

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

01-19-2024 LETTING ITEM 051

TRAFFIC DATA:

BULL VALLEY ROAD

ADT = 10,000

POSTED SPEED LIMIT = 45 MPH

FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

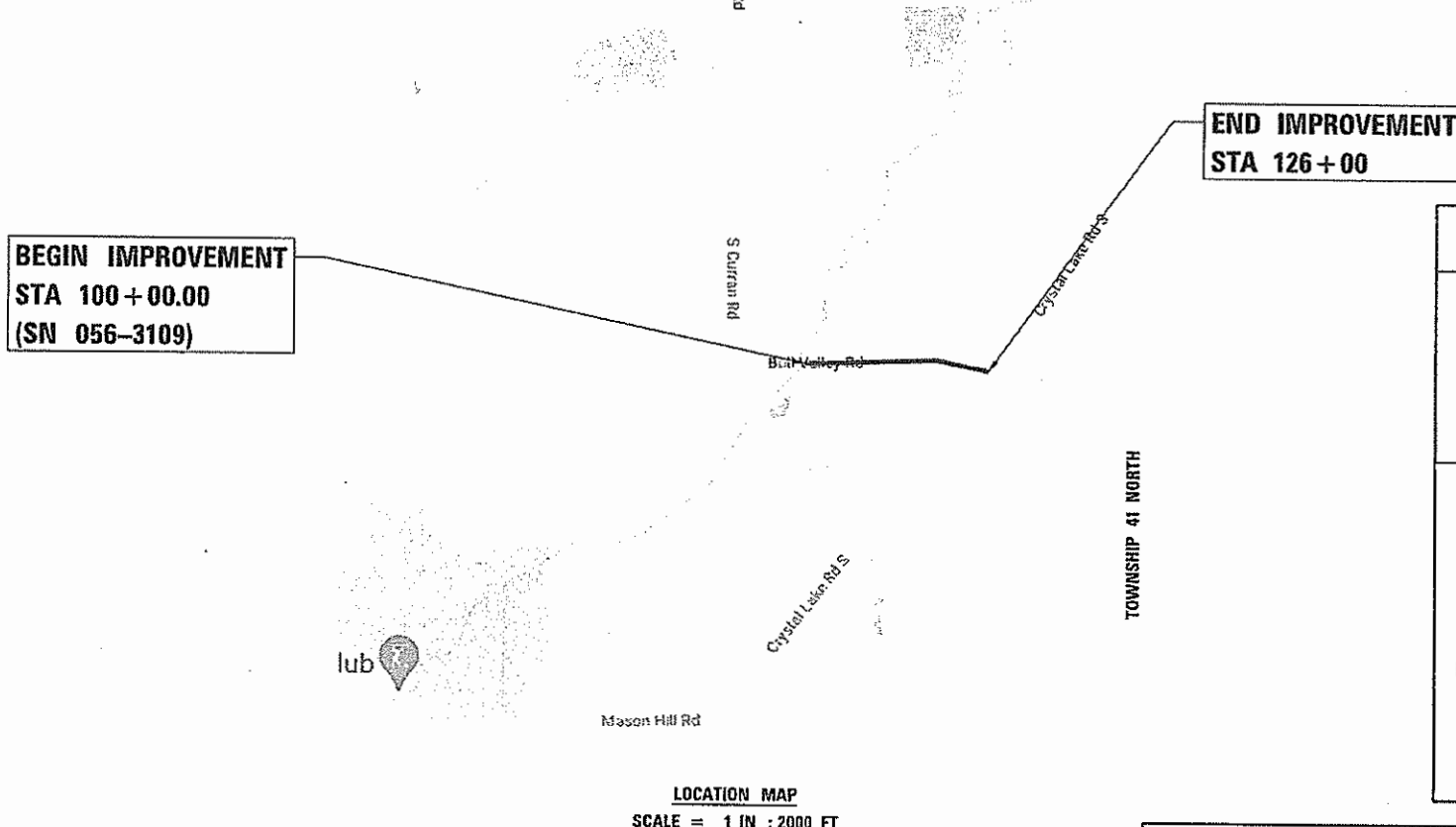
FAU 3860 (BULL VALLEY ROAD)
 CURRAN ROAD TO CRYSTAL LAKE AVENUE
 SECTION 21-00091-00-RS
 PROJECT NO. DDGD(509)
 ROAD RESURFACING IMPROVEMENTS
 CITY OF MCHENRY
 MCHENRY COUNTY
 JOB NO. C-91-213-22

RANGE 10 EAST, SECTIONS 17 & 18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-RS	MCHENRY	24	1
ILLINOIS			CONTRACT NO. 61J96	

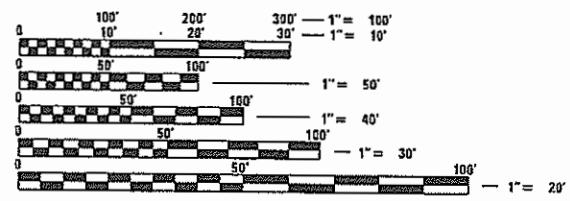


LOCATION OF SECTION INDICATED THUS: - [rectangle] -



**BEGIN IMPROVEMENT
 STA 100+00.00
 (SN 056-3109)**

**END IMPROVEMENT
 STA 126+00**



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 EXCAVATORS
 1-800-892-0123
 OR 811

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

CONTRACT NO. 61J96

LOCATION MAP
 SCALE = 1 IN : 2000 FT

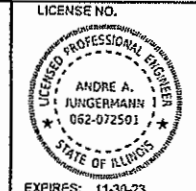
GROSS LENGTH = 3740 FT. = 0.71 MILE
 NET LENGTH = 3740 FT. = 0.71 MILE

AGENCY RESPONSIBLE FOR LETTING	
LOCAL AGENCY CITY OF MCHENRY	
APPROVED <u>SEPT. 29</u> 20 <u>23</u>	<i>Gregory S. Gruen</i> CITY OF MCHENRY, ENGINEER GREGORY S. GRUEN, P.E.
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
PASSED <u>NOV 7</u> 20 <u>23</u>	<i>Gregory S. Gruen</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW <u>NOVEMBER 7</u> 20 <u>23</u>	
<i>Gregory S. Gruen</i> REGIONAL ENGINEER	

DATE: 11/06/2023

BY: *Andre A. Jungermann*

LICENSE EXPIRES: 11-30-23



LICENSE NO. 124,009,599

Hampton, Lenzi and Renwick, Inc.
 Civil Engineers • Structural Engineers
 Land Surveyors • Environmental Services
 1707 N. RANDALL ROAD, SUITE 100
 ELGIN, ILLINOIS 60123
 847.897.6700 www.hlrengineering.com
 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORPORATION

PROJECT NUMBER: 20,0351,330 DATE: 11/08/2023

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

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS
7	ALIGNMENT AND TIES
8-10	RESURFACING PLAN SHEETS
11-13	EROSION AND SEDIMENT CONTROL PLANS
14-16	PAVEMENT MARKING PLAN SHEETS
17-19	LANDSCAPING PLAN SHEETS
20	ADA SIDEWALK DETAILS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442001-04	CLASS A PATCHES
442101-09	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-6.24 (B-15.60)
630001-12	STEEL PLATE BEAM GUARDRAIL
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS 45MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT ONE DETAILS

BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKINGS LETTERS AND SYMBOLS

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL WORK SHALL BE IN ACCORDANCE WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2022, (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2024; "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS", SIXTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE MORE STRINGENT OF THE LATEST STANDARD OF McHENRY COUNTY, OR THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS AND THE PLANS.

ALL WORK SHALL BE INCLUDED WITHIN THE PROPOSED RIGHT OF WAY (ROW) LIMITS OF THE PROJECT, AS SHOWN. NO EQUIPMENT, MATERIAL, YARD OR FIELD OFFICE SHALL BE SETUP OR STORED ON TOWNSHIP OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME. CONTRACT 61J51 IS A SIGNAL UPGRADE PROJECT AT BULL VALLEY ROAD AND CRYSTAL LAKE AVENUE.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER LOCATIONS SHOWN AT POINTS OF CURVE, ETC., ARE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO BE THE FOLLOWING POINTS:
 A) FOR STRUCTURES FALLING IN THE CURB LINE TO THE EDGE OF PAVEMENT;
 B) FOR ALL OTHER STRUCTURES TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON A LOCAL DATUM

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC., ARE FROM THE CENTERLINE OR BASELINE AS SHOWN ON THE PLANS.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH McHENRY COUNTY AND STATE IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY McHENRY COUNTY OR STATE WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES, LISTED BELOW, PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

SEWER AND WATER MAINS

INLET FILTERS SHALL BE USED ON ALL EXISTING DRAINAGE STRUCTURES, OR AS REQUIRED BY THE ENGINEER.

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES.

ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF McHENRY COUNTY OR STATE, AS APPLICABLE. ANY ITEMS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED, AS PART OF THIS CONTRACT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: FOR STORM SEWER STRUCTURES "STORM", FOR SANITARY SEWER STRUCTURES "SANITARY", FOR WATER SYSTEM STRUCTURES "WATER".

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800)-892-0123 OR AT 811. THE PUBLIC & PRIVATE UTILITY CONTACTS OPERATING WITHIN THE PROJECT LIMITS ARE AS FOLLOWS:

SEDIMENTATION & EROSION CONTROL NOTES

EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE SWPPP FOR THE PROJECT AND THE FOLLOWING COMMENTS

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. SOIL-EROSION AND SEDIMENT-CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF LAND AND EARTH DISTURBANCE OF UPLAND AREAS.

DISTRUBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY.

AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN 3H:1V SHALL BE STABILIZED WITH SOD, MAT, OR BLANKET IN COMBINATION WITH SEEDING.

ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT-CONTROL MEASURE AS FOUND IN THE SWPPP.

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.

ALL TEMPORARY AND PERMANENT EROSION-CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED BY THE CONTRACTOR AS NEEDED WITHIN 24 HOURS OF DISCOVERY. MAINTENANCE NOT PERFORMED IN A TIMELY FASHION MAY RESULT IN AN INCIDENCE OF NON-COMPLIANCE.

A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT-DISPOSAL AREA. ALL OF THIS WORK WILL BE IN COMPLIANCE WITH THE DETAILS AND PROVISIONS SPECIFIED FOR STABILIZED CONSTRUCTION ENTRANCE.

SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES.

IF DE-WATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT-CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, FILTER BAG OR OTHER APPROVED MEASURE).

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.

EARTH EXCAVATION SHALL CONSIST OF THE EXCAVATION AND TRANSPORTATION OF ALL EARTH AS SHOWN ON THE CROSS SECTIONS THROUGHOUT THE LIMITS OF THE CONTRACT. ANY OF THE EXCAVATED MATERIALS THAT ARE UNSUITABLE FOR EMBANKMENT UNDER THE PAVEMENT SHALL BE USED AT OTHER LOCATIONS PROVIDED BY THE CONTRACTOR.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF McHENRY. THE CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

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 HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.

PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED. A PHOSPHORUS-FREE FERTILIZER IN THAT AREA SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

MISCELLANEOUS

THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS, EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT UNLESS A DETOUR PLAN IS PROVIDED IN THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE PAVED SHALL BE SEEDED. SEED LIMITS SHOWN ON THE PLANS ARE THE MAXIMUM PAY WIDTHS FOR PAYMENT PURPOSES.

FERTILIZER NUTRIENTS:

USE A FERTILIZER WITH AN ANALYSIS OF 1:1 RATIO AT THE FOLLOWING RATE PER ACRE:

NITROGEN FERTILIZER NUTRIENT	90 LBS.
POTASSIUM FERTILIZER NUTRIENT	90 LBS.

FERTILIZER IS NOT REQUIRED FOR SEEDING CLASS 3, 4, 4A, 4B, 5A, 5B, AND 7.

THE CONTRACTOR SHALL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH THEIR CONSTRUCTION OPERATIONS, AND AFTER COMPLETION OF ROADWAY CONSTRUCTION, TO SET THEM IN THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE IN CONFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THEIR WORK. ANY WORK THAT IS VANDALIZED OR OTHERWISE DAMAGED AND JUDGED UNACCEPTABLE BY THE ENGINEER SHALL BE REMOVED AND REPLACED.

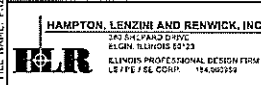
MODEL: Defn.dwg
 FILE NAME: P:\2020\200361\CD\02_Defn\CAD\02_Sheets\200361-Sub-eg-nnotes.dgn

 HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM I.S./P.E. / SE. COMP. 184-000959	USER NAME = ajungermann	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BULL VALLEY ROAD GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SMS	REVISED -			3860	21-00091-00-R5	MCHENRY	24	2
	PLOT SCALE = 2,0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 61J96				
PLOT DATE = 11/1/2023	DATE -	REVISED -	SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED 20% LOCAL ROADWAY 0005 URBAN					
21101615	TOPSOIL FURNISH AND PLACE, 4 INCH	SQ YD	2208	2208					
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50	50					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50	50					
25100115	MULCH, METHOD 2	ACRE	0.75	0.75					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	50					
28000305	TEMPORARY DITCH CHECKS	FOOT	78	78					
28000400	PERIMETER EROSION BARRIER	FOOT	922	922					
35102000	AGGREGATE BASE COURSE, TYPE B, 8"	SQ YD	21	21					
35800200	AGGREGATE BASE REPAIR	TON	336	336					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6163	6163					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	11	11					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	127	127					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-4.75, N50	TON	377	377					
40604062	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX"D", N70	TON	767	767					

* SPECIALTY ITEMS

MODEL Dwg: JLR
 FILE NAME: P:\2020\202016\160002_Dwgs\160002_Sheets\202016_160002_Summary.dwg



USER NAME = ajungermann	DESIGNED -	REVISED -
DRAWN - SMS	REVISOR -	REVISIONS -
PLOT SCALE = 2.1035" / in.	CHECKED -	REVISIONS -
PLOT DATE = 11/1/2023	DATE -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BULL VALLEY ROAD
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE. 3850	SECTION 21-00091-00-RS	COUNTY MCHENRY	TOTAL SHEETS 24	SHEET NO. 3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61196	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED 20% LOCAL ROADWAY 0005 URBAN					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	193	193					
42400800	DETECTABLE WARNINGS	SQ FT	20	20					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	9130	9130					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	15	15					
44000600	SIDEWALK REMOVAL	SQ FT	193	193					
44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	112	112					
44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	112	112					
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	112	112					
48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	184	184					
60604500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (ABUTTING EXISTING PAVEMENT)	FOOT	15	15					
67100100	MOBILIZATION	L SUM	1	1					
70100460	TRAFFIC CONTROL STANDARD 701306	L SUM	1	1					
70102620	TRAFFIC CONTROL STANDARD 701501	L SUM	1	1					
70102622	TRAFFIC CONTROL STANDARD 701502	L SUM	1	1					
70102640	TRAFFIC CONTROL STANDARD 701801	L SUM	1	1					

* SPECIALTY ITEMS

MODEL: Dca-jul
FILE NAME: P:\2020\000361\CAD\02_Division\CADD_Sheets\030361-All-Summary.dwg

HAMPTON, LENZINI AND RENWICK, INC.
 200 S. PEARSON DRIVE
 ELGIN, ILLINOIS 60120
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 124-000759

USER NAME = a.lungermann	DESIGNED -	REVISED -
DRAWN - SMS	CHECKED -	REVISED -
PLOT SCALE = 2.1035" = 1"	DATE -	REVISED -
PLOT DATE = 11/17/2023		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BULL VALLEY ROAD
SUMMARY OF QUANTITIES**

