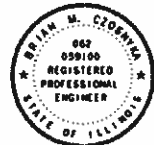


07-30-2021 LETTING ITEM 066

FOR INDEX OF SHEETS, SEE SHEET NO. 2



BRIAN M. CZORNYKA, P.E.  
EXPIRES: NOVEMBER 30, 2021  
FOR SHEETS 1-91, 122-132, & 140-234



MATTHEW J. LETOURNEAU, P.E.  
EXPIRES 11/30/2021  
FOR SHEETS 92-93 & 133-139



DEMIR DABEZIC S.E.  
EXPIRES: NOVEMBER 30, 2022  
FOR SHEETS 94-121

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

VETERANS MEMORIAL TRAIL (I-355)  
SPRING CREEK TO 159TH STREET

NEW CONSTRUCTION  
SECTION 11-F3001-01-BT  
PROJECT NO. K19K(601)

WILL COUNTY

C-91-152-20

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	1
		ILLINOIS	CONTRACT NO. 61G74	

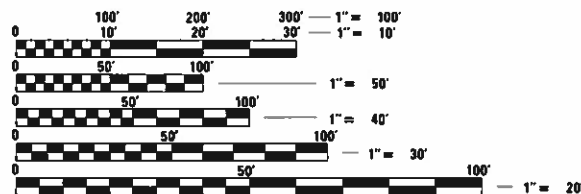


LOCATION OF SECTION INDICATED THUS: - [Black Box] -

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

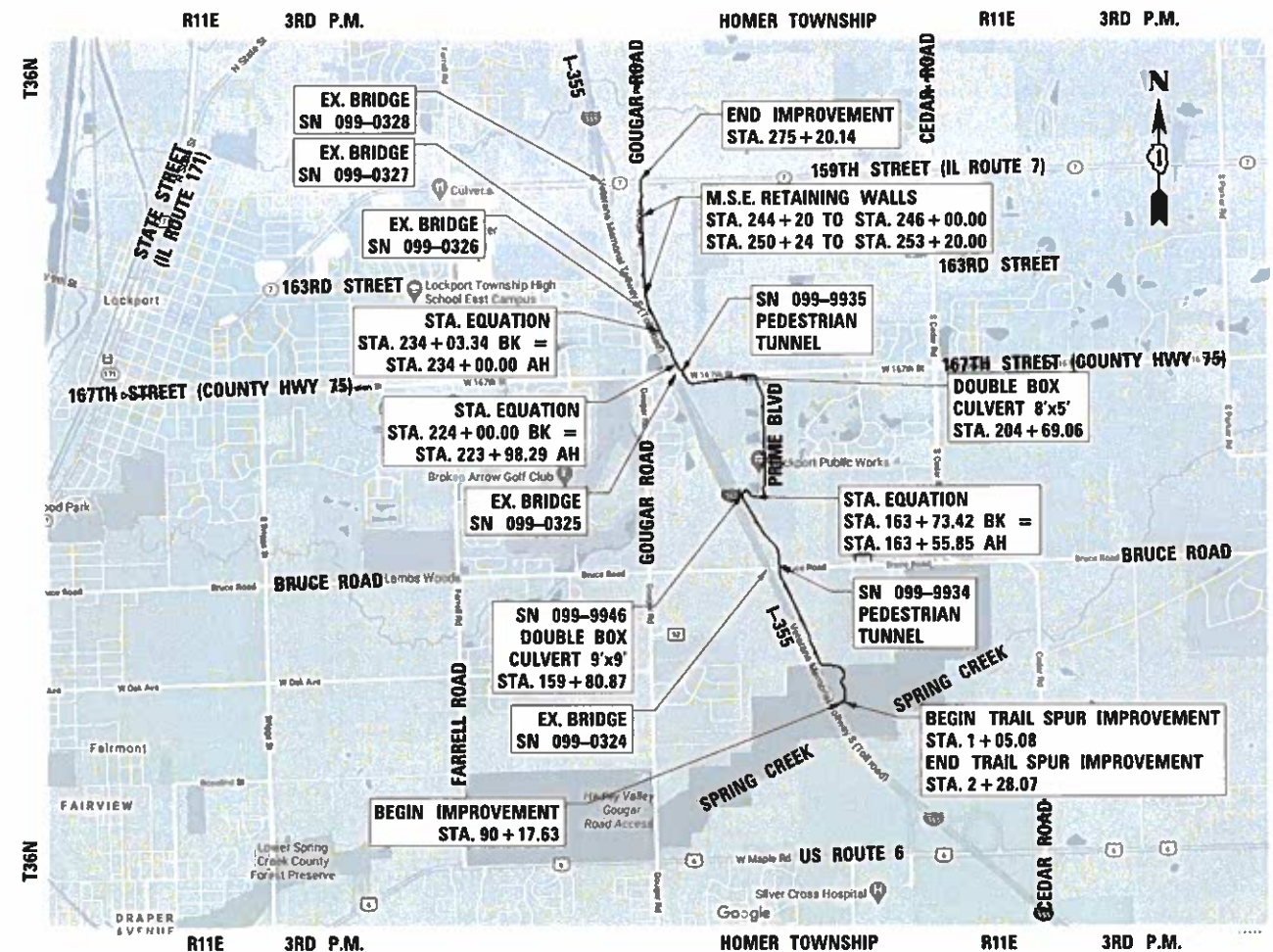
DESIGN DESIGNATION

- BIKE PATH  
A. POSTED SPEED = 20 MPH
- BRUCE ROAD (CITY OF LOCKPORT & HOMER TOWNSHIP)  
A. FUNCTIONAL CLASSIFICATION = MINOR COLLECTOR  
B. POSTED SPEED = 45 MPH  
C. ADT (2019) = 4,650
- 167TH STREET OR COUNTY HIGHWAY 75 (WILL COUNTY)  
A. FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR  
B. POSTED SPEED = 45 MPH  
C. ADT (2019) = 6,950



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

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



LOCATION MAP  
(NOT TO SCALE)

GROSS AND NET LENGTH = 18,520.08 FT. = 3.51 MILE



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Approved: 11/19/2020  
*[Signature]*  
FOREST PRESERVE DISTRICT OF WILL COUNTY  
RALPH SCHULTZ, CHIEF OPERATING OFFICER

PASSED: 2/20/21  
*[Signature]*  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW: Feb 23, 2021  
*[Signature]*  
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 61G74

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873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
878001-11	CONCRETE FOUNDATION DETAILS

## CONTRACT COMMITMENTS

- WHEN WORKING NEXT TO PIPELINES (WOLVERINE, EXXON, BP, ETC.) THE CONTRACTOR SHALL ADHERE TO EACH PIPELINE COMPANIES WORK PROXIMITY REQUIREMENTS.
  - 48 HOURS PRIOR TO START OF CONSTRUCTION NEAR BP PIPELINE RIGHT-OF-WAY, STEVE HOUSE (815-341-1116), BP'S DAMAGE PREVENTION SPECILIST MUST BE CONTACTED TO LOCATE THE FLAG AND PIPELINE.
  - 48 HOURS PRIOR TO START OF CONSTRUCTION NEAR WOLVERINE AND EXXON PIPELINE RIGHT-OF-WAY, J.U.L.I.E. MUST BE CALLED AT (800) 892-0123 OR 811 FOR THE FIELD LOCATIONS.
- THE CONSTRUCTION OF THE PEDESTRIAN TUNNELS UNDER BRUCE ROAD AND 167TH STREET SHALL BE COMPLETED DURING SEPARATE TIME FRAMES. ONE ROAD MUST REMAIN FULLY OPERATIONAL WHILE THE OTHER IS UNDER FULL CLOSURE FOR CONSTRUCTION. EACH TUNNEL WILL BE ALLOWED A TOTAL OF 30 CALENDAR DAYS EACH TO COMPLETE. TUNNEL CONSTRUCTION SHALL OCCUR DURING THE MONTHS OF JUNE, JULY, AND AUGUST WHEN SCHOOLS ARE NOT IN SESSION. REQUESTS FOR REVISION TO THIS TUNNEL CONSTRUCTION STAGING TIMELINE SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL BY THE CITY OF LOCKPORT, HOMER TOWNSHIP, VILLAGE OF HOMER GLEN, AND THE WILL COUNTY DEPARTMENT OF TRANSPORTATION.

WORK WITHIN EACH ROADWAY CORRIDOR SHALL INCLUDED BUT NOT BE LIMITED TO FULL ROAD CLOSURE DETOURS, EXISTING ROADWAY REMOVAL, EXCAVATION, PEDESTRIAN TUNNEL CONSTRUCTION, EROSION AND SEDIMENT CONTROL, BACKFILLING, ROADWAY RESTORATION, LANDSCAPING AND ALL ASSOCIATED WORK ITEMS PER THE CONTRACT PLANS AND AS DIRECTED BY THE ENGINEER.

## GENERAL NOTES

- |                              |  |
|------------------------------|--|
| GENERAL NOTES                | 1. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.  |
|                              | 2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).  |
|                              | 3. ALL STATION-OFFSET CALL OUTS AND CURVE DATA ON THE PLANS REFER TO THE PROPOSED CENTERLINE UNLESS OTHERWISE SHOWN.   |
|                              | 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS.   |
|                              | 5. ANY WORK ON HOLIDAYS AND WEEKENDS WILL NEED PRIOR APPROVAL FROM THE DISTRICT.   |
| GENERAL NOTES ISTHA PROPERTY | 6. GENERAL SAFETY PROVISIONS: TO PROVIDE ILLINOIS TOLLWAY AND CROSSROAD PATRONS SAFE TRAVEL CONDITIONS DURING THIS CONSTRUCTION PROJECT, AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, BOTH OF THE ILLINOIS TOLLWAY AND PRIVATE CONTRACTOR, THE RULES, REGULATIONS, AND CONDITIONS WILL PREVAIL FOR THE DURATION OF THIS CONTRACT.   |
|                              | 7. DISTRIBUTORS: ALL DISTRIBUTORS FOR ASPHALT PAVING OPERATIONS SHALL BE EQUIPPED WITH SHIELDS TO PREVENT DAMAGES TO MOTORISTS' VEHICLES AND TO ADJACENT HIGHWAY APPURTENANCES.  |
|                              | 8. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM THE ILLINOIS TOLLWAY AND CALL 630-241-6800 (EXT. 4941) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.   |
|                              | 9. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR THE FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.  |
|                              | 10. ANY WORK ON HOLIDAYS AND WEEKENDS WILL NEED PRIOR APPROVAL FROM THE ILLINOIS TOLLWAY.  |
| COORDINATION                 | 11. THE CONTRACTOR SHALL NOTIFY THE FOREST PRESERVE DISTRICT OF WILL COUNTY (TEL. 815-727-8700), ILLINOIS TOLLWAY (TEL. 630-241-6800, EXT. 4941), AND THE WILL COUNTY DIVISION OF TRANSPORTATION (815-727-8476) AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK, AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. THE CONTRACTOR SHALL ALSO OBTAIN ANY AND ALL NECESSARY PERMITS REQUIRED BEFORE THE START OF ANY CONSTRUCTION.  |
| PUBLIC OR PRIVATE UTILITIES  | 12. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE, AND THE DEPARTMENT AND DISTRICT DO NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH UTILITIES AND EXERCISE CARE DURING CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM, IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS". THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY OWNERS SO THAT THEIR FACILITIES MAY BE ADJUSTED OR RELOCATED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED IN THE PLANS. ALL RELOCATION WORK ON EXISTING PRIVATE UTILITIES WILL BE DONE BY THE OWNER OF THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY. |
| SURVEY AND MONUMENTS         | 13. ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)  |
|                              | 14. 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 (2007).  |
| DISPOSAL OF MATERIALS        | 15. THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIALS EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS, AT HIS EXPENSE. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO LOCATIONS, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT.   |
| UNSUITABLE MATERIAL          | 16. BEFORE REMOVAL OF ANY UNSUITABLE MATERIAL, THE CONTRACTOR SHALL TREAT THE SUBGRADE AS PER ARTICLE 301.03 OF THE "STANDARD SPECIFICATIONS" TO THE SATISFACTION OF THE ENGINEER. UNSUITABLE MATERIAL SHALL NOT BE USED AS EMBANKMENT OR FILL UNDER THE PROPOSED TRAIL AS SHOWN ON THE TYPICAL CROSS SECTIONS.  |
| STOCKPILES                   | 17. STOCKPILES OF TOPSOIL AND OTHER MATERIALS SHALL NOT BE LOCATED WITHIN A SPECIAL MANAGEMENT AREA. APPROVAL OF THE LOCATION MUST BE OBTAINED FROM THE ENGINEER PRIOR TO PLACEMENT. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES SHALL BE PROVIDED. STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.   |
| TREE TRIMMING                | 18. ALL BRANCHES THAT ARE LESS THAN 12 FEET ABOVE THE SURFACE OF THE TRAIL SHALL BE REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH ANSI STANDARD A300-2001 (PART 1) FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE AND ANSI Z133.1-1994 FOR TREE CARE OPERATIONS PRUNING, TRIMMING, REPAIRING, MAINTAINING AND REMOVING TREES AND CUTTING BRUSH.   |

FILE NAME = p:\aecom-na-pw-bentlidge\fa\BMD\CDL\DS28\_NA\_2019\Documents\253689593-Forest-Reserve-District\900-CAD\GIS\910-CAD\WillIFPD\_253689593\_VeteransTrail\Ph2\_Dr-wings\General\_Gannote\_1.dgn



USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS, AND CONTRACT COMMITMENTS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			11-F3001-01-BT	WILL	234	2
				CONTRACT NO. 61G74		
SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

**GENERAL NOTES (CONTINUED)**

- ACCESS TO PROPERTY 19. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER. SHOULD CLOSURE OF ACCESS BE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 24 HOURS IN ADVANCE OF THE SHORT DURATION CLOSURE.
- SAW CUTTING 20. THE LIMITS OF REMOVAL OF ALL CONCRETE OR BITUMINOUS PAVEMENTS, CURBING OR SIDEWALKS SHALL BE SAWCUT IN ACCORDANCE WITH SECTION 440 OF THE "STANDARD SPECIFICATIONS" AND AT THE DIRECTION OF THE ENGINEER.
- RESTORATION ACCESS 21. GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH SIX INCHES OF TOPSOIL AND SEED OR SOD.  
22. THE CONTRACTOR SHALL BE AWARE OF POTENTIAL LIMITED ACCESS TO PORTIONS OF THE PROJECT. TEMPORARY DRAINAGE CROSSINGS APPROVED BY THE ENGINEER MAY BE INSTALLED BY THE CONTRACTOR AT HIS/HER EXPENSE TO GAIN ACCESS.

**WILL COUNTY DIVISION OF TRANSPORTATION GENERAL NOTES**

1. THE CONTRACTOR SHALL NOTIFY THE WILL COUNTY DIVISION OF TRANSPORTATION (815-727-8476) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK WITHIN THE COUNTY RIGHT-OF-WAY ALONG 167TH STREET (COUNTY HIGHWAY 75).
2. ANY DAMAGE TO THE EXISTING ROADWAY, CURB, AND OTHER APPURTENANCES SHALL BE REPAIRED AND RESTORED TO SATISFACTION OF THE WILL COUNTY DIVISION OF TRANSPORTATION.
3. DECORATIVE SIGNING, PLANTINGS, SHRUBBERY, AND TREES ARE PROHIBITED INSIDE THE COUNTY RIGHT-OF-WAY.
4. THE WILL COUNTY DIVISION OF TRANSPORTATION SHALL NOT BE HELD LIABLE FOR ANY ERRORS OR OMISSIONS IN THESE ENGINEERING PLANS AND SPECIFICATIONS OR FOR ANY ADDITIONAL WORK THAT MAY BE NEEDED DUE TO ERRORS OR OMISSIONS IN THESE ENGINEERING PLANS.
5. THE PERMITTEE SHALL BE RESPONSIBLE FOR ANY ADDITIONAL WORK, AND ALL COST THEREOF, REQUIRED BECAUSE OF ERRORS OR OMISSIONS IN THESE ENGINEERING PLANS AND SPECIFICATIONS AND FOR THE CORRECTION OF ANY CONSTRUCTION, MAINTENANCE, OR SAFETY PROBLEMS WHICH BECOME APPARENT DURING CONSTRUCTION OR THROUGH INSPECTIONS MADE BY THE DEVELOPER'S ENGINEER OR THE WILL COUNTY DIVISION OF TRANSPORTATION.
6. ALL CONSTRUCTION MATERIALS WITHIN THE COUNTY ROW MUST BE IDOT CERTIFIED. DOCUMENTATION OF MATERIAL CERTIFICATION SHALL BE SUBMITTED PRIOR TO WCDOT APPROVAL. ALL CONSTRUCTION MATERIAL NEEDING INSPECTION SHALL BE DONE ACCORDING TO THE LATEST IDOT PROJECT AND PROCEDURED GUIDE.
7. THE CONTRACTOR SHALL PROVIDE THE WILL COUNTY DIVISION OF TRANSPORTATION WITH A COPY OF THE QC PLAN LETTER OF APPROVAL FROM IDOT FOR HMA MATERIAL SUPPLIERS TO BE USED ON THE PROJECT.

**SEDIMENTATION AND EROSION CONTROL NOTES**

- A. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.
- C. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING.
- D. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- E. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- F. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.
- G. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
- H. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL PRIOR TO THE START OF ANY EARTHWORK.
- I. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR.
- J. EROSION CONTROL MEASURES SHALL COMPLY WITH THE MINIMUM REQUIREMENTS OF THE WILL COUNTY STORMWATER AND FLOODPLAIN ORDINANCE SPECIFICATIONS AT ALL TIMES.
- K. 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 II.G.1 AND 2 OF THE SWPPP.

**WILL/SOUTH COOK SOIL & WATER CONSERVATION DISTRICT GENERAL NOTES**

- A. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- B. THE WILL/SOUTH COOK SOIL AND WATER CONSERVATION DISTRICT (WSCSWCD) MUST BE NOTIFIED ONCE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- C. A COPY OF THE APPROVAL EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MAINTAINED AT THE SITE AT ALL TIMES.
- D. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THE PLANS, A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW BY THE WSCSWCD.
- E. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE WSCSWCD.
- F. DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED, OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES, OR STORMWATER STRUCTURES IS PROHIBITED.
- G. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S), WHO MAY PERFORM WORK ON THIS SITE/PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

**LANDSCAPE NOTES**

1. EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIAL ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
2. PRUNE TREE LIMBS THAT MIGHT BE DAMAGED BY EQUIPMENT OPERATIONS AT LEAST ONE WEEK PRIOR TO THE START OF CONSTRUCTION BY A CERTIFIED ARBORIST. ANY TREE LIMBS THAT ARE BROKEN BY CONSTRUCTION EQUIPMENT AFTER THE INITIAL PRUNING MUST BE PRUNED CORRECTLY WITHIN 72 HOURS.
3. SUPPLEMENTAL WATERING IS SPECIFIED FOR TREES AND SHRUBS THAT WILL BE DISTURBED BY CONSTRUCTION BUT WILL REMAIN. NOTE THAT WATERING SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING, TOP PRUNING OR OTHER CONSTRUCTION DISTURBANCE.
4. ALL PLANT MATERIAL SHALL BE MARKED IN THE FIELD, CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847.705.4171) A MINIMUM OF 72 HOURS PRIOR TO TREE PLANTING WORK.

**TREE PRESERVATION NOTES**

1. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
2. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC DAMAGE TO THE REMAINING TREE STRUCTURE.
3. TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES WHEN NECESSARY TO CUT MAJOR TREE ROOTS TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING IS SPECIFIED FOR TREES AND SHRUBS THAT WILL BE DISTURBED BY CONSTRUCTION BUT WILL REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.

**CONSTRUCTION ACCESS AND ENTRANCE LOCATIONS**

1. THE CONSTRUCTION ACCESS LOCATIONS SHALL AVOID WETLAND, WETLAND BUFFER AND RIPARIAN AREAS UNLESS OTHERWISE NOTED ON THE PLANS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MINIMIZING DUST AND THE TRACKOUT OF SOILS, MUD AND DEBRIS WHILE EXITING DESIGNATED CONSTRUCTION ACCESS AND ENTRANCE LOCATIONS. THE CONTRACTOR SHALL PROVIDE A TRACKOUT CONTROL MAT OR SIMILAR MEASURE AT EACH CONSTRUCTION ACCESS/ENTRANCE AS DETERMINED AND APPROVED BY THE ENGINEER. THE TRACKOUT CONTROL MAT OR SIMILAR MEASURE WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF STABILIZED CONSTRUCTION ENTRANCE.

FILE NAME = p:\aecom-no-pw-bentl\g\p\m\CDL\520\_NA\_2019\Documents\25369593-Forest-Preserve-District\900-CA0 GIS\910-CA0 WillFPD\_25369593\_VeteransTrail\Ph2-Drawings\General\Gannote\_2.dgn



USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/18/2021	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS,  
AND CONTRACT COMMITMENTS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	3
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

**GENERAL CONSTRUCTION NOTES – COMED RIGHT-OF-WAY REQUIREMENTS**

GENERAL:

1. PROPOSED ACCESS ROUTES FOR USE DURING PROJECT CONSTRUCTION ACTIVITIES MUST BE SUBMITTED TO COMED'S ENVIRONMENTAL SERVICE DEPARTMENT (ESD) FOR REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. NO DEMOLITION, CONSTRUCTION, OR EQUIPMENT STAGING SHALL OCCUR ON COMED PROPERTY DURING CONSTRUCTION.
3. NO HAZARDOUS MATERIALS, CONSTRUCTION DEBRIS, SOIL, FILL MATERIAL, OR SPOILS MAY BE STORED ON COMED PROPERTY.
4. ALL CONSTRUCTION EQUIPMENT MUST BE FREE OF LEAKS. IN THE EVENT OF A LEAK/SPILL ON COMED PROPERTY, THE CONTRACTOR MUST NOTIFY COMED WITHIN 24 HOURS AND PROVIDE A WRITTEN REPORT TO ESD WITHIN 5 BUSINESS DAYS. ANY LEAKS OF OILS OR CHEMICALS THAT OCCUR SHALL BE CLEANED AT THE CONTRACTOR'S EXPENSE AND REPORTED TO THE APPROPRIATE AGENCIES, AS NEEDED.
5. ALTERING UNPAVED AREAS OR CHANGING THE GRADE ON COMED PROPERTY IN ANY OTHER WAY THAN IN THE CONSTRUCTION PLANS REQUIRES ESD AUTHORIZATION. THIS INCLUDES ACTIVITIES OF ADDING GRAVEL OR INFILL ACTIVITIES TO THE SURFACE OF COMED PROPERTY.
6. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT .KMZ FILE OF THE CONSTRUCTED TRAIL TO COMED.
7. AN APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC) SHALL BE SUBMITTED BY THE CONTRACTOR TO ESD PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
8. COPIES OF THE WEEKLY AND POST STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REPORTS SHALL BE PROVIDED TO COMED FOR CONSTRUCTION ON COMED PROPERTY.

SUGGESTED CONSTRUCTION ACCESS LOCATIONS TO COMED RIGHT-OF-WAY:

1. EAST OF I-355 VETERANS MEMORIAL TOLLWAY AND WEST OF FRACTION RUN CREEK. THE CONTRACTOR SHALL USE 167TH STREET VIA EXISTING COMED FIELD ENTRANCE.
2. EAST OF I-355 VETERANS MEMORIAL TOLLWAY, EAST OF FRACTION RUN CREEK, AND SOUTH OF 167TH STREET RIGHT-OF-WAY. THE CONTRACTOR SHALL USE PRIME BOULEVARD VIA THE PROJECT CONSTRUCTION LIMITS ALONG CITY OF LOCKPORT AND TOLLWAY PROPERTIES.

CONSTRUCTION REQUIREMENTS:

1. THE CONTRACTOR SHALL WORK WITHIN THE PROJECT LIMITS OF CONSTRUCTION AS SHOWN ON THE PLANS THROUGH COMED RIGHT-OF-WAY. WORK BEYOND THE LIMITS OF CONSTRUCTION SHALL REQUIRE THE PLACEMENT OF TIMBER OR COMPOSITE MATTING OVER THE AREA OR AREAS TO BE CROSSED. ANY AREA IMPACTED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE RESTORED WITH SEEDING, CLASS 4B (WETLAND GRASS AND SEDGE MIXTURE) AS PER THE ILLINOIS DEPARTMENT OF TRANSPORTATIONS (IDOT) STANDARD SPECIFICATIONS TO THE SATISFACTION OF THE ENGINEER. ALL WORK, MATTING, AND RESTORATION OUTSIDE OF THE LIMITS OF CONSTRUCTION WILL NOT BE PAID FOR AND WILL BE AT THE CONSTRUCTOR'S OWN EXPENSE.
2. WHEN WORKING IN THE VICINITY OF COMED'S ELECTRIC TRANSMISSION LINES, A MINIMUM CLEARANCE OF FIFTEEN (15) FEET SHALL BE MAINTAINED BETWEEN THE CONTRACTORS EQUIPMENT AND COMED'S EXISTING 138,000 VOLT ELECTRIC TRANSMISSION CONDUCTORS. UNDER NO CIRCUMSTANCES SHALL TRUCK BEDS BE RAISED UNDER THE TRANSMISSION LINES.
3. IF THE ENGINEER DETERMINES THAT A LINE OUTAGE IS REQUIRED TO SAFELY WORK WITHIN THE VICINITY OF THE EXISTING OVERHEAD TRANSMISSION FACILITIES, A MINIMUM 16-WEEK ADVANCED NOTIFICATION TO COMED IS REQUIRED. OUTAGE DATES CANNOT BE GUARANTEED DUE TO SYSTEM CONCERNS AND/OR WEATHER CONDITIONS. OUTAGES ON OVERHEAD TRANSMISSION FACILITIES WILL NOT BE PERMITTED BETWEEN MAY 15 AND SEPTEMBER 15.
4. UNDERGROUND OIL (WOLVERINE PIPELINE CO. AND EXXON) PIPELINE FACILITIES ARE LOCATED WITHIN COMED'S RIGHT-OF-WAY. THE CONTRACTOR SHALL CONTACT "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
5. IN-STREAM CONSTRUCTION WILL BE PERFORMED ON COMED PROPERTY. THE CONTRACTOR SHALL SUBMIT AN IN-STREAM WORK PLAN TO COMED AND THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY STRUCTURE REMOVAL OR IN-STREAM WORK. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK.
6. EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED AS NOTED IN THE PLANS AND GENERAL NOTES ON SHEET 2.

EXISTING DRAIN TILES LOCATED ON COMED PROPERTY:

1. ALL EXISTING DRAIN TILES EXPOSED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED PER THE INSTALLATION AND REPAIR DETAILS PROVIDED ON SHEET 71 AND THE PLANS.
2. THE CONTRACTOR SHALL PROVIDE COMED AS-BUILT PLANS DETAILING THE REPAIR AND/OR REPLACEMENT OF DRAIN TILES.

EXCAVATION, SPOILS AND MATERIALS:

1. REMOVAL OF ALL SOIL OR WASTE FROM COMED PROPERTY SHALL BE PERFORMED BY A COMED ENVIRONMENTAL CONTRACTOR OF CHOICE AND DISPOSED OF IN A COMED APPROVED LANDFILL.
2. MATERIAL EXCAVATION AND DISPOSAL WITHIN COMED RIGHT-OF-WAY SHALL BE PAID FOR AS EARTH EXCAVATION (SPECIAL).
3. ONLY CLEAN FILL SHALL BE USED IN AREAS OF PROPOSED EMBANKMENT.
4. ENVIRONMENTAL SAMPLING IS NOT PERMITTED ON COMED PROPERTY.
5. GRADING OF EXCAVATED SOIL IS NOT PERMITTED WITHIN COMED RIGHT-OF-WAY.

WETLAND REQUIREMENTS:

1. OVERSIGHT AND INSPECTIONS OF ALL CONSTRUCTION ACTIVITIES WITHIN WETLAND AREAS SHALL BE CONDUCTED BY A WETLANDS PROFESSIONAL. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF ALL INSPECTIONS TO COMED'S ENVIRONMENTAL SERVICES DEPARTMENT (ESD).
2. TIMBER OR COMPOSITE MATTING SHALL BE USED OVER WETLAND AREAS THAT WILL BE CROSSED OUTSIDE THE PROJECT LIMITS OF CONSTRUCTION AS SHOWN ON THE PLANS DURING CONSTRUCTION AND MAINTENANCE ACTIVITIES. ALL WORK OUTSIDE THE LIMITS OF CONSTRUCTION WILL NOT BE PAID FOR AND WILL BE AT THE CONTRACTOR'S OWN EXPENSE.
3. THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE, AND LOCAL WETLAND REQUIREMENTS, INCLUDING UNITED STATES ARMY CORPS OF ENGINEERS AND COOK COUNTY REGULATIONS AND GUIDELINES.

RESTORATION REQUIREMENTS:

1. THE CONTRACTOR SHALL RESTORE ANY IMPACTED COMED RIGHT-OF-WAY WITH SEEDING, CLASS 4B (WETLAND GRASS AND SEDGE MIXTURE), WITH THE EXCEPTION OF ANY LAND DIRECTLY ADJACENT TO THE TRAIL THAT IS WITHIN THE PROJECT LIMITS OF CONSTRUCTION AND WILL BE MOWED OR OTHERWISE MAINTAINED FOR SAFETY OR SIMILAR PURPOSES, AS SHOWN IN THE TYPICAL SECTIONS. RESTORATION WITH SEEDING, CLASS 4B BEYOND THE LIMITS OF CONSTRUCTION WILL NOT BE PAID FOR AND WILL BE AT THE CONTRACTOR'S OWN EXPENSE.
2. THE CONTRACTOR SHALL PROVIDE ESD WITH PHOTO DOCUMENTATION OF CURRENT PROPERTY CONDITIONS BEFORE CONSTRUCTION ACTIVITIES ARE INITIATED.
3. ANY DAMAGE TO COMED PROPERTY CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

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USER NAME = ken.moy	DESIGNED - <b>BM</b>	REVISED -
	DRAWN - <b>BM</b>	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - <b>BM</b>	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
GENERAL CONSTRUCTION NOTES  
COMED RIGHT-OF-WAY REQUIREMENTS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	4
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\aecom\renewable\Illinois\Documents\25369593\Forest\_Preserve\_District\988-CAD\_CIS\910-CAD\A1\FPD\_25369593\_VeteransTrail\Ph2\Drawings\General\SHF-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE													
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%							
					BICYCLE TRAIL 0028	TUNNEL 0028	TUNNEL 0028	RETAINING WALL 0028	RETAINING WALL 0028	BOX CULVERT 0028	BOX CULVERT 0028	TRAFFIC SIGNALS 0028						
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN						
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	600	600													
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	50	50													
	20101000	TEMPORARY FENCE	FOOT	1,620	1,620													
*	20101200	TREE ROOT PRUNING	EACH	10	10													
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10													
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	10	10													
	20200100	EARTH EXCAVATION	CU YD	19,372	19,372													
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	13,710	13,710													
Y	20400800	FURNISHED EXCAVATION	CU YD	16,692	16,692													
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	256		90	115				27	24						
	20800150	TRENCH BACKFILL	CU YD	297	297													
	21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	20,132	20,132													
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3,874	3,874													
*	25000314	SEEDING, CLASS 4B	ACRE	0.50	0.50													

\* DENOTES SPECIALTY ITEM      % 0042



USER NAME = kenuoy	DESIGNED - JN	REVISED -
PLDT SCALE = 2.0000' / in.	DRAWN - JN	REVISED -
PLDT DATE = 4/28/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	5
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\aecom\proj\ken\1104\AECOM\_0528\_NA\_2019\Documents\25359913-Forest-Preperv-District\999-CAD\CIS\918-CAD\N\11FPD\_25359913-VeteransTrail\112-Drawings\General\SPIT-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	
					BICYCLE TRAIL	TUNNEL	TUNNEL	RETAINING WALL	RETAINING WALL	BOX CULVERT	BOX CULVERT	TRAFFIC SIGNALS	
					0028	0028	0028	0028	0028	0028	0028	0028	
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN	
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	444	444								
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	778	778								
*	25100115	MULCH, METHOD 2	ACRE	8.75	8.75								
*	25200200	SUPPLEMENTAL WATERING	UNIT	209.1	209.1								
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	864	864								
	28000305	TEMPORARY DITCH CHECKS	FOOT	294	294								
	28000315	AGGREGATE DITCH CHECKS	TON	142	142								
	28000400	PERIMETER EROSION BARRIER	FOOT	27,304	27,304								
	28000510	INLET FILTERS	EACH	42	42								
	28100101	STONE RIPRAP, CLASS A1	SQ YD	265	265								
	28100107	STONE RIPRAP, CLASS A4	SQ YD	301						163	138		
	28200200	FILTER FABRIC	SQ YD	856	772					52	32		
	28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	96	96								
Y	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,312	1,312								

\* DENOTES SPECIALTY ITEM      % 0042



USER NAME = ken.may  
 DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021

REVISIONS  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	6
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\aecom\paw-berr-1\gd\am\AECOM\_0520\_NA\_2019\Documents\25389933-Force-Maintenance\Drawings\General\NSIT-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%			
					BICYCLE TRAIL	TUNNEL	TUNNEL	RETAINING WALL	RETAINING WALL	BOX CULVERT	BOX CULVERT	TRAFFIC SIGNALS			
					0028	0028	0028	0028	0028	0028	0028	0028			
URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN								
Y	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	711	711										
	31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	53		18	35								
	31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SQ YD	1,472	1,472										
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,422	1,422										
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	20,132	20,132										
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	406	406										
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	51,511	51,511										
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,801	4,801										
Y	40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	29	29										
Y	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,720	2,720										
Y	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	2,152	2,152										
	42001300	PROTECTIVE COAT	SQ YD	1,414	1,414										
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	152	152										
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	7,100	3,937	1,209	1,954								

\* DENOTES SPECIALTY ITEM      % 0042



USER NAME = ken.may  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021

DESIGNED - JN  
 DRAWN - JN  
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 DATE - 2/09/2021

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 SUMMARY OF QUANTITIES**

SCALE: SHEET 3 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	7
CONTRACT NO. 61G74				
(ILLINOIS FED. AID PROJECT)				

FILE NAME = p:\aecom\ne-pa-ham1\gpa\aeccm\0528\_NA\_2019\Documents\26369593-Forst\_Preserve\District\988-CAD\_DIST\918-CAD\_DIST\11\FPD\_26369593\_VeteransTrail\Final\Drawings\General\SHIT-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	
					BICYCLE TRAIL	TUNNEL	TUNNEL	RETAINING WALL	RETAINING WALL	BOX CULVERT	BOX CULVERT	TRAFFIC SIGNALS	
					0028	0028	0028	0028	0028	0028	0028	0028	
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN	
	42400800	DETECTABLE WARNINGS	SQ FT	363	363								
	44000100	PAVEMENT REMOVAL	SQ YD	2,686	2,686								
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	154	154								
	44000600	SIDEWALK REMOVAL	SQ FT	648	648								
	48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	118	118								
	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	1,141	1,141								
	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	276	276								
	48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SQ YD	65	65								
	50105220	PIPE CULVERT REMOVAL	FOOT	14	14								
	50200100	STRUCTURE EXCAVATION	CU YD	2,217		1,907				156	154		
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	4,075		239	3,789			24	23		
	50300225	CONCRETE STRUCTURES	CU YD	245				92	151	1	1		
	50300300	PROTECTIVE COAT	SQ YD	741				280	461				
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	32,630				12,280	20,280	40	30		

\* DENOTES SPECIALTY ITEM     % 0042



USER NAME = ken.may  
 DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021  
 REVISIONS:  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	8
CONTRACT NO. 61G74				
[ILLINOIS] FED. AID PROJECT				



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SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	
					BICYCLE TRAIL 0028	TUNNEL 0028	TUNNEL 0028	RETAINING WALL 0028	RETAINING WALL 0028	BOX CULVERT 0028	BOX CULVERT 0028	TRAFFIC SIGNALS 0028
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN
*	50901720	BICYCLE RAILING	FOOT	552				180	296	40	36	
	51500100	NAME PLATES	EACH	4		1	1			1	1	
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	4,816			1,273	1,445	2,098			
Y	52200500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	3,530				1,411	2,119			
	54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2						2		
	54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2							2	
	54010805	PRECAST CONCRETE BOX CULVERTS 8' X 5'	FOOT	44							44	
	54010909	PRECAST CONCRETE BOX CULVERTS 9' X 9'	FOOT	28						28		
	542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	191	191							
	542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	62	62							
	542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	88	88							
	542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	159	159							
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3							
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2							

\* DENOTES SPECIALTY ITEM % 0042



USER NAME = kenu.may	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	9
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\ancom\ro-pw\ben\l\ge\m\AECOM\_0528\_NA\_2019\Documents\26369593-Forist\_Pressure\_District\980-CAD\_GIS\910-CAD\_V11\FPD\_26369593\_VeteransTrail\Fig2\Drawings\General\NSH1-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%
					BICYCLE TRAIL	TUNNEL	TUNNEL	RETAINING WALL	RETAINING WALL	BOX CULVERT	BOX CULVERT	TRAFFIC SIGNALS	
					0028	0028	0028	0028	0028	0028	0028	0028	
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN	
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2								
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	16	16								
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	8	8								
	54262712	METAL FLARED END SECTIONS 12"	EACH	2	2								
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	415	415								
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	362	362								
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	51	51								
*	56400100	FIRE HYDRANTS TO BE MOVED	EACH	10	10								
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	2,990		932	2,011			24	23		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1,947		685	1,153			47	62		
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	9	9								
	60100945	PIPE DRAINS 12"	FOOT	182	182								
	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	307	307								
	60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	115	115								

\* DENOTES SPECIALTY ITEM     % 0042



USER NAME = ken.may  
 DESIGNED - JN  
 DRAWN - JN  
 PLDT SCALE = 2.0000 / in  
 CHECKED - KLM  
 PLOT DATE = 2/8/2021  
 DATE - 2/09/2021

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	10
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\ancom\m-pw\bon1\gama\AECOM\_DS20\_ML2013\Documents\25359593-Forcast\_Preserve-Distriet\98-CAD\_GIS\910-CAD\_V11\FID\_25359593\_VeteransTrail\Phase2\Drawings\General\SHI-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%
					BICYCLE TRAIL	TUNNEL	TUNNEL	RETAINING WALL	RETAINING WALL	BOX CULVERT	BOX CULVERT	TRAFFIC SIGNALS	
					0028	0028	0028	0028	0028	0028	0028	0028	
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN	
	60108114	PIPE UNDERDRAINS, TYPE 1, 12"	FOOT	223	223								
	60201340	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE	EACH	10	10								
	60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3								
	60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1								
	60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1								
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2								
	60255500	MANHOLES TO BE ADJUSTED	EACH	1	1								
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	6	6								
	60602800	CONCRETE GUTTER, TYPE B	FOOT	246		94	152						
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,279	1,279								
	61000050	CONCRETE THRUST BLOCKS	EACH	2	2								
	61000115	TYPE E INLET BOX, STANDARD 610001	EACH	2	2								
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	537.5	537.5								
*	63200310	GUARDRAIL REMOVAL	FOOT	533	533								

\* DENOTES SPECIALTY ITEM      % 0042



USER NAME = ken.may  
 DESIGNED - JN  
 DRAWN - JN  
 PLDT SCALE = 2,0000' / 1" =  
 PLDT DATE = 2/8/2021

DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	11
CONTRACT NO. 61G74			ILLINOIS FED. AID PROJECT	

FILE NAME = p:\aecom-ne-pv-bentl\egm\mecon\DE28-No. 281\Documents\253639793-Forast-Reserve-District\922-CAD GIS\918-CAD\911\FPD\_253639793\_VeteransTrail\111\26-Drawings\General\SHF-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%		
					BICYCLE TRAIL 0028	TUNNEL 0028	TUNNEL 0028	RETAINING WALL 0028	RETAINING WALL 0028	BOX CULVERT 0028	BOX CULVERT 0028	TRAFFIC SIGNALS 0028	
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN	
	66201120	CONCRETE SHOULDER CURB	FOOT	261	261								
	66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	18	18								
*	Y 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,673	1,673								
*	Y 66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8								
*	Y 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1								
*	Y 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1								
*	Y 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10								
	Y 67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	12	12								
	67100100	MOBILIZATION	L SUM	1	1								
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1								
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1								
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1								
*	72000100	SIGN PANEL - TYPE 1	SQ FT	177	177								
*	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3								

\* DENOTES SPECIALTY ITEM      % 0042



USER NAME = ken.umay	DESIGNED - JN	REVISED -
PLDT SCALE = 2,0000 1/ 1 in.	DRAWN - JN	REVISED -
PLDT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SUMMARY OF QUANTITIES**

SCALE:      SHEET 8 OF 13 SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	12
CONTRACT NO. 61G74				
(ILLINOIS) FED. AID PROJECT				

FILE NAME = p:\aecom\ra-pw\bernt\g\m\MECOM\_DS22\_ML\_2019\Documents\25385953-Forrest\_Prairie-District\98-CAD\_GIS\918\_CAD\_GIS\918\_CAD\_GIS\11\FPD\_25385953\_VeteransTrail\Drawings\General\SHI-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%			
					BICYCLE TRAIL 0028	TUNNEL 0028	TUNNEL 0028	RETAINING WALL 0028	RETAINING WALL 0028	BOX CULVERT 0028	BOX CULVERT 0028	TRAFFIC SIGNALS 0028		
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN		
*	72500300	OBJECT MARKER - TYPE 3	EACH	8	8									
*	72501100	TERMINAL MARKER - POST MOUNTED	EACH	8	8									
*	72900100	METAL POST - TYPE A	FOOT	317	317									
*	72900200	METAL POST - TYPE B	FOOT	336	336									
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,247	2,247									
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	442	442									
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	718	718									
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	77	77									
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	17,622	17,622									
*	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	59	59									
*	78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	30	30									
*	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	81	81									
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1,548	1,548									
*	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	27	27									

\* DENOTES SPECIALTY ITEM % 0042



USER NAME = kanjmoj	DESIGNED - JN	REVISED -
PLDT SCALE = 2,0000' / 1" =	DRAWN - JN	REVISED -
PLDT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SUMMARY OF QUANTITIES**

SCALE: SHEET 9 OF 13 SHEETS STA. TO STA.

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	13
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\aecom\m\p\bernt1\gdm\AECOM\_05220\_ML\_2015\Documents\265369593-Forcast\_Preserve\District\988-CAD\_GIS\918\_CAD\VA11\FPD\_265369593\_Veterans Trail\Ph2\Drawings\General\SHF-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%
					BICYCLE TRAIL	TUNNEL	TUNNEL	RETAINING WALL	RETAINING WALL	BOX CULVERT	BOX CULVERT	TRAFFIC SIGNALS	
					0028	0028	0028	0028	0028	0028	0028	0028	
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN	
*	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	44	44								
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4	4								
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	19									19
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	463									463
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	463									463
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	26									26
*	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1									1
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4									4
*	87900200	DRILL EXISTING HANDHOLE	EACH	1									1
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2									2
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	2									2
Y	Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	185	185								
Y	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	2,750	2,750								
Y	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1								

\* DENOTES SPECIALTY ITEM      % 0042



USER NAME = ken.may  
 DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021  
 REVISIONS:  
 REVISIONS:  
 REVISIONS:

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 SUMMARY OF QUANTITIES

SCALE: SHEET 10 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	14
CONTRACT NO. 61G74			ILLINOIS FED. AID PROJECT	

FILE NAME = p:\aecom\mo-pw\barnt1\gpc\ma\AECOM\_0520\_0A\_2015\Documents\25359593-Forinst\_Preserve\District\908-CAD\_GIS\910-CAD\VI\FPD\_25359593\_VeteransTrail\Fig2\Drawings\General\SHR-500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%			
					BICYCLE TRAIL 0028	TUNNEL 0028	TUNNEL 0028	RETAINING WALL 0028	RETAINING WALL 0028	BOX CULVERT 0028	BOX CULVERT 0028	TRAFFIC SIGNALS 0028		
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN		
Y	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	477	476									1
*	Y	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1									1
Y	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,190		285	429	180	296					
*	Y	Z0055800	RUSTIC RAIL FENCE	FOOT	860	860								
%	Y	Z0076600	TRAINEES	HOUR	500	500								
%	Y	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500								
Y	X0320015	MAINTENANCE OF TRAFFIC (ILLINOIS TOLLWAY)	L SUM	1	1									
Y	X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	1	1									
Y	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	4	4									
Y	X0323586	PIPE DRAIN REMOVAL	FOOT	183	183									
Y	X0327902	MAILBOX REMOVE AND REPLACE	EACH	1	1									
Y	X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	758		252	407			42	57			
*	Y	X1900003	SEEDING, CLASS 5B (MODIFIED)	ACRE	0.75	0.75								
Y	X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	1,471	1,471									

\* DENOTES SPECIALTY ITEM % 0042



USER NAME = ken.may	DESIGNED - JN	REVISED -
PLLOT SCALE = 2.0000' / 1" =	DRAWN - JN	REVISED -
PLLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
SUMMARY OF QUANTITIES

SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	15
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%		
					BICYCLE TRAIL	TUNNEL	TUNNEL	RETAINING WALL	RETAINING WALL	BOX CULVERT	BOX CULVERT	TRAFFIC SIGNALS	
					0028	0028	0028	0028	0028	0028	0028	0028	
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN	
Y	X2111100	TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL	CU YD	7,334	7,334								
* Y	X2500930	SEEDING, CLASS 1B (MODIFIED)	ACRE	3.00	3.00								
* Y	X2501750	SEEDING, CLASS 4 (SPECIAL)	ACRE	5.00	5.00								
* Y	X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	5.00	5.00								
* Y	X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.75	0.75								
* Y	X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	627	627								
* Y	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	41,158	41,158								
Y	X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	80	80								
Y	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	90	90								
Y	X5020200	STRUCTURE EXCAVATION (SPECIAL)	CU YD	1,200				476	724				
Y	X6015000	REMOVE CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1								
Y	X6050700	REMOVE INLET BOX	EACH	2	2								
* Y	X6640302	CHAIN LINK FENCE REMOVAL (SPECIAL)	FOOT	10,015	10,015								
Y	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1								

\* DENOTES SPECIALTY ITEM % 0042

FILE NAME = p:\aecom\renewable\Documents\25369593\Forest\_Preserve\_District\98-C40\_CIS\9102\_CAD\M1\FPO\_25369593\_Veterans Trail Drawings\General\SHF-500.dgn



USER NAME = ken.may	DESIGNED - JN	REVISED -
PLLOT SCALE = 2.0000' / in.	DRAWN - JN	REVISED -
PLLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SUMMARY OF QUANTITIES**

SCALE: SHEET 12 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	16
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				



FILE NAME = p:\aecom\repro\bernt\gdp\aed\AECOM\_DS20\_ILA\_2019\Documents\26369593\Forest\_Preserve\District\900-CAD\_GIS\918\_CAD\W11\FPD\_26369593\_VeteransTrail\PH2\Drawings\General\500.dgn

SP REQ.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
					FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%	FEDERAL 80% LOCAL 20%		
					BICYCLE TRAIL	TUNNEL	TUNNEL	RETAINING WALL	RETAINING WALL	BOX CULVERT	BOX CULVERT	TRAFFIC SIGNALS	
					0028	0028	0028	0028	0028	0028	0028		
					URBAN	099-9934	099-9935	RETAINING WALL 1	RETAINING WALL 2	099-9946	CULVERT 2	URBAN	
*	Y	XX009436	RIGHT-OF-WAY FENCE, TYPE 1, 6'	FOOT	9,400	9,400							
*	Y	XX009437	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	47	47							
*	Y	XX009438	PULL POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	10	10							
*	Y	XX009439	END POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	8	8							
*	Y	XX009440	PEDESTRIAN GATE, RIGHT-OF-WAY FENCE, TYPE 1	EACH	2	2							
*	Y	XX009441	SINGLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1	EACH	5	5							
	Y	XX009462	EMBANKMENT MODIFICATION	SQ YD	4,870	4,870							
	Y	XX009463	EARTHWORK CONSTRUCTION PLAN	L SUM	1	1							
	Y	XX009464	EARTHWORK FINAL CONSTRUCTION REPORT	L SUM	1	1							
	Y	XX009465	THREE-SIDED PRECAST CONCRETE STRUCTURES (SPECIAL) 14FT	FOOT	246		94	152					

\* DENOTES SPECIALTY ITEM      % 0042



USER NAME = ken.may  
 DESIGNED - JN  
 DRAWN - JN  
 PLLOT SCALE = 2.0000' / 1" = 20.0000'  
 CHECKED - KLM  
 PLLOT DATE = 4/28/2021  
 DATE - 2/09/2021  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

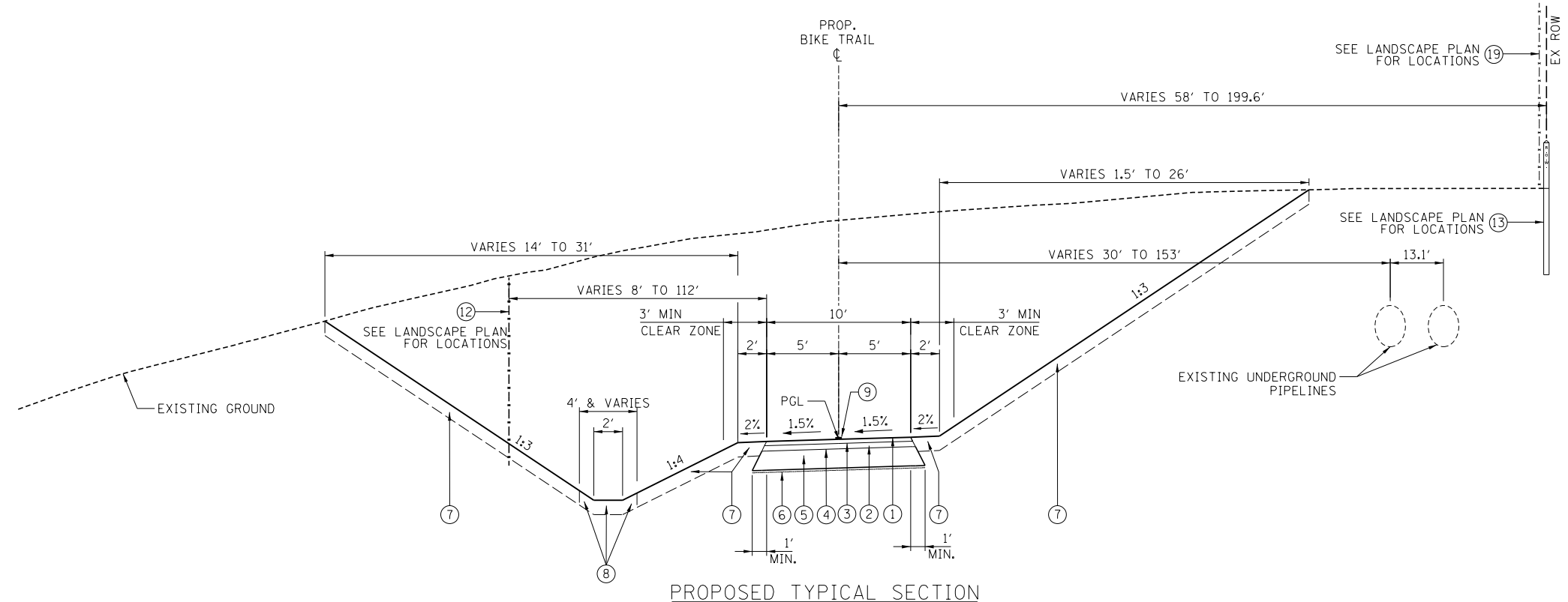
VETERANS MEMORIAL TRAIL  
 SUMMARY OF QUANTITIES

SCALE: SHEET 13 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	17
CONTRACT NO. 61G74			ILLINOIS FED. AID PROJECT	

**LEGEND :**

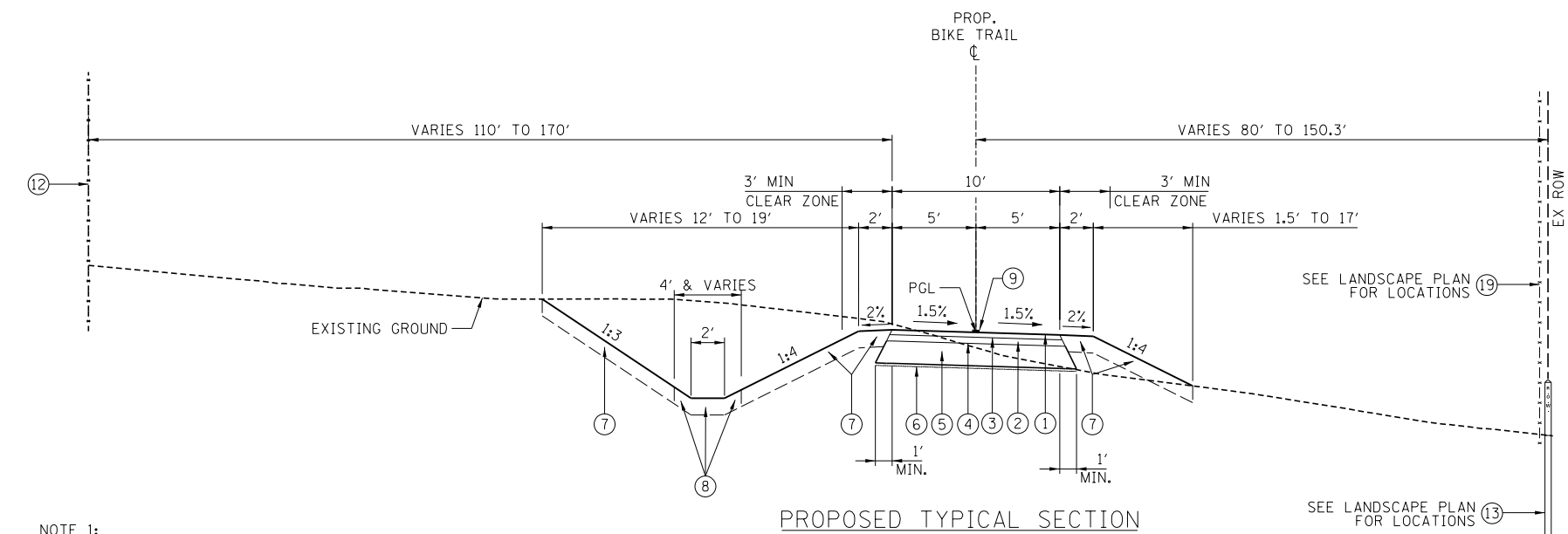
- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4" MIN.
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" MIN.
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ BITUMINOUS MATERIALS (PRIME COAT)
- ⑤ AGGREGATE BASE COURSE, TYPE B, 8"
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4 (SPECIAL) & CLASS 5 (MODIFIED) OR SEEDING, CLASS 1B (MODIFIED)
- ⑧ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4B (MODIFIED) & CLASS 5B (MODIFIED) OR SEEDING, CLASS 4B (ALONG DITCH BOTTOM & LOWER SIDE SLOPE FLARES)
- ⑨ PAINT PAVEMENT MARKING, 4" YELLOW
- ⑩ M.S.E. RETAINING WALL
- ⑪ BICYCLE RAILING
- ⑫ RIGHT-OF-WAY FENCE, TYPE 1, 6"
- ⑬ FURNISHING AND ERECTING RIGHT OF WAY MARKERS
- ⑭ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑮ PORTLAND CEMENT CONCRETE SHOULDERS 9"
- ⑯ SUBBASE GRANULAR MATERIAL, TYPE C 4"
- ⑰ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑱ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑲ REMOVE AND SALVAGE ROW FENCE (ALONG TOLLWAY ROW/PROPERTY)



**PROPOSED TYPICAL SECTION**

(LOOKING NORTH)

STA. 90+17.63 TO STA. 98+00.00



**PROPOSED TYPICAL SECTION**

(LOOKING NORTH)

STA. 98+00.00 TO STA. 103+00.00

CROSS SLOPE TRANSITION:  
(20' TRANSITIONS TO 0% CROSS SLOPE, TYP)  
STA. 100+00.00 TO STA 100+40.00

**NOTE 1:**

WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF SUCH UNSUITABLE MATERIAL TO A DEPTH 12" BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12" OF AGGREGATE SUBGRADE IMPROVEMENT AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

**NOTE 2:**

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

**NOTE 3:**

AT ALL INTERSECTIONS OF BIKE PATH AND ROADWAYS, DEPRESS THE CURB (IF APPLICABLE) AND MAINTAIN EXISTING PAVEMENT ELEVATIONS. REMOVAL OF EXISTING CURB & GUTTER AND REPLACEMENT WITH DEPRESSED CURB SHALL BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL (SPECIAL).

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

ITEM	VOIDS	USAGE
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1 3/4"	4% @ 50 GYR	BIKE PATH
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/4"	4% @ 50 GYR	BIKE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1 1/2"	4% @ 50 GYR	SALEM LANE & 163RD ST PAVEMENT RESURFACING
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 1 1/2"	4% @ 50 GYR	SALEM LANE & 163RD ST PAVEMENT RESURFACING
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"	4% @ 50 GYR	DRIVEWAYS
HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19.0)	4% @ 50 GYR	DRIVEWAYS
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1 1/2"	4% @ 50 GYR	BRUCE ROAD RECONSTRUCTION
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/4"	4% @ 50 GYR	BRUCE ROAD RECONSTRUCTION
HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19.0)	4% @ 50 GYR	BRUCE ROAD RECONSTRUCTION
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"	4% @ 50 GYR	167TH STREET RECONSTRUCTION
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6 3/4"	4% @ 50 GYR	167TH STREET RECONSTRUCTION
HOT-MIX ASPHALT SHOULDER 8" = HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50; 2"	4% @ 50 GYR	GOUGAR ROAD SHOULDER CONSTRUCTION
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6"	4% @ 50 GYR	GOUGAR ROAD SHOULDER CONSTRUCTION
HOT-MIX SHOULDER 6" = HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50; 2"	4% @ 50 GYR	BRUCE ROAD RECONSTRUCTION
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 GYR	167TH STREET RECONSTRUCTION

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURES IS 112 LBS/SQYD/IN.

THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

FILE NAME = p:\aecom-no-pw-bentl\edf\m\2019\Documents\25369593-Forest-Reserve-District\900-CAD\GIS\910-CAD\WillFPD\_25369593\_VeteransTrail\Ph2-Drawings\Typical\_Sections\TypSec\_01.dgn



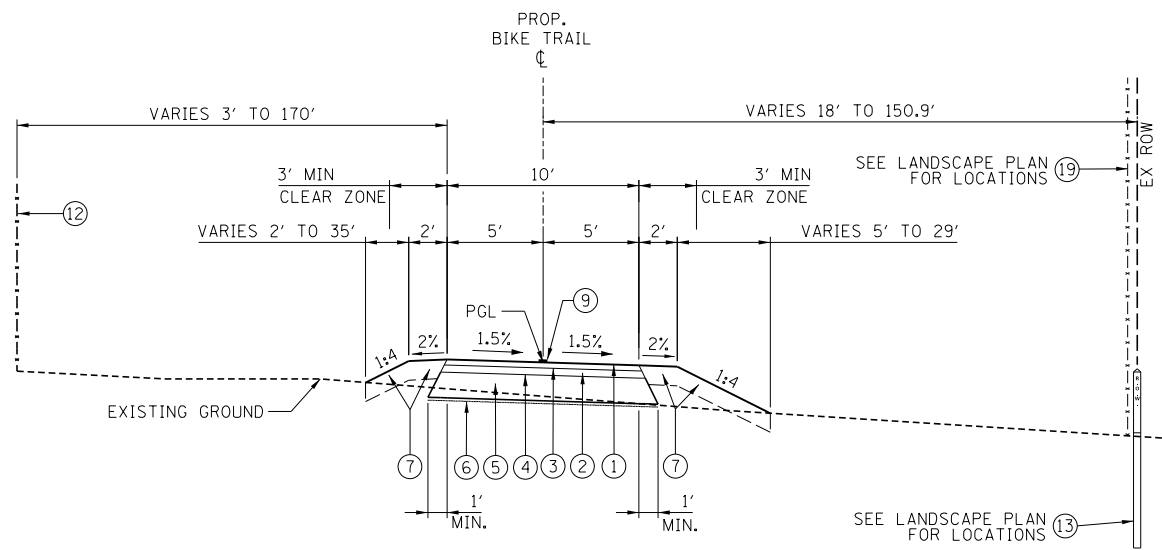
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	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
PROPOSED TYPICAL SECTIONS**

SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	18
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION

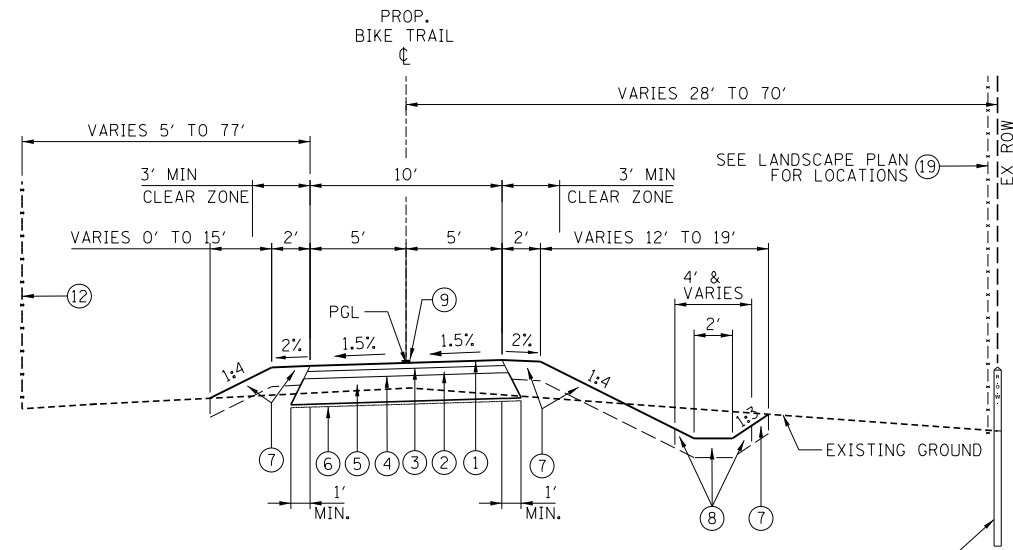
(LOOKING NORTH)  
 STA. 103+00.00 TO STA. 113+00.00  
 STA. 121+00.00 TO STA. 124+00.00  
 STA. 128+00.00 TO STA. 135+96.45  
 STA. 136+90.45 TO STA. 147+00.00  
 STA. 151+00.00 TO STA. 158+99.87  
 STA. 217+00.00 TO STA. 219+46.33  
 STA. 220+98.33 TO STA. 226+00.00

OMISSIONS:  
 BRUCE RD PEDESTRIAN TUNNEL  
 STA. 135+96.45 TO STA. 136+90.45

DOUBLE BOX CULVERT  
 STA. 158+99.87 TO STA. 159+17.87  
 STA. 204+58.94 TO STA. 204+79.14

167TH ST PEDESTRIAN TUNNEL  
 STA. 219+46.33 TO STA. 220+98.33

CROSS SLOPE TRANSITIONS:  
 (20' TRANSITIONS TO 0% CROSS SLOPE, TYP)  
 STA. 106+00.00 TO STA. 106+40.00  
 STA. 121+00.00 TO STA. 121+40.00  
 STA. 127+00.00 TO STA. 127+40.00  
 STA. 130+00.00 TO STA. 130+40.00  
 STA. 154+00.00 TO STA. 154+40.00



PROPOSED TYPICAL SECTION

(LOOKING NORTH)  
 STA. 113+00.00 TO STA. 121+00.00  
 STA. 124+00.00 TO STA. 128+00.00  
 STA. 147+00.00 TO STA. 151+00.00  
 STA. 242+00.00 TO STA. 244+20.00  
 (LOOKING WEST)  
 STA. 203+00.00 TO STA. 217+00.00

CROSS SLOPE TRANSITIONS:  
 (20' TRANSITION TO 0% CROSS SLOPE)  
 STA. 116+00.00 TO STA. 116+40.00  
 STA. 117+00.00 TO STA. 117+40.00  
 STA. 124+00.00 TO STA. 124+40.00

LEGEND:

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4" MIN.
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" MIN.
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ BITUMINOUS MATERIALS (PRIME COAT)
- ⑤ AGGREGATE BASE COURSE, TYPE B, 8"
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4 (SPECIAL) & CLASS 5 (MODIFIED) OR SEEDING, CLASS 1B (MODIFIED)
- ⑧ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4B (MODIFIED) & CLASS 5B (MODIFIED) OR SEEDING, CLASS 4B (ALONG DITCH BOTTOM & LOWER SIDE SLOPE FLARES)
- ⑨ PAINT PAVEMENT MARKING, 4" YELLOW
- ⑩ M.S.E. RETAINING WALL
- ⑪ BICYCLE RAILING
- ⑫ RIGHT-OF-WAY FENCE, TYPE 1, 6'
- ⑬ FURNISHING AND ERECTING RIGHT OF WAY MARKERS
- ⑭ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑮ PORTLAND CEMENT CONCRETE SHOULDERS 9"
- ⑯ SUBBASE GRANULAR MATERIAL, TYPE C 4"
- ⑰ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑱ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑲ REMOVE AND SALVAGE ROW FENCE (ALONG TOLLWAY ROW/PROPERTY)

NOTE 1:

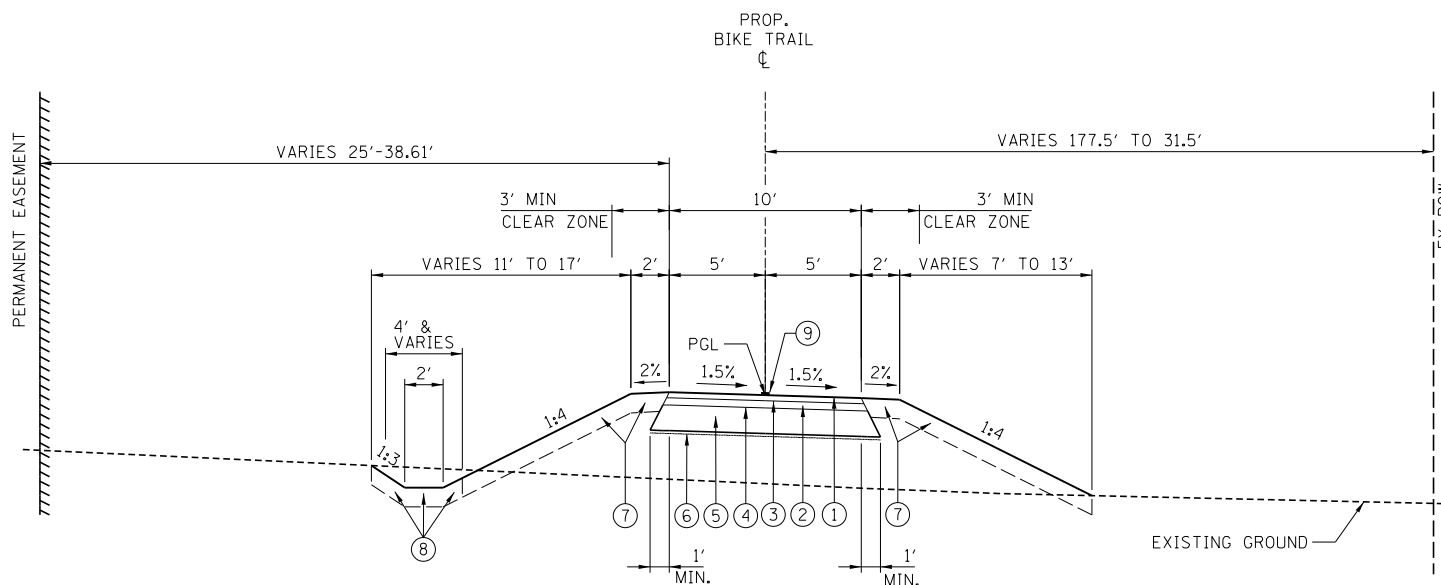
WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF SUCH UNSUITABLE MATERIAL TO A DEPTH 12" BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12" OF AGGREGATE SUBGRADE IMPROVEMENT AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

NOTE 2:

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

NOTE 3:

AT ALL INTERSECTIONS OF BIKE PATH AND ROADWAYS, DEPRESS THE CURB (IF APPLICABLE) AND MAINTAIN EXISTING PAVEMENT ELEVATIONS. REMOVAL OF EXISTING CURB & GUTTER AND REPLACEMENT WITH DEPRESSED CURB SHALL BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL (SPECIAL).



PROPOSED TYPICAL SECTION

(LOOKING EAST & NORTH)  
 STA. 159+19.51 TO 167+00.00

FILE NAME = p:\aecom-no-pw-bentl\edf\m\m\2019\Documents\25369593-Forest-Reserve-District\900-CAD\GIS\910-CAD\WillFPD\_25369593\_VeteransTrail\Ph2-Drawings\Typical\_Sections\TypSec\_02.dgn



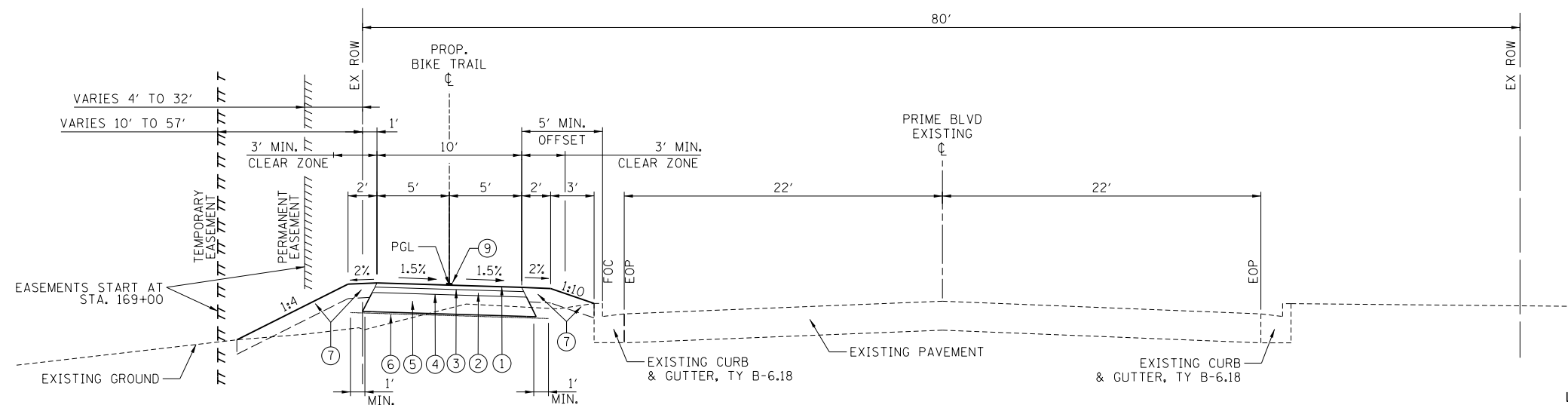
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PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 PROPOSED TYPICAL SECTIONS

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	19
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

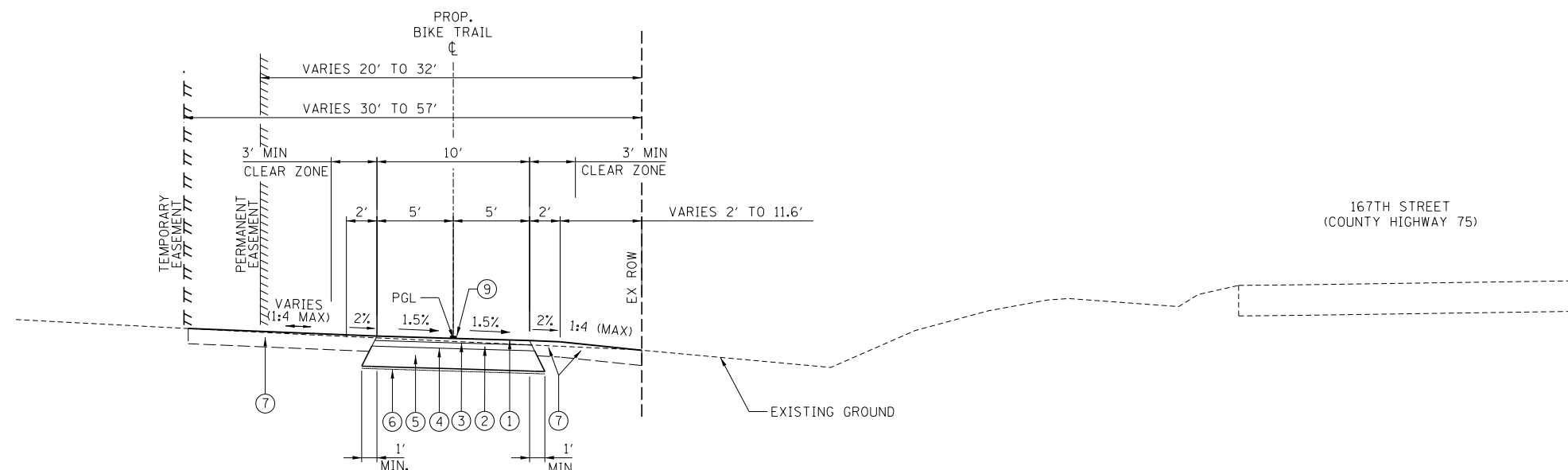


**PROPOSED TYPICAL SECTION ALONG PRIME BLVD**

(LOOKING NORTH)  
STA. 167+00.00 TO STA. 199+00.00

SIDEWALK LOCATIONS (NOTE 4):  
 STA. 170+54.11 TO STA. 170+68.75  
 STA. 170+94.78 TO STA. 171+22.63  
 STA. 172+13.50 TO STA. 172+42.11  
 STA. 172+71.08 TO STA. 172+96.96  
 STA. 174+82.98 TO STA. 174+97.48  
 STA. 175+22.38 TO STA. 175+36.66  
 STA. 178+86.43 TO STA. 179+17.49  
 STA. 179+79.02 TO STA. 180+10.07  
 STA. 191+07.11 TO STA. 191+57.87  
 STA. 191+88.80 TO STA. 192+19.91

CROSS SLOPE TRANSITIONS:  
 (20' TRANSITIONS TO 0% CROSS SLOPE, TYP)  
 STA. 180+00.00 TO STA. 180+40.00  
 STA. 184+00.00 TO STA. 184+40.00  
 STA. 187+00.00 TO STA. 187+40.00  
 STA. 190+00.00 TO STA. 190+40.00



**PROPOSED TYPICAL SECTION**

(LOOKING WEST)  
STA. 199+00.00 TO STA. 203+00.00  
 CROSS SLOPE TRANSITION:  
 (20' TRANSITIONS TO 0% CROSS SLOPE, TYP)  
 STA. 202+60.00 TO STA. 203+00.00

**LEGEND:**

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4" MIN.
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" MIN.
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ BITUMINOUS MATERIALS (PRIME COAT)
- ⑤ AGGREGATE BASE COURSE, TYPE B, 8"
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4 (SPECIAL) & CLASS 5 (MODIFIED) OR SEEDING, CLASS 1B (MODIFIED)
- ⑧ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4B (MODIFIED) & CLASS 5B (MODIFIED) OR SEEDING, CLASS 4B (ALONG DITCH BOTTOM & LOWER SIDE SLOPE FLARES)
- ⑨ PAINT PAVEMENT MARKING, 4" YELLOW
- ⑩ M.S.E. RETAINING WALL
- ⑪ BICYCLE RAILING
- ⑫ RIGHT-OF-WAY FENCE, TYPE 1, 6"
- ⑬ FURNISHING AND ERECTING RIGHT OF WAY MARKERS
- ⑭ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑮ PORTLAND CEMENT CONCRETE SHOULDERS 9"
- ⑯ SUBBASE GRANULAR MATERIAL, TYPE C 4"
- ⑰ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑱ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑲ REMOVE AND SALVAGE ROW FENCE (ALONG TOLLWAY ROW/PROPERTY)

**NOTE 1:**

WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF SUCH UNSUITABLE MATERIAL TO A DEPTH 12" BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12" OF AGGREGATE SUBGRADE IMPROVEMENT AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

**NOTE 2:**

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

**NOTE 3:**

AT ALL INTERSECTIONS OF BIKE PATH AND ROADWAYS, DEPRESS THE CURB (IF APPLICABLE) AND MAINTAIN EXISTING PAVEMENT ELEVATIONS. REMOVAL OF EXISTING CURB & GUTTER AND REPLACEMENT WITH DEPRESSED CURB SHALL BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL (SPECIAL).

