

PROPOSED HIGHWAY PLANS

**FAU ROUTE 3887 IL 31 (LA FOX ST)
OVER DITCH
SECTION: 2018-042-CR
PROJECT: STP-BKRQ(921)
CULVERT REPLACEMENT AND ADA IMPROVEMENTS
S.N. 045-8302 (PROP.), S.N. 045-0218 (EXIST.)
KANE COUNTY**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	1
ILLINOIS			CONTRACT NO. 62H02	

* 54 + 2 = 56 TOTAL SHEETS

D-91-363-18



LOCATION OF SECTION INDICATED THUS: - [shaded area]

SE3, LLC
JASON W. DOVE, P.E.
Jason W. Dove
DATE: 09/22/2022

LICENSED PROFESSIONAL ENGINEER
JASON W. DOVE
062.054127
OF ILLINOIS
EXPIRES: 11/30/2023

SIGNATURE AND SEAL APPLIES TO DRAWING(S) 1-22, 37-53

SE3, LLC
RYAN R. DOERRER, S.E.
Ryan R. Doerr
DATE: 09/22/2022

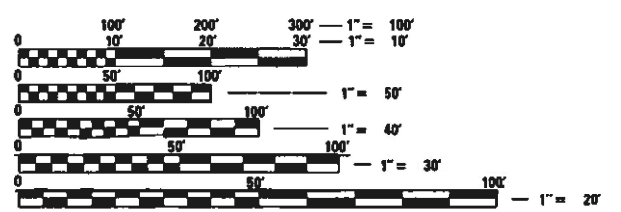
LICENSED STRUCTURAL ENGINEER
RYAN R. DOERRER
081-007941
STATE OF ILLINOIS
EXPIRES: 11/30/2022

SIGNATURE AND SEAL APPLIES TO DRAWING(S) 23-36

THIS IMPROVEMENT IS LOCATED WITHIN THE VILLAGE OF SOUTH ELGIN.

DESIGN DESIGNATION
- MINOR ARTERIAL ROUTE AT SOUTHERN AND NORTHERN END OF PROJECT LIMITS

TRAFFIC DATA
ADT (2019) = 6100
POSTED SPEED = 40 MPH
DESIGN SPEED = 40 MPH
P.V. = 94.5% TRUCKS = 5.5%



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

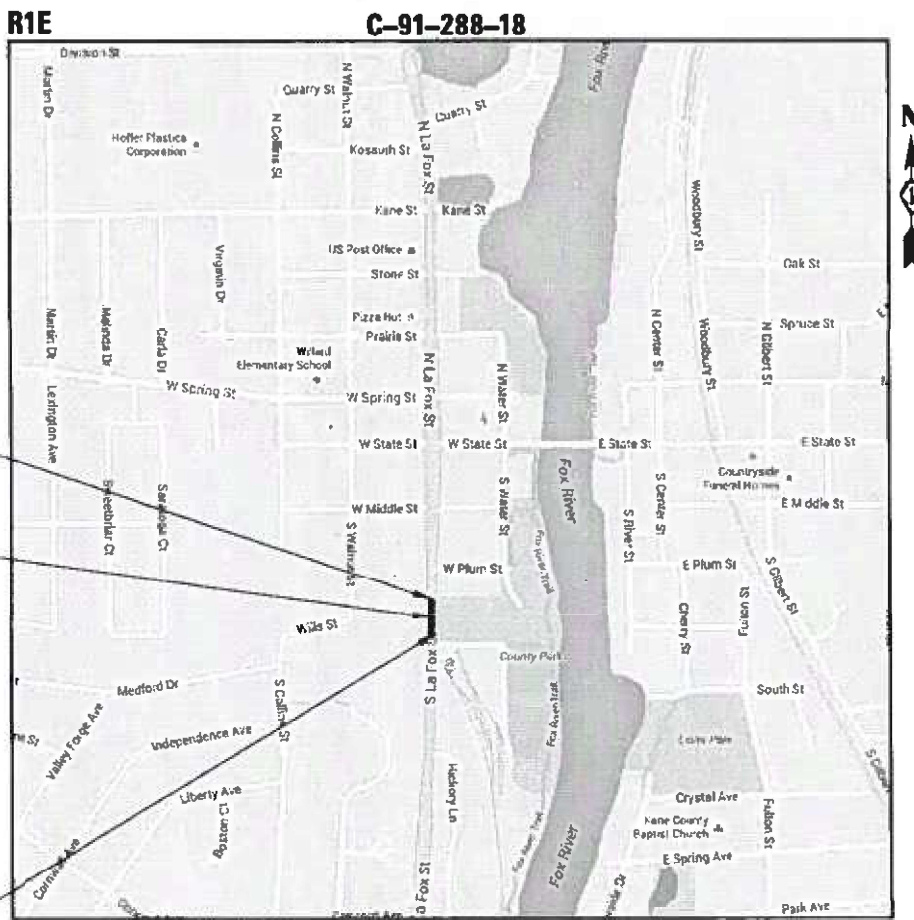
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT MANAGER: J. ALAIN MIDY, PE (847) 221-3056
PROJECT ENGINEER: PRAVEEN KAINI, PE (847) 705-4237
CONTRACT NO. 62H02

**END IMPROVEMENT
STA 51+80**

**IL 31 (LA FOX ST)
OVER UNNAMED DITCH
S.N. 045-8302 (PROP.)
S.N. 045-0218 (EXIST.)**

**BEGIN IMPROVEMENT
STA 48+00**



**LOCATION MAP
(NOT TO SCALE)**

GROSS LENGTH = 300 FT. = 0.072 MILES
NET LENGTH = 300 FT. = 0.072 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *October 18, 2022*
Jose Pineda
REGIONAL ENGINEER
December 9, 2022

Steph M. Spina
ENGINEER OF DESIGN AND ENVIRONMENT
December 9, 2022
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
3	HMA MIX TABLE
4-7	SUMMARY OF QUANTITIES
8	EARTHWORK SCHEDULE
9	TYPICAL SECTIONS
10	ALIGNMENT, TIES & BENCHMARKS
11	REMOVAL PLAN
12-13	ROADWAY PLAN AND DETAIL
14-16	MAINTENANCE OF TRAFFIC DETOUR
17	EROSION CONTROL PLAN
18	DRAINAGE AND UTILITY PLANS
19-20	PLAT OF HIGHWAY
21	ADA DETAILS
22	PAVEMENT MARKING AND SIGNING
23-36	S.N. 045-8302 - IL 31 (LA FOX STREET) OVER UNNAMED DITCH
37	RAILROAD PLAN AND PROFILE
38-41	CROSS SECTIONS
42-53	DISTRICT ONE DETAILS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-04	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602701-02	MANHOLE STEPS
604091-05	FRAME AND GRATE TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)
635001-02	DELINEATORS
664001-02	CHAIN LINK FENCE
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

DISTRICT DETAILS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER < 15' (4.5 m)
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-26	DRIVEWAY ENTRANCE SIGNING

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
- ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WITHIN THE RIGHT-OF-WAY OR EASEMENTS TO LOCATE UTILITIES AND CONTACT THE OWNER'S REPRESENTATIVE SHOULD PUBLIC UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL TAKE CARE TO PROTECT ALL SIGNS ALONG THE ROUTE OF CONSTRUCTION. SIGNS SHALL BE REMOVED IF THEY ARE IN CONFLICT WITH PROPOSED WORK AND APPROVED BY ENGINEER. ALL LABOR NECESSARY TO COMPLY WITH THE RELOCATION OF SIGNS SHALL BE INCLUDED IN THE CONTRACT WITHOUT ANY EXTRA COMPENSATION ALLOWED TO THE CONTRACTOR ACCORDING TO ART. 107.25, UNLESS MARKED ON PLANS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR 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 PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO 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.
- A PAVEMENT SAWCUT FOR REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR REQUIRED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
- AT THE TIME OF THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL OF THE PROPOSED CONCRETE TRUCK WASHOUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STORM SEWER OR DITCH SYSTEMS.
- MAINTAINING DRAINAGE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS CONSTRICTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION PROJECT. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR: KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO THE COMMENCEMENT OF WORK.
- LAYOUT AND STAKING FOR ALL CONSTRUCTION OPERATIONS SHALL BE PROVIDED BY THE CONTRACTOR.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PRIOR TO ORDERING AND/OR BEGINNING RAILROAD TRACKWORK, CONTACT THE FOX RIVER TROLLEY MUSEUM (MUSEUM) ENGINEER, EDWARD KONECKI (edwardkonecki@aol.com).
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS1 OR RR1.
- THIS PROJECT REQUIRES AN US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN 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.
- A NOMINAL QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT (CU YD) OF 12 INCHES WAS ADDED FOR ESTIMATING PURPOSES. THIS MATERIAL SHOULD BE USED TO REPLACE ANY UNSUITABLE SOILS BELOW THE BOTTOM OF THE IMPROVED SUBGRADE LAYER THAT ARE ENCOUNTERED IN THE FIELD DURING CONSTRUCTION. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD) SHALL BE PLACED AT THE BASE OF THESE UNDERCUT AREAS WHERE LOW STRENGTH SUBGRADE SOILS ARE ENCOUNTERED. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. ANY MATERIAL NOT NEEDED FOR UNDERCUT REPLACEMENT AT THE TIME OF CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.