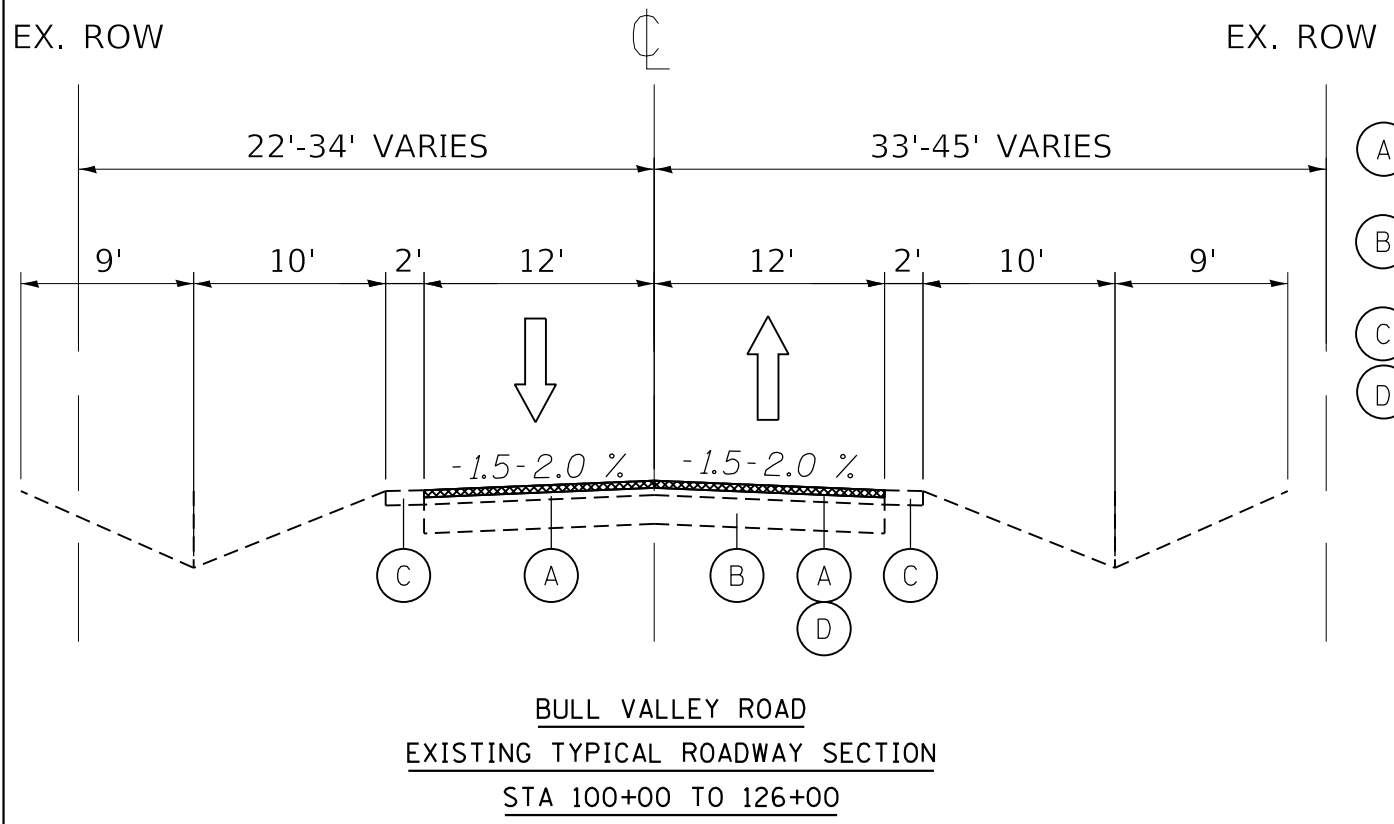
SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 21-00091-00-R5	COUNTY MCHENRY	TOTAL SHEETS 24	SHEET NO. 4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61196	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED 20% LOCAL ROADWAY 0005 URBAN					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	35	35					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1560	1560					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	173	173					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	203	203					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11720	11720					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	972	972					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	81	81					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	53	53					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	41	41					
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1					
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	9	9					
XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1					

* SPECIALTY ITEMS

MODEL: Dwg.rvt
 FILE NAME: P:\2023\202306\1\CA0102_Drawing\CA02_Sheets\2023\1-3860summary.dwg



BULL VALLEY ROAD
EXISTING TYPICAL ROADWAY SECTION
STA 100+00 TO 126+00

EXISTING LEGEND

- (A) EXISTING HMA SURFACE AND BINDER 6.0" +/- TOTAL
- (B) EXISTING AGGREGATE BASE COURSE 12" +/-
- (C) EXISTING AGGREGATE SHOULDER
- (D) HMA SURFACE REMOVAL 2.25"

PROPOSED LEGEND

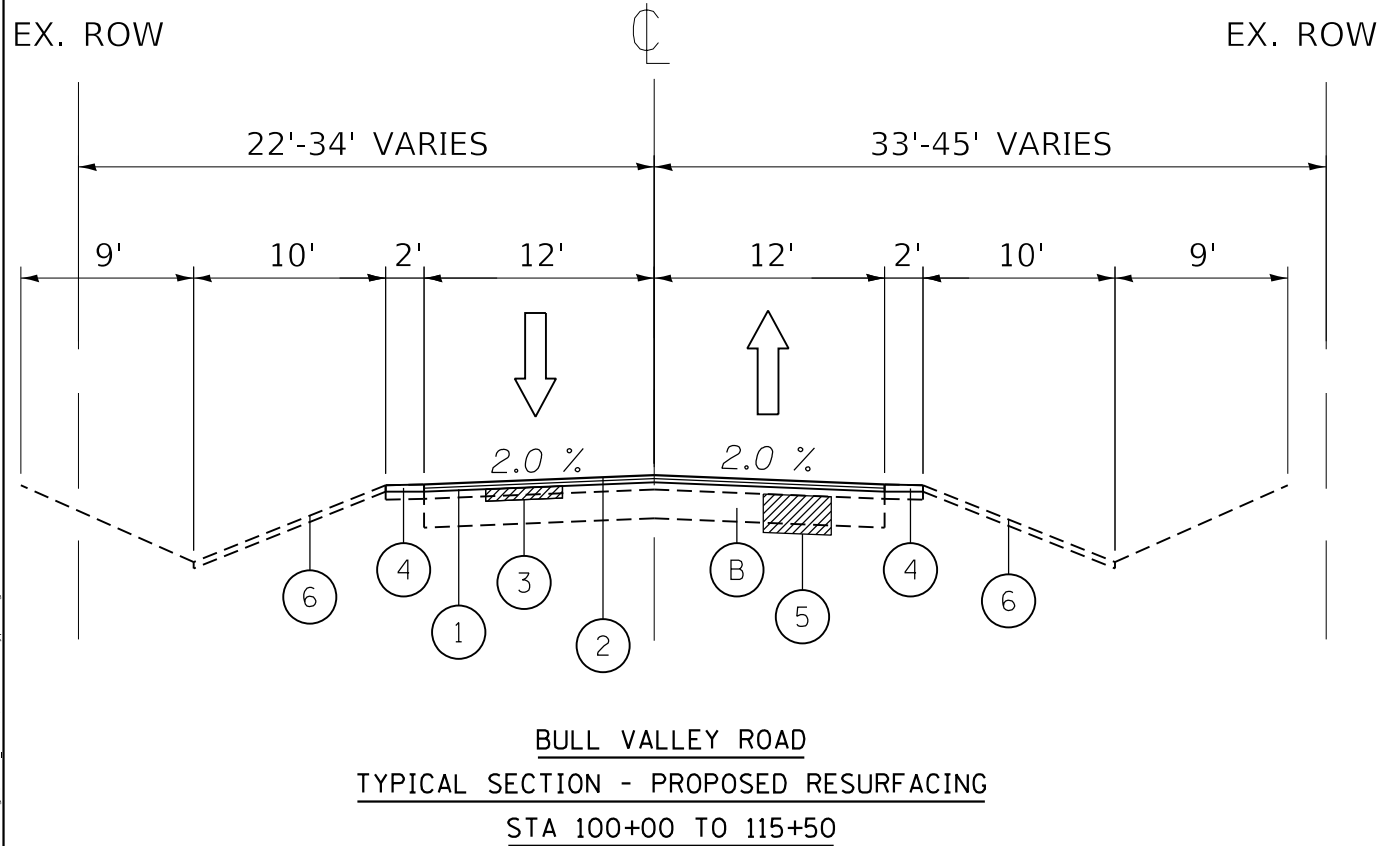
- (1) POLYMERIZED HMA BINDER COURSE, IL-4.75 N50 - 0.75"
- (2) HMA SURFACE COURSE IL 9.5, MIX "D", N70 - 1.5"
- (3) CLASS D PATCHES - 4" (MIN. WIDTH 4')
- (4) AGGREGATE WEDGE SHOULDERS, TYPE B - 2"
- (5) AGGREGATE BASE REPAIR - 18"
- (6) SEEDING, CLASS 2A AND TOPSOIL FURNISH AND PLACE, 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ N _{design}	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	4% @ 70 Gyr.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 Gyr.	LR 1030-2
QMP Designations: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP) <i>SEE NOTE 2</i>		

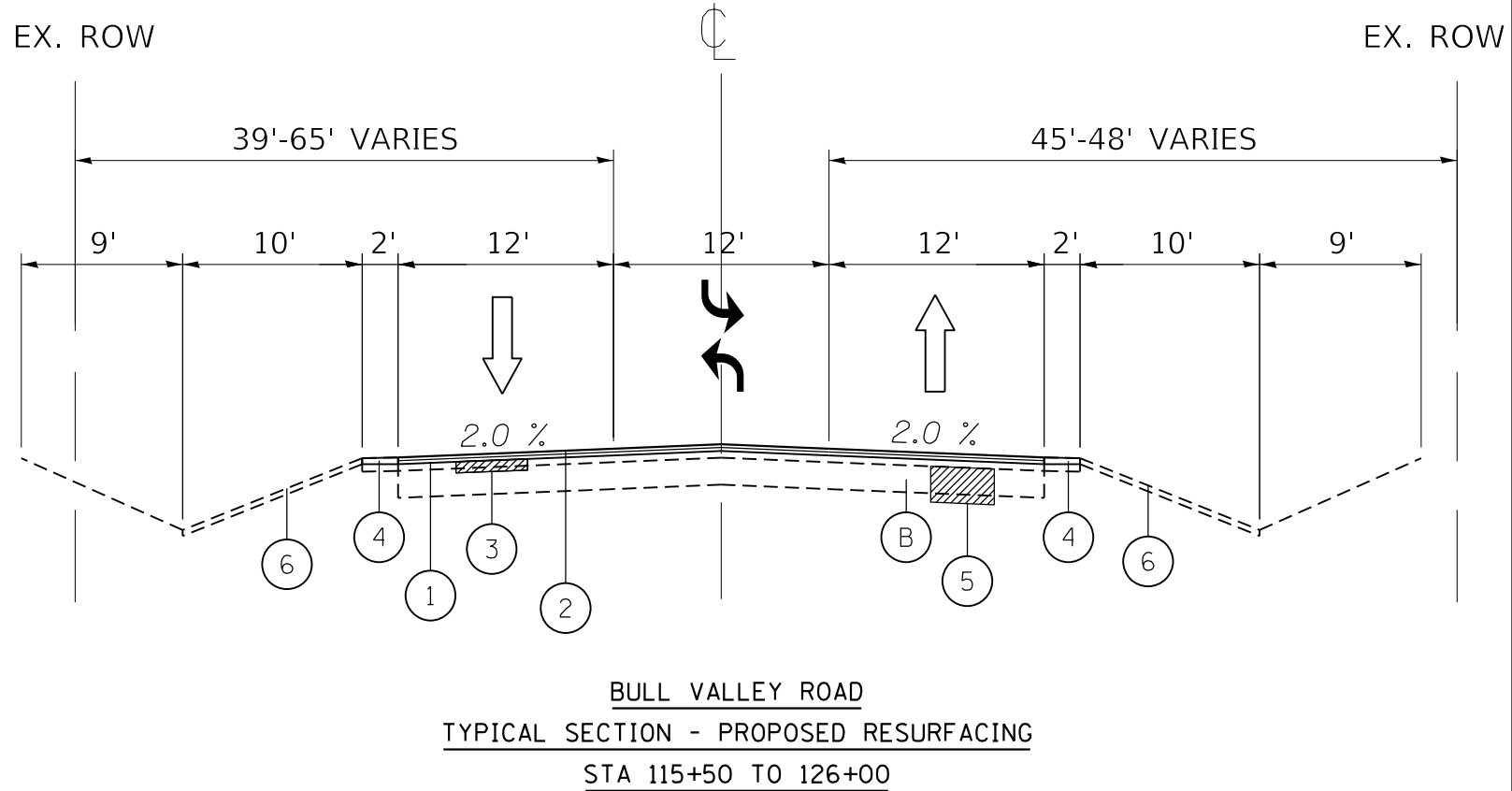
NOTE 1==> THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. THE UNIT WEIGHT USED TO CALCULATE ALL POLYMERIZED HMA BINDER MIXTURE QUANTITIES IS 110 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 64-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 58-28" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

NOTE 2==> LOCAL AGENCY: QMP Designation is Quality Control/Quality Assurance (QC/QA) per LR 1030-2.



BULL VALLEY ROAD
TYPICAL SECTION - PROPOSED RESURFACING
STA 100+00 TO 115+50



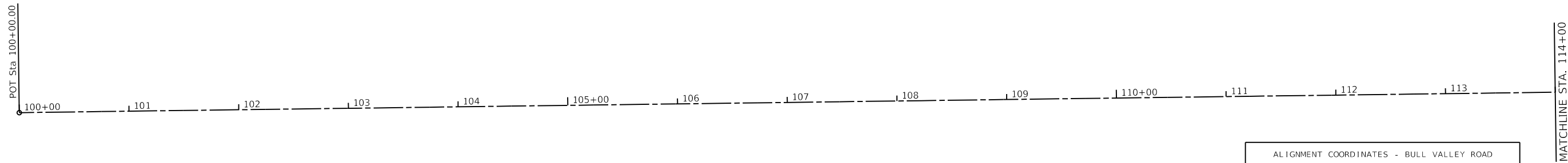
BULL VALLEY ROAD
TYPICAL SECTION - PROPOSED RESURFACING
STA 115+50 TO 126+00

MODEL: D:\s\it...
 FILE: M:\MISC_PLANS\2020\20200315\CM03_Design\CADD_Sheets\200315-1-2-1-1.dwg

Hampton, Lenzini and Renwick, Inc. Civil Engineers • Structural Engineers Land Surveyors • Environmental Services HLR 386 SHEPARD DRIVE ELGIN, ILLINOIS 60120 847.897.6700 www.hlrengineering.com ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION	USER NAME = ajungermann	DESIGNED - CNC	REVISED -
	PLOT SCALE = 20.0000 ' / in.	DRAWN - CNC	REVISED -
	PLOT DATE = 11/1/2023	CHECKED - AAJ	REVISED -
		DATE - 04/29/2021	REVISED -

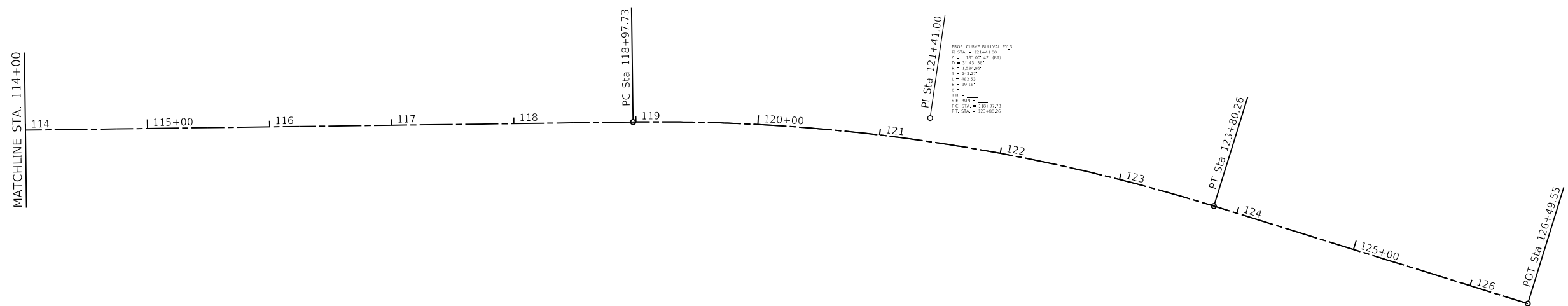
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BULL VALLEY ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL SECTIONS		3860	21-00091-00-R5	MCHENRY	24	6
SCALE: 1"=20'		SHEET 1 OF 1 SHEETS		STA. 100+00 TO STA. 111+50		CONTRACT NO. 61J96
ILLINOIS FED. AID PROJECT						



ALIGNMENT COORDINATES - BULL VALLEY ROAD			
BULLVALLEY	STATION	N	E
POB	100+00.00	2059464.2442	989950.1286
PC	118+97.73	2059489.5772	991847.6908
PI	121+41.00	2059492.8246	992090.9422
PT	123+80.26	2059420.6968	992323.2769
POT	126+49.55	2059340.8569	992580.4531

PROP. CURVE BULLVALLEY_3
 PI STA. = 121+41.00
 $\Delta = 18^{\circ} 00' 42''$ (RT)
 $D = 3^{\circ} 43' 58''$
 $R = 1,534.95'$
 $T = 243.27'$
 $L = 482.53'$
 $E = 19.16'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 118+97.73$
 $P.T. STA. = 123+80.26$



MODEL D:\d\h\11
 FILE NAME: P:\2020\20200361\cadd\02_Draft\CADD_Sheets\200361-ctch-ATB01.dgn

