

06-11-2021 LETTING ITEM 157

SUBSURFACE UTILITY ENGINEERING (S.U.E)
UTILIZED ON THIS PROJECT

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

FUNCTIONAL CLASSIFICATION:
OTHER PRINCIPAL ARTERIAL
2017 ADT = 68,100
2040 ADT = 69,800
MU = 5.1% SU = 9.2%
POSTED SPEED = 50 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION








PROPOSED
HIGHWAY PLANS

FAP ROUTE 344 (IL 83)
OVER DRAINAGE DITCH AT IL 38 (WB) RAMP
SECTION 2020-196-T
PROJECT NHPP-A8LJ(182)
CULVERT REPLACEMENT
DUPAGE COUNTY

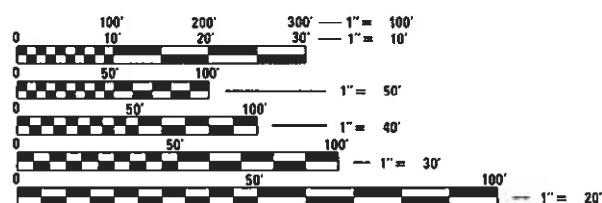
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	1
		ILLINOIS	CONTRACT NO. 62M69	

D-91-596-20



APPLIES TO SHEETS 1-32, 74-90   LICENSED CIVIL ENGINEER, STATE OF ILLINOIS EXPIRES: 11/30/2021	APPLIES TO SHEETS 53-73   LICENSED STRUCTURAL ENGINEER, STATE OF ILLINOIS EXPIRES: 11/30/2022
APPLIES TO SHEETS 33-43  LICENSED CIVIL ENGINEER, STATE OF ILLINOIS EXPIRES: 11/30/2021	APPLIES TO SHEETS 44-52   LICENSED CIVIL ENGINEER, STATE OF ILLINOIS EXPIRES: 11/30/2021

MUNICIPALITIES:
CITY OF OAKBROOK TERRACE
CITY OF ELMHURST



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

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

PROJECT ENGINEER: PRAVEEN KAINI, PE (847)-705-4237
PROJECT MANAGER: J. ALAIN MIDY, PE (847)-221-3056

CONTRACT NO. 62M69

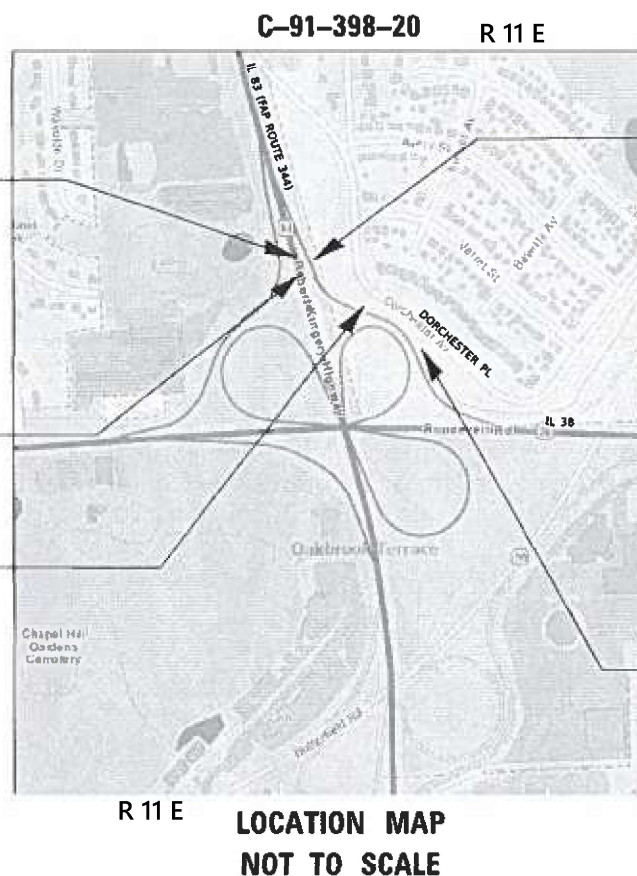
END IL 83 IMPROVEMENT
STA 105 + 30.00

BEGIN IL 83 IMPROVEMENT
STA 104 + 75.00

END RETAINING WALL
STA 36 + 51.94

CULVERT REPLACEMENT
STA 105 + 02.15
EXIST SN 022-2022
PROP SN 022-8300

BEGIN RETAINING WALL
STA 32 + 78.52



IL 83 IMPROVEMENTS (CULVERT)
GROSS LENGTH = 55.00 FT. = 0.010 MILE
NET LENGTH = 55.00 FT. = 0.010 MILE

RETAINING WALL (RAMP)
GROSS LENGTH = 373.42 FT. = 0.071 MILE
NET LENGTH = 373.42 FT. = 0.071 MILE

Bowman
CONSULTING
311 S. Wacker Drive, Suite 1950
Chicago, Illinois 60606
312-614-0360
www.bowmanconsulting.com

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 10 20 21
Jose Rivero
REGIONAL ENGINEER

May 7, 2021
J. A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021
James J. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND HIGHWAY STANDARDS
3	GENERAL NOTES AND COMMITMENTS
4-12	SUMMARY OF QUANTITIES
13-15	TYPICAL SECTIONS
16-18	SCHEDULE OF QUANTITIES
19-20	ALIGNMENT, TIES, AND BENCHMARKS
21-22	REMOVAL PLAN
23	MAINTENANCE OF TRAFFIC GENERAL NOTES
24	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
25	MAINTENANCE OF TRAFFIC PRE-STAGE
26-27	MAINTENANCE OF TRAFFIC STAGE 1
28	MAINTENANCE OF TRAFFIC STAGE 2
29	MAINTENANCE OF TRAFFIC STAGE 3
30-31	ROADWAY PLAN AND PROFILE
32	DRAINAGE PLAN
33	DRAINAGE PROFILE
34-35	PAVEMENT MARKING PLAN
36	EROSION CONTROL PLAN NOTES
37-38	PRE-STAGE LANDSCAPING AND EROSION CONTROL PLAN
39-40	STAGE 1 LANDSCAPING AND EROSION CONTROL PLAN
41-42	STAGE 2 LANDSCAPING AND EROSION CONTROL PLAN
43-44	STAGE 3 LANDSCAPING AND EROSION CONTROL PLAN
45-46	FINAL LANDSCAPING AND EROSION CONTROL PLAN
47	LIGHTING GENERAL NOTES, BILL OF MATERIALS AND LEGEND
48	REMOVAL/TEMPORARY LIGHTING
49	PROPOSED LIGHTING PLAN
50	SINGLE LINE WIRING DIAGRAM
51	LIGHT POLE FOUNDATION - 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
52	ALUMINUM LIGHT POLE - 47'-6" MOUNTING HEIGHT
53	MISC. ELECTRICAL DETAILS
54	TEMPORARY LIGHT POLE DETAILS
55	TEMPORARY AERIAL CABLE INSTALLATION
56	CULVERT GENERAL PLAN AND ELEVATION
57	CULVERT GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL
58	CULVERT STAGE CONSTRUCTION 1
59	CULVERT STAGE CONSTRUCTION 2
60	CULVERT TYPICAL SECTIONS
61	CULVERT ASSEMBLY SHEET
62	CULVERT END SECTIONS
63	CULVERT END SECTION DETAILS
64	SOIL BORING 1
65	SOIL BORING 2
66	RETAINING WALL GENERAL PLAN AND ELEVATION
67	RETAINING WALL GENERAL NOTES AND BILL OF MATERIAL
68	WALL LAYOUT 1
69	WALL LAYOUT 2
70	WALL LAYOUT 3
71	WALL LAYOUT 4
72	WALL CROSS SECTION AND DETAILS
73	WALL RAILING AND DETAILS
74	BORING LOGS 1
75	BORING LOGS 2
76	BORING LOGS 3
77-93	PROPOSED CHANNEL CROSS SECTIONS
94-102	TEMPORARY PAVEMENT CROSS SECTIONS
103	BD-27 CONCRETE BARRIER TRANSITION & GENERAL DETAILS, CONCRETE BARRIER BASE
104	BD-28 RUSTIFICATION FINISH AND GEOCOMPOSITE DRAIN FOR RETAINING WALLS
105	BE-301 LIGHT POLE FOUNDATION, 40' to 47 1/2' M.H., 15" BOLT CIRCLE
106	BE-400 ALUMINUM LIGHT POLE, 47'-6" MOUNTING HEIGHT
107	BE-800 TEMPORARY LIGHT POLE DETAILS
108	BE-801 TEMPORARY AERIAL CABLE INSTALLATION
109	BM-05 TYPICAL DETAIL FOR CENTER LONGITUDINAL JOINT, GUARDRAIL JOINT
110	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
111	TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
112-113	TC-12 MULTILANE FREEWAY PAVEMENT MARKING DETAILS
114	TC-13 DISCTRICT ONE TYPICAL PAVEMENT MARKINGS
115	TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
116	TC-18 FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS
117	TC-22 ARTERIAL ROAD INFORMATION SIGN
118	SEDIMENT AND EROSION CONTROL - URETHANE FOAM GEOTEXTILES
119	SEDIMENT AND EROSION CONTROL - INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION
120	SEDIMENT AND EROSION CONTROL - TEMPORARY CONCRETE WASHOUT FACILITY - EARTHEN TYPE
121	SEDIMENT AND EROSION CONTROL - TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL
122	SEDIMENT AND EROSION CONTROL - TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

IDOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
353001-05	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-04	NAME PLATE FOR BRIDGES
602106-03	DRAINAGE STRUCTURES, TYPES 4 & 5
604071-06	FRAME AND GRATE, TYPE 20
606201-04	TYPE B GUTTER (INLET, OUTLET, AND ENTRANCE)
630001-12	STEEL PLATE BEAM GUARDRAIL
635001-01	DELINEATORS
637006-04	CONCRETE BARRIER, 42 IN. (1065 MM) HEIGHT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701423-10	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
830001-03	LIGHT POLE ALUMINUM MAST ARM
830011-03	LIGHT POLE STEEL MAST ARM
830026-01	TEMPORARY ROADWAY LIGHTING
835001-01	LIGHT TOWER
836001-04	LIGHT POLE FOUNDATION
836011-02	LIGHT POLE FOUNDATION WITH 44 IN. (1120 mm) CONCRETE BARRIER
837001-05	LIGHT TOWER FOUNDATION
838001-01	BREAKAWAY DEVICES

MODEL: Default
 FILE NAME: P:\000058 - IDOT\000058-01-CO2 (ENG) - PTB 195-016 Phase II Ver. VnE\Engineering\WO 1 - ILB24L3B\00 Drawings\502_CADD Sheets\ID162M69-shc-index.dgn



311 S. Wacker Drive, Suite 1950
Chicago, Illinois 60606
312-474-4360
www.bowmanconsulting.com

USER NAME = apatel	DESIGNED - KH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND HIGHWAY STANDARDS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	2
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

REV-SEP

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF OAKBROOK TERRACE, AND CITY OF ELMHURST.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
7. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
8. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
9. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.
10. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
11. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
12. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A A SEPARATE PAY ITEM HAS BEEN PROVIDED.
13. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
15. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
16. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
17. HEAVING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
18. THE WORK REQUIRED TO CONNECT ANY STORM OR SANITARY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.
19. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
20. ONLY THOSE TREES DESIGNATED BY THE ENGINEER, LISTED IN THE TREE REMOVAL SCHEDULE, OR SHOWN IN THE PLANS SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
21. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.
22. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
23. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWER, WATER MAIN, SANITARY SEWER, AND 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. THIS WORK SHALL BE PER ARTICLES 105.07 AND 107.31 OF THE STANDARD SPECIFICATIONS. WHEN REQUIRED, LOCATING UTILITIES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR EXPLORATION TRENCH, SPECIAL.
24. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE LOCAL MUNICIPALITIES. ALL TREE PROTECTION, REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
25. 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. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. 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. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
26. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: BP, COMED, LEVEL 3, COMCAST, BUCKEYE PARTNERS, LUMEN AND WOW! INTERNET.
27. THE CONTRACTORS SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
28. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR GUARDRAIL REMOVAL.
29. STORM SEWER WATER MAIN IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET AND THE WATER MAIN INVERT IS LESS THAN 1.5 FEET ABOVE THE TOP OF THE STORM SEWER.
30. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS, IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
31. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
32. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGE BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE. TANDEM-AXLE TRUCK.
33. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGE BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
34. ALL TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL FOLLOW DISTRICT ONE STANDARD TC-13.
35. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV 4" (PAY ITEM 70300904) OR 8" (PAY ITEM 70300908).
36. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
37. THE CONTRACTOR SHALL CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST TWO WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK.
38. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE PROVIDED TO PROTECT ROADWAY, ADJACENT PROPERTIES, AND WATER COURSES AS PER SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
39. FOR TOPSOIL EXCAVATION AND PLACEMENT, MATERIAL EXCAVATED FROM WETLANDS AND OSW SHALL BE STOCKPILED SEPARATELY FROM OTHER MATERIAL AND FOR TOPSOIL PLACEMENT, MATERIAL EXCAVATED FROM WETLANDS AND OSW SHALL BE PLACED ONLY IN WETLAND AND OSW AREAS.
40. 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 SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

COMMITMENTS

NONE

MODEL: D:\c4\h1
 FILE NAME: P:\C\00089 - IDOT\040089\01\002 (ENG) - PTB_1954\016 Phase II Vpr Vpr\Engineering\WO_1 - IL024L2B\500 Drawings\502_CADD Sheets\ID162M69-shc-gennotes.dgn



311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-414-0560
www.bowmanconsulting.com

USER NAME = k\jejtmanek	DESIGNED - KH	REVISED -
	DRAWN - KM	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	3
			CONTRACT NO. 62M69	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
 FILE NAME: P:\000098 - IDOT\000098\01-C02 (ENG) - PTB 195-016 Phase II Ver. V01\Engineering\WO 1 - IL02-IL30\00 Drawings\02 CADD Sheets\02M69-sht-50001.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE 0004 SN: 022-8300	RETAINING WALL 0044 SN: 022-W001
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	739	739	
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	214	214	
20101000	TEMPORARY FENCE	FOOT	452	452	
20200100	EARTH EXCAVATION	CU YD	4,580	4,580	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1,061	1,061	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,845	1,845	
21101630	TOPSOIL FURNISH AND PLACE, 8"	SQ YD	2,138	2,138	
* 25000210	SEEDING, CLASS 2A	ACRE	0.38	0.38	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	34	34	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	34	34	
25200200	SUPPLEMENTAL WATERING	UNIT	25	25	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	46	46	
28000305	TEMPORARY DITCH CHECKS	FOOT	312	312	
* 28000400	PERIMETER EROSION BARRIER	FOOT	3,800	3,800	
* 28000510	INLET FILTERS	EACH	1	1	

* SPECIALTY ITEM



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - KM	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AP	REVISED -
	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
NONE	1	6	
			STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY	TOTAL SHEETS 122	SHEET NO. 4
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE	RETAINING WALL
				0004 SN: 022-8300	0044 SN: 022-W001
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,235	2,235	
28100107	STONE RIPRAP, CLASS A4	SQ YD	123	123	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	306	306	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2,629	2,629	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2,773	2,773	
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	218	218	
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	92	92	
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	240	240	
44000100	PAVEMENT REMOVAL	SQ YD	3,210	3,210	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,706	1,706	
44200535	CLASS A PATCHES, TYPE IV, 8 INCH	SQ YD	606	606	
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	114	114	
48101202	AGGREGATE SHOULDERS, TYPE B	CU YD	296	296	
50200100	STRUCTURE EXCAVATION	CU YD	3,234	2,890	344
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	306	306	

MODEL: Default
 FILE NAME: P:\000038 - IDOT\000058\01-002 (ENG) - RTB 195-016 Phase II Vpr Vpr\Engineering\WO 1 - IL624138\00 Drawings\502 CADD Sheets\162M69-shr-50002.dgn



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
	DRAWN - KM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 2	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY	TOTAL SHEETS 122	SHEET NO. 5
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE 0004 SN: 022-8300	RETAINING WALL 0044 SN: 022-W001
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	2	2	
50300285	FORM LINER TEXTURED SURFACE	SQ FT	4,232		4,232
50300300	PROTECTIVE COAT	SQ YD	515		515
50500505	STUD SHEAR CONNECTORS	EACH	1,234		1,234
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	34,670	2,320	32,350
50901760	PIPE HANDRAIL	FOOT	403		403
* 51204650	PILE SHOES	EACH	56		56
* 51500100	NAME PLATES	EACH	2	1	1
* 52200015	PERMANENT SHEET PILING	SQ FT	736	736	
* 52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,764	1,764	
* 52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	1,710		1,710
* 52200150	DRIVING SOLDIER PILES	FOOT	1,710		1,710
* 52200250	UNTREATED TIMBER LAGGING	SQ FT	4,498		4,498
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	174.1		174.1
54003000	CONCRETE BOX CULVERTS	CU YD	31.9	31.9	

* SPECIALTY ITEM

MODEL: Default
 FILE NAME: P:\000058 - IDOT\000058\01-CO2 (ENG) - PTB 195-016 Phase II Ver. V01\Engineering\WO 1 - IL\21-38\500 Drawings\502 CADD Sheets\ID162M69-sht-50003.dgn



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	6
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE	RETAINING WALL
				0004 SN: 022-8300	0044 SN: 022-W001
54010805	PRECAST CONCRETE BOX CULVERTS 8' X 5'	FOOT	412.0	412.0	
54011005	PRECAST CONCRETE BOX CULVERTS 10' X 5'	FOOT	206.0	206.0	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	11	11	
55100500	STORM SEWER REMOVAL 12"	FOOT	45	45	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1,266.8	766.8	500
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	300	300	
60270050	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20 FRAME AND GRATES	EACH	1	1	
60602800	CONCRETE GUTTER, TYPE B	FOOT	403		403
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	500	500	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	444	444	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH			
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM			

* SPECIALTY ITEM

MODEL: Default
 FILE NAME: P:\000058 - IDOT\000058\01\02 (ENG) - PTB 195-016 Phase II Ver. V01\Engineering\WO 1 - IL02-IL30\00 Drawings\02 CADD Sheets\ID162M69-shc-50004.dgn



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	7
CONTRACT NO. 62M69			REV-SEP	

ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE 0004 SN: 022-8300	RETAINING WALL 0044 SN: 022-W001
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM			
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	133	133	
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	4,760	4,760	
70107009	PAVEMENT MARKING BLACKOUT TAPE, 9"	FOOT	185	185	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,696	1,696	
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	22,558	22,558	
70300908	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	11,486	11,486	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,475	3,475	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3,788	3,788	
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4	
70600270	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	EACH	1	1	

* SPECIALTY ITEM

MODEL: D:\c\it\...
 FILE NAME: P:\0\0058 - IDOT\0058\01\02 (ENG) - PTB 195-016 Phase II Ver. V\B\Engineering\WO 1 - IL\21\38\00 Drawings\02 CADD Sheets\62M69-sht-50005.dgn



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - KM	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AP	REVISED -
	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	8
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

REV-SEP

MODEL: D:\p\1\1 - IDOT\040589-01-C02 (ENG) - PTB 195-016 Phase II Ver. V01\Engineering\WO 1 - IL\21-38\100 Drawings\502 CADD Sheets\162M69-sht-50006.dgn
 FILE NAME: P1000058

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE 0004 SN: 022-8300	RETAINING WALL 0044 SN: 022-W001
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	8	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,000	8,000	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,832	1,832	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	872	872	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	242	242	
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	175	175	
* 81603080	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1,690	1,690	
* 81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1,463	1,463	
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	14	14	
* 83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	8	8	
* 83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	6	6	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	80	80	
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8	8	
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	6	6	
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	7	7	
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	7	7	

*** SPECIALTY ITEM**



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
	DRAWN - KM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	9
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

REV-SEP

MODEL: Default
 FILE NAME: P:\000038 - IDOT\000038\01\02 (ENG) - RTB 195-016 Phase II Ver. 04\Engineering\WO 1 - ILE241_3B\100 Drawings\502 CADD Sheets\62M69-sht-50007.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE 0004 SN: 022-8300	RETAINING WALL 0044 SN: 022-W001
* 89502380	REMOVE EXISTING HANDHOLE	EACH	1	1	
* A2002016	TREE, AESCULUS GLABRA (OHIO BUCKEYE), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6	
* A2002368	TREE, BETULA NIGRA (RIVER BIRCH), 7' HEIGHT, BALLED AND BURLAPPED	EACH	10	10	
* A2002516	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	13	13	
* A2002820	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
* A2007616	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2" CALIPER, BALLED AND BURLAPPED	EACH	20	20	
* A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
* B2000762	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 4' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	4	4	
* B2001164	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6	6	
* C2000138	SHRUB, AESCULUS PARVIFLORA (BOTTLEBRUSH BUCKEYE), 3 1/2' HEIGHT, BALLED AND BURLAPPED	EACH	3	3	
* C2000653	SHRUB, ARONIA MELANOCARPA AUTUMN MAGIC, (AUTUMN MAGIC BLACK CHOKEBERRY), CONTAINER GROWN, 5-GALLON	EACH	40	40	
* C2001162	SHRUB, CEPHALANTHUS OCCIDENTALIS (BUTTONBUSH), CONTAINER GROWN, 5-GALLON	EACH	20	20	
* C2003348	SHRUB, HAMAMELIS VIRGINIANA (COMMON WITCHHAZEL), 4' HEIGHT, BALLED AND BURLAPPED	EACH	6	6	

* SPECIALTY ITEM



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	10
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				

REV-SEP

MODEL: D:\p\1\1 - IDOT\040589-01-C02 (ENG) - PTB 195-016 Phase II Ver. V04\Engineering\WO 1 - IL03-IL30\00 Drawings\02 CADD Sheets\02M69-sht-50008.dgn
 FILE NAME: P:\040589-01-C02 (ENG) - PTB 195-016 Phase II Ver. V04\Engineering\WO 1 - IL03-IL30\00 Drawings\02 CADD Sheets\02M69-sht-50008.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE 0004 SN: 022-8300	RETAINING WALL 0044 SN: 022-W001
* C2C043G5	SHRUB, LINDERA BENZOIN (SPICEBUSH), CONTAINER GROWN, 5-GALLON	EACH	8	8	
* D2003772	EVERGREEN, THUJA OCCIDENTALIS (AMERICAN ARBORVITAE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	13	13	
* K0013000	PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	3.42	3.42	
* K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	3.04	3.04	
* K0013060	PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	2.66	2.66	
* K0029624	WEED CONTROL, TEASEL	GALLON	1	1	
* X0326806	WASHOUT BASIN	L SUM	1	1	
X0327004	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	1	1	
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	4,514	4,514	
X0484300	MEDIAN INLET BOX REMOVAL	EACH	1	1	
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	767.0	767	
* X1900003	SEEDING, CLASS 5B (MODIFIED)	ACRE	0.44	0.44	
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100	
* X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.44	0.44	
* X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	0.44	0.44	
* X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.44	0.44	



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
	DRAWN - KM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 6	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	11
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				

REV-SEP

MODEL: D:\civil\1\DOT\040589-01-002 (ENG) - 2TB 195-016 Phase II Ver. V04\Engineering\WO 1 - IL624138\100 Drawings\502_CADD Sheets\162M69-sh-50009.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE 0004 SN: 022-8300	RETAINING WALL 0044 SN: 022-W001
* X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	2,138	2,138	
X4401983	CONCRETE BARRIER REMOVAL, DOUBLE FACE	FOOT	59	59	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	6	6	
* C2C11028	SHRUB, STAPHYLEA TRIFOLIA (AMERICAN BLADDERNUT), CONTAINER GROWN, 5-GALLON	EACH	10	10	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	43	43	
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12	12	
Z0062456	TEMPORARY PAVEMENT	SQ YD	2,491	2,491	
Z0064800	SELECTIVE CLEARING	UNIT	21	21	
Ø Z0076600	TRAINEES	HOURS	500	500	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500	

* SPECIALTY ITEM

Ø 0042

REV-SEP

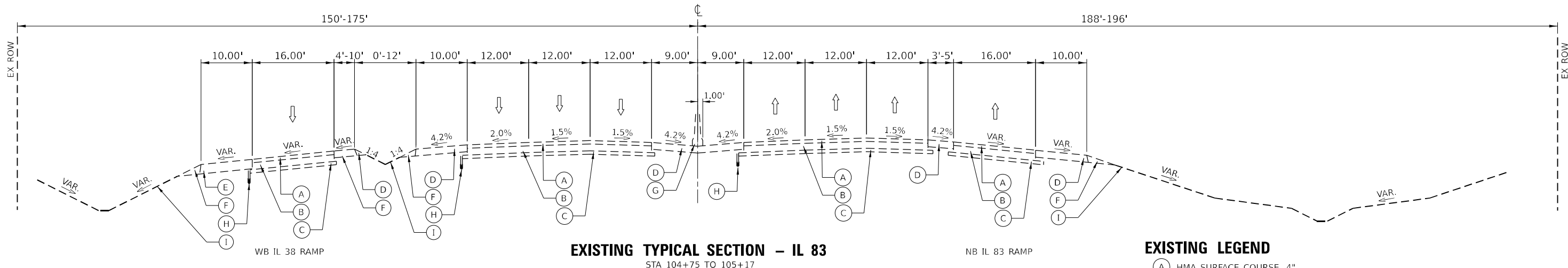


USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

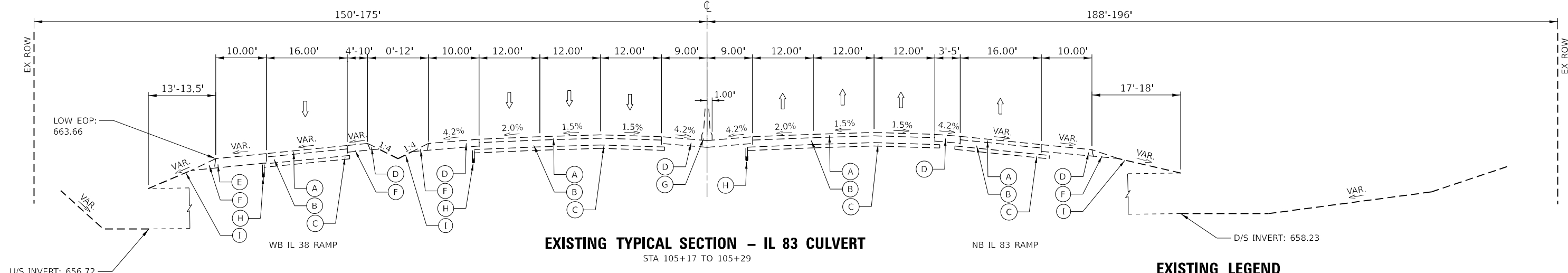
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
NONE	6	6	
			STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	12
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				



- EXISTING LEGEND**
- (A) HMA SURFACE COURSE, 4"
 - (B) PCC BASE COURSE, 8"
 - (C) SUB-BASE GRANULAR MATERIAL, 4"
 - (D) HMA SHOULDER, 8"
 - (E) HMA SHOULDER, 11"
 - (F) AGGREGATE SHOULDER
 - (G) CONCRETE BARRIER
 - (H) PIPE UNDERDRAINS, 4"
 - (I) EXISTING LANDSCAPE AREA



- EXISTING LEGEND**
- (A) HMA SURFACE COURSE, 4"
 - (B) PCC BASE COURSE, 8"
 - (C) SUB-BASE GRANULAR MATERIAL, 4"
 - (D) HMA SHOULDER, 8"
 - (E) HMA SHOULDER, 11"
 - (F) AGGREGATE SHOULDER
 - (G) CONCRETE BARRIER
 - (H) PIPE UNDERDRAINS, 4"
 - (I) EXISTING LANDSCAPE AREA

MODEL: D:\cadd\11\11000000\11000000.dwg
 FILE NAME: P:\000000 - IDOT\04000000\002 (ENG) - PTB 195-016 Phase II Var Var\Engineering\WO 1 - IL83-IL38\500 Drawings\502 CADD Sheets\ID162M69-11000000.dwg
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-474-0500
 www.bowmanconsulting.com

Bowman CONSULTING

USER NAME = k\jejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISOR -	
PLOT SCALE = 20,0000 * / in.	CHECKED - AP	REVISOR -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS IL 83	
SCALE: NONE	SHEET 1 OF 3 SHEETS
STA.	TO STA.

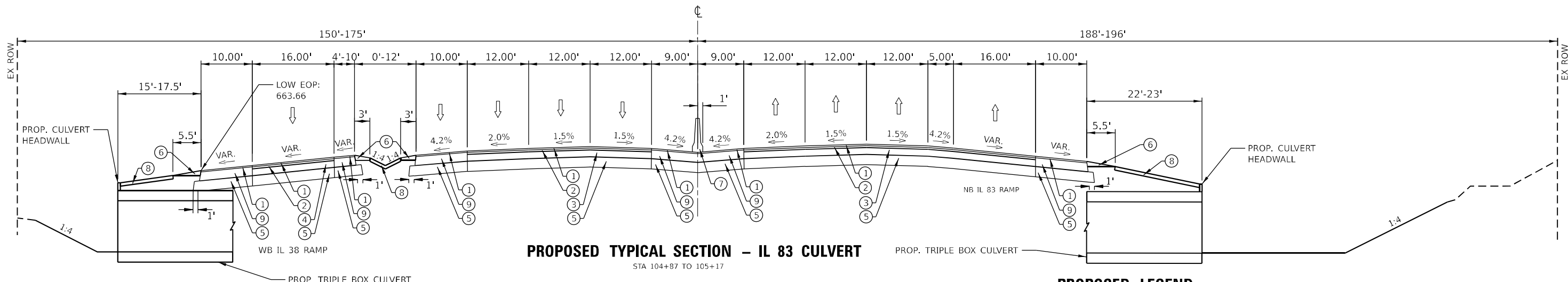
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	13
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ NDES	
PAVEMENT RECONSTRUCTION		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80 (1 3/4")	3.5% @ 80 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4")	4.0% @ 90 GYR	QC/QA
HMA SHOULDER		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80 (1 3/4")	3.5% @ 80 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (10 1/4")	4.0% @ 70 GYR	QC/QA
TEMPORARY PAVEMENT (11")		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (2")	4.0% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (9")	4.0% @ 70 GYR	QC/QA

QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG-76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
5. PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.



PROPOSED LEGEND

- ① POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- ② POLYMERIZED HMA BINDER COURSE IL-19.0, N90, 2 1/4"
- ③ CLASS A PAVEMENT PATCH (IL-83) - 8" CRC
- ④ CLASS B PAVEMENT PATCH (IL-83 SB RAMP) - 8" PCC
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑥ AGGREGATE SHOULDERS, TYPE B, 6"
- ⑦ CONCRETE BARRIER
- ⑧ TOPSOIL EXCAVATION AND PLACEMENT, 4"
- ⑨ POLYMERIZED HMA BINDER COURSE IL-19.0, N70, 10 1/4"

MODEL: D:\64\11
 FILE NAME: P:\00000000 - IDOT\04000000\002 (ENG) - PTB 1954-016 Phase II Var Var\Engineering\WO 1 - IL83-IL38\500 Drawings\502 CADD Sheets\162M69-1111111111111111.dwg
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-474-0500
 www.bowmanconsulting.com

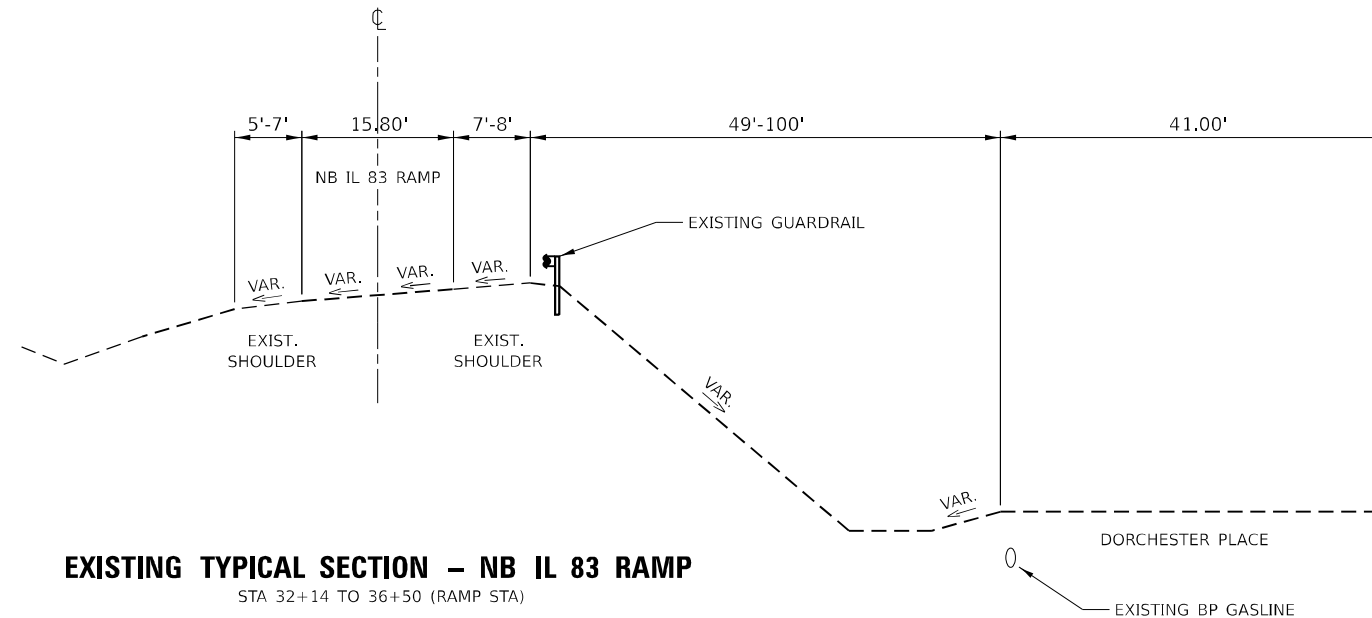


USER NAME = kjejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 20,0000 * / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

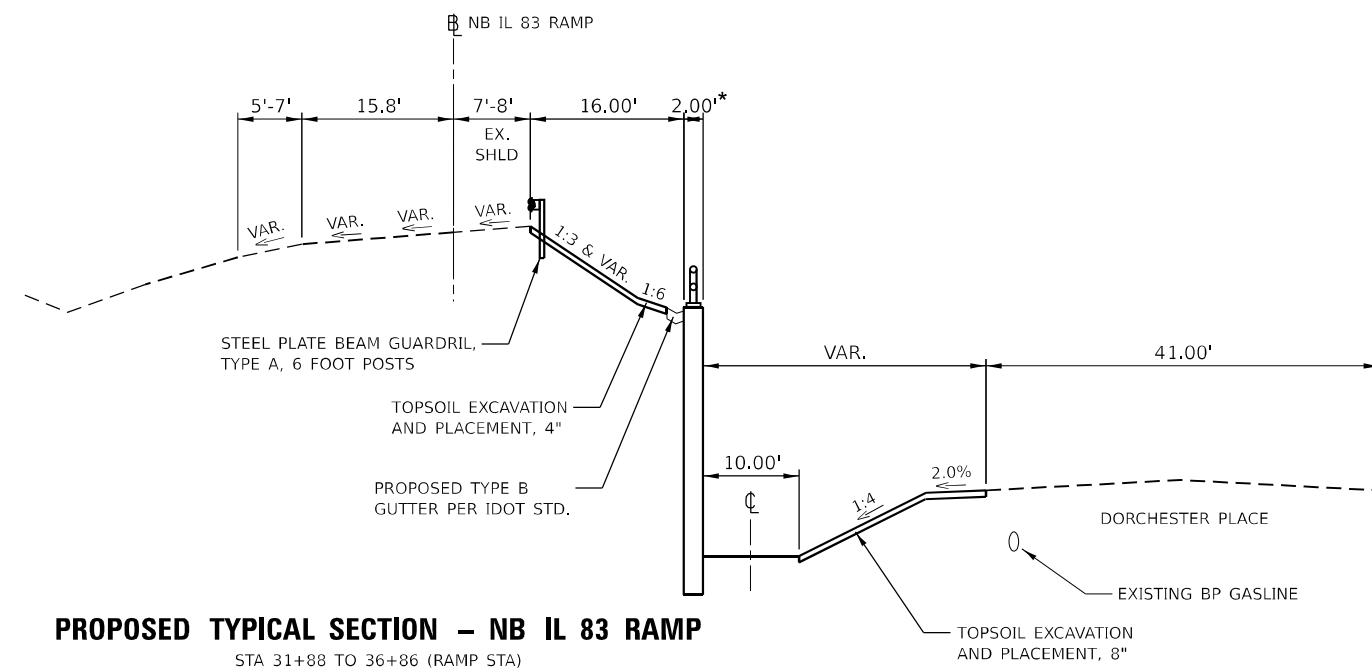
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
IL 83	
SCALE: NONE	SHEET 2 OF 3 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	14
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION - NB IL 83 RAMP
 STA 32+14 TO 36+50 (RAMP STA)



PROPOSED TYPICAL SECTION - NB IL 83 RAMP
 STA 31+88 TO 36+86 (RAMP STA)
 *RETAINING WALL LOCATED 32+80 TO 36+49
 SEE RETAINING WALL PLANS FOR DETAILS

MODEL: D:\c\h\...
 FILE NAME: P:\C\00039 - IDOT\040068\01_002 (ENG) - PTB_1954\16 Phase II Var Var\Engineering\WO 1 - IL02-IL38500 Drawings\502 CADD Sheets\ID1621685-shc\typical03.dwg



USER NAME = kjejtmanek	DESIGNED - KH	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

DRAWN - KM	REVISED -
CHECKED - AP	REVISED -
DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
NB IL 83 RAMP	
SCALE: NONE	SHEET 3 OF 3 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T		122	15
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

TREE REMOVAL (6 TO 15 UNITS DIAMETER) (CODE NUMBER 20100110)

MEASURED FROM NB IL 83 RAMP ALIGNMENT				
DRAWING #	STATION	OFFSET	L/R	DIAMETER (IN)
SHEET 22 VIEW 2	32+85.73	58.50	R	8
	33+39.38	57.30	R	6
	33+71.82	35.86	R	10
	33+71.82	35.86	R	8
	33+71.82	35.86	R	6
	33+71.97	61.70	R	6
	33+76.75	37.26	R	10
	33+76.75	37.26	R	8
	33+89.68	35.93	R	6
	34+01.65	55.26	R	10
	34+12.44	38.78	R	6
	34+13.22	50.84	R	10
	34+34.00	55.11	R	8
	34+57.16	54.96	R	6
	34+59.32	50.23	R	8
	34+61.99	38.90	R	8
	34+83.25	49.11	R	8
	34+84.11	35.72	R	8
	34+84.11	35.72	R	8
	34+93.14	50.71	R	8
	34+94.28	38.30	R	10
	35+15.83	56.71	R	8
	35+21.33	56.76	R	11
	35+37.52	61.06	R	6
	35+42.15	63.63	R	6
	35+54.14	36.92	R	8
	35+62.30	38.03	R	6
	35+65.57	64.07	R	10
	35+85.05	52.00	R	6
	35+85.05	52.00	R	6
	36+12.65	56.72	R	6
	36+18.49	59.86	R	8
	36+21.47	59.76	R	6
	36+27.79	70.87	R	8
	36+38.52	50.24	R	8
	36+47.90	65.46	R	6
	36+53.62	75.40	R	11
	36+59.32	76.57	R	6
	36+59.68	63.57	R	6
	36+65.86	62.05	R	8
	36+71.33	49.02	R	14
	36+78.63	81.76	R	6
	36+78.63	81.76	R	6
	36+98.60	82.57	R	8
	SHEET 21 VIEW 2	37+16.43	78.47	R
37+16.43		78.47	R	9
37+18.61		85.14	R	10
37+51.91		63.34	R	6
37+55.70		80.08	R	9
37+55.70		80.08	R	6
37+68.39		73.06	R	12
37+77.36		74.92	R	10
37+93.93		85.42	R	9
37+93.93		85.42	R	6
38+03.28		81.59	R	11
38+12.73		91.12	R	6
38+17.90		85.90	R	12
38+19.86		88.18	R	9
38+35.77		54.15	R	6
38+65.86		89.34	R	7
38+65.86		89.34	R	6
38+73.71		89.90	R	8
38+81.07		87.03	R	10
38+81.07		87.03	R	6
38+85.98		102.72	R	8
38+88.38		97.22	R	8
38+88.38		97.22	R	6
39+03.64		55.66	R	7
39+15.85		100.40	R	10
39+33.71		51.32	R	8
39+36.54		48.78	R	7
39+37.69		47.66	R	8
39+38.90		47.20	R	7
39+40.18		49.10	R	9
39+40.18		49.10	R	8
39+40.18		49.10	R	6
39+40.98		93.27	R	6
39+67.25		94.20	R	12
39+76.05		83.16	R	7
39+78.06		81.47	R	8
41+49.02		90.05	R	6
41+63.65		77.63	R	6
41+66.87		28.32	R	6
41+66.87		28.32	R	6
41.71.20		77.47	R	8

TREE REMOVAL (6 TO 15 UNITS DIAMETER) (CODE NUMBER 20100110)

MEASURED FROM IL 83 ALIGNMENT				
DRAWING #	STATION	OFFSET	L/R	DIAMETER (IN)
SHEET 21 VIEW 2	102+92.05	233.96	L	7
	103+68.54	174.34	L	7
	103+70.44	177.15	L	10
	103+71.21	179.87	L	7
	103+76.99	177.41	L	6
	104+39.64	148.85	L	7
	104+74.06	136.46	L	6
	104+74.92	132.05	L	7
	105+70.13	114.84	L	7
	105+99.12	125.92	L	12

TREE REMOVAL (OVER 15 UNITS DIAMETER) (CODE NUMBER 20100210)

MEASURED FROM NB IL 83 RAMP ALIGNMENT				
DRAWING #	STATION	OFFSET	L/R	DIAMETER (IN)
SHEET 22 VIEW 2	33+13.76	61.07	R	16
	33+23.57	40.67	R	22
	33+23.57	40.67	R	20
	33+76.75	37.26	R	16
SHEET 21 VIEW 2	37+23.89	51.19	R	20
	37+27.40	61.14	R	18
	38+29.95	50.38	R	18
	38+42.91	50.45	R	18
	38+41.19	98.32	R	32
	38+90.74	49.56	R	18
MEASURED FROM IL 83 ALIGNMENT				
SHEET 21 VIEW 2	103+84.81	167.91	L	16

MODEL: D:\64\h...
 FILE NAME: P:\000099...
 I:\DOT\0400058\01\002 (ENG) - PTB 195-016 Phase II Vpr Vpr\Engineering\WO 1 - IL83-IL38500 Drawings\502_CADD Sheets\0400058-01-002-01.dgn



USER NAME = kjejtmanek	DESIGNED - KH	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: NONE	SHEET 1	OF 3	SHEETS
STA.		TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	16
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

PRE-STAGE EARTHWORK SCHEDULE

1	2	3	4	5	6
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	UNSUITABLE MATERIAL (TOPSOIL)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
TEMPORARY PAVEMENT	1043	887	305	+582	0
SHOULDER REPLACEMENT	887	754	53	+701	0

STAGE 1 EARTHWORK SCHEDULE

1	2	3	4	5	6
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	UNSUITABLE MATERIAL (TOPSOIL)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STRUCTURE EXCAVATION (CULVERT)	1188	1007	0	+1007	0

NOTE: REFER TO STRUCTURAL PLANS

STAGE 2 EARTHWORK SCHEDULE

1	2	3	4	5	6
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	UNSUITABLE MATERIAL (TOPSOIL)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STRUCTURE EXCAVATION (CULVERT)	618	525	0	+525	0

STAGE 3 EARTHWORK SCHEDULE

1	2	3	4	5	6
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	UNSUITABLE MATERIAL (TOPSOIL)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
DITCH EXCAVATION	2650	2253	0	+2253	435
STRUCTURE EXCAVATION (CULVERT)	1084	921	0	+921	0
STRUCTURE EXCAVATION (RETAINING WALL)	332	282	0	+282	0

SHRINKAGE FACTOR = 15%

- COLUMN 1 - LOCATION FROM PLANS.
- COLUMN 2 - CUT QUANTITY FROM CROSS SECTIONS, THIS DOES NOT INCLUDE UNSUITABLE MATERIAL (TOPSOIL) EXCAVATION.
- COLUMN 3 - EARTH EXCAVATION QUANTITIES THAT ARE TO BE USED AS FILL MATERIAL IN EMBANKMENT. SHRINKAGE FACTOR WAS ASSUMED TO BE 15%.
- COLUMN 4 - QUANTITIES FROM CROSS SECTIONS.
- COLUMN 5 - OFF-SITE MATERIAL NEEDED OR MATERIAL TO WASTE.
- COLUMN 6 - QUANTITIES FROM CROSS SECTIONS, THESE QUANTITIES ARE NOT INCLUDED IN EARTH EXCAVATION OR EMBANKMENT.

PAY ITEMS	PRE-STAGE	STAGE 3	TOTAL
	CUBIC YARD	CUBIC YARD	CUBIC YARD
20200100 - EARTH EXCAVATION	1930	2650	4580

NOTE: EARTHWORK REQUIRED FOR STRUCTURAL EXCAVATION NOT INCLUDED IN THESE PAY ITEMS.
REFER TO STRUCTURAL PLANS AND QUANTITIES

MODEL: D:\p4\h...
 FILE NAME: P:\C\0059 - IDOT\040059\01\002 (ENG) - PTB 1954\16 Phase II Vpr Vpr\Engineering\WO 01 - IL03\IL03\000 Drawings\502 CADD Sheets\0162\M69-Sub-Earthwork\03.dwg



USER NAME = apatel
 DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 PLOT DATE = 3/10/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

DATE - 3/11/2021

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

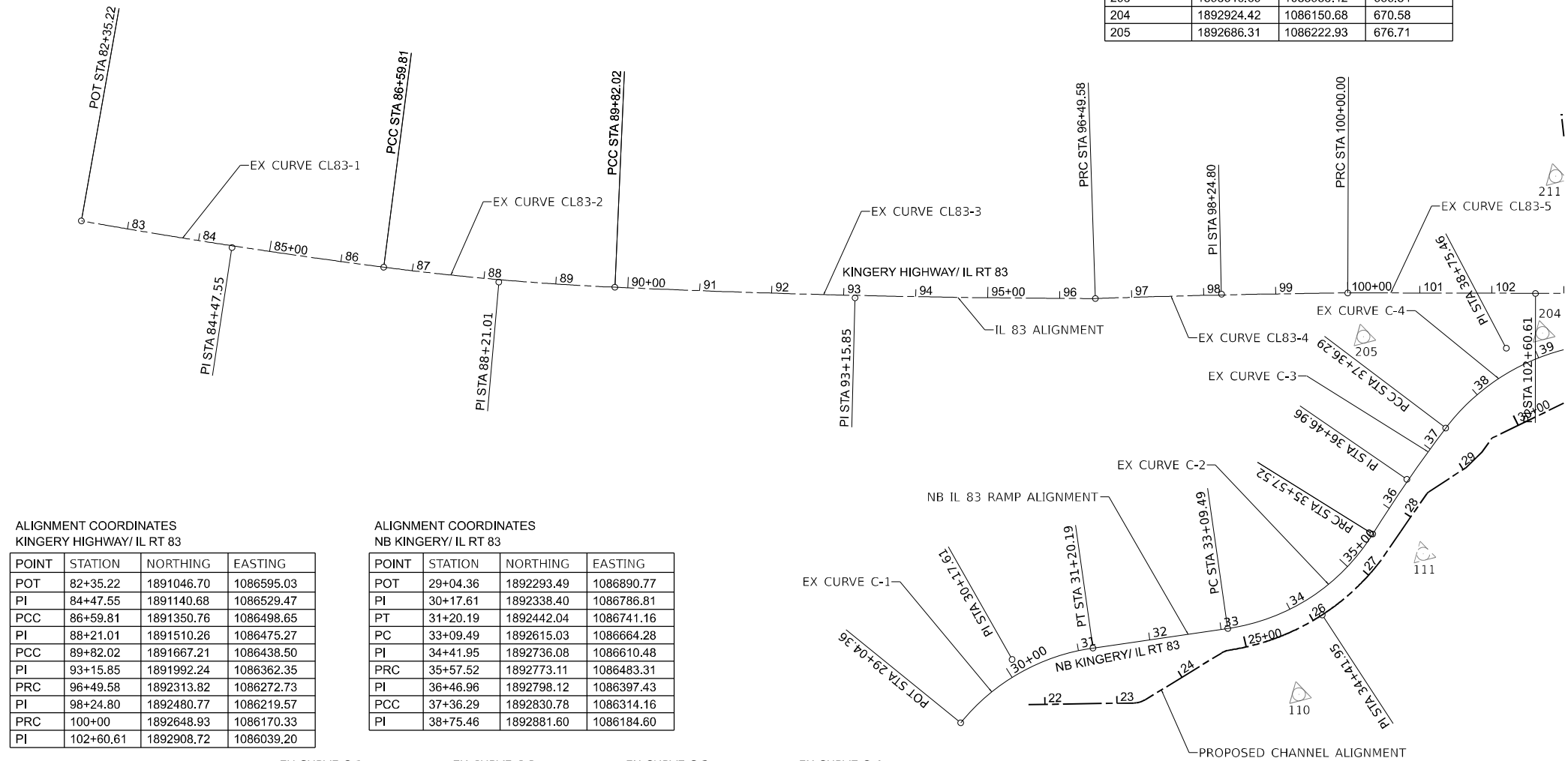
SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	18
				CONTRACT NO. 62M69
ILLINOIS FED. AID PROJECT				

CONTROL POINTS

NUMBER	NORTHING	EASTING	ELEVATION
101	1893441.31	1088396.37	661.98
102	1893117.68	1088167.76	664.34
103	1892885.27	1088032.44	668.24
104	1893186.58	1087905.08	667.70
105	1892901.66	1087753.04	671.51
106	1892663.51	1087578.50	672.33
107	1892433.48	1087410.23	669.99
108	1892333.19	1087146.48	666.86
109	1892537.54	1086942.55	662.20
110	1892734.83	1086725.47	661.70
111	1892848.14	1086490.75	663.57
201	1893166.68	1086096.41	665.92
202	1893407.18	1086026.66	665.48
203	1893646.69	1085953.42	666.84
204	1892924.42	1086150.68	670.58
205	1892686.31	1086222.93	676.71

EX CURVE CL83-1 PI STA = 84+47.55 Δ = 02°39'30" (LT) D = 00°37'34" R = 9,151.55' T = 212.33' E = 2.46' PC STA = 82+35.22 PT STA = 86+59.81	EX CURVE CL83-2 PI STA = 88+21.01 Δ = 04°50'56" (LT) D = 01°30'17" R = 3,807.42' T = 161.20' E = 3.41' PC STA = 86+59.81 PT STA = 89+82.02	EX CURVE CL83-3 PI STA = 93+15.85 Δ = 02°23'08" (LT) D = 00°21'26" R = 16,034.06' T = 333.83' E = 3.47' PC STA = 89+82.02 PT STA = 96+49.58	EX CURVE CL83-4 PI STA = 98+24.80 Δ = 01°20'32" (RT) D = 00°22'59" R = 14,957.44' T = 175.22' E = 1.03' PC STA = 96+49.58 PT STA = 100+00.00	EX CURVE CL83-5 PI STA = 102+60.61 Δ = 00°11'04" (LT) D = 00°02'07" R = 161,800.00' T = 260.61' E = 0.21' PC STA = 100+00.00 PT STA = 105+21.22
--	--	---	--	---



ALIGNMENT COORDINATES
KINGERY HIGHWAY/ IL RT 83

POINT	STATION	NORTHING	EASTING
POT	82+35.22	1891046.70	1086595.03
PI	84+47.55	1891140.68	1086529.47
PCC	86+59.81	1891350.76	1086498.65
PI	88+21.01	1891510.26	1086475.27
PCC	89+82.02	1891667.21	1086438.50
PI	93+15.85	1891992.24	1086362.35
PRC	96+49.58	1892313.82	1086272.73
PI	98+24.80	1892480.77	1086219.57
PRC	100+00	1892648.93	1086170.33
PI	102+60.61	1892908.72	1086039.20

ALIGNMENT COORDINATES
NB KINGERY/IL RT 83

POINT	STATION	NORTHING	EASTING
POT	29+04.36	1892293.49	1086890.77
PI	30+17.61	1892338.40	1086786.81
PT	31+20.19	1892442.04	1086741.16
PC	33+09.49	1892615.03	1086664.28
PI	34+41.95	1892736.08	1086610.48
PRC	35+57.52	1892773.11	1086483.31
PI	36+46.96	1892798.12	1086397.43
PCC	37+36.29	1892830.78	1086314.16
PI	38+75.46	1892881.60	1086184.60

EX CURVE C-1 PI STA = 30+17.61 Δ = 42°51'59" (RT) D = 19°51'41" R = 288.48' T = 113.25' E = 21.43' PC STA = 29+04.36 PT STA = 31+20.19	EX CURVE C-2 PI STA = 34+41.95 Δ = 49°48'13" (LT) D = 20°04'47" R = 285.34' T = 132.46' E = 29.25' PC STA = 33+09.49 PT STA = 35+57.52	EX CURVE C-3 PI STA = 36+46.96 Δ = 05°11'04" (RT) D = 02°54'00" R = 1,975.65' T = 89.45' E = 2.02' PC STA = 35+57.52 PT STA = 37+36.29	EX CURVE C-4 PI STA = 38+75.46 Δ = 50°07'45" (RT) D = 19°15'14" R = 297.58' T = 139.17' E = 30.94' PC STA = 37+36.29 PT STA = 39+96.65
--	--	--	--

MODEL: P1811 (18x11) FILE NAME: P181100056-01-002 (ENG) - FTB 195-016 Phase II Vof VofEngineeringWVO 1 - IL83-IL38-500 Drawings502_CADD_Sheets10122169-sheet1A1B.dgn



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
	DRAWN - KM	REVISED -
PLOT SCALE = 0.1667" / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

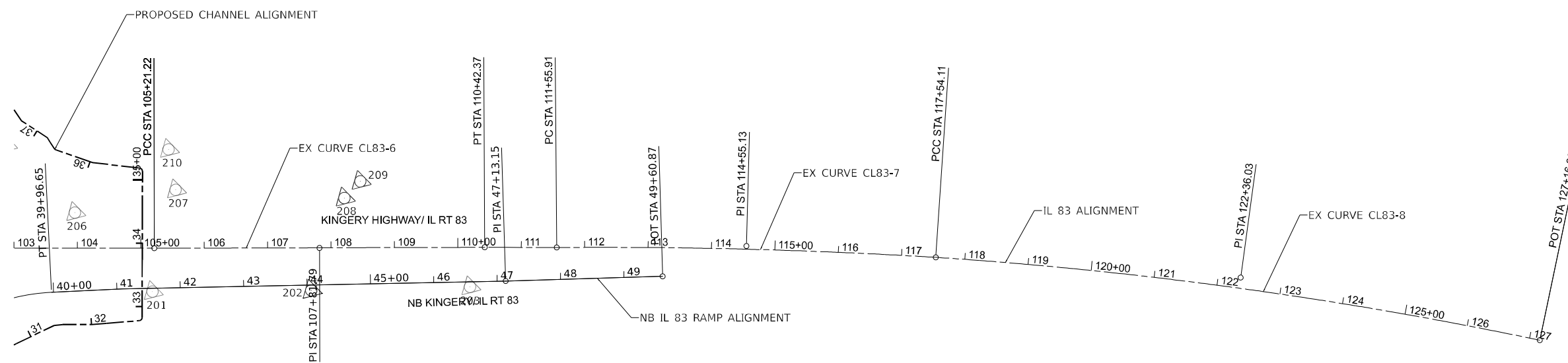
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1"=100' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 19
			CONTRACT NO. 62M69	
		ILLINOIS FED. AID PROJECT		

EX CURVE CL83-6 PI STA = 107+81.79 $\Delta = 00^{\circ}11'04"$ (LT) D = 00°02'07" R = 161,800.00' T = 260.58' E = 0.21' PC STA = 105+21.22 PT STA = 110+42.37	EX CURVE CL83-7 PI STA = 114+55.13 $\Delta = 03^{\circ}54'37"$ (RT) D = 00°39'13" R = 8,765.27' T = 299.22' E = 5.11' PC STA = 111+55.91 PT STA = 117+54.11	EX CURVE CL83-8 PI STA = 122+36.03 $\Delta = 08^{\circ}01'50"$ (RT) D = 00°50'04" R = 6,865.27' T = 481.91' E = 16.89' PC STA = 117+54.11 PT STA = 127+16.36
---	---	--



ALIGNMENT COORDINATES
KINGERY HIGHWAY/ IL RT 83

POINT	STATION	NORTHING	EASTING
PCC	105+21.22	1893150.80	1086029.66
PI	107+81.79	1893401.54	1085958.74
PT	110+42.37	1893652.05	1085887.01
PC	111+55.91	1893761.45	1085856.63
PI	114+55.13	1894048.80	1085773.19
PCC	117+54.11	1894341.17	1085709.54
PI	122+36.03	1894812.69	1085609.99
POT	127+16.36	1895293.49	1085577.29

ALIGNMENT COORDINATES
NB KINGERY/ IL RT 83

POINT	STATION	NORTHING	EASTING
PT	39+96.65	1893013.62	1086140.55
PI	47+13.15	1893698.25	1085929.34
POT	49+60.87	1893934.60	1085855.15

MODEL: Plan 2 (Civil)
 FILE NAME: P:\000005 - IDOT\040056-01-002 (ENG) - FTB 195-016 Phase II for VanEngineering\W01 - ILB3-IL3B\500 Drawings\502_CADD_Sheets\122M69-sheet1A.dwg



USER NAME	= khejtmanek
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 3/10/2021

DESIGNED	- KH
DRAWN	- KM
CHECKED	- AP
DATE	- 3/11/2021

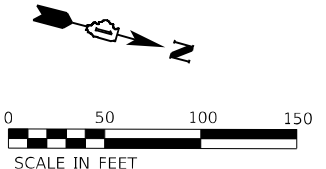
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1"=100' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	20
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND AND SYMBOLS

	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL
	SOLID EDGE LINE, 4"
	SKIP DASH LINE, 4"
	GORE CHEVRON LINE, 1'
	DIAGONAL SHOULDER STRIPE, 1'
	TREE REMOVAL

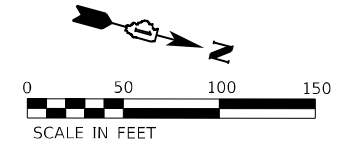
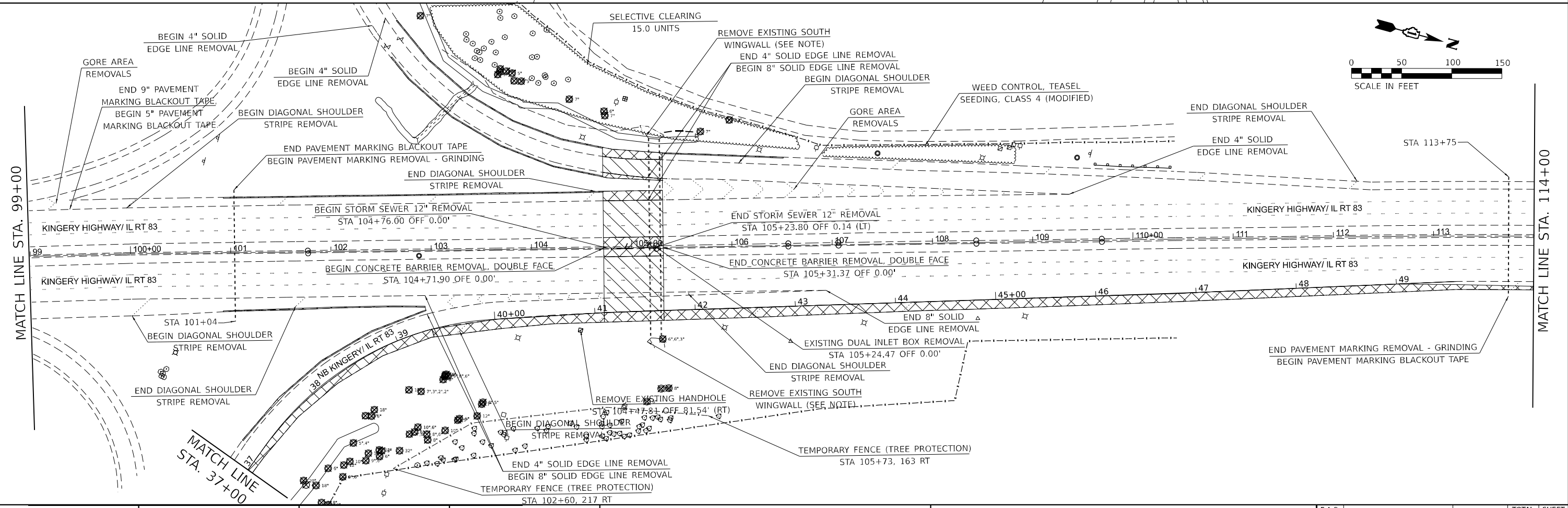
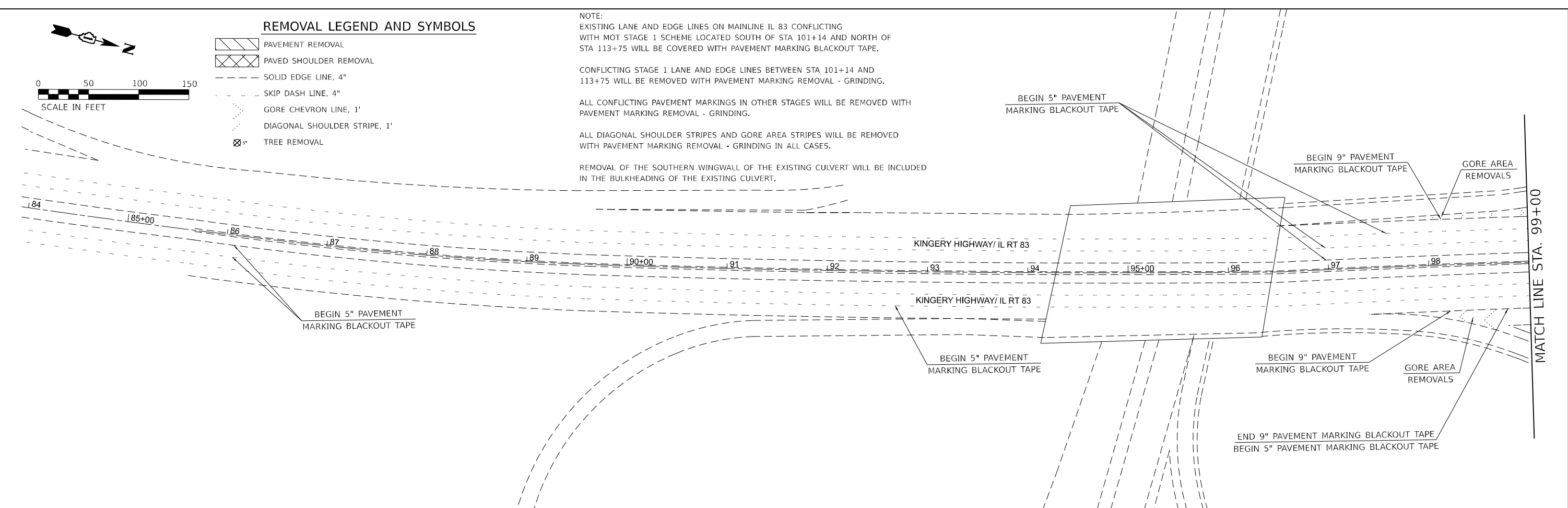
NOTE:
 EXISTING LANE AND EDGE LINES ON MAINLINE IL 83 CONFLICTING WITH MOT STAGE 1 SCHEME LOCATED SOUTH OF STA 101+14 AND NORTH OF STA 113+75 WILL BE COVERED WITH PAVEMENT MARKING BLACKOUT TAPE.

CONFLICTING STAGE 1 LANE AND EDGE LINES BETWEEN STA 101+14 AND 113+75 WILL BE REMOVED WITH PAVEMENT MARKING REMOVAL - GRINDING.

ALL CONFLICTING PAVEMENT MARKINGS IN OTHER STAGES WILL BE REMOVED WITH PAVEMENT MARKING REMOVAL - GRINDING.

ALL DIAGONAL SHOULDER STRIPES AND GORE AREA STRIPES WILL BE REMOVED WITH PAVEMENT MARKING REMOVAL - GRINDING IN ALL CASES.

REMOVAL OF THE SOUTHERN WINGWALL OF THE EXISTING CULVERT WILL BE INCLUDED IN THE BULKHEADING OF THE EXISTING CULVERT.



MODEL: P1811 (1811) FILE NAME: P18110055 - IDOT040058-01-002 (ENGL) - FTB-196-016 Phase II for VotEngineeringW10_1 - ILS-34138-500 Drawings502_CADD_Sheets1D122469-shr-removal.dgn



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 0.16666633 1/16"	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 83+92.98 TO STA. 114+00.00

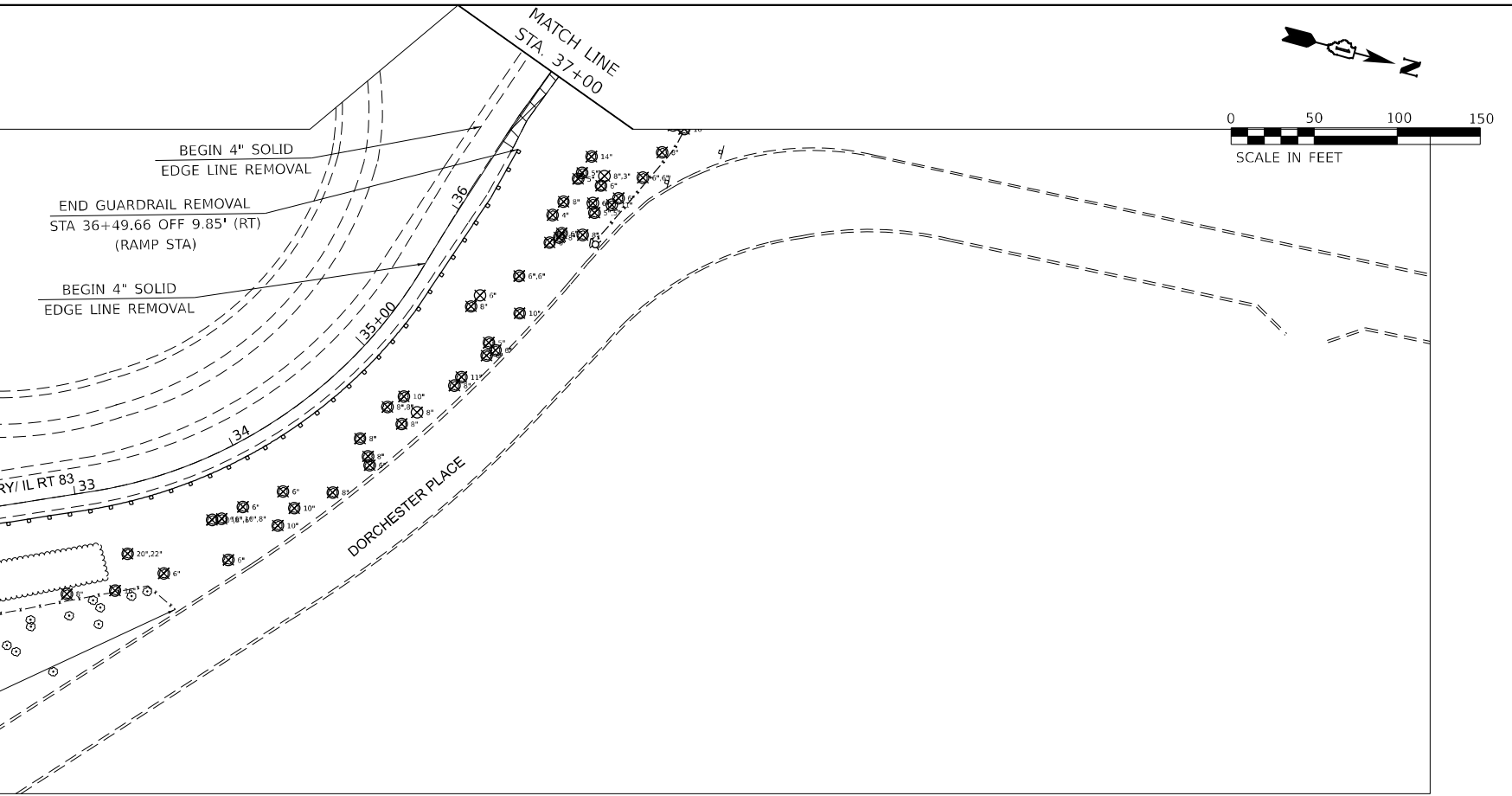
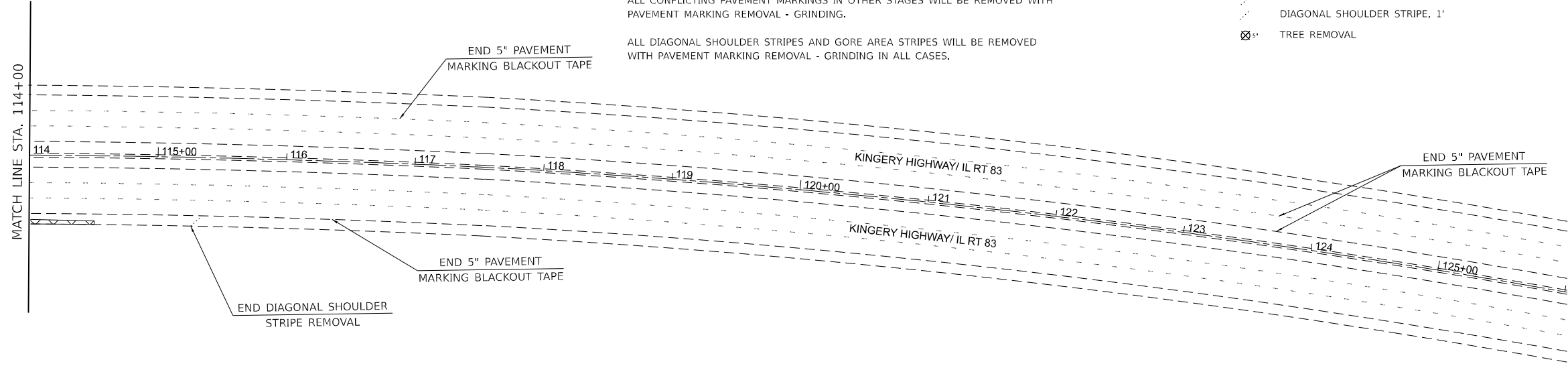
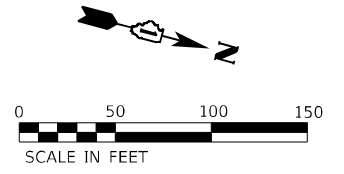
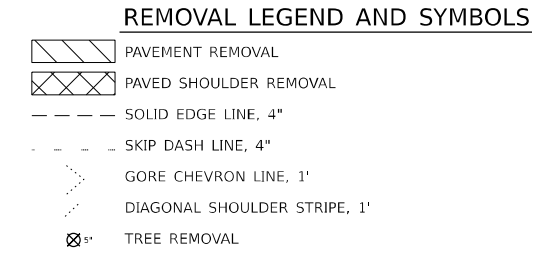
F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 21
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

NOTE:
 EXISTING LANE AND EDGE LINES ON MAINLINE IL 83 CONFLICTING WITH MOT STAGE 1 SCHEME LOCATED SOUTH OF STA 101+14 AND NORTH OF STA 113+75 WILL BE COVERED WITH PAVEMENT MARKING BLACKOUT TAPE.

CONFLICTING STAGE 1 LANE AND EDGE LINES BETWEEN STA 101+14 AND 113+75 WILL BE REMOVED WITH PAVEMENT MARKING REMOVAL - GRINDING.

ALL CONFLICTING PAVEMENT MARKINGS IN OTHER STAGES WILL BE REMOVED WITH PAVEMENT MARKING REMOVAL - GRINDING.

ALL DIAGONAL SHOULDER STRIPES AND GORE AREA STRIPES WILL BE REMOVED WITH PAVEMENT MARKING REMOVAL - GRINDING IN ALL CASES.



MODEL: Plan 2 (17x11) FILE NAME: P:\02055 - IDOT\040058-01-002 (ENGL) - FTB 195-016 Phase II Var Var\Engineering\W0_1 - ILB3-IL3B\500 Drawings\502_CADD_Sheets\122M69-shr-removal.dgn



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
CHECKED - AP	REVISED -	
DATE - 3/11/2021	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	22
CONTRACT NO. 62M69				
ILLINOIS		FED. AID PROJECT		

MAINTENANCE OF TRAFFIC NARRATIVE:

PRE-STAGE

PRIOR TO ANY EXISTING TRAFFIC OR ROAD GEOMETRY MODIFICATIONS, THE TEMPORARY PAVEMENT REQUIRED FOR ALL THREE STAGES OF CONSTRUCTION WILL BE INSTALLED. SECTIONS OF TEMPORARY PAVEMENT WILL BE INSTALLED ALONG BOTH THE NORTHBOUND AND SOUTHBOUND SHOULDERS OF IL-83. TEMPORARY PAVEMENT WILL ALSO BE INSTALLED ON THE IL 38 WEST TO IL 83 NORTH RAMP AND THE IL 83 SOUTH TO IL 38 WEST RAMP. INSTALLATION WILL REQUIRE TEMPORARY CONCRETE BARRIER ALONG THE LENGTH OF THE TEMPORARY PAVEMENT TO BE INSTALLED. BREAKDOWN OF THE LIMITS OF EACH SECTION OF TEMPORARY PAVEMENT TO BE INSTALLED:

- IL 83 NORTHBOUND SHOULDER AND OUTSIDE RAMP APPROX. STA 101+00 TO 114+50
- IL 83 NORTHBOUND SHOULDER AND INSIDE RAMP APPROX. STA 101+00 TO 103+00
- IL 83 SOUTHBOUND SHOULDER AND OUTSIDE RAMP APPROX. STA 102+50 TO 106+50
- IL 83 SOUTHBOUND SHOULDER AND INSIDE RAMP APPROX. STA 101+00 TO 105+50

STAGE 1

THE FIRST STAGE OF CONSTRUCTION WILL UTILIZE A WORK ZONE LOCATED IN THE CENTER LANES AND MEDIAN OF IL 83. TO ACCOMMODATE THIS WORK AREA, TRAFFIC WILL BE SHIFTED TO THE OUTSIDE AND REDUCED FROM 3 TO 2 THROUGH LANES IN EACH DIRECTION.

STARTING AT APPROX. STATION 123+75, THE INSIDE SOUTHBOUND LANE OF TRAFFIC WILL BE MERGED AT A 55:1 TAPER DOWN TO TWO LANES, ENDING AT APPROX. STATION 117+00. FROM THERE, 2 LANES WILL BE MAINTAINED FOR 500' BEFORE BEGINNING A 27.5:1 TAPER SHIFT TO THE WEST ENDING AT APPROX. STATION 105+75. CONCRETE BARRIER TO PROTECT THE WORK AREA WILL BE PROVIDED ALONG THIS SHIFT AT A 12:1 TAPER. AFTER 150' OF STRAIGHT SECTION, THE ROADWAY WILL BEGIN TO SHIFT BACK TOWARDS THE EAST AT 27.5:1 STARTING AT APPROX. STATION 104+25. THE TWO LANES OF TRAFFIC SHIFT TO MATCH THE OUTSIDE TWO LANES OF TRAFFIC IN THE EXISTING CONDITION AT APPROX. STATION 97+00 AND THE INSIDE LANE WILL AGAIN BE AVAILABLE. THE WESTBOUND OFF RAMP ENTRANCE WILL BE MODIFIED SLIGHTLY TO ACCOMMODATE THIS MAIN LANE SHIFT, WITH THE ENTRANCE BEGINNING AT APPROX. STATION 113+25 AND THEN MATCHING THE EXISTING RAMP THEREAFTER.

STARTING AT APPROX. STATION 86+00, THE INSIDE NORTHBOUND LANE OF TRAFFIC WILL BE MERGED AT A 55:1 TAPER DOWN TO TWO LANES, ENDING AT APPROX. STATION 92+50. FROM THERE, 2 LANES WILL BE MAINTAINED FOR APPROX. 500' BEFORE BEGINNING A 27.5:1 TAPER SHIFT TO THE EAST ENDING AT APPROX. STATION 104+25. CONCRETE BARRIER TO PROTECT THE WORK AREA WILL BE PROVIDED ALONG THIS SHIFT AT A 12:1 TAPER. AFTER 150' OF STRAIGHT SECTION, THE ROADWAY WILL BEGIN TO SHIFT BACK TOWARDS THE EAST AT 27.5:1 STARTING AT APPROX. STATION 105+75. THE TWO LANES OF TRAFFIC SHIFT TO MATCH THE OUTSIDE TWO LANES OF TRAFFIC IN THE EXISTING CONDITION AT APPROX. STATION 113+75 AND THE INSIDE LANE WILL AGAIN BE AVAILABLE. THE NORTHBOUND ON RAMP FROM IL 38 WILL BE SHIFTED SLIGHTLY INSIDE AT RADIUS 335' TO MATCH THE MAIN LANE SHIFT. ON THE OUTSIDE OF THE RAMP LANE THERE WILL BE CONCRETE BARRIER TO PROTECT TRAFFIC FROM THE BACKSLOPE INTO THE WETLAND AREA. THE RAMP LANE WILL BEGIN ITS MERGE AFTER THE THROUGH LANES SHIFT AND COMPLETE BY APPROX. STATION 116+25.

ALL THROUGH LANES WILL BE 11' WIDE WITH MINIMUM 1' SHOULDER BETWEEN CONCRETE BARRIERS. CONCRETE BARRIERS WILL BE SPACED FROM THE WORK ZONE TO ALLOW FOR CONSTRUCTABILITY AND AVOID PINNING OF BARRIERS ON NEWLY CONSTRUCTED PAVEMENT (PINNING OF BARRIERS ON EXISTING PAVEMENT WILL BE UTILIZED TO SAVE SPACE).

STAGE 2

THE SECOND STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED TO THE OUTSIDE OF EXISTING TRAFFIC. TO ACCOMMODATE THESE WORK AREAS, THROUGH TRAFFIC WILL BE SHIFTED INSIDE SLIGHTLY AND THE RAMPS WILL BE SHIFTED TO THE OUTSIDE. THERE WILL BE NO LANE REDUCTIONS IN THIS STAGE.

STARTING AT APPROX. STATION 109+00, THE SOUTHBOUND LANES OF TRAFFIC WILL SHIFT AT A 27.5:1 TAPER, ENDING AT APPROX. STATION 105+75. CONCRETE BARRIER TO PROTECT THE WORK AREA WILL BE PROVIDED ALONG THIS SHIFT AT A 12:1 TAPER. AFTER 150' OF STRAIGHT SECTION, THE ROADWAY WILL BEGIN TO SHIFT BACK TOWARDS THE WEST AT 27.5:1 STARTING AT APPROX. STATION 104+25. THE LANES WILL COMPLETE THE LANE SHIFT AT APPROX. STATION 101+00. THE WESTBOUND OFF RAMP ENTRANCE WILL REMAIN UNCHANGED, BUT THE RAMP ITSELF WILL SHIFT TO THE WEST BEGINNING AT APPROX. STATION 109+00. A RADIUS OF 335' WILL BE MAINTAINED THROUGHOUT THE SHIFT AS THE RAMP LANE MATCHES BACK WITH EXISTING.

STARTING AT APPROX. STATION 101+50, THE NORTHBOUND LANES OF TRAFFIC WILL SHIFT AT A 27.5:1 TAPER, ENDING AT APPROX. STATION 104+25. CONCRETE BARRIER TO PROTECT THE WORK AREA WILL BE PROVIDED ALONG THIS SHIFT AT A 12:1 TAPER. AFTER 150' OF STRAIGHT SECTION, THE ROADWAY WILL BEGIN TO SHIFT BACK TOWARDS THE WEST AT 27.5:1 STARTING AT APPROX. STATION 105+75. THE LANES WILL COMPLETE THE LANE SHIFT AT APPROX. STATION 108+50. THE NORTHBOUND ON RAMP WILL BE SHIFTED TO THE EAST AROUND THE WORK ZONE, WITH DRUMS AND BARRIER PROVIDED. A RADIUS OF 335' WILL BE MAINTAINED ON THE CURVE PRIOR TO THE SHIFT.

STAGE 2 (CONT'D)

ALL THROUGH LANES WILL BE 11' WIDE AND BOTH RAMP LANES WILL BE 12' WIDE, EACH WITH MINIMUM 1' SHOULDER BETWEEN CONCRETE BARRIERS. CONCRETE BARRIERS WILL BE SPACED FROM THE WORK ZONE TO ALLOW FOR CONSTRUCTABILITY AND AVOID PINNING OF BARRIERS ON NEWLY CONSTRUCTED PAVEMENT (PINNING OF BARRIERS ON EXISTING PAVEMENT WILL BE UTILIZED TO SAVE SPACE).

STAGE 3

THE THIRD STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED ON THE OUTSIDE EDGE OF THE CULVERT. TO ACCOMMODATE THESE WORK AREAS, THROUGH TRAFFIC AND RAMPS WILL BE SHIFTED INSIDE. THERE WILL BE NO LANE REDUCTIONS IN THIS STAGE.

STARTING AT APPROX. STATION 107+00, THE SOUTHBOUND LANES OF TRAFFIC WILL SHIFT AT A 27.5:1 TAPER, ENDING AT APPROX. STATION 105+75. AFTER 150' OF STRAIGHT SECTION, THE ROADWAY WILL BEGIN TO SHIFT BACK TOWARDS THE WEST AT 27.5:1 STARTING AT APPROX. STATION 104+25. THE LANES WILL COMPLETE THE LANE SHIFT AT APPROX. STATION 103+25. THE WESTBOUND OFF RAMP ENTRANCE WILL BE SHIFTED TO THE EAST TO MATCH THE THROUGH LANES OF TRAFFIC. THE ENTRANCE TAPER WILL BE MODIFIED WITH A TAPER OF DRUMS FOLLOWED BY CONCRETE BARRIER TO PROTECT THE WORK ZONE. AFTER PASSING THE WORK ZONE, THE RAMP LANE WILL SHIFT BACK TO MATCH THE EXISTING ORIENTATION AT A 335' RADIUS.

STARTING AT APPROX. STATION 101+50, THE NORTHBOUND LANES OF TRAFFIC WILL SHIFT AT A 27.5:1 TAPER, ENDING AT APPROX. STATION 104+25. AFTER 150' OF STRAIGHT SECTION, THE ROADWAY WILL BEGIN TO SHIFT BACK TOWARDS THE WEST AT 27.5:1 STARTING AT APPROX. STATION 105+75. THE LANES WILL COMPLETE THE LANE SHIFT AT APPROX. STATION 108+50. THE NORTHBOUND RAMP WILL BE SHIFTED WEST TO MATCH THE THROUGH LANES OF TRAFFIC. A RADIUS OF 335' WILL BE MAINTAINED AS IT SHIFTS FROM THE EXISTING ORIENTATION TO MATCH THE THROUGH LANES. A CONCRETE BARRIER WILL BE INSTALLED TO PROTECT THE WORK ZONE. AFTER PASSING THE WORK ZONE, THE RAMP LANE WILL SHIFT WITH THE THROUGH LANES TO MATCH EXISTING BEFORE MERGING.

ALL THROUGH LANES WILL BE 11' WIDE AND BOTH RAMP LANES WILL BE 12' WIDE, EACH WITH MINIMUM 1' SHOULDER BETWEEN CONCRETE BARRIERS. CONCRETE BARRIERS WILL BE SPACED FROM THE WORK ZONE TO ALLOW FOR CONSTRUCTABILITY AND AVOID PINNING OF BARRIERS ON NEWLY CONSTRUCTED PAVEMENT (PINNING OF BARRIERS ON EXISTING PAVEMENT WILL BE UTILIZED TO SAVE SPACE).

RETAINING WALL CONSTRUCTION WILL OCCUR DURING STAGE 3 TO COINCIDE WITH THE RE-GRADING OF THE SWALE, UP TO THE CONTRACTOR'S DISCRETION.

COMPLETION OF WORK

ONCE TRAFFIC IS PLACED BACK IN EXISTING CONFIGURATION, CONTRACTOR TO REMOVE ALL TEMPORARY PAVEMENT, FINALIZE ALL MAINLINE AND SHOULDER CONSTRUCTION AS SHOWN ON PLANS, AND FINALIZE LANDSCAPING.