COMMITMENTS:

NONE

USER: jfdave
 MODEL: Detail
 FILE: M:\HWY_209_004_IDOT_PTB_190_14_Phase II_Via-Vari-Design\WG_2_62H02\CADD\CADD_Sheets\02H02-Sub-1-gm-misc.dgn



PLOT DRIVER = pdfNOLAYERShow.plt	DESIGNED -	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/30/2022 9:29:49 AM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	2
CONTRACT NO. 62H02				
ILLINOIS		FED. AID PROJECT 51P-BKRO(921)		

USER: idowc
 FILE: I:\Users\idowc\Documents\2019_004_IDOT_PTB_190_14_Phase II_Voc-Asph-Des-Asph-WG_2_62102\CD\CD\CADD_Sheets\0162H02-ent-mixtable.dgn
 FILE: 2019_004_IDOT_PTB_190_14_Phase II_Voc-Asph-Des-Asph-WG_2_62102\CD\CD\CADD_Sheets\0162H02-ent-mixtable.dgn

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" IL-9.5 N70 (2 INCH)	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, 10 INCH (HMA BINDER COURSE, IL-19.0)	4% @ 70 GYR	QC/QA
PAVEMENT RESURFACING & WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" IL-9.5 N70 (2 INCH)	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE WIDENING, 10 INCH (HMA BINDER COURSE, IL-19.0)	4% @ 70 GYR	QC/QA
SHOULDER RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" IL-9.5 N70 (2 INCH)	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (6 INCH)	4% @ 70 GYR	QC/QA
PAVEMENT PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE(QC/QA)		

HMA MIXTURE 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 RECLAIMED MATERIALS SPECIFICATIONS.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE AND THE HMA BASE COURSE WIDENING 10".



PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JWD	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:54:42 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HOT-MIX ASPHALT MIX TABLE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	3
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRO(921)				

USER: spohnson
 FILE: I:\Projects\2018\2018-04-14 Phase II Vrac-Vac-Design\W02_2 62H02\CADD\CADD_Sheets\02\2018-04-14 Phase II Vrac-Vac-Design\W02_2 62H02\CADD\CADD_Sheets\02.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004
				80% FED 20% STATE
				URBAN
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	184	184
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	147	147
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	37	37
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	421	421
40600982	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	21	21
* 40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	105	105
40600370	LONGITUDINAL JOINT SEALANT	FOOT	325	325
* 42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	184	184
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	132	132
* 42400800	DETECTABLE WARNINGS	SQ FT	13	13
44000100	PAVEMENT REMOVAL	SQ YD	143	143
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	735	735
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	162	162
44000400	GUTTER REMOVAL	FOOT	34	34
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	411	411
44000600	SIDEWALK REMOVAL	SQ FT	151	151
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	124	124
48101498	AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	81	81
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	130	130
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50200100	STRUCTURE EXCAVATION	CU YD	66	66
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	39	39
50300255	CONCRETE SUPERSTRUCTURE	CU YD	86.9	86.9
50300285	FORM LINER TEXTURED SURFACE	SQ FT	1,475	1,475
50500505	STUD SHEAR CONNECTORS	EACH	256	256



PLOT DRIVER = pdfNOLAYERSbw.pltcf	DESIGNED - WL	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - SVJ	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/20/2022 2:26:03 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: 2.0000' / in. SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	5
CONTRACT NO. 62H02			ILLINOIS FED. AID PROJECT STP-BKRQ(921)	

USER: spjohson
 MODEL: Definit
 FILE NAME: PLOT_209_004_PLOT_PTB_190_14_Phase II Var-Var Design\WG 2 62H02\CADD\CADD_Sheets\190126\202-shr-sq-03.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0004
				80% FED 20% STATE
				URBAN
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	15,420	15,420
50901720	BICYCLE RAILING	FOOT	170	170
51500100	NAME PLATES	EACH	1	1
52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	622	622
52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	1,850	1,850
52200205	DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	1,629	1,629
52200250	UNTREATED TIMBER LAGGING	SQ FT	1,369	1,369
54011006	PRECAST CONCRETE BOX CULVERTS 10' X 6'	FOOT	65	65
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	279	279
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	80	80
58700300	CONCRETE SEALER	SQ FT	1,286	1,286
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	166	166
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2
* 60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	45	45
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	833	833
60201340	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE	EACH	9	9
60500050	REMOVING CATCH BASINS	EACH	1	1
60500060	REMOVING INLETS	EACH	1	1
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	46	46
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	595	595
63200310	GUARDRAIL REMOVAL	FOOT	140	140
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	270	270
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1

* SPECIALTY ITEM



PLOT DRIVER = pdfNOLAYERSbw.pltcf	DESIGNED - WL	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - SVJ	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/20/2022 2:26:05 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: 2.0000' / in. SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	6
			CONTRACT NO. 62H02	
[ILLINOIS FED. AID PROJECT STP-BKRQ(921)]				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004
				80% FED 20% STATE
				URBAN
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	40	40
67100100	MOBILIZATION	L SUM	1	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	28	28
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	15	15
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	30	30
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	922	922
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	20	20
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	20	20
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	15	15
X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1	1
X2010400	STUMP REMOVAL ONLY	UNIT	278	278
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1
Z0007120	WELDED WIRE FABRIC 6X6	SQ YD	184	184
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	13	13
Z0054400	ROCK FILL	CU YD	39	39
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4	4
Z0076600	TRAINEES	HOURL	1000	1000
Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURL	1000	1000
Z0076302	RAILROAD TRACKWORK	L SUM	1	1

* SPECIALTY ITEM

USER: spohnson
 MODEL: Definit
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II_Ver-Vg_Design\WO 2_62H02\CADD\CADD_Sheets\ID162H02-shl-sep-04.dgn



PLOT DRIVER = pdfNOLAYERSbw.pltcrfg	DESIGNED - WL	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - SVJ	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/20/2022 2:26:06 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: 2.0000' / in.	SHEET 4	OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	7
			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRG(921)				

EARTHWORK SCHEDULE

STATION	LENGTH (ft)	CUT END AREA (SQ FT)	CUT VOLUME (CU YD)	FILL END AREA (SQ FT)	FILL VOLUME (CU YD)	TOPSOIL STRIPPING END AREA (SQ FT)	TOPSOIL STRIPPING VOLUME (CU YD)	TOPSOIL PLACEMENT END AREA (SQ FT)	TOPSOIL PLACEMENT VOLUME (CU YD)
47+95.00		15.68		0.00		12.83		11.00	
48+00.00	5.00	13.46	2.70	0.00	0.00	10.49	2.16	8.70	1.82
48+20.00	20.00	11.62	9.29	7.82	2.90	8.73	7.12	5.90	5.41
48+40.00	20.00	28.98	15.04	0.00	2.90	5.33	5.21	4.70	3.93
48+60.00	20.00	42.51	26.48	0.00	0.00	5.02	3.83	3.20	2.93
48+80.00	20.00	18.30	22.52	8.25	3.06	9.31	5.31	7.70	4.04
49+00.00	20.00	50.77	25.58	3.83	4.47	0.00	3.45	5.80	5.00
49+20.00	20.00	36.04	32.15	2.05	2.18	4.49	1.66	6.90	4.70
49+40.00	20.00	35.45	26.48	109.58	41.34	12.19	6.18	22.00	10.70
49+60.00	20.00	28.83	23.81	129.69	88.62	13.36	9.46	24.10	17.07
49+80.00	20.00	223.32	93.39	94.70	83.11	9.31	8.40	19.50	16.15
50+00.00	20.00	0.00	82.71	62.72	58.30	0.00	3.45	11.80	11.59
50+20.00	20.00	75.68	28.03	119.18	67.37	11.61	4.30	22.80	12.81
50+40.00	20.00	21.04	35.82	57.22	65.33	20.57	11.92	24.50	17.52
50+60.00	20.00	10.10	11.53	28.78	31.85	11.64	11.93	13.80	14.19
50+80.00	20.00	34.43	16.49	6.82	13.19	12.46	8.93	13.00	9.93
51+00.00	20.00	34.64	25.58	0.00	2.53	7.62	7.44	6.90	7.37
51+20.00	20.00	32.34	24.81	0.00	0.00	6.47	5.22	4.80	4.33
51+40.00	20.00	37.16	25.74	0.00	0.00	4.83	4.19	3.30	3.00
51+60.00	20.00	37.58	27.68	0.00	0.00	4.38	3.41	2.80	2.26
51+80.00	20.00	0.00	13.92	0.00	0.00	0.00	1.62	0.00	1.04
TOTAL			569.75		467.14		115.17		155.79