**NOTE 4:**

SEE PCC SIDEWALK AND ADA DETAILS, SHEETS 60 TO 69.

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USER NAME = ken.moy  
 PLOT SCALE = 100.0000' / 1" = 11"  
 PLOT DATE = 2/8/2021

DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021

REVISED -  
 REVISED -  
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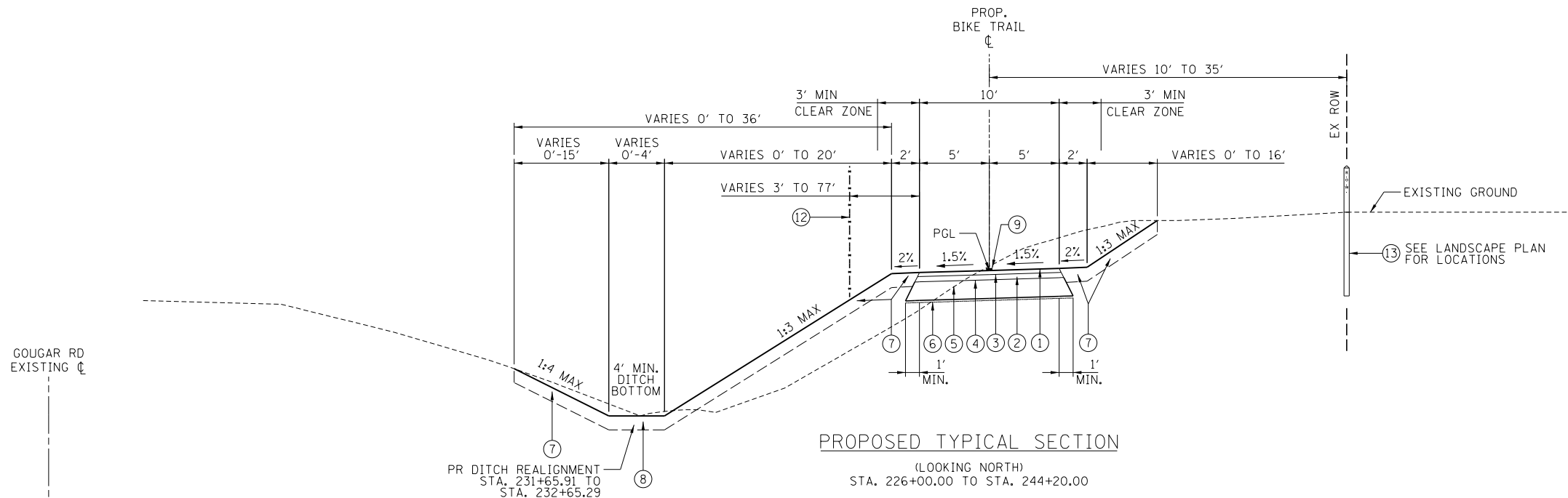
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 PROPOSED TYPICAL SECTIONS**

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	20
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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PROPOSED TYPICAL SECTION

(LOOKING NORTH)  
STA. 226+00.00 TO STA. 244+20.00

LEGEND:

- 1 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4" MIN.
- 2 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" MIN.
- 3 BITUMINOUS MATERIALS (TACK COAT)
- 4 BITUMINOUS MATERIALS (PRIME COAT)
- 5 AGGREGATE BASE COURSE, TYPE B, 8"
- 6 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 7 TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4 (SPECIAL) & CLASS 5 (MODIFIED) OR SEEDING, CLASS 1B (MODIFIED)
- 8 TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4B (MODIFIED) & CLASS 5B (MODIFIED) OR SEEDING, CLASS 4B (ALONG DITCH BOTTOM & LOWER SIDE SLOPE FLARES)
- 9 PAINT PAVEMENT MARKING, 4" YELLOW
- 10 M.S.E. RETAINING WALL
- 11 BICYCLE RAILING
- 12 RIGHT-OF-WAY FENCE, TYPE 1, 6"
- 13 FURNISHING AND ERECTING RIGHT OF WAY MARKERS
- 14 HOT-MIX ASPHALT SHOULDERS, 8"
- 15 PORTLAND CEMENT CONCRETE SHOULDERS 9"
- 16 SUBBASE GRANULAR MATERIAL, TYPE C 4"
- 17 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 18 AGGREGATE BASE COURSE, TYPE B, 4"
- 19 REMOVE AND SALVAGE ROW FENCE (ALONG TOLLWAY ROW/PROPERTY)

NOTE 1:

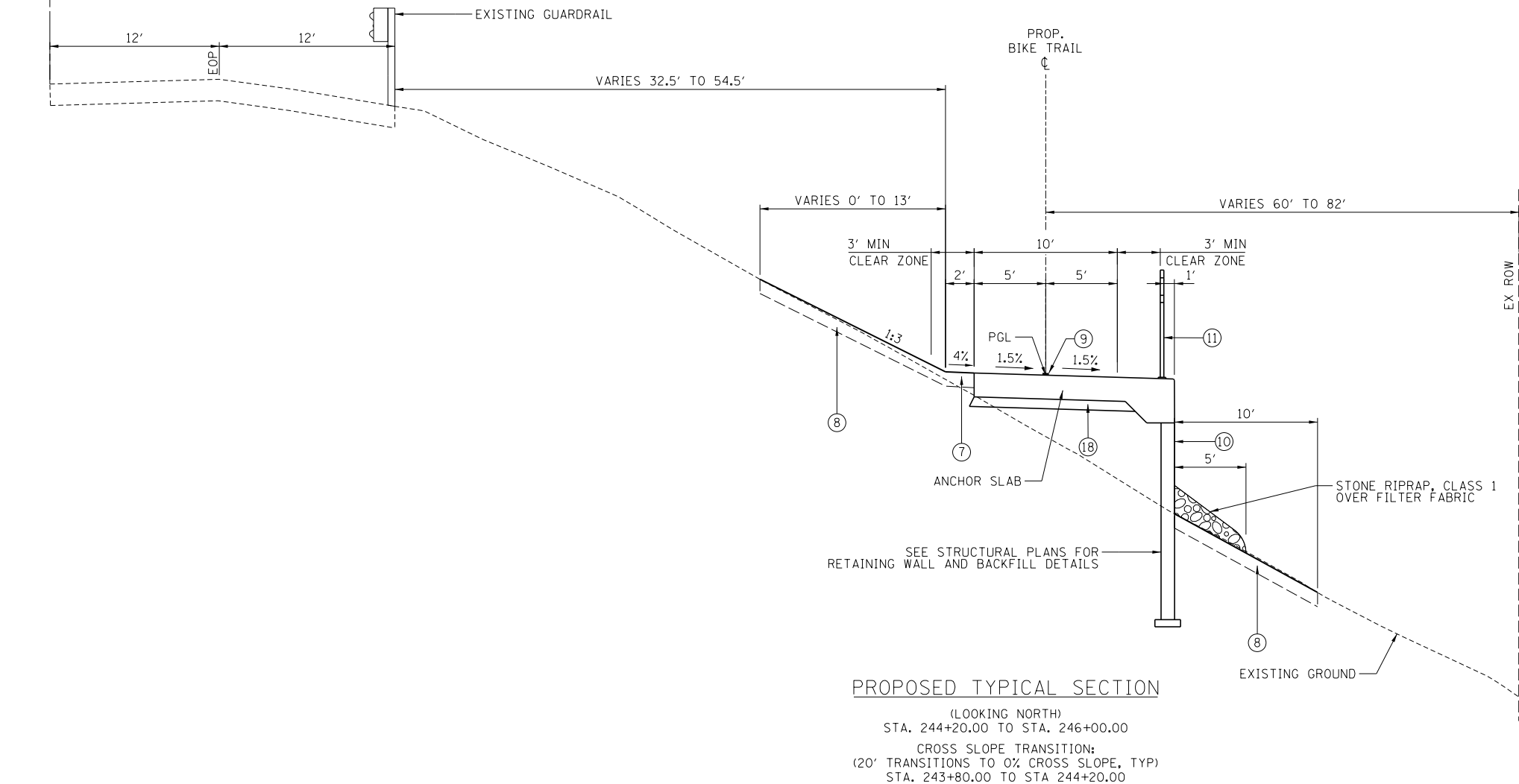
WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF SUCH UNSUITABLE MATERIAL TO A DEPTH 12" BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12" OF AGGREGATE SUBGRADE IMPROVEMENT AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

NOTE 2:

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

NOTE 3:

AT ALL INTERSECTIONS OF BIKE PATH AND ROADWAYS, DEPRESS THE CURB (IF APPLICABLE) AND MAINTAIN EXISTING PAVEMENT ELEVATIONS. REMOVAL OF EXISTING CURB & GUTTER AND REPLACEMENT WITH DEPRESSED CURB SHALL BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL (SPECIAL).



PROPOSED TYPICAL SECTION

(LOOKING NORTH)  
STA. 244+20.00 TO STA. 246+00.00  
CROSS SLOPE TRANSITION:  
(20' TRANSITIONS TO 0% CROSS SLOPE, TYP)  
STA. 243+80.00 TO STA 244+20.00



USER NAME = ken.moy
PLOT SCALE = 100.0000' / 1"
PLOT DATE = 2/8/2021

DESIGNED - JN	REVISED -
DRAWN - JN	REVISED -
CHECKED - KLM	REVISED -
DATE - 2/09/2021	REVISED -

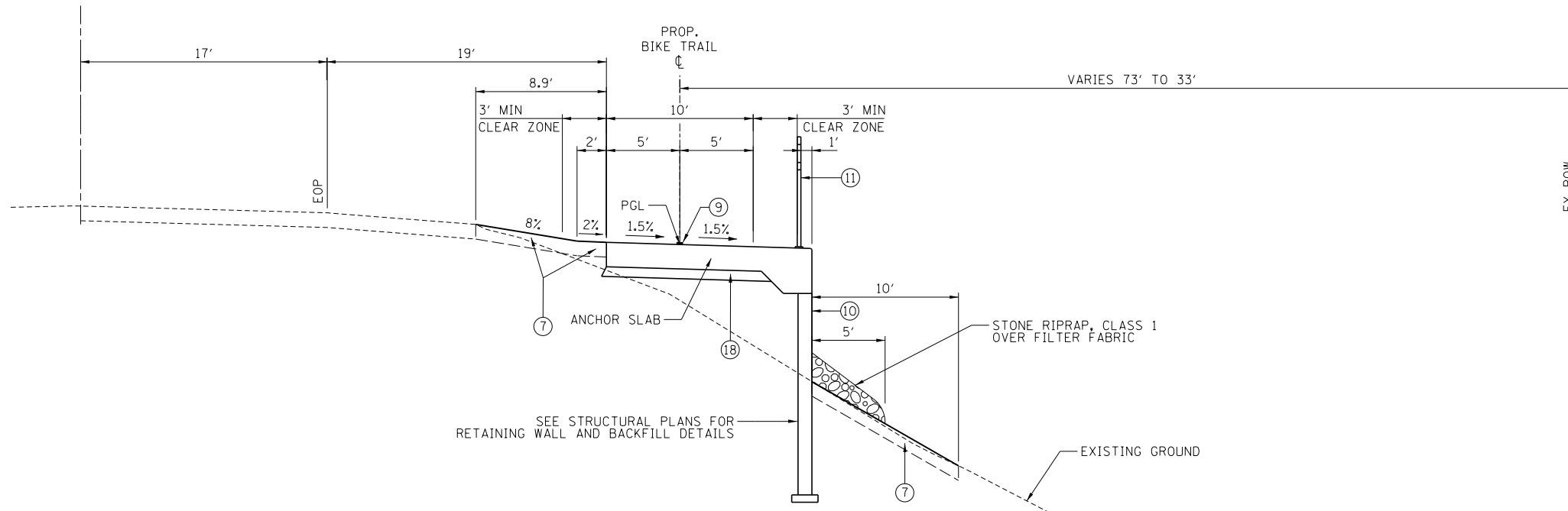
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
PROPOSED TYPICAL SECTIONS

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	21
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

GOUGAR RD  
EXISTING CL



**PROPOSED TYPICAL SECTION**

(LOOKING NORTH)  
STA. 250+24.00 TO STA. 253+20.00

**LEGEND:**

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4" MIN.
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" MIN.
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ BITUMINOUS MATERIALS (PRIME COAT)
- ⑤ AGGREGATE BASE COURSE, TYPE B, 8"
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4 (SPECIAL) & CLASS 5 (MODIFIED) OR SEEDING, CLASS 1B (MODIFIED)
- ⑧ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4B (MODIFIED) & CLASS 5B (MODIFIED) OR SEEDING, CLASS 4B (ALONG DITCH BOTTOM & LOWER SIDE SLOPE FLARES)
- ⑨ PAINT PAVEMENT MARKING, 4" YELLOW
- ⑩ M.S.E. RETAINING WALL
- ⑪ BICYCLE RAILING
- ⑫ RIGHT-OF-WAY FENCE, TYPE 1, 6'
- ⑬ FURNISHING AND ERECTING RIGHT OF WAY MARKERS
- ⑭ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑮ PORTLAND CEMENT CONCRETE SHOULDERS 9"
- ⑯ SUBBASE GRANULAR MATERIAL, TYPE C 4"
- ⑰ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑱ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑲ REMOVE AND SALVAGE ROW FENCE (ALONG TOLLWAY ROW/PROPERTY)

**NOTE 1:**

WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF SUCH UNSUITABLE MATERIAL TO A DEPTH 12" BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12" OF AGGREGATE SUBGRADE IMPROVEMENT AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

**NOTE 2:**

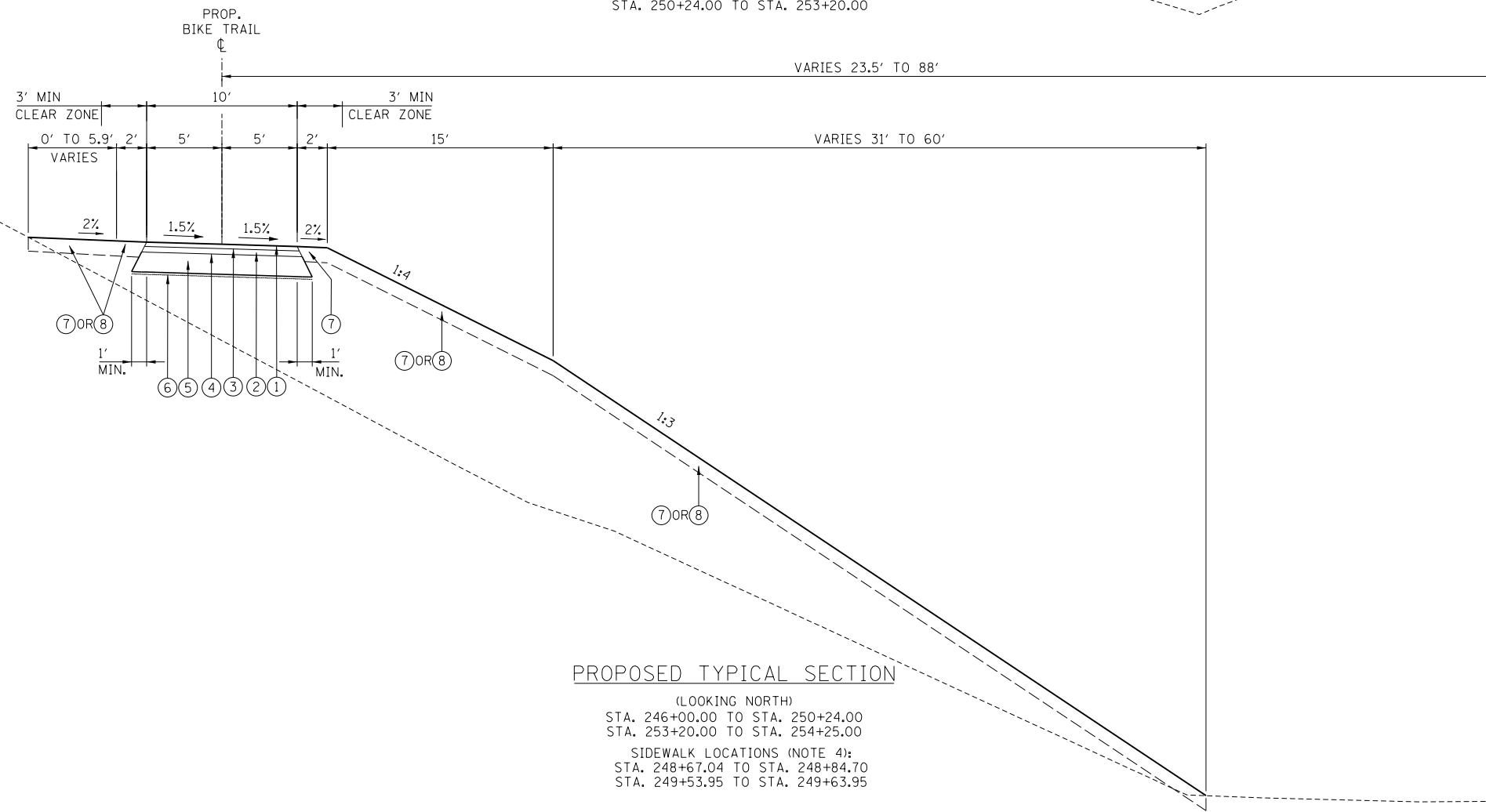
ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

**NOTE 3:**

AT ALL INTERSECTIONS OF BIKE PATH AND ROADWAYS, DEPRESS THE CURB (IF APPLICABLE) AND MAINTAIN EXISTING PAVEMENT ELEVATIONS. REMOVAL OF EXISTING CURB & GUTTER AND REPLACEMENT WITH DEPRESSED CURB SHALL BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL (SPECIAL).

**NOTE 4:**

SEE PCC SIDEWALK AND ADA DETAILS, SHEETS 60 TO 69.



**PROPOSED TYPICAL SECTION**

(LOOKING NORTH)  
STA. 246+00.00 TO STA. 250+24.00  
STA. 253+20.00 TO STA. 254+25.00  
SIDEWALK LOCATIONS (NOTE 4):  
STA. 248+67.04 TO STA. 248+84.70  
STA. 249+53.95 TO STA. 249+63.95

FILE NAME = p:\a\escom-no-pw-bentl\ed\p\am\CDL\DS20\_NA\_2019\Documents\25389993-Forest\_Preserve-District\900-CAD\GIS\10-CAD\WillFPD\_25389993\_VeteransTrail\Ph2-Drawings\Typical\_Sections\TypSec\_05.dgn



USER NAME = ken.moy  
DRAWN = JN  
CHECKED = KLM  
PLOT DATE = 2/8/2021

DESIGNED - JN  
DRAWN - JN  
CHECKED - KLM  
DATE - 2/09/2021

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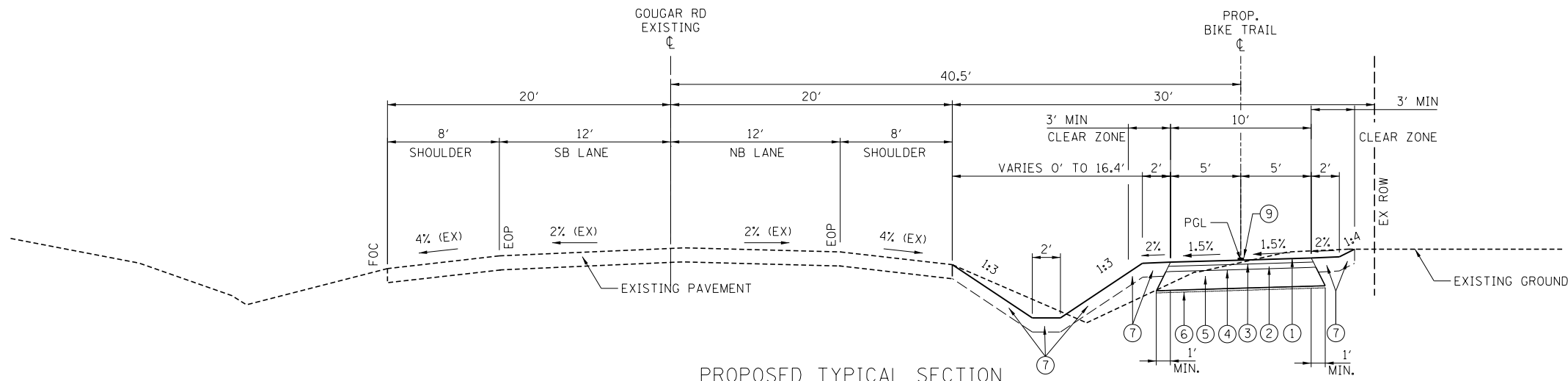
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
PROPOSED TYPICAL SECTIONS

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

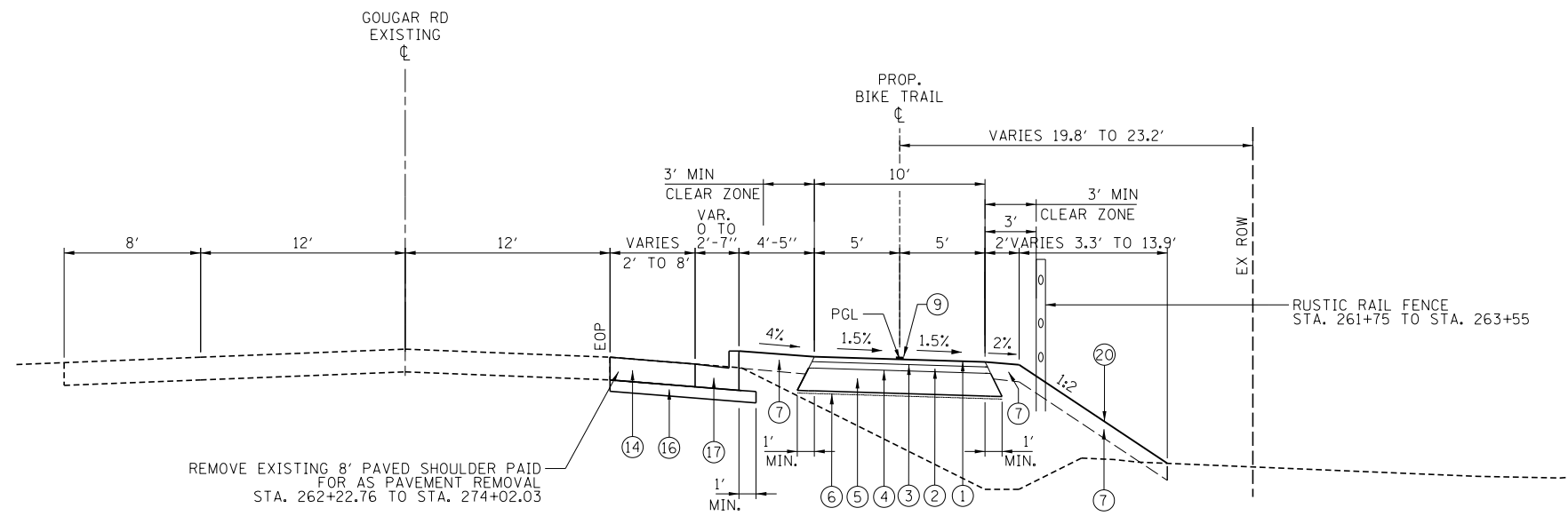
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	22
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\aecom-no-pw-bentl\gpr\am\CDM\DS20\_NA\_2019\Documents\25369593-Forrest-Preserve-District\900-CAD\GIS\910-CAD\WillFPD\_25369593\_VeteransTrail\Ph2-Drawings\Typical Sections\TypSec\_06.dgn



**PROPOSED TYPICAL SECTION**

(LOOKING NORTH)  
 STA. 255+00.00 TO STA. 262+00.00  
 SIDEWALK LOCATIONS (NOTE 4):  
 STA. 258+04.07 TO STA. 258+22.99  
 STA. 258+48.07 TO STA. 258+72.00  
 CROSS SLOPE TRANSITIONS:  
 (20' TRANSITIONS TO 0% CROSS SLOPE, TYP)  
 STA. 255+00.00 TO STA 255+40.00  
 STA. 261+80.00 TO STA 262+00.00



**PROPOSED TYPICAL SECTION**

(LOOKING NORTH)  
 STA. 262+00.00 TO STA. 263+67.00

**LEGEND :**

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4" MIN.
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" MIN.
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ BITUMINOUS MATERIALS (PRIME COAT)
- ⑤ AGGREGATE BASE COURSE, TYPE B, 8"
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT), AND SEEDING, CLASS 1B (MODIFIED)
- ⑧ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT), AND SEEDING, CLASS 4B (ALONG DITCH BOTTOM & LOWER SIDE SLOPE FLARES)
- ⑨ PAINT PAVEMENT MARKING, 4" YELLOW
- ⑩ M.S.E. RETAINING WALL
- ⑪ BICYCLE RAILING
- ⑫ RIGHT-OF-WAY FENCE, TYPE 1, 6'
- ⑬ FURNISHING AND ERECTING RIGHT OF WAY MARKERS
- ⑭ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑮ PORTLAND CEMENT CONCRETE SHOULDERS 9"
- ⑯ SUBBASE GRANULAR MATERIAL, TYPE C 4"
- ⑰ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑱ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑲ REMOVE AND SALVAGE ROW FENCE (ALONG TOLLWAY ROW/PROPERTY)
- ⑳ HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

**NOTE 1:**

WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF SUCH UNSUITABLE MATERIAL TO A DEPTH 12" BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12" OF AGGREGATE SUBGRADE IMPROVEMENT AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

**NOTE 2:**

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

**NOTE 3:**

AT ALL INTERSECTIONS OF BIKE PATH AND ROADWAYS, DEPRESS THE CURB (IF APPLICABLE) AND MAINTAIN EXISTING PAVEMENT ELEVATIONS. REMOVAL OF EXISTING CURB & GUTTER AND REPLACEMENT WITH DEPRESSED CURB SHALL BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL (SPECIAL).

**NOTE 4:**

SEE PCC SIDEWALK AND ADA DETAILS, SHEETS 60 TO 69.

**NOTE 5:**

USE HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL FOR ALL AREAS WITH 2:1 OR STEEPER SLOPES.



USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 PROPOSED TYPICAL SECTIONS**

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	23
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

**LEGEND:**

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-3/4" MIN.
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" MIN.
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ BITUMINOUS MATERIALS (PRIME COAT)
- ⑤ AGGREGATE BASE COURSE, TYPE B, 8"
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT), AND SEEDING, CLASS 1B (MODIFIED)
- ⑧ TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT), AND SEEDING, CLASS 4B (ALONG DITCH BOTTOM & LOWER SIDE SLOPE FLARES)
- ⑨ PAINT PAVEMENT MARKING, 4" YELLOW
- ⑩ M.S.E. RETAINING WALL
- ⑪ BICYCLE RAILING
- ⑫ RIGHT-OF-WAY FENCE, TYPE 1, 6'
- ⑬ FURNISHING AND ERECTING RIGHT OF WAY MARKERS
- ⑭ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑮ PORTLAND CEMENT CONCRETE SHOULDERS 9"
- ⑯ SUBBASE GRANULAR MATERIAL, TYPE C 4"
- ⑰ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑱ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑲ REMOVE AND SALVAGE ROW FENCE (ALONG TOLLWAY ROW/PROPERTY)
- ⑳ HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

**NOTE 1:**

WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF SUCH UNSUITABLE MATERIAL TO A DEPTH 12" BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12" OF AGGREGATE SUBGRADE IMPROVEMENT AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

**NOTE 2:**

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

**NOTE 3:**

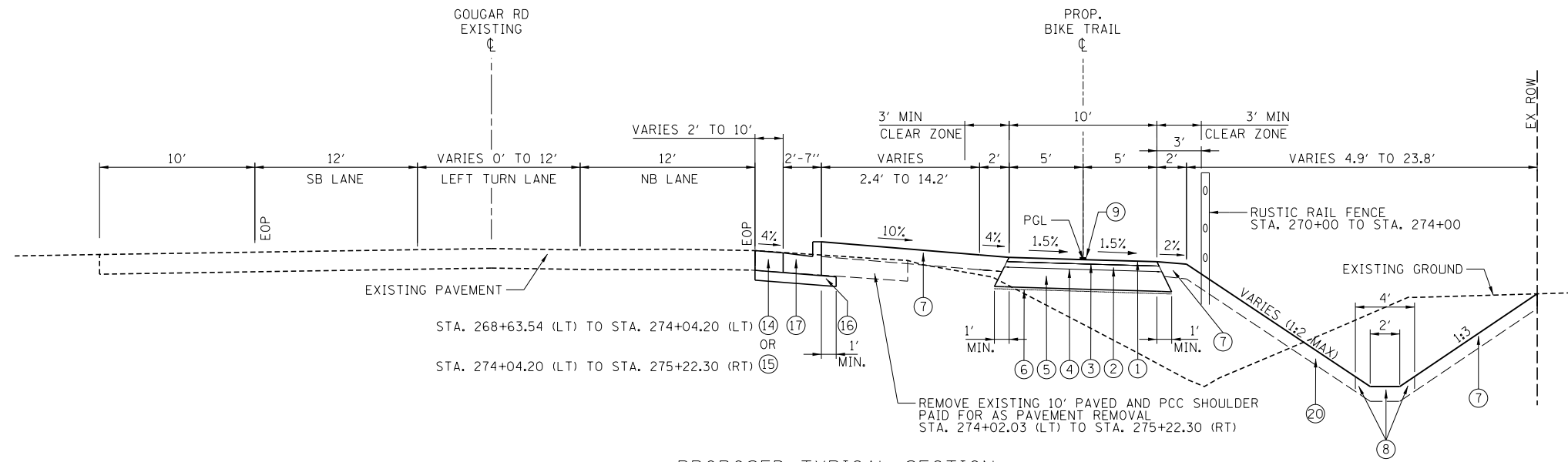
AT ALL INTERSECTIONS OF BIKE PATH AND ROADWAYS, DEPRESS THE CURB (IF APPLICABLE) AND MAINTAIN EXISTING PAVEMENT ELEVATIONS. REMOVAL OF EXISTING CURB & GUTTER AND REPLACEMENT WITH DEPRESSED CURB SHALL BE PAID FOR AS COMBINATION CURB AND GUTTER REMOVAL (SPECIAL).

**NOTE 4:**

SEE PCC SIDEWALK AND ADA DETAILS, SHEETS 60 TO 69.

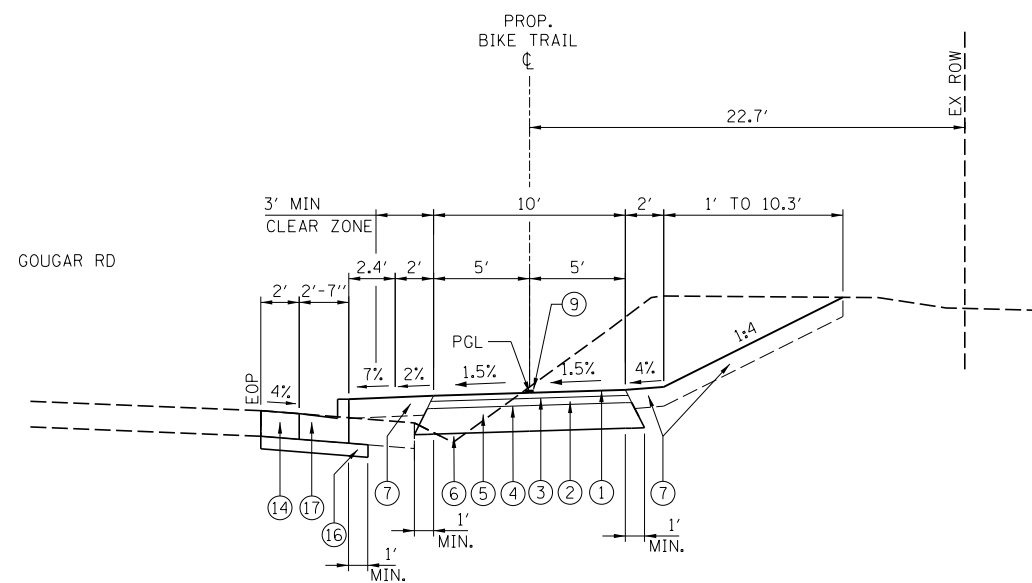
**NOTE 5:**

USE HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL FOR ALL AREAS 2:1 OR STEEPER.



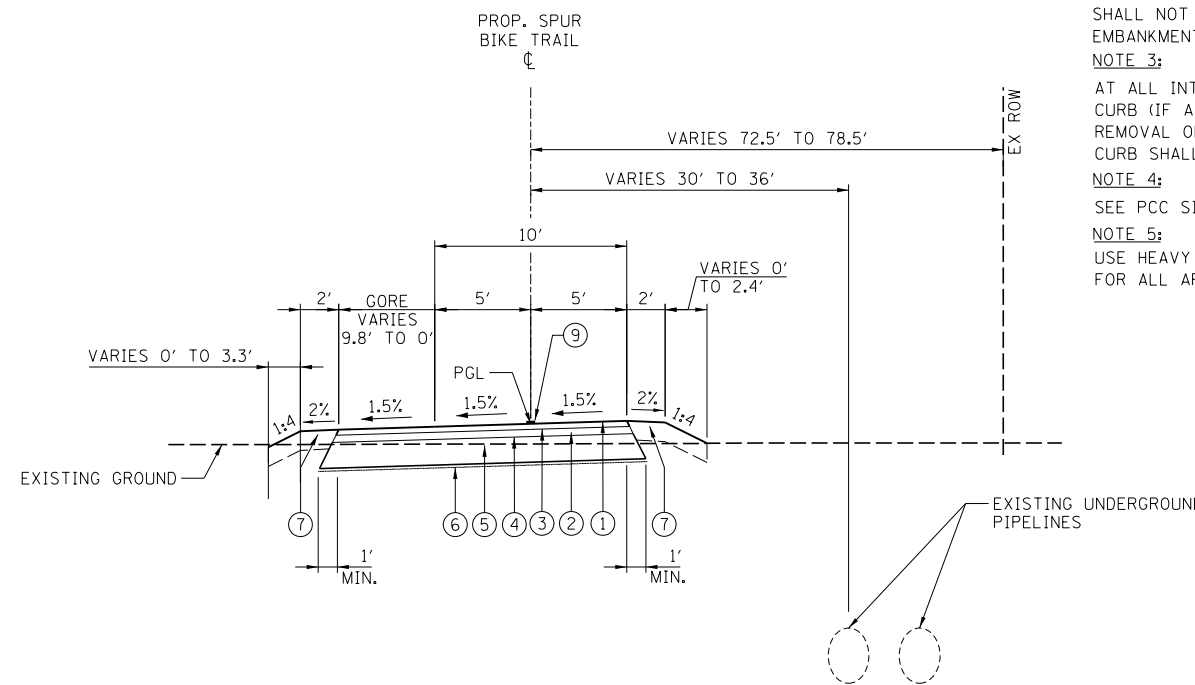
**PROPOSED TYPICAL SECTION**

(LOOKING NORTH)  
 STA. 263+67.00 TO STA. 265+00.00  
 STA. 267+50.00 TO STA. 275+17.63  
 CL IMPROVEMENT ENDS AT STA. 275+17.63  
 SIDEWALK LOCATIONS (NOTE 4):  
 STA. 274+82.52 TO STA. 275+02.18



**PROPOSED TYPICAL SECTION**

(LOOKING NORTH)  
 STA. 265+00.00 TO STA. 267+50.00



**PROPOSED SPRING CREEK SPUR TYPICAL SECTION**

(LOOKING NORTH)  
 STA. 1+05.08 TO STA. 2+28.07  
 GORE:  
 STA 1+83.23 TO STA 2+12.16

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USER NAME = ken.moy  
 DRAWN - JN  
 CHECKED - KLM  
 PLOT DATE = 2/8/2021

DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021

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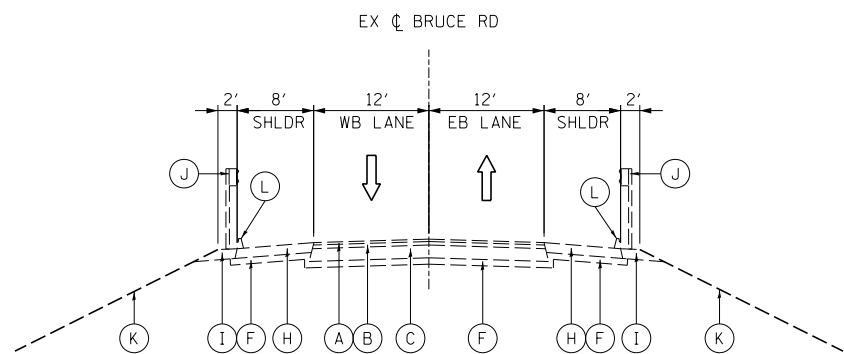
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 PROPOSED TYPICAL SECTIONS**

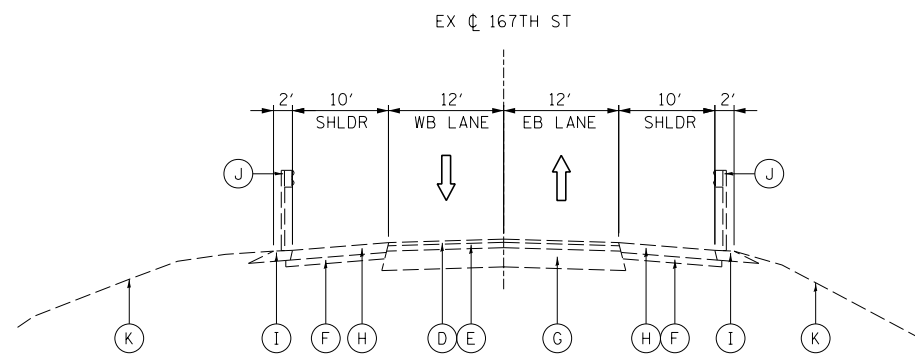
SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	24
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

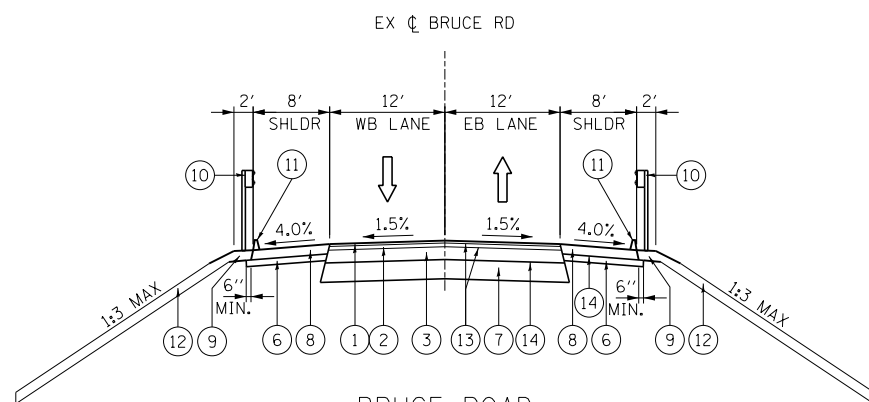




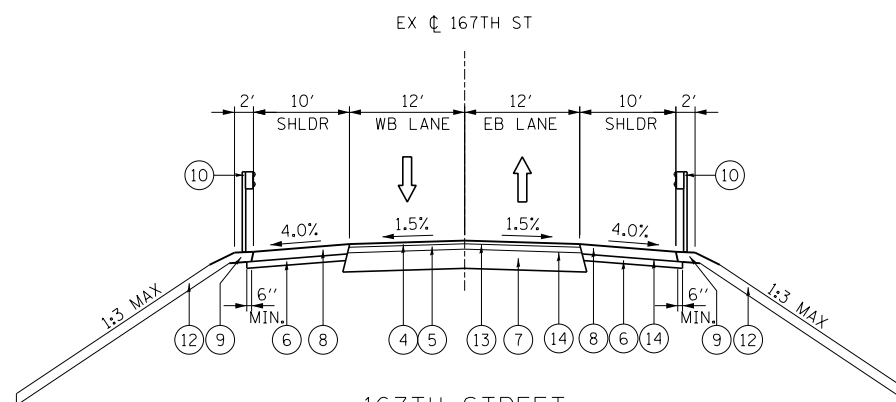
**BRUCE ROAD**  
**EXISTING TYPICAL SECTION**  
 (LOOKING EAST)  
 STA. 122+34.55 TO STA. 123+64.92



**167TH STREET**  
**EXISTING TYPICAL SECTION**  
 (LOOKING EAST)  
 STA. 34+87.73 TO STA. 36+11.94



**BRUCE ROAD**  
**PROPOSED TYPICAL SECTION**  
 (LOOKING EAST)  
 STA. 122+34.55 TO STA. 123+64.92



**167TH STREET**  
**PROPOSED TYPICAL SECTION**  
 (LOOKING EAST)  
 STA. 34+75.84 TO STA. 36+11.94

**EXISTING LEGEND**

- (A) BITUMINOUS CONCRETE SURFACE COURSE - 1 1/2"
- (B) BITUMINOUS CONCRETE BINDER COURSE - 2 1/4"
- (C) BITUMINOUS BASE COURSE - 8"
- (D) BITUMINOUS CONCRETE SURFACE COURSE - 2"
- (E) BITUMINOUS CONCRETE BINDER COURSE - 6 3/4"
- (F) SUBBASE GRANULAR MATERIAL, TYPE B - 4"
- (G) AGGREGATE SUBGRADE - 12"
- (H) BITUMINOUS SHOULDERS - 6"
- (I) AGGREGATE SHOULDERS - 6"
- (J) GUARDRAIL
- (K) EXISTING GROUND
- (L) BITUMINOUS SHOULDER CURB

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 8"
- (4) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6 3/4"
- (6) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (7) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (8) HOT-MIX ASPHALT SHOULDERS, 6"
- (9) AGGREGATE SHOULDERS, TYPE A 6"
- (10) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (11) CONCRETE SHOULDER CURB
- (12) TOPSOIL PLACEMENT, 6" (PAID FOR AS TOPSOIL EXCAVATION & PLACEMENT) AND COMBINATION SEEDING, CLASS 4 (SPECIAL) & CLASS 5 (MODIFIED)
- (13) BITUMINOUS MATERIALS (TACK COAT)
- (14) BITUMINOUS MATERIALS (PRIME COAT)

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USER NAME = ken.moy	DESIGNED - ZND	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - ZND	REVISED -
PLOT DATE = 2/8/2021	CHECKED - BMC	REVISED -
	DATE - 2/09/2021	REVISED -

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

**BRUCE ROAD AND 167TH STREET**  
**EXISTING AND PROPOSED TYPICAL SECTIONS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	25
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

**EARTHWORK SCHEDULE – OUTSIDE OF ILLINOIS TOLLWAY RIGHT-OF-WAY**

EARTHWORK SCHEDULE (CITY OF LOCKPORT, COMED, WILL COUNTY, HOMER TOWNSHIP, & STATE RIGHT-OF-WAY)											
LOCATION	LIMITS			EARTH EXCAVATION (SPECIAL) (PAY ITEM X2020410)	EARTH EXCAVATION (PAY ITEM 20200100)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) FURNISHED EXCAVATION (PAY ITEM 20400800)	TOPSOIL EXCAVATION AND PLACEMENT (PAY ITEM 21101505) SEE NOTE 3	TOPSOIL PLACEMENT SEE NOTE 3	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (PAY ITEM 20201200)
	STATION	TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
				A	B	C = 0.85 x B	D	E = C - D	F	G	H = F - G
PRIME BLVD (CITY OF LOCKPORT ROW)	160+30.00		201+45.27	0	377	320	1,851	-1,531	2,018	878	1,140
COMED PROPERTY (COMED ROW)	202+95.35		218+48.00	1,471	0	0	2,412	-2,412	0	652	0
167TH STREET TUNNEL (SN 099-9935) (FOR STRUCTURE EXCAVATION SEE STRUCTURAL PLANS) (WILL COUNTY ROW)	218+48.00		222+15.00	0	8,189	0	8,543	-8,543	0	419	8,189
GOUGAR ROAD - SOUTH OF 163RD STREET TO CHANCELLOR DRIVE (HOMER TOWNSHIP ROW)	242+39.63		258+19.07	0	179	152	3,743	-3,591	814	861	-47
GOUGAR ROAD - CHANCELLOR DRIVE TO 159TH STREET (IL ROUTE 7) (HOMER TOWNSHIP ROW)	258+52.00		275+03.40	0	208	177	1,355	-1,178	1,042	470	572
FROM TOLLWAY ROW (EXCESS SOILS FOR REUSE OUTSIDE OF TOLLWAY ROW)				0	0	0	0	585	0	0	0
<b>TOTAL:</b>				1,471	8,953	649	17,904	-16,670	3,874	3,280	9,854

ASSUMPTIONS:  
1. SHRINKAGE FACTOR OF 15% FOR EARTH EXCAVATION

NOTES:  
1. MATERIAL EXCAVATION AND DISPOSAL WITHIN COMED RIGHT-OF-WAY SHALL BE PAID FOR AS EARTH EXCAVATION (SPECIAL)  
2. NO REUSE OF MATERIAL EXCAVATED WITHIN THESE LIMITS [EARTH EXCAVATION (INCLUDES TOPSOIL)]. MATERAIL CONTAINS TYPE 1A SOILS.  
3. TOPSOIL EXCAVATION AND PLACEMENT (PAY ITEM 21101505) WILL BE PLACED BACK AT 6" DEPTH

SEE NOTE 1  
SEE NOTE 2

BILL OF MATERIAL FOR EARTHWORK OUTSIDE OF TOLLWAY ROW			
PAY ITEM NO.	DESIGNATION	TOTAL	UNITS
20200100	EARTH EXCAVATION	8,953	CU YD
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	9,854	CU YD
20400800	FURNISHED EXCAVATION	16,670	CU YD
21101505	TOPSOIL EXCAVATION AND PLACEMENT	3,874	CU YD
X2020410	EARTH EXCAVATION (SPECIAL)	1,471	CU YD

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USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SCHEDULES**

SCALE: NTS      SHEET      OF      SHEETS      STA.      TO      STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	26
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

## EARTHWORK SCHEDULE – ILLINOIS TOLLWAY RIGHT-OF-WAY ONLY

LOCATION		EARTHWORK VOLUMES (CU YD)						ENVIRONMENTAL CLASSIFICATION (CU YD)			
		EARTH EXCAVATION 20200100	ROCK EXCAVATION (NOT USED)	UNSUITABLE MATERIAL (20201200)	STRUCTURE EXCAVATION (NOT USED) SEE NOTE 2	SUITABLE EXCAVATION, (ADJUSTED FOR SHRINKAGE, 15%)	EMBANKMENT	EARTHWORK BALANCE [(EXCESS (+) /SHORTAGE (-)]	EARTH EXCAVATION TYPE 1C APPROVED SEE NOTE 3	EARTH EXCAVATION TYPE 3 APPROVED SEE NOTE 3	EARTH EXCAVATION TYPE 4 APPROVED SEE NOTE 3
		A	B	C=R-S	D	L=[(A+D-J-K) × SS]+B	M	N=L-M	F	H	I
VMT SPUR 1+05.08	02+00.00	5		39		4	15	-11			5
90+17.63	135+23.00	5,938		2,197		5,047	2,466	2,581			5,938
135+23.00	137+50.00	4,200		69		3,570	3,870	-300		4,200	
137+50.00	160+30.00	290		753		247	1,826	-1,580			290
201+45.27	202+95.35	25		26		21	36	-15			25
222+15.00	228+00.00	273		175		232	245	-13	273		
228+00.00	242+39.63	171		598		145	224	-79			171
TOTAL		10,902		3,857		9,267	8,682	585	273	4,200	6,429

LOCATION		EARTHWORK VOLUMES (CU YD)				ENVIRONMENTAL CLASSIFICATION (CU YD)	
		TOPSOIL STRIPPING	TOPSOIL STRIPPING, (ADJUSTED FOR SHRINKAGE, 0%)	TOPSOIL PLACEMENT SEE NOTE 4	TOPSOIL BALANCE [EXCESS (+) /SHORTAGE (-)]	TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL (X2111100) TYPE 1C APPROVED SEE NOTE 3	TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL (X2111100) TYPE 4 APPROVED SEE NOTE 3
		Q	R=(Q-Y-Z) × 1	S	R-S	V = Q	
VMT SPUR 1+05.08	02+00.00	50	50	11	39	50	
90+17.63	135+23.00	4,188	4,188	1,991	2,197	4,188	
135+23.00	137+50.00	273	273	204	69	273	
137+50.00	160+30.00	1,551	1,551	798	753	1,551	
201+45.27	202+95.35	67	67	40	26	67	
222+15.00	228+00.00	367	367	192	175	367	
228+00.00	242+39.63	838	838	240	598	838	
TOTAL		7,334	7,334	3,476	3,857	6,967	

**NOTES:**

1. QUANTITIES SHOWN ON THIS SHEET ARE PROVIDED FOR ENVIRONMENTAL CLASSIFICATION OF SOILS WITHIN ILLINOIS TOLLWAY RIGHT-OF-WAY ONLY.
2. SEE STRUCTURAL PLANS FOR STRUCTURE EXCAVATION QUANTITIES
3. EARTH EXCAVATION TYPES 1, 3, AND 4 APPROVED AND TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL TYPES 1 AND 4 APPROVED ARE SUITABLE FOR RE-USE THROUGHOUT THE PROJECT. EARTH EXCAVATION TYPES 1, 3, AND 4 APPROVED IS PAID AS EARTH EXCAVATION (20200100). TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL TYPES 1 AND 4 APPROVED IS PAID AS TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL (X2111100).
4. TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL (X2111100) WILL BE PLACED BACK AT 6" DEPTH

BILL OF MATERIAL FOR EARTHWORK ON TOLLWAY RIGHT-OF-WAY			
PAY ITEM NO.	DESIGNATION	TOTAL	UNITS
20200100	EARTH EXCAVATION	10,902	CU YD
NOT USED	ROCK EXCAVATION	0	CU YD
20400800	FURNISHED EXCAVATION	0	CU YD
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	3,857	CU YD
X2111100	TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL	7,334	CU YD
NOT USED	STRUCTURE EXCAVATION	0	CU YD

FILE NAME = p:\aecom-no-pw-bentl\gafamb\CDL\DS20\_NA\_2019\Documents\25369593-Forest\_Preserve-District\900-CAD\GIS\910-CAD\WillFPD\_25369593\_VeteransTrail\Ph2-Drawings\General\Earthwork-Schedule\_2.dgn



USER NAME = ken.moy  
 DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 2/8/2021

REVISOR -  
 REVISION -  
 REVISION -  
 REVISION -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 SCHEDULES**

SCALE: SHEETS OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	27
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				



FILE NAME = p:\aecom-no-pw-bentl\gafam\CDL\DS28\_NA\_2019\Documents\25369593-Forest-Preserve-District\900-CAD\GIS\910-CAD\WillFPD\_25369593\_VeteransTrail\Ph2\Drawings\General\Tree Rem & Protect-Schedule.dgn

TREE REMOVAL SCHEDULE			
STATION	OFFSET (FT)		6-15 UNITS
	LT	RT	
127+84.00	6		12
128+04.00	19		15
128+20.00	2		12
128+50.00		5	12
128+62.00	8		12
128+90.00	12		15
129+03.00		11	15
129+96.00		8	12
130+83.00		4	12
131+07.00		10	6
131+15.00	7		6
131+25.00	20		6
131+33.00	4		8
131+60.00		3	7
131+71.00	20		7
131+82.00	5		8
131+99.00		4	6
132+17.00		2	6
145+32.00		9	8
145+62.00		14	10
145+95.00	21		8
146+25.00		24	10
146+26.00	5		6
146+52.00		2	6
147+02.00	8		6
148+04.00		17	7
150+36.00	8		10
TOTAL:			248

TOLLWAY ROW

TREE REMOVAL SCHEDULE			
STATION	OFFSET (FT)		6-15 UNITS
	LT	RT	
171+16.00		4	6
171+50.00		4	6
171+86.00		4	6
172+21.00		5	6
173+07.00		6	6
173+43.00		5	6
173+78.50		4	6
174+13.00		5	6
174+48.00		6	6
174+82.00		5.5	6
175+67.00		5	6
176+11.00		5	6
176+44.00		5	6
176+79.00		5	6
177+11.00		5	6
177+50.50		5	6
177+91.00		5	6
178+31.00		5	6
178+75.00		4	6
TOTAL:			114

PRIME BLVD

TREE REMOVAL SCHEDULE			
STATION	OFFSET (FT)		6-15 UNITS
	LT	RT	
227+42.00		8	6
227+72.00	1		6
227+92.00	8		6
228+13.00	0	0	6
228+43.00	7		6
228+78.00	1		6
228+99.00	8		6
229+18.00	4		6
229+43.00	8		6
229+75.00	2		6
230+43.00	6		6
TOTAL:			66

TOLLWAY ROW

TREE REMOVAL SCHEDULE			
STATION	OFFSET (FT)		6-15 UNITS
	LT	RT	
263+25.00		8	12
263+31.00		15	7
263+33.00		18	6
263+55.00		20	9
263+57.00		22	11
264+82.00	10		11
264+82.00	10		10
264+82.00	10		9
264+82.00	10		6
265+01.00	10		8
265+14.00		12	7
265+22.00		12	8
265+31.00		13	6
265+92.00		15	8
265+92.00		15	6
266+39.00		10	10
266+39.00		10	6
266+46.00		16	7
266+46.00		9	7
266+46.00		9	6
266+58.00		15	12
TOTAL:			172

GOUGAR ROAD

SCHEDULE FOR TEMPORARY FENCE TREE TRUNK PROTECTION			
STATION	OFFSET (FT)		FENCE (FT)
	LT	RT	
93+21.00	21		60
93+43.00	28		60
93+64.30	28		60
93+85.00	50		60
95+49.00	44		60
95+81.00	50		60
121+09.00	22		60
121+30.00	24		60
121+56.00	24		60
121+77.00	26		60
128+42.00	14		60
128+72.00		17	60
130+67.00		13	60
131+35.00		16	60
131+52.00	15		60
132+01.00	16		60
132+14.00		19	60
146+69.00	16		60
148+22.00	20		60
148+40.00	15		60
149+17.00	23		60
149+36.00	17		60
149+65.00	10		60
149+90.00	14		60
150+16.00	21		60
230+10.00	12		60
242+17.00		11	60
TOTAL:			1620



USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
SCHEDULES

SCALE: SHEETS OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	29
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\aecom-no-pw-bentl\gafamb\DKL0528\_NA\_2019\Documents\25369593-Forest\_Preserve-District\900-CAD\_615\910-CAD\_WillFPD\_25369593\_VeteransTrail\Ph2\_Drains\General\0\_tch\_ESC\_Schedule.dgn

PROPOSED CENTER DRAINAGE DITCH LOCATION			
NOTES	STATION	OFFSET (FT)	LT/RT
BEGIN (MATCH EX)	90+75	9.8	LT
	91+00	12	LT
	92+00	12	LT
	93+00	12	LT
END (MATCH EX)	94+00	12	LT
BEGIN (MATCH EX)	95+00	16	LT
	96+00	16	LT
	97+00	16	LT
	98+00	16	LT
	99+00	16.4	LT
	99+60	17	LT
	100+00	16.9	LT
	101+00	16	LT
	102+00	12.6	LT
END (MATCH EX)	103+00	9.7	LT
BEGIN (MATCH EX)	113+00	15.5	RT
	114+00	16	RT
	115+00	16	RT
	116+00	16	RT
	117+00	15.4	RT
SUMMIT	117+48	16	RT
	118+00	16	RT
	119+00	20	RT
	120+00	20	RT
	120+50	21	RT
END (MATCH EX)	121+00	19.3	RT
BEGIN (MATCH EX)	124+00	21.8	RT
	125+00	16	RT
	126+00	16	RT
	127+00	16	RT
END (MATCH EX)	128+00	22.8	RT
BEGIN (MATCH EX)	146+00	11.8	RT
	147+00	18.5	RT
	148+00	14.6	RT
	149+00	13	RT
	150+00	13	RT
END (MATCH EX)	151+00	16.9	RT
BEGIN (MATCH EX)	159+28	20.6	LT
	159+50	11.8	LT
END (MATCH EX)	160+00	13.3	LT
BEGIN (MATCH EX)	161+50	7.3	LT
	162+00	15.8	LT
(MATCH EX)	162+50	17.3	LT
	163+00	16.5	LT
	163+73	15.9	LT
	164+00	17.8	LT
	164+53	18	LT
END (MATCH EX)	165+00	19.2	LT

NOTES	STATION	OFFSET (FT)	LT/RT
BEGIN (MATCH EX)	205+00	16.7	RT
	206+00	16.5	RT
	207+00	13	RT
	208+00	16	RT
SUMMIT	209+00	16	RT
	210+00	14	RT
	211+00	14	RT
	212+00	16	RT
	213+00	15.3	RT
	214+00	13	RT
	215+00	12.7	RT
	216+00	19	RT
END (MATCH EX)	217+00	20.6	RT
BEGIN (MATCH EX)	242+40	8.2	RT
	242+90	12.4	RT
	244+00	35	RT
	244+20	38	RT
END (MATCH EX)	244+50	32	RT
BEGIN (MATCH EX)	242+40	35.2	LT
	243+00	33.5	LT
	244+00	10.8	LT
	244+20	9	LT
END (MATCH EX)	244+50	9	LT
BEGIN (MATCH EX)	253+00	18.9	RT
	253+20	26.5	RT
	253+50	24.8	RT
END (MATCH EX)	254+00	22.3	RT
BEGIN (MATCH EX)	259+00	12.3	LT
(MATCH EX)	260+00	11.7	LT
(MATCH EX)	261+00	10.7	LT
	261+50	12	LT
MATCH PR FES	261+75	11.7	LT
BEGIN (MATCH EX)	268+00	12	RT
	268+50	13.6	RT
	269+00	16.8	RT
	269+50	17.3	RT
	270+00	18.3	RT
	271+00	16	RT
	272+00	15.1	RT
	273+00	17.7	RT
	273+64	27.5	RT
	273+76	27.4	RT
	273+87	24.2	RT
	274+00	23.8	RT
MATCH PR FES	274+25	19.3	RT

TEMPORARY AND AGGREGATE DITCH CHECK SCHEDULE				
STATION	OFFSET LT/RT	EACH	TEMPORARY DITCH CHECK LENGTH (FT)	AGGREGATE DITCH CHECK (TON)
91+00.00	LT	1	6	1.2
92+00.00	LT	1	6	1.2
93+00.00	LT	1	6	1.2
96+00.00	LT	1	6	1.2
97+00.00	LT	1	6	1.2
98+00.00	LT	1	6	1.2
100+00.00	LT	1	6	1.2
101+00.00	LT	1	6	1.2
102+00.00	LT	1	6	1.2
113+00.00	RT	1	6	1.2
114+00.00	RT	1	6	1.2
115+00.00	RT	1	6	1.2
116+00.00	RT	1	6	1.2
118+00.00	RT	1	6	1.2
119+00.00	RT	1	6	1.2
120+00.00	RT	1	6	1.2
121+00.00	RT	1	6	1.2
125+00.00	RT	1	6	1.2
126+00.00	RT	1	6	1.2
127+00.00	RT	1	6	1.2
147+00.00	RT	1	6	1.2
148+00.00	RT	1	6	1.2
149+00.00	RT	1	6	1.2
159+50.00	LT	1	6	1.2
159+30.00	LT	1	6	1.2
162+00.00	LT	1	6	1.2
163+00.00	LT	1	6	1.2
206+00.00	RT	1	6	1.2
207+00.00	RT	1	6	1.2
208+00.00	RT	1	6	1.2
210+00.00	RT	1	6	1.2
212+00.00	RT	1	6	1.2
213+50.00	RT	1	6	1.2
215+50.00	RT	1	6	1.2
243+00.00	RT	1	6	1.2
243+00.00	LT	1	12	23.3
243+50.00	RT	1	12	23.3
243+50.00	LT	1	12	23.3
243+75.00	LT	1	6	1.2
244+20.00	RT	1	12	23.3
253+50.00	RT	1	6	1.2
254+00.00	RT	1	6	1.2
268+50.00	RT	1	6	1.2
269+50.00	RT	1	6	1.2
273+00.00	RT	1	6	1.2
TOTAL:			294	142

PAVEMENT MARKING SCHEDULE											
PMK	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	PAINT PAVEMENT MARKING - LINE 4"	PAINT PAVEMENT MARKING - LINE 6"	PAINT PAVEMENT MARKING - LINE 8"	PAINT PAVEMENT MARKING - LINE 12"	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"
SHEET	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
P&P 01	0	0	0	0	1444	59	30	11	0	0	0
P&P 02	0	0	0	0	1400	0	0	0	0	0	0
P&P 03	0	0	0	0	1400	0	0	0	0	0	0
P&P 04	0	0	0	0	1400	0	0	0	0	0	0
P&P 05	0	0	0	0	1540	0	0	0	0	0	0
P&P 06	0	0	0	0	1216	0	0	20	0	0	0
P&P 07	0	127	205	24	1223	0	0	20	0	0	0
P&P 08	0	125	202	24	1237	0	0	10	0	0	0
P&P 09	0	0	0	0	1338	0	0	0	0	0	0
P&P 10	0	0	0	0	1400	0	0	0	0	0	0
P&P 11	0	0	0	0	1400	0	0	0	0	0	0
P&P 12	0	138	227	17	810	0	0	10	1428	0	0
P&P 13	778	52	84	11	1330	0	0	10	0	0	0
P&P 14	403	0	0	0	485	0	0	0	120	27	44
BRUCE RD	522										
167TH ST	497										
TOTAL	2200	442	718	77	17622	59	30	81	1548	27	44



USER NAME = ken.moy  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 2/8/2021

DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021

REVISED -  
 REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 SCHEDULES

F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 11-F3001-01-BT WILL 234 30  
 CONTRACT NO. 61G74  
 ILLINOIS FED. AID PROJECT

SCALE: SHEETS OF SHEETS STA. TO STA.

BIKE TRAIL - ALIGNMENT DATA

<p>PROP. CURVE CURVE 1 PI STA. = 90+32.08 Δ = 47° 33' 58" (LT) D = 57' 17' 45" R = 100.00' T = 44.07' L = 83.02' E = 9.28' P.C. STA. = 89+88.01 P.T. STA. = 90+71.03</p>	<p>PROP. CURVE CURVE 2 PI STA. = 90+88.88 Δ = 20° 14' 52" (RT) D = 57' 17' 45" R = 100.00' T = 17.86' L = 35.34' E = 1.58' P.C. STA. = 90+71.03 P.T. STA. = 91+06.36</p>	<p>PROP. CURVE CURVE 3 PI STA. = 91+81.31 Δ = 53° 05' 56" (LT) D = 38' 11' 50" R = 150.00' T = 74.95' L = 139.01' E = 17.68' P.C. STA. = 91+06.36 P.T. STA. = 92+45.38</p>	<p>PROP. CURVE CURVE 4 PI STA. = 95+07.50 Δ = 47° 31' 44" (LT) D = 28' 38' 52" R = 200.00' T = 88.06' L = 165.91' E = 18.53' P.C. STA. = 94+19.44 P.T. STA. = 95+85.35</p>	<p>PROP. CURVE CURVE 5 PI STA. = 96+81.89 Δ = 87° 58' 59" (RT) D = 57' 17' 45" R = 100.00' T = 96.54' L = 153.56' E = 39.00' P.C. STA. = 95+85.35 P.T. STA. = 97+38.91</p>	<p>PROP. CURVE CURVE 6 PI STA. = 98+50.27 Δ = 40° 20' 53" (LT) D = 57' 17' 45" R = 100.00' T = 36.74' L = 70.42' E = 6.54' P.C. STA. = 98+13.53 P.T. STA. = 98+83.95</p>	<p>PROP. CURVE CURVE 7 PI STA. = 100+84.44 Δ = 74° 53' 08" (LT) D = 25' 27' 53" R = 225.00' T = 172.29' L = 294.07' E = 58.39' P.C. STA. = 99+12.14 P.T. STA. = 102+06.22</p>	<p>PROP. CURVE CURVE 8 PI STA. = 105+21.40 Δ = 29° 56' 43" (LT) D = 25' 27' 53" R = 225.00' T = 60.17' L = 117.59' E = 7.91' P.C. STA. = 104+61.23 P.T. STA. = 105+78.82</p>
<p>PROP. CURVE CURVE 9 PI STA. = 106+68.88 Δ = 84° 00' 52" (RT) D = 57' 17' 45" R = 100.00' T = 90.06' L = 146.63' E = 34.58' P.C. STA. = 105+78.82 P.T. STA. = 107+25.45</p>	<p>PROP. CURVE CURVE 10 PI STA. = 112+54.86 Δ = 7° 35' 47" (RT) D = 14° 19' 26" R = 400.00' T = 26.56' L = 53.03' E = 0.88' P.C. STA. = 112+28.30 P.T. STA. = 112+81.33</p>	<p>PROP. CURVE CURVE 11 PI STA. = 113+99.40 Δ = 33° 10' 23" (RT) D = 28° 38' 52" R = 200.00' T = 59.57' L = 115.80' E = 8.68' P.C. STA. = 113+39.83 P.T. STA. = 114+55.63</p>	<p>PROP. CURVE CURVE 12 PI STA. = 115+09.09 Δ = 26° 43' 59" (LT) D = 25° 27' 53" R = 225.00' T = 53.46' L = 104.98' E = 6.26' P.C. STA. = 114+55.63 P.T. STA. = 115+60.61</p>	<p>PROP. CURVE CURVE 13 PI STA. = 132+15.47 Δ = 14° 00' 09" (LT) D = 19° 05' 55" R = 300.00' T = 36.84' L = 73.32' E = 2.25' P.C. STA. = 131+78.63 P.T. STA. = 132+51.95</p>	<p>PROP. CURVE CURVE 14 PI STA. = 133+51.49 Δ = 36° 42' 42" (RT) D = 19° 05' 55" R = 300.00' T = 99.54' L = 192.22' E = 16.08' P.C. STA. = 132+51.95 P.T. STA. = 134+44.17</p>		
<p>PROP. CURVE CURVE 15 PI STA. = 140+97.96 Δ = 42° 20' 52" (LT) D = 14° 19' 26" R = 400.00' T = 154.94' L = 295.64' E = 28.96' P.C. STA. = 139+43.02 P.T. STA. = 142+38.66</p>	<p>PROP. CURVE CURVE 16 PI STA. = 146+44.38 Δ = 14° 46' 40" (RT) D = 19° 05' 55" R = 300.00' T = 38.90' L = 77.38' E = 2.51' P.C. STA. = 146+05.47 P.T. STA. = 146+82.85</p>						

SPRING CREEK SPUR ALIGNMENT DATA

<p>PROP. CURVE SPUR 1 PI STA. = 1+70.34 Δ = 11° 28' 42" (RT) D = 38' 11' 50" R = 150.00' T = 15.08' L = 30.05' E = 0.76' P.C. STA. = 1+55.26 P.T. STA. = 1+85.31</p>	<p>PROP. CURVE SPUR 2 PI STA. = 2+00.39 Δ = 11° 28' 42" (LT) D = 38' 11' 50" R = 150.00' T = 15.08' L = 30.05' E = 0.76' P.C. STA. = 1+85.31 P.T. STA. = 2+15.36</p>
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VETERANS MEMORIAL TRAIL BENCHMARKS

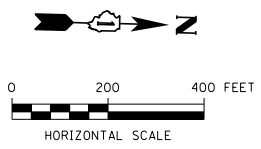
NAME:	ELEVATION:	NORTHING	EASTING	DESCRIPTION:
BM#1	717.915	1,789,009.75	1,081,321.40	BERNTSEN TOP SECURITY GPS 3D ROD MONUMENT, 18.00' SOUTH OF BRUCE RD CENTERLINE
BM#2	717.235	1,785,981.83	1,079,322.32	BERNTSEN TOP SECURITY GPS 3D ROD MONUMENT, 17.50' NORTH OF BRUCE RD CENTERLINE

**BEGIN IMPROVEMENT  
PROP. SPUR TRAIL  
STA. 1 + 05.08**

PR. SPUR TRAIL CL  
PC Sta 1+55.26  
PI Sta 1+70.34  
PRC Sta 1+85.31  
PT Sta 2+15.36

**END IMPROVEMENT  
PROP. SPUR TRAIL  
STA. 2 + 28.07**

**BEGIN IMPROVEMENT  
VETERANS MEMORIAL TRAIL  
STA. 90 + 17.63**



FILE NAME = p:\a\escom-na-pw-bentl\edf\m\CDM\0528\_NA\_2019\Documents\25369593-Forrest-Reserve-District\900-CAD\GIS\910-CAD\WillFPD\_25369593-VeteransTrail\Ph2-Drawings\Alignment\Alignment\_01.dgn



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
ALIGNMENT, TIES, AND BENCHMARKS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	31
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF 1 SHEETS STA. TO STA.

