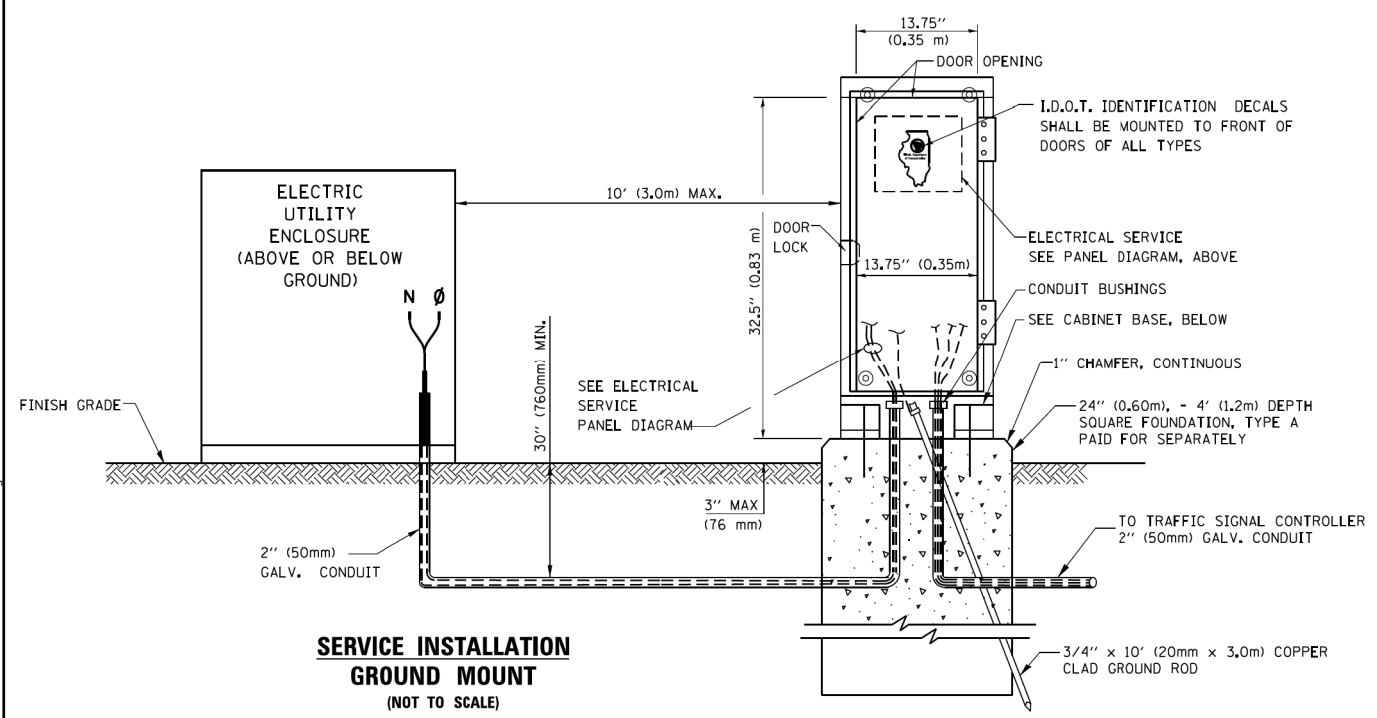
**NOTES:**  
**GROUNDING SYSTEM**

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

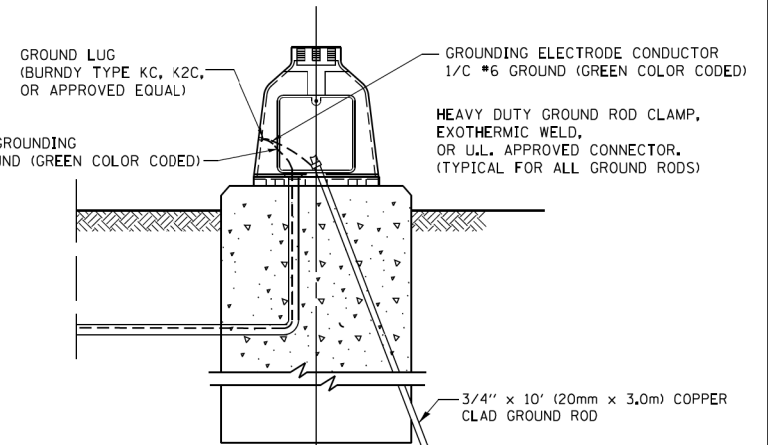
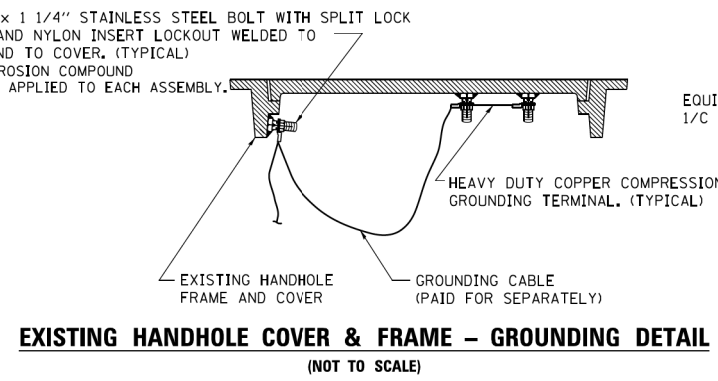