PORTABLE CHANGEABLE MESSAGE SIGNS

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE USED IN EACH OF THE MOT STAGES. THE MESSAGES DISPLAYED WILL CHANGE WITH EACH STAGE AND ARE SHOWN BELOW:

PRE-STAGE:	STAGE 1:	STAGE 2:	STAGE 3:
PHRASE 1: CAUTION [DATE]	PHRASE 1: LEFT LN CLOSED AHEAD	PHRASE 1: LANE SHIFT AHEAD	PHRASE 1: CAUTION
PHRASE 2: SHOULDER WORK AHEAD	PHRASE 2: EXPECT DELAYS	PHRASE 2: EXPECT DELAYS	PHRASE 2: LANE SHIFT AHEAD

MODEL: D:\c4\h...
 FILE NAME: P:\C\00089...
 IDOT\040089\01\002 (ENG) - PTB 1954\16 Phase II Var Var\Engineering\WO 1 - IL83-IL38\500 Drawings\502_CADD Sheets\162\168-5-11\DOT\00089.dgn



USER NAME = k\jejtmanek	DESIGNED - KH	REVISED -
PLOT SCALE = 2,0000 ' / in.	DRAWN - KM	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AP	REVISED -
	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGING NOTES
 SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	23
CONTRACT NO. 62M69				
ILLINOIS		FED. AID PROJECT		

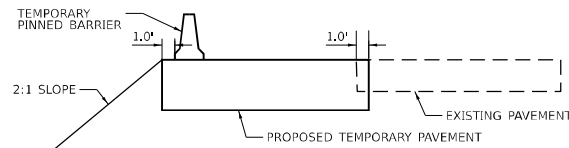
MAINLINE TEMP PAVEMENT DESIGN

- ① 2" HMA SURFACE COURSE, MIX D N70
 - ② 9" HMA BINDER COURSE, IL-19.0 N70
 - ③ 4" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)
- ALTERNATE DESIGN: 9" PCC PAVEMENT
4" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)

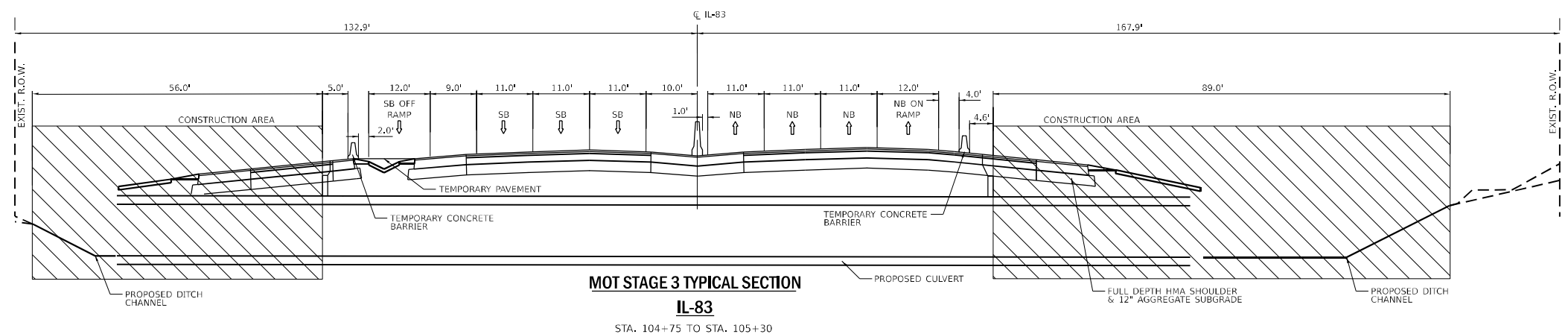
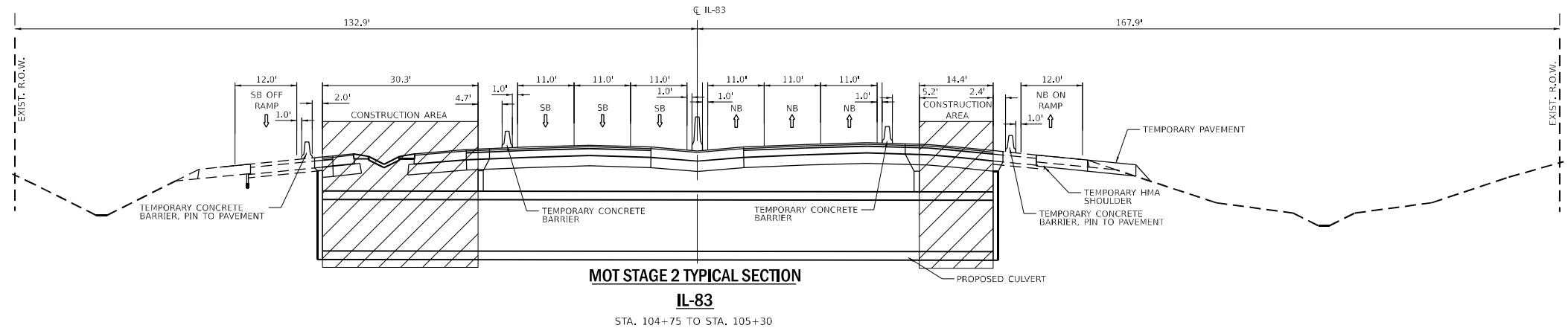
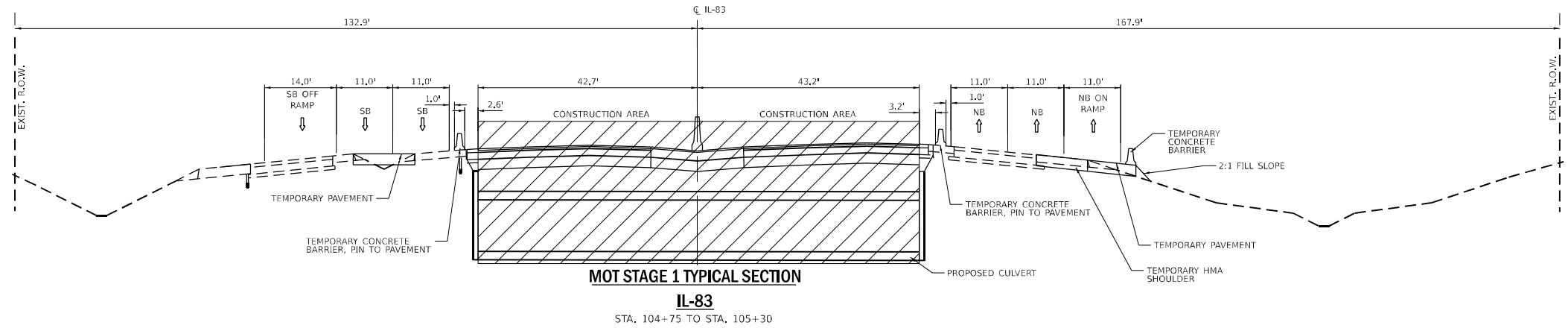
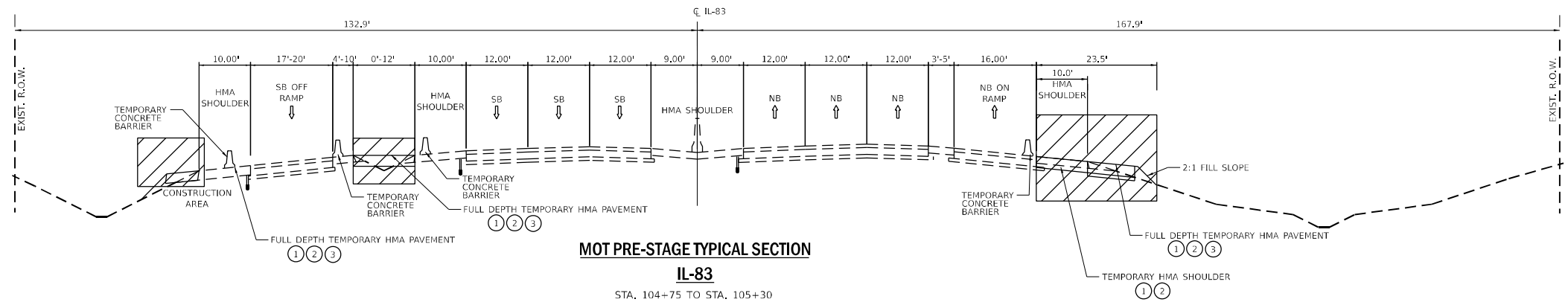
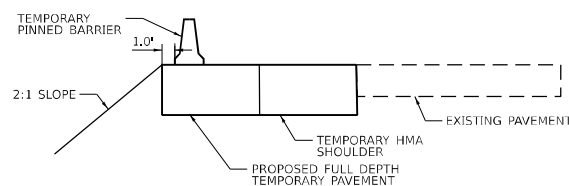
CONSTRUCTION AREA LEGEND



TEMPORARY PAVEMENT DETAIL - MAINLINE



TEMPORARY PAVEMENT DETAIL - SB & NB RAMPS



MODEL: D:\p1\11\DOT\040058\01\002 (ENG) - PTB 1954-016 Phase II Vpr Vpr\Engineering\WO 1 - IL83-IL38500 Drawings\502 CADD Sheets\162M69-IL83MOTSections.dgn
 FILE NAME: P:\040058 - IDOT\040058\01\002 (ENG) - PTB 1954-016 Phase II Vpr Vpr\Engineering\WO 1 - IL83-IL38500 Drawings\502 CADD Sheets\162M69-IL83MOTSections.dgn

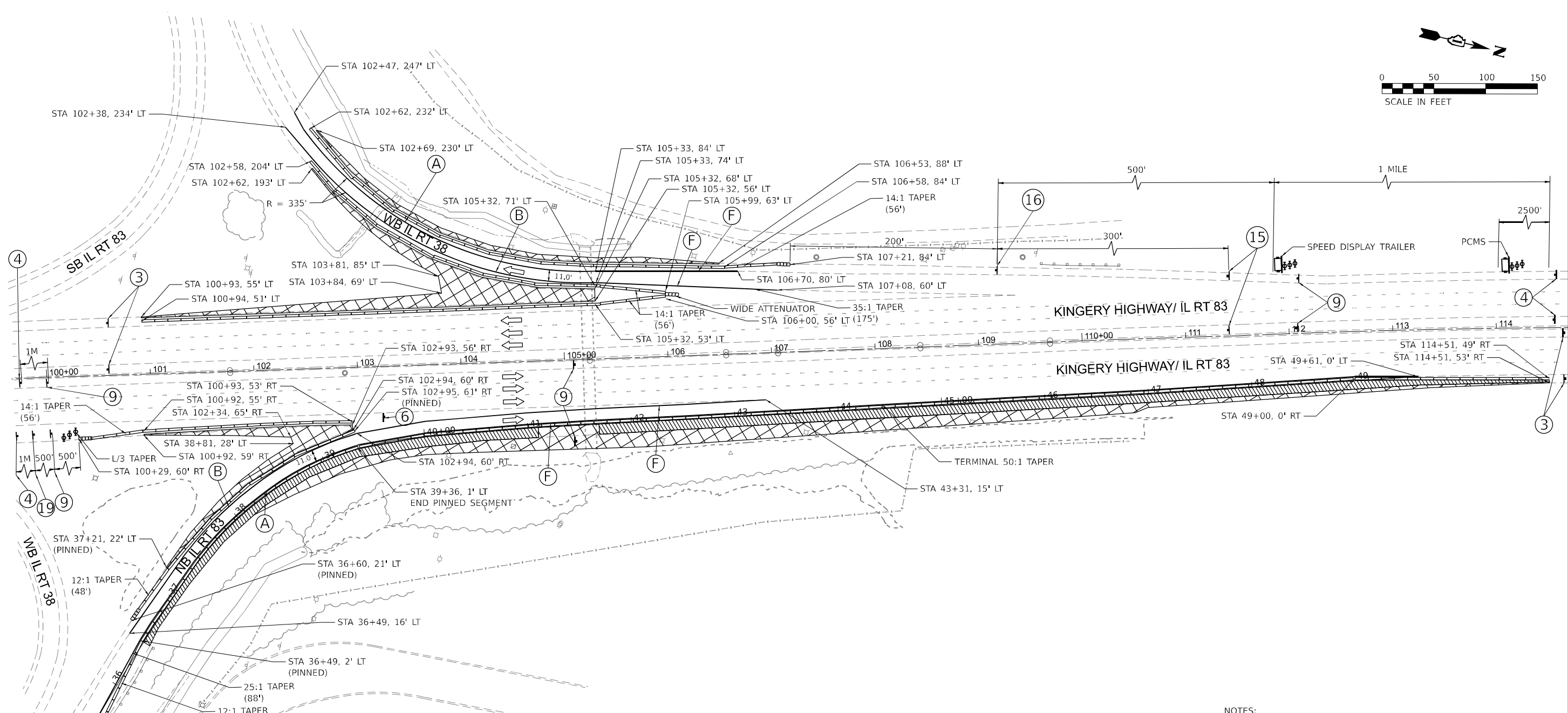
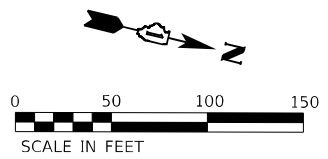
Bowman CONSULTING
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-414-0580
 www.bowmanconsulting.com

USER NAME = kjejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGING NOTES			
SCALE: NONE	SHEET 2	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	



- PLACE SIGNS ON BOTH SIDES OF NB IL 83 RAMP:
- ⑤ AT 27+29
 - ⑦ AT 29+29
 - ⑩ AT 31+29
 - ⑫ AT 33+29

MOT LEGEND AND SYMBOLS

- TEMPORARY PAVEMENT AREA
- FULL DEPTH SHOULDER REPLACEMENT AREA
- WORK AREA
- TEMPORARY DRUMS (SPACED 50' TYP.)
- 4" SOLID WHITE LINE (A)
- 4" SOLID YELLOW LINE (B)
- 4" SKIP DASH WHITE LINE (3' DASH, 9' SKIP) (C)
- 4" SKIP DASH WHITE LINE (10' DASH, 30' SKIP) (D)
- 4" SKIP DASH WHITE LINE (2' DASH, 6' SKIP) (E)
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DIRECTION INDICATOR BARRICADE w/STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' TYP.)
- ARROW BOARD
- TYPE II BARRICADE
- TYPE III BARRICADE
- 8" SOLID WHITE LINE (F)

NOTES:

- SIGN ⑫ SHALL BE PLACED 500 FEET TO EAST OF THE GORE AREA LOCATED BETWEEN WB IL 38 MAINLINE AND NB IL 83 RAMP TO WARN ONCOMING TRAFFIC OF WIDTH RESTRICTION ON NB IL 83 RAMP.
- INCLUDE PCMS ASSEMBLY AT SOUTH END OF PROJECT 500' IN ADVANCE OF SIGN ⑤
- INCLUDE SPEED DISPLAY TRAILER ASSEMBLY AT SOUTH END OF PROJECT AT SAME LOCATION AS SIGN ⑩
- SIGN PLACEMENT FOR APPROACH TO WORK ZONE FOLLOW STD. 701440-10.

MODEL: P1811 (18x11) FILE NAME: P18110058-01-002 (ENGL) - FTB-195-016 Phase II for VanEngineeringW01 - ILB3-IL38-500 Drawings502_CADD_SheetsID: 62169-seh1401-PreStage.dgn



USER NAME = apatel	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
CHECKED - AP	REVISED -	
DATE - 3/11/2021	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - PRE-STAGE			
SCALE: 1"=50'	SHEET 3	OF 7 SHEETS	STA. 99+65.97 TO STA. 114+69.60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	25
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

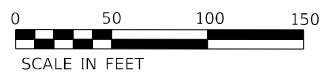
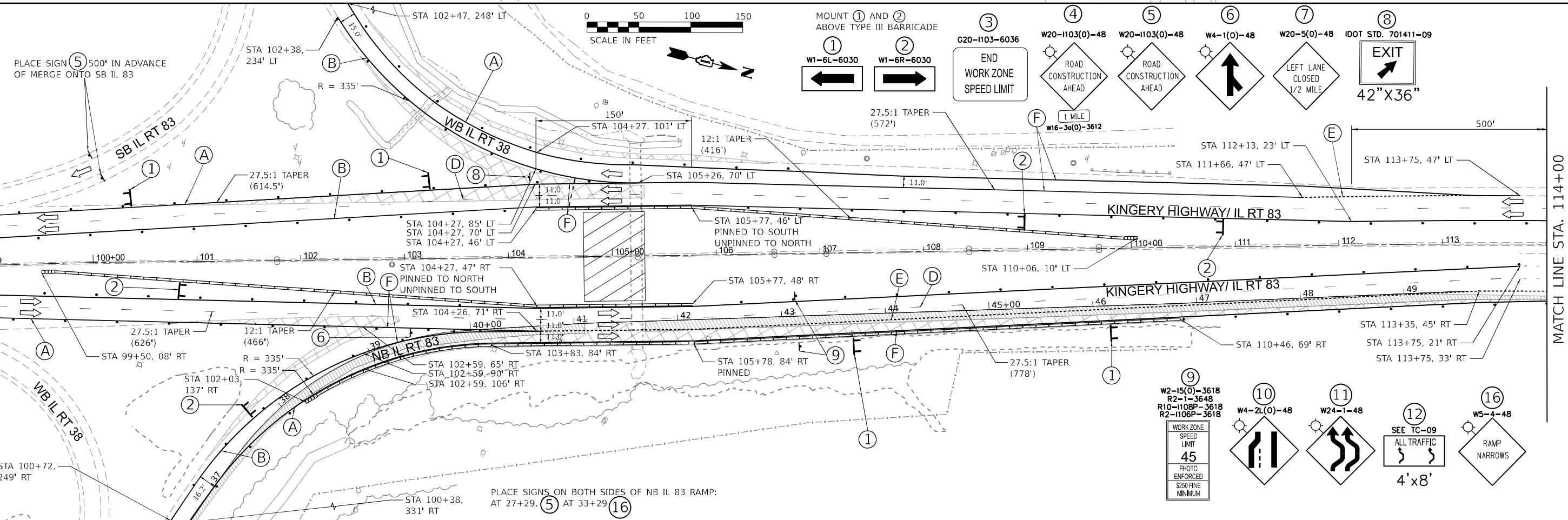
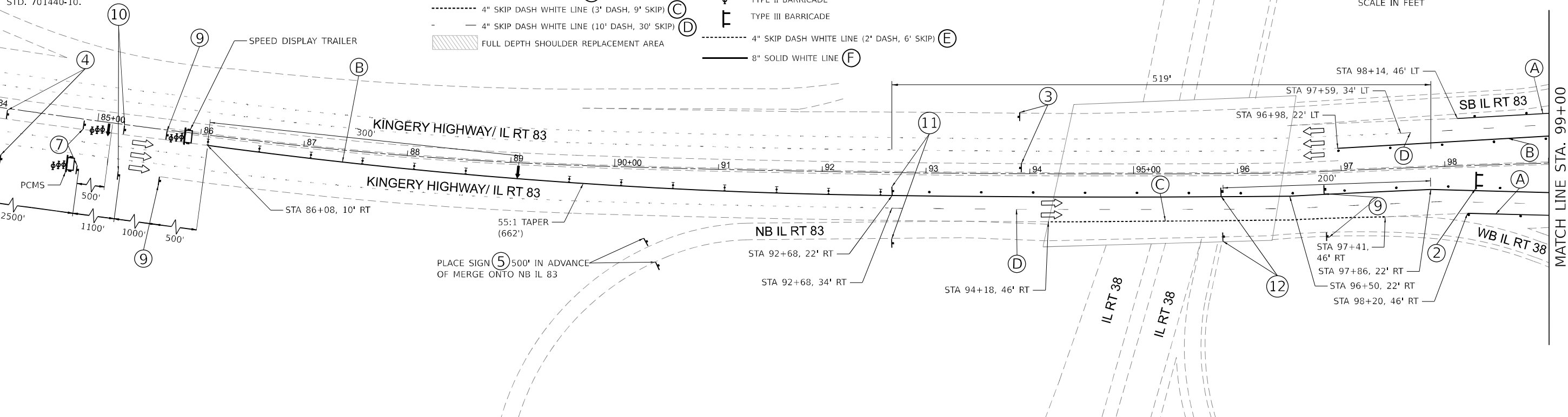
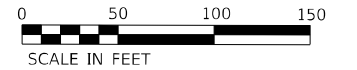
NOTE:
 ADD ADVANCE ROAD CONSTRUCTION AHEAD SIGNAGE (SIGN 5)
 ALONG RAMP FROM EB BUTTERFIELD ROAD (IL 56) TO NB IL 83

ADDITIONALLY, ADD LANE DROP SIGNAGE (SIGN 10) JUST NORTH OF
 WHERE THIS RAMP JOINS NB IL 83.

SIGN PLACEMENT FOR APPROACH TO WORK ZONE FOLLOW
 STD. 701440-10.

MOT LEGEND AND SYMBOLS

- TEMPORARY PAVEMENT AREA
- WORK AREA
- TEMPORARY DRUMS (SPACED 50' TYP.)
- 4" SOLID WHITE LINE (A)
- 4" SOLID YELLOW LINE (B)
- 4" SKIP DASH WHITE LINE (3' DASH, 9' SKIP) (C)
- 4" SKIP DASH WHITE LINE (10' DASH, 30' SKIP) (D)
- FULL DEPTH SHOULDER REPLACEMENT AREA
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DIRECTION INDICATOR BARRICADE w/STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' TYP.)
- ARROW BOARD
- TYPE II BARRICADE
- TYPE III BARRICADE
- 4" SKIP DASH WHITE LINE (2' DASH, 6' SKIP) (E)
- 8" SOLID WHITE LINE (F)



- 1 MOUNT 1 AND 2 ABOVE TYPE III BARRICADE
- 2 W1-6L-6030
- 3 G20-1103-6036
- 4 W20-1103(0)-48
- 5 W20-1103(0)-48
- 6 W4-1(0)-48
- 7 W20-5(0)-48
- 8 IDOT STD. 701411-09 EXIT 42" X 36"

- 9 W2-15(0)-3618
- 10 R2-1-3648
- 11 R10-1108P-3618
- 12 R2-1106P-3618
- 13 WORK ZONE SPEED LIMIT 45 PHOTO ENFORCED \$250 FINE MINIMUM
- 14 W4-2L(0)-48
- 15 W24-1-48
- 16 SEE TC-09 ALL TRAFFIC 4' X 8'
- 17 W5-4-48

MODEL: P104 (Sheet) FILE NAME: P1040055 - IDOT1040055-01-002 (ENGLISH) - Phase II for WorkEngineeringW01 - ILB34L3B500 Drawings502_CADD_Sheets102M69Sheet1401-Stage1.dgn

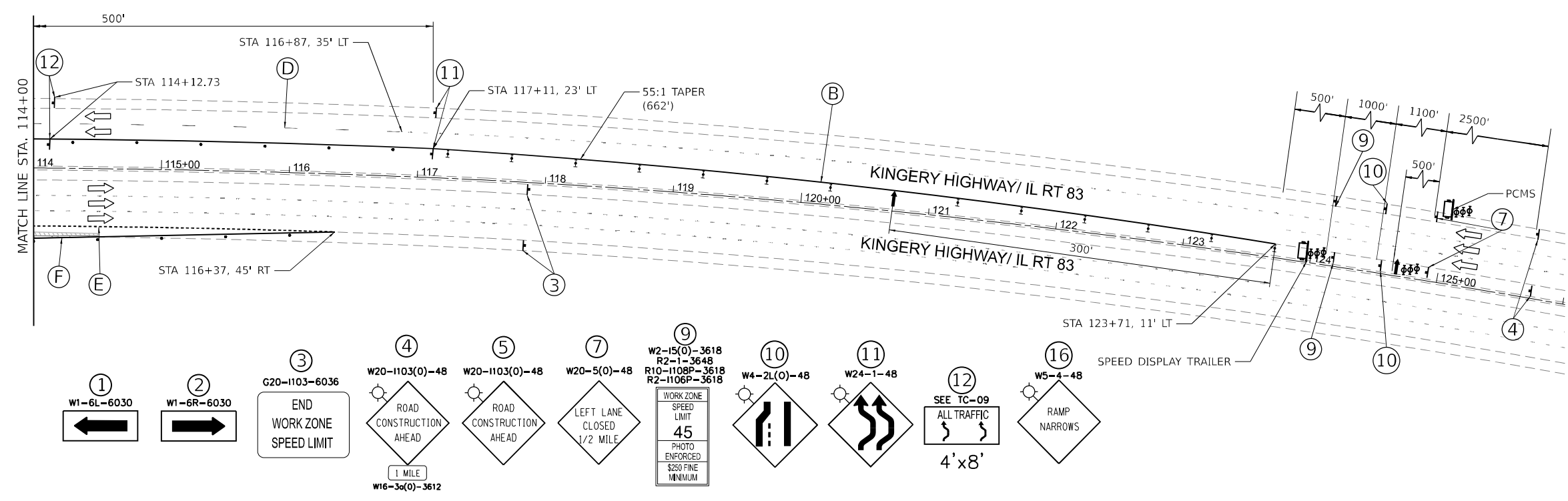
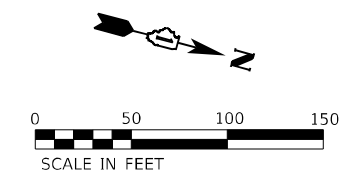


USER NAME = apatel	DESIGNED - KH	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KM	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AP	REVISED -
	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 1
 SCALE: 1"=50' SHEET 4 OF 7 SHEETS STA. 83+92.98 TO STA. 114+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	26
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	



- MOT LEGEND AND SYMBOLS**
- TEMPORARY PAVEMENT AREA
 - FULL DEPTH SHOULDER REPLACEMENT AREA
 - WORK AREA
 - TEMPORARY DRUMS (SPACED 50' TYP.)
 - 4" SOLID WHITE LINE (A)
 - 4" SOLID YELLOW LINE (B)
 - 4" SKIP DASH WHITE LINE (3' DASH, 9' SKIP) (C)
 - 4" SKIP DASH WHITE LINE (10' DASH, 30' SKIP) (D)
 - 4" SKIP DASH WHITE LINE (2' DASH, 6' SKIP) (E)
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
 - DIRECTION INDICATOR BARRICADE w/STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' TYP.)
 - ARROW BOARD
 - TYPE II BARRICADE
 - TYPE III BARRICADE
 - 8" SOLID WHITE LINE (F)

MODEL: Plan 6 (Sheet) FILE NAME: P:\020055 - I\DOT\040055-01-2021 (ENG) - FTB-195-016 Phase II For VanEngineering\W01 - ILB3-IL3B\500 Drawings\502_CADD_Sheets\162\69-sheet\401-Stage1.dgn



USER NAME = apatel	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 0.16666633 1/ in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

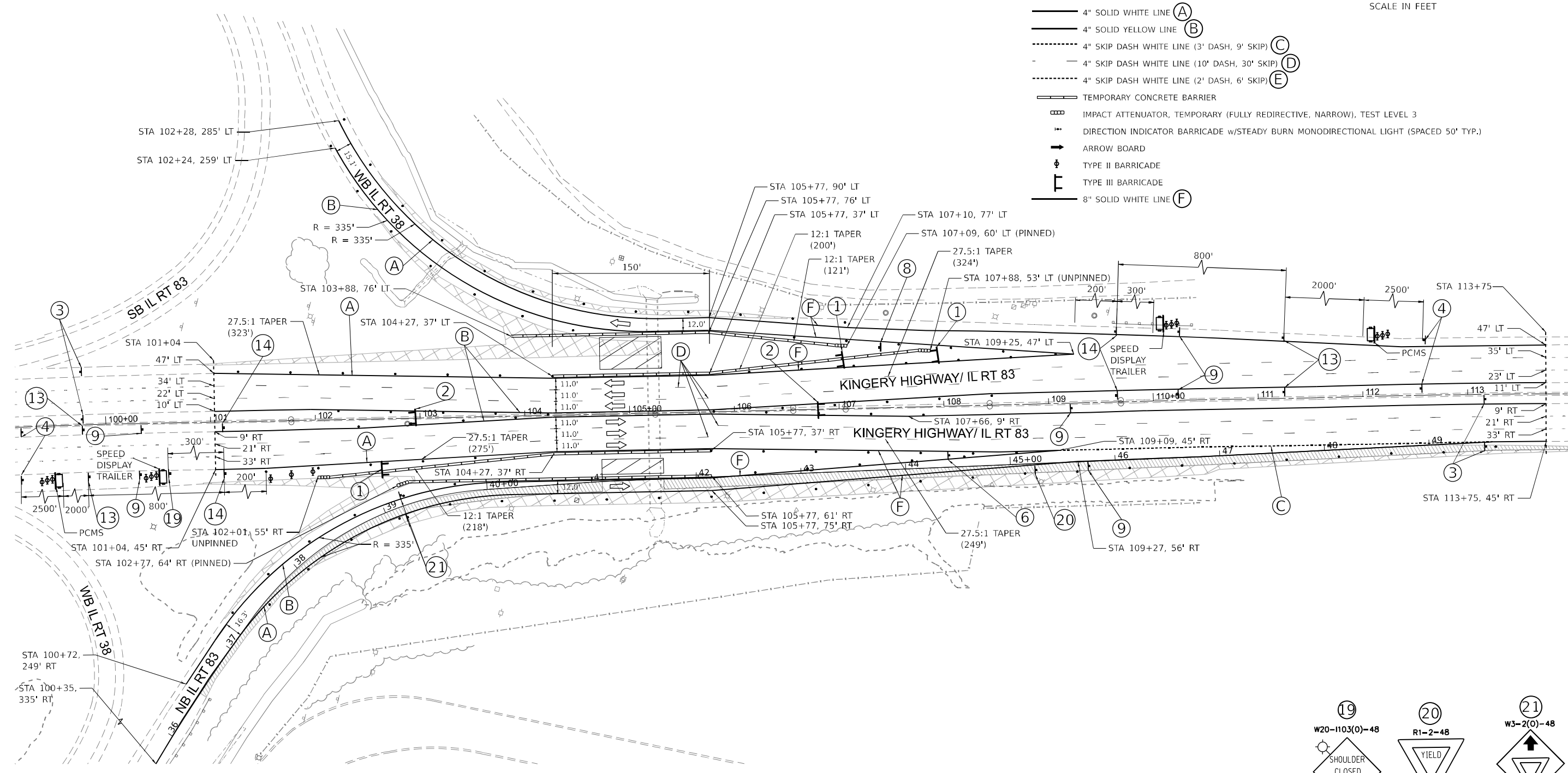
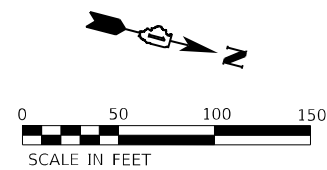
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 1
 SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. 114+00.00 TO STA. 126+01.94

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	27
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

MOT LEGEND AND SYMBOLS

- TEMPORARY PAVEMENT AREA
- FULL DEPTH SHOULDER REPLACEMENT AREA
- WORK AREA
- TEMPORARY DRUMS (SPACED 50' TYP.)
- 4" SOLID WHITE LINE (A)
- 4" SOLID YELLOW LINE (B)
- 4" SKIP DASH WHITE LINE (3' DASH, 9' SKIP) (C)
- 4" SKIP DASH WHITE LINE (10' DASH, 30' SKIP) (D)
- 4" SKIP DASH WHITE LINE (2' DASH, 6' SKIP) (E)
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DIRECTION INDICATOR BARRICADE w/STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' TYP.)
- ARROW BOARD
- TYPE II BARRICADE
- TYPE III BARRICADE
- 8" SOLID WHITE LINE (F)



NOTE:
 PLACE SIGNS ON BOTH SIDES OF NB IL 83 RAMP:
 (5) AT 27+29, (15) AT 31+29, (16) AT 33+29
 SIGN PLACEMENT FOR APPROACH TO WORK ZONE FOLLOW
 STD. 701440-10.

(1) W1-6L-6030

(2) W1-6R-6030

MOUNT (1) AND (2) ABOVE
TYPE III BARRICADE

(3) G20-1103-6036

END
WORK ZONE
SPEED LIMIT

(1 MILE)

W16-3a(0)-3612

(4) W20-1103(0)-48

ROAD
CONSTRUCTION
AHEAD

(5) W20-1103(0)-48

ROAD
CONSTRUCTION
AHEAD

(6) W4-1(0)-48

↑

(8) IDOT STD. 701411-09

EXIT

42" X 36"

(9) W2-15(0)-3618
R2-1-3648
R10-1108P-3618
R2-1106P-3618

WORK ZONE
SPEED
LIMIT
45
PHOTO
ENFORCED
\$250 FINE
MINIMUM

(13) W24-1-48

SEE TC-09
ALL TRAFFIC

4' x 8'

(14) W20-1103(0)-48

SHOULDER
CLOSED
AHEAD

(15) R1-2-48

YIELD

(16) W3-2(0)-48

↑

(17) W5-4-48

RAMP
WORK
AHEAD

48" x 48"

(18) W3-2(0)-48

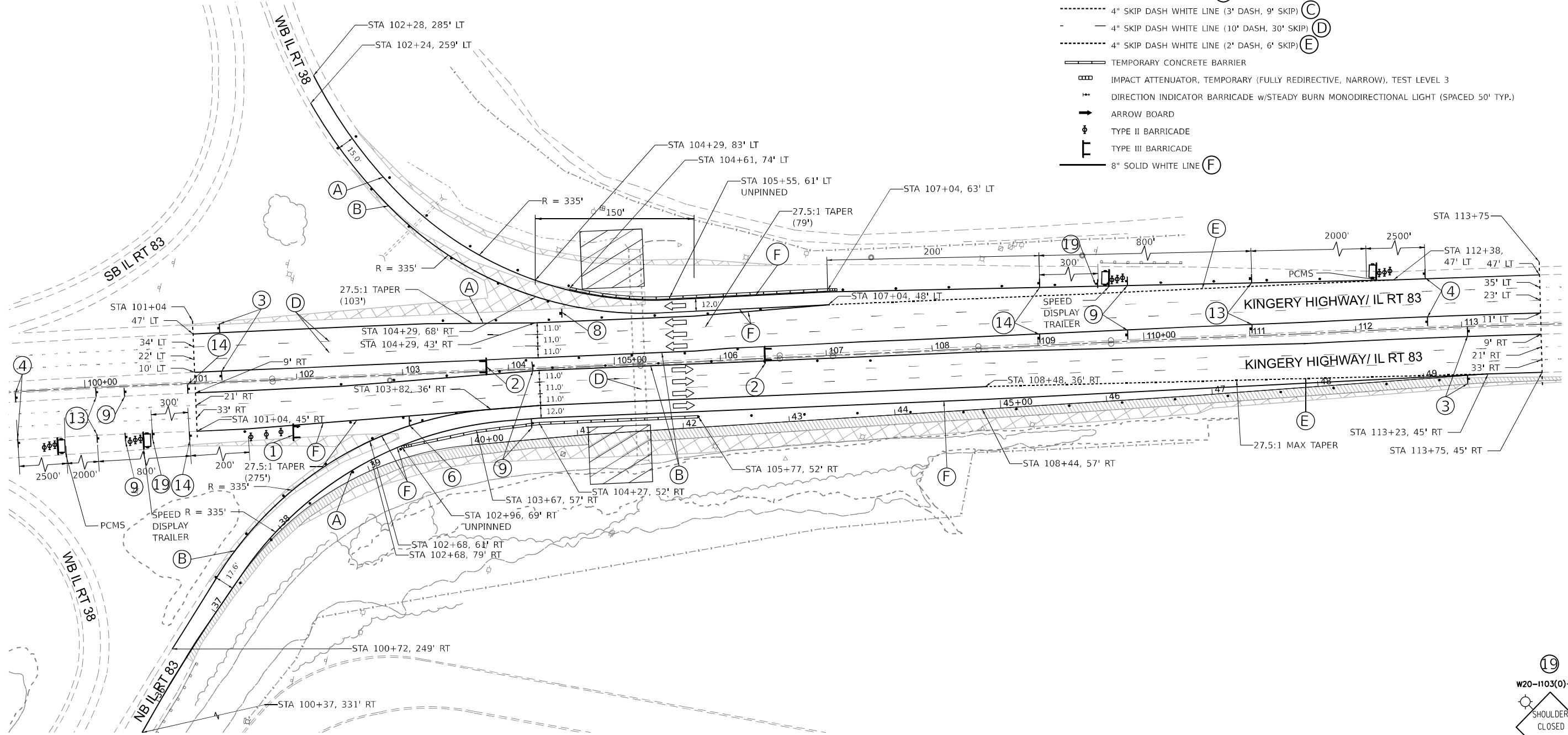
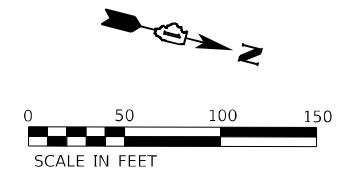
RAMP
NARROWS

MODEL: Plan 2 (11-14)
 FILE NAME: P:\000005 - IDOT\000505-01-002 (ENGL) - FTB-195-016 Phase II Var WorkEngineering\W01 - ILB3-IL38-500 Drawings\502_CADD_Sheets\02-MOT-Stage2.dgn
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-454-0500
 www.bowmanconsulting.com

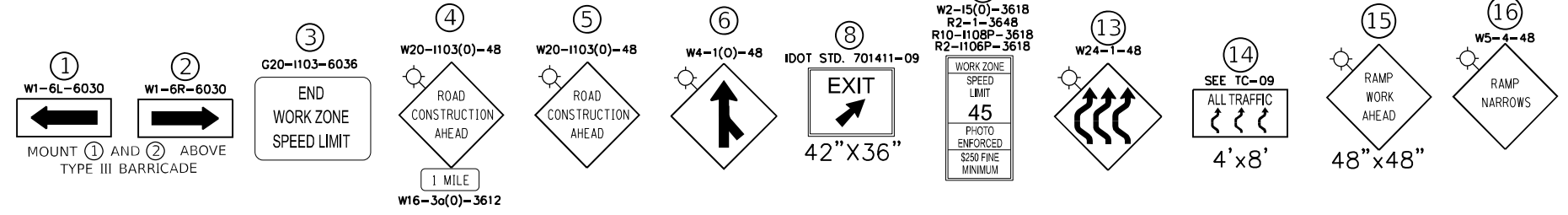
Bowman CONSULTING	USER NAME = apatel	DESIGNED - KH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE 2	F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 28
	PLOT SCALE = 0.166666' / in.	CHECKED - AP	REVISED -			SCALE: 1"=50'	SHEET 6 OF 7 SHEETS	STA. 99+13.29 TO STA. 114+00.00	CONTRACT NO. 62M69	
	PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -							

MOT LEGEND AND SYMBOLS

- TEMPORARY PAVEMENT AREA
- FULL DEPTH SHOULDER REPLACEMENT AREA
- WORK AREA
- TEMPORARY DRUMS (SPACED 50' TYP.)
- 4" SOLID WHITE LINE (A)
- 4" SOLID YELLOW LINE (B)
- 4" SKIP DASH WHITE LINE (3' DASH, 9' SKIP) (C)
- 4" SKIP DASH WHITE LINE (10' DASH, 30' SKIP) (D)
- 4" SKIP DASH WHITE LINE (2' DASH, 6' SKIP) (E)
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DIRECTION INDICATOR BARRICADE w/STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' TYP.)
- ARROW BOARD
- TYPE II BARRICADE
- TYPE III BARRICADE
- 8" SOLID WHITE LINE (F)



NOTE:
 PLACE SIGNS ON BOTH SIDES OF NB IL 83 RAMP:
 (5) AT 27+29, (15) AT 31+29, (16) AT 33+29
 SIGN PLACEMENT FOR APPROACH TO WORK ZONE FOLLOW
 STD. 701440-10.



MODEL: Plan 1 (11x17) FILE NAME: P:\020055 - IDOT\040058-01-202 (ENGL) - FTB-195-016 Phase II for VotE\Engineering\W01 - ILB3-IL38\500 Drawings\502 CADD Sheets\102\10269-sheet4-MOT-Stage3.dgn



USER NAME = apatel	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 0.16666633 1/16"	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE 3

SCALE: 1"=50' SHEET 7 OF 7 SHEETS STA. 99+27.98 TO STA. 113+58.02

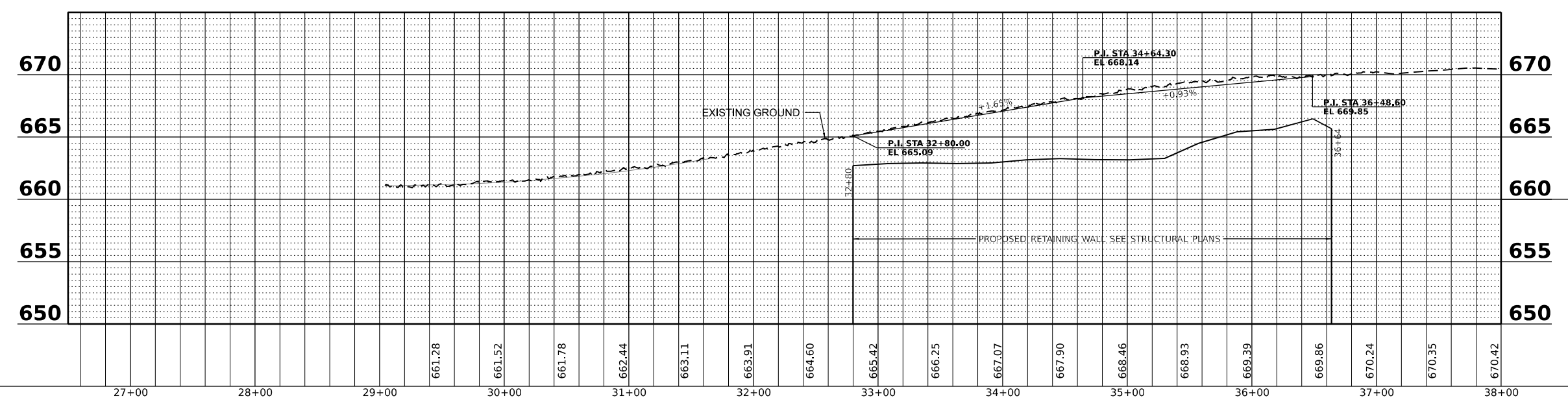
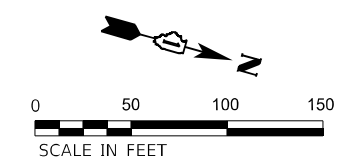
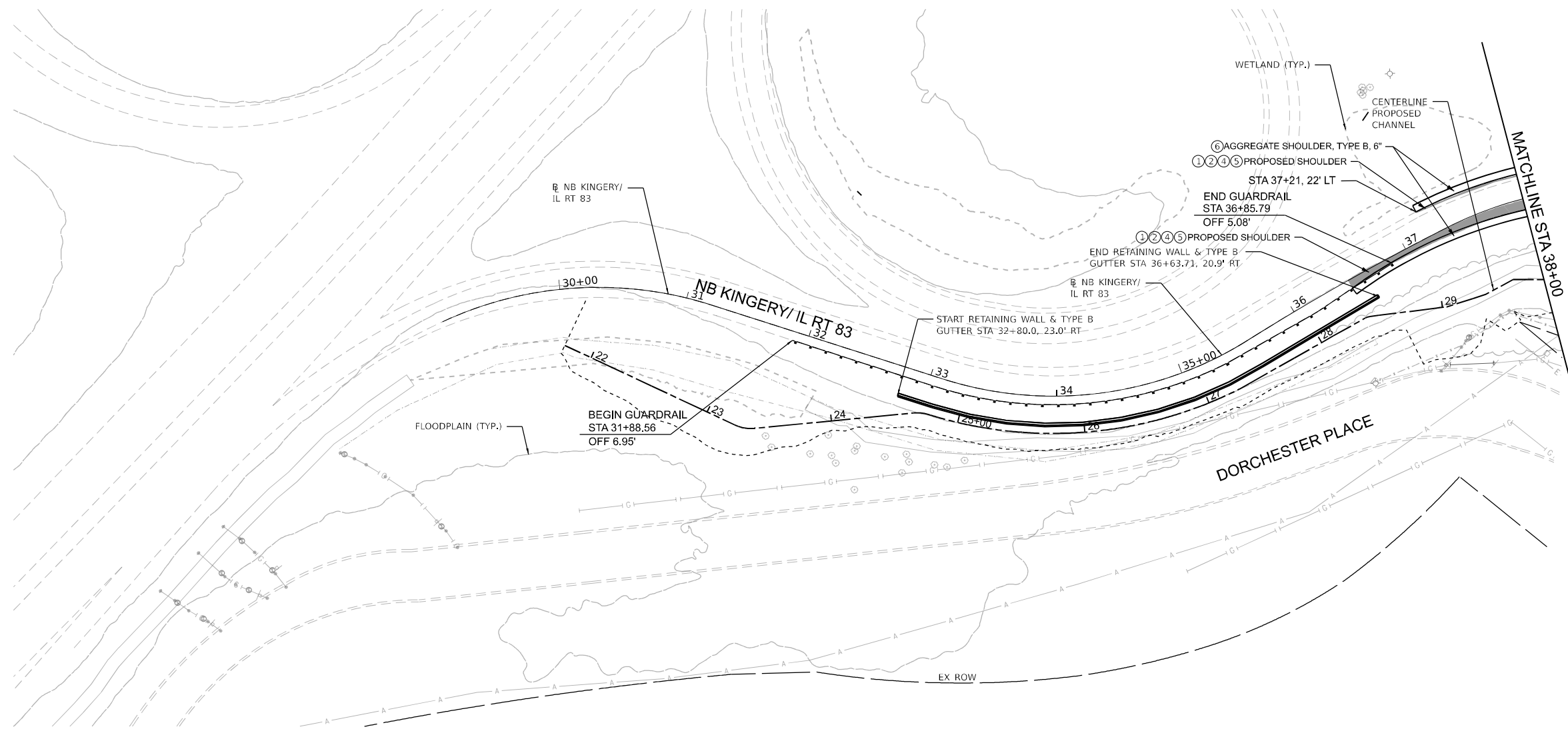
F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	

PROPOSED ROADWAY LEGEND

- ① POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
- ② POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, 2 1/4"
- ③ CLASS A PAVEMENT PATCH - 8" CRC
- ④ CLASS B PAVEMENT PATCH - 8" PCC
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT (12")
- ⑥ AGGREGATE SHOULDER, TYPE B, 6"
- PROPOSED PAVEMENT/SHOULDER

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	

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



MODEL: Plan 2 (Sheet)
FILE NAME: P:\020058 - I021040608-01-002 (ENG) - FTB 195-016 Phase II for VanEngineering\01 - I021040608-01-002-002.dwg

Bowman CONSULTING
311 S. Wacker Drive, Suite 1950
Chicago, Illinois 60606
312-454-0300
www.bowmanconsulting.com

USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	CHECKED - AP	REVISED -
DATE - 3/11/2021		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

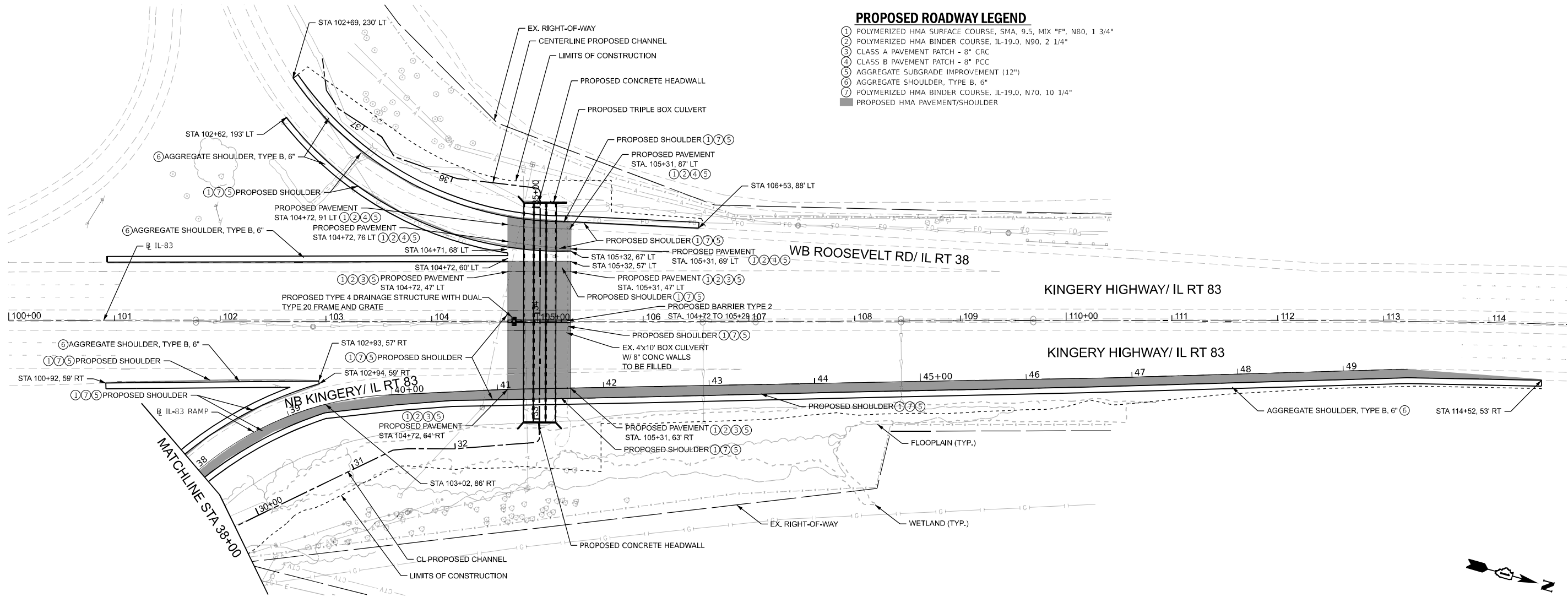
NB KINGERY/IL RT 83 PLAN AND PROFILE	
SCALE: 1"=50'	SHEET 1 OF 2 SHEETS
STA. 26+50.00	TO STA. 38+00.00

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 30
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

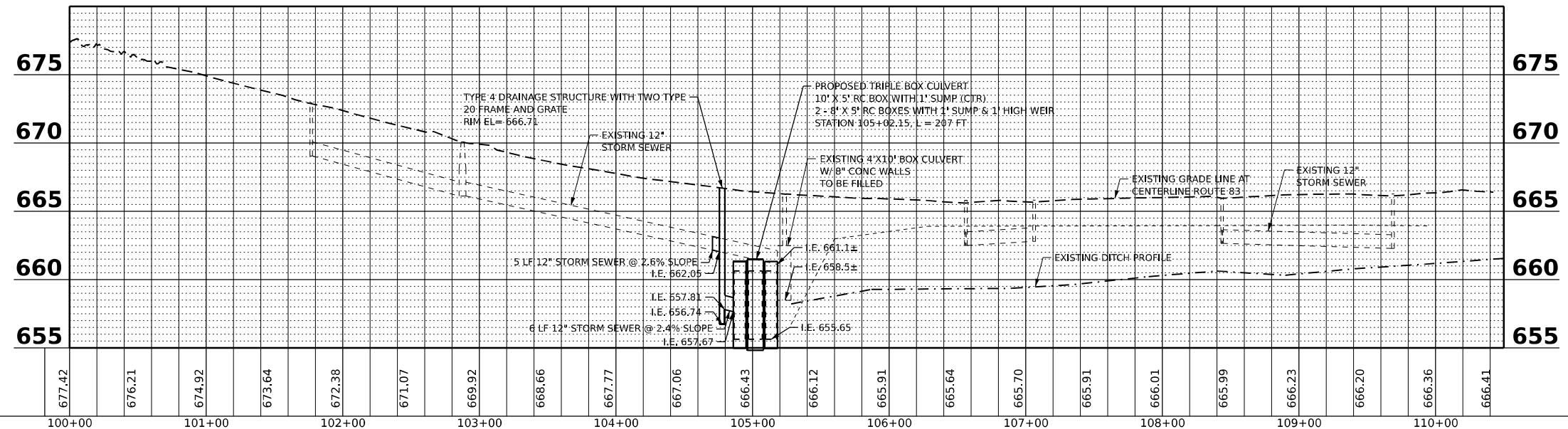
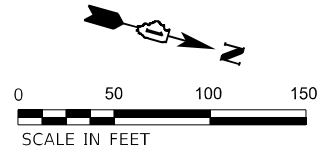
DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
NO. /	
NOTE BOOK	
NO.	
CADD FILE NAME	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NO. /	
NOTE BOOK	
NO.	
STRUCTURE NOTATION CHKD	

MODEL: Plan 1 (Sheet) FILE NAME: P:\060055 - I001040008-01-202 (ENG) - FTB 195-016 Phase II For VanEngineering\01 - I001040008-01-202\Drawings\502 Cadd Sheets\01\20195-shr-211p\plan\plan1.dwg



- PROPOSED ROADWAY LEGEND**
- ① POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
 - ② POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, 2 1/4"
 - ③ CLASS A PAVEMENT PATCH - 8" CRC
 - ④ CLASS B PAVEMENT PATCH - 8" PCC
 - ⑤ AGGREGATE SUBGRADE IMPROVEMENT (12")
 - ⑥ AGGREGATE SHOULDER, TYPE B, 6"
 - ⑦ POLYMERIZED HMA BINDER COURSE, IL-19.0, N70, 10 1/4"
 - PROPOSED HMA PAVEMENT/SHOULDER



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISOR -	
CHECKED - AP	REVISOR -	
DATE - 3/11/2021	REVISOR -	

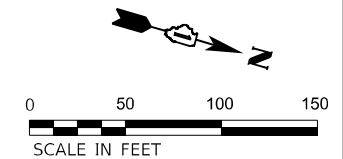
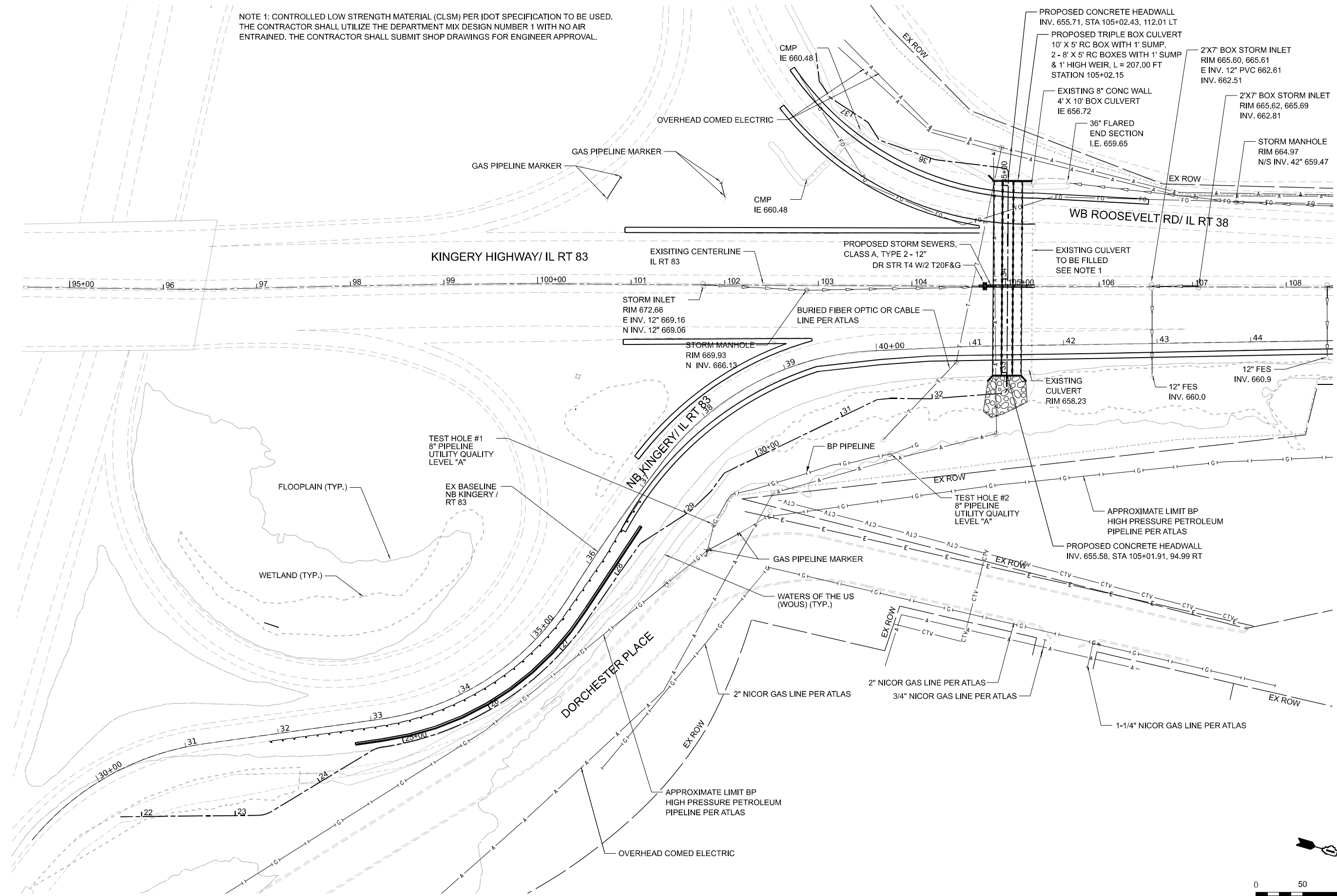
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**KINGERY HIGHWAY / IL RT 83
PLAN AND PROFILE**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 100+00.00 TO STA. 110+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	31
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

NOTE 1: CONTROLLED LOW STRENGTH MATERIAL (CLSM) PER IDOT SPECIFICATION TO BE USED. THE CONTRACTOR SHALL UTILIZE THE DEPARTMENT MIX DESIGN NUMBER 1 WITH NO AIR ENTRAINED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER APPROVAL.



MODEL: Plan 1 (Sheet) FILE NAME: P:\020055 - IDOT\040055-01-2021 (ENGL) - FTB-195-016 Phase II for WaterEngineering\W0_1 - ILB3-IL38-500 Drawings\502_CADD_Sheets\02\020055-Drain&Utilities.dwg



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 0.166666' / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

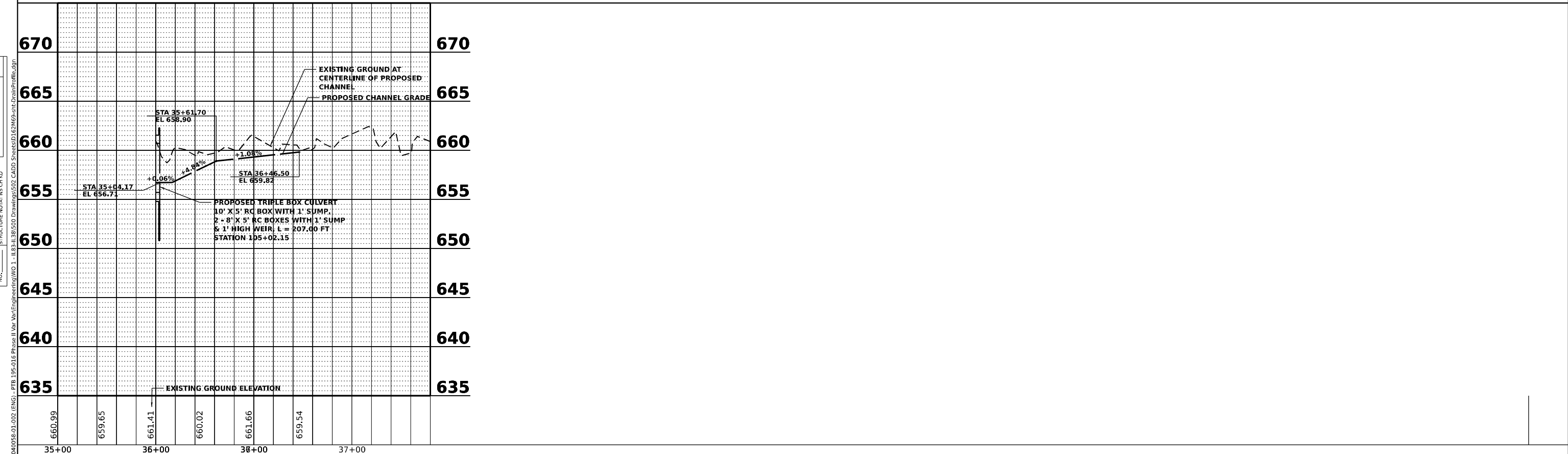
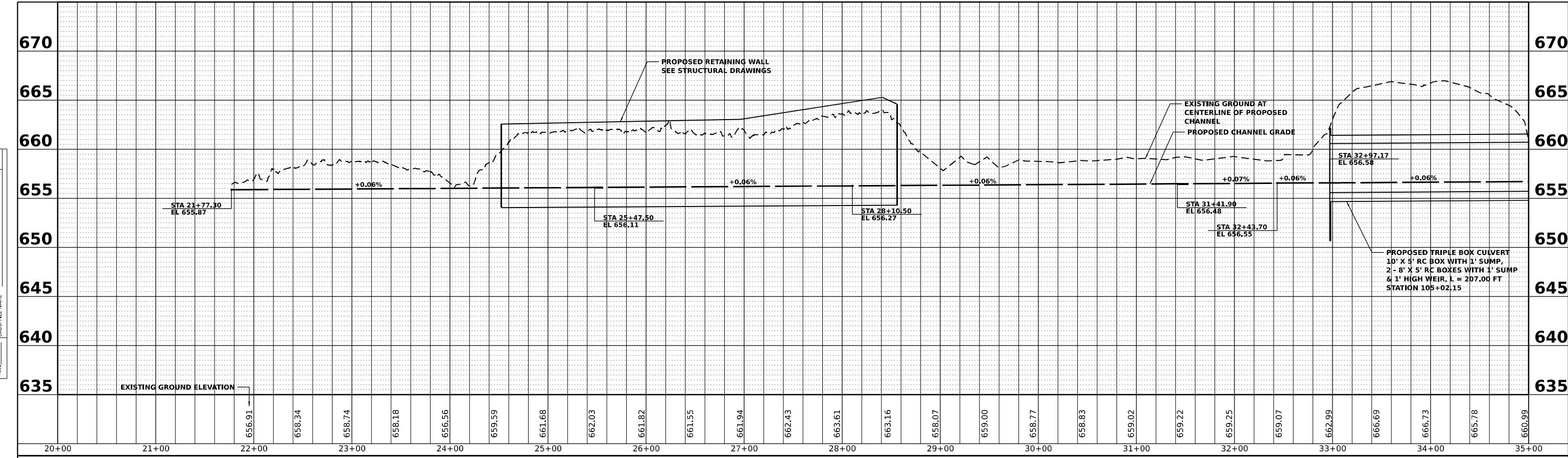
**DRAINAGE AND UTILITIES
PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 94+50.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	32
			CONTRACT NO. 62M69	
		ILLINOIS	FED. AID PROJECT	

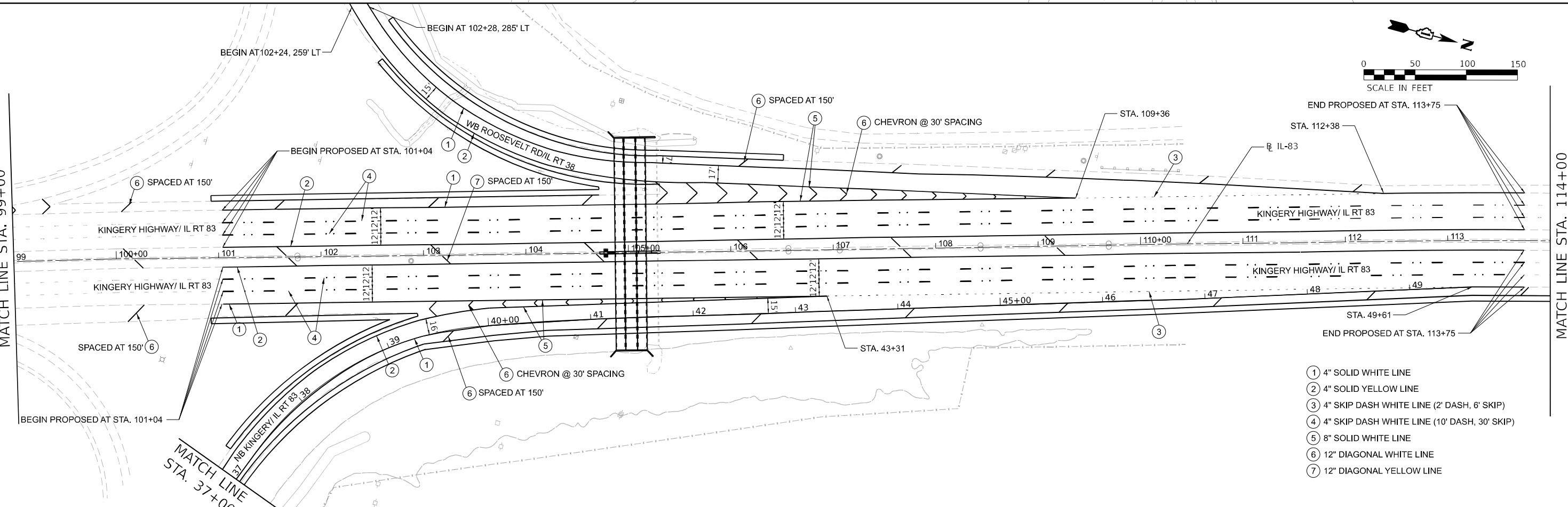
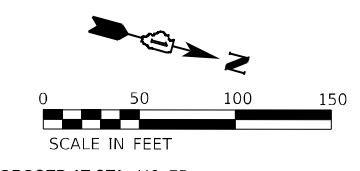
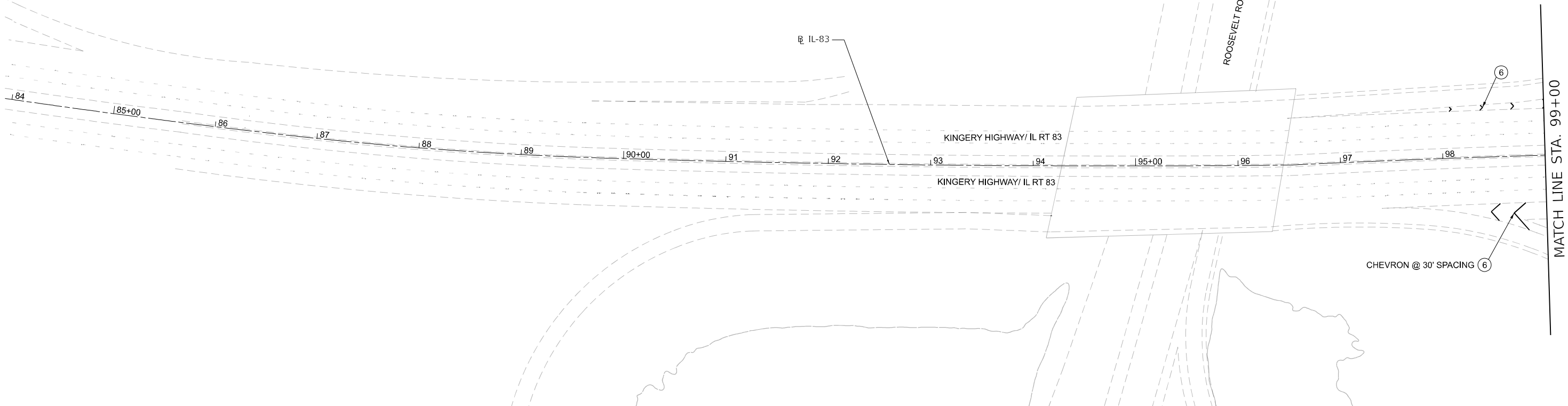
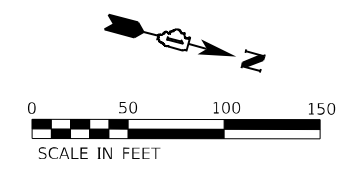
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CADD FILE NAME	

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



Bowman CONSULTING <small>311 S. Wacker Drive, Suite 1950 Chicago, Illinois 60606 312-454-0300 www.bowmanconsulting.com</small>	USER NAME = khejtmanek	DESIGNED - KH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PROFILE	F.A.P. RTE. = 344	SECTION = 2020-196-T	COUNTY = DUPAGE	TOTAL SHEETS = 122	SHEET NO. = 33
	PLOT SCALE = 0.1667" / in.	CHECKED - AP	REVISED -			CONTRACT NO. = 62M69				
	PLOT DATE = 3/10/2021	DATE = 3/11/2021	REVISED -			ILLINOIS FED. AID PROJECT				
	SCALE: 1"=50'		SHEET 1 OF 1 SHEETS			STA. 20+00.00 TO STA. 37+00.00				

MODEL: DrainProfile (Sheet)
FILE NAME: P:\020098 - I021040008-01-002 (ENG) - FRB 195-016 Phase II For Van Engineering\01 - I021040008-01-002.dwg
CADD Sheets\0124M69-Int-DrainProfile.dgn



- ① 4" SOLID WHITE LINE
- ② 4" SOLID YELLOW LINE
- ③ 4" SKIP DASH WHITE LINE (2' DASH, 6' SKIP)
- ④ 4" SKIP DASH WHITE LINE (10' DASH, 30' SKIP)
- ⑤ 8" SOLID WHITE LINE
- ⑥ 12" DIAGONAL WHITE LINE
- ⑦ 12" DIAGONAL YELLOW LINE

MODEL: P1811 (18x11) FILE NAME: P18110055 - IDOT040055-01-002 (ENG) - FTB 195-016 Phase II for VanEngineeringW101 - ILB3-IL38-500 Drawings502_CADD_SheetsID12M69-shapepavementmarking.dgn



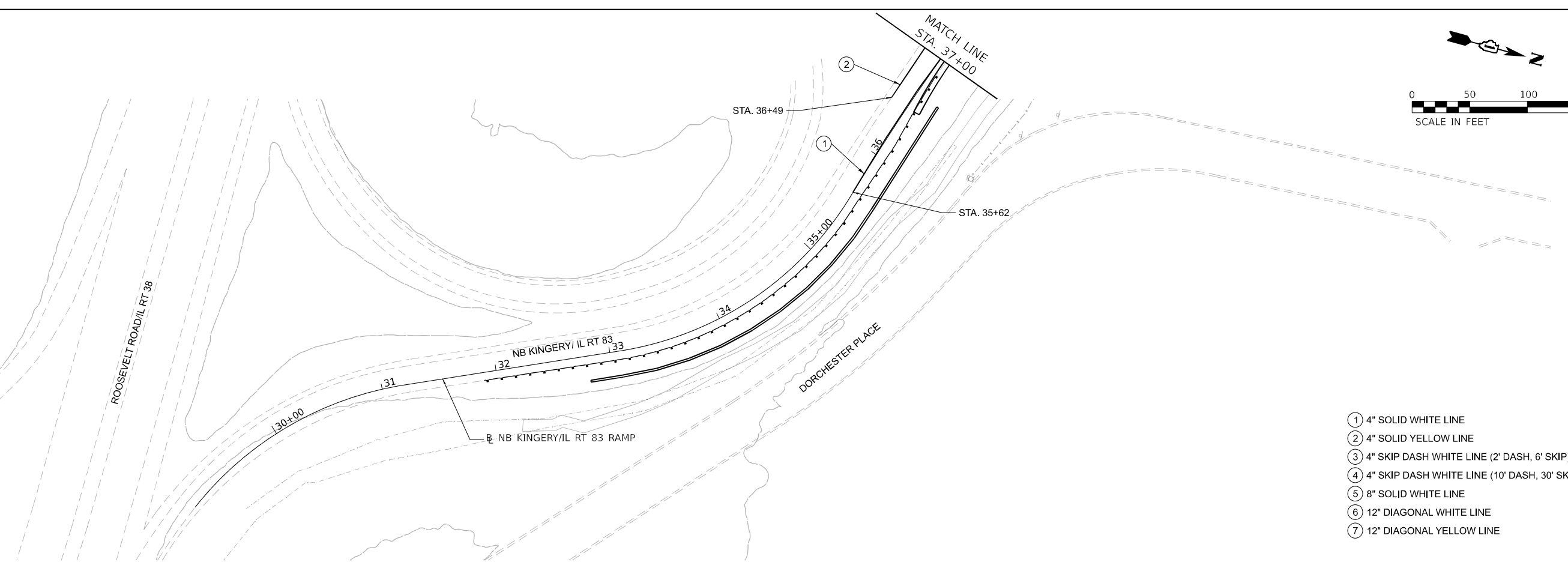
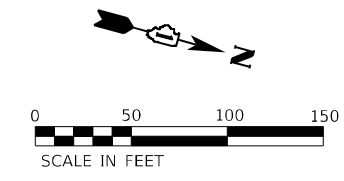
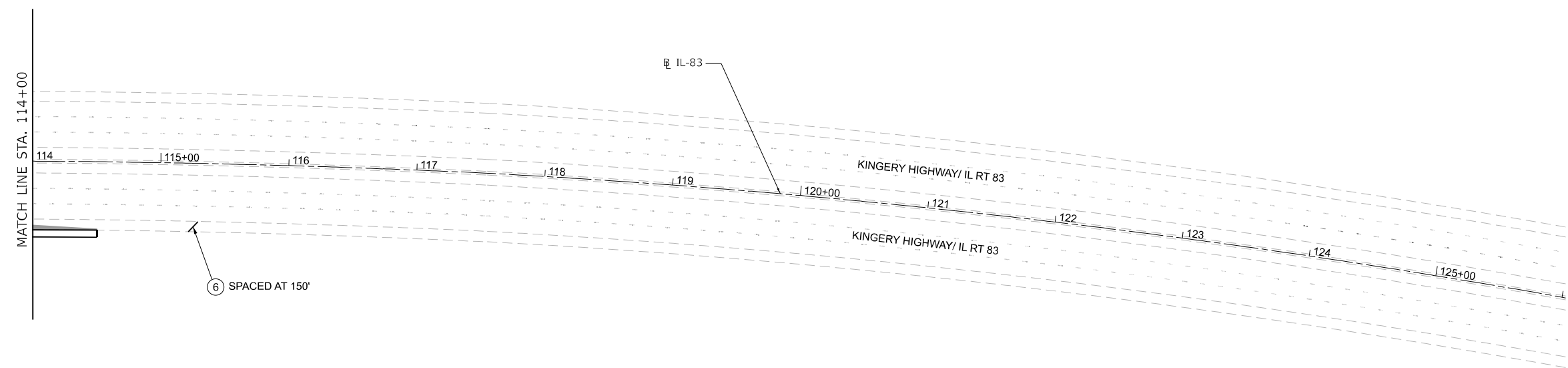
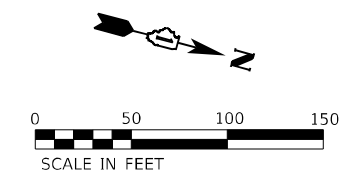
USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 0.1667" / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 83+92.98 TO STA. 114+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	34
CONTRACT NO. 62M69				
ILLINOIS		FED. AID PROJECT		



- ① 4" SOLID WHITE LINE
- ② 4" SOLID YELLOW LINE
- ③ 4" SKIP DASH WHITE LINE (2' DASH, 6' SKIP)
- ④ 4" SKIP DASH WHITE LINE (10' DASH, 30' SKIP)
- ⑤ 8" SOLID WHITE LINE
- ⑥ 12" DIAGONAL WHITE LINE
- ⑦ 12" DIAGONAL YELLOW LINE

MODEL: Plan 2 (11x17) FILE NAME: P:\020056 - IDOT\040056-01-2021 (ENG) - FTB 195-016 Phase II for VanEngineering\W01 - ILB3-IL38\500 Drawings\502_CADD_Sheets\02\62M69-shape\pavementmarking.dgn



USER NAME = khejtmanek	DESIGNED - KH	REVISED -
DRAWN - KM	REVISED -	
PLOT SCALE = 0.1667" / in.	CHECKED - AP	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	35
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

EROSION CONTROL AND LANDSCAPING NOTES

- ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT:(HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL)
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- THE CONTRACTOR SHOULD PROVIDE THE ENGINEER WITH THAT SHOWS A PLAN THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFF SITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE STORM SEWER PAY ITEMS.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
- "WETLANDS EXCLUSION FENCING AND WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE.
- IF WETLANDS ARE UNDER WATER, PERIMETER EROSION BARRIER MAY BE INSUFFICIENT FOR PROMOTING WATER QUALITY. PER NOTE 8, THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMING A SUITABLE ALTERNATIVE FOR PROMOTING WATER QUALITY AND THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ALL WORK ASSOCIATED WITH INSTALLATION AND MAINTENANCE OF STABILIZED CONSTRUCTION ENTRANCES AND CONCRETE WASHOUTS ARE INCIDENTAL TO THE CONTRACT.
- MULCH METHOD 2 SHOULD BE APPLIED TO SLOPES FOR TEMPORARY STABILIZATION PRIOR TO SEASONS WHEN TEMPORARY SEED WILL NOT GERMINATE.
- REFER TO STRUCTURAL PLANS FOR WATERWAY INFORMATION TABLE FOR 2 YEAR STORM INFORMATION FOR THE COFFERDAM.
- THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USAGE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH.
- ALL TREE PROTECTION SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- 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.
- THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND-NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES, AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
- THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE SEEDING, TREES, SHRUBS, AND PLUGS.
- THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 (MODIFIED), 4B (MODIFIED), 5A (MODIFIED), AND 5B (MODIFIED) SHALL BE FROM OCTOBER 15 TO MAY 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.

IL 83 OVER DITCH AT IL 83 (WB) RAMP – 62M69 SCHEDULE OF LANDSCAPE ITEMS – PLUGS

TYPE	BOTANICAL NAME	COMMON NAME	QUANTITY	SPACING
PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	ANDROPOGON GERARDII	BIG BLUESTEM	38	24" O.C.
	ASCLEPIAS SYRIACA	COMMON MILKWEED	38	24" O.C.
	BAPTISIA AUSTRALIS	BLUE WILD INDIGO	38	36" O.C.
	ECHINACEA PURPUREA	PURPLE CONEFLOWER	38	24" O.C.
	ERYNGIUM YUCCIFOLIUM	RATTLE SNAKE MASTER	38	24" O.C.
	LIATRIS ASPERA	ROUGH BLAZING STAR	38	18" O.C.
	MONARDA FISTULOSA	WILD BERGAMONT	38	24" O.C.
	PARTHENIUM INTEGRIFOLIUM	WILD QUININE	38	24" O.C.
	SORGHASTRUM NUTANS	INDIAN GRASS	38	24" O.C.
TOTAL UNITS			3.42	
PERENNIAL PLANTS, SEDE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG	ASCLEPIAS INCARNATA	SWAMP MILKWEED	38	24" O.C.
	CALAMAGROSTIS CANADENSIS	BLUE JOINT GRASS	38	24" O.C.
	CAREX VULPINOIDEA	BROWN FOX SEDGE	38	18" O.C.
	LOBELIA CARDINALIS	CARDINAL FLOWER	38	24" O.C.
	MIMULUS RINGENS	MONKEY FLOWER	38	24" O.C.
	PHYSOSTEGIA VIRGINIANA	OBEDIENT PLANT	38	24" O.C.
	SYMPHYOTRICHUM NOVEA-ANGLIAE	NEW ENGLAND ASTER	38	36" O.C.
		VERBENA HASTATA	BLUE VERVAIN	38
TOTAL UNITS			3.04	
PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	IRIS VERSICOLOR	HARLEQUIN BLUEFLAG IRIS	38	24" O.C.
	IRIS VIRGINICA VAR. SHREVEI	BLUEFLAG IRIS	38	18" O.C.
	PONTEDERIA CORDATA	PICKEREL WEED	76	24" O.C.
	SAGITTARIA LATIFOLIA	BROADLEAF ARROWHEAD	76	24" O.C.
	SCHOENOPLECTUS PUNGENS	CHAIRMAKER'S RUSH	38	24" O.C.
TOTAL UNITS			2.66	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
EROSION CONTROL NOTES

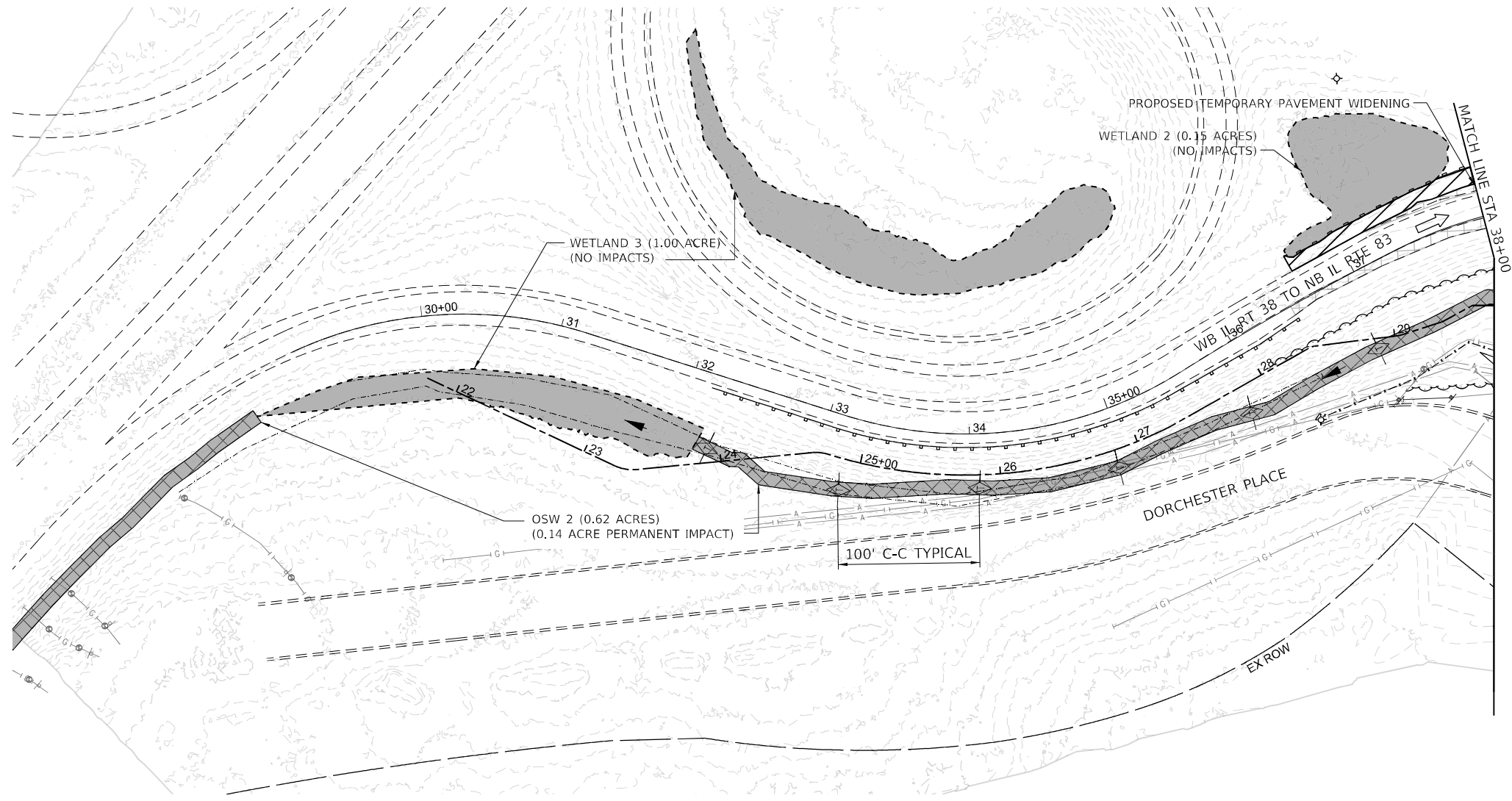
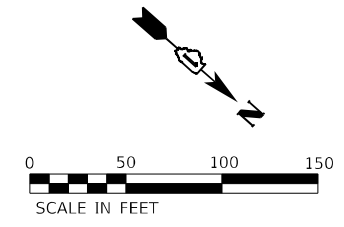
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	36
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

MODEL: \\MODEL\NAME
FILE: \\NAME.D\2020-196-T\general notes.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = mdlctcne	DESIGNED - JAR	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = \$SCALES	CHECKED - AS	REVISED -
PLOT DATE = 2/26/2021	DATE - 2/26/2021	REVISED -



CONSTRUCTION SEQUENCING

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED GENERAL SEQUENCE OF APPLICABLE CONSTRUCTION WHICH WILL DISTURB SOILS ON THE PROJECT.

PRE-STAGE

TEMPORARY PAVEMENT WILL BE INSTALLED ON THE IL 38 WEST TO IL 83 NORTH RAMP AND THE IL 83 SOUTH TO IL 38 WEST RAMP. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL (SESC MEASURES):

- A.) DOUBLE PERIMETER EROSION BARRIER (PEB) TO PROTECT ONSITE WETLANDS AND OTHER SURFACE WATERS (OSW).
- B.) TEMPORARY DITCH CHECKS (TDC) TO PROTECT DOWNSTREAM WETLANDS.
- C.) TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET (ECB) (TECS & B) FROM EDGE OF TEMPORARY PAVEMENT WIDENING TO TOE OF SLOPE FOR SAME.

STAGE 1

- A.) THE FIRST STAGE OF CONSTRUCTION WILL UTILIZE A WORK ZONE LOCATED IN THE CENTER LANES AND MEDIAN OF IL 83.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.
- C.) INLET FILTER IN THE MEDIAN.

STAGE 2

- A.) THE SECOND STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED TO THE OUTSIDE OF EXISTING TRAFFIC.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.

STAGE 3

- A.) THE THIRD STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED ON THE OUTSIDE EDGE OF THE CULVERT.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.
- C.) RIPRAP AT THE DOWNSTREAM END OF THE NEW CULVERT.

OTHER ITEMS

RETAINING WALL CONSTRUCTION WILL OCCUR DURING STAGES 2 AND 3 TO COINCIDE WITH THE RE-GRADING OF THE DITCH, UP TO THE CONTRACTOR'S DISCRETION.

DITCH CHECKS SHOULD BE REMOVED AND REPLACED TO ACCOMMODATE RETAINING WALL CONSTRUCTION AND RE-GRADING OF THE DITCH.

IF TEMPORARY EXCAVATED MATERIAL IS STOCKPILED ON THE SITE, THE STOCKPILE LOCATION SHOULD EITHER BE ON PAVEMENT IN THE WORK ZONE OR IN INFIELDS OF THE INTERCHANGE WITH PEB AND TECS & B IF THE STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS.

LEGEND

RIPRAP	TEMPORARY DITCH CHECKS (28000305)	TOPSOIL 4" (21101615) SEEDING, CLASS 4B (25000314) WITH EROSION CONTROL BLANKET (25100630)	DIRECTION OF FLOW	TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
WETLANDS	TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100))	CONCRETE WASHOUT (X0326806)	EXISTING/PROPOSED CONTOUR LINE	TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4 (MODIFIED) SEEDING, CLASS 5A (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
OTHER SURFACE WATERS (OSW)	DOUBLE PERIMETER EROSION BARRIER (28000305)	INLET FILTER (28000510)	DIRECTION OF TRAFFIC	TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
WETLAND OR OSW PERMANENT IMPACT				

MODEL: I:\MODEL\NAME: FILE NAME: D:\ENR\2021\20210301.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

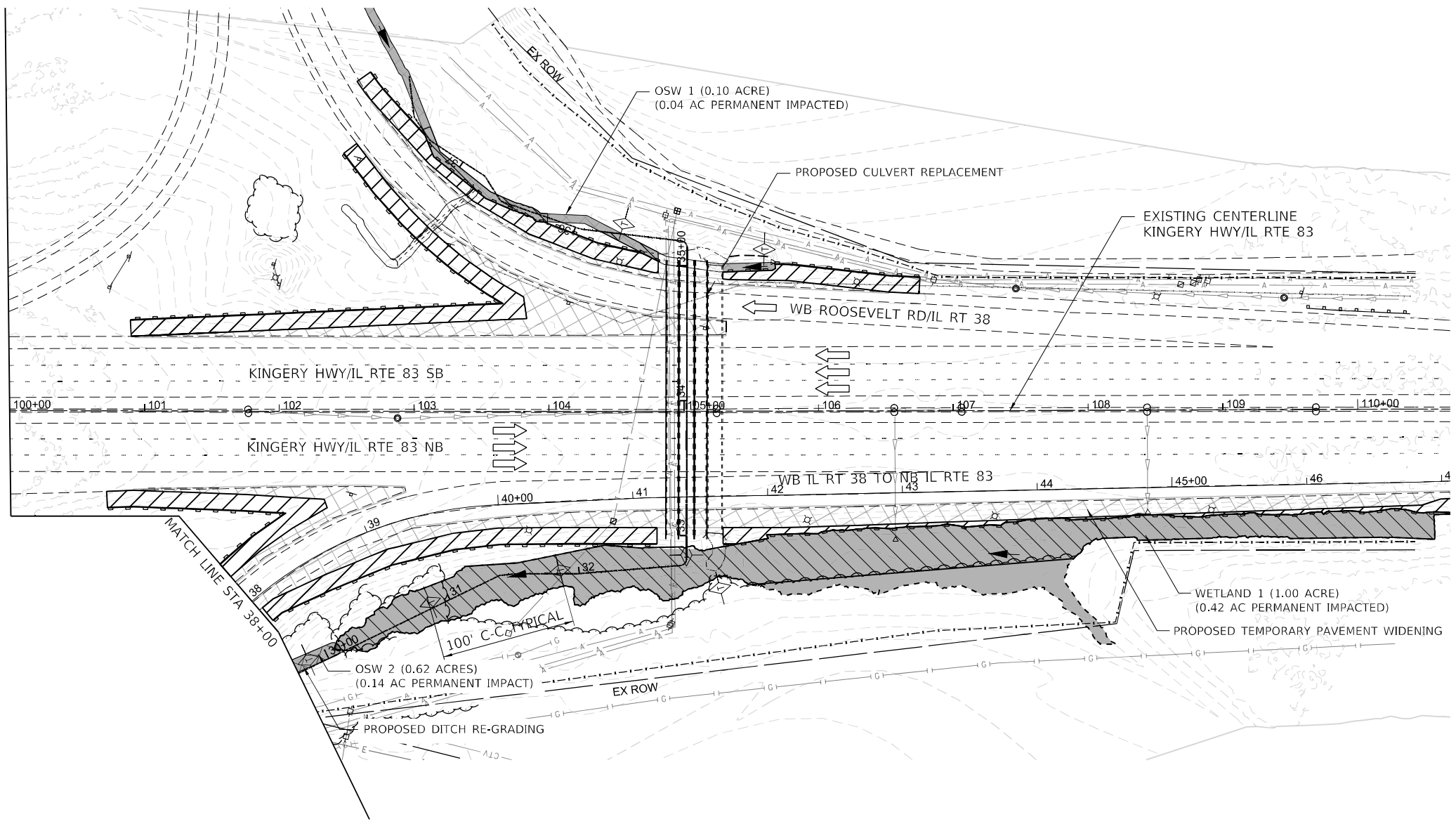
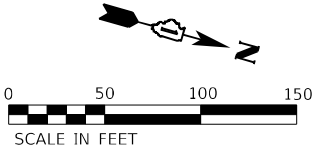
USER NAME = mdltrche	DESIGNED - JAR	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - AS	REVISED -
PLOT DATE = 2/26/2021	DATE - 2/26/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
PRE-STAGE LANDSCAPING AND EROSION CONTROL PLAN**

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

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	



LEGEND

- RIPRAP
- WETLANDS
- OTHER SURFACE WATERS (OSW)
- WETLAND OR OSW PERMANENT IMPACT
- TEMPORARY DITCH CHECKS (28000305)
- TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)
- DOUBLE PERIMETER EROSION BARRIER (28000305)
- TOPSOIL 4" (21101615) SEEDING, CLASS 4B (25000314) WITH EROSION CONTROL BLANKET (25100630)
- CW CONCRETE WASHOUT (X0326806)
- INLET FILTER (28000510)
- DIRECTION OF FLOW
- EXISTING/PROPOSED CONTOUR LINE
- DIRECTION OF TRAFFIC
- TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4 (MODIFIED) SEEDING, CLASS 5A (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

MODEL: I:\MODEL\NAME: FILE NAME: D:\ENR\2021\20210202.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

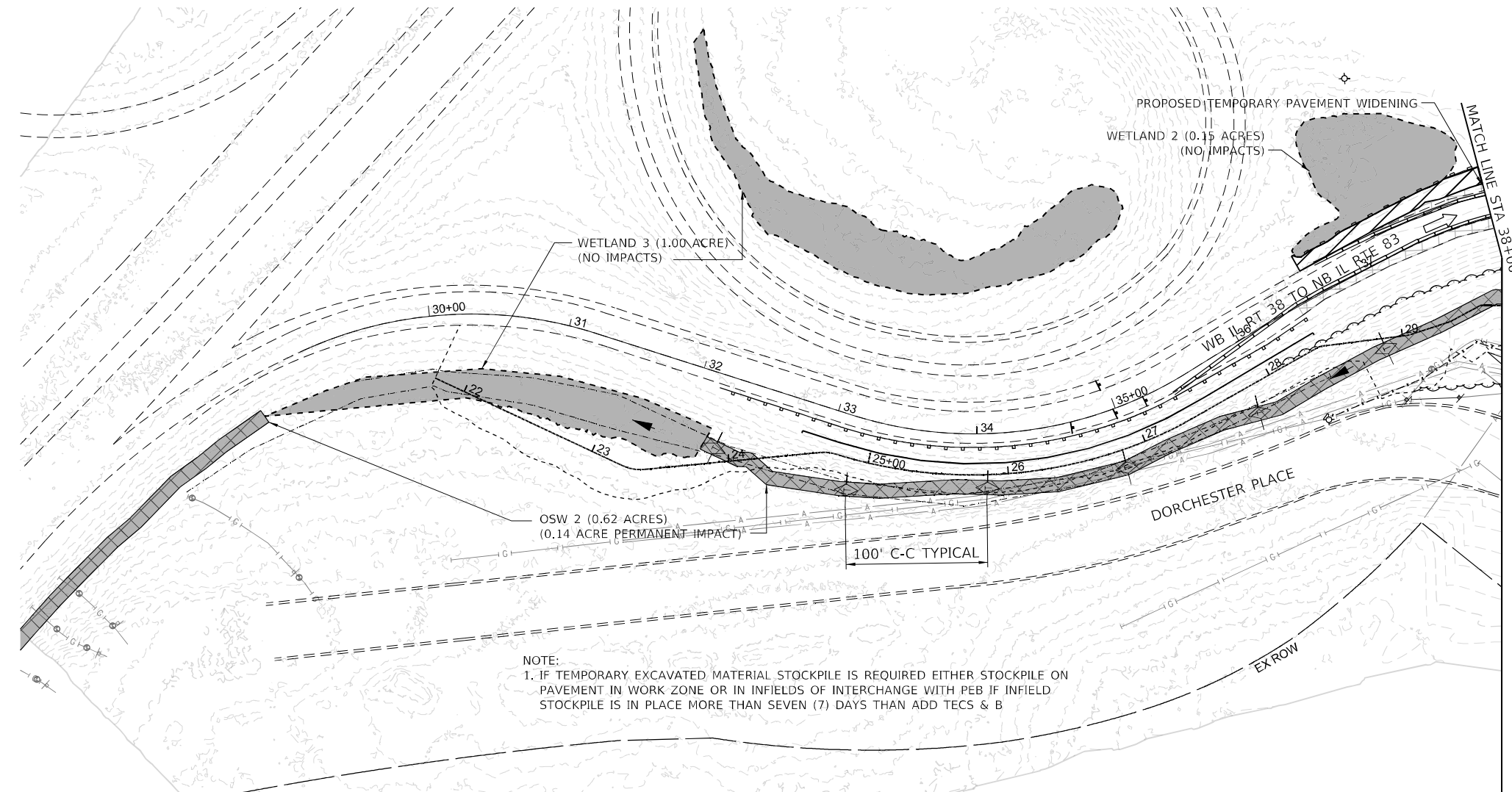
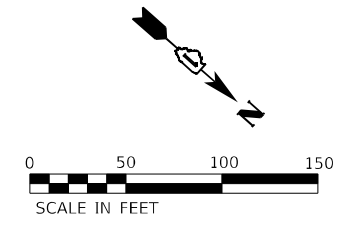
USER NAME = mdlctche	DESIGNED - JAR	REVISED -
DRAWN - MD	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - AS	REVISED -
PLOT DATE = 2/26/2021	DATE - 2/26/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
PRE-STAGE LANDSCAPING AND EROSION CONTROL PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	38
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

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



CONSTRUCTION SEQUENCING

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED GENERAL SEQUENCE OF APPLICABLE CONSTRUCTION WHICH WILL DISTURB SOILS ON THE PROJECT.

PRE-STAGE

TEMPORARY PAVEMENT WILL BE INSTALLED ON THE IL 38 WEST TO IL 83 NORTH RAMP AND THE IL 83 SOUTH TO IL 38 WEST RAMP.
INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL (SESC MEASURES):

- DOUBLE PERIMETER EROSION BARRIER (PEB) TO PROTECT ONSITE WETLANDS AND OTHER SURFACE WATERS (OSW).
- TEMPORARY DITCH CHECKS (TDC) TO PROTECT DOWNSTREAM WETLANDS.
- TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET (ECB) (TECS & B) FROM EDGE OF TEMPORARY PAVEMENT WIDENING TO TOE OF SLOPE FOR SAME.

STAGE 1

- THE FIRST STAGE OF CONSTRUCTION WILL UTILIZE A WORK ZONE LOCATED IN THE CENTER LANES AND MEDIAN OF IL 83.
- PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.
- INLET FILTER IN THE MEDIAN.

STAGE 2

- THE SECOND STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED TO THE OUTSIDE OF EXISTING TRAFFIC.
- PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.

STAGE 3

- THE THIRD STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED ON THE OUTSIDE EDGE OF THE CULVERT.
- PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.
- RIPRAP AT THE DOWNSTREAM END OF THE NEW CULVERT.

OTHER ITEMS

RETAINING WALL CONSTRUCTION WILL OCCUR DURING STAGES 2 AND 3 TO COINCIDE WITH THE RE-GRADING OF THE DITCH, UP TO THE CONTRACTOR'S DISCRETION.

DITCH CHECKS SHOULD BE REMOVED AND REPLACED TO ACCOMMODATE RETAINING WALL CONSTRUCTION AND RE-GRADING OF THE DITCH.