USER: idarc
 FILE: I:\E:\h
 FILE NAME: PLOT_209_004_IDOT_PTB_190_14_Phase II_Voc-Iar-Dra-Prm-WG_2_62H02\CADD\CADD_Sheet1D1E2H02-ent-earthwork.dgn



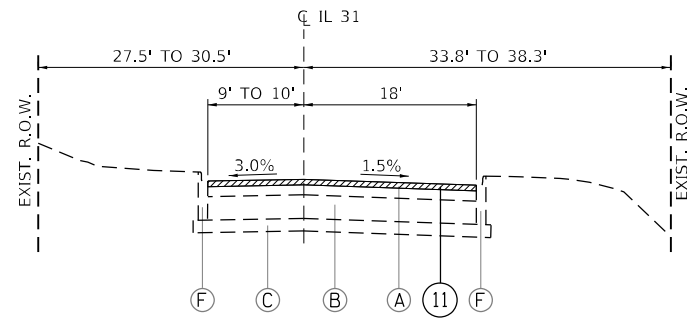
PLOT DRIVER = pdfNOLAYERSbw.pltcf	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JWD	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:54:48 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

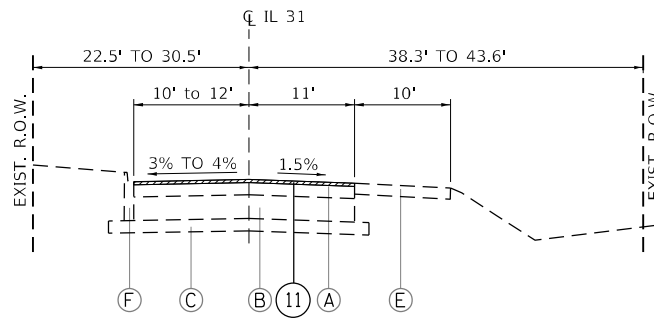
EARTHWORK SCHEDULE

SCALE: 2.0000' / in. SHEET 1 OF 1 SHEETS STA. TO STA.

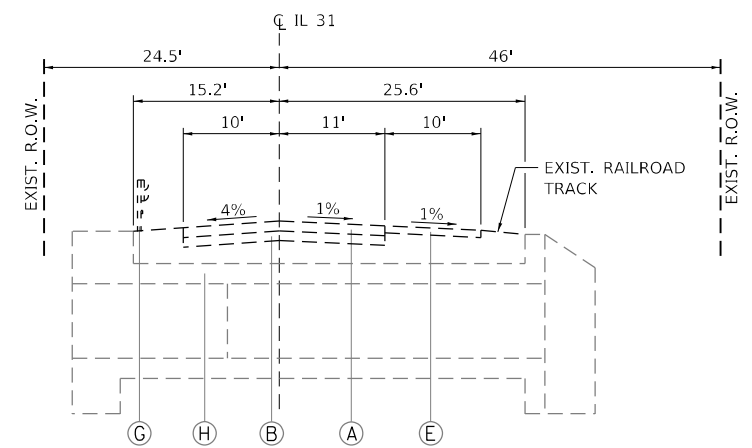
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	8
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				



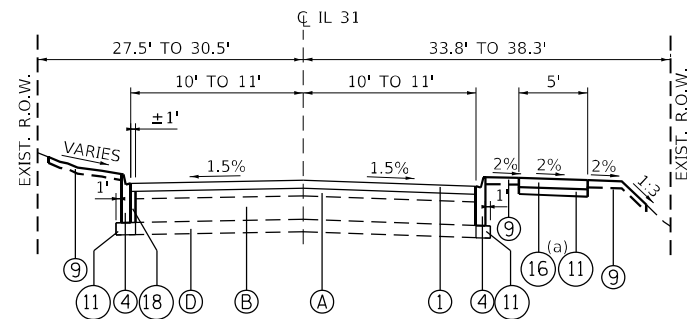
EXISTING TYPICAL SECTION
STA 48+00 TO STA 49+00



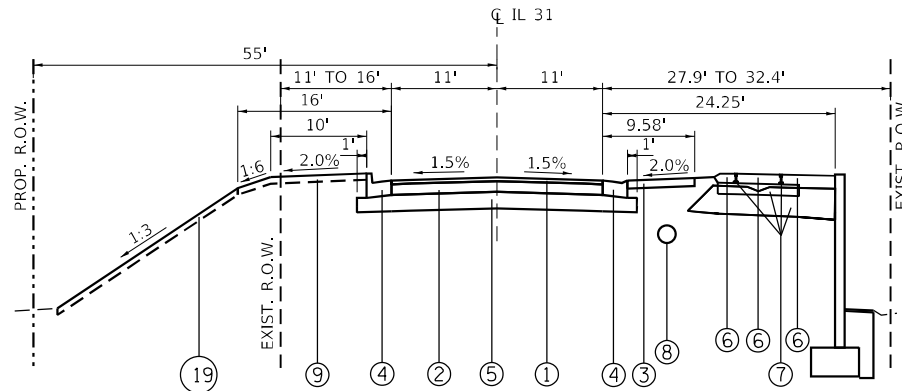
EXISTING TYPICAL SECTION
STA 49+00 TO STA 49+94
STA 50+03.40 TO STA 52+50



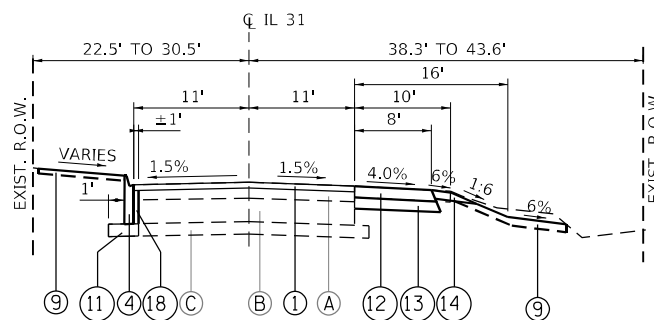
EXISTING TYPICAL SECTION
STA 49+94 TO STA 50+03.40



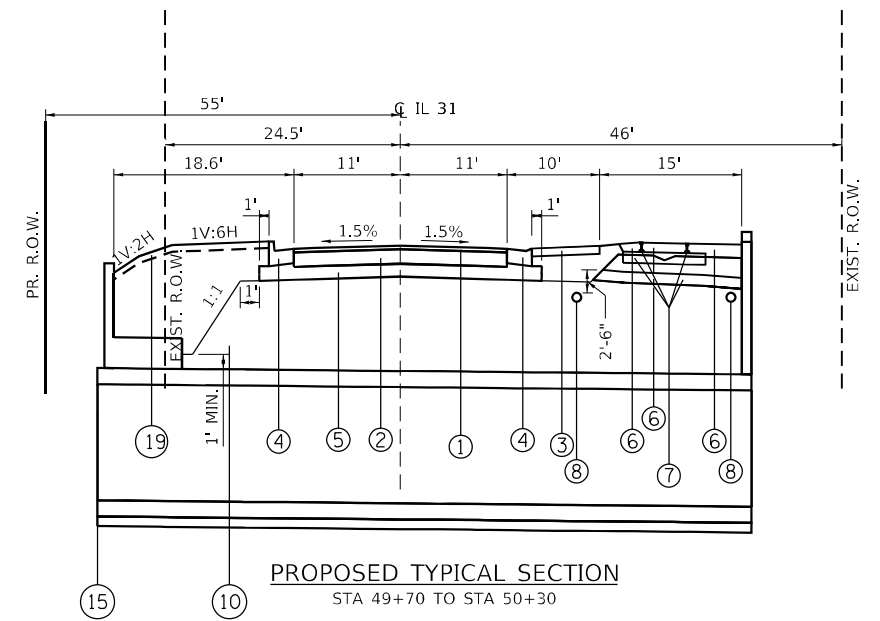
PROPOSED TYPICAL SECTION
(a) STA 47+95 TO STA 48+35.9
STA 47+95 TO STA 49+70
STA 50+30 TO STA 50+62.5