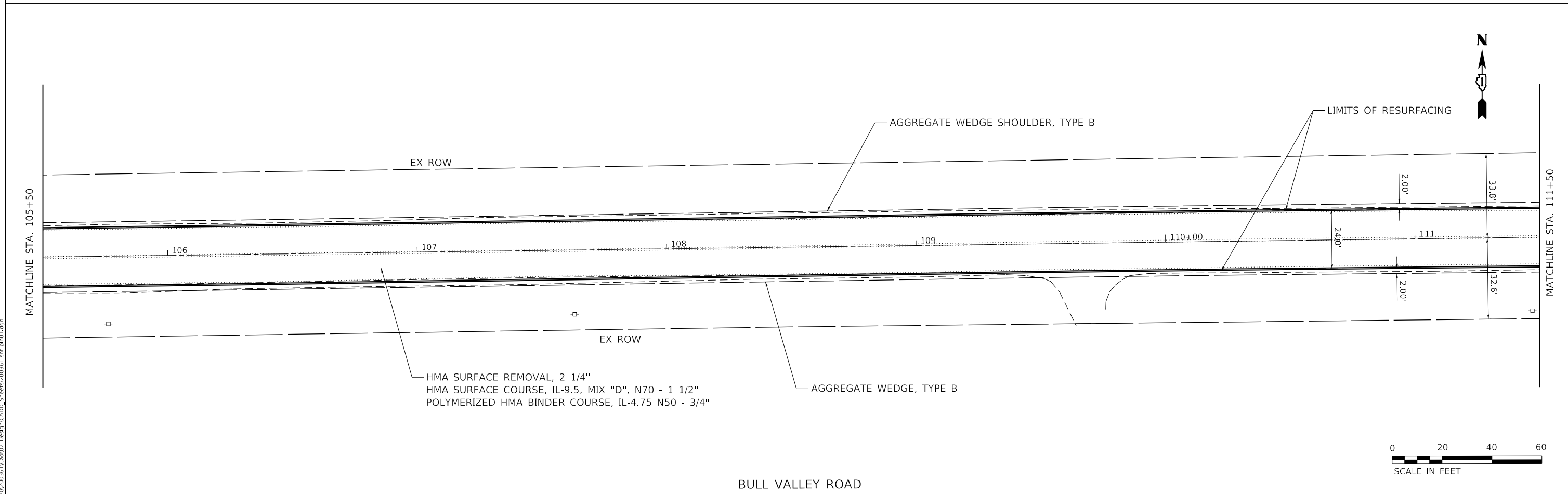
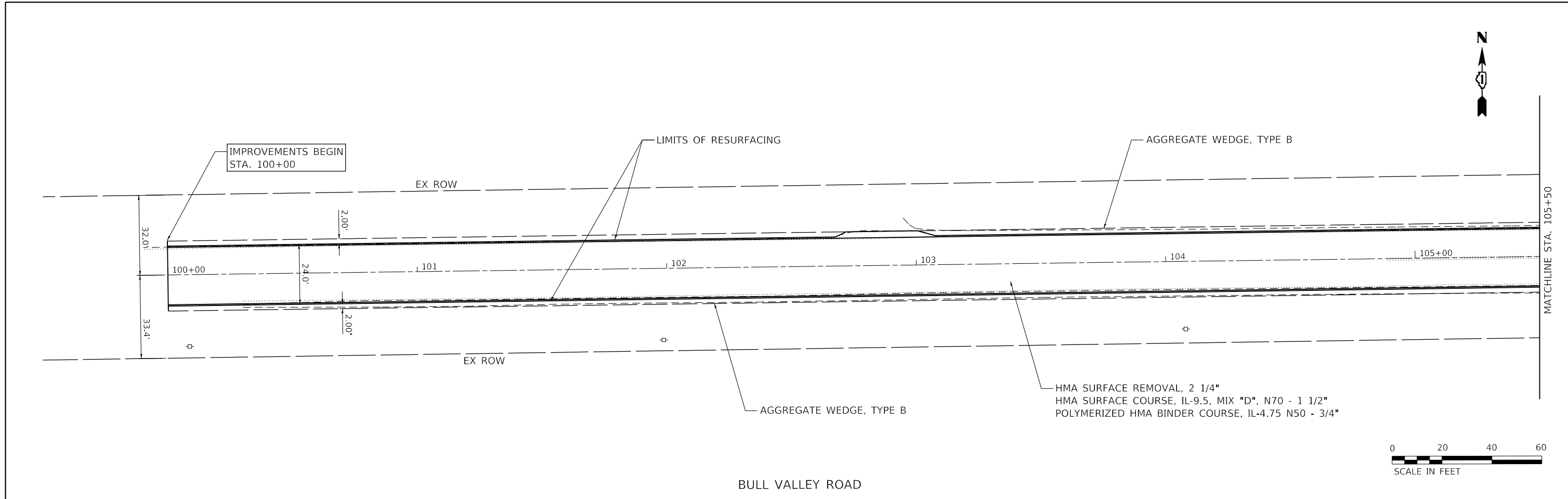
 380 SHEPARD DRIVE ELGIN, ILLINOIS 60120 847.697.6700 www.hlrengineering.com ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION	USER NAME = ajungermann	DESIGNED - AAJ	REVISED -
	PLOT SCALE = 100,0000' / in.	DRAWN - AAJ	REVISIED -
	PLOT DATE = 11/1/2023	CHECKED - ---	REVISIED -
		DATE - ---	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BULL VALLEY ROAD
 ALIGNMENT & TIES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	7
CONTRACT NO. 61J96				
		ILLINOIS	FED. AID PROJECT	



MODEL: D:\d\h\l
 FILE NAME: P:\2020\20200361\cadd\02_Design\CADD_Sheets\200361-Sub-0101.dgn

Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Structural Engineers
 Land Surveyors - Environmental Services

 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 TEL: 847.897.6700 www.hlrengineering.com
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

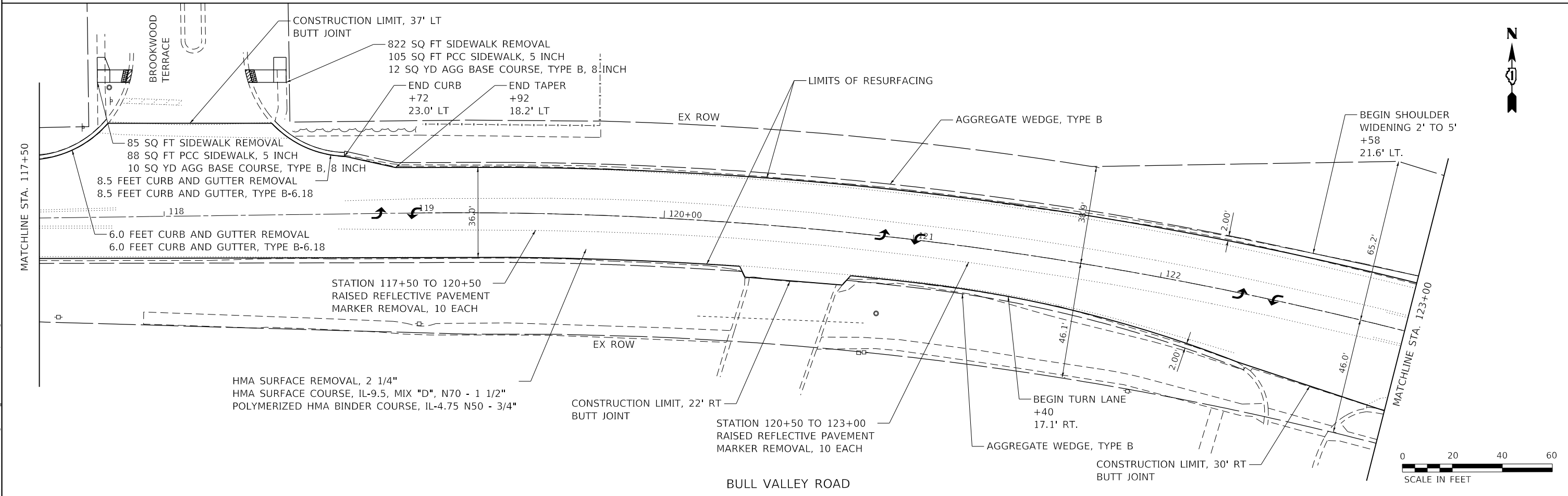
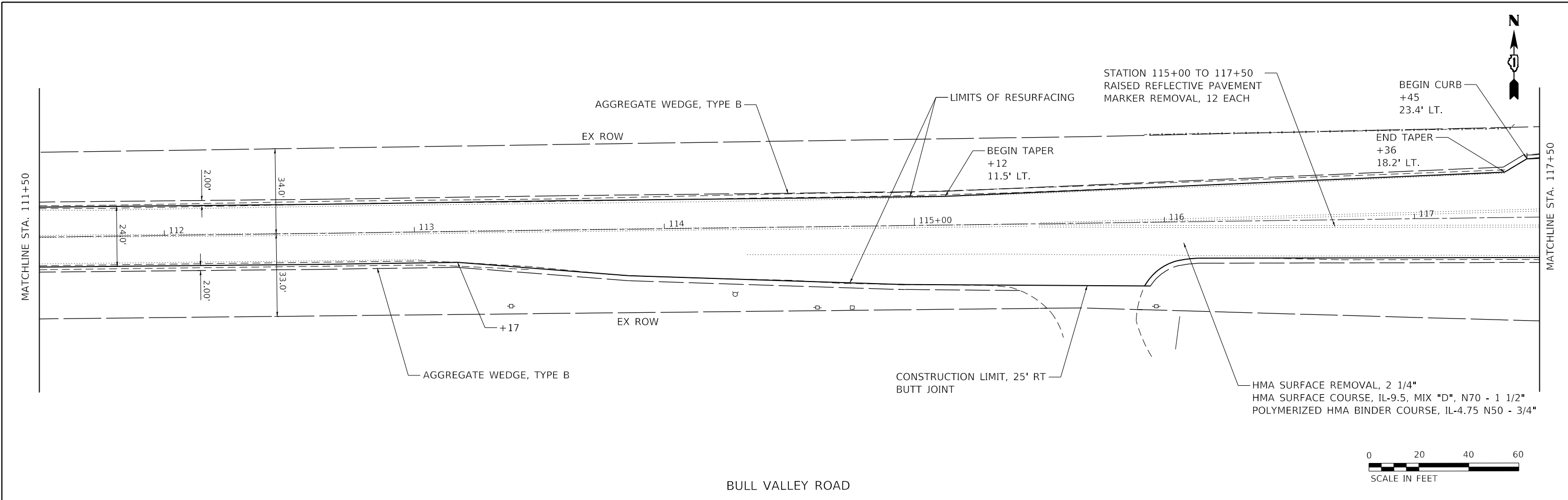
USER NAME =	ajungermann	DESIGNED -	CNC	REVISED -	
DRAWN -	CNC	REVISIONS -		REVISIONS -	
PLOT SCALE =	40.0000' / in.	CHECKED -	AAJ	REVISIONS -	
PLOT DATE =	11/1/2023	DATE -	04/29/2021	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BULL VALLEY ROAD
PLAN SHEET

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 100+00 TO STA. 111+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-RS	MCHENRY	24	8
CONTRACT NO. 61J96				
ILLINOIS FED. AID PROJECT				



MODEL: D:\dms\11
 FILE NAME: P:\2020\20200361\cadd\03_Design\CADD_Sheets\200361_sch-rh03.dgn

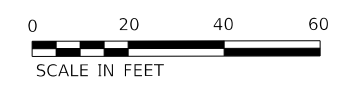
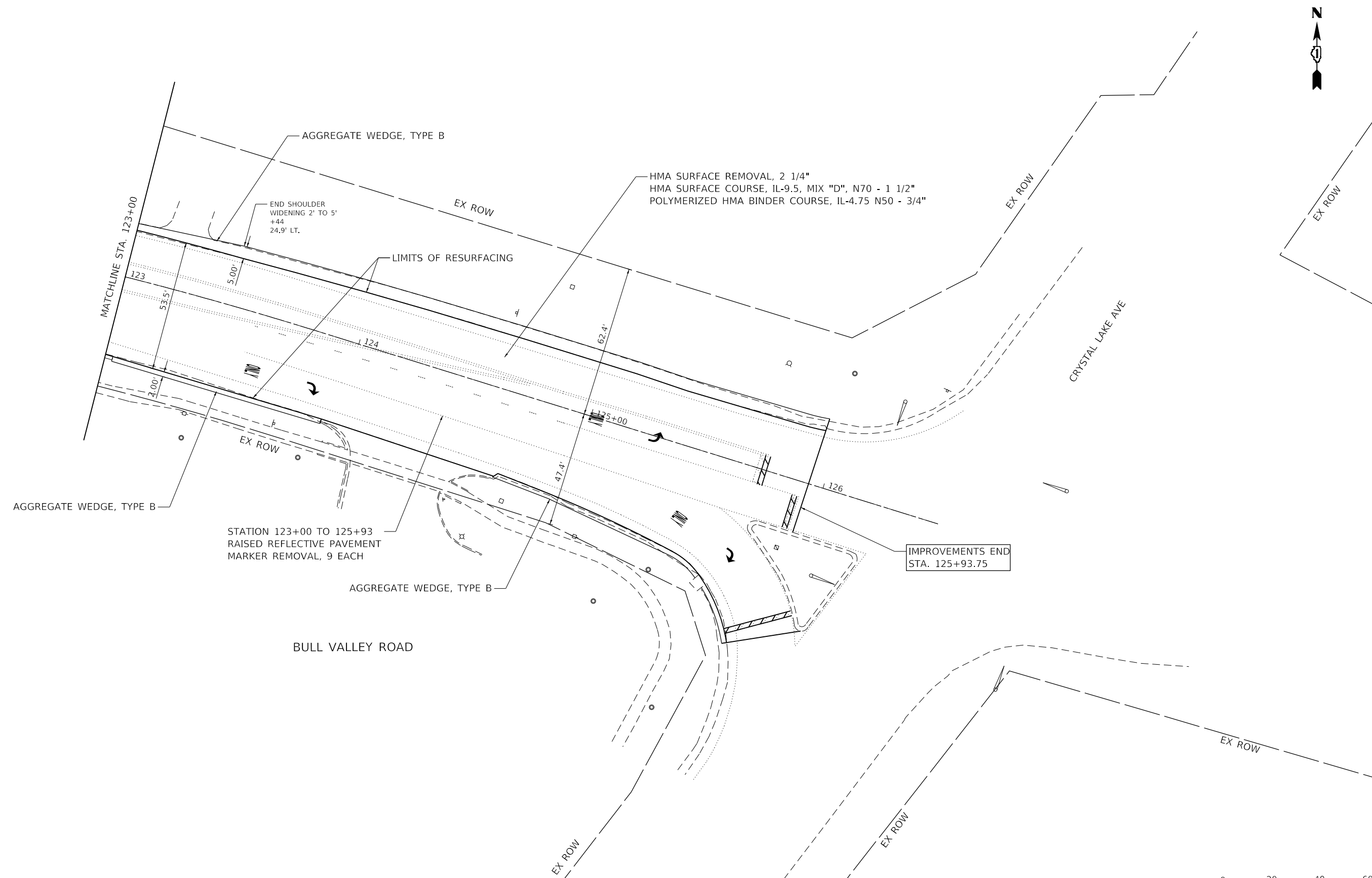
Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Structural Engineers
 Land Surveyors - Environmental Services
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.687.6700 www.hlrengineering.com
 ILLINOIS PROFESSIONAL DESIGN FIRM (S) / P.E. / GE CORPORATION

USER NAME =	ajungermann	DESIGNED -	CNC	REVISED -	
DRAWN -	CNC	REVISIONS -			
PLOT SCALE =	40.0000' / in.	CHECKED -	AAJ	REVISED -	
PLOT DATE =	11/1/2023	DATE -	04/29/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BULL VALLEY ROAD PLAN SHEET	
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS STA. 111+50 TO STA. 123+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	9
CONTRACT NO. 61J96			ILLINOIS FED. AID PROJECT	



MODEL: D:\p101\11\2021\11-1-2021\BullValleyRoad\11-1-2021\BullValleyRoad.dwg
 FILE NAME: P:\2021\11-1-2021\BullValleyRoad\11-1-2021\BullValleyRoad.dwg