IF TEMPORARY EXCAVATED MATERIAL IS STOCKPILED ON THE SITE, THE STOCKPILE LOCATION SHOULD EITHER BE ON PAVEMENT IN THE WORK ZONE OR IN INFIELDS OF THE INTERCHANGE WITH PEB AND TECS & B IF THE STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS.

NOTE:
1. IF TEMPORARY EXCAVATED MATERIAL STOCKPILE IS REQUIRED EITHER STOCKPILE ON PAVEMENT IN WORK ZONE OR IN INFIELDS OF INTERCHANGE WITH PEB IF INFIELD STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS THAN ADD TECS & B

LEGEND

- RIPRAP
- WETLANDS
- OTHER SURFACE WATERS (OSW)
- WETLAND OR OSW PERMANENT IMPACT
- TEMPORARY DITCH CHECKS (28000305)
- TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)
- DOUBLE PERIMETER EROSION BARRIER (28000305)
- TOPSOIL 4" (21101505)
- SEEDING, CLASS 4B (25000314)
- WITH EROSION CONTROL BLANKET (25100630)
- CONCRETE WASHOUT (X0326806)
- INLET FILTER (28000510)
- DIRECTION OF FLOW
- EXISTING/PROPOSED CONTOUR LINE
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

MODEL: 140001.MXD
FILE NAME: D:\2020\2020-196-T\140001.dwg

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

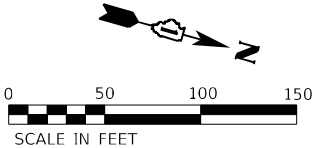
USER NAME = mdlctche	DESIGNED - JAR	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - AS	REVISED -
PLOT DATE = 2/26/2021	DATE - 2/26/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

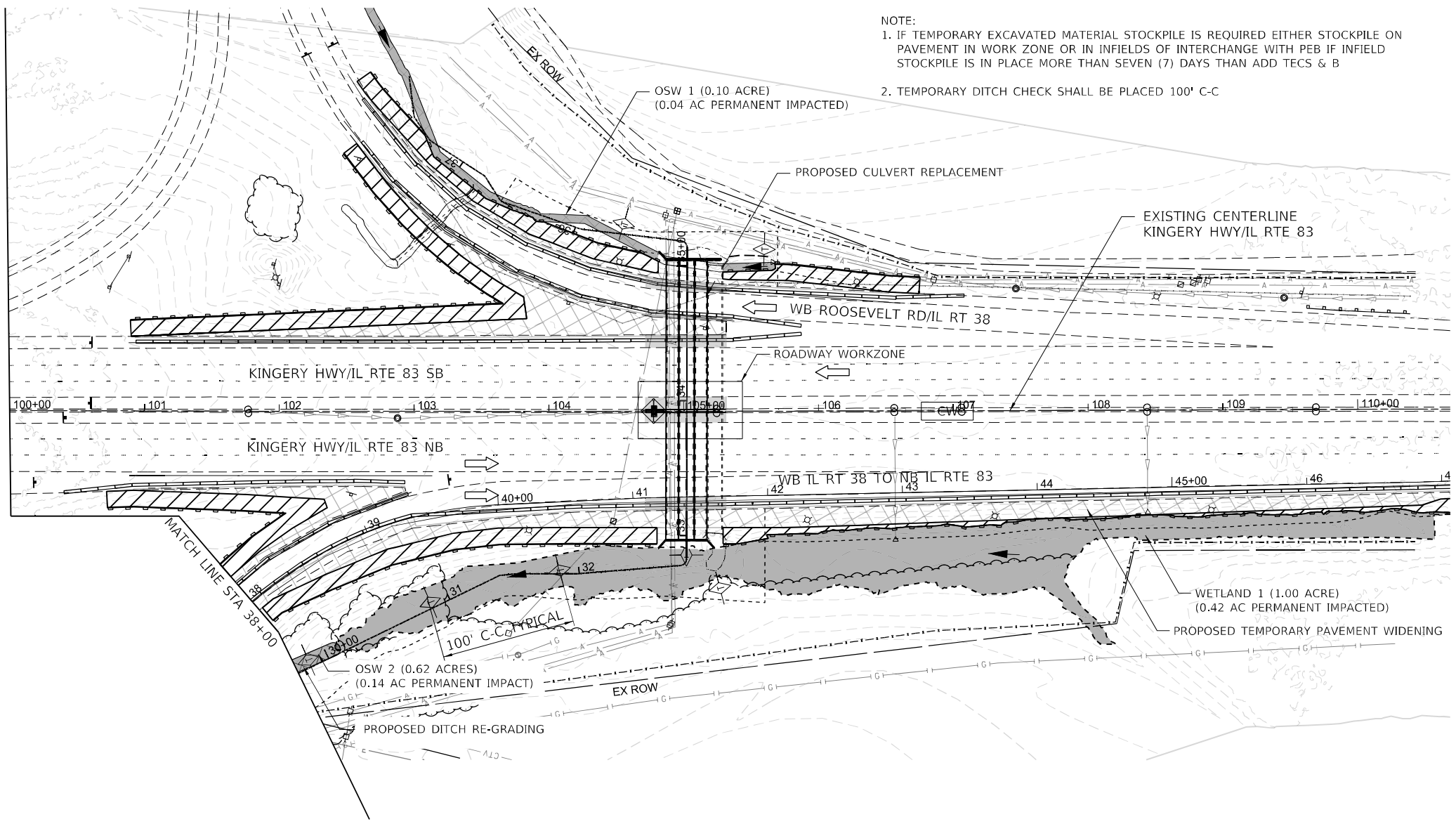
**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
STAGE 1 LANDSCAPING AND EROSION CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	39
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	



NOTE:
 1. IF TEMPORARY EXCAVATED MATERIAL STOCKPILE IS REQUIRED EITHER STOCKPILE ON PAVEMENT IN WORK ZONE OR IN INFIELDS OF INTERCHANGE WITH PEB IF INFIELD STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS THEN ADD TECS & B
 2. TEMPORARY DITCH CHECK SHALL BE PLACED 100' C-C



LEGEND

- RIPRAP
- WETLANDS
- OTHER SURFACE WATERS (OSW)
- WETLAND OR OSW PERMANENT IMPACT
- TEMPORARY DITCH CHECKS (28000305)
- TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)
- DOUBLE PERIMETER EROSION BARRIER (28000305)
- TOPSOIL 4" (21101615) SEEDING, CLASS 4B (25000314) WITH EROSION CONTROL BLANKET (25100630)
- CW CONCRETE WASHOUT (X0326806)
- INLET FILTER (28000510)
- DIRECTION OF FLOW
- EXISTING/PROPOSED CONTOUR LINE
- DIRECTION OF TRAFFIC
- TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4 (MODIFIED) SEEDING, CLASS 5A (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

MODEL: I:\MODEL\NAME: FILE NAME: D:\ENR\2020\62M69\1802.dwg

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

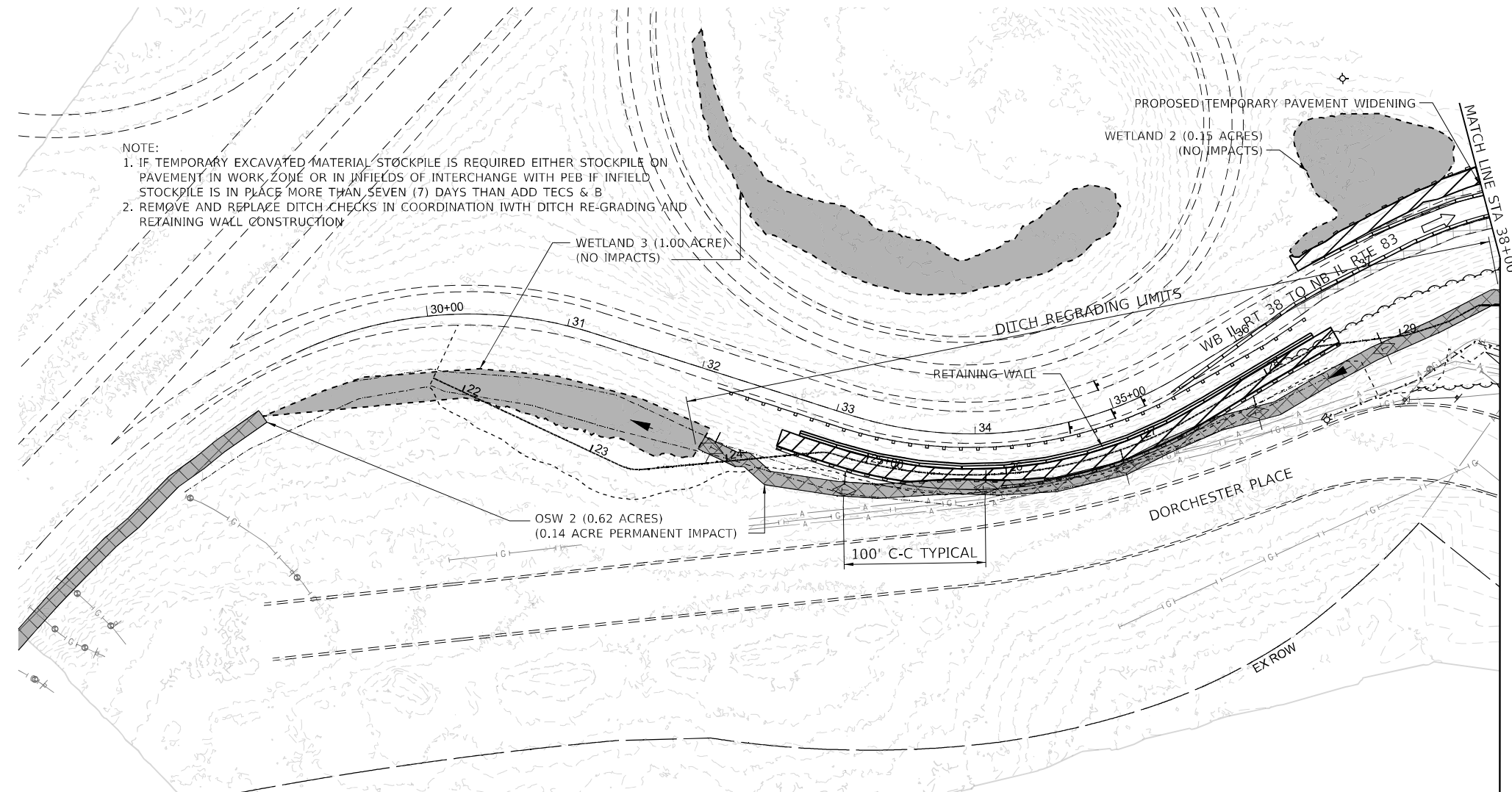
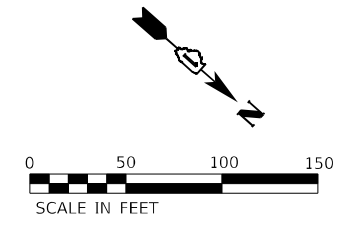
USER NAME = mdlctche	DESIGNED - JAR	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - AS	REVISED -
PLOT DATE = 2/26/2021	DATE - 2/26/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
STAGE 1 LANDSCAPING AND EROSION CONTROL PLAN

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 40
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				

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



NOTE:
 1. IF TEMPORARY EXCAVATED MATERIAL STOCKPILE IS REQUIRED EITHER STOCKPILE ON PAVEMENT IN WORK ZONE OR IN INFIELDS OF INTERCHANGE WITH PEB IF INFIELD STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS THAN ADD TECS & B
 2. REMOVE AND REPLACE DITCH CHECKS IN COORDINATION WITH DITCH RE-GRADING AND RETAINING WALL CONSTRUCTION

CONSTRUCTION SEQUENCING

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED GENERAL SEQUENCE OF APPLICABLE CONSTRUCTION WHICH WILL DISTURB SOILS ON THE PROJECT.

PRE-STAGE

TEMPORARY PAVEMENT WILL BE INSTALLED ON THE IL 38 WEST TO IL 83 NORTH RAMP AND THE IL 83 SOUTH TO IL 38 WEST RAMP. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL (SESC MEASURES):

- A.) DOUBLE PERIMETER EROSION BARRIER (PEB) TO PROTECT ONSITE WETLANDS AND OTHER SURFACE WATERS (OSW).
- B.) TEMPORARY DITCH CHECKS (TDC) TO PROTECT DOWNSTREAM WETLANDS.
- C.) TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET (ECB) (TECS & B) FROM EDGE OF TEMPORARY PAVEMENT WIDENING TO TOE OF SLOPE FOR SAME.

STAGE 1

- A.) THE FIRST STAGE OF CONSTRUCTION WILL UTILIZE A WORK ZONE LOCATED IN THE CENTER LANES AND MEDIAN OF IL 83.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WHERE NEEDED.
- C.) INLET FILTER IN THE MEDIAN.

STAGE 2

- A.) THE SECOND STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED TO THE OUTSIDE OF EXISTING TRAFFIC.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WHERE NEEDED.

STAGE 3

- A.) THE THIRD STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED ON THE OUTSIDE EDGE OF THE CULVERT.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WHERE NEEDED.
- C.) RIPRAP AT THE DOWNSTREAM END OF THE NEW CULVERT.

OTHER ITEMS

RETAINING WALL CONSTRUCTION WILL OCCUR DURING STAGES 2 AND 3 TO COINCIDE WITH THE RE-GRADING OF THE DITCH, UP TO THE CONTRACTOR'S DISCRETION.

DITCH CHECKS SHOULD BE REMOVED AND REPLACED TO ACCOMMODATE RETAINING WALL CONSTRUCTION AND RE-GRADING OF THE DITCH.

IF TEMPORARY EXCAVATED MATERIAL IS STOCKPILED ON THE SITE, THE STOCKPILE LOCATION SHOULD EITHER BE ON PAVEMENT IN THE WORK ZONE OR IN INFIELDS OF THE INTERCHANGE WITH PEB AND TECS & B IF THE STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS.

LEGEND

- RIPRAP
- WETLANDS
- OTHER SURFACE WATERS (OSW)
- WETLAND OR OSW PERMANENT IMPACT
- TEMPORARY DITCH CHECKS (28000305)
- TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)
- DOUBLE PERIMETER EROSION BARRIER (28000305)
- TOPSOIL 4" (21101615) SEEDING, CLASS 4B (25000314) WITH EROSION CONTROL BLANKET (25100630)
- CW CONCRETE WASHOUT (X0326806)
- INLET FILTER (28000510)
- DIRECTION OF FLOW
- EXISTING/PROPOSED CONTOUR LINE
- DIRECTION OF TRAFFIC
- TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4 (MODIFIED) SEEDING, CLASS 5A (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

MODEL: I:\00BELNAMES CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515 FILE NAME: D:\2020\2020-196-T\2020-196-T.dwg

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

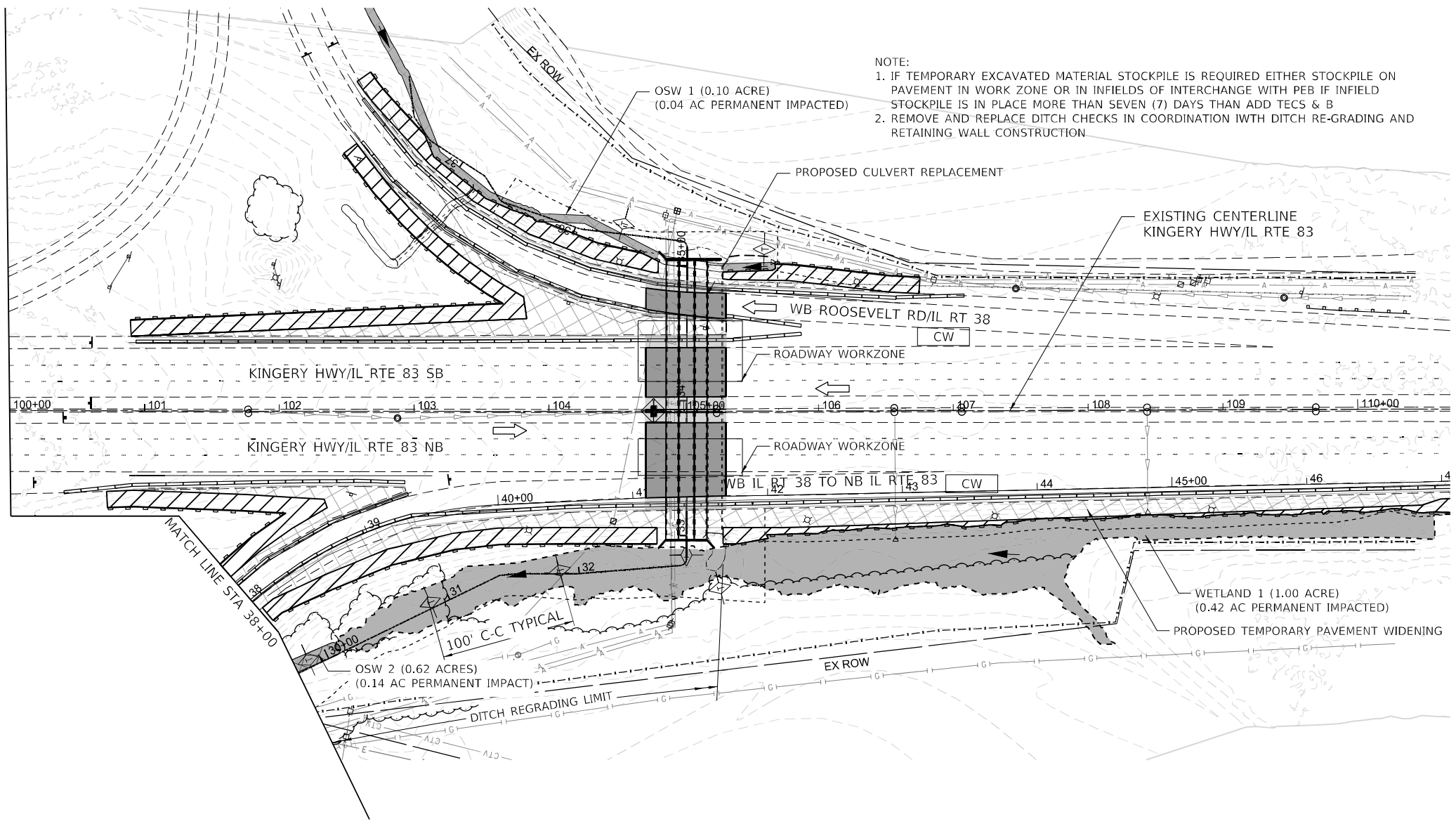
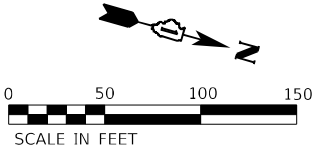
USER NAME = mdeltche	DESIGNED - JAR	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - MD	REVISED -
PLOT DATE = 2/26/2021	CHECKED - AS	REVISED -
	DATE - 2/26/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
 STAGE 2 LANDSCAPING AND EROSION CONTROL PLAN**

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

F.A.P. RTE. = 344	SECTION = 2020-196-T	COUNTY = DUPAGE	TOTAL SHEETS = 122	SHEET NO. = 41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	



NOTE:
 1. IF TEMPORARY EXCAVATED MATERIAL STOCKPILE IS REQUIRED EITHER STOCKPILE ON PAVEMENT IN WORK ZONE OR IN INFIELDS OF INTERCHANGE WITH PEB IF INFIELD STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS THAN ADD TECS & B
 2. REMOVE AND REPLACE DITCH CHECKS IN COORDINATION WITH DITCH RE-GRADING AND RETAINING WALL CONSTRUCTION

LEGEND

- RIPRAP
- WETLANDS
- OTHER SURFACE WATERS (OSW)
- WETLAND OR OSW PERMANENT IMPACT
- TEMPORARY DITCH CHECKS (28000305)
- TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)
- DOUBLE PERIMETER EROSION BARRIER (28000305)
- TOPSOIL 4" (21101615)
SEEDING, CLASS 4B (25000314)
WITH EROSION CONTROL BLANKET (25100630)
- CW CONCRETE WASHOUT (X0326806)
- INLET FILTER (28000510)
- DIRECTION OF FLOW
- EXISTING/PROPOSED CONTOUR LINE
- DIRECTION OF TRAFFIC
- TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4 (MODIFIED) SEEDING, CLASS 5A (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

MODEL: I:\MODEL\NAME: FILE NAME: D:\ENR\2021\20210202.dwg

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

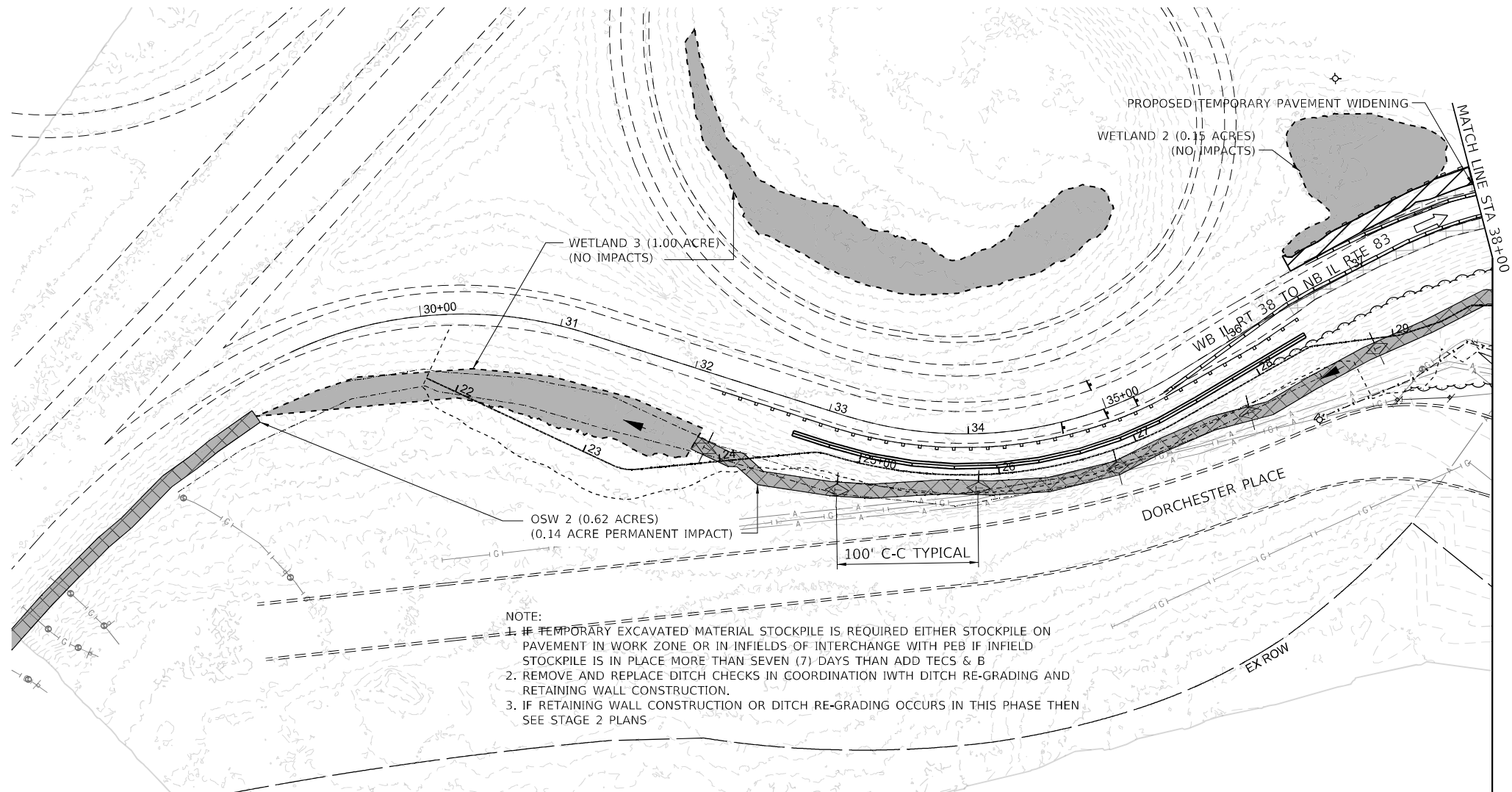
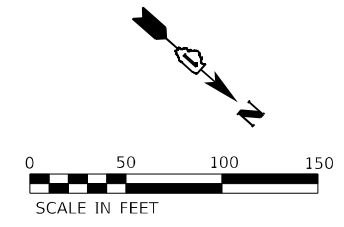
USER NAME = mdltrche	DESIGNED - JAR	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - MD	REVISED -
PLOT DATE = 2/26/2021	CHECKED - AS	REVISED -
	DATE - 2/26/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
 STAGE 2 LANDSCAPING AND EROSION CONTROL PLAN**

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

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 42
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				



CONSTRUCTION SEQUENCING

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED GENERAL SEQUENCE OF APPLICABLE CONSTRUCTION WHICH WILL DISTURB SOILS ON THE PROJECT.

PRE-STAGE

TEMPORARY PAVEMENT WILL BE INSTALLED ON THE IL 38 WEST TO IL 83 NORTH RAMP AND THE IL 38 SOUTH TO IL 38 WEST RAMP. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL (SESC MEASURES):

- A.) DOUBLE PERIMETER EROSION BARRIER (PEB) TO PROTECT ONSITE WETLANDS AND OTHER SURFACE WATERS (OSW),
- B.) TEMPORARY DITCH CHECKS (TDC) TO PROTECT DOWNSTREAM WETLANDS.
- C.) TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET (ECB) (TECS & B) FROM EDGE OF TEMPORARY PAVEMENT WIDENING TO TOE OF SLOPE FOR SAME.

STAGE 1

- A.) THE FIRST STAGE OF CONSTRUCTION WILL UTILIZE A WORK ZONE LOCATED IN THE CENTER LANES AND MEDIAN OF IL 83.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.
- C.) INLET FILTER IN THE MEDIAN.

STAGE 2

- A.) THE SECOND STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED TO THE OUTSIDE OF EXISTING TRAFFIC.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.

STAGE 3

- A.) THE THIRD STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED ON THE OUTSIDE EDGE OF THE CULVERT.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.
- C.) RIPRAP AT THE DOWNSTREAM END OF THE NEW CULVERT.

OTHER ITEMS

RETAINING WALL CONSTRUCTION WILL OCCUR DURING STAGES 2 AND 3 TO COINCIDE WITH THE RE-GRADING OF THE DITCH, UP TO THE CONTRACTOR'S DISCRETION.

DITCH CHECKS SHOULD BE REMOVED AND REPLACED TO ACCOMMODATE RETAINING WALL CONSTRUCTION AND RE-GRADING OF THE DITCH.

IF TEMPORARY EXCAVATED MATERIAL IS STOCKPILED ON THE SITE, THE STOCKPILE LOCATION SHOULD EITHER BE ON PAVEMENT IN THE WORK ZONE OR IN INFIELDS OF THE INTERCHANGE WITH PEB AND TECS & B IF THE STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS.

NOTE:

1. TEMPORARY EXCAVATED MATERIAL STOCKPILE IS REQUIRED EITHER STOCKPILE ON PAVEMENT IN WORK ZONE OR IN INFIELDS OF INTERCHANGE WITH PEB IF INFELD STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS THAN ADD TECS & B
2. REMOVE AND REPLACE DITCH CHECKS IN COORDINATION WITH DITCH RE-GRADING AND RETAINING WALL CONSTRUCTION.
3. IF RETAINING WALL CONSTRUCTION OR DITCH RE-GRADING OCCURS IN THIS PHASE THEN SEE STAGE 2 PLANS

LEGEND

- RIPRAP
- WETLANDS
- OTHER SURFACE WATERS (OSW)
- WETLAND OR OSW PERMANENT IMPACT
- TEMPORARY DITCH CHECKS (28000305)
- TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)
- DOUBLE PERIMETER EROSION BARRIER (28000305)
- TOPSOIL 4" (21101615) SEEDING, CLASS 4B (25000314) WITH EROSION CONTROL BLANKET (25100630)
- CW CONCRETE WASHOUT (X0326806)
- INLET FILTER (28000510)
- DIRECTION OF FLOW
- EXISTING/PROPOSED CONTOUR LINE
- DIRECTION OF TRAFFIC
- TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4 (MODIFIED) SEEDING, CLASS 5A (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

MODEL: I:\MODEL\NAME: 6330 Belmont Road, Suite 4B Downers Grove, IL 60515

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

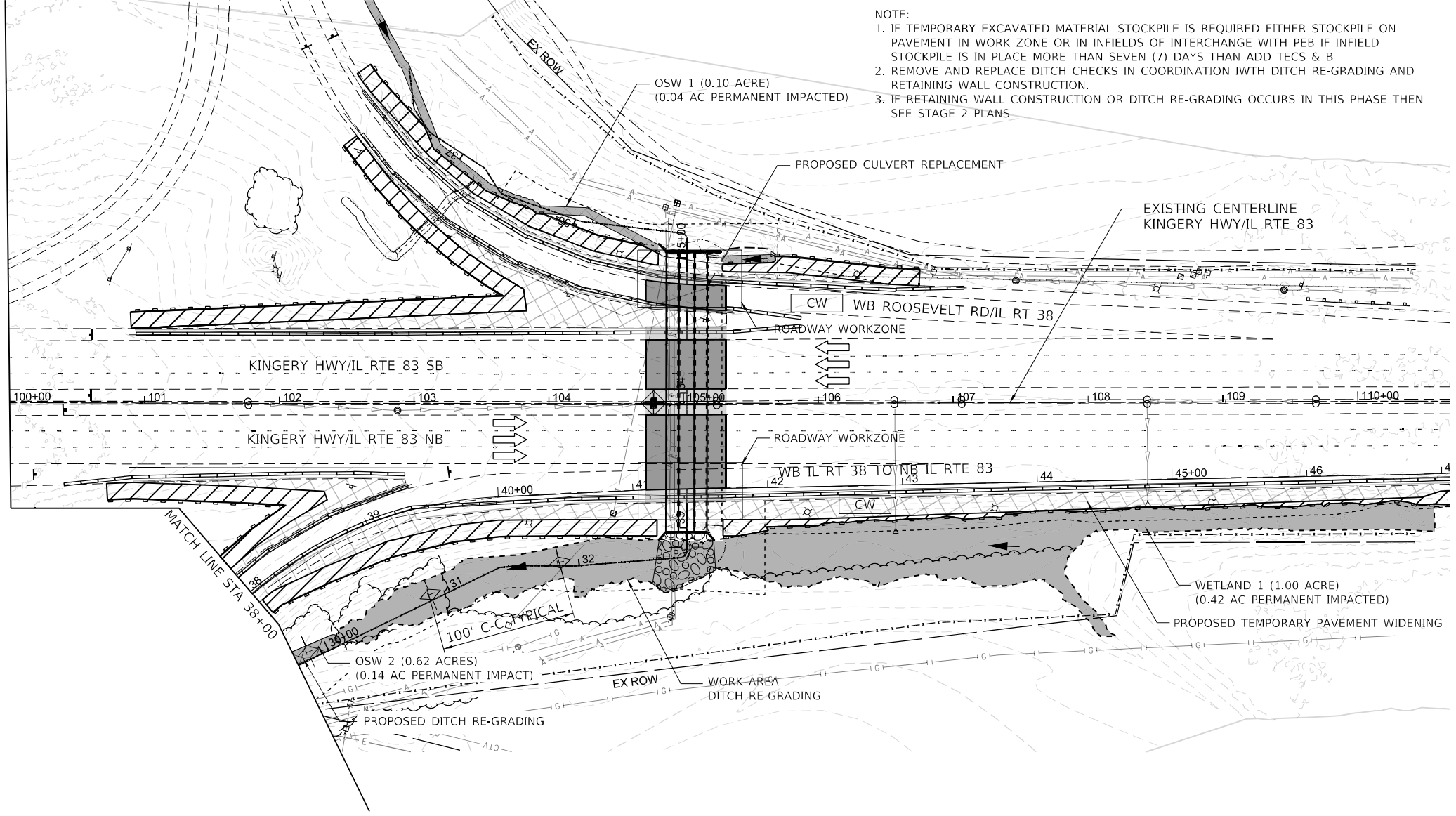
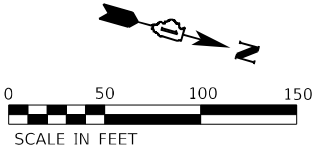
USER NAME = mdlrche	DESIGNED - JAR	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - MD	REVISED -
PLOT DATE = 2/26/2021	CHECKED - AS	REVISED -
	DATE - 2/26/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
STAGE 3 LANDSCAPING AND EROSION CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	43
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	



NOTE:
 1. IF TEMPORARY EXCAVATED MATERIAL STOCKPILE IS REQUIRED EITHER STOCKPILE ON PAVEMENT IN WORK ZONE OR IN INFIELDS OF INTERCHANGE WITH PEB IF INFIELD STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS THAN ADD TECS & B
 2. REMOVE AND REPLACE DITCH CHECKS IN COORDINATION WITH DITCH RE-GRADING AND RETAINING WALL CONSTRUCTION.
 3. IF RETAINING WALL CONSTRUCTION OR DITCH RE-GRADING OCCURS IN THIS PHASE THEN SEE STAGE 2 PLANS

LEGEND

- RIPRAP
- WETLANDS
- OTHER SURFACE WATERS (OSW)
- WETLAND OR OSW PERMANENT IMPACT
- TEMPORARY DITCH CHECKS (28000305)
- TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)
- DOUBLE PERIMETER EROSION BARRIER (28000305)
- TOPSOIL 4" (21101615)
SEEDING, CLASS 4B (25000314)
WITH EROSION CONTROL BLANKET (25100630)
- CW CONCRETE WASHOUT (X0326806)
- INLET FILTER (28000510)
- DIRECTION OF FLOW
- EXISTING/PROPOSED CONTOUR LINE
- DIRECTION OF TRAFFIC
- TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4 (MODIFIED) SEEDING, CLASS 5A (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

MODEL: I:\MODEL\NAME: FILE NAME: D:\ENR\2020\62M69\344.dwg

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

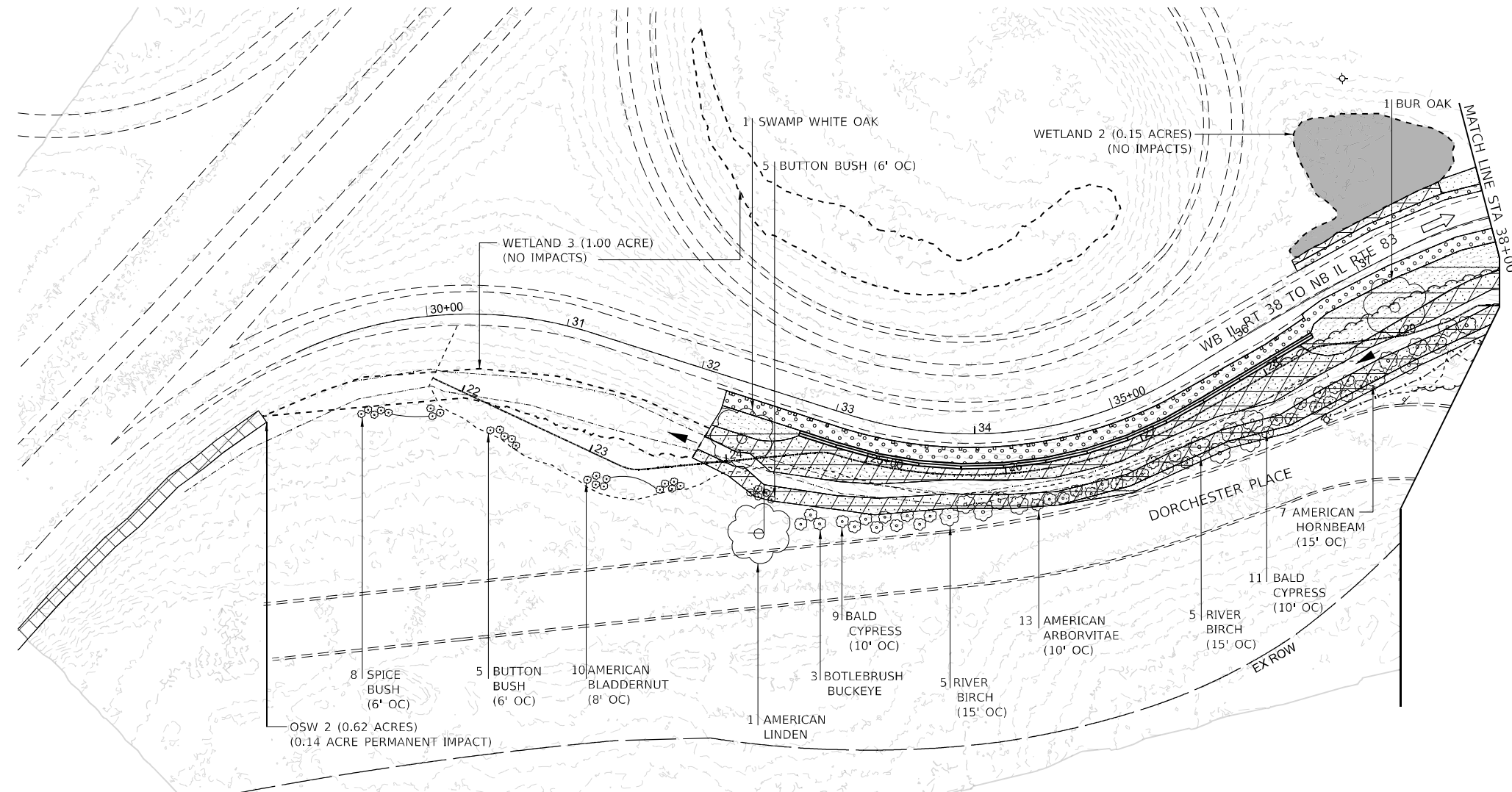
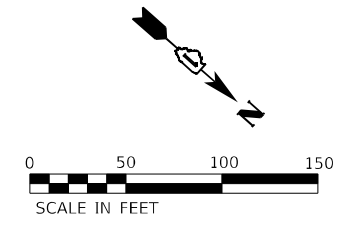
USER NAME = mdltrche	DESIGNED - JAR	REVISED -
DRAWN - MD	REVISOR -	
PLOT SCALE = \$SCALE\$	CHECKED - AS	REVISED -
PLOT DATE = 2/26/2021	DATE - 2/26/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
 STAGE 3 LANDSCAPING AND EROSION CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	44
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	



CONSTRUCTION SEQUENCING

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED GENERAL SEQUENCE OF APPLICABLE CONSTRUCTION WHICH WILL DISTURB SOILS ON THE PROJECT.

PRE-STAGE

TEMPORARY PAVEMENT WILL BE INSTALLED ON THE IL 38 WEST TO IL 83 NORTH RAMP AND THE IL 83 SOUTH TO IL 38 WEST RAMP. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL (SESC MEASURES):

- A.) DOUBLE PERIMETER EROSION BARRIER (PEB) TO PROTECT ONSITE WETLANDS AND OTHER SURFACE WATERS (OSW).
- B.) TEMPORARY DITCH CHECKS (TDC) TO PROTECT DOWNSTREAM WETLANDS.
- C.) TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET (ECB) (TECS & B) FROM EDGE OF TEMPORARY PAVEMENT WIDENING TO TOE OF SLOPE FOR SAME.

STAGE 1

- A.) THE FIRST STAGE OF CONSTRUCTION WILL UTILIZE A WORK ZONE LOCATED IN THE CENTER LANES AND MEDIAN OF IL 83.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.
- C.) INLET FILTER IN THE MEDIAN.

STAGE 2

- A.) THE SECOND STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED TO THE OUTSIDE OF EXISTING TRAFFIC.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.

STAGE 3

- A.) THE THIRD STAGE OF CONSTRUCTION WILL UTILIZE TWO WORK ZONES, EACH LOCATED ON THE OUTSIDE EDGE OF THE CULVERT.
- B.) PRE-STAGE SESC MEASURES REMAIN IN PLACE AND CONCRETE WASHOUTS ARE INSTALLED WERE NEEDED.
- C.) RIPRAP AT THE DOWNSTREAM END OF THE NEW CULVERT.

OTHER ITEMS

RETAINING WALL CONSTRUCTION WILL OCCUR DURING STAGES 2 AND 3 TO COINCIDE WITH THE RE-GRADING OF THE DITCH, UP TO THE CONTRACTOR'S DISCRETION.

DITCH CHECKS SHOULD BE REMOVED AND REPLACED TO ACCOMMODATE RETAINING WALL CONSTRUCTION AND RE-GRADING OF THE DITCH.

IF TEMPORARY EXCAVATED MATERIAL IS STOCKPILED ON THE SITE, THE STOCKPILE LOCATION SHOULD EITHER BE ON PAVEMENT IN THE WORK ZONE OR IN INFIELDS OF THE INTERCHANGE WITH PEB AND TECS & B IF THE STOCKPILE IS IN PLACE MORE THAN SEVEN (7) DAYS.

LEGEND

RIPRAP	TEMPORARY DITCH CHECKS (28000305)	TOPSOIL 4" (21101615) SEEDING, CLASS 4B (25000314) WITH EROSION CONTROL BLANKET (25100630)	DIRECTION OF FLOW	TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
WETLANDS	TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)	CW CONCRETE WASHOUT (X0326806)	EXISTING/PROPOSED CONTOUR LINE	TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4 (MODIFIED) SEEDING, CLASS 5 (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
OTHER SURFACE WATERS (OSW)	DOUBLE PERIMETER EROSION BARRIER (28000305)	INLET FILTER (28000510)	DIRECTION OF TRAFFIC	TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
WETLAND OR OSW PERMANENT IMPACT				

MODEL: 1400BELNAMES
FILE NAME: D:\2020\2020-196-T\001.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

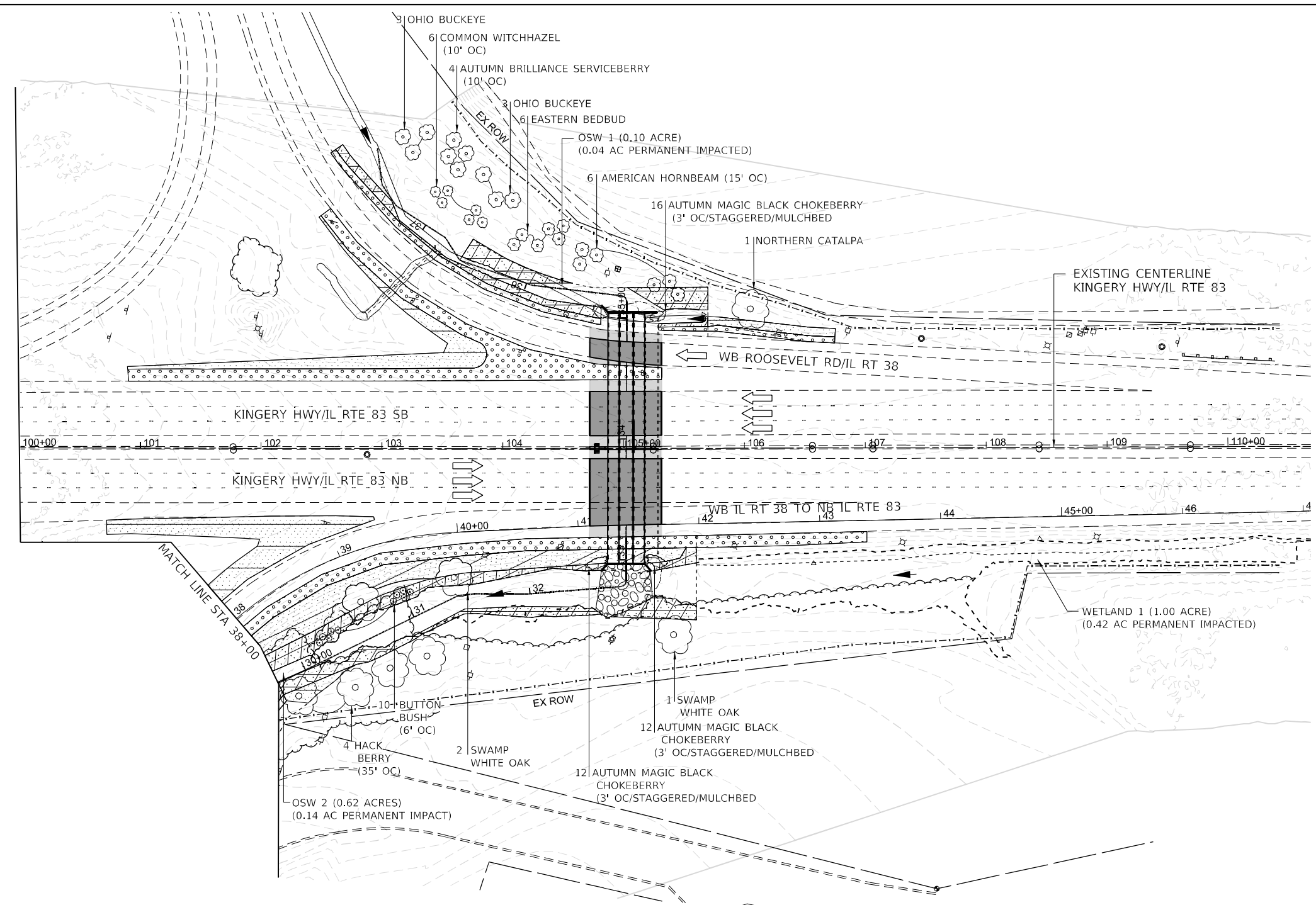
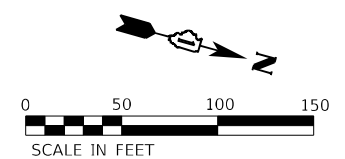
USER NAME = mdltrche	DESIGNED - JAR	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - AS	REVISED -
PLOT DATE = 3/12/2021	DATE - 2/26/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
FINAL LANDSCAPING AND EROSION CONTROL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	45
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	



LEGEND

- RIPRAP
- WETLANDS
- OTHER SURFACE WATERS (OSW)
- WETLAND OR OSW PERMANENT IMPACT
- TEMPORARY DITCH CHECKS (28000305)
- TEMPORARY EROSION CONTROL SEEDING AND BLANKET (28000250, 28001100)
- DOUBLE PERIMETER EROSION BARRIER (28000305)
- TOPSOIL 4" (21101615) SEEDING, CLASS 4B (25000314) WITH EROSION CONTROL BLANKET (25100630)
- CW CONCRETE WASHOUT (X0326806)
- INLET FILTER (28000510)
- DIRECTION OF FLOW
- EXISTING/PROPOSED CONTOUR LINE
- DIRECTION OF TRAFFIC
- TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET POTASSIUM & NITROGEN FERTILIZERS
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 5A (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- TOPSOIL FURNISH & PLACE, 8" SEEDING, CLASS 4B (MODIFIED) SEEDING, CLASS 5B (MODIFIED) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL

MODEL: I:\MODEL\NAME
 FILE NAME: D:\2020\2020-196-T\2020-196-T.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = mdlctche	DESIGNED - JAR	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - MD	REVISED -
PLOT DATE = 2/26/2021	CHECKED - AS	REVISED -
	DATE - 2/26/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
FINAL LANDSCAPING AND EROSION CONTROL PLAN










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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	46
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

GENERAL NOTES:

- THIS PROJECT INCLUDES THE CONSTRUCTION OF A NEW BOX CULVERT AND THE WORK WILL IMPACT THE EXISTING IDOT LIGHTING SYSTEM. THE EXISTING LIGHTING IMPACTED BY THE WORK SHALL BE REMOVED AND REPLACED WITH THE PROPOSED LIGHTING. TEMPORARY LIGHTING SHALL BE INSTALLED TO PROVIDE LIGHTING DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL REQUEST A PARTIAL MAINTENANCE TRANSFER BEFORE WORK BEGINS TO INSTALL TEMPORARY LIGHTING AND REMOVE EXISTING LIGHTING AS INDICATED ON THE PLANS CONNECTED TO THE EXISTING CONTROLLER "DU".
- MEADE ELECTRIC CO. DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES. THEIR CONTACT NO. IS 773-287-7672. CALL MEADE ELECTRIC CO. TO TRANSFER IDOT MAINTAINED EQUIPMENT TO THE CONTRACTOR BEFORE ANY WORK STARTS.
- THE QUANTITIES OF RACEWAY WHEREVER INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR INSPECTION AND APPROVAL BY THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS LOCATIONS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING DIGGING WORK. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, AND TREES ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE. IF SO THE CONTRACTOR SHALL REPAIR ANY DAMAGE AT NO ADDITIONAL COST AND THE REPAIRS SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
- LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.
- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF PROPOSED ROADWAY LIGHTING UNITS WITH ComEd.
- AS SHOWN ON SHEET EL-4 ROADWAY LIGHTING UNITS NOT IMPACTED BY THE WORK SHALL ALSO BE UPGRADED FROM HPS TO LED LUMINAIRES.

LEGEND

-  PROPOSED LIGHTING UNIT, 47.5 FT. MH, 15 FT. MAST ARM, (240V-LINE TO NEUTRAL), LED LUMINAIRE WITH BREAKAWAY DEVICE
-  EXISTING HIGH MAST TOWER TO REMAIN
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING LIGHTING UNIT TO REMAIN
-  TEMPORARY WOOD POLE, 60 FT. MH, 15 FT. MAST ARM WITH 240V LED LUMINAIRE
-  UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND (XLP-TYPE USE) 1 1/4" DIA. POLYETHYLENE
-  AERIAL CABLE 3-1/C NO. 2 WITH MESSENGER WIRE
-  EXISTING LIGHTING CONTROLLER TO REMAIN
-  TEMPORARY WOOD POLE, 60 FT.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	175
UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1690
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1463
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	14
LIGHT POLE, ALUMINUM, 47.5FT. M.H. 15FT. MAST ARM	EACH	8
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	6
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	80
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	6
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	7
REMOVAL OF POLE FOUNDATION	EACH	7
TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	1
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	6
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12

MODEL NAME: ELECTRICAL-EL-01.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

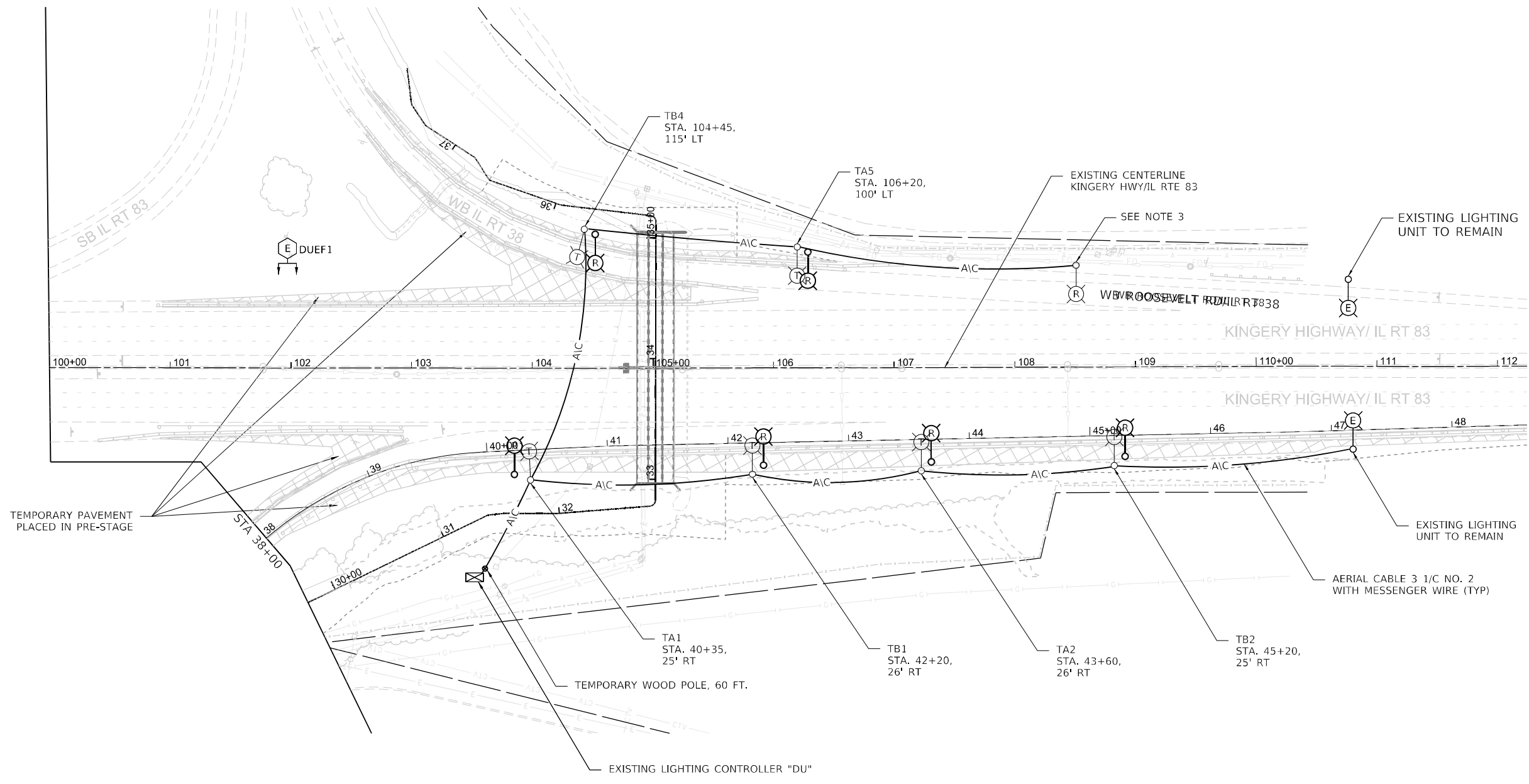
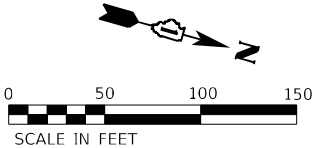
USER NAME = mdlctche	DESIGNED - BL	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - SR	REVISED -
PLOT DATE = 4/16/2021	CHECKED - MB	REVISED -
	DATE - 4/16/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
LIGHTING GENERAL NOTES, BILL OF MATERIALS AND LEGEND**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T		122	47
			CONTRACT NO. 62M69	
		ILLINOIS FED. AID PROJECT		



- NOTES:**
1. FOR LEGEND AND GENERAL NOTES SEE SHEET EL-1
 2. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF THE EXISTING LIGHTING.
 3. THIS EXISTING LIGHTING UNIT SHALL REMAIN TO PROVIDE FEED TO TEMPORARY LIGHTING AND SHALL ONLY BE REMOVED WHEN THE PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

MODEL: \\MODEL\NAME: 6330 Belmont Road, Suite 4B Downers Grove, IL 60515
 FILE NAME: D:\2020\2020-196-T\EL-02.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

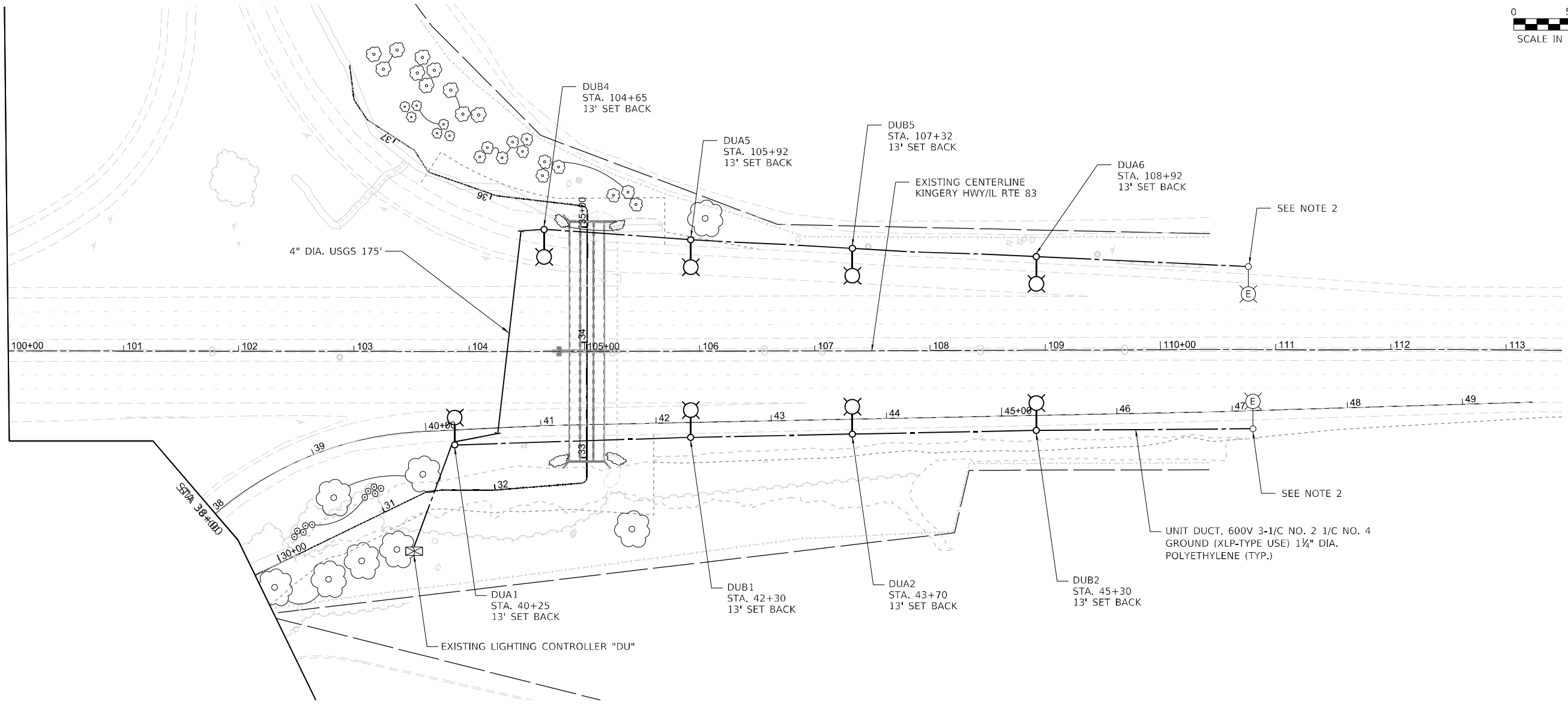
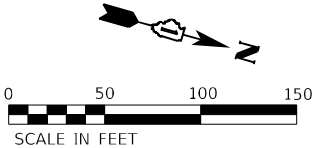
USER NAME = mdlrtche	DESIGNED - BL	REVISED -
DRAWN - SR	CHECKED - MB	REVISED -
PLOT SCALE = \$SCALE\$	DATE - 4/16/2021	REVISED -
PLOT DATE = 4/16/2021		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
REMOVAL/TEMPORARY LIGHTING

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

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY	TOTAL SHEETS 122	SHEET NO. 48
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. FOR LEGEND AND GENERAL NOTES SEE SHEET EL-1
 2. THE PROPOSED LIGHTING SHALL BE RECONNECTED TO THE EXISTING LIGHTING CIRCUIT.
 3. THE PROPOSED POLES SHALL BE SET BACK A MINIMUM OF 13 FT. FROM THE EDGE OF TRAVELED PAVEMENT.
 4. UCGS STANDS FOR UNDERGROUND CONDUIT GALVANIZED STEEL.

MODEL: \\MODEL\NAME\FILE: NAME.DWG;PLOT:EL-03.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = mdlctche	DESIGNED - BL	REVISED -
DRAWN - SR	CHECKED - MB	REVISED -
PLOT SCALE = \$SCALE\$	DATE - 4/16/2021	REVISED -
PLOT DATE = 4/16/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

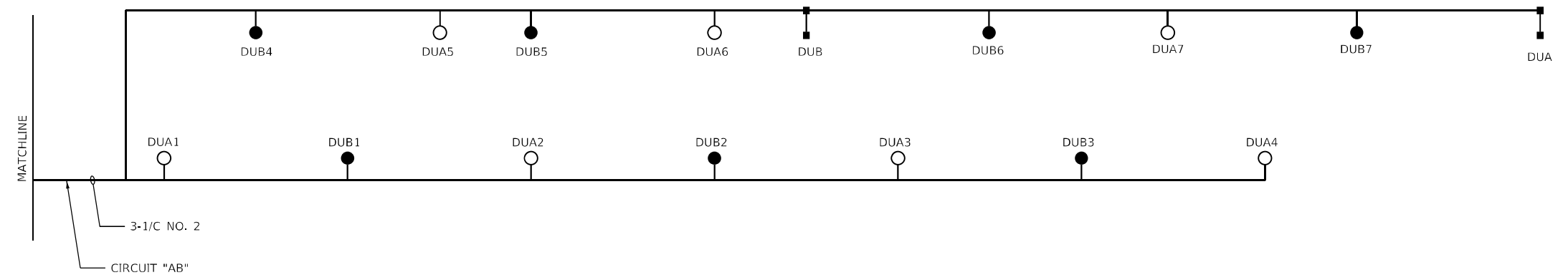
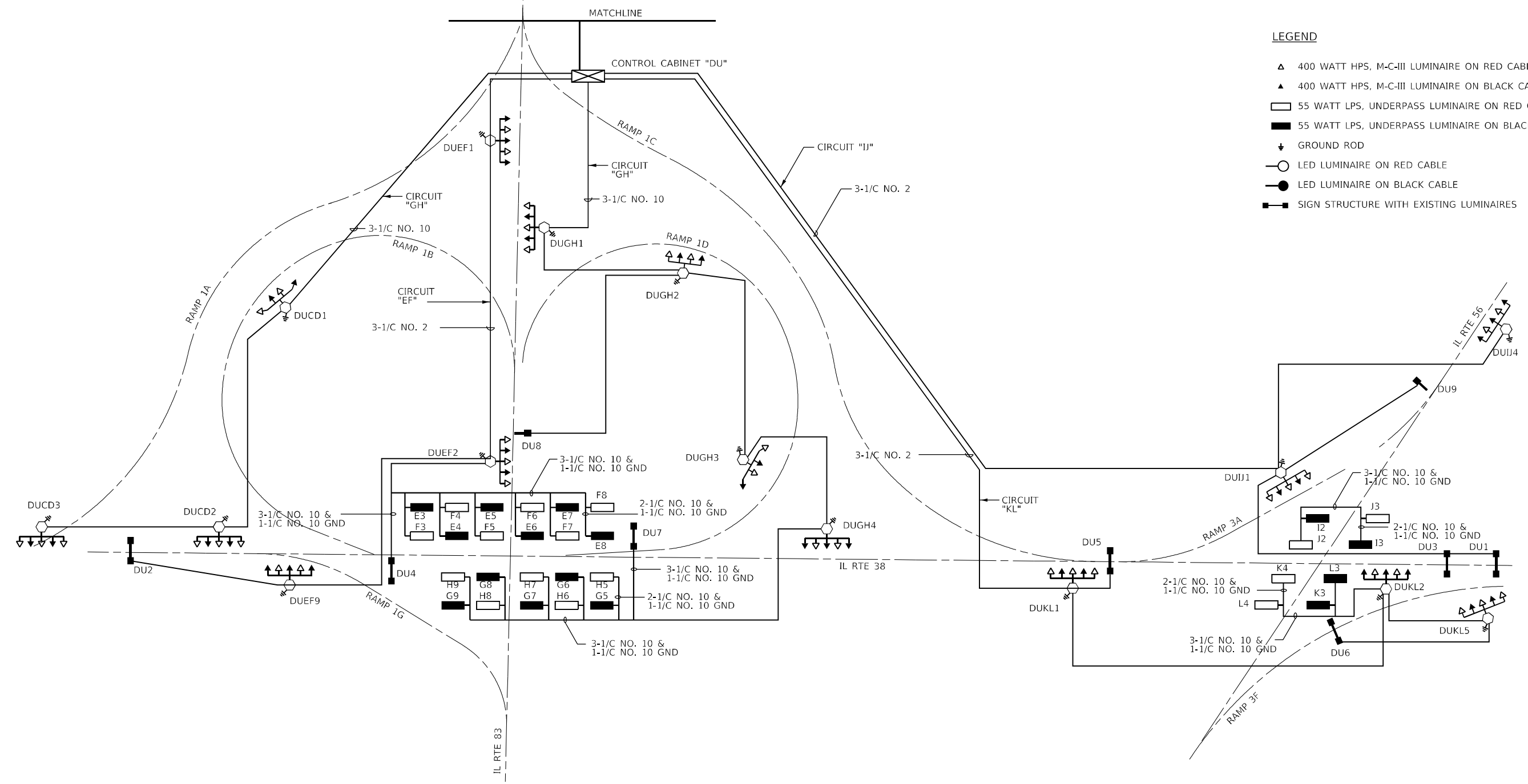
**IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
PROPOSED LIGHTING PLAN**

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

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 49
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- ▲ 400 WATT HPS, M-C-III LUMINAIRE ON RED CABLE
 - ▲ 400 WATT HPS, M-C-III LUMINAIRE ON BLACK CABLE
 - 55 WATT LPS, UNDERPASS LUMINAIRE ON RED CABLE
 - 55 WATT LPS, UNDERPASS LUMINAIRE ON BLACK CABLE
 - ⊕ GROUND ROD
 - LED LUMINAIRE ON RED CABLE
 - LED LUMINAIRE ON BLACK CABLE
 - SIGN STRUCTURE WITH EXISTING LUMINAIRES



NOTE:
 1. ALL HPS LUMINAIRES ON LIGHTING UNITS NORTH OF CONTROLLER "DU" SHALL BE REPLACED WITH LED LUMINAIRES.

MODEL: 1400BELNAMES
 FILE NAME: D:\ENR\2020\EL-04.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = mdlctche	DESIGNED - BL	REVISED -
DRAWN - SR	REVISOR -	
PLOT SCALE = \$SCALE\$	CHECKED - MB	REVISED -
PLOT DATE = 4/16/2021	DATE - 4/16/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 OVER DITCH AT IL 38 (WB) RAMP
SINGLE LINE WIRING DIAGRAM

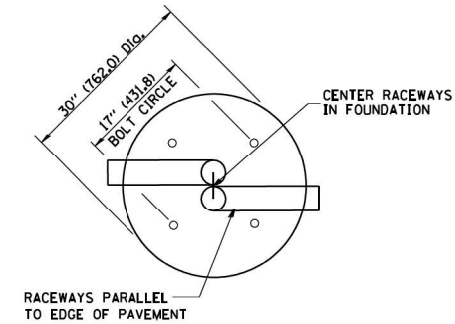
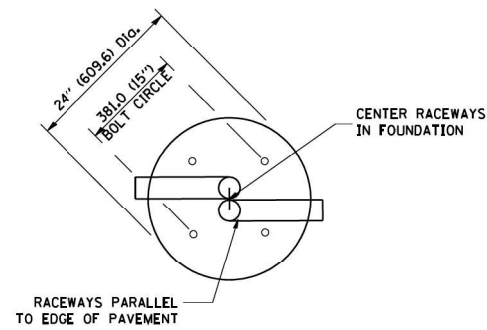
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 50
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	

EL-4

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Ou = 0.375 TON/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Ou = 0.75 TON/SO.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Ou = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)

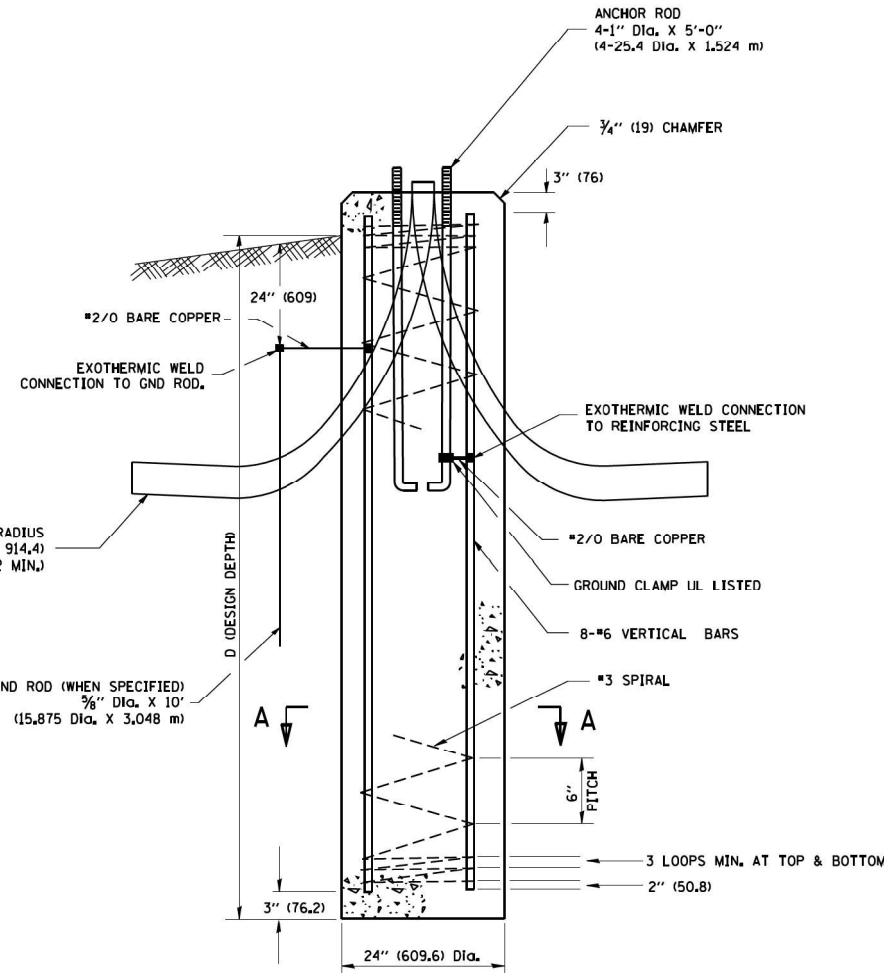


TOP VIEW

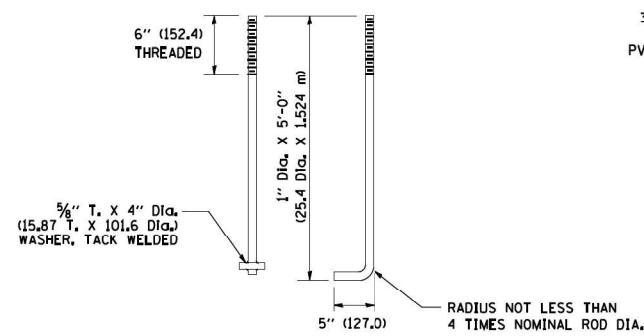
TOP VIEW

NOTES

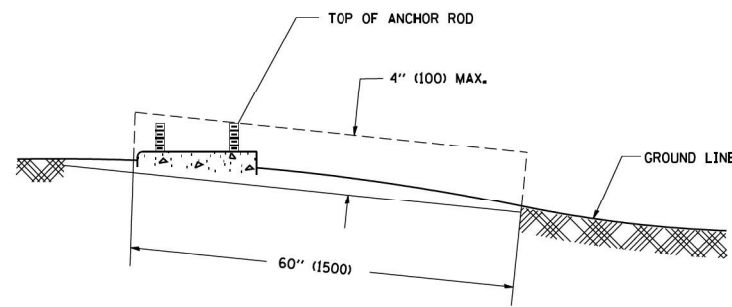
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



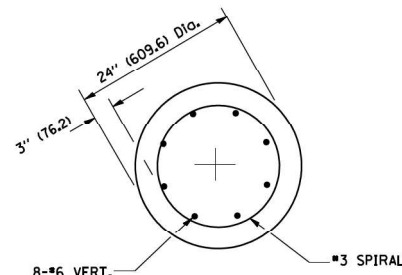
FOUNDATION DETAIL



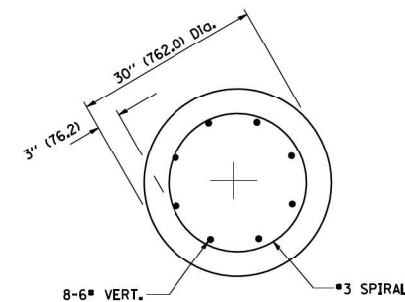
ANCHOR ROD DETAIL



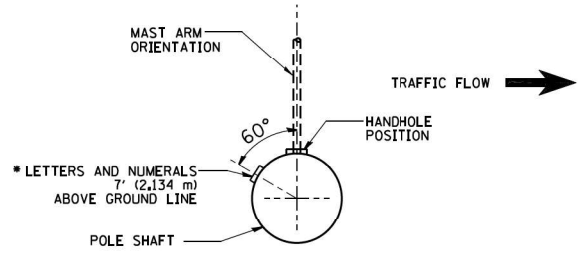
FOUNDATION EXTENSION DETAIL



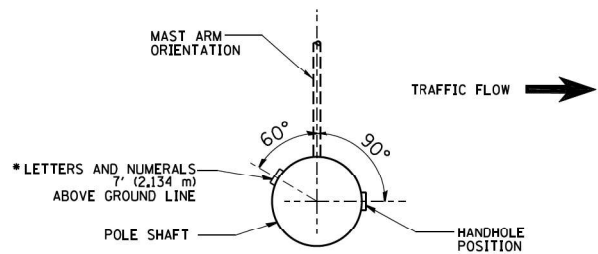
SECTION A-A



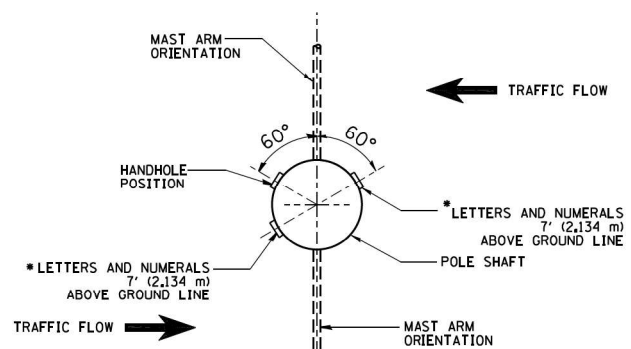
SECTION A-A



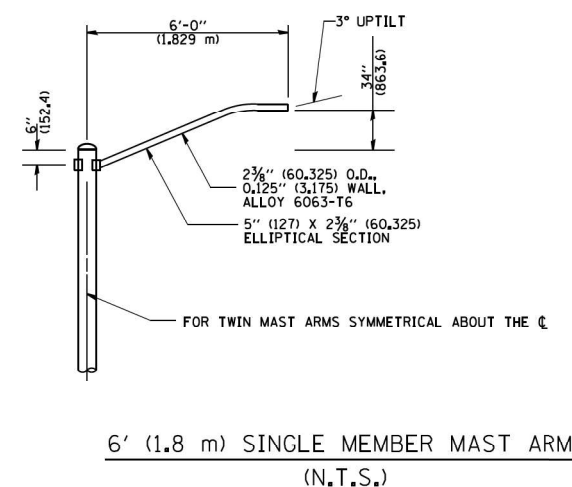
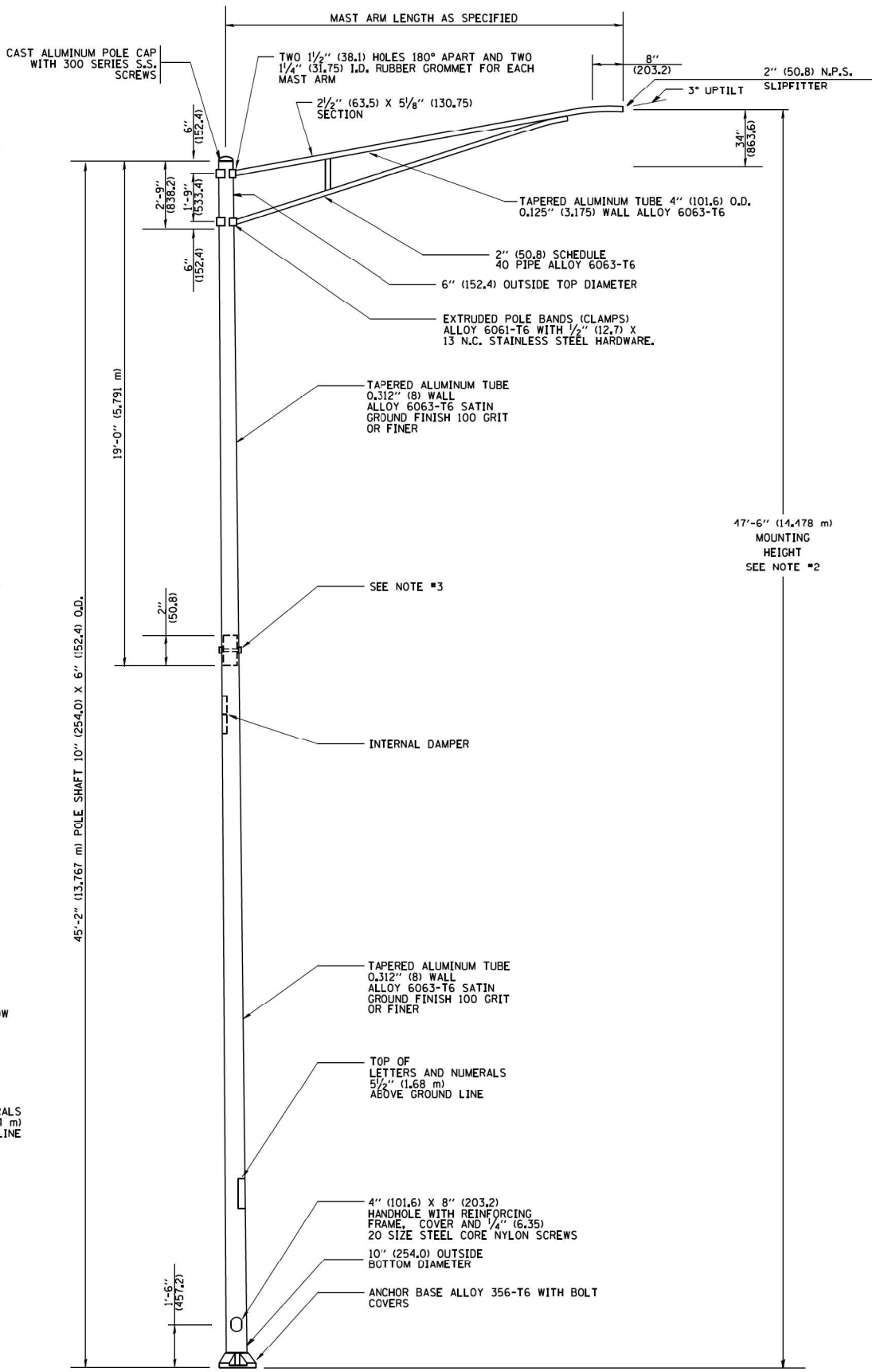
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

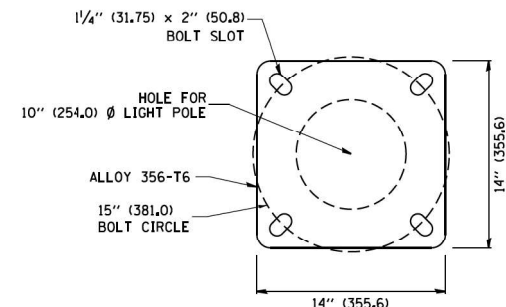


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

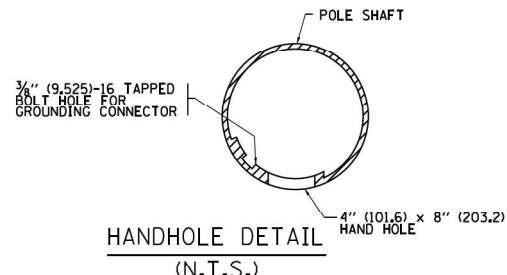


6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)

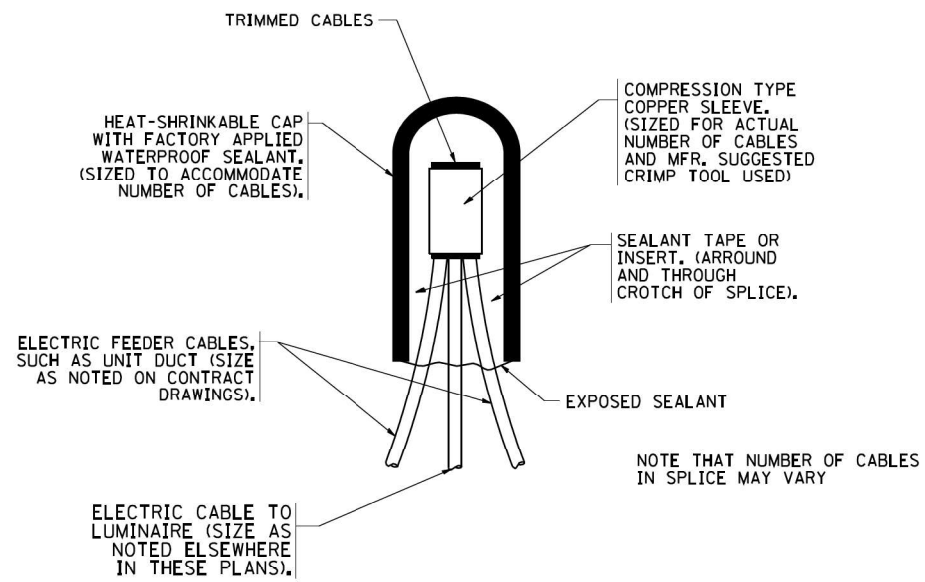
- NOTES:
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE

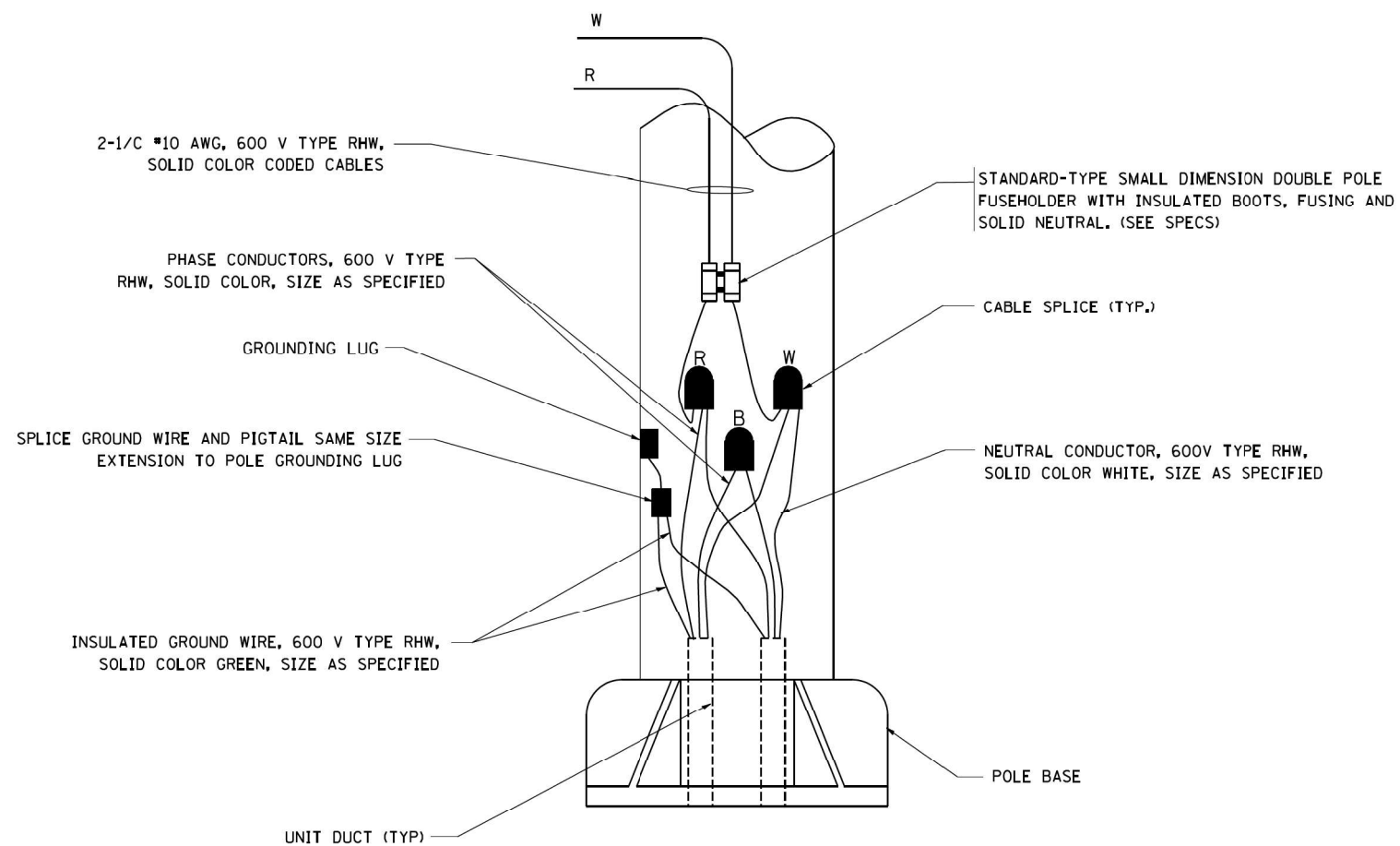


HANDHOLE DETAIL (N.T.S.)



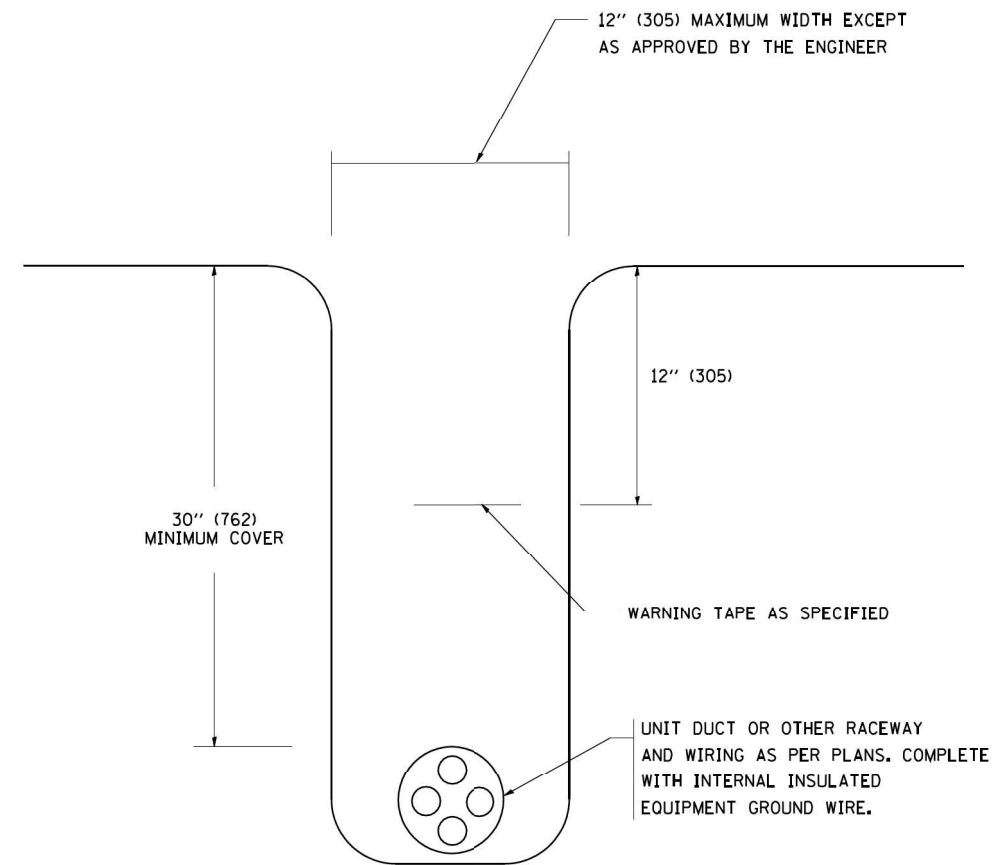
TYPICAL SPLICE DETAIL

N.T.S.



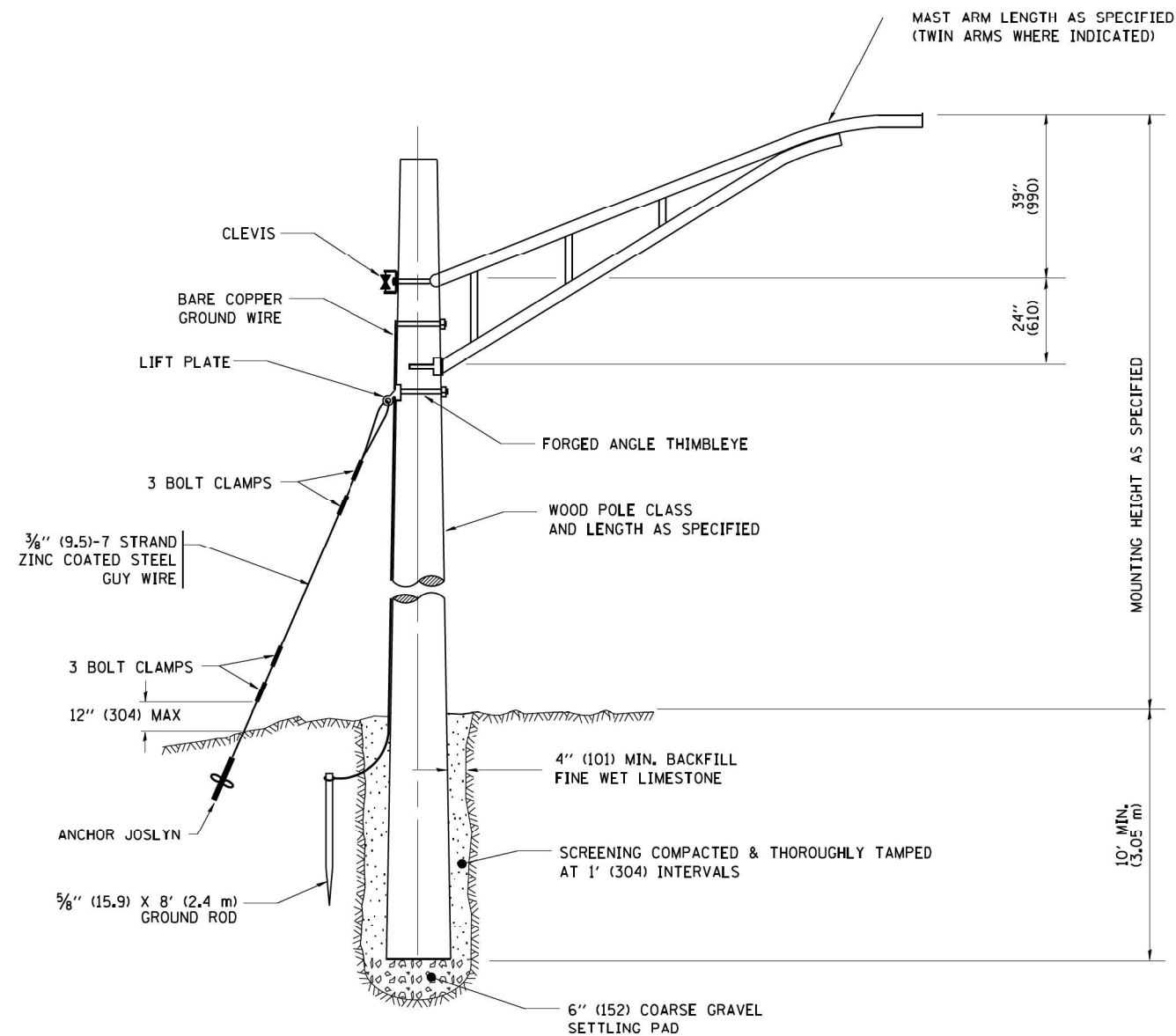
POLE WIRING DETAIL

N.T.S.