**NOTES:**

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

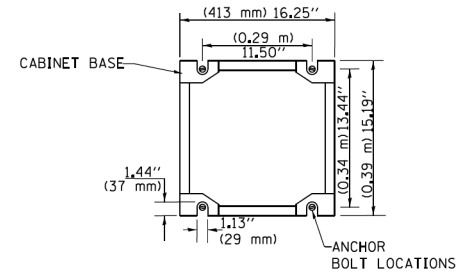


**HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
 (NOT TO SCALE)



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

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



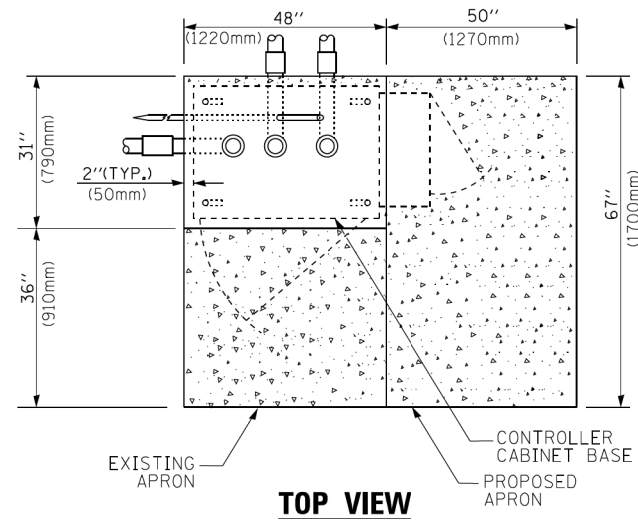
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DATE = 1/13/2014	PLOT SCALE = 50.0000' / 1"	DRAWN - BCK	REVISED -
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		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

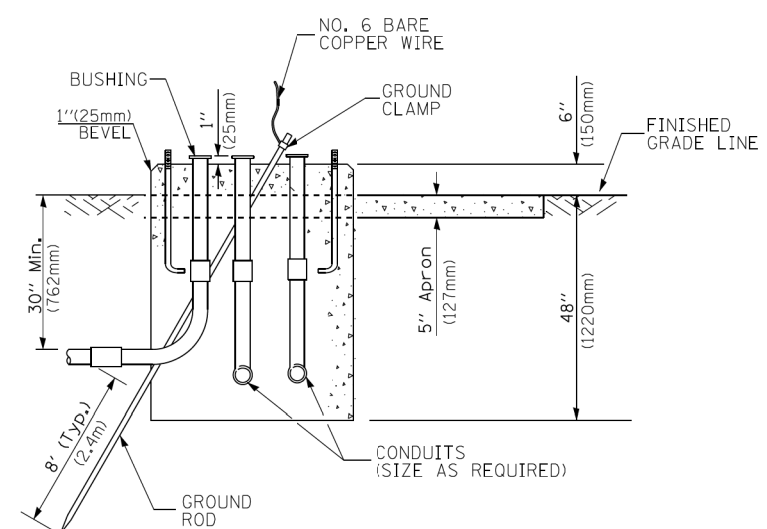
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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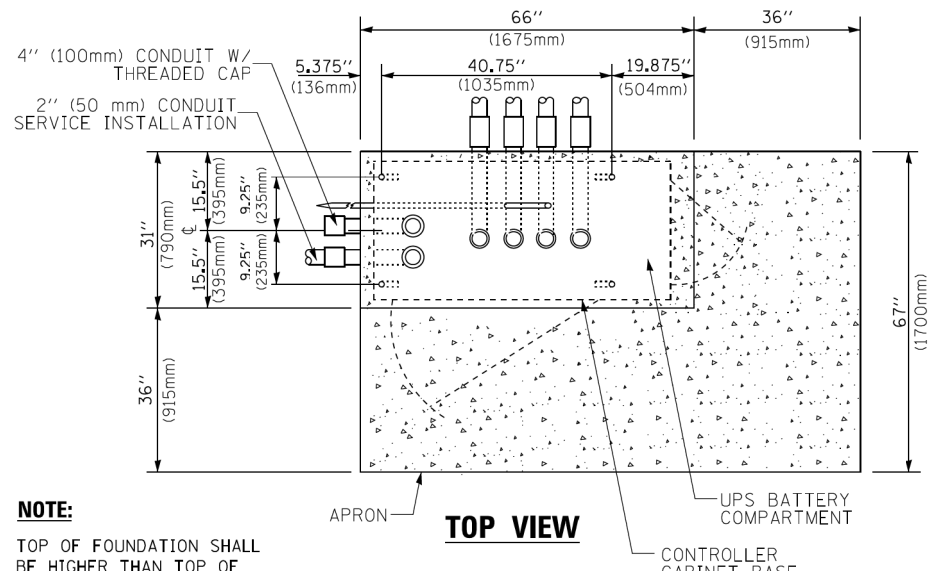
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TS-05		CONTRACT NO. 62B33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TOP VIEW**