BIKE TRAIL - ALIGNMENT DATA

PROP. CURVE 17 PI STA. = 158+49.54 Δ = 43° 44' 08" (RT) D = 57° 17' 45" R = 100.00' T = 40.13' L = 76.33' E = 7.75' P.C. STA. = 158+09.40 P.T. STA. = 158+85.73	PROP. CURVE 18 PI STA. = 161+38.20 Δ = 132° 32' 44" (RT) D = 57° 17' 45" R = 100.00' T = 227.51' L = 231.34' E = 148.52' P.C. STA. = 159+10.68 P.T. STA. = 161+42.02	PROP. CURVE 19 PI STA. = 162+62.05 Δ = 50° 23' 40" (LT) D = 57° 17' 45" R = 100.00' T = 47.05' L = 87.95' E = 10.52' P.C. STA. = 162+15.00 P.T. STA. = 163+02.96	PROP. CURVE 20 PI STA. = 166+97.11 Δ = 126° 38' 25" (LT) D = 45° 50' 12" R = 125.00' T = 248.75' L = 276.29' E = 153.39' P.C. STA. = 164+48.36 P.T. STA. = 167+24.64	PROP. CURVE 21 PI STA. = 168+04.42 Δ = 77° 09' 46" (RT) D = 57° 17' 45" R = 100.00' T = 79.78' L = 134.67' E = 27.92' P.C. STA. = 167+24.64 P.T. STA. = 168+59.32	PROP. CURVE 22 PI STA. = 169+03.71 Δ = 47° 52' 18" (LT) D = 57° 17' 45" R = 100.00' T = 44.39' L = 83.55' E = 9.41' P.C. STA. = 168+59.32 P.T. STA. = 169+42.87	PROP. CURVE 23 PI STA. = 185+40.20 Δ = 23° 04' 26" (LT) D = 57° 17' 45" R = 100.00' T = 20.41' L = 40.27' E = 2.06' P.C. STA. = 185+19.79 P.T. STA. = 185+60.06
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PROP. CURVE 24 PI STA. = 185+80.48 Δ = 23° 04' 26" (RT) D = 57° 17' 45" R = 100.00' T = 20.41' L = 40.27' E = 2.06' P.C. STA. = 185+60.06 P.T. STA. = 186+00.34	PROP. CURVE 25 PI STA. = 186+64.71 Δ = 23° 04' 26" (RT) D = 57° 17' 45" R = 100.00' T = 20.41' L = 40.27' E = 2.06' P.C. STA. = 186+44.30 P.T. STA. = 186+84.57	PROP. CURVE 26 PI STA. = 187+04.98 Δ = 23° 04' 26" (LT) D = 57° 17' 45" R = 100.00' T = 20.41' L = 40.27' E = 2.06' P.C. STA. = 186+84.57 P.T. STA. = 187+24.84	PROP. CURVE 27 PI STA. = 193+76.17 Δ = 23° 43' 46" (LT) D = 14° 46' 01" R = 388.00' T = 81.52' L = 160.69' E = 8.47' P.C. STA. = 192+94.65 P.T. STA. = 194+55.35	PROP. CURVE 28 PI STA. = 197+39.90 Δ = 23° 39' 52" (RT) D = 13° 54' 24" R = 412.00' T = 86.31' L = 170.17' E = 8.94' P.C. STA. = 196+53.58 P.T. STA. = 198+23.75
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PROP. CURVE 29 PI STA. = 199+50.72 Δ = 90° 40' 32" (LT) D = 57° 17' 45" R = 100.00' T = 101.19' L = 158.26' E = 42.26' P.C. STA. = 198+49.53 P.T. STA. = 200+07.79	PROP. CURVE 30 PI STA. = 203+11.99 Δ = 28° 37' 59" (LT) D = 57° 17' 45" R = 100.00' T = 25.52' L = 49.97' E = 3.21' P.C. STA. = 202+86.47 P.T. STA. = 203+36.45
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BIKE TRAIL - ALIGNMENT DATA

PROP. CURVE 31 PI STA. = 204+36.87 Δ = 32° 19' 54" (RT) D = 57° 17' 45" R = 100.00' T = 28.99' L = 56.43' E = 4.12' P.C. STA. = 204+07.88 P.T. STA. = 204+64.31	PROP. CURVE 32 PI STA. = 206+21.62 Δ = 9° 16' 55" (LT) D = 11° 27' 33" R = 500.00' T = 40.59' L = 81.00' E = 1.64' P.C. STA. = 205+81.03 P.T. STA. = 206+62.04
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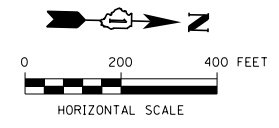
PROP. CURVE 33 PI STA. = 217+62.49 Δ = 71° 10' 51" (RT) D = 38° 11' 50" R = 150.00' T = 107.35' L = 186.35' E = 34.46' P.C. STA. = 216+55.14 P.T. STA. = 218+41.49	PROP. CURVE 34 PI STA. = 221+75.14 Δ = 43° 05' 50" (LT) D = 57° 17' 45" R = 100.00' T = 39.49' L = 75.22' E = 7.51' P.C. STA. = 221+35.65 P.T. STA. = 222+10.87
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PROP. CURVE 35 PI STA. = 222+71.31 Δ = 62° 18' 12" (RT) D = 57° 17' 45" R = 100.00' T = 60.45' L = 108.74' E = 16.85' P.C. STA. = 222+10.87 P.T. STA. = 223+19.61	PROP. CURVE 36 PI STA. = 223+34.78 Δ = 17° 15' 14" (LT) D = 57° 17' 45" R = 100.00' T = 15.17' L = 30.11' E = 1.14' P.C. STA. = 223+19.61 P.T. STA. = 223+49.72
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PROP. CURVE 37A PI STA. = 223+98.31 Δ = 1° 55' 56" (LT) D = 57° 17' 45" R = 100.00' T = 1.69' L = 3.37' E = 0.01' P.C. STA. = 223+96.63 P.T. STA. = 224+00.00	PROP. CURVE 37B PI STA. = 224+18.30 Δ = 22° 37' 51" (LT) D = 57° 17' 45" R = 100.00' T = 20.01' L = 39.50' E = 1.98' P.C. STA. = 223+98.29 P.T. STA. = 224+37.79
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PROP. CURVE 38 PI STA. = 224+72.96 Δ = 38° 45' 01" (RT) D = 57° 17' 31" R = 100.00' T = 35.17' L = 67.64' E = 6.00' P.C. STA. = 224+37.79 P.T. STA. = 225+05.42	PROP. CURVE 39 PI STA. = 225+17.87 Δ = 14° 11' 14" (LT) D = 57° 18' 25" R = 100.00' T = 12.44' L = 24.76' E = 0.77' P.C. STA. = 225+05.42 P.T. STA. = 225+30.18
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PROP. CURVE 40 PI STA. = 227+18.77 Δ = 25° 50' 31" (RT) D = 57° 17' 45" R = 100.00' T = 22.94' L = 45.10' E = 2.60' P.C. STA. = 226+95.83 P.T. STA. = 227+40.93	PROP. CURVE 41 PI STA. = 227+63.87 Δ = 25° 50' 31" (LT) D = 57° 17' 45" R = 100.00' T = 22.94' L = 45.10' E = 2.60' P.C. STA. = 227+40.93 P.T. STA. = 227+86.03
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VETERANS MEMORIAL TOLLWAY (I-355)

ILLINOIS LN

SALEM BL

W 167TH ST

PRIME BLVD

DEER DR

PR. VETERANS MEMORIAL TRAIL

VETERANS MEMORIAL TRAIL BENCHMARKS				
NAME:	ELEVATION:	NORTHING	EASTING	DESCRIPTION:
BM#3	734.319	1,791,244.56	1,077,813.98	BERNTSEN TOP SECURITY GPS 3D ROD MONUMENT, 18.50' NORTH OF 167TH ST CENTERLINE
BM#4	727.025	1,791,187.22	1,075,682.15	BERNTSEN TOP SECURITY GPS 3D ROD MONUMENT, 38.40' NORTH OF 167TH ST CENTERLINE



USER NAME = ken.moy  
DESIGNED - JN  
DRAWN - JN  
CHECKED - KLM  
DATE - 2/09/2021

DESIGNED - JN  
DRAWN - JN  
CHECKED - KLM  
DATE - 2/09/2021

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
ALIGNMENT, TIES, AND BENCHMARKS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	32
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\a\oecom-no-pw-bentl\dfm\ae\CDM\DS20\_NA\_2019\Documents\25369593-Forrest-Prserves-District\900-CAD\GIS\910-CAD\WIP\DFD\_25369593\_VeteransTrail\Phase2\_Drawings\Alignment\_A1\Alignment\_02.dgn



BIKE TRAIL - ALIGNMENT DATA

PROP. CURVE 42  
PI STA. = 230+90.26  
Δ = 27° 10' 56" (LT)  
D = 19° 05' 55"  
R = 300.00'  
T = 72.53'  
L = 142.33'  
E = 8.64'  
P.C. STA. = 230+17.74  
P.T. STA. = 231+60.06

PROP. CURVE 43  
PI STA. = 231+80.68  
Δ = 23° 17' 43" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 20.61'  
L = 40.66'  
E = 2.10'  
P.C. STA. = 231+60.06  
P.T. STA. = 232+00.72

PROP. CURVE 44  
PI STA. = 232+36.01  
Δ = 24° 18' 14" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 21.53'  
L = 42.42'  
E = 2.29'  
P.C. STA. = 232+14.48  
P.T. STA. = 232+56.90

PROP. CURVE 45  
PI STA. = 233+10.92  
Δ = 20° 25' 05" (LT)  
D = 19° 05' 58"  
R = 300.00'  
T = 54.03'  
L = 106.90'  
E = 4.83'  
P.C. STA. = 232+56.90  
P.T. STA. = 233+63.80

PROP. CURVE 46  
PI STA. = 242+14.87  
Δ = 29° 00' 30" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 25.87'  
L = 50.63'  
E = 3.29'  
P.C. STA. = 241+89.00  
P.T. STA. = 242+39.62

PROP. CURVE 47  
PI STA. = 243+01.86  
Δ = 30° 55' 15" (LT)  
D = 25° 27' 53"  
R = 225.00'  
T = 62.23'  
L = 121.43'  
E = 8.45'  
P.C. STA. = 242+39.62  
P.T. STA. = 243+61.05

PROP. CURVE 48  
PI STA. = 243+89.23  
Δ = 19° 58' 32" (RT)  
D = 35° 48' 36"  
R = 160.00'  
T = 28.18'  
L = 55.78'  
E = 2.46'  
P.C. STA. = 243+61.05  
P.T. STA. = 244+16.83

PROP. CURVE 49  
PI STA. = 248+03.86  
Δ = 7° 00' 29" (RT)  
D = 22° 55' 06"  
R = 250.00'  
T = 15.31'  
L = 30.58'  
E = 0.47'  
P.C. STA. = 247+88.55  
P.T. STA. = 248+19.13

PROP. CURVE 50  
PI STA. = 249+79.37  
Δ = 17° 31' 23" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 15.41'  
L = 30.58'  
E = 1.18'  
P.C. STA. = 249+63.95  
P.T. STA. = 249+94.54

PROP. CURVE 51  
PI STA. = 250+09.16  
Δ = 16° 38' 01" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 14.62'  
L = 29.03'  
E = 1.06'  
P.C. STA. = 249+94.54  
P.T. STA. = 250+23.57

PROP. CURVE 52  
PI STA. = 261+90.18  
Δ = 11° 50' 39" (LT)  
D = 38° 11' 50"  
R = 150.00'  
T = 15.56'  
L = 31.01'  
E = 0.80'  
P.C. STA. = 261+74.62  
P.T. STA. = 262+05.63

PROP. CURVE 53  
PI STA. = 262+64.19  
Δ = 11° 45' 33" (RT)  
D = 38° 11' 50"  
R = 150.00'  
T = 15.45'  
L = 30.79'  
E = 0.79'  
P.C. STA. = 262+48.74  
P.T. STA. = 262+79.53

PROP. CURVE 54  
PI STA. = 271+76.94  
Δ = 6° 15' 15" (RT)  
D = 22° 55' 06"  
R = 250.00'  
T = 13.66'  
L = 27.29'  
E = 0.37'  
P.C. STA. = 271+63.29  
P.T. STA. = 271+90.58

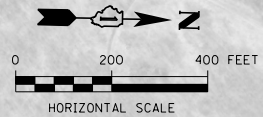
PROP. CURVE 55  
PI STA. = 272+41.06  
Δ = 7° 38' 51" (LT)  
D = 22° 55' 06"  
R = 250.00'  
T = 16.71'  
L = 33.37'  
E = 0.56'  
P.C. STA. = 272+24.35  
P.T. STA. = 272+57.72

PROP. CURVE 56  
PI STA. = 272+89.90  
Δ = 7° 38' 51" (LT)  
D = 22° 55' 06"  
R = 250.00'  
T = 16.71'  
L = 33.37'  
E = 0.56'  
P.C. STA. = 272+73.19  
P.T. STA. = 273+06.56

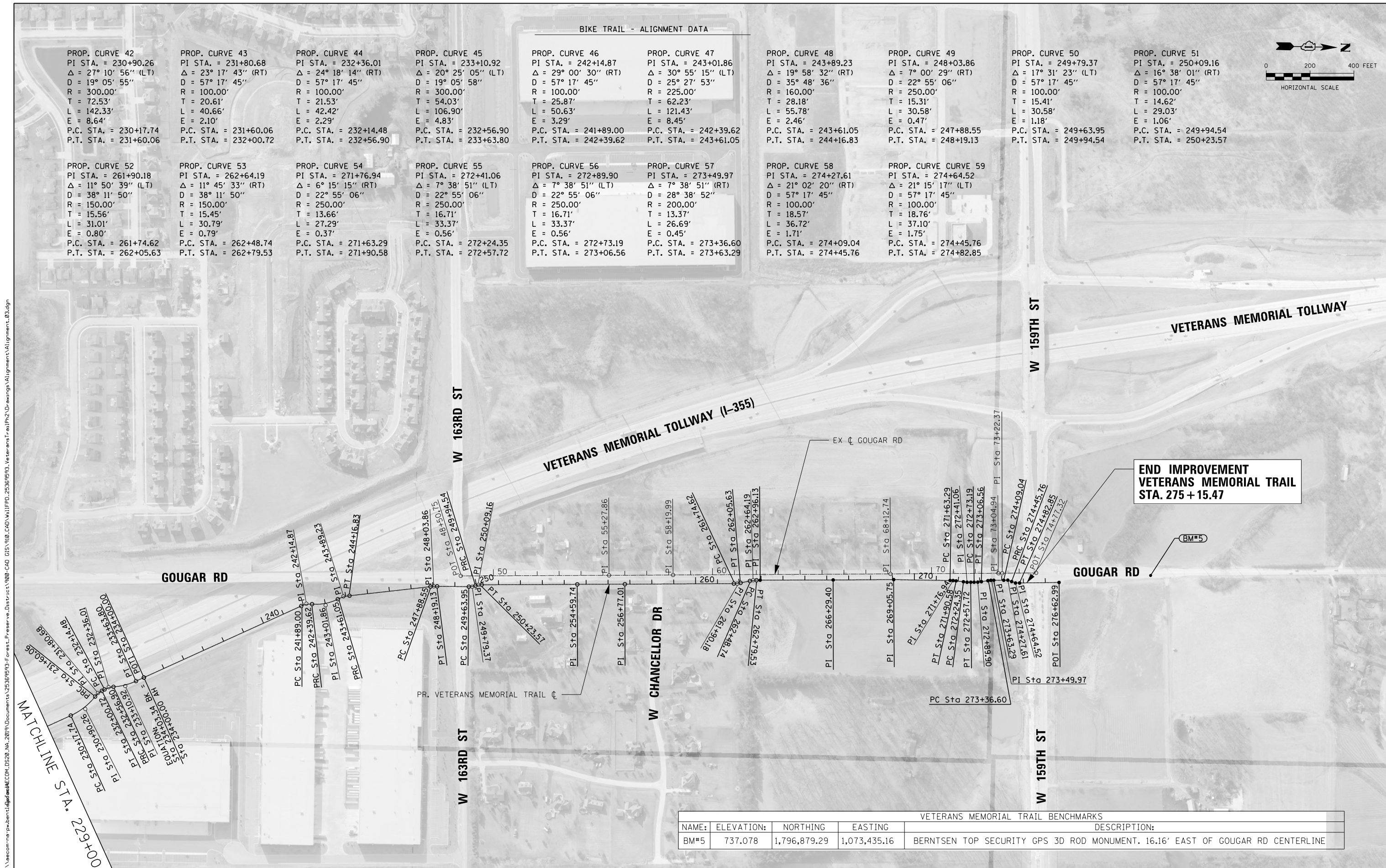
PROP. CURVE 57  
PI STA. = 273+49.97  
Δ = 7° 38' 51" (RT)  
D = 28° 38' 52"  
R = 200.00'  
T = 13.37'  
L = 26.69'  
E = 0.45'  
P.C. STA. = 273+36.60  
P.T. STA. = 273+63.29

PROP. CURVE 58  
PI STA. = 274+27.61  
Δ = 21° 02' 20" (RT)  
D = 57° 17' 45"  
R = 100.00'  
T = 18.57'  
L = 36.72'  
E = 1.71'  
P.C. STA. = 274+09.04  
P.T. STA. = 274+45.76

PROP. CURVE 59  
PI STA. = 274+64.52  
Δ = 21° 15' 17" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 18.76'  
L = 37.10'  
E = 1.75'  
P.C. STA. = 274+45.76  
P.T. STA. = 274+82.85



FILE NAME = p:\a\oecom-no-pw-bentl\gofam\CDK\0528\_NA\_2019\Documents\25369593-Forest\_Preserve-District\900-CAD\GIS\910-CAD\WillFPD\_25369593\_VeteransTrail\Plat2\_Drawing\Alignment\Alignment\_03.dgn



**END IMPROVEMENT  
VETERANS MEMORIAL TRAIL  
STA. 275 + 15.47**

VETERANS MEMORIAL TRAIL BENCHMARKS				
NAME:	ELEVATION:	NORTHING	EASTING	DESCRIPTION:
BM#5	737.078	1,796,879.29	1,073,435.16	BERNTSEN TOP SECURITY GPS 3D ROD MONUMENT, 16.16' EAST OF GOUGAR RD CENTERLINE



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 400.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	33
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



FILE NAME = p:\aecom-no-pw-bentl\dwg\am\CDL\DS20\_NA\_2019\Documents\25369593-Forest\_Preserve-District\900-CAD\GIS\910-CAD\WillFPD\_25369593\_VeteransTrail\Ph2-Drawings\Alignment\Alignment\_05.dgn

PR VMT TRAIL ALIGNMENT COORDINATES				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
PRC	CURVE 35	223+19.61	1,791,335.97	1,074,476.03
	CURVE 36			
PI	CURVE 36	223+34.78	1,791,350.98	1,074,473.78
PT	CURVE 36	223+49.72	1,791,364.64	1,074,467.19
PC	CURVE 37A	223+96.63	1,791,406.89	1,074,446.82
PI	CURVE 37A	223+98.31	1,791,408.41	1,074,446.08
PCC	CURVE 37A	224+00.00	1,791,409.91	1,074,445.30
STATION EQUATION		224+00.00	1,791,409.91	1,074,445.30
		223+98.29	1,791,409.91	1,074,445.30
PCC	CURVE 37B	223+98.29	1,791,409.91	1,074,445.30
PI	CURVE 37B	224+18.30	1,791,427.63	1,074,436.01
PRC	CURVE 37B	224+37.79	1,791,440.41	1,074,420.61
	CURVE 38			
PI	CURVE 38	224+72.96	1,791,462.87	1,074,393.55
PRC	CURVE 38	225+05.42	1,791,497.32	1,074,386.50
	CURVE 39			
PI	CURVE 39	225+17.87	1,791,509.51	1,074,384.01
PT	CURVE 39	225+30.18	1,791,477.29	1,074,288.55
PC	CURVE 40	226+95.83	1,791,669.92	1,074,306.65
PI	CURVE 40	227+18.77	1,791,690.59	1,074,296.68
PRC	CURVE 40	227+40.93	1,791,713.53	1,074,296.72
	CURVE 41			
PI	CURVE 41	227+63.87	1,791,736.47	1,074,296.76
PT	CURVE 41	227+86.03	1,791,757.13	1,074,286.79
PC	CURVE 42	230+17.74	1,791,965.83	1,074,186.15
PI	CURVE 42	230+90.26	1,792,031.16	1,074,154.64
PRC	CURVE 42	231+60.06	1,792,074.88	1,074,096.77
	CURVE 43			
PI	CURVE 43	231+80.68	1,792,087.31	1,074,080.32
PT	CURVE 43	232+00.72	1,792,105.23	1,074,070.13
PC	CURVE 44	232+14.48	1,792,117.19	1,074,063.33
PI	CURVE 44	232+36.01	1,792,135.90	1,074,052.68
PRC	CURVE 44	232+56.90	1,792,157.34	1,074,050.68
	CURVE 45			
PI	CURVE 45	233+10.92	1,792,211.13	1,074,045.66
PT	CURVE 45	233+63.80	1,792,259.80	1,074,022.20
STATION EQUATION		234+03.34	1,792,295.41	1,074,005.02
		234+00.00		
PC	CURVE 46	241+89.00	1,793,006.07	1,073,662.28
PI	CURVE 46	242+14.87	1,793,029.37	1,073,651.04
PRC	CURVE 46	242+39.62	1,793,055.20	1,073,652.52
	CURVE 47			
PI	CURVE 47	243+01.86	1,793,117.33	1,073,656.06
PRC	CURVE 47	243+61.05	1,793,172.45	1,073,627.17
	CURVE 48			
PI	CURVE 48	243+89.23	1,793,197.40	1,073,614.09
PT	CURVE 48	244+16.83	1,793,225.33	1,073,610.32
PC	CURVE 49	247+88.55	1,793,593.71	1,073,560.62
PI	CURVE 49	248+03.86	1,793,608.88	1,073,558.57
PT	CURVE 49	248+19.13	1,793,624.19	1,073,558.39
PC	CURVE 50	249+63.95	1,793,769.00	1,073,556.68
PI	CURVE 50	249+79.37	1,793,784.41	1,073,556.50
PRC	CURVE 50	249+94.54	1,793,799.05	1,073,551.68
	CURVE 51			
PI	CURVE 51	250+09.16	1,793,812.94	1,073,547.12
PT	CURVE 51	250+23.57	1,793,827.55	1,073,546.72
PC	CURVE 52	261+74.62	1,794,978.19	1,073,515.47
PI	CURVE 52	261+90.18	1,794,993.74	1,073,515.04
PT	CURVE 52	262+05.63	1,795,008.87	1,073,511.43

PR VMT SOUTH TRAIL ALIGNMENT COORDINATES				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
PC	CURVE 53	262+48.74	1,795,050.81	1,073,501.43
PI	CURVE 53	262+64.19	1,795,065.83	1,073,497.84
PT	CURVE 53	262+79.53	1,795,081.28	1,073,497.40
PI		262+96.13	1,795,097.87	1,073,496.92
PI		266+29.40	1,795,431.04	1,073,488.54
PI		269+05.75	1,795,707.27	1,073,480.68
PC	CURVE 54	271+63.29	1,795,964.80	1,073,478.79
PI	CURVE 54	271+76.94	1,795,978.46	1,073,478.69
PT	CURVE 54	271+90.58	1,795,992.05	1,073,480.08
PC	CURVE 55	272+24.35	1,796,025.65	1,073,483.52
PI	CURVE 55	272+41.06	1,796,042.27	1,073,485.21
PT	CURVE 55	272+57.72	1,796,058.97	1,073,484.69
PC	CURVE 56	272+73.19	1,796,074.44	1,073,484.20
PI	CURVE 56	272+89.90	1,796,091.14	1,073,483.67
PT	CURVE 56	273+06.56	1,796,107.62	1,073,480.92
PC	CURVE 57	273+36.60	1,796,137.25	1,073,475.98
PI	CURVE 57	273+49.97	1,796,150.44	1,073,473.79
PT	CURVE 57	273+63.29	1,796,163.80	1,073,473.36
PC	CURVE 58	274+09.04	1,796,209.52	1,073,471.92
PI	CURVE 58	274+27.61	1,796,228.08	1,073,471.33
PT	CURVE 58	274+45.76	1,796,246.61	1,073,477.45
PC	CURVE 59	274+45.76	1,796,245.61	1,073,477.45
PI	CURVE 59	274+64.52	1,796,263.33	1,073,483.62
PT	CURVE 59	274+82.85	1,796,282.08	1,073,482.96
POT		276+62.99	1,796,462.10	1,073,476.58

**EX BRUCE ROAD COORDINATES**

POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		120+00.00	1,785,882.84	1,076,930.99
POT		140+00.00	1,785,953.94	1,078,929.73

**EX 167TH STREET COORDINATES**

POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		33+00.00	1,791,102.95	1,074,413.55
POT		51+06.99	1,791,170.21	1,076,219.29

**EX GOUGAR ROAD COORDINATES**

POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		48+50.75	1,793,730.89	1,073,508.33
PI		55+27.86	1,794,407.77	1,073,490.53
PI		58+19.99	1,794,699.78	1,073,482.28
PI		68+12.74	1,795,692.15	1,073,454.97
PI		73+04.94	1,796,184.14	1,073,440.70
PI		73+22.37	1,796,201.57	1,073,440.28
POT		74+77.32	1,796,356.44	1,073,435.38



USER NAME = ken.moy  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021  
 PLOT SCALE = 400.0000' / in.  
 PLOT DATE = 2/8/2021

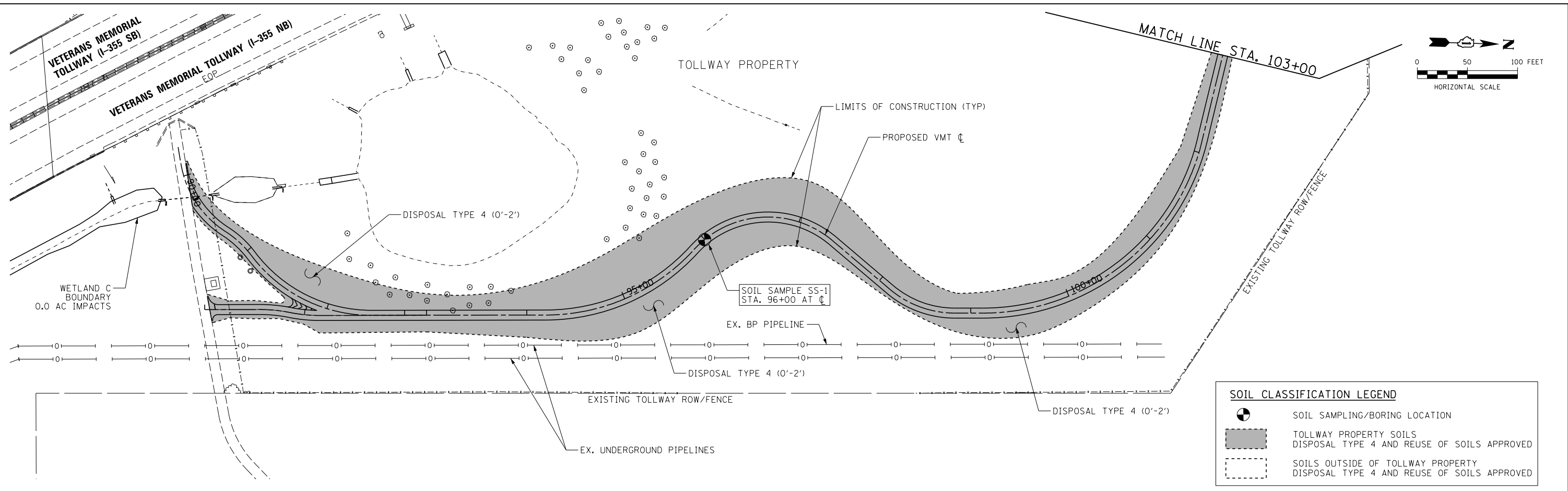
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 CHECKED - KLM  
 DATE - 2/09/2021  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

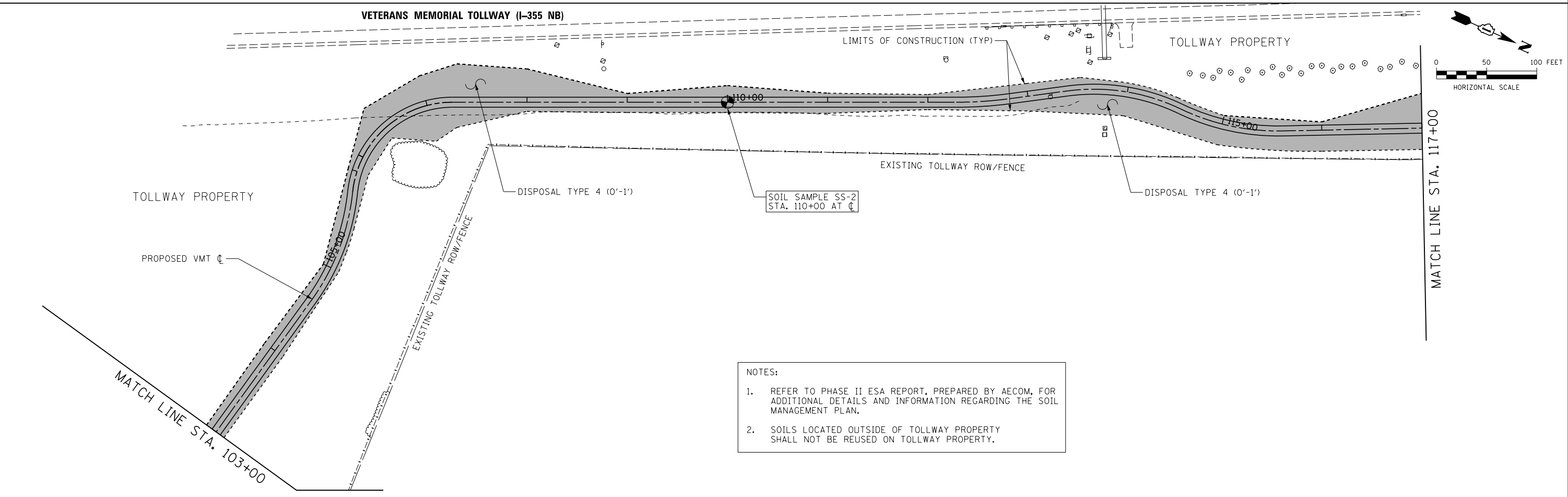
**VETERANS MEMORIAL TRAIL  
 ALIGNMENT, TIES, AND BENCHMARKS**  
 SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	35
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\aecom-na-pw-bentl\edf\am\CD\LD520\_NA\_2019\Documents\25369593-Forrest\_Preserve-District\900-CAD\_615\110-CAD\_WillFPD\_25369593\_VeteransTrail\Phase2\_Dr-wings\Soil\_Management\SoilMgmt-01.dgn



SOIL CLASSIFICATION LEGEND	
	SOIL SAMPLING/BORING LOCATION
	TOLLWAY PROPERTY SOILS DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED
	SOILS OUTSIDE OF TOLLWAY PROPERTY DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED



- NOTES:
- REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
  - SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.



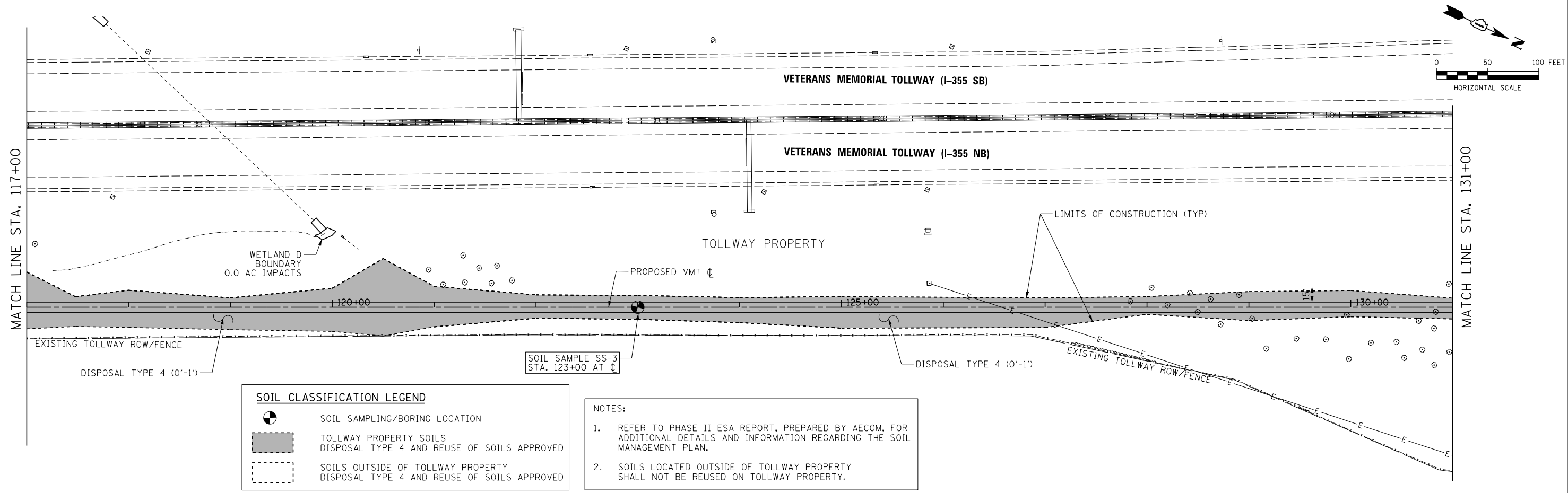
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	DRAWN - JN	REVISED -
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PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
SOIL MANAGEMENT PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	36
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

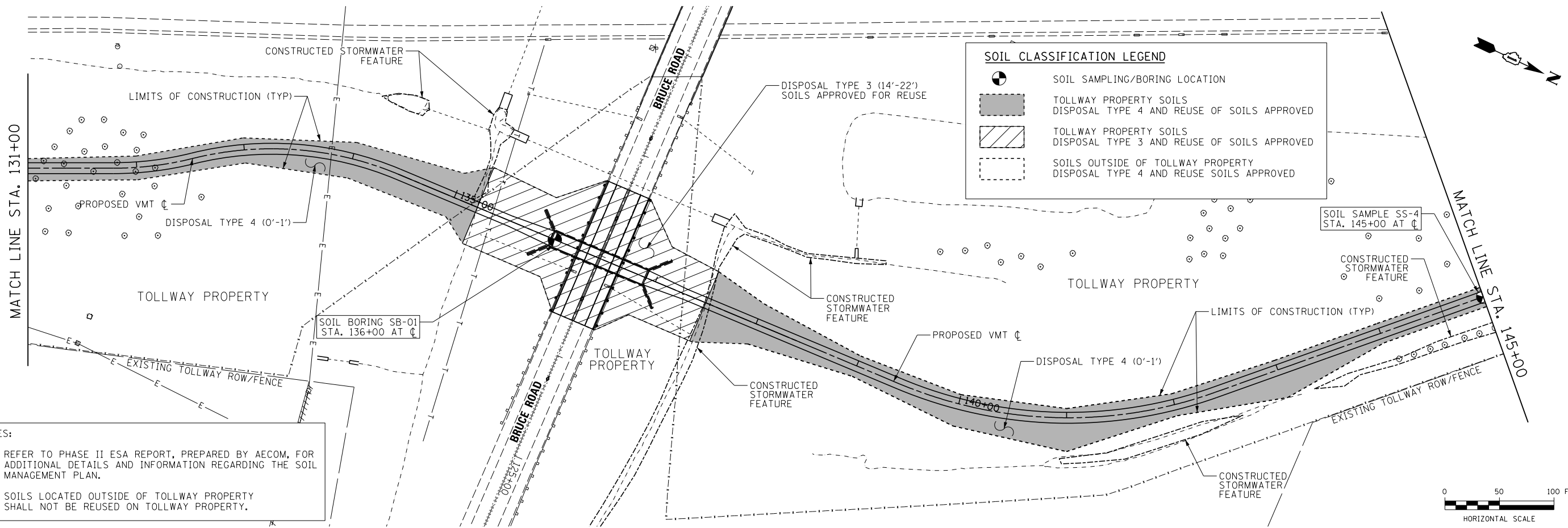


**SOIL CLASSIFICATION LEGEND**

- SOIL SAMPLING/BORING LOCATION
- TOLLWAY PROPERTY SOILS  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED
- SOILS OUTSIDE OF TOLLWAY PROPERTY  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED

**NOTES:**

1. REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
2. SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.



**SOIL CLASSIFICATION LEGEND**

- SOIL SAMPLING/BORING LOCATION
- TOLLWAY PROPERTY SOILS  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED
- TOLLWAY PROPERTY SOILS  
DISPOSAL TYPE 3 AND REUSE OF SOILS APPROVED
- SOILS OUTSIDE OF TOLLWAY PROPERTY  
DISPOSAL TYPE 4 AND REUSE SOILS APPROVED

**NOTES:**

1. REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
2. SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.



USER NAME = kenuoy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

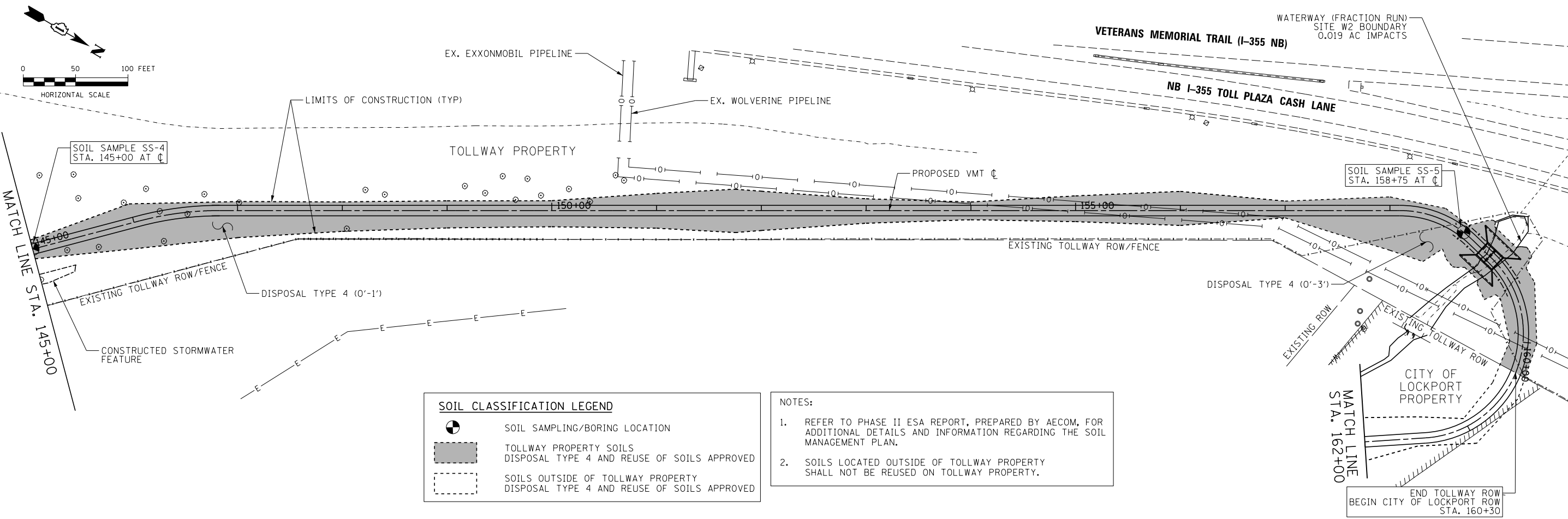
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SOIL MANAGEMENT PLAN**

SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	37
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

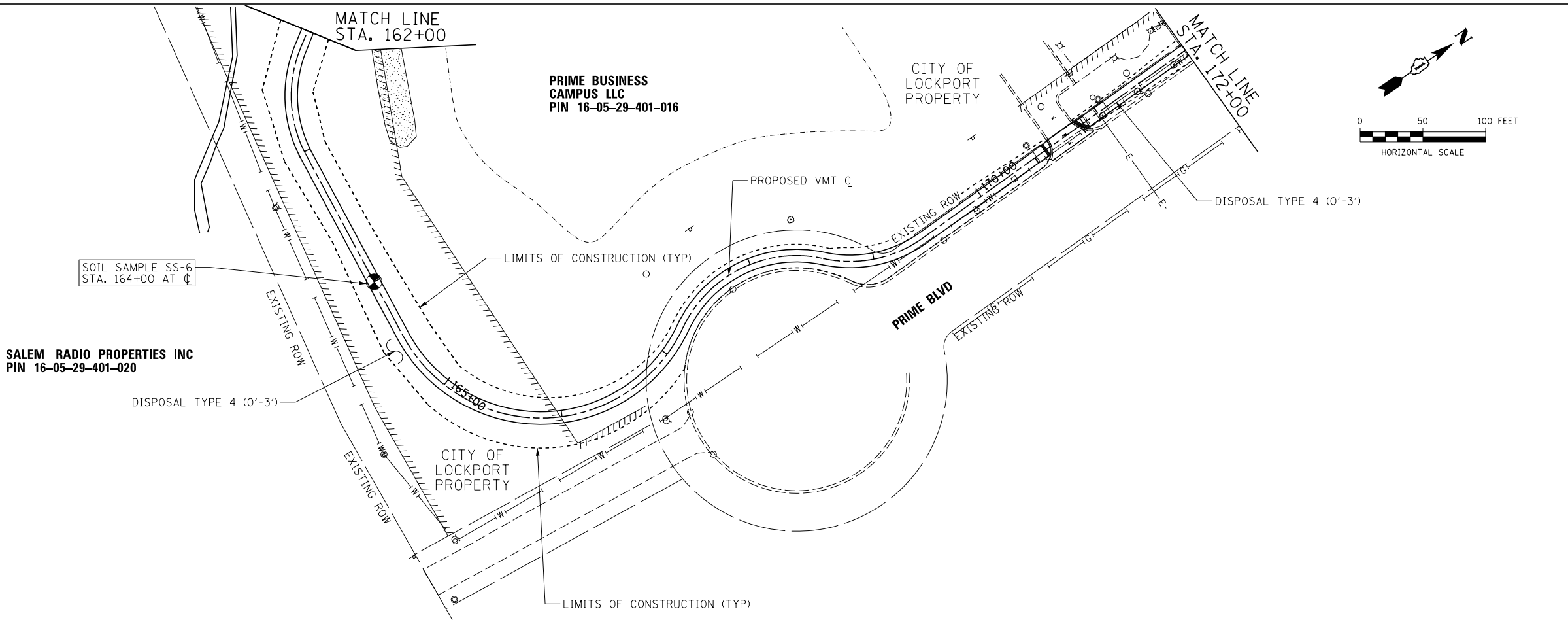
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**SOIL CLASSIFICATION LEGEND**

- SOIL SAMPLING/BORING LOCATION
- TOLLWAY PROPERTY SOILS DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED
- SOILS OUTSIDE OF TOLLWAY PROPERTY DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED

- NOTES:**
- REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
  - SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.



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USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

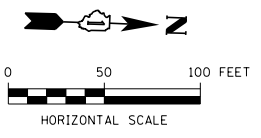
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SOIL MANAGEMENT PLAN**

SCALE: 1"=50'

SHEET 3 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	38
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

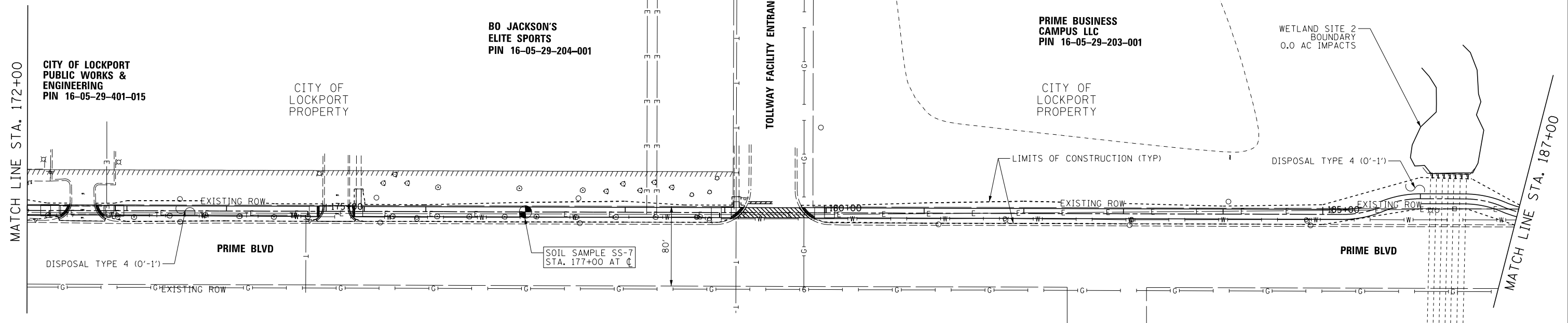


**SOIL CLASSIFICATION LEGEND**

- SOIL SAMPLING/BORING LOCATION
- TOLLWAY PROPERTY SOILS DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED
- SOILS OUTSIDE OF TOLLWAY PROPERTY DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED

**NOTES:**

- REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
- SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.

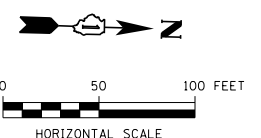
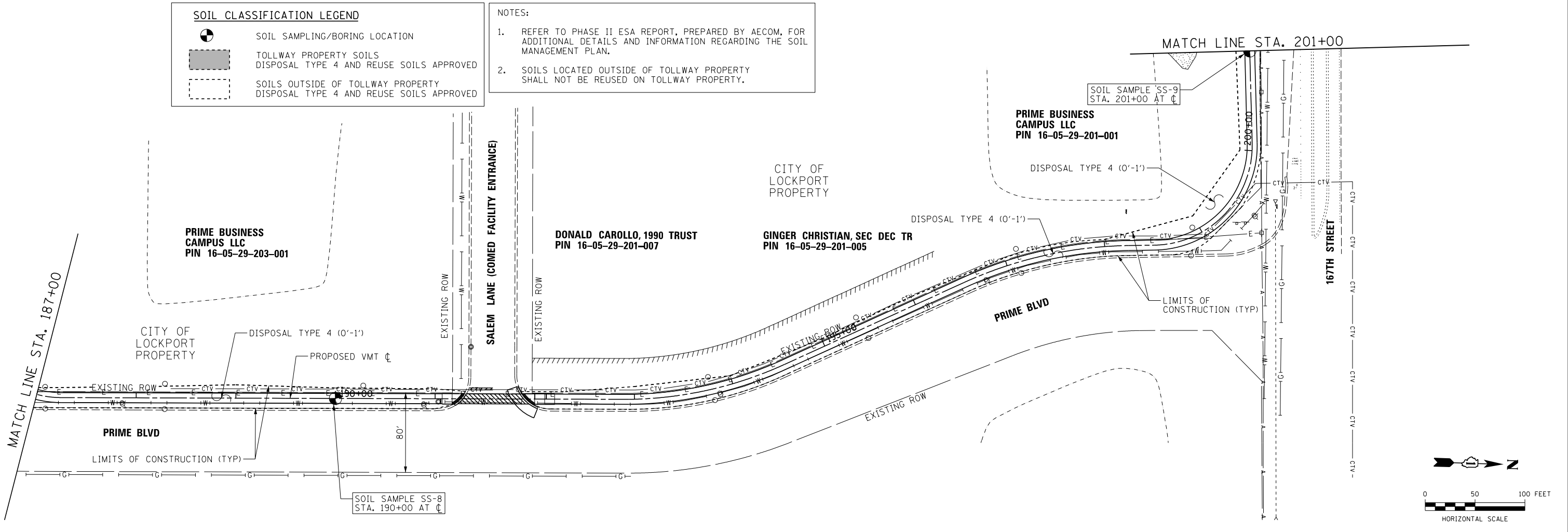


**SOIL CLASSIFICATION LEGEND**

- SOIL SAMPLING/BORING LOCATION
- TOLLWAY PROPERTY SOILS DISPOSAL TYPE 4 AND REUSE SOILS APPROVED
- SOILS OUTSIDE OF TOLLWAY PROPERTY DISPOSAL TYPE 4 AND REUSE SOILS APPROVED

**NOTES:**

- REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
- SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.



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USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

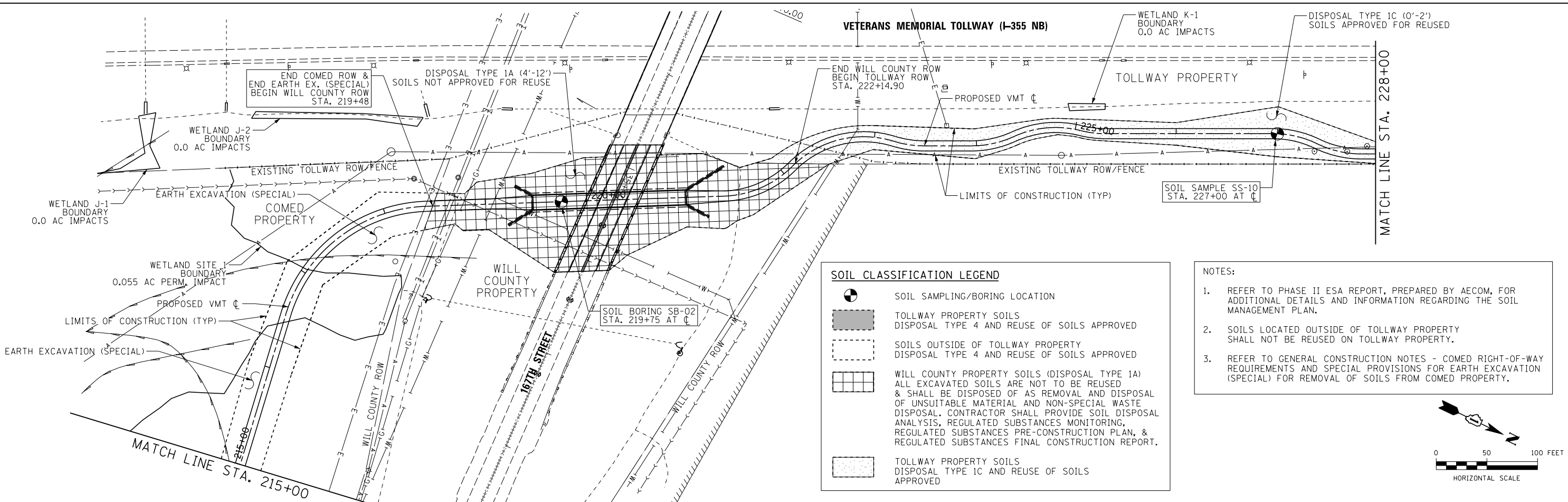
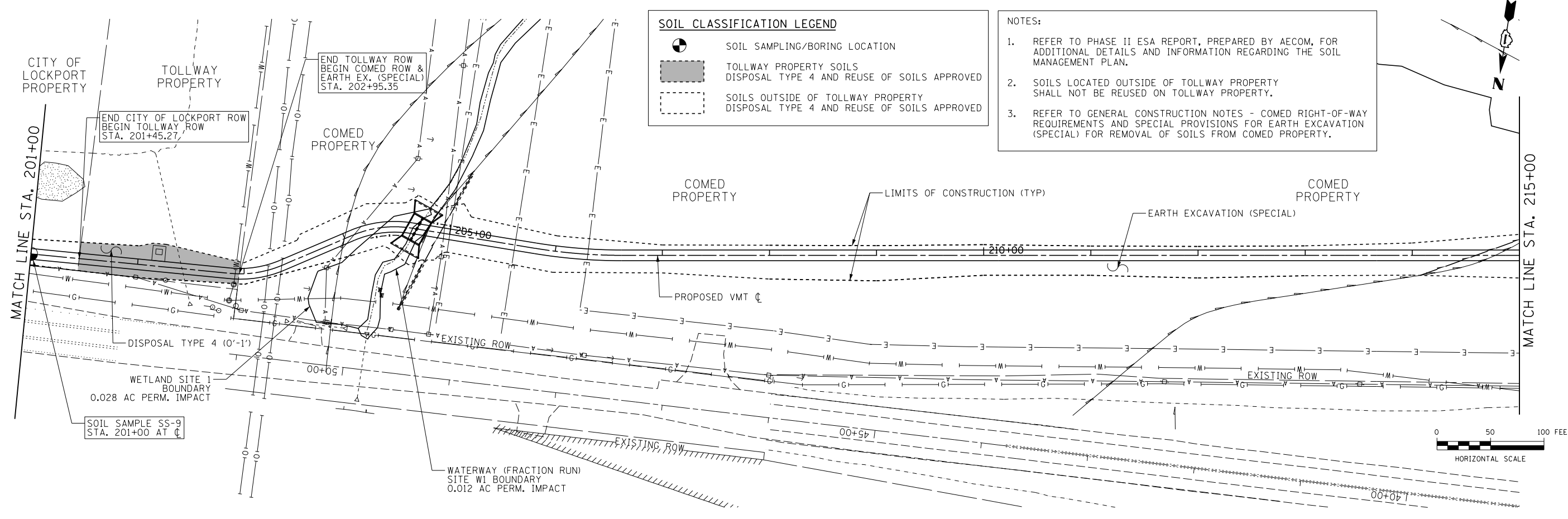
**VETERANS MEMORIAL TRAIL  
SOIL MANAGEMENT PLAN**

SCALE: 1"=50'

SHEET 4 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	39
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

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USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

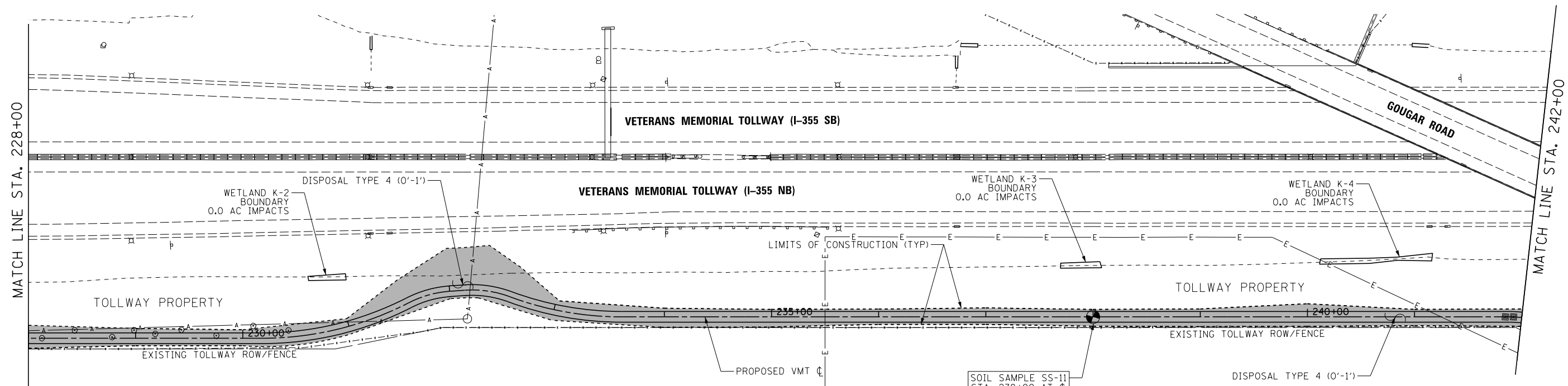
VETERANS MEMORIAL TRAIL  
SOIL MANAGEMENT PLAN

SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	40
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



FILE NAME = p:\aecom-na-pw-bentl\gofam\AECOM\DS28\_NA\_2019\Documents\25369593-Forest\_Preserve-District\900-CAD\_GIS\910-CAD\_WillFPD\_25369593\_VeteransTrail\Soil\_Mgmt\_06.dgn

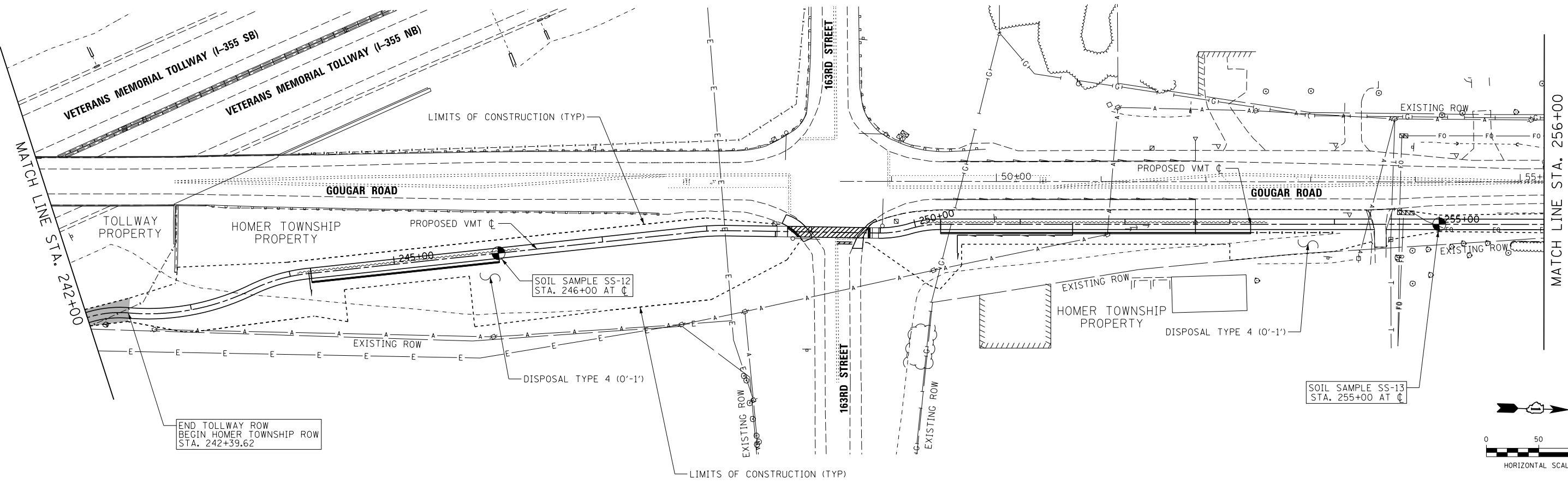
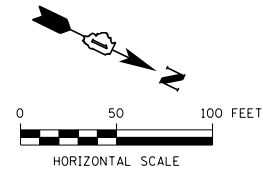


**SOIL CLASSIFICATION LEGEND**

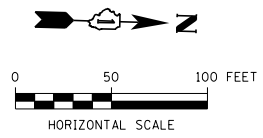
- SOIL SAMPLING/BORING LOCATION
- TOLLWAY PROPERTY SOILS  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED
- SOILS OUTSIDE OF TOLLWAY PROPERTY  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED

**NOTES:**

- REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
- SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.



END TOLLWAY ROW  
BEGIN HOMER TOWNSHIP ROW  
STA. 242+39.62



USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -




**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SOIL MANAGEMENT PLAN**

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. TO STA.

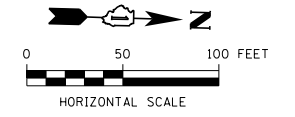
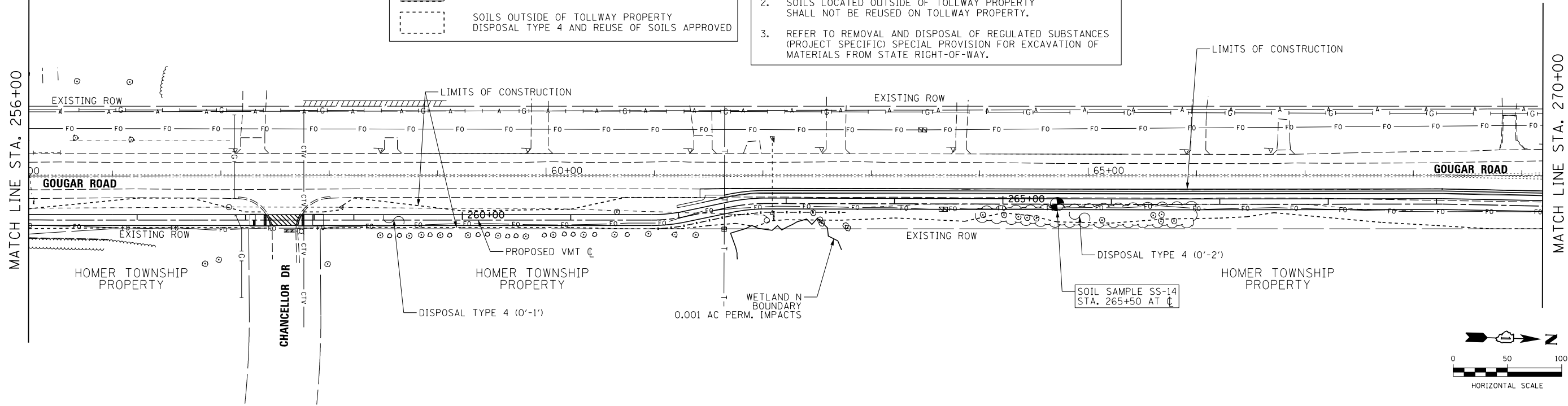
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

**SOIL CLASSIFICATION LEGEND**




-  SOIL SAMPLING/BORING LOCATION
-  TOLLWAY PROPERTY SOILS  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED
-  SOILS OUTSIDE OF TOLLWAY PROPERTY  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED

**NOTES:**

- REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
- SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.
- REFER TO REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (PROJECT SPECIFIC) SPECIAL PROVISION FOR EXCAVATION OF MATERIALS FROM STATE RIGHT-OF-WAY.

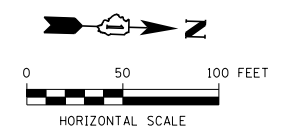
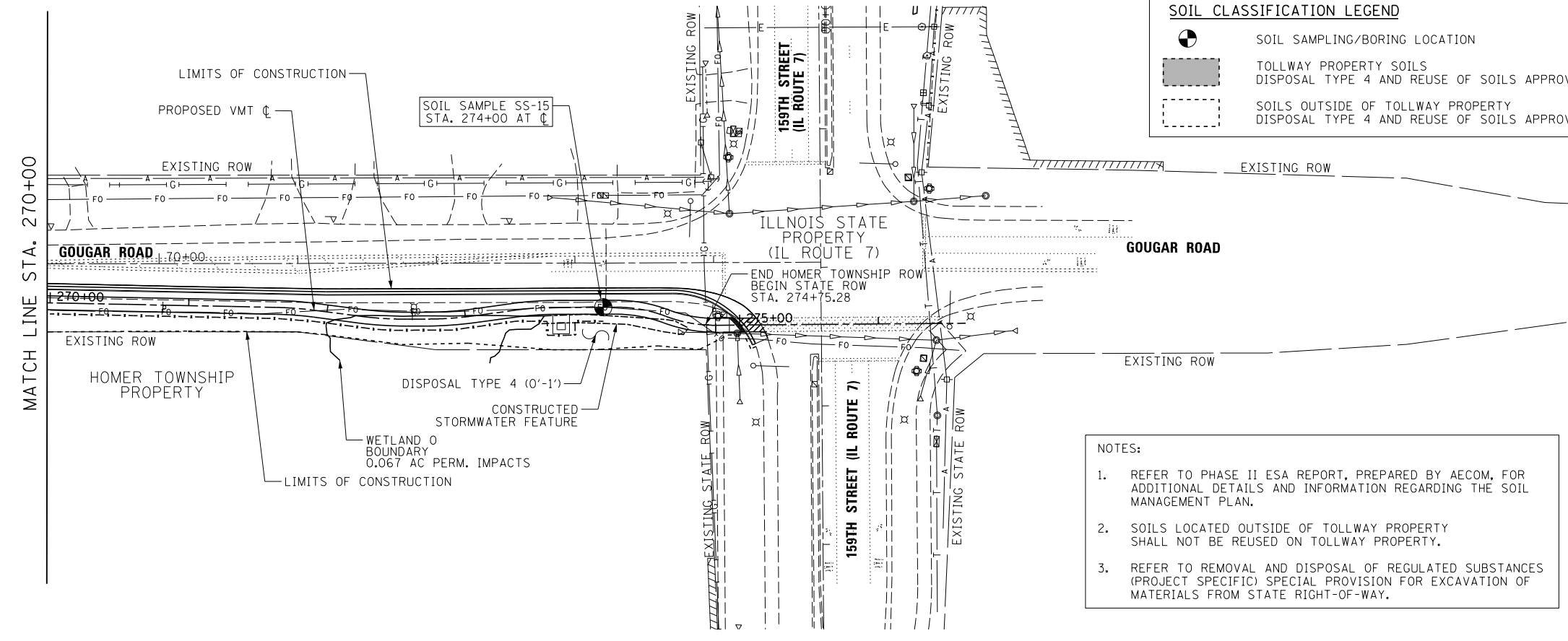


**SOIL CLASSIFICATION LEGEND**

-  SOIL SAMPLING/BORING LOCATION
-  TOLLWAY PROPERTY SOILS  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED
-  SOILS OUTSIDE OF TOLLWAY PROPERTY  
DISPOSAL TYPE 4 AND REUSE OF SOILS APPROVED

**NOTES:**

- REFER TO PHASE II ESA REPORT, PREPARED BY AECOM, FOR ADDITIONAL DETAILS AND INFORMATION REGARDING THE SOIL MANAGEMENT PLAN.
- SOILS LOCATED OUTSIDE OF TOLLWAY PROPERTY SHALL NOT BE REUSED ON TOLLWAY PROPERTY.
- REFER TO REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (PROJECT SPECIFIC) SPECIAL PROVISION FOR EXCAVATION OF MATERIALS FROM STATE RIGHT-OF-WAY.



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USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

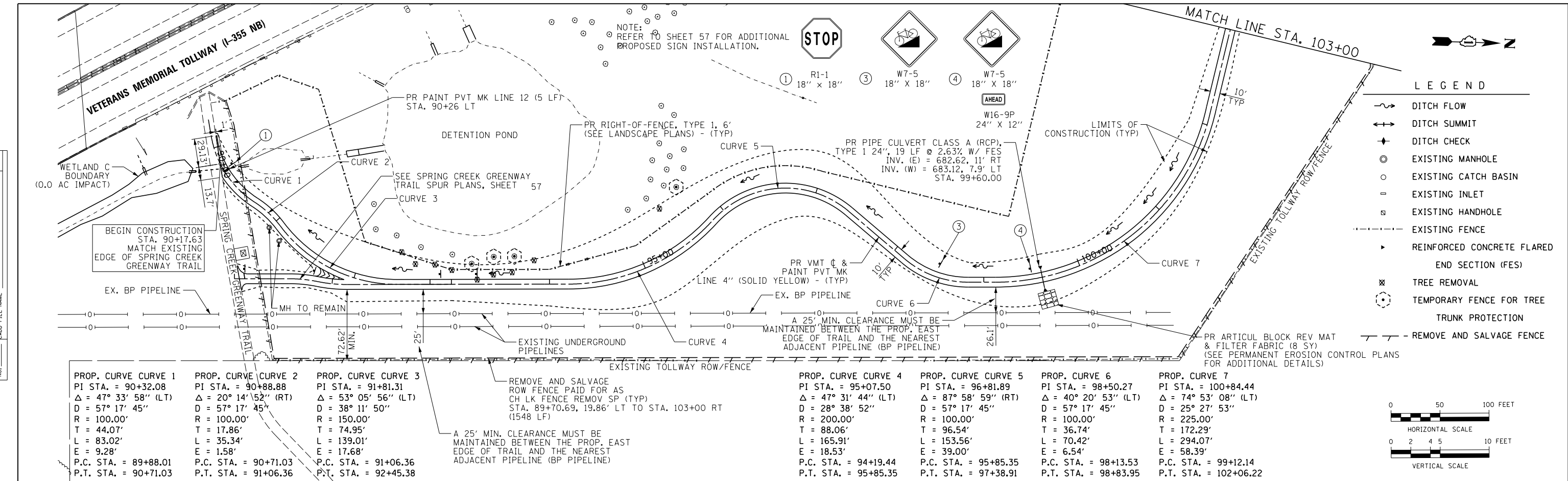
**VETERANS MEMORIAL TRAIL  
SOIL MANAGEMENT PLAN**

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

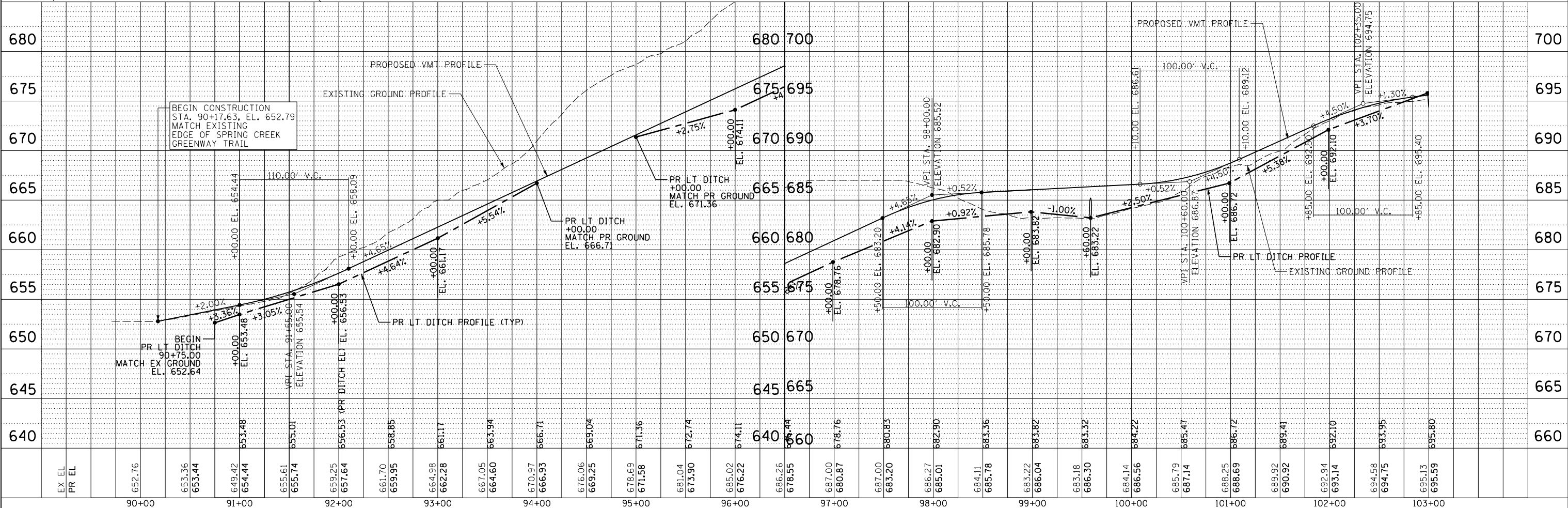
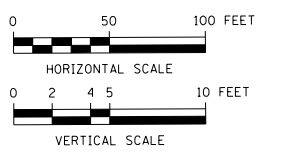
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	42
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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

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



<b>PROP. CURVE CURVE 1</b> PI STA. = 90+32.08 $\Delta = 47^\circ 33' 58''$ (LT) $D = 57' 17' 45''$ $R = 100.00'$ $T = 44.07'$ $L = 83.02'$ $E = 9.28'$ P.C. STA. = 89+88.01 P.T. STA. = 90+71.03	<b>PROP. CURVE CURVE 2</b> PI STA. = 90+88.88 $\Delta = 20^\circ 14' 52''$ (RT) $D = 57' 17' 45''$ $R = 100.00'$ $T = 17.86'$ $L = 35.34'$ $E = 1.58'$ P.C. STA. = 90+71.03 P.T. STA. = 91+06.36	<b>PROP. CURVE CURVE 3</b> PI STA. = 91+81.31 $\Delta = 53^\circ 05' 56''$ (LT) $D = 38' 11' 50''$ $R = 150.00'$ $T = 74.95'$ $L = 139.01'$ $E = 17.68'$ P.C. STA. = 91+06.36 P.T. STA. = 92+45.38	<b>PROP. CURVE CURVE 4</b> PI STA. = 95+07.50 $\Delta = 47^\circ 31' 44''$ (LT) $D = 28' 38' 52''$ $R = 200.00'$ $T = 88.06'$ $L = 165.91'$ $E = 18.53'$ P.C. STA. = 94+19.44 P.T. STA. = 95+85.35	<b>PROP. CURVE CURVE 5</b> PI STA. = 96+81.89 $\Delta = 87^\circ 58' 59''$ (RT) $D = 57' 17' 45''$ $R = 100.00'$ $T = 96.54'$ $L = 153.56'$ $E = 39.00'$ P.C. STA. = 95+85.35 P.T. STA. = 97+38.91	<b>PROP. CURVE CURVE 6</b> PI STA. = 98+50.27 $\Delta = 40^\circ 20' 53''$ (LT) $D = 57' 17' 45''$ $R = 100.00'$ $T = 36.74'$ $L = 70.42'$ $E = 6.54'$ P.C. STA. = 98+13.53 P.T. STA. = 98+83.95	<b>PROP. CURVE CURVE 7</b> PI STA. = 100+84.44 $\Delta = 74^\circ 53' 08''$ (LT) $D = 25' 27' 53''$ $R = 225.00'$ $T = 172.29'$ $L = 294.07'$ $E = 58.39'$ P.C. STA. = 99+12.14 P.T. STA. = 102+06.22
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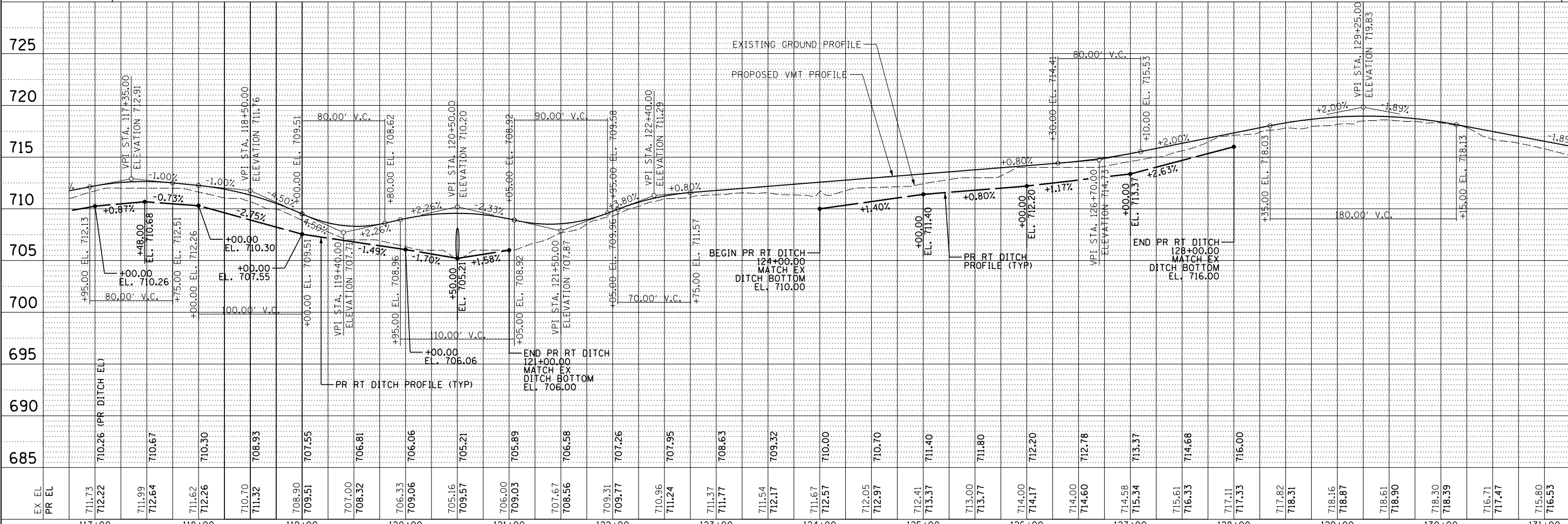
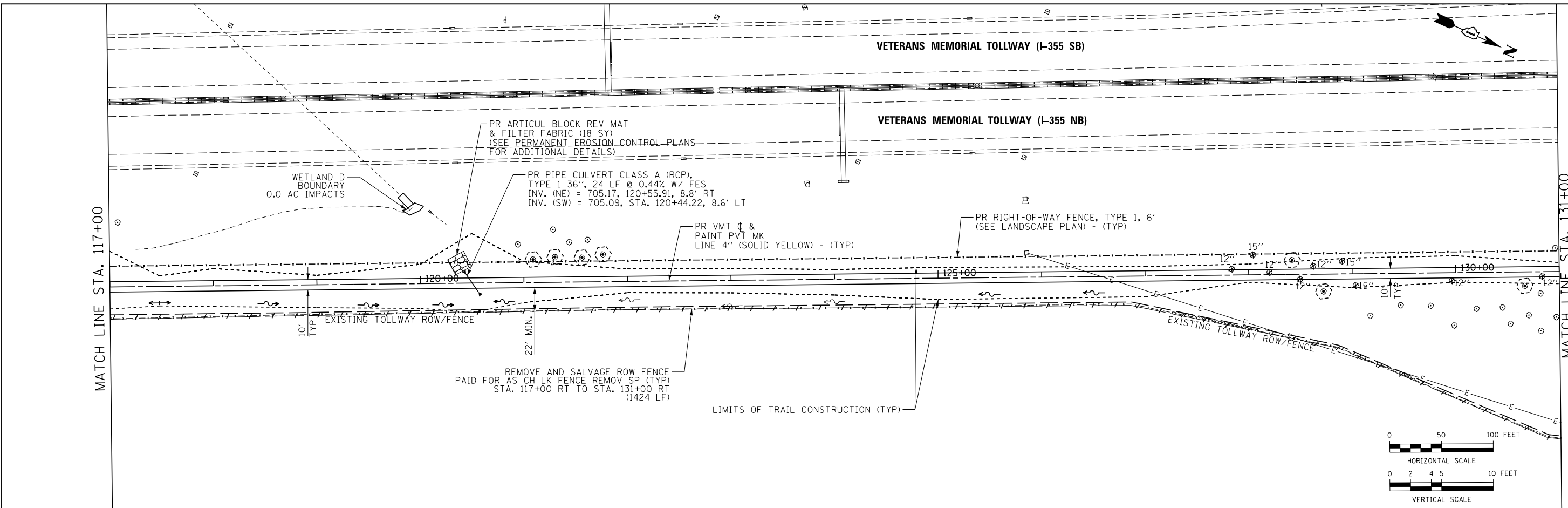




PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

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

FILE NAME: c:\pwworking\aecom\_data\2019\ken.moy@aecom.com\1165474\Phase1\_003.dgn



USER NAME = ken.moy  
 DRAWN - KLM  
 CHECKED - BMC  
 DATE - 2/09/2021

DESIGNED - KLM  
 REVISIONS:  
 REVISIONS:  
 REVISIONS:  
 REVISIONS:

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

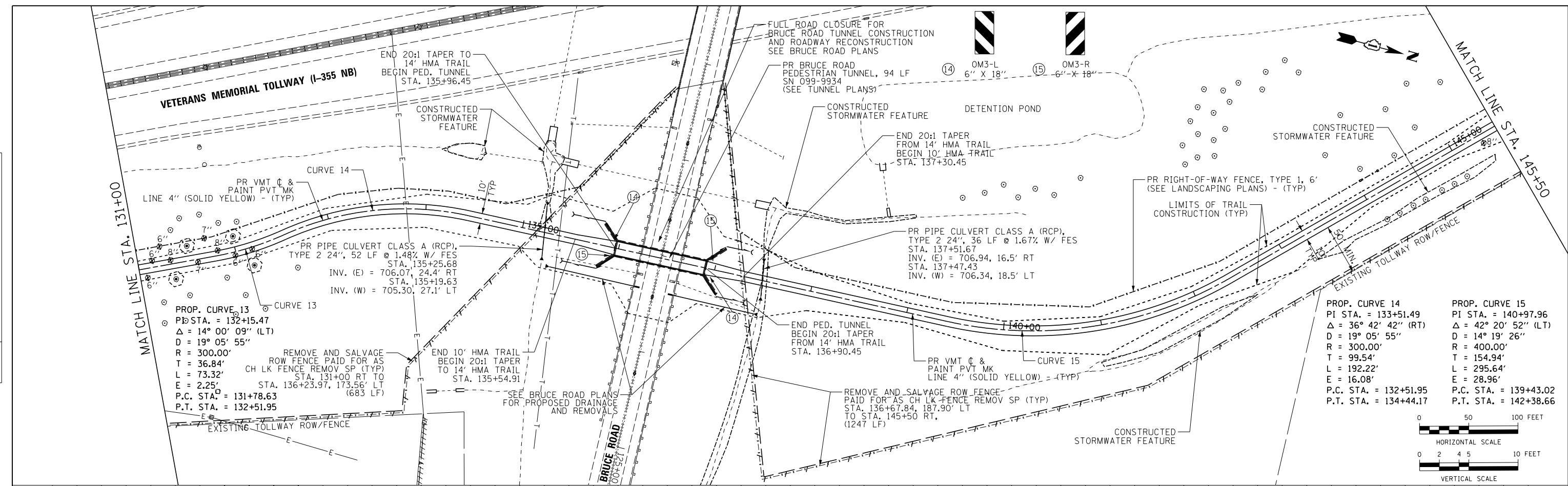
VETERANS MEMORIAL TRAIL  
 PLAN AND PROFILE, DRAINAGE, SIGNING, AND PAVEMENT MARKING

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	45
CONTRACT NO. 61G74			

SCALE: 1" = 50' SHEET NO. 3 OF 15 SHEETS STA. TO STA.