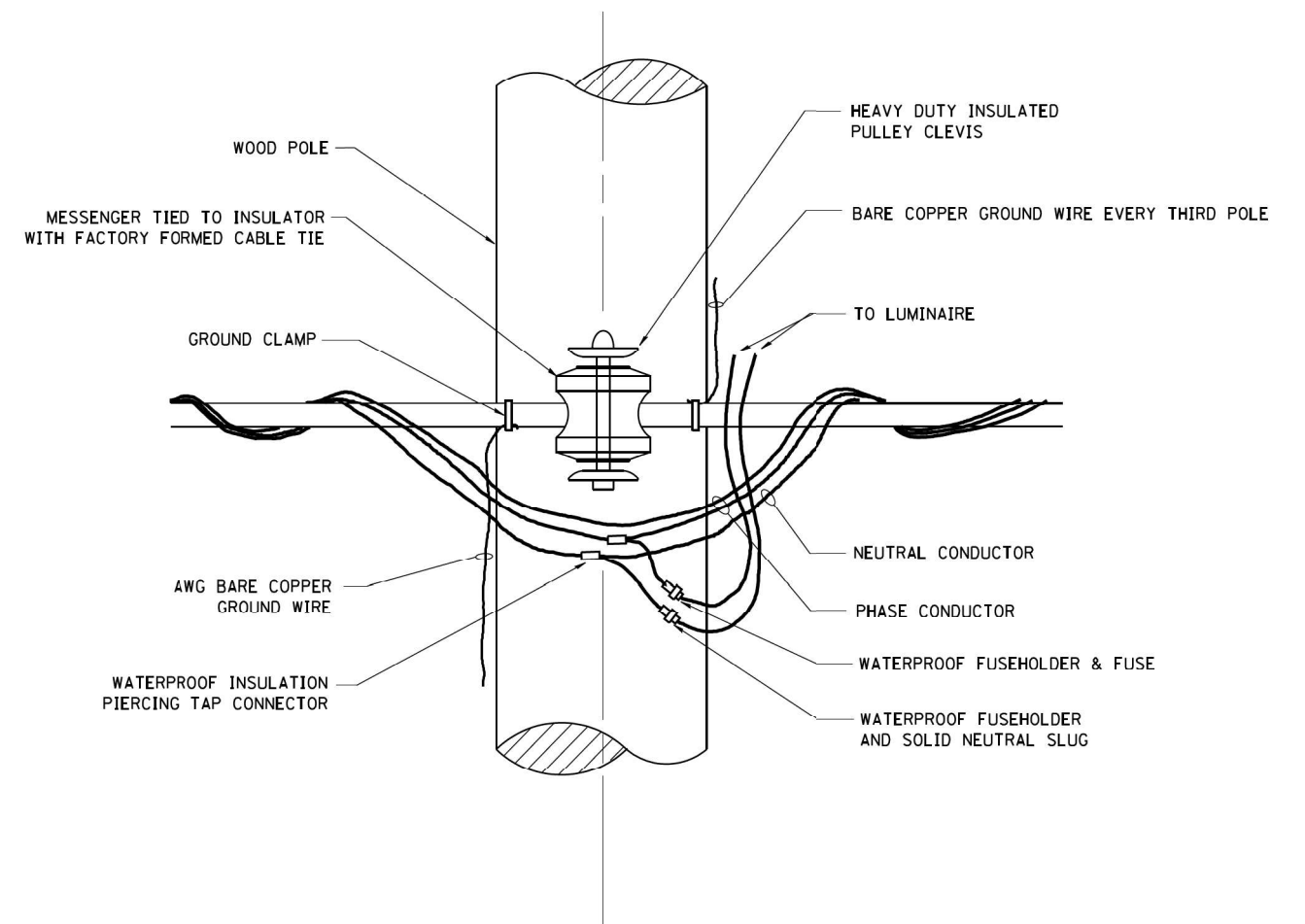


TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



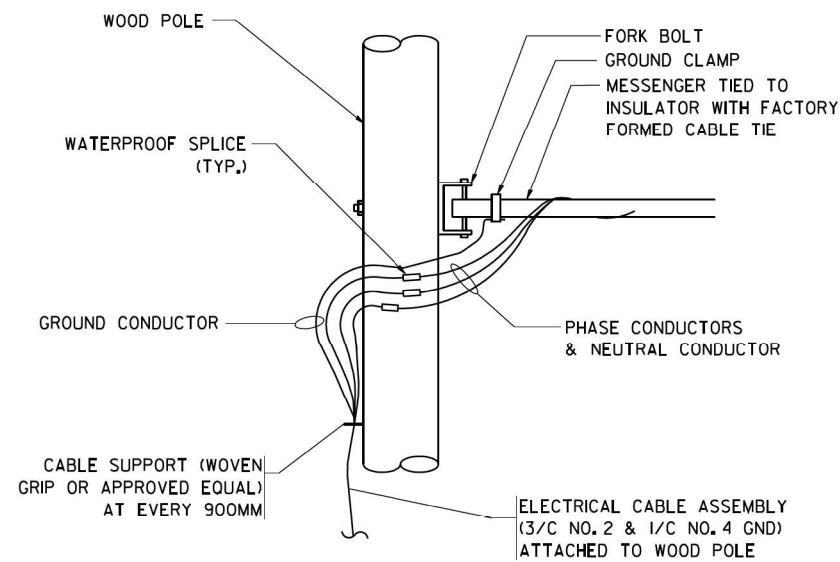
TEMPORARY LIGHT POLE DETAIL



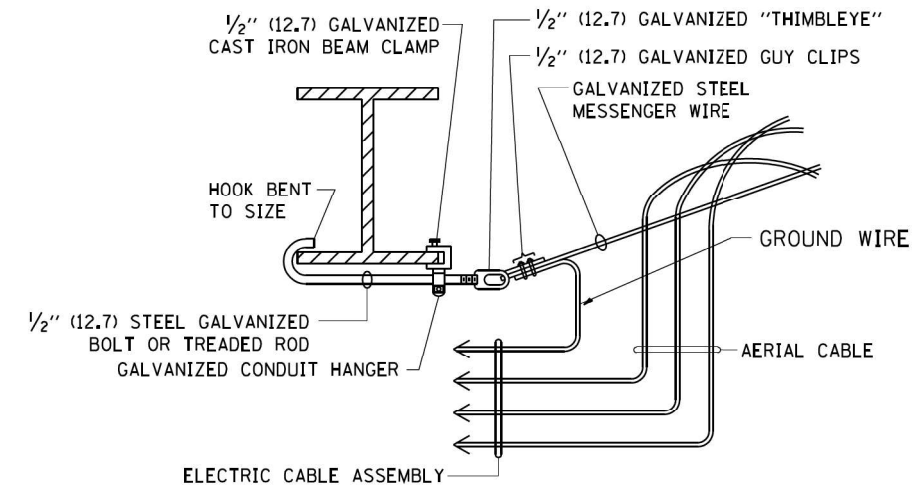
TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED



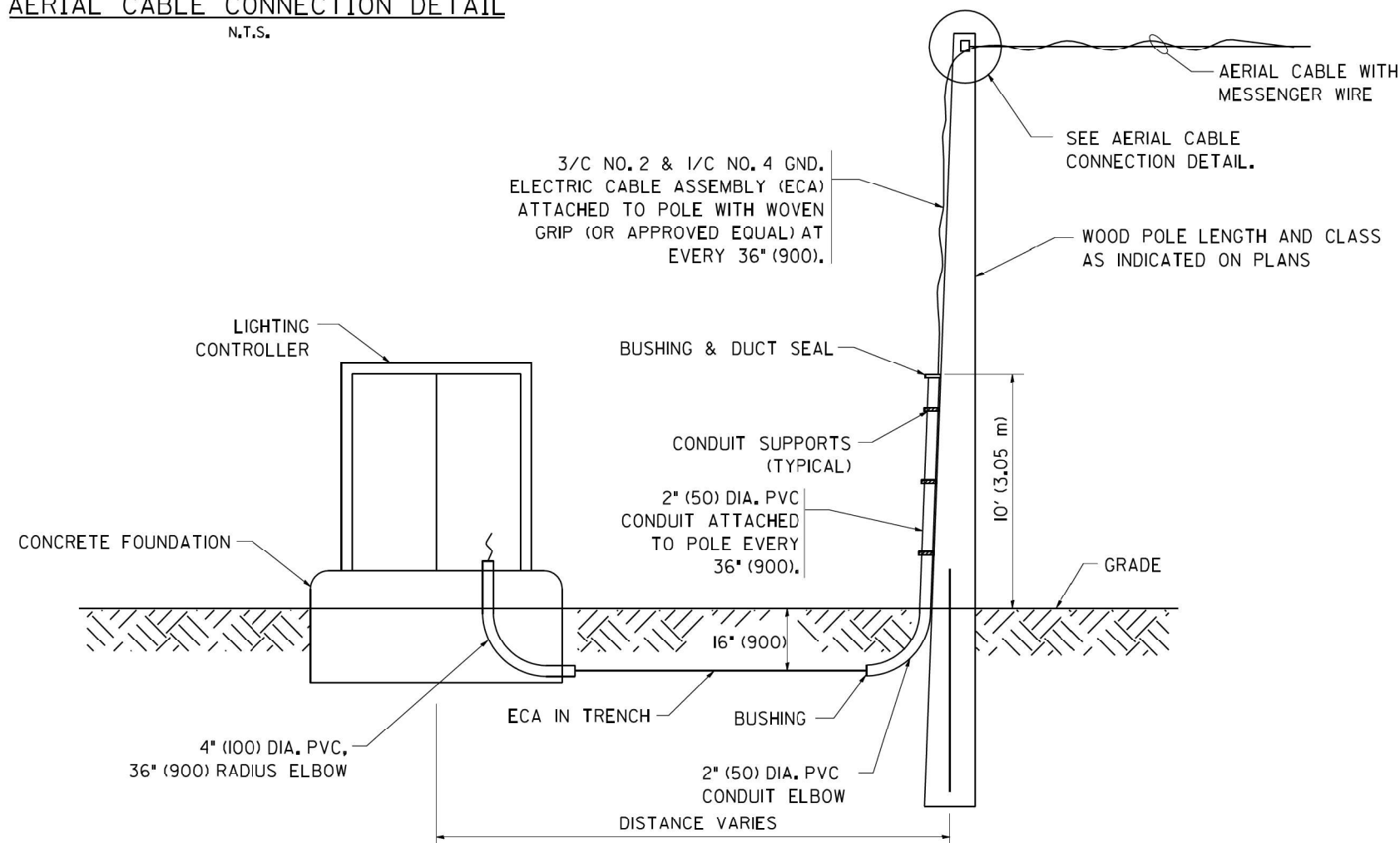
AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL
N.T.S.

BENCH MARK:
Southeast corner of the roof at "Marchese and Son, Inc." located at intersection of Central Avenue and Monaco Drive, Elev. 811.68

EXISTING STRUCTURE:
The structure is a 10'x4' reinforced concrete single box culvert. The structure carries F.A.P. Route 344 / IL 83 over a drainage ditch located 1000 feet north of IL 38 / Roosevelt Road and is a tributary to Salt Creek. The culvert has a length of 195'-5". Existing structure to be bulkheaded and filled with CLSM once the proposed structure is constructed.

TRAFFIC CONTROL:
Three stages of construction will be implemented where only stage one requires lane reductions. Southbound-off and northbound-on ramps will remain open through all stages.

WATERWAY INFORMATION

Drainage Area = 0.57 sq. mi.		Low Grade Elev. = 666.29 @ Sta. 106+81				
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft. Exist.	Headwater El. Prop.
In Stream Work	2	61.5	40	88	660.93	0.07
	10	134	40	88	661.68	0.33
Design	50	231	40	88	662.61	0.96
Base	100	283	40	88	663.20	1.52
Overtopping	500	437	40	88	666.20	0.74
Max. Calc.	500	437	40	88	666.20	0.61

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS

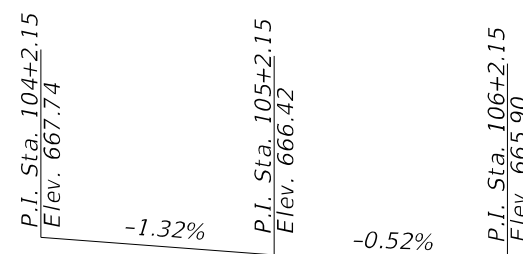
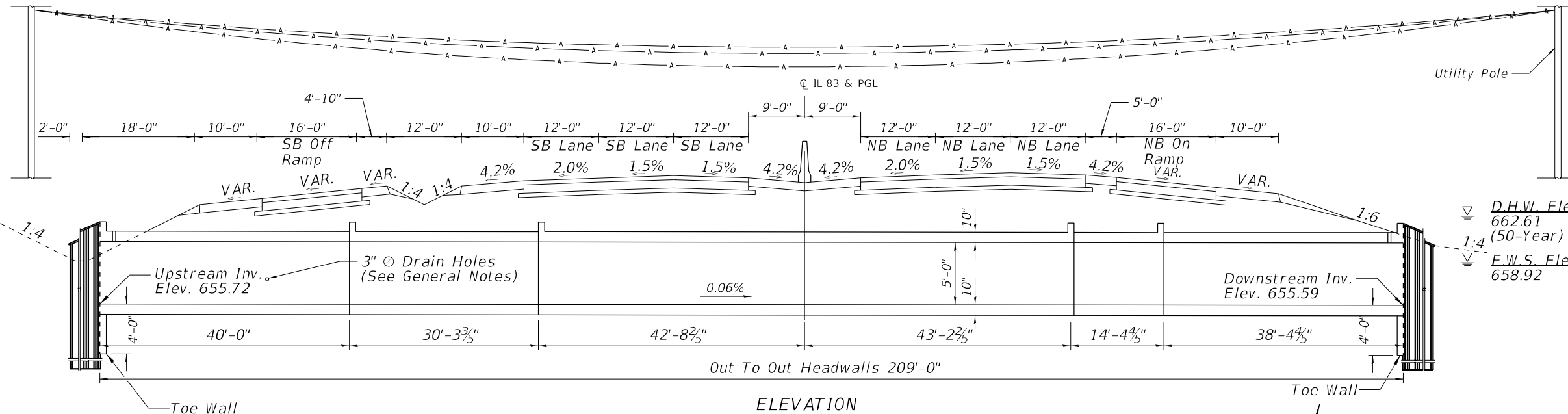
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Reinforcement)

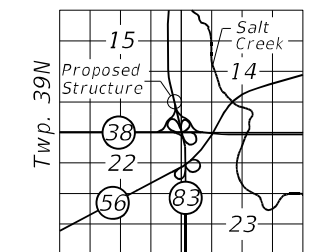
HIGHWAY CLASSIFICATION

F.A.P. Rte. 344 (IL Rte 83)
Functional Class: Other Principal Arterial
ADT: 68,100 (2017); 69,800 (2040)
ADTT: 9750 (2017); 10,000 (2040)
DHV: 6810
Design Speed: 55 m.p.h.
Posted Speed: 50 m.p.h.
Two-Way Traffic (6 lanes)
Directional Distribution: 50 (SB) / 50 (NB)

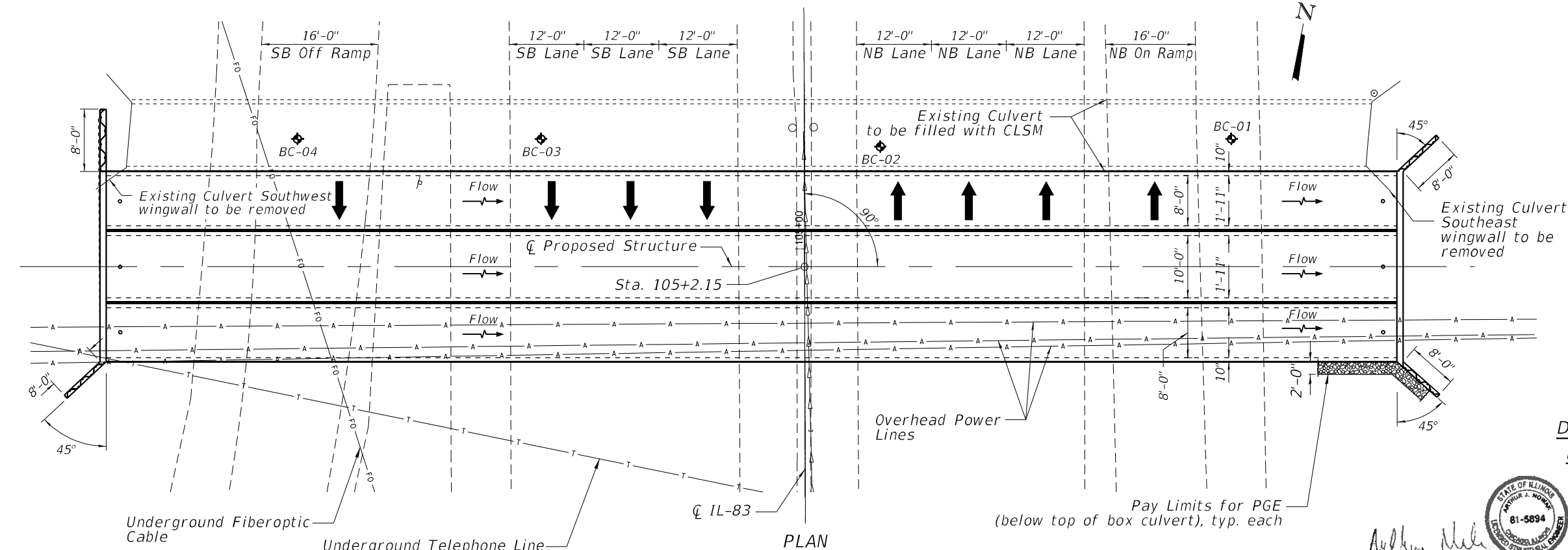


PROFILE GRADE
(Along \bar{C} of IL 83)

Range 11E, 3rd P.M.



LOCATION SKETCH



GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 83 OVER
DITCH AT ILLINOIS ROUTE 38 (WB) RAMP
F.A.P. RTE. 344 - SECTION 2020-196-T
DUPAGE COUNTY
STATION 105+02
STRUCTURE NO. 022-8300



MODEL: 0228300_04M69-001
 FILE NAME: P:\00000000 - DOT\00000000 (ENG) - PTB_1954-016 Phase II Var. Var. Engineering\01001 - IL83-IL38WB - Drawings\0228300-04M69.dgn
 DATE: 3/10/2021



USER NAME = atlemann	DESIGNED - KJH	REVISED -
PLOT SCALE = 20:0,0000 " = 1" / in.	DRAWN - AHT	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AJN	REVISED -
	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
CULVERT - STRUCTURE NO. 022-8300

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	

CUL-01

GENERAL NOTES

- The design fill height for this box is 5 ft. the precast box culvert sections shall conform to the requirements of ASTM C 1577.
- 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 and exceed clear spacing of 10 ft. Drain holes shall not intercept the joints between the segments, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- The 6 in. thick layer of porous granular material required for the precast concrete box culvert per Art. 540.06 of the Standard Specifications shall also apply to the end sections. Cost of the porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
- 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 back filled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.

CONSTRUCTION

- Contractor shall not scale dimensions from the contract plans for construction purposes. Scales shown are for information only.
- No concrete cutting shall be permitted until the cutting limits have been outlined by the contractor and approved by the engineer.
- No construction joints except those shown on the plans shall be allowed unless approved by the engineer.
- It shall be the contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
- Temporary soil retention systems, sheeting, bracing or cofferdams shall be constructed at the locations shown on the plans and/or as required for the excavation to protect the adjacent areas from settling or failing into the excavated areas.
- The boring logs represent point information. Presentation of this information in no way implies that subsurface conditions are the same at locations other than the exact location of the boring.
- During construction, OSHA requires that a minimum of thirteen (13) feet working clearance must be maintained between the booms, arms or other parts that can be raised on the equipment by the contractor and Comed's existing electric transmission lines. Under no circumstances, should truck beds be raised directly underneath Comed transmission lines.

CAST-IN-PLACE CONCRETE

- All Exposed Concrete Edges shall have a 3/4" x 45° chamfer except where shown otherwise Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

REINFORCEMENT BARS

- Including epoxy-coated reinforcement bars, shall conform to the requirements of AASHTO M-31 (ASTM A706), grade 60, deformed bars.
- Reinforcement bars designated "(E)" shall be epoxy coated.
- Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 315.
- Reinforcement bar bending dimensions are out to out.

TOTAL BILL OF MATERIAL

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
20700220	Porous Granular Embankment	CU. YD.	1,061
50200100	Structure Excavation	CU. YD.	2,890
54003000	Concrete Box Culverts	CU. YD.	31.9
50800205	Reinforcement Bars, Epoxy Coated	POUND	2,320
51500100	Name Plates	EACH	1
52200015	Permanent Sheet Piling	SQ. FT.	736
52200020	Temporary Soil Retention System	SQ. FT.	1,764
54010805	Precast Concrete Box Culverts 8'x5'	FOOT	412.0
54011005	Precast Concrete Box Culverts 10'x5'	FOOT	206.0
59100100	Geocomposite Wall Drain	SQ. YD.	766.8
59300100	Controlled Low-Strength Material	CU. YD.	300
X0900064	Membrane Waterproofing For Buried Concrete Structures	SQ. YD.	766.8

INDEX OF SHEETS

- CUL-1 General Plan and Elevation
- CUL-2 Gneral Notes and Total Bill of Material
- CUL-3 Stage Construction 1
- CUL-4 Stage Construction 2
- CUL-5 Typical Sections
- CUL-6 Culvert Assembly Sheet
- CUL-7 End Sections
- CUL-8 End Section Details
- CUL-9 Soil Boring 1
- CUL-10 Soil Boring 2

LIST OF ABBREVIATIONS

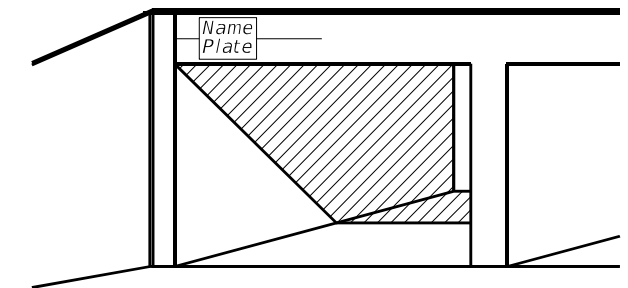
B	Baseline	B.F.	Back Face
cl.	Centerline	cl.	Clearance
const.	Constant	CUL	Culvert
E.F.	Each Face	Ø	Diameter
exist.	Existing	elev.	Elevation
F.F.	Front Face	f	Flow Line
jt.	Joint	I.F.	Inside Face
max.	Maximum	long.	longitudinal
no.	Number	min.	Minimum
PGL	Profile Grade Line	O.F.	Outside Face
req'd.	Required	prop.	Proposed
sect.	Section	rte.	Route
spec.	Specification	spa.	Spaces
std.	Standard	sta.	Station
typ.	Typical	struct.	Structure

LEGEND

- FO Existing Fiber Optic
- A Existing Aerial Line
- T Existing Telephone Line
- Existing Storm Sewer

STATION 105+02
BUILT 202_ BY
STATE OF ILLINOIS
LOADING HL-93
STRUCTURE NO. 022-8300

NAME PLATE
See Std. 515001



FOR MULTI-SPAN CULVERTS
(Unless otherwise noted on the plans, name plates are not required for structures less than 20' in length)

MODEL: 0228300-0228300-002 (ENG) - PTB 195-016 Phase II Ver. Van Engineering/VO 01 - IL83-IL38500 Drawings/01 CADD Drawings/0228300-0228300-002



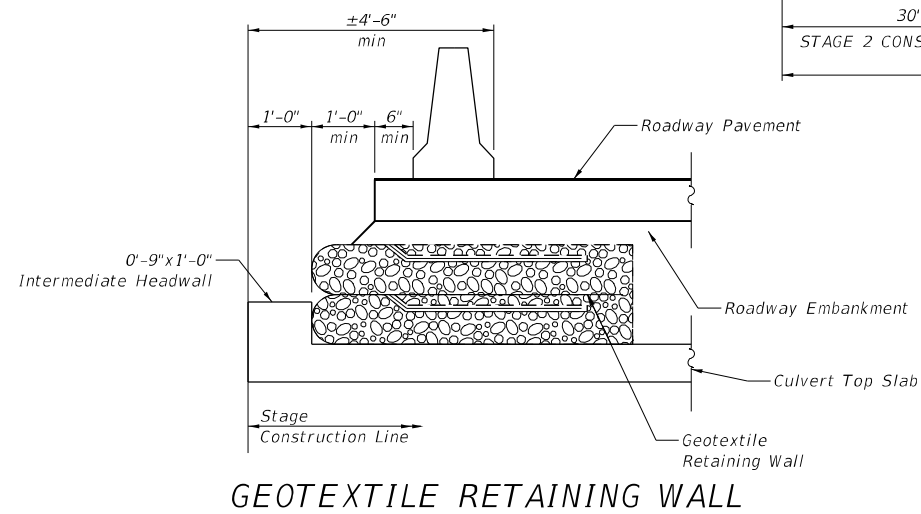
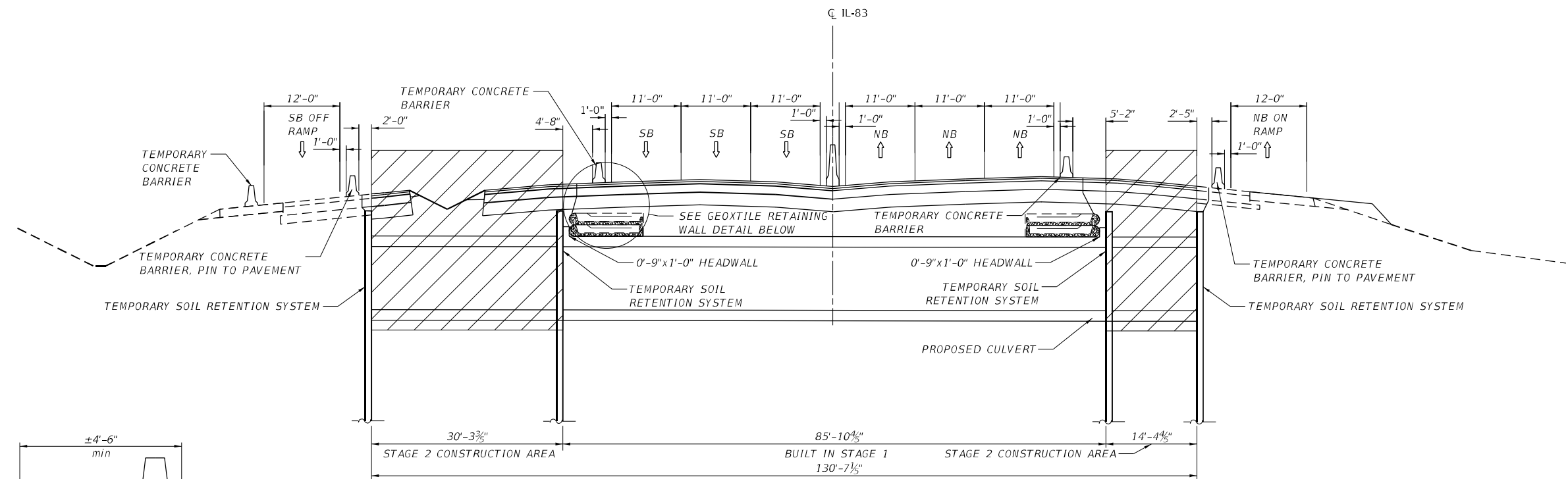
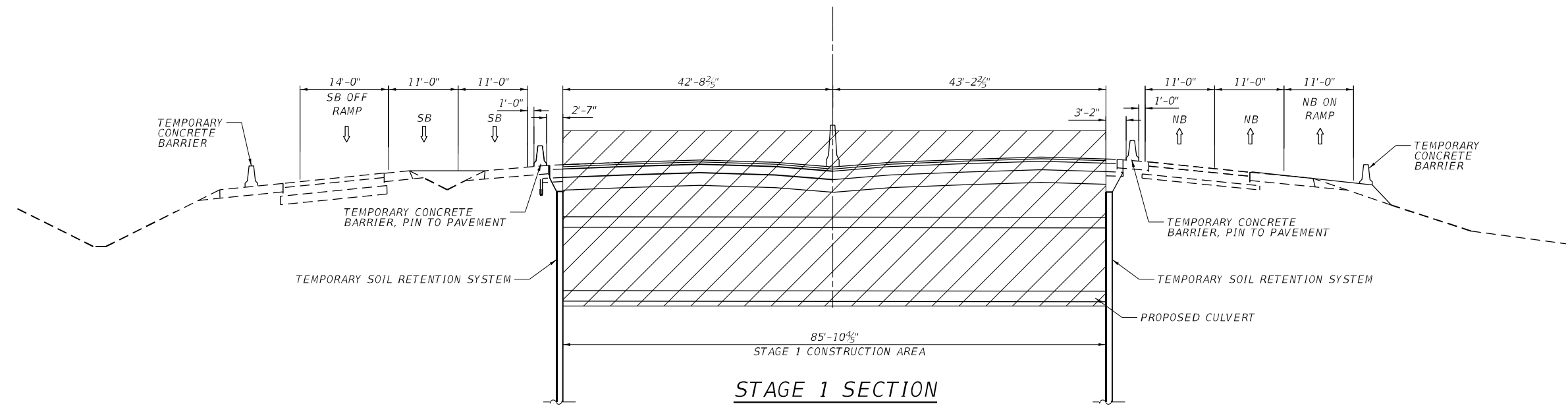
USER NAME = atlemann	DESIGNED - KJH	REVISED -
	DRAWN - AHT	REVISED -
PLOT SCALE = 20:0,0000 " : / in.	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES AND TOTAL BILL OF MATERIAL CULVERT - STRUCTURE NO. 022-8300	
SCALE:	SHEET CUL-2 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	57
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	

CUL-02



Note:
Cost for Geotextile Retaining Wall is included with
the cost of Temporary Soil Retention System.

MODEL: 0228306_0228306-002 (ENG) - PTB 195-016 Phase II Ver. For Engineering/WO 01 - IL83-IL38500 Drawings/01 CADD Drawings/0228306-0228306.dgn
 FILE NAME: P:\0228306 - DOT\040058-01-002 (ENG) - PTB 195-016 Phase II Ver. For Engineering/WO 01 - IL83-IL38500 Drawings/01 CADD Drawings/0228306-0228306.dgn



USER NAME = atlemann	DESIGNED - KJH	REVISED -
311 S. Wacker Drive, Suite 1950 Chicago, Illinois 60606 312-414-0580 www.bowmanconsulting.com	DRAWN - AHT	REVISED -
PLOT SCALE = 20:0,0000 " : " / in.	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

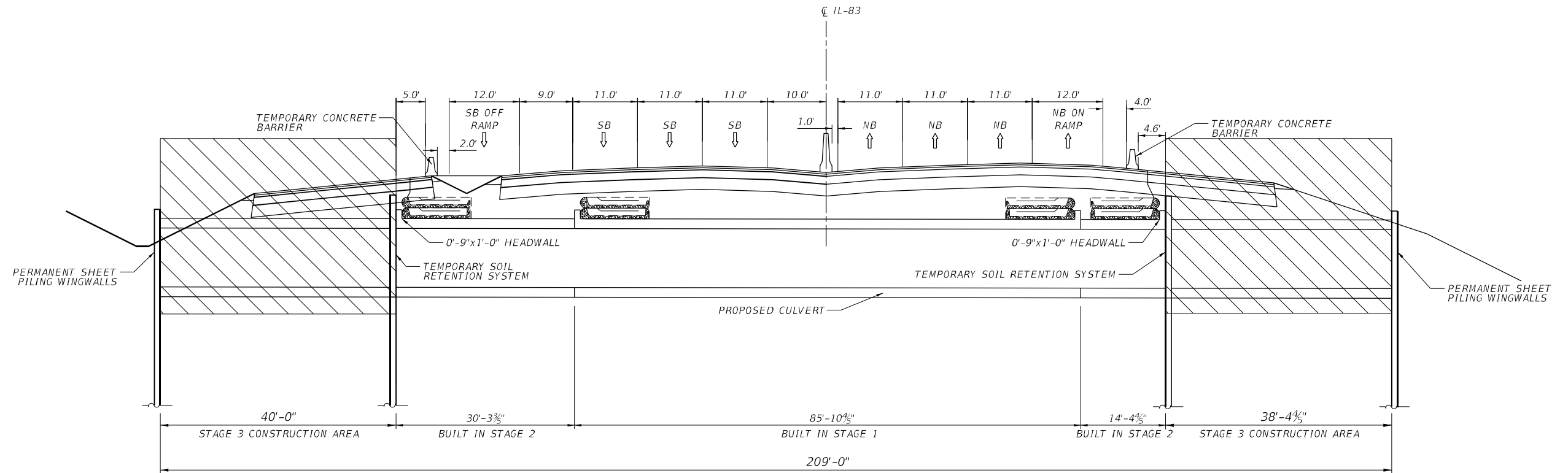
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION 1
CULVERT - STRUCTURE NO. 022-8300**

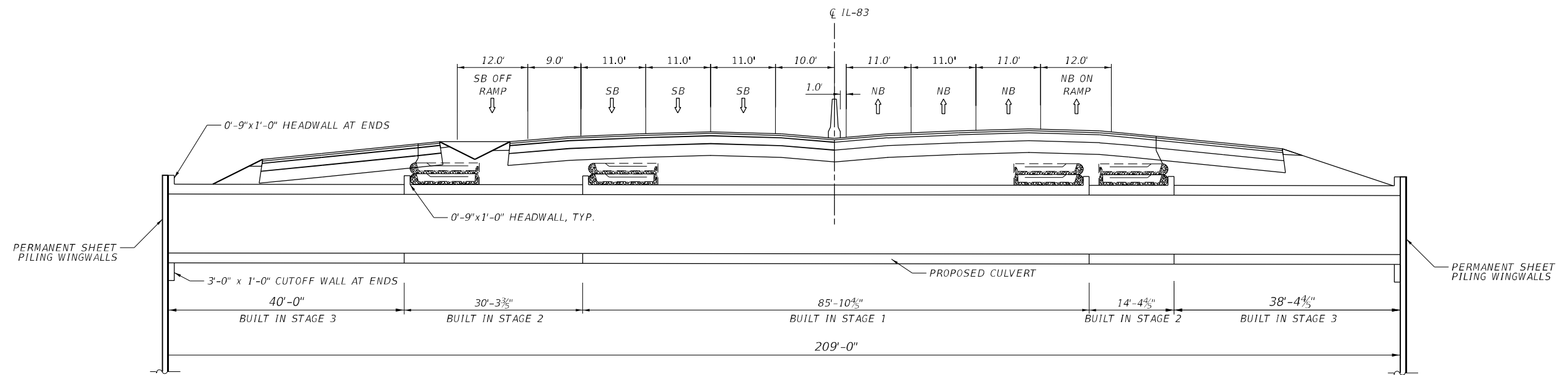
SCALE: SHEET CUL-03 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	58
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

CUL-03



STAGE 3 SECTIONS



FINAL SECTION

MODEL: 0228306_04M69-004
 FILE NAME: P:\0228306 - DOT\040658\01\002 (ENG) - PTB_195-016 Phase II Ver. V01\Engineering\01\Drawings\01_CADD_Drawings\0228306_04M69.dgn



USER NAME = atlemann	DESIGNED - KJH	REVISED -
311 S. Wacker Drive, Suite 1950 Chicago, Illinois 60606 312-414-0580 www.bowmanconsulting.com	DRAWN - AHT	REVISED -
PLOT SCALE = 20:0,0000 " = 1" / in.	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

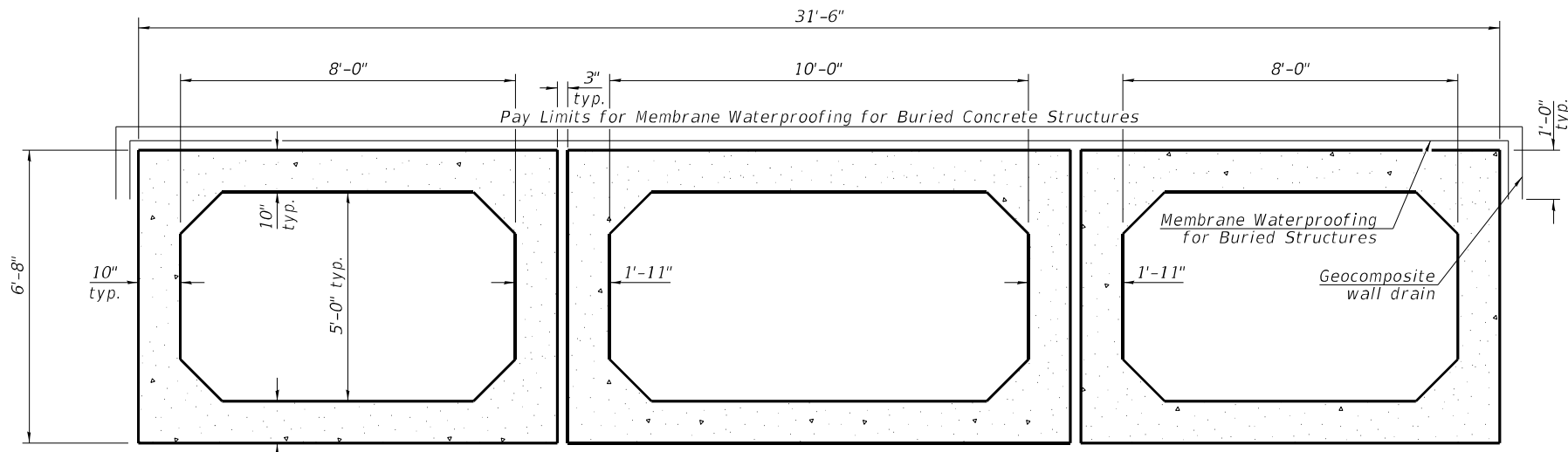
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION 2
CULVERT - STRUCTURE NO. 022-8300**

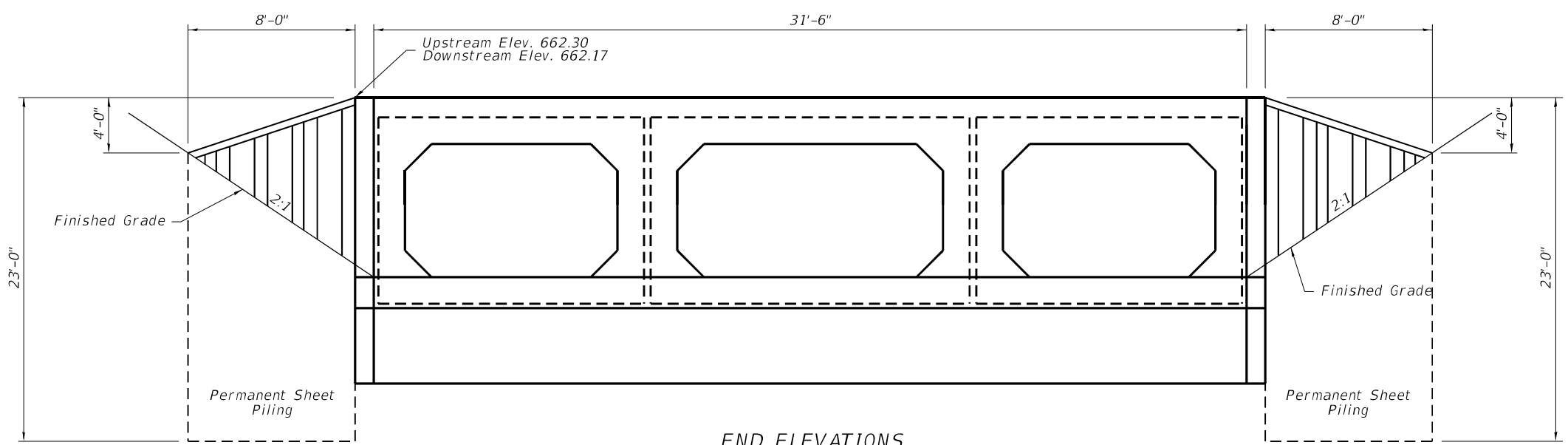
SCALE: SHEET CUL-04 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	59
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

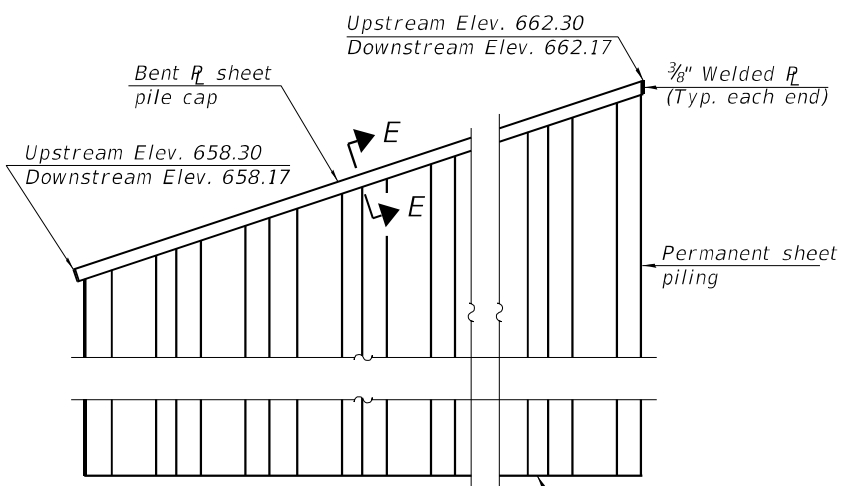
CUL-04



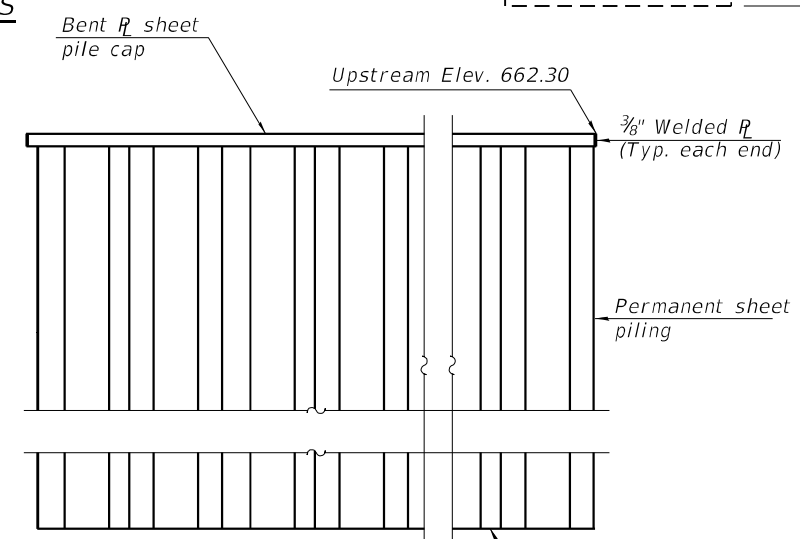
SECTION THRU BARREL



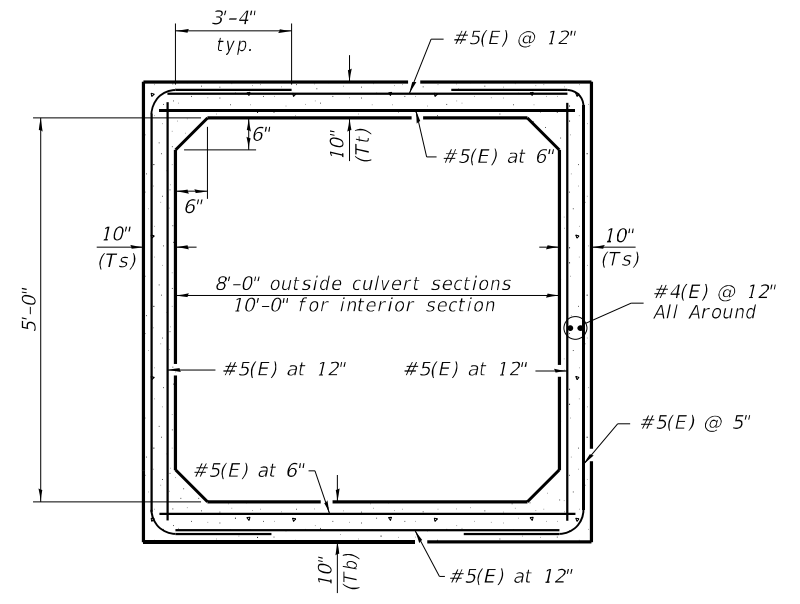
END ELEVATIONS



WINGWALL ELEVATION
(East and Southwest Wingwalls)



WINGWALL ELEVATION
(Northwest Wingwall only)



Culvert Typical Section

Notes:
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.
 The minimum effective section modulus of the permanent sheet pile wall shall be 30 in.³/ft.
 Pre-augering maybe required for installation of the Permanent Steel Sheet Pile Wall in order to loosen the sub soils. Additionally, sheet pile shoes are required for installation. The cost of pre-augering and sheet pile shoes is included in the Permanent Sheet Pile pay item.
 Sheet piling shall not be driven until the concrete strength has attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.
 The cost of furnishing and installing the bent R sheet pile cap, elastomeric mat, and filter fabric shall be included in the cost of the end section.
 See sheets CUL-03 and 04 of 10 for culvert construction sequence.
 Removal and Disposal of Unsuitable Material For Structures should be utilized only if unstable or unsuitable material is encountered in the field prior to placement of the Precast Culvert. The depth to which excavation should extend when removing unsuitable materials must be determined. Notify the District geotechnical engineer to provide guidance to determine the depth this material should be excavated and the type of backfill to be used.

MODEL: 022830-04-M69-005
 FILE NAME: P:\022830-04-M69-005-002 (ENG) - PTB 195-016 Phase II Ver. Vpr\Engineering\022830-04-M69-005.dwg
 CADD: Drawings\022830-04-M69-005.dwg



USER NAME = atlemann	DESIGNED - KJH	REVISED -
311 S. Wacker Drive, Suite 1950 Chicago, Illinois 60606 312-474-0360 www.bowmanconsulting.com	DRAWN - AHT	REVISED -
PLOT SCALE = 2:0.0043 1" = 7 in.	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

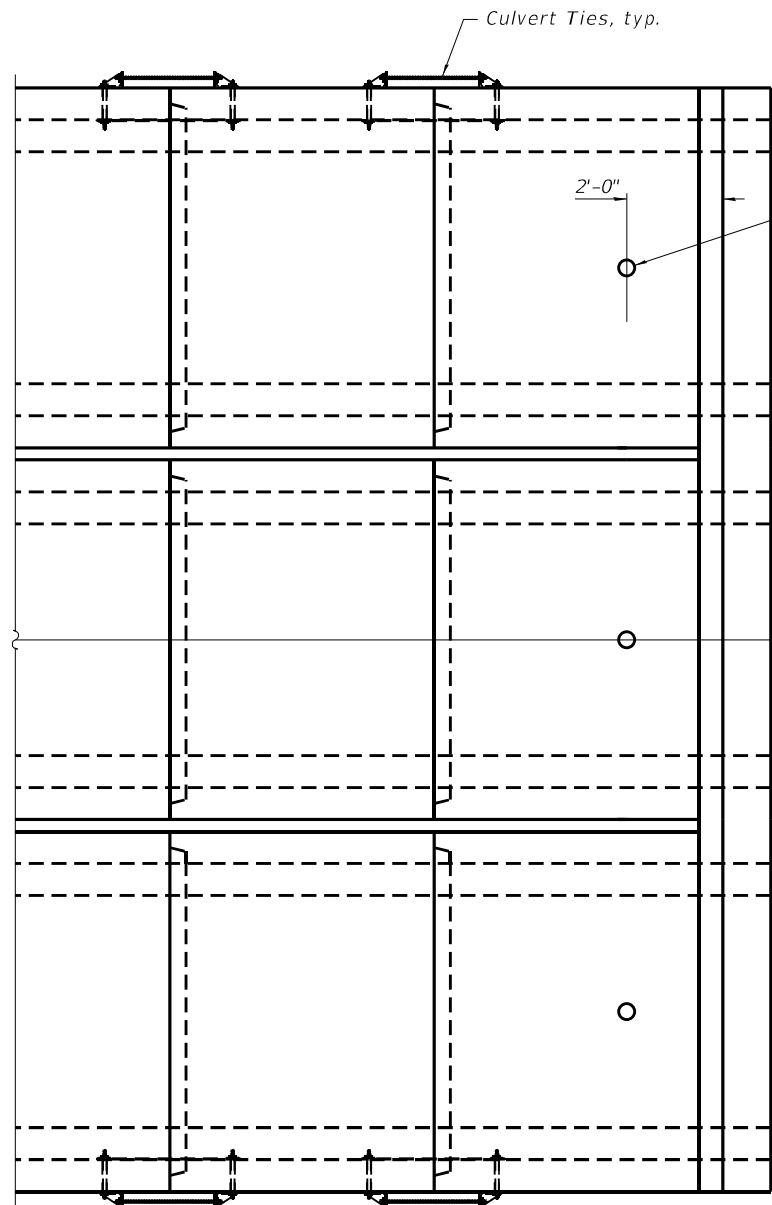
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS CULVERT - STRUCTURE NO. 022-8300	
SCALE:	SHEET CUL-05 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	60
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

CUL-05

* Precast box culvert end section joints with a total vertical height less than 8'-0" shall only require one culvert tie placed at midheight.



Culvert Ties, typ.

2'-0"

3" Ø Drain hole
See Sheet CUL-8 for drain details

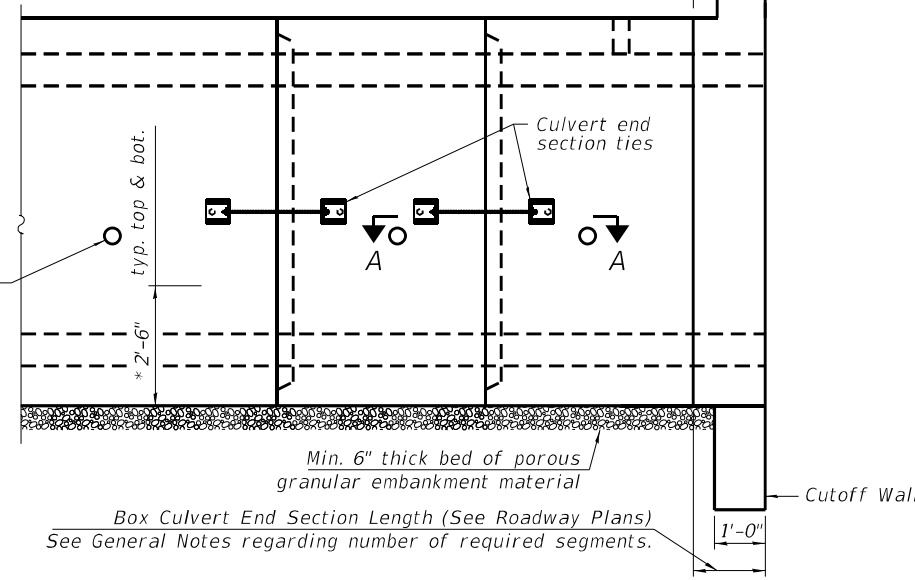
3" Ø Drain holes
(See General Notes on CUL-02)

Fill with
Class SI concrete

Ø Culvert

Pay Limits for Precast Concrete Box Culverts

Cast in place end section



1'-6"

1'-0"

* 2'-6" typ. top & bot.

Culvert end section ties

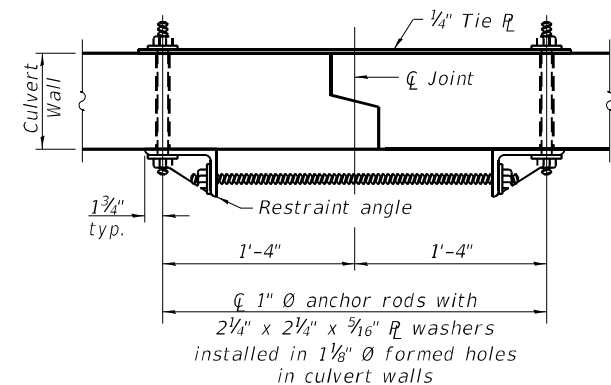
Min. 6" thick bed of porous granular embankment material

Box Culvert End Section Length (See Roadway Plans)
See General Notes regarding number of required segments.

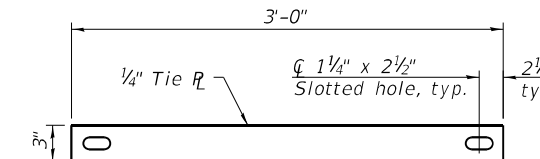
Cutoff Wall

1'-0"

ELEVATION



SECTION A-A
(Showing end section tie details)



TIE PLATE DETAIL

GENERAL NOTES

Box Culvert End Sections will be cast in place and using "Concrete Box Culvert" pay item.

Typical box section dimensions and materials shall be according to the requirements of 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.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor. See roadway plans for embankment slope (V:H).

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications.

All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

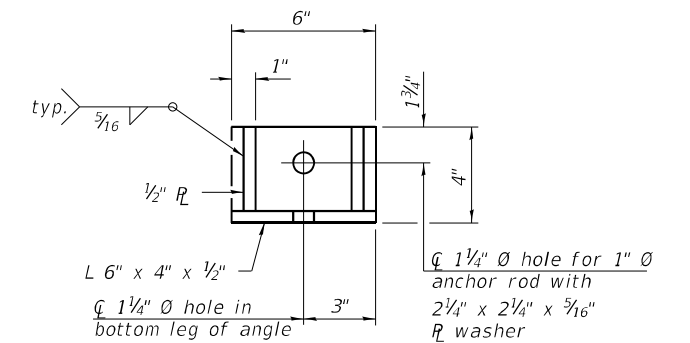
The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd.

The 3" nominal space between adjacent end sections shall be filled with Class SI concrete in accordance with Article 540.06 of the Standard Specifications. Cost included with Concrete Box Culverts used for Box Culvert End Sections.

Details for triple cell box culvert shown. Details for other multi-cell box culverts similar.



Ø 1 1/4" Ø hole for 1" Ø anchor rod with 2 1/4" x 2 1/4" x 5/16" R washer

MODEL: 0228300_0228300.dwg
FILE NAME: PLOT00029 - DDT104005801-002 (ENG) - PTB 1954-016 Phase II Ver. Van Engineering\W0 01 - IL83-IL38500 Drawings\01 CADD Drawings\0228300-0228300.dwg

Bowman CONSULTING
311 S. Wacker Drive, Suite 1950
Chicago, Illinois 60606
312-474-0360
www.bowmanconsulting.com

USER NAME = atlemann	DESIGNED - KJH	REVISED -
DRAWN - AHT	REVISED -	
PLOT SCALE = 2:0.0000 "/ in.	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT ASSEMBLY SHEET
CULVERT - STRUCTURE NO. 022-8300

SCALE: SHEET CUL-06 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 61
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

CUL-06

Note:
 The design fill height for this structure is 5 feet.
 The precast concrete box culvert sections shall conform to the standard designs of ASTM C 1577.
 The box culvert end section shall be built in the field and a precast option is not allowed except the cutoff wall may be precast. If the Contractor elects to use a precast cutoff wall, shop drawings and a proposed construction sequence shall be submitted to the Engineer for approval.

Areas of the precast box culvert in contact with cast-in-place concrete shall be sandblasted, cleaned, and wetted prior to placing concrete in the field according to Article 503.09(b).

The ends of the precast box sections adjacent to the end section shall be formed without male and female shapes.

The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

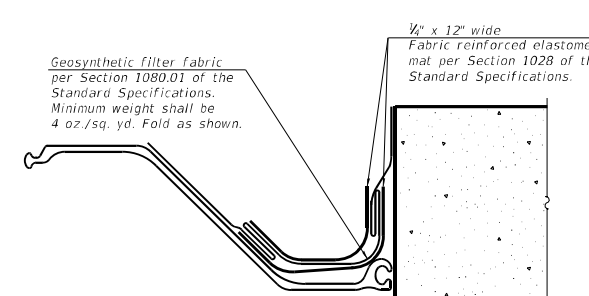
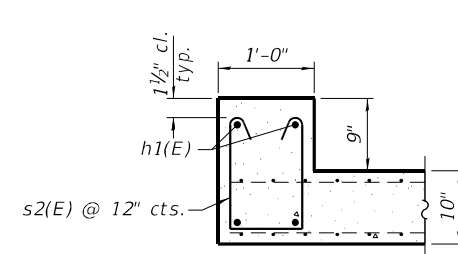
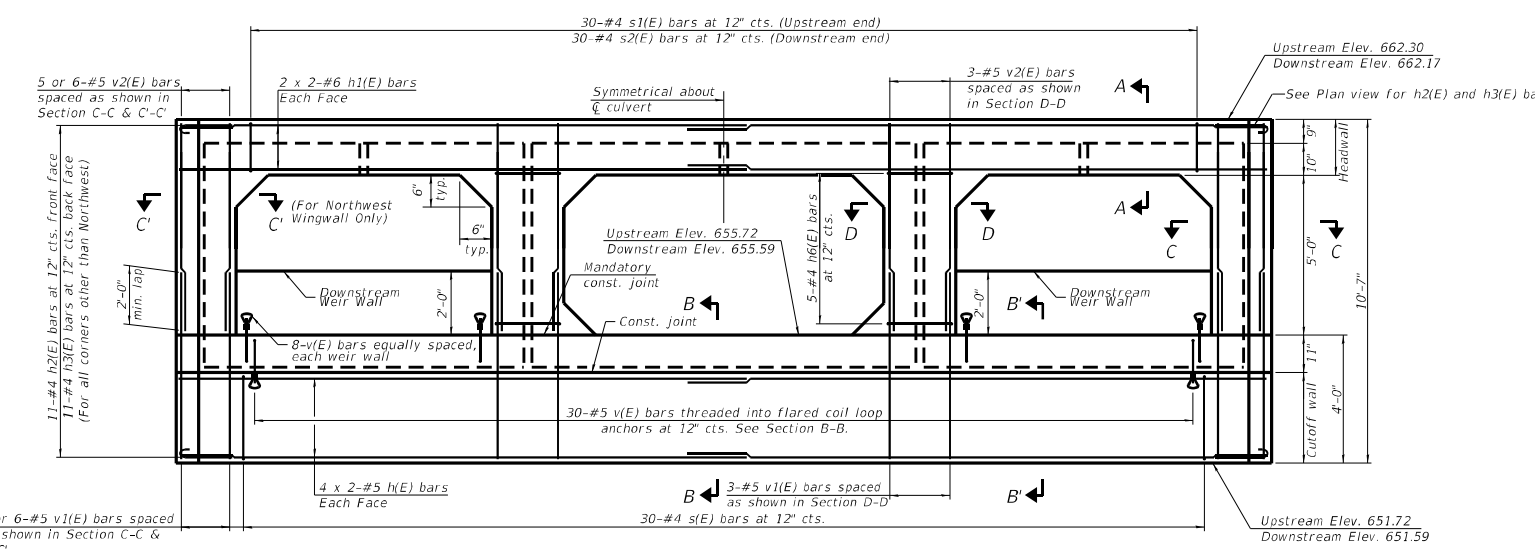
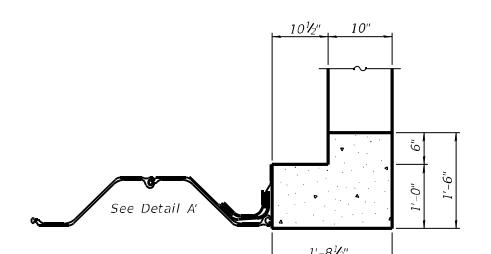
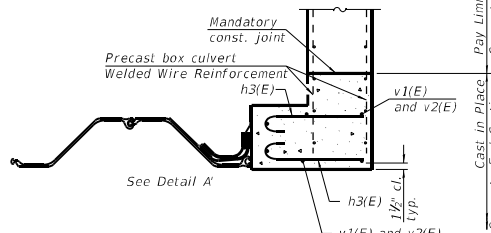
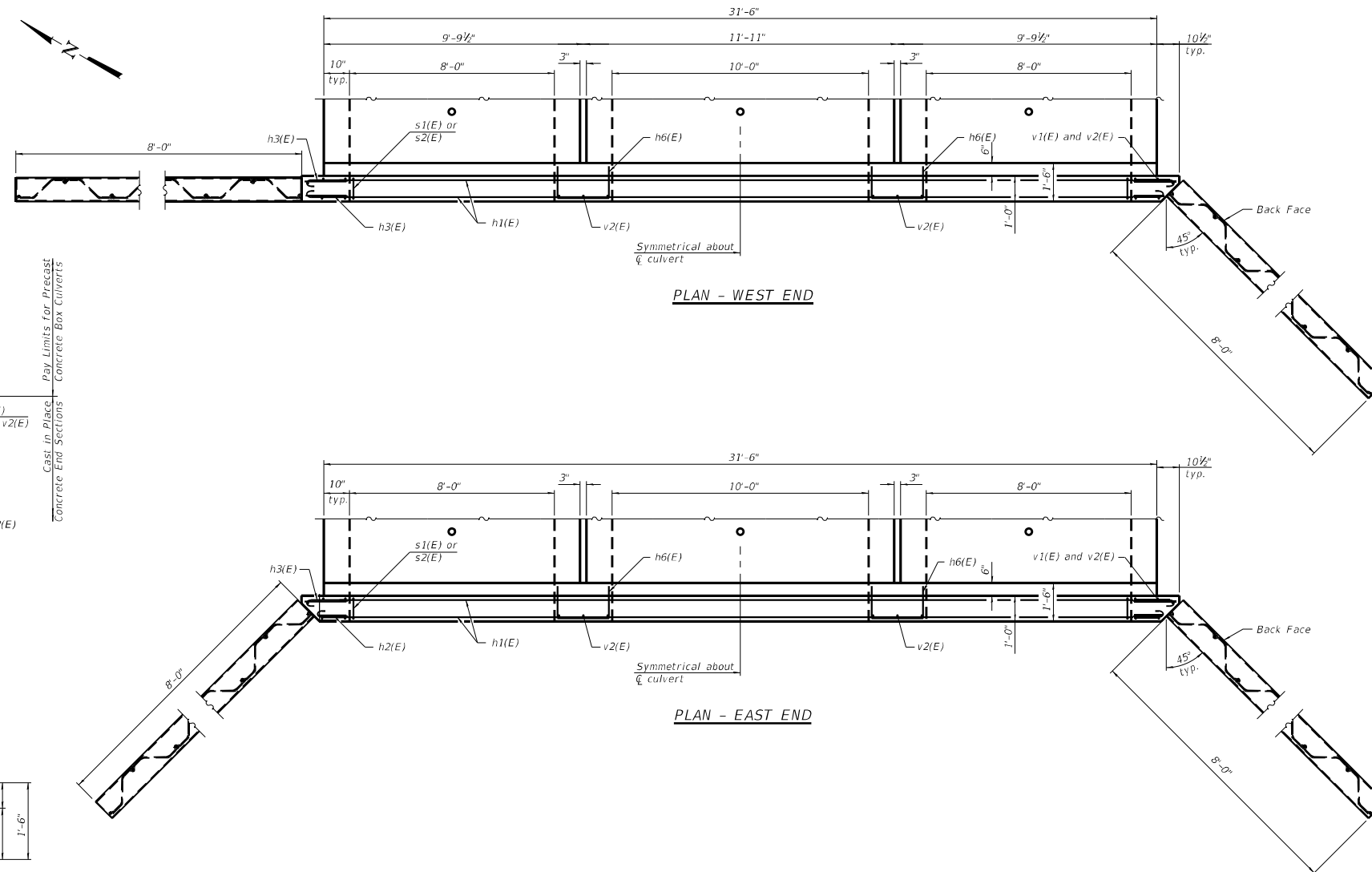
Tilt h2 and h3 bars as required to maintain clearance. Extend precast concrete box culvert reinforcement into end section. Bend as necessary to provide 1 1/2" clear cover.

See sheets CUL-3 & 4 of 10 for culvert construction sequence.

See sheets CUL-7 & 8 of 10 for Section A-A, B-B, C-C, C'-C', D-D, and E-E.

See sheet CUL-5 of 10 for additional wing wall details.

Bars indicated thus 4 x 2-#5 etc. indicates 4 lines of bars with 2 lengths per line.



MODEL: 022830-02-01-002 (ENG) - PTB 195-016 Phase II Ver. Van Engineering/WO 01 - IL83-IL38500 Drawings/501 CADD Drawings/022830-02-01-002.dgn
 FILE NAME: P:\022830-02-01-002 (ENG) - PTB 195-016 Phase II Ver. Van Engineering/WO 01 - IL83-IL38500 Drawings/501 CADD Drawings/022830-02-01-002.dgn
 MODEL: 022830-02-01-002 (ENG) - PTB 195-016 Phase II Ver. Van Engineering/WO 01 - IL83-IL38500 Drawings/501 CADD Drawings/022830-02-01-002.dgn
 FILE NAME: P:\022830-02-01-002 (ENG) - PTB 195-016 Phase II Ver. Van Engineering/WO 01 - IL83-IL38500 Drawings/501 CADD Drawings/022830-02-01-002.dgn



USER NAME = atlemann	DESIGNED - KJH	REVISED -
PLOT SCALE = 3:0,0000 1" / in.	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

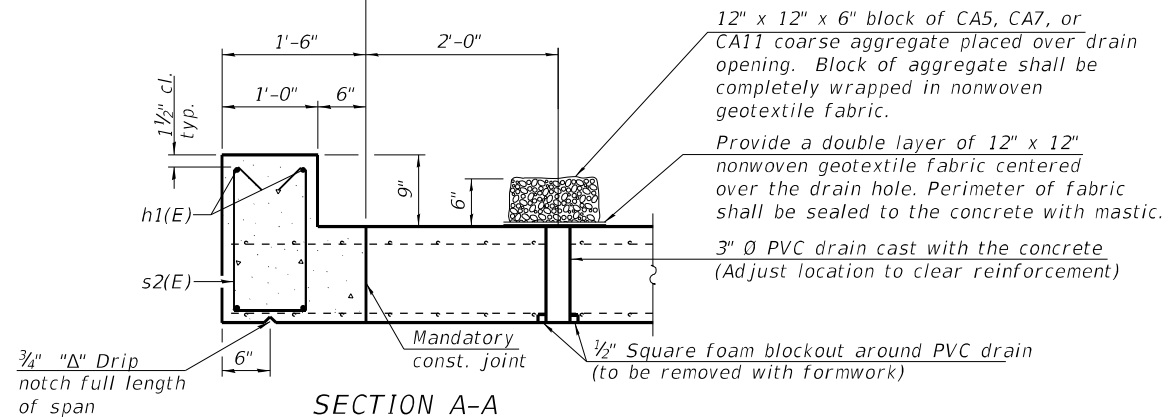
END SECTIONS
 CULVERT - STRUCTURE NO. 022-8300

SCALE: SHEET CUL-07 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 62
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

CUL-07

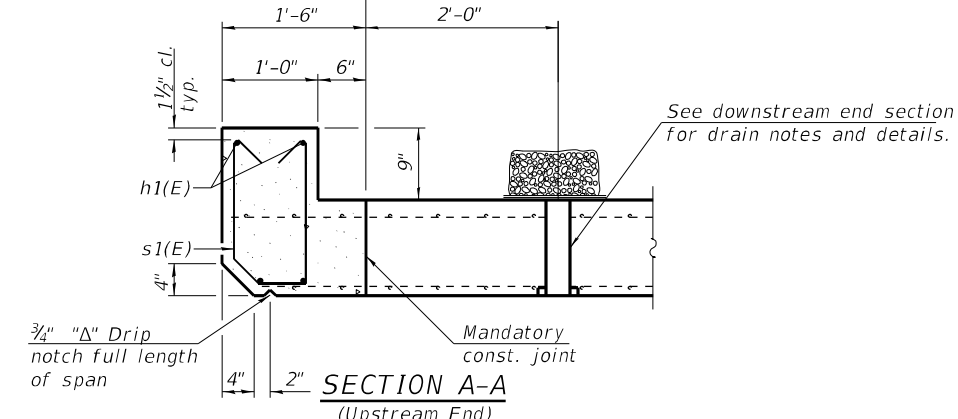
Cast in Place Concrete End Sections Pay Limits for Precast Concrete Box Culverts



SECTION A-A
(Downstream End)

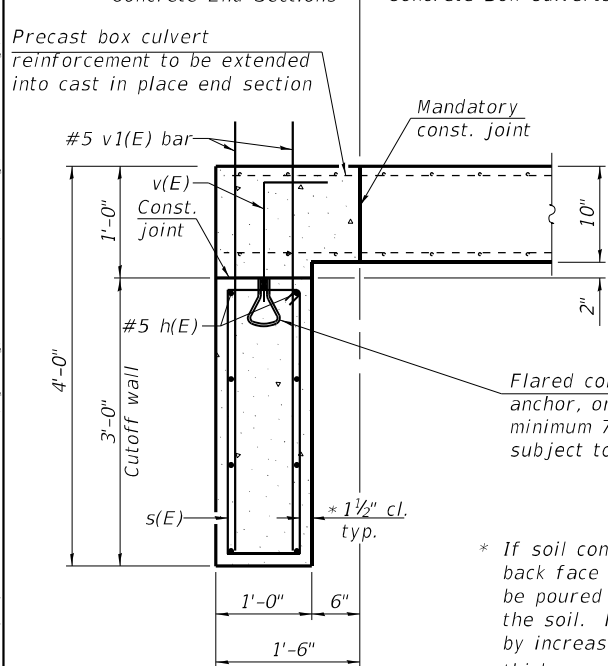
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

Cast in Place Concrete End Sections Pay Limits for Precast Concrete Box Culverts



SECTION A-A
(Upstream End)

Cast in Place Concrete End Sections Pay Limits for Precast Concrete Box Culverts

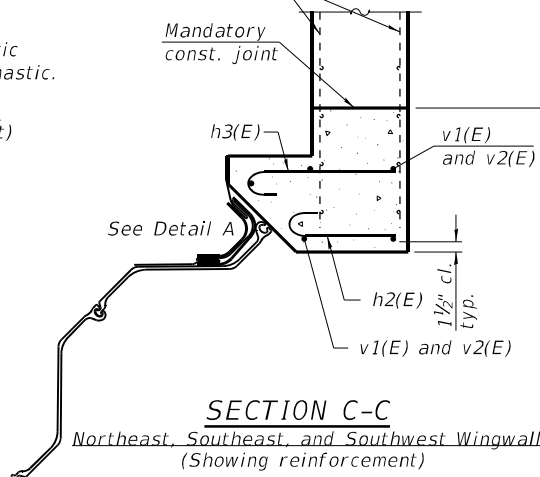


SECTION B-B
(Cutoff Wall)

* If soil conditions permit, the back face of cutoff wall may be poured directly against the soil. Provide 3" cover by increasing cutoff wall thickness to 1'-1 1/2".

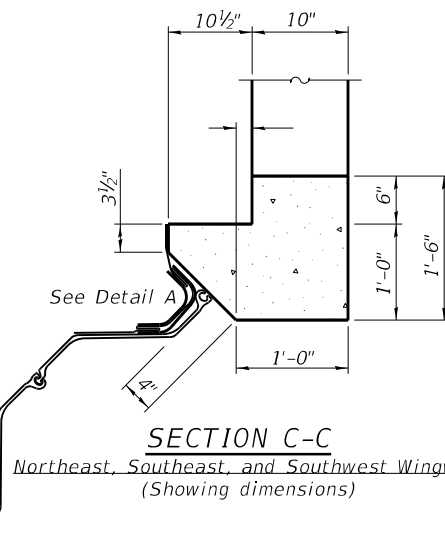
See downstream end section for drain notes and details.

Precast box culvert reinforcement to be extended into cast in place concrete end section



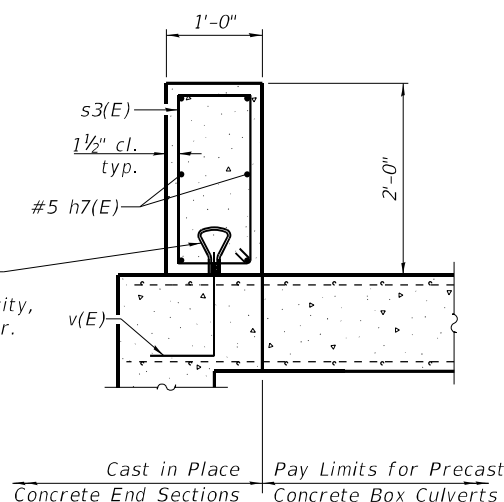
SECTION C-C

Northeast, Southeast, and Southwest Wingwalls (Showing reinforcement)



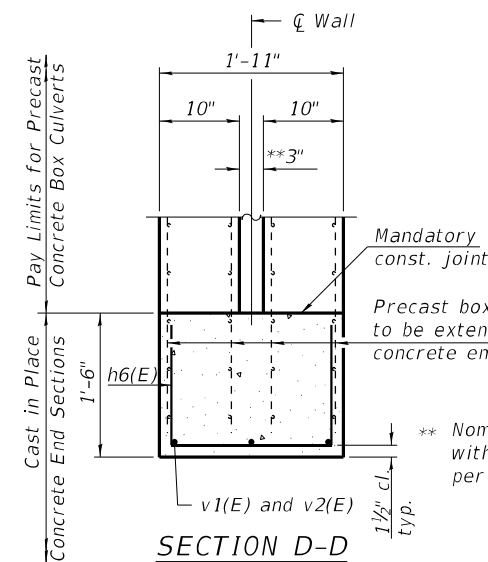
SECTION C-C

Northeast, Southeast, and Southwest Wingwalls (Showing dimensions)



SECTION B'-B'

(Weir Wall For Both 8'x5' Cells)



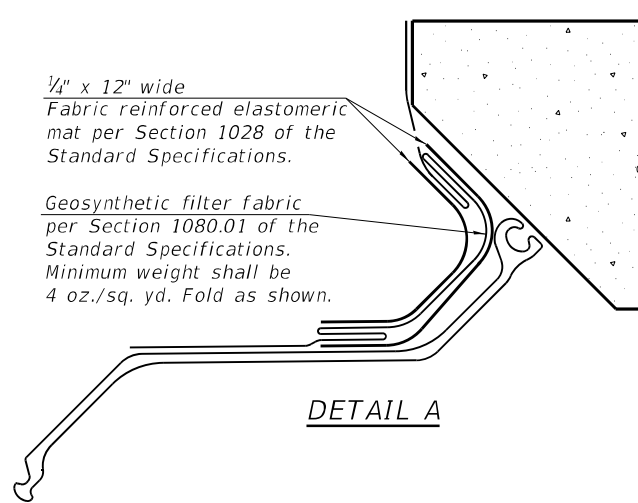
SECTION D-D

(For multiple cells only)

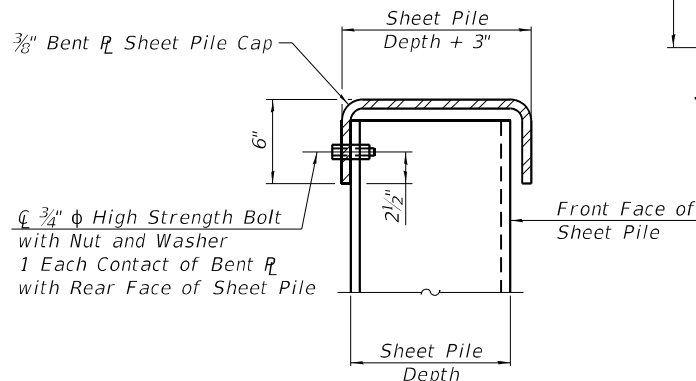
** Nominal space filled with Class SI Concrete per Article 540.06

1/4" x 12" wide Fabric reinforced elastomeric mat per Section 1028 of the Standard Specifications.

Geosynthetic filter fabric per Section 1080.01 of the Standard Specifications. Minimum weight shall be 4 oz./sq. yd. Fold as shown.



DETAIL A



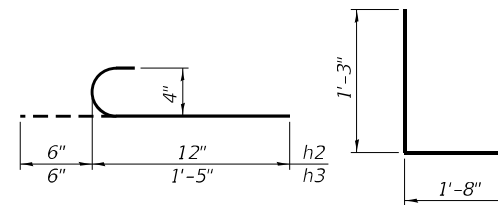
SECTION E-E

END SECTIONS
BILL OF MATERIAL

(For information only)

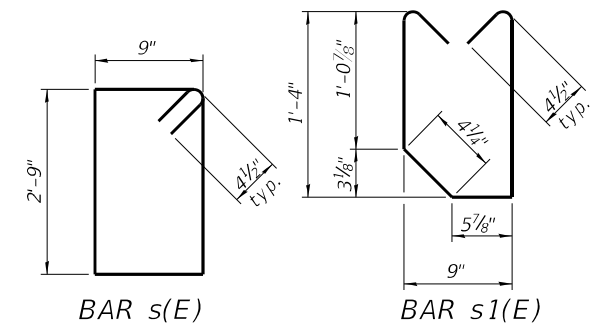
Bar	No.	Size	Length	Shape
h(E)	32	#5	16'-10"	
h1(E)	16	#6	17'-2"	
h2(E)	33	#4	1'-6"	
h3(E)	55	#4	1'-9"	
h6(E)	20	#4	5'-2"	
h7(E)	12	#5	7'-8"	
s(E)	60	#4	7'-9"	
s1(E)	30	#4	4'-0"	
s2(E)	30	#4	4'-2"	
s3(E)	16	#4	5'-5"	
v(E)	76	#5	1'-7"	
v1(E)	33	#5	5'-10"	
v2(E)	33	#5	6'-5"	
Concrete Box Culverts	Cu. Yd.		31.9	
Reinforcement Bars	Pound		2,320	
Permanent Sheet Piling	Sq. Ft.		736	

Reinforcement bars designated (E) shall be epoxy coated



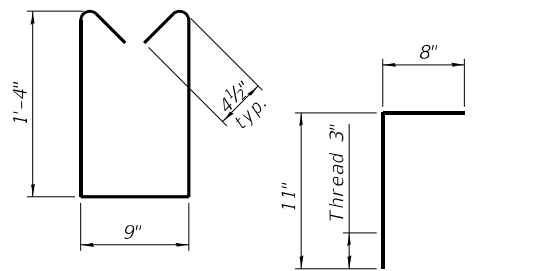
BARS h2(E) and h3(E)

BAR h6(E)
(For multiple cells only)



BAR s(E)

BAR s1(E)



BAR s2(E)

BAR v(E)

MODEL: 0228300_04M69_005
 FILE NAME: P:\0228300_04M69_005 - D01\04005801-002 (ENG) - PTB 195-016 Phase II Ver. Vpr\Engineering\WO 01 - IL83-IL38\500 Drawings\0228300_04M69_005.dwg
 CADD: Drawn: 02/28/2021 10:52:45 AM



USER NAME = atlemann
 DESIGNED - KJH
 DRAWN - AHT
 CHECKED - AJN
 DATE - 3/11/2021

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

END SECTION DETAILS
 CULVERT - STRUCTURE NO. 022-8300

SCALE: SHEET CUL-08 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	63
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

CUL-08



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 1 of 1

Date 8/18/29

ROUTE FAP 344/Illinois 83 DESCRIPTION Culvert Boring LOGGED BY Eric D. Slusser

SECTION 2020-000-BR LOCATION Outside shoulder of NB IL 83

COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPT	BLO	UCS	MOS	Surface Water Elev.	DEPT	BLO	UCS	MOS
SN 022-8300	H	S	Qu	T	ft	H	S	Qu	T
Station	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
ASPHALT									
Brown SAND FILL (Sub-base), medium to fine, Moist	665.17								
Hard, Brown, Black and Gray CLAY LOAM FILL, trace little medium to fine gravel, Moist	665.90	7		13.3					
Medium Dense to Loose, Black Sand FILL or SAND AND CLAY FILL, trace gravel, cobbles and boulders	663.00	7	7.8	D					
		3							
		8		10.2					
		-5	9		641.00	-26	3		
		9							
		7		2.9					
		2							
	658.00								
Very Dense, Gray COBBLES, Boulders and SAND, sand medium to fine, Saturated at 9.5 feet		27							
		50		11.7					
		-10	50						
	655.50								
Hard, Yellowish Brown and Gray CLAY LOAM, trace to little medium to fine gravel, Moist		5							
		5		14.1					
		4	4.5	P					
	653.00				633.00				
Medium Dense to Loose, Light Gray SAND, COBBLES AND BOULDERS, sand course to fine, Saturated		12							
		7		8.9					
		-15	8		631.00	-35	8	2.9	B
Black CLAY clay at tip MC=50.9%		4							
		3		11.7					
		3							
		3							
		5		14.2					
		-20	10						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 1 of 1

Date 8/17/20

ROUTE FAP 344/Illinois 83 DESCRIPTION Culvert Boring LOGGED BY Eric D. Slusser

SECTION 2020-000-BR LOCATION Inside shoulder of NB IL 83

COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPT	BLO	UCS	MOS	Surface Water Elev.	DEPT	BLO	UCS	MOS
SN 022-8300	H	S	Qu	T	ft	H	S	Qu	T
Station	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
ASPHALT									
CONCRETE	665.83								
Medium Dense ROCK AGGREGATE (sub-base)	665.00	6		14.6					
Hard, Black and Olive Green CLAY LOAM FILL, trace to little medium to fine gravel, Moist	664.60	4							
		6							
Loose to Very Dense, White CRUSHED ROCK AGGREGATE FILL, trace sand, Moist	663.00								
		19							
		15		5.8					
		-5	13						
		2							
		1		3.1					
		2							
	658.00								
Very Dense to Loose, Gray COBBLES, BOULDERS and SAND, sand medium to fine, Saturated at 8.5 feet		8							
		36		7.5					
		-10	50						
		12							
		6		12.6					
		5							
	653.70				653.50				
Hard, Yellowish Brown and Gray CLAY, Moist				20.4					
Dense to Loose, Brown SAND, COBBLES and BOULDERS, sand medium to fine, Saturated									
		17							
		-15	17						
		15		7.1					
		7							
		9		16.4					
		3							
		26							
		21		12.6					
		-20	14						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

MODEL: 022020-000-002 (ENG) - PTB 195-016 Phase II Vpr Vpr Engineering, WO 1 - IL 83-IL 83-500 Drawing 501_CADD Drawings 022020-000-002.dwg



USER NAME = kjejtmanek	DESIGNED - KJH	REVISED -
PLOT SCALE = 2:0,000 ft/in / in	DRAWN - AHT	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AJN	REVISED -
	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING 1
CULVERT - STRUCTURE NO. 022-8300

SCALE: SHEET CUL-09 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	64
CONTRACT NO. 62M69			CUL-09	
ILLINOIS		FED. AID PROJECT		

Bench Mark: Southeast corner of the roof at "Marchese and Son, Inc." located at intersection of Central Avenue and Monaco Drive, Elev. 811.68

Existing Structure: None

Proposed Structure: The proposed retaining wall is a driven soldier pile wall with a cast-in-place concrete facing. A pipe handrail will be mounted to the top of the wall.

Traffic Control: Standard TC-17 - Traffic Control Details for Freeway Shoulder Closures and Partial Ramp Closures

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

P.I. Sta. 32+80.00 Elev. 665.09	+1.65%	P.I. Sta. 34+64.30 Elev. 668.14	+0.93%	P.I. Sta. 36+63.00 Elev. 669.98
------------------------------------	--------	------------------------------------	--------	------------------------------------

PROFILE GRADE

(Along IL 38 Ramp WB to IL 83 NB)

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)
 fy = 50,000 psi (M270 Grade 50)
 fb = 1,600 psi (Untreated Timber Lagging)

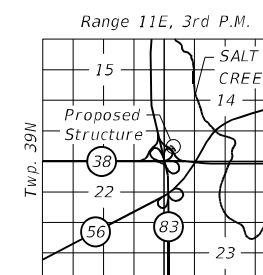
CURVE DATA

(IL 38 Ramp WB to IL 83 NB)

EX CURVE C-2	EX CURVE C-3
P.I. Sta. = 34+41.95	P.I. Sta. = 36+46.96
Δ = 49° 48' 13" (LT)	Δ = 05° 11' 04" (RT)
D = 20° 04' 47"	D = 02° 54' 00"
R = 285.34'	R = 1,975.65'
T = 132.46'	T = 89.45'
E = 29.25'	E = 2.02'
P.C. Sta. = 33+09.49	P.C. Sta. = 35+57.52
P.T. Sta. = 35+57.52	P.T. Sta. = 37+36.29

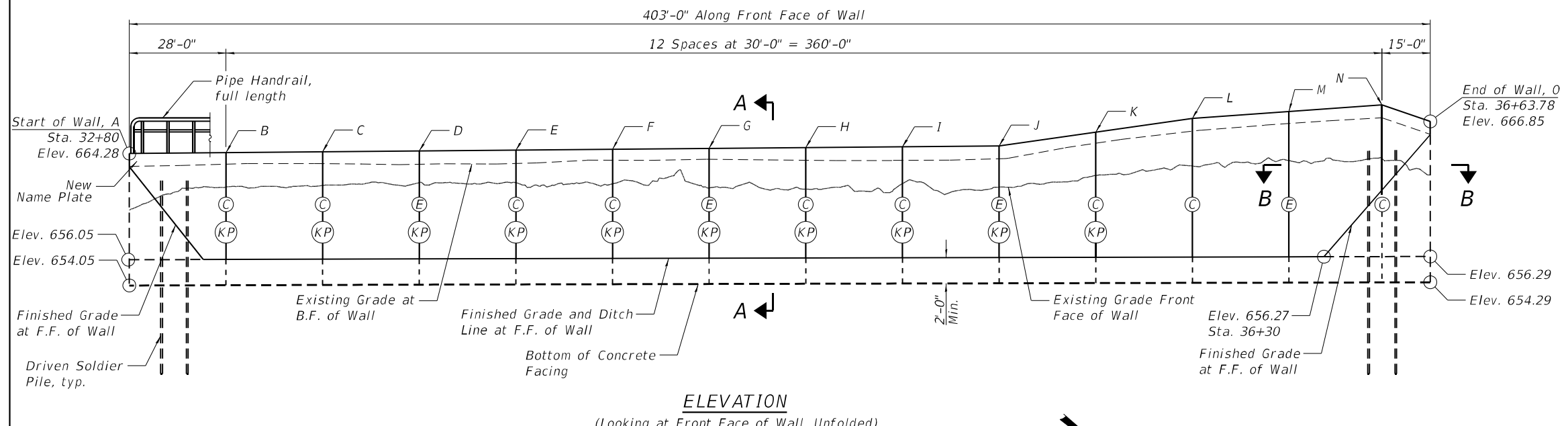
LEGEND

- Soil Boring
- Prop. Guardrail
- Exist. Gas Line
- Exist. Aerial Line
- Construction Joint
- Expansion Joint
- Kink Point
- Exist. Lumineer

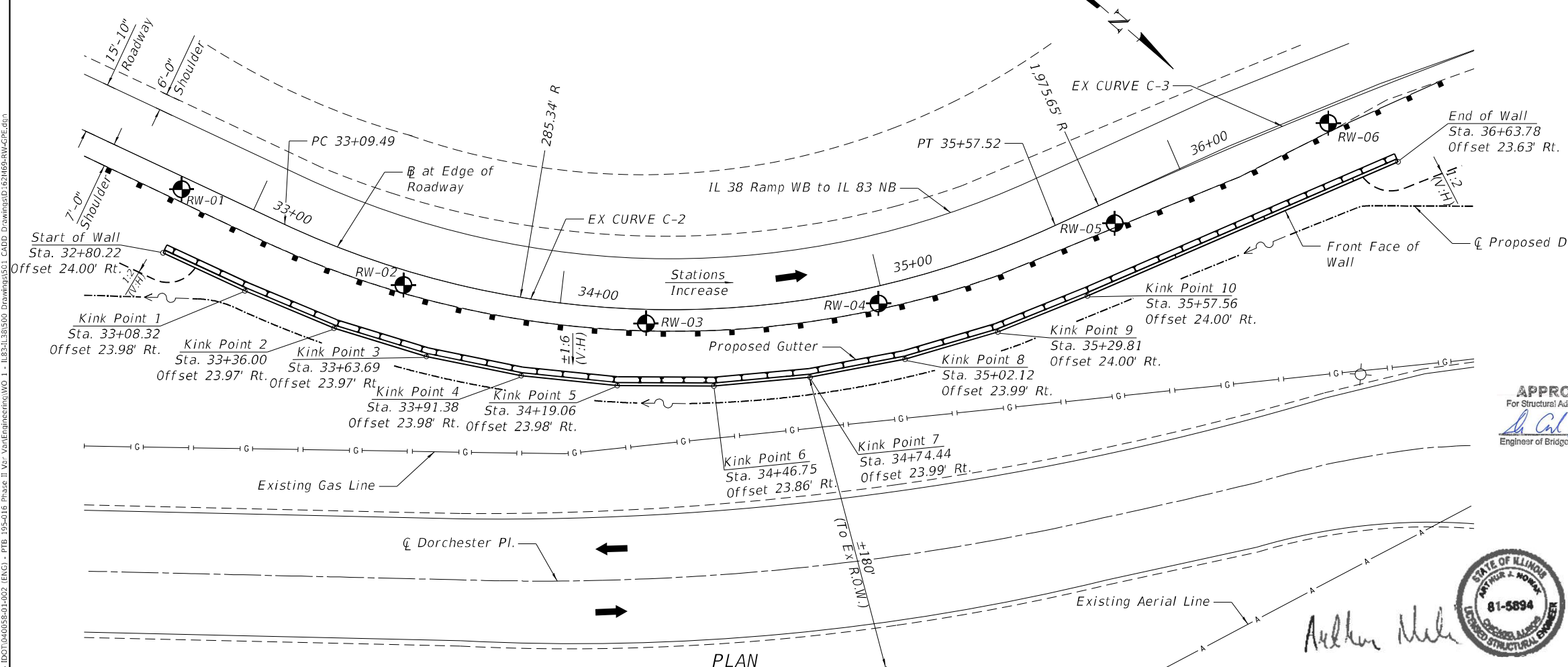


LOCATION SKETCH

GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 83 OVER
DITCH AT ILLINOIS ROUTE 38 (WB) RAMP
F.A.P. RTE. 344 - SECTION 2020-196-T
DUPAGE COUNTY
STATION 32+80 TO 36+64
STRUCTURE NO. 022-W001



ELEVATION
(Looking at Front Face of Wall, Unfolded)



PLAN

APPROVED
 For Structural Adequacy Only
Sh. Carl Pappas
 Engineer of Bridges & Structures



SIGNED: 03/12/2021 EXPIRES: 11/30/2022

MODEL: 03/20/21 - 022-W001.dwg
 FILE NAME: P:\03022 - D01\04008501-002 (ENG) - PTB_195-016 Phase II Vcr_Ven\Engineering\W01 - IL83-IL38\500 Drawings\01 CAD\Drawings\01 022-W001.dwg
 PLOT DATE = 3/10/2021

Bowman CONSULTING
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-414-0500
 www.bowmanconsulting.com

USER NAME = atlemann	DESIGNED - AS	REVISED -
DRAWN - AHT	REVISIONS -	
CHECKED - AJN	REVISIONS -	
DATE - 3/11/2021	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
RETAINING WALL - STRUCTURE NO.022-W001
 SCALE: SHEET RET-1 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 66
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	

RET-01

GENERAL NOTES

CAST-IN-PLACE CONCRETE

- All Exposed Concrete Edges shall have a 3/4" x 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

REINFORCEMENT BARS

- Reinforcement bars designated "(E)" shall be epoxy coated.
- Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 315.
- Reinforcement bar bending dimensions are out to out.
- Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.