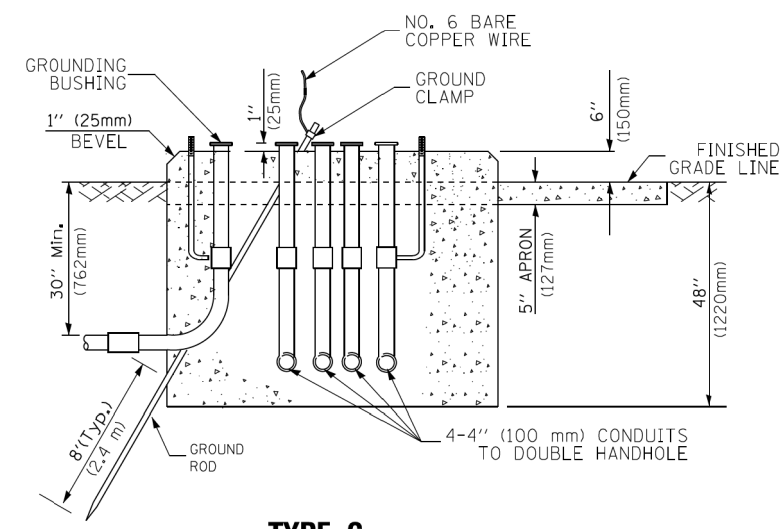


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

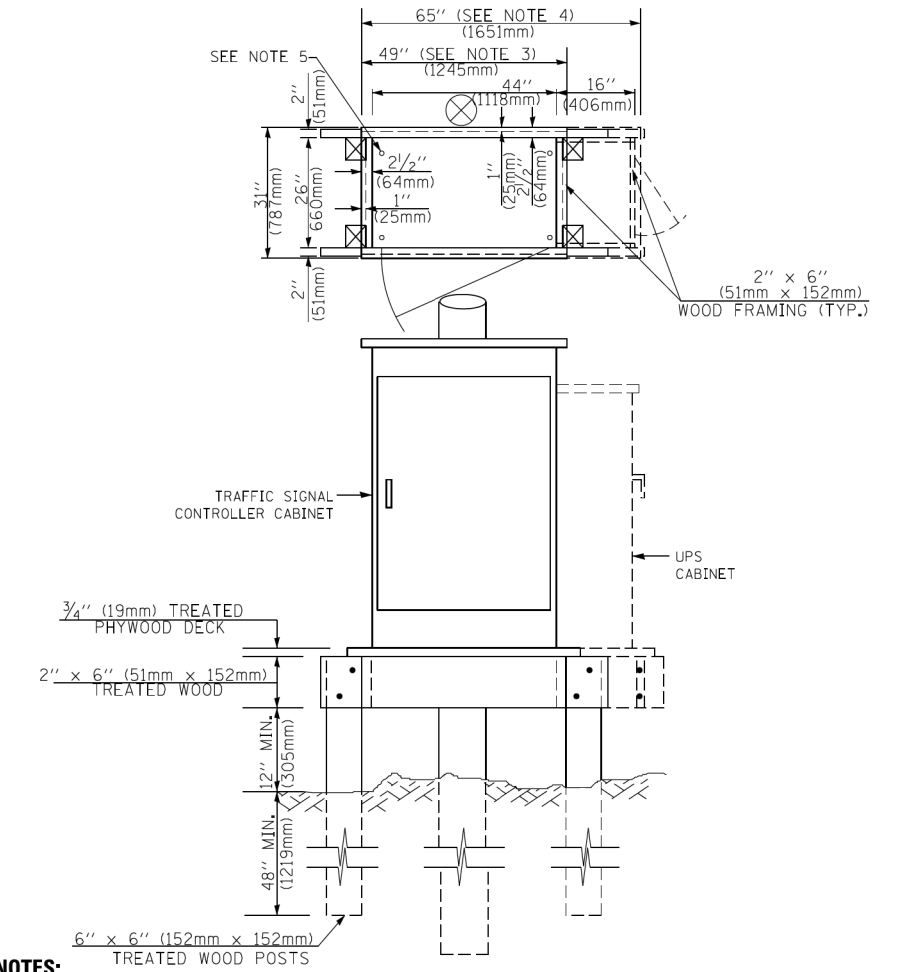


**TOP VIEW**

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



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

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

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

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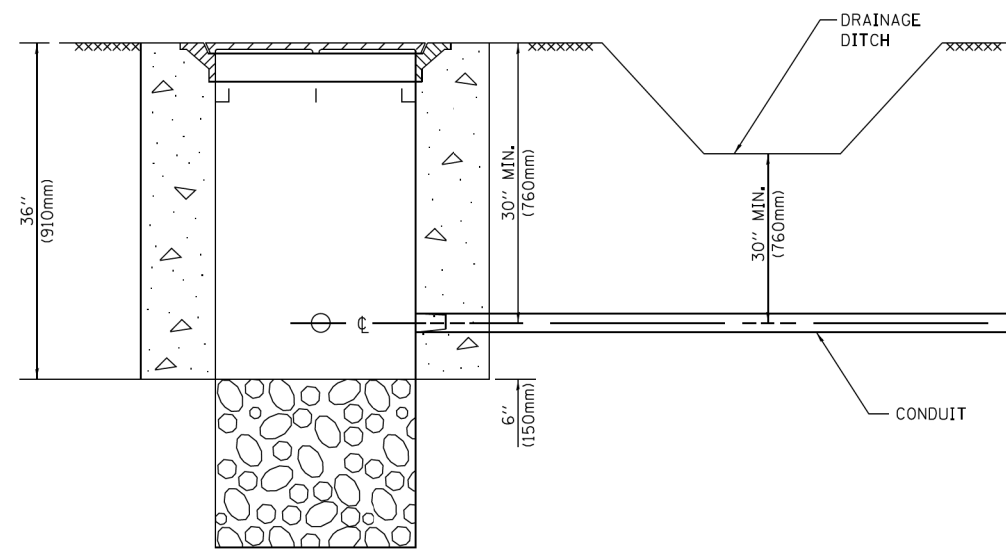


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PLOT SCALE = 50.0000' / 1"	DRAWN - BCK	REVISED -
PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -
	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.

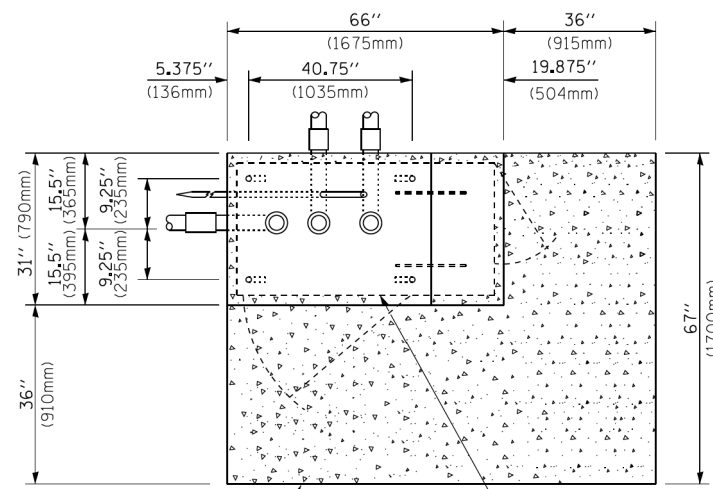
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<b>TS-05</b>		CONTRACT NO. 62B33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