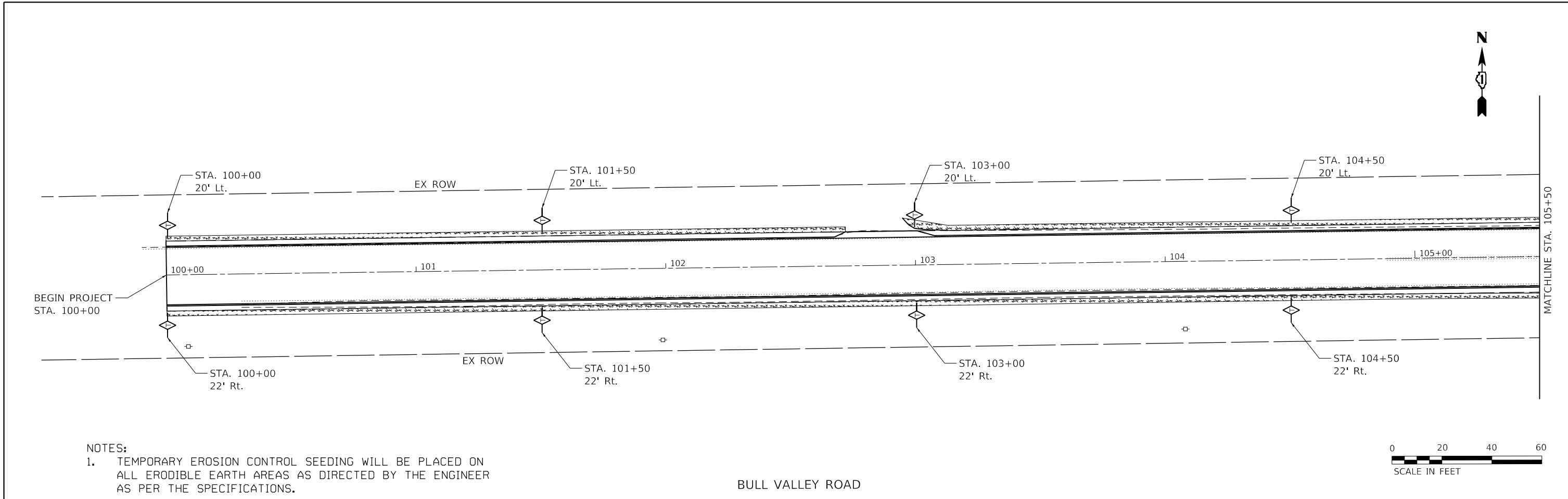
Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Structural Engineers
 Land Surveyors - Environmental Services
HLR 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 TEL: 847.697.6700 WWW.HLRINC.COM
 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

USER NAME =	ajungermann	DESIGNED -	CNC	REVISED -	
DRAWN -	CNC	REVISIONS -			
PLOT SCALE =	40.0000' / in.	CHECKED -	AAJ	REVISED -	
PLOT DATE =	11/1/2023	DATE -	04/29/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

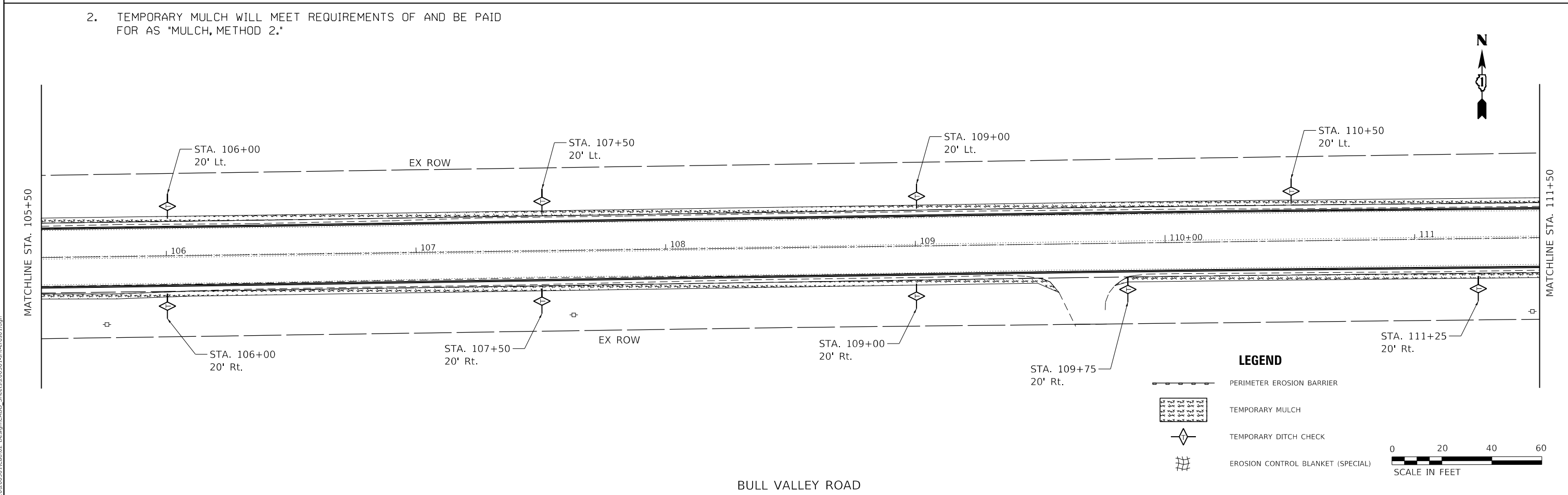
BULL VALLEY ROAD PLAN SHEET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1" = 20' SHEET 3 OF 3 SHEETS		3860	21-00091-00-R5	MCHENRY	24	10
STA. 123+00 TO STA. 126+00		CONTRACT NO. 61J96				

ILLINOIS		FED. AID PROJECT	
----------	--	------------------	--



- NOTES:
- TEMPORARY EROSION CONTROL SEEDING WILL BE PLACED ON ALL ERODIBLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS PER THE SPECIFICATIONS.

BULL VALLEY ROAD



- TEMPORARY MULCH WILL MEET REQUIREMENTS OF AND BE PAID FOR AS "MULCH, METHOD 2."

BULL VALLEY ROAD

MODEL Dwg: HLR - 2023020202003615 - Cadd02 - DredgingCADD_Sheets/2003615 - ErosionC1.dwg

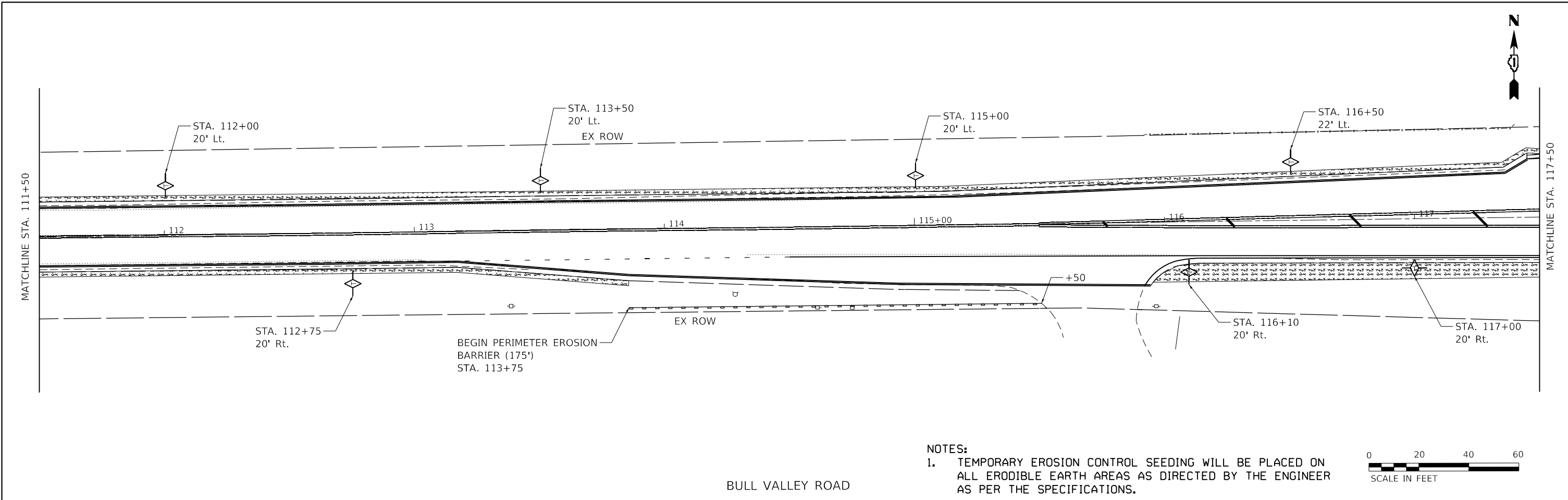
Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Structural Engineers
 Land Surveyors - Environmental Services
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.687.6700 www.hlrrengneering.com
 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

USER NAME =	ajungermann	DESIGNED -	AAJ	REVISED -	
		DRAWN -	AAJ	REVISED -	
PLOT SCALE =	40.0000" / in.	CHECKED -	---	REVISED -	
PLOT DATE =	11/1/2023	DATE -	---	REVISED -	

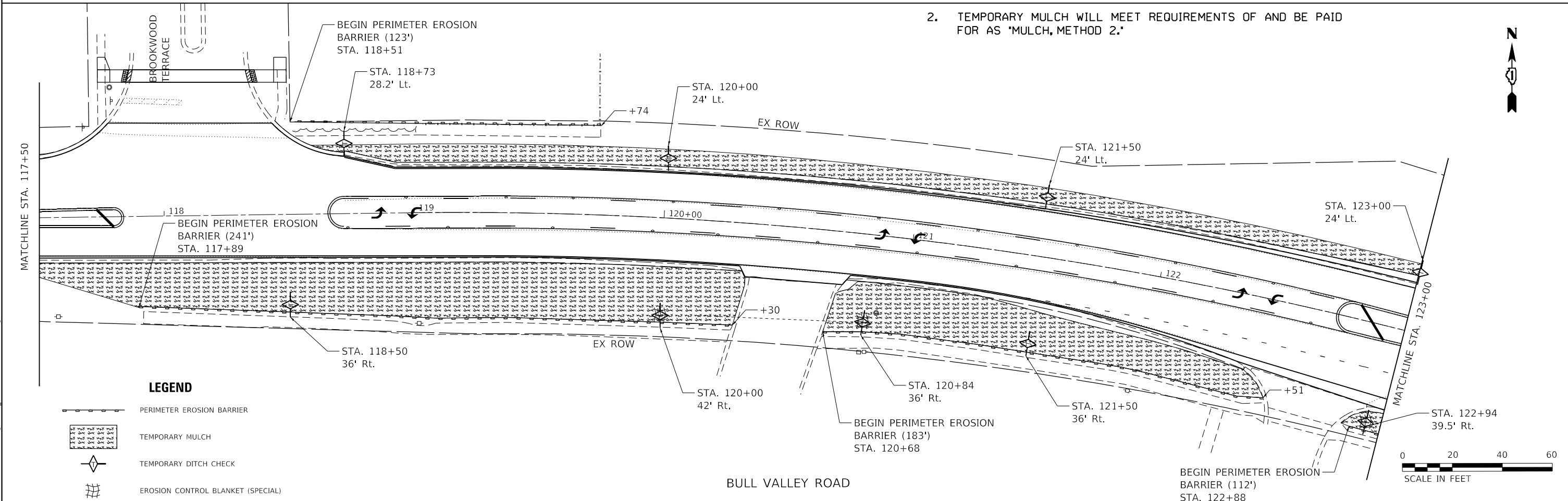
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BULL VALLEY ROAD SOIL EROSION AND SEDIMENT CONTROL		
SCALE: 1"=20'	SHEET 1	OF 3 SHEETS
STA. 100+00	TO STA. 111+50	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	11
CONTRACT NO. 61J96				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. TEMPORARY EROSION CONTROL SEEDING WILL BE PLACED ON ALL ERODIBLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS PER THE SPECIFICATIONS.
 2. TEMPORARY MULCH WILL MEET REQUIREMENTS OF AND BE PAID FOR AS 'MULCH, METHOD 2.'



- LEGEND**
- PERIMETER EROSION BARRIER
 - TEMPORARY MULCH
 - TEMPORARY DITCH CHECK
 - EROSION CONTROL BLANKET (SPECIAL)



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BULL VALLEY ROAD
SOIL EROSION AND SEDIMENT CONTROL**

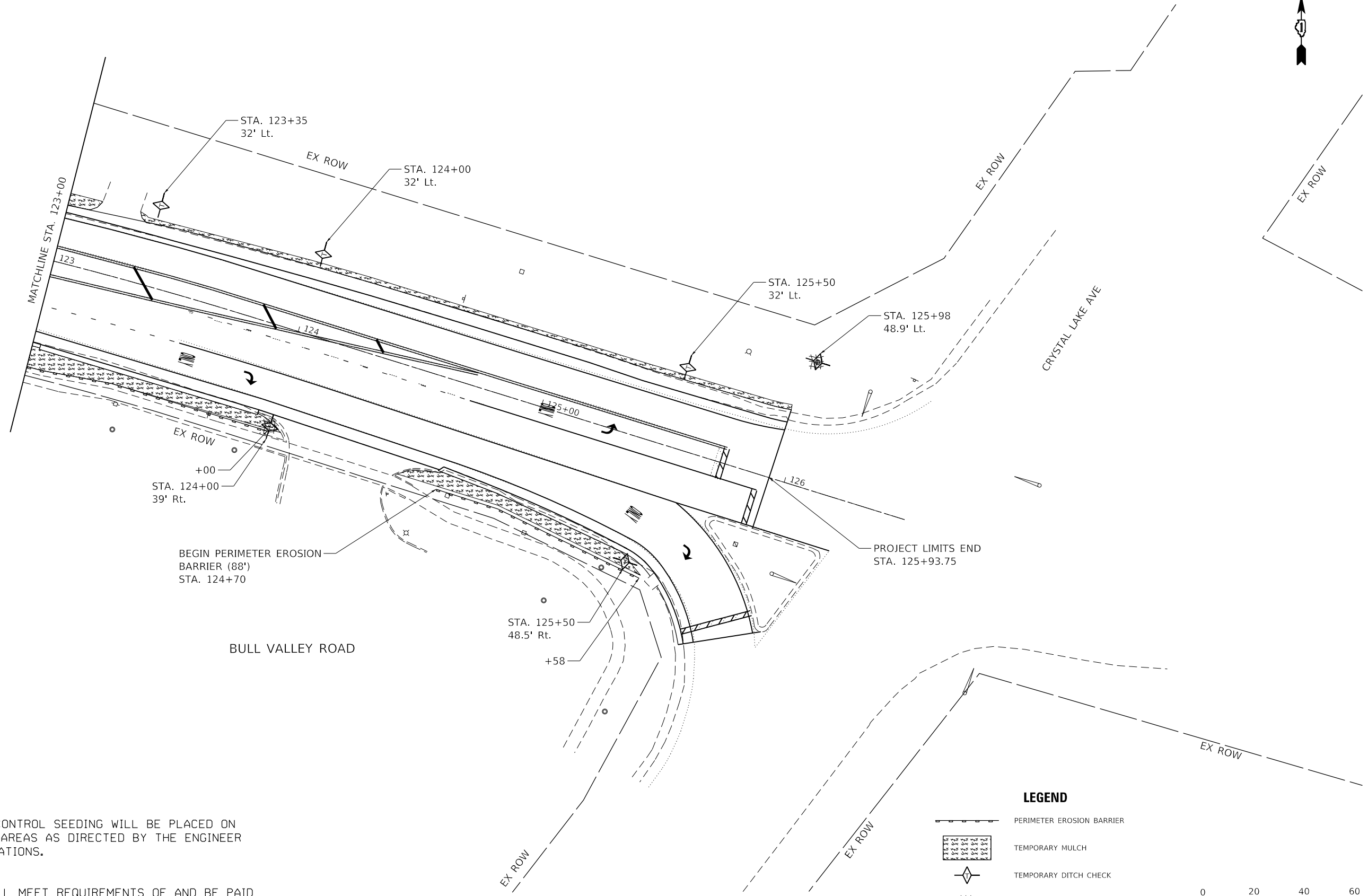
SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 111+50 TO STA. 123+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	12
CONTRACT NO. 61J96			ILLINOIS FED. AID PROJECT	

MODEL: D:\p1\111111\111111\CADD_Sheets\200361\ch-eros02.dwg

Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Professional Engineers
 Land Surveyors - Environmental Services
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60120
 847.687.6700 www.hlrreng.com
 ILLINOIS PROFESSIONAL DESIGN FIRM (S) / P.E. IN CORPORATION

USER NAME =	ajungermann	DESIGNED -	AAJ	REVISED -	
DRAWN -	AAJ	REVISED -		REVISED -	
PLOT SCALE =	40.0000 ' / in.	CHECKED -		REVISED -	
PLOT DATE =	11/1/2023	DATE -		REVISED -	

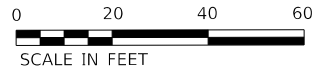


NOTES:

1. TEMPORARY EROSION CONTROL SEEDING WILL BE PLACED ON ALL ERODIBLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS PER THE SPECIFICATIONS.
2. TEMPORARY MULCH WILL MEET REQUIREMENTS OF AND BE PAID FOR AS "MULCH, METHOD 2."

LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY MULCH
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET (SPECIAL)



MODEL: D:\6111...
 FILE: 6111...
 PROJECT: 21-00091-00-R5

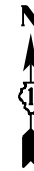
Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Professional Engineers
 Land Surveyors - Environmental Services
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.687.6700 www.hlrreng.com
 ILLINOIS PROFESSIONAL DESIGN FIRM (S/PE) - GE CORPORATION

USER NAME =	ajungermann	DESIGNED -	AAJ	REVISED -	
		DRAWN -	AAJ	REVISED -	
PLOT SCALE =	40.0000 "/in.	CHECKED -	---	REVISED -	
PLOT DATE =	11/1/2023	DATE -	---	REVISED -	

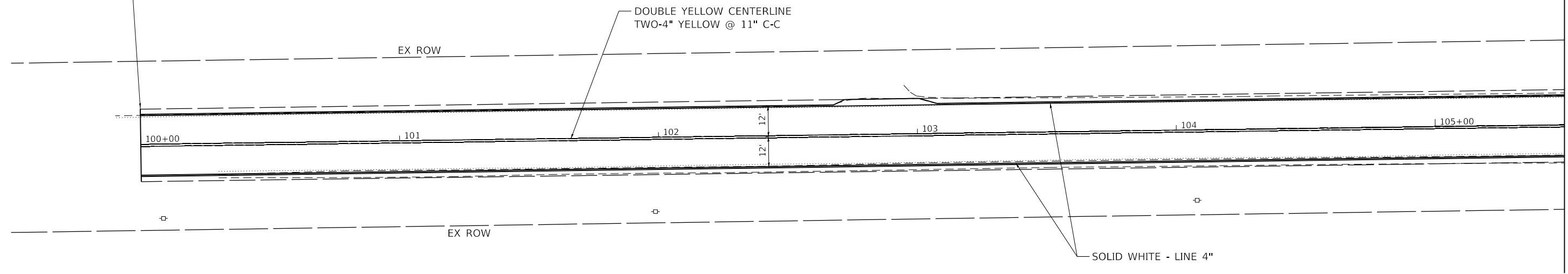
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BULL VALLEY ROAD SOIL EROSION AND SEDIMENT CONTROL			
SCALE: 1" = 20'	SHEET 3	OF 3	SHEETS
STA. 123+00	TO STA. 126+00		

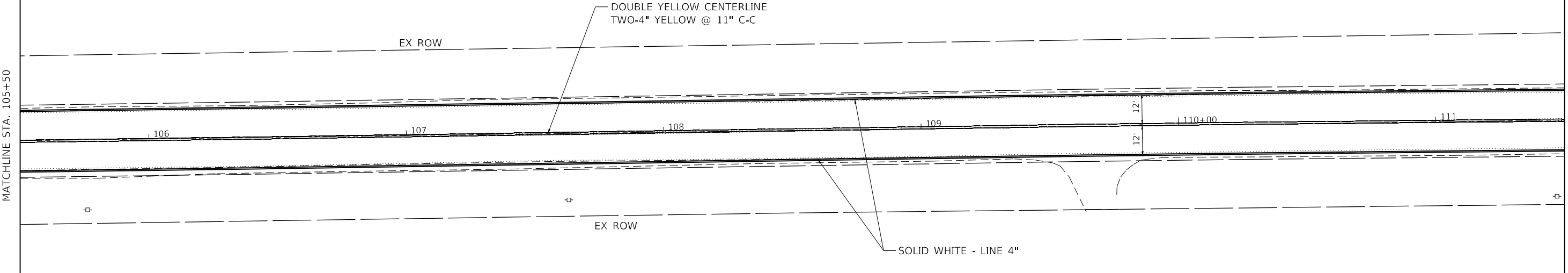
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61196	



BEGIN IMPROVEMENTS
STA. 100+00



BULL VALLEY ROAD



BULL VALLEY ROAD

MODEL: D:\mch\11-2023\21-00091-00-RS\CADD_Sheets\200361-Sub-CADD\01.dgn

Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Professional Engineers
 Land Surveyors - Environmental Services
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.697.6700 www.hlrengineering.com
 ILLINOIS PROFESSIONAL DESIGN FIRM (S) / PE / GE CORPORATION

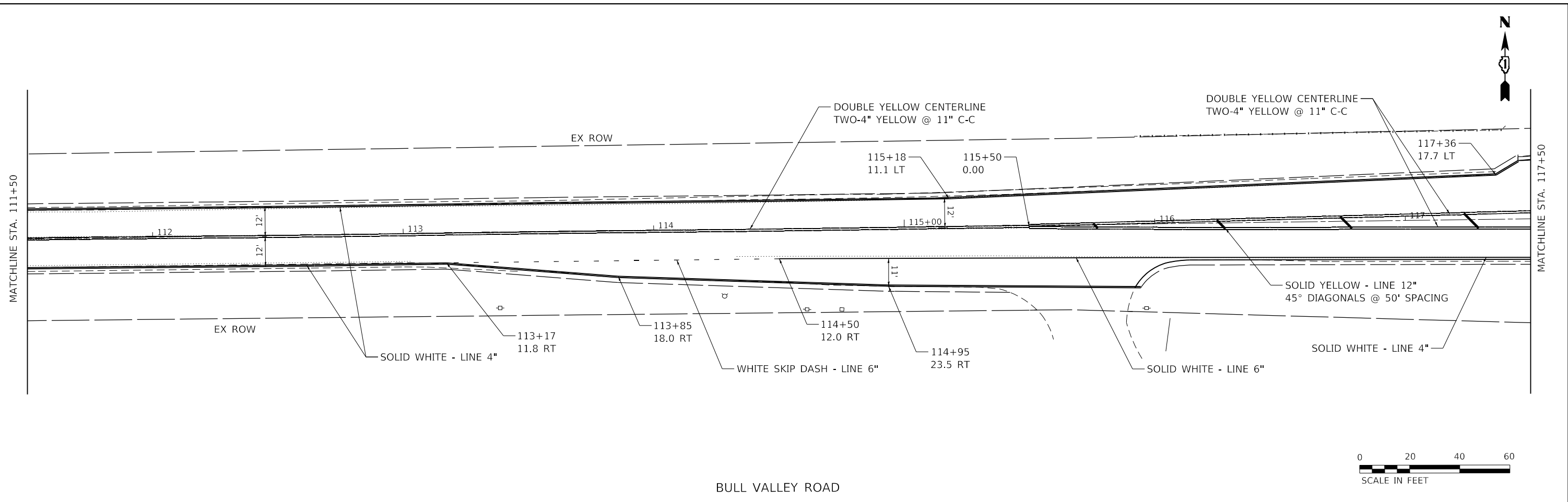
USER NAME =	ajungermann	DESIGNED -	CNC	REVISED -	
DRAWN -	CNC	REVISOR -		REVISION -	
PLOT SCALE =	40.0000 ' / in.	CHECKED -	AAJ	REVISOR -	
PLOT DATE =	11/1/2023	DATE -	04/29/2021	REVISOR -	

CITY OF MCHENRY

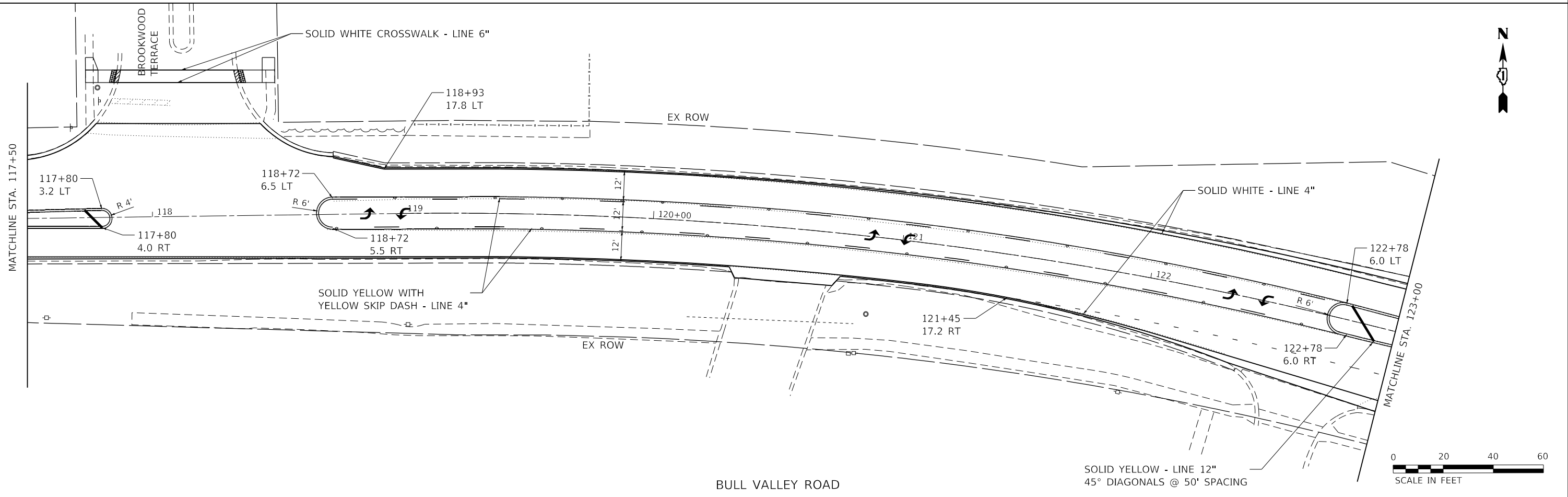
**BULL VALLEY ROAD
PAVEMENT MARKINGS**

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 100+00 TO STA. 111+50

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-RS	MCHENRY	24	14
CONTRACT NO. 61J96				
ILLINOIS FED. AID PROJECT				



BULL VALLEY ROAD



BULL VALLEY ROAD

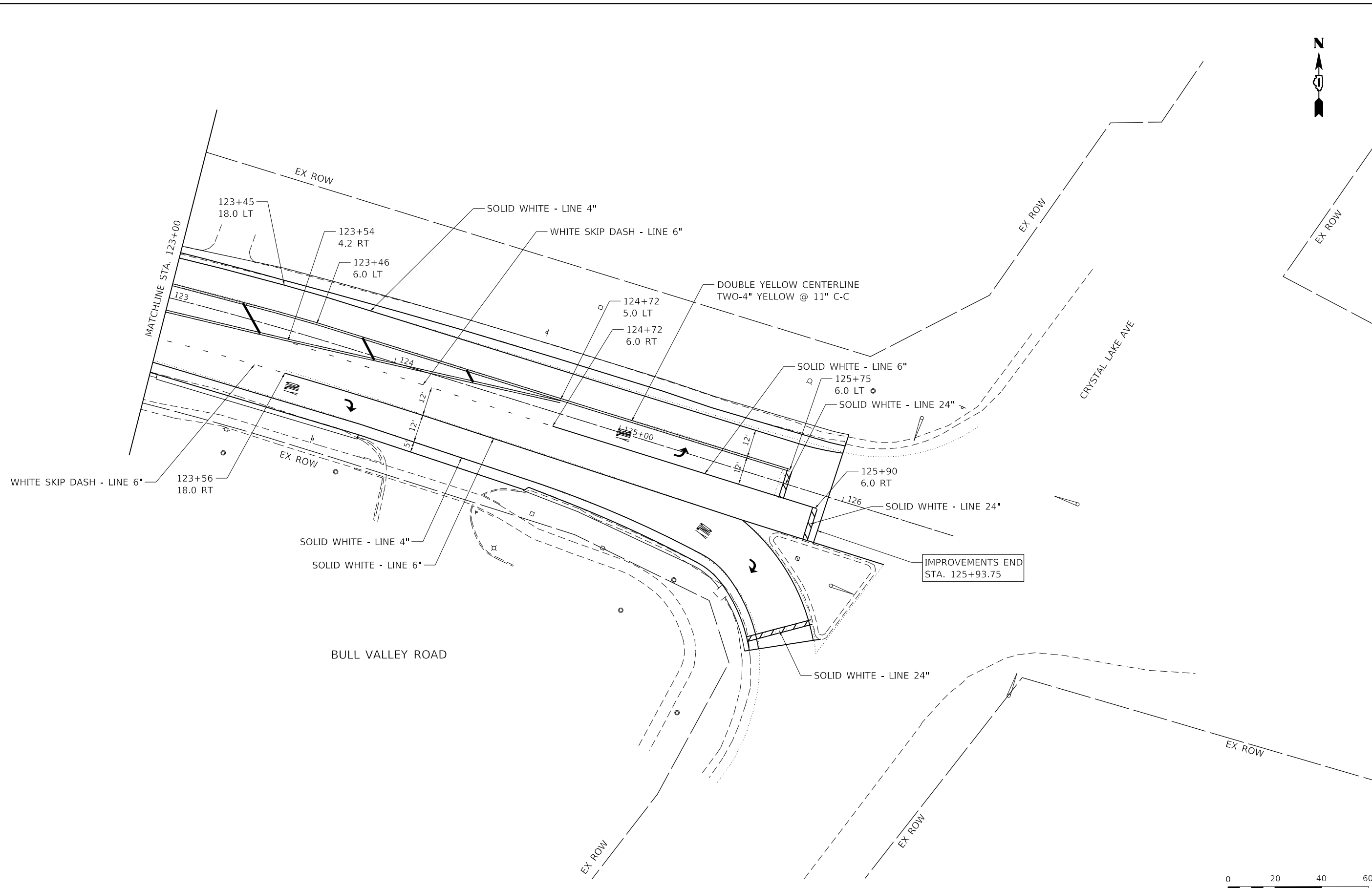
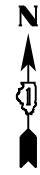
MODEL: D:\p1\11-2023\20230326\11Cm02_Design\CADD_Sheets\202361-Sub-01.dwg
 FILE NAME: P:\2023\20230326\11Cm02_Design\CADD_Sheets\202361-Sub-01.dwg

Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Professional Engineers
 Land Surveyors - Environmental Services
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.687.6700 www.hlrengineering.com
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE CORPORATION

USER NAME =	ajungermann	DESIGNED -	CNC	REVISED -	
DRAWN -	CNC	REVISED -			
CHECKED -	AAJ	REVISED -			
DATE -	04/29/2021	REVISED -			
PLOT SCALE =	40.0000" / in.				
PLOT DATE =	11/1/2023				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BULL VALLEY ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PAVEMENT MARKINGS		3860	21-00091-00-R5	MCHENRY	24	15
SCALE: 1"=20'		SHEET 2 OF 3 SHEETS		STA. 111+50 TO STA. 123+00		CONTRACT NO. 61J96
ILLINOIS FED. AID PROJECT						



IMPROVEMENTS END
STA. 125+93.75



MODEL: D:\a\h\h...
FILE NAME: P:\2022\20220305\1\Crnl02_Design\CADD_Sheets\202306\ch-cmk-02.dgn

Hampton, Lenzini and Renwick, Inc.
Civil Engineers - Structural Engineers
Land Surveyors - Environmental Services
HLR 380 SHEPARD DRIVE
E. GLEN, ILLINOIS 60123
(815) 209-8999 847.687.6700 www.hlr-engineering.com
ILLINOIS PROFESSIONAL DESIGN FIRM (S) / P.E. / GE CORPORATION