CONSTRUCTION

- The Contractor is responsible for the design and performance of the lagging using no less than a 3 inch nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
- Contractor shall not scale dimensions from the contract plans for construction purposes. Scales shown are for information only.
- No construction joints except those shown on the plans shall be allowed unless approved by the engineer.
- It shall be the contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123, location of the boring.
- Protective Coat shall be applied to the driven soldier pile wall facing.

GENERAL SEQUENCE OF CONSTRUCTION

- Install driven soldier piles.
- Excavate in front of wall and install timber lagging as the excavation moves downwards.
- Install the geocomposite wall drain and shear stud connectors.
- Place reinforcement and form concrete wall facing.
- Pour and cure concrete facing.
- Strip forms and apply the Protective Coat to exposed concrete surfaces.
- Install pedestrian railing.

TOTAL BILL OF MATERIAL

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
50200100	Structure Excavation	CU. YD.	344
50300285	Form Liner Textured Surface	SQ. FT.	4,232
50300300	Protective Coat	SQ. YD.	515
50500505	Stud Shear Connectors	EACH	1,234
50800205	Reinforcement Bars, Epoxy Coated	POUND	32,350
50901760	Pipe Handrail	FOOT	403.0
51204650	Pile Shoes	EACH	56
51500100	Name Plates	EACH	1
52200105	Furnishing Soldier Piles (W Section)	FOOT	1,710
52200150	Driving Soldier Piles	FOOT	1,710
52200250	Untreated Timber Lagging	SQ. FT.	4,498
52200900	Concrete Structures (Retaining Wall)	CU. YD.	174.1
59100100	Geocomposite Wall Drain	SQ. YD.	500
60602800	Concrete Gutter, Type B	FOOT	403.0

Note:
Structural Excavation quantity reported in the above Bill of Materials is associated with the construction of the Driven Soldier Pile Wall. The Structural Excavation quantity for the ditch in front of the wall is not accounted for in this quantity

LIST OF ABBREVIATIONS

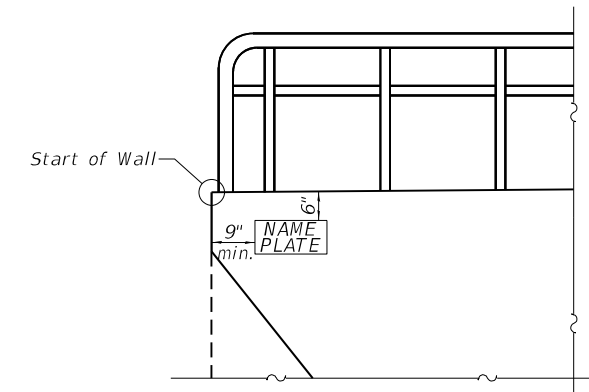
⊕	Baseline	B.F.	Back Face
⊕	Centerline	cl.	Clearance
const.	Constant	∅	Diameter
conc.	Concrete	elev.	Elevation
cts.	Centers	ℓ	Flow Line
E.F.	Each Face	I.F.	Inside Face
exist.	Existing	long.	longitudinal
F.F.	Front Face	min.	Minimum
jt.	Joint	O.F.	Outside Face
max.	Maximum	prop.	Proposed
no.	Number	rte.	Route
PG	Profile Grade	RET.	Retaining Wall
req'd.	Required	spa.	Spaces
sect.	Section	sta.	Station
spec.	Specification	struct.	Structure
std.	Standard	ℓ	Plate
typ.	Typical	o.c.	On Center
		U.N.	Unless Noted

SHEET LIST

- RET-1 General Plan and Elevation
- RET-2 General Notes and Bill of Material
- RET-3 Wall Layout 1
- RET-4 Wall Layout 2
- RET-5 Wall Layout 3
- RET-6 Wall Layout 4
- RET-7 Wall Cross Section and Details
- RET-8 Wall Railing and Details
- RET-9 Boring Logs 1
- RET-10 Boring Logs 2
- RET-11 Boring Logs 3

STATION 32+80.22
BUILT 202_ BY
STATE OF ILLINOIS
LOADING HL-93
STRUCTURE NO. 022-W001

NAME PLATE
See Std. 515001



NAME PLATE LOCATION

MODEL: 022W001-GENNOTES-GENERALNOTES
 FILE NAME: PLOT022S - DOT022S01-002 (ENG) - PTB 195-016 Phase II Ver. For Engineering/WO 1 - ILB3113B500 DrawingID:62M69-RW-GenNotes_BOM.dgn



USER NAME = atlemann	DESIGNED - AS	REVISED -
PLOT SCALE = 2:0 feet / in.	DRAWN - AHT	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AJN	REVISED -
	DATE - 3/11/2021	REVISED -

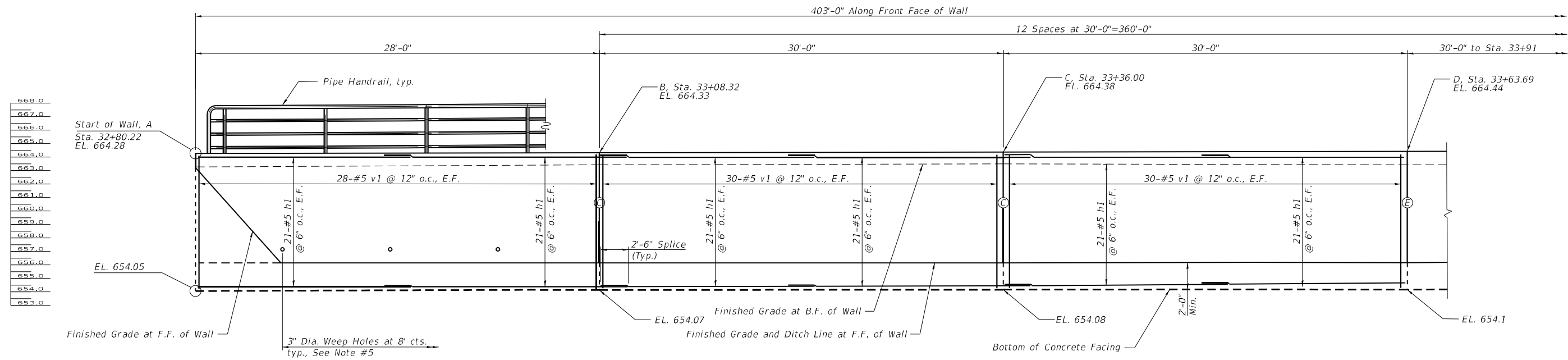
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND BILL OF MATERIAL
RETAINING WALL - STRUCTURE NO. 022-W001**

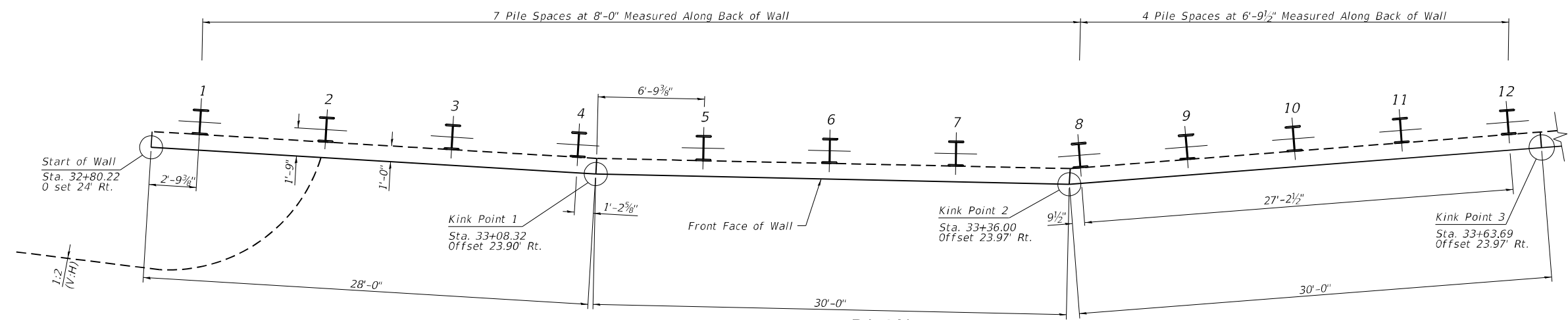
SCALE: SHEET RET-2 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	67
			CONTRACT NO. 62M69	
		ILLINOIS	FED. AID PROJECT	

RET-02



ELEVATION
(Looking at Front Face of Wall, Unfolded)



PLAN

LAP LENGTH
#5 Bar = 2'-6"

NOTES

1. All dimensions are along the back of wall.
2. For Bill of Material see Sheet Ret-2.
3. For Typical Sections see Sheet Ret-8.
4. Pipe handrail details and post spacing are included in Sheet Ret-8.
5. 3" Dia. weep holes shall be installed at 8' cts. and 2' above grade. Any weep hole that falls on the location of a construction or expansion joint shall be moved a minimum 1' away from the joint location.

TABLE 1: POINTS

POINTS	STATION	OFFSET
START OF THE WALL - @ FACE	32+80.22	24.00' RT.
KINK POINT 1	33+08.32	23.90' RT.
KINK POINT 2	33+36.00	23.97' RT.
KINK POINT 3	33+63.69	23.97' RT.

PILE SUMMARY

PILE NUMBER	STATION	OFFSET	PILE SIZE	TOP OF PILE ELEV.	BOT. OF PILE ELEV.	PILE LENGTH
1	32+83.00	22.20' RT.	W18x119	662.25	632.25	30'-0"
2	32+91.00	22.17' RT.	W18x119	662.25	632.25	30'-0"
3	32+99.00	22.14' RT.	W18x119	662.25	632.25	30'-0"
4	33+07.00	22.11' RT.	W18x119	662.25	632.25	30'-0"
5	33+14.53	21.88' RT.	W18x119	662.25	632.25	30'-0"
6	33+21.96	21.78' RT.	W18x119	662.25	632.25	30'-0"
7	33+29.40	21.90' RT.	W18x119	662.25	632.25	30'-0"
8	33+36.65	22.15' RT.	W18x119	662.25	632.25	30'-0"
9	33+42.97	21.91' RT.	W18x119	662.25	632.25	30'-0"
10	33+49.28	21.83' RT.	W18x119	662.25	632.25	30'-0"
11	33+55.60	21.89' RT.	W18x119	662.25	632.25	30'-0"
12	33+61.92	22.10' RT.	W18x119	662.25	632.25	30'-0"

MODEL: X:\2020\62M69\62M69-01.dwg
 FILE NAME: P:\02020\62M69-01.dwg
 USER: kjejtmanek
 DATE: 3/10/2021
 PLOT SCALE: 8:0 ft/in
 PLOT DATE: 3/10/2021



USER NAME = kjejtmanek	DESIGNED - AS	REVISED -
	DRAWN - AHT	REVISED -
	CHECKED - AJN	REVISED -
	DATE - 3/11/2021	REVISED -

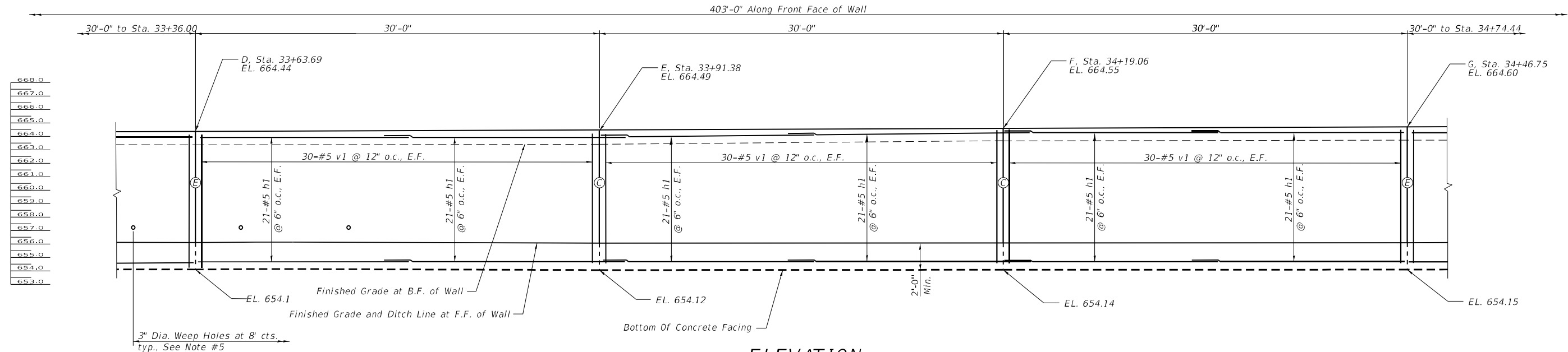
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WALL LAYOUT 1
RETAINING WALL - STRUCTURE NO.022-W001**

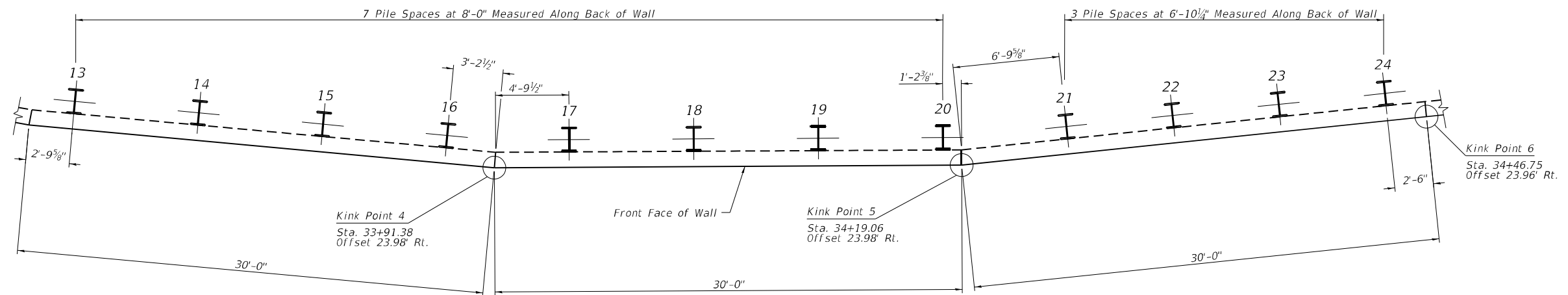
SCALE: SHEET RET-3 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 68
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

RET-03



ELEVATION
(Looking at Front Face of Wall, Unfolded)



PLAN

PILE SUMMARY

PILE NUMBER	STATION	OFFSET	PILE SIZE	TOP OF PILE ELEV.	BOT. OF PILE ELEV.	PILE LENGTH
13	33+66.20	22.07' RT.	W18x119	662.25	632.25	30'-0"
14	33+73.63	21.86' RT.	W18x119	662.25	632.25	30'-0"
15	33+81.06	21.85' RT.	W18x119	662.25	632.25	30'-0"
16	33+88.48	22.06' RT.	W18x119	662.25	632.25	30'-0"
17	33+95.76	22.01' RT.	W18x119	662.25	632.25	30'-0"
18	34+03.18	21.85' RT.	W18x119	662.25	632.25	30'-0"
19	34+10.61	21.90' RT.	W18x119	662.25	632.25	30'-0"
20	34+18.04	22.16' RT.	W18x119	662.25	632.25	30'-0"
21	34+25.43	21.96' RT.	W18x119	662.25	632.25	30'-0"
22	34+31.79	21.84' RT.	W18x119	662.25	632.25	30'-0"
23	34+38.15	21.90' RT.	W18x119	662.25	632.25	30'-0"
24	34+44.51	22.09' RT.	W18x119	662.25	632.25	30'-0"

TABLE 2: POINTS

POINTS	STATION	OFFSET
KINK POINT 4	33+91.38	23.98' RT.
KINK POINT 5	34+19.06	23.98' RT.
KINK POINT 6	34+46.75	23.96' RT.

MODEL: X:\2021\62M69\62M69_TSL.dwg
 FILE NAME: P:\02021\62M69\62M69.dwg
 USER: kjejtmanek
 DATE: 3/10/2021
 PLOT SCALE: 8:0 ft/in
 PLOT DATE: 3/10/2021



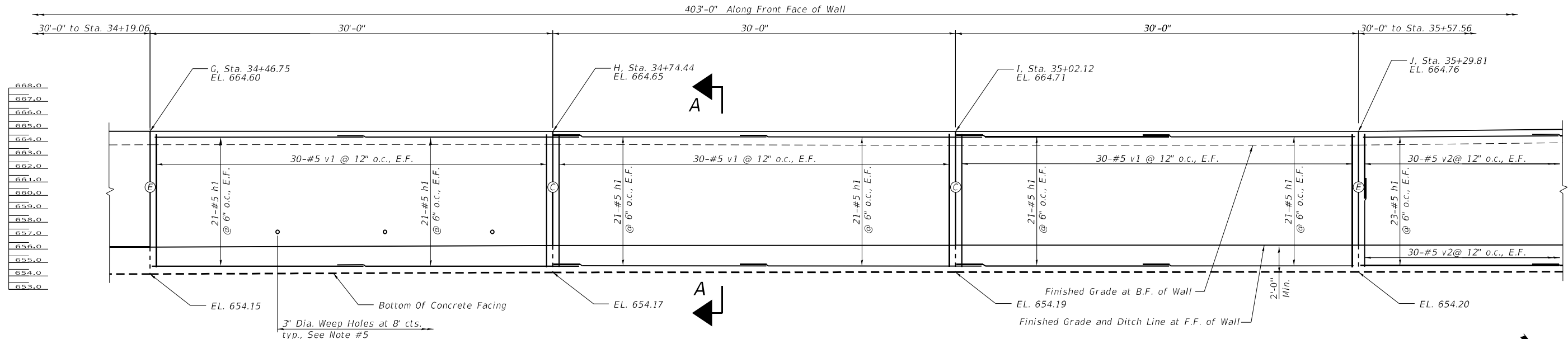
USER NAME = kjejtmanek	DESIGNED - AS	REVISED -
	DRAWN - AHT	REVISED -
	CHECKED - AJN	REVISED -
	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

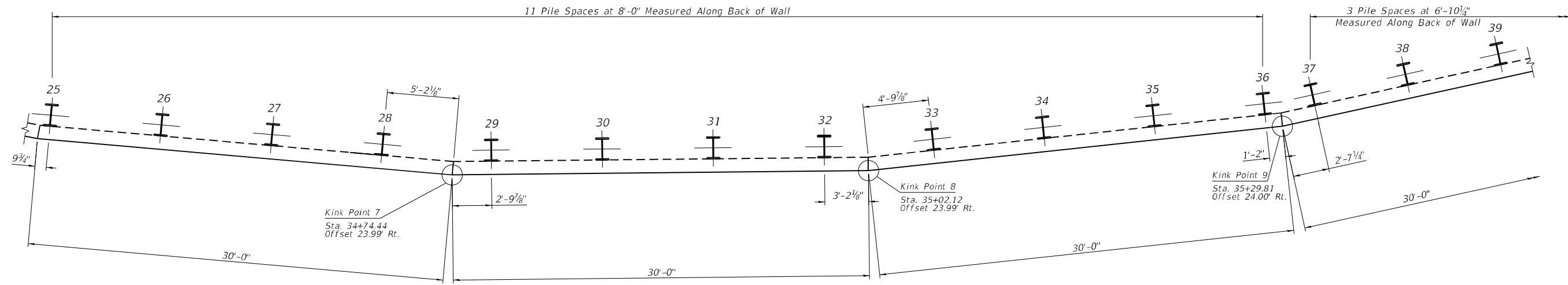
WALL LAYOUT 2 RETAINING WALL - STRUCTURE NO.022-W001	
SCALE:	SHEET RET-4 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 69
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

RET-04



ELEVATION
(Looking at Front Face of Wall, Unfolded)



PLAN

TABLE 3: POINTS

POINTS	STATION	OFFSET
KINK POINT 7	34+74.44	23.99' RT.
KINK POINT 8	35+02.12	23.99' RT.
KINK POINT 9	35+29.81	24.00' RT.

PILE SUMMARY

PILE NUMBER	STATION	OFFSET	PILE SIZE	TOP OF PILE ELEV.	BOT. OF PILE ELEV.	PILE LENGTH
25	34+47.43	22.17' RT.	W18x119	662.25	632.25	30'-0"
26	34+54.85	21.84' RT.	W18x119	662.25	632.25	30'-0"
27	34+62.28	21.86' RT.	W18x119	662.25	632.25	30'-0"
28	34+69.71	22.02' RT.	W18x119	662.25	632.25	30'-0"
29	34+76.98	22.11' RT.	W18x119	662.25	632.25	30'-0"
30	34+84.32	21.90' RT.	W18x119	662.25	632.25	30'-0"
31	34+91.83	21.88' RT.	W18x119	662.25	632.25	30'-0"
32	34+99.26	22.09' RT.	W18x119	662.25	632.25	30'-0"
33	35+06.53	22.04' RT.	W18x119	662.25	632.25	30'-0"
34	35+13.96	21.86' RT.	W18x119	662.25	632.25	30'-0"
35	35+21.39	21.94' RT.	W18x119	662.25	632.25	30'-0"
36	35+28.81	22.19' RT.	W18x119	662.25	632.25	30'-0"
37	35+32.13	22.14' RT.	W18x119	662.25	632.25	30'-0"
38	35+38.49	21.94' RT.	W18x119	662.50	632.50	30'-0"
39	35+44.86	21.89' RT.	W18x119	662.50	632.50	30'-0"

MODEL: X:\2022\62M69\62M69-TS1-01
 FILE NAME: P:\02225 - DD\02225\02225-002 (ENG) - PTB_195-016 Phase II Vpr Vpr\Engineering\WO 1 - IL02225\02225-002 Drawings\01 CAD\Drawings\01 Vpr Vpr\02225.dgn
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-474-0500
 www.bowmanconsulting.com



USER NAME = kjejtmanek	DESIGNED - AS	REVISED -
DRAWN - AHT	REVISOR -	
PLOT SCALE = 8:0 ft/in / in.	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

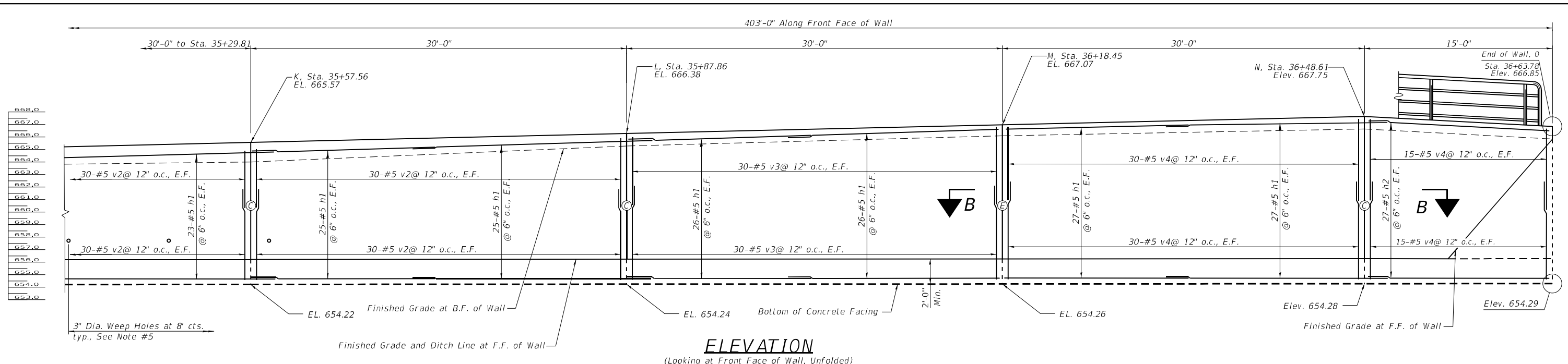
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WALL LAYOUT 3
RETAINING WALL - STRUCTURE NO.022-W001**

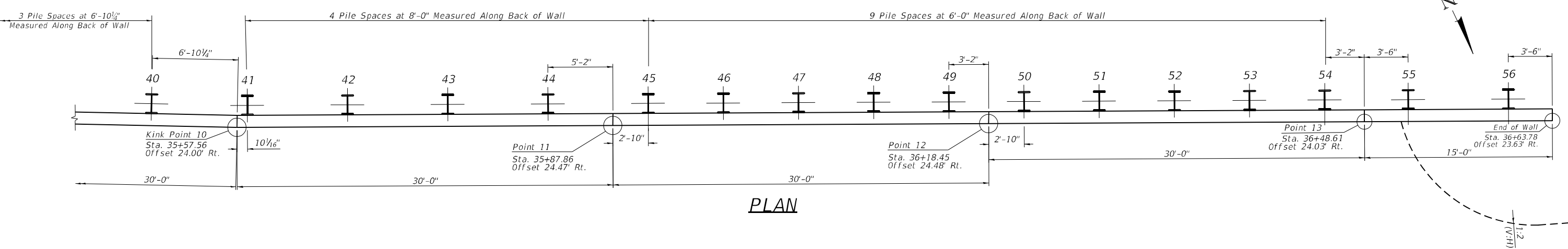
SCALE: SHEET RET-5 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 70
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	

RET-05



ELEVATION
(Looking at Front Face of Wall, Unfolded)



PLAN

REINFORCING BAR SCHEDULE

BAR	NO.	SIZE	LENGTH	SHAPE	
h1(E)	1160	#5	17'-6"	—	
h2(E)	54	#5	14'-8"	—	
v1(E)*	536	#5	10'-6"	—	
v2(E)	240	#5	7'-3"	—	
v3(E)	120	#5	7'-6"	—	
v4(E)	180	#5	7'-10"	—	
d(E)	178	#4	2'-1"	⊏	
Reinforcing Bars, Epoxy Coated				Pound	32,350

* Cut to fit

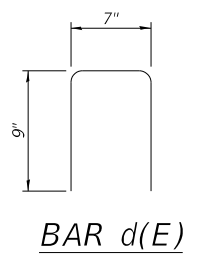


TABLE 4: POINTS

POINTS	STATION	OFFSET
KINK POINT 10	35+57.56	24.00' RT.
POINT 11	35+87.86	24.47' RT.
POINT 12	36+18.45	24.48' RT.
POINT 13	36+48.61	24.03' RT.
END OF THE WALL	36+63.78	23.63' RT.

PILE SUMMARY

PILE NUMBER	STATION	OFFSET	PILE SIZE	TOP OF PILE ELEV.	BOT. OF PILE ELEV.	PILE LENGTH
40	35+51.22	22.00' RT.	W18x119	662.75	632.75	30'-0"
41	35+58.38	22.27' RT.	W18x119	662.75	632.75	30'-0"
42	35+66.43	22.44' RT.	W18x119	663.00	631.00	32'-0"
43	35+74.57	22.57' RT.	W18x119	663.00	631.00	32'-0"
44	35+82.66	22.68' RT.	W18x119	663.25	631.25	32'-0"
45	35+90.75	22.75' RT.	W18x119	663.25	631.25	32'-0"
46	35+96.82	22.77' RT.	W18x119	664.50	632.50	32'-0"
47	36+02.89	22.79' RT.	W18x119	664.50	632.50	32'-0"
48	36+08.96	22.78' RT.	W18x119	664.75	632.75	32'-0"
49	36+15.03	22.76' RT.	W18x119	665.00	633.00	32'-0"
50	36+21.10	22.71' RT.	W18x119	665.00	633.00	32'-0"
51	36+27.17	22.65' RT.	W18x119	665.25	633.25	32'-0"
52	36+33.24	22.57' RT.	W18x119	665.25	633.25	32'-0"
53	36+39.31	22.47' RT.	W18x119	665.50	633.50	32'-0"
54	36+45.38	22.35' RT.	W18x119	665.50	633.50	32'-0"
55	36+52.15	22.99' RT.	W18x119	665.50	633.50	32'-0"
56	36+60.25	22.78' RT.	W18x119	665.50	633.50	32'-0"

MODEL: X:\2020\62M69\62M69-01.dwg
 FILE NAME: P:\022-002-002 (ENG) - PTB 195-016 Phase II Ver. V01\Engineering\022-002-002.dwg
 I:\9311\30\500 Drawings\022-002-002.dwg
 CADD Drawing ID: 62M69-RW Wall Layout 4.dwg



USER NAME = atlemann	DESIGNED - AS	REVISED -
PLOT SCALE = 8:0 ft/in.	DRAWN - AHT	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AJN	REVISED -
	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

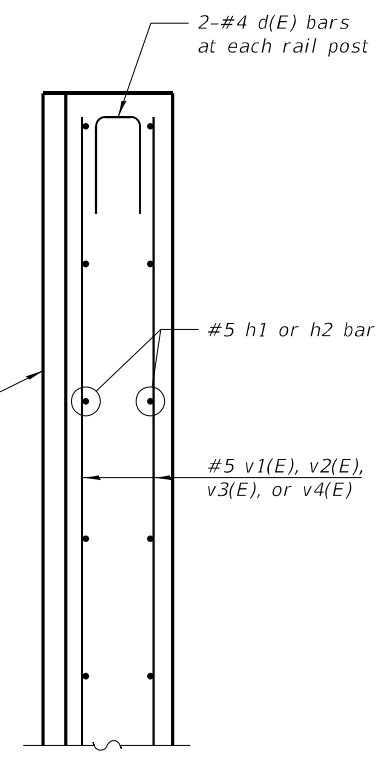
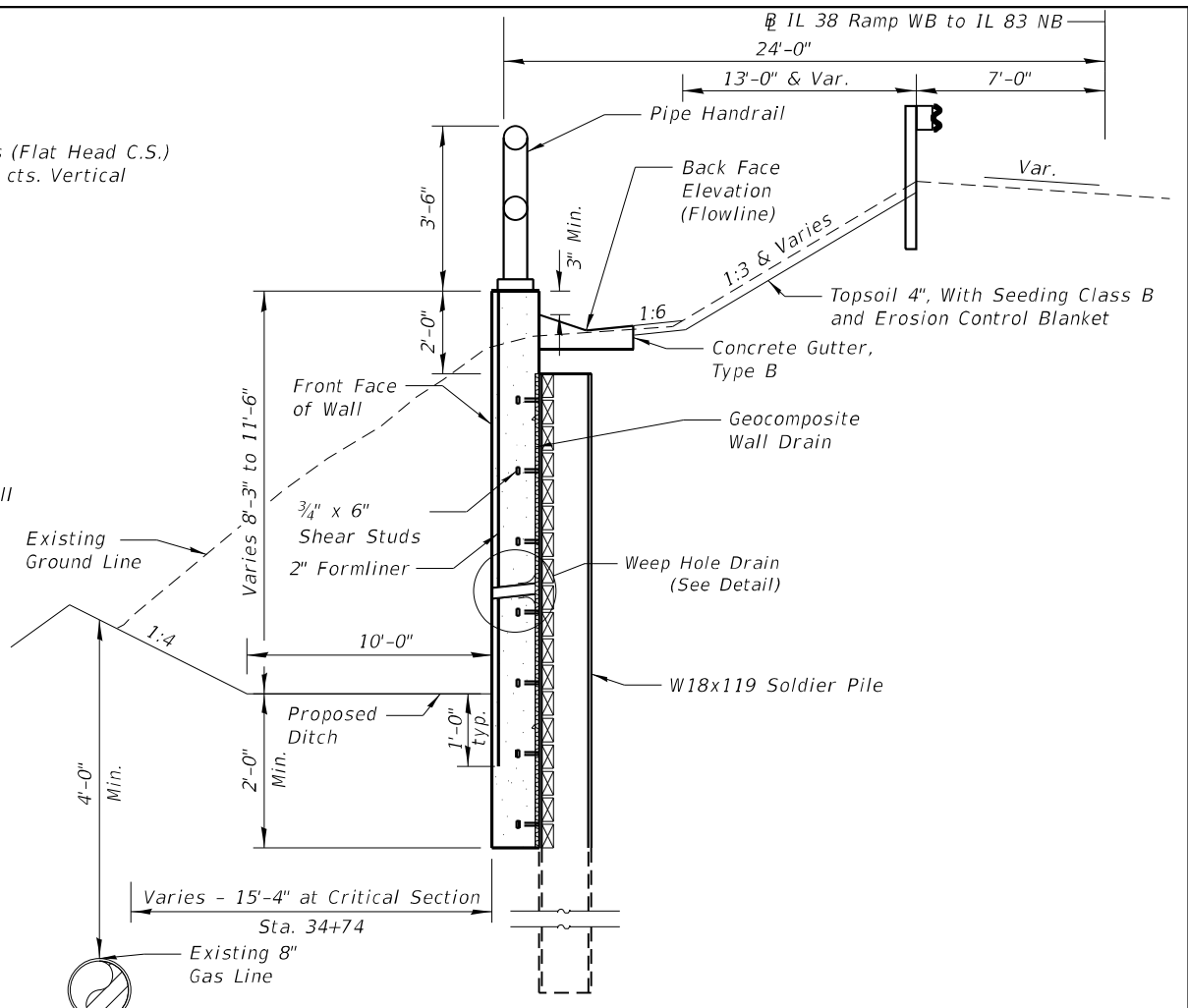
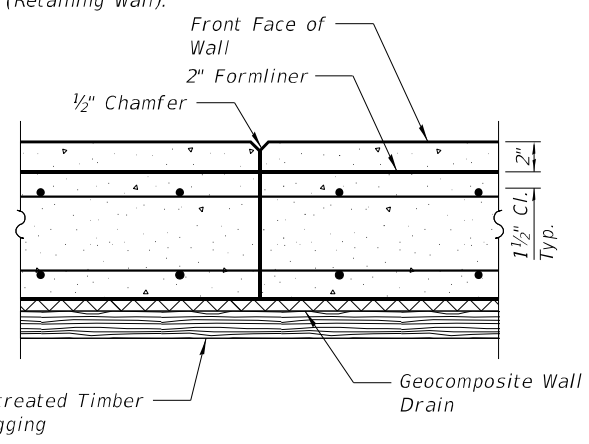
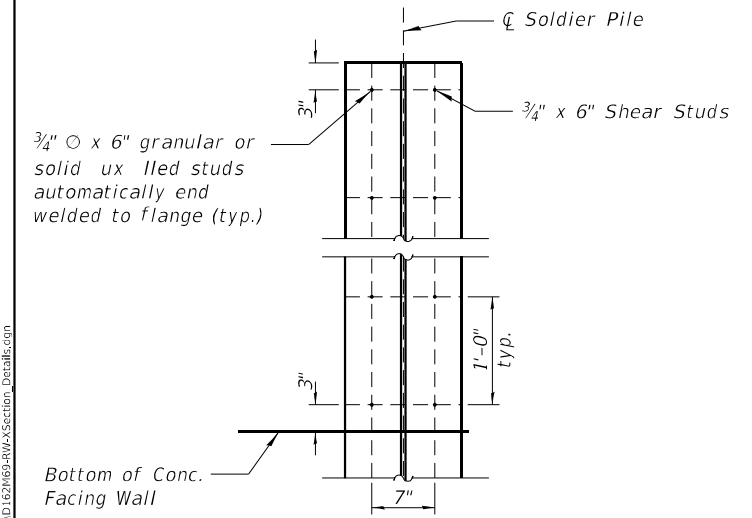
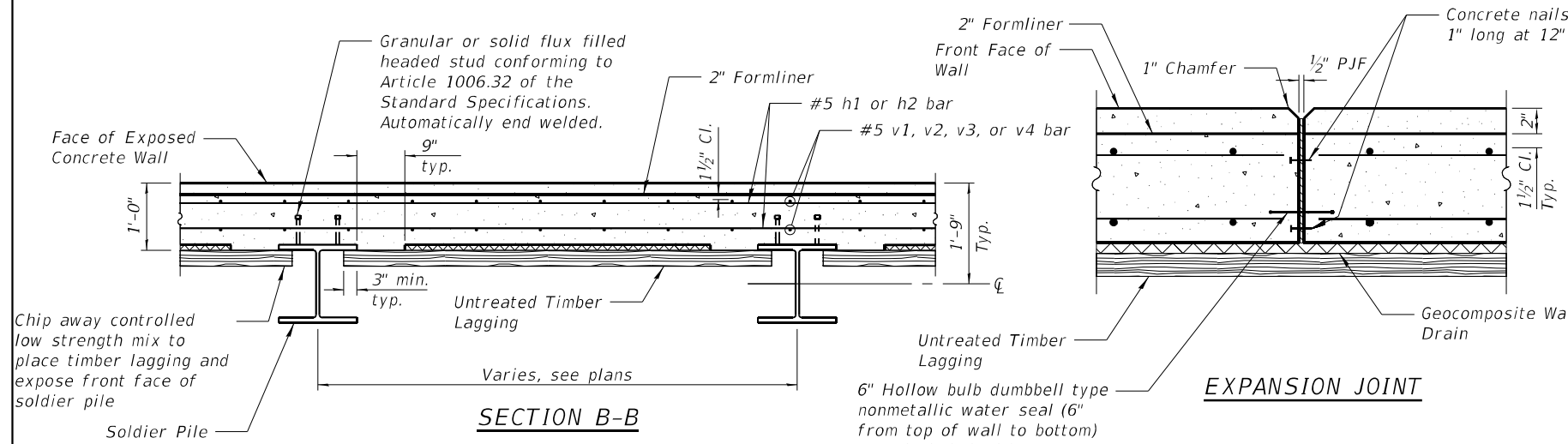
**WALL LAYOUT 4
RETAINING WALL - STRUCTURE NO.022-W001**

SCALE: SHEET RET-6 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 71
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M69	

RET-06

MODEL: 022-W001-62M69-4-07
 FILE NAME: P:\022-W001-62M69-4-07
 PROJECT: 022-W001-62M69-4-07
 DATE: 3/10/2021
 DRAWING: RET-7
 SHEET: 72
 CONTRACT: 62M69



STUD SHEAR CONNECTORS LAYOUT

CONSTRUCTION JOINT

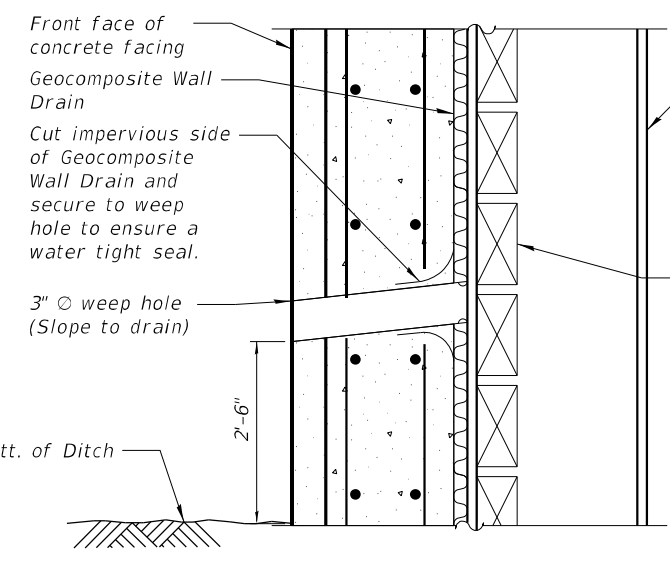
SECTION A-A

Location	Ramp WB		Top of Wall Elev.	Back Face Elev.	Front Face Grade Elev.	Bot. Facing Elev.	Top of Gas Line Elev.	Top of Gas Offset
	Station	Offset						
A	32+80.22	24.00'	664.28	663.28	659.28	654.05	654.30	90.2 RT
B*	33+08.32	23.90'	664.33	663.43	656.07	654.07	653.90	77.6 RT
C*	33+36.00	23.97'	664.38	663.50	656.08	654.08	653.40	64.4 RT
D*	33+63.69	23.97'	664.44	663.43	656.10	654.10	652.60	54.5 RT
E*	33+91.38	23.98'	664.49	663.47	656.12	654.12	652.40	48.3 RT
F*	34+19.06	23.98'	664.55	663.73	656.14	654.14	652.40	43.6 RT
G*	34+46.75	23.96'	664.60	663.78	656.15	654.15	653.00	41.2 RT
H*	34+74.44	23.99'	664.65	663.80	656.17	654.17	653.70	39.7 RT
I*	35+02.12	23.99'	664.71	663.73	656.19	654.19	654.30	42.4 RT
J*	35+29.81	24.00'	664.76	663.76	656.20	654.20	655.00	48.3 RT
K*	35+57.56	24.00'	665.57	664.10	656.22	654.22	655.90	57.5 RT
L	35+87.86	24.47'	666.38	665.38	656.24	654.24	656.80	67.5 RT
M	36+18.45	24.48'	667.07	666.19	656.26	654.26	657.80	76.5 RT
N	36+48.61	24.03'	667.75	666.75	656.28	654.28	658.70	85.4 RT
O	36+63.78	23.63'	666.85	665.85	661.05	654.29	659.00	89.2 RT

*Location of Kink Point

ELEVATION TABLE

(Wall Offsets are measured from the Edge of Roadway for IL 38 Ramp WB to Front Face of Wall.)



WEEP HOLE DRAIN DETAIL



USER NAME = kjejtmanek	DESIGNED - AS	REVISED -
DRAWN - AHT	REVISED -	
CHECKED - AJN	REVISED -	
DATE - 3/11/2021	REVISED -	

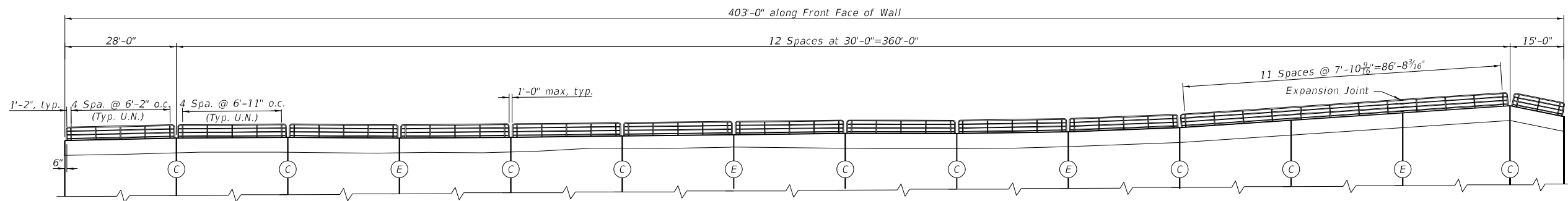
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WALL CROSS SECTION AND DETAILS
RETAINING WALL - STRUCTURE NO.022-W001**

SCALE: SHEET RET-7 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 72
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	

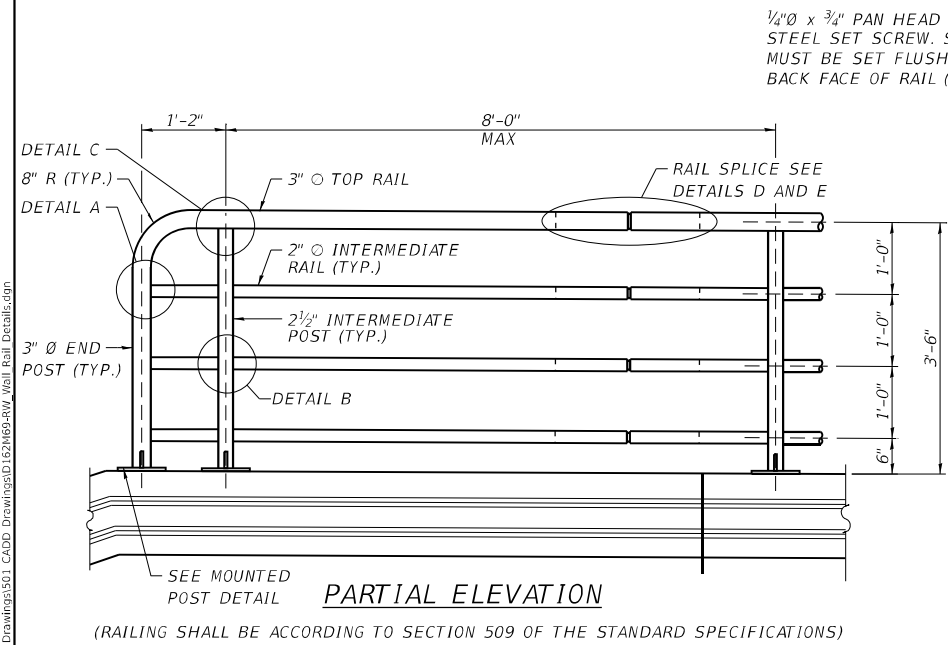
RET-07



HANDRAIL ELEVATION

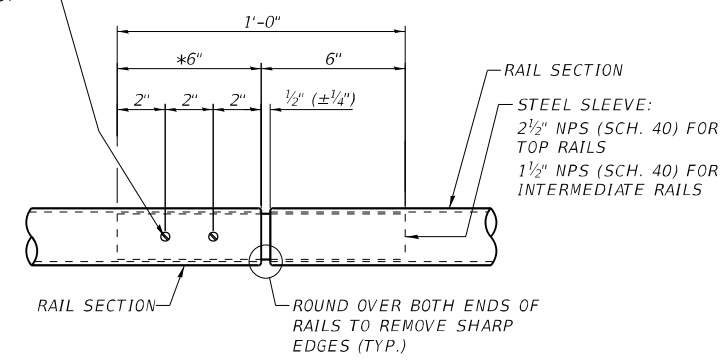
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
PIPE HANDRAIL	FOOT	403

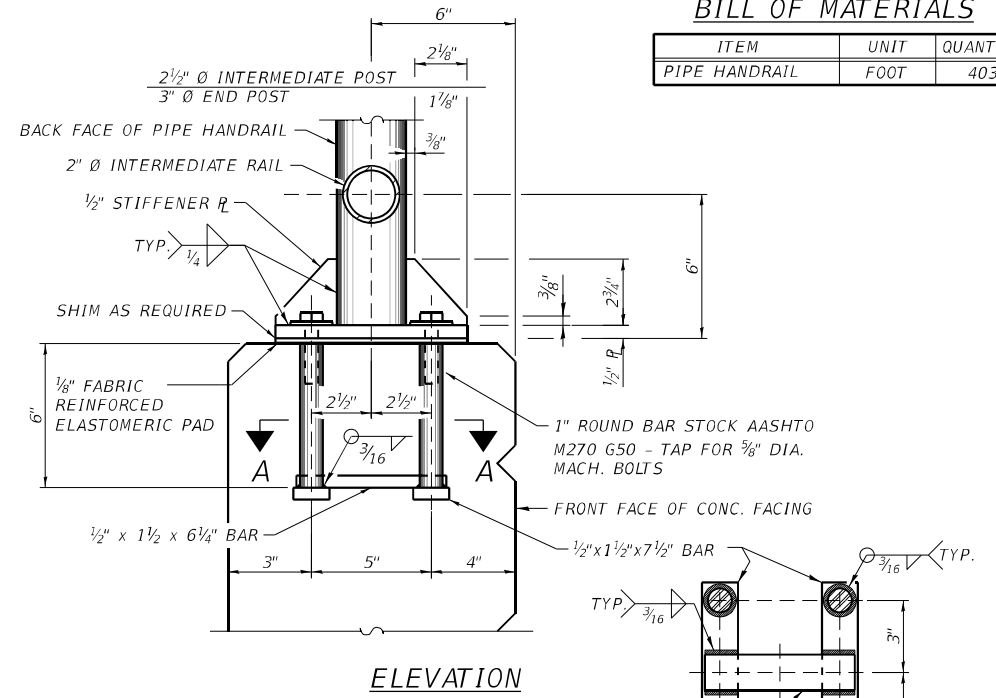


PARTIAL ELEVATION

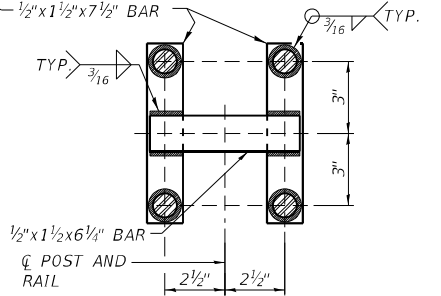
(RAILING SHALL BE ACCORDING TO SECTION 509 OF THE STANDARD SPECIFICATIONS)



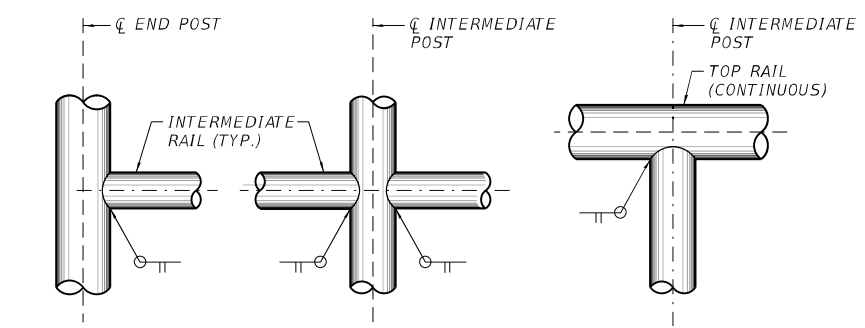
DETAIL D - HANDRAIL SPLICE CONNECTION AT EXPANSION JOINT



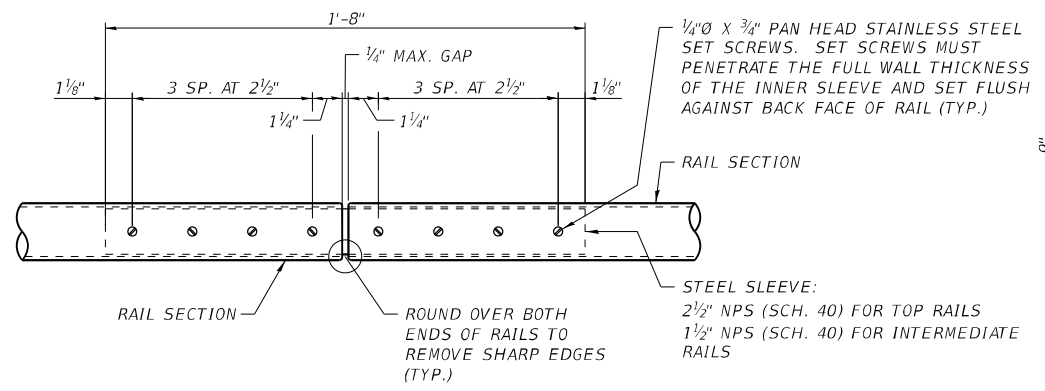
ELEVATION



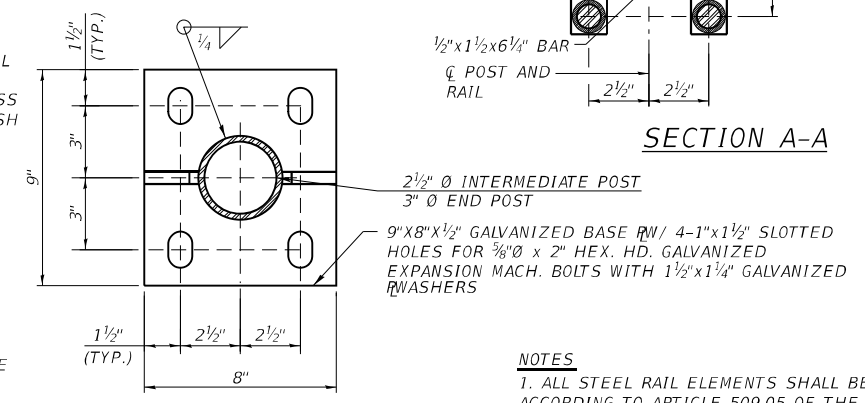
SECTION A-A



DETAIL A DETAIL B DETAIL C



DETAIL E - HANDRAIL SPLICE CONNECTION



DETAIL - WALL MOUNTED POST

NOTES
1. ALL STEEL RAIL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE IDOT STANDARD SPECIFICATIONS.

MODEL: 7D
 FILE NAME: P:\C00058 - IDOT\040058\01-002 (ENG) - PTB 1954-016 Phase II Vpr Vpr\Engineering\WO 1 - 18231-28\500 Drawings\501_CADD Drawings\501_62M69-RW Wall Rail Detail.dgn
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-474-0500
 www.bowmanconsulting.com



USER NAME = khejtmanek	DESIGNED - AS	REVISED -
DRAWN - AHT	REVISED -	
PLOT SCALE = 8:0 "/td> <td>CHECKED - AJN</td> <td>REVISED -</td>	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALL RAILING AND DETAILS
RETAINING WALL - STRUCTURE NO.022-W001

SCALE: SHEET RET-8 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	73
			CONTRACT NO. 62M69	
ILLINOIS FED. AID PROJECT				

RET-08



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 1 of 2

Date 8/17/20

ROUTE FAP 344 Illinois 83 DESCRIPTION Retaining Wall Boring LOGGED BY Eric D. Slusser

SECTION 2020-000-BR LOCATION sout. south of culvert edgeh side shoulder NB ramp to Rt 12

COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. SN 022-W001
Station _____
BORING NO. RW-01
Station 32+80 RAMP
Offset 0.00ft
Ground Surface Elev. 664.00 ft

DEPTH (ft)	DESCRIPTION	DEPTH (ft)	TEST TYPE	RESULTS
0	Ground Surface Elev. 664.00	0	U	23.1
3	Very stiff to hard Gray CLAY, trace fine gravel, Moist	3	B	4.4
5	Hard, Dark Brown and Black CLAY LOAM FILL, trace to little GRAVEL, Moist	5	B	25.8
16.7	Hard, Gray CLAY LOAM, trace to little medium to fine gravel, Moist	16.7	B	15.4
641.00	Very Stiff Gray CLAY, Moist	641.00	B	17.7
656.00	Loose to Medium Dense, Light Gray COBBLES, BOULDERS and SAND, sand medium to fine, Saturated at 9.0 feet	656.00	B	14.9
633.50	Very Stiff, Gray CLAY LOAM, trace to little medium to fine gravel, Moist	633.50	B	13.9
631.00	Medium Dense, Gray SAND, coarse to fine, trace medium to fine gravel, Saturated	631.00	B	10.6
628.50	Medium Stiff Brown CLAY, trace fine gravel, Moist	628.50	B	11.7
646.00	Very stiff to hard Gray CLAY, trace fine gravel, Moist	646.00	B	22.7

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
BBS, from 137 (Rev. 8-99)



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 2 of 2

Date 8/17/20

ROUTE FAP 344 Illinois 83 DESCRIPTION Retaining Wall Boring LOGGED BY Eric D. Slusser

SECTION 2020-000-BR LOCATION sout. south of culvert edgeh side shoulder NB ramp to Rt 12

COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. SN 022-W001
Station _____
BORING NO. RW-01
Station 32+80 RAMP
Offset 0.00ft
Ground Surface Elev. 664.00 ft

DEPTH (ft)	DESCRIPTION	DEPTH (ft)	TEST TYPE	RESULTS
0	Ground Surface Elev. 664.00	0	U	23.1
3	Very stiff to hard Gray CLAY, trace fine gravel, Moist	3	B	4.4
5	Hard, Dark Brown and Black CLAY LOAM FILL, trace to little GRAVEL, Moist	5	B	25.8
16.7	Hard, Gray CLAY LOAM, trace to little medium to fine gravel, Moist	16.7	B	15.4
641.00	Very Stiff Gray CLAY, Moist	641.00	B	17.7
656.00	Loose to Medium Dense, Light Gray COBBLES, BOULDERS and SAND, sand medium to fine, Saturated at 9.0 feet	656.00	B	14.9
633.50	Very Stiff, Gray CLAY LOAM, trace to little medium to fine gravel, Moist	633.50	B	13.9
631.00	Medium Dense, Gray SAND, coarse to fine, trace medium to fine gravel, Saturated	631.00	B	10.6
628.50	Medium Stiff Brown CLAY, trace fine gravel, Moist	628.50	B	11.7
646.00	Very stiff to hard Gray CLAY, trace fine gravel, Moist	646.00	B	22.7

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
BBS, from 137 (Rev. 8-99)



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 1 of 2

Date 8/18/20

ROUTE FAP 344 Illinois 83 DESCRIPTION Retaining Wall Boring LOGGED BY Eric D. Slusser

SECTION 2020-000-BR LOCATION 13' west of CL Ramp to NB IL 83 75' NW of RW-01

COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. SN 022-W001
Station _____
BORING NO. RW-02
Station 33+80 RAMP
Offset 0.00ft
Ground Surface Elev. 665.00 ft

DEPTH (ft)	DESCRIPTION	DEPTH (ft)	TEST TYPE	RESULTS
0	Ground Surface Elev. 665.00	0	U	23.1
6	Medium Dense Black asphalt gradings FILL	6	B	33.5
14.5	Hard, Yellowish Brown and Brown (3.0'), Yellowish Brown and Gray CLAY LOAM FILL, trace to little medium to fine gravel, Moist	14.5	B	18.9
642.00	Hard to Very Stiff Gray CLAY, Moist	642.00	B	14.2
657.00	Medium Dense to Very dense, Light Gray COBBLES, BOULDERS and SAND, loss cobbles and boulders at 11.0 feet, Saturated at 9.8 feet	657.00	B	17.7
632.00	Hard, Gray CLAY LOAM, trace to little, medium to fine gravel, Moist	632.00	B	17.4
629.50	Medium Dense, Gray SILTY LOAM, few scattered clay lenses, Moist	629.50	B	12.7
627.00	Medium Dense, Gray SANDY LOAM, trace to little fine gravel, Saturated	627.00	B	10.4

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
BBS, from 137 (Rev. 8-99)



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 2 of 2

Date 8/18/20

ROUTE FAP 344 Illinois 83 DESCRIPTION Retaining Wall Boring LOGGED BY Eric D. Slusser

SECTION 2020-000-BR LOCATION 13' west of CL Ramp to NB IL 83 75' NW of RW-01

COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. SN 022-W001
Station _____
BORING NO. RW-02
Station 33+80 RAMP
Offset 0.00ft
Ground Surface Elev. 665.00 ft

DEPTH (ft)	DESCRIPTION	DEPTH (ft)	TEST TYPE	RESULTS
0	Ground Surface Elev. 665.00	0	U	23.1
5	Medium Dense, Light Gray to 4.3', brown at 4.3' SAND, Fine, Saturated	5	B	21.2
624.50	END OF BORING 45.0 feet Backfill with soil cutting, cap with asphalt	624.50	B	16.5

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
BBS, from 137 (Rev. 8-99)

MODEL: 022-W001-62M69-002
FILE NAME: PLOT0023 - DOT000058-01-002 (ENG) - PTB 195-016 Phase II Vpr Vpr/Engineering/VO 1 - IL23-IL38500 Drawings/501_CADD Drawings/D162M69-RW-Boring_Logs.dgn



USER NAME = kjejtmanek
DESIGNED - AS
DRAWN - AHT
CHECKED - AJN
PLOT DATE = 3/10/2021

REVISED -
REVISED -
REVISED -
REVISED -

DATE - 3/11/2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 1
RETAINING WALL - STRUCTURE NO. 022-W001

SCALE: SHEET RET-9 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	74
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

RET-09



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 1 of 2
Date 8/18/20

ROUTE FAP 344/Illinois 83 DESCRIPTION Retaining Wall Boring LOGGED BY Eric D. Slusser
SECTION 2020-000-BR LOCATION 13' west of CL Ramp to NB IL 83 75' NW of RW-02
COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. SN 022-W001
Station _____
BORING NO. RW-03
Station 34+40 RAMP
Offset 0.00ft
Ground Surface Elev. 667.00 ft

DEPTWHTHS	QuT	(ft)	(ft ²)	(tsf)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	D E L C O	P O S I	M O
-----------	-----	------	--------------------	-------	-----	------------------------	---------------------	-----------	---------	-----

Asphalt		666.17								
Medium Dense Black Asphalt Grindings, Moist		665.70	6	16.3						23.6
Hard, Yellowish Brown and Light Gray to 3.0', Pale Brown to 5.5', Black, Yellowish Brown and Gray CLAY LOAM FILL, trace to little medium fine gravel, Moist, Wet at 11.0 feet			5	4.4						22.3
			3	21.2		643.00				
			3	3.9						16.8
			5	6.3						16.5
			3	22.5						11.7
			5	19.2						13.5
			8	3.9						13.8
			16	6.3						12.7
			16							15.4
			3	26.1						10.1
			4							10.1
			11							
			0	40.7						
			1							
			2	0.3						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
BBS, from 137 (Rev. 8-99)



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 2 of 2
Date 8/18/20

ROUTE FAP 344/Illinois 83 DESCRIPTION Retaining Wall Boring LOGGED BY Eric D. Slusser
SECTION 2020-000-BR LOCATION 13' west of CL Ramp to NB IL 83 75' NW of RW-02
COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. SN 022-W001
Station _____
BORING NO. RW-03
Station 34+40 RAMP
Offset 0.00ft
Ground Surface Elev. 667.00 ft

DEPTWHTHS	QuT	(ft)	(ft ²)	(tsf)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	D R U M	L O S I
-----------	-----	------	--------------------	-------	-----	------------------------	---------------------	---------	---------

Medium Dense Pale Brown SAND, coarse to fine, trace to little medium to fine gravel, Saturated		626.50	5	20.3						
			8							
			9							
			6							
			3	22.6						
			7							
			45							
END OF BORING 45.0 feet Backfill with soil cuttings, cap with asphalt		622.00								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
BBS, from 137 (Rev. 8-99)



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 1 of 2
Date 8/18/20

ROUTE FAP 344/Illinois 83 DESCRIPTION Retaining Wall Boring LOGGED BY Eric D. Slusser
SECTION 2020-000-BR LOCATION 13' west of CL Ramp to NB IL 83 75' NW of RW-03
COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. SN 022-W001
Station _____
BORING NO. RW-04
Station 35+10 RAMP
Offset 0.00ft
Ground Surface Elev. 667.00 ft

DEPTWHTHS	QuT	(ft)	(ft ²)	(tsf)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	D B U M	L C O I
-----------	-----	------	--------------------	-------	-----	------------------------	---------------------	---------	---------

ASPHALT		666.00								
Medium Dense Asphalt Grindings		665.70	4	14.4						13.6
Hard to Very Stiff Brown, Yellowish Brown and Gray to 3.0' CLAY LOAM FILL, trace to little medium to fine gravel, Moist			5	3.5						644.00
			9							
			4							20.1
			3	18.6						20.1
			6	6.1						2.5
			2	19.0						23.6
			4	2.9						2.7
			2	17.7						15.1
			2	3.9						13.5
			3							10.8
			5							18.2
			5	10.2						5.8
			9	17.0						4.1
			14							16.1
			25							12.6
			16							
			20							
			24							
			9							
			15	14.0						7.7
			12							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
BBS, from 137 (Rev. 8-99)



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Page 2 of 2
Date 8/18/20

ROUTE FAP 344/Illinois 83 DESCRIPTION Retaining Wall Boring LOGGED BY Eric D. Slusser
SECTION 2020-000-BR LOCATION 13' west of CL Ramp to NB IL 83 75' NW of RW-03
COUNTY DuPage County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. SN 022-W001
Station _____
BORING NO. RW-04
Station 35+10 RAMP
Offset 0.00ft
Ground Surface Elev. 667.00 ft

DEPTWHTHS	QuT	(ft)	(ft ²)	(tsf)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	D B U M	L C O I
-----------	-----	------	--------------------	-------	-----	------------------------	---------------------	---------	---------

Loose, pale Brown SAND, very fine, Saturated		626.50	3	25.0						
			6							
			4							
			10							
			9	19.6						
			9							
END OF BORING 45.0 feet Backfill boring with soil cuttings, cap with asphalt		622.00								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
BBS, from 137 (Rev. 8-99)

MODEL: 0224031-SN266-010
FILE NAME: PLOT023 - DOT040069-002 (ENG) - PTB_195-016 Phase II Var Var Engineering, WI - IL 2-31-20500 - Drawings501_CADD Drawings501_CADD 0224031-SN266-010-002-010



USER NAME = kijejmanek
DESIGNED - AS
DRAWN - AHT
CHECKED - AJN
DATE - 3/11/2021
PLOT SCALE = 2:0,000 ft/in / in.
PLOT DATE = 3/10/2021

REVISER -
REVISED -
REVISER -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 2
RETAINING WALL - STRUCTURE NO. 022-W001
SCALE: SHEET RET-10 OF RET-11 SHEETS TO STA. TO STA.

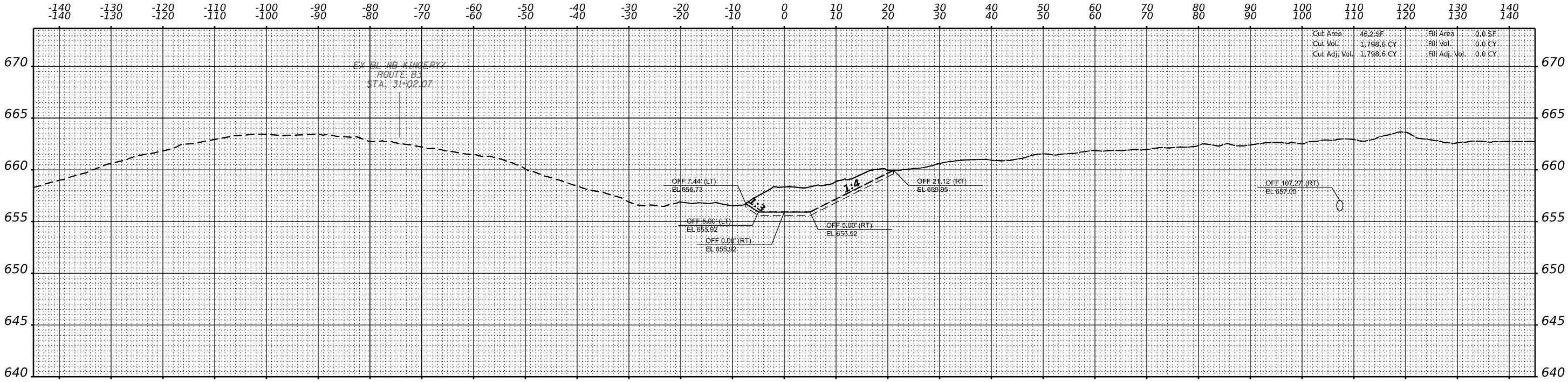
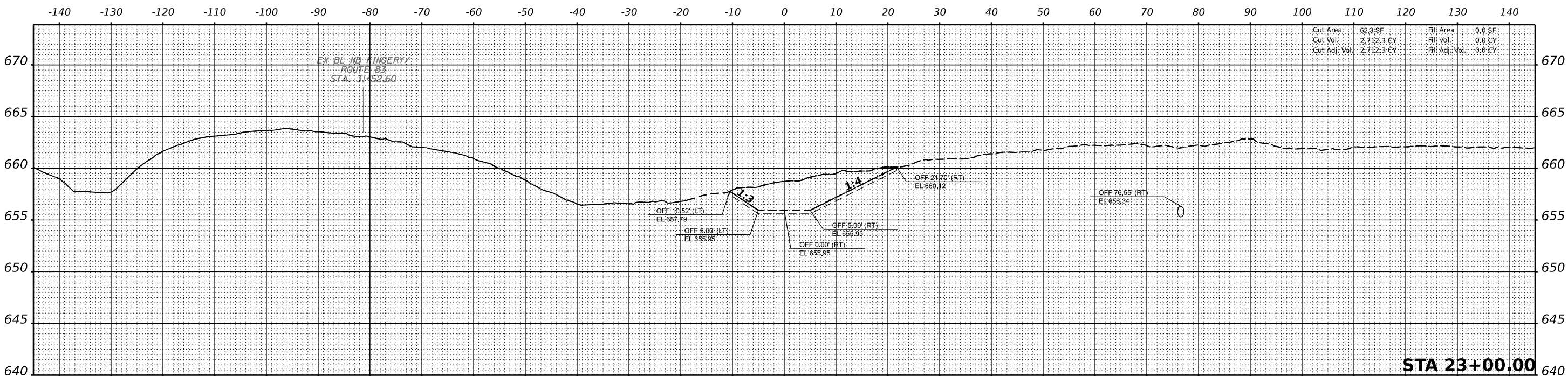
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	75

CONTRACT NO. 62M69
ILLINOIS FED. AID PROJECT

DATE	
BY	
NO.	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

MODEL: 22+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040058-01-002 (ENG) - PB 19-016 Phase II Var VanEngineering\WO 1 - LB3-LB3-500 Drawings\502 CADD Sheets\02M69sheet\23-PCChannel.dgn



USER NAME	= khejtmanek
DESIGNED	- KH
DRAWN	- KM
CHECKED	- AP
DATE	- 3/11/2021
REVISIONS	
REVISIONS	
REVISIONS	
REVISIONS	
REVISIONS	

SCALE	= 0.1667' / in.
PLOT DATE	= 3/10/2021

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

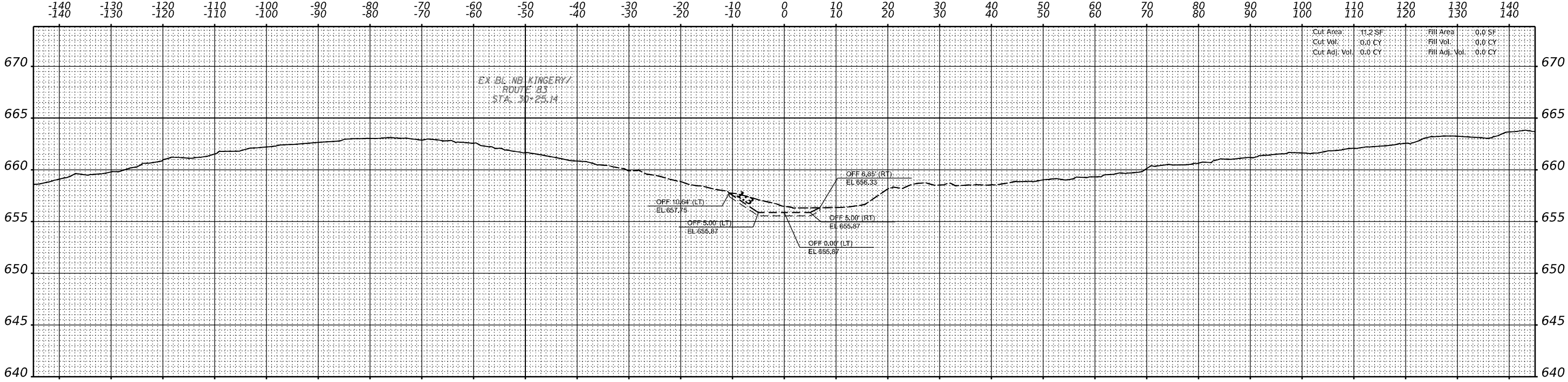
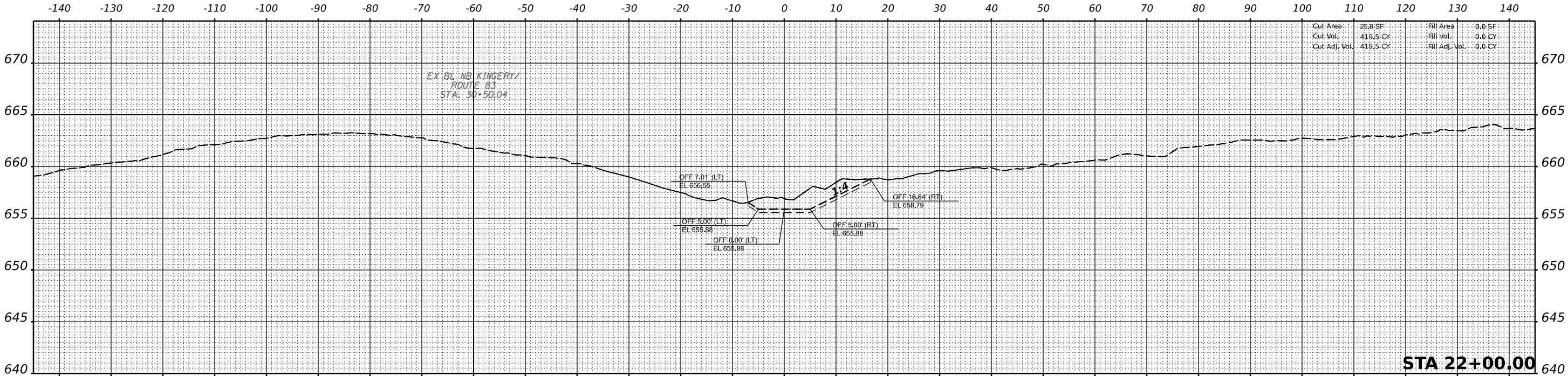
CROSS SECTIONS PROPOSED CHANNEL	
SCALE: 1"=10'(H) 1"=50'(V)	SHEET 2 OF 17 SHEETS
STA. 22+50.00 TO 23+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	77
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
	CHECKED

MODEL: 21+77.30 (Sheet)
 FILE NAME: P:\040298 - I\DOT\040056-01-202 (ENG) - FTB 195-016 Phase II Var VanEngineering\WO 1 - I\B3\13B\500 Drawings\502 CADD Sheets\02\169-sheet\2-PC\Channel.dgn



Bowman CONSULTING
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-454-0300
 www.bowmanconsulting.com

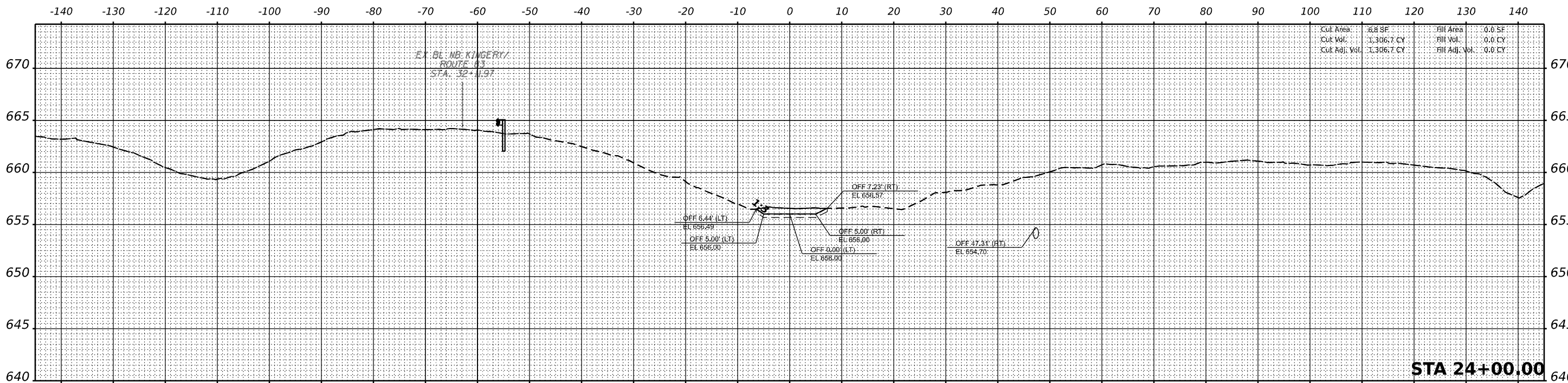
USER NAME	= khejtmanek
DESIGNED	- KH
DRAWN	- KM
CHECKED	- AP
DATE	- 3/11/2021
REVISIONS	
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
SCALE	= 0.1667" / 1'
PLOT DATE	= 3/10/2021

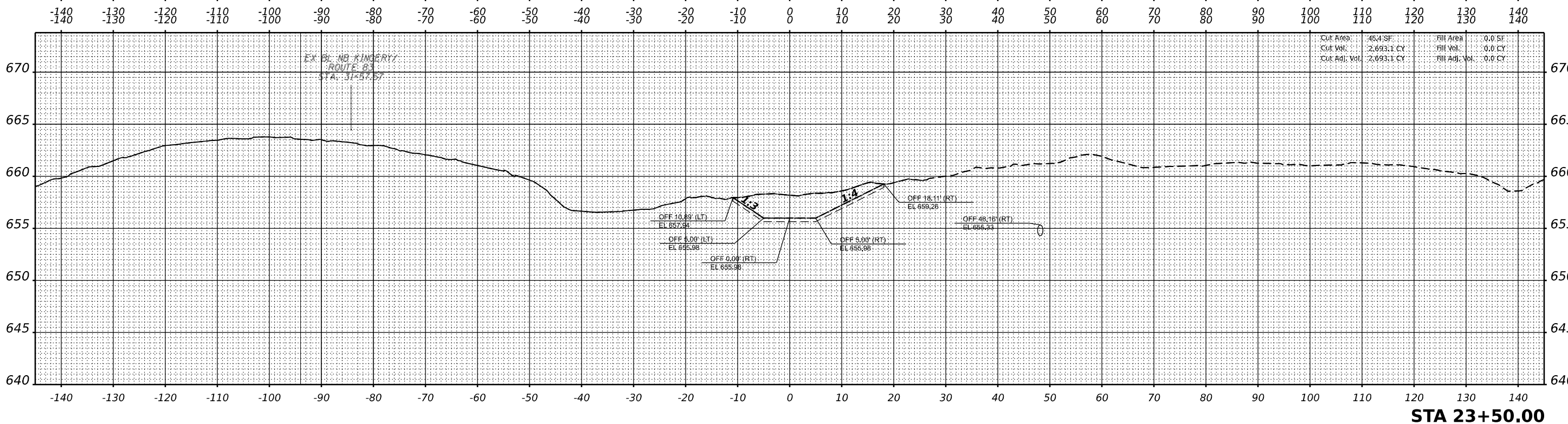
CROSS SECTIONS PROPOSED CHANNEL	
SCALE:	1"=10'(H) 1"=5'(V)
SHEET	1 OF 17 SHEETS
STA.	21+77.30 TO 22+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	78
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



MODEL: 23+50.00 (Sheet)
FILE NAME: P:\040028 - 107040028-01-202 (ENG) - F1B 135-016 Phase II for VanEngineering\WO 1 - 113-113B 500 Drawings\502_CADD Sheets\22\969-sheet-2-PC-channel.dgn



USER NAME	= khejtmanek
PLOT SCALE	= 0.1667" / in.
PLOT DATE	= 3/10/2021

DESIGNED	- KH
DRAWN	- KM
CHECKED	- AP
DATE	- 3/11/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PROPOSED CHANNEL

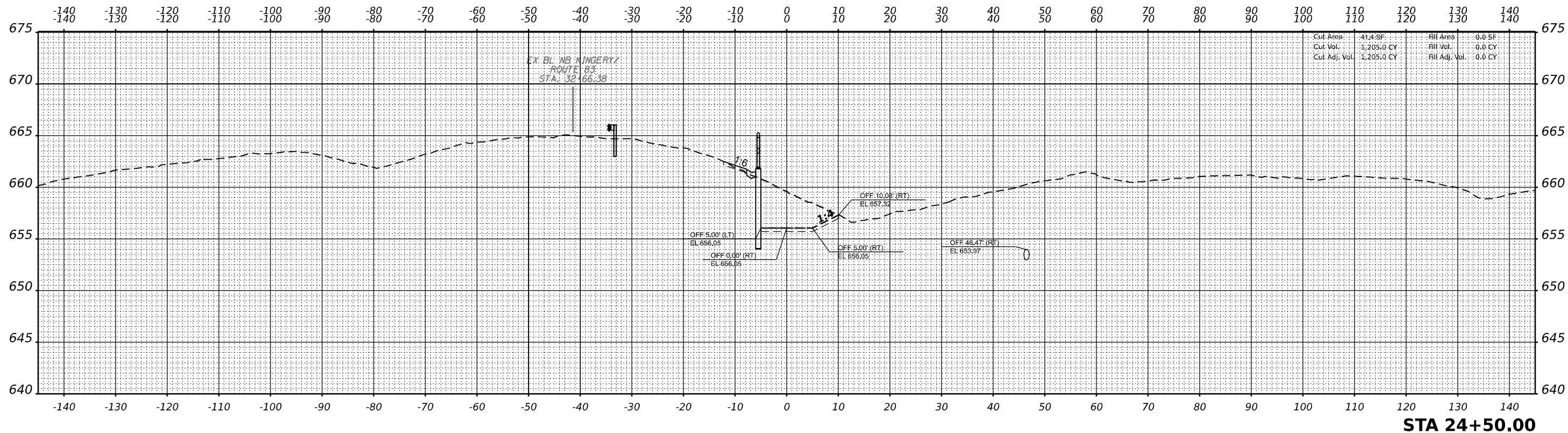
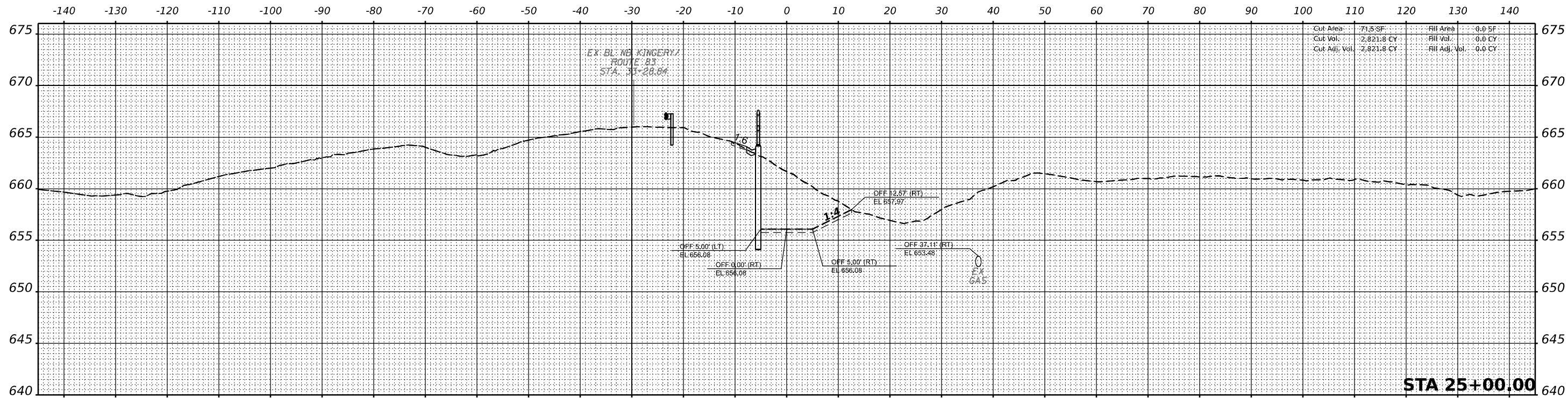
SCALE:	1"=10'(H) 1"=5'(V)
SHEET	3 OF 17 SHEETS
STA.	23+50.00 TO 24+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	79
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

MODEL: 24+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040058-01-002 (ENG) - FTB 195-016 Phase II for VanEngineering\WO 1 - ILS\135-500 Drawings\502_CADD Sheets\02\2450+50.00 Channel.dgn



USER NAME = khejtanek
 DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 PROPOSED CHANNEL

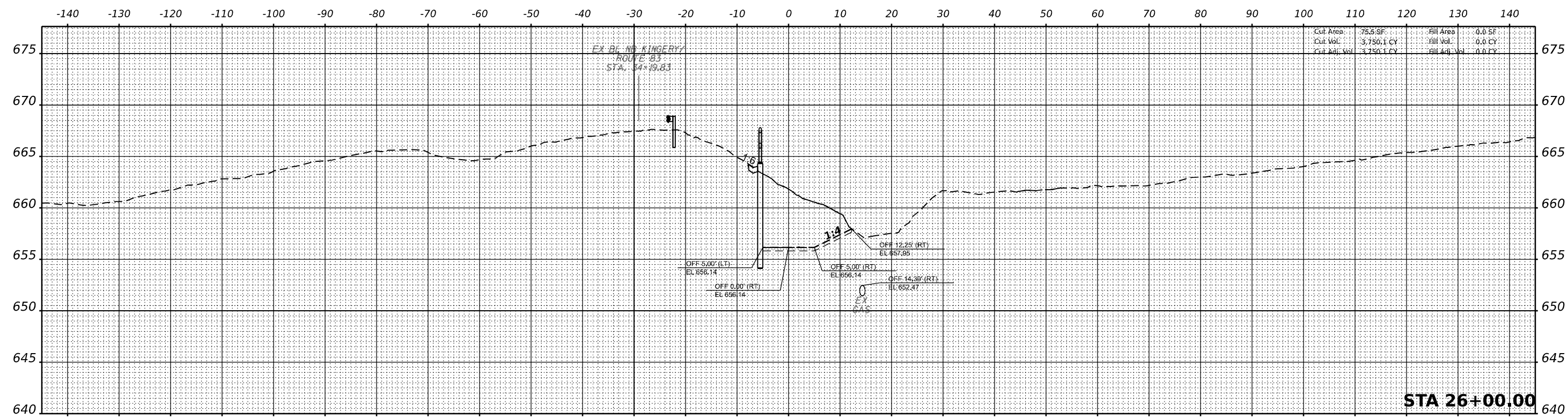
SCALE: 1"=10'(H)
 1"=5'(V) SHEET 4 OF 17 SHEETS STA. 24+50.00 TO 25+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	80
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

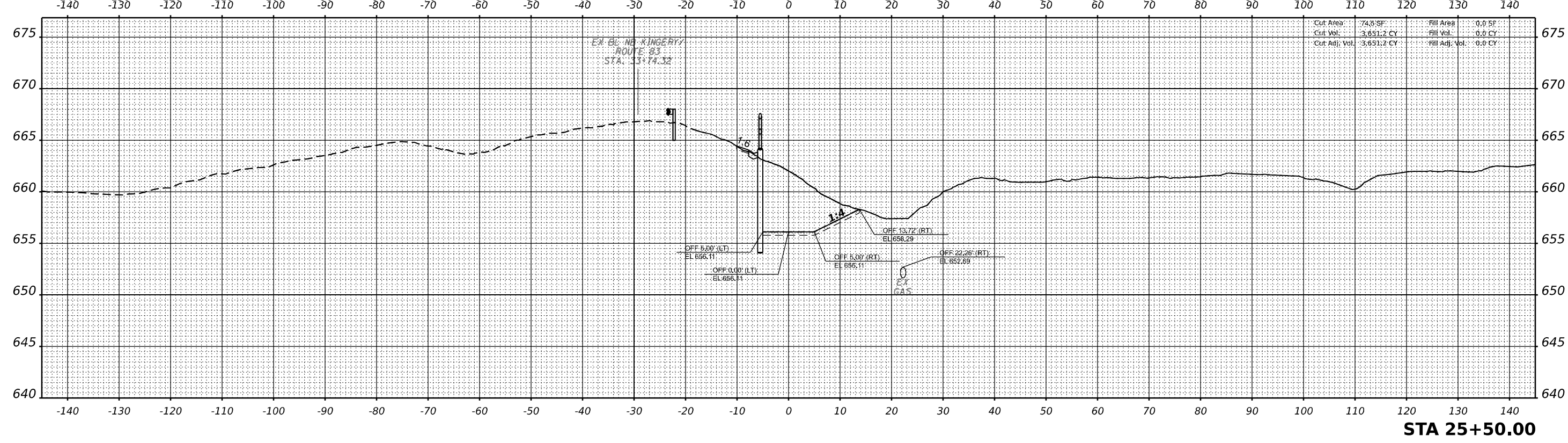
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

MODEL: 25+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040058-01-202 (ENG) - FTB 135-016 Phase II Var\Engineering\WO 1 - LB3-LB5-500 Drawings\502_CADD Sheets\02M69-sheet5-PC-channel.dgn



Cut Area:	75.5 SF	Fill Area:	0.0 SF
Cut Vol:	3,750.1 CY	Fill Vol:	0.0 CY
Cut Adj. Vol:	3,750.1 CY	Fill Adj. Vol:	0.0 CY



Cut Area:	74.5 SF	Fill Area:	0.0 SF
Cut Vol:	3,651.2 CY	Fill Vol:	0.0 CY
Cut Adj. Vol:	3,651.2 CY	Fill Adj. Vol:	0.0 CY



311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-454-0300
 www.bowmanconsulting.com

USER NAME	= khejtmanek	DESIGNED	- KH	REVISED	-
		DRAWN	- KM	REVISED	-
PLOT SCALE	= 0.1667" / in.	CHECKED	- AP	REVISED	-
PLOT DATE	= 3/10/2021	DATE	- 3/11/2021	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

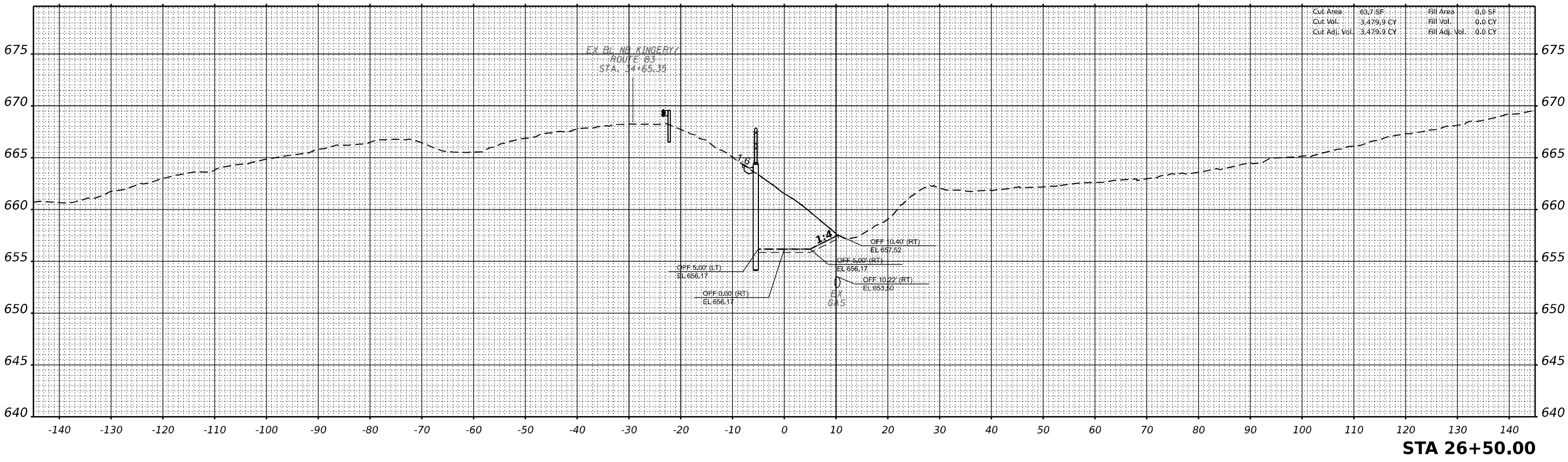
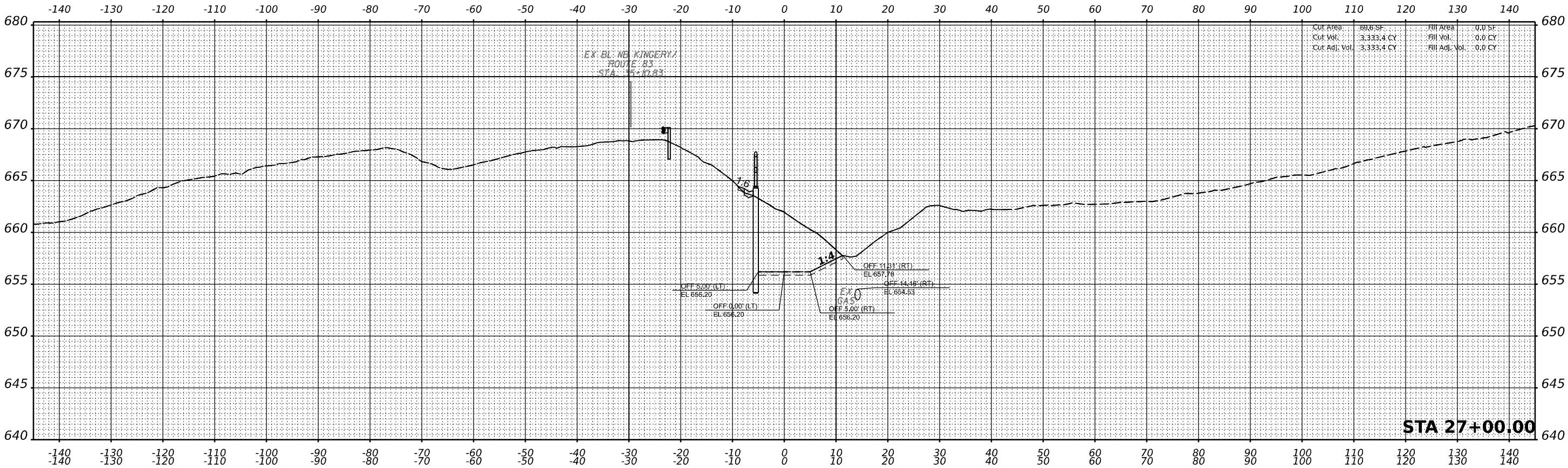
CROSS SECTIONS PROPOSED CHANNEL	
SCALE: 1"=10'(H) 1"=5'(V)	SHEET 5 OF 17 SHEETS STA. 25+50.00 TO 26+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	81
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