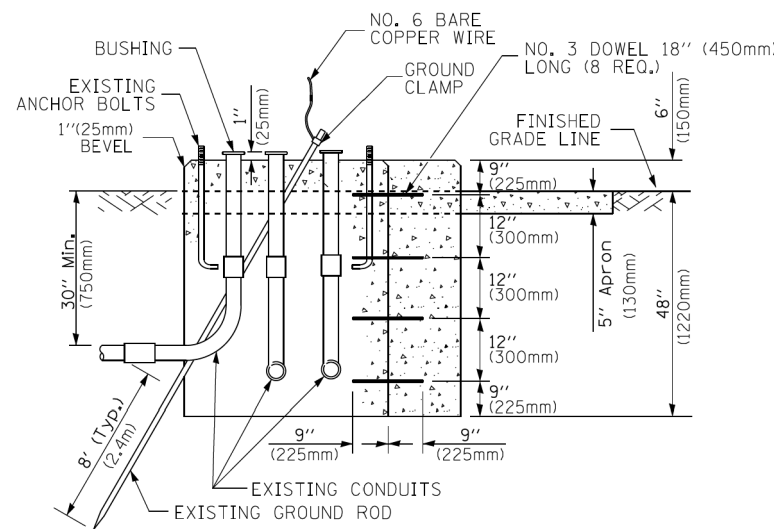
**NOTES:**

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

**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**TOP VIEW**  
(NOT TO SCALE)

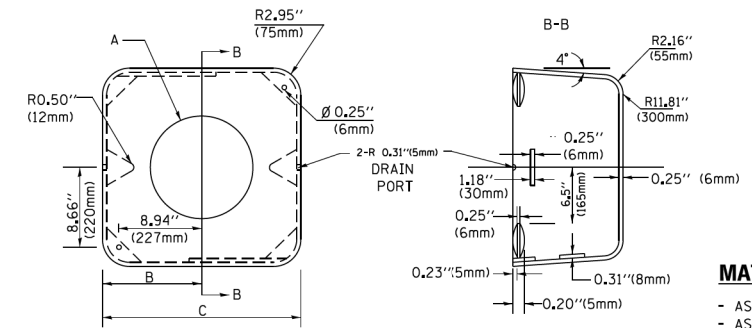


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

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



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

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

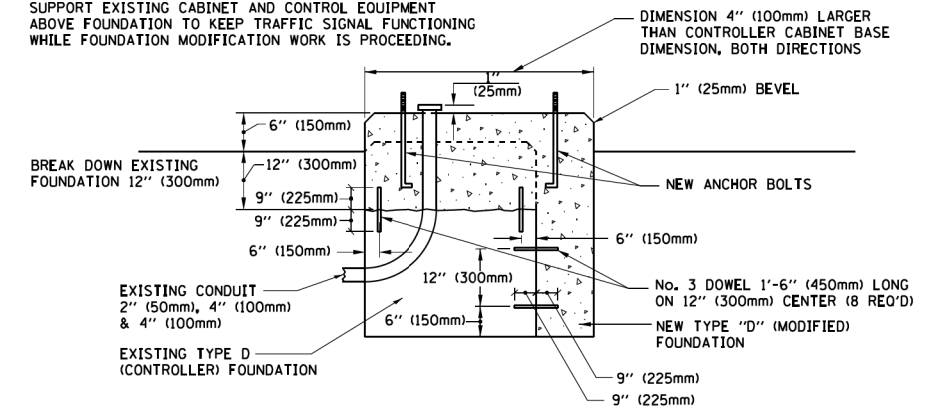
**SHROUD**

**NOTES:**

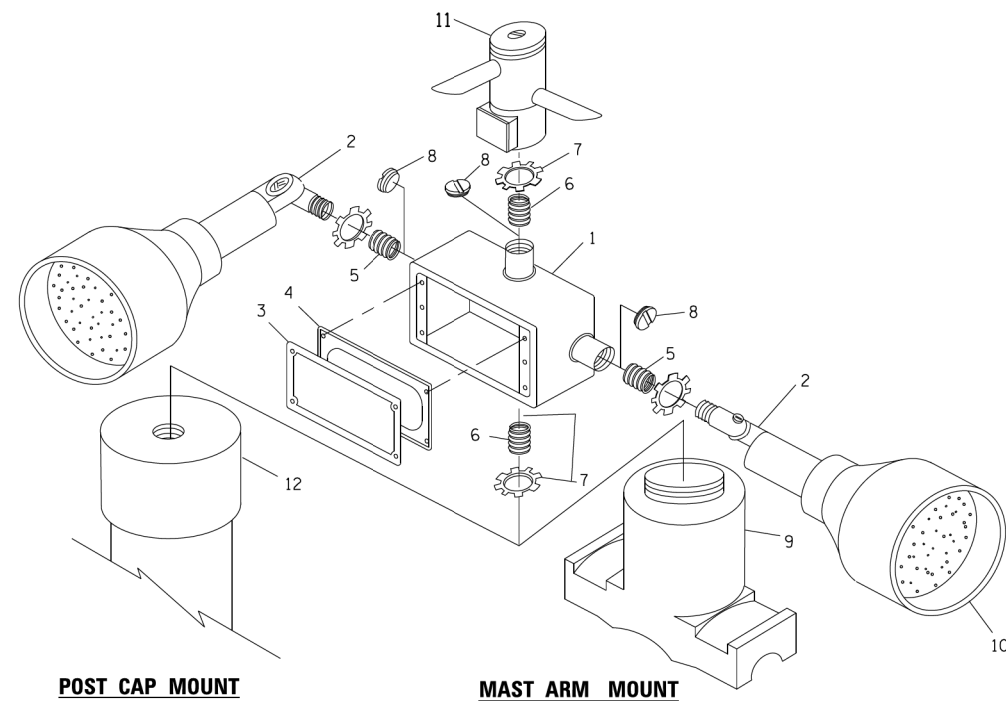
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