PROPOSED TYPICAL SECTION
STA 49+00 TO STA 52+50



PROPOSED TYPICAL SECTION
STA 50+62.5 TO STA 51+80



PROPOSED TYPICAL SECTION
STA 49+70 TO STA 50+30

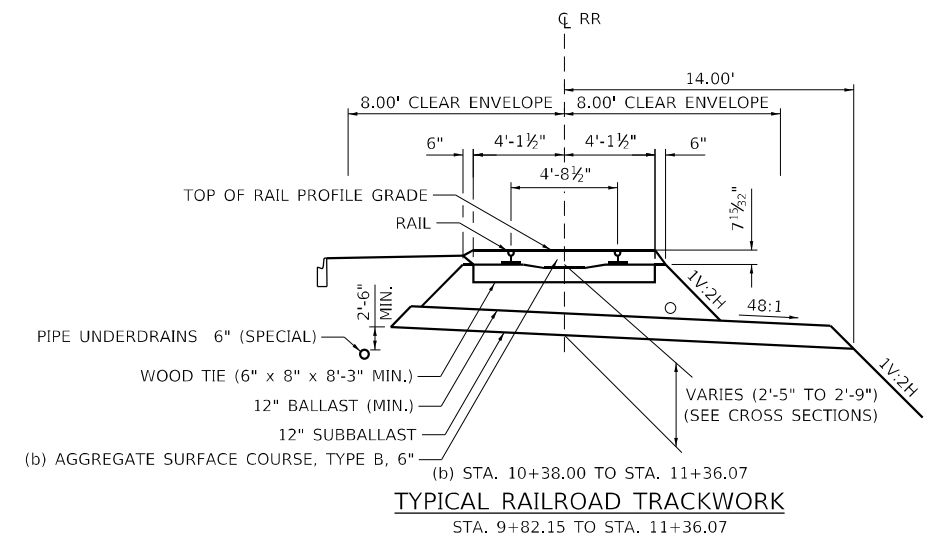
LEGEND

EXISTING TYPICAL SECTION

- (A) EXISTING HMA PAVEMENT
- (B) EXISTING PCC PAVEMENT
- (C) EXISTING AGGREGATE SUBGRADE
- (D) EXISTING PCC SUBGRADE
- (E) EXISTING AGGREGATE SHOULDER
- (F) EXISTING B-6.12 CURB AND GUTTER
- (G) EXISTING GUARDRAIL
- (H) EXISTING CULVERT

PROPOSED TYPICAL SECTION

- (1) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (2")
- (2) PROPOSED HOT-MIX ASPHALT BASE COURSE, 10"
- (3) PROPOSED TOPSOIL FURNISH AND PLACE, 5" (FUTURE SIDEWALK BY OTHERS)
- (4) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) PROPOSED AGGREGATE SURFACE COURSE, TYPE B, 6" (INCLUDED AS PART OF THE RAILROAD TRACKWORK)
- (7) PROPOSED RAILROAD TRACKWORK
- (8) PROPOSED PIPE UNDERDRAINS, TYPE 1, 6"
- (9) PROPOSED TOPSOIL 4" AND SOD OR SEED
- (10) PROPOSED POROUS GRANULAR BACKFILL
- (11) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (12) PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- (13) PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
- (14) PROPOSED AGGREGATE SHOULDERS, TYPE B 4"
- (15) PROPOSED CULVERT
- (16) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (17) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (18) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10"
- (19) PROPOSED TOPSOIL 6" AND SOD OR SEED (SLOPES GREATER THAN 1:6 OR AREAS ABOVE AGGREGATE)



TYPICAL RAILROAD TRACKWORK
(b) STA. 10+38.00 TO STA. 11+36.07
STA. 9+82.15 TO STA. 11+36.07

USER: s00vc
C:\PLOT\PLT\PLT_PEN.PEN
FILE NAME: PLOT_209_004.IDOT.PTB_190_14 Phase II Vocabular Diagrams 2 621023CADD\CADD_Sheet1D1E2H02-ent-typical.dgn



PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN -
PLOT SCALE = 40,0000 */ in.	CHECKED -
PLOT DATE = 10/18/2022 2:54:50 PM	DATE - 09/22/2022
	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

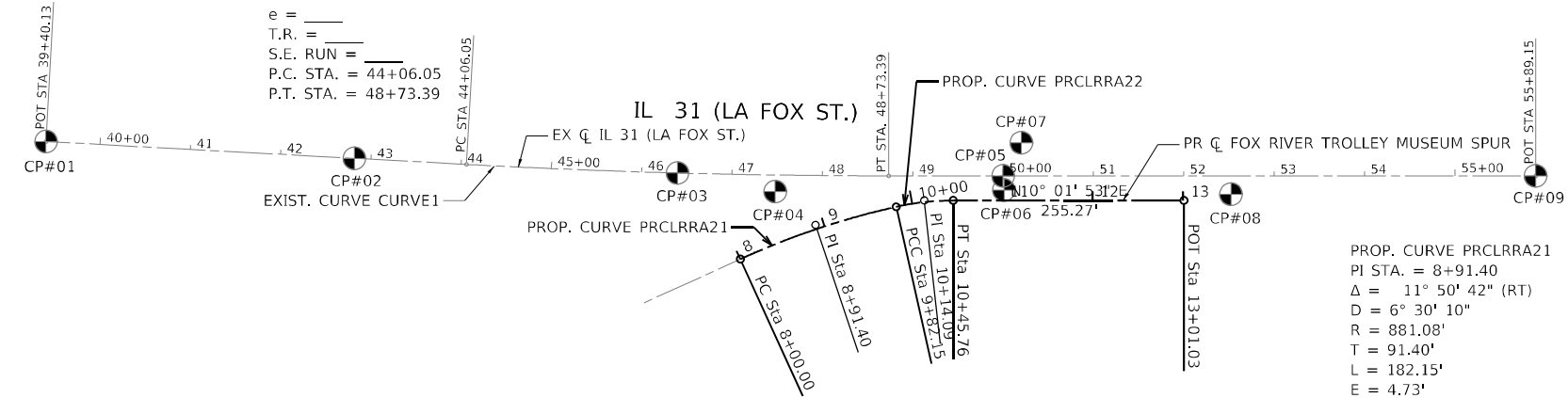
F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53	SHEET NO. 9
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

CONTROL POINTS						
POINT ID	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
CP01	E_IL31	39+40.13	0.00'	1938471.1283	994049.1217	768.90
CP02	E_IL31	42+81.86	0.00'	1938812.3437	994067.8990	758.68
CP03	E_IL31	46+39.66	0.00'	1939169.7474	994084.2973	740.15
CP04	E_IL31	47+48.07	18.32' RT	1939277.8631	994104.9396	734.73
CP05	E_IL31	50+00.00	0.00'	1939530.0576	994087.7285	722.44
CP06	E_IL31	50+00.84	15.68' RT	1939530.8960	994103.3482	722.36
CP07	E_IL31	50+20.16	36.65' LT	1939550.2418	994051.0309	714.98
CP08	E_IL31	52+52.15	20.37' RT	1939782.1972	994108.1756	719.48
CP09	E_IL31	55+89.15	0.00'	1940119.2119	994087.9911	715.88

ALIGNMENT COORDINATES - IL 31				
POT	STATION	NORTHING	EASTING	CURVE
POT	39+40.13	1938471.1283	994049.1217	
PC	44+06.05	1938936.3513	994074.6596	EXIST. CURVE CURVE1
PI	46+39.78	1939169.7240	994087.4703	EXIST. CURVE CURVE1
PT	48+73.39	1939403.4480	994087.5985	EXIST. CURVE CURVE1
PT	55+89.15	1940119.2119	994087.9911	

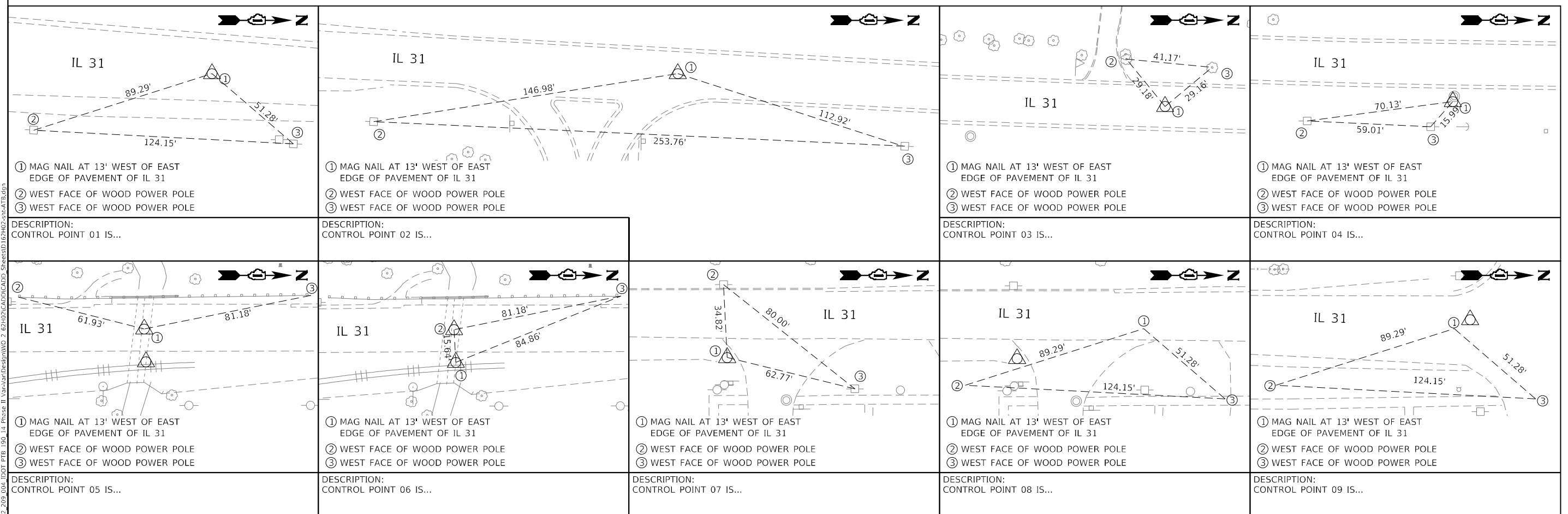
ALIGNMENT COORDINATES - FOX RIVER TROLLEY MUSEUM SPUR				
POT	STATION	NORTHING	EASTING	CURVE
POB	8+00.00	1,939,239.2940	994,179.6848	PROP. CURVE PRCLRRA21
PI	8+91.40	1,939,322.4853	994,141.8262	PROP. CURVE PRCLRRA21
PCC	9+82.15	1,939,411.6761	994,121.8501	PROP. CURVE PRCLRRA21/22
PI	10+14.09	1,939,442.8411	994,114.8701	PROP. CURVE PRCLRRA22
PT	10+45.76	1,939,474.7781	994,114.8876	PROP. CURVE PRCLRRA22
POE	13+01.03	1,939,730.0463	994,115.0276	