PLAN	SURVEYED	DATE
	NOTED	
	PLOTTED	
	CHECKED	
	BY	
	NO.	

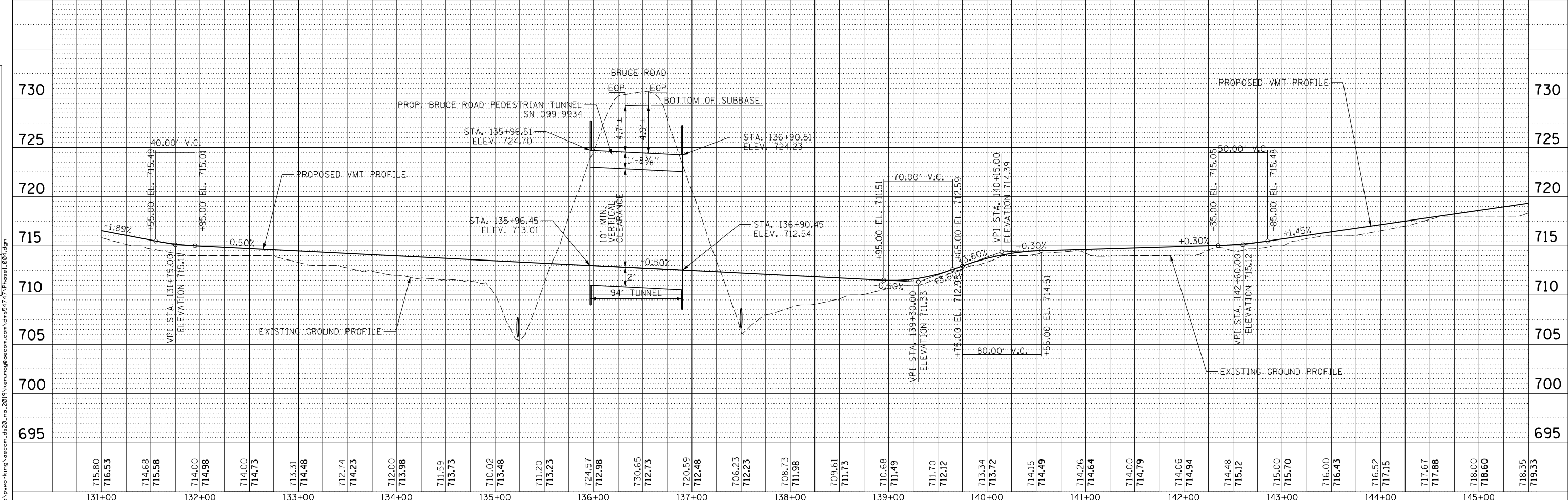
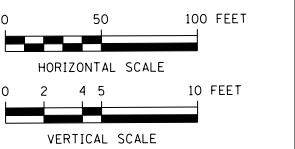
PROFILE	SURVEYED	DATE
	NOTED	
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	



**PROPR. CURVE 13**  
 PI STA. = 132+15.47  
 Δ = 14° 00' 09" (LT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 36.84'  
 L = 73.32'  
 E = 2.25'  
 P.C. STA. = 131+78.63  
 P.T. STA. = 132+51.95

**PROPR. CURVE 14**  
 PI STA. = 133+51.49  
 Δ = 36° 42' 42" (RT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 99.54'  
 L = 192.22'  
 E = 16.08'  
 P.C. STA. = 132+51.95  
 P.T. STA. = 134+44.17

**PROPR. CURVE 15**  
 PI STA. = 140+97.96  
 Δ = 42° 20' 52" (LT)  
 D = 14° 19' 26"  
 R = 400.00'  
 T = 154.94'  
 L = 295.64'  
 E = 28.96'  
 P.C. STA. = 139+43.02  
 P.T. STA. = 142+38.66



USER NAME = ken.moy  
 PLOT SCALE = 100.0000' / 1".  
 PLOT DATE = 2/8/2021

DESIGNED - KLM  
 DRAWN - KLM  
 CHECKED - BMC  
 DATE - 2/09/2021

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 PLAN AND PROFILE, DRAINAGE, SIGNING, AND  
 PAVEMENT MARKING

SCALE: 1" = 50' SHEET NO. 4 OF 15 SHEETS STA. TO STA.

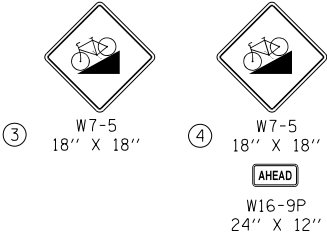
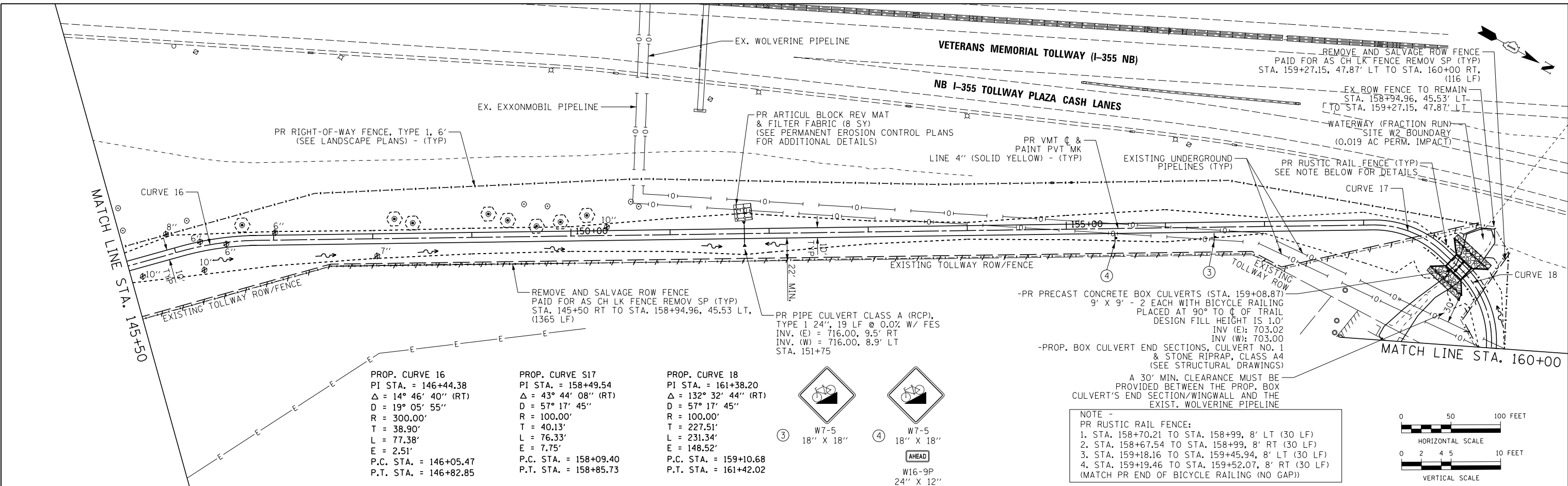
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	46
		CONTRACT NO. 61G74	

FILE NAME = c:\p\proj\11\m\ecom\_da20\_0a\_2019\ken.moy@ecom.com\mva5474\Phase1\_004.dgn

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

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

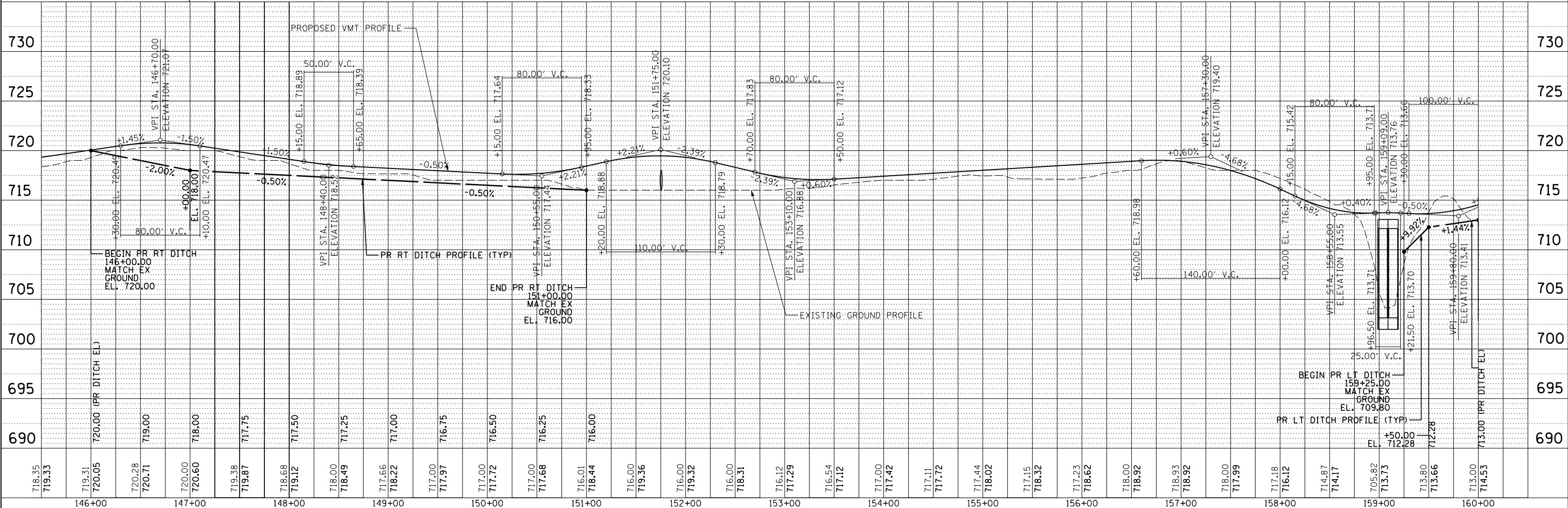
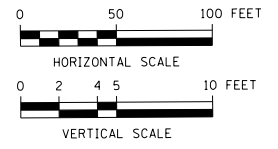
FILE NAME: c:\pwworking\aecom\ds20\ra\_2019\ken.moy@aecom.com\dms5474\Phase1\_005.dgn



**NOTE -**

PR RUSTIC RAIL FENCE:

- STA. 158+70.21 TO STA. 158+99, 8' LT (30 LF)
- STA. 158+67.54 TO STA. 158+99, 8' RT (30 LF)
- STA. 159+18.16 TO STA. 159+45.94, 8' LT (30 LF)
- STA. 159+19.46 TO STA. 159+52.07, 8' RT (30 LF) (MATCH PR END OF BICYCLE RAILING (NO GAP))



USER NAME = ken.moy  
PLOT SCALE = 100.0000' / 1".  
PLOT DATE = 2/8/2021

DESIGNED - KLM	REVISED -
DRAWN - KLM	REVISED -
CHECKED - BMC	REVISED -
DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
PLAN AND PROFILE, DRAINAGE, SIGNING, AND PAVEMENT MARKING

SCALE: 1" = 50'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	47
		CONTRACT NO. 61G74	

PROP. CURVE 18  
 PI STA. = 161+38.20  
 $\Delta = 132^\circ 32' 44''$  (RT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 227.51'$   
 $L = 231.34'$   
 $E = 148.52'$   
 P.C. STA. = 159+10.68  
 P.T. STA. = 161+42.02

PROP. CURVE 20  
 PI STA. = 166+97.11  
 $\Delta = 126^\circ 38' 25''$  (LT)  
 $D = 45^\circ 50' 12''$   
 $R = 125.00'$   
 $T = 248.75'$   
 $L = 276.29'$   
 $E = 153.39'$   
 P.C. STA. = 164+48.36  
 P.T. STA. = 167+24.64

PROP. CURVE 22  
 PI STA. = 169+03.71  
 $\Delta = 47^\circ 52' 18''$  (LT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 44.39'$   
 $L = 83.55'$   
 $E = 9.41'$   
 P.C. STA. = 168+59.32  
 P.T. STA. = 169+42.87

PROP. CURVE 19  
 PI STA. = 162+62.05  
 $\Delta = 50^\circ 23' 40''$  (LT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 47.05'$   
 $L = 87.95'$   
 $E = 10.52'$   
 P.C. STA. = 162+15.00  
 P.T. STA. = 163+02.96

PROP. CURVE 21  
 PI STA. = 168+04.42  
 $\Delta = 77^\circ 09' 46''$  (RT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 79.78'$   
 $L = 134.67'$   
 $E = 27.92'$   
 P.C. STA. = 167+24.64  
 P.T. STA. = 168+59.32

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

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



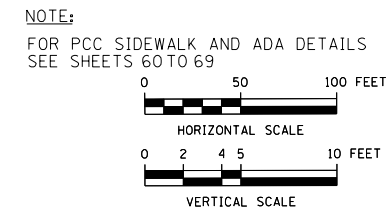
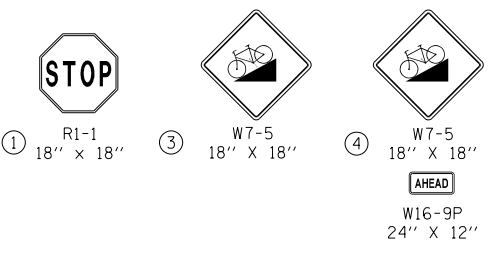
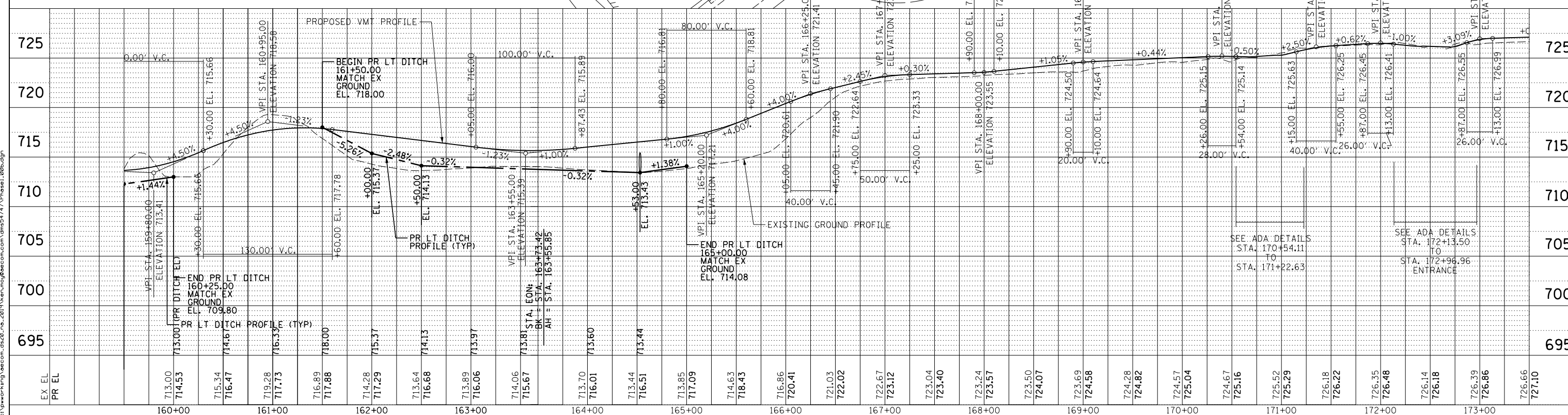
USER NAME = ken.moy  
 DESIGNED - KLM  
 DRAWN - KLM  
 CHECKED - BMC  
 DATE - 2/09/2021

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 PLAN AND PROFILE, DRAINAGE, SIGNING, AND PAVEMENT MARKING

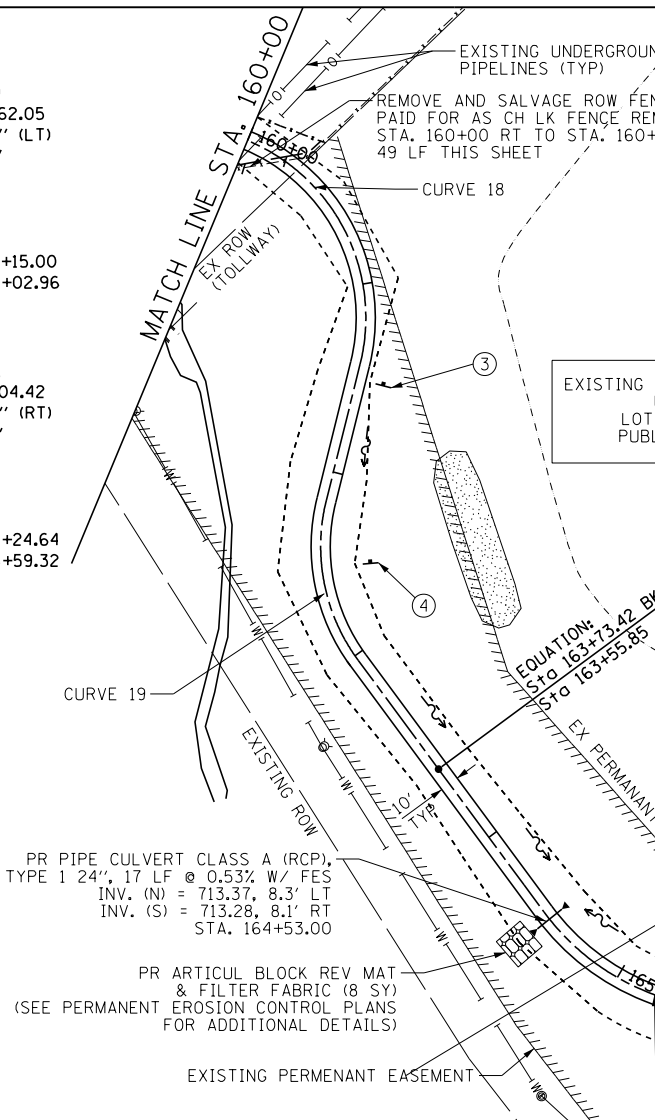
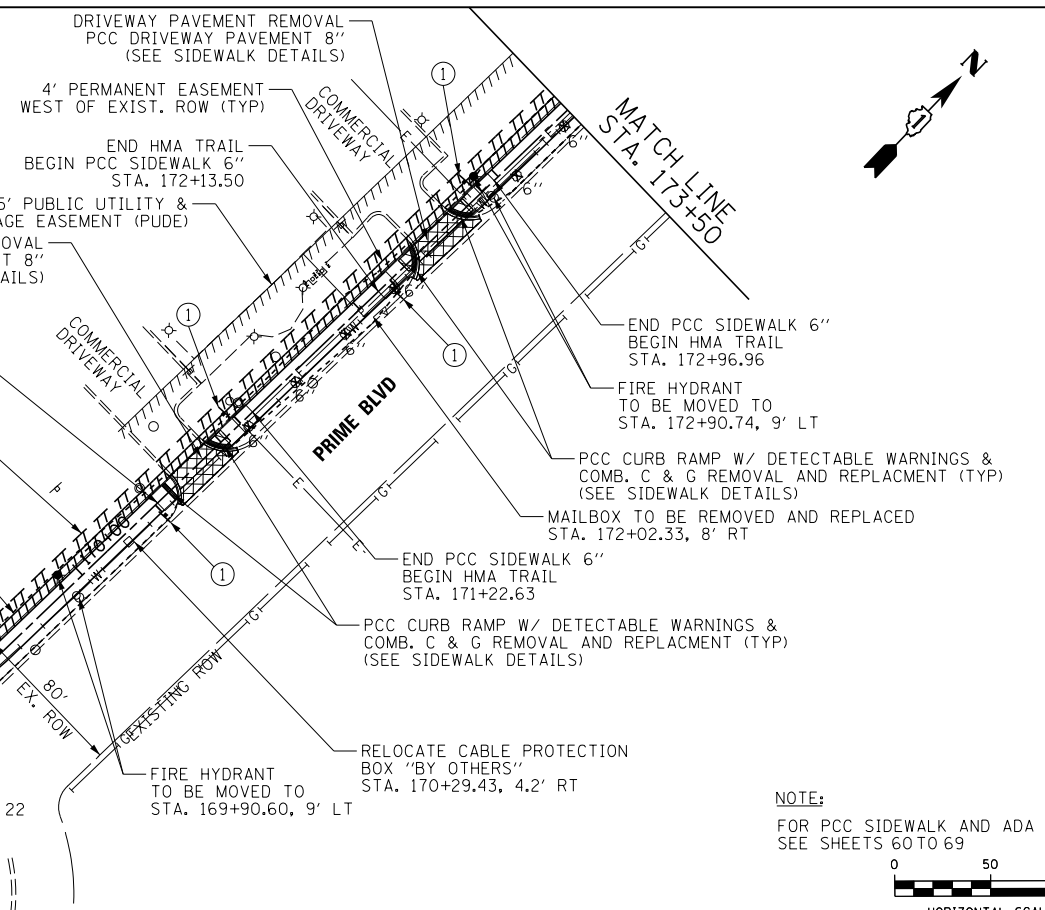
SECTION 11-F3001-01-BT  
 COUNTY WILL  
 TOTAL SHEETS 234  
 SHEET NO. 48  
 CONTRACT NO. 61G74



NOTE:  
 FOR PCC SIDEWALK AND ADA DETAILS  
 SEE SHEETS 60 TO 69

CITY OF LOCKPORT  
 PUBLIC WORKS &  
 ENGINEERING  
 PIN 16-05-29-401-015

PRIME BUSINESS CAMPUS LLC  
 PIN 16-05-29-401-016



PR PIPE CULVERT CLASS A (RCP),  
 TYPE 1 24", 17 LF @ 0.53% W/ FES  
 INV. (N) = 713.37, 8.3' LT  
 INV. (S) = 713.28, 8.1' RT  
 STA. 164+53.00

PR ARTICUL BLOCK REV MAT  
 & FILTER FABRIC (8 SY)  
 (SEE PERMANENT EROSION CONTROL PLANS  
 FOR ADDITIONAL DETAILS)

EXISTING BLANKET EASEMENT OVER,  
 UNDER, UPON AND ACROSS  
 LOT 15 FOR THE PURPOSE OF  
 PUBLIC UTILITIES & DRAINAGE

10' TEMPORARY EASEMENT  
 WEST OF EXIST. ROW (TYP)

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

BEGIN TEMP. ESMT  
 STA. 169+03.52  
 17.8' LT

BEGIN PERM. ESMT  
 STA. 168+96.23  
 10.0' LT

PR VMT C &  
 PAINT PVT MK  
 LINE 4" (YELLOW) (TYP)

RELOCATE CABLE PROTECTION  
 BOX "BY OTHERS"  
 STA. 170+29.43, 4.2' RT

FIRE HYDRANT  
 TO BE MOVED TO  
 STA. 169+90.60, 9' LT

PCC CURB RAMP W/ DETECTABLE WARNINGS &  
 COMB. C & G REMOVAL AND REPLACMENT (TYP)  
 (SEE SIDEWALK DETAILS)

END PCC SIDEWALK 6"  
 BEGIN HMA TRAIL  
 STA. 171+22.63

PCC CURB RAMP W/ DETECTABLE WARNINGS &  
 COMB. C & G REMOVAL AND REPLACMENT (TYP)  
 (SEE SIDEWALK DETAILS)

END HMA TRAIL  
 BEGIN PCC SIDEWALK 6"  
 STA. 170+54.11

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

EXISTING 35' PUBLIC UTILITY &  
 DRAINAGE EASEMENT (PUDE)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

END PCC SIDEWALK 6"  
 BEGIN HMA TRAIL  
 STA. 172+96.96

FIRE HYDRANT  
 TO BE MOVED TO  
 STA. 172+90.74, 9' LT

PCC CURB RAMP W/ DETECTABLE WARNINGS &  
 COMB. C & G REMOVAL AND REPLACMENT (TYP)  
 (SEE SIDEWALK DETAILS)

MAILBOX TO BE REMOVED AND REPLACED  
 STA. 172+02.33, 8' RT

END PCC SIDEWALK 6"  
 BEGIN HMA TRAIL  
 STA. 171+22.63

PCC CURB RAMP W/ DETECTABLE WARNINGS &  
 COMB. C & G REMOVAL AND REPLACMENT (TYP)  
 (SEE SIDEWALK DETAILS)

RELOCATE CABLE PROTECTION  
 BOX "BY OTHERS"  
 STA. 170+29.43, 4.2' RT

FIRE HYDRANT  
 TO BE MOVED TO  
 STA. 169+90.60, 9' LT

END HMA TRAIL  
 BEGIN PCC SIDEWALK 6"  
 STA. 170+54.11

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

EXISTING 35' PUBLIC UTILITY &  
 DRAINAGE EASEMENT (PUDE)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

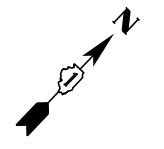
4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)

4' PERMANENT EASEMENT  
 WEST OF EXIST. ROW (TYP)

DRIVEWAY PAVEMENT REMOVAL  
 PCC DRIVEWAY PAVEMENT 8"  
 (SEE SIDEWALK DETAILS)





NOTE:  
FOR PCC SIDEWALK AND ADA DETAILS  
SEE SHEETS 60 TO 69

**CITY OF LOCKPORT  
PUBLIC WORKS &  
ENGINEERING  
PIN 16-05-29-401-015**

DRIVEWAY PAVEMENT REMOVAL  
PCC DRIVEWAY PAVEMENT 8"  
(SEE ADA DETAILS)

EXISTING 35' PUBLIC UTILITY &  
DRAINAGE EASEMENT (PUDE)



① R1-1  
18" X 18"



⑥ W11-15  
30" X 30"



⑦ W11-1  
30" X 30"



W16-7P  
24" X 12"



W16-9P  
24" X 12"

**BO JACKSON'S  
ELITE SPORTS  
PIN 16-05-29-204-001**

SIDEWALK REM  
157 SF

TEMP. ESMT  
STA. 175+41.66  
16' LT

TEMP. ESMT  
STA. 175+41.66  
16' LT

10' TEMP. EASEMENT (TYP)  
UNLESS OTHERWISE NOTED

EX STOP SIGN TO REMAIN

END TEMP. ESMT  
STA. 179+08.25  
16' LT

END PERM. ESMT  
STA. 179+08.25  
10.0' LT

ILLINOIS LANE

PR STOP BAR - WHITE  
THPL PVT MK LINE 24" (24 LF)  
STA. 178+23.54 TO STA. 179+47.92

BEGIN TEMP. ESMT  
STA. 179+88.38  
16' LT

BEGIN PERM. ESMT  
STA. 179+88.38  
10.0' LT

DETENTION  
POND

**PRIME BUSINESS  
CAMPUS LLC  
PIN 16-05-29-203-001**

WETLAND SITE 2  
BOUNDARY  
(0.0 AC IMPACT)

UNDERGROUND RESIDENTIAL  
DISTRIBUTION TRANSFORMER AND  
ASSOCIATED EQUIPMENT TO REMAIN.  
A MIN. 3' CLEARANCE SHALL BE  
PROVIDED FROM PR EDGE OF TRAIL  
TO EXISTING EQUIPMENT/FOUNDATION EDGE.

TEMP. ESMT  
STA. 187+24.84  
16.0' LT

PERM. ESMT  
STA. 187+24.84  
10.0' LT

TEMP. ESMT  
STA. 187+24.84  
38.0' LT

PERM. ESMT  
STA. 187+24.84  
25.0' LT

PERM. ESMT  
STA. 185+19.79  
25.0' LT

PERM. ESMT  
STA. 185+19.79  
10.0' LT

TEMP. ESMT  
STA. 184+94.23  
38.0' LT

TEMP. ESMT  
STA. 184+94.23  
16.0' LT

4' PERMANENT EASEMENT  
WEST OF EXIST. ROW (TYP)  
UNLESS OTHERWISE NOTED

10' TEMP. EASEMENT (TYP)  
UNLESS OTHERWISE NOTED

FIRE HYDRANT  
TO BE MOVED  
STA. 181+81.81, 9' LT

MH TO BE ADJ  
STA. 182+52.36 RT

FIRE HYDRANT  
TO BE MOVED  
STA. 184+84.23, 9' LT

TEMP. ESMT  
STA. 174+82.98  
27.6' LT

TEMP. ESMT  
STA. 174+82.98  
16' LT

**PRIME BLVD**

RELOCATE TELECOM  
PEDESTAL "BY OTHERS"  
STA. 174+68 RT

MAILBOX REM & REPL  
STA. 174+77.37 RT

FIRE HYDRANT  
TO BE MOVED TO  
STA. 175+91.02, 9' LT

PCC CURB RAMP W/ DETECTABLE WARNINGS &  
COMB. C & G REMOVAL AND REPLACEMENT (TYP)  
(SEE SIDEWALK DETAILS)

END HMA TRAIL  
BEGIN PCC SIDEWALK 6"  
STA. 174+82.98

MH TO BE ADJ  
STA. 178+71.86 RT

FIRE HYDRANT  
TO BE MOVED TO  
STA. 178+84.59, 9' LT

END HMA TRAIL  
BEGIN PCC SIDEWALK 6"  
STA. 178+86.43

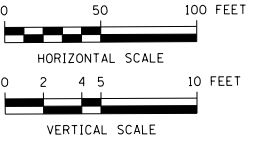
PCC CURB RAMP W/  
DETECTABLE WARNINGS &  
COMB. C & G REMOVAL  
AND REPLACEMENT (TYP)  
(SEE SIDEWALK DETAILS)

PROP. CURVE 23  
PI STA. = 185+40.20  
 $\Delta = 23^{\circ} 04' 26''$  (LT)  
D = 57' 17' 45"  
R = 100.00'  
T = 20.41'  
L = 40.27'  
E = 2.06'  
P.C. STA. = 185+19.79  
P.T. STA. = 185+60.06

PROP. CURVE 24  
PI STA. = 185+80.48  
 $\Delta = 23^{\circ} 04' 26''$  (RT)  
D = 57' 17' 45"  
R = 100.00'  
T = 20.41'  
L = 40.27'  
E = 2.06'  
P.C. STA. = 185+60.06  
P.T. STA. = 186+00.34

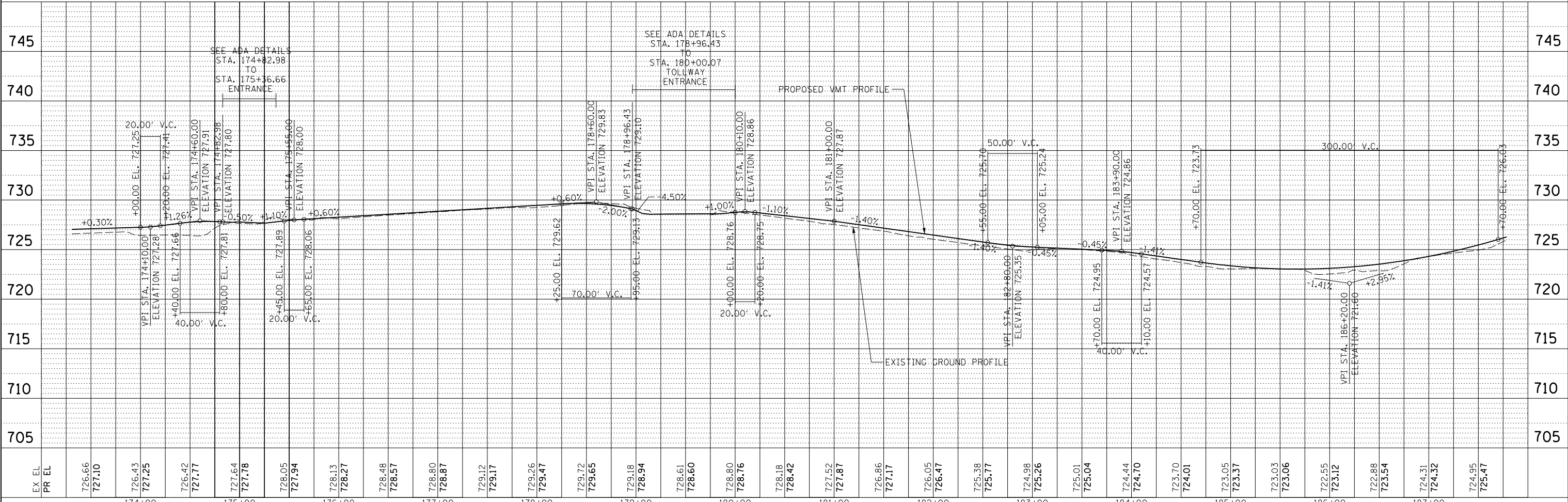
PROP. CURVE 25  
PI STA. = 186+64.71  
 $\Delta = 23^{\circ} 04' 26''$  (RT)  
D = 57' 17' 45"  
R = 100.00'  
T = 20.41'  
L = 40.27'  
E = 2.06'  
P.C. STA. = 186+44.30  
P.T. STA. = 186+84.57

PROP. CURVE 26  
PI STA. = 187+04.98  
 $\Delta = 23^{\circ} 04' 26''$  (LT)  
D = 57' 17' 45"  
R = 100.00'  
T = 20.41'  
L = 40.27'  
E = 2.06'  
P.C. STA. = 186+84.57  
P.T. STA. = 187+24.84



DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
NO. /	
NO. /	
NO. /	
NO. /	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NO. /	
NO. /	
NO. /	
NO. /	



USER NAME = ken.moy	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
	CHECKED - BMC	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
PLAN AND PROFILE, DRAINAGE, SIGNING, AND  
PAVEMENT MARKING**

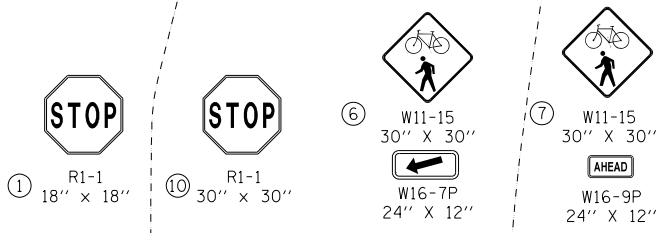
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	49
		CONTRACT NO. 61G74	

SCALE: 1" = 50' SHEET NO. 7 OF 15 SHEETS STA. TO STA.

FILE NAME = c:\pwworking\aecom.com\d2019\ken.moy@aecom.com\dms5474\Phase1\_097.dgn

NOTE:  
FOR PCC SIDEWALK AND ADA DETAILS  
SEE SHEETS 60 TO 69

DETENTION  
POND



**PRIME BUSINESS  
CAMPUS LLC  
PIN 16-05-29-203-001**

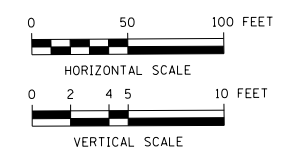
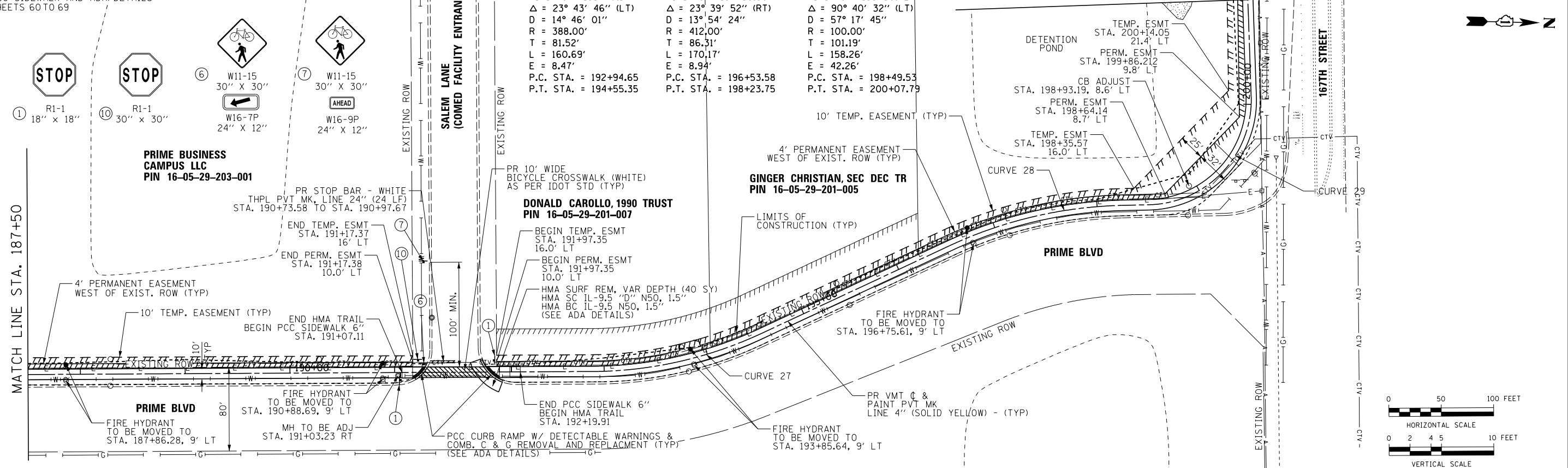
PROP. CURVE 27  
PI STA. = 193+76.17  
Δ = 23° 43' 46" (LT)  
D = 14° 46' 01"  
R = 388.00'  
T = 81.52'  
L = 160.69'  
E = 8.47'  
P.C. STA. = 192+94.65  
P.T. STA. = 194+55.35

PROP. CURVE 28  
PI STA. = 197+39.90  
Δ = 23° 39' 52" (RT)  
D = 13° 54' 24"  
R = 412.00'  
T = 86.31'  
L = 170.17'  
E = 8.94'  
P.C. STA. = 196+53.58  
P.T. STA. = 198+23.75

PROP. CURVE 29  
PI STA. = 199+50.72  
Δ = 90° 40' 32" (LT)  
D = 57° 17' 45"  
R = 100.00'  
T = 101.19'  
L = 158.26'  
E = 42.26'  
P.C. STA. = 198+49.53  
P.T. STA. = 200+07.79

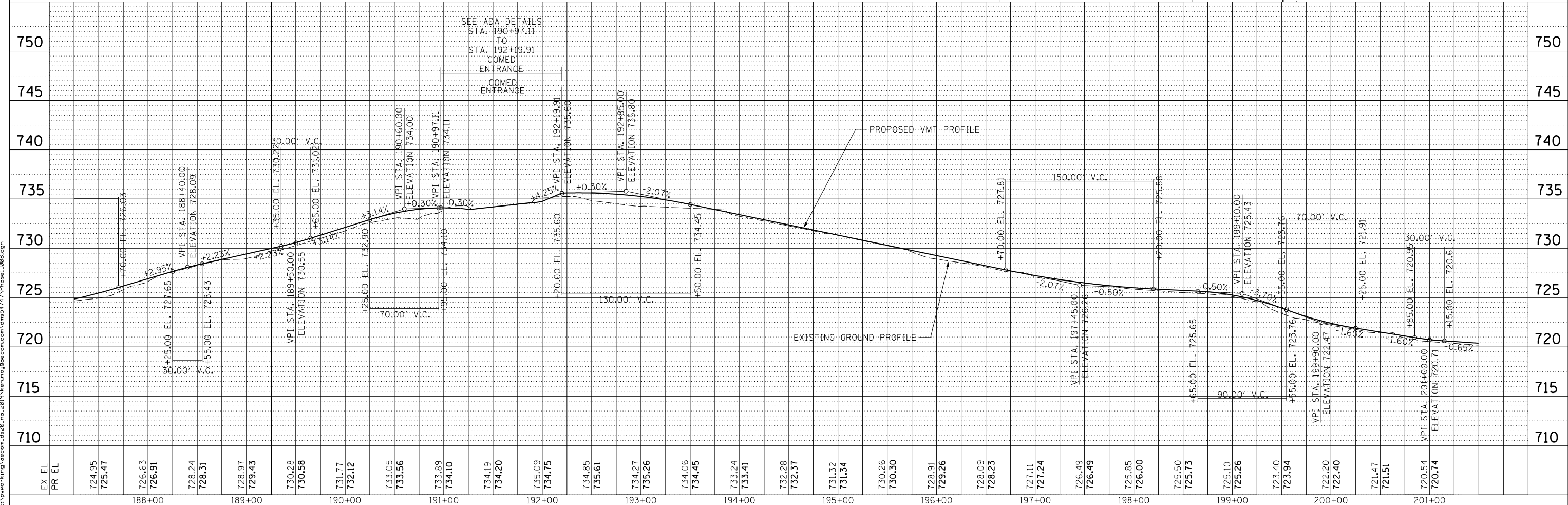
MATCH LINE STA. 201+00

MATCH LINE STA. 187+50



PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	CHECKED	
	FILED	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	
	BY	



USER NAME = ken.moy	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - BMC	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
PLAN AND PROFILE, DRAINAGE, SIGNING, AND  
PAVEMENT MARKING

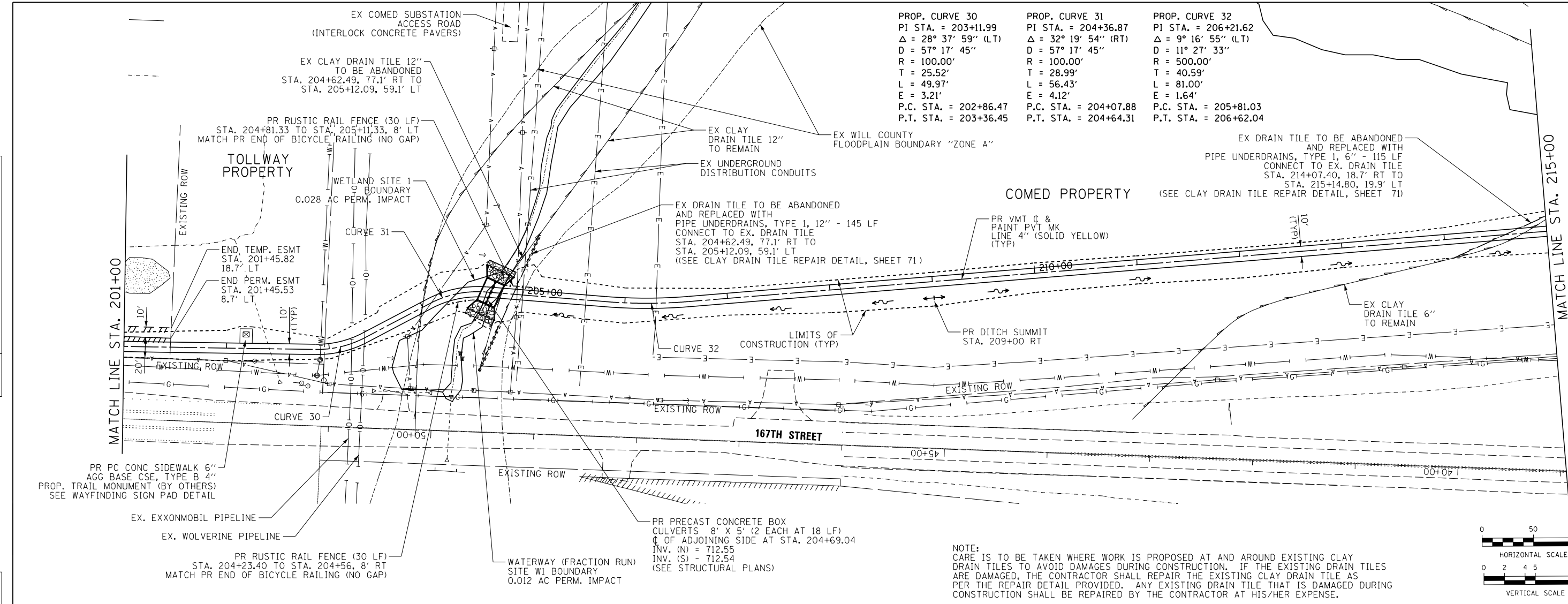
SCALE: 1" = 50' SHEET NO. 8 OF 15 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	50
		CONTRACT NO. 61G74	

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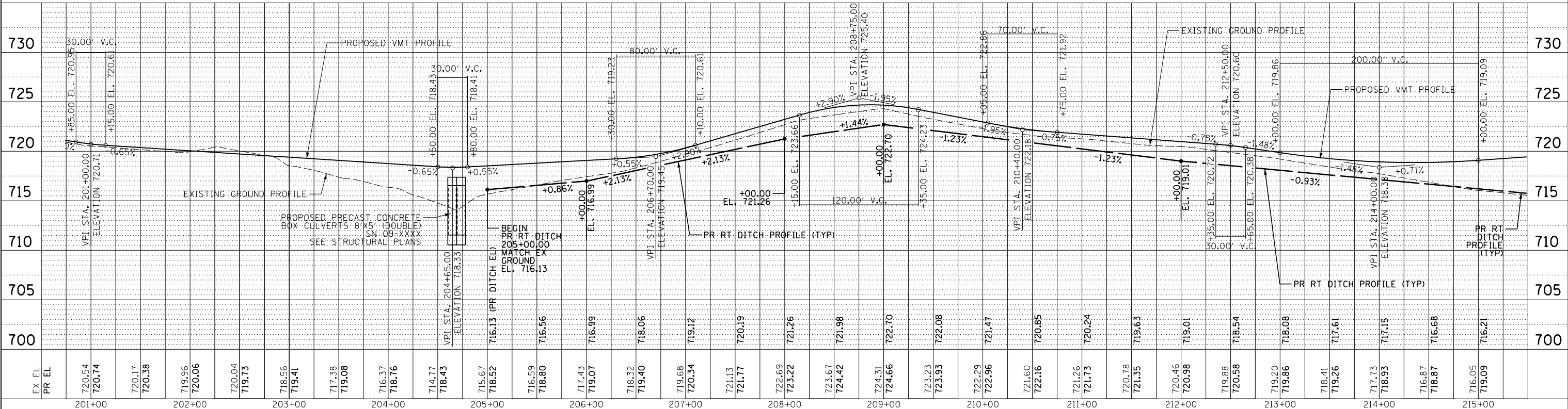
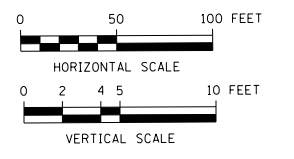
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	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	
	DATE	



PROP. CURVE 30	PROP. CURVE 31	PROP. CURVE 32
PI STA. = 203+11.99	PI STA. = 204+36.87	PI STA. = 206+21.62
Δ = 28° 37' 59" (LT)	Δ = 32° 19' 54" (RT)	Δ = 9° 16' 55" (LT)
D = 57° 17' 45"	D = 57° 17' 45"	D = 11° 27' 33"
R = 100.00'	R = 100.00'	R = 500.00'
T = 25.52'	T = 28.99'	T = 40.59'
L = 49.97'	L = 56.43'	L = 81.00'
E = 3.21'	E = 4.12'	E = 1.64'
P.C. STA. = 202+86.47	P.C. STA. = 204+07.88	P.C. STA. = 205+81.03
P.T. STA. = 203+36.45	P.T. STA. = 204+64.31	P.T. STA. = 206+62.04

NOTE:  
 CARE IS TO BE TAKEN WHERE WORK IS PROPOSED AT AND AROUND EXISTING CLAY DRAIN TILES TO AVOID DAMAGES DURING CONSTRUCTION. IF THE EXISTING DRAIN TILES ARE DAMAGED, THE CONTRACTOR SHALL REPAIR THE EXISTING CLAY DRAIN TILE AS PER THE REPAIR DETAIL PROVIDED. ANY EXISTING DRAIN TILE THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.

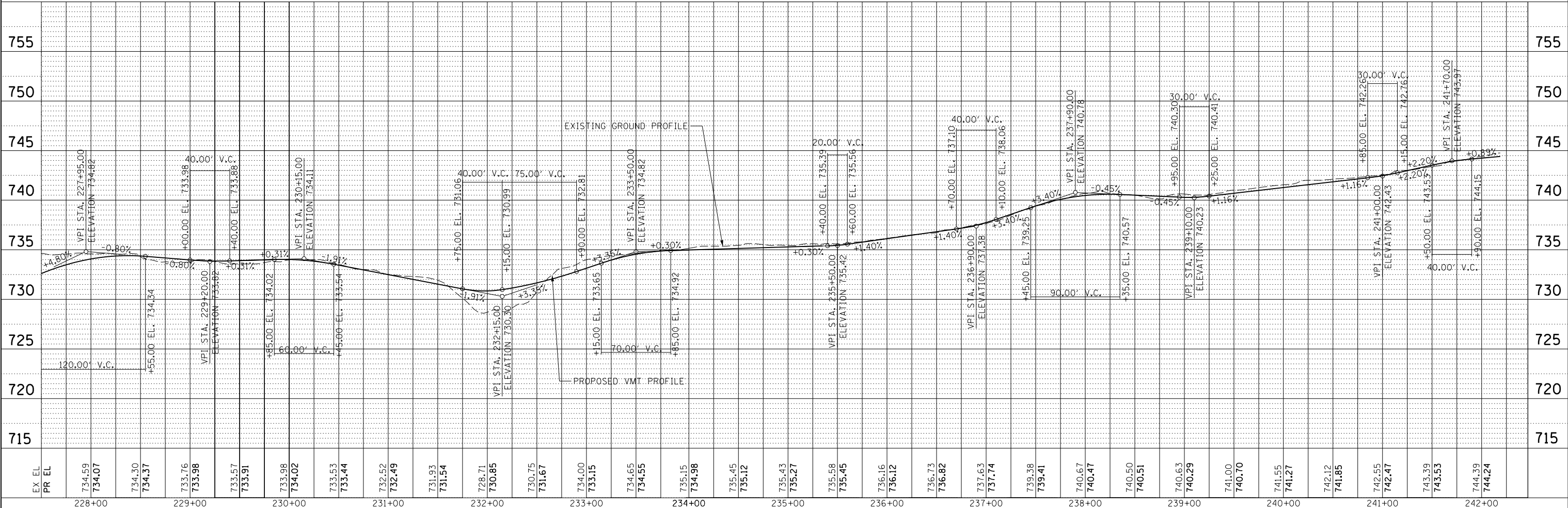
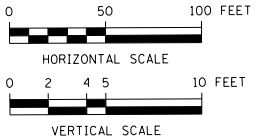
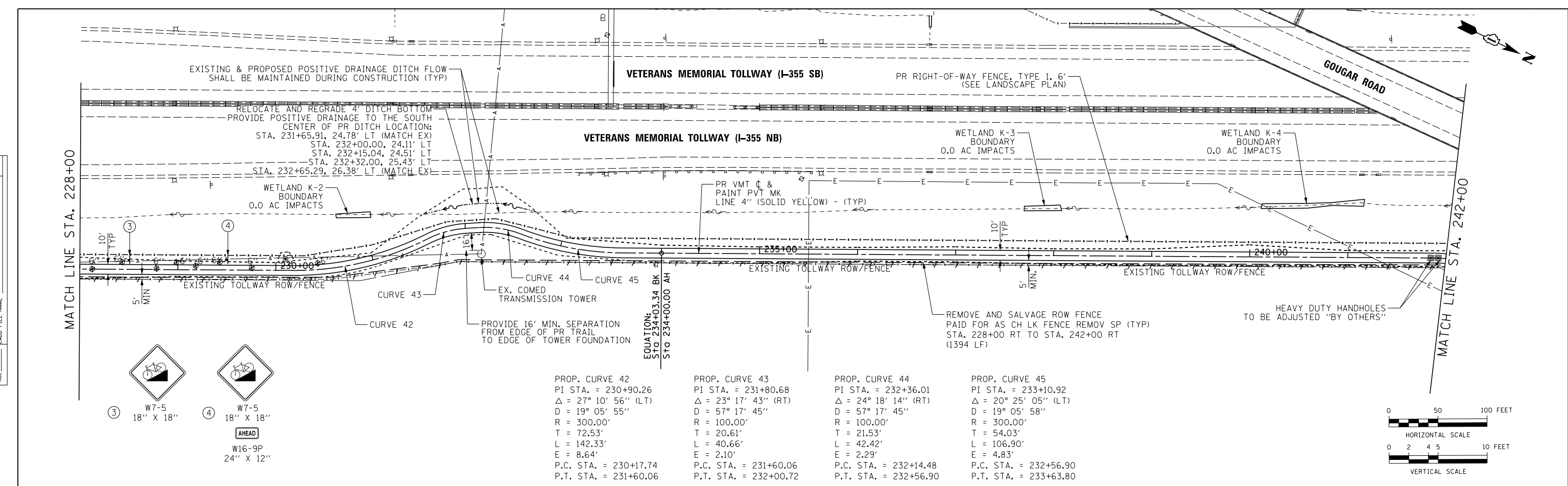


<b>AECOM</b> <small>303 East Wacker Drive, Suite 1400, Chicago, IL 60601          T 1-312-373-7100 F 1-312-373-6800</small>	USER NAME = ken.moy	DESIGNED - KLM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>VETERANS MEMORIAL TRAIL</b> <b>PLAN AND PROFILE, DRAINAGE, SIGNING, AND</b> <b>PAVEMENT MARKING</b>			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1"	CHECKED - BMC	REVISED -		11-F3001-01-BT	WILL	234	51			
	PLOT DATE = 2/8/2021	DATE = 2/09/2021	REVISED -		SCALE: 1" = 50'	SHEET NO. 9 OF 15 SHEETS	STA.	TO STA.	CONTRACT NO. 61G74		

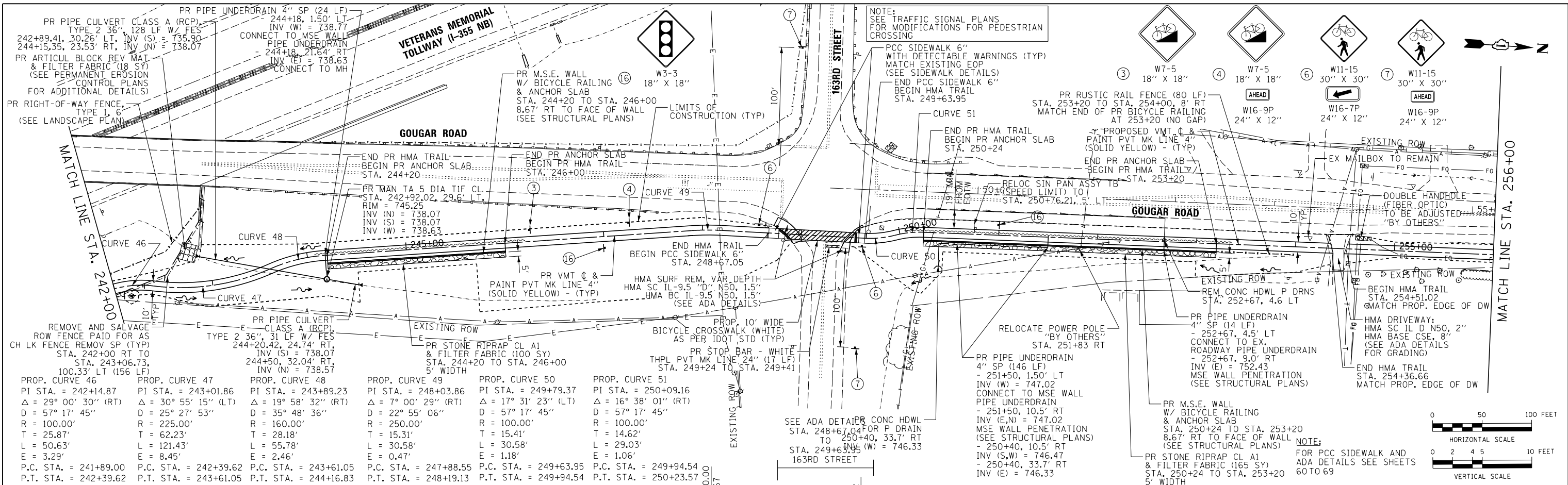


PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

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



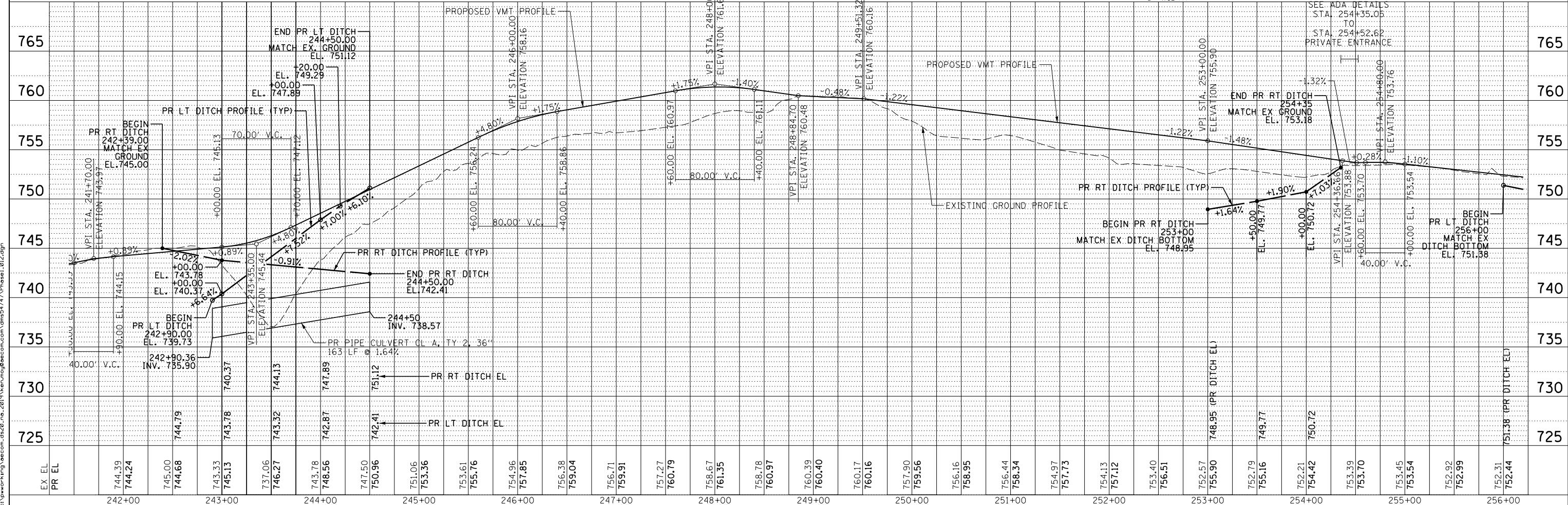
<b>AECOM</b> 303 East Wacker Drive, Suite 1400, Chicago, IL 60601 T 312-373-7700 F 312-373-6800	USER NAME = ken.moy	DESIGNED - KLM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> SCALE: 1" = 50' SHEET NO. 11 OF 15 SHEETS STA. TO STA.	<b>VETERANS MEMORIAL TRAIL</b> <b>PLAN AND PROFILE, DRAINAGE, SIGNING, AND PAVEMENT MARKING</b> SECTION 11-F3001-01-BT COUNTY WILL CONTRACT NO. 61G74	TOTAL SHEETS 234	SHEET NO. 53
	PLOT SCALE = 100.0000' / 1"	CHECKED - BMC	REVISED -				
	PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -				



DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

PROF. CURVE 46	PROF. CURVE 47	PROF. CURVE 48	PROF. CURVE 49	PROF. CURVE 50	PROF. CURVE 51
PI STA. = 242+14.87	PI STA. = 243+01.86	PI STA. = 243+89.23	PI STA. = 248+03.86	PI STA. = 249+79.37	PI STA. = 250+09.16
Δ = 29° 00' 30" (RT)	Δ = 30° 55' 15" (LT)	Δ = 19° 58' 32" (RT)	Δ = 7° 00' 29" (RT)	Δ = 17° 31' 23" (LT)	Δ = 16° 38' 01" (RT)
D = 57' 17" 45"	D = 25' 27" 53"	D = 35' 48' 36"	D = 22' 55' 06"	D = 57' 17" 45"	D = 57' 17" 45"
R = 100.00'	R = 225.00'	R = 160.00'	R = 250.00'	R = 100.00'	R = 100.00'
T = 25.87'	T = 62.23'	T = 28.18'	T = 15.31'	T = 15.41'	T = 14.62'
L = 50.63'	L = 121.43'	L = 55.78'	L = 30.58'	L = 30.58'	L = 29.03'
E = 3.29'	E = 8.45'	E = 2.46'	E = 0.47'	E = 1.18'	E = 1.06'
P.C. STA. = 241+89.00	P.C. STA. = 242+39.62	P.C. STA. = 243+61.05	P.C. STA. = 247+88.55	P.C. STA. = 249+63.95	P.C. STA. = 249+94.54
P.T. STA. = 242+39.62	P.T. STA. = 243+61.05	P.T. STA. = 244+16.83	P.T. STA. = 248+19.13	P.T. STA. = 249+94.54	P.T. STA. = 250+23.57



EX EL	PR EL	242+00	243+00	244+00	245+00	246+00	247+00	248+00	249+00	250+00	251+00	252+00	253+00	254+00	255+00	256+00																																									
743.99	744.24	745.00	744.68	743.33	745.13	737.06	746.27	743.78	748.56	747.50	750.96	751.06	753.36	753.61	755.76	754.96	757.85	756.38	759.04	756.71	759.91	757.27	760.79	758.67	761.35	758.78	760.97	760.39	760.40	760.17	760.16	757.90	759.56	756.16	758.95	756.44	758.34	754.97	757.73	754.13	757.12	753.40	756.51	752.57	755.90	752.79	755.16	752.21	754.42	753.39	753.70	753.45	753.54	752.92	752.99	752.31	752.44



USER NAME = ken.moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - KLM	REVISED -
PLOT DATE = 2/8/2021	CHECKED - BMC	REVISED -
	DATE - 2/09/2021	REVISED -

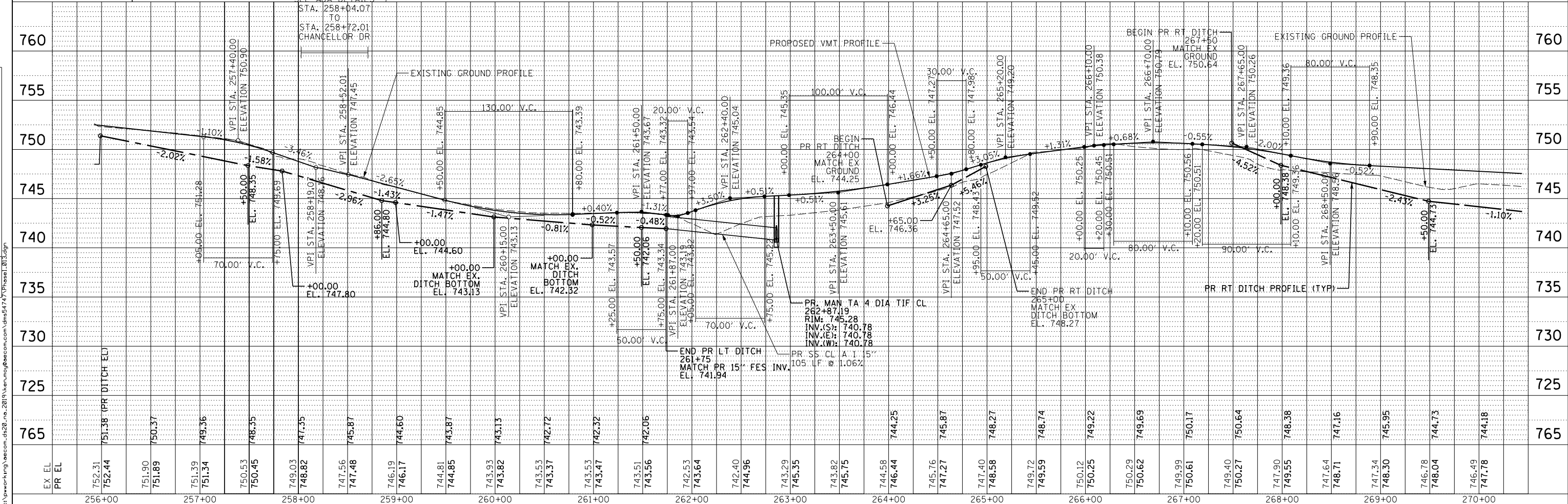
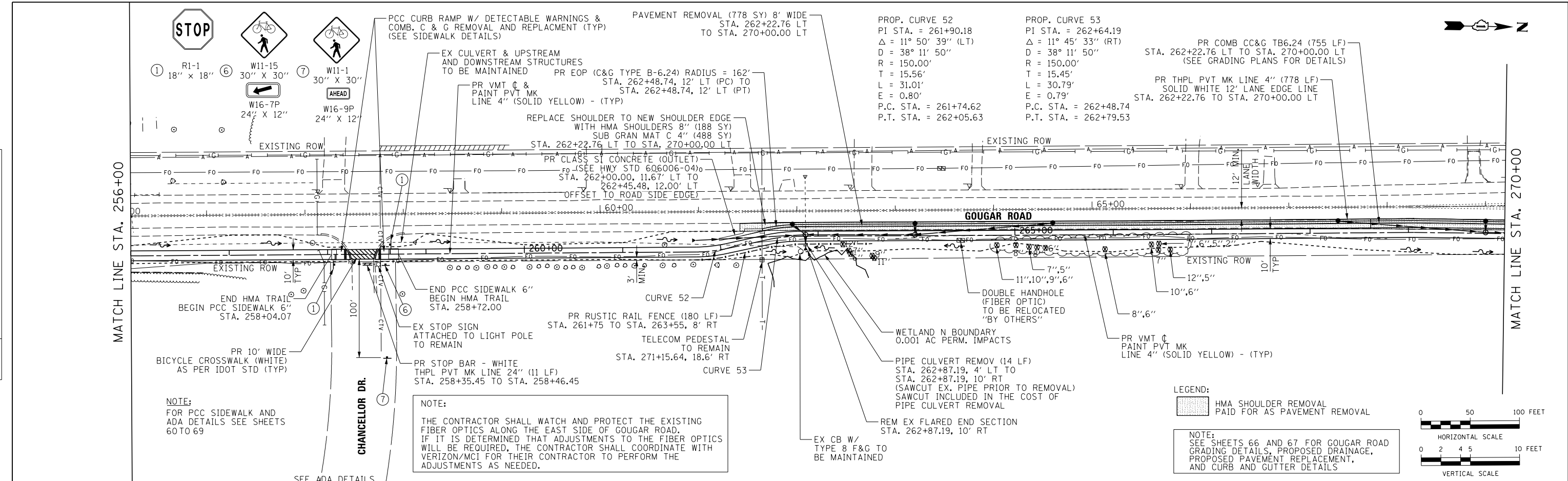
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
PLAN AND PROFILE, DRAINAGE, SIGNING, AND PAVEMENT MARKING

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	54
CONTRACT NO. 61G74			

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	FILED	
	NO.	