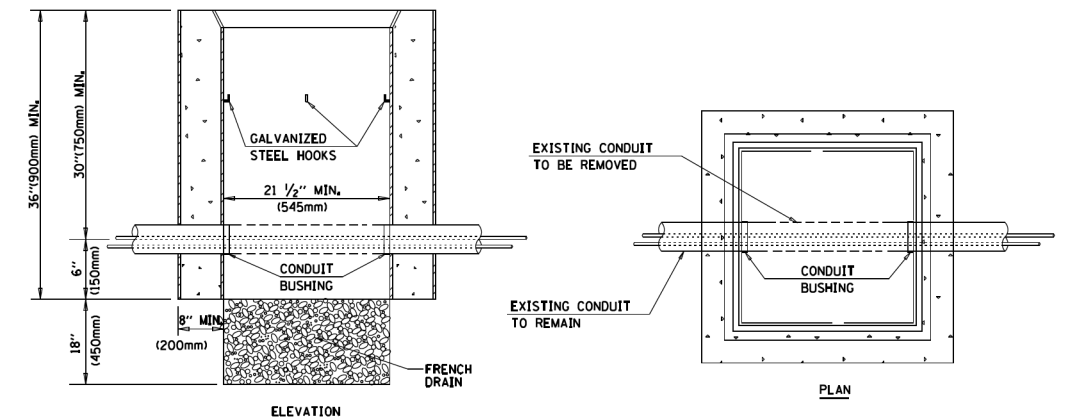
**MODIFY EXISTING TYPE "D" FOUNDATION**



**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

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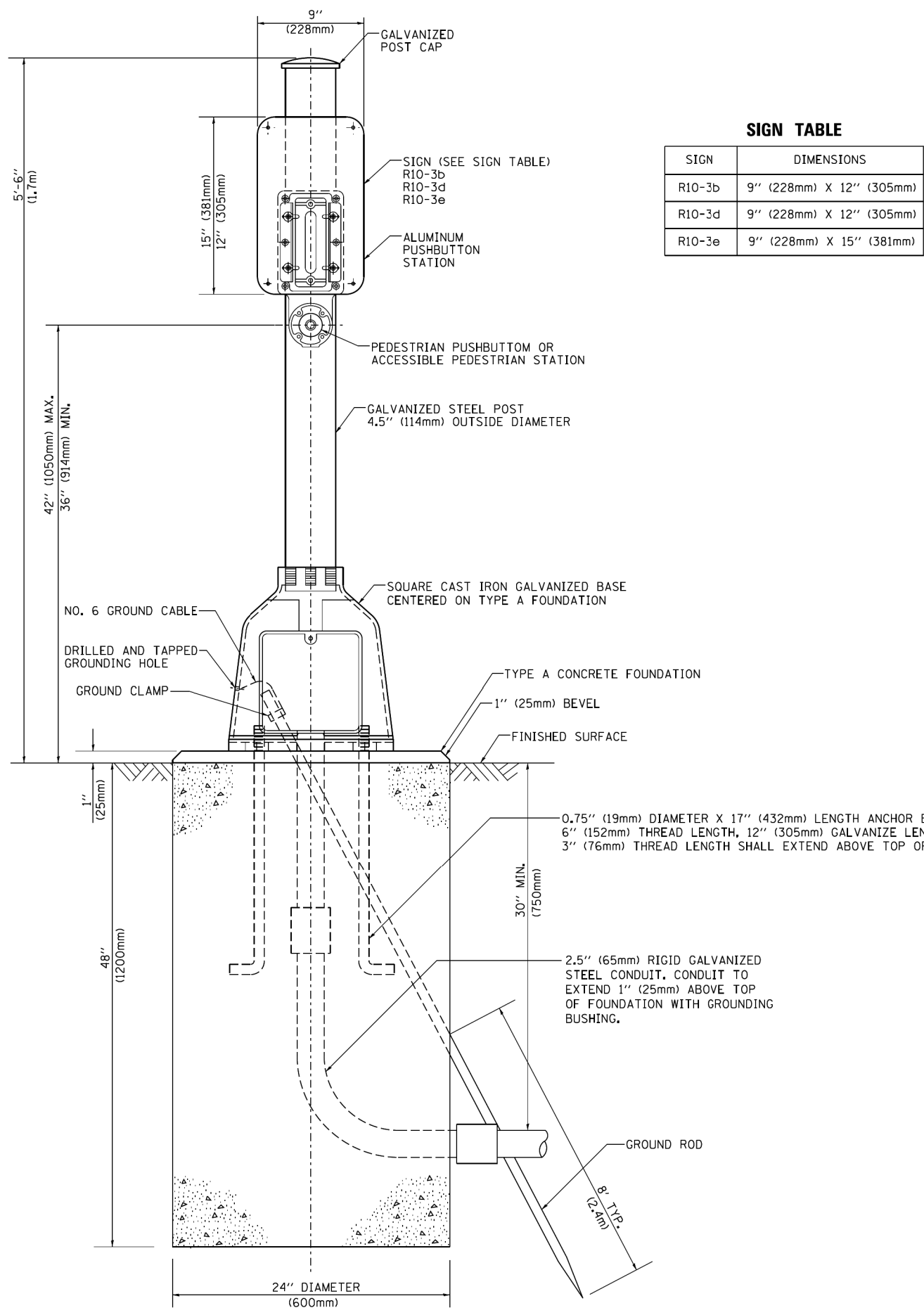
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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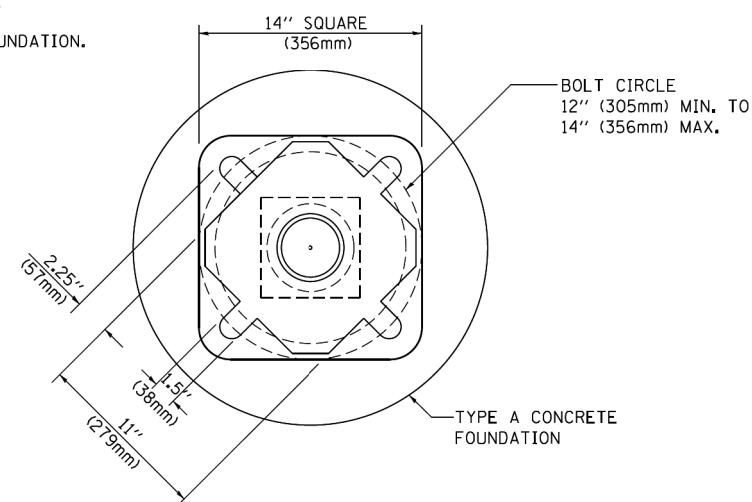
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	96
TS-05			(CONTRACT NO. 62B33	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**SIGN TABLE**