EXIST. CURVE CURVE1
 PI STA. = 46+39.78
 $\Delta = 3^\circ 06' 38''$ (LT)
 $D = 0^\circ 39' 56''$
 $R = 8,608.04'$
 $T = 233.72'$
 $L = 467.33'$
 $E = 3.17'$
 $e = \text{---}$
 T.R. = ---
 S.E. RUN = ---
 P.C. STA. = 44+06.05
 P.T. STA. = 48+73.39



PROP. CURVE PRCLRRA21
 PI STA. = 8+91.40
 $\Delta = 11^\circ 50' 42''$ (RT)
 $D = 6^\circ 30' 10''$
 $R = 881.08'$
 $T = 91.40'$
 $L = 182.15'$
 $E = 4.73'$
 $e = \text{---}$
 T.R. = ---
 S.E. RUN = ---
 P.C. STA. = 8+00.00
 P.T. STA. = 9+82.15

PROP. CURVE PRCLRRA22
 PI STA. = 10+14.09
 $\Delta = 12^\circ 39' 20''$ (RT)
 $D = 19^\circ 53' 40''$
 $R = 288.00'$
 $T = 31.94'$
 $L = 63.61'$
 $E = 1.77'$
 $e = \text{---}$
 T.R. = ---
 S.E. RUN = ---
 P.C. STA. = 9+82.15
 P.T. STA. = 10+45.76



USER: idow
 C:\PLOT\PLT
 FILE NAME: PLOT_2019_004_PLOT_PTB_190_1.d
 Phase II Vertical Design\WG_2_62102\KADR\CADD_Sheet101E2H02.dwg



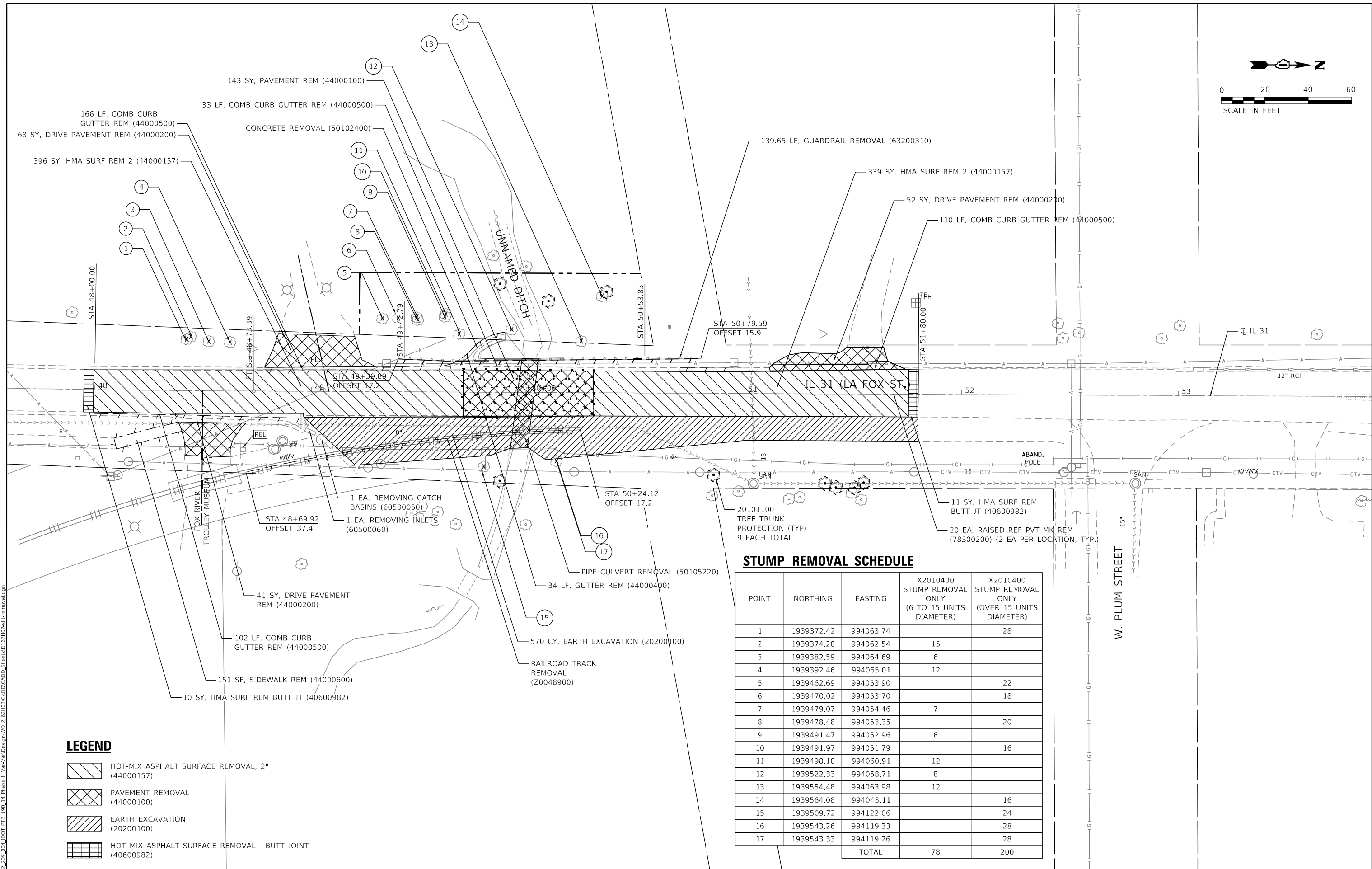
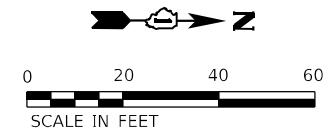
PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - SVJ	REVISED -
PLOT SCALE = 200,0000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:54:52 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES
 & BENCHMARKS

SCALE: 200,0000' / in SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	10
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRO(921)				



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2" (44000157)
- PAVEMENT REMOVAL (44000100)
- EARTH EXCAVATION (20200100)
- HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (40600982)

STUMP REMOVAL SCHEDULE

POINT	NORTHING	EASTING	X2010400 STUMP REMOVAL ONLY (6 TO 15 UNITS DIAMETER)	X2010400 STUMP REMOVAL ONLY (OVER 15 UNITS DIAMETER)
1	1939372.42	994063.74		28
2	1939374.28	994062.54	15	
3	1939382.59	994064.69	6	
4	1939392.46	994065.01	12	
5	1939462.69	994053.90		22
6	1939470.02	994053.70		18
7	1939479.07	994054.46	7	
8	1939478.48	994053.35		20
9	1939491.47	994052.96	6	
10	1939491.97	994051.79		16
11	1939498.18	994060.91	12	
12	1939522.33	994058.71	8	
13	1939554.48	994063.98	12	
14	1939564.08	994043.11		16
15	1939509.72	994122.06		24
16	1939543.26	994119.33		28
17	1939543.33	994119.26		28
TOTAL			78	200

USER: jflove
 MODEL: Detail
 FILE NAME: PLOT_209_004_IDOT_PTB_190_14_Phase II_Van-Harlem-Design-WO_2_62H02-CR-DDR-CADD_Sheets\02H02-Sub-Removal.dgn



PLOT DRIVER = pdfNOLAYERShow.plt	DESIGNED -	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/29/2022 1:47:23 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