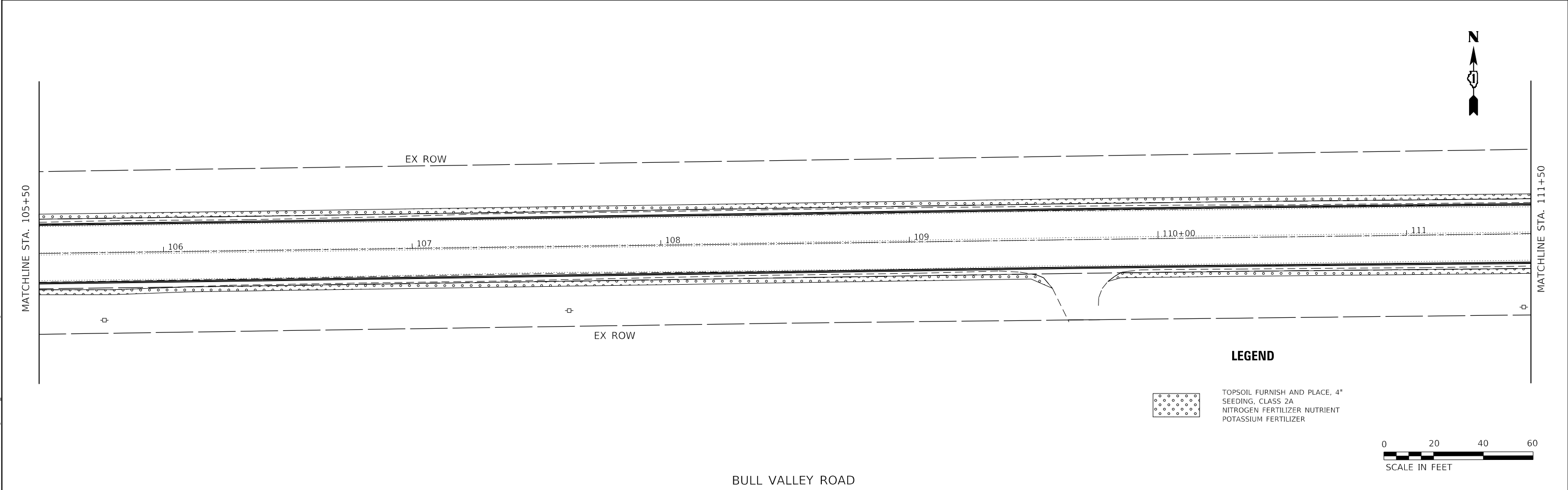
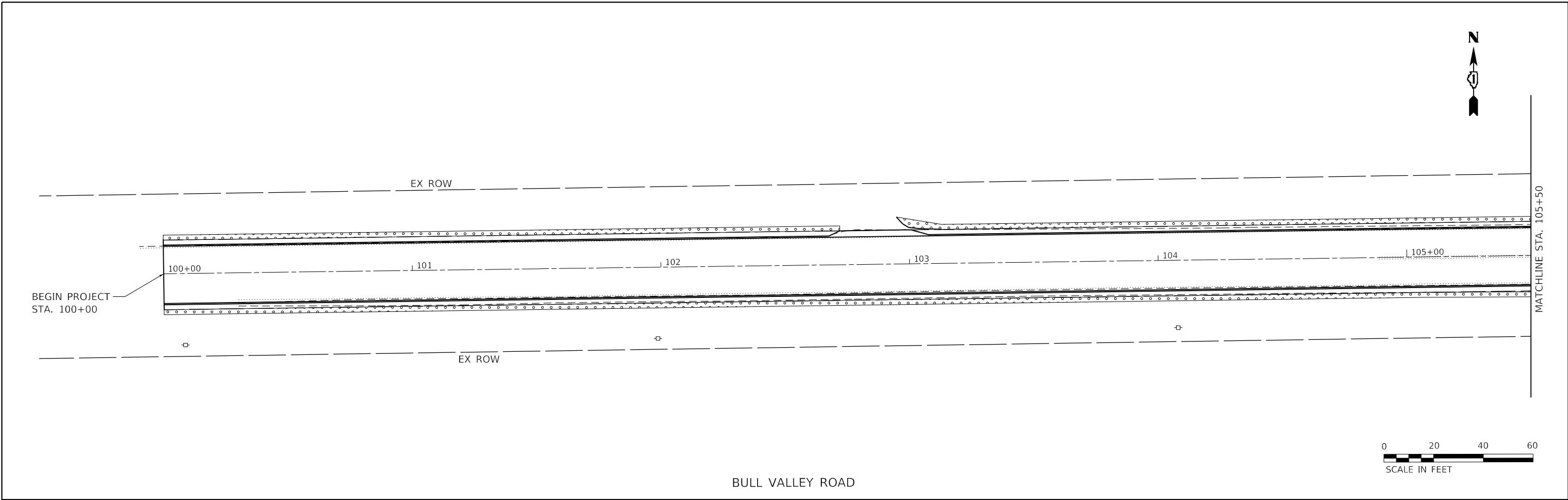
USER NAME =	ajungermann	DESIGNED -	CNC	REVISED -	
DRAWN -	CNC	REVISIONS -			
PLOT SCALE =	40.0000 ' / in.	CHECKED -	AAJ	REVISED -	
PLOT DATE =	11/1/2023	DATE -	04/29/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


BULL VALLEY ROAD
PAVEMENT MARKINGS

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 123+00 TO STA. 126+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	16
CONTRACT NO. 61J96			ILLINOIS FED. AID PROJECT	



LEGEND

	TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER
---------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

MODEL: D:\p1\11\2023\20230315\111150\111150.dwg
 FILE: 111150.dwg
 PLOT DATE: 11/1/2023

Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Professional Engineers
 Land Surveyors - Environmental Services

 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.697.6700 www.hlr-engineering.com
 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / GE CORPORATION

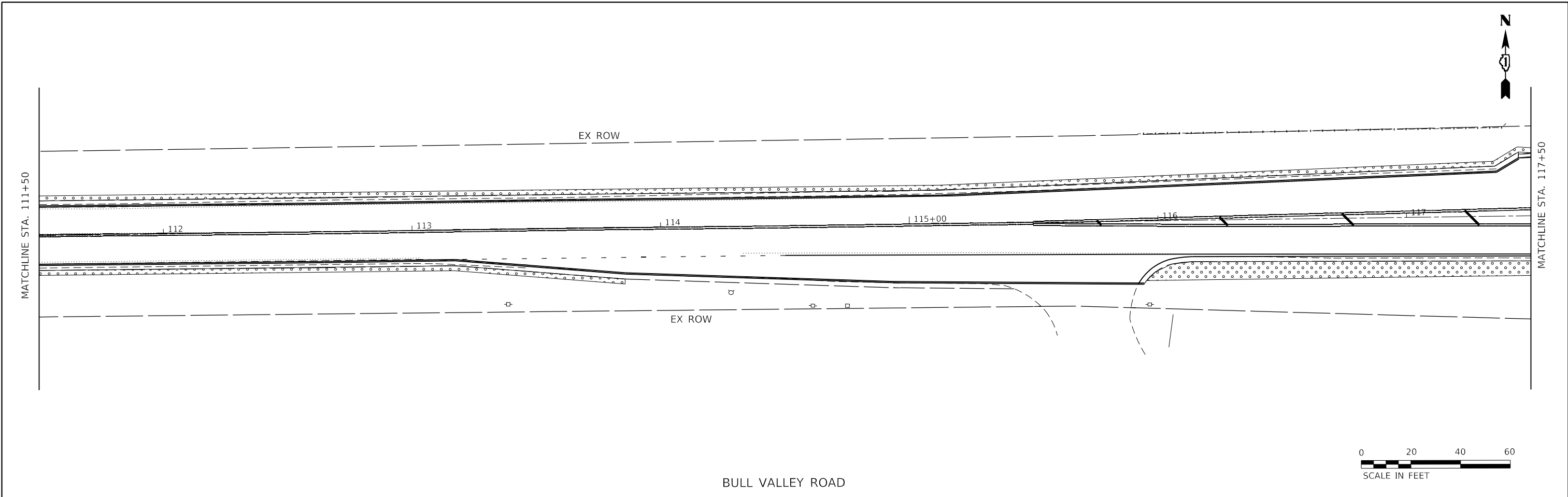
USER NAME =	ajungermann	DESIGNED -	AAJ	REVISED -	
DRAWN -	AAJ	REVISIONS -			
PLOT SCALE =	40.0000' / in.	CHECKED -	---	REVISED -	
PLOT DATE =	11/1/2023	DATE -	---	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

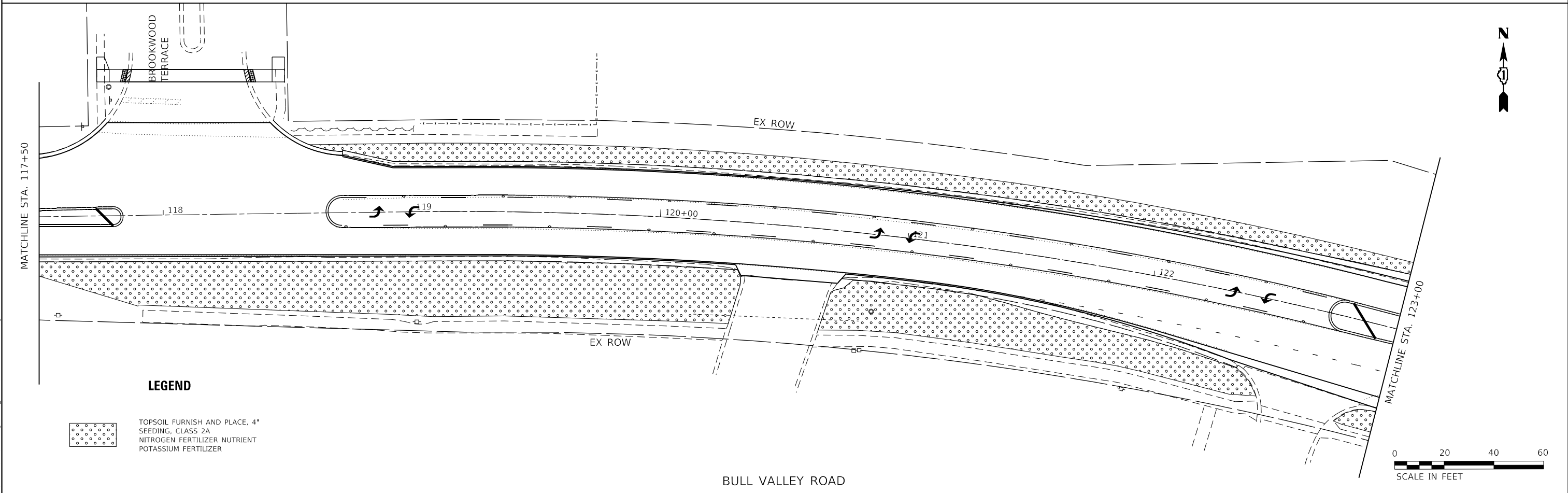
BULL VALLEY ROAD
LANDSCAPING PLAN

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 100+00 TO STA. 111+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-RS	MCHENRY	24	17
				CONTRACT NO. 61J96
		ILLINOIS	FED. AID PROJECT	



BULL VALLEY ROAD



BULL VALLEY ROAD

LEGEND

- TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 2A
- NITROGEN FERTILIZER NUTRIENT
- POTASSIUM FERTILIZER

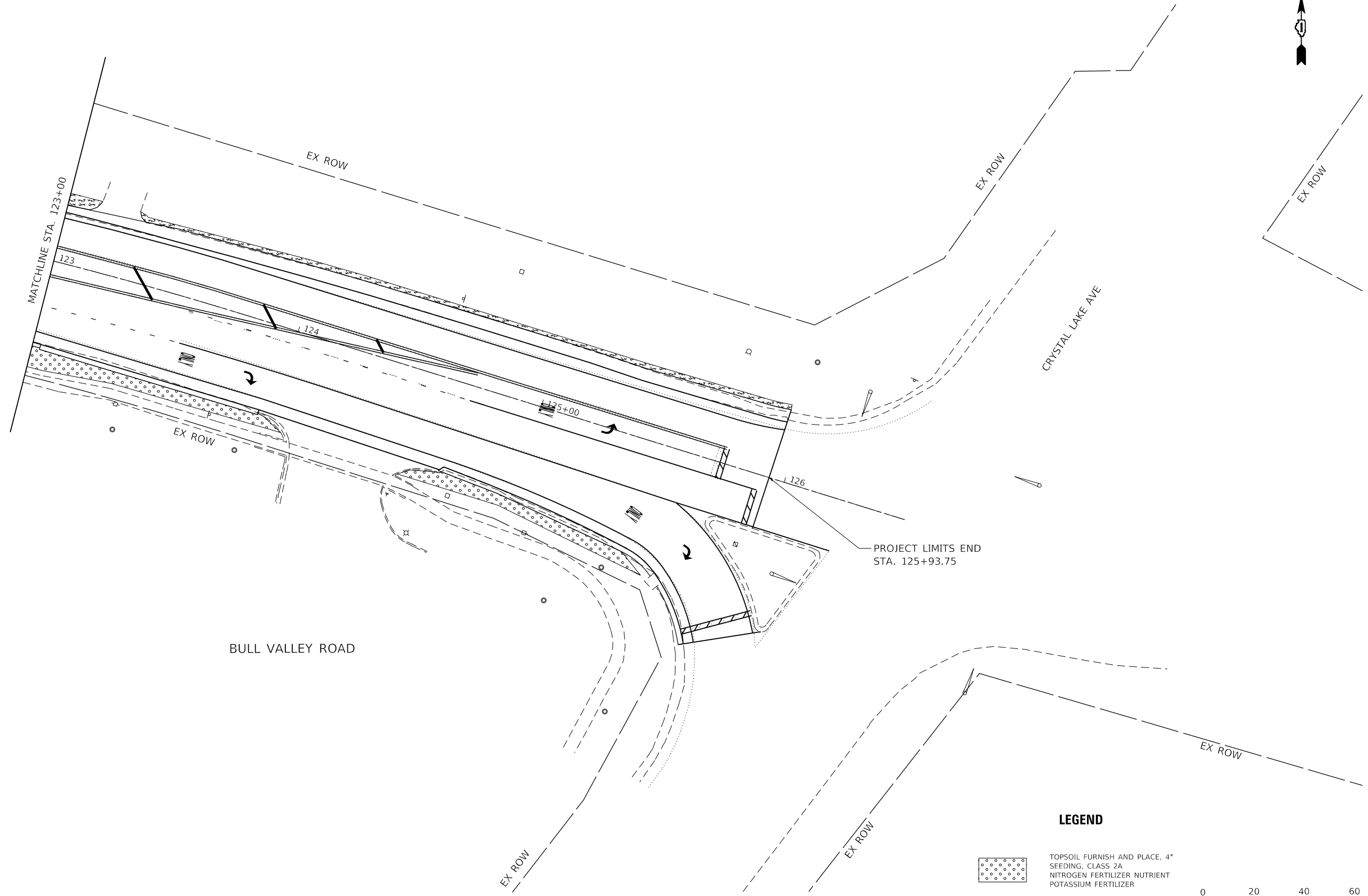
MODEL: D:\p1\112023\20230315\112023_CADD_Sheets\20230315_Land02.dwg
 FILE NAME: P:\20230315\112023_CADD_Sheets\20230315_Land02.dwg

Hampton, Lenzini and Renwick, Inc.
 Civil Engineers - Professional Engineers
 Land Surveyors - Environmental Services
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 TEL: 847.687.6700 www.hlrreng.com
 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / GE CORPORATION


USER NAME =	ajungermann	DESIGNED -	AAJ	REVISED -	
		DRAWN -	AAJ	REVISED -	
PLOT SCALE =	40.0000' / in.	CHECKED -	---	REVISED -	
PLOT DATE =	11/1/2023	DATE -	---	REVISED -	

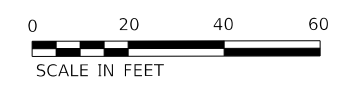
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BULL VALLEY ROAD LANDSCAPING PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		3860	21-00091-00-R5	MCHENRY	24	18
SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 111+50 TO STA. 123+00		CONTRACT NO. 61J96 ILLINOIS FED. AID PROJECT				



LEGEND

 TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER



MODEL: D:\p1\112023\11202303\112023031\112023031\112023031.dwg
 FILE: 112023031.dwg
 PLOT DATE: 11/1/2023

Hampton, Lenzini and Renwick, Inc.
 Civil Engineers • Architectural Engineers
 Land Surveyors • Environmental Services
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 (815) 209-8900 847.687.6700 www.hlrengineering.com
 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

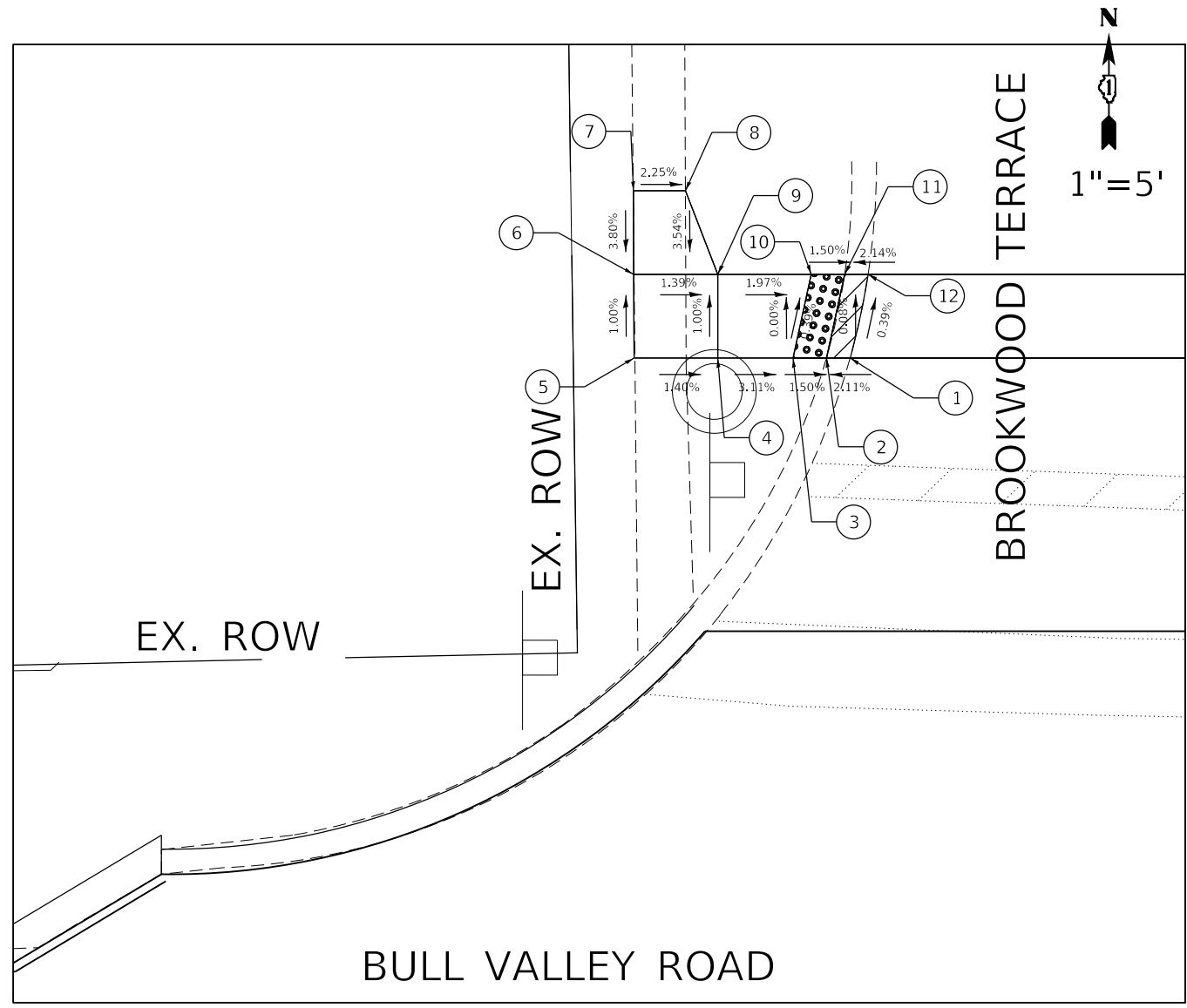
USER NAME =	ajungermann	DESIGNED -	AAJ	REVISED -	
DRAWN -	AAJ	REVISIONS -			
PLOT SCALE =	40.0000 "/in.	CHECKED -	---	REVISED -	
PLOT DATE =	11/1/2023	DATE -	---	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