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



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

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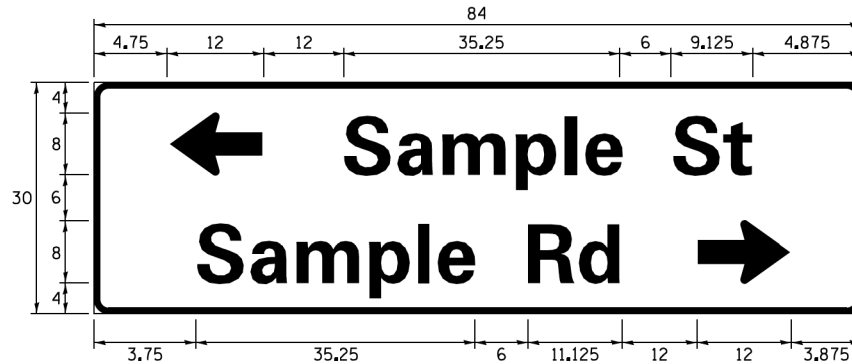
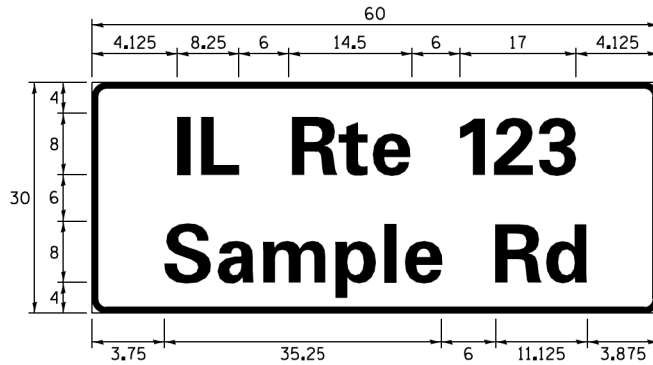
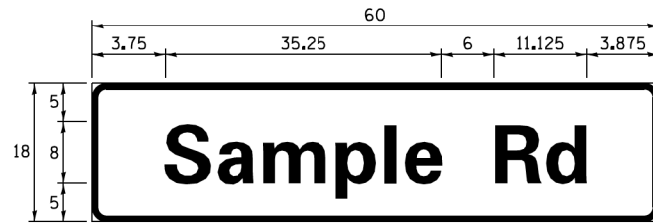
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	DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	97
<b>TS-05</b>			(CONTRACT NO. 62B33)	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**SIGN PANEL – TYPE 1 OR TYPE 2**



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

**COMMON STREET NAME ABBREVIATIONS AND WIDTHS**

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

**GENERAL NOTES**

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

**LOCAL SUPPLIERS:**

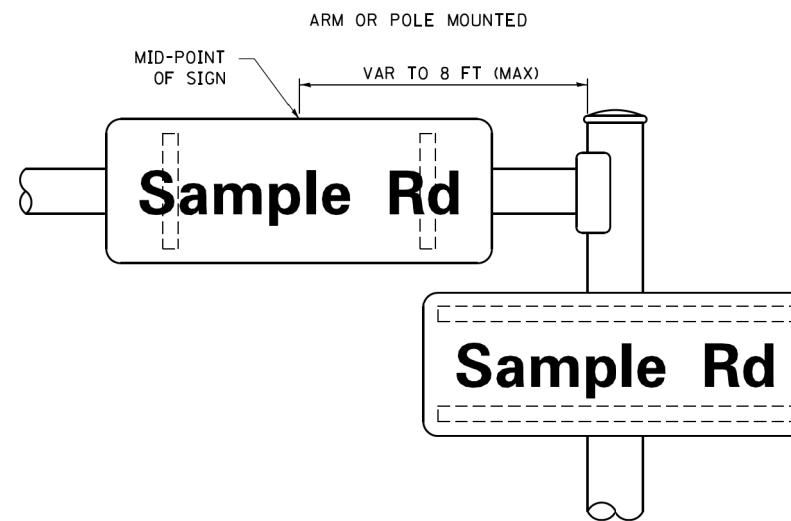
- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA
- WESTERN REMAC, INC.  
WOODRIDGE, IL

**PARTS LISTING:**

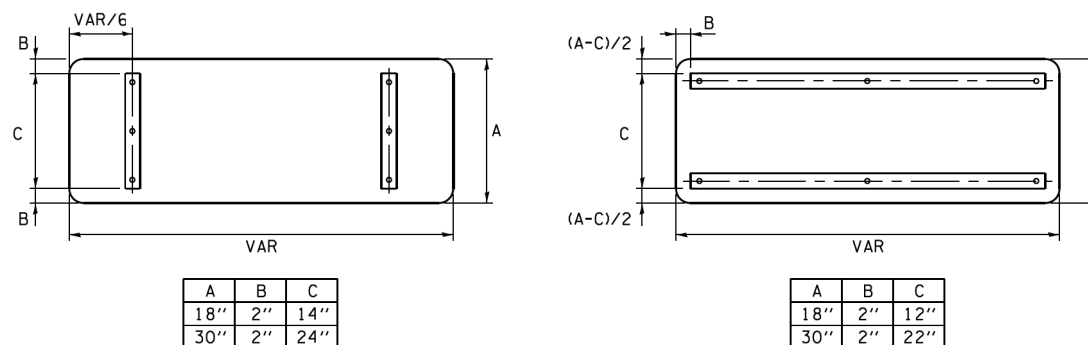
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)  
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3  
SELF TAPPING WITH NEOPRENE WASHER  
PART #HPN034 (UNIVERSAL)  
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