MODEL: 26+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040056-01-02 (ENG) - FTB 195-016 Phase II Var VanEngineering\WO 1 - LB3-LB3-500 Drawings\502_CADD Sheets\02\62M69-62-56-Channel.dgn



USER NAME = khejtmanek
 PLOT SCALE = 0.1667" / in.
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 PROPOSED CHANNEL

SCALE: 1"=10'(H)
 1"=5'(V) SHEET 6 OF 17 SHEETS STA. 26+50.00 TO 27+00.00

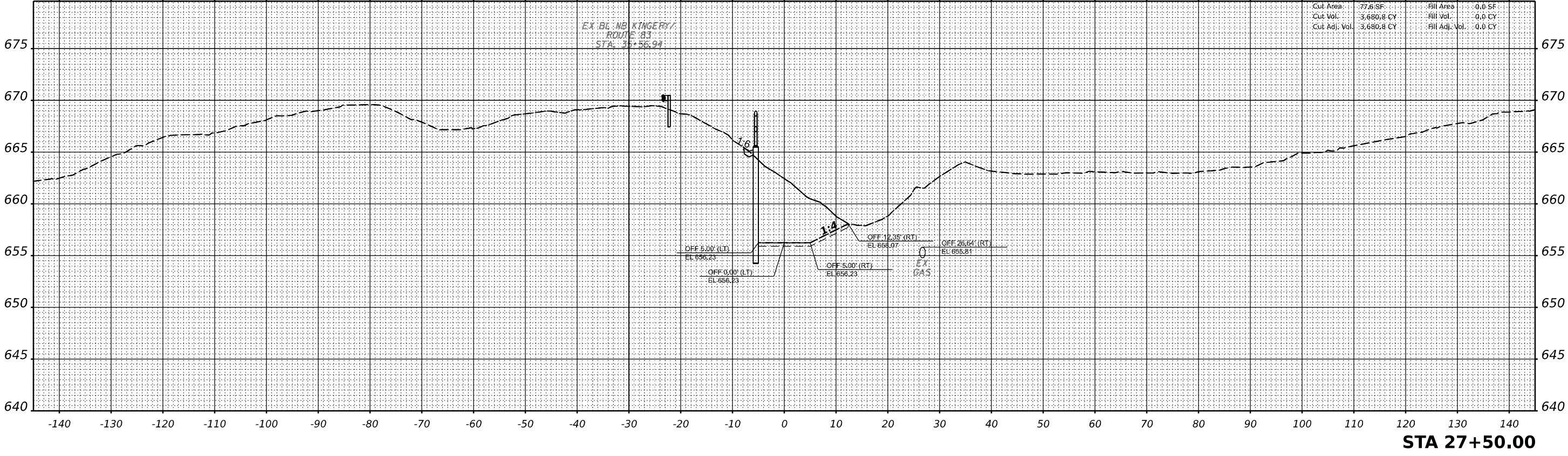
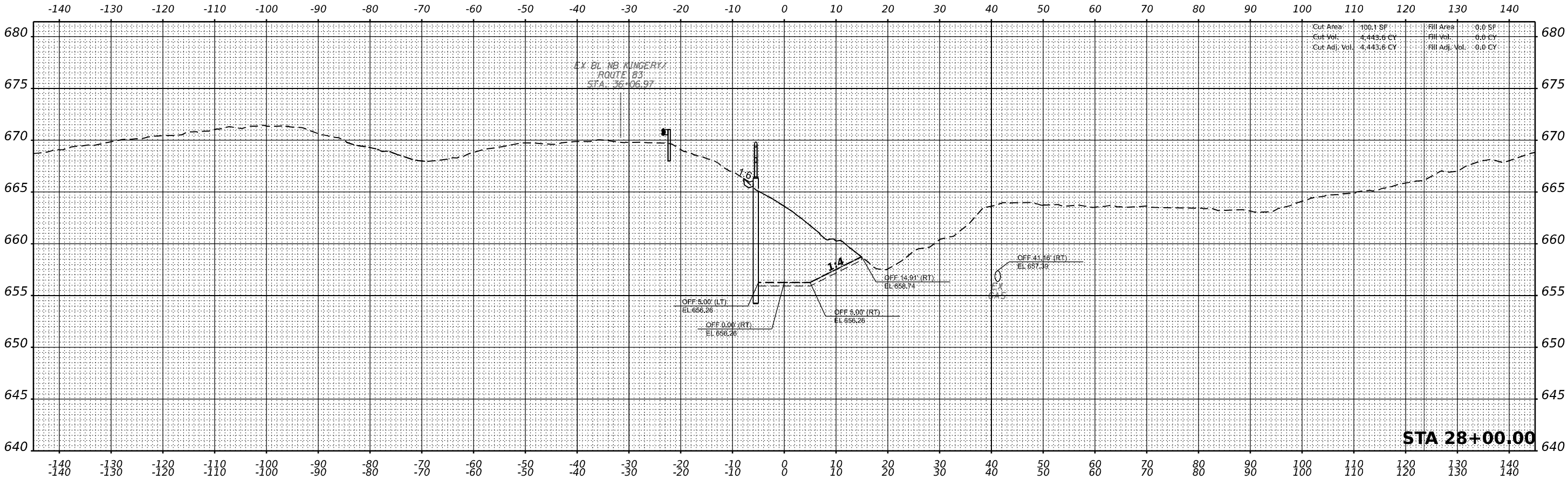
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	82
CONTRACT NO. 62M69				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

MODEL: 27+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040056-01-002 (ENG) - FTB 195-016 Phase II Var VanEngineering\WO 1 - ILS\1138\500 Drawings\502 CADD Sheets\02\195-016-02-01-002-01.dwg



USER NAME	= khejtmanek
DESIGNED	- KH
DRAWN	- KM
CHECKED	- AP
DATE	- 3/11/2021
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS	DESIGNED	-	KH	REVISED	-
DEPARTMENT OF TRANSPORTATION	DRAWN	-	KM	REVISED	-
	CHECKED	-	AP	REVISED	-
	DATE	-	3/11/2021	REVISED	-

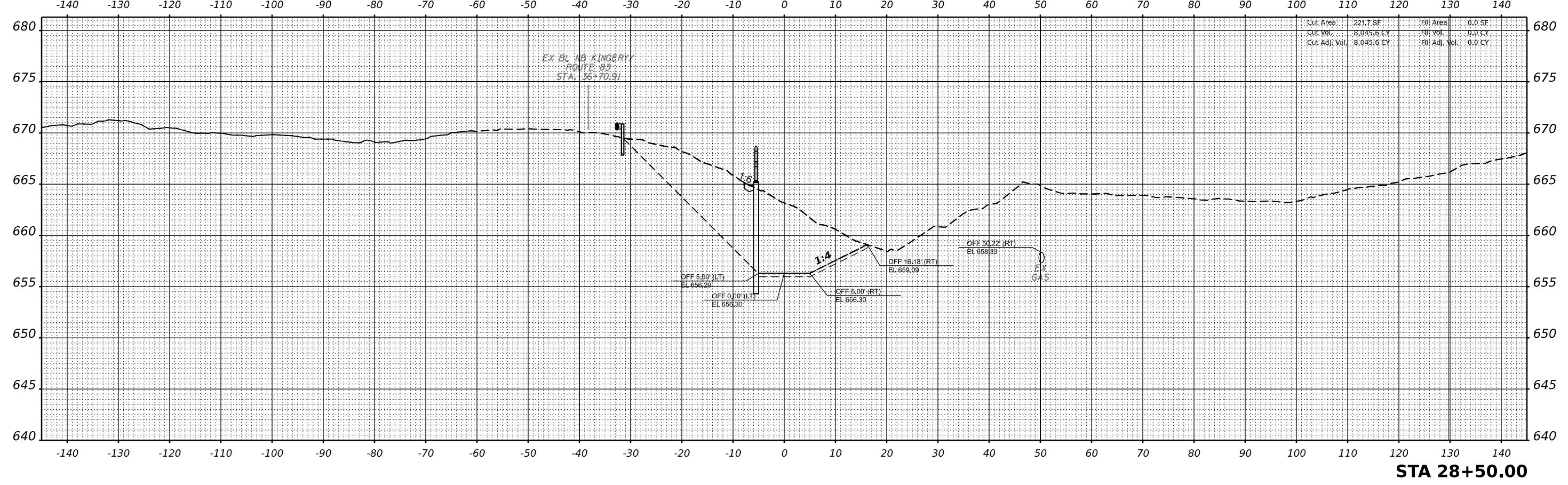
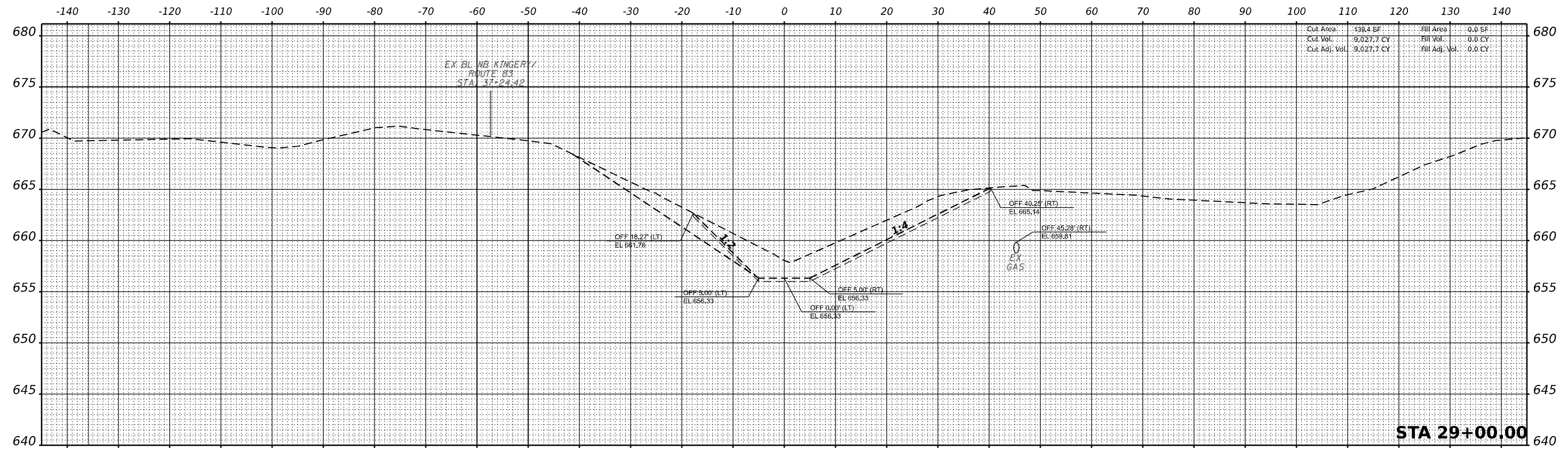
CROSS SECTIONS	F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PROPOSED CHANNEL	344	2020-196-T	DUPAGE	122	83
	CONTRACT NO. 62M69				
	ILLINOIS FED. AID PROJECT				

SCALE: 1"=10'(H) 1"=5'(V)	SHEET 7	OF 17	SHEETS	STA. 27+50.00 TO 28+00.00
------------------------------	---------	-------	--------	---------------------------

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	

MODEL: 28+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040056-01-002 (ENG) - FTB 135-016 Phase II Var\Engineering\WO 1 - ILS\135-500 Drawings\502_CADD Sheets\02\MS6ent\X-PC\Channel.dgn

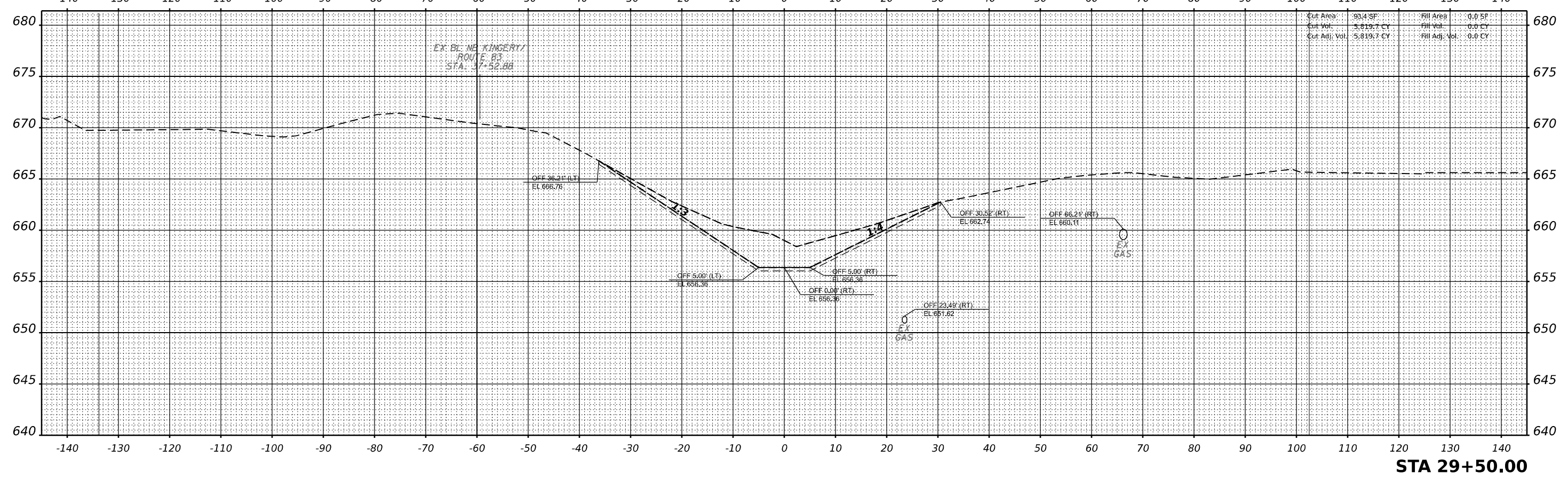
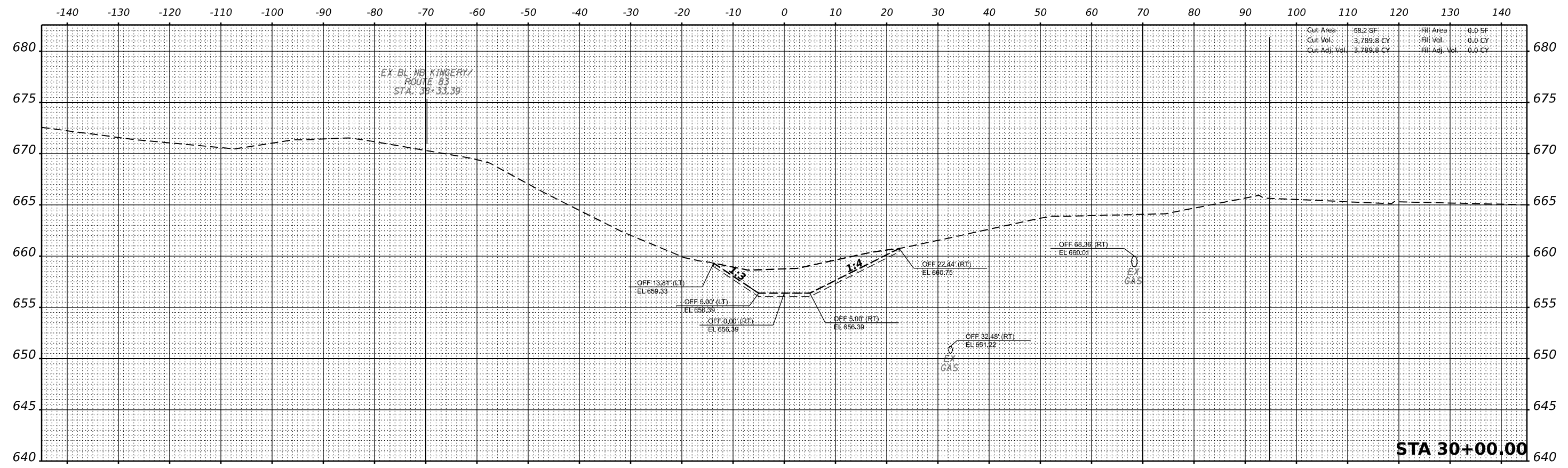


	USER NAME = khejtmanek	DESIGNED - KH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS PROPOSED CHANNEL			F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 84
	PLOT SCALE = 0.1667' / in.	CHECKED - AP	REVISED -					SCALE: 1"=10'(H) 1"=5'(V)	SHEET 8 OF 17 SHEETS	STA. 28+50.00 TO 29+00.00	CONTRACT NO. 62M69	
	PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -					ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

MODEL: 29+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040056-01-002 (ENG) - FTB 195-016 Phase II Var VanEngineering\WO 1 - I\B3-LB3-500 Drawings\502_CADD Sheets\02M69-sheet\A3-RChannel.dgn



USER NAME = khejtmanek
 PLOT SCALE = 0.1667" / in.
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 PROPOSED CHANNEL

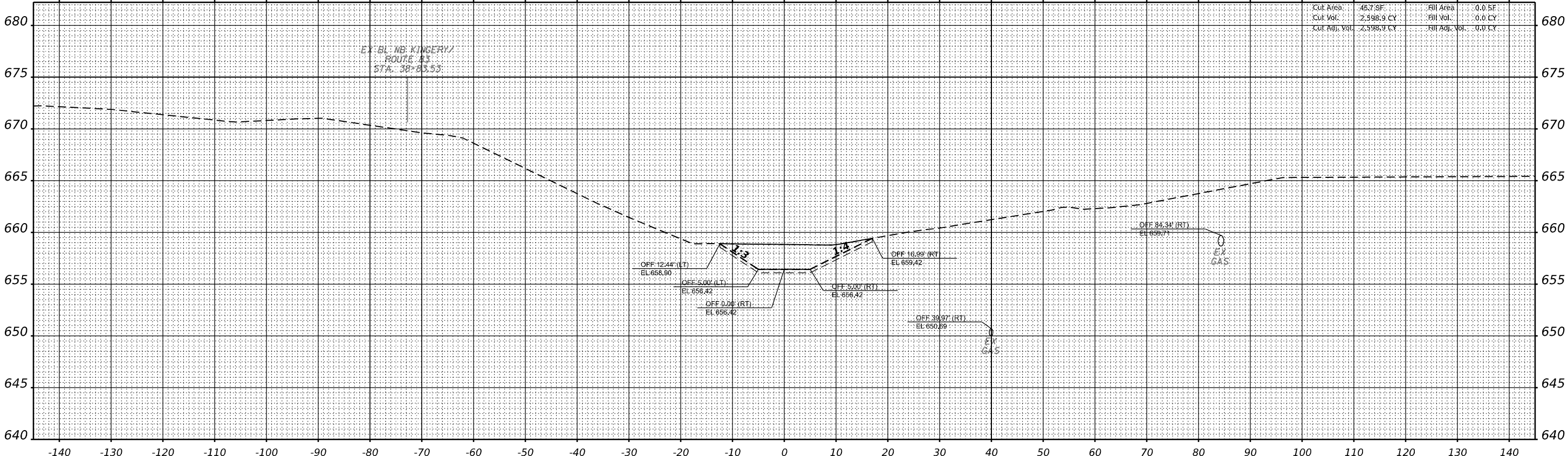
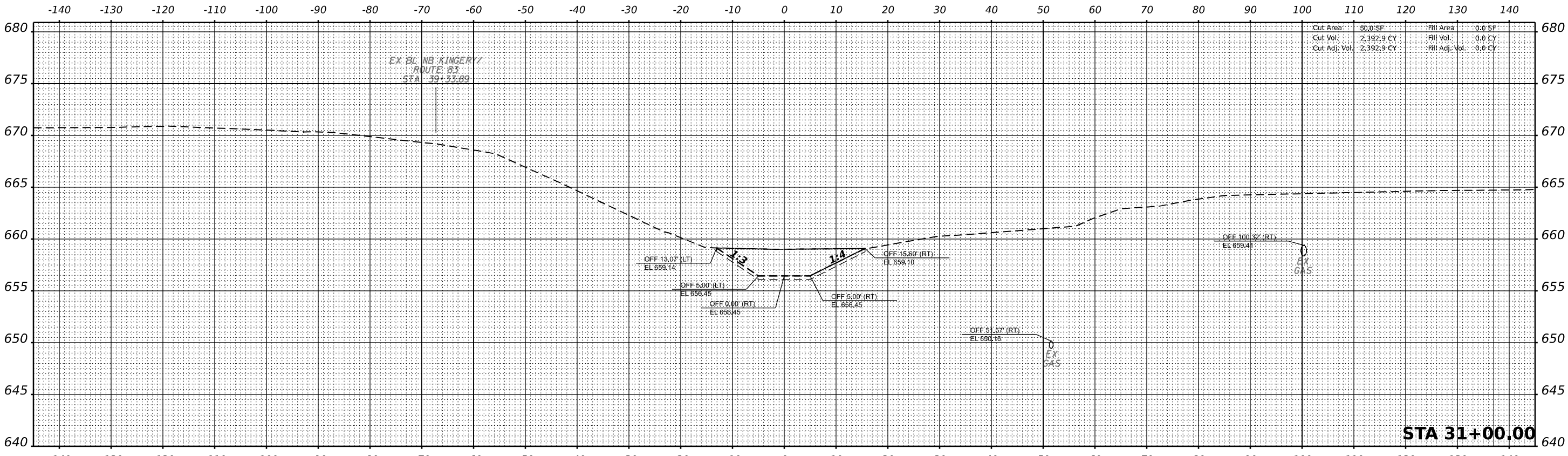
SCALE: 1"=10'(H)
 1"=5'(V) SHEET 9 OF 17 SHEETS STA. 29+50.00 TO 30+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	85
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
	CREATED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
	CREATED

MODEL: 30+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040056-01-002 (ENG) - FTB 195-016 Phase II for VanEngineering\WO 1 - ILL3-IL38-500 Drawings\502 CADD Sheets\02\62M69-62-56-Channel.dgn



311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-454-0300
 www.bowmanconsulting.com

USER NAME	= khejtmanek	DESIGNED	- KH	REVISED	-
		DRAWN	- KM	REVISED	-
PLOT SCALE	= 0.1667" / in.	CHECKED	- AP	REVISED	-
PLOT DATE	= 3/10/2021	DATE	- 3/11/2021	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'(H) 1"=50'(V)		SHEET 10	OF 17 SHEETS	STA. 30+50.00 TO 31+00.00
-------------------------------	--	----------	--------------	---------------------------

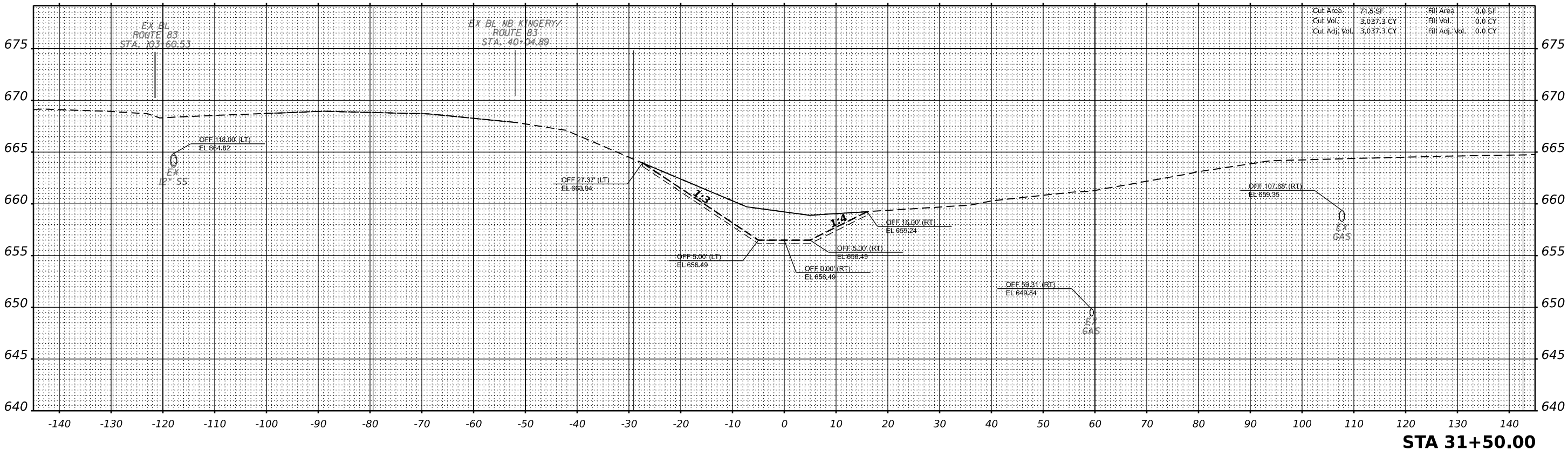
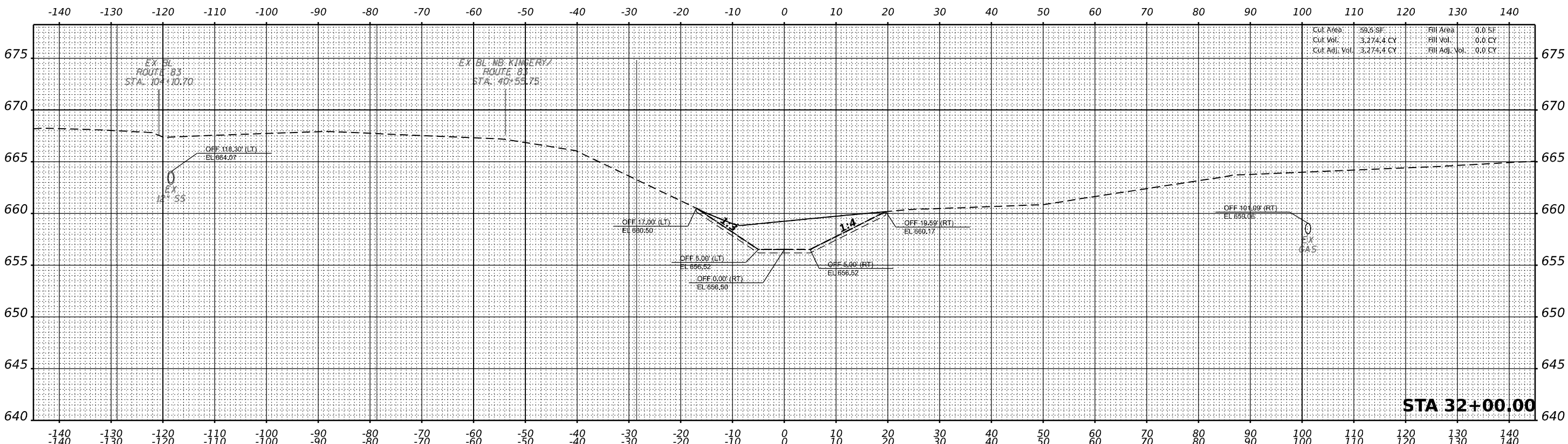
CROSS SECTIONS
 PROPOSED CHANNEL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	86
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
	CHECKED

MODEL: 31+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040056-01-002 (ENG) - FB 195-016 Phase II Var VanEngineering\WO 1 - ILL3-IL3B-500 Drawings\502 CADD Sheets\02M69ent\X-PC\Channel.dgn



Bowman CONSULTING
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-454-0300
 www.bowmanconsulting.com

USER NAME = khejtmanek
 PLOT SCALE = 0.1667" / 1'
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 PROPOSED CHANNEL**

SCALE: 1"=10'(H)
 1"=5'(V)

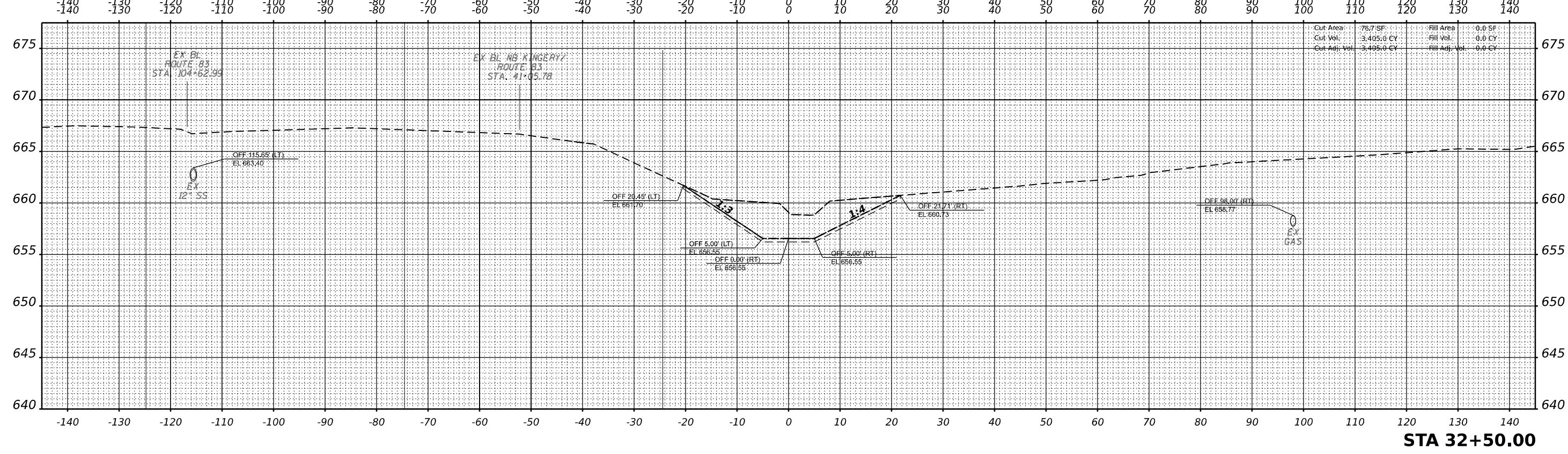
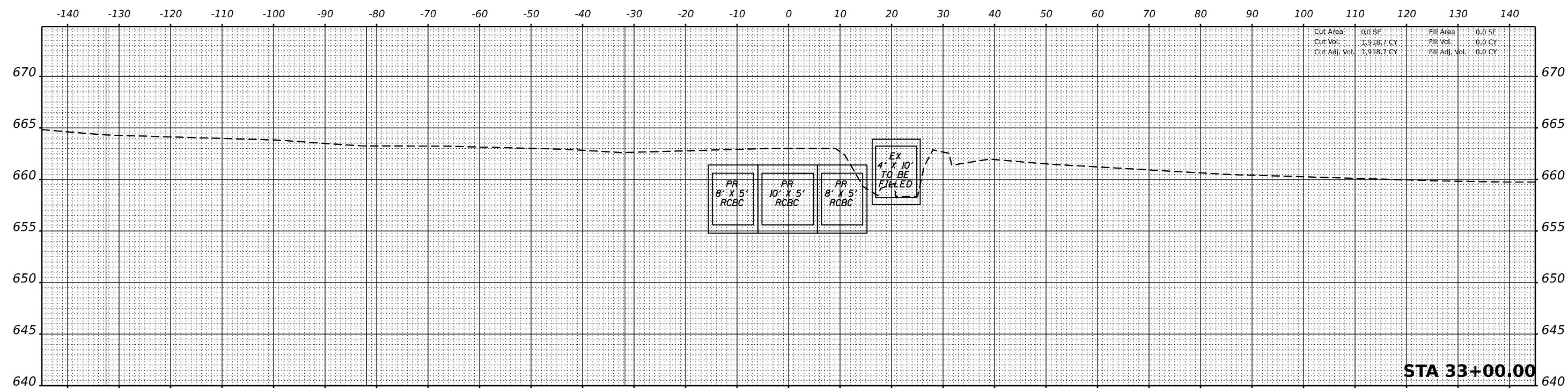
SHEET 11 OF 17 SHEETS
 STA. 31+50.00 TO 32+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	87
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
	CHECKED

MODEL: 32+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040056-01-02 (ENG) - FTB 195-016 Phase II for VanEngineering\WO 1 - ILL3-IL38-500 Drawings\502_CADD Sheets\02\2028-01-02-01-02-01-02-01-02.dgn



USER NAME = khejtmanek
 PLOT SCALE = 0.1667" / in.
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

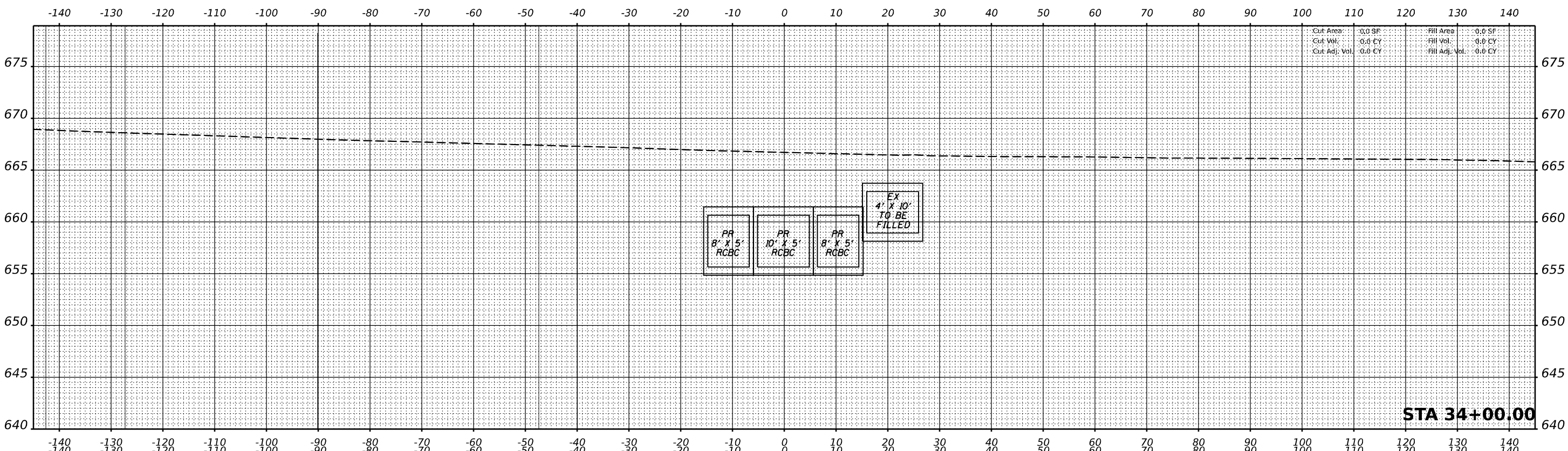
CROSS SECTIONS
 PROPOSED CHANNEL
 SCALE: 1"=10'(H)
 1"=5'(V)
 SHEET 12 OF 17 SHEETS
 STA. 32+50.00 TO 33+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	88
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

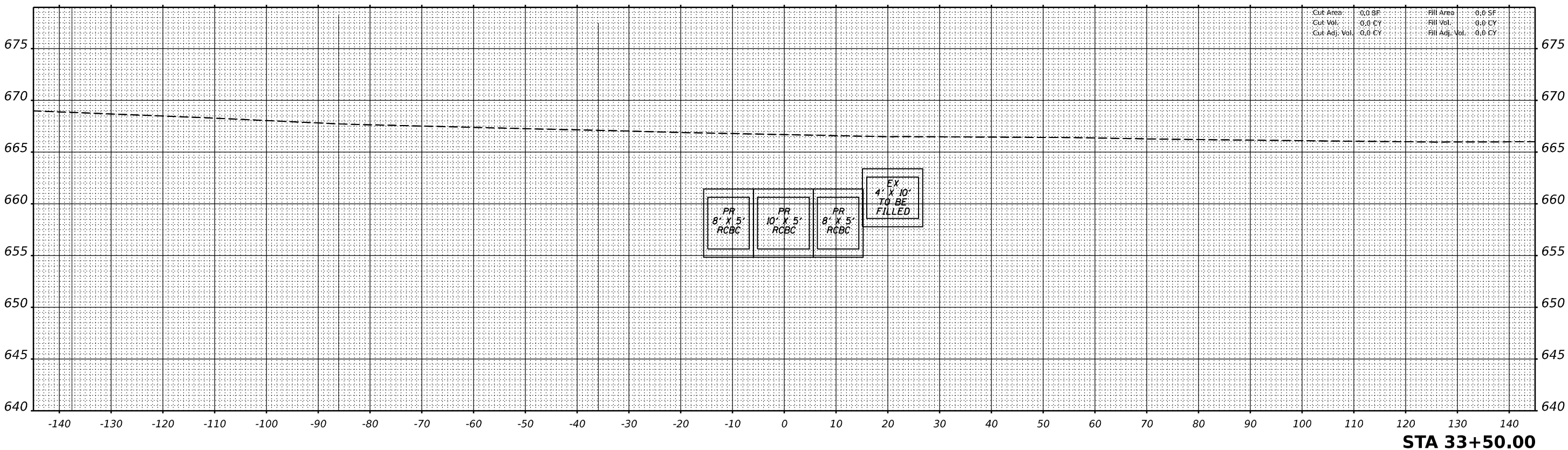
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

MODEL: 33+50.00 (Sheet)
 FILE NAME: P:\02028 - IDOT\040058-01-002 (ENG) - FTB 135-016 Phase II Var VanEngineering\WO 1 - ILS\135\50 Drawings\502 CADD Sheets\02\669-sheet3-RC-channel.dgn



Cut Area:	0.0 SF	Fill Area:	0.0 SF
Cut Vol:	0.0 CY	Fill Vol:	0.0 CY
Cut Adj. Vol:	0.0 CY	Fill Adj. Vol:	0.0 CY



Cut Area:	0.0 SF	Fill Area:	0.0 SF
Cut Vol:	0.0 CY	Fill Vol:	0.0 CY
Cut Adj. Vol:	0.0 CY	Fill Adj. Vol:	0.0 CY

Bowman CONSULTING
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-454-0360
 www.bowmanconsulting.com

USER NAME	= khejtmanek	DESIGNED	- KH	REVISED	-
PLOT SCALE	= 0.1667' / in.	DRAWN	- KM	REVISED	-
PLOT DATE	= 3/10/2021	CHECKED	- AP	REVISED	-
		DATE	- 3/11/2021	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

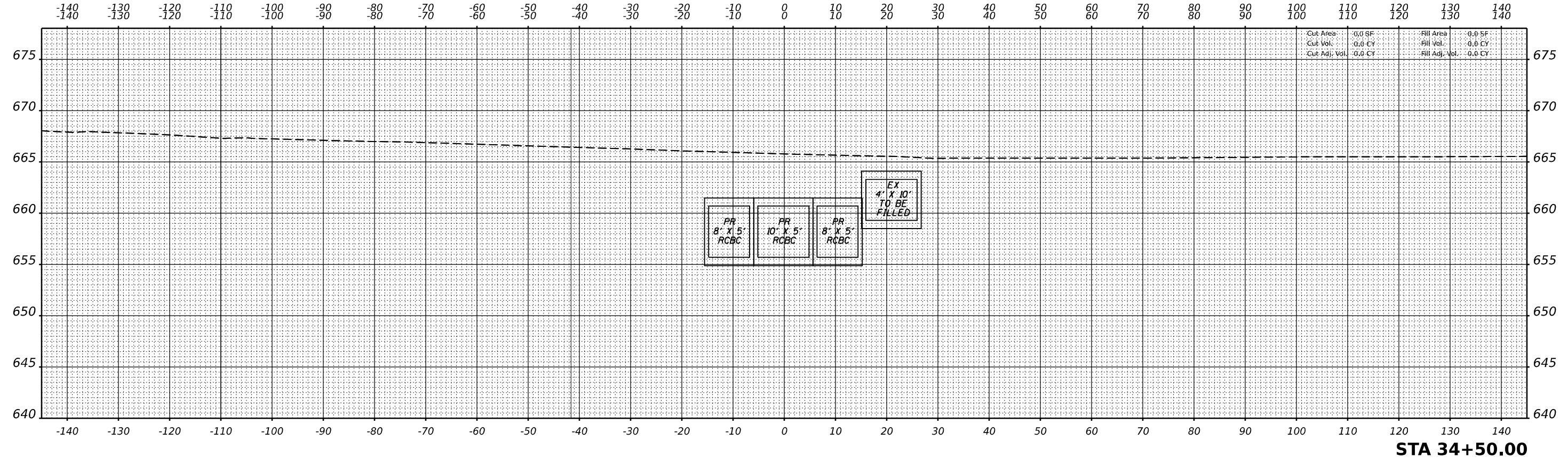
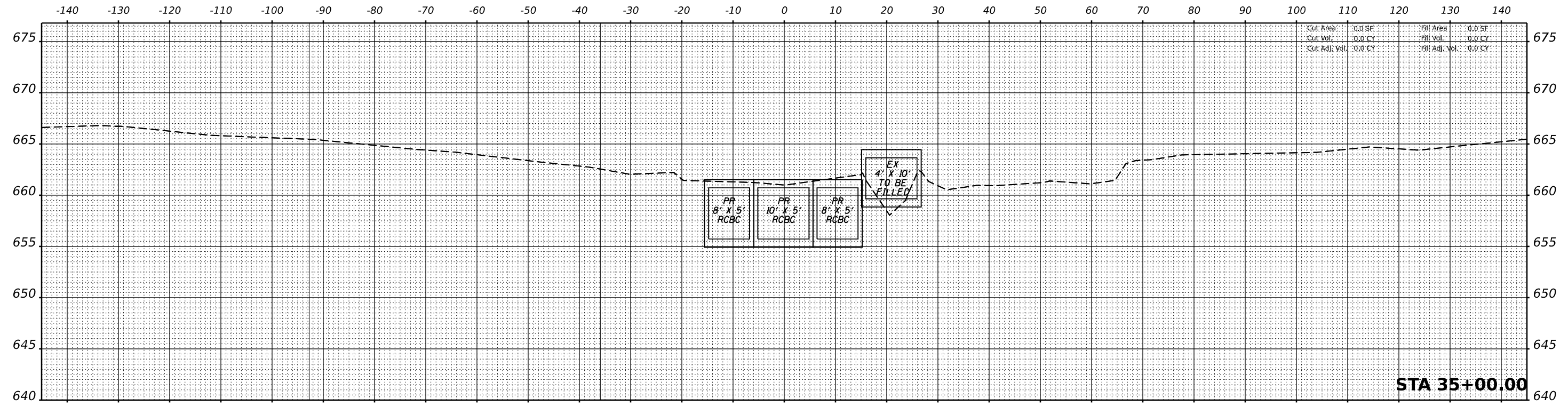
CROSS SECTIONS PROPOSED CHANNEL		
SCALE:	1"=10'(H) 1"=5'(V)	SHEET 13 OF 17 SHEETS
		STA. 33+50.00 TO 34+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	89
			CONTRACT NO. 62M69	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
NO.	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREAS CHECKED	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
NO.	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREAS CHECKED	TEMPLATE
	AREAS
	CHECKED

MODEL: 34+50.00 (Sheet)
 FILE NAME: P:\040298 - IDOT\040298-01-002 (ENG) - FTB 195-016 Phase II for VanEngineering\WO 1 - ILS3-IL3B-500 Drawings\500_CADD Sheets\02\669-sheet\34-RC-channel.dgn



USER NAME = khejtmanek
 PLOT SCALE = 0.1667" / in.
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

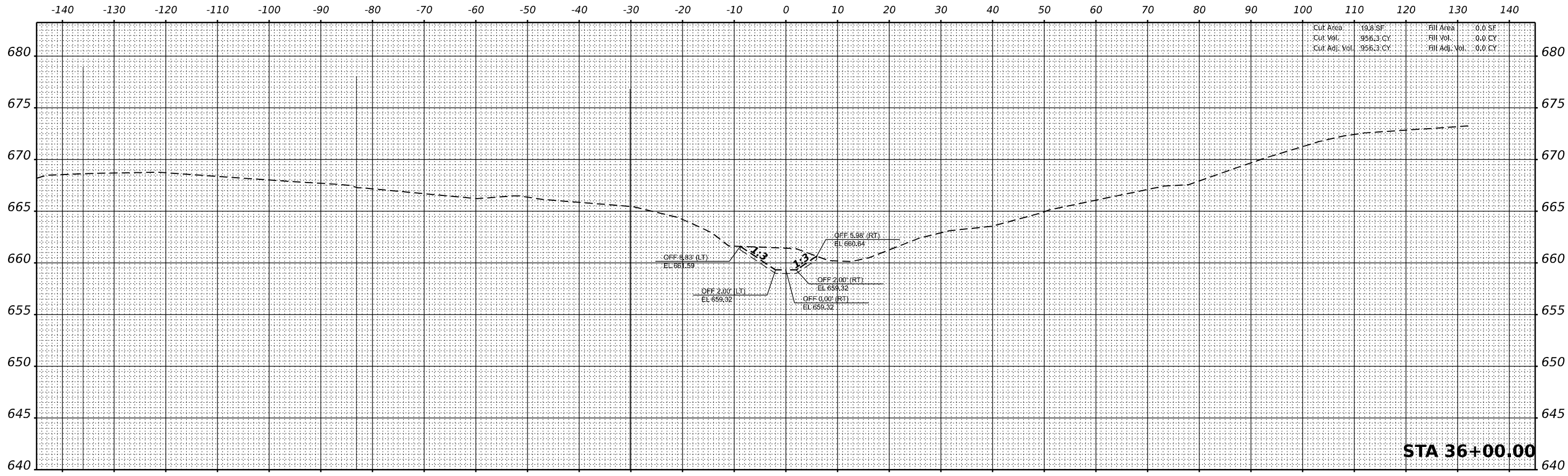
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 PROPOSED CHANNEL
 SCALE: 1"=10'(H)
 1"=5'(V)
 SHEET 14 OF 17 SHEETS
 STA. 34+50.00 TO 35+00.00

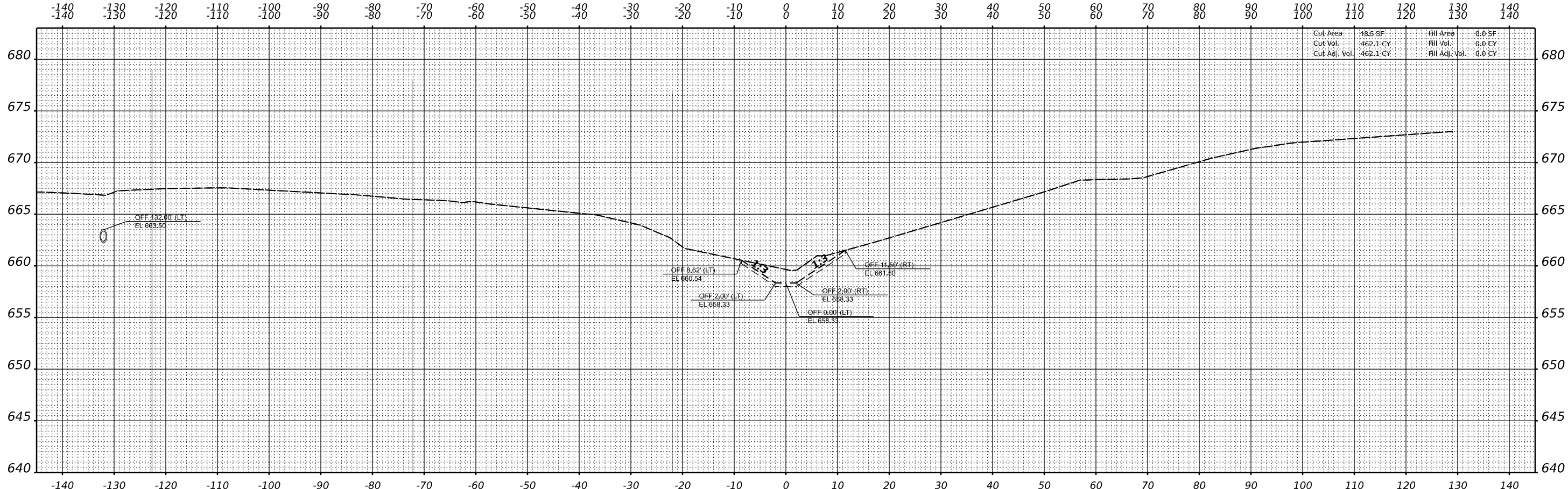
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	90
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



STA 36+00.00

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



STA 35+50.00

MODEL: 35+50.00 (Sheet)
FILE NAME: P:\02028 - I\DOT\040058-01-02 (ENG) - FTB 195-016 Phase II Var VanEngineering\WO 1 - I\3-L\35-50 Drawings\502_CADD Sheets\02\62M69-91-35-50-Channel.dgn



USER NAME = khejtmanek
DESIGNED - KH
DRAWN - KM
CHECKED - AP
DATE - 3/11/2021

DESIGNED - KH
DRAWN - KM
CHECKED - AP
DATE - 3/11/2021

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
PROPOSED CHANNEL**

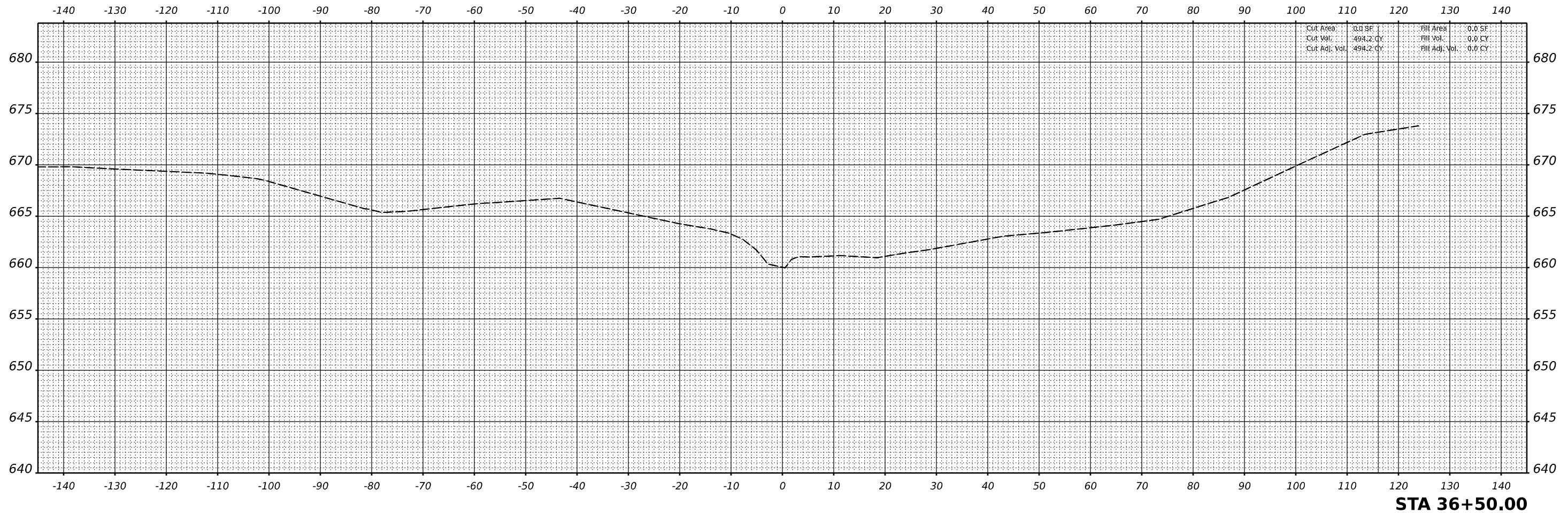
SCALE: 1"=10'(H)
1"=5'(V) SHEET 15 OF 17 SHEETS STA. 35+50.00 TO 36+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	91
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: 36+50.00 (Sheet)
 FILE NAME: P:\02028 - I\DOT\040058-01-002 (ENG) - FB 195-016 Phase II Var VanEngineering\WO 1 - I\B3-1\B350 Drawings\502_CADD Sheets\02\669sheet\502-RC\channel.dgn



STA 36+50.00



USER NAME	= khejtmanek
PLOT SCALE	= 0.1667' / in.
PLOT DATE	= 3/10/2021

DESIGNED	- KH
DRAWN	- KM
CHECKED	- AP
DATE	- 3/11/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 PROPOSED CHANNEL**

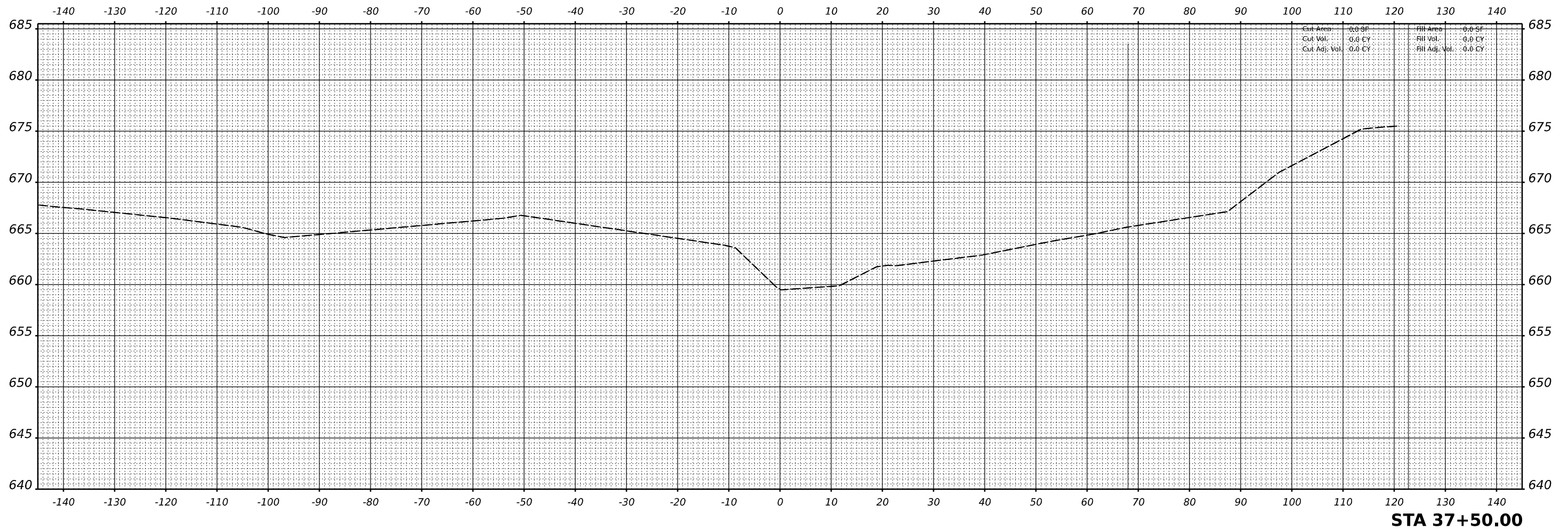
SCALE: 1"=10'(H)
 1"=5'(V) SHEET 16 OF 17 SHEETS STA. 36+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	92
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

MODEL: 37+50.00 (Sheet)
 FILE NAME: P:\040028 - I\DOT\040028-01-002 (ENG) - FB 195-016 Phase II Var VanEngineering\WO 1 - I\B3-LB3500 Drawings\502 CADD Sheets\02\669ent\X5-PC\Channel.dgn



STA 37+50.00



USER NAME	= khejtmanek
PLOT SCALE	= 0.1667' / in.
PLOT DATE	= 3/10/2021

DESIGNED	- KH
DRAWN	- KM
CHECKED	- AP
DATE	- 3/11/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 PROPOSED CHANNEL**

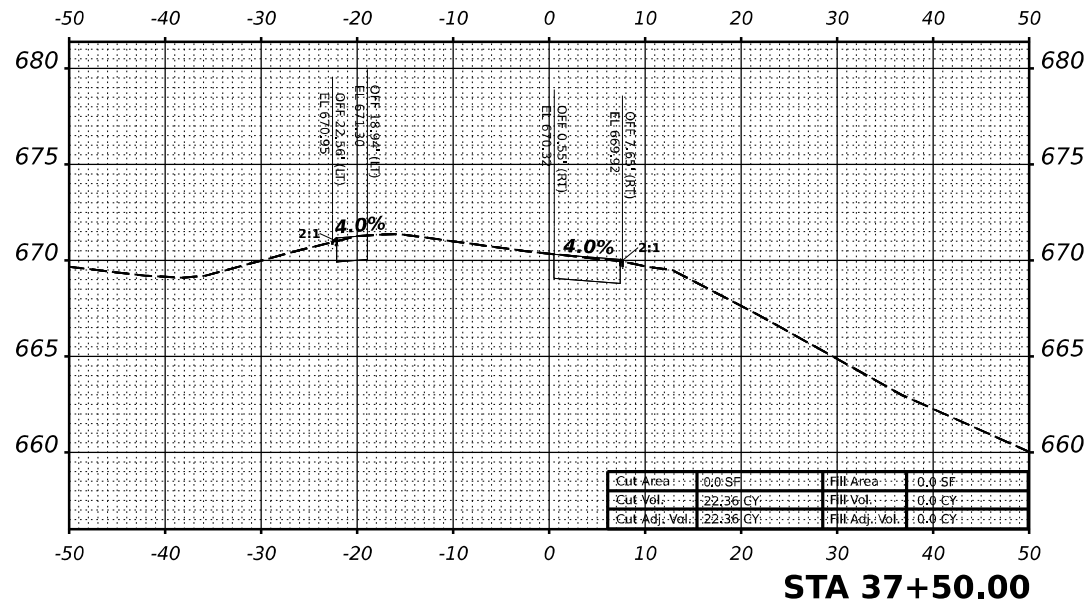
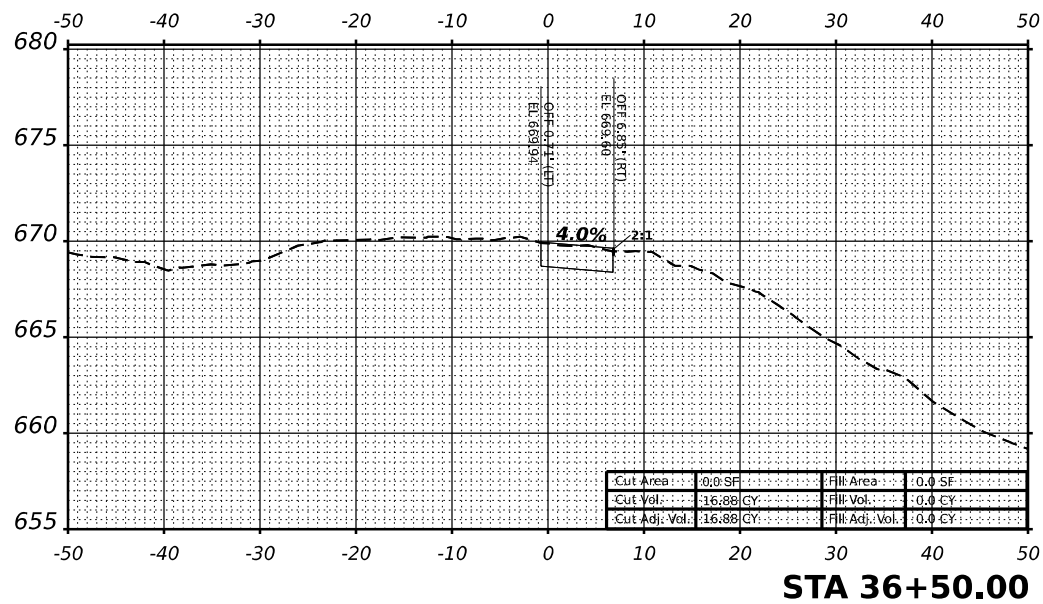
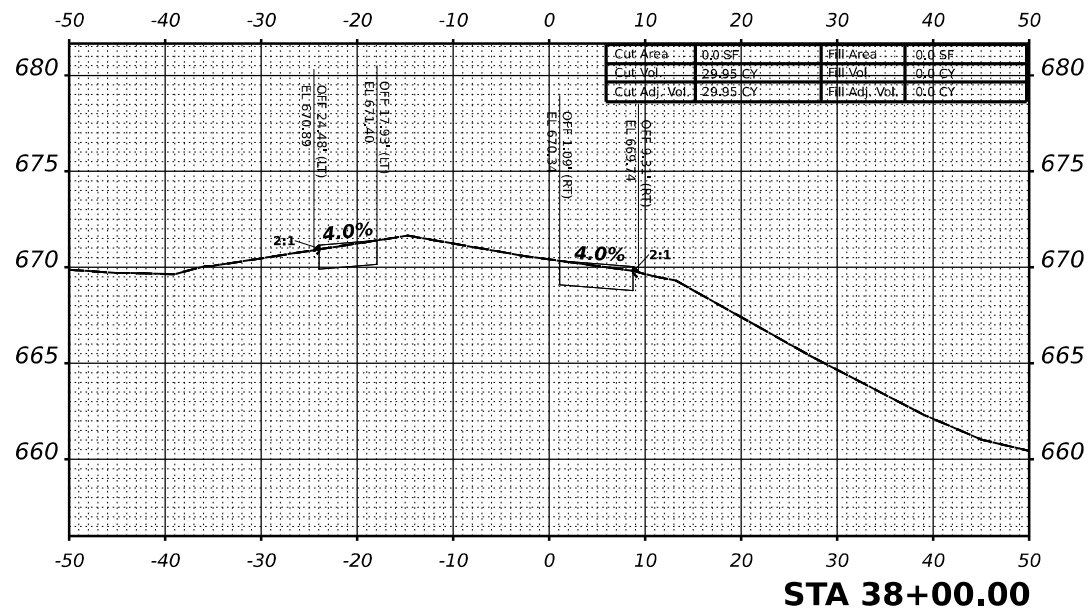
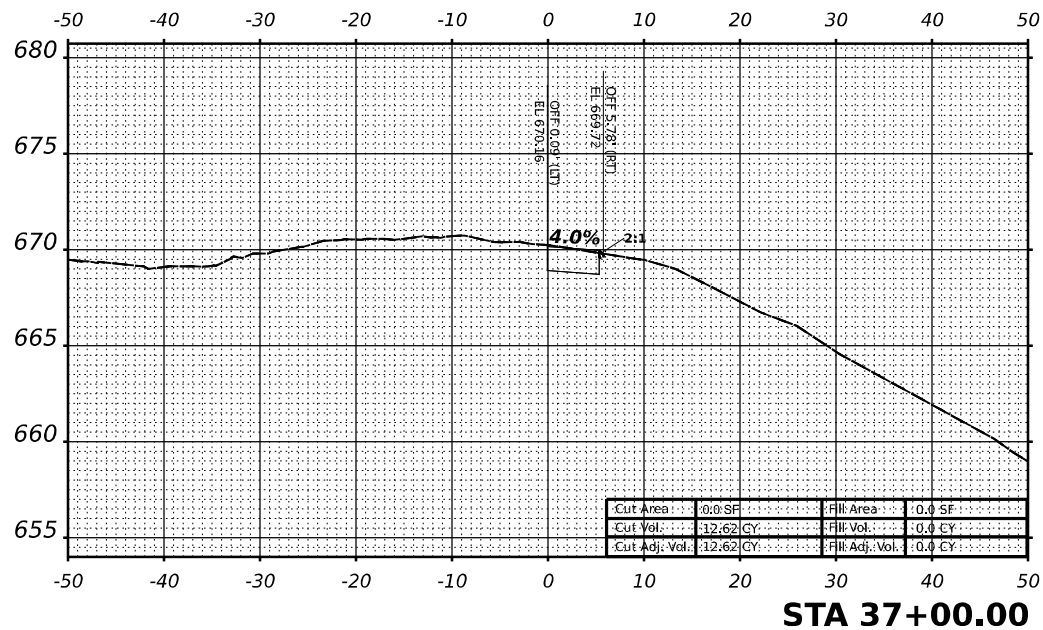
SCALE: 1"=10'(H)
 1"=50'(V) SHEET 17 OF 17 SHEETS STA. 37+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	93
			CONTRACT NO. 62M69	
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: 36+50.00 (Sheet)
 FILE NAME: P:\040298 - IDOT\040058-01-002 (ENG) - FTB 195-016 Phase II Var VanEngineering\W01 - ILL3-IL38-500 Drawings\502_CADD Sheets\02\669-sheet\36-50-temp\PaVe.dgn



311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-454-0360
 www.bowmanconsulting.com

USER NAME = khejtmanek
 PLOT SCALE = 0.16666633 1/16"
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NB RAMP
 TEMPORARY PAVEMENT

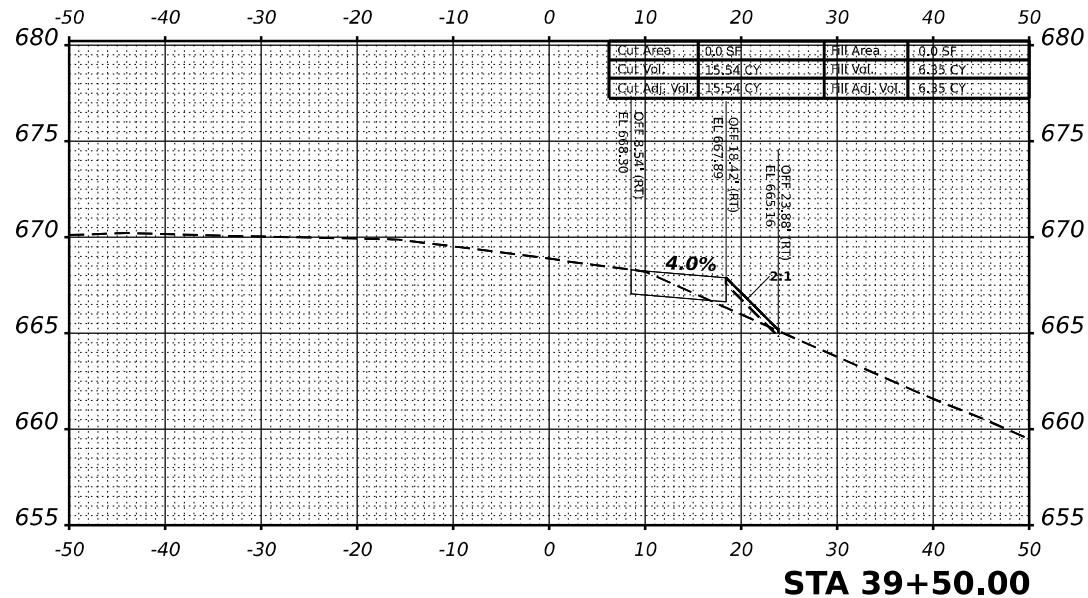
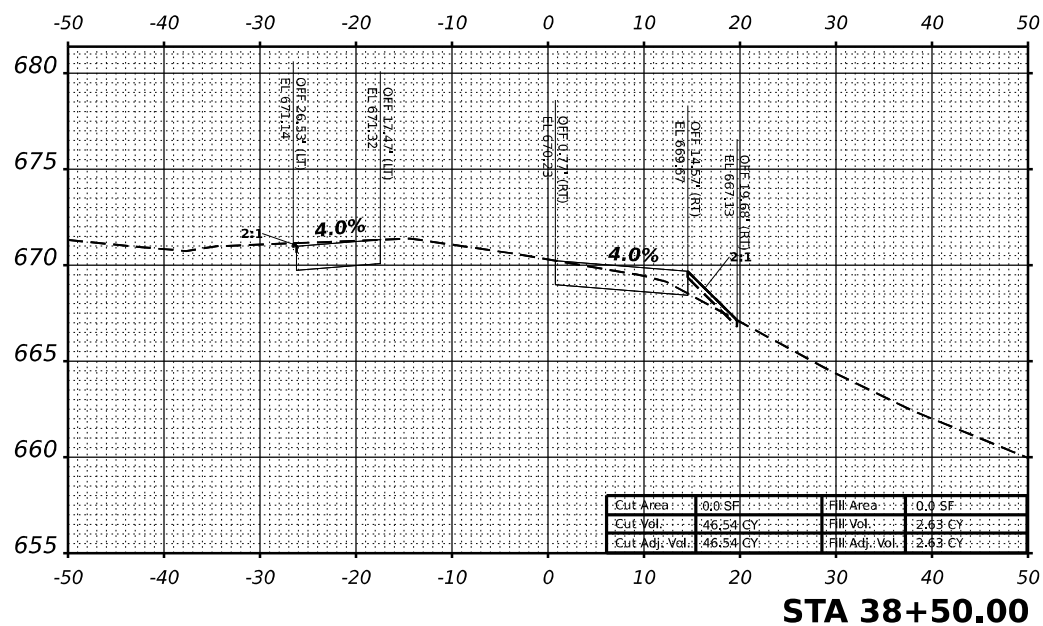
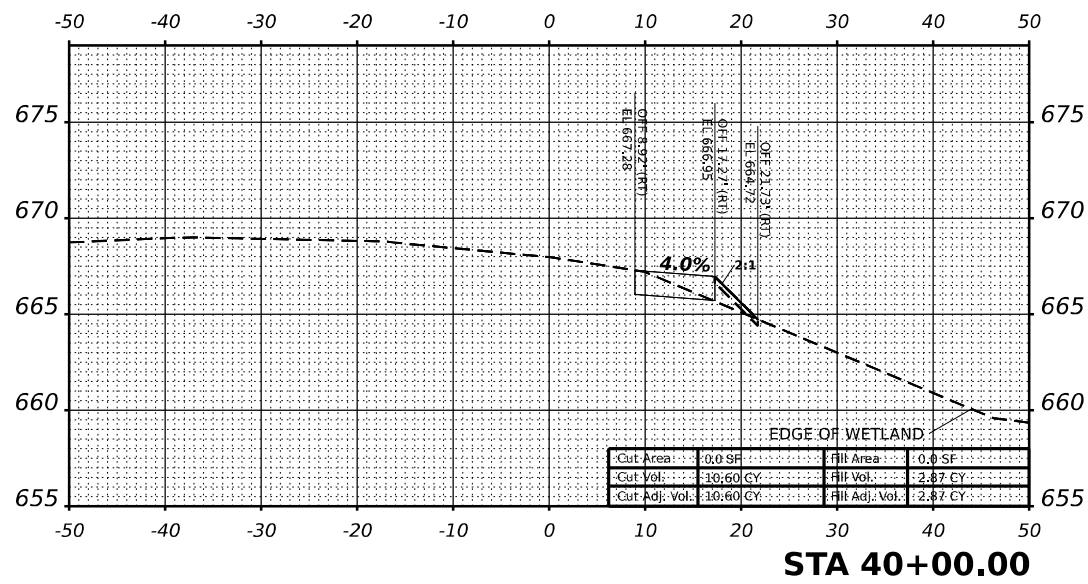
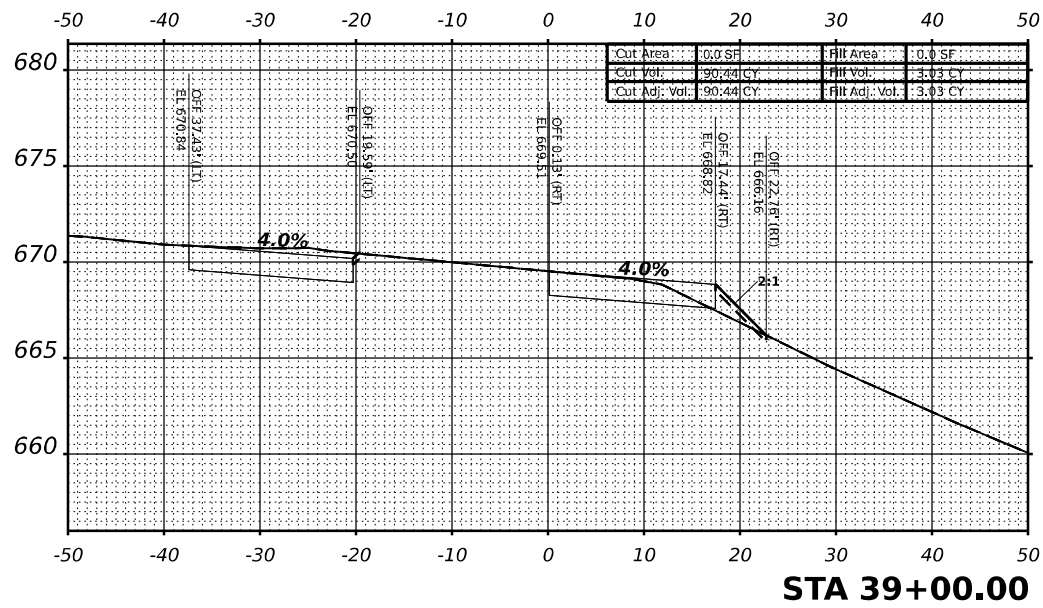
SCALE: 1"=10'(H)
 1"=5'(V)
 SHEET 1 OF 9 SHEETS STA. 36+50.00 TO 38+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	94
				CONTRACT NO. 62M69
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: 38+50.00 (Sheet)
 FILE NAME: P:\040298 - IDOT\040056-01-002 (ENG) - FB 195-016 Phase II Var\Engineering\W01 - ILS\1138500 Drawings\502_CADD Sheets\02\69-ent\X-5-temp\PaVe.dgn



USER NAME = khejtmanek
 PLOT SCALE = 0.16666633 "/in.
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NB RAMP
 TEMPORARY PAVEMENT

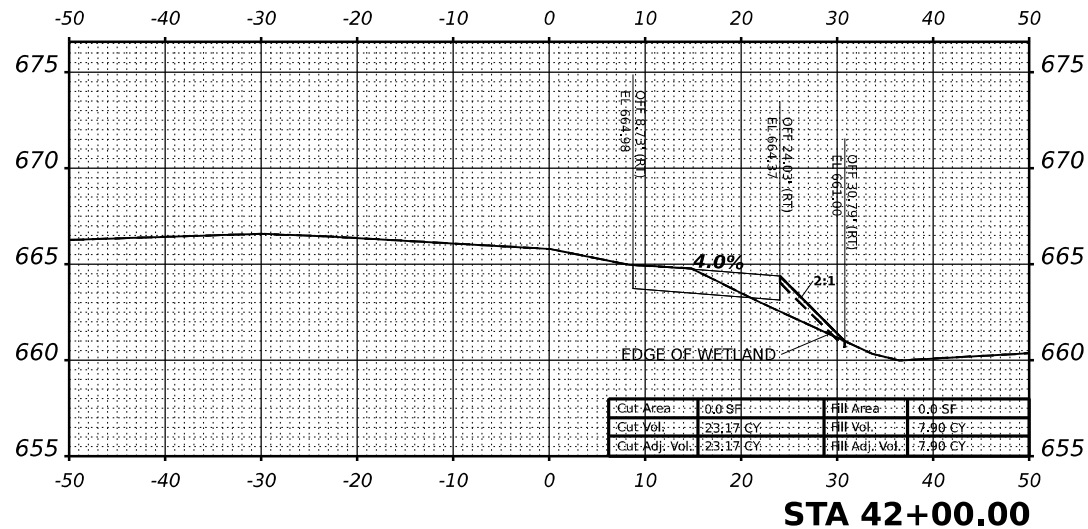
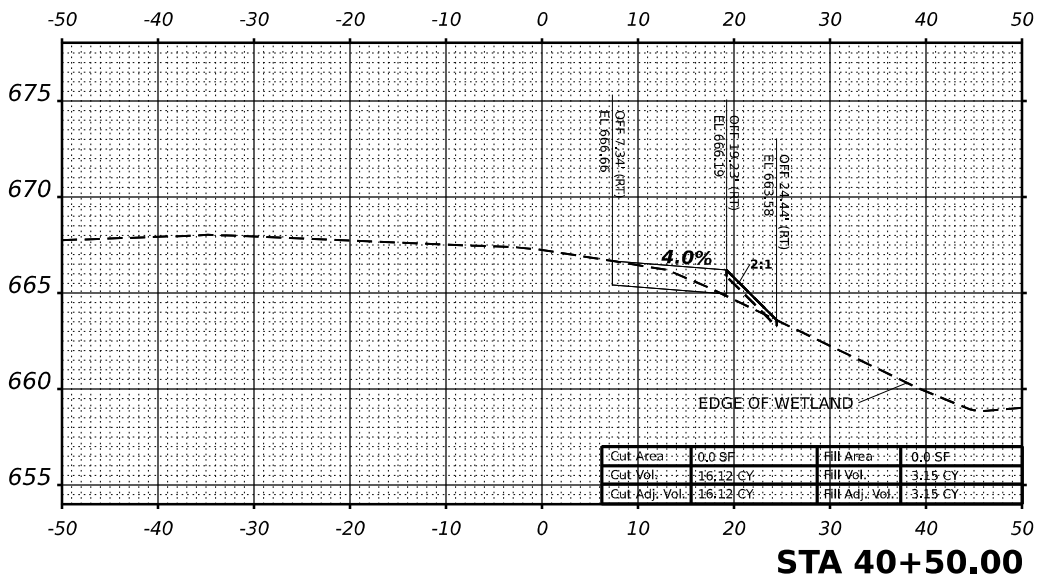
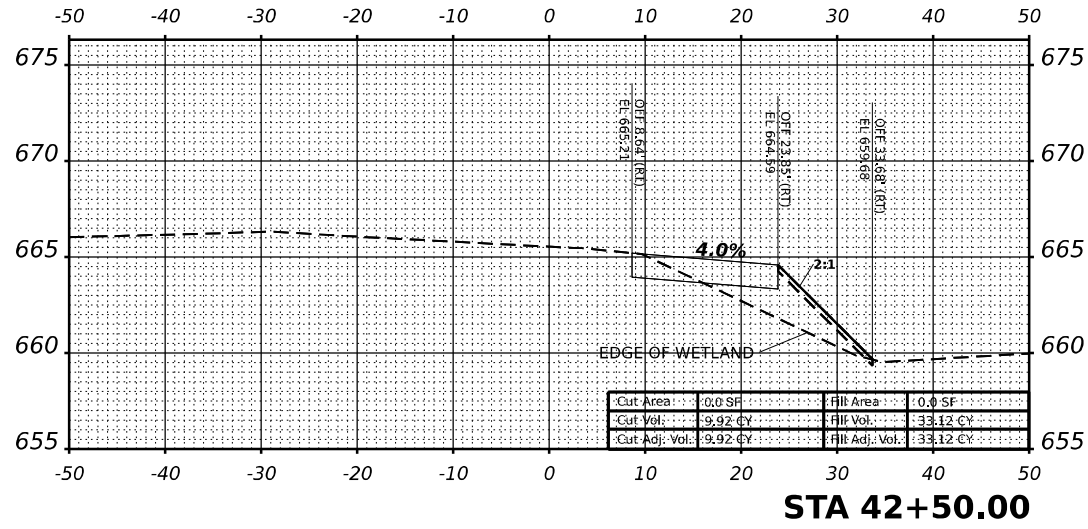
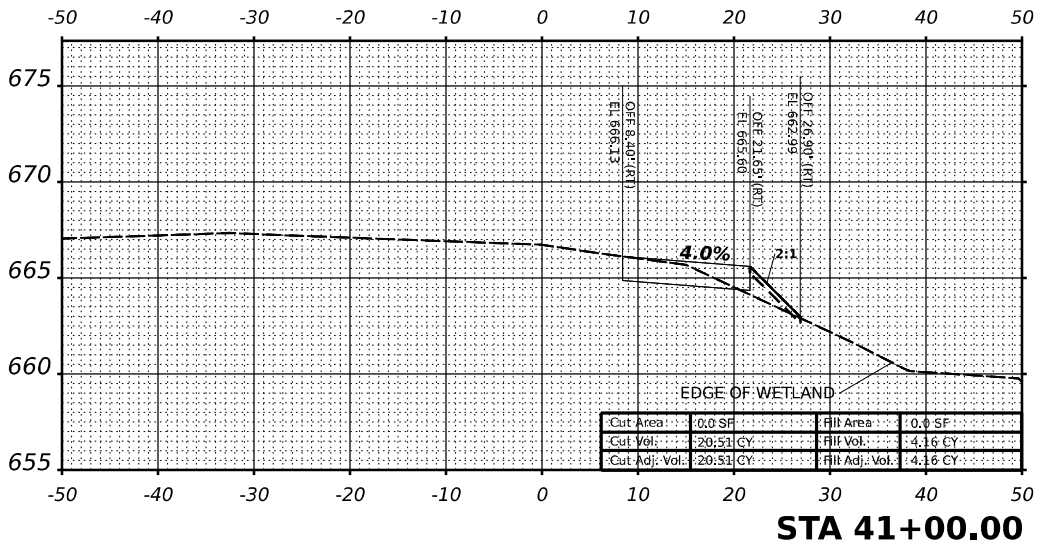
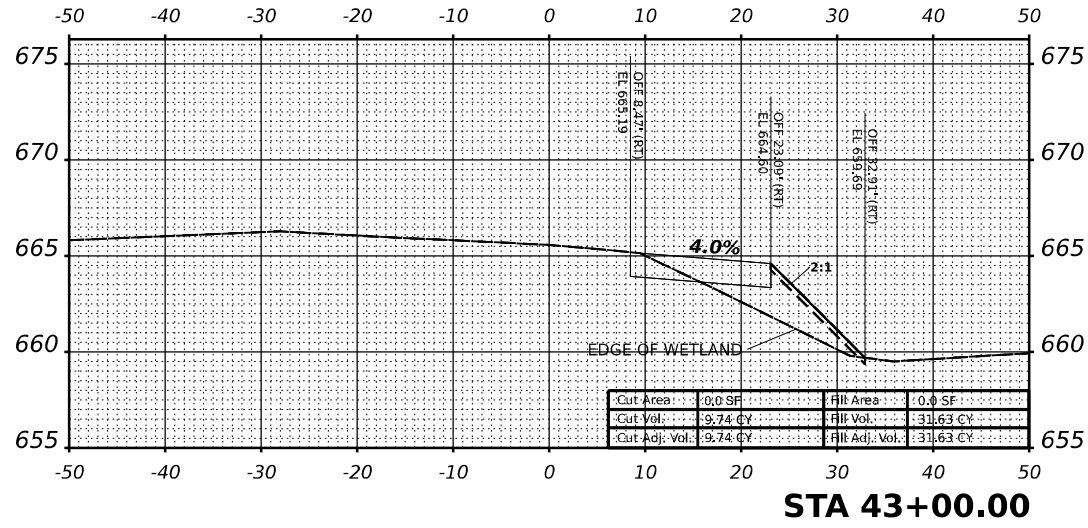
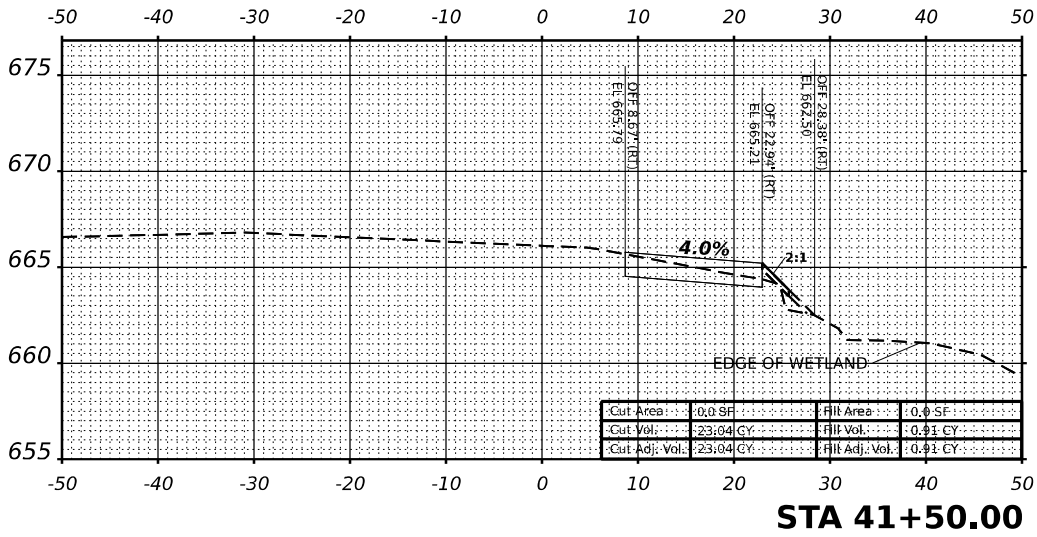
SCALE: 1"=10'(H)
 1"=50'(V)
 SHEET 2 OF 9 SHEETS
 STA. 38+50.00 TO 40+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	95
				CONTRACT NO. 62M69
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: 40+50.00 (Sheet)
 FILE NAME: P:\04029 - DOT\04029-01-02 (ENG) - FTB 195-016 Phase II for VanEngineering\W01 - ILS\1138500 Drawings\502 CADD Sheets\02M69\Sheet34-emp\PaVe.dgn



USER NAME = khejtmanek
 PLOT SCALE = 0.16666633 "/in.
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NB RAMP
 TEMPORARY PAVEMENT

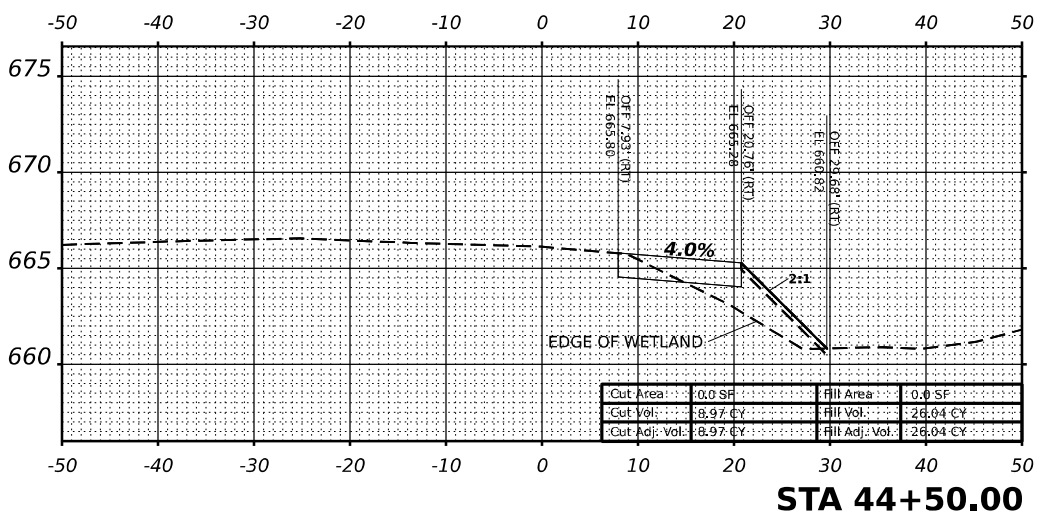
SCALE: 1"=10'(H)
 1"=25'(V)
 SHEET 3 OF 9 SHEETS
 STA. 40+50.00 TO 43+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	96
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

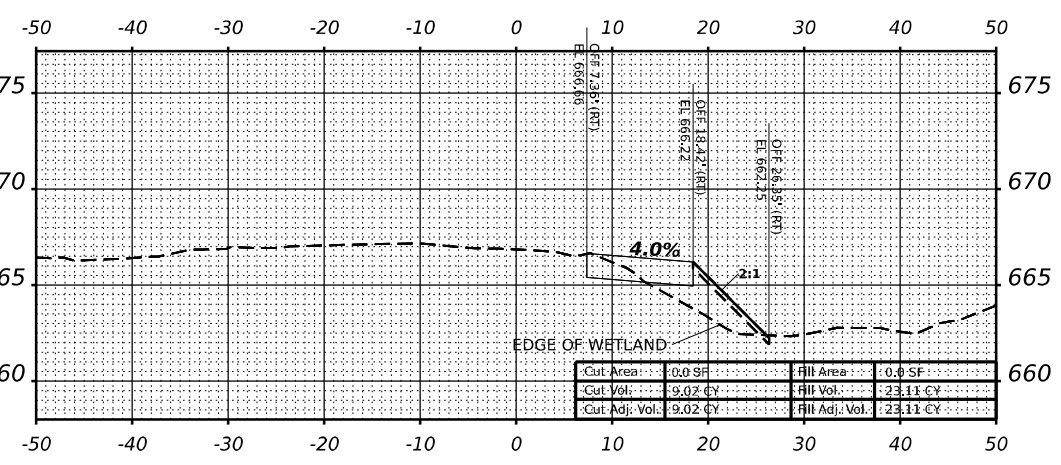
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

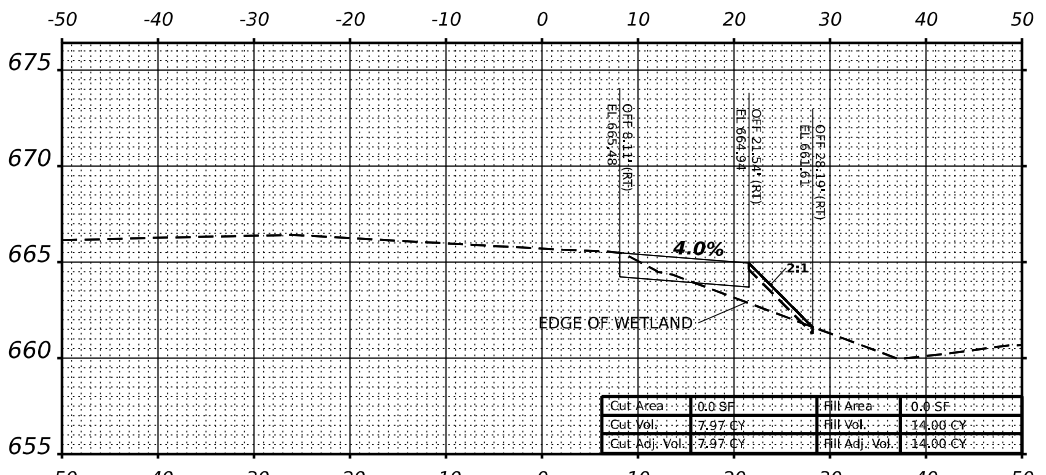
MODEL: 43+50.00 (Sheet)
 FILE NAME: P:\04029 - DOT\04029-01-02 (ENG) - PB 195-016 Phase II Var\Engineering\WO 1 - ILS\1138\500 Drawings\502 CADD Sheets\02 M69\sheet\43+50+00.dwg