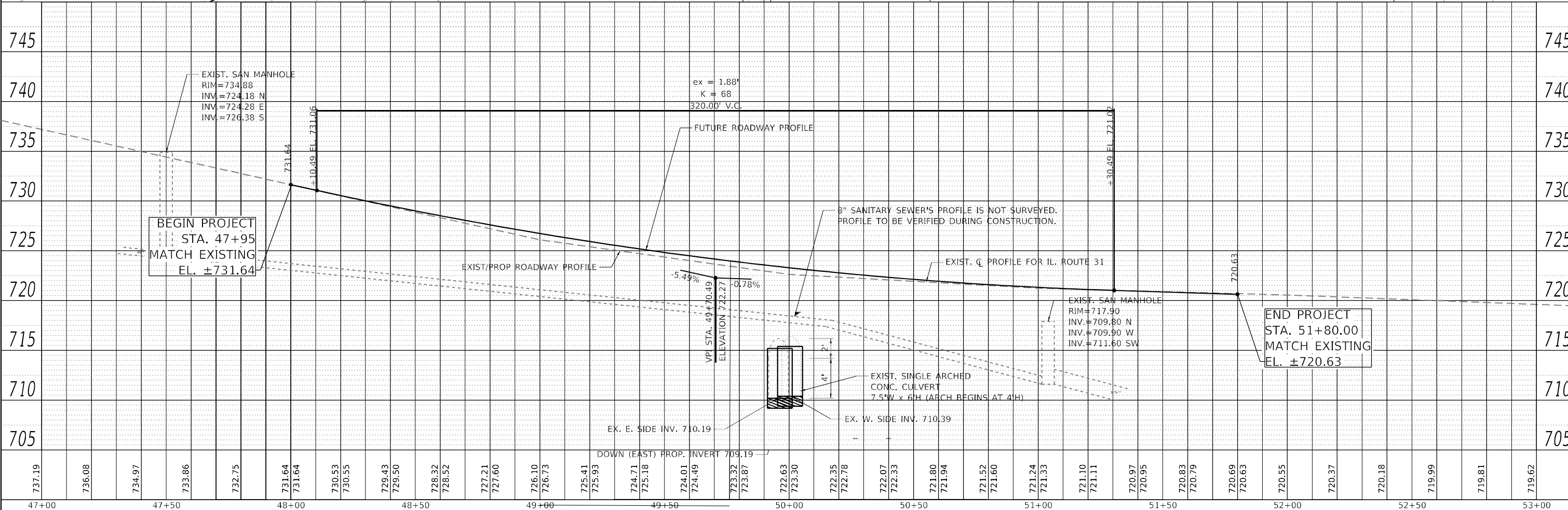
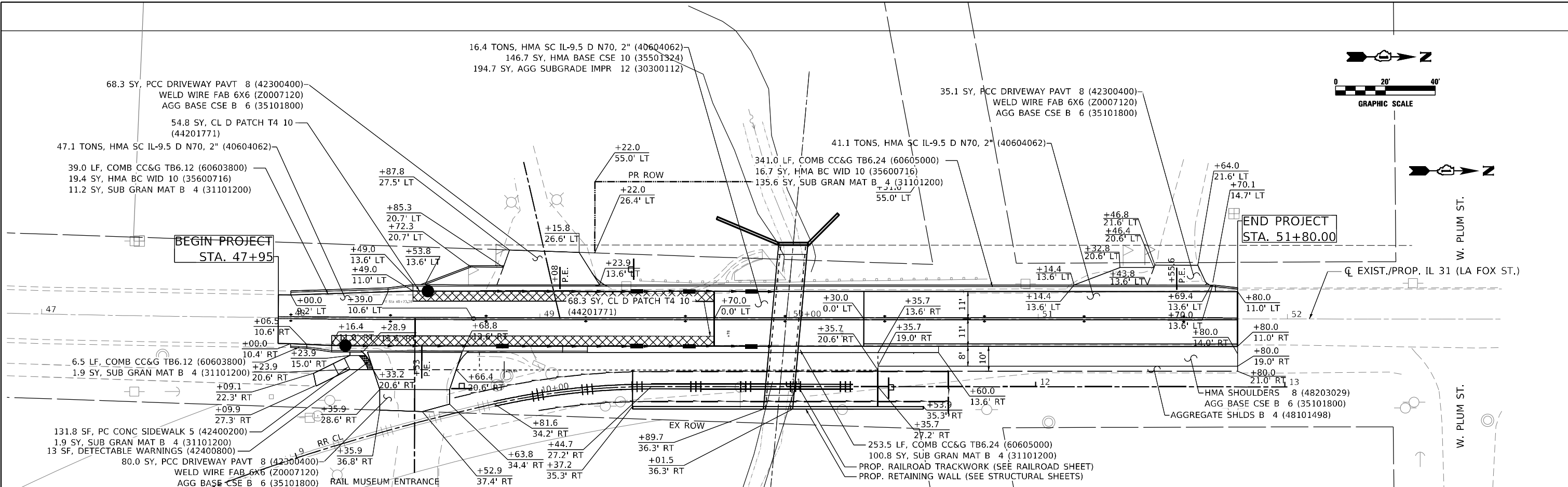
EXISTING ROADWAY AND REMOVAL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	11
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRO(921)				

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	



PLOT DRIVER = pdfNOLayersbw.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - SVJ	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:54:55 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

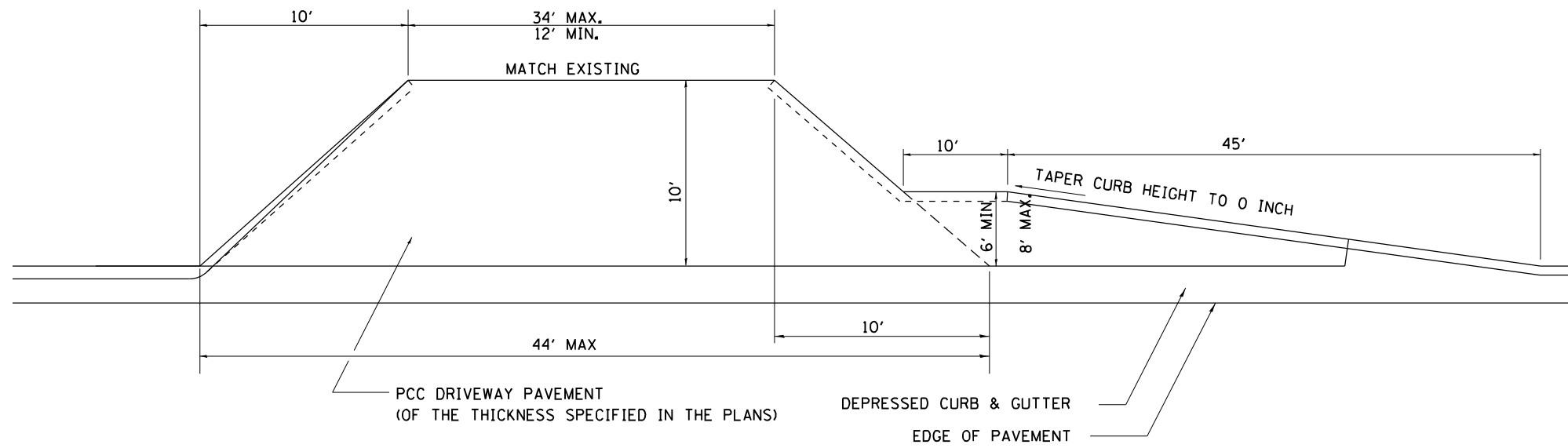
**ROADWAY PLAN AND PROFILE
IL 31 (LA FOX ST.)**