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

**MOUNTING LOCATION**



**SUPPORTING CHANNELS**

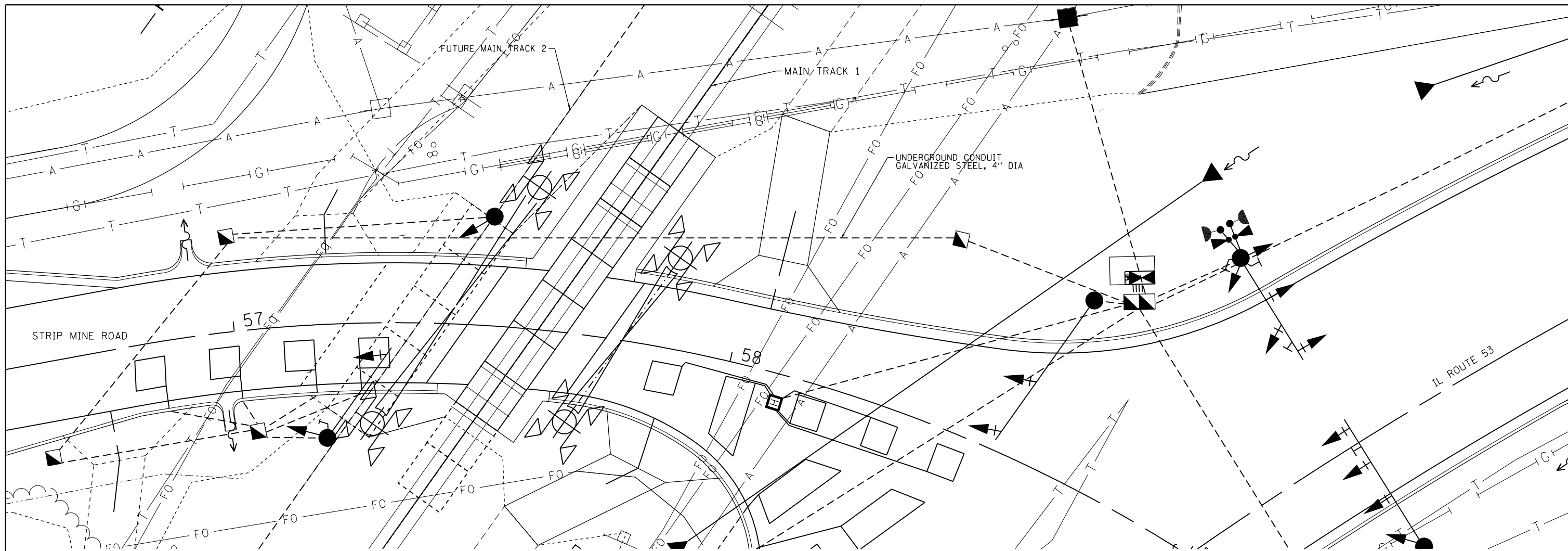


**STANDARD ALPHABETS SPACING CHART**

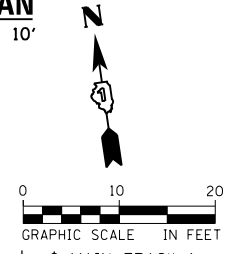
( 8" ) UPPER CASE AND ( 6" ) LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING ( INCH )	WIDTH ( INCH )	RIGHT SPACING ( INCH )	CHARACTER	LEFT SPACING ( INCH )	WIDTH ( INCH )	RIGHT SPACING ( INCH )
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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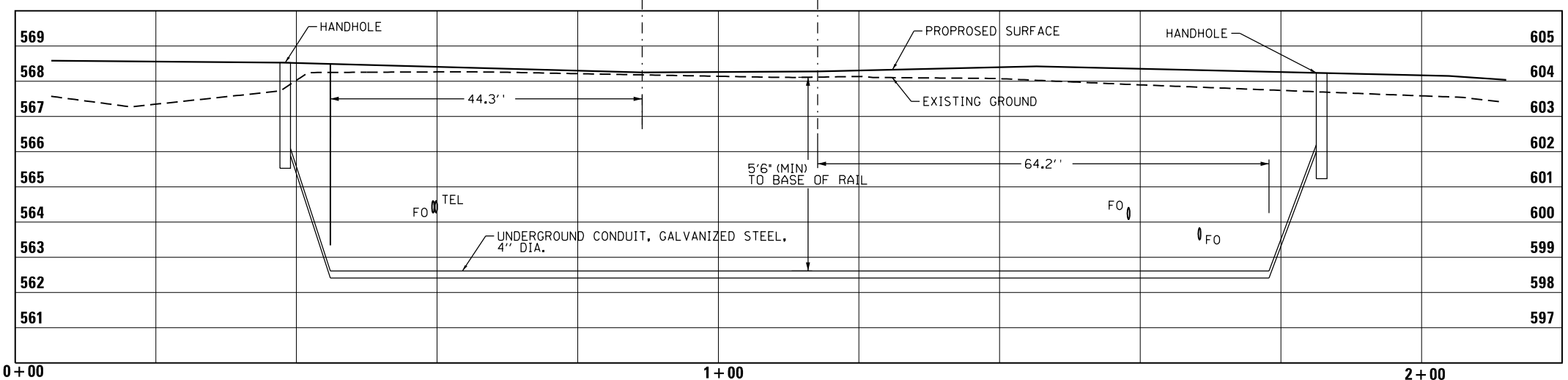