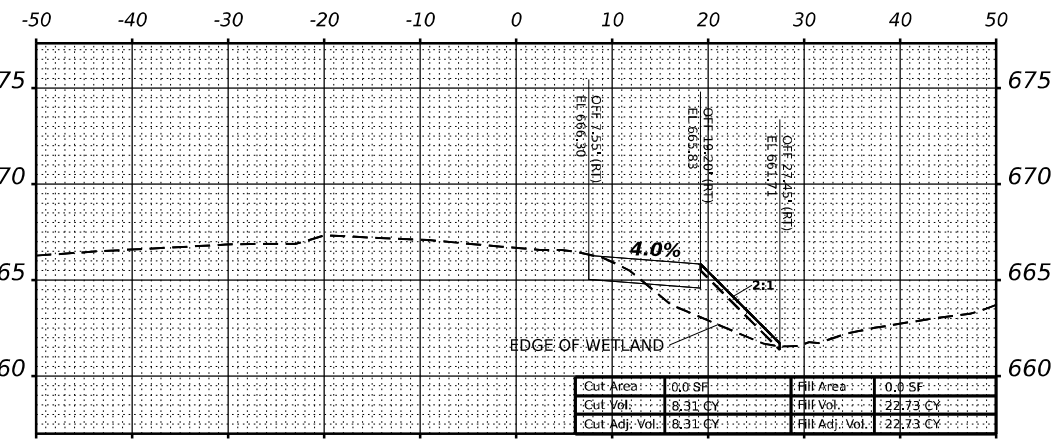
STA 44+50.00



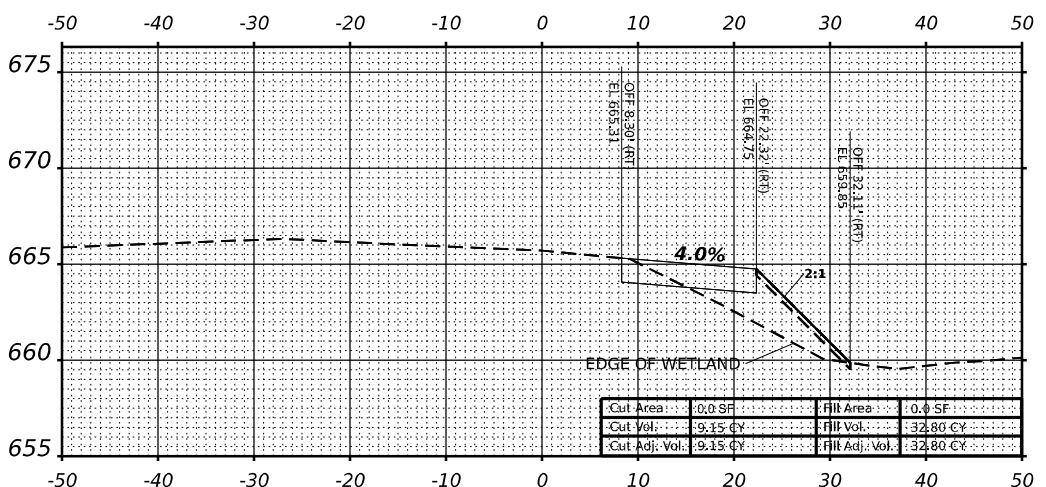
STA 46+00.00



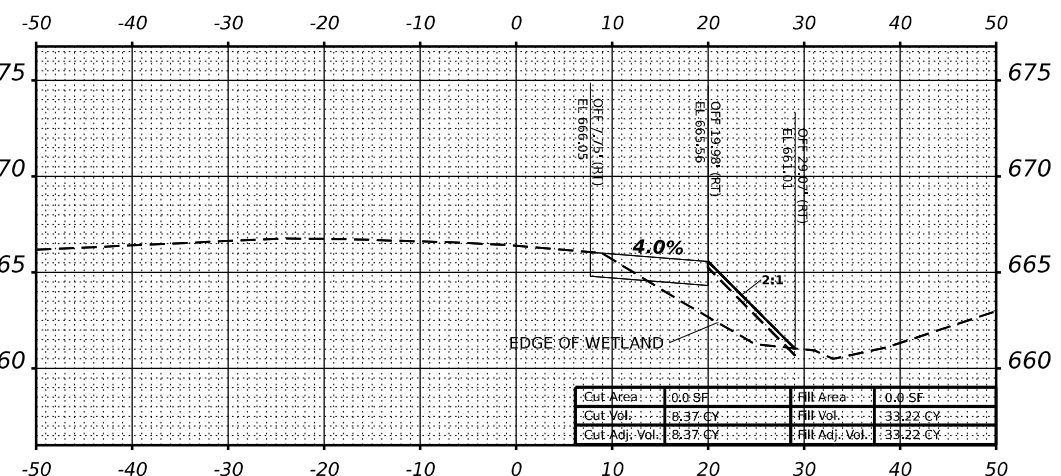
STA 44+00.00



STA 45+50.00



STA 43+50.00



STA 45+00.00



USER NAME	= khejtmanek
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 3/10/2021

DESIGNED	- KH
DRAWN	- KM
CHECKED	- AP
DATE	- 3/11/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - NB RAMP
 TEMPORARY PAVEMENT**

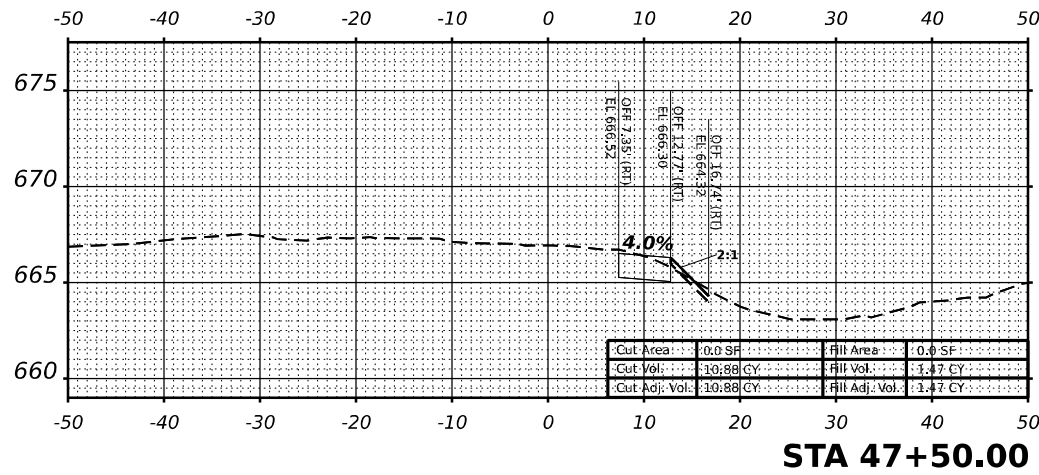
SCALE: 1"=10'(H)
 1"=5'(V) SHEET 4 OF 9 SHEETS STA. 43+50.00 TO 46+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	97
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

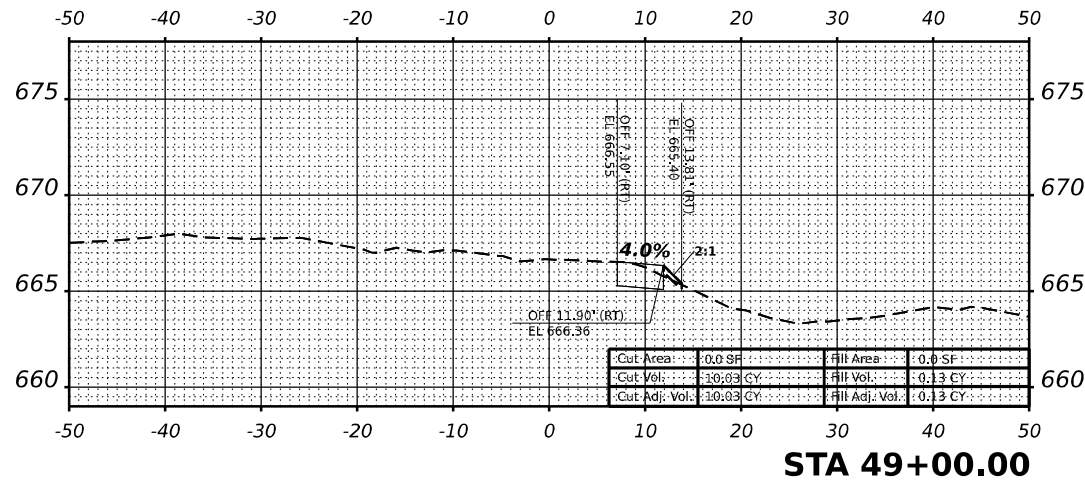
FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

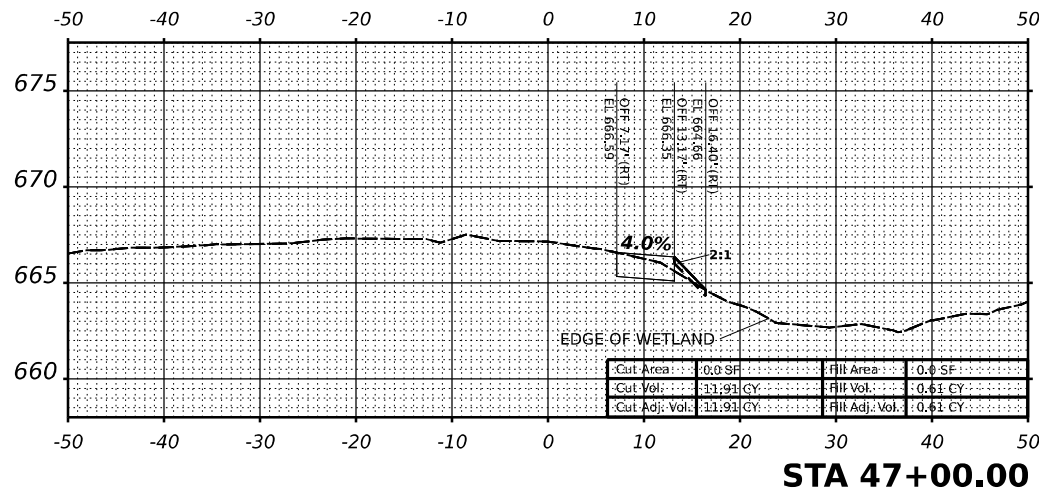
MODEL: 46+50.00 (Sheet)
 FILE NAME: P:\02028 - DOT\040056-01-002 (ENG) - FTB 19-0-016 Phase II Var\Engineering\W01 - ILS\113550 Drawings\502 CADD Sheets\02\669ent\502-temp\PaVe.dgn



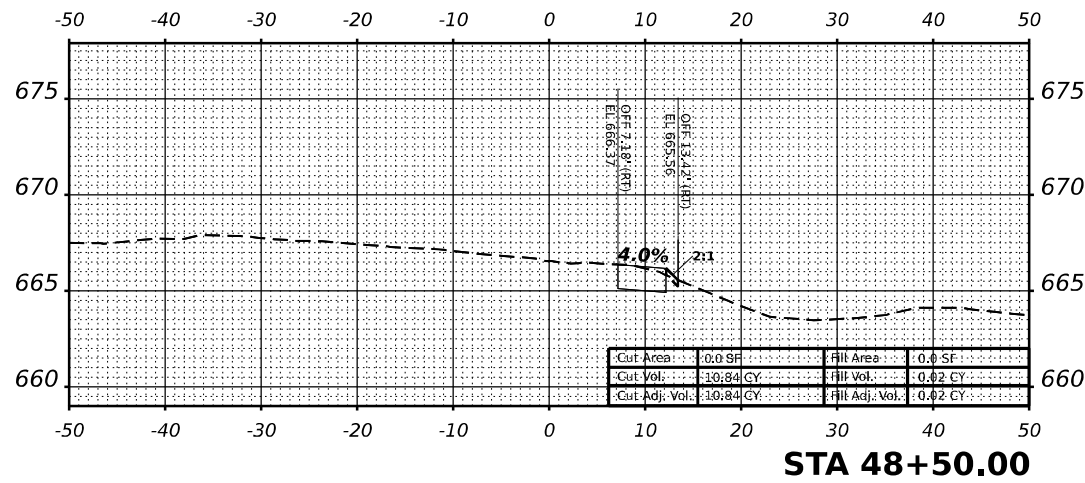
STA 47+50.00



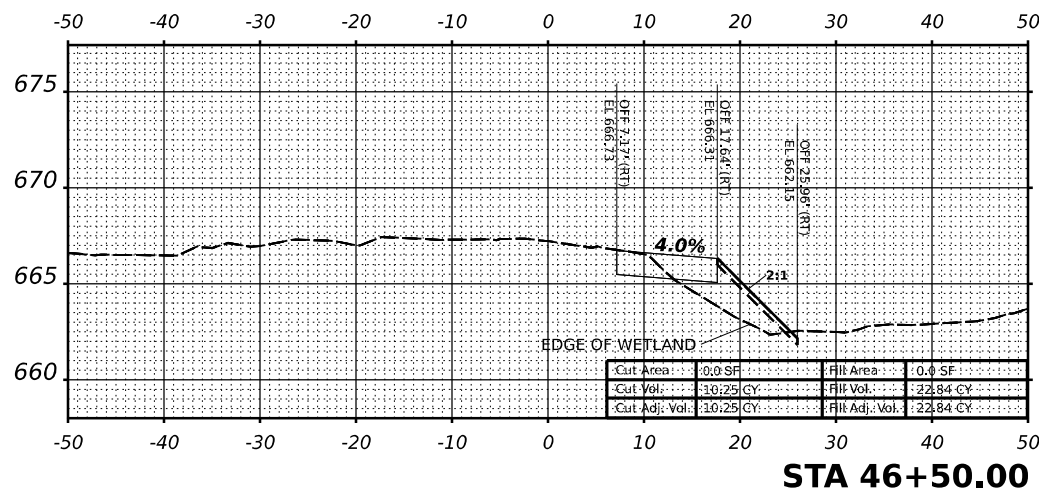
STA 49+00.00



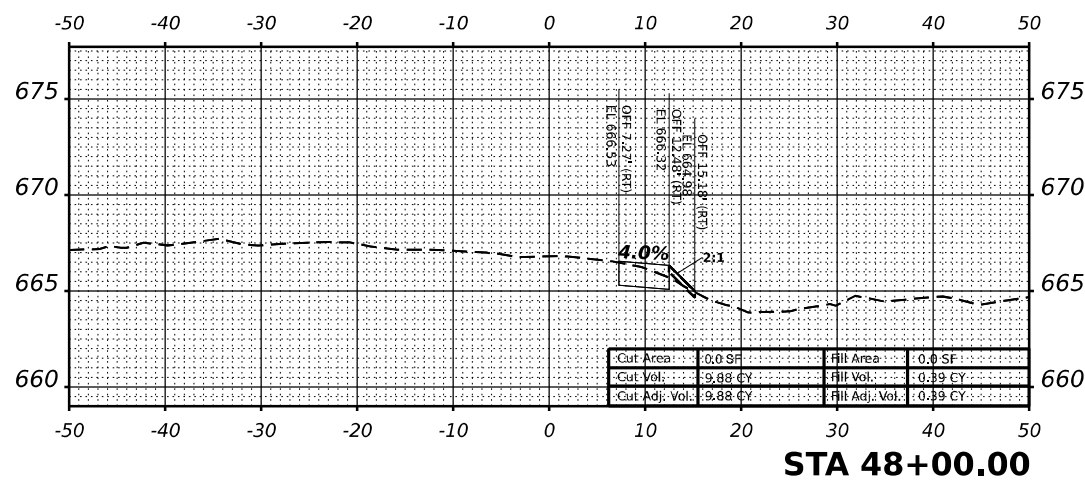
STA 47+00.00



STA 48+50.00



STA 46+50.00



STA 48+00.00



USER NAME = khejtmanek
 PLOT SCALE = 0.16666633 1/ in.
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NB RAMP
 TEMPORARY PAVEMENT

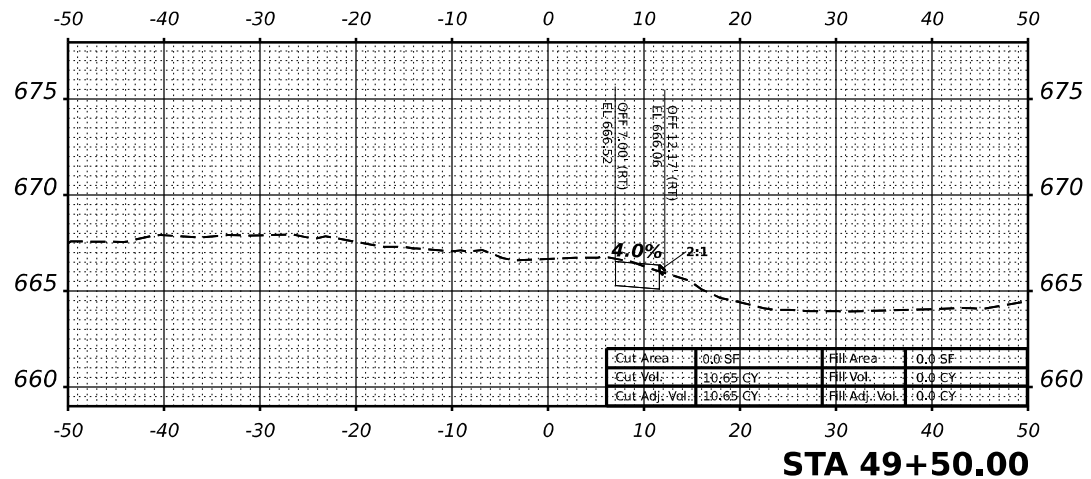
SCALE: 1"=10'(H)
 1"=35'(V)
 SHEET 5 OF 9 SHEETS
 STA. 46+50.00 TO 49+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	98
				CONTRACT NO. 62M69
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: 49+50.00 (Sheet)
 FILE NAME: P:\02028 - I\DOT\040058-01-002 (ENG) - FTB 195-016 Phase II Var\Engineering\WC 1 - I\B3\13\500 Drawings\502 CADD Sheets\02\69sheet\2-tempPave.dgn



311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-454-0360
 www.bowmanconsulting.com

USER NAME = khejtmanek	DESIGNED - KH	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN - KM	REVISED -
PLOT DATE = 3/10/2021	CHECKED - AP	REVISED -
	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NB RAMP
 TEMPORARY PAVEMENT

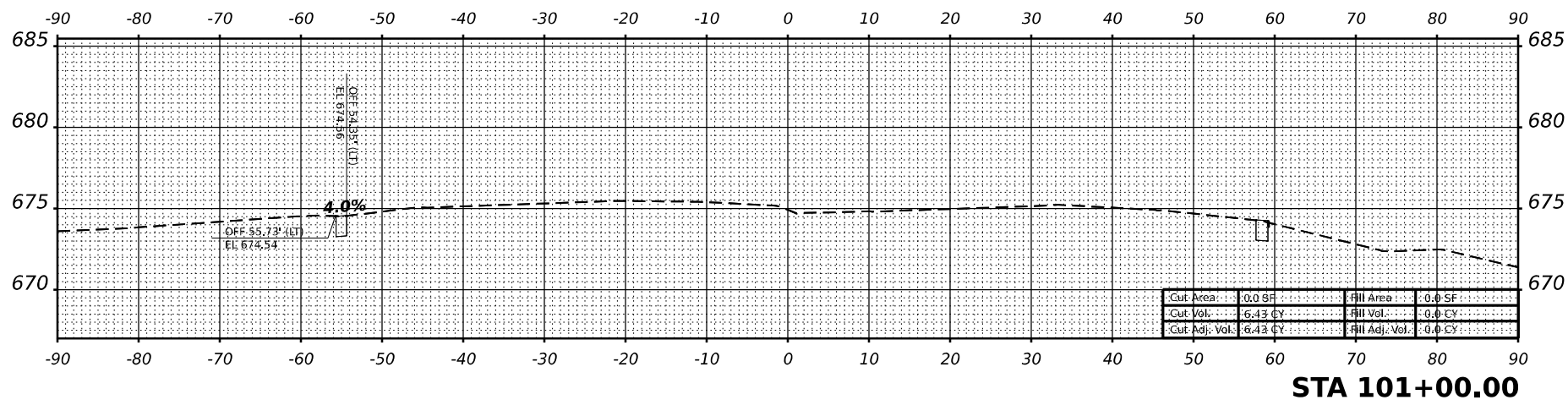
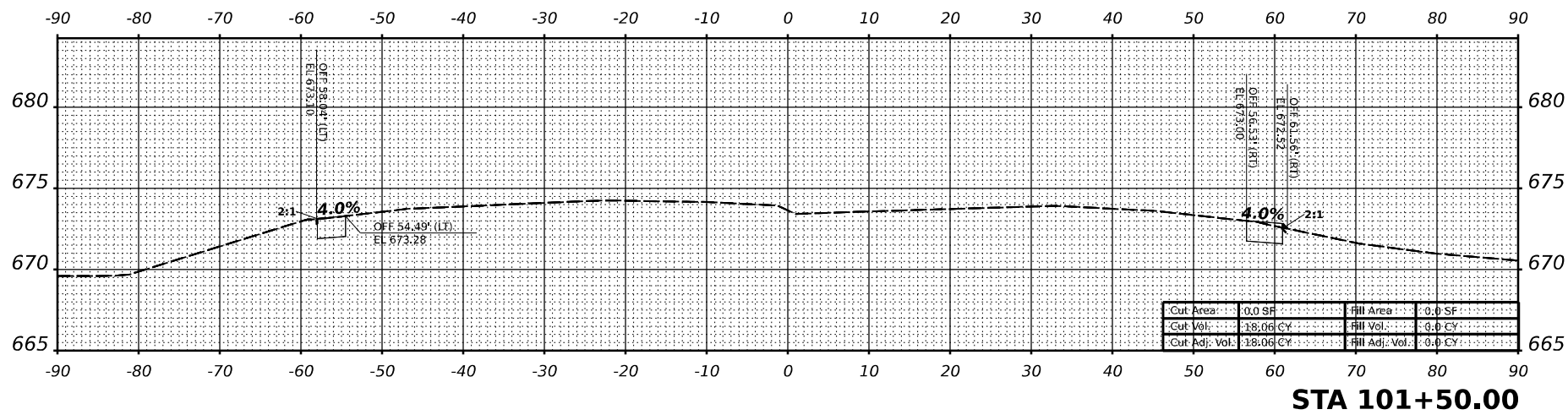
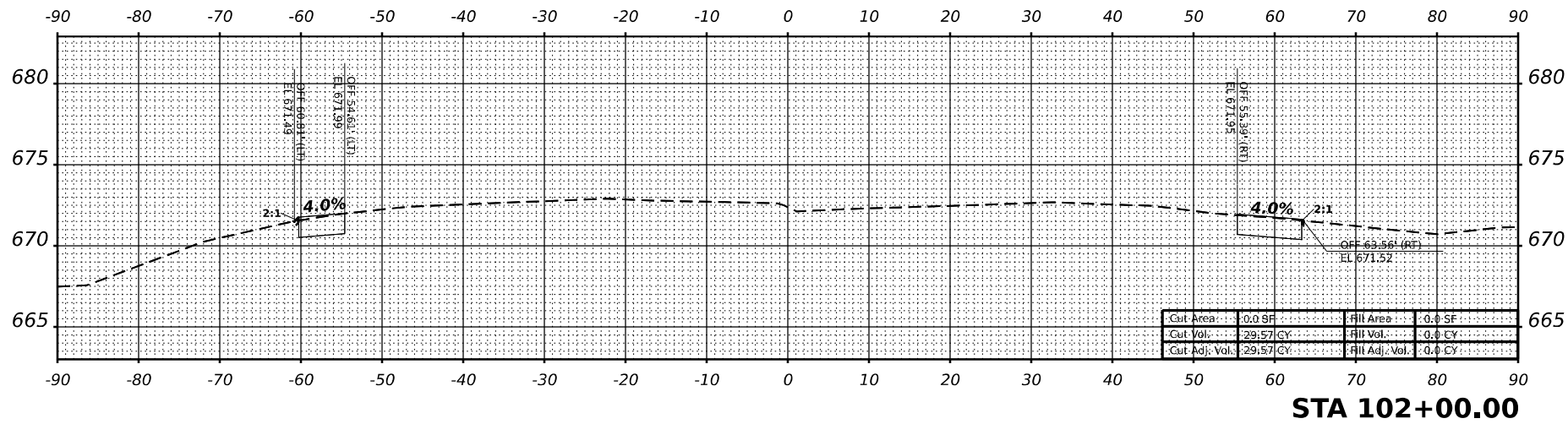
SCALE: 1"=10'(H)
 1"=5'(V) SHEET 6 OF 9 SHEETS STA. 49+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	99
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
NO.	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
NO.	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

MODEL: CL_101+00 (5 sheet)
 FILE NAME: P:\040298 - I010400058-01-002 (ENG) - P19-0-016 Phase II Var Engineering\WO 1 - IL83-IL39-500 Drawings\502_CADD Sheets\02-M69-ent-502-temp-Pave.dgn



USER NAME = khejtmanek
 DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021
 PLOT SCALE = 0.16666633 1/16"
 PLOT DATE = 3/10/2021

DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

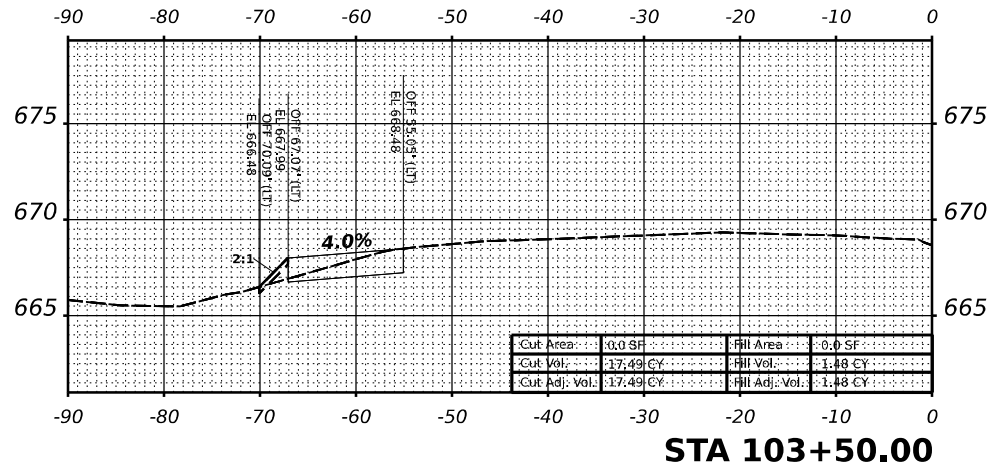
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - CL IL83
 TEMPORARY PAVEMENT

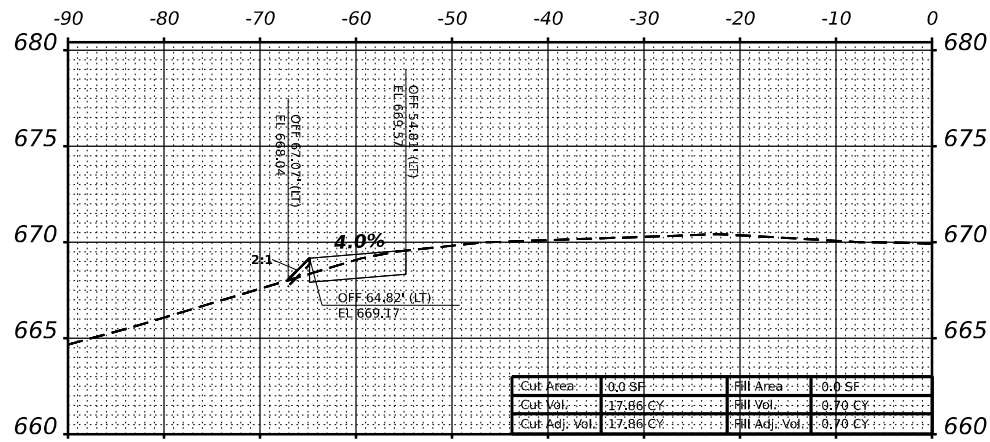
SCALE: 1"=10'(H)
 1"=5'(V)
 SHEET 7 OF 9 SHEETS STA. 101+00.00 TO 102+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	100
				CONTRACT NO. 62M69
				ILLINOIS FED. AID PROJECT

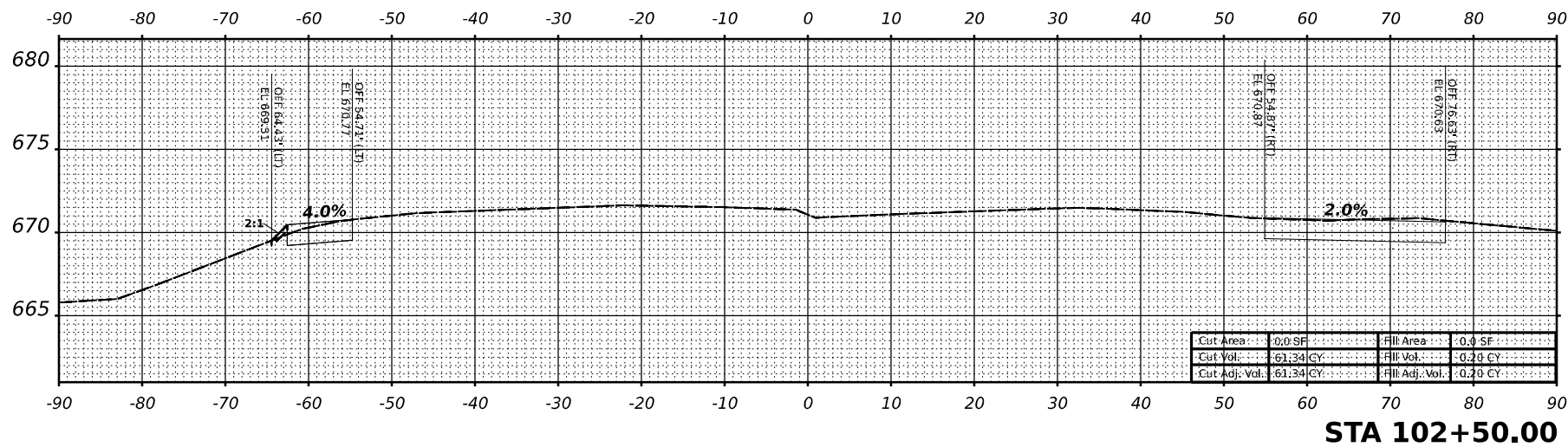
FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



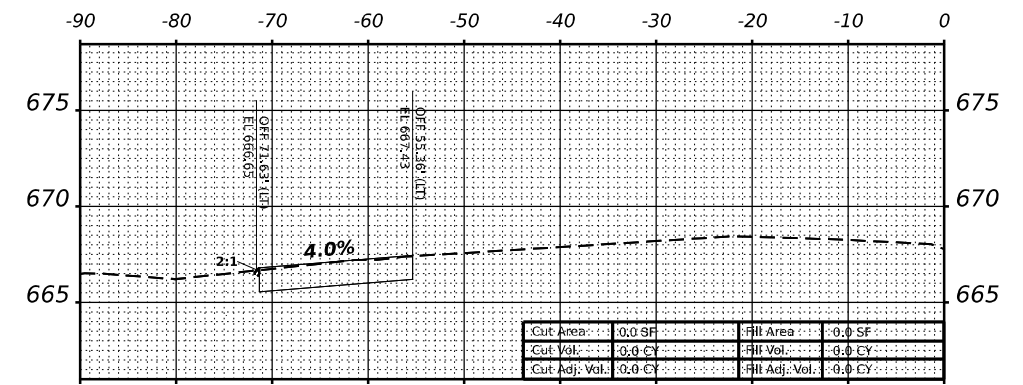
STA 103+50.00



STA 103+00.00



STA 102+50.00



STA 104+00.00

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: CL_102+50 (Sheet)
 FILE NAME: P:\04029 - 1001040056-01-002 (ENG) - FTB 195-016 Phase II Var VarEngineering\W01 - IL83-IL38-500 Drawings\502 CADD Sheets\02 M69sheet5-empPave.dgn



USER NAME = khejtmanek
 DESIGNED - KH
 DRAWN - KM
 CHECKED - AP
 DATE - 3/11/2021
 PLOT SCALE = 0.16666633 1/16"
 PLOT DATE = 3/10/2021

REVISER -
 REVISION -
 REVISER -
 REVISION -
 REVISER -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - CL IL83
 TEMPORARY PAVEMENT

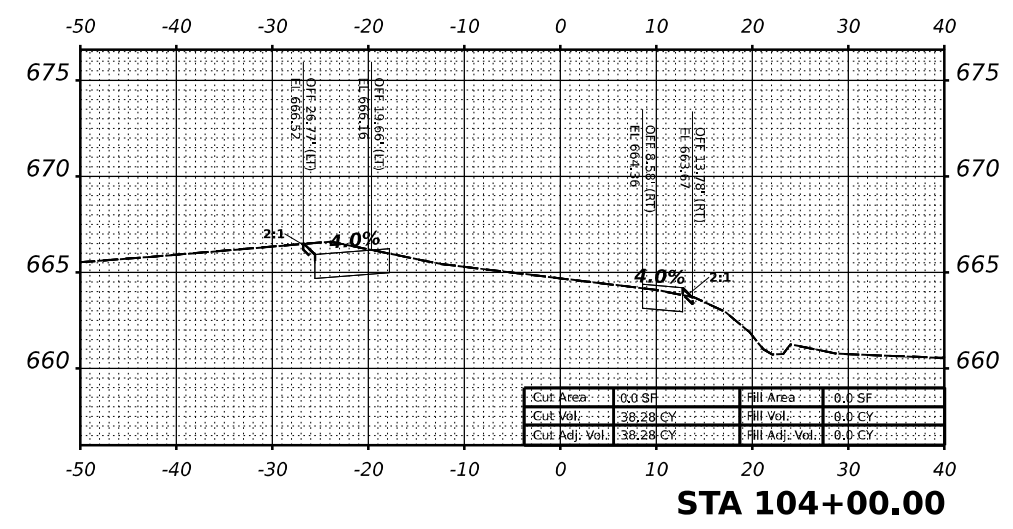
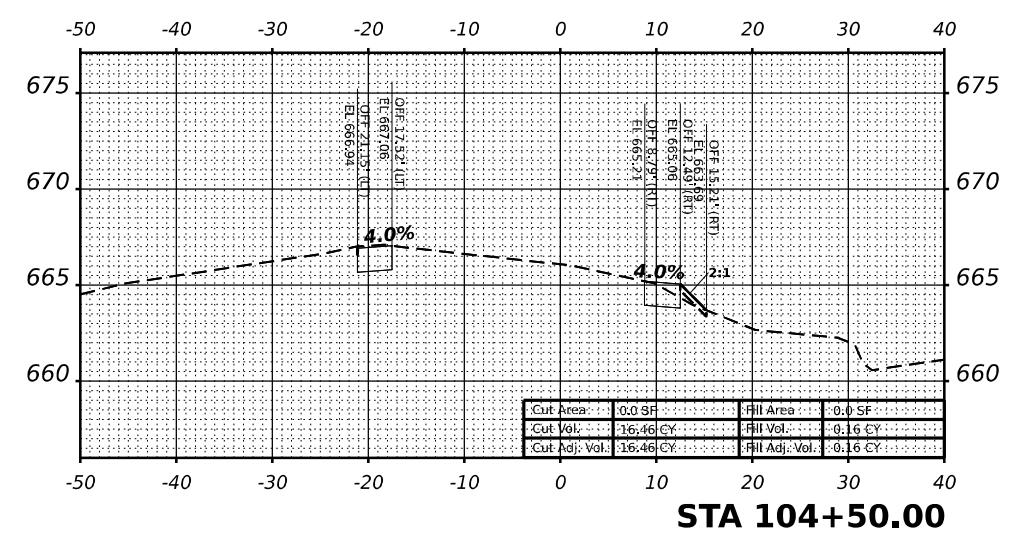
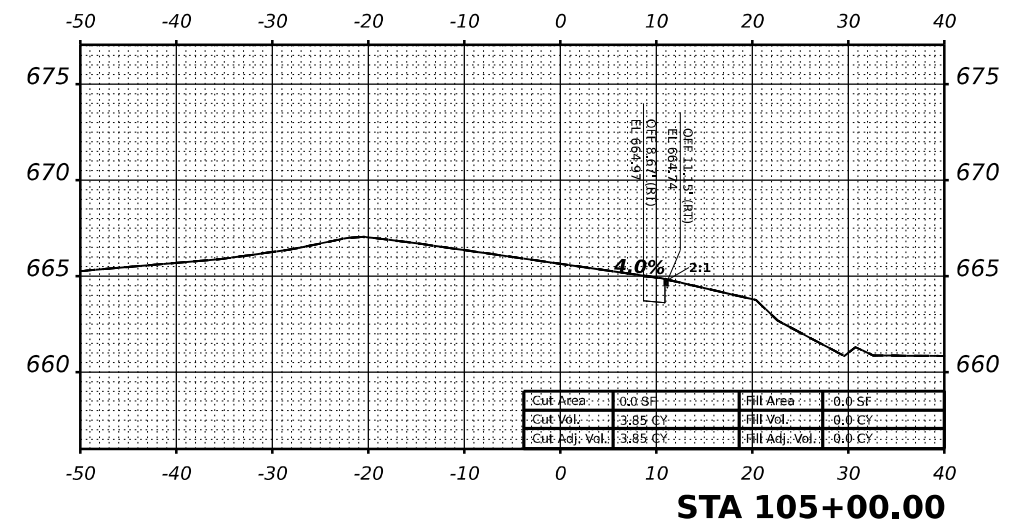
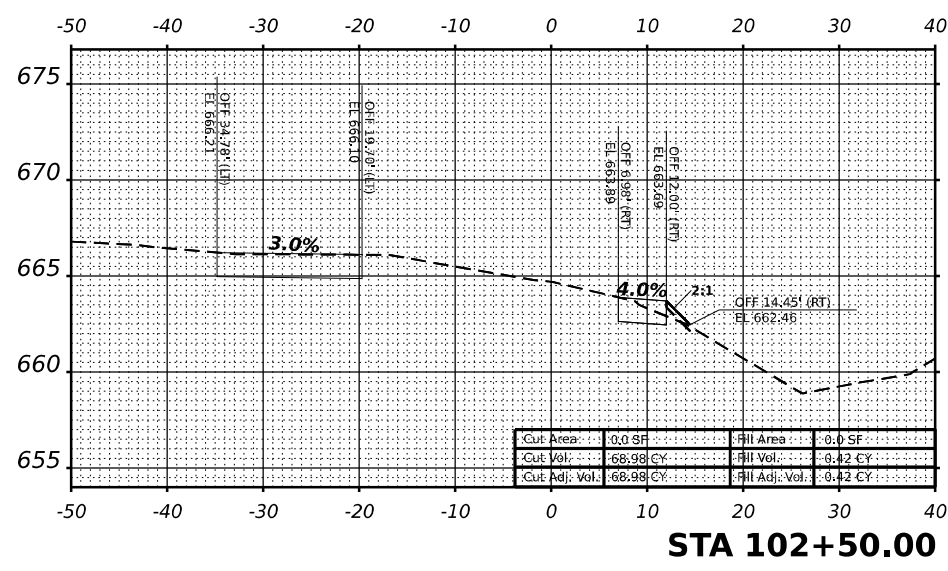
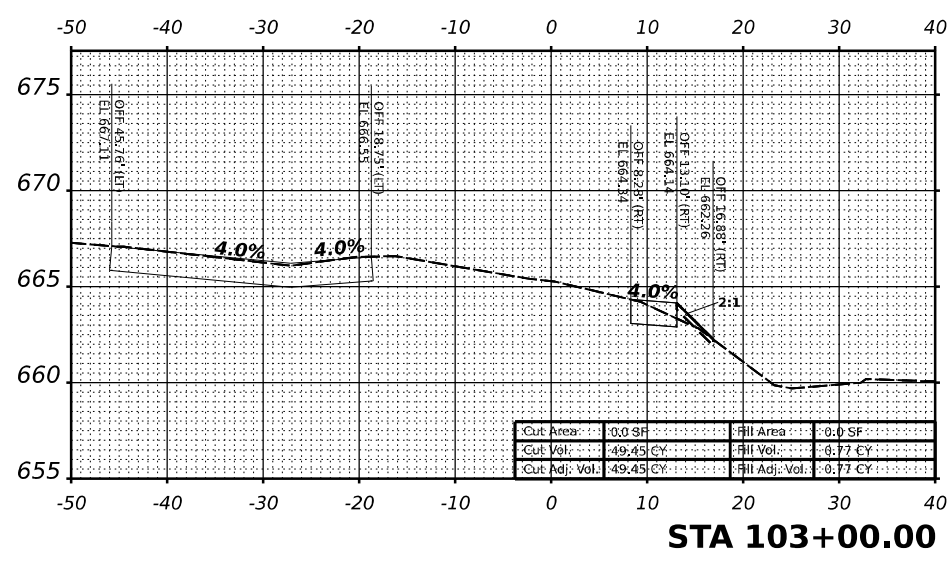
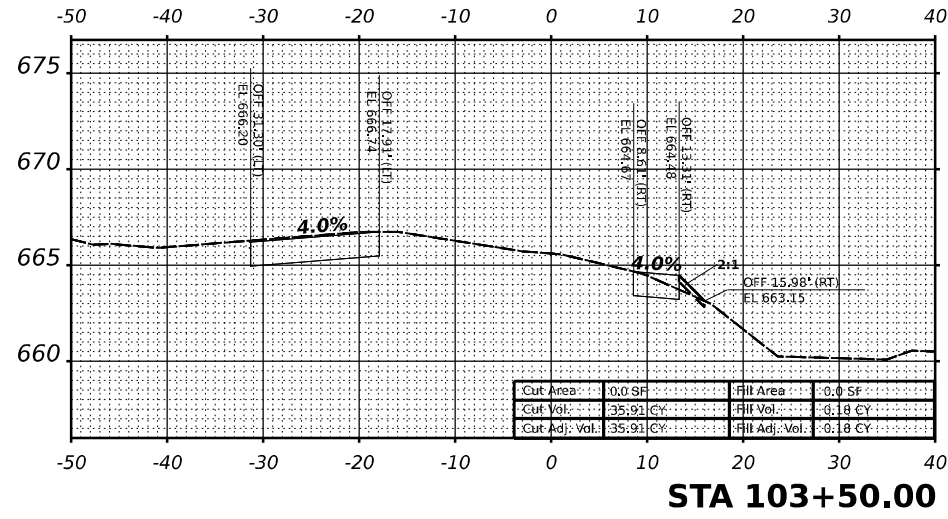
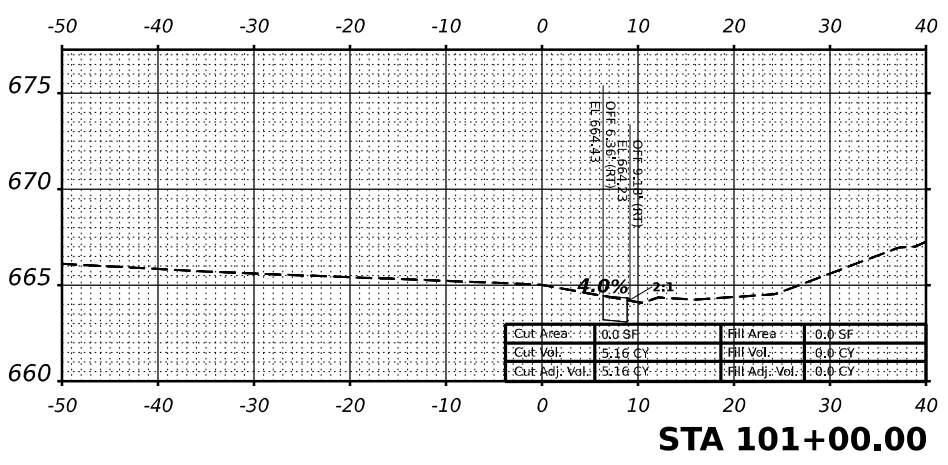
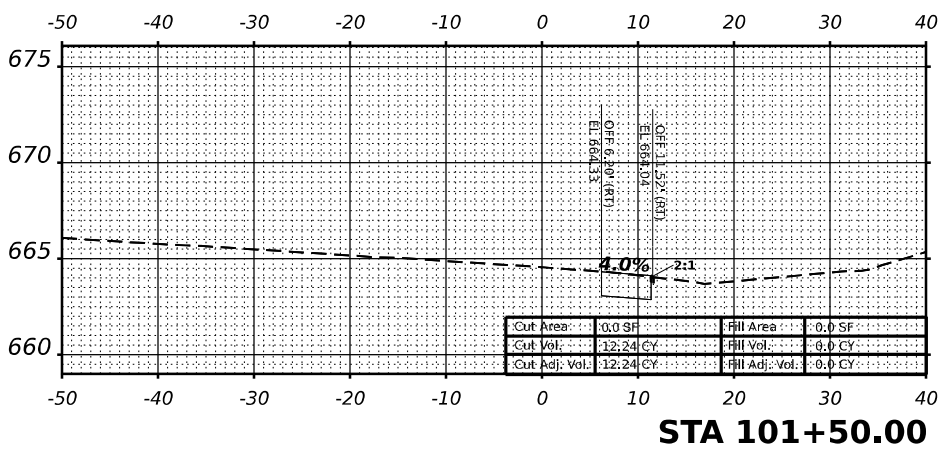
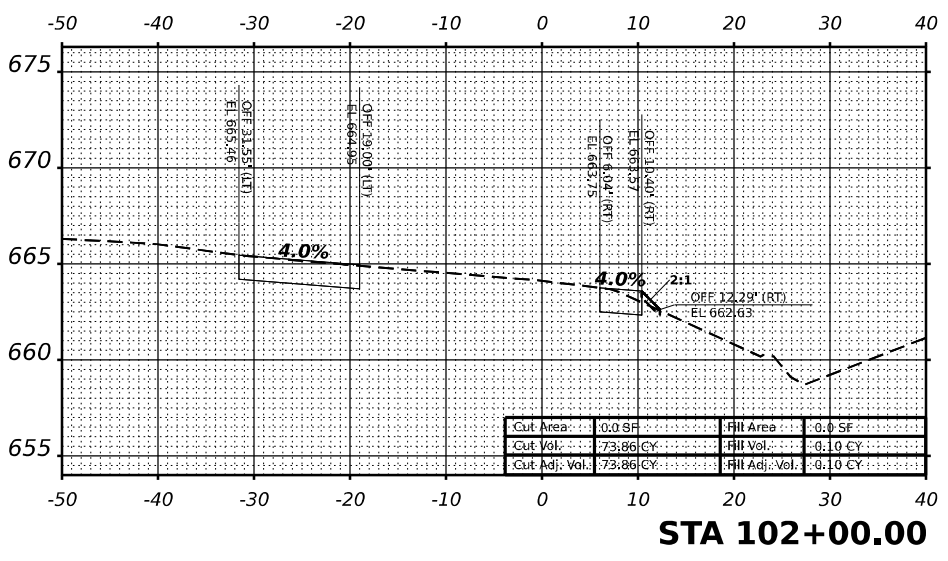
SCALE: 1"=10'(H)
 1"=5'(V)
 SHEET 8 OF 9 SHEETS
 STA. 102+50.00 TO 104+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	101
				CONTRACT NO. 62M69
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

MODEL: SB 101-100 (Sheet)
 FILE NAME: P:\04029 - 101040058-01-002 (ENG) - FB 195-016 Phase II Var VanEngineering\W01 - LB3-1L3B500 Drawings\502_CADD Sheets\02M69-sb-ramp-Pave.dgn



USER NAME	= khejtmanek
DESIGNED	- KH
DRAWN	- KM
PLLOT SCALE	= 0.16666633 "/td>
CHECKED	- AP
PLLOT DATE	= 3/10/2021
DATE	- 3/11/2021

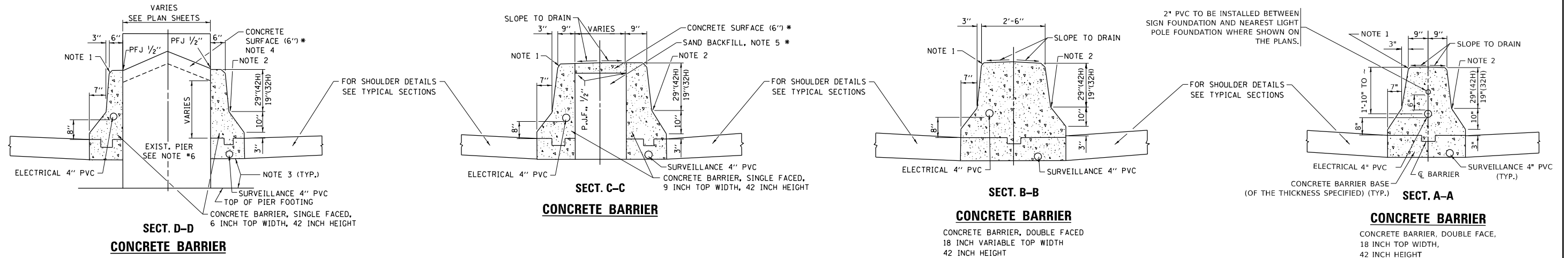
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

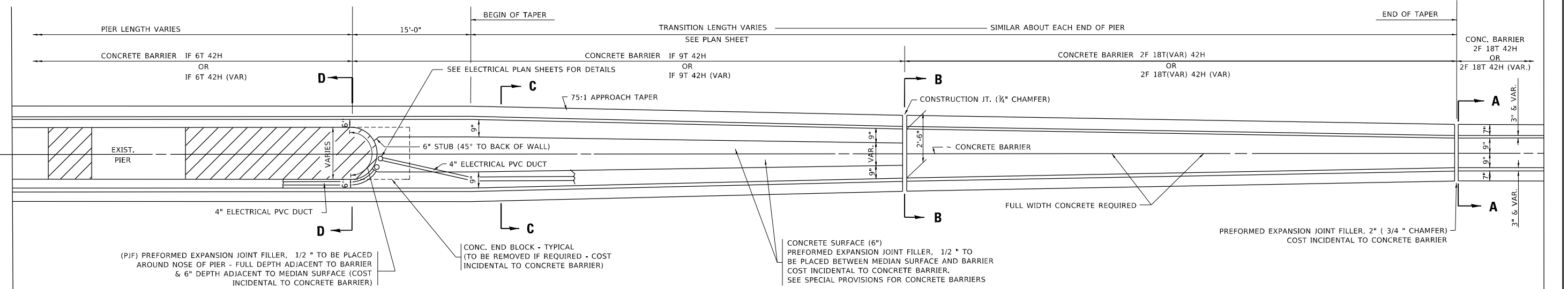
CROSS SECTIONS - SB RAMP
 TEMPORARY PAVEMENT
 SCALE: 1"=10'(H)
 1"=5'(V)
 SHEET 9 OF 9 SHEETS
 STA. 101+00.00 TO 105+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	102
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

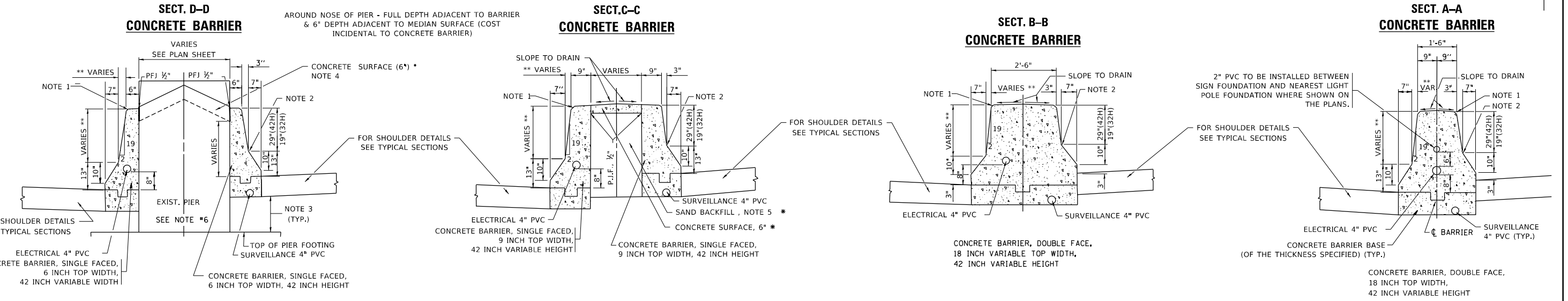
TANGENT CONDITION



PLAN VIEW OF CONCRETE BARRIER TRANSITION



(SUPER ELEVATION CONDITION)



GENERAL NOTES – FOR UNDERDRAIN DETAILS SEE TYPICAL SECTIONS

PREFORMED JOINT FILLER SHALL BE INCIDENTAL TO THE CONCRETE BARRIER OF THE TYPE INVOLVED.

FOR KEYWAY (F) DIMENSIONS, SEE TYPICAL SECTIONS

CONCRETE BARRIER BASE PAY ITEM IS TO BE INCLUDED IF THE BARRIER IS CONSTRUCTED MONOLITHIC OR JOINTED TO BASE. IF JOINTED CONTRACTORS WILL HAVE THE OPTION OF USING A KEYWAY OR #___ TIE BARS AT ___ O.C.

NOTES:

- 3/4" CHAMFER OR 1" RADIUS (OPTIONAL)
- 10" RADIUS (OPTIONAL)
- EXTEND BOTTOM OF BARRIER TO FOOTING ONLY WHEN DEPTH IS 6" OR LESS, OTHERWISE MAINTAIN SAME DEPTH AS BOTTOM OF SHOULDER
- PIER FILLER MATERIAL TO BE CONCRETE IF MINIMUM 6" THICKNESS WILL BE MAINTAINED. IF 6" THICKNESS CANNOT BE MAINTAINED USE ASPHALT FILLER MATERIAL AS DIRECTED BY THE ENGINEER.
- SAND BACKFILL AND CONCRETE SURFACE WILL BE REQUIRED. FILLING WITH CONCRETE WILL NOT BE ALLOWED.
- IF PIER IS NEW CONSTRUCTION BARRIER WALL MAY BE MONOLITHIC

** MAINTAIN SLOPE OF FACE AS SHOWN ON DETAIL. HEIGHT AND WIDTH OF BARRIER INCREASE WHERE A DIFFERENCE IN MEDIAN EDGE-OF-PAVEMENT GRADE ELEVATION EXISTS.

* COST OF SAND BACKFILL, CONCRETE SURFACE (6"), AND PIER FILLER MATERIAL WILL NOT BE INCIDENTAL.

MODEL: Default
FILE NAME: p:\uplanroom\dat\llb\is\pwr\PILOT\DOT\Documents\DOT_Offices\District_1\Projects\Dist5022\34C\CD\Draw\CAD\Sheet\bd27.dwg

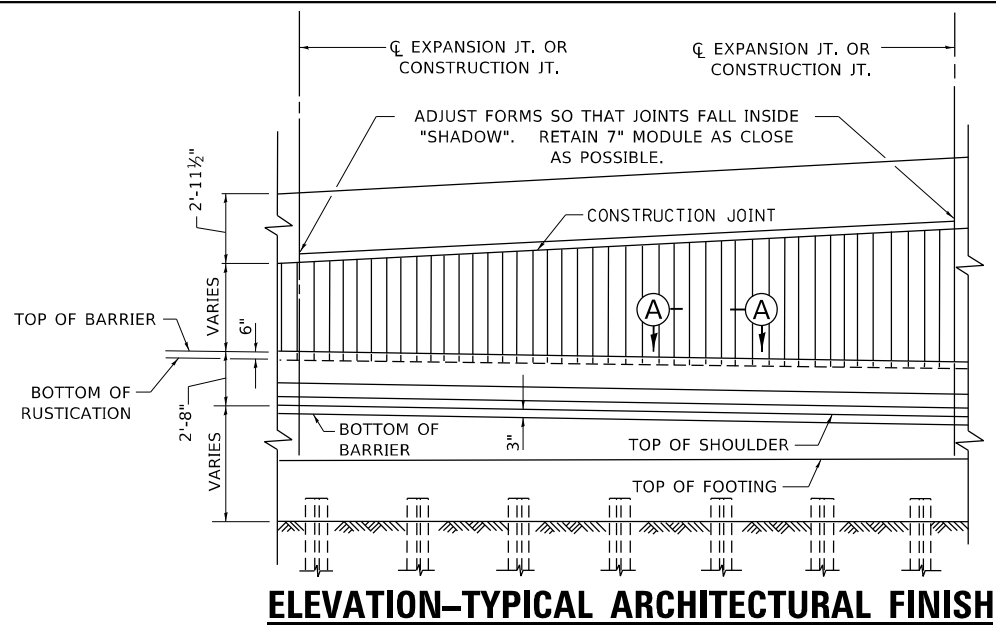
USER NAME = footemj	DESIGNED - FORD	REVISED - FORD 12-06-88
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/27/2019	DATE - 09-09-88	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

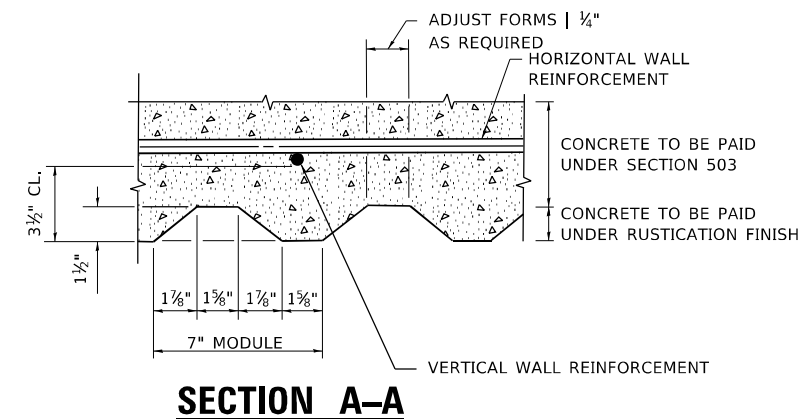
**CONCRETE BARRIER TRANSITION &
GENERAL DETAILS, CONCRETE BARRIER BASE**

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

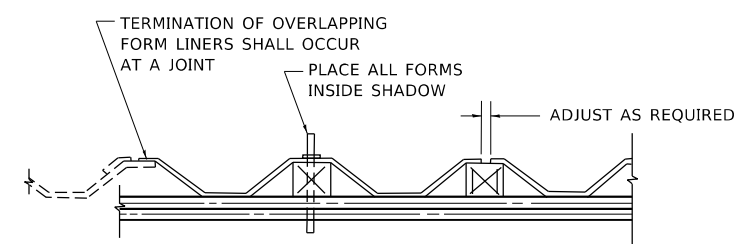
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	103
BD-27			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



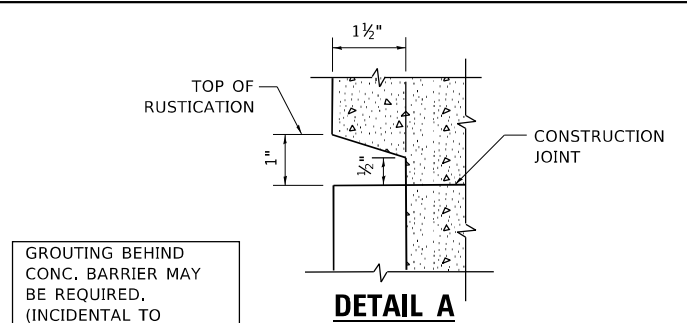
ELEVATION-TYPICAL ARCHITECTURAL FINISH



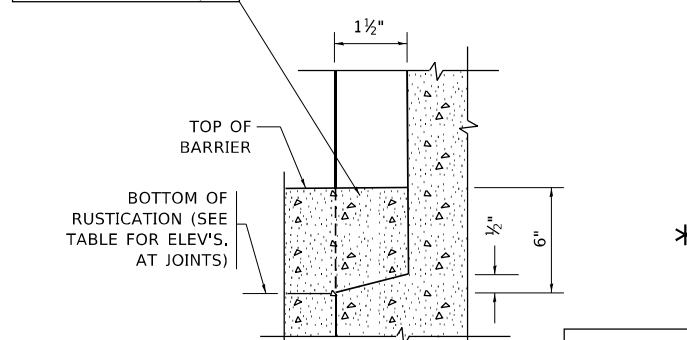
SECTION A-A



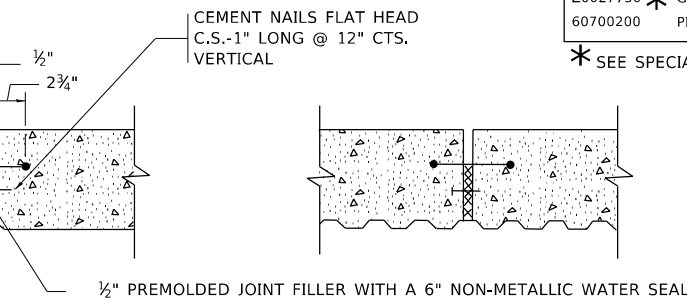
SUGGESTED FORMWORK DETAIL



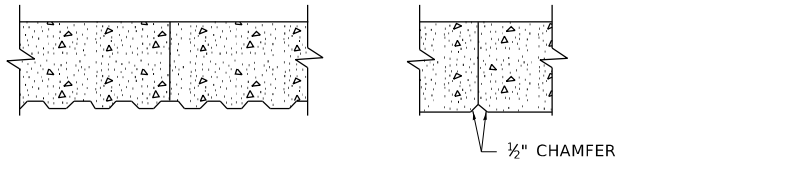
DETAIL A



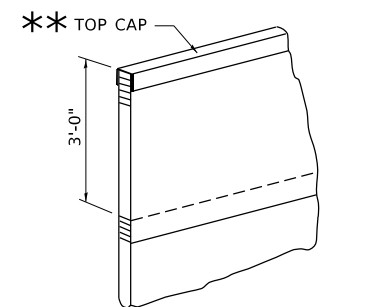
DETAIL B



EXPANSION JOINT DETAIL



CONSTRUCTION JOINT DETAIL



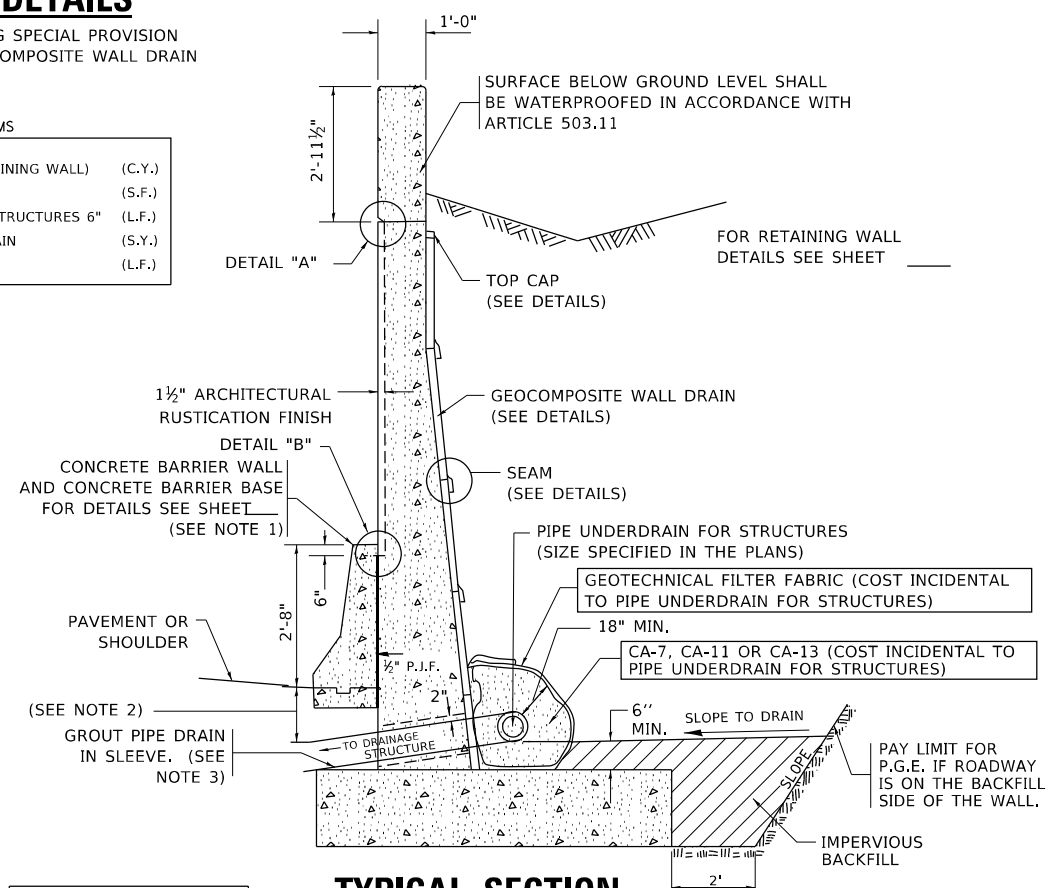
TOP COURSE GEOCOMPOSITE WALL DRAIN DETAILS

PREFERRED PAY ITEMS

50400850	* CLASS X CONCRETE (RETAINING WALL)	(C.Y.)
50400510	* RUSTICATION FINISH	(S.F.)
60709582	* PIPE UNDERDRAINS FOR STRUCTURES 6"	(L.F.)
Z0027750	* GEOCOMPOSITE WALL DRAIN	(S.Y.)
60700200	PIPE DRAINS 6"	(L.F.)

* SEE SPECIAL PROVISIONS

HORIZONTAL SECTION AND SEAM



TYPICAL SECTION THRU RETAINING WALL

NOTE 1:
CONCRETE BARRIER CONSTRUCTION
WHEN THE CONCRETE BARRIER WALL IS TO BE CONSTRUCTED MONOLITHIC WITH THE RETAINING WALL THE DETAILS SHOWN IN THE RETAINING WALL SECTION SHALL GOVERN.

NOTE 2:
PIPE DRAIN SLOPE
PRIOR TO THE PLACEMENT OF THE PIPE UNDERDRAIN SLEEVE THE ENGINEER SHALL DETERMINE THE SLOPE REQUIRED FOR THE PIPE UNDERDRAIN TO ENTER BELOW THE DRAINAGE STRUCTURE LID AT OR BELOW THE MINIMUM DISTANCE SHOWN ON THE DETAILS FOR THE STRUCTURE.

NOTE 3:
PIPE DRAIN
THE PIPE DRAIN SHALL TERMINATE AT A DRAINAGE STRUCTURE.
THE COST OF THE SLEEVE AND GROUT SHALL BE INCIDENTAL TO PIPE DRAINS.

WALL #		WALL #		WALL #		WALL #		WALL #		WALL #		WALL #	
STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION

USER NAME = footemj	DESIGNED - FORD	REVISED - DE YONG 07-11-90
PLOT SCALE = 50.0000' / in.	DRAWN - CADD	REVISED - DE YONG 08-18-90
PLOT DATE = 3/27/2019	CHECKED -	REVISED - DE YONG 07-09-91
	DATE - 11-30-88	REVISED - R. WEIDEMAN 02-20-04

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RUSTICATION FINISH AND GEOCOMPOSITE DRAIN FOR RETAINING WALLS

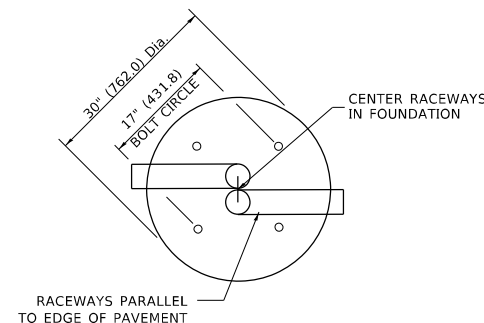
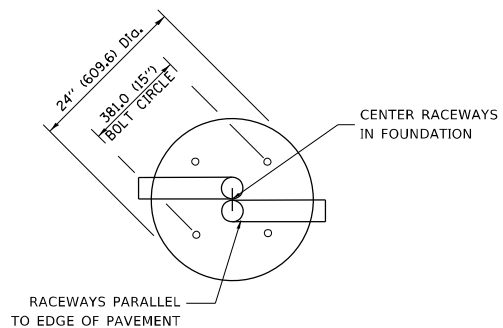
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	104
BD500-02 (BD-28)			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: p:\pub\planroom.dwg
PROJECT: D:\projects\Illinois\DOT\Documents\DOT_Offices\District_1\Projects\Illinois\22-24\CA\Drawings\CA\Drawings\28.dwg

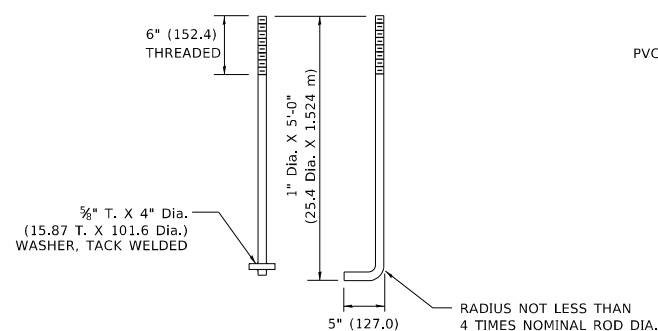
LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.99 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)

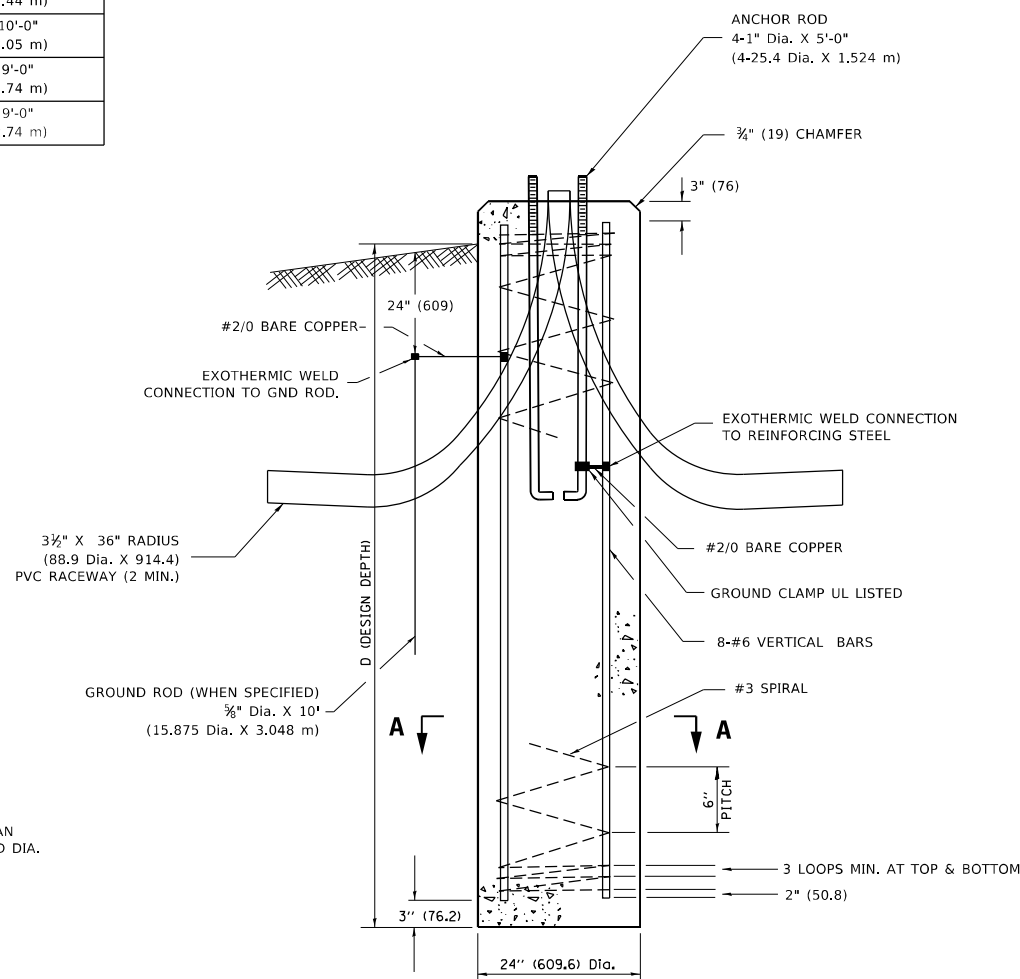


TOP VIEW

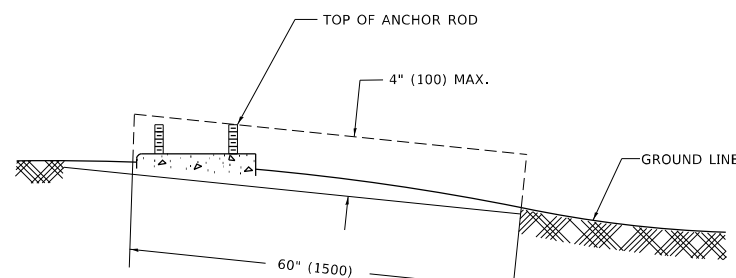
TOP VIEW



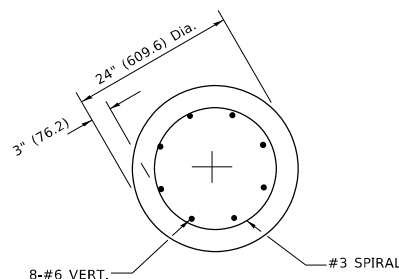
ANCHOR ROD DETAIL



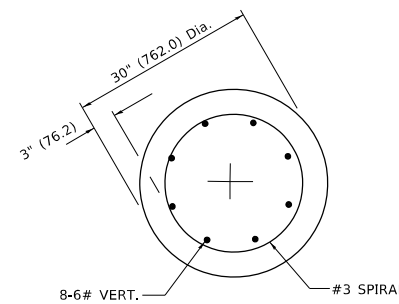
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES, IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

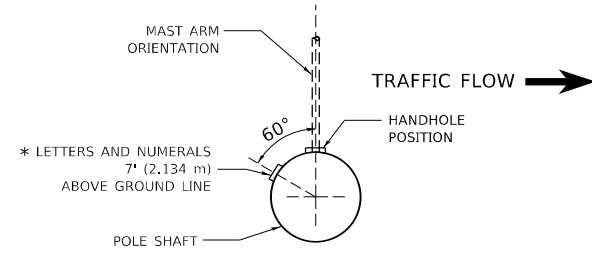
MODEL: Default
FILE NAME: p:\p\planroom\dat\illinois\pwr\PIW\DOT\Documents\DOT_Offices\Distrikt_1\Projects\Distrikt5022\3A\CAD\Draw\CADsheets\be301.dgn

USER NAME = footemj	DESIGNED -	REVISED - 04-22-02
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 1 / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

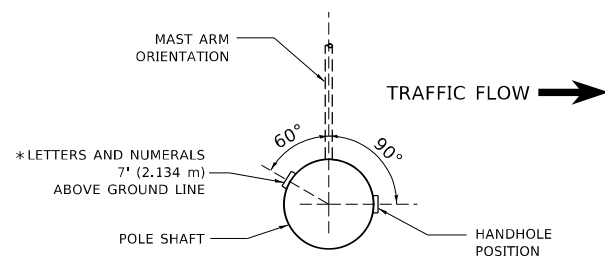
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

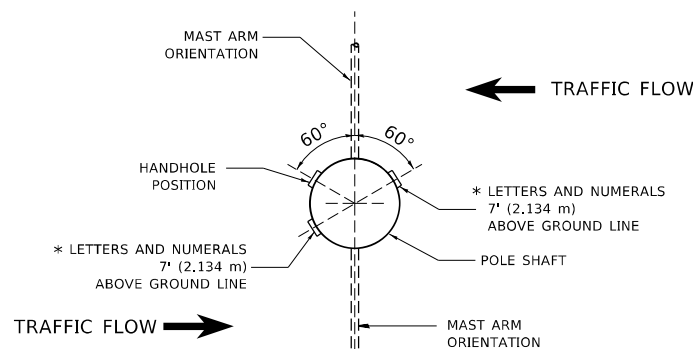
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	105
BE-301		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



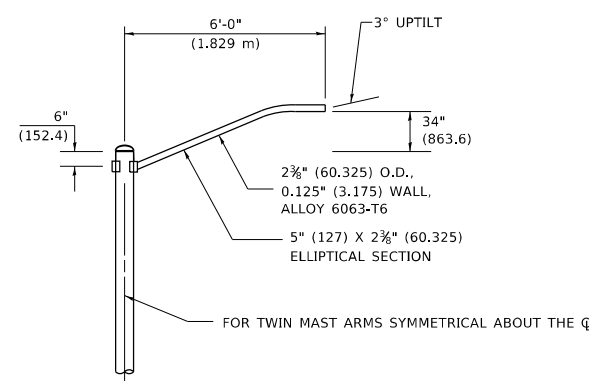
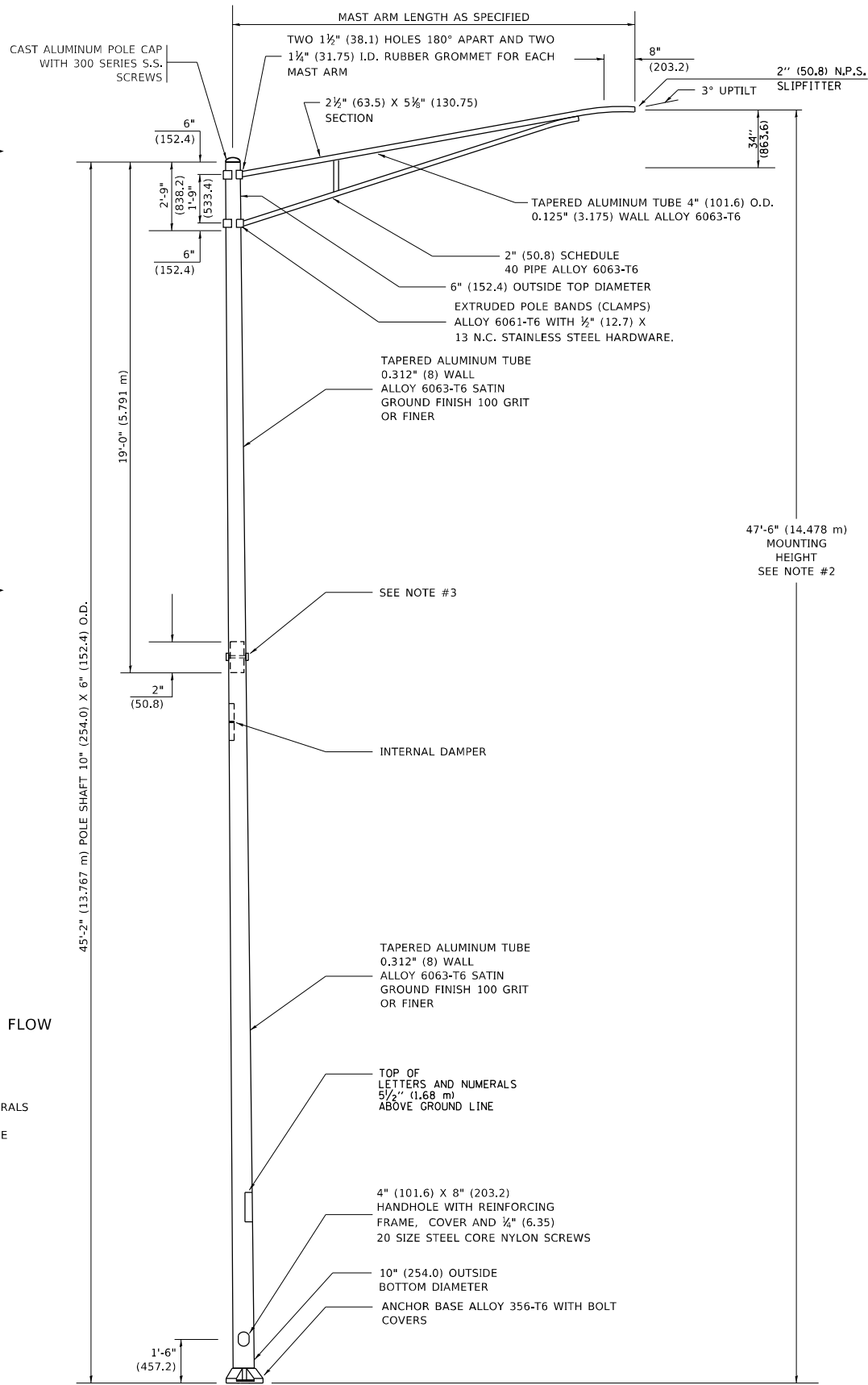
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



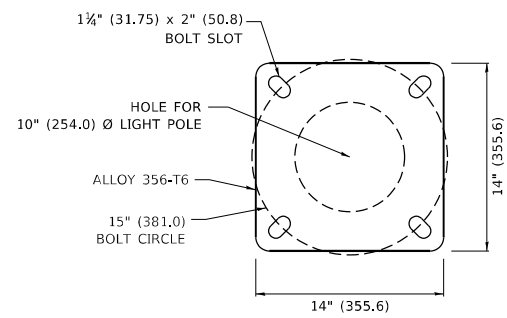
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



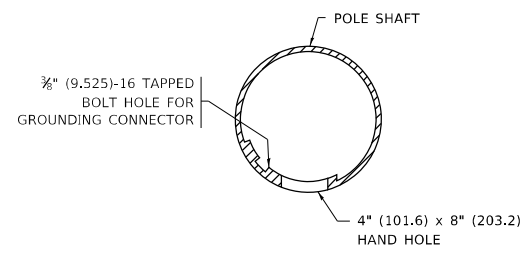
POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)



LIGHT POLE BASE PLATE DETAIL 15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL (N.T.S.)

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
- TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
- THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
- THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
- LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
- LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
- LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

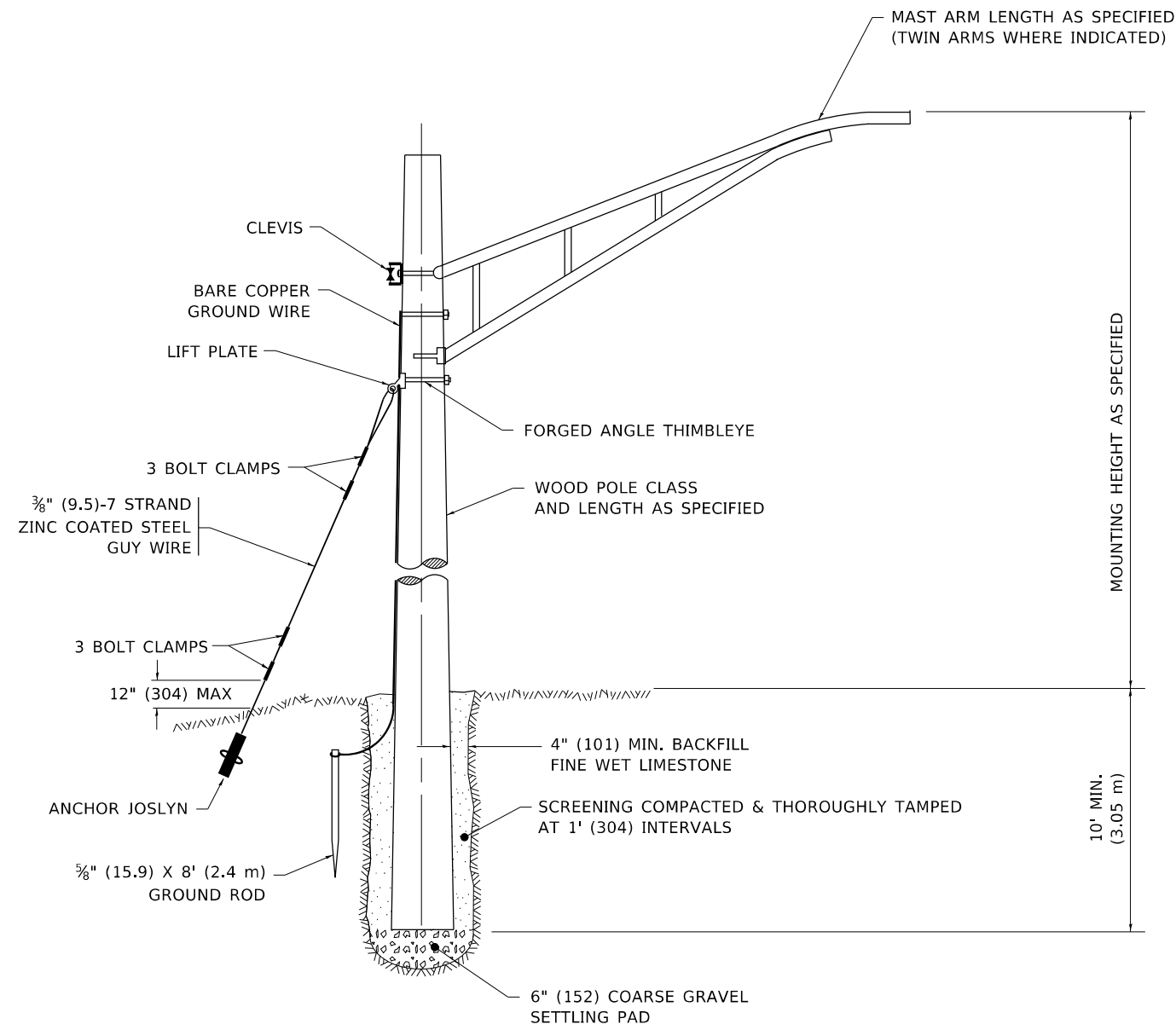
MODEL: D:\draft... FILE NAME: ...

USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 09-06-00
	DRAWN -	REVISED - R. TOMSONS 09-03-03
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. TOMSONS 01-18-13
PLOT DATE = 4/19/2019	DATE -	REVISED - R. TOMSONS 03-18-15

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALUMINUM LIGHT POLE			
47'-6" (14.478 m) MOUNTING HEIGHT			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

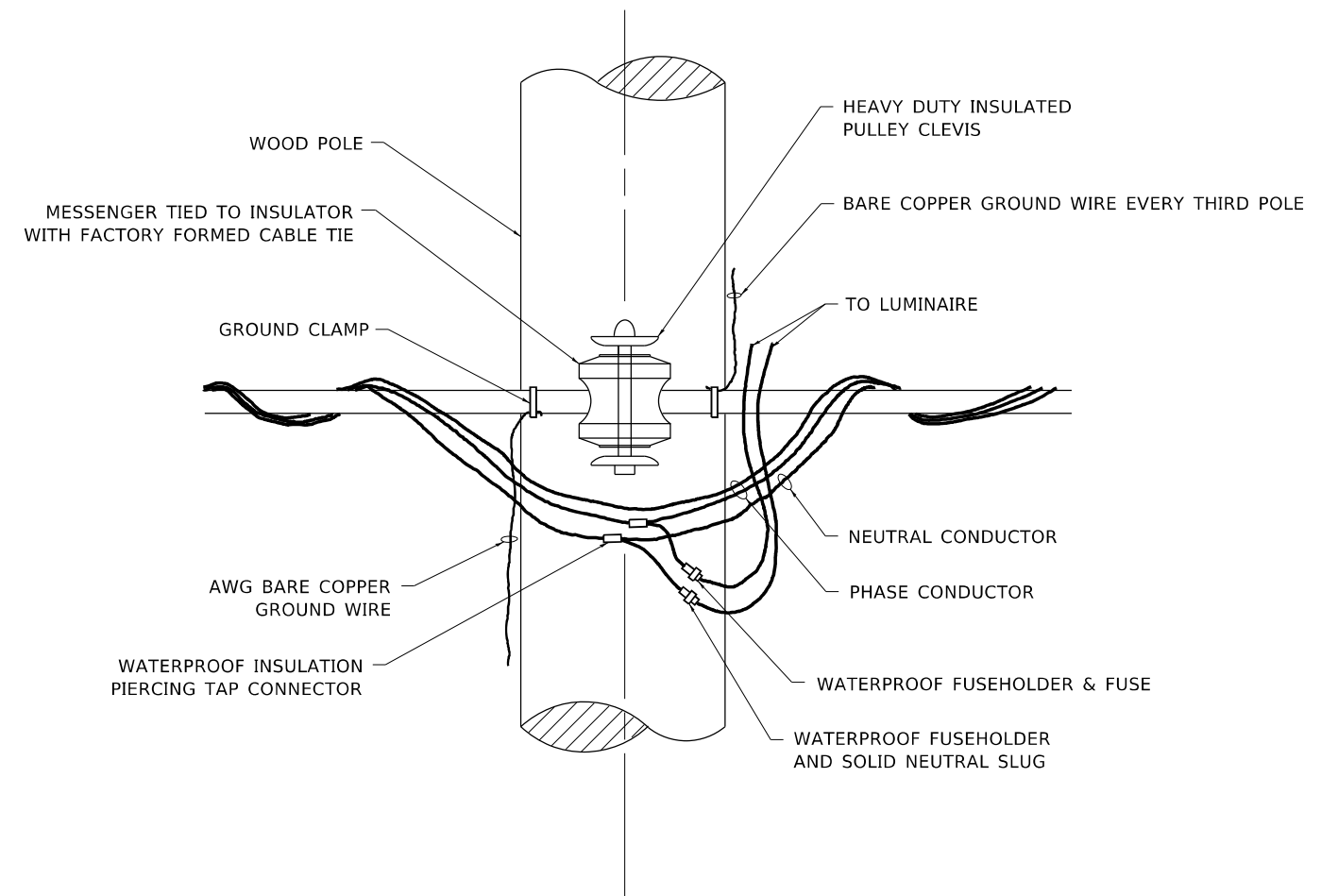
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	106
BE-400			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



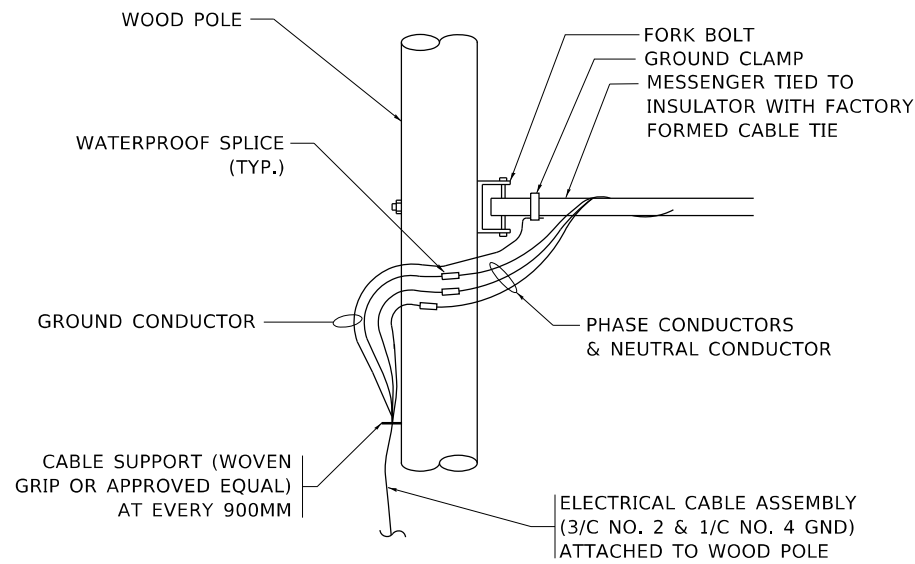
TEMPORARY LIGHT POLE ATTACHMENT DETAIL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE DETAILS

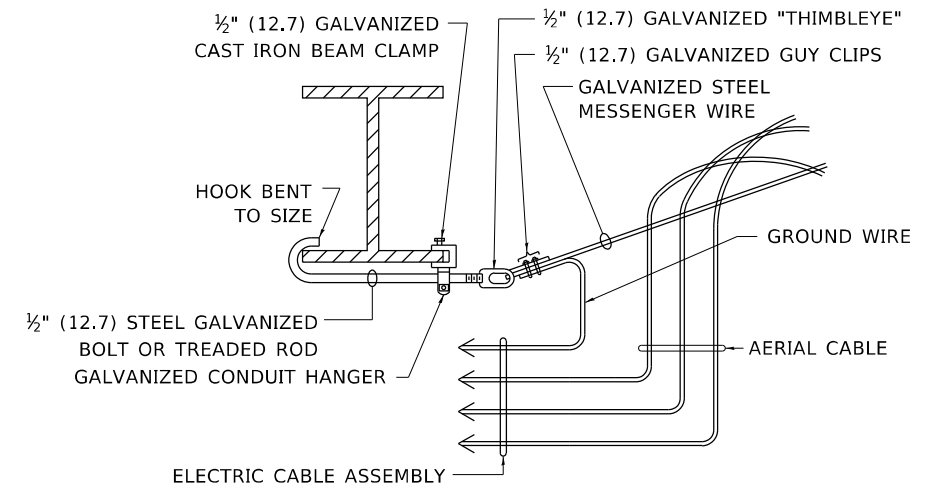
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	107
BE-800			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



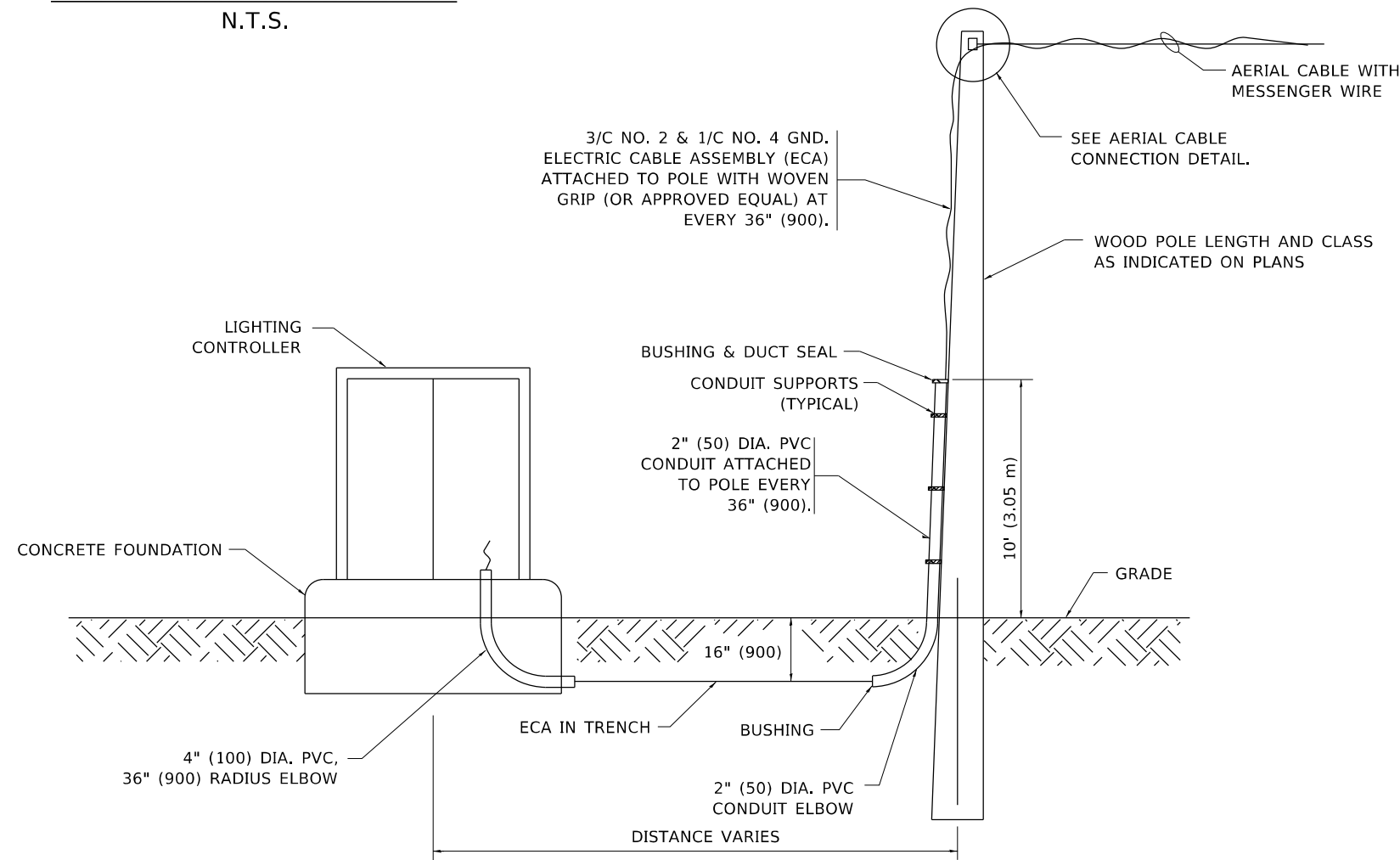
AERIAL CABLE CONNECTION DETAIL

N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE

NOT TO SCALE



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL

N.T.S.