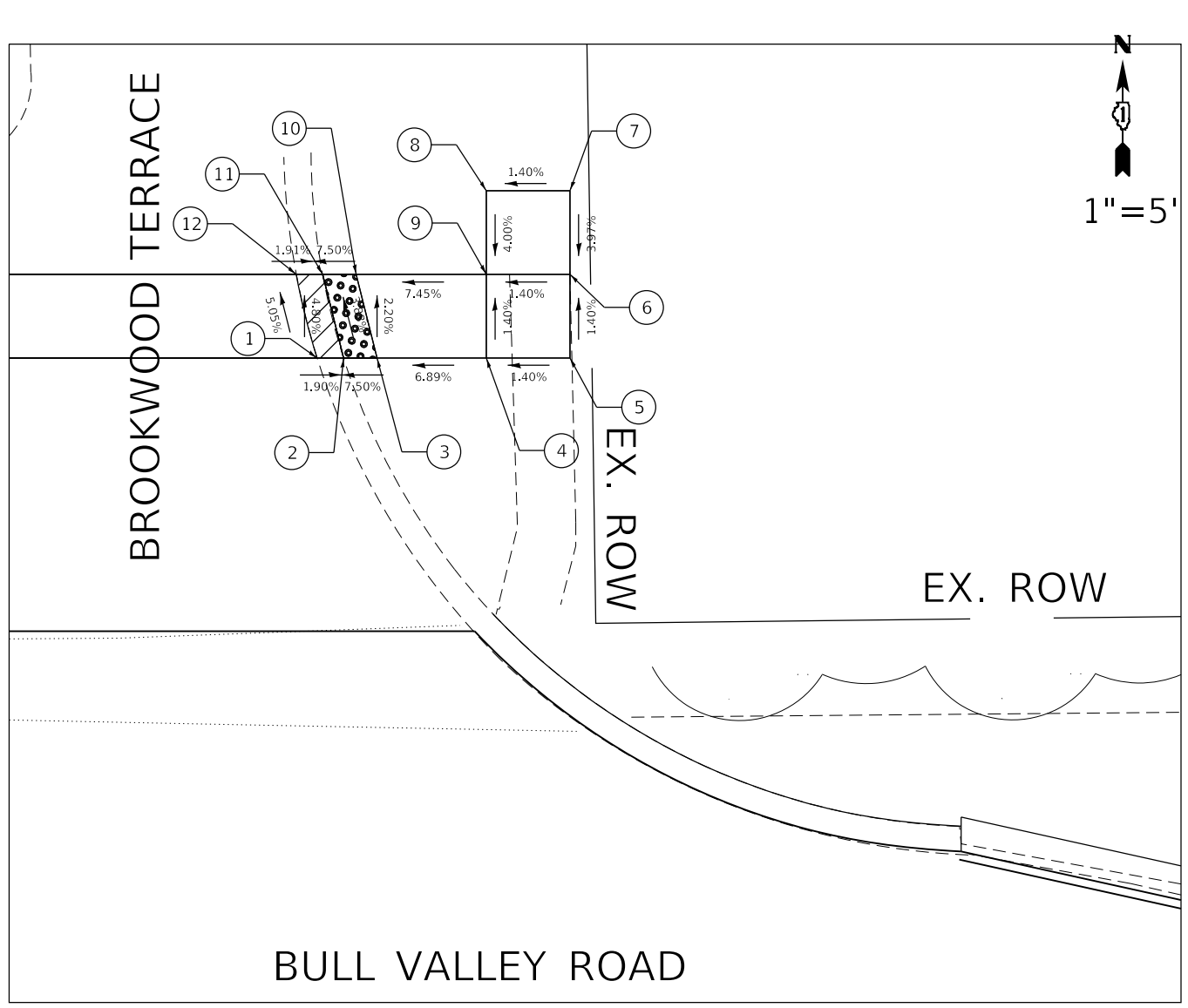
BULL VALLEY ROAD
LANDSCAPING PLAN

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 123+00 TO STA. 126+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	19
			CONTRACT NO. 61J96	
			ILLINOIS FED. AID PROJECT	



Point	Station	Offset	Elevation
1	117+86.87	53.68 Lt	815.76
2	117+85.46	53.70 Lt	815.73
3	117+83.46	53.73 Lt	815.76
4	117+78.96	53.79 Lt	815.90
5	117+73.96	53.85 Lt	815.97
6	117+74.00	58.85 Lt	815.92
7	117+74.05	63.85 Lt	816.11
8	117+77.16	63.81 Lt	816.04
9	117+79.03	58.79 Lt	815.85
10	117+84.61	58.71 Lt	815.74
11	117+86.61	58.68 Lt	815.71
12	117+88.01	58.67 Lt	815.74



POINT	STATION	OFFSET	ELEVATION
1	118+34.35	53.04 Lt	816.20
2	118+35.93	53.03 Lt	816.17
3	118+37.93	53.00 Lt	816.32
4	118+44.46	52.91 Lt	816.77
5	118+49.46	52.84 Lt	816.84
6	118+49.53	57.81 Lt	816.77
7	118+49.60	62.84 Lt	816.97
8	118+44.6	62.91 Lt	816.90
9	118+44.53	57.91 Lt	816.70
10	118+36.74	58.02 Lt	816.12
11	118+34.74	58.04 Lt	815.97
12	118+33.17	58.31 Lt	815.94

NOTES
 CROSS SLOPE BETWEEN POINTS 1-12, 2-11,
 AND CROSS SLOPE BETWEEN POINTS 3-10
 ARE DESIGNED TO MAXIMUM EXTENT
 PRACTICABLE

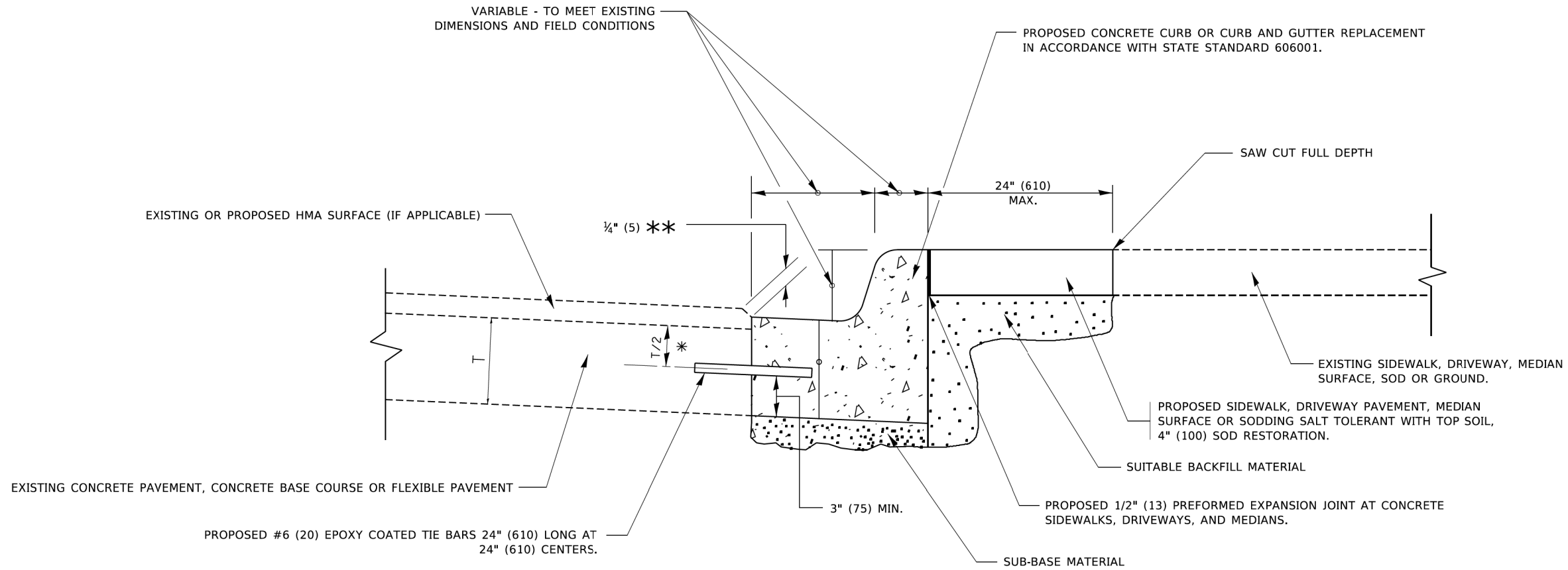
MODEL: D:\a\j\117+73.96\117+73.96.dwg
 FILE NAME: P:\2020\20200361\117+73.96.dwg
 USER: AAJ
 DATE: 11/1/2023

USER NAME = ajungermann	DESIGNED - AAJ	REVISED -
DRAWN - AAJ	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/1/2023	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BULL VALLEY ROAD INTERSECTION DETAILS			
SCALE:	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J96	



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

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

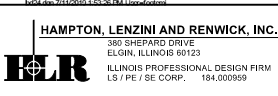
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

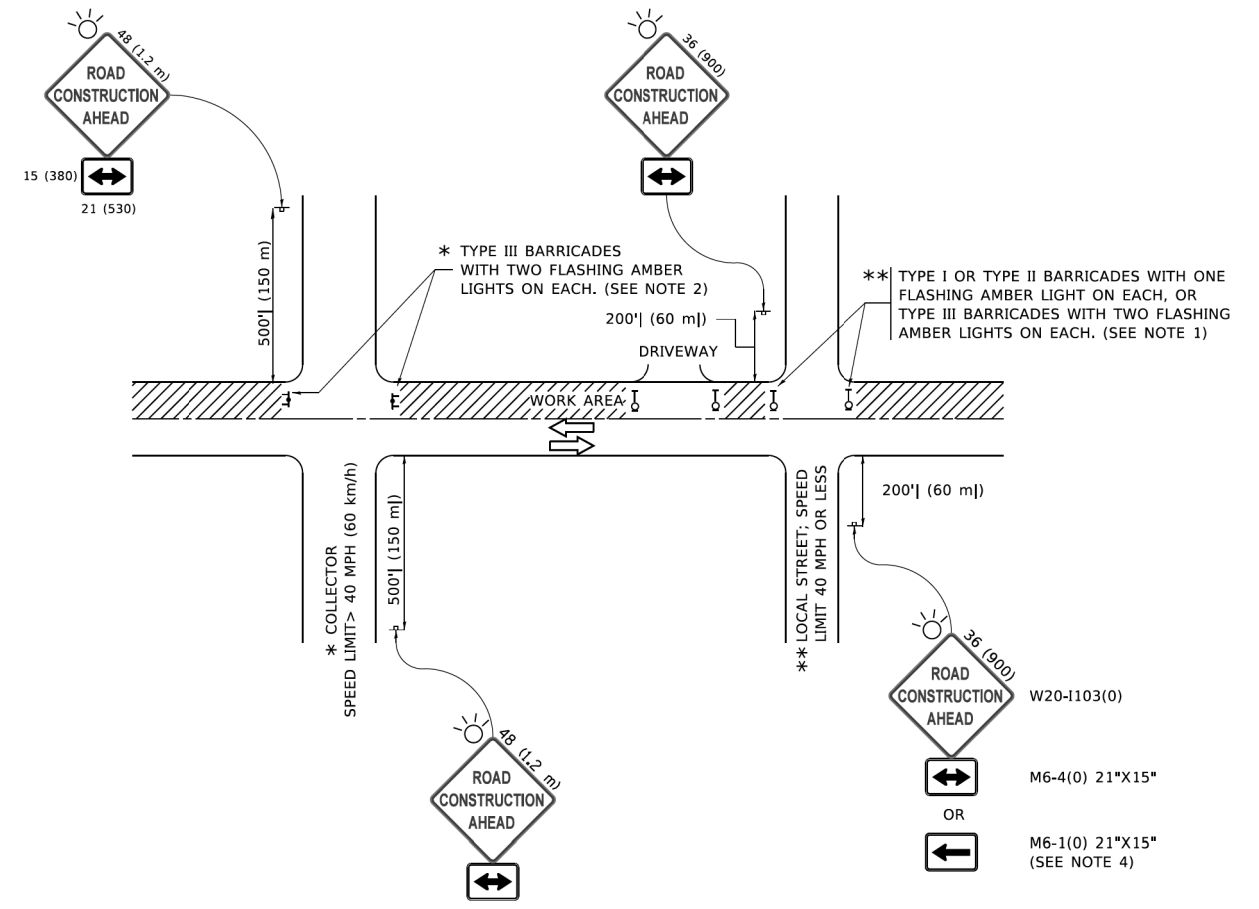
MODEL: Default
 FILE NAME: P:\2022\20220326\156\156.dwg
 PROJECT: 156
 OFFICE: 156

USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
DRAWN -	REVISOR - M. GOMEZ 01-22-01	REVISOR - R. BORO 12-15-09			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	BD600-06 (BD-24)		CONTRACT NO.	
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISOR - K. SMITH 07-11-19						ILLINOIS FED. AID PROJECT			
PLOT DATE = 7/11/2019	DATE - 03-11-94										

USER NAME = ajungermann	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BULL VALLEY ROAD DISTRICT 1 DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
DRAWN - AC	REVISOR -	REVISOR -			SCALE: N.T.S.	SHEET 1 OF 4 SHEETS	STA. TO STA.	21-00091-00-R5		MCHENRY 24 21	
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISOR -						CONTRACT NO. 61196			
PLOT DATE = 11/1/2023	DATE -				ILLINOIS FED. AID PROJECT						

MODEL: Default
 FILE NAME: P:\2022\20220326\156\156.dwg
 PROJECT: 156
 OFFICE: 156





NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: Default
 FILE NAME: P:\2022\20220316\1\CAD\02_Design\CADD_Sheets\202361_sch-detailed.dgn
 PROJECT: I:\Projects\2023\230316\230316.dwg
 USER: footemj
 DATE: 3/4/2019

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			TC-10		CONTRACT NO.		
			ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: P:\2022\20220316\1\CAD\02_Design\CADD_Sheets\202361_sch-detailed.dgn
 PROJECT: I:\Projects\2023\230316\230316.dwg
 USER: ajungermann
 DATE: 11/1/2023

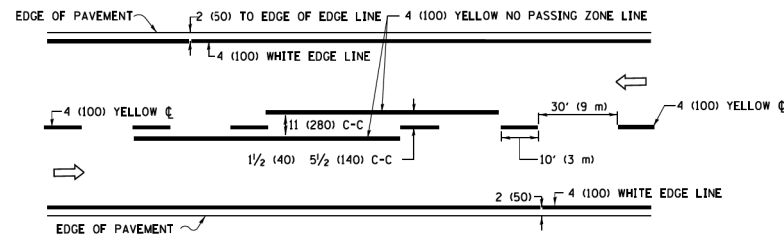
HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. COMP. 184-000959

USER NAME = ajungermann	DESIGNED -	REVISED -
	DRAWN - AC	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/1/2023	DATE -	REVISED -