SCALE: 40,0000' / in. SHEET 1 OF 1 SHEETS STA. 47+00 TO STA. 53+00

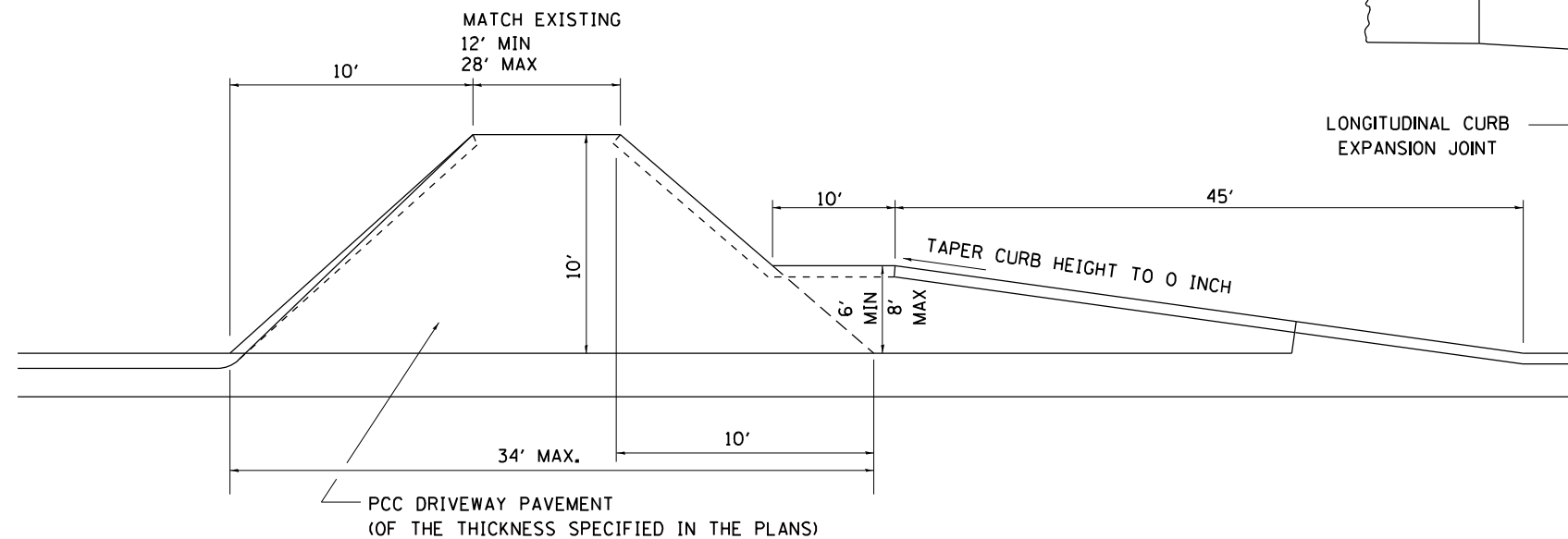
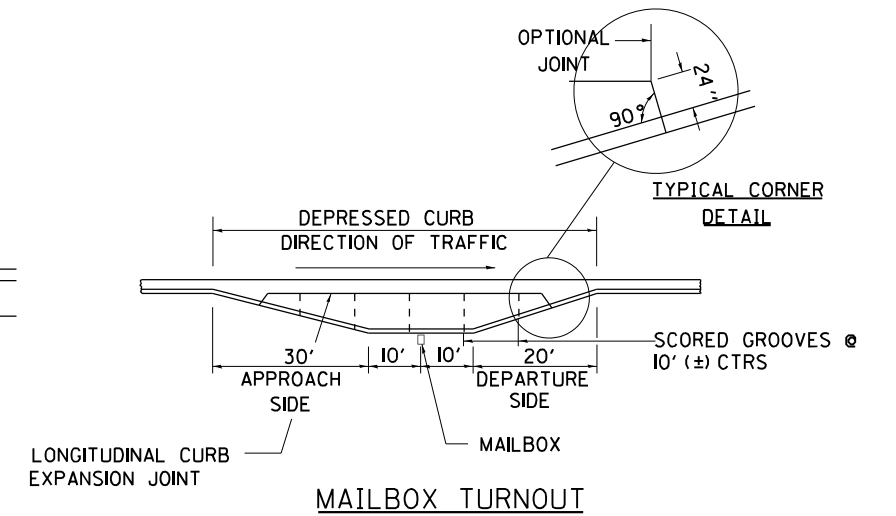
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	12
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

USER: jrove
MODEL: Default
FILE NAME: P:\03_2009_0001_0001_rfb_190_1d Phase II Var-Var\Drawings\WG 2 62H02\CAD\CADD\SSheets\022H02-01-11-plm1.dwg

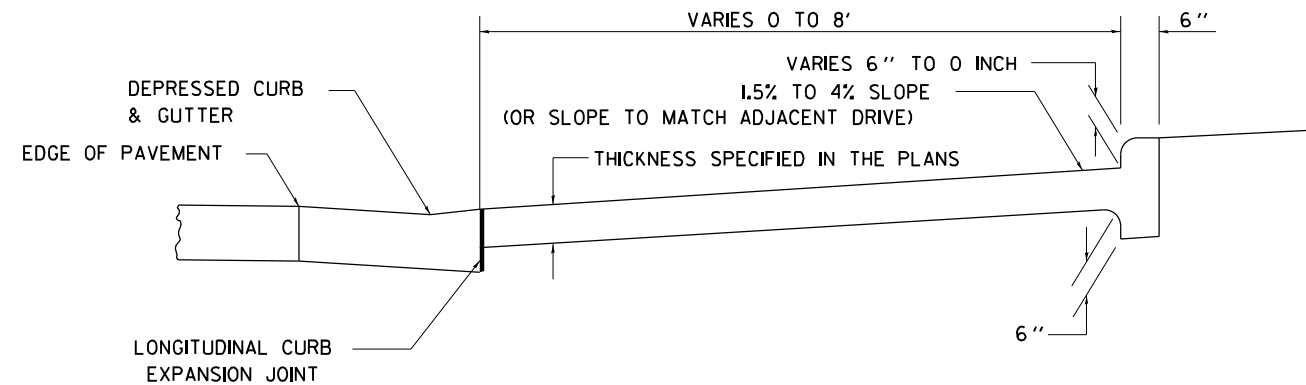
MAILBOX TURNOUT IN CURB AND GUTTER SECTION



COMMERCIAL ENTRANCE WITH MAILBOX TURNOUT



PRIVATE ENTRANCE WITH MAILBOX TURNOUT



TYPICAL CROSS SECTION

GENERAL NOTES

- 1.) THE LONGITUDINAL CURB EXPANSION JOINT SHALL CONFORM TO SECTION 1051 OF THE STANDARD SPECIFICATIONS.
- 2.) THE MAILBOX TURNOUT CROSS SLOPE WILL BE AS SHOWN ABOVE, AS SHOWN ON THE STATION CROSS SECTIONS OR AS DIRECTED BY THE ENGINEER.
- 3.) THE MAILBOX TURNOUT SHALL BE CONSTRUCTED WITH SCORED GROOVES, AS SPECIFIED IN ARTICLE 423.06 OF THE STANDARD SPECIFICATIONS, AT APPROXIMATELY 10 FT. CENTERS. IN THE EVENT THERE IS EXISTING OR PROPOSED SIDEWALK PRESENT, THESE SCORED GROOVES SHALL BE PLACED IN LINE WITH EVERY OTHER JOINT IN THE ADJACENT SIDEWALK.
- 4.) THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR P.C. CONCRETE DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED IN THE PLANS WHICH PRICE SHALL INCLUDE THE LONGITUDINAL CURB EXPANSION JOINT AND MONOLITHIC CURB AS SHOWN, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 5.) SEE THE DISTRICT STANDARD 25.1 FOR ADDITIONAL DETAILS.
- 6.) MAILBOXES SHALL BE INSTALLED TO CURRENT UNITED STATES POSTAL SERVICE MAILBOX GUIDELINES.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

USER: s00vc
 FILE: I:\DWG\2018\042\CR\2018-042-CR-13.dwg
 FILE: I:\DWG\2018\042\CR\2018-042-CR-13.dwg



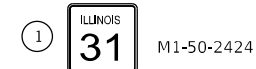
PLOT DRIVER = pdfNOLAYERSbw,rlrfg	DESIGNED -	REVISED - 1-10-19
PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED - 1-03-18
PLOT SCALE = 2,0000 ' / in.	CHECKED -	REVISED - 10-17-11
PLOT DATE = 10/18/2022 2:54:56 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT IN CURB AND GUTTER SECTION (D2-3.1)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	13
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRO(921)				

ROUTE MARKER



ARROWS SIGNS

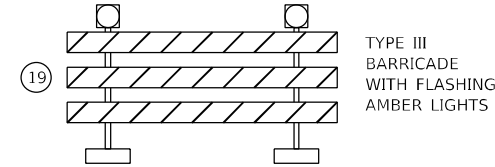
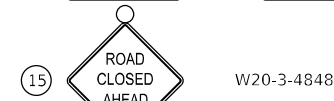
- 2 M5-1L-2424
- 3 M5-1R-2424
- 4 M6-1L-2424
- 5 M6-1R-2424
- 6 M6-3-2424