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

MODEL: Default
FILE NAME: p:\planning\mtdat_illinois.gov\PI\DOT\Documents\DOT_Offices\District 1\Projects\Dist5\2234\CD\Drawn\CA\Sheet\be801.dgn

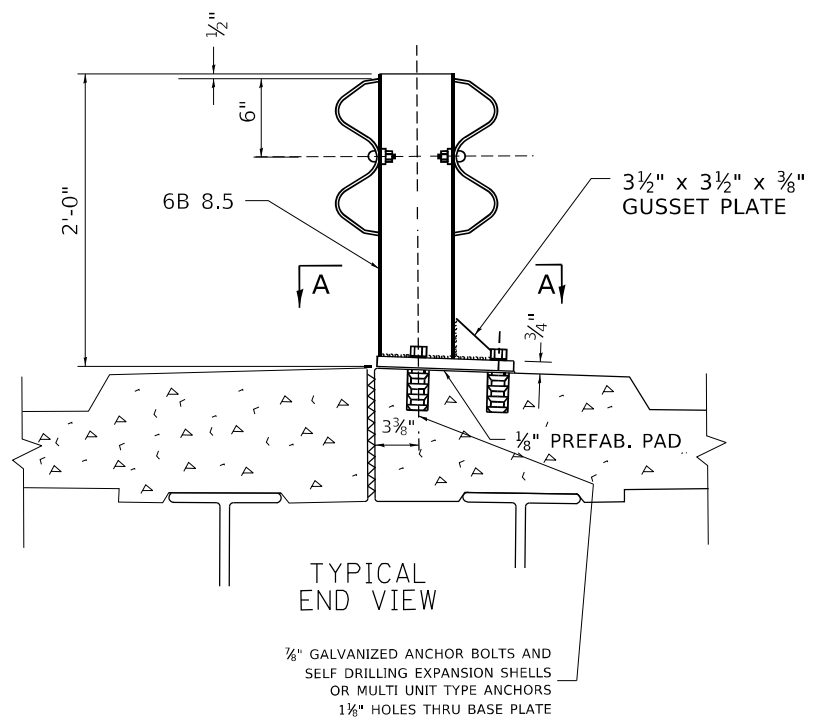
USER NAME = footemj	DESIGNED -	REVISED - 08-08-03
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

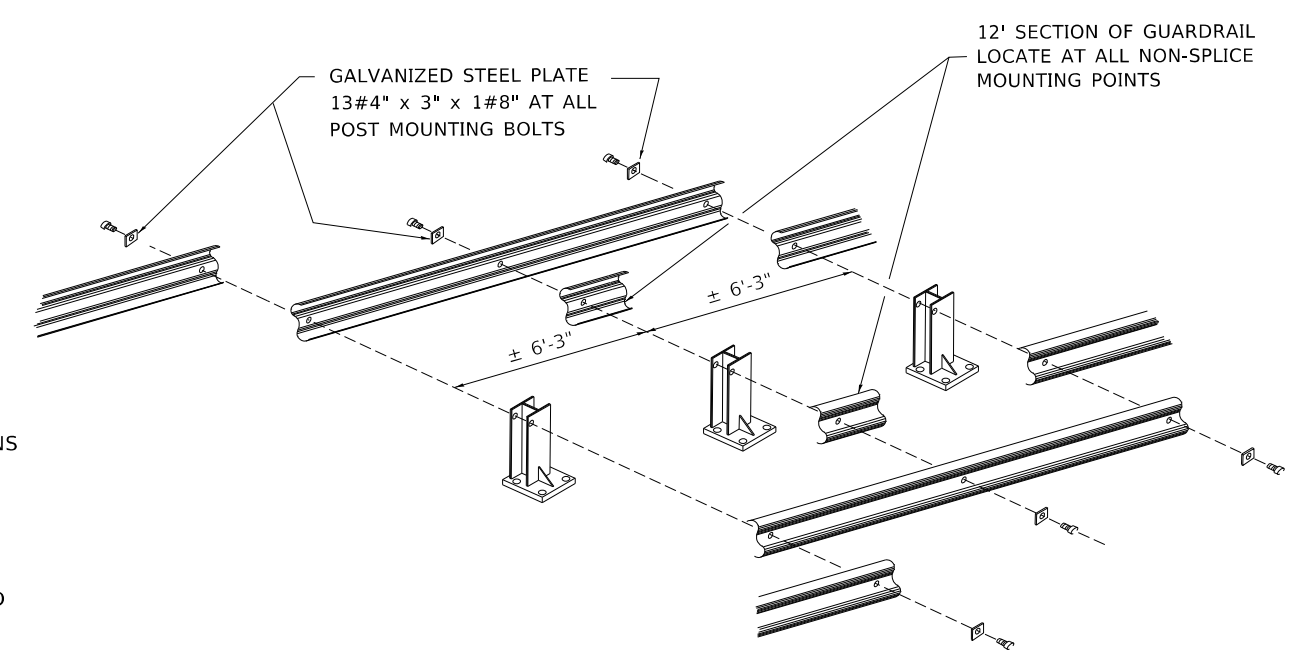
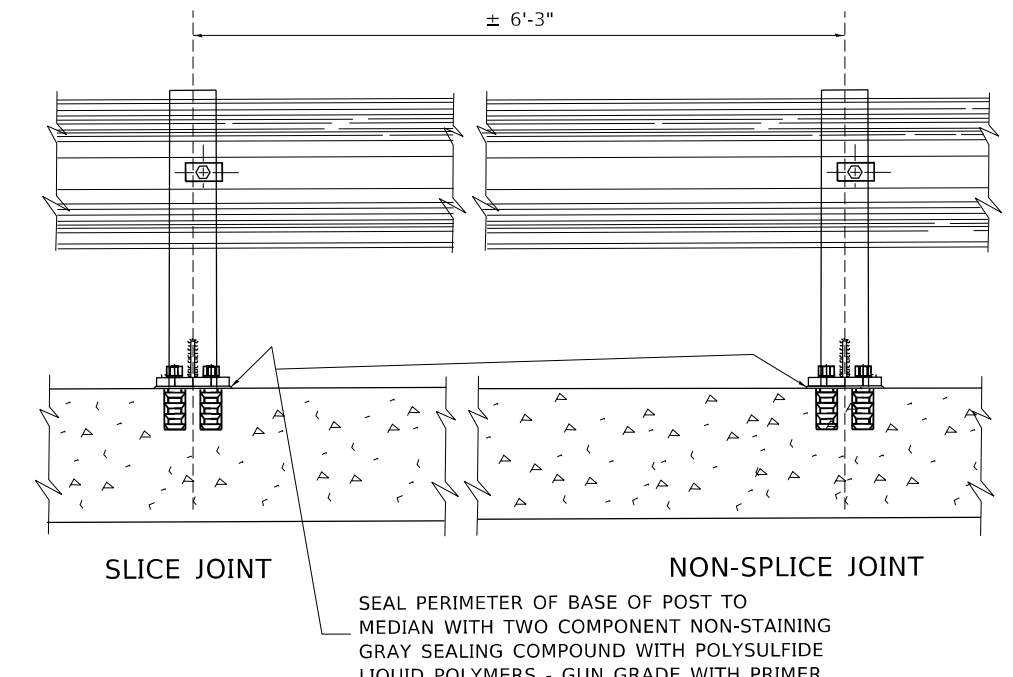
TEMPORARY AERIAL CABLE INSTALLATION

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

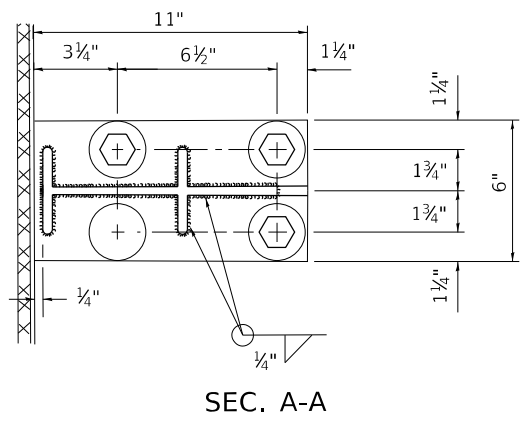
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	108
BE-801			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



1/8" GALVANIZED ANCHOR BOLTS AND SELF DRILLING EXPANSION SHELLS OR MULTI UNIT TYPE ANCHORS
1 1/8" HOLES THRU BASE PLATE



NOTE:
DIAMOND TIPPED DRILL SHALL BE USED TO DRILL THRU REINFORCEMENT BARS



- NOTE:
1. POSTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM DESIGNATIONS A-123 AND A-385.
 2. TWO PERCENT (2%) OF ALL ANCHOR BOLTS SHALL BE TEST LOADED IN PLACE. MIN. TEST LOAD = 8 KIPS.
 3. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION A-153.
 4. FOR MATERIAL COMPOSITION OF PREFABRICATED PAD, SEE ARTICLE 54.9(F), (BEARING AND ANCHORAGE), OF THE STANDARD SPECIFICATIONS.
 5. PROVIDE 1-1#8" AND 2-1#16" GALVANIZED STEEL SHIMS FOR 25% OF THE POSTS.
 6. IF ONE ANCHOR BOLT FAILS DURING TEST, TWO OTHER ANCHOR BOLTS SHALL BE TESTED. TESTING EQUIPMENT CAN BE OBTAINED FROM BOLT COMPANIES.

THIS SHEET IS FOR INFORMATION ONLY

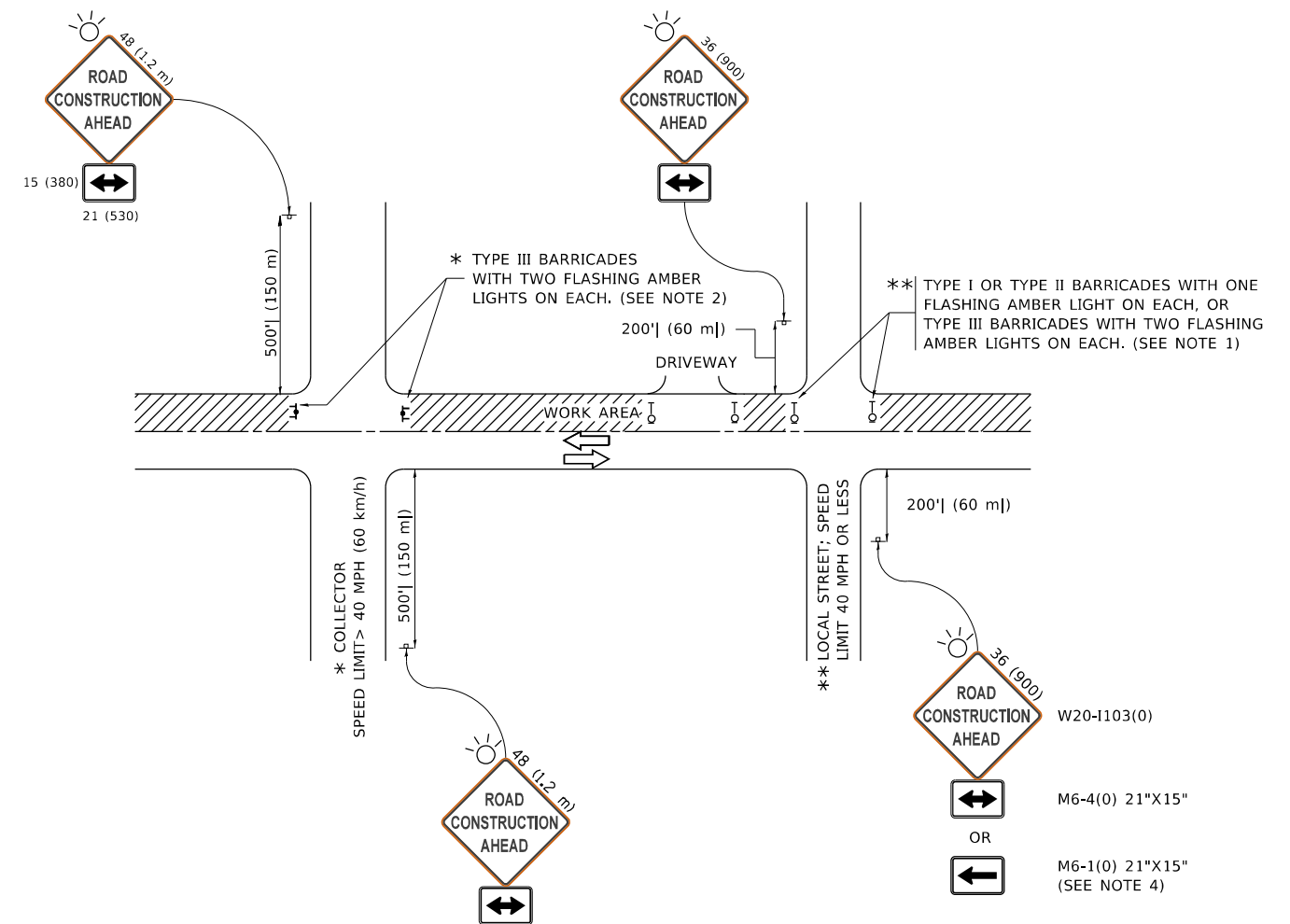
MODEL: Default
FILE NAME: p:\uplanroom.dat\illinois\pwr\pwr\DOT\Documents\DOT_Offices\District_1\Projects\Dist5\0223A\CD\Draw\CD\Sheet\bm05.dgn

USER NAME = footemj	DESIGNED -	REVISED - R. RITCHIE 05-02-00
PLOT SCALE = 50.0000 1 / in.	DRAWN - R.F.L.	REVISED -
PLOT DATE = 3/11/2019	CHECKED -	REVISED -
	DATE - 10-31-88	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL DETAIL FOR CENTER LONGITUDINAL JOINT GUARDRAIL JOINT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	109
BM-05			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) 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: D:\draft FILE NAME: p:\1108\BEBIDNTEG_ILlinis.gov\RWIDOT\Documents\DOT Offices\District 1\Projects\DH5422\344\CADData\CAD\sheet\TC10.dgn

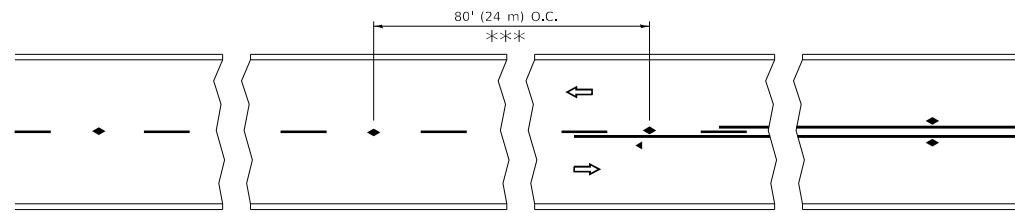
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

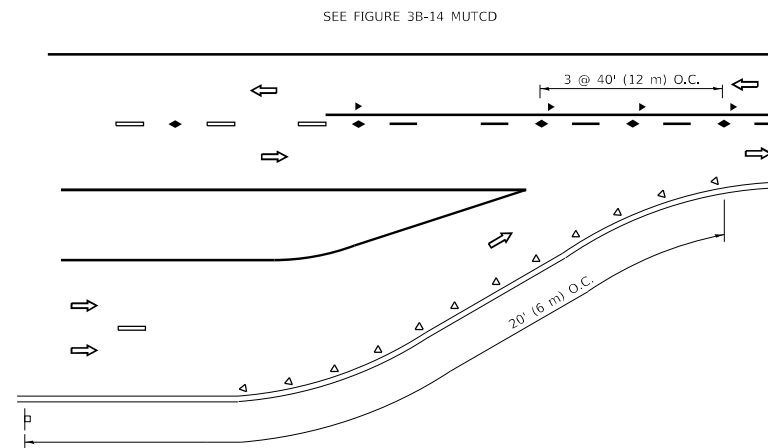
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	110
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

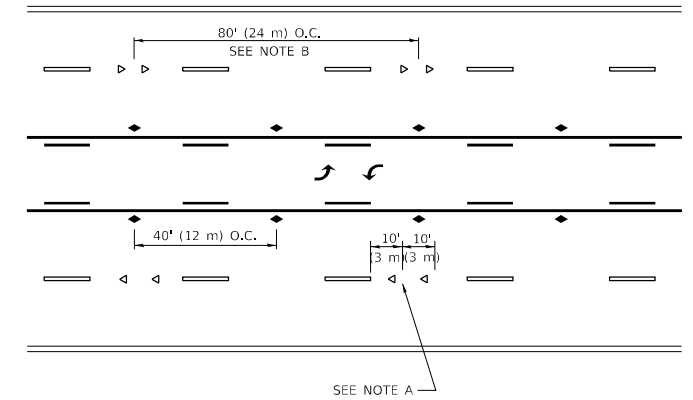


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

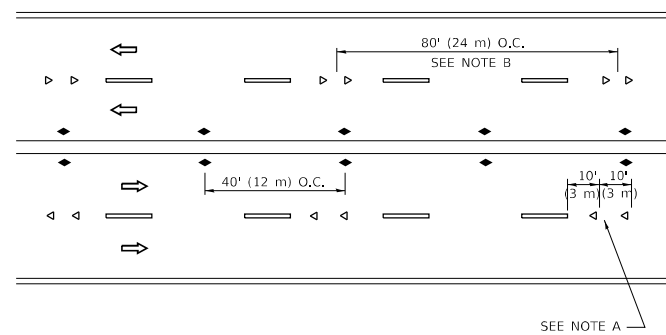
TWO-LANE/TWO-WAY



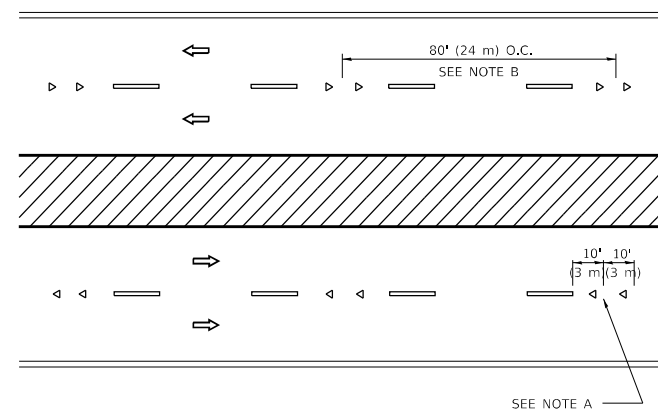
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

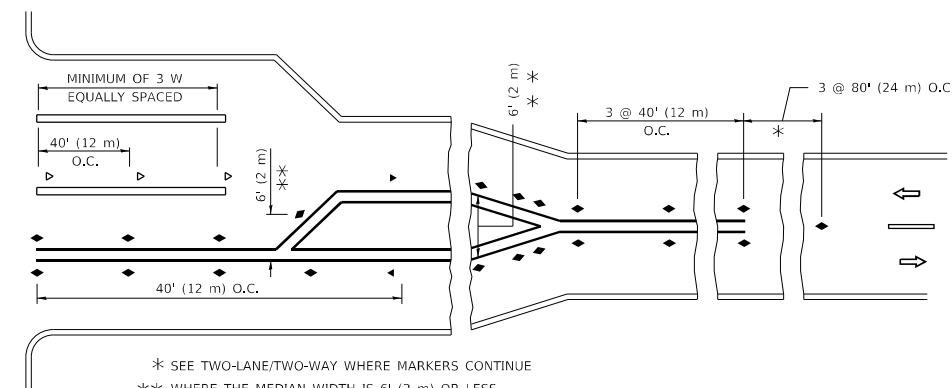
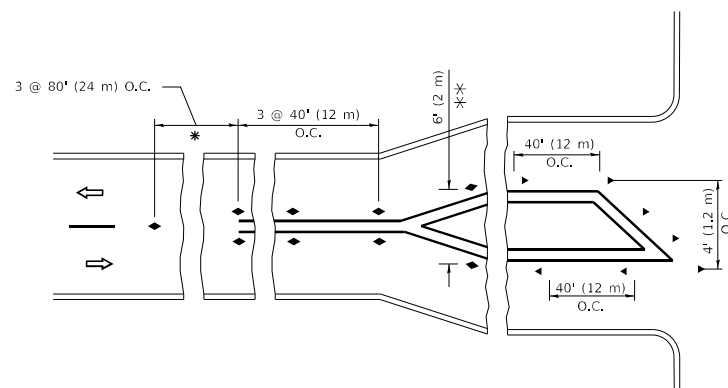
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 *** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

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

MODEL: D:\draft...
 FILE NAME: p:\u108aebid\ntec_illinois\pov\p\w\DOT\Documents\DOT_Offices\District_1\Projects\015422-24\CAD\Drawings\CAD\Sheet\K11.dgn

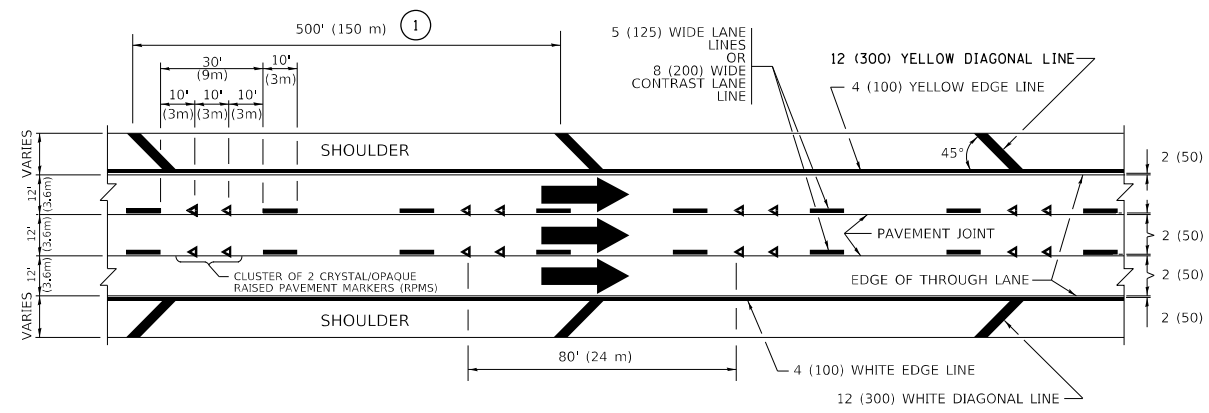
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000 1 / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

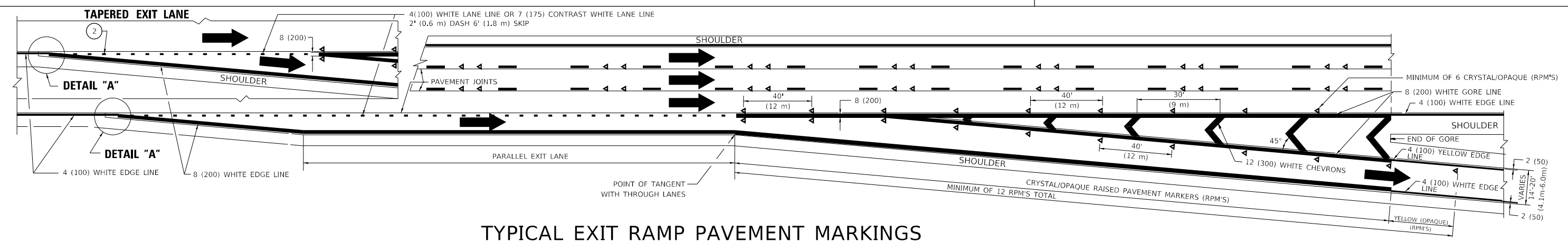
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	111
TC-11			CONTRACT NO.	
ILLINOIS		FED. AID PROJECT		



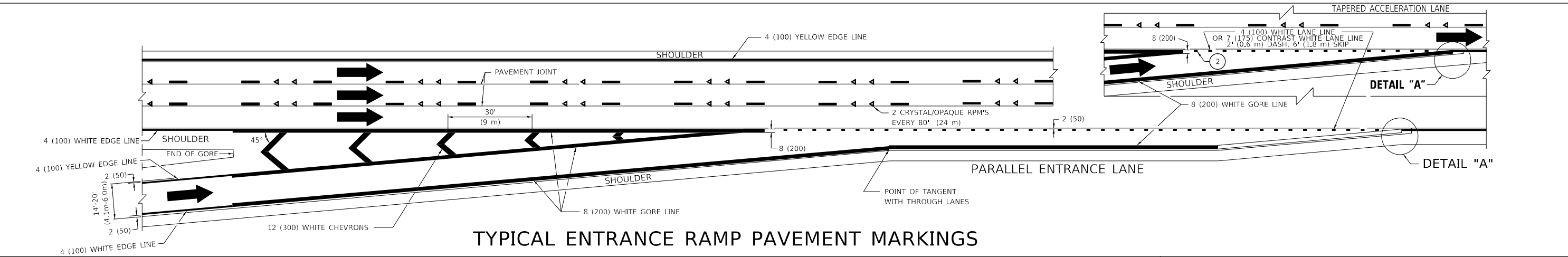
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

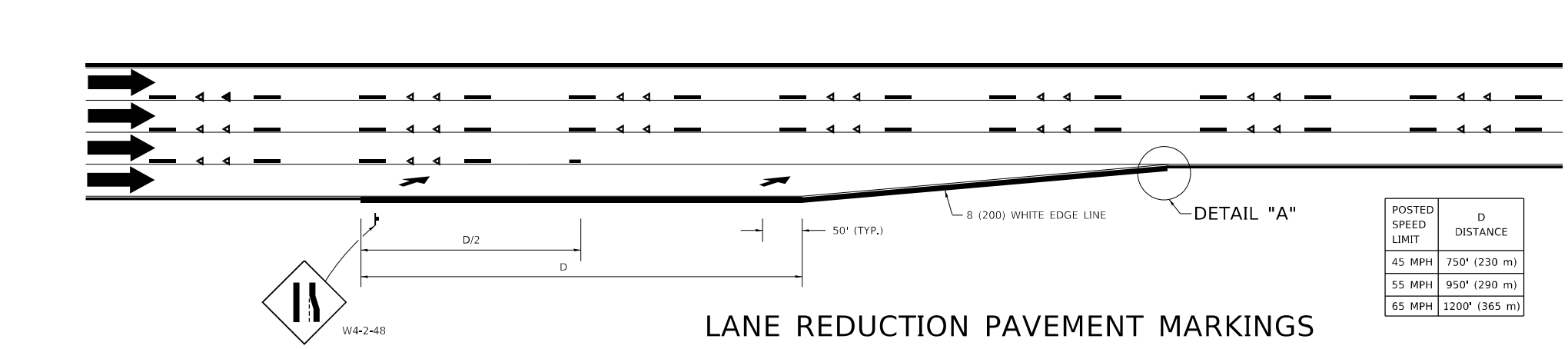
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

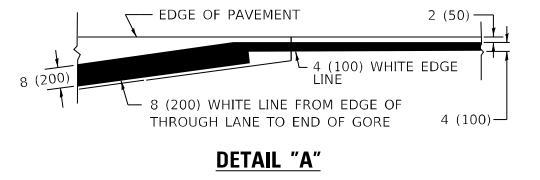


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



- NOTES:**
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

MODEL: D:\draft... FILE NAME: ... PROJECT: ... OFFICE: ...

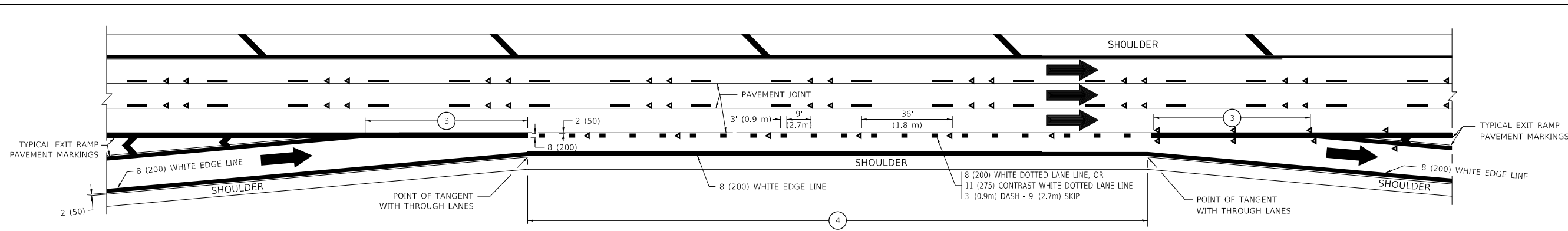
USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - S.P.B. 01-10
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 05-13
		REVISED - M.D. 09-17

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

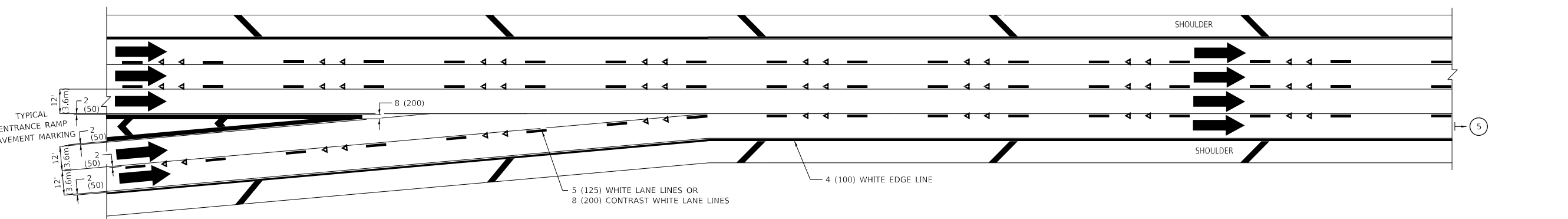
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

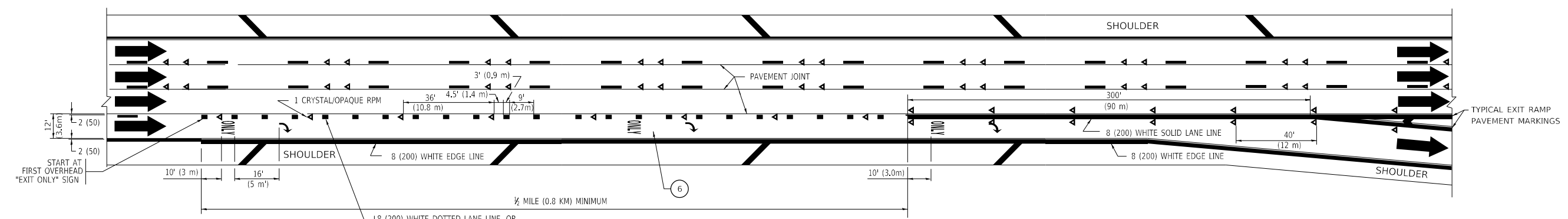
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	112
TC-12			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



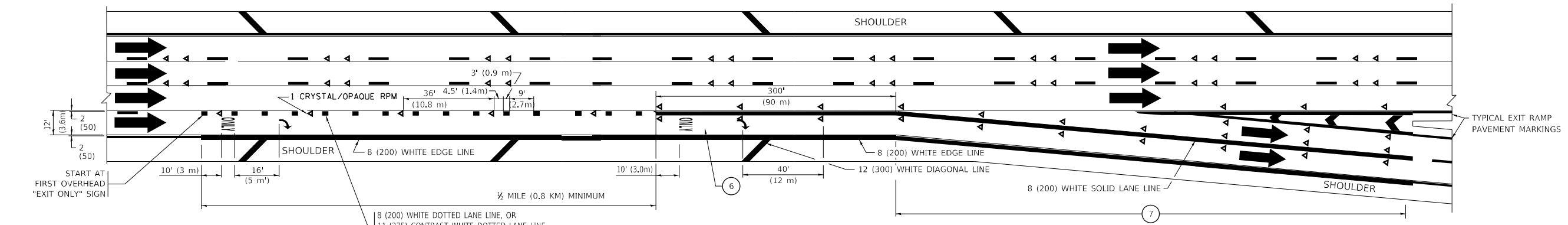
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

MODEL: Default
 FILE NAME: p:\1108\BIDDING\TEC Illinois\pov\WIDDOT\Documents\DOT Offices\District 1\Projects\DH5422-234\CAD\Drawings\CAD\Sheet\TC12.dwg
 1/24/2019 10:32:33 AM User:footeem

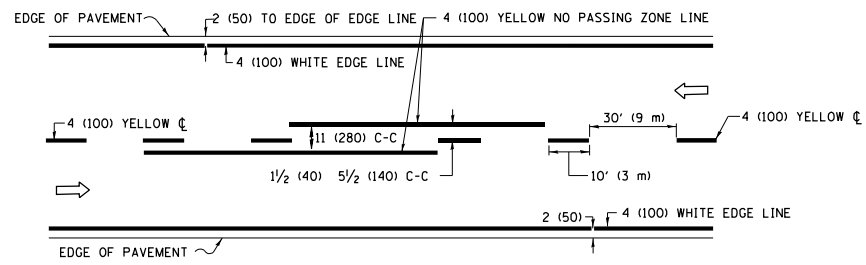
USER NAME = footeem	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 50.0000 1/ in.	CHECKED -	REVISED - S.P.B. 01-10
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

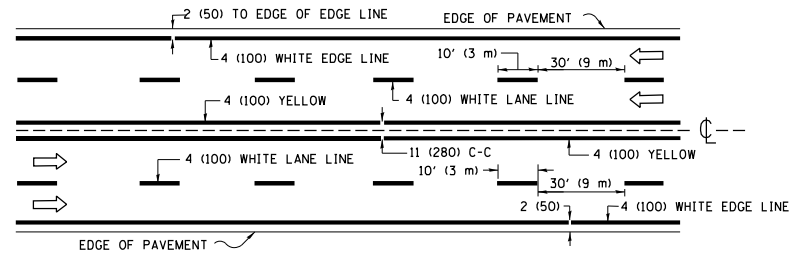
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

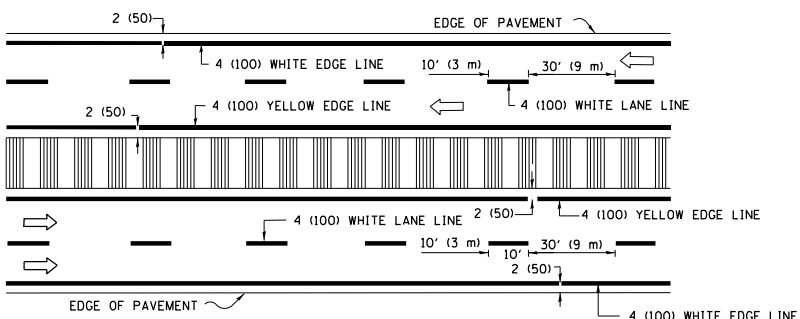
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	113
TC-12		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		



2-LANE ROADWAY

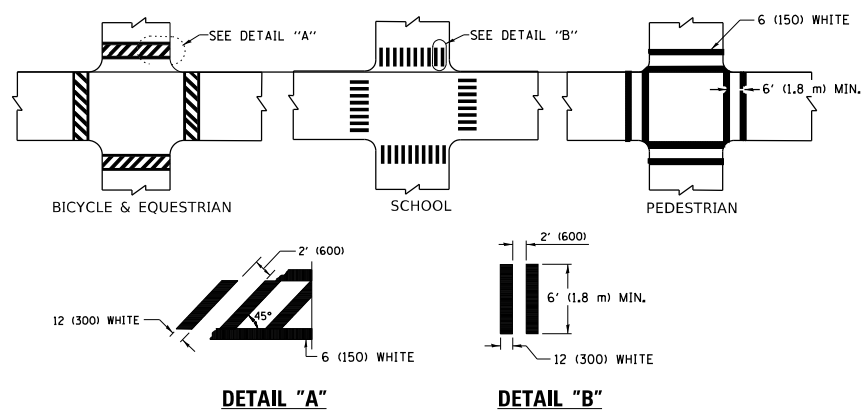


MULTI-LANE UNDIVIDED



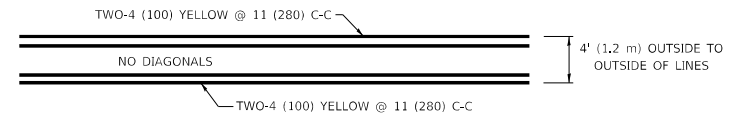
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

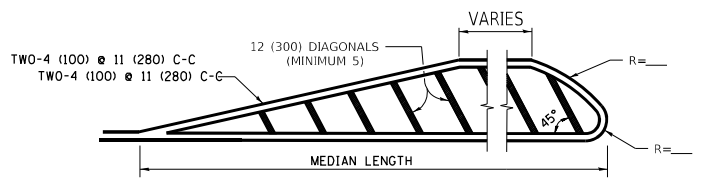


TYPICAL CROSSWALK MARKING

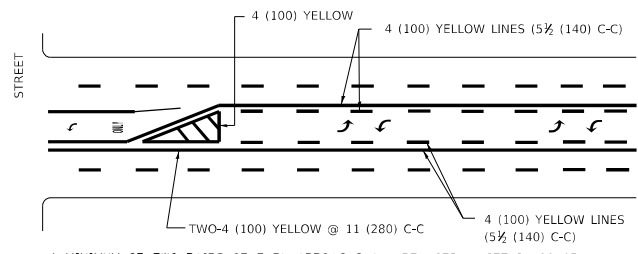
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



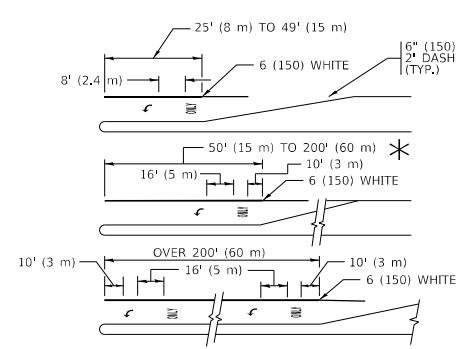
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



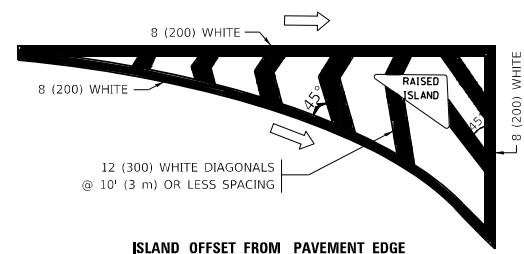
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



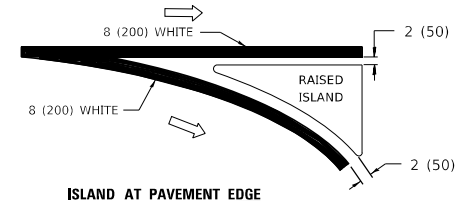
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

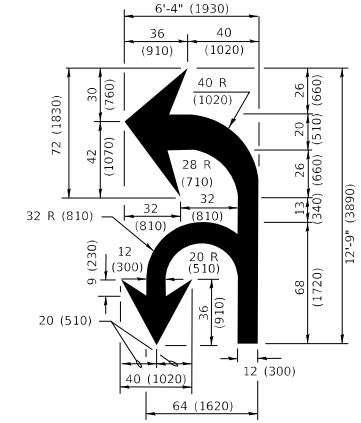
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



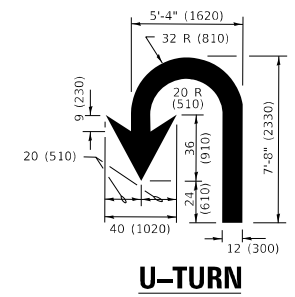
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 1/2 (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 1/2 (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" IS 8' (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: D:\draft... FILE NAME: p:\u0008\BIBID\ITEG... PROJECTS\0154222-234\CD\Drawings\CAD\Sheet\13.dwg

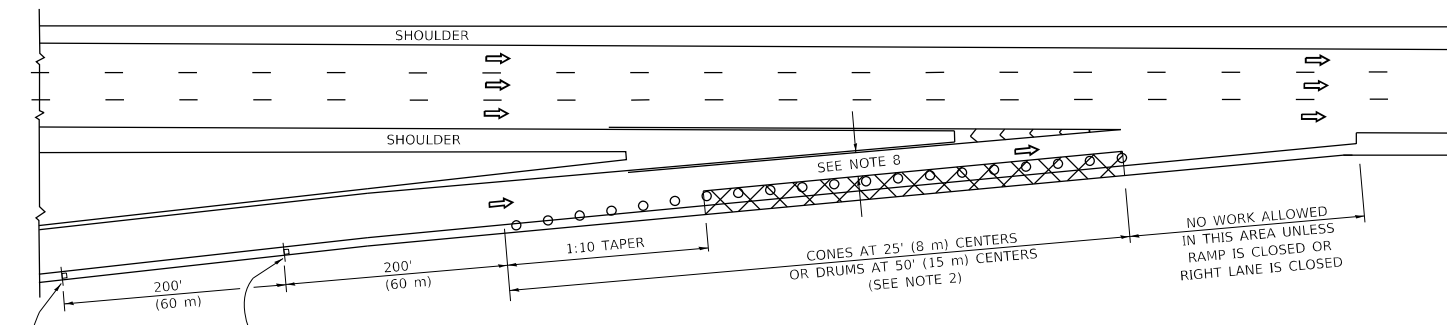
USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000 1" / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

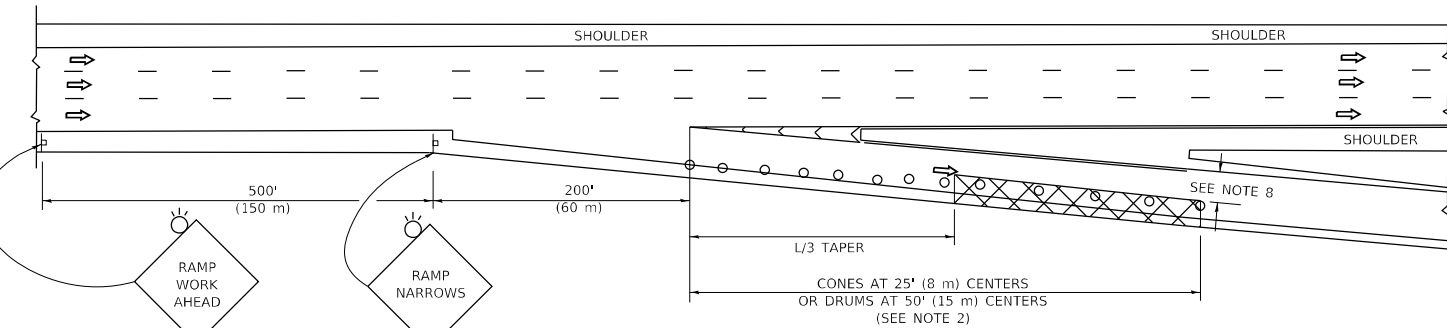
DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	114
TC-13		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

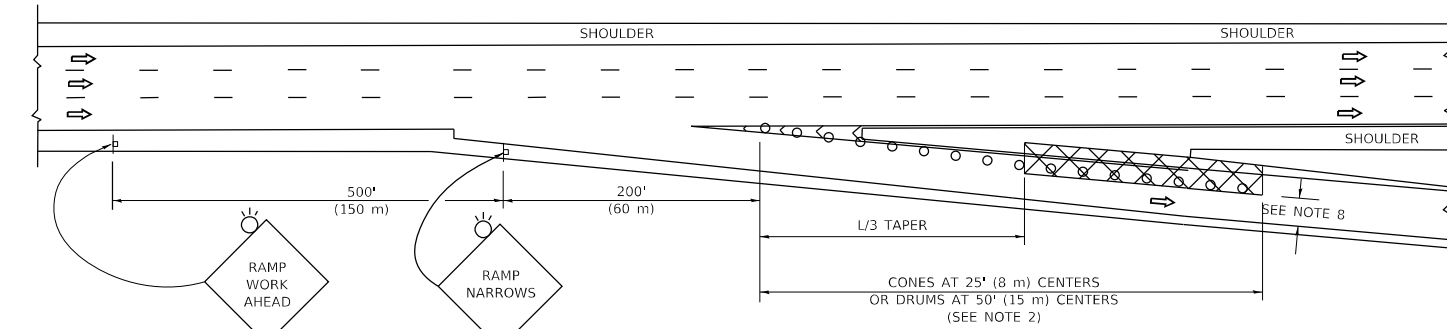
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

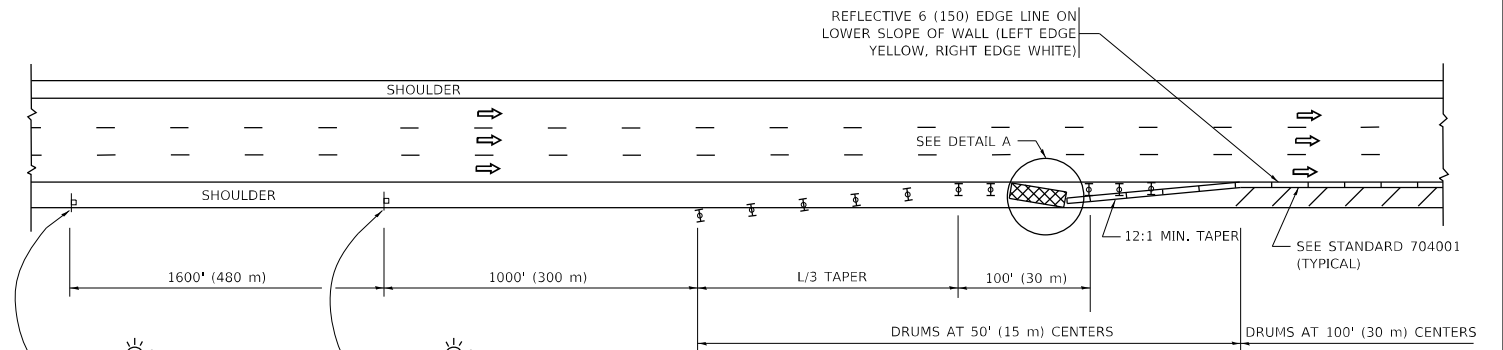
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

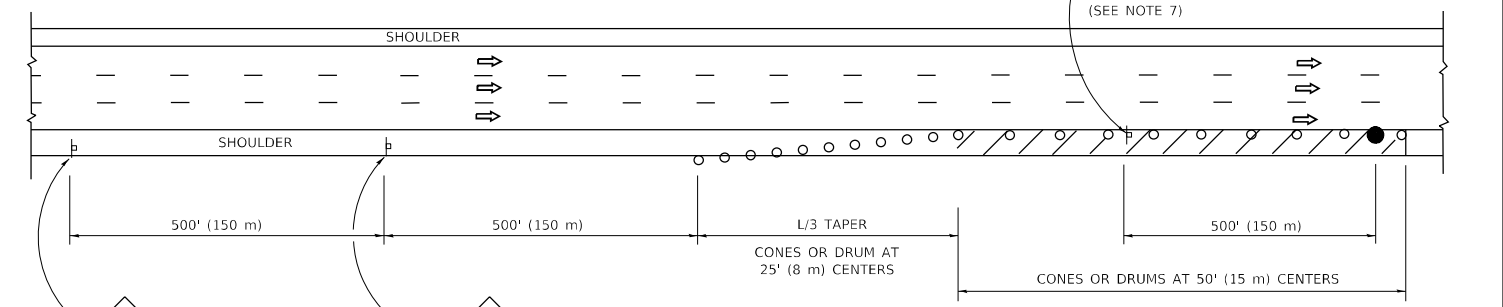
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	L=0.65(WXS) L=(W)XS
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

USER NAME = footem	DESIGNED -	REVISED - S.P.B. 01-07
	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - M.D. 06-13
PLOT DATE = 3/4/2019	DATE - 11-96	REVISED - M.D. 01-18

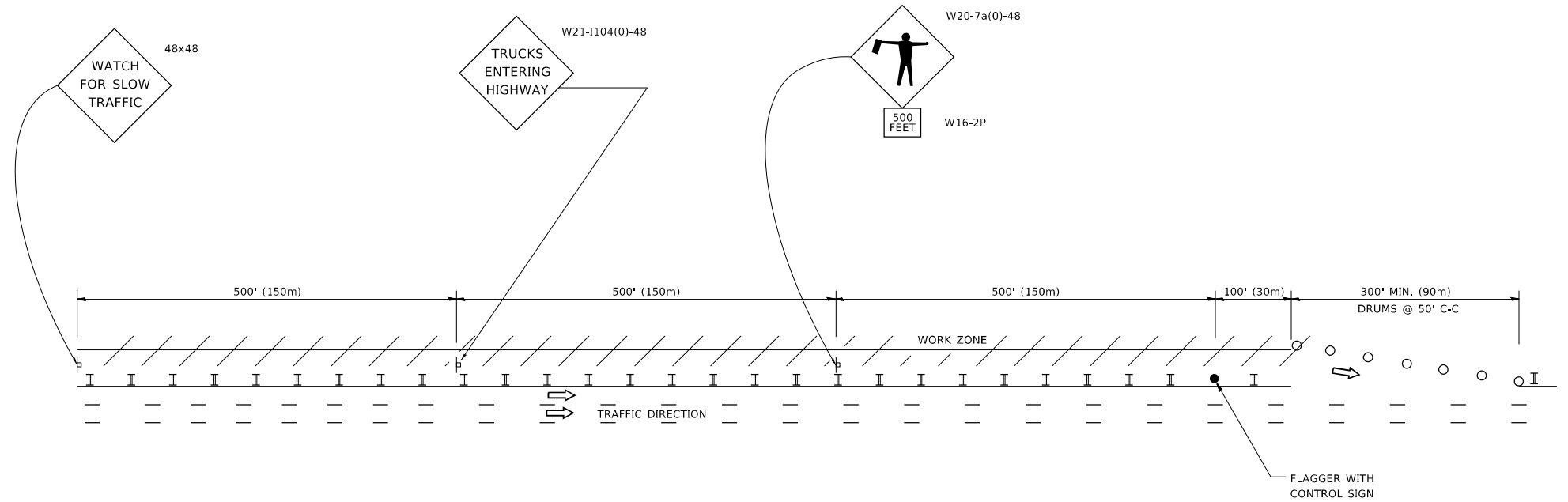
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
-------------	---------------------	--------------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	115
TC-17		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

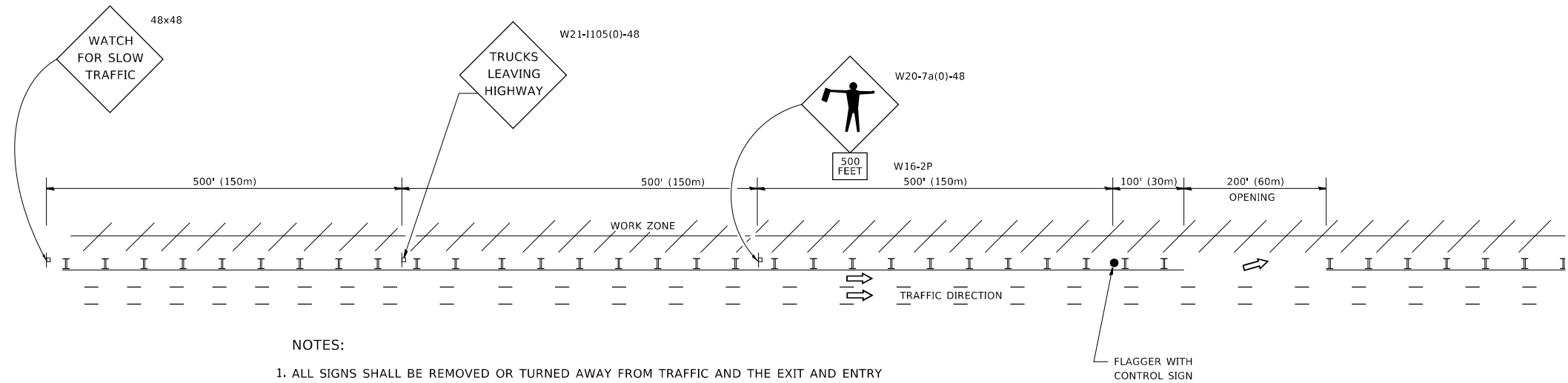
MODEL: D:\draft...
 FILE NAME: ...
 PROJECT: ...
 DATE: 3/4/2019

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: D:\draft... FILE NAME: ... ILLINOIS STATE ROAD AND TRANSPORTATION DEPARTMENT

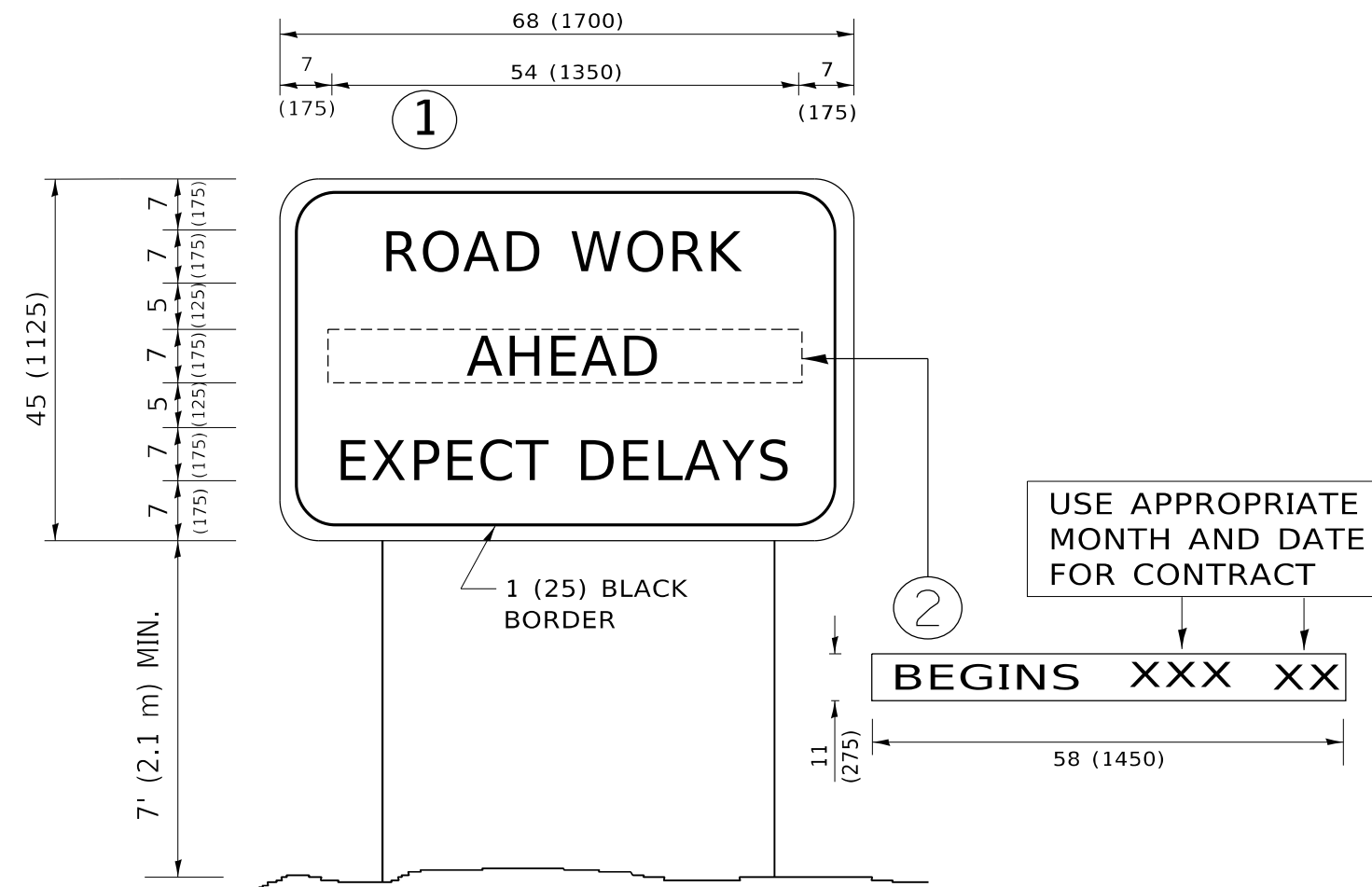
USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	DATE -	REVISED - M.D.06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	116
TC-18			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL: D:\draft
 FILE NAME: p:\1108\BEBIDNTEG\Illinois.gov\RWIDOT\Documents\DOT_Offices\District 1\Projects\DH5422\344\CAD\Drawings\CAD\sheet\TC22.dgn

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

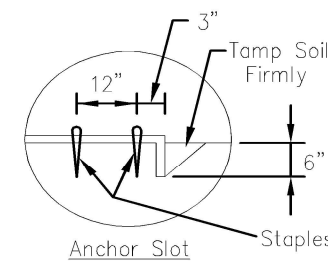
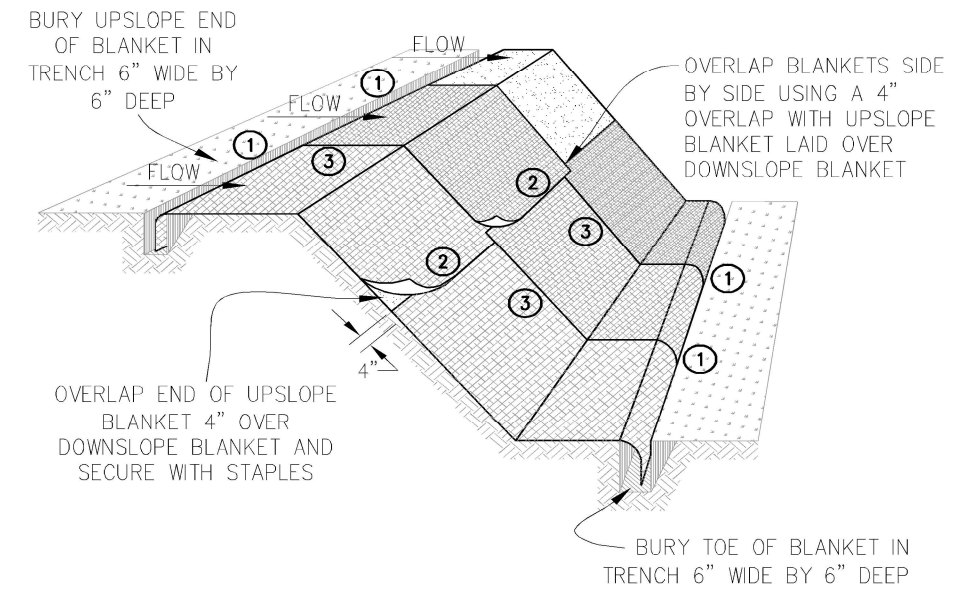
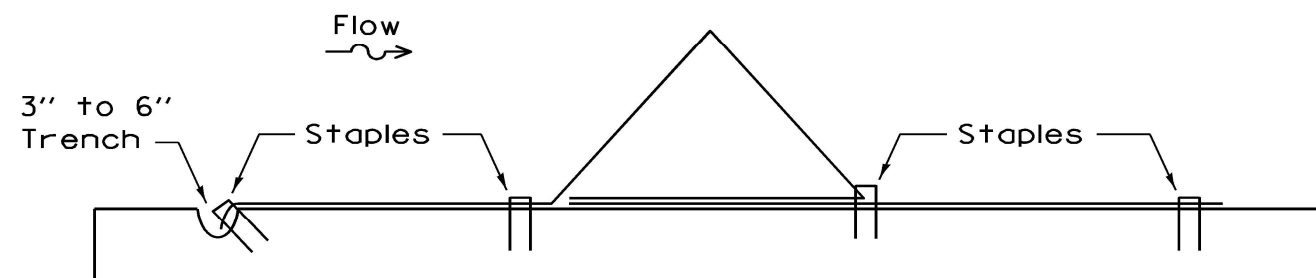
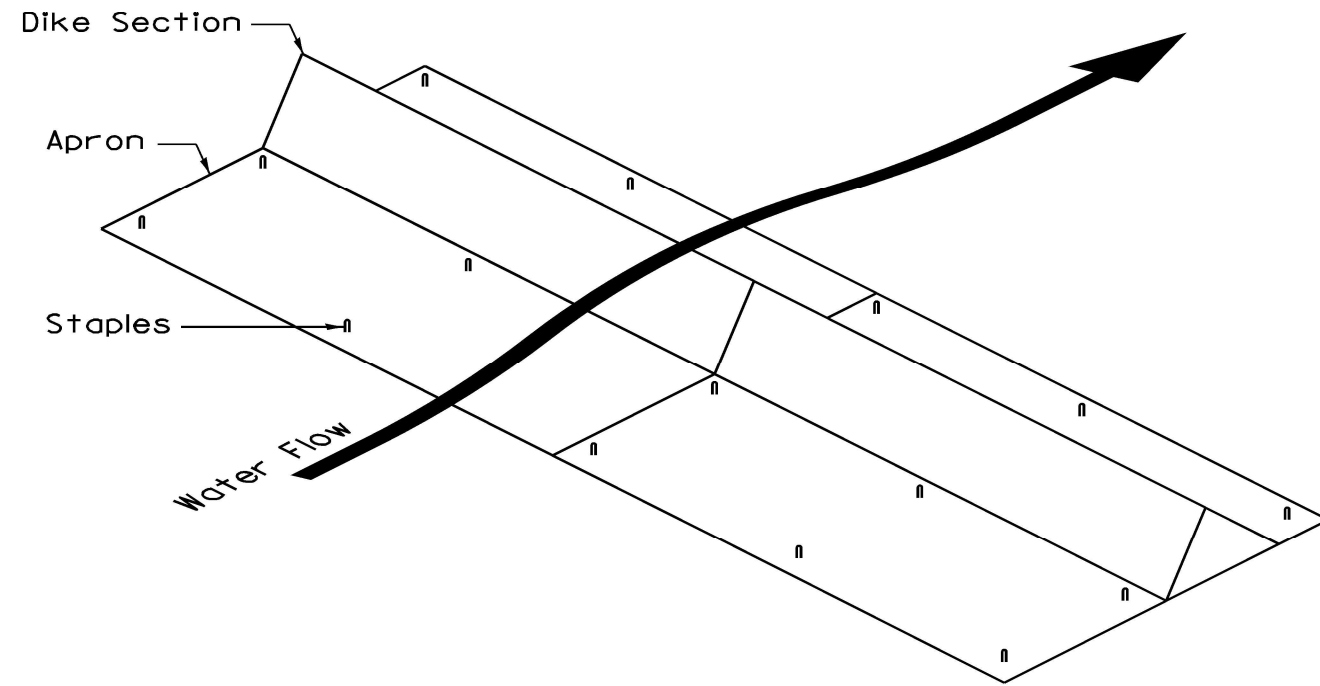
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

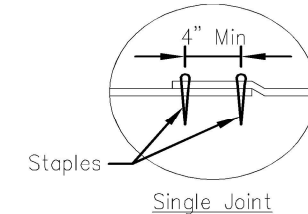
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	117
TC-22			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

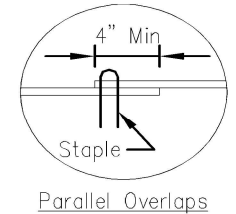
URETHANE FOAM GEOTEXTILES



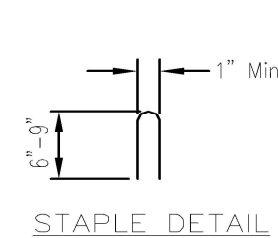
DETAIL 1



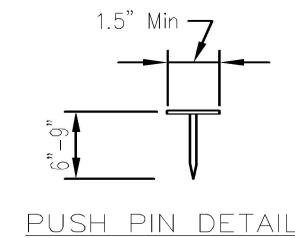
DETAIL 2



DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.
IUM-514
SHEET 1 OF 1
DATE 6-30-11

File No. IUM-530
Drawing No. _____
Sheet 1 of 1

EROSION CONTROL BLANKET INSTALLATION DETAILS

Designed	_____	Date	_____
Drawn	B. JOHNSON	Date	11/08
Checked	_____		
Approved	_____		

USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 04-03
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	DATE -	REVISED -

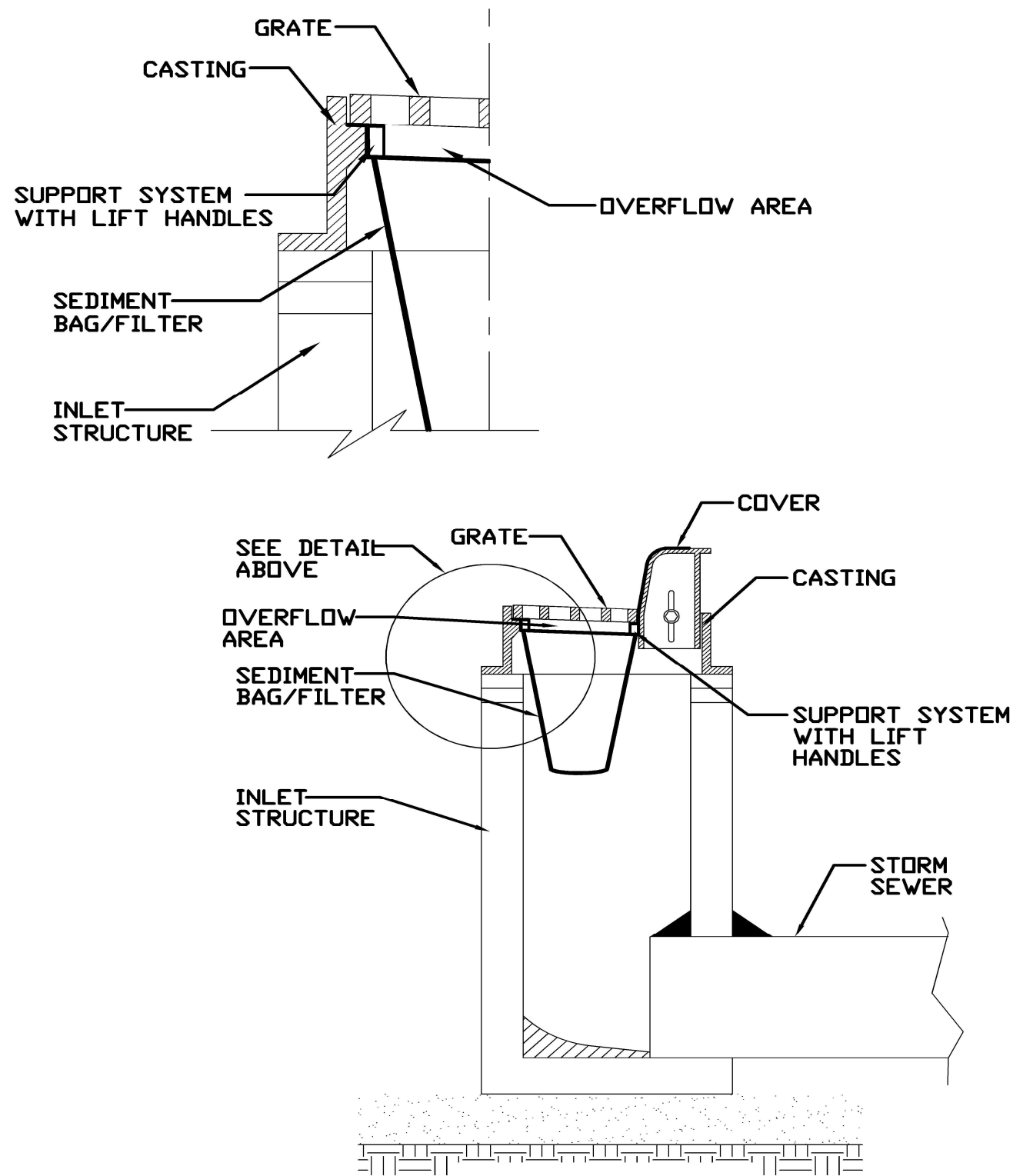
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEDIMENT AND EROSION CONTROL DETAILS

SCALE: NONE SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	118
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

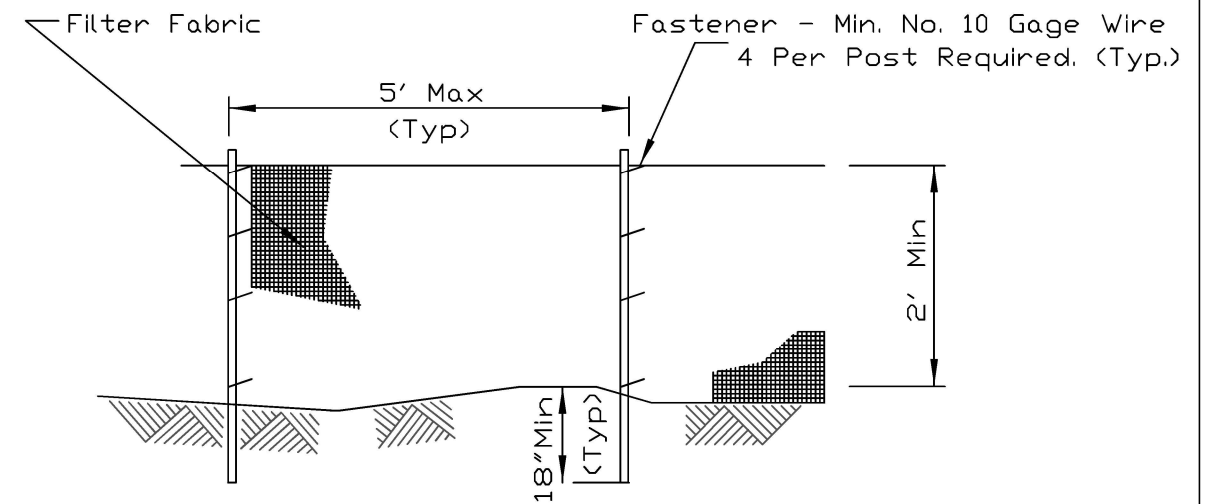


REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

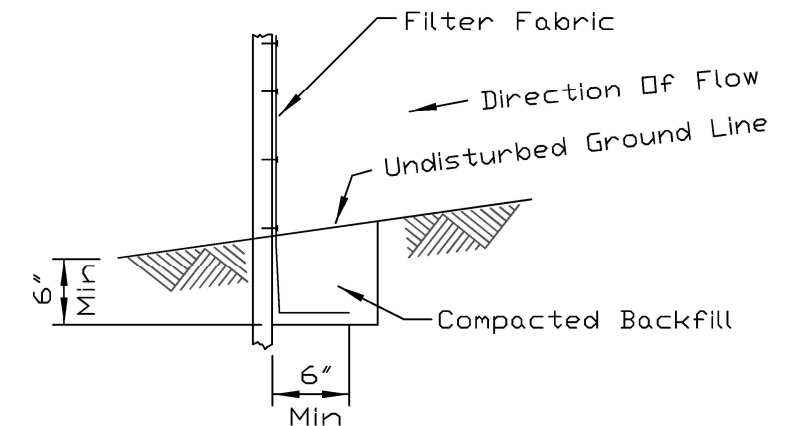


STANDARD DWG. NO.
IUM-561D
 SHEET 1 OF 1
 DATE 01-11-11

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
IUM-620A
 SHEET 1 OF 2
 DATE 3-16-12

USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 04-03
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	DATE -	REVISED -

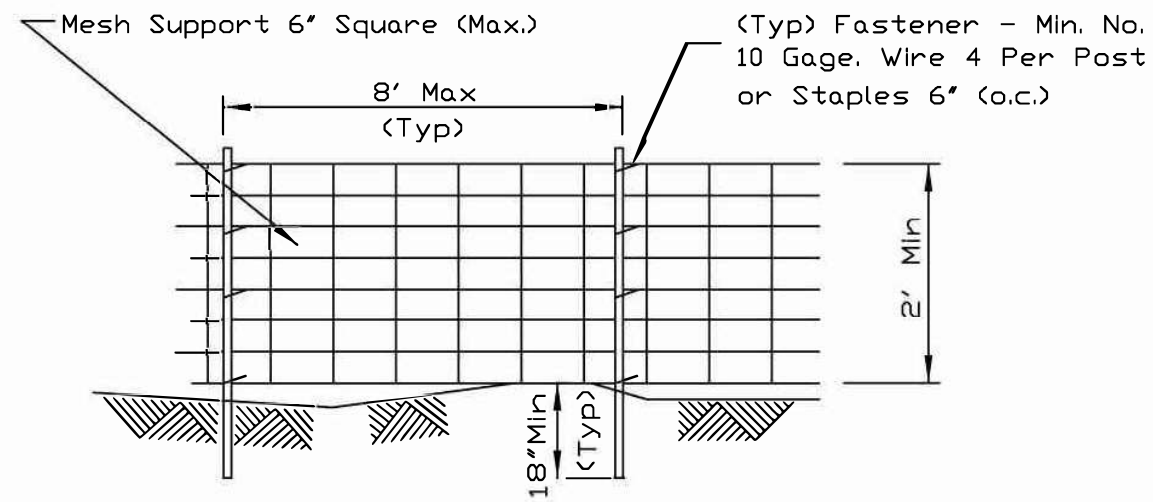
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SEDIMENT AND EROSION CONTROL
 DETAILS**

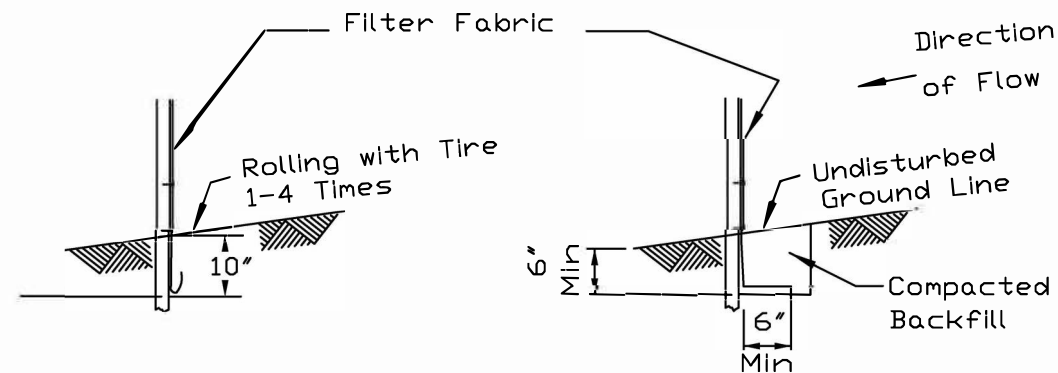
SCALE: NONE SHEET 2 OF 5 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	119
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

SILT FENCE WITH WIRE SUPPORT PLAN



ELEVATION



FABRIC ANCHOR DETAIL

STATIC SLICE INSTALLATION

TRENCH INSTALLATION

NOTES:

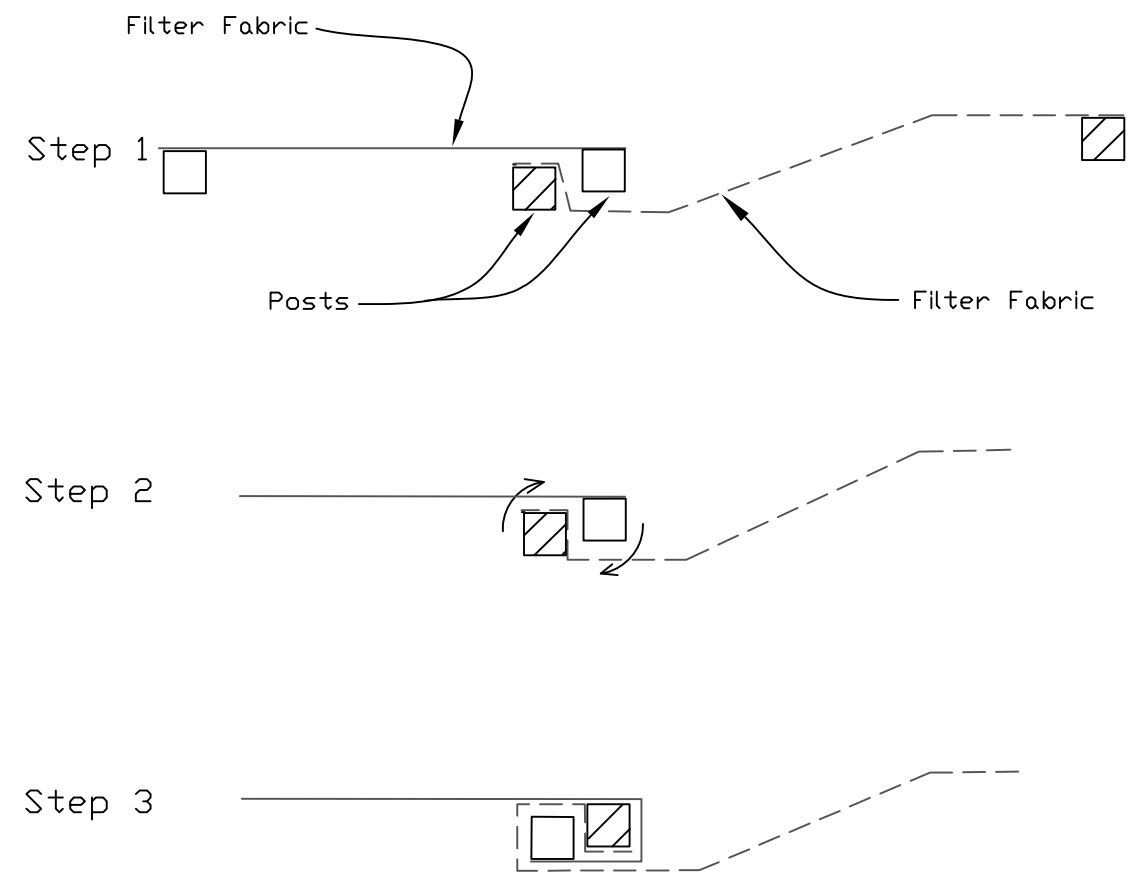
1. Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 .class2 with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project _____	DESIGNED _____ Date _____
Checked _____ Date _____	Approved _____ Date _____



STANDARD DWG. NO.
IUM-620A(W)
SHEET 1 OF 2
DATE 3-16-2012

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE Project _____	DESIGNED _____ Date _____
Checked _____ Date _____	Approved _____ Date _____



STANDARD DWG. NO.
IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012

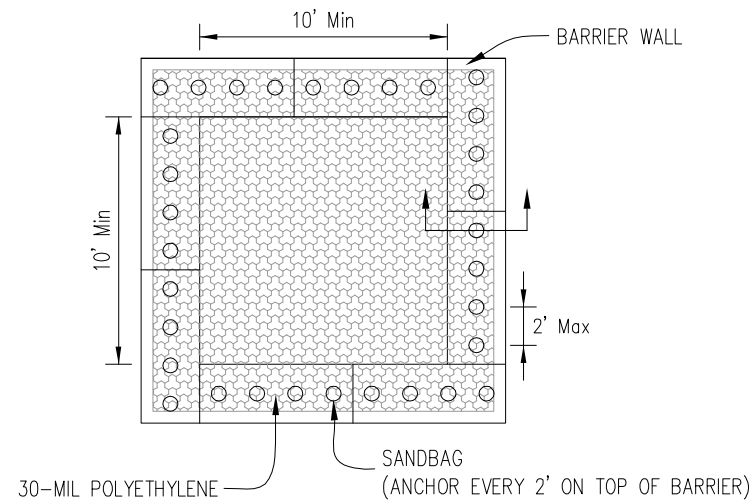
USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 04-03
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

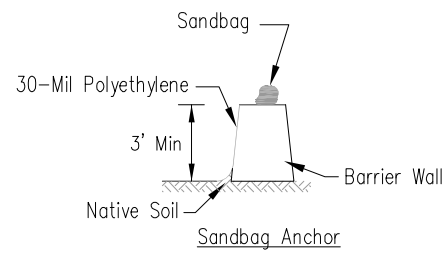
SEDIMENT AND EROSION CONTROL
DETAILS

SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

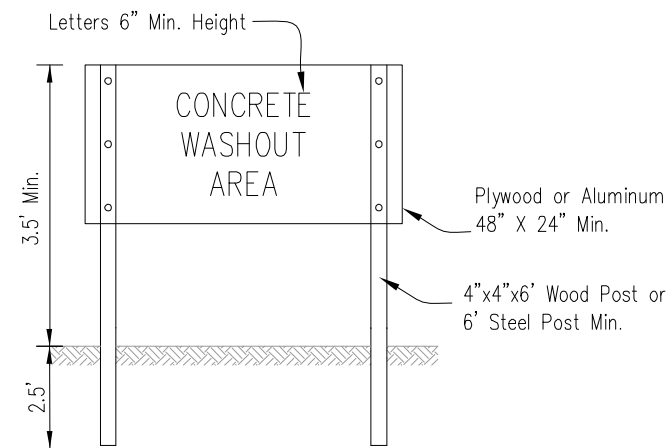
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	120
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				



PLAN VIEW



BARRIER WALL ANCHOR SECTION



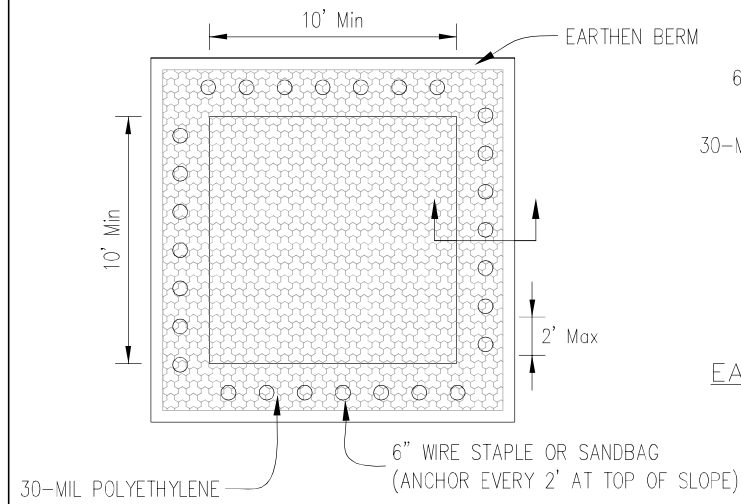
SIGN DETAIL

NOTES:

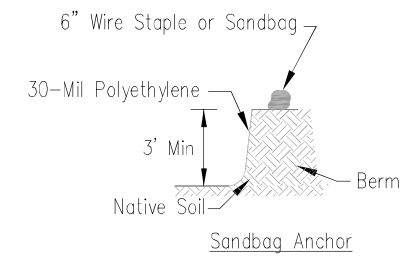
- Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 3 of 3	File No. IUM-65-48W	Drawn No.	DESIGNED -	DATE
			Designed	
			Drawn B. JOHNSON	6/08
			Checked	
			Approved	

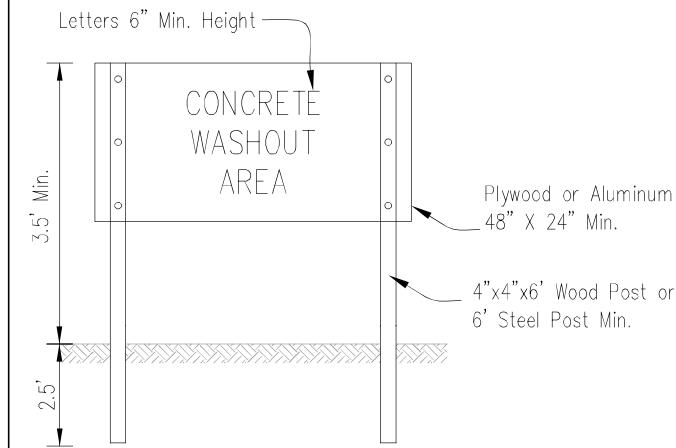
TEMPORARY CONCRETE WASHOUT FACILITY – BARRIER WALL



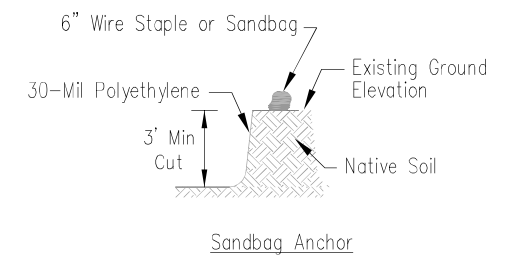
PLAN VIEW



EARTHEN BERM ANCHOR SECTIONS



SIGN DETAIL



SUBGRADE ANCHOR SECTIONS

NOTES:

- Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 2 of 3	File No. IUM-65-48W	Drawn No.	DESIGNED -	DATE
			Designed	
			Drawn B. JOHNSON	6/08
			Checked	
			Approved	

TEMPORARY CONCRETE WASHOUT FACILITY – EARTHEN TYPE

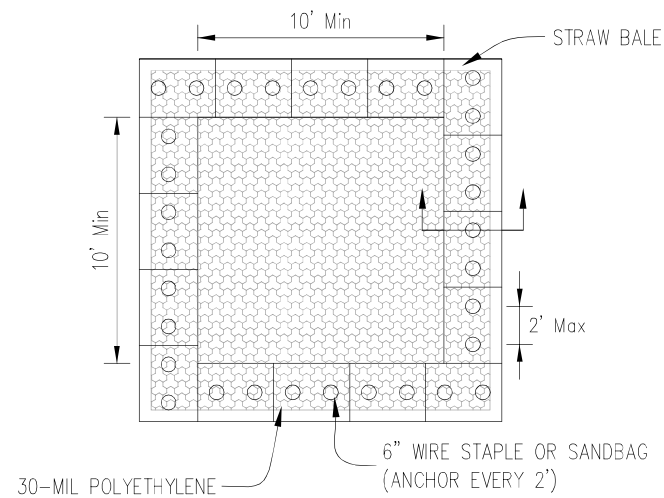
USER NAME = footemj	DESIGNED -	REVISED -	J.A.F. 04-03
	DRAWN -	REVISED -	S.P.B. 01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	S.P.B. 12-09
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

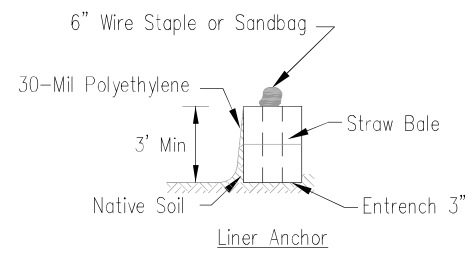
SEDIMENT AND EROSION CONTROL
DETAILS

SCALE: NONE SHEET 4 OF 5 SHEETS STA. TO STA.

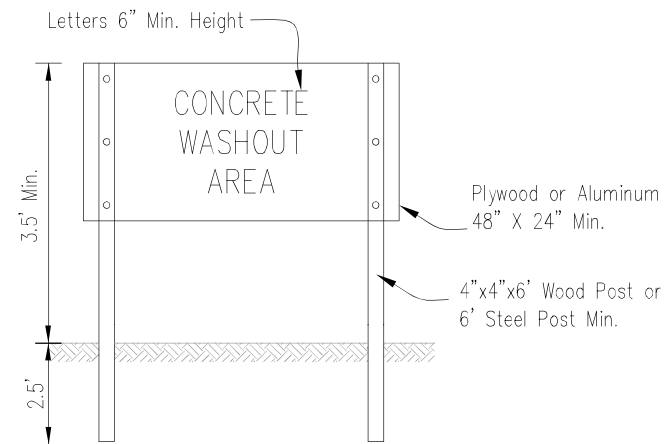
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	121
CONTRACT NO. 62M69			ILLINOIS FED. AID PROJECT	



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

Sheet 1 of 3	Drawing No. LW-6245B	Rev. No. 01	TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE		Designed _____	Date _____
			Drawn E. JOHNSON	6/08	Checked _____	Approved _____

USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 04-03
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED - S.P.B. 01-07
PLOT DATE = 3/4/2019	CHECKED -	REVISED - S.P.B. 12-09
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEDIMENT AND EROSION CONTROL
DETAILS

SCALE: NONE SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	122
			CONTRACT NO. 62M69	
		ILLINOIS FED. AID PROJECT		