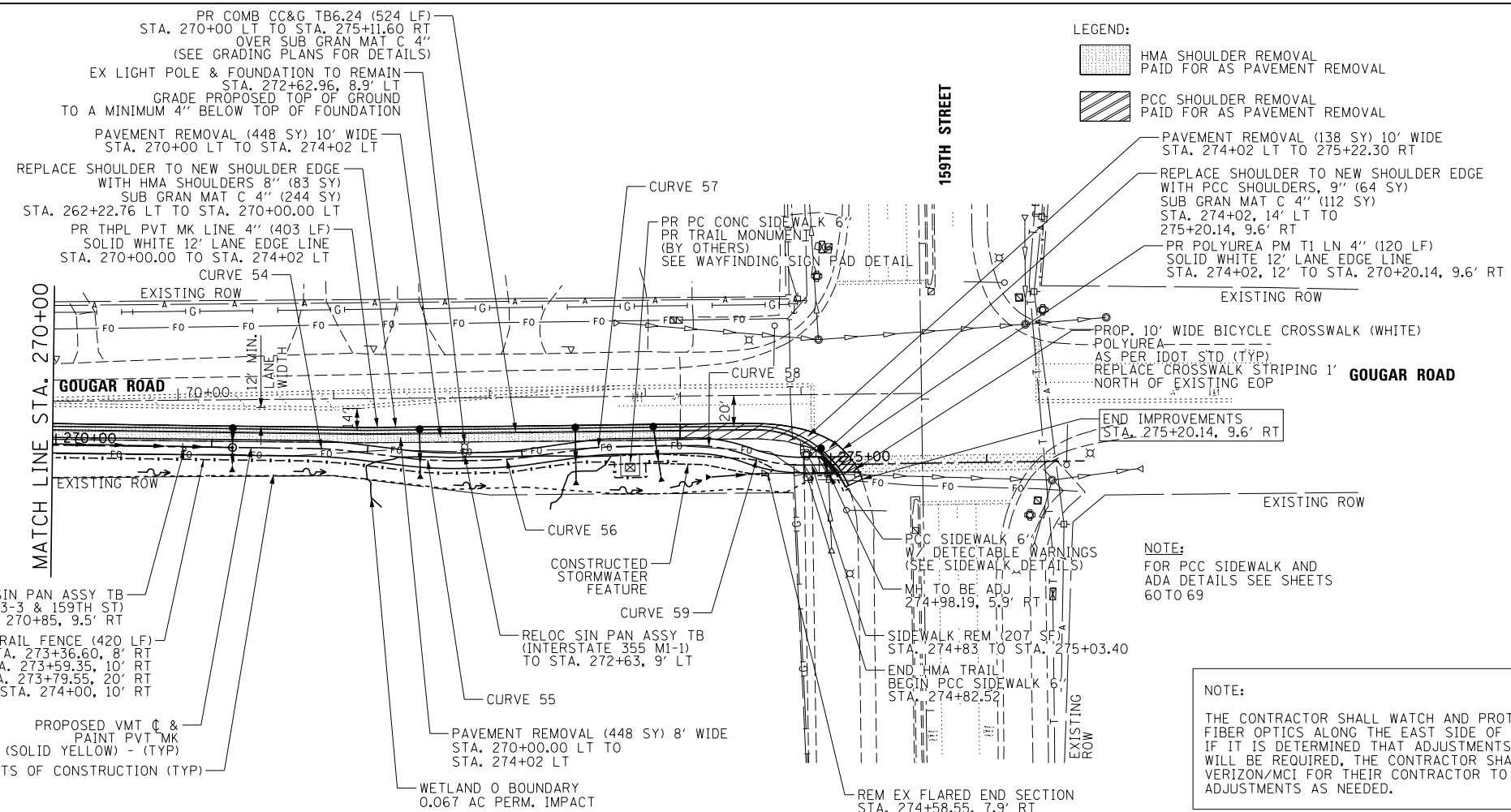


 303 East Wacker Drive, Suite 1400, Chicago, IL 60601 T 312-373-7700 F 312-373-6800	USER NAME = ken.moy	DESIGNED - KLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION VETERANS MEMORIAL TRAIL PLAN AND PROFILE, DRAINAGE, SIGNING, AND PAVEMENT MARKING SCALE: 1" = 50' SHEET NO. 13 OF 15 SHEETS STA. TO STA.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1"	CHECKED - BMC	REVISED -		11-F3001-01-BT	WILL	234	55
	PLOT DATE = 2/8/2021	DATE = 2/09/2021	REVISED -		CONTRACT NO. 61G74			

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

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

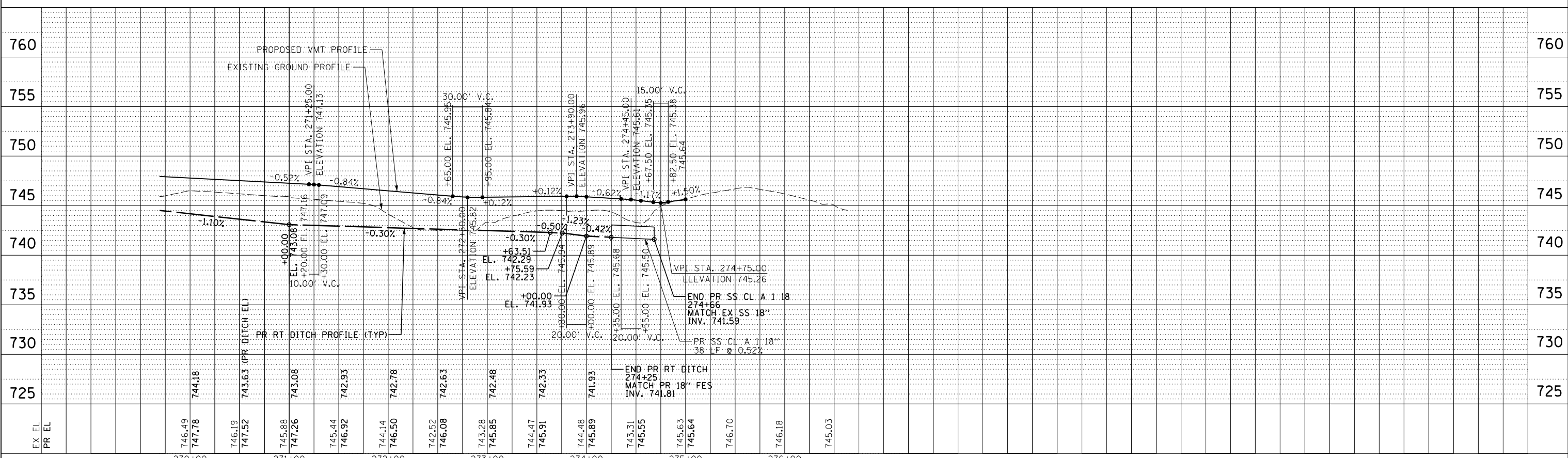
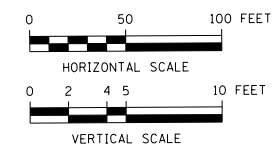
FILE NAME: c:\pwworking\aecom\ds20\ra\_22019\ken.moy@aecom.com\dms5474\Phase1\_01.dgn



NOTE:  
 SEE SHEETS 66 AND 67 FOR GOUGAR ROAD GRADING DETAILS, PROPOSED DRAINAGE, PROPOSED PAVEMENT REPLACEMENT, AND CURB AND GUTTER DETAILS



<b>PROP. CURVE 54</b> PI STA. = 271+76.94 $\Delta = 6^\circ 15' 15''$ (RT) $D = 22^\circ 55' 06''$ $R = 250.00'$ $T = 13.66'$ $L = 27.29'$ $E = 0.37'$ P.C. STA. = 271+63.29 P.T. STA. = 271+90.58	<b>PROP. CURVE 55</b> PI STA. = 272+41.06 $\Delta = 7^\circ 38' 51''$ (LT) $D = 22^\circ 55' 06''$ $R = 250.00'$ $T = 16.71'$ $L = 33.37'$ $E = 0.56'$ P.C. STA. = 272+24.35 P.T. STA. = 272+57.72	<b>PROP. CURVE 56</b> PI STA. = 272+89.90 $\Delta = 7^\circ 38' 51''$ (LT) $D = 22^\circ 55' 06''$ $R = 250.00'$ $T = 16.71'$ $L = 33.37'$ $E = 0.56'$ P.C. STA. = 272+73.19 P.T. STA. = 273+06.56
<b>PROP. CURVE 57</b> PI STA. = 273+49.97 $\Delta = 7^\circ 38' 51''$ (RT) $D = 28^\circ 38' 52''$ $R = 200.00'$ $T = 13.37'$ $L = 26.69'$ $E = 0.45'$ P.C. STA. = 273+36.60 P.T. STA. = 273+63.29	<b>PROP. CURVE 58</b> PI STA. = 274+27.61 $\Delta = 21^\circ 02' 20''$ (RT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 18.57'$ $L = 36.72'$ $E = 1.71'$ P.C. STA. = 274+09.04 P.T. STA. = 274+45.76	<b>PROP. CURVE 59</b> PI STA. = 274+64.52 $\Delta = 21^\circ 15' 17''$ (LT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 18.76'$ $L = 37.10'$ $E = 1.75'$ P.C. STA. = 274+45.76 P.T. STA. = 274+82.85



USER NAME = ken.moy	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - BMC	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 PLAN AND PROFILE, DRAINAGE, SIGNING, AND PAVEMENT MARKING

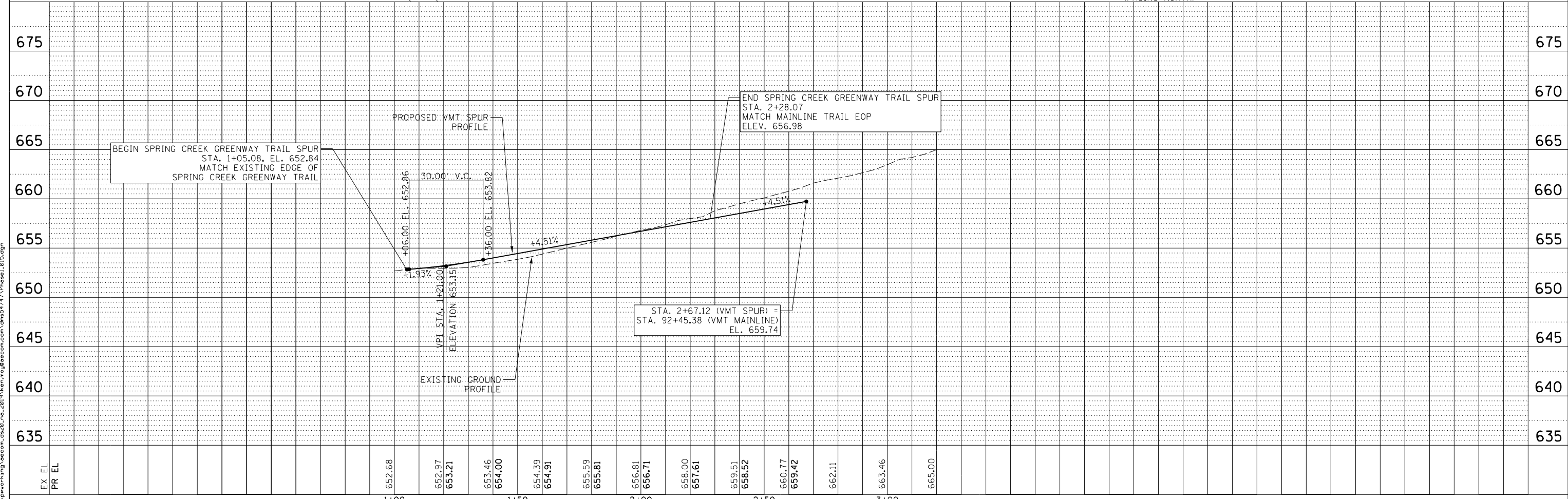
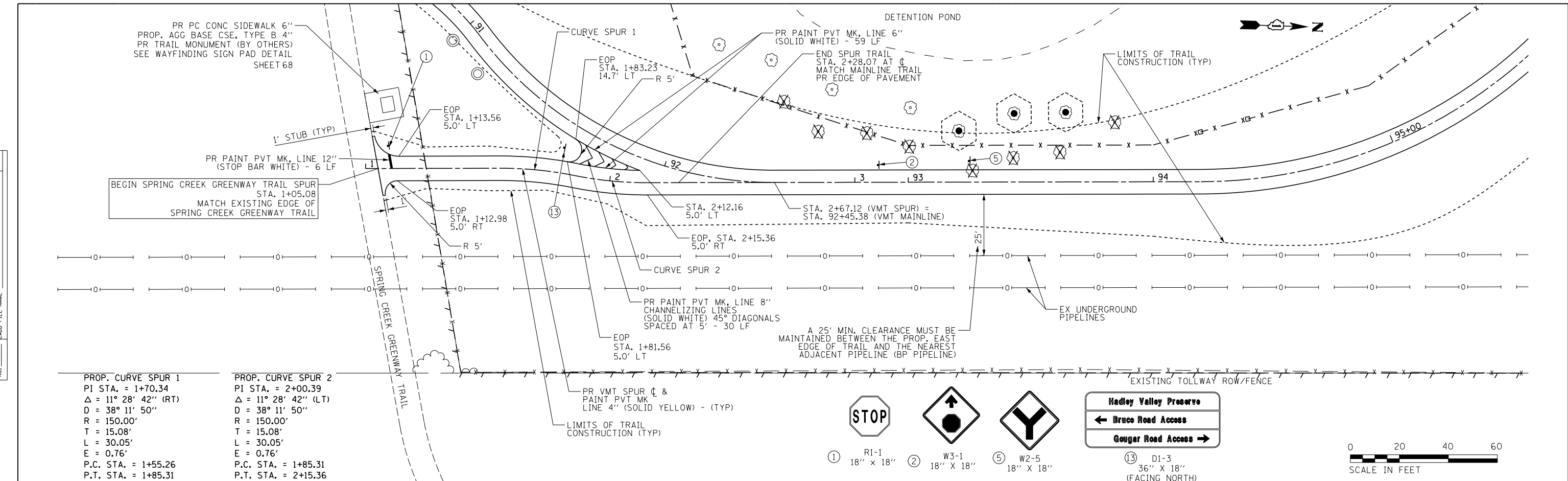
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	56
		CONTRACT NO. 61G74	

SCALE: 1" = 50' SHEET NO. 14 OF 15 SHEETS STA. TO STA.



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
NOTE BOOK	NO.	

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



USER NAME = ken.moy	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - BMC	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
SPRING CREEK PATH SPUR PLAN AND PROFILE

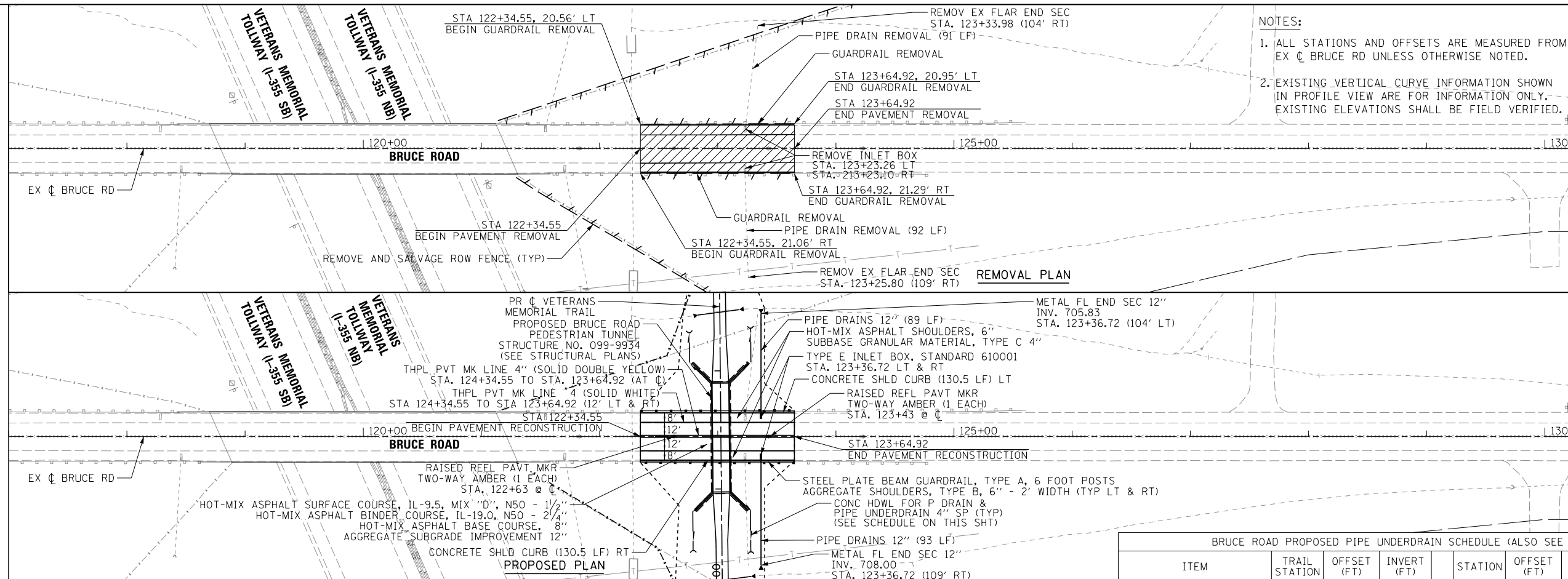
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	57
CONTRACT NO. 61G74			

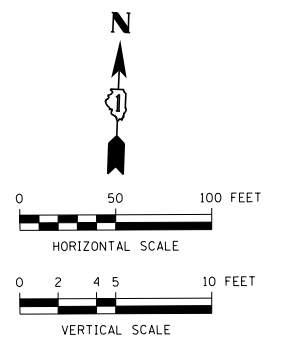
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	PLOTTED	
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	PLOTTED	
	NOTE BOOK	
	NO.	
	CHECKED	
	BY	
	FILE NAME	

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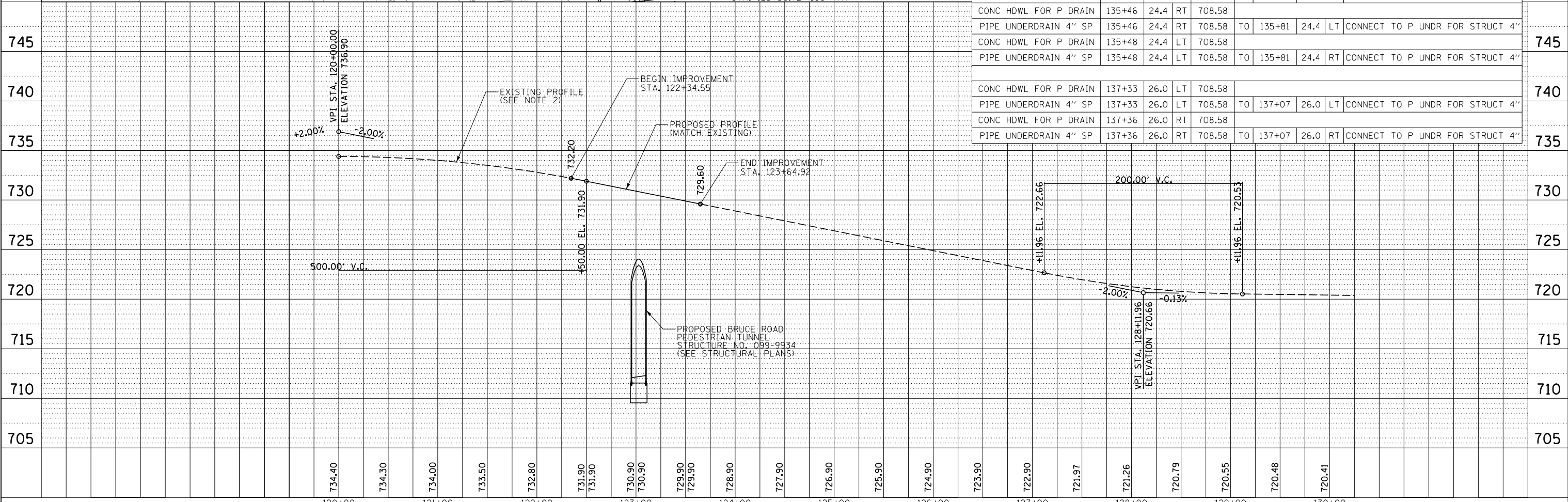


- NOTES:**
- ALL STATIONS AND OFFSETS ARE MEASURED FROM EX C BRUCE RD UNLESS OTHERWISE NOTED.
  - EXISTING VERTICAL CURVE INFORMATION SHOWN IN PROFILE VIEW ARE FOR INFORMATION ONLY. EXISTING ELEVATIONS SHALL BE FIELD VERIFIED.



**BRUCE ROAD PROPOSED PIPE UNDERDRAIN SCHEDULE (ALSO SEE STRUCTURAL PLANS)**

ITEM	TRAIL STATION	OFFSET (FT)	INVERT (FT)	STATION	OFFSET (FT)	NOTES
CONC HDWL FOR P DRAIN	135+46	24.4 RT	708.58			
PIPE UNDERDRAIN 4" SP	135+46	24.4 RT	708.58	TO 135+81	24.4 LT	CONNECT TO P UNDR FOR STRUCT 4"
CONC HDWL FOR P DRAIN	135+48	24.4 LT	708.58			
PIPE UNDERDRAIN 4" SP	135+48	24.4 LT	708.58	TO 135+81	24.4 RT	CONNECT TO P UNDR FOR STRUCT 4"
CONC HDWL FOR P DRAIN	137+33	26.0 LT	708.58			
PIPE UNDERDRAIN 4" SP	137+33	26.0 LT	708.58	TO 137+07	26.0 LT	CONNECT TO P UNDR FOR STRUCT 4"
CONC HDWL FOR P DRAIN	137+36	26.0 RT	708.58			
PIPE UNDERDRAIN 4" SP	137+36	26.0 RT	708.58	TO 137+07	26.0 RT	CONNECT TO P UNDR FOR STRUCT 4"



USER NAME = ken.moy	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
PLOT SCALE = 100.00' / 1"	CHECKED - BMC	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BRUCE ROAD  
PLAN AND PROFILE**

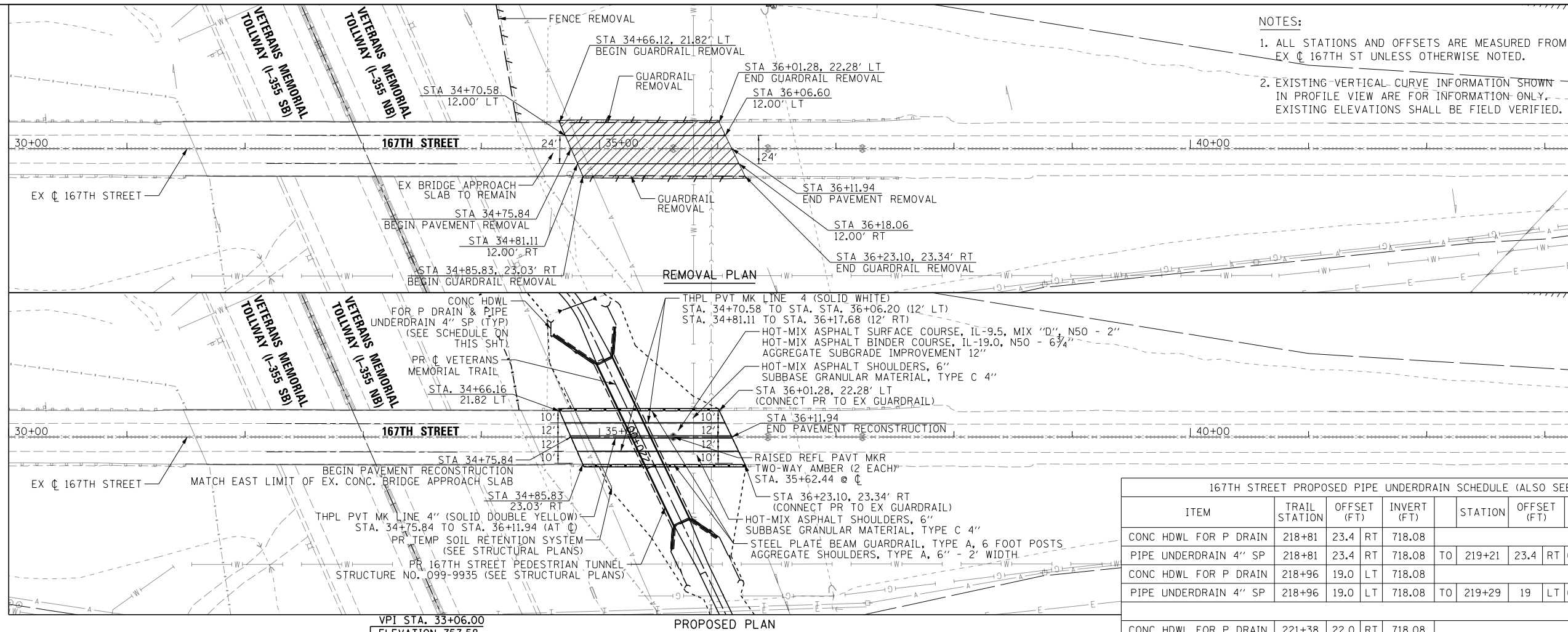
SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	58
CONTRACT NO. 61G74			

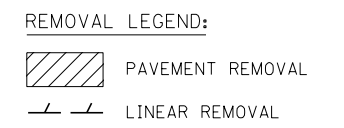
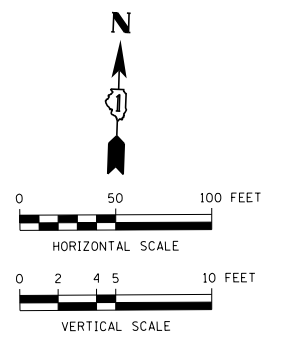
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	PLOTTED	
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NO.	
	STRUCTURE	
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FILE NAME: c:\pwworking\aecom\da20\_da2019\ken.moy@aecom.com\dms5474\167th13.dgn

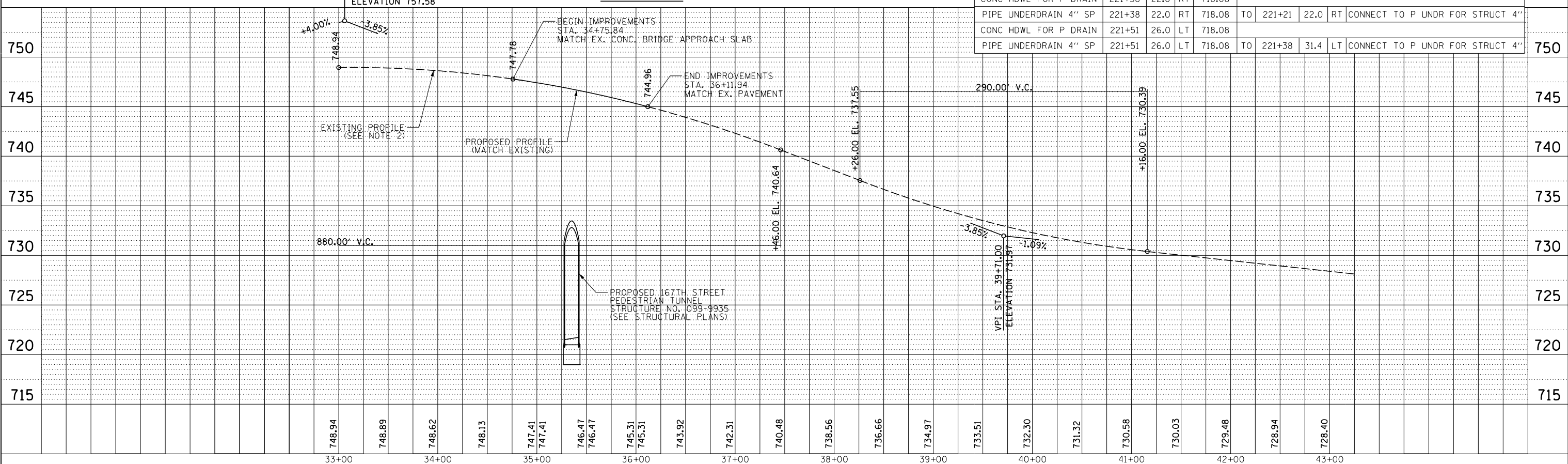


- NOTES:**
- ALL STATIONS AND OFFSETS ARE MEASURED FROM EX C 167TH ST UNLESS OTHERWISE NOTED.
  - EXISTING VERTICAL CURVE INFORMATION SHOWN IN PROFILE VIEW ARE FOR INFORMATION ONLY. EXISTING ELEVATIONS SHALL BE FIELD VERIFIED.



167TH STREET PROPOSED PIPE UNDERDRAIN SCHEDULE (ALSO SEE STRUCTURAL PLANS)

ITEM	TRAIL STATION	OFFSET (FT)	INVERT (FT)	STATION	OFFSET (FT)	NOTES		
CONC HDWL FOR P DRAIN	218+81	23.4	RT	718.08				
PIPE UNDERDRAIN 4" SP	218+81	23.4	RT	718.08	TO 219+21	23.4	RT	CONNECT TO P UNDR FOR STRUCT 4"
CONC HDWL FOR P DRAIN	218+96	19.0	LT	718.08				
PIPE UNDERDRAIN 4" SP	218+96	19.0	LT	718.08	TO 219+29	19	LT	CONNECT TO P UNDR FOR STRUCT 4"
CONC HDWL FOR P DRAIN	221+38	22.0	RT	718.08				
PIPE UNDERDRAIN 4" SP	221+38	22.0	RT	718.08	TO 221+21	22.0	RT	CONNECT TO P UNDR FOR STRUCT 4"
CONC HDWL FOR P DRAIN	221+51	26.0	LT	718.08				
PIPE UNDERDRAIN 4" SP	221+51	26.0	LT	718.08	TO 221+38	31.4	LT	CONNECT TO P UNDR FOR STRUCT 4"



USER NAME = ken.moy	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
PLOT SCALE = 100.00' / 1"	CHECKED - BMC	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

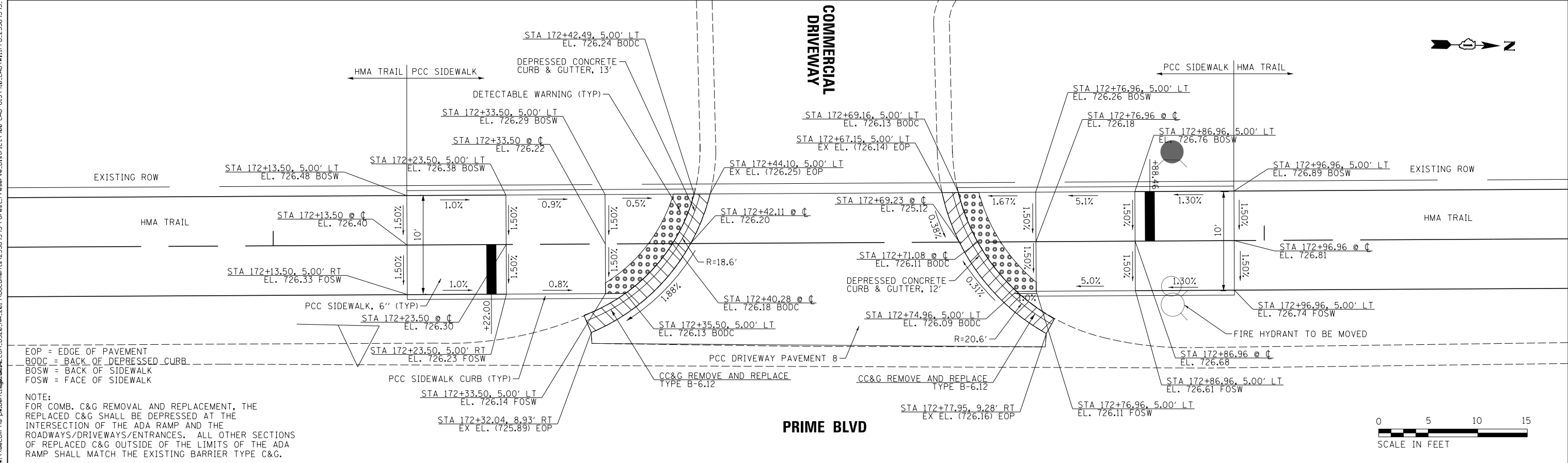
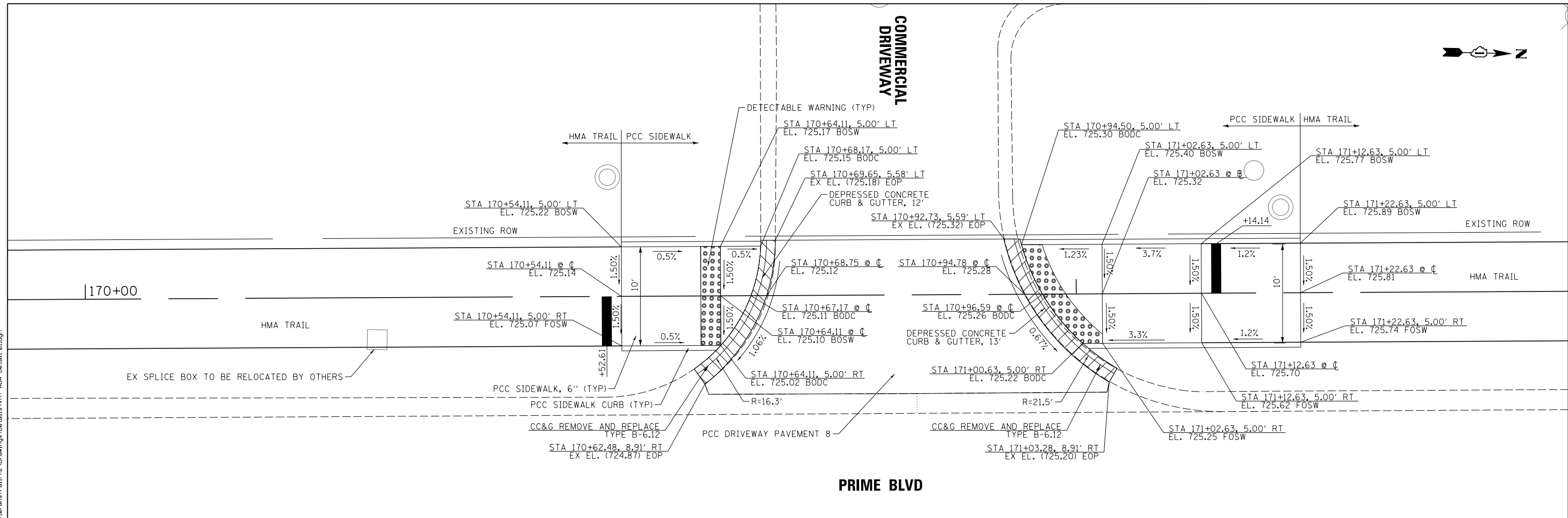
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

167TH STREET  
PLAN AND PROFILE

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-F3001-01-BT	WILL	234	59
CONTRACT NO. 61G74			

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EOP = EDGE OF PAVEMENT  
 BODC = BACK OF DEPRESSED CURB  
 BOSW = BACK OF SIDEWALK  
 FOSW = FACE OF SIDEWALK

NOTE:  
 FOR COMB. C&G REMOVAL AND REPLACEMENT, THE REPLACED C&G SHALL BE DEPRESSED AT THE INTERSECTION OF THE ADA RAMP AND THE ROADWAYS/DRIVEWAYS/ENTRANCES. ALL OTHER SECTIONS OF REPLACED C&G OUTSIDE OF THE LIMITS OF THE ADA RAMP SHALL MATCH THE EXISTING BARRIER TYPE C&G.



USER NAME = ken.moy  
 PLOT SCALE = 10.0000' / in.  
 PLOT DATE = 2/8/2021

DESIGNED - JN	REVISED -
DRAWN - JN	REVISED -
CHECKED - KLM	REVISED -
DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 PCC SIDEWALK AND ADA DETAILS - PRIME BLVD

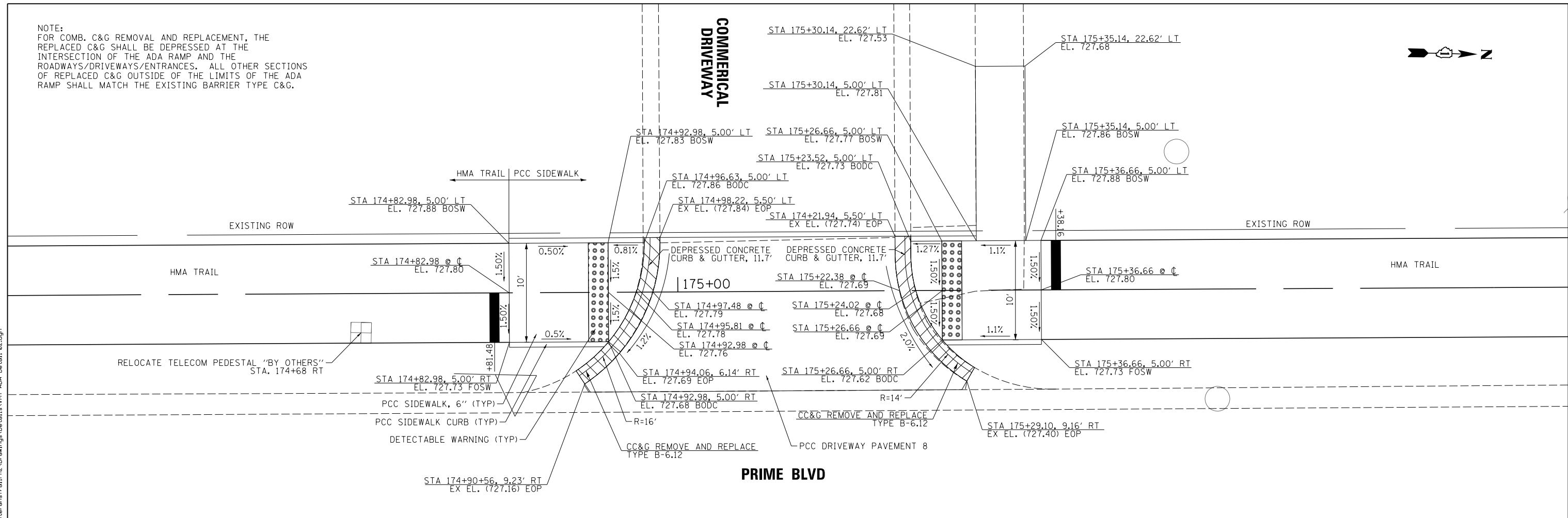
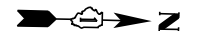
SCALE: 1"=5' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	60
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



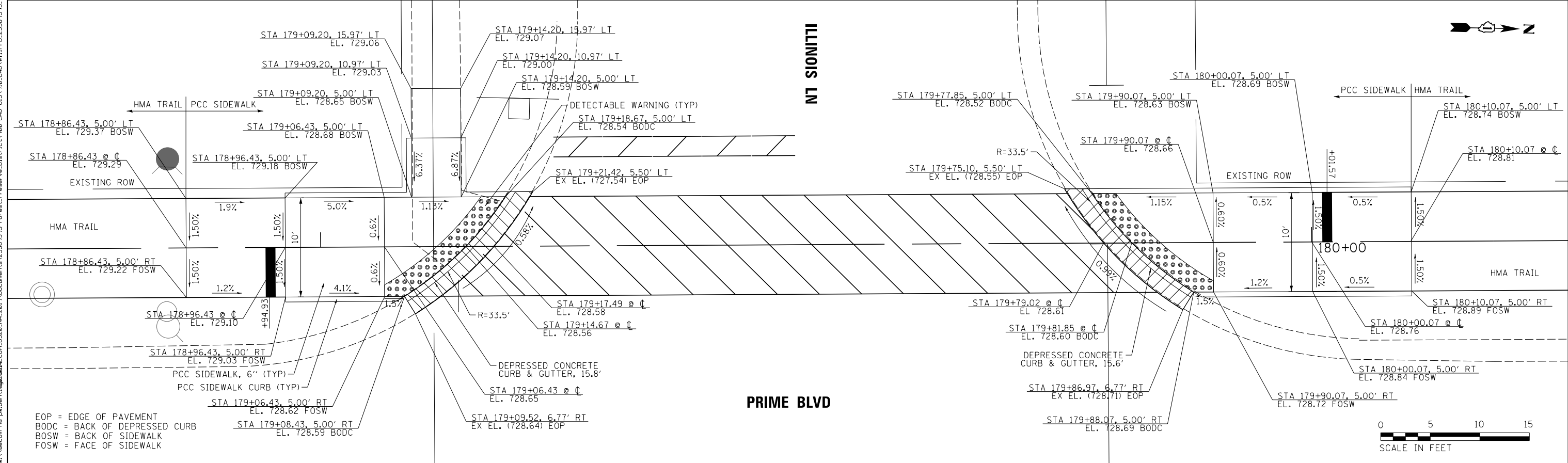
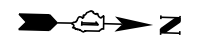
NOTE:  
 FOR COMB. C&G REMOVAL AND REPLACEMENT, THE REPLACED C&G SHALL BE DEPRESSED AT THE INTERSECTION OF THE ADA RAMP AND THE ROADWAYS/DRIVEWAYS/ENTRANCES. ALL OTHER SECTIONS OF REPLACED C&G OUTSIDE OF THE LIMITS OF THE ADA RAMP SHALL MATCH THE EXISTING BARRIER TYPE C&G.

COMMERCIAL DRIVEWAY

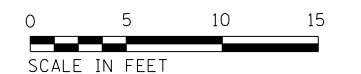


PRIME BLVD

ILLINOIS



PRIME BLVD



EOP = EDGE OF PAVEMENT  
 BODC = BACK OF DEPRESSED CURB  
 BOSW = BACK OF SIDEWALK  
 FOSW = FACE OF SIDEWALK

FILE NAME = p:\a\com-no-pa-bent\gfa\AE\CD\LD529\_NA\_2019\Documents\25369593-Forest-Reserve-District\900-CAD\GIS\910-CAD\WII\FPD\_25369593\_VeteransTrail\Plat2-Drawings\Details\WMT-ADA-Detail\_02.dgn



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

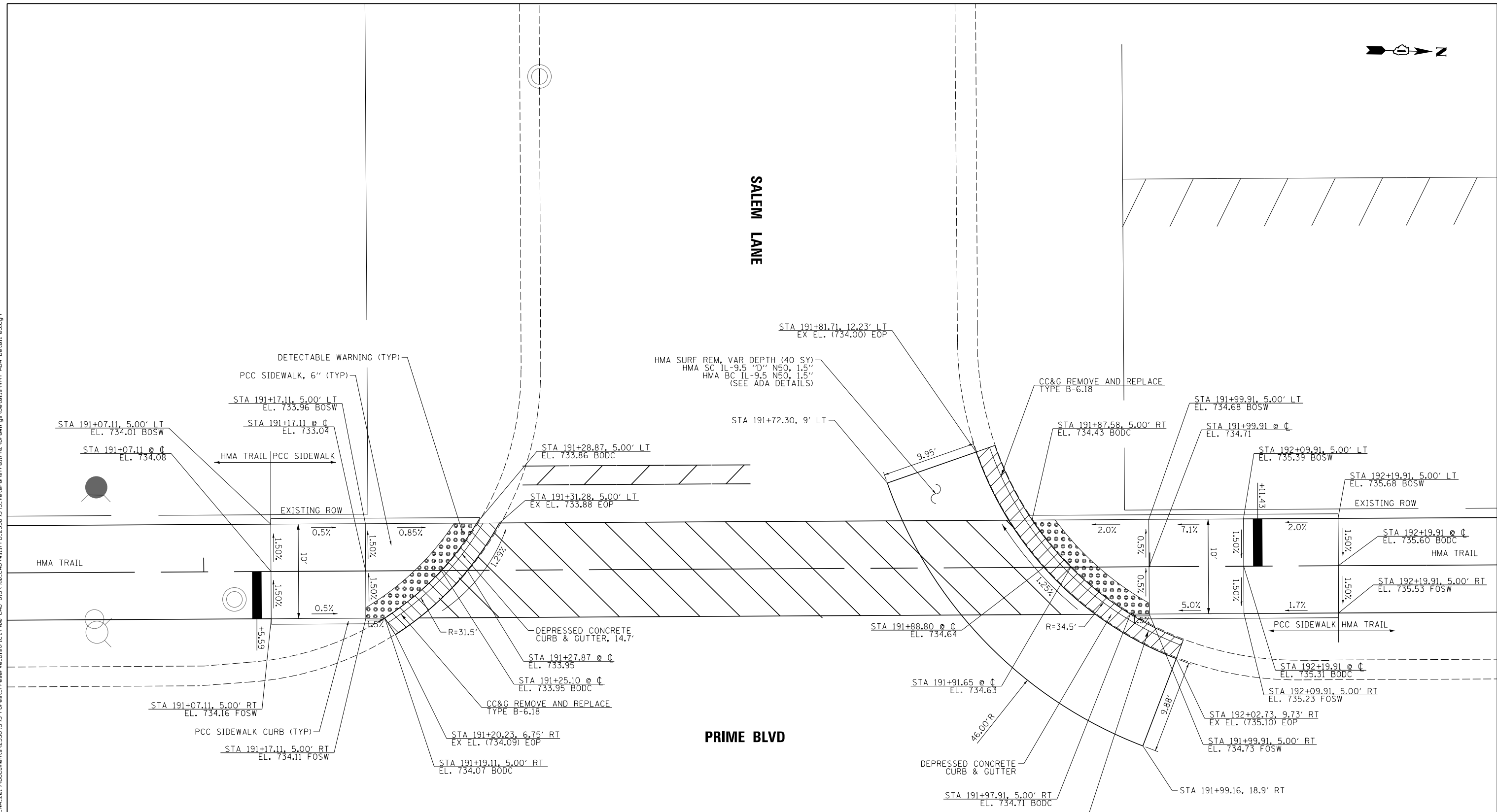
VETERANS MEMORIAL TRAIL  
 PCC SIDEWALK AND ADA DETAILS - PRIME BLVD  
 SCALE: 1"=5' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	61
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



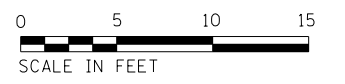
SALEM LANE

PRIME BLVD



EOP = EDGE OF PAVEMENT  
 BODC = BACK OF DEPRESSED CURB  
 BOSW = BACK OF SIDEWALK  
 FOSW = FACE OF SIDEWALK

NOTE:  
 FOR COMB. C&G REMOVAL AND REPLACEMENT, THE REPLACED C&G SHALL BE DEPRESSED AT THE INTERSECTION OF THE ADA RAMP AND THE ROADWAYS/DRIVEWAYS/ENTRANCES. ALL OTHER SECTIONS OF REPLACED C&G OUTSIDE OF THE LIMITS OF THE ADA RAMP SHALL MATCH THE EXISTING BARRIER TYPE C&G.



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USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

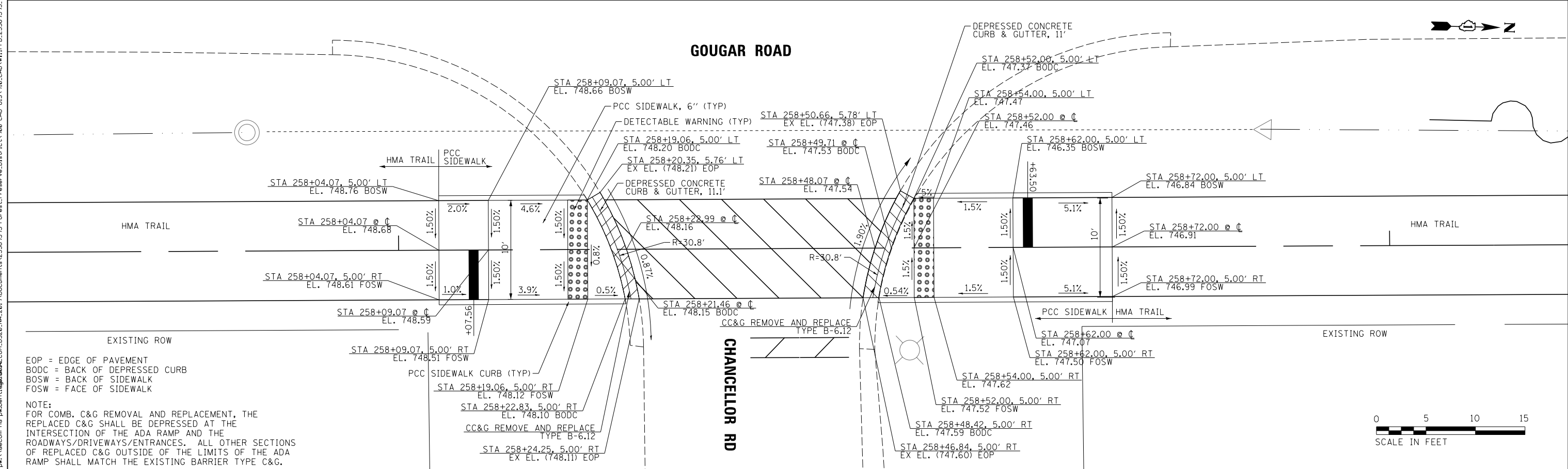
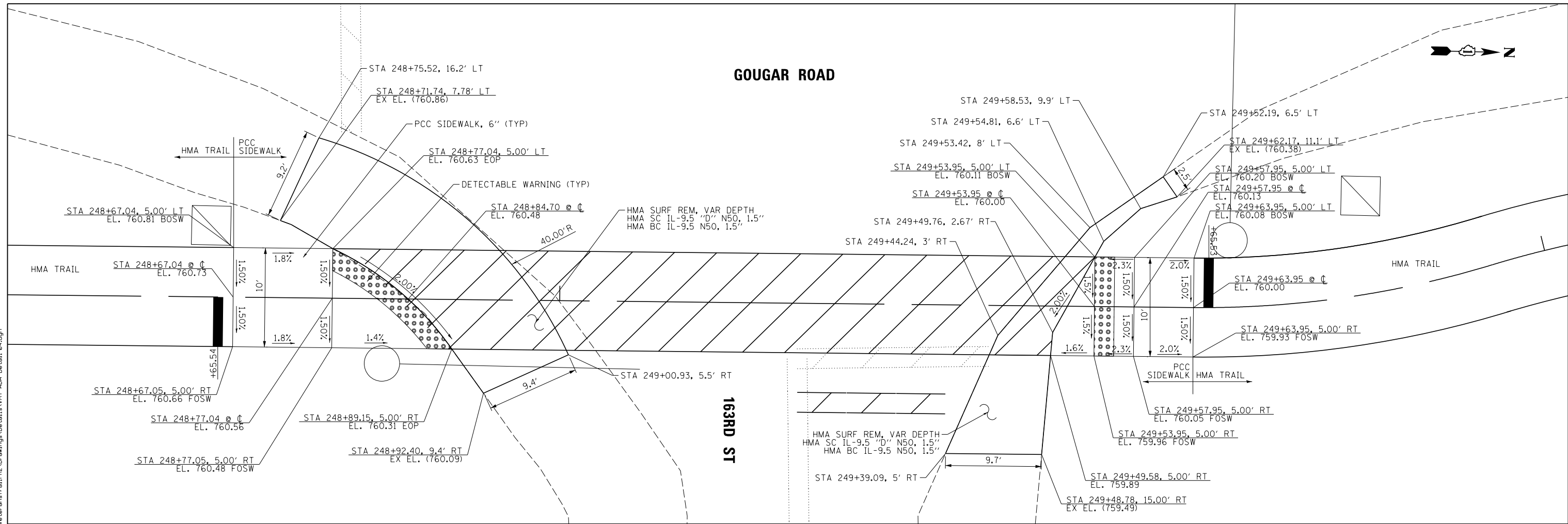
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 PCC SIDEWALK AND ADA DETAILS - PRIME BLVD

SCALE: 1"=5' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	62
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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EOP = EDGE OF PAVEMENT  
 BODC = BACK OF DEPRESSED CURB  
 BOSW = BACK OF SIDEWALK  
 FOSW = FACE OF SIDEWALK

NOTE:  
 FOR COMB. C&G REMOVAL AND REPLACEMENT, THE REPLACED C&G SHALL BE DEPRESSED AT THE INTERSECTION OF THE ADA RAMP AND THE ROADWAYS/DRIVEWAYS/ENTRANCES. ALL OTHER SECTIONS OF REPLACED C&G OUTSIDE OF THE LIMITS OF THE ADA RAMP SHALL MATCH THE EXISTING BARRIER TYPE C&G.



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

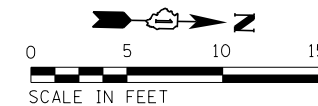
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 PCC SIDEWALK AND ADA DETAILS - GOUGAR ROAD

SCALE: 1"=5'    SHEET 4 OF 5 SHEETS    STA.    TO STA.

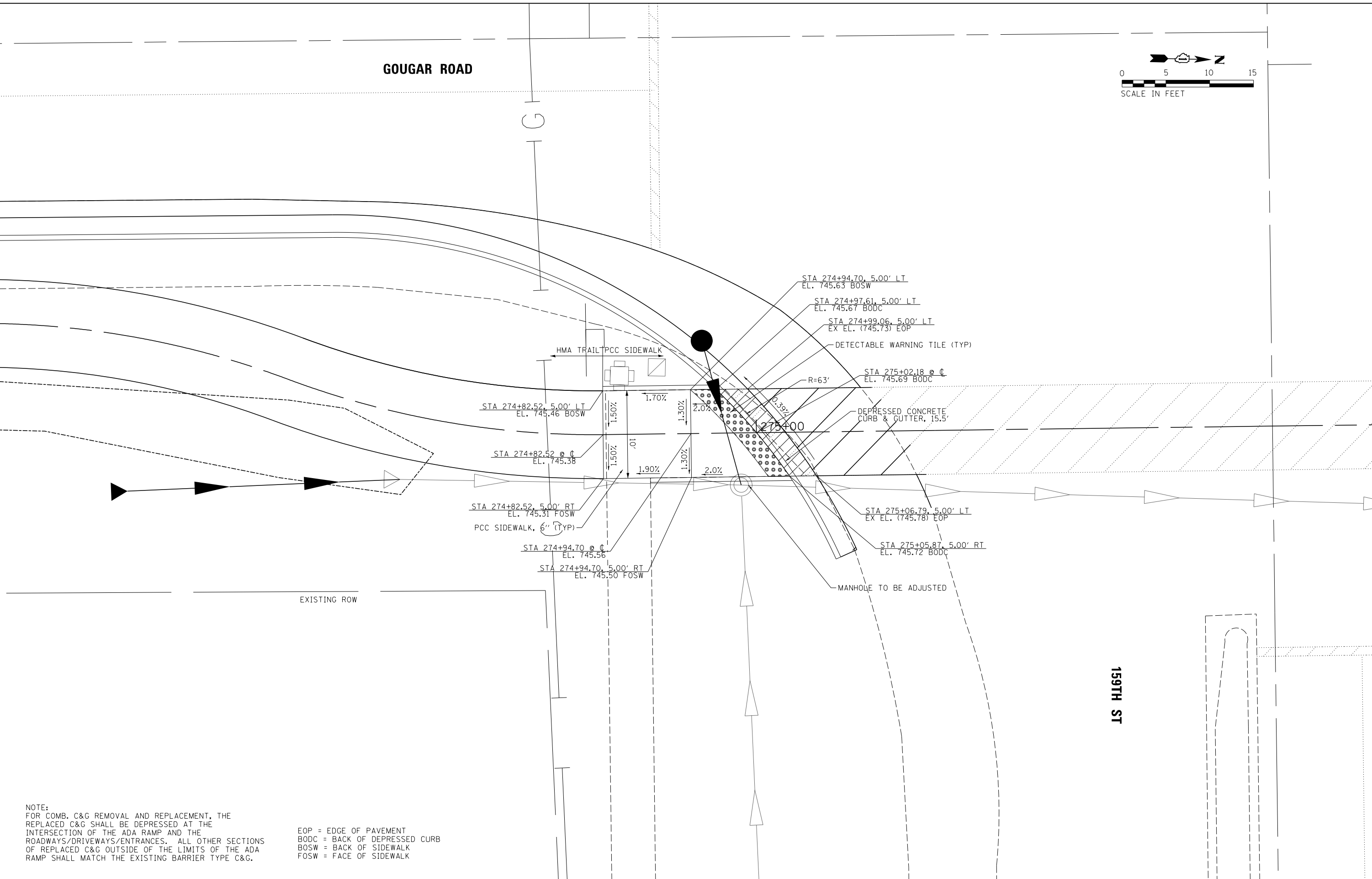
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	63
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

GOUGAR ROAD



C

FILE NAME = p:\a\escom-na-pw-bentl\gofamb\CD\LD528\_NA\_2019\Documents\25369593-Forrest\_Preserve-District\900-CAD\_015\10-CAD\WillFPD\_25369593\_VeteransTrail\Details\MT-ADA\_Detail\_05.dgn



NOTE:  
 FOR COMB. C&G REMOVAL AND REPLACEMENT, THE REPLACED C&G SHALL BE DEPRESSED AT THE INTERSECTION OF THE ADA RAMP AND THE ROADWAYS/DRIVEWAYS/ENTRANCES. ALL OTHER SECTIONS OF REPLACED C&G OUTSIDE OF THE LIMITS OF THE ADA RAMP SHALL MATCH THE EXISTING BARRIER TYPE C&G.

EOP = EDGE OF PAVEMENT  
 BODC = BACK OF DEPRESSED CURB  
 BOSW = BACK OF SIDEWALK  
 FOSW = FACE OF SIDEWALK



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

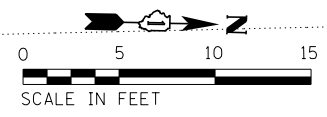
VETERANS MEMORIAL TRAIL  
 PCC SIDEWALK AND ADA DETAILS - GOUGAR ROAD

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

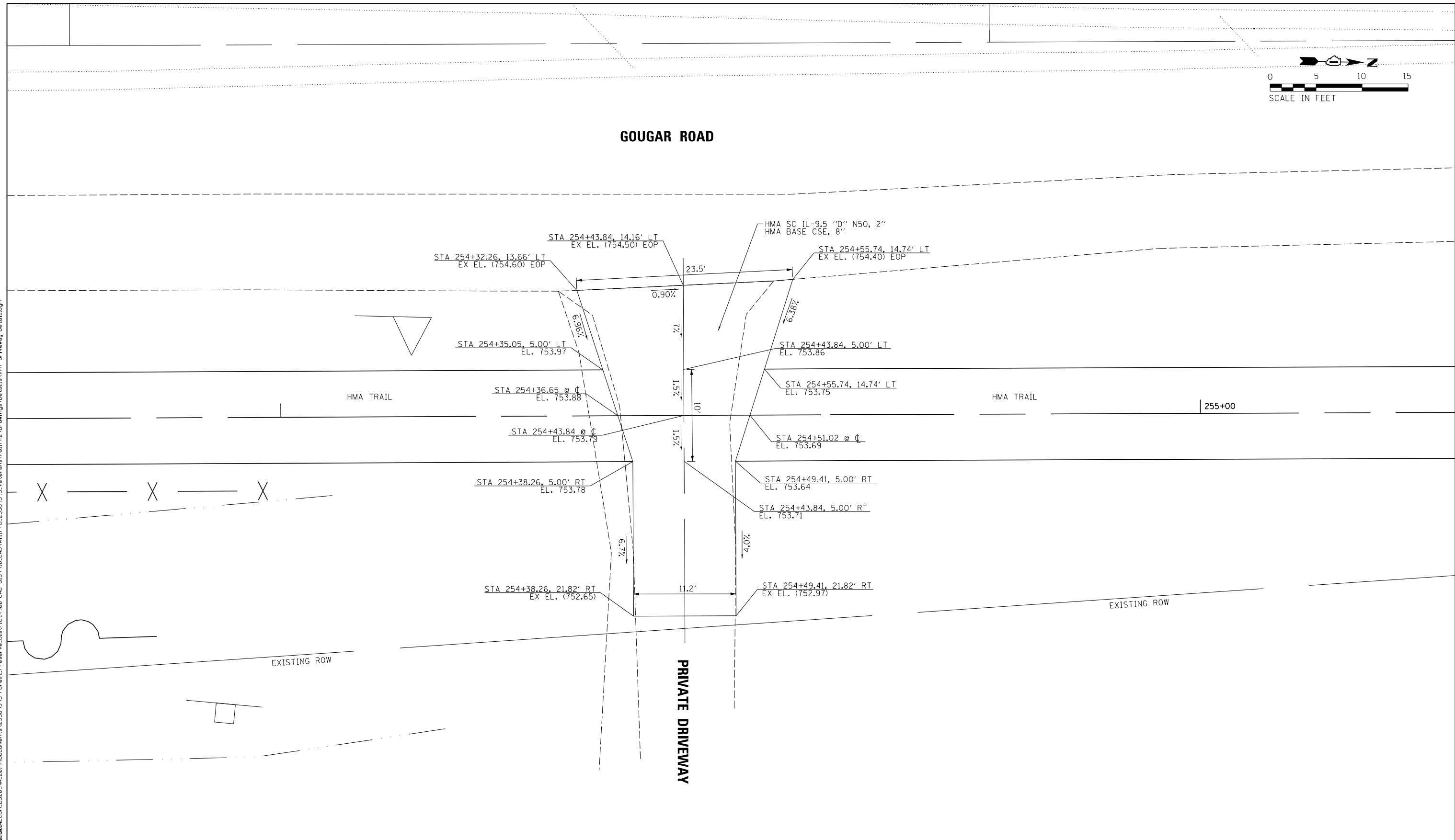
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	64
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

159TH ST





**GOUGAR ROAD**



EOP = EDGE OF PAVEMENT  
 BODC = BACK OF DEPRESSED CURB  
 BOSW = BACK OF SIDEWALK  
 FOSW = FACE OF SIDEWALK

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USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

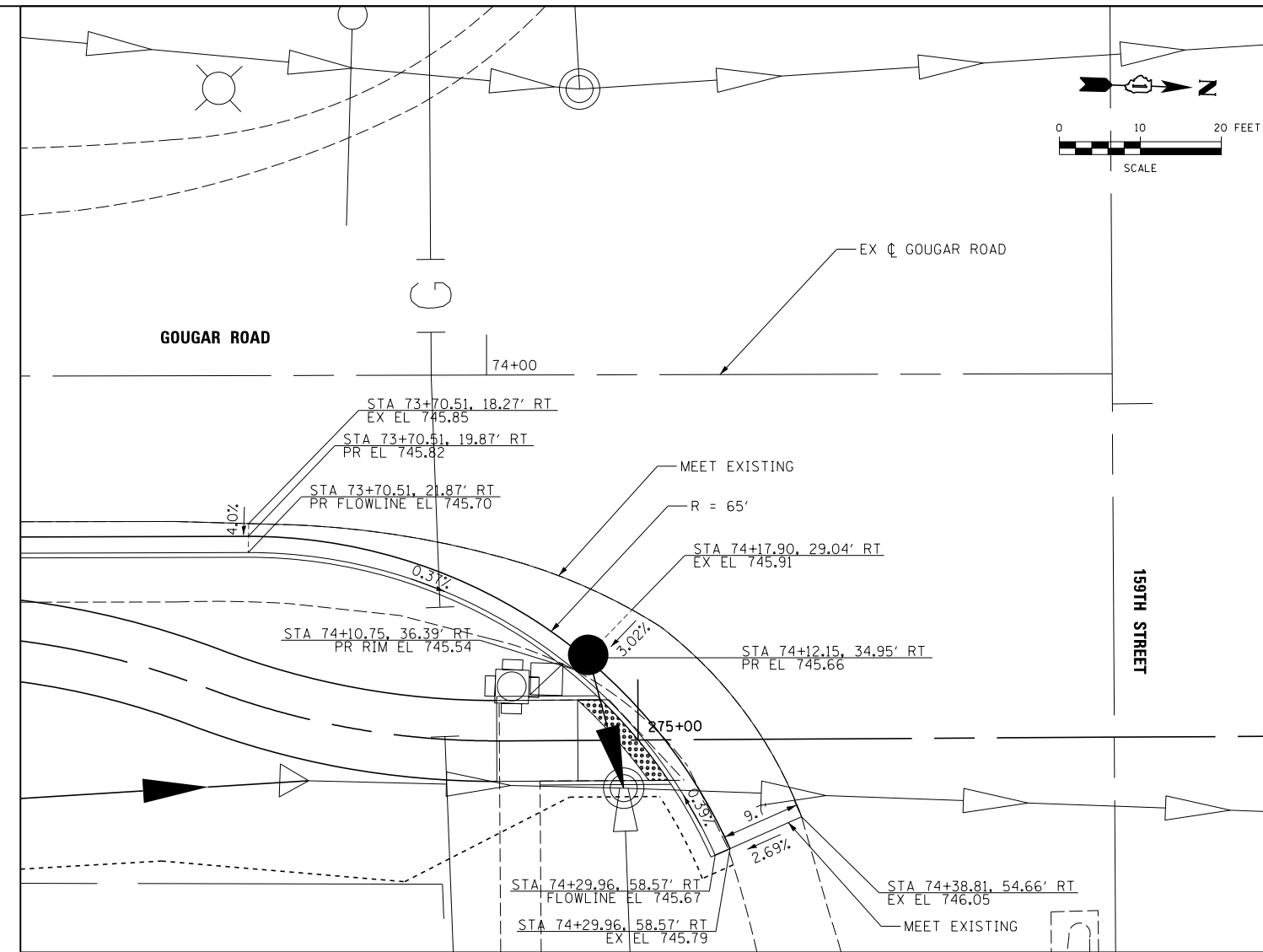
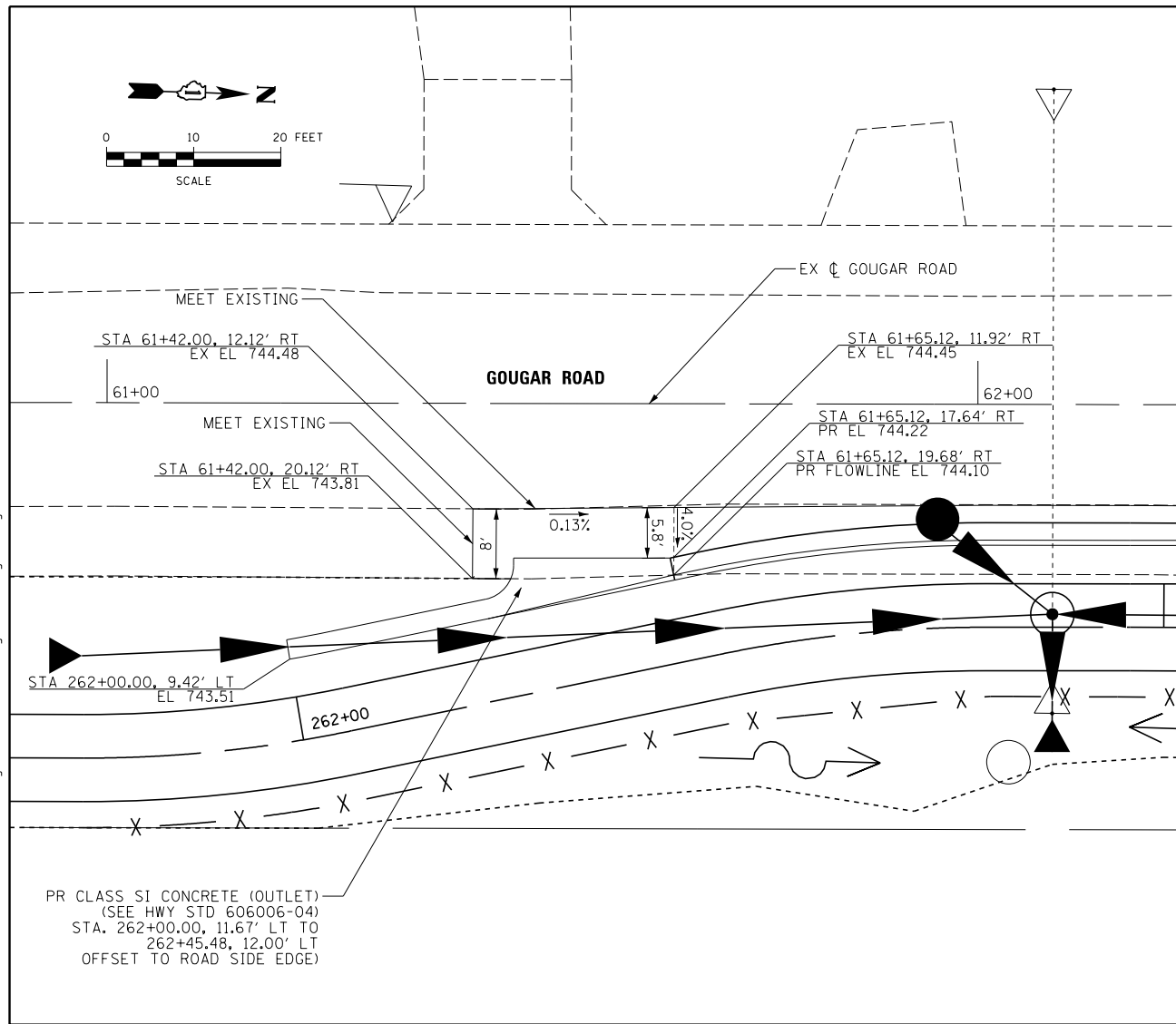
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 DRIVEWAY DETAILS - GOUGAR ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	65
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\a\oacm-na-pw-bentl\gofar\CDL\DS28\_NA\_2019\Documents\25369593-Forest-Prereserve-District\900-CAD\GIS\10-CAD\WillFPD\_25369593-Detail-Grading-Gougar-Rd.dgn  
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601  
 T 1-312-373-7100 F 1-312-373-6800



GRADING ELEVATION INFORMATION									
	STA. EX CL GOUGAR RD	EX EOP OFFSET	EX EOP ELEVATION	PR SHOULDER CROSS SLOPE	PR EDGE OF GUTTER OFFSET	PR EDGE OF GUTTER ELEVATION	PR GUTTER CROSS SLOPE	PR FLOWLINE OFFSET	PR FLOWLINE ELEVATION OR CB RIM ELEVATION
	61+65.12	11.92 RT	744.45	4.00%	17.64 RT	744.22	6.00%	19.68 RT	744.10
CB	61+95.46	11.66 RT	744.42	4.00%	13.71 RT	744.34	6.00%	15.71 RT	744.22
	62+50.00	11.66 RT	743.9	4.00%	13.66 RT	743.82	6.00%	15.66 RT	743.70
	63+00.00	11.78 RT	745.34	4.00%	13.78 RT	745.26	6.00%	15.78 RT	745.14
CB	63+20.00	11.83 RT	745.66	4.00%	13.83 RT	745.58	6.00%	15.83 RT	745.46
	63+50.00	11.90 RT	745.97	4.00%	13.90 RT	745.89	6.00%	15.90 RT	745.77
	64+00.00	12.02 RT	747.11	4.00%	14.02 RT	747.03	6.00%	16.02 RT	746.91
CB	64+60.00	12.16 RT	748.45	4.00%	14.16 RT	748.37	6.00%	16.16 RT	748.25
	65+00.00	12.25 RT	749.09	4.00%	14.25 RT	749.01	6.00%	16.25 RT	748.89
	65+50.00	12.37 RT	249.56	4.00%	14.37 RT	249.48	6.00%	16.37 RT	249.36
HP	66+00.75	12.32 RT	749.70	4.00%	14.32 RT	749.62	6.00%	16.32 RT	749.50
	66+50.00	12.28 RT	749.37	4.00%	14.28 RT	749.29	6.00%	16.28 RT	749.17
	67+00.00	12.24 RT	748.99	4.00%	14.24 RT	748.91	6.00%	16.24 RT	748.79
CB	67+50.00	12.19 RT	748.60	4.00%	14.19 RT	748.52	6.00%	16.19 RT	748.40

GRADING ELEVATION INFORMATION (CONTINUED)									
	STA. EX CL GOUGAR RD	EX EOP OFFSET	EX EOP ELEVATION	PR SHOULDER CROSS SLOPE	PR EDGE OF GUTTER OFFSET	PR EDGE OF GUTTER ELEVATION	PR GUTTER CROSS SLOPE	PR FLOWLINE OFFSET	PR FLOWLINE ELEVATION OR CB RIM ELEVATION
	68+00.00	12.14 RT	748.35	4.00%	14.14 RT	748.27	6.00%	16.14 RT	748.15
	68+50.00	12.66 RT	748.09	4.00%	14.63 RT	748.01	6.00%	16.63 RT	747.89
CB	69+00.00	13.78 RT	747.83	4.00%	15.72 RT	747.75	6.00%	17.72 RT	747.63
	69+50.00	14.95 RT	747.58	4.00%	16.80 RT	747.51	6.00%	18.80 RT	747.39
	70+00.00	16.15 RT	747.33	4.00%	17.88 RT	747.26	6.00%	19.88 RT	747.14
CB	70+35.00	16.91 RT	747.13	4.00%	18.64 RT	747.06	6.00%	20.64 RT	746.94
	70+50.00	17.19 RT	747.03	4.00%	18.97 RT	746.96	6.00%	20.97 RT	746.84
	71+00.00	18.11 RT	746.70	4.00%	20.05 RT	746.62	6.00%	22.05 RT	746.50
CB	71+55.00	18.48 RT	746.40	4.00%	20.40 RT	746.32	6.00%	22.40 RT	746.20
	72+00.00	18.47 RT	746.19	4.00%	20.28 RT	746.12	6.00%	22.28 RT	746.00
CB	72+55.00	18.28 RT	745.96	4.00%	20.13 RT	745.89	6.00%	22.13 RT	745.77
CB	73+05.00	18.00 RT	745.77	4.00%	20.00 RT	745.69	6.00%	22.00 RT	745.57
CB	73+50.00	18.00 RT	745.83	4.00%	19.87 RT	745.76	6.00%	21.87 RT	745.64



USER NAME = ken.moy  
 PLOT SCALE = 20.00' / in.  
 PLOT DATE = 2/8/2021

DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021

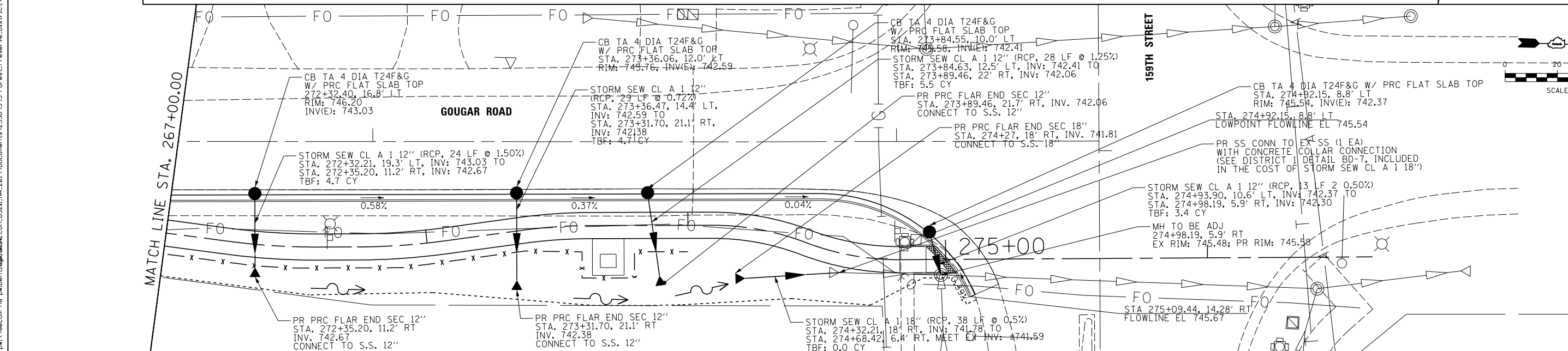
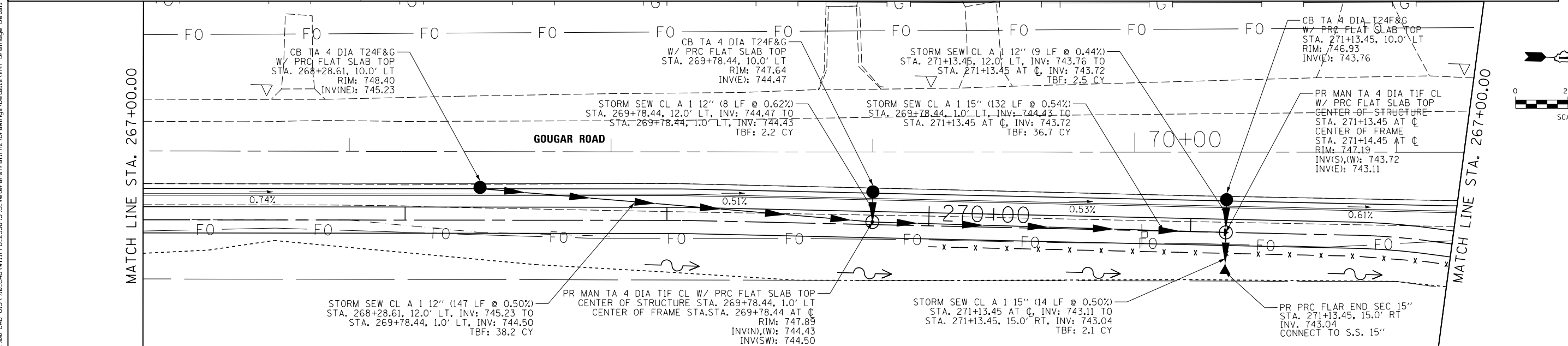
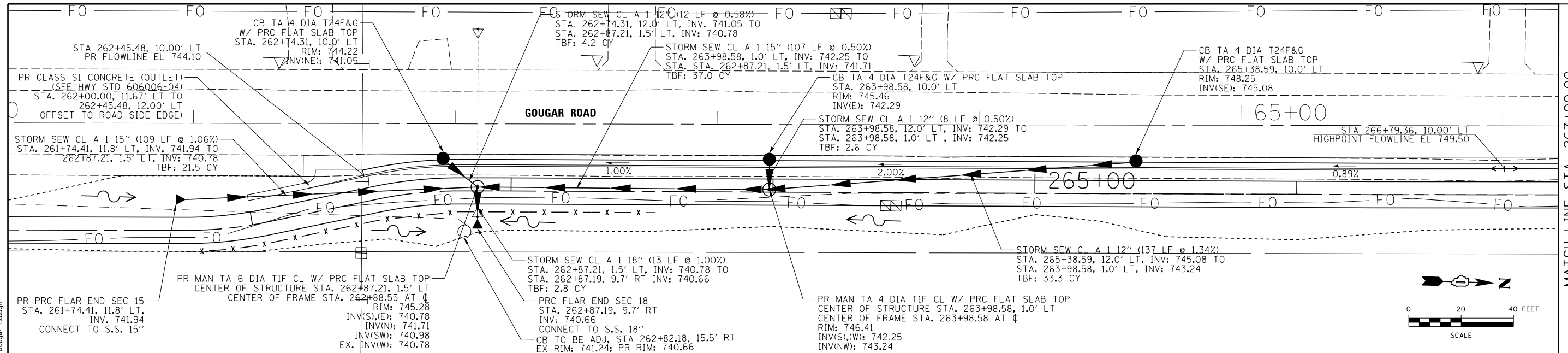
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 REVISED -  
 REVISED -

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

**VETERANS MEMORIAL TRAIL**  
**GOUGAR RD GRADING DETAIL**  
 SCALE: 1"=10'  
 SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	66
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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USER NAME = ken.moy  
 PLOT SCALE = 48.00' / in.  
 PLOT DATE = 2/8/2021