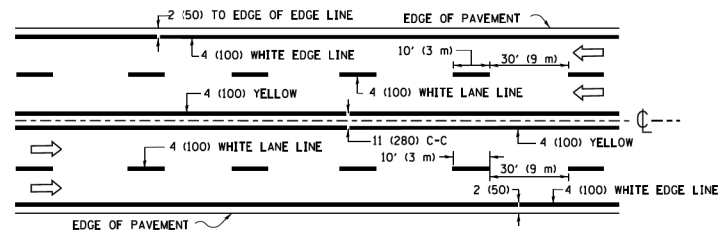
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BULL VALLEY ROAD
DISTRICT 1 DETAILS**

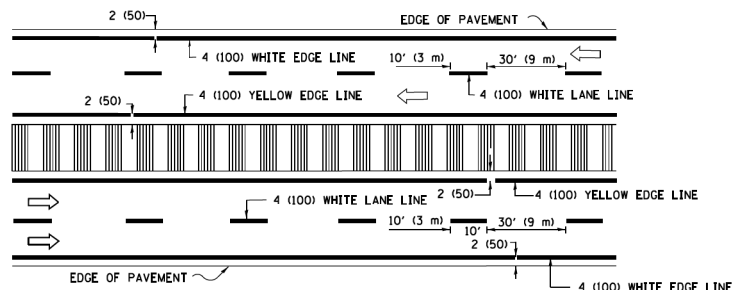
SCALE: N.T.S.	SHEET 2 OF 4 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			3860	21-00091-00-R5	MCHENRY	24	22
			CONTRACT NO. 61J96				
			ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

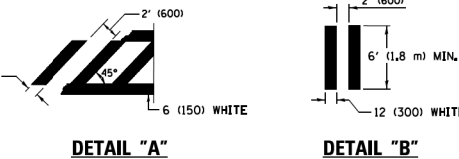
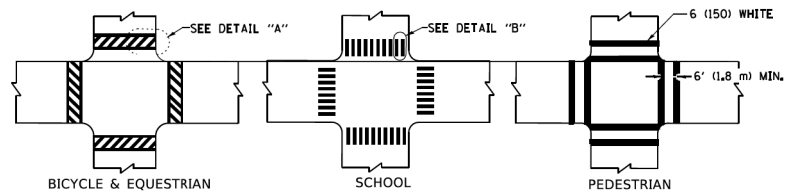


MULTI-LANE UNDIVIDED



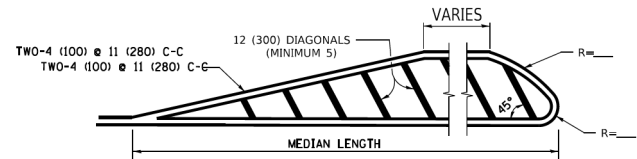
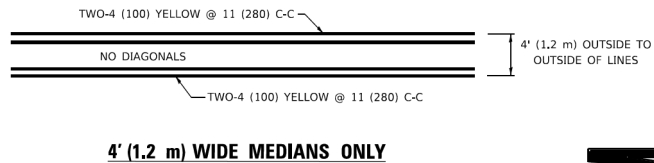
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

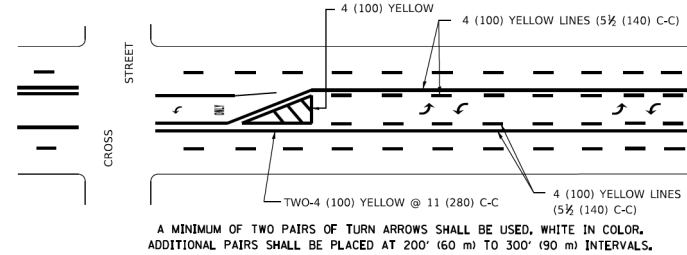


TYPICAL CROSSWALK MARKING

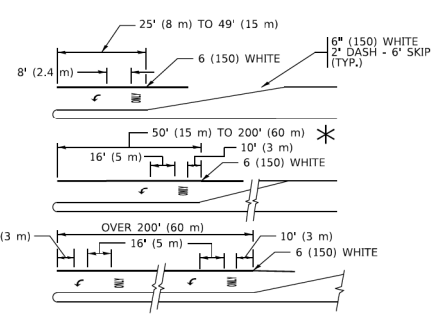
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



MEDIANS OVER 4' (1.2 m) WIDE



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

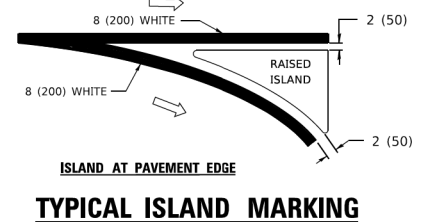
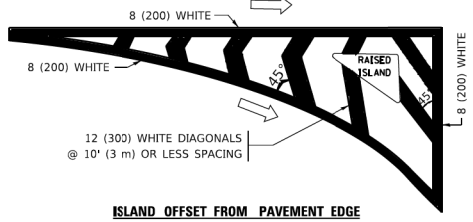


TYPICAL LEFT (OR RIGHT) TURN LANE

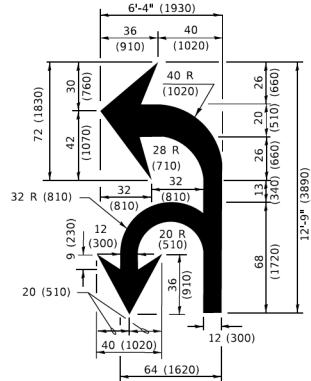
TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)

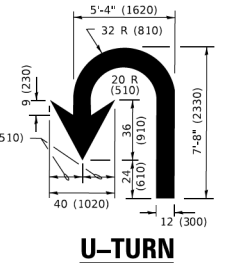
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



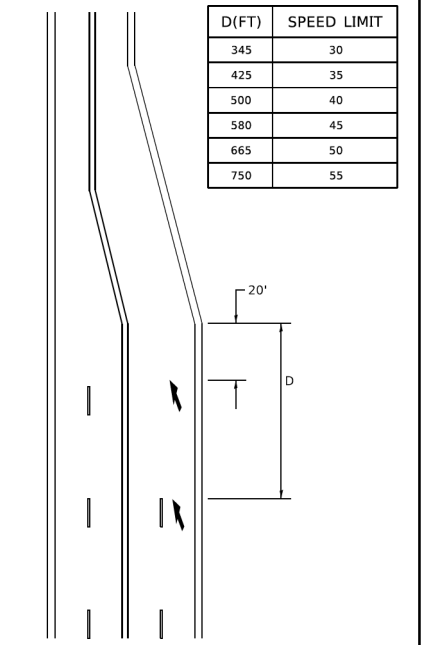
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: Default
 FILE NAME: P:\2020\200361\CD\02_Design\CADD_Sheets\200361_Sch-detailed.dgn
 PROJECT: I:\Projects\2020\200361\CD\02_Design\CADD_Sheets\200361_Sch-detailed.dgn
 USER: ajungermann
 DATE: 11/1/2023

USER NAME	DESIGNED	REVISED
= footemj	- EVERS	- C. JUCIUS 09-09-09
	-	- C. JUCIUS 07-01-13
	-	- C. JUCIUS 12-21-15
	-	- C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

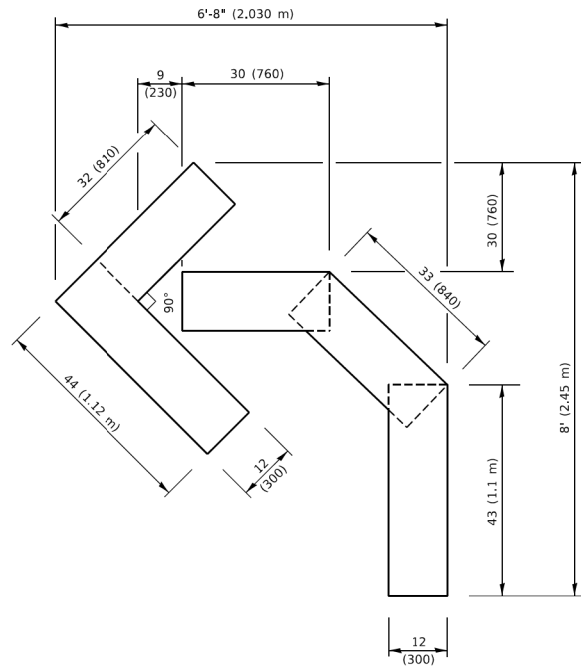
DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS						
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BULL VALLEY ROAD
DISTRICT 1 DETAILS**

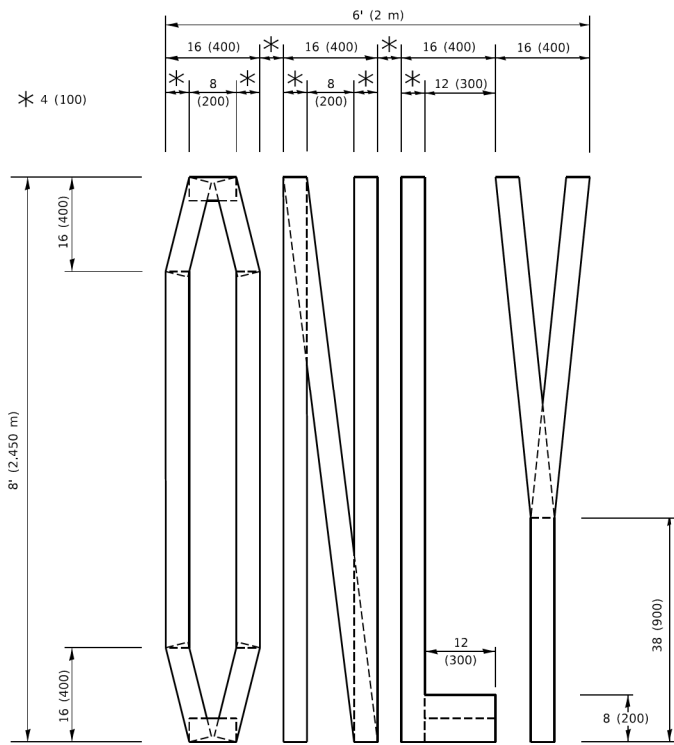
SCALE	SHEET	OF	SHEETS	STA.	TO STA.
N.T.S.	3	OF	4	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	23
CONTRACT NO. 61J96				
ILLINOIS FED. AID PROJECT				



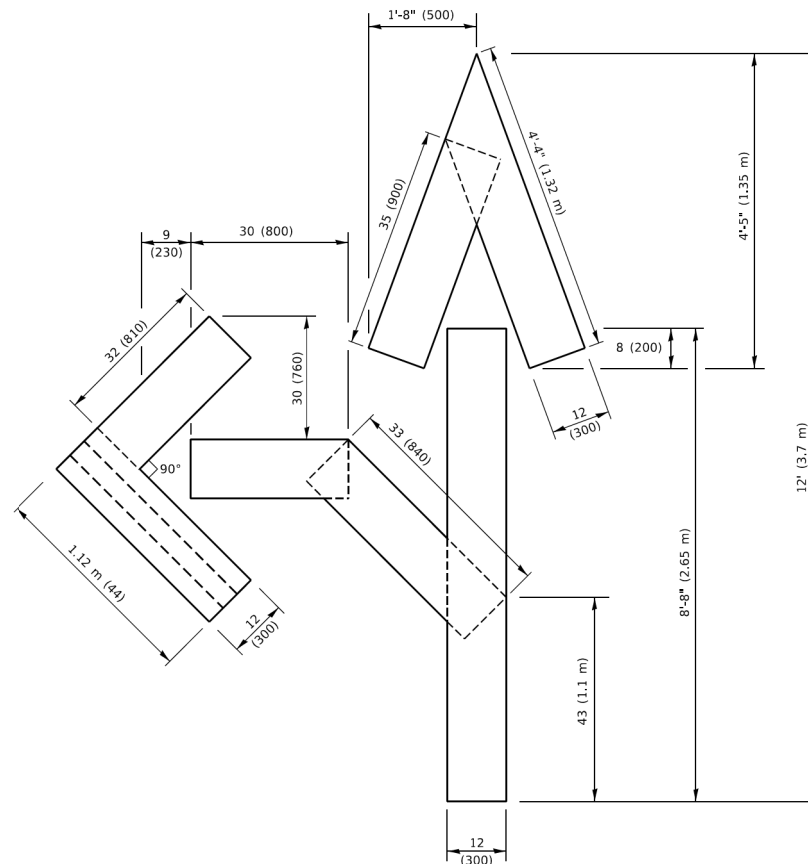
QUANTITY

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



QUANTITY

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

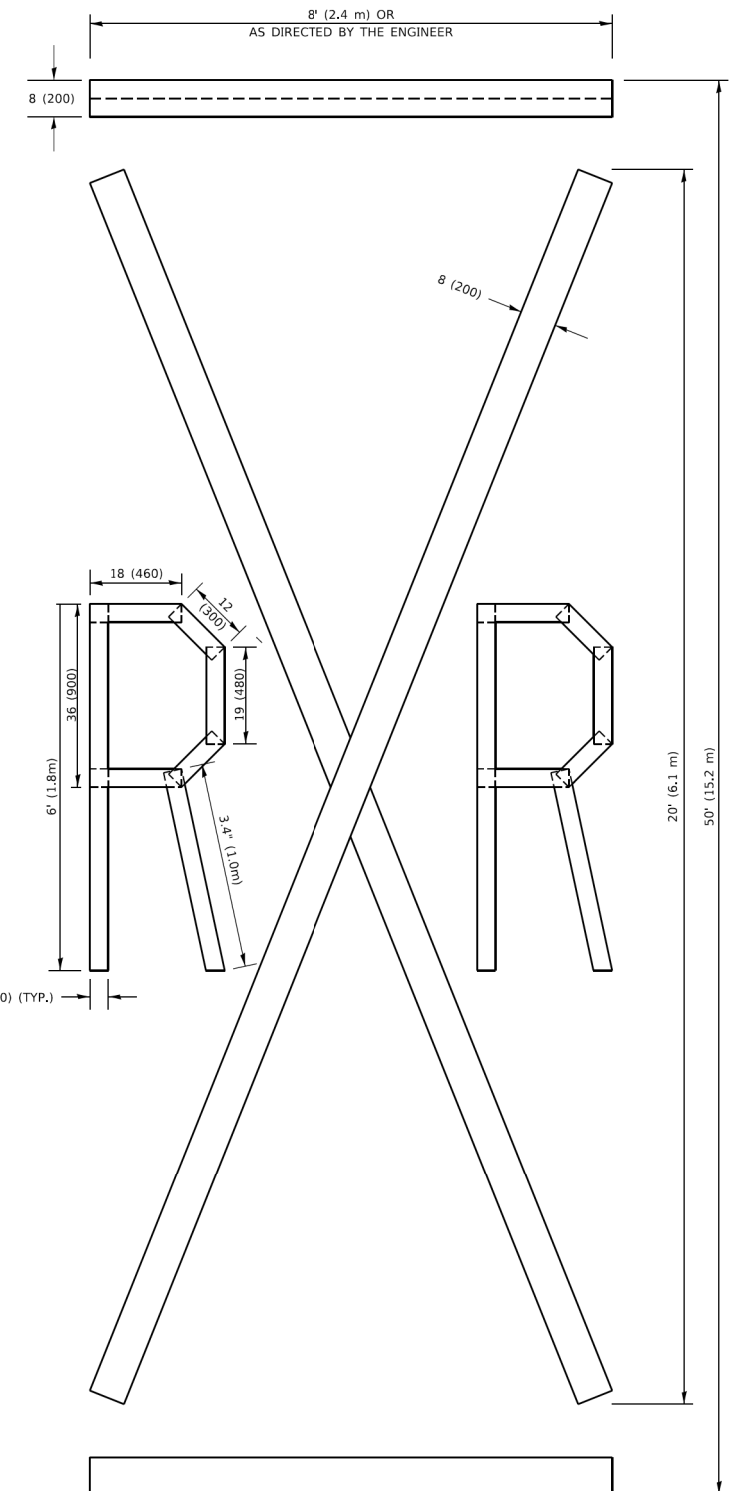


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: Defaulr
FILE NAME: P:\2020\20203615\Cad02_Design\CADD_Sheets\2003615\ch-detailed.dgn
PROJECT: 20203615\Cad02_Design\CADD_Sheets\2003615\ch-detailed.dgn

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 50,0068' / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-16			
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: Defaulr
FILE NAME: P:\2020\20203615\Cad02_Design\CADD_Sheets\2003615\ch-detailed.dgn

HAMPTON, LENZI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S./P.E./S.E. CORP. 154-000959

USER NAME = ajungermann	DESIGNED -	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN - AC	REVISED -
PLOT DATE = 11/1/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BULL VALLEY ROAD
DISTRICT 1 DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	21-00091-00-R5	MCHENRY	24	24
CONTRACT NO.			61196	
ILLINOIS FED. AID PROJECT				