**PLAN**  
1" = 10'



**CONSTRUCTION NOTES:**

1. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF THE UNION PACIFIC RAILROAD WIRELINE INSTALLATION ENGINEERING SPECIFICATIONS FOR DIRECTIONAL DRILLING. IN ADDITION, ALL OTHER APPLICABLE UNION PACIFIC RAILROAD REQUIREMENTS SHALL BE MET.
2. REFER TO THE UNION PACIFIC GENERAL NOTES ON THE CONTRACT GENERAL NOTES SHEET FOR INFORMATION REGARDING WORK ON AND NEAR UNION PACIFIC RAILROAD RIGHT OF WAY.
3. RAILROAD COORDINATION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
4. EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPETENCES WITHIN THE LIMITS OF THE IMPROVEMENTS.
5. REFER TO THE UNION PACIFIC GENERAL NOTES ON THE CONTRACT GENERAL NOTES SHEET FOR CONTACT INFORMATION REGARDING THE LOCATION OF FIBER OPTIC CABLES WITHIN THE UNION PACIFIC RIGHT OF WAY.
6. RESTORATION OF DISTURBED AREAS SHALL BE INCLUDED IN THE PAY ITEM UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. DISTURBED AREAS SHALL BE RETURNED TO EXISTING GRADE. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



**PROFILE**

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USER NAME = Erin.Swanson	DESIGNED - NB	REVISED -
DRAWN - NB	REVISOR -	
PLOT SCALE = 20.0000 ft / in.	CHECKED - MJL	REVISOR -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONDUIT INSTALLATION UNDER RAILROAD TRACKS DETAIL**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	99
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

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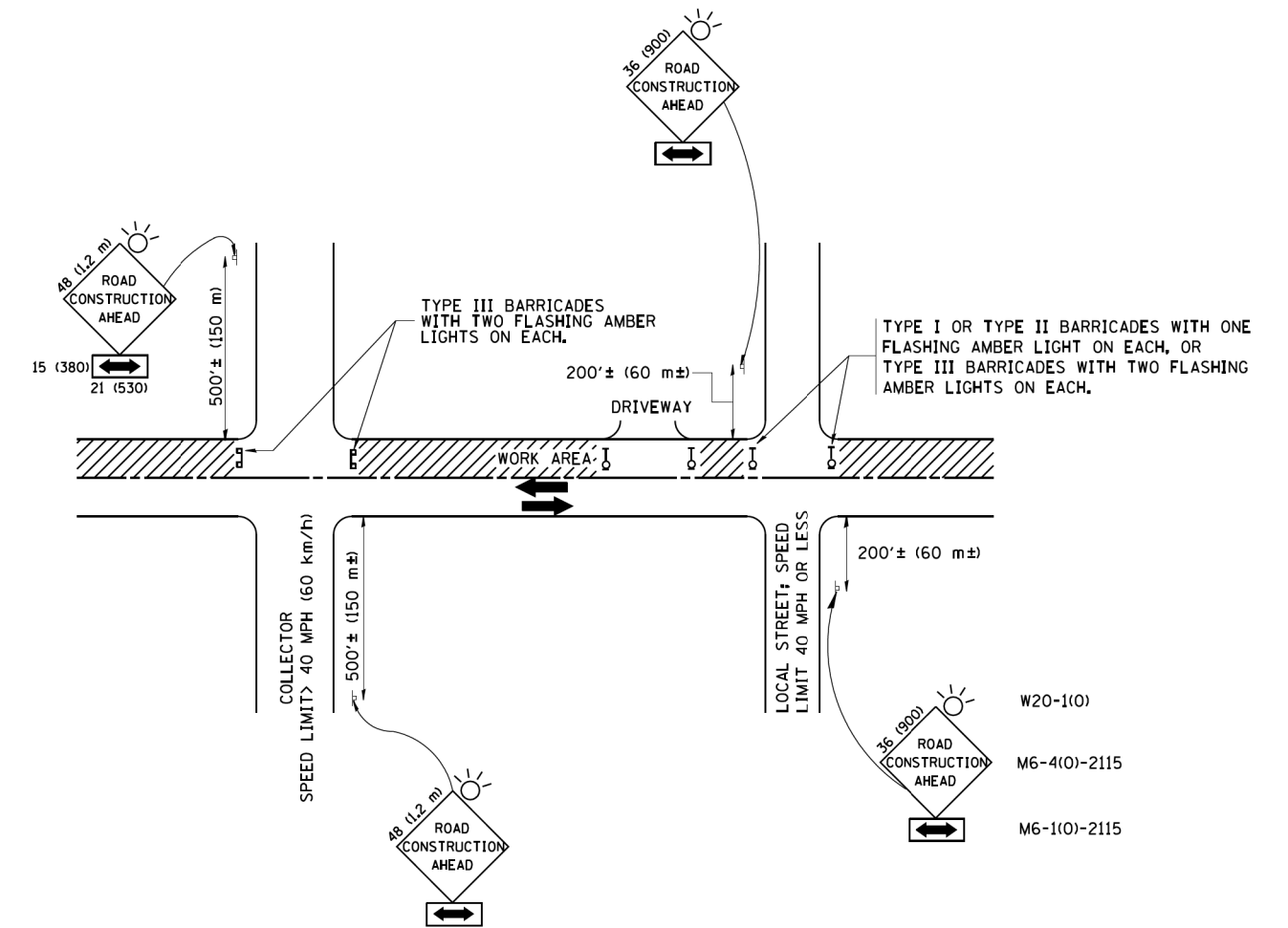
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	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET 1 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	100
TC-10			CONTRACT NO. 62B33	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

#### NOTES:

##### A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

##### B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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