DESIGNED - JN  
 DRAWN - JN  
 CHECKED - KLM  
 DATE - 2/09/2021

REVISED -  
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 REVISED -

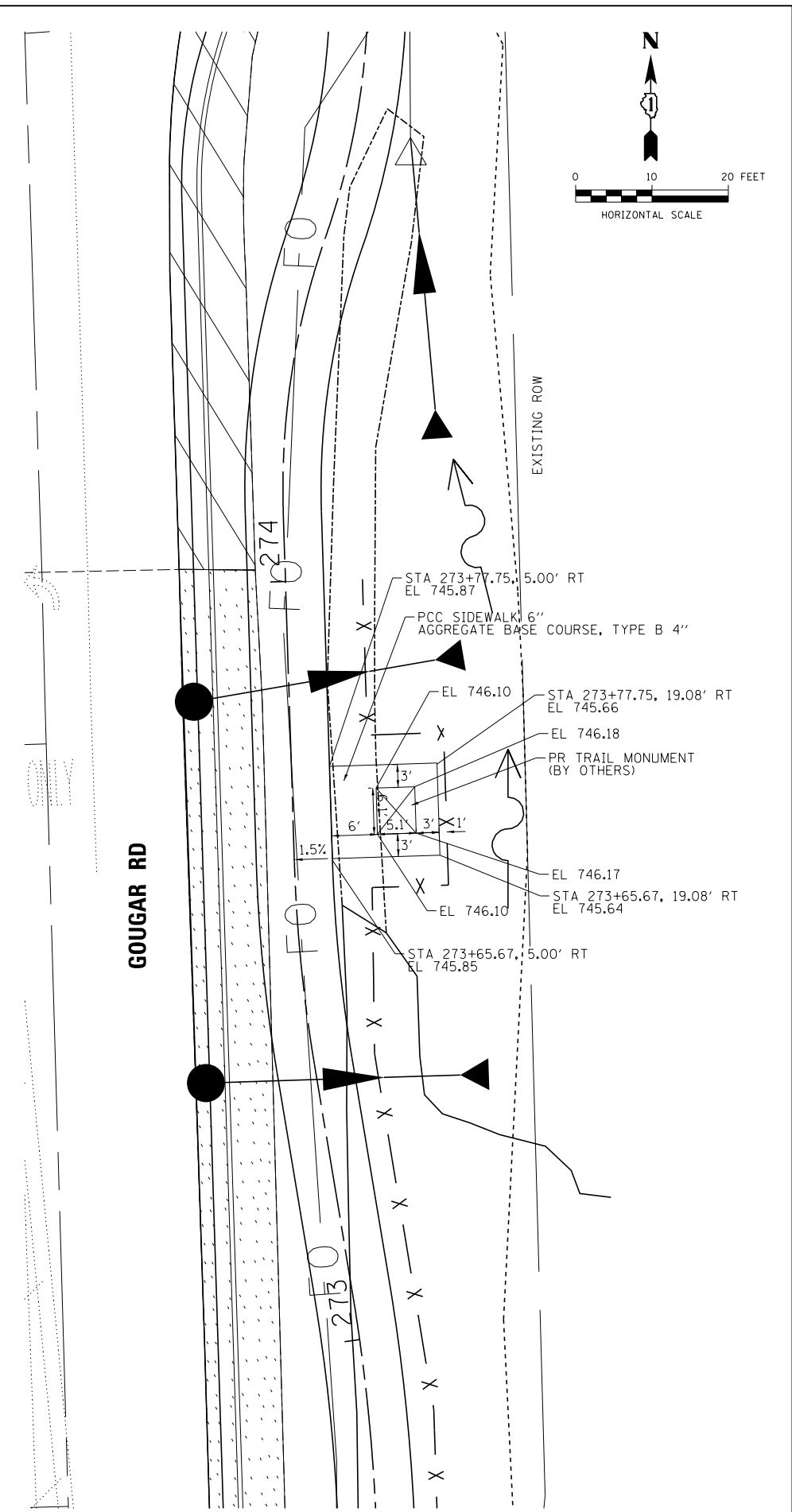
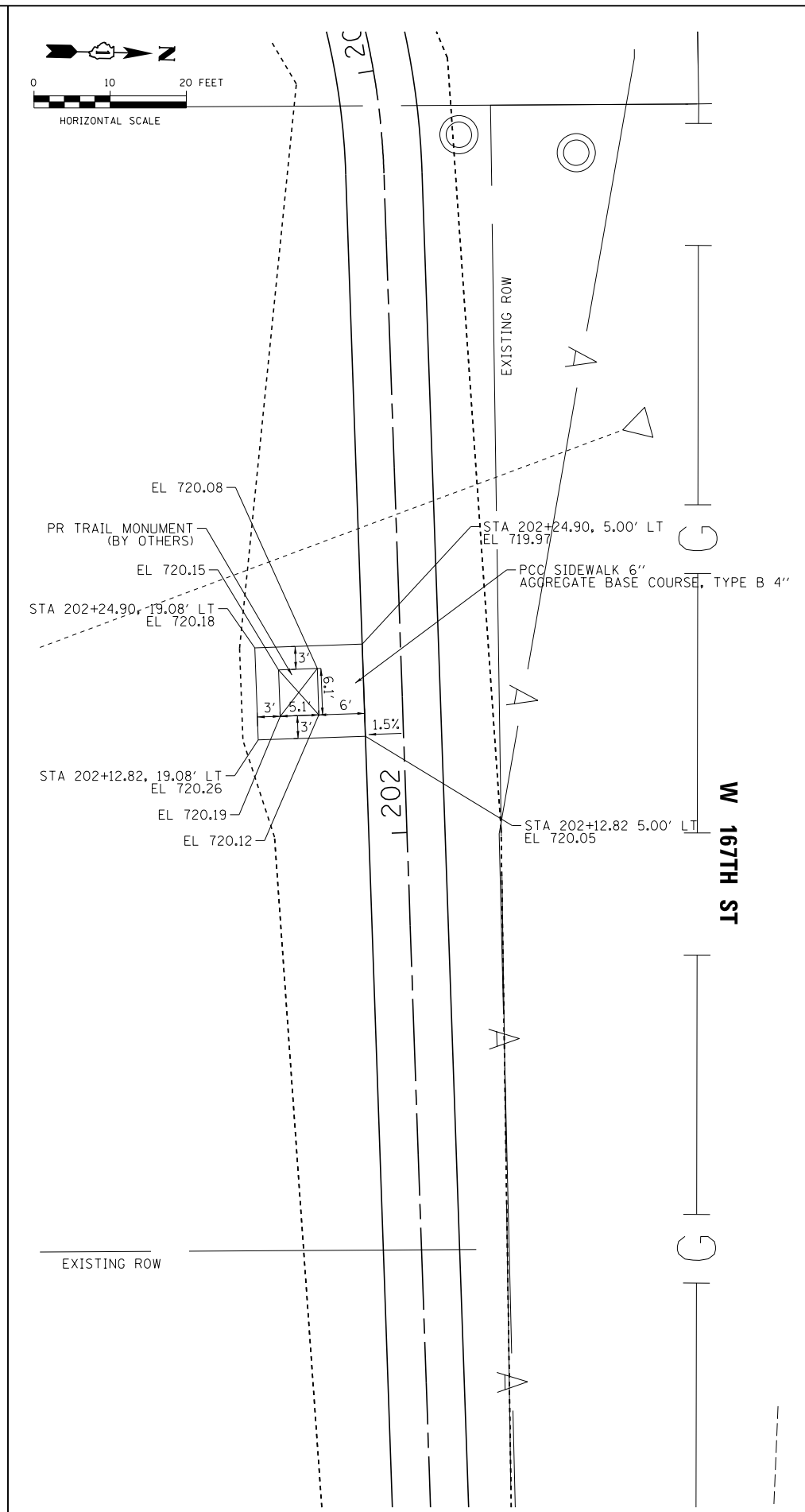
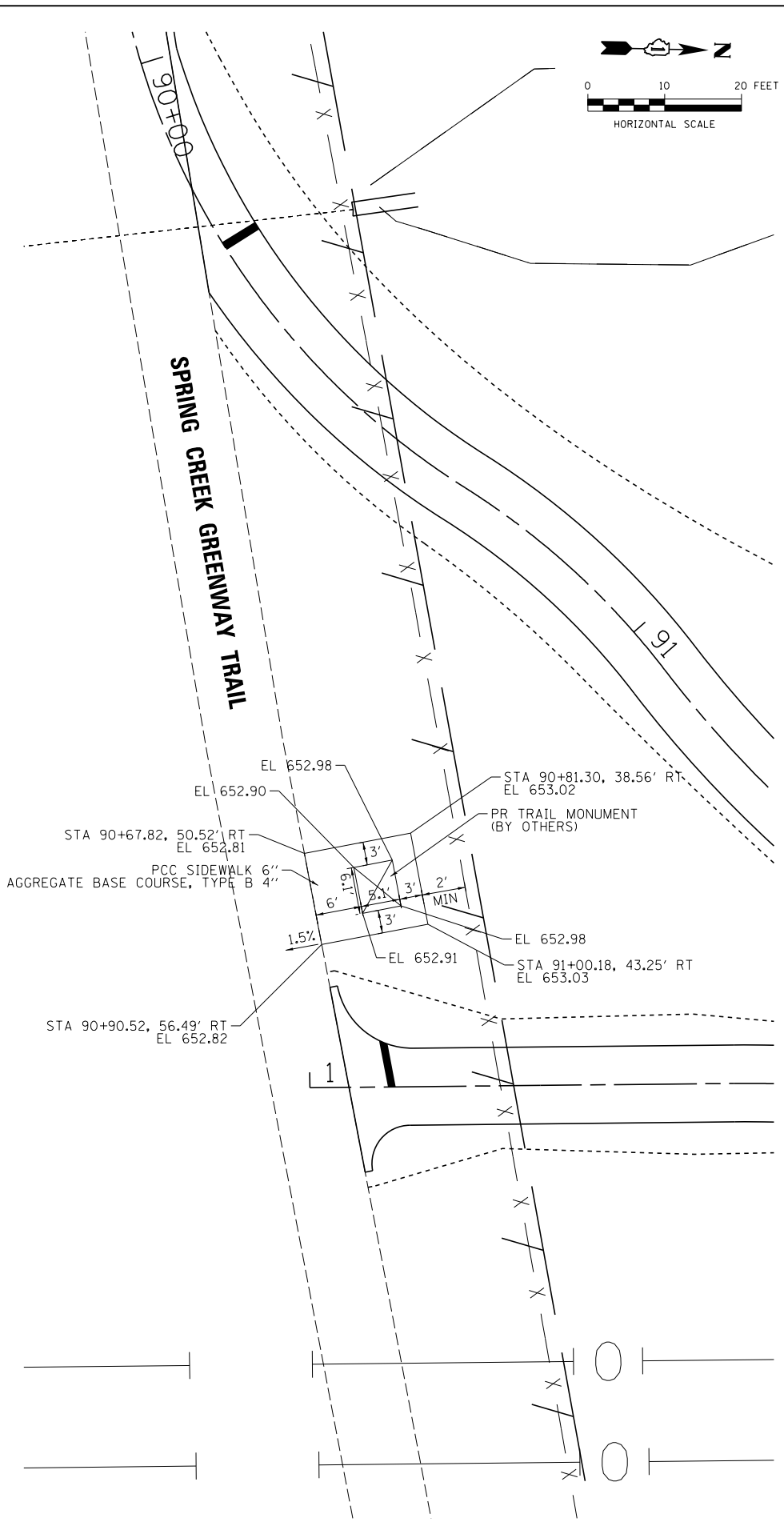
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
 GOUGAR RD DRAINAGE DETAIL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	67
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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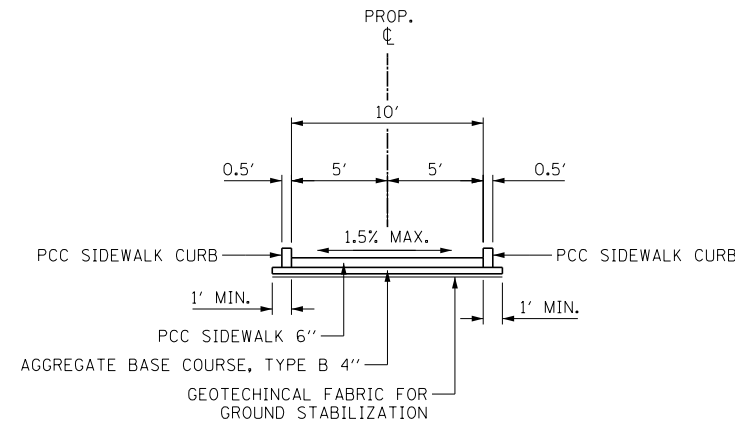
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	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

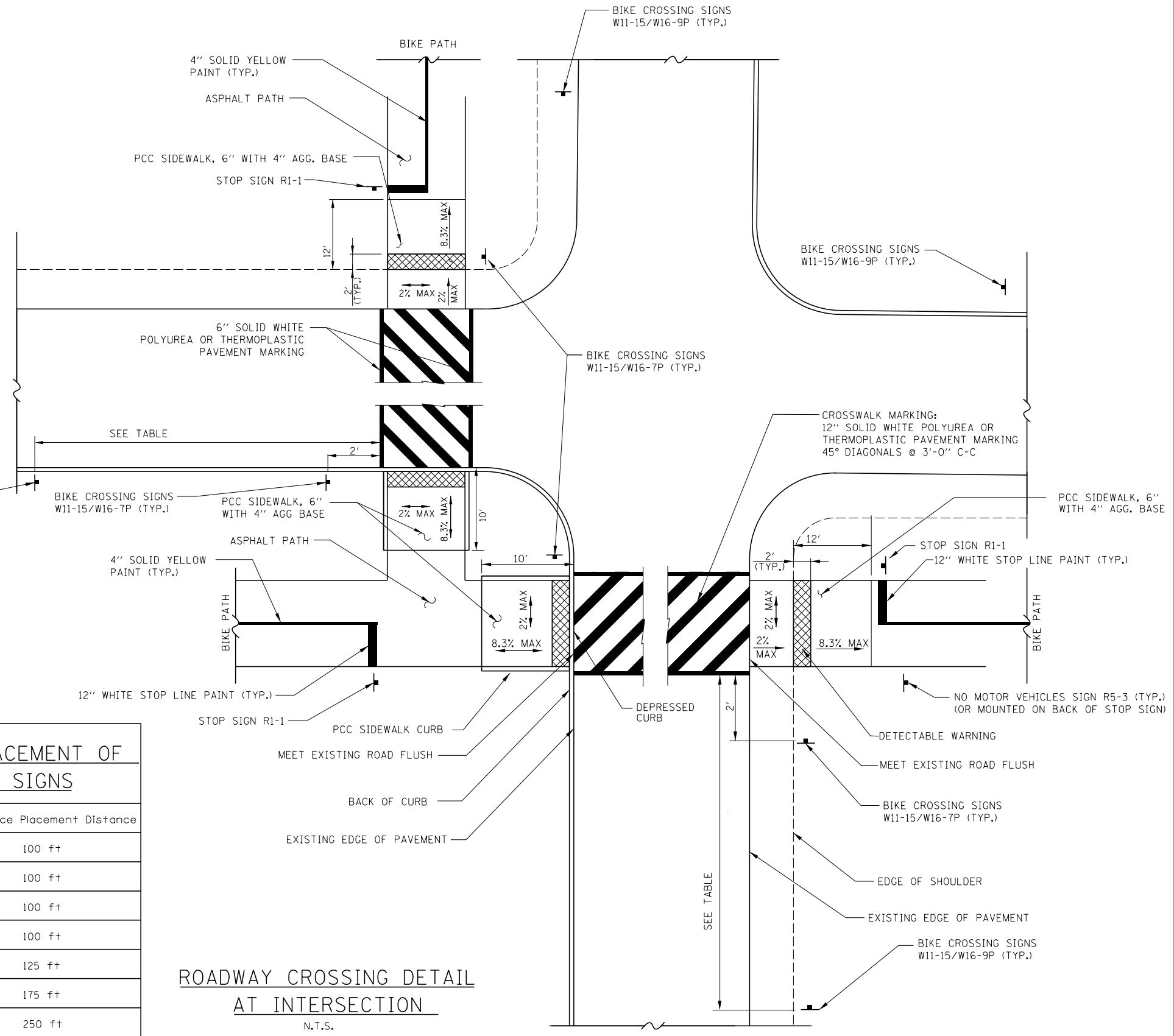
**VETERANS MEMORIAL TRAIL  
WAYFINDING SIGN PAD DETAIL**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	68
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION  
PCC SIDEWALK 6"



ROADWAY CROSSING DETAIL  
AT INTERSECTION  
N.T.S.

ADVANCE PLACEMENT OF WARNING SIGNS	
Posted Speed	Advance Placement Distance
20 mph	100 ft
25 mph	100 ft
30 mph	100 ft
35 mph	100 ft
40 mph	125 ft
45 mph	175 ft
50 mph	250 ft
55 mph	325 ft

FILE NAME = p:\aecom\ra-pw-bentl\gfa\m\CDL\DS20\_NA\_2019\Documents\25369593-Forrest\_Preserve-District\900-CAD\GIS\910-CAD\W11\FPD\_25369593\_VeteransTrail\Ph2\_Drawings\Details\MT\_Details\_02\_Intersection\_Details.dgn



USER NAME = kenu.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

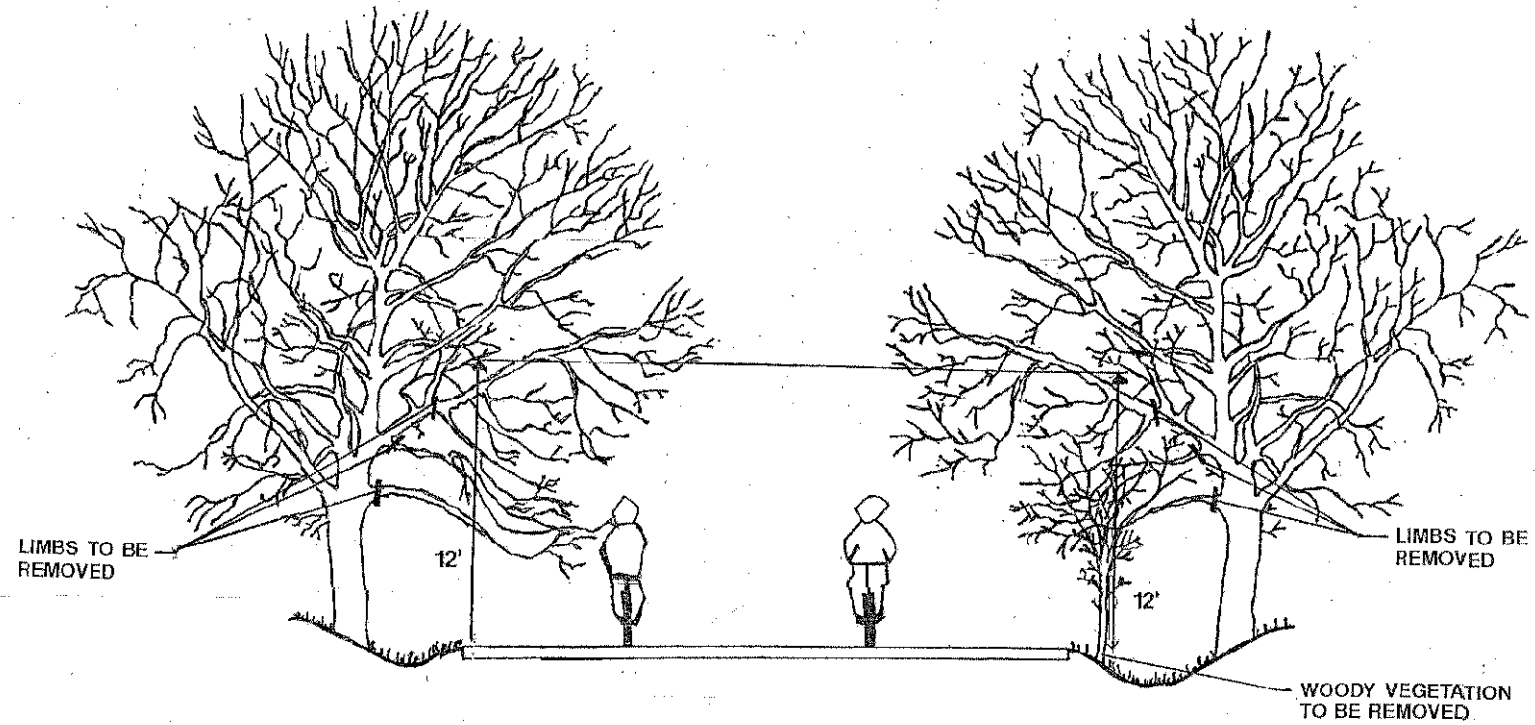
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
INTERSECTION APPROACH & SIDEWALK DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

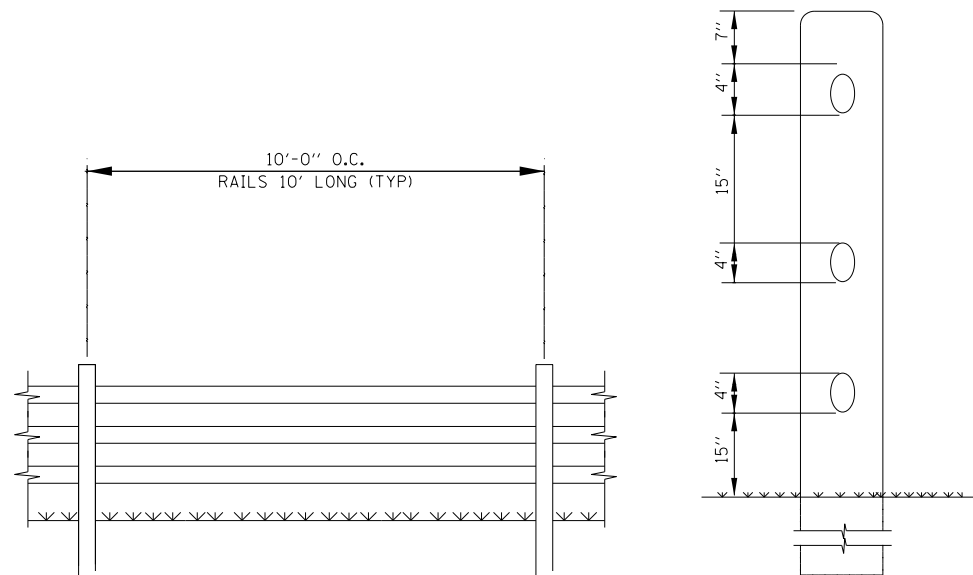
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	69
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\aecom-no-pw-bentl\gafamb\CDL\DS28\_NA\_2019\Documents\25369593-Forrest\_Preserve-District\900-CAD GIS\910-CAD GIS\910-CAD\W\IFPD\_25369593\_VeteransTrail\Ph2\_Drawing\Details\MT\_Details\_01\_Miscellaneous.dgn

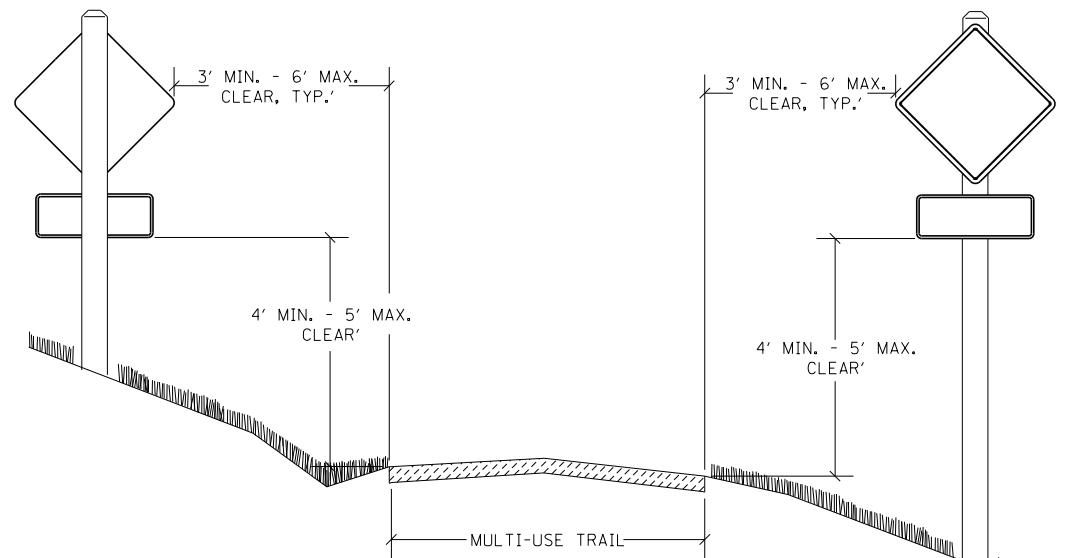


- GENERAL NOTES:
1. THE NATIONAL ARBORIST ASSOCIATION'S PRUNING STANDARDS FOR SHADE TREES CLASS II - STANDARD PRUNING SPECIFICATIONS SHALL BE FOLLOWED.
  2. SEE SECTION 201 OF THE SSRBC FOR CLEARING, TREE REMOVAL & PROTECTION, CARE AND REPAIR OF EXISTING PLANT MATERIAL REQUIREMENTS.

PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE  
N.T.S.



RUSTIC RAIL FENCE DETAIL  
N.T.S.



SIGN PLACEMENT  
N.T.S.



USER NAME = kenuoy	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

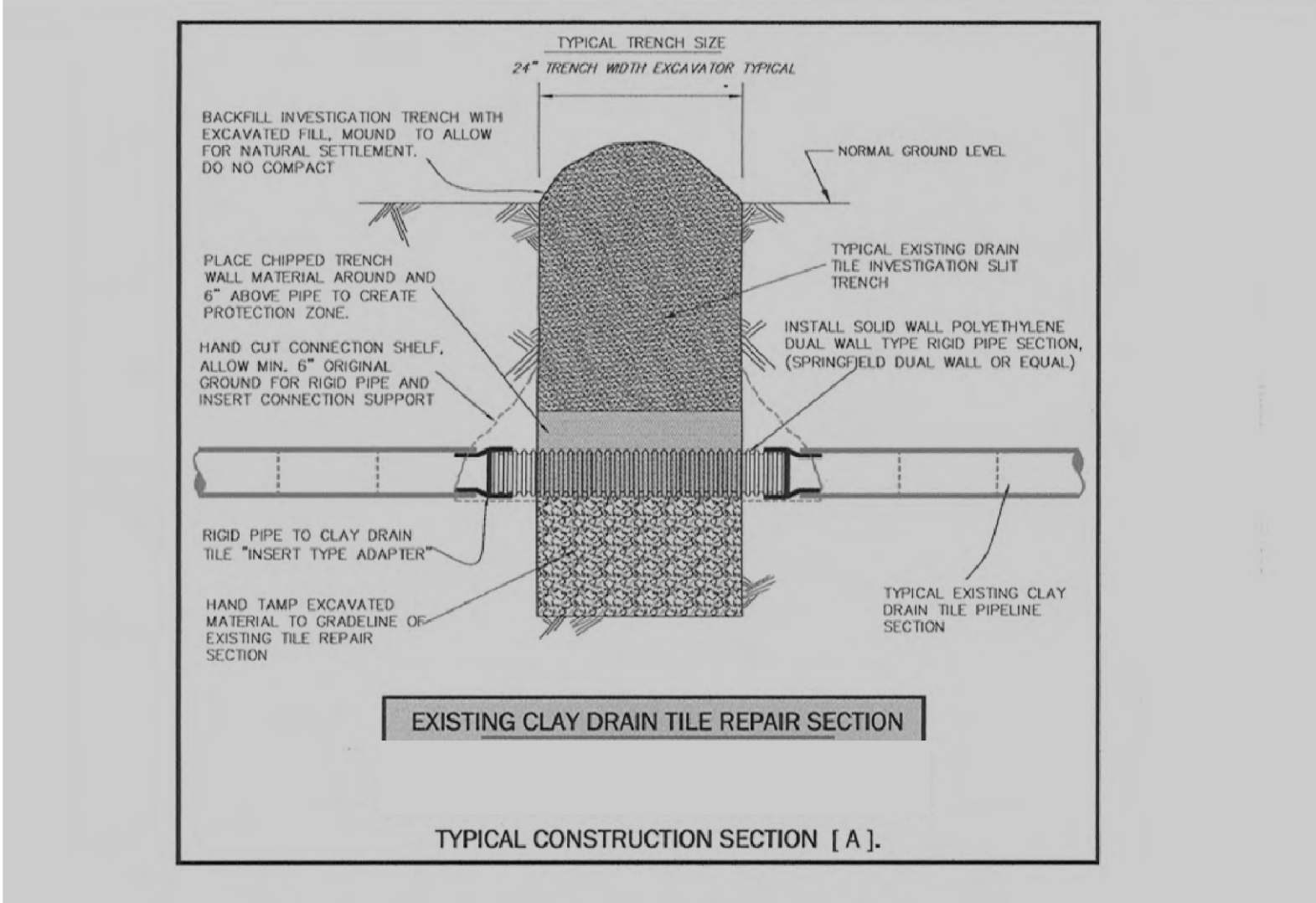
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
MISCELLANEOUS DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	70
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\aecom-no-pw-bentl\gprfamb\CDL\DS28\_NA\_2019\Documents\25369593-Forrest\_Preserve-District\900-CAD\GIS\910-CAD\WII\FPD\_25369593\_VeteransTrail\Ph2\_Drawings\Details\MT\_Details\_03\_DrainTileRepair.dgn



CLAY DRAIN TILE REPAIR DETAIL  
N.T.S.



USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

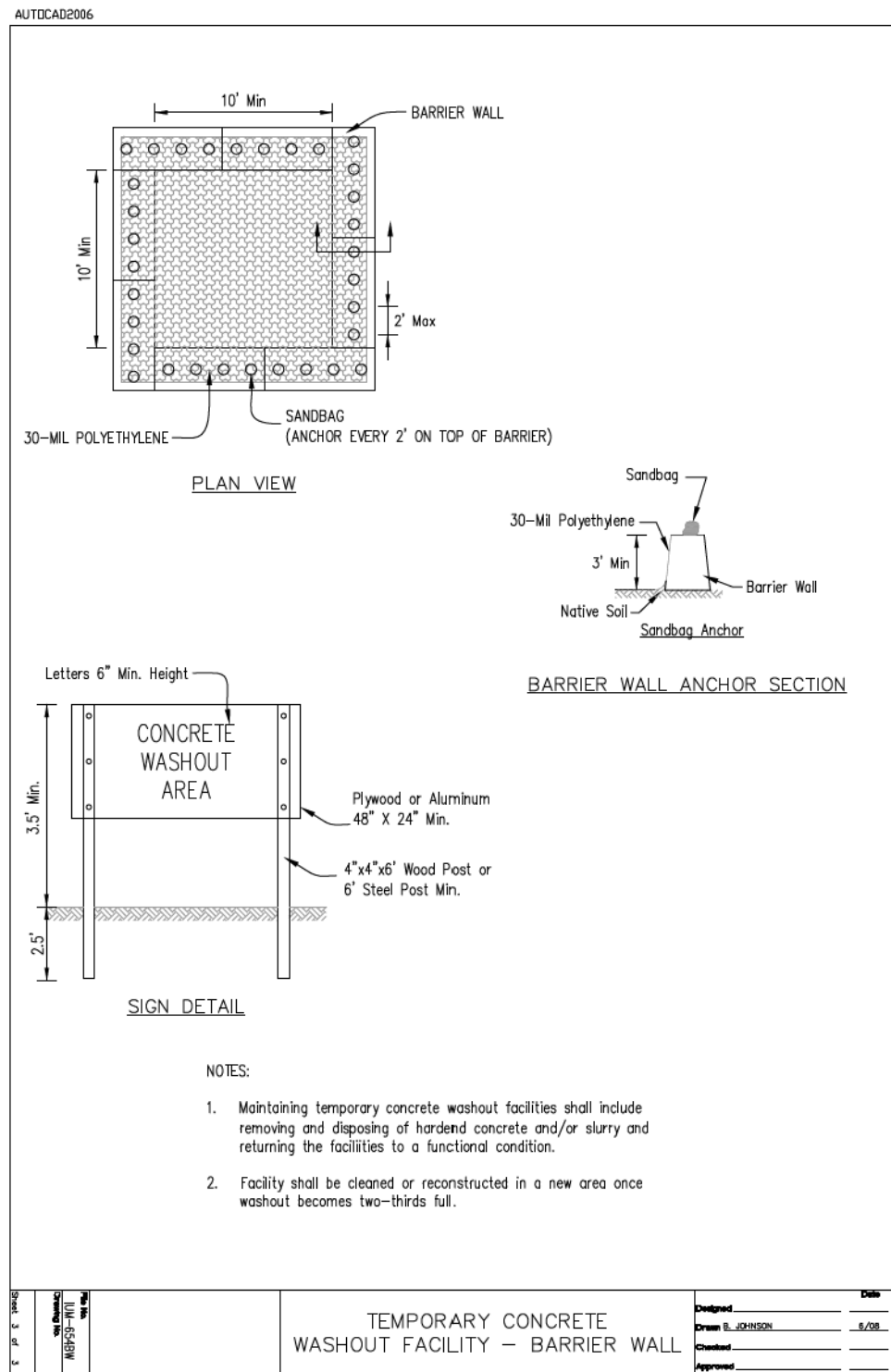
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
MISCELLANEOUS DETAILS

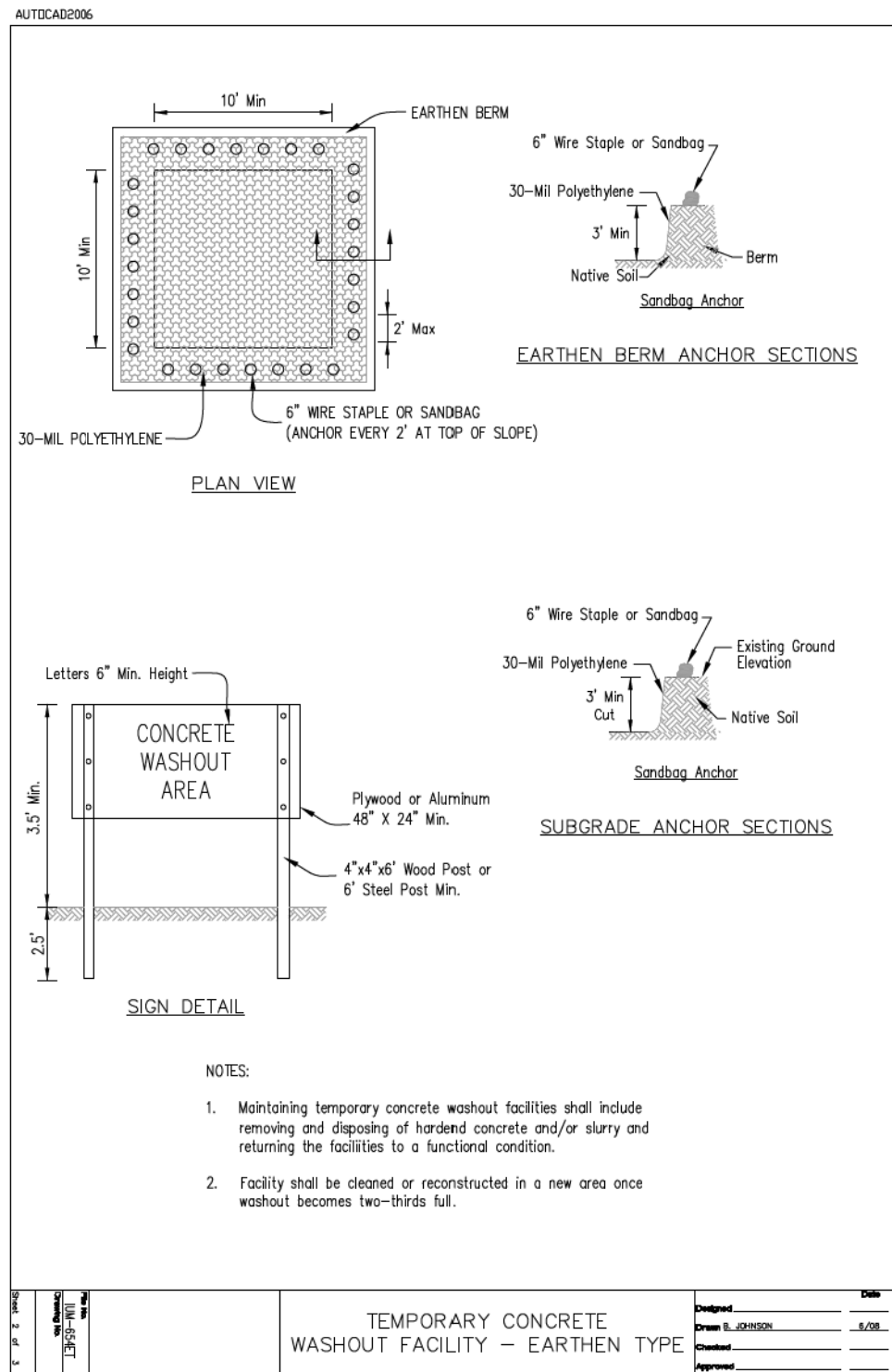
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	71
				CONTRACT NO. 61G74
ILLINOIS FED. AID PROJECT				

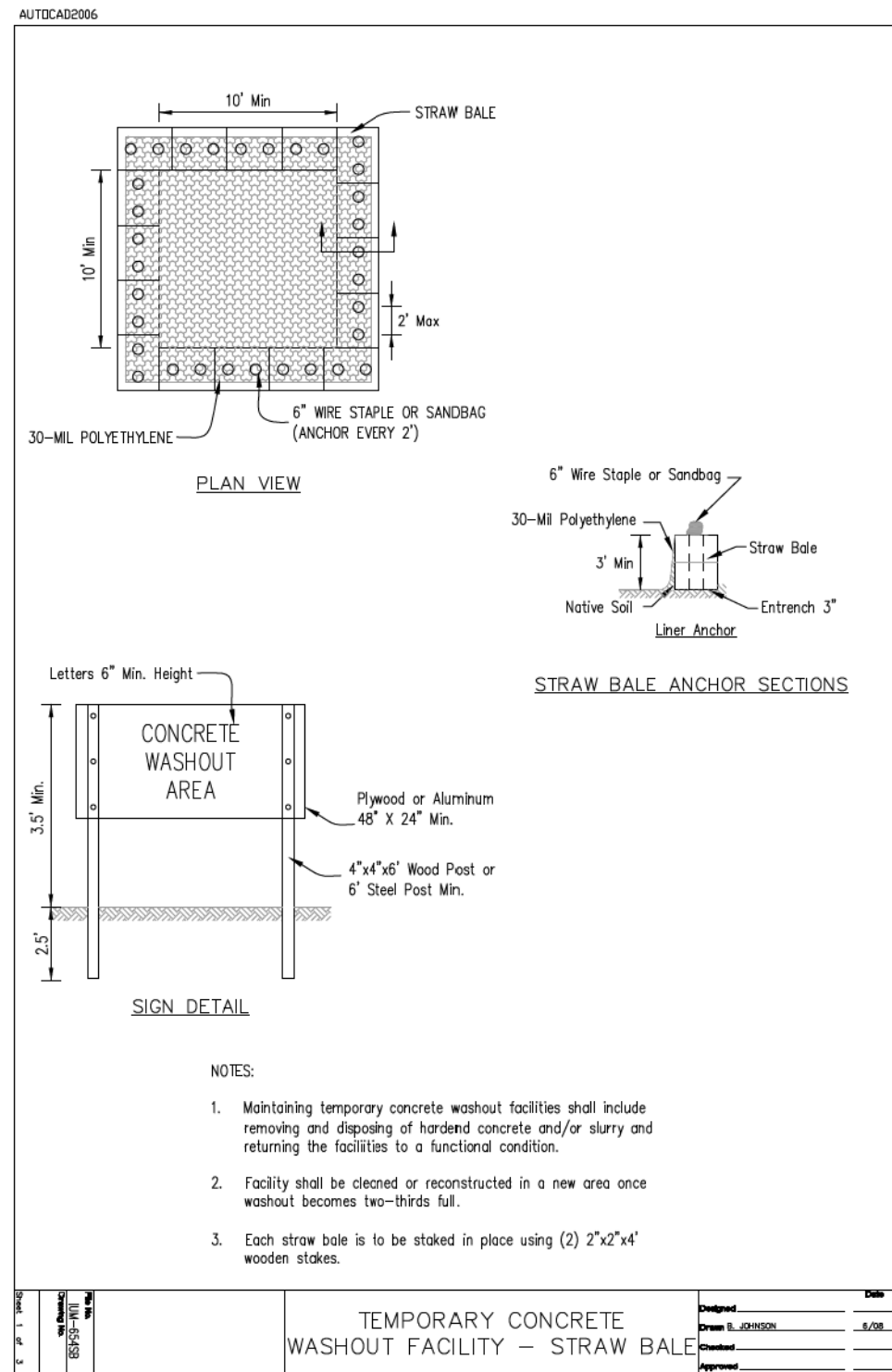
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DESIGNED		DATE	
DRAWN E. JOHNSON		6/08	
CHECKED			
APPROVED			
TEMPORARY CONCRETE WASHOUT FACILITY – BARRIER WALL			



DESIGNED		DATE	
DRAWN E. JOHNSON		6/08	
CHECKED			
APPROVED			
TEMPORARY CONCRETE WASHOUT FACILITY – EARTHEN TYPE			



DESIGNED		DATE	
DRAWN E. JOHNSON		6/08	
CHECKED			
APPROVED			
TEMPORARY CONCRETE WASHOUT FACILITY – STRAW BALE			

### TEMPORARY CONCRETE WASHOUT FACILITY OPTIONS



USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
TEMPORARY CONCRETE WASHOUT FACILITY DETAILS

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

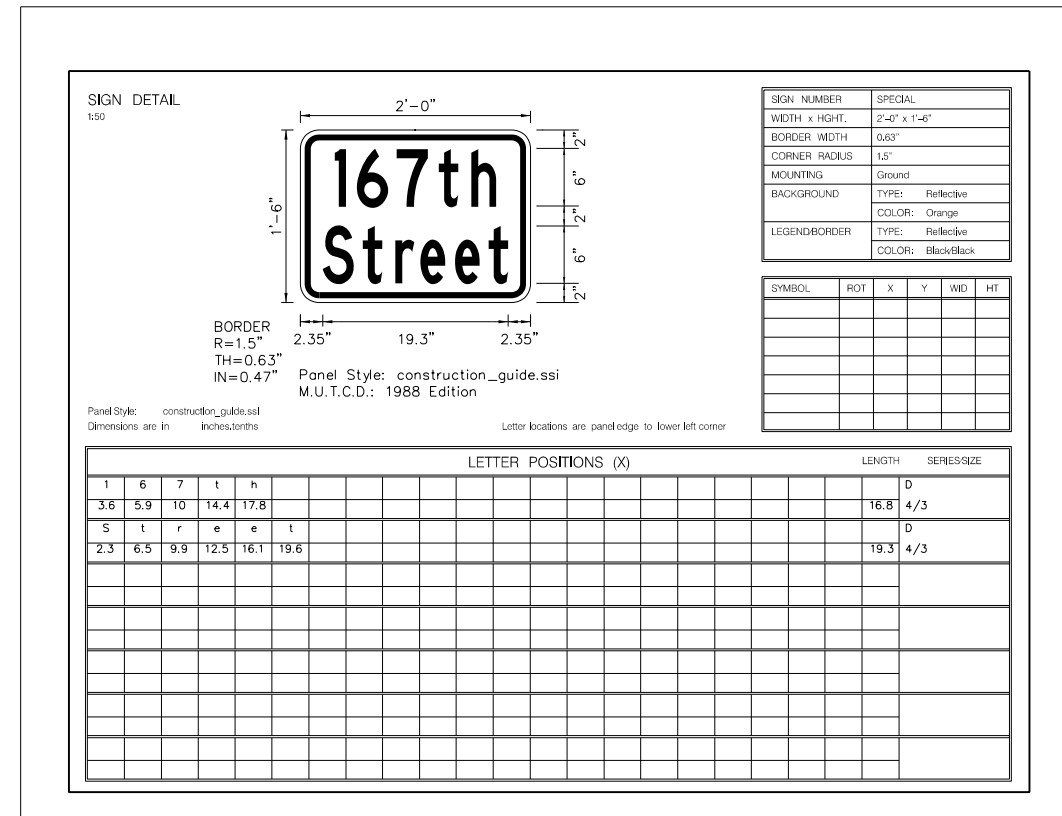
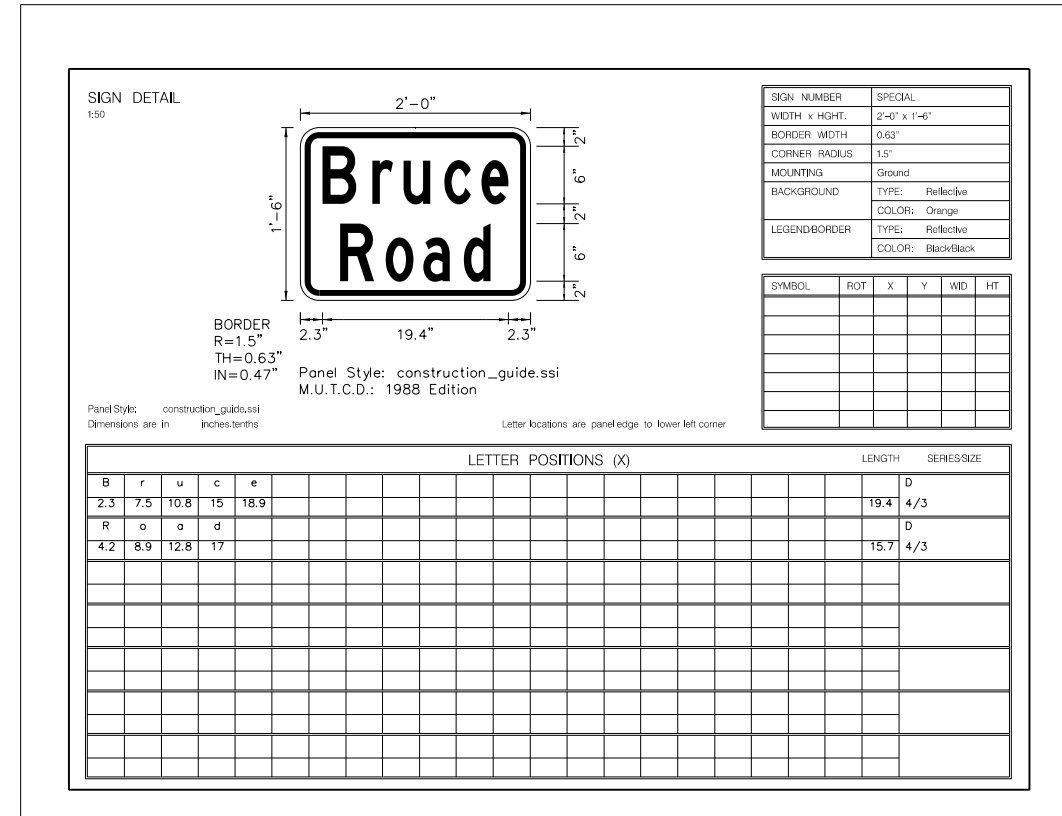
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	72
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



**MOT GENERAL NOTES:**

1. UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER 28 DAYS PRIOR TO ANY ANTICIPATED CLOSURES.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR II BARRICADE USED.
4. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
5. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
6. PRIOR TO START OF CONSTRUCTION ACTIVITIES, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
7. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL BUILDING ACCESS, COORDINATE WITH BUILDING OWNERS AND LOCAL AUTHORITIES AND PROVIDE FULL ACCESS TO BUSINESSES OR PROPERTIES DURING THEIR NORMAL WORKING HOURS IN ACCORDANCE WITH ADA AND APPLICABLE CODE REQUIREMENTS.
8. THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON ALL STREETS EXCEPT WHERE NOTED ON THE PLANS AND PROHIBIT PARKING WITHIN FIFTY (50) FEET OF THE CONSTRUCTION AREA AT ALL TIMES.
9. PROVIDE CONTINUOUS TEMPORARY ACCESS TO ALL SIDE STREETS, ALLEYS, DRIVEWAYS, AND PARKING LOTS UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS FOR TEMPORARY CLOSURE. LOTS WITH MORE THAN ONE DRIVEWAY MUST BE STAGED TO KEEP AT LEAST ONE DRIVEWAY OPEN AT ALL TIMES.
10. MAINTAIN ACCESS TO FIRE HYDRANTS, BUILDING STANDPIPES AND OTHER EMERGENCY FACILITIES WITHIN THE CONSTRUCTION ZONE.
11. SIGNS W21-1 AND W20-7 SHALL BE TAKEN DOWN OR COVERED WHEN THE WORKERS ARE NOT PRESENT.
12. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL). ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER.
13. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC AS SOON AS THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.

**TEMPORARY INFORMATION SIGNING  
SIGN DETAILS:**



FILE NAME = p:\aecom-no-pw-bentl\gafamb\CD\CD524\_NA\_2019\Documents\25369593-Forest-Reserve-District\900-CAD\GIS\910-CAD\WIP\2025369593-VeteransTrail\PH2-Drawings\MOT\SHT-MOT\_167th-Notes.dgn



USER NAME = ken.moy	DESIGNED - JN	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 100.00' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
MAINTENANCE OF TRAFFIC - GENERAL NOTES**

SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	73
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\a\escom-no-pw-bentl\edf\m\CDL\DS28\_NA\_2019\Documents\25369593-Forest-Reserve-District\900-CAD\GIS\910-CAD\W\IFPD\_25369593\_VeteransTrail\PH2\_Dr-wings\MOT\SHT-MOT\_DET-TOUR-BRUCE



**LEGEND:**

- WORK AREA
- TRAFFIC CONTROL SIGN
- TYPE III BARRICADE
- EB DETOUR TRAFFIC FLOW
- WB DETOUR TRAFFIC FLOW

**NOTES:**

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.JULIE @ (800) 892-0123.
2. ROAD CLOSURE SHALL FOLLOW THE LATEST VERSION OF THE IDOT HIGHWAY STANDARDS AND DISTRICT 1 STANDARD DETAILS TC-10 AND TC-21.
3. ALL DETOUR SIGNS SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LETTERS.
4. ANY IDOT SIGN COVERED OR CHANGED SHALL BE DONE SO IN A MANNER WHICH DOES NOT DAMAGE SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
5. CONSTRUCTION ACTIVITY ON Bruce Rd AND 167TH ST CANNOT OCCUR CONCURRENTLY. 167TH ST IS REQUIRED TO REMAIN OPEN TO TRAFFIC WHEN THIS DETOUR IS IN PLACE. THIS DETOUR SHALL ONLY TO BE IN PLACE FOR A TOTAL OF 20 WORKING DAYS DURING THE MONTHS OF JUNE AND JULY WHEN SCHOOLS ARE NOT IN SESSION.
6. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND STANDARD SIGNS ALONG THE DETOUR ROUTE SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
7. ALL ROAD/STREET NAME SIGNS SHALL BE MIXED CASE BLACK FONT WITH A MINIMUM 6" MINIMUM TEXT HEIGHT ON ORANGE REFLECTIVE BACKGROUND (TYP).



USER NAME = ken.moy  
 PLOT SCALE = 800.00' / in.  
 PLOT DATE = 2/8/2021

DESIGNED - ZND  
 DRAWN - ZND  
 CHECKED - BMC  
 DATE - 2/09/2021

REVISED -  
 REVISED -  
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 REVISED -

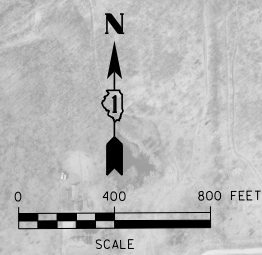
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 MAINTENANCE OF TRAFFIC BRUCE ROAD  
 TRUCK AND CAR DETOUR PLAN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	74
CONTRACT NO. 61G74			ILLINOIS FED. AID PROJECT	

1  M4-9R 24"x30"	4  M4-9L 30"x24"	7  WEST Bruce Road M3-4 24"x12" SPECIAL 24"x18"	11  ROAD CLOSED 500FT W20-3 48"x48"	13  M4-10R 48"x18"	15  DETOUR AHEAD W20-2 48"x48"	17  ROAD CLOSED 0.75 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A 60"x30"
2  M4-9L 24"x30"	5  M4-9 24"x30"	8  EAST Bruce Road M3-2 24"x12" SPECIAL 24"x18"	12  M4-10L 48"x18"	14  ROAD CLOSED AHEAD W20-3 48"x48"	16  ROAD CLOSED TO THRU TRAFFIC R11-4 60"x30"	18  ROAD CLOSED R11-2 48"x30"
3  M4-9R 30"x24"	6  END DETOUR M4-8A 24"x18"	19  M4-9 24"x30"				



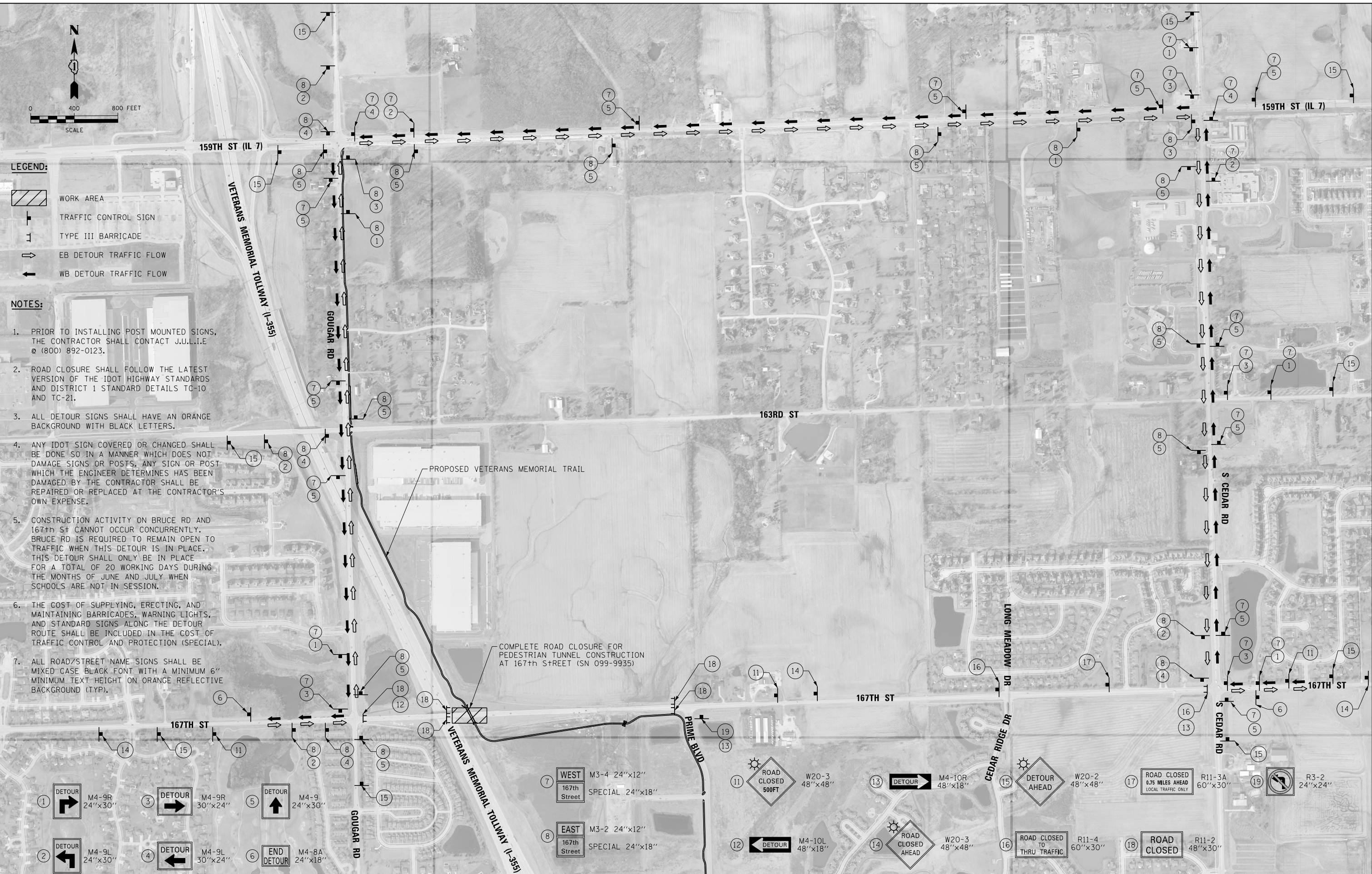
**LEGEND:**

- WORK AREA
- TRAFFIC CONTROL SIGN
- TYPE III BARRICADE
- EB DETOUR TRAFFIC FLOW
- WB DETOUR TRAFFIC FLOW

**NOTES:**

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.J.L.I.E @ (800) 892-0123.
2. ROAD CLOSURE SHALL FOLLOW THE LATEST VERSION OF THE IDOT HIGHWAY STANDARDS AND DISTRICT 1 STANDARD DETAILS TC-10 AND TC-21.
3. ALL DETOUR SIGNS SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LETTERS.
4. ANY IDOT SIGN COVERED OR CHANGED SHALL BE DONE SO IN A MANNER WHICH DOES NOT DAMAGE SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
5. CONSTRUCTION ACTIVITY ON BRUCE RD AND 167th St CANNOT OCCUR CONCURRENTLY. BRUCE RD IS REQUIRED TO REMAIN OPEN TO TRAFFIC WHEN THIS DETOUR IS IN PLACE. THIS DETOUR SHALL ONLY BE IN PLACE FOR A TOTAL OF 20 WORKING DAYS DURING THE MONTHS OF JUNE AND JULY WHEN SCHOOLS ARE NOT IN SESSION.
6. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND STANDARD SIGNS ALONG THE DETOUR ROUTE SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
7. ALL ROAD/STREET NAME SIGNS SHALL BE MIXED CASE BLACK FONT WITH A MINIMUM 6" MINIMUM TEXT HEIGHT ON ORANGE REFLECTIVE BACKGROUND (TYP).

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USER NAME = ken.moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 800.00' / in.	DRAWN - KLM	REVISED -
PLOT DATE = 4/28/2021	CHECKED - BMC	REVISED -
	DATE - 2/09/2021	REVISED -

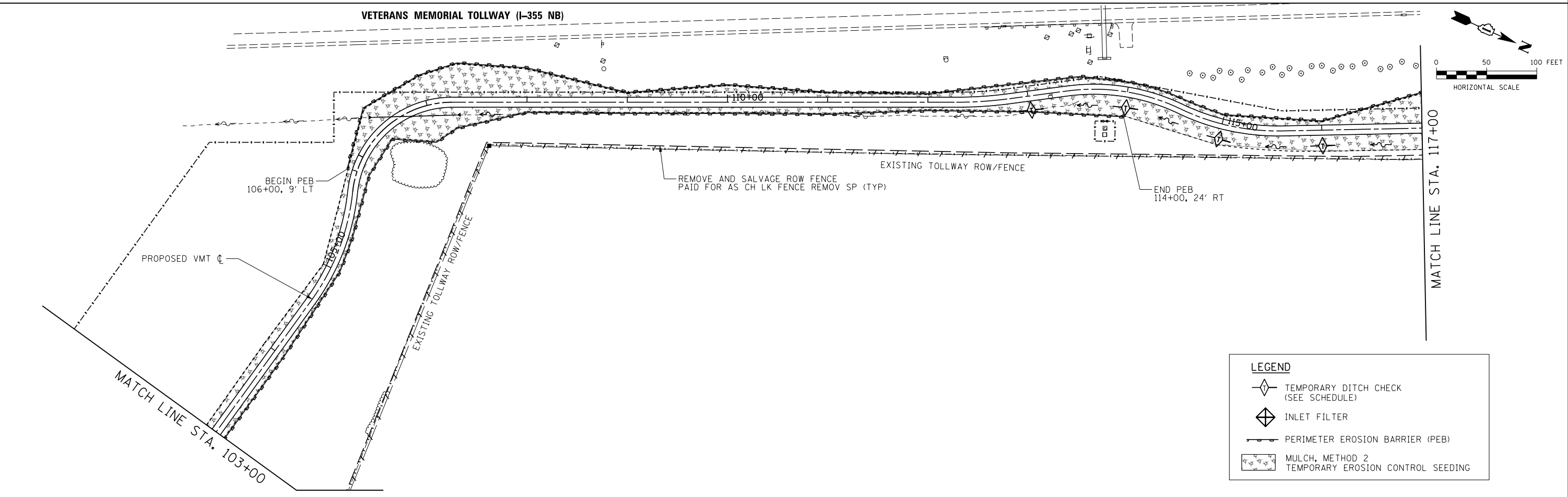
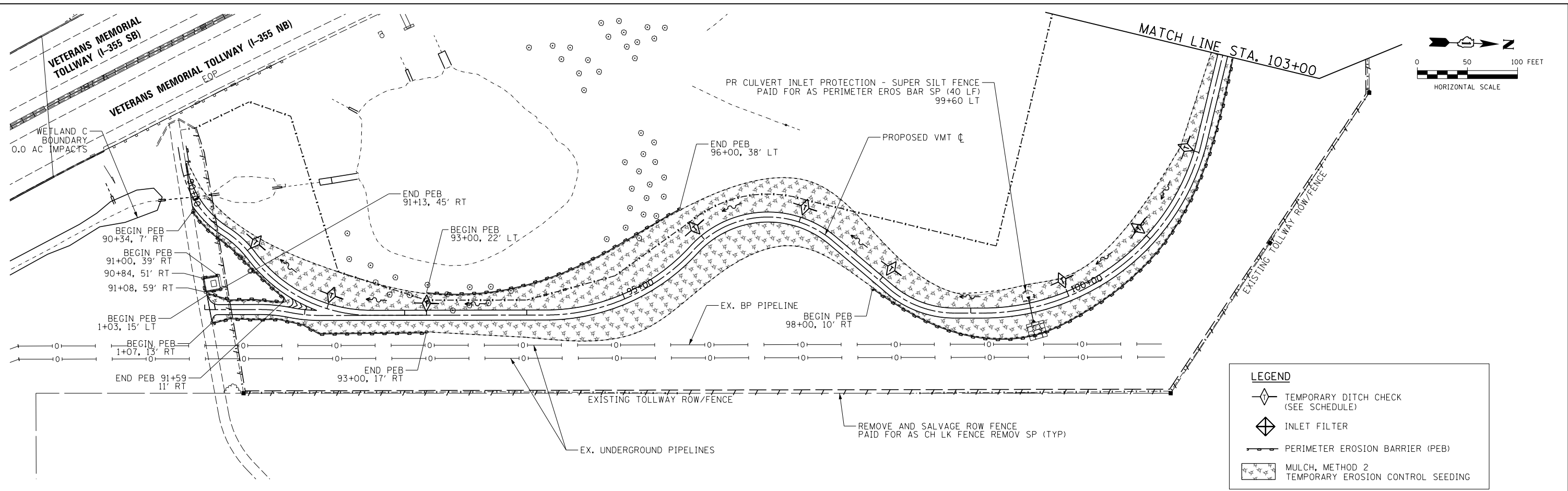
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
MAINTENANCE OF TRAFFIC 167th STREET  
TRUCK AND CAR DETOUR PLAN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	75
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\aecom-na-pw-bentl\gfa\m\CD\LD520\_NA\_2019\Documents\25369593-Forrest\_Preserve-District\900-CAD\_GIS\910-CAD\_W\IFPD\_25369593\_VeteransTrail\Landscaping\_Temp\_EROS-01.dgn



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

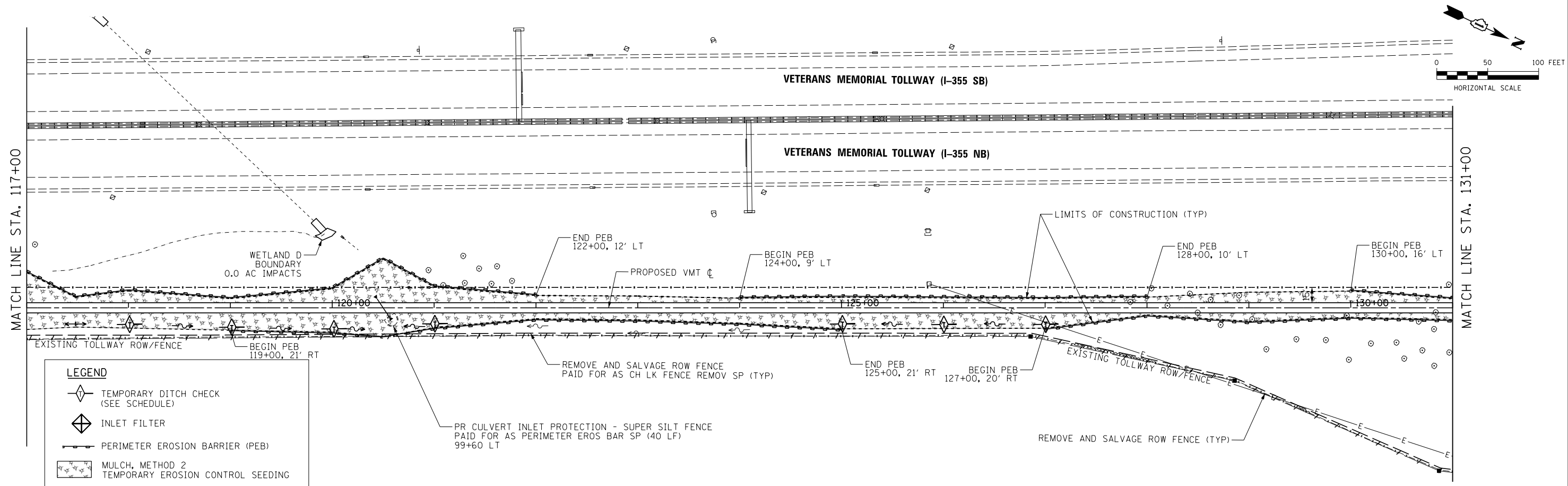
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
TEMPORARY EROSION CONTROL PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	76
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

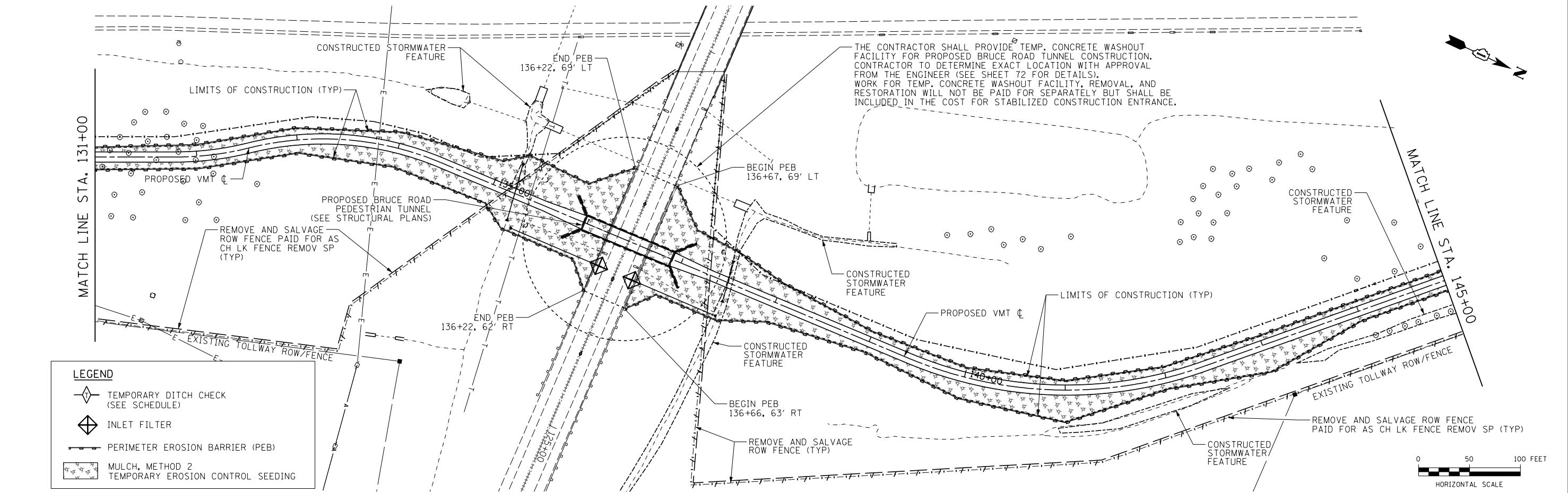
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**LEGEND**

- TEMPORARY DITCH CHECK (SEE SCHEDULE)
- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- MULCH, METHOD 2  
TEMPORARY EROSION CONTROL SEEDING



**LEGEND**

- TEMPORARY DITCH CHECK (SEE SCHEDULE)
- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- MULCH, METHOD 2  
TEMPORARY EROSION CONTROL SEEDING

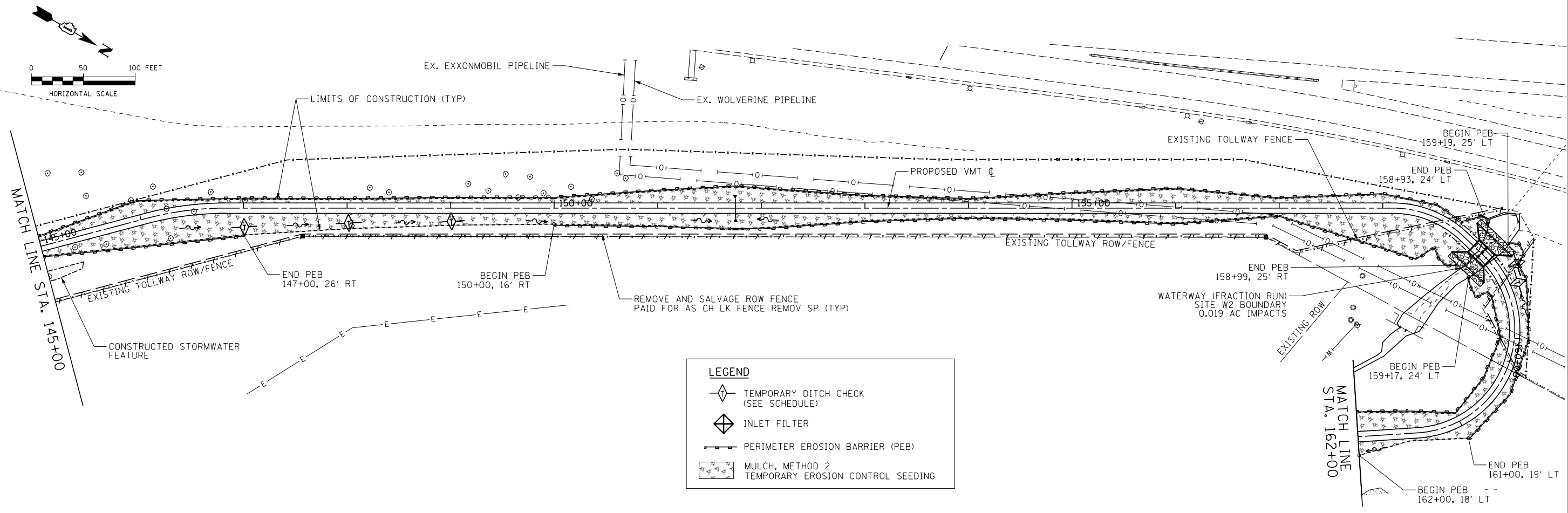
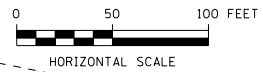
THE CONTRACTOR SHALL PROVIDE TEMP. CONCRETE WASHOUT FACILITY FOR PROPOSED BRUCE ROAD TUNNEL CONSTRUCTION. CONTRACTOR TO DETERMINE EXACT LOCATION WITH APPROVAL FROM THE ENGINEER (SEE SHEET 72 FOR DETAILS). WORK FOR TEMP. CONCRETE WASHOUT FACILITY, REMOVAL, AND RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STABILIZED CONSTRUCTION ENTRANCE.



USER NAME = ken.moy	DESIGNED - JN	REvised -
	DRAWN - JN	REvised -
PLOT SCALE = 100.0000' / 1" =	CHECKED - KLM	REvised -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REvised -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

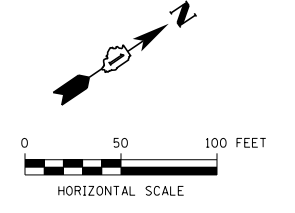
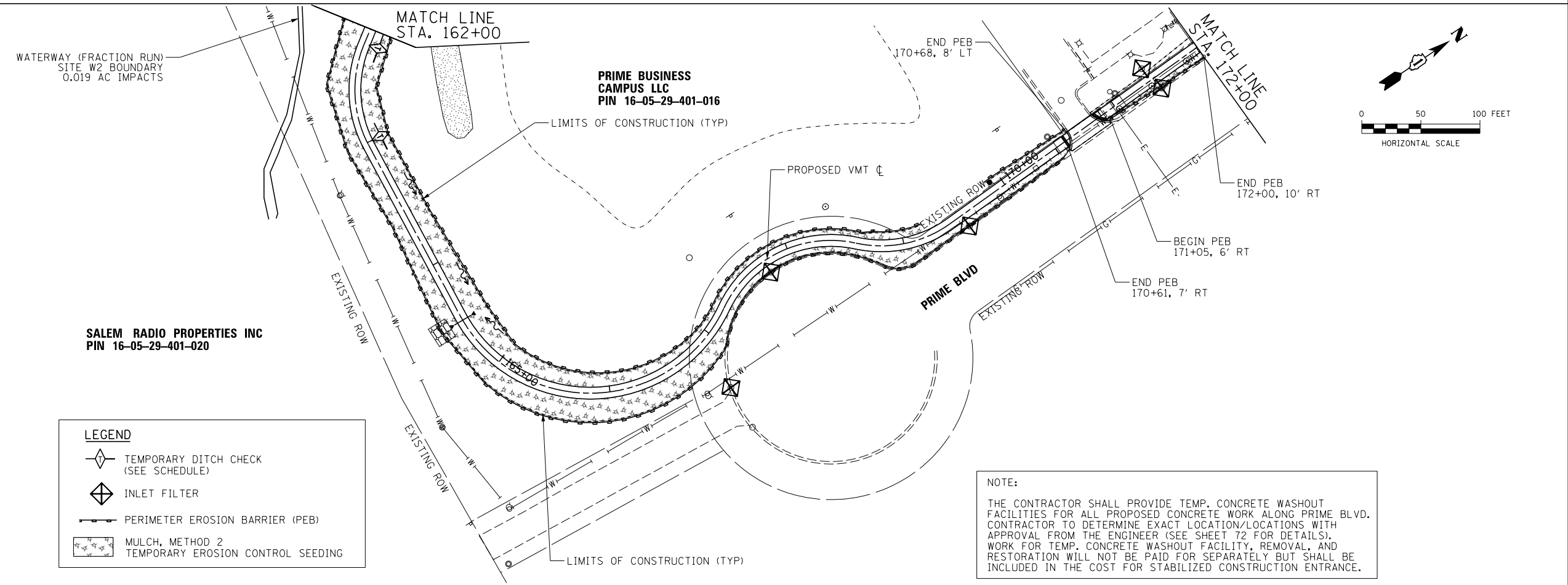
SCALE: 1"=50'	SHEET 2 OF 7 SHEETS	STA. TO STA.	<b>VETERANS MEMORIAL TRAIL</b>		F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			<b>TEMPORARY EROSION CONTROL PLAN</b>			11-F3001-01-BT	WILL	234	77
					CONTRACT NO. 61G74				
					ILLINOIS FED. AID PROJECT				



**LEGEND**

- TEMPORARY DITCH CHECK (SEE SCHEDULE)
- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- MULCH, METHOD 2  
TEMPORARY EROSION CONTROL SEEDING

FILE NAME = p:\aecom-no-pw-bentl\edf\m\CDN\CDN.DS20\_NA\_2019\Documents\25369593-Forest-Reserve-District\900-CAD\GIS\10-CAD\WillFPD\_25369593\_VeteransTrail\Ph2-Drawings\Landscaping\Temp\EROS-03.dgn



**LEGEND**

- TEMPORARY DITCH CHECK (SEE SCHEDULE)
- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- MULCH, METHOD 2  
TEMPORARY EROSION CONTROL SEEDING

**NOTE:**  
THE CONTRACTOR SHALL PROVIDE TEMP. CONCRETE WASHOUT FACILITIES FOR ALL PROPOSED CONCRETE WORK ALONG PRIME BLVD. CONTRACTOR TO DETERMINE EXACT LOCATION/LOCATIONS WITH APPROVAL FROM THE ENGINEER (SEE SHEET 72 FOR DETAILS). WORK FOR TEMP. CONCRETE WASHOUT FACILITY, REMOVAL, AND RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STABILIZED CONSTRUCTION ENTRANCE.



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>VETERANS MEMORIAL TRAIL TEMPORARY EROSION CONTROL PLAN</b>	
SCALE: 1"=50'	SHEET 3 OF 7 SHEETS STA. TO STA.

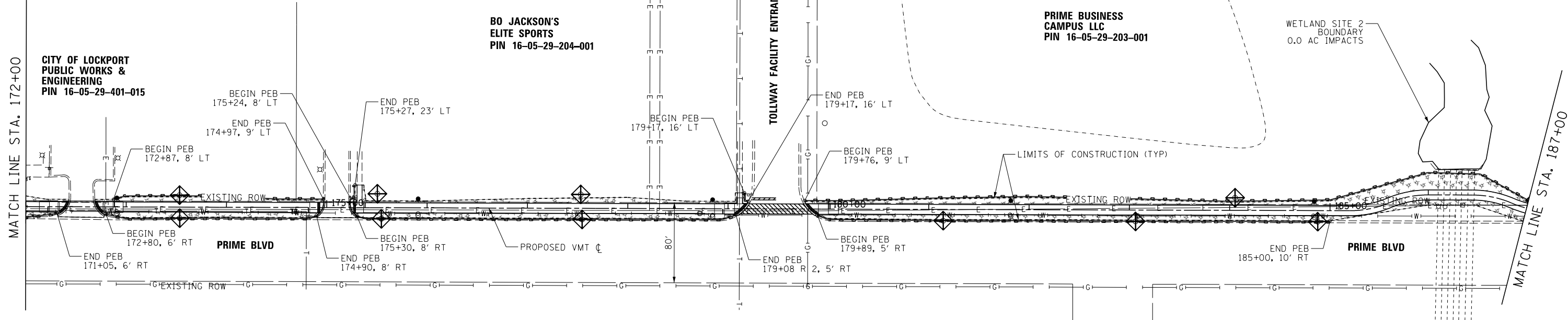
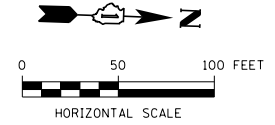
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	78
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- TEMPORARY DITCH CHECK (SEE SCHEDULE)
- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING

**NOTE:**

THE CONTRACTOR SHALL PROVIDE TEMP. CONCRETE WASHOUT FACILITIES FOR ALL PROPOSED CONCRETE WORK ALONG PRIME BLVD. CONTRACTOR TO DETERMINE EXACT LOCATION/LOCATIONS WITH APPROVAL FROM THE ENGINEER (SEE SHEET 72 FOR DETAILS). WORK FOR TEMP. CONCRETE WASHOUT FACILITY, REMOVAL, AND RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STABILIZED CONSTRUCTION ENTRANCE.

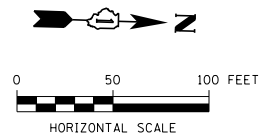
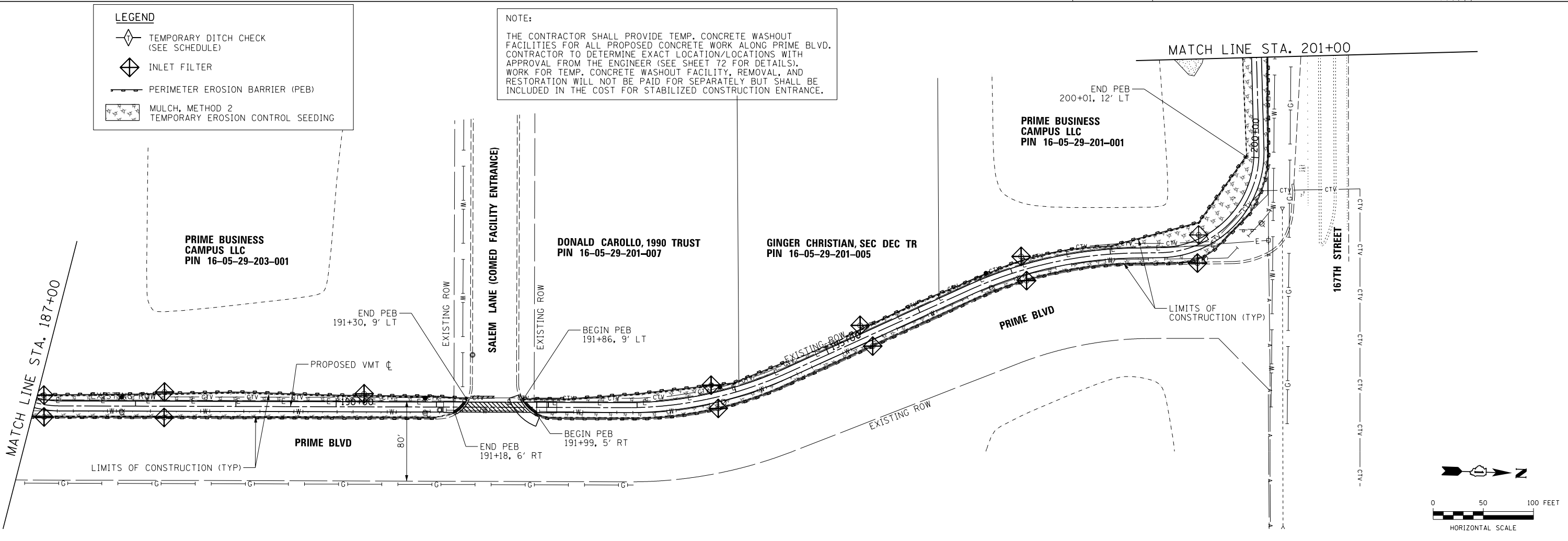


**LEGEND**

- TEMPORARY DITCH CHECK (SEE SCHEDULE)
- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING

**NOTE:**

THE CONTRACTOR SHALL PROVIDE TEMP. CONCRETE WASHOUT FACILITIES FOR ALL PROPOSED CONCRETE WORK ALONG PRIME BLVD. CONTRACTOR TO DETERMINE EXACT LOCATION/LOCATIONS WITH APPROVAL FROM THE ENGINEER (SEE SHEET 72 FOR DETAILS). WORK FOR TEMP. CONCRETE WASHOUT FACILITY, REMOVAL, AND RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STABILIZED CONSTRUCTION ENTRANCE.



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
TEMPORARY EROSION CONTROL PLAN**

SCALE: 1"=50'

SHEET 4 OF 7 SHEETS STA. TO STA.

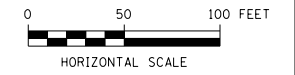
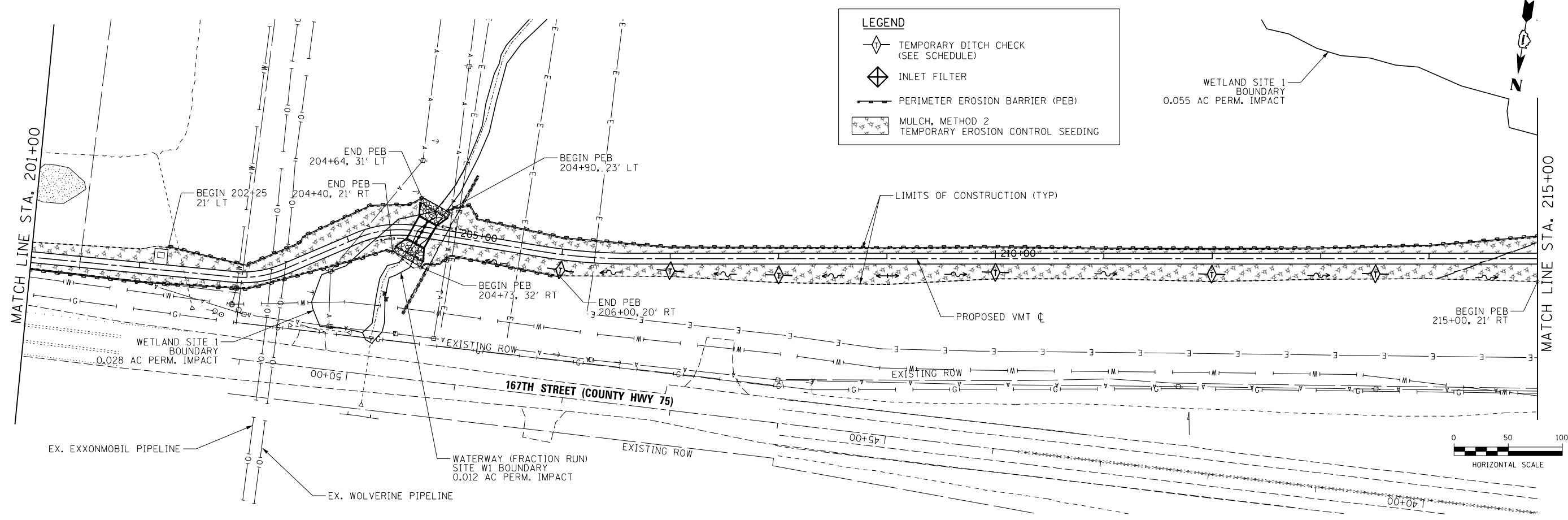
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	79
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\a\escom-na-pw-bentl\egf\m\AECOM\DL529\_NA\_2019\Documents\25369593-Forest\_Preserve-District\900-CAD\_GIS\10-CAD\_W\IFPD\_25369593\_VeteransTrail\Ph2-Drawings\Landscaping\Temp EROS-04.dgn

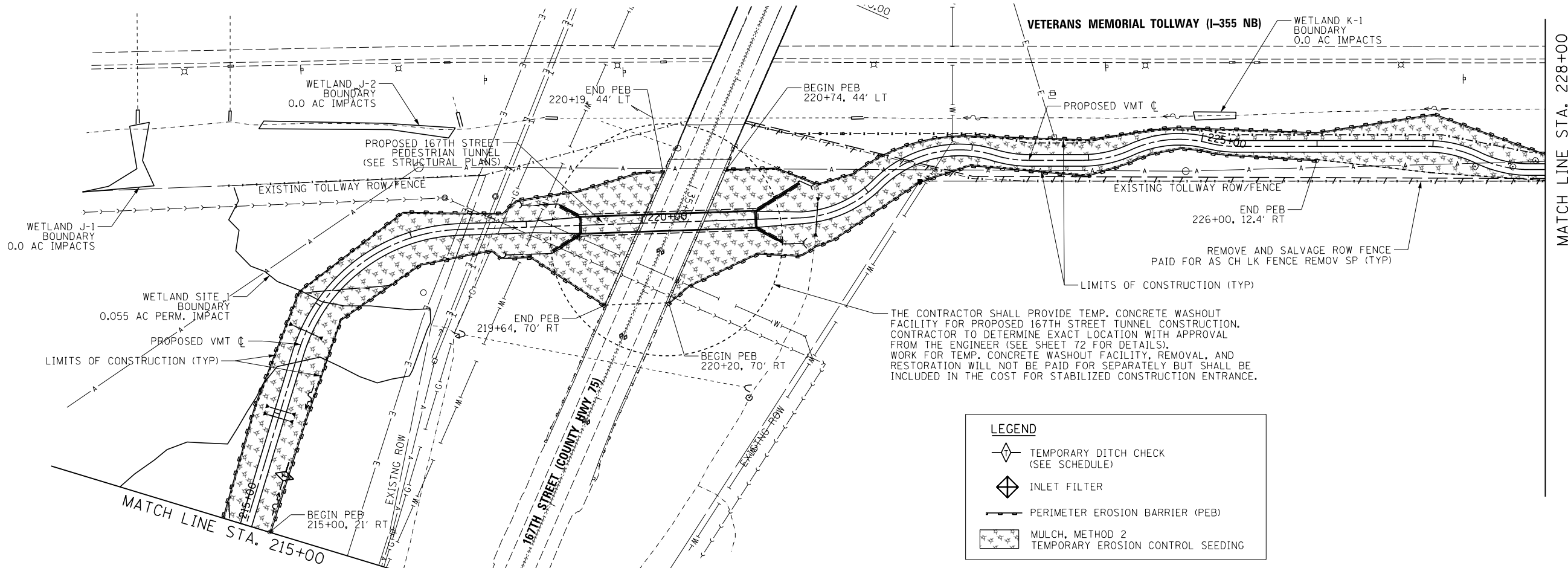
**LEGEND**

- TEMPORARY DITCH CHECK (SEE SCHEDULE)
- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING

WETLAND SITE 1 BOUNDARY  
0.055 AC PERM. IMPACT



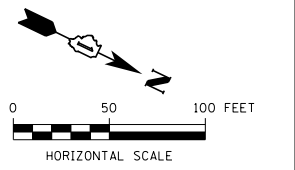
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THE CONTRACTOR SHALL PROVIDE TEMP. CONCRETE WASHOUT FACILITY FOR PROPOSED 167TH STREET TUNNEL CONSTRUCTION. CONTRACTOR TO DETERMINE EXACT LOCATION WITH APPROVAL FROM THE ENGINEER (SEE SHEET 72 FOR DETAILS). WORK FOR TEMP. CONCRETE WASHOUT FACILITY, REMOVAL, AND RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STABILIZED CONSTRUCTION ENTRANCE.

**LEGEND**

- TEMPORARY DITCH CHECK (SEE SCHEDULE)
- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING



USER NAME = ken.moy	DESIGNED - JN	REVISD -
PLOT SCALE = 100.0000' / 1" =	DRAWN - JN	REVISD -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISD -
	DATE - 2/09/2021	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

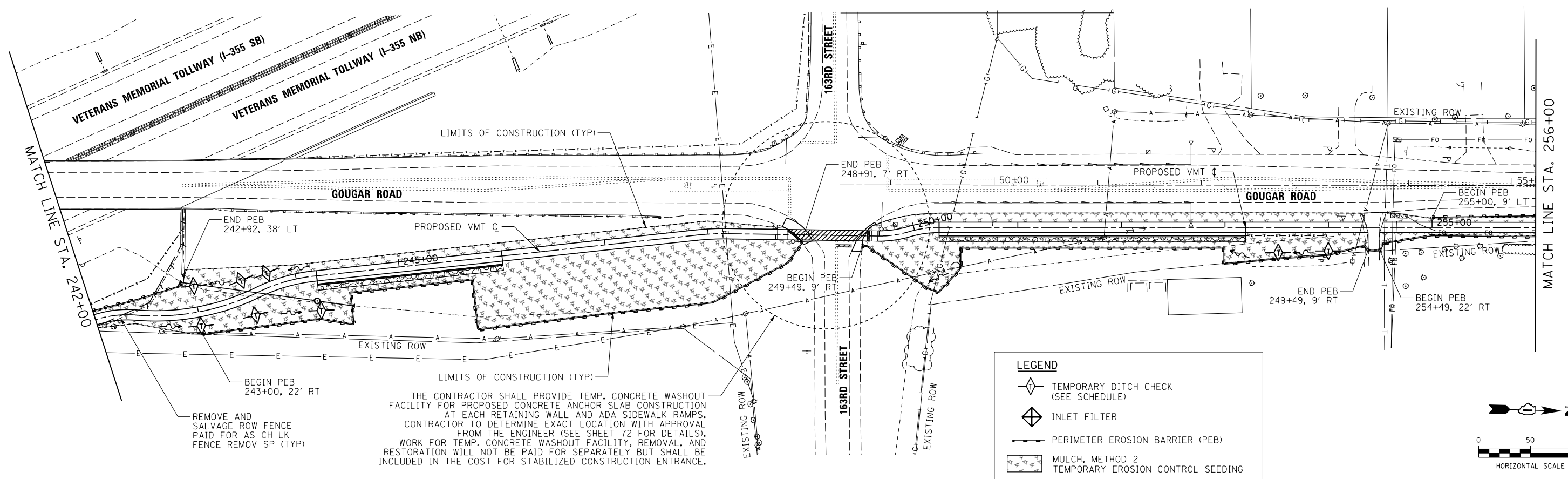
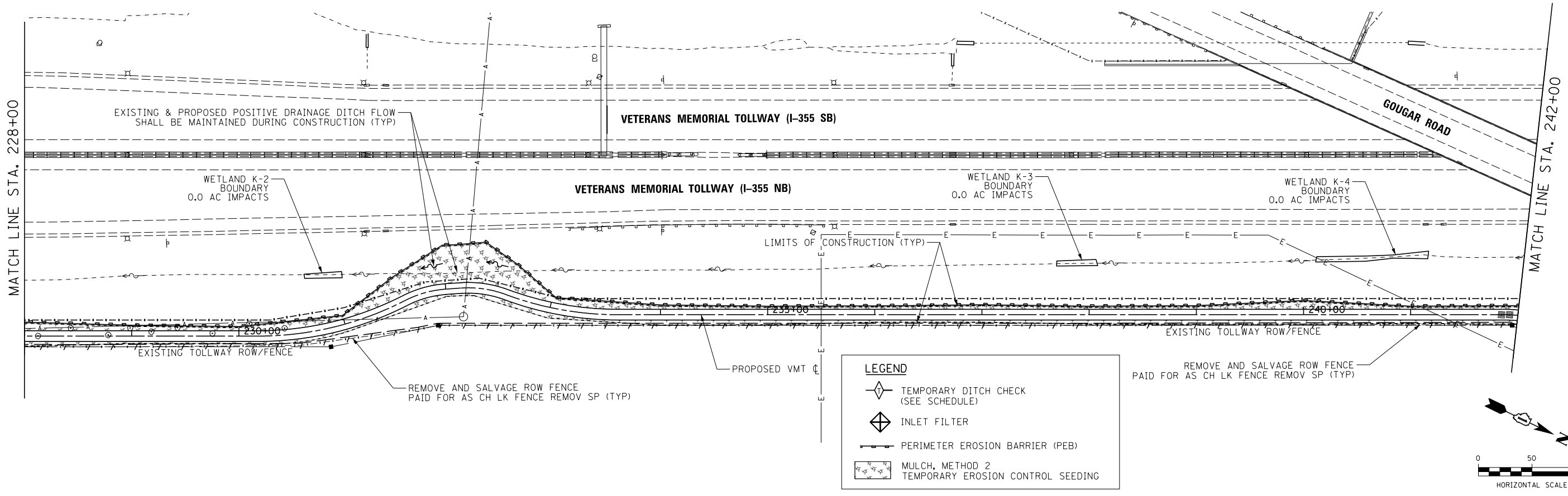
**VETERANS MEMORIAL TRAIL  
TEMPORARY EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	80
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



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THE CONTRACTOR SHALL PROVIDE TEMP. CONCRETE WASHOUT FACILITY FOR PROPOSED CONCRETE ANCHOR SLAB CONSTRUCTION AT EACH RETAINING WALL AND ADA SIDEWALK RAMPS. CONTRACTOR TO DETERMINE EXACT LOCATION WITH APPROVAL FROM THE ENGINEER (SEE SHEET 72 FOR DETAILS). WORK FOR TEMP. CONCRETE WASHOUT FACILITY, REMOVAL, AND RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STABILIZED CONSTRUCTION ENTRANCE.



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1".	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

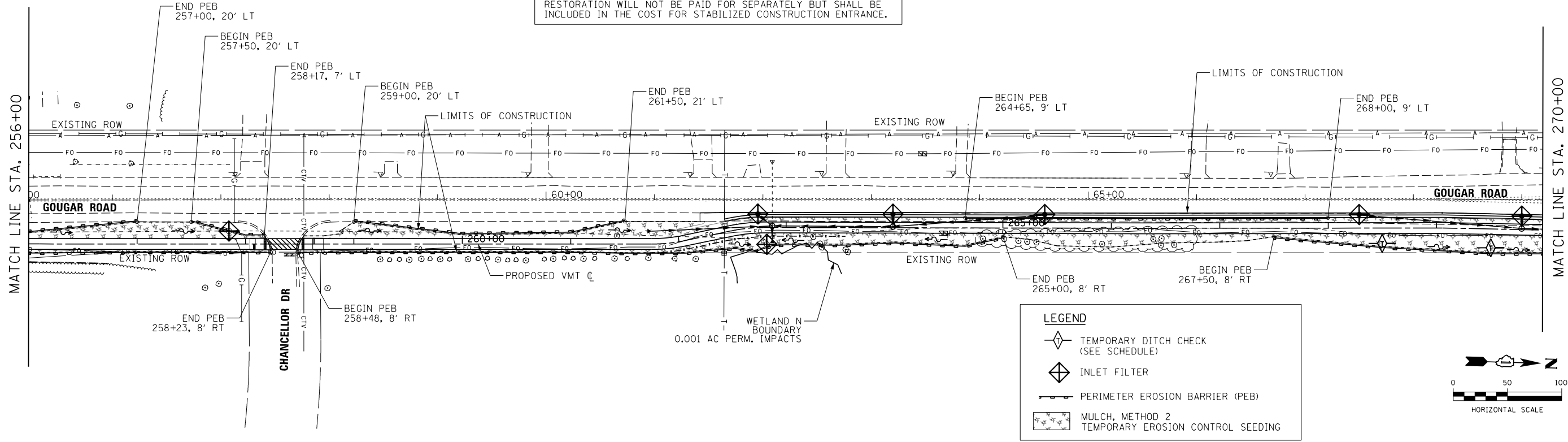
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
TEMPORARY EROSION CONTROL PLAN**

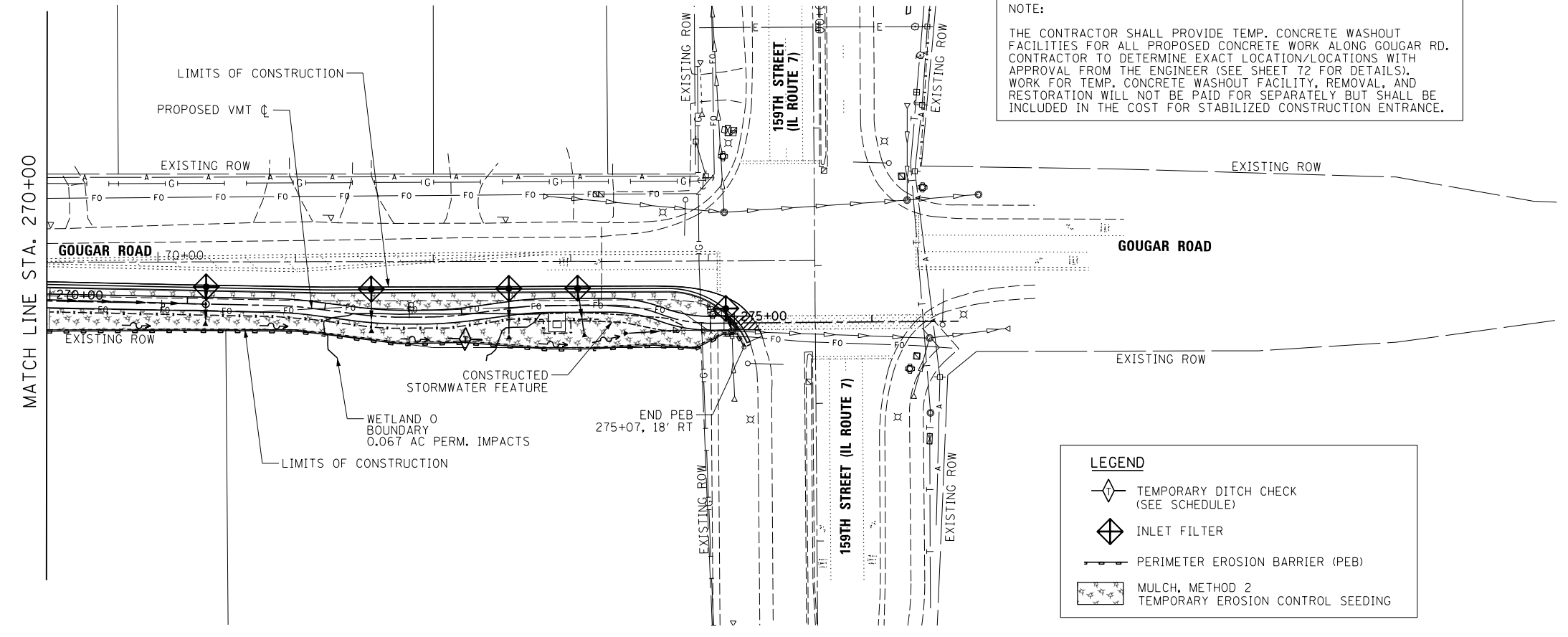
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	81
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. TO STA.

NOTE:  
 THE CONTRACTOR SHALL PROVIDE TEMP. CONCRETE WASHOUT FACILITIES FOR ALL PROPOSED CONCRETE WORK ALONG GOUGAR RD. CONTRACTOR TO DETERMINE EXACT LOCATION/LOCATIONS WITH APPROVAL FROM THE ENGINEER (SEE SHEET 72 FOR DETAILS). WORK FOR TEMP. CONCRETE WASHOUT FACILITY, REMOVAL, AND RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STABILIZED CONSTRUCTION ENTRANCE.



NOTE:  
 THE CONTRACTOR SHALL PROVIDE TEMP. CONCRETE WASHOUT FACILITIES FOR ALL PROPOSED CONCRETE WORK ALONG GOUGAR RD. CONTRACTOR TO DETERMINE EXACT LOCATION/LOCATIONS WITH APPROVAL FROM THE ENGINEER (SEE SHEET 72 FOR DETAILS). WORK FOR TEMP. CONCRETE WASHOUT FACILITY, REMOVAL, AND RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STABILIZED CONSTRUCTION ENTRANCE.



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USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

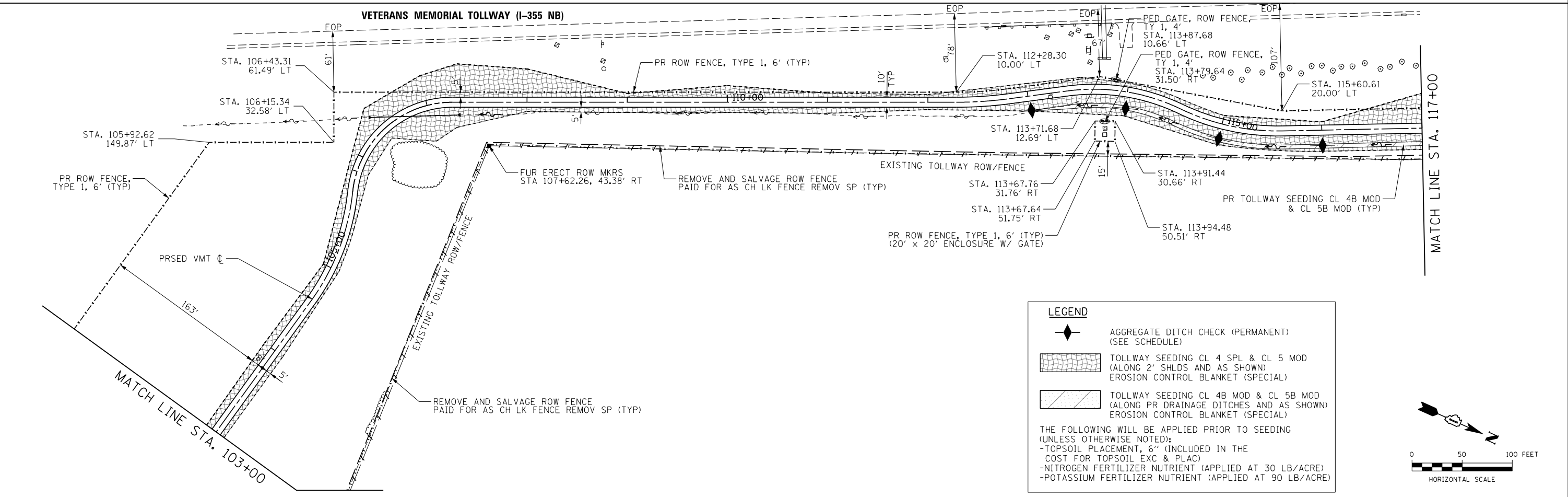
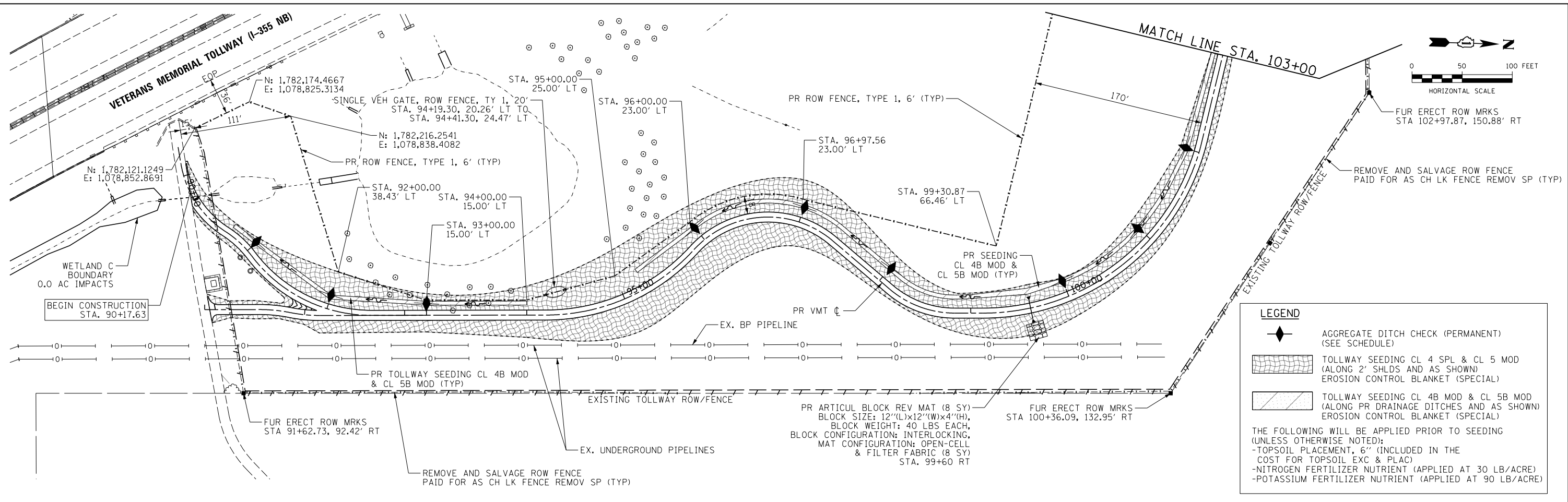
VETERANS MEMORIAL TRAIL  
 TEMPORARY EROSION CONTROL PLAN

SCALE: 1"=50'

SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	82
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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 303 East Wacker Drive, Suite 1400, Chicago, IL 60601  
 T 1-312-373-7700 F 1-312-373-6800



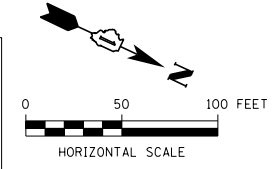
USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 PERMANENT EROSION CONTROL AND LANDSCAPE PLAN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	83
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

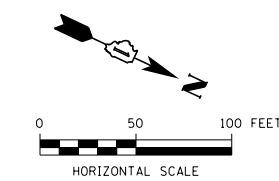
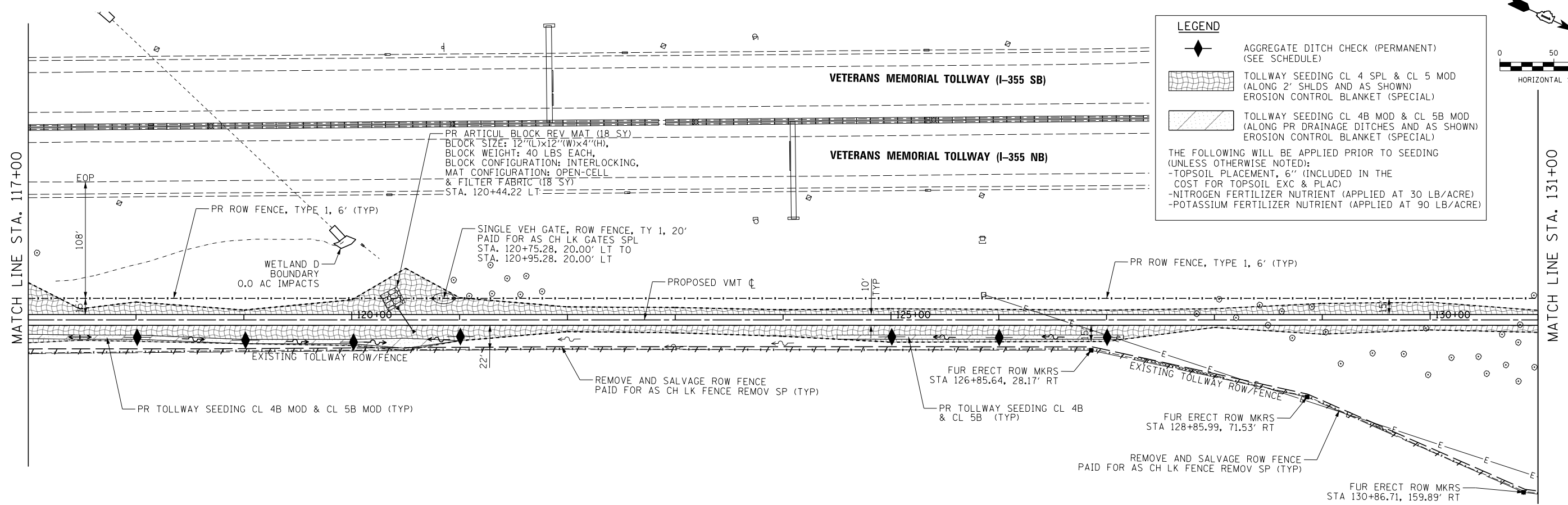


**LEGEND**

- ◆ AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- ▨ TOLLWAY SEEDING CL 4 SPL & CL 5 MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- ▨ TOLLWAY SEEDING CL 4B MOD & CL 5B MOD (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 30 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)

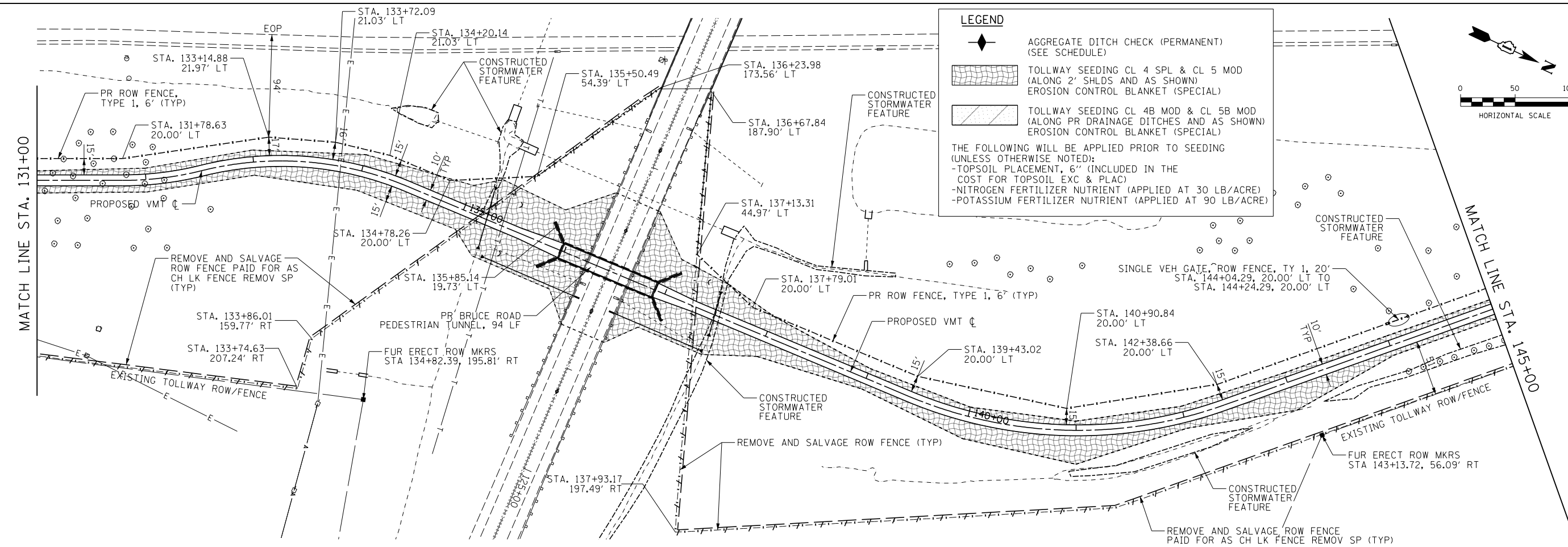


**LEGEND**

- ◆ AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- ▨ TOLLWAY SEEDING CL 4 SPL & CL 5 MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- ▨ TOLLWAY SEEDING CL 4B MOD & CL 5B MOD (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 30 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)



USER NAME = kcmj	DESIGNED - JN	REVISED -
DRAWN - JN	REVISED -	
CHECKED - KLM	REVISED -	
DATE - 2/09/2021	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**VETERANS MEMORIAL TRAIL  
PERMANENT EROSION CONTROL AND LANDSCAPE PLAN**

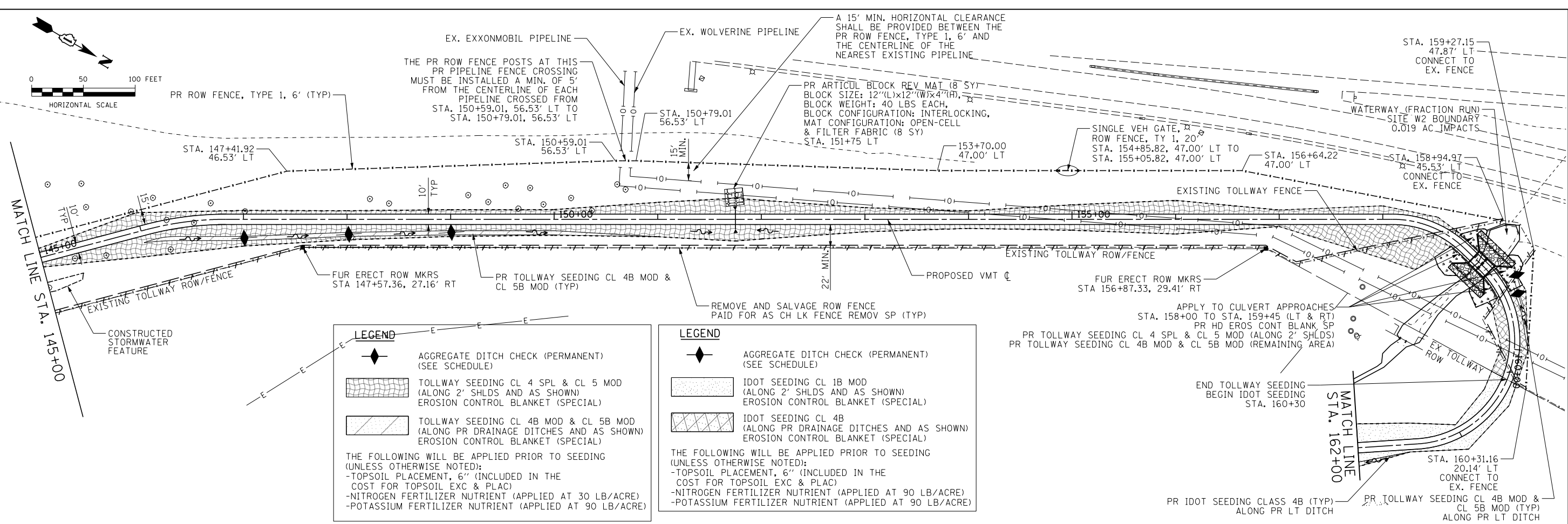
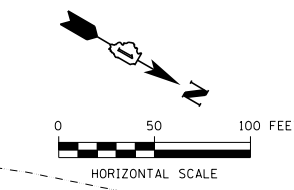
SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	84
CONTRACT NO. 61G74				

ILLINOIS FED. AID PROJECT

FILE NAME = p:\a\escom-na-pw-bentl\gff\p25369593-Forest\_Preserve-District\900-CAD 615\910-CAD-011\FPD\_25369593\_VeteransTrailP2-Drawings\landscape-02.dgn

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**LEGEND**

- AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- TOLLWAY SEEDING CL 4 SPL & CL 5 MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- TOLLWAY SEEDING CL 4B MOD & CL 5B MOD (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

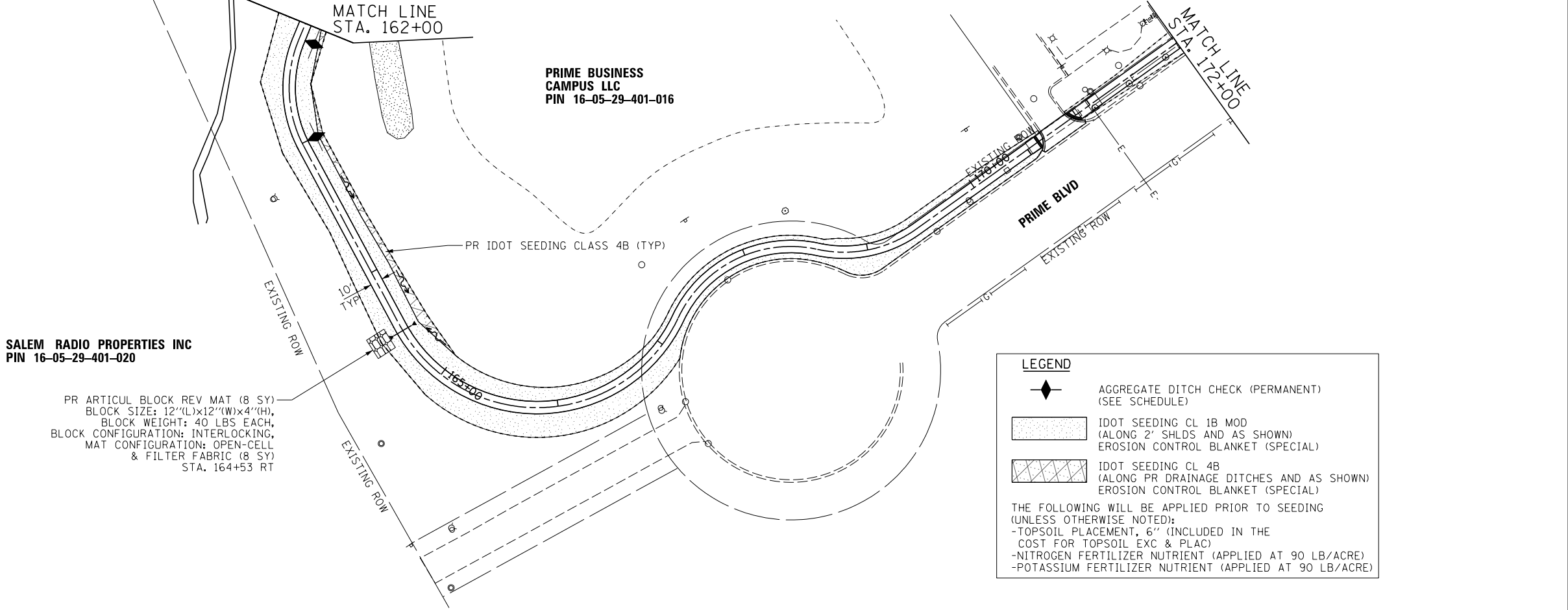
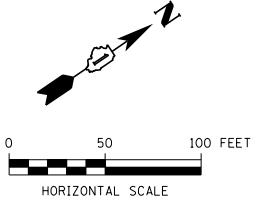
- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 30 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)

**LEGEND**

- AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- IDOT SEEDING CL 1B MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- IDOT SEEDING CL 4B (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)



**SALEM RADIO PROPERTIES INC**  
PIN 16-05-29-401-020

PR ARTICUL BLOCK REV MAT (8 SY)  
BLOCK SIZE: 12"(L)x12"(W)x4"(H),  
BLOCK WEIGHT: 40 LBS EACH,  
BLOCK CONFIGURATION: INTERLOCKING,  
MAT CONFIGURATION: OPEN-CELL  
& FILTER FABRIC (8 SY)  
STA. 164+53 RT

**LEGEND**

- AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- IDOT SEEDING CL 1B MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- IDOT SEEDING CL 4B (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)



USER NAME = ken.moy  
DESIGNED - JN  
DRAWN - JN  
CHECKED - KLM  
PLOT DATE = 2/8/2021

DESIGNED - JN  
DRAWN - JN  
CHECKED - KLM  
DATE - 2/09/2021

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
PERMANENT EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. TO STA.

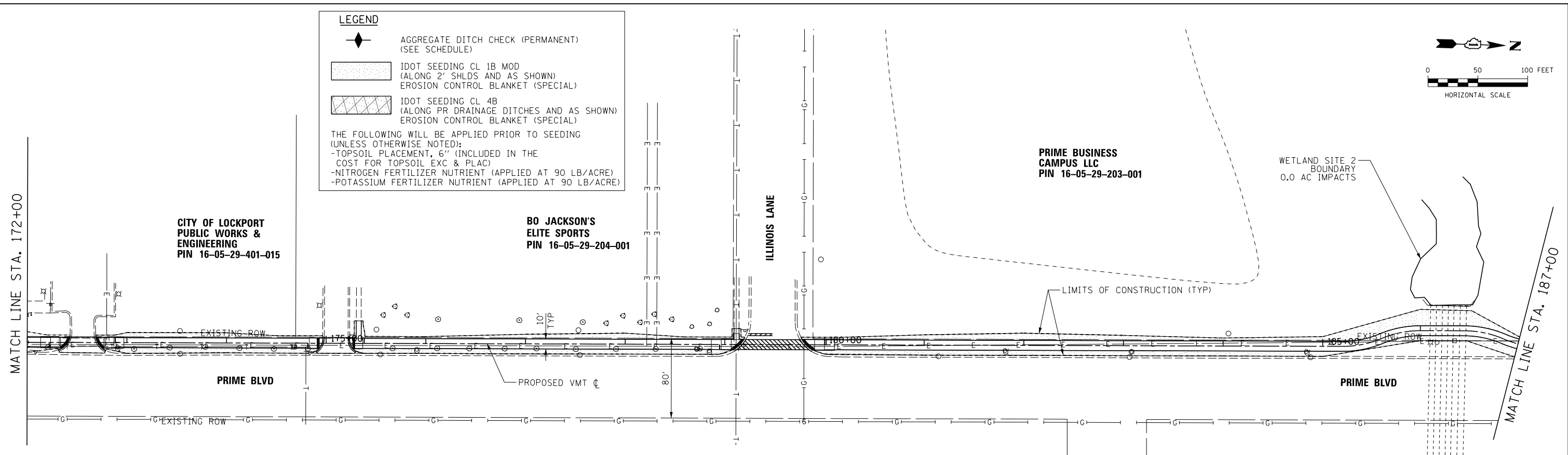
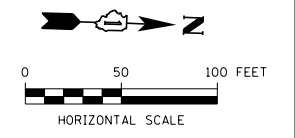
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	85
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- ◆ AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- ▨ IDOT SEEDING CL 1B MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- ▩ IDOT SEEDING CL 4B (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)

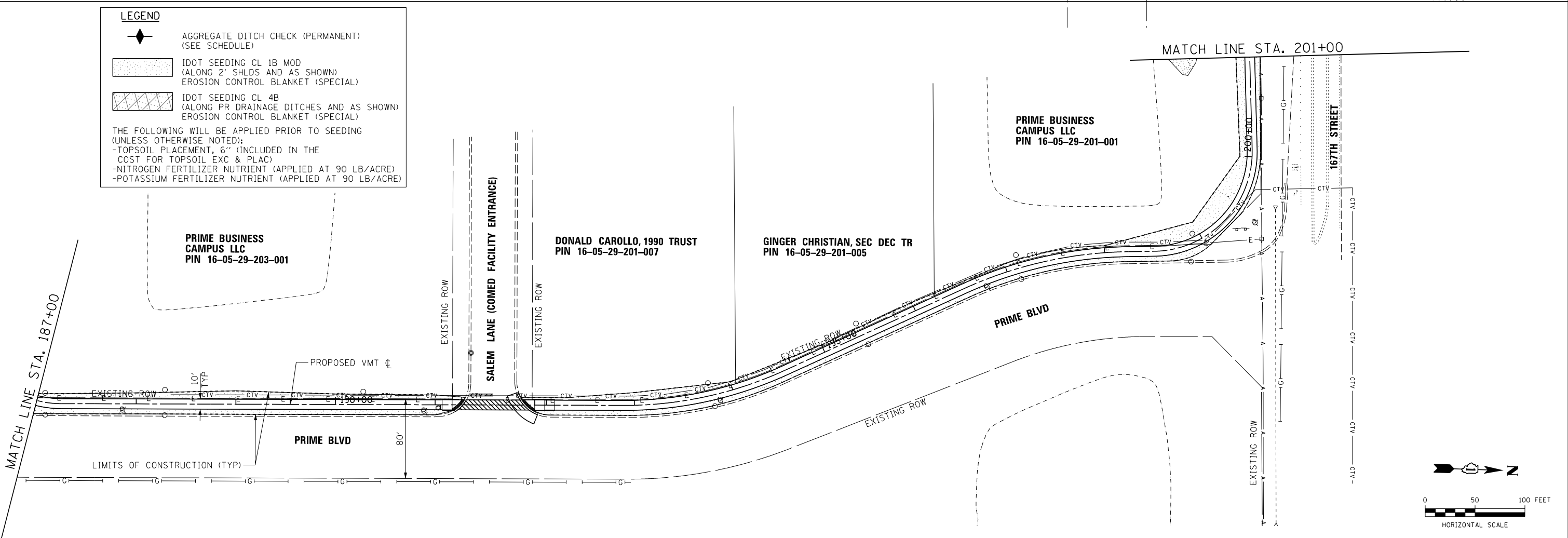
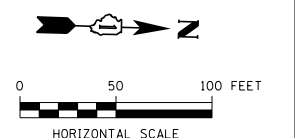


**LEGEND**

- ◆ AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- ▨ IDOT SEEDING CL 1B MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- ▩ IDOT SEEDING CL 4B (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)



FILE NAME = p:\aecom-na-pr-bentl\gpr\m\CDL\DS28\_NA\_2019\Documents\25369593-Forrest-Prserve-District\900-CAD\_GIS\910-CAD\_WillFPD\_25369593\_VeteransTrail\Ph2-Drawings\Landscape\04.dgn



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

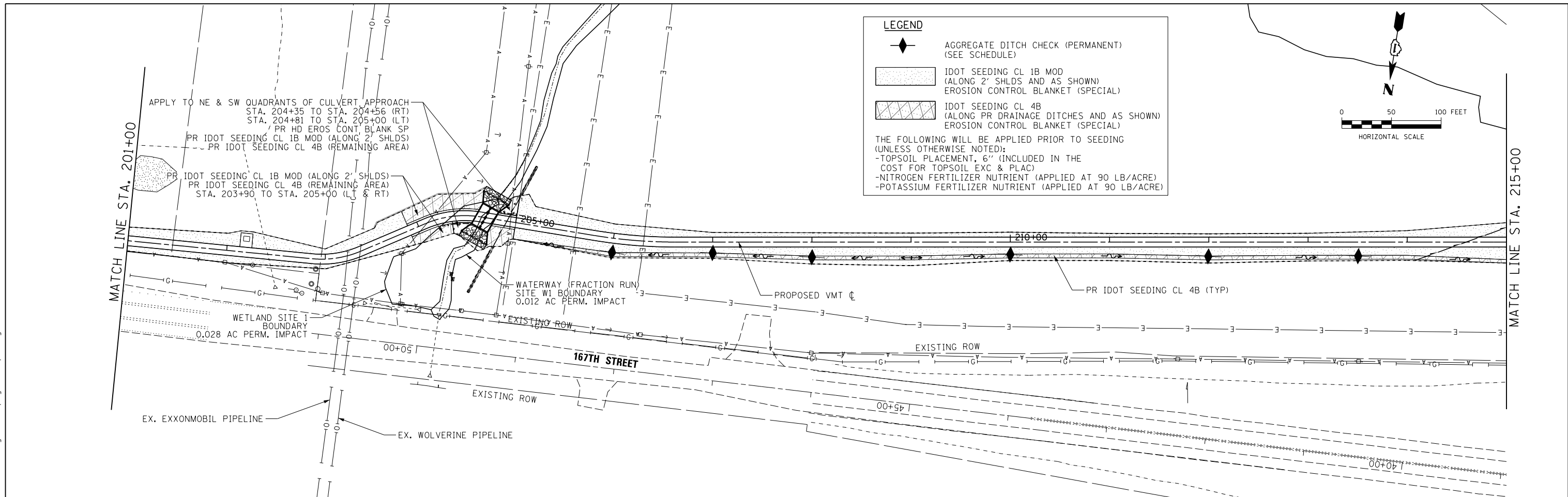
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
PERMANENT EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1"=50'      SHEET 4 OF 7 SHEETS      STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	86
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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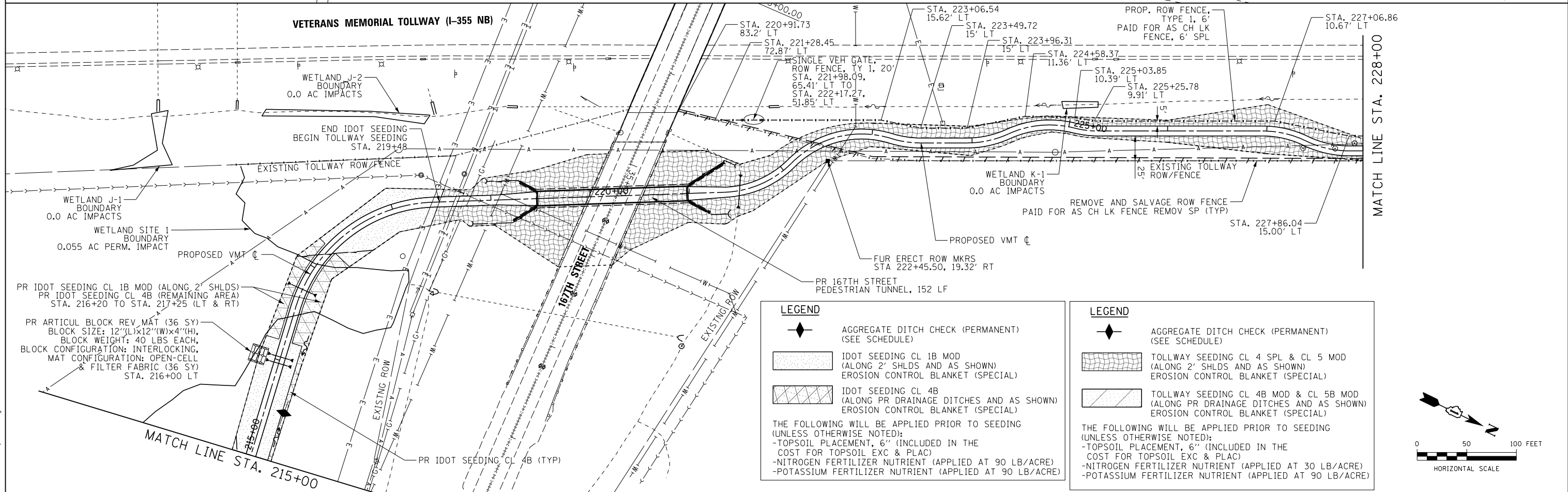
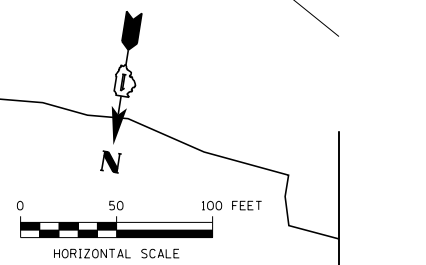


**LEGEND**

- AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- IDOT SEEDING CL 1B MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- IDOT SEEDING CL 4B (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)



**LEGEND**

- AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- TOLLWAY SEEDING CL 4 SPL & CL 5 MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- TOLLWAY SEEDING CL 4B MOD & CL 5B MOD (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

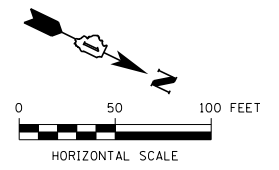
- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)

**LEGEND**

- AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- TOLLWAY SEEDING CL 4 SPL & CL 5 MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- TOLLWAY SEEDING CL 4B MOD & CL 5B MOD (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 30 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)



USER NAME = ken.moy	DESIGNED - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JN	REVISED -
PLOT DATE = 2/8/2021	CHECKED - KLM	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
PERMANENT EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. TO STA.

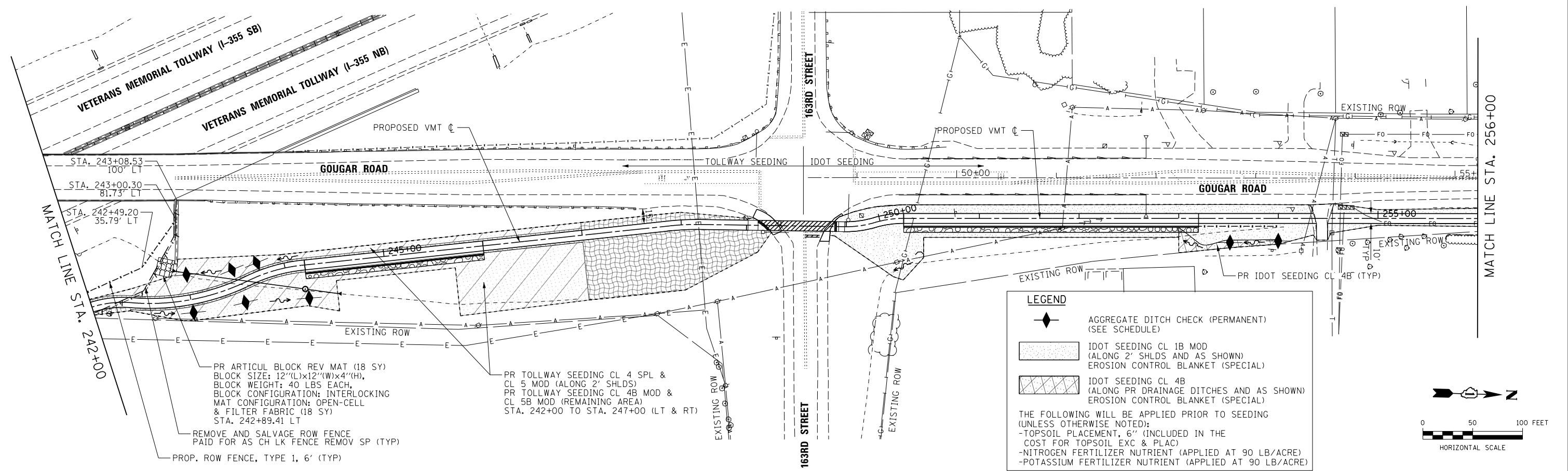
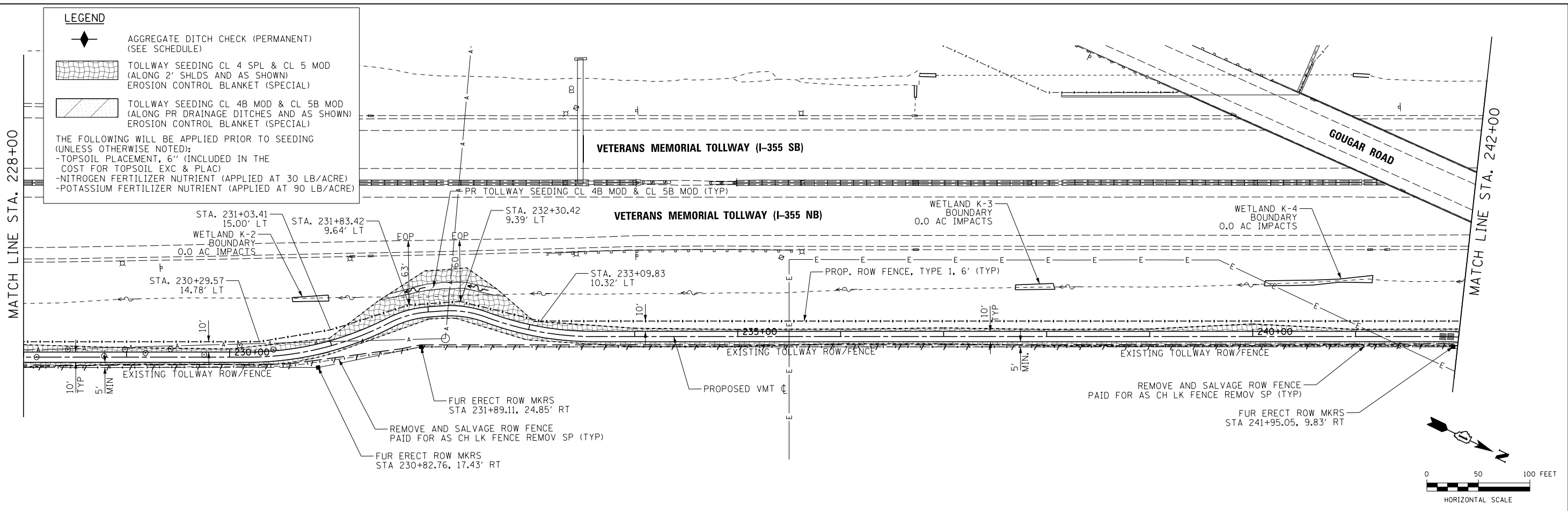
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	87
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- ◆ AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- ▨ TOLLWAY SEEDING CL 4 SPL & CL 5 MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- ▩ TOLLWAY SEEDING CL 4B MOD & CL 5B MOD (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 30 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)



**LEGEND**

- ◆ AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
- ▨ IDOT SEEDING CL 1B MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
- ▩ IDOT SEEDING CL 4B (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

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- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)

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USER NAME = ken.moy	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

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

**VETERANS MEMORIAL TRAIL**  
**PERMANENT EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1"=50'

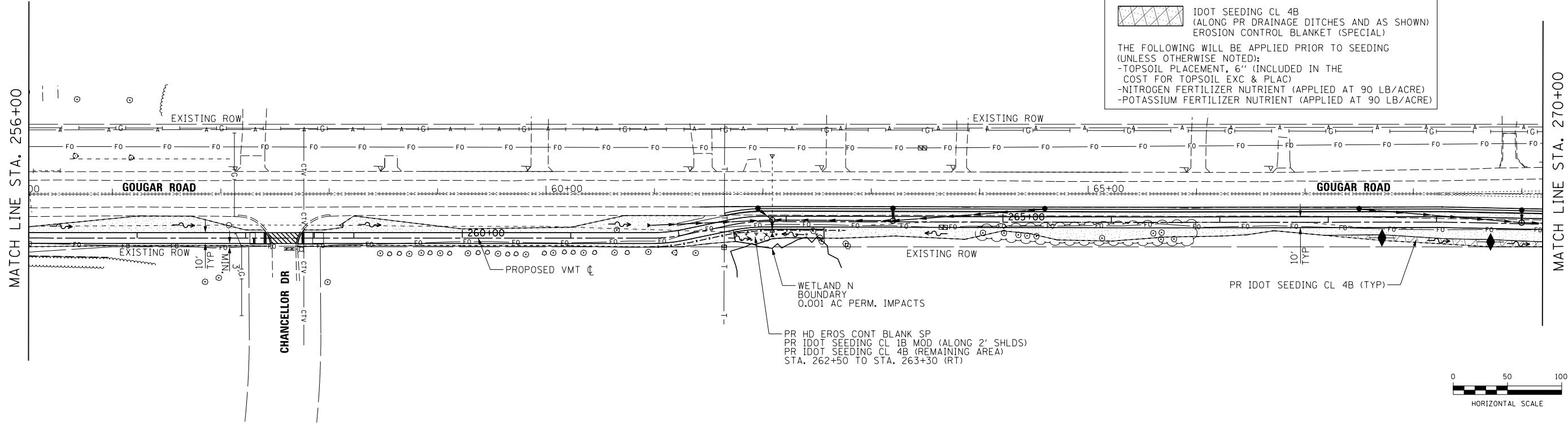
SHEET 6 OF 7 SHEETS

STA. TO STA.



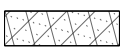
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	88
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



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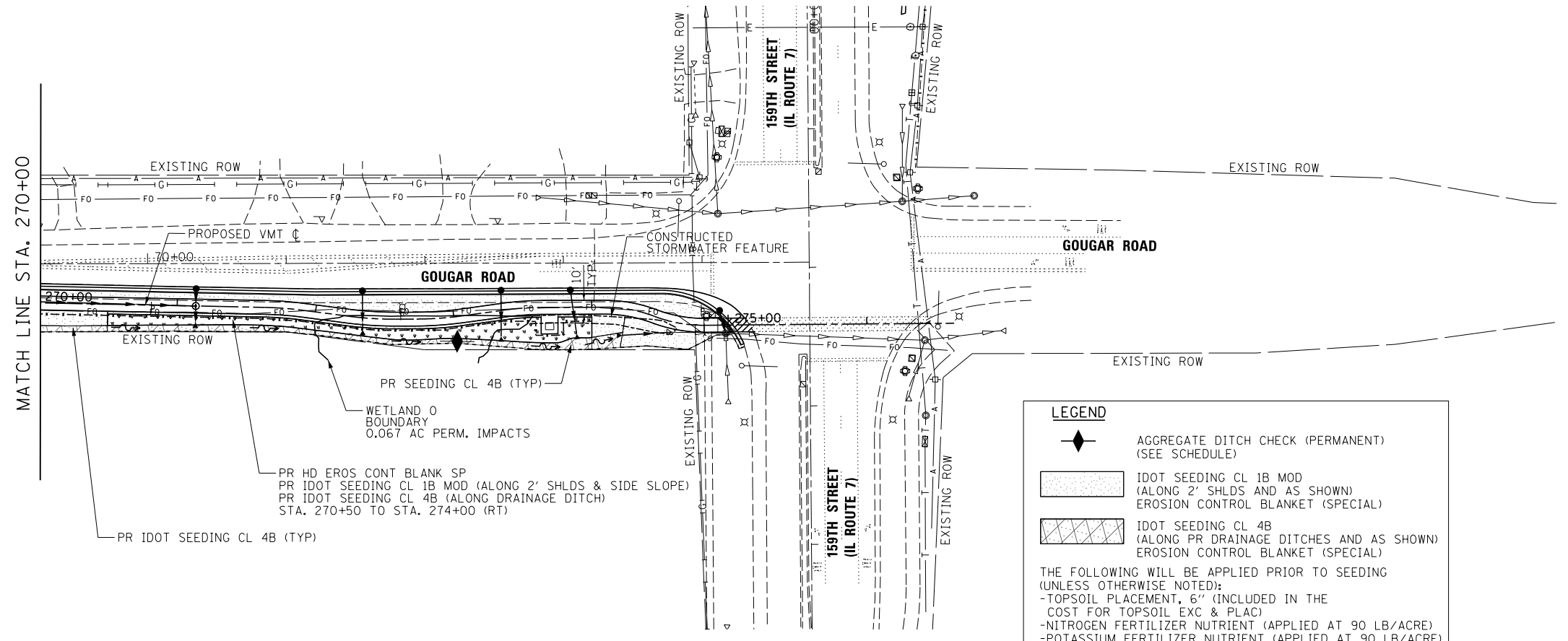
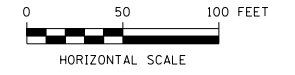


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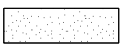
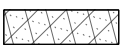
-  AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
-  IDOT SEEDING CL 1B MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
-  IDOT SEEDING CL 4B (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)

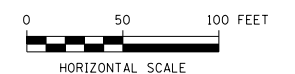
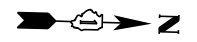


**LEGEND**

-  AGGREGATE DITCH CHECK (PERMANENT) (SEE SCHEDULE)
-  IDOT SEEDING CL 1B MOD (ALONG 2' SHLDS AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)
-  IDOT SEEDING CL 4B (ALONG PR DRAINAGE DITCHES AND AS SHOWN) EROSION CONTROL BLANKET (SPECIAL)

THE FOLLOWING WILL BE APPLIED PRIOR TO SEEDING (UNLESS OTHERWISE NOTED):

- TOPSOIL PLACEMENT, 6" (INCLUDED IN THE COST FOR TOPSOIL EXC & PLAC)
- NITROGEN FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)
- POTASSIUM FERTILIZER NUTRIENT (APPLIED AT 90 LB/ACRE)



USER NAME = ken.moy  
 PLOT SCALE = 100.0000' / 1" = 100'  
 PLOT DATE = 2/8/2021

DESIGNED - JN	REVISED -
DRAWN - JN	REVISED -
CHECKED - KLM	REVISED -
DATE - 2/09/2021	REVISED -

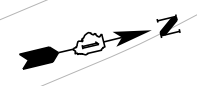
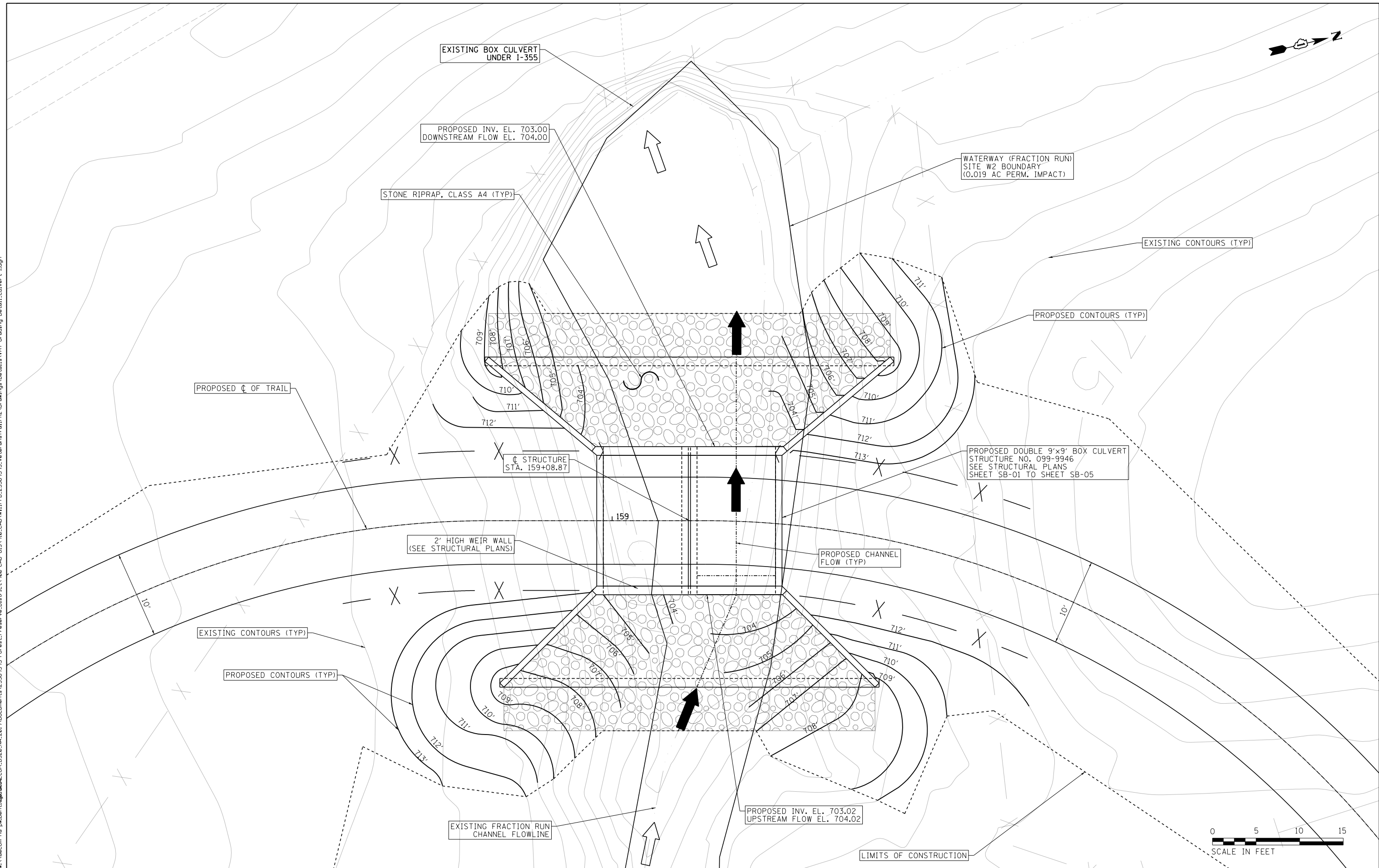
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
 PERMANENT EROSION CONTROL AND LANDSCAPE PLAN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	89
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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	DRAWN - JN	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - KLM	REVISED -
PLOT DATE = 2/8/2021	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
CULVERT 1 GRADING DETAILS SN 099-9946**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	90
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

167TH STREET LOCATED JUST NORTH OF PROPOSED CULVERT

WATERWAY (FRACTION RUN) SITE W1 BOUNDARY (0.012 AC PERM. IMPACT)

EXISTING FRACTION RUN CHANNEL FLOWLINE

EXISTING CONTOURS (TYP)

12" STONE RIPRAP, CLASS A4 (TYP)

LIMITS OF CONSTRUCTION

PROPOSED INV. EL. 711.55 UPSTREAM FLOW EL. 712.55

2' HIGH WEIR WALL (SEE STRUCTURAL PLANS)

PROPOSED PIPE UNDERDRAIN, TYPE 1, 12"

PROPOSED CONTOURS (TYP)

EXISTING CONTOURS (TYP)

PROPOSED C OF TRAIL

PROPOSED CHANNEL FLOW (TYP)

C STRUCTURE STA. 159+08.87

PROPOSED CONTOURS (TYP)

WETLAND SITE 1 BOUNDARY (0.028 AC PERM. IMPACT)

PROPOSED DOUBLE 8'x5' PRECAST BOX CULVERT SEE STRUCTURAL PLANS SHEET SC-01 TO SHEET SC-05

PROPOSED INV. EL. 711.54 DOWNSTREAM FLOW EL. 712.54

LIMITS OF CONSTRUCTION

12" STONE RIPRAP, CLASS A4 (TYP)

EXISTING FRACTION RUN CHANNEL FLOWLINE



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PLOT SCALE = 10.0000' / in.  
PLOT DATE = 2/8/2021

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CHECKED - KLM  
DATE - 2/09/2021

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REVISED -  
REVISED -  
REVISED -

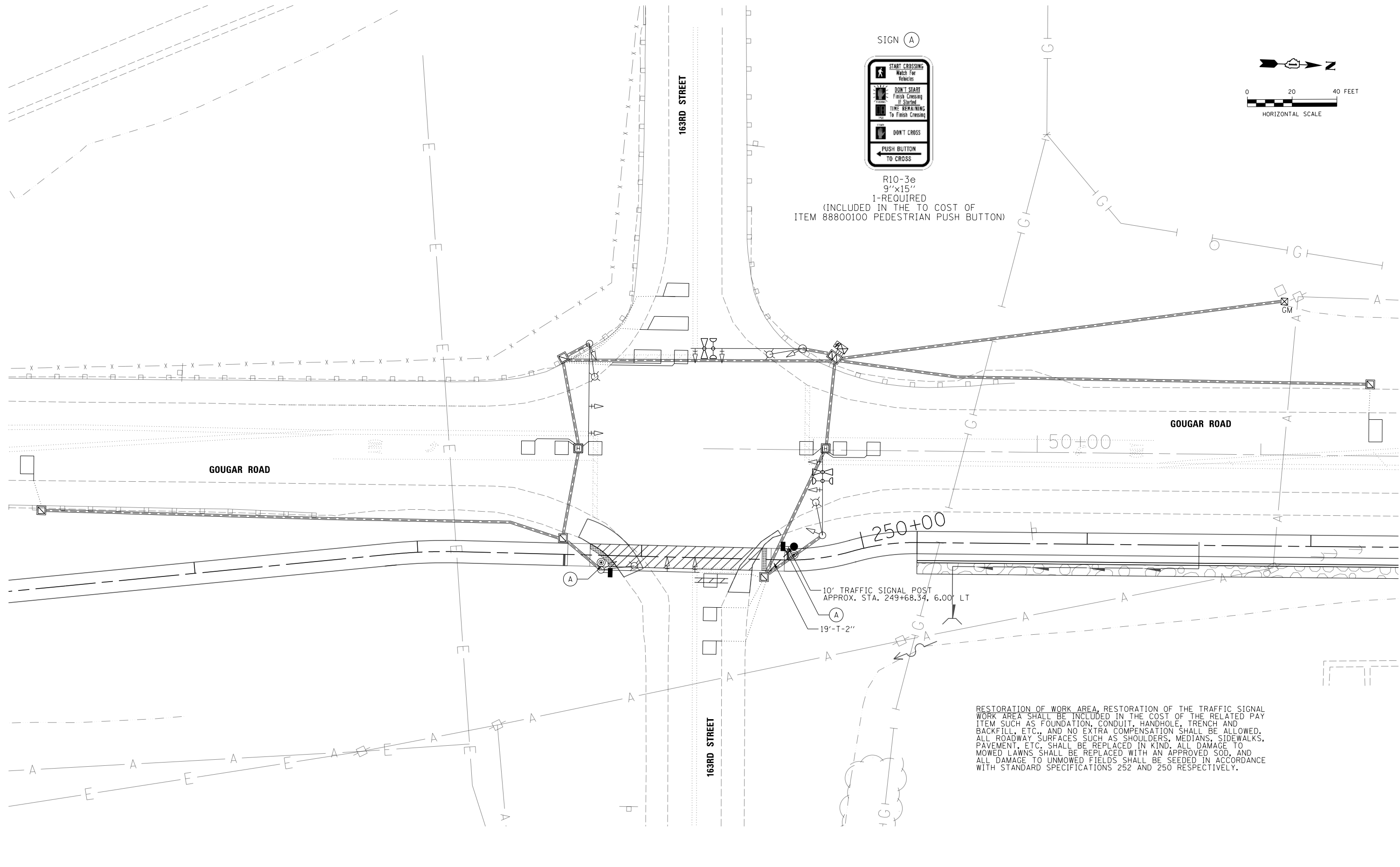
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VETERANS MEMORIAL TRAIL  
CULVERT 2 GRADING DETAILS

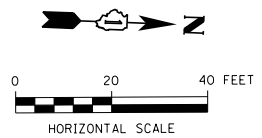
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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R10-3e  
9'x15"  
1-REQUIRED  
(INCLUDED IN THE TO COST OF  
ITEM 88800100 PEDESTRIAN PUSH BUTTON)



RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF 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.



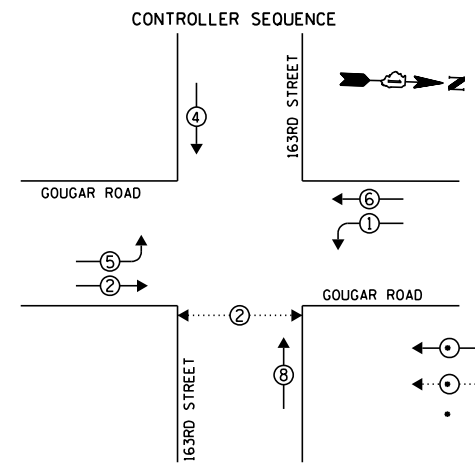
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PLOT DATE = 2/8/2021	CHECKED - MJL	REVISED -
	DATE - 2/09/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VETERANS MEMORIAL TRAIL  
SIGNAL MODIFICATION PLAN: GOUGAR RD & 163RD ST**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	92
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				



**LEGEND**  
 ←○→ DUAL ENTRY PHASE  
 ←○→ PEDESTRIAN PHASE  
 • NUMBER REFERS TO ASSOCIATED PHASE

**PHASE DESIGNATION DIAGRAM**

- NOTES:**
- EXISTING TRAFFIC SIGNALS ARE OWNED AND MAINTAINED BY THE CITY OF LOCKPORT.
  - MAINTAIN EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE.
  - MAINTAIN EXISTING CONTROLLER PHASE SEQUENCE. THE PROPOSED PEDESTRIAN PHASE SHALL BE ASSOCIATED WITH THE NORTHBOUND THROUGH MOVEMENT.
  - THE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE, AS DEPICTED ON THE PLANS, IS INTENDED TO INDICATE THE GENERAL EQUIPMENT INSTALLATIONS INVOLVED AND SHALL NOT BE CONSTRUED AS AN EXACT REPRESENTATION OF THE FIELD CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND ASCERTAIN THE EXACT CONDITION, SIZE, TYPE, QUANTITY, AND LOCATION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT IN THE FIELD. ANY DISCREPANCIES BETWEEN THE ACTUAL EXISTING TRAFFIC SIGNAL EQUIPMENT IN THE FIELD AND THE EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER FOR RESOLUTION. FAILURE TO VERIFY THE CONDITIONS, DIMENSIONS, AND DETAILS OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT TO CONFIRM THAT THE NEW EQUIPMENT IS COMPATIBLE WITH THE EXISTING EQUIPMENT CAN BE PROPERLY INSTALLED AND CONNECTED AS SHOWN ON THE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR PROVIDING SAFE, COMPLETE, AND FULLY FUNCTIONAL TRAFFIC SIGNAL INFRASTRUCTURE.

**SCHEDULE OF QUANTITIES**

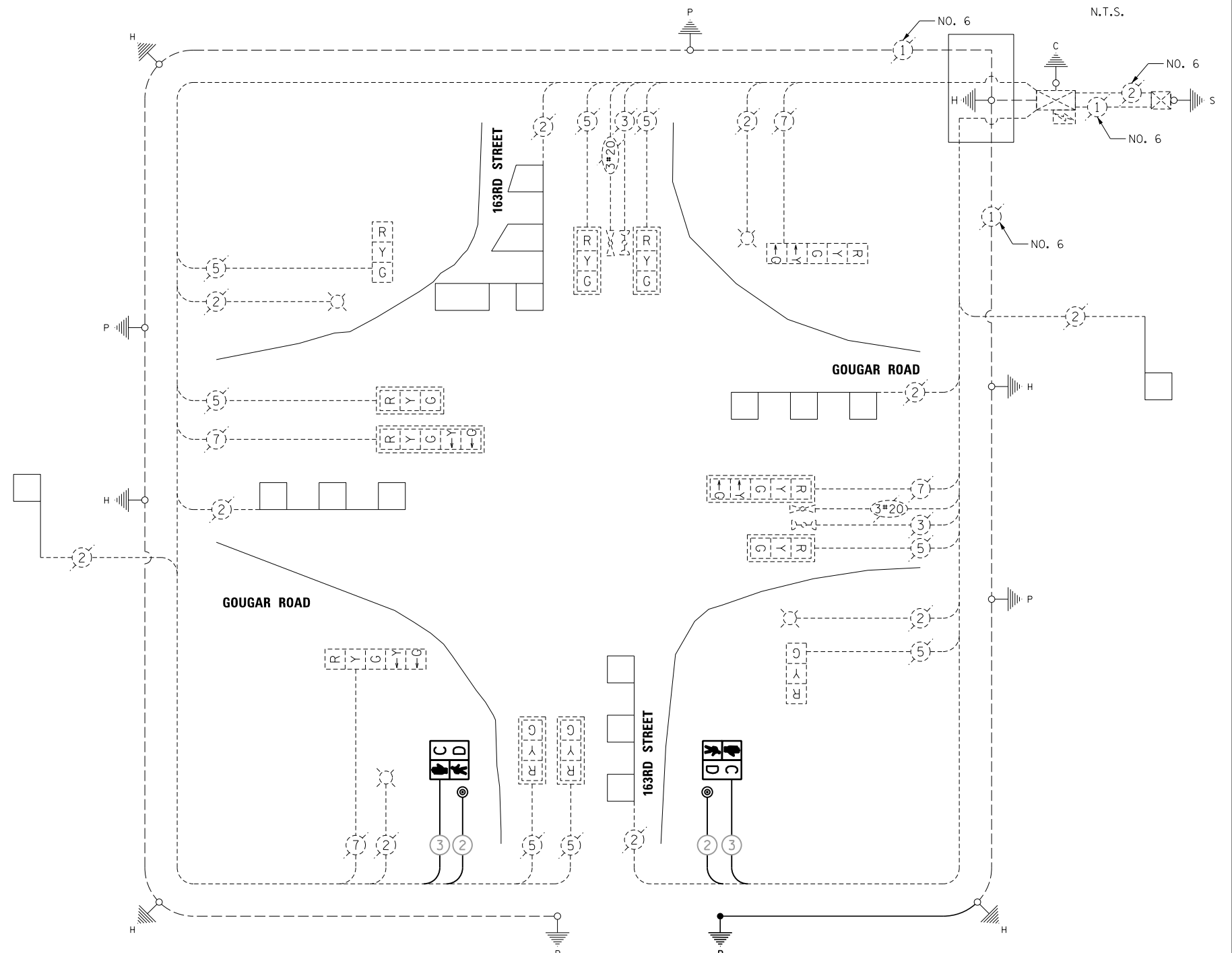
ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	19
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	463
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	463
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	26
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

[INSERT AGENCY] TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102.0
(YELLOW)	12		25	0.25	75.0
(GREEN)	12		15	0.25	45.0
ARROW	8		12	0.10	9.6
PED. SIGNAL	2		25	1.00	50.0
CONTROLLER	1		300	1.00	300.0
LUMINAIRE	4		250	0.50	500.0
UPS	1		25	1.00	25.0

ENERGY COSTS TO: TOTAL = 1106.6

[INSERT AGENCY]  
 [INSERT AGENCY ADDRESS]  
 ENERGY SUPPLY: CONTACT: [INSERT CONTACT NAME]  
 PHONE: [INSERT CONTACT PHONE]  
 COMPANY: COMED

FOUNDATION (DEPTH)	FT.	(m)	CABLE SLACK	FT.	(m)	VERTICAL	FT.	(m)
TYPE A - POST	4	(1.2)	HANDHOLE	6.5	(2.0)	ALL FOUNDATIONS	3.5	(1.0)
D - CONTROLLER	4	(1.2)	DOUBLE HANDHOLE	13	(4.0)	MAST ARM (L) POLE	20'+L-2'	
C - M. ARM POLE	2	(0.6)	SIGNAL POST	2	(0.6)	(6m+L-0.6m)=		
24" (600mm)	10	(3.0)	CONTROLLER CAB.	1	(0.3)	BRACKET MOUNTED	13	(4.0)
30" (750mm)	15	(4.6)	FIBER OPTIC	13	(4.0)	PED. PUSHBUTTON	4	(1.2)
			ELECTRIC SERVICE	1	(0.3)	ELECTRIC SERVICE	13.5	(4.1)
			GROUND CABLE	1	(0.3)	SERVICE TO GROUND	13.5	(4.1)
						POST MOUNTED	6	(1.8)



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USER NAME = ken.moy  
 DESIGNED - BNJ  
 DRAWN - BNJ  
 PLOT SCALE = 48.00' / in.  
 CHECKED - MLM  
 PLOT DATE = 2/8/2021  
 DATE - 2/09/2021

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

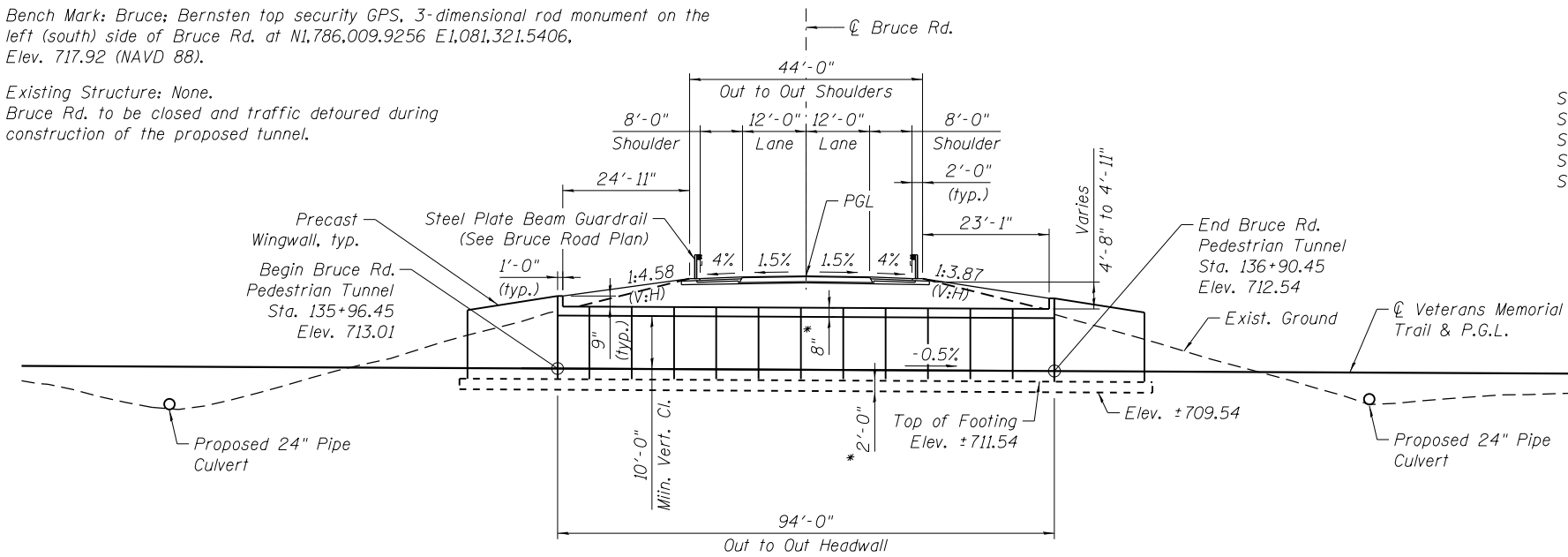
**VETERANS MEMORIAL TRAIL  
 SIGNAL CABLE PLAN: GOUGAR RD & 163RD ST**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	93
CONTRACT NO. 61G74				
ILLINOIS FED. AID PROJECT				

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

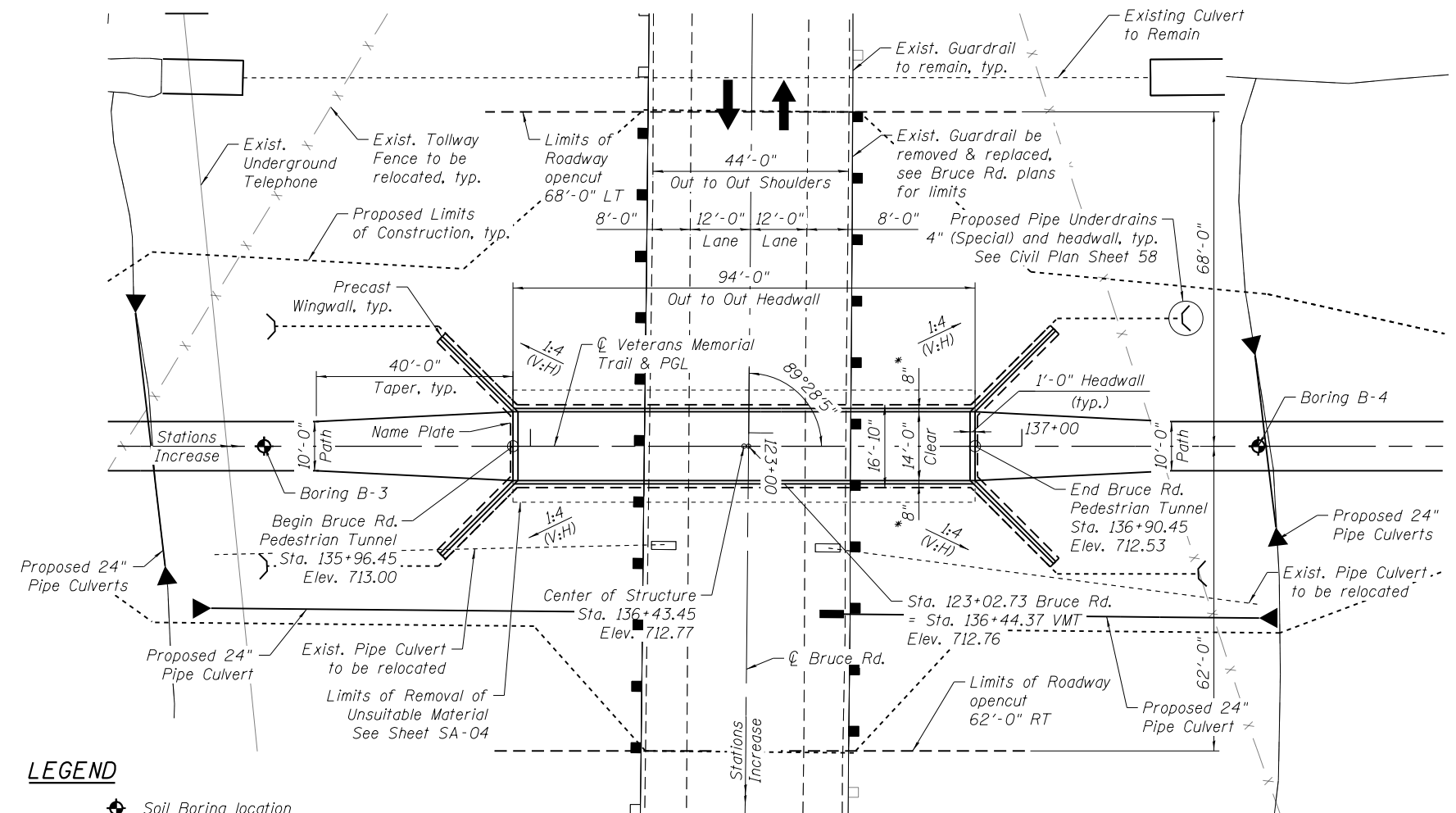
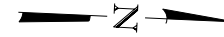
Bench Mark: Bruce; Bernsten top security GPS, 3-dimensional rod monument on the left (south) side of Bruce Rd. at N1,786,009.9256 E1,081,321.5406, Elev. 717.92 (NAVD 88).

Existing Structure: None.  
Bruce Rd. to be closed and traffic detoured during construction of the proposed tunnel.



**LONGITUDINAL SECTION**

\* May vary per manufacturer



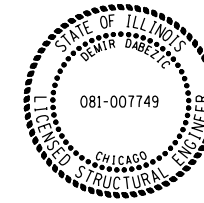
**PLAN**

**LEGEND**

- ⊕ Soil Boring location
- ▭ Existing guardrail
- ▭ Proposed guardrail

**INDEX OF SHEETS**

- SA-01 General Plan
- SA-02 General Notes & Details
- SA-03 Three-Sided Structure Details
- SA-04 Precast Wingwall Details
- SA-05 Soil Boring Logs



Demir Dabecic

DEMIR DABEZIC S.E.  
EXPIRES: NOVEMBER 30, 2022

I certify that to the best of my knowledge, information, and belief, the structure and design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

**LOADING HL - 93**

Allow 50#/sq ft for future wearing surface

**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

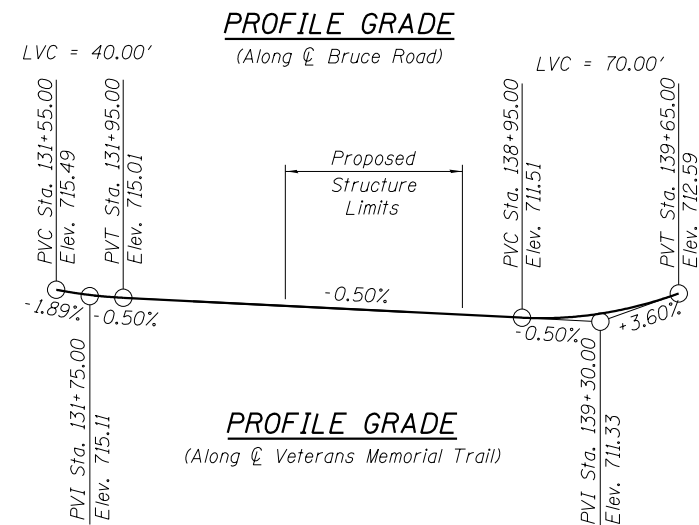
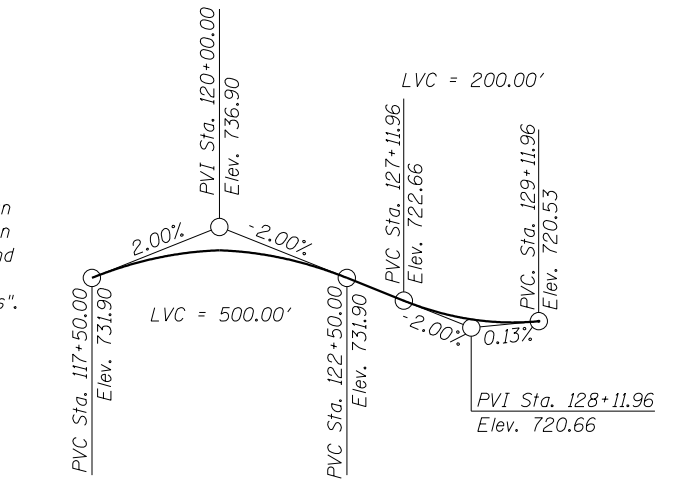
**DESIGN STRESSES**

**PRECAST UNITS**

$f'_c = 5,000$  psi  
 $f_y = 60,000$  psi (Reinforcement Bars)  
 $f_y = 60,000$  psi (Welded Wire Fabric)

**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec. ( $S_{a1}$ ) = 0.095g  
Design Spectral Acceleration at 0.2 sec. ( $S_{a5}$ ) = 0.167g  
Soil Site Class = D

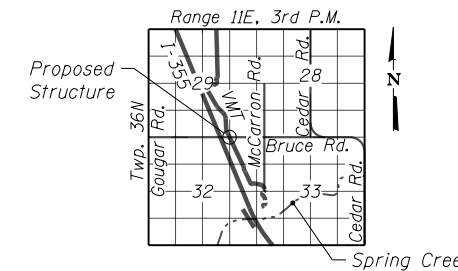


**PROFILE GRADE**

(Along Bruce Road)

**PROFILE GRADE**

(Along Veterans Memorial Trail)



**LOCATION SKETCH**

**GENERAL PLAN**  
**BRUCE ROAD OVER VETERANS MEMORIAL TRAIL**  
**FAU ROUTE 293**  
**SECTION 11-F3001-01-BT**  
**WILL COUNTY**  
**STA. 136+43.45**  
**STRUCTURE NO. 099-9934**



USER NAME =	DESIGNED - AM	REVISED
	CHECKED - DD	REVISED
PLOT SCALE =	DRAWN - AM	REVISED
PLOT DATE = 2/8/2021	CHECKED - MCC	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. SA-01 OF SA-05 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	94
CONTRACT NO. 61G74			ILLINOIS FED. AID PROJECT	

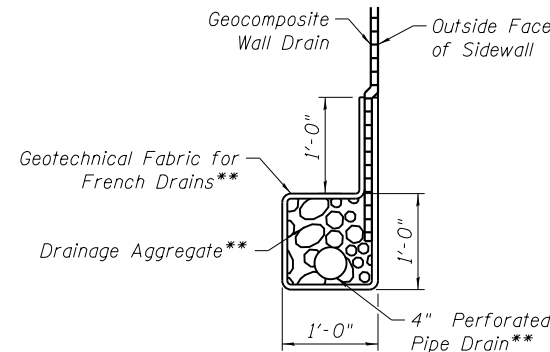
**GENERAL NOTES**

- This work consists of the fabrication and erection of a Three-Sided Precast Concrete Structure with a clear width of 14' as shown in these plans. See Special Provisions.
- The foundation design is based on the following factored reactions applied at the top of the base slab:  
North & South footings: 26.0 kips/ft. (vertical), 7.1 kips/ft. (horiz.)
- The loadings shown above are for the final condition with all backfill and roadway in place. The Contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete foundation design with calculations, details, and the required seals shall be submitted for review and approval.
- Factored bearing capacity of soil: 2.5 ksf.
- Undercut shall be paid for at the contract unit price per cubic yard as Removal and Disposal of Unsuitable Material for Structures. CA-7 bedding stone will be paid for at the contract unit price per cubic yard as Granular Backfill for Structures.
- Calculated length of Three-Sided Structure = 94'-0".
- For Steel Plate Beam Guardrail layout and quantity, see Bruce Road Plan and Profile Sheet.

VETERANS MEMORIAL TRAIL  
BUILT 20... BY  
FOREST PRESERVE DISTRICT  
OF WILL COUNTY  
SEC. 11-F3001-01-BT  
FAU RT. 293 STA. 136+43.45  
LOADING HL-93  
STRUCTURE NO. 099-9934

**NAME PLATE**

See Std. 515001

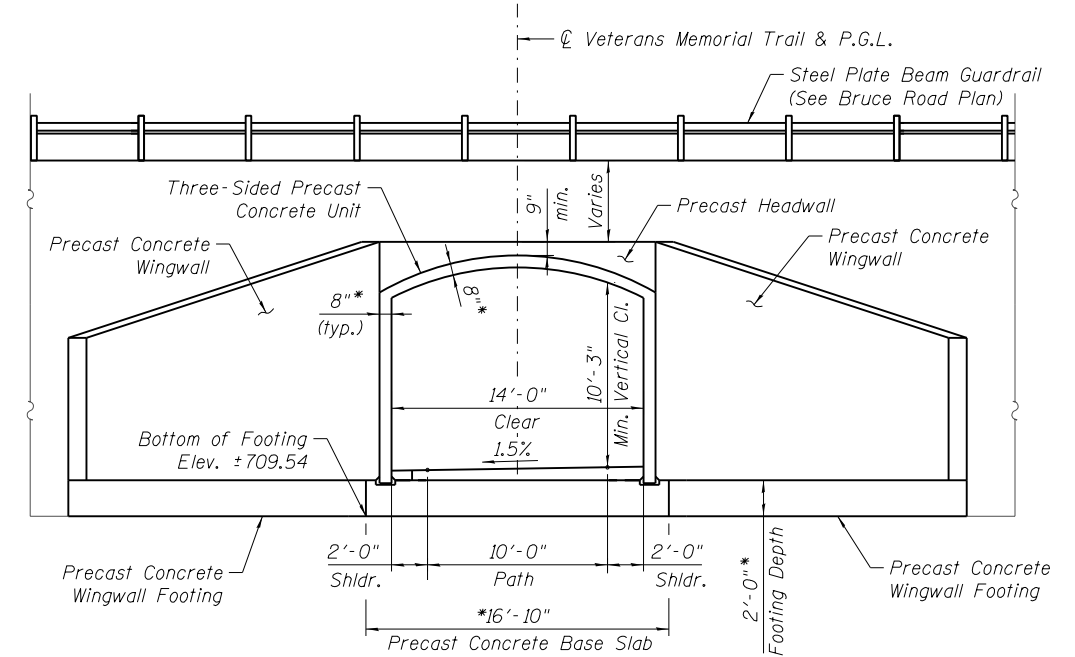


**PIPE UNDERDRAIN DETAIL**

\*\* Cost included with Pipe underdrains for structures 4". All drainage components shall extend to 2'-0" from the end of each wingwall, except an outlet pipe shall extend until intersecting with side slopes. The pipes shall drain into concrete headwalls. See Highway Standard 601101.

**TOTAL BILL OF MATERIAL**

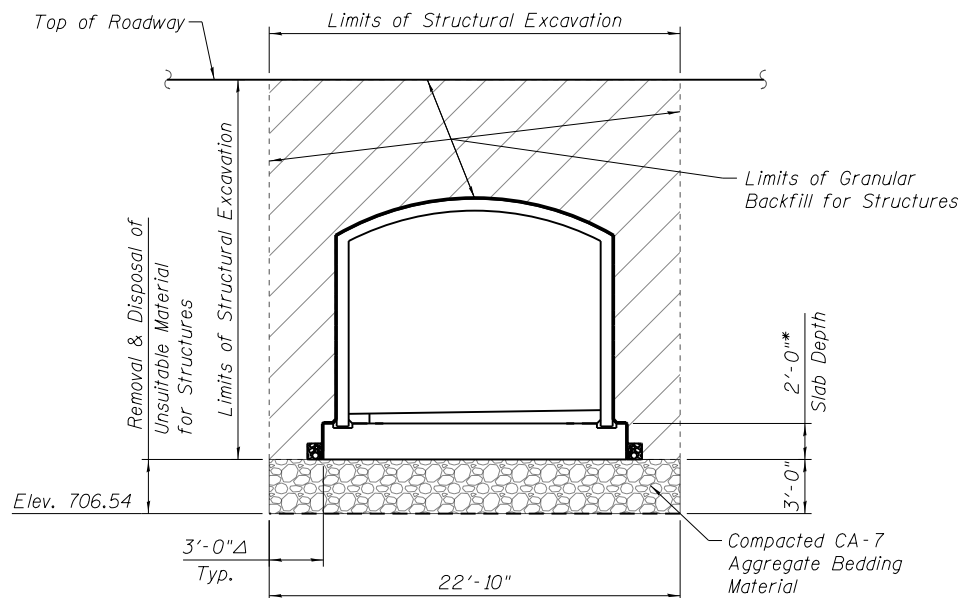
ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	90
Subbase Granular Material, Type B	Cu Yd	18
Portland Cement Concrete Sidewalk 6 Inch	Sq Ft	1,209
Structure Excavation	Cu Yd	1,907
Removal And Disposal Of Unsuitable Material For Structures	Cu Yd	239
Name Plates	Each	1
Granular Backfill For Structures	Cu Yd	932
Geocomposite Wall Drain	Sq Yd	685
Concrete Gutter, Type B	Foot	94
Membrane Waterproofing System For Buried Structures	Sq Yd	252
Three-Sided Precast Concrete Structures (Special) 14Ft	Foot	94
Pipe Underdrains For Structures 4"	Foot	285



**STRUCTURE END VIEW**

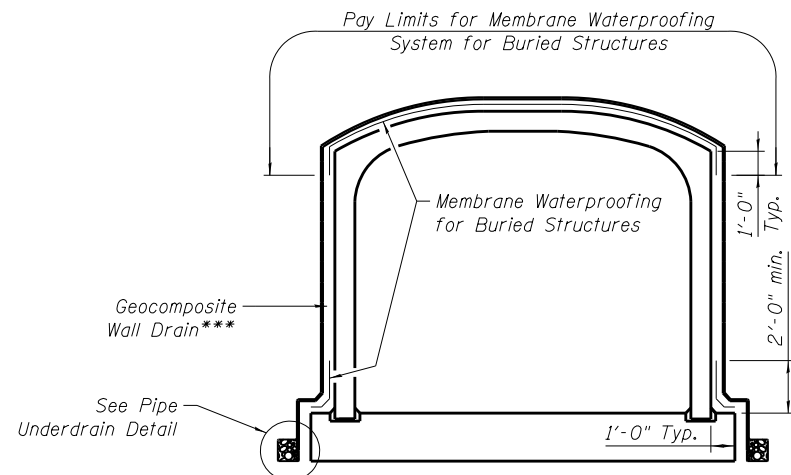
Note: Additional PCC thickness for path to provide cross slope shall be considered included in the Cost of the Item PCC Sidewalk 6".

\* See Note 1



**SECTION THRU STRUCTURE**

Δ Structural Excavation horizontal dimensions beyond vertical planes 3'-0" from the outside edge of the base slab shall not be measured for payment but shall be considered included in the cost of Structure Excavation.



**MEMBRANE WATERPROOFING DETAIL**

\*\*\* The pay limits for Geocomposite Wall Drain are along the perimeter of the top and side walls and shall be placed on top of the footing as shown. Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

**NOTES:**

- Three-Sided Precast Concrete Unit details and geometry may vary per selected manufacturer's design. See Special Provisions.



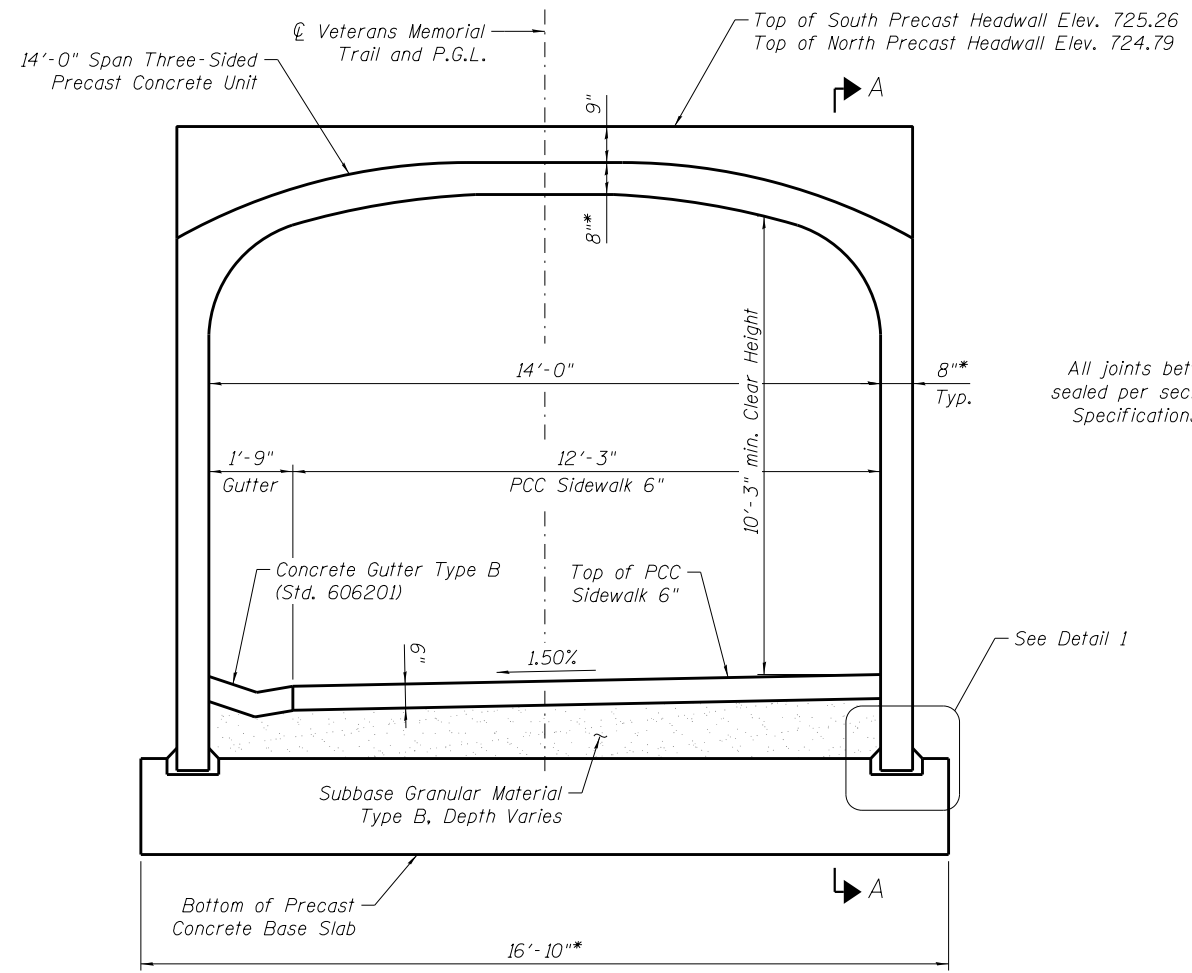
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	CHECKED - DD	REVISED
PLOT SCALE =	DRAWN - ALM	REVISED
PLOT DATE = 2/8/2021	CHECKED - MCC	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & DETAILS  
STRUCTURE NO. 099-9934

SHEET NO. SA-02 OF SA-05 SHEETS

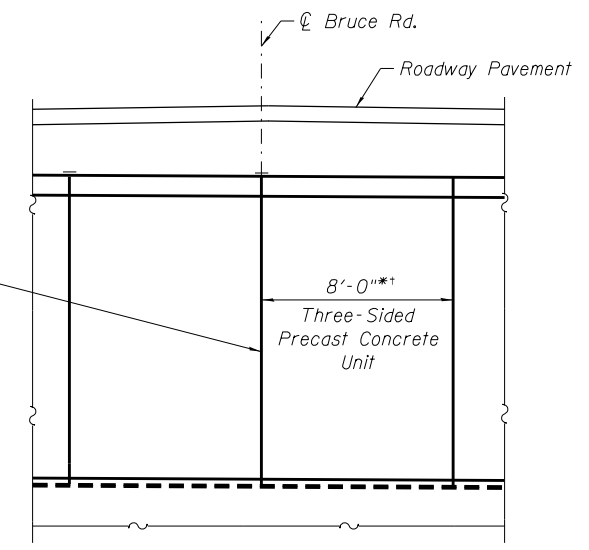
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	95
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				



**THREE-SIDED STRUCTURE END ELEVATION**

\*See Note 1

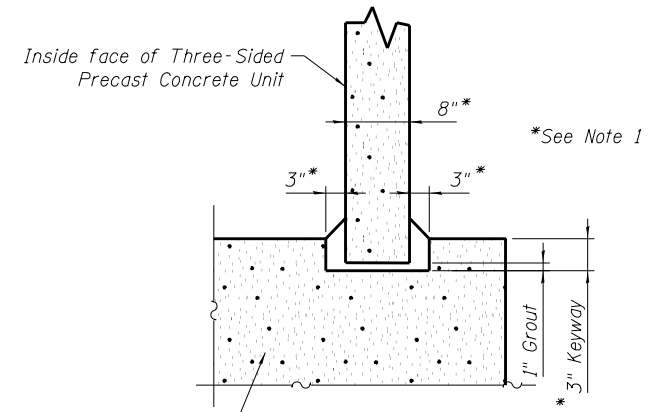
All joints between segments shall be sealed per section 540.06 of the Std. Specifications (See IDOT GBSP 90.)



**SECTION A-A**

\*See Note 1

†Except one panel shall be 6'-0"



**DETAIL 1**

Fill entire keyway including nominal 1" void between bottom of keyway and bottom of precast unit leg with grout

**NOTES:**

- 1. Three-Sided Precast Concrete Unit details and geometry may vary per selected manufacturer's design. See Special Provisions.



USER NAME =	DESIGNED - AM	REVISED
	CHECKED - DD	REVISED
PLOT SCALE =	DRAWN - ALM	REVISED
PLOT DATE = 2/8/2021	CHECKED - MCC	REVISED

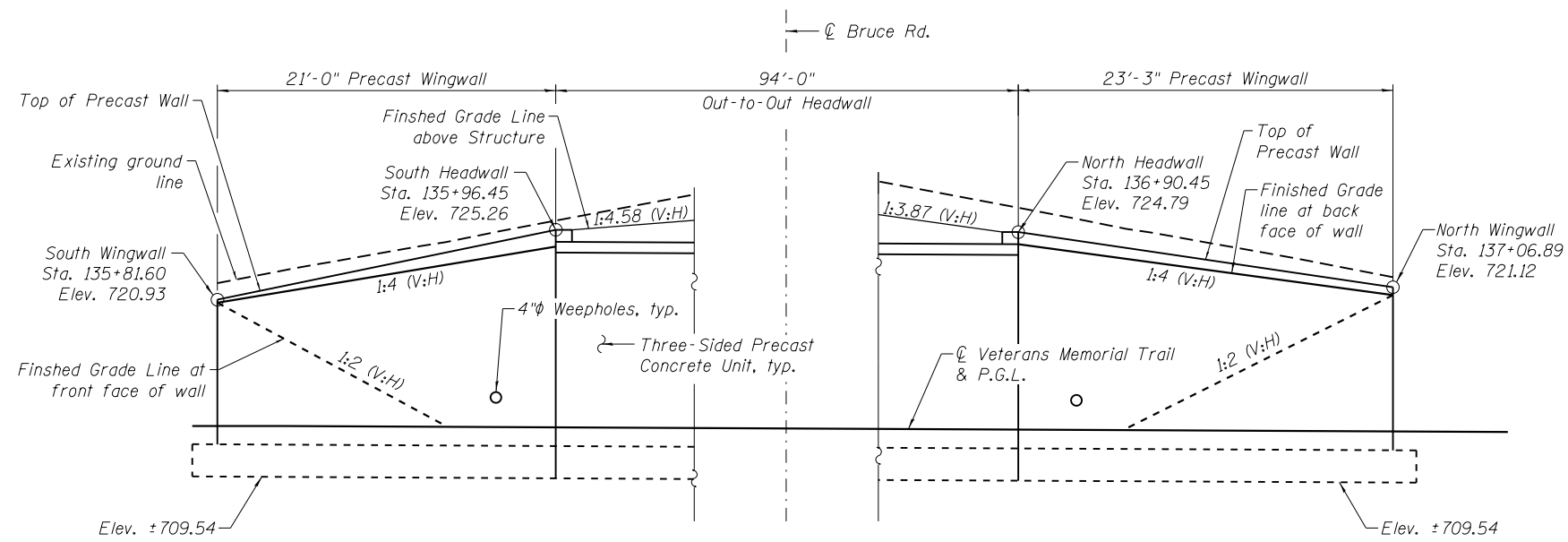
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**THREE-SIDED STRUCTURE DETAILS  
STRUCTURE NO. 099-9934**

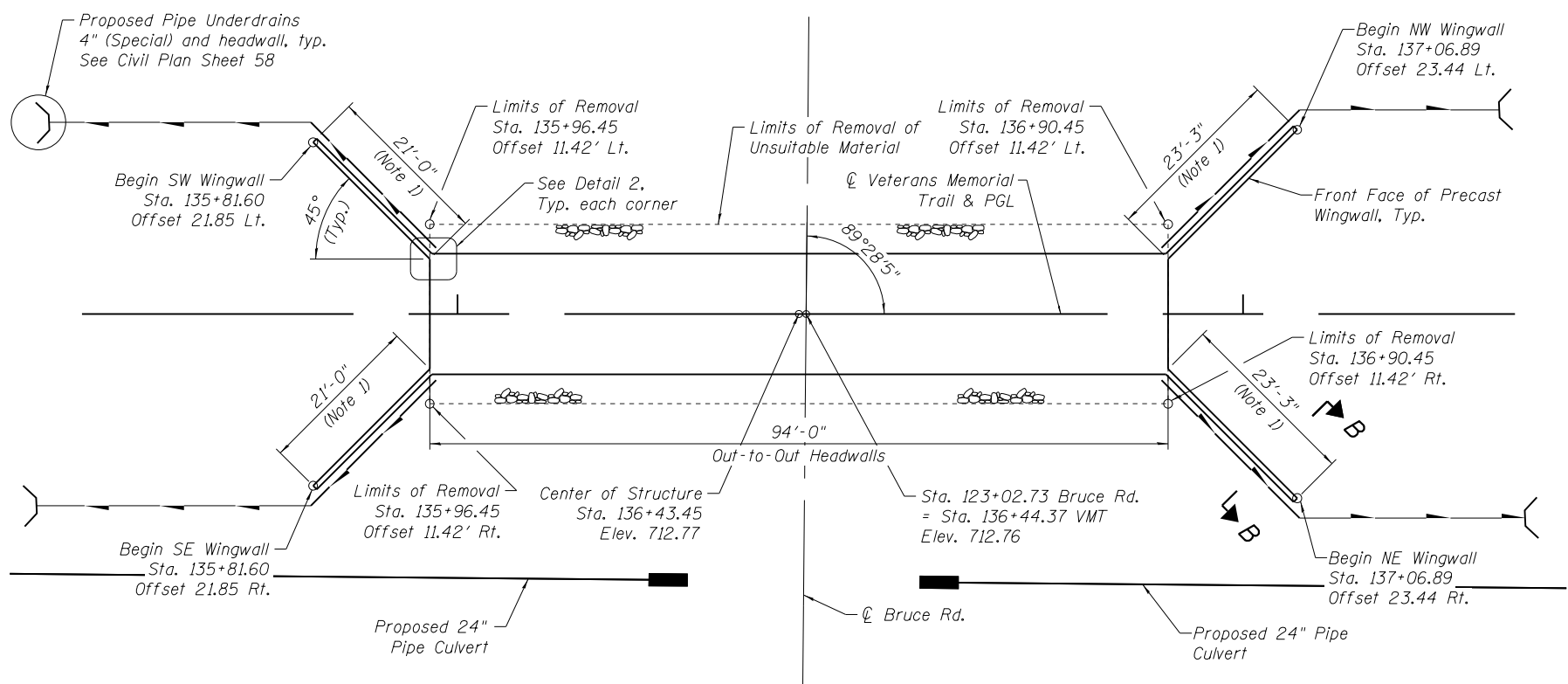
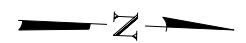
SHEET NO. SA-03 OF SA-05 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	96
CONTRACT NO. 61G74			ILLINOIS FED. AID PROJECT	





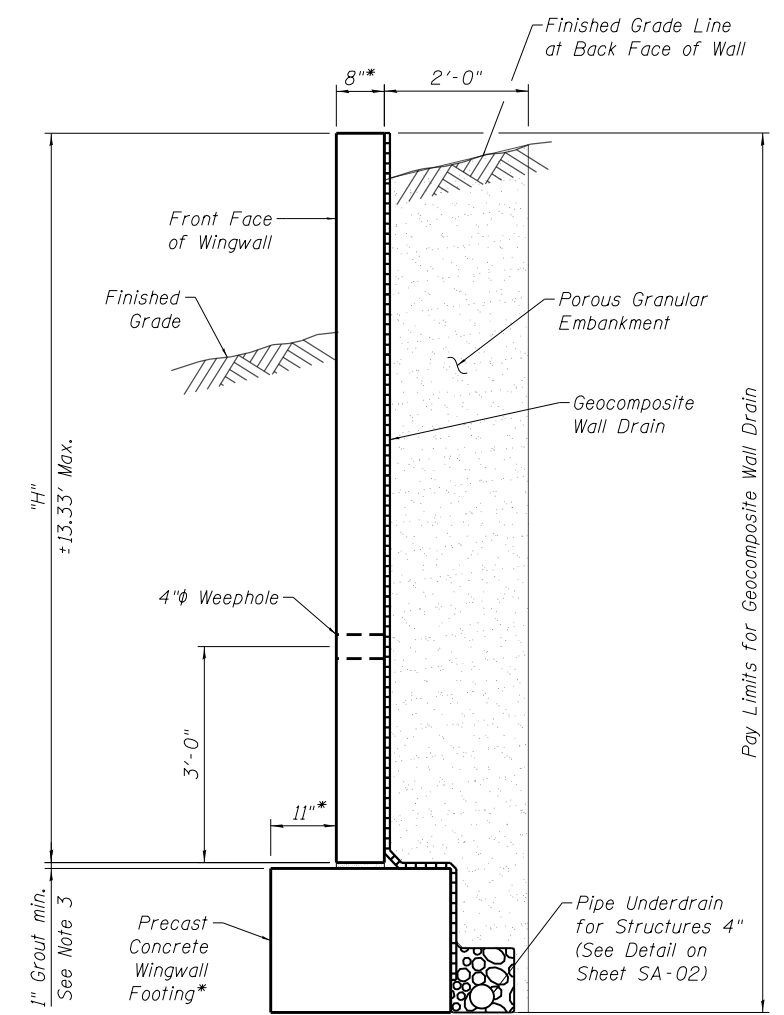
**EAST PRECAST WINGWALL ELEVATION**  
(Looking West)  
(West Wingwalls mirrored about  $\varnothing$  VMT)



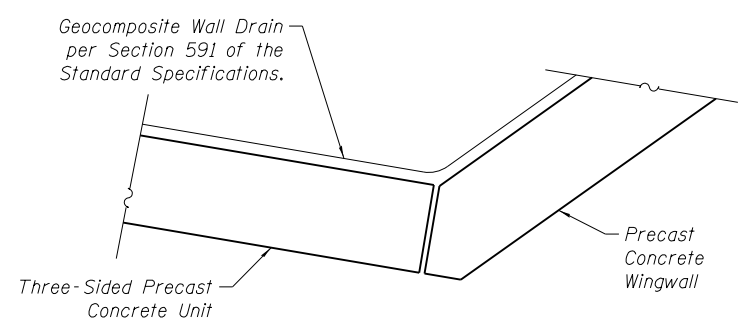
**PLAN - PRECAST WINGWALLS**

**LEGEND**

- Proposed Pipe Underdrains 4" (Special)
- Proposed Pipe Underdrains for Structures 4"



**SECTION B-B**



**DETAIL 2**

**NOTES:**

1. Wingwall length shown measured along front face of wall. Lengths shall be verified to meet proposed grading and manufacturer's structure geometry.
2. Wingwall details and geometry shown may vary per selected manufacturer design. See Special Provisions.
3. Wingwall grout at the footing shall be as follows:
  - Minimum 1" grout under wingwall leg & anchor stem.
  - Form backside of footing to dimensions provided in selected manufacturer's design.



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	CHECKED - DD	REVISIONS
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PLOT DATE = 2/8/2021	CHECKED - MCC	REVISIONS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRECAST WINGWALL DETAILS  
STRUCTURE NO. 099-9934**

SHEET NO. SA-04 OF SA-05 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	97
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

Date 1/28/16

ROUTE \_\_\_\_\_ DESCRIPTION Proposed Tunnel under Bruce Road LOGGED BY Danish

SECTION \_\_\_\_\_ LOCATION Northing: 1785795.1365, Easting: 1077237.9536, SEC. , TWP. , RNG.

COUNTY Will County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPTH	BLOW	UNIFORMITY	MOISTURE	Surface Water Elev.	DEPTH	BLOW	UNIFORMITY	MOISTURE
Proposed Tunnel under Bruce Road	ft	(/6")	(tsf)	(%)	ft	ft	(/6")	(tsf)	(%)
BORING NO. B-3 (South Side)					Groundwater Elev.:				
Station 135+50					Upon Completion None ft				
Offset 5.50ft S					After Hrs. ft				
Ground Surface Elev. 708.00 ft									
12"-TOPSOIL - Dark Brown.					CLAY with trace gravel, pieces of stone, Gray, Very Stiff to Hard. CL (continued)				
	707.00	3				7			
CLAY with trace of sand and pieces of stone, Brown and Gray, Very Stiff to Hard. CL		4	3.1	15.3		9	3.7	12.0	
		7	B			12	S		
		5				9			
		8	7.4	15.2		11	4.3	14.1	
		12	B			12	S		
		-5				-25			
		4			SILTY CLAY with pieces of stone, Gray, stiff to Hard. CL-ML	8			
		8	5.4	16.0		12	1.7	13.9	
		11	S			12	B		
		3				9			
CLAY, Brown and Gray, Very Stiff to Stiff. CL	699.50	6	2.7	16.9		10	4.5	11.0	
		7	B			12	S		
		-10				-30			
		ST	3.2	17.7	CLAY, Gray, Stiff to Very Stiff. CL				
			B						
		3				4			
		5	1.8	17.3		7	1.8	15.4	
		8	B			9	B		
		-15				-35			
CLAY with trace of gravel and pieces of stone, occasional small boulder, Gray, Stiff. CL	693.00	7							
		39	1.7	15.2					
		50/2"	B						
		13				4			
		15		5.8		6	2.0	14.7	
		16				14	B		
		-20				-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)  
 Page 22



SOIL BORING LOG

Date 2/25/16

ROUTE \_\_\_\_\_ DESCRIPTION Proposed Tunnel under Bruce Road LOGGED BY Hanu

SECTION \_\_\_\_\_ LOCATION Northing: 1785997.2248, Easting: 1077228.8881, SEC. , TWP. , RNG.

COUNTY Will County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPTH	BLOW	UNIFORMITY	MOISTURE	Surface Water Elev.	DEPTH	BLOW	UNIFORMITY	MOISTURE
Proposed Tunnel under Bruce Road	ft	(/6")	(tsf)	(%)	ft	ft	(/6")	(tsf)	(%)
BORING NO. B-4 (North Side)					Groundwater Elev.:				
Station 137+50					Upon Completion 678.0 ft				
Offset 14.00ft N					After Hrs. 679.0 ft				
Ground Surface Elev. 705.00 ft									
TOPSOIL with Organic Clay, Black.					CLAY, Gray, Stiff to Medium Stiff. CL				
		1				5			
		2		45.8		7	1.2	16.4	
		2				8	B		
		1			CLAY, Gray, Stiff. CL	4			
		2	1.9	18.9		5	0.9	13.5	
		5	B			8	B		
		-5				-25			
		3			SILTY CLAY with Sand and Gravel, Gray, Stiff to Very Stiff. CL-ML	13			
		4	1.0	17.5		12	1.0	18.2	
		5	B			10	P		
		2				8			
		5	1.8	17.0		8	2.3	15.0	
		6	B			12	B		
		-10				-30			
		ST	2.0	17.4	CLAY with trace of fine gravel, Gray, Stiff to Very Stiff. CL				
			P						
		3				4			
CLAY, Brown and Gray, Very Stiff to Stiff. CL	691.50	6	3.9	17.7		7	1.4	17.2	
		10	S			10	B		
		-15				-35			
		4							
		6	1.5	16.7					
		7	B						
		12				5			
CLAY with trace of gravel, Brown and Gray, Stiff. CL	687.00	7	1.9	9.3		8	2.2	15.6	
		7	B			12	B		
		-20				-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)  
 Page 23



USER NAME =	DESIGNED - AM	REVISED
	CHECKED - DD	REVISED
PLOT SCALE =	DRAWN - AM	REVISED
PLOT DATE = 2/8/2021	CHECKED - MCC	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
 STRUCTURE NO. 099-9934

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	98
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				

SHEET NO. SA-05 OF SA-05 SHEETS

Bench Mark: Tower; Bernsten top security GPS 3-dimensional rod monument, on the right (east) shoulder of Gougar Rd. at N:1,800,975.0800 E:1,073,316.1058, Elev. 754.44 (NAVD 88).

Existing Structure: None.

**INDEX OF SHEETS**

- SB-01 General Plan
- SB-02 General Data
- SB-03 Precast Concrete Box Culvert Apron End Section Details
- SB-04 Bicycle Railing
- SB-05 Soil Boring Logs



*Demir Dabezic*

DEMIR DABEZIC S.E.  
EXPIRES: NOVEMBER 30, 2022

I certify that to the best of my knowledge, information, and belief, the structure and design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

**DESIGN SPECIFICATIONS**

2017 IDOT Culvert Manual  
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

**LOADING HL-93**

**DESIGN STRESSES**

- PRECAST UNITS**  
 $f'_c = 5,000$  psi  
 $f_y = 60,000$  psi (Reinforcement Bars)  
 $f_y = 65,000$  psi (Welded Wire Reinforcement)
- FIELD UNITS**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement Bars)  
 $f_y = 65,000$  psi (Welded Wire Reinforcement)

**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. ( $S_{0.1}$ ) = 0.095g  
 Design Spectral Acceleration at 0.2 sec. ( $S_{0.2}$ ) = 0.167g  
 Soil Site Class = D

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	27
Stone Riprap, Class A4	Sq Yd	163
Filter Fabric	Sq Yd	52
Structure Excavation	Cu Yd	156
Removal And Disposal Of Unsuitable Material For Structures	Cu Yd	24
Concrete Structures	Cu Yd	1
Reinforcement Bars, Epoxy Coated	Pound	40
Bicycle Railing	Foot	40
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts 9' X 9'	Foot	28
Granular Backfill For Structures	Cu Yd	24
Geocomposite Wall Drain	Sq Yd	47
Membrane Waterproofing System For Buried Structures	Sq Yd	42

**WATERWAY INFORMATION**

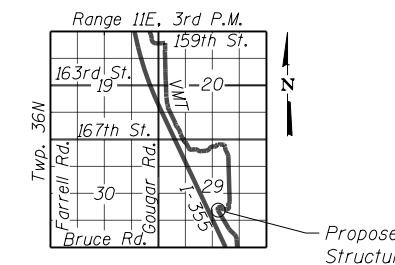
Drainage Area = 1.6 sq. mi. Low Grade El. 714.00 @ Sta. 159+30

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	217	N/A	84	708.7	N/A	0	N/A	708.7
Base	50	356	N/A	113	710.3	N/A	0.1	N/A	710.4
Overtopping	100	427	N/A	127	711.1	N/A	0.2	N/A	711.3
Max. Calc.	500	621	N/A	162	713.7	N/A	0.6	N/A	714.3

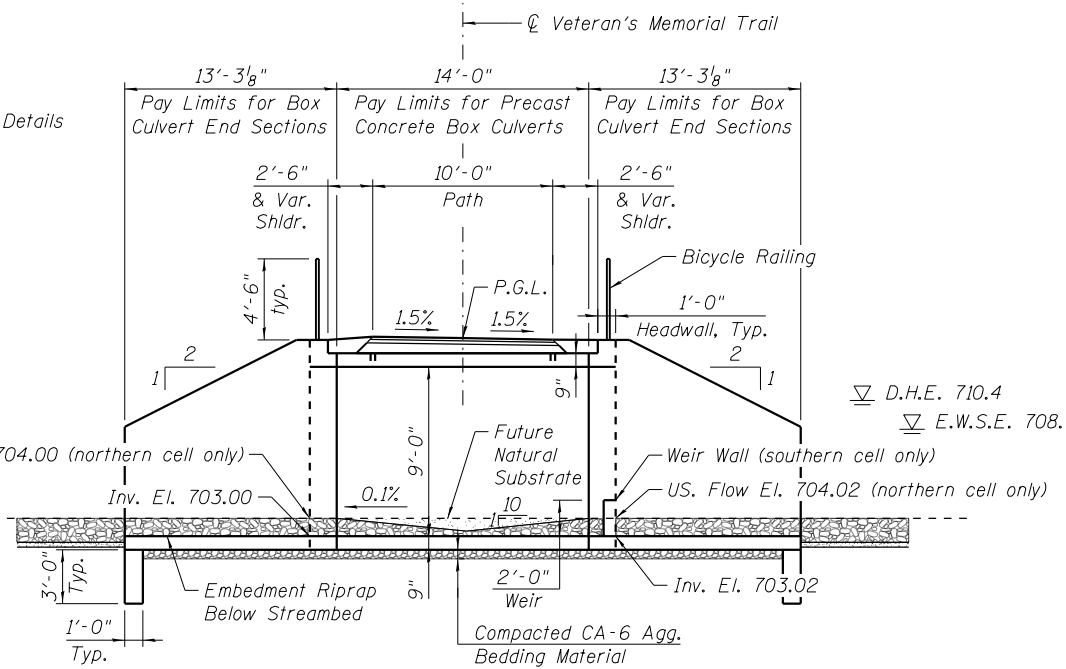
10-year velocity through existing structure = N/A  
 10-year velocity through proposed structure = 257 ft/s

**CURVE DATA**

Prop. Curve 18  
 P.I. Sta. = 161+38.20  
 $\Delta = 132^\circ 32' 44''$   
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 227.51'$   
 $L = 231.34'$   
 $E = 148.52'$   
 P.C. Sta. = 159+10.68  
 P.T. Sta. = 161+42.02



**LOCATION SKETCH**

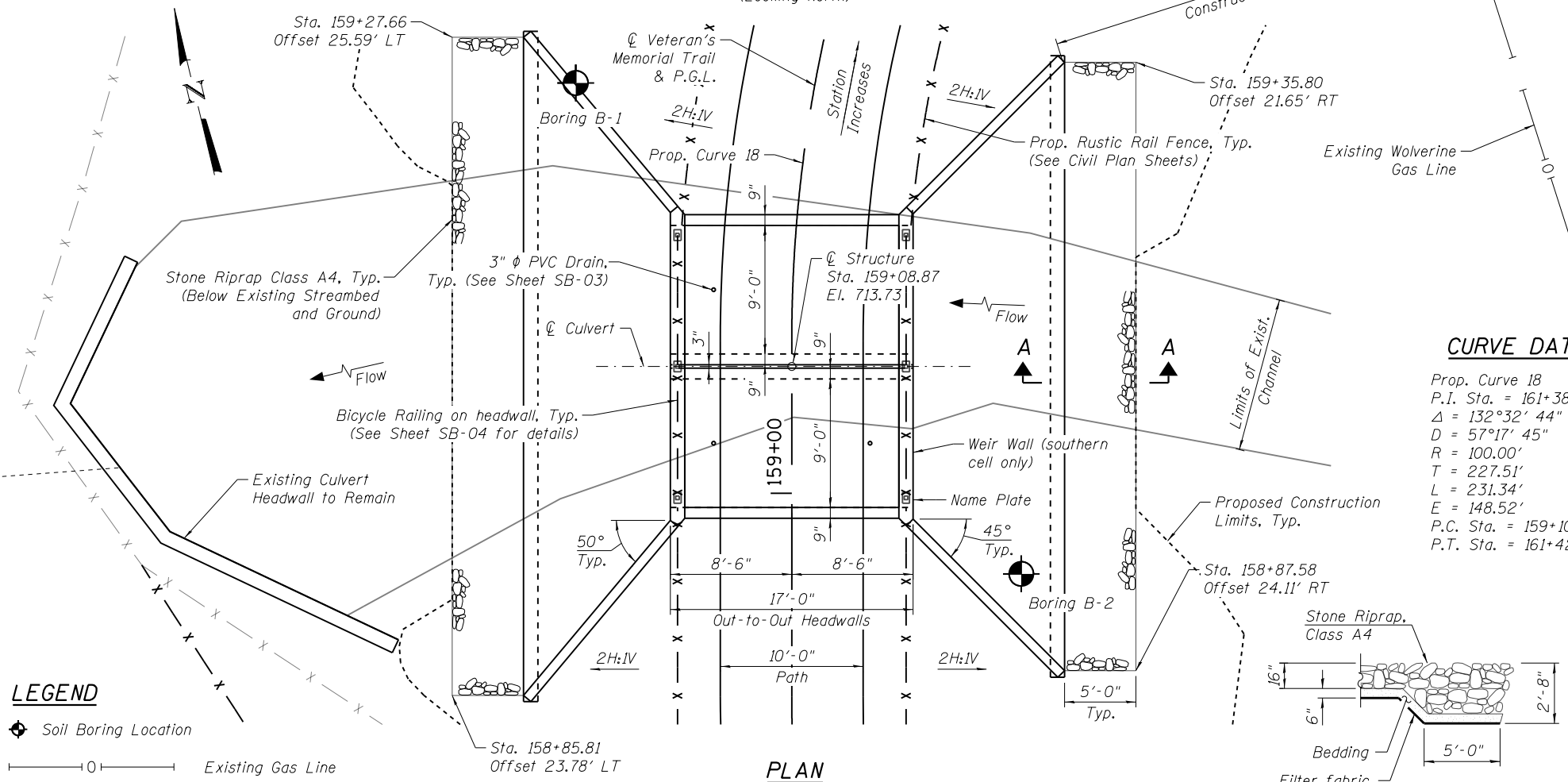
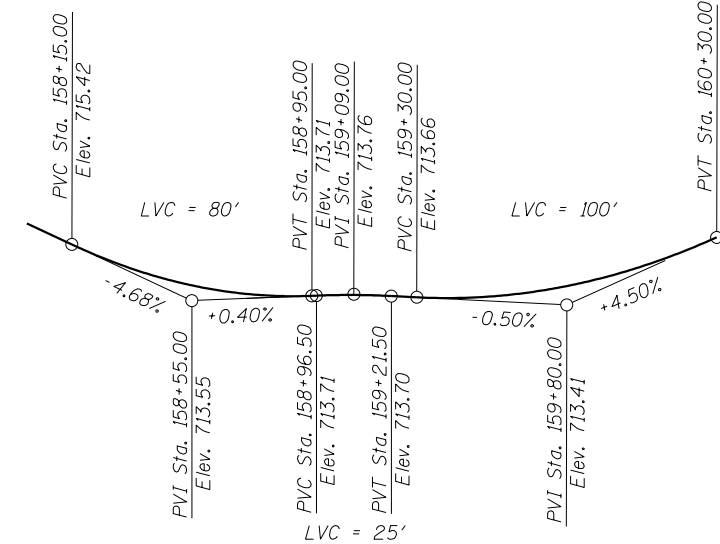


**LONGITUDINAL SECTION**

(Looking North)

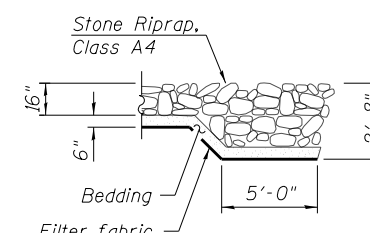
**PROFILE GRADE**

(Along Veterans Memorial Trail)



**PLAN**

**SECTION A-A**



**LEGEND**

- Soil Boring Location
- Existing Gas Line
- Existing Fence
- Proposed Railing



USER NAME =	DESIGNED - AM	REVISED
	CHECKED - DD	REVISED
PLOT SCALE =	DRAWN - AM	REVISED
PLOT DATE = 2/8/2021	CHECKED - MCC	REVISED

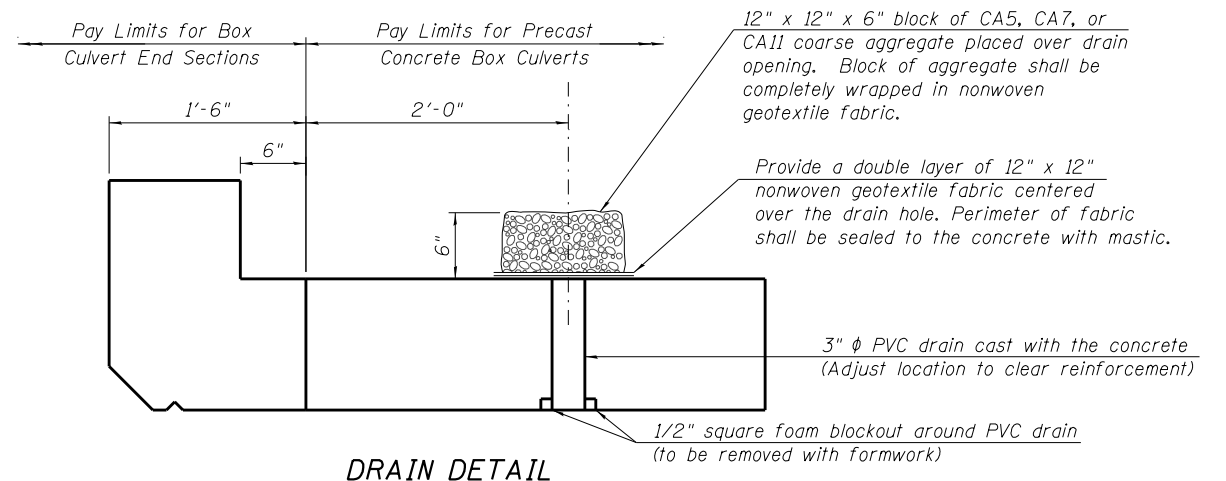
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. SB-01 OF SB-05 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	99
CONTRACT NO. 61G74			ILLINOIS FED. AID PROJECT	

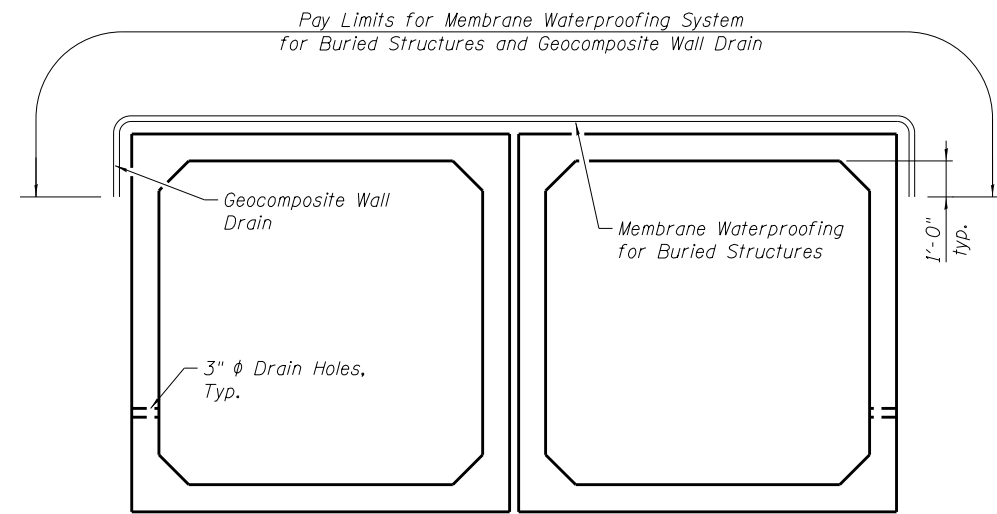
**GENERAL NOTES**

- The design fill height for this box culvert is 1.0 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
- Contractor is responsible for waterway diversion and dewatering of the work area during box culvert construction. See Special Provision, In-Stream Work.
- Undercut shall be paid for at the contract unit price per cubic yard as Removal and Disposal of Unsuitable Material for Structures. CA-6 bedding stone will be paid for at the contract unit price per cubic yard as Granular Backfill for Structures.
- Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specifications.
- Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard. Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert and end sections, and not closer than 2 ft from the face of the embankment.
- Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.
- Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.
- The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening of stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no charge.
- Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".
- The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.
- Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.
- One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



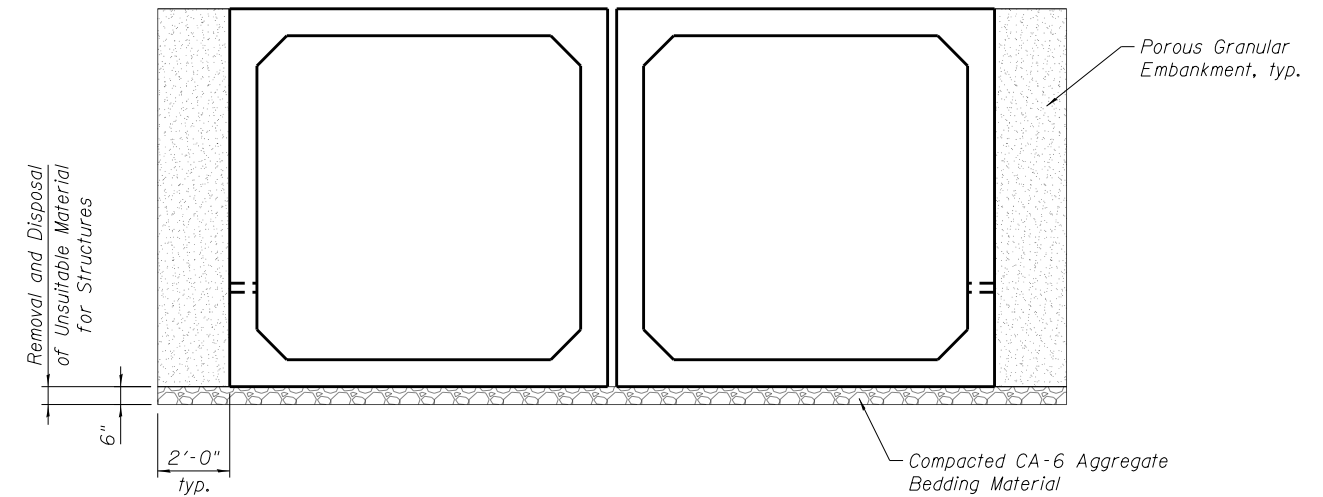
**DRAIN DETAIL**

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



**MEMBRANE WATERPROOFING AND GEOCOMPOSITE WALL DRAIN DETAIL**

Note: Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.



**SECTION THRU BARRELS**

FRACTION RUN CREEK  
BUILT 20\_\_ BY  
FOREST PRESERVE DISTRICT  
OF WILL COUNTY  
SEC. 11-F3001-01-BT  
LOADING HL-93

**NAME PLATE**  
See Std. 515001



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PLOT SCALE =	DRAWN - AM	REVISED
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
BOX CULVERT STRUCTURE #1**

SHEET NO. SB-02 OF SB-05 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-F3001-01-BT	WILL	234	100
			CONTRACT NO. 61G74	
ILLINOIS FED. AID PROJECT				