CARDINAL DIRECTION AND DETOUR SIGNS

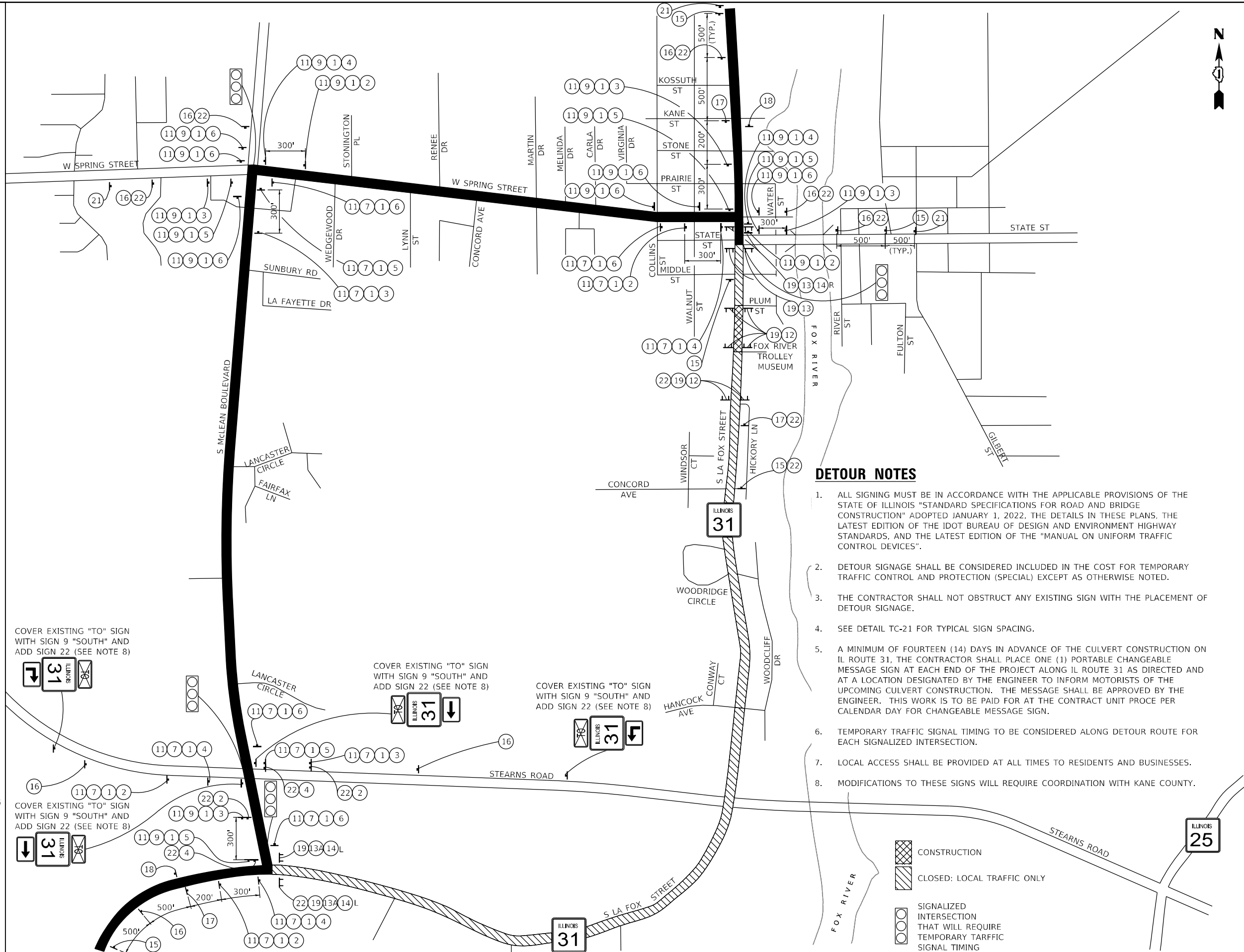
- 7 M3-1(0)-2412
- 8 NOT USED
- 9 M3-3(0)-2412
- 10 NOT USED
- 11 M4-8-2412



- 13 R11-3A-6030
- 13A R11-3A-6030
- 14L M4-10L-4818
- 14R M4-10R-4818



- 21 SPECIAL 5' BLACK LETTERS ON ORANGE BACKGROUND
- 22 SPECIAL 5' BLACK LETTERS ON ORANGE BACKGROUND



DETOUR NOTES

1. ALL SIGNING MUST BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE IDOT BUREAU OF DESIGN AND ENVIRONMENT HIGHWAY STANDARDS, AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
2. DETOUR SIGNAGE SHALL BE CONSIDERED INCLUDED IN THE COST FOR TEMPORARY TRAFFIC CONTROL AND PROTECTION (SPECIAL) EXCEPT AS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE PLACEMENT OF DETOUR SIGNAGE.
4. SEE DETAIL TC-21 FOR TYPICAL SIGN SPACING.
5. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE CULVERT CONSTRUCTION ON IL ROUTE 31, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT ALONG IL ROUTE 31 AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CULVERT CONSTRUCTION. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.
6. TEMPORARY TRAFFIC SIGNAL TIMING TO BE CONSIDERED ALONG DETOUR ROUTE FOR EACH SIGNALIZED INTERSECTION.
7. LOCAL ACCESS SHALL BE PROVIDED AT ALL TIMES TO RESIDENTS AND BUSINESSES.
8. MODIFICATIONS TO THESE SIGNS WILL REQUIRE COORDINATION WITH KANE COUNTY.

USER: jrdave
 PLOT DATE: 11/30/2022 9:41:00 AM
 FILE NAME: PLOT_209_004_IDOT_PTB_100_14_Phase II_Van-Var-Design-WG_2_62H02-CR-DDR-CADD_SheetsID:62H02-sht-14-detour.dwg



PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - JVD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - SVJ	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 11/30/2022 9:41:00 AM	DATE - 09/22/2022	REVISED -

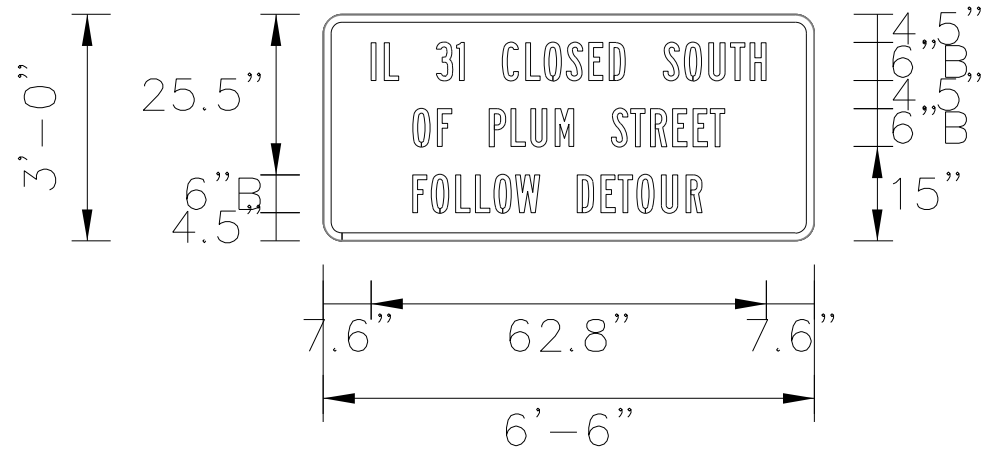
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
IL ROUTE 31 - DETOUR PLAN**

SCALE: N/A SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	14
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT 5TP-BKRQ(921)				

SIGN DETAIL
1:30



Panel Style: Detour.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	6'-6" x 3'-0"
BORDER WIDTH	1.25"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Orange
LEGENDBORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

																LENGTH	SERIES/SIZE
I	L	3	1	C	L	O	S	E	D	S	O	U	T	H			B 2000
7.6	9.7	18	21.2	28.4	32.1	35.1	38.6	42.2	45.4	54	57.3	61.2	64.7	67.8			62.8 6
O	F	P	L	U	M	S	T	R	E	E	T						B 2000
14.2	18.1	26.4	29.8	32.9	36.8	45.8	48.8	52	55.5	58.7	61.5						49.6 6
F	O	L	L	O	W	D	E	T	O	U	R						B 2000
14.2	17.2	21.1	24.2	27.1	30.5	40.4	44.1	46.9	49.8	53.7	57.6						46 6

USER: idow
 C:\Users\idow\OneDrive\Documents\2022\11\Phase II_Vacation\Drawings\WG_2\271031\CADD\CADD_Sheet1D1E2H02-ent-detour-sign01.dgn
 FILE NAME: PLOT_209_004_IDOT_PTB_190_14_Phsae II_Vacation\Drawings\WG_2\271031\CADD\CADD_Sheet1D1E2H02-ent-detour-sign01.dgn



PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - DWB	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - DWB	REVISED -
PLOT SCALE = 0.3049' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 10/18/2022 2:54:58 PM	DATE - 09/22/2022	REVISED -

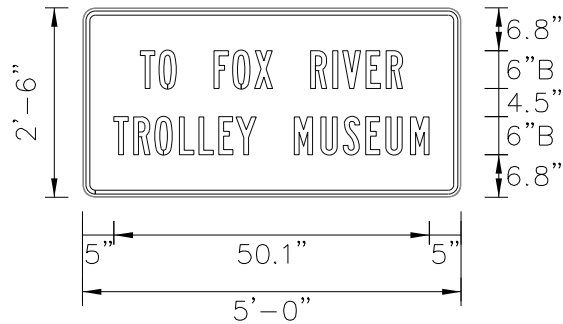
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC DETOUR SIGNS 01			
SCALE: 0.3049' / in.	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	15
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRO(921)				

SIGN DETAIL

1:30



SIGN NUMBER	name	
WIDTH x HGHT.	5'-0" x 2'-6"	
BORDER WIDTH	0.63"	
CORNER RADIUS	1.5"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Orange
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black/Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: construction_guide.ssi
 Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

														LENGTH	SERIES/SIZE
T	O	F	O	X	R	I	V	E	R					41.7	B 2000
9.2	12.1	20.9	23.8	27.4	36.2	39.7	41.3	45	48.2					6	
T	R	O	L	L	E	Y	M	U	S	E	U	M		50.1	B 2000
5	8.1	11.5	15.4	18.5	21.6	24.4	33.6	37.9	41.4	44.9	48.2	52.1		6	

USER: idove
 C:\Users\idove\OneDrive\Documents\2023\04\14\Phase II_Vocational_Drafting\WG_2_62102\CAD\CADD\Sheet1D1E2H02-ent-detour-sign02.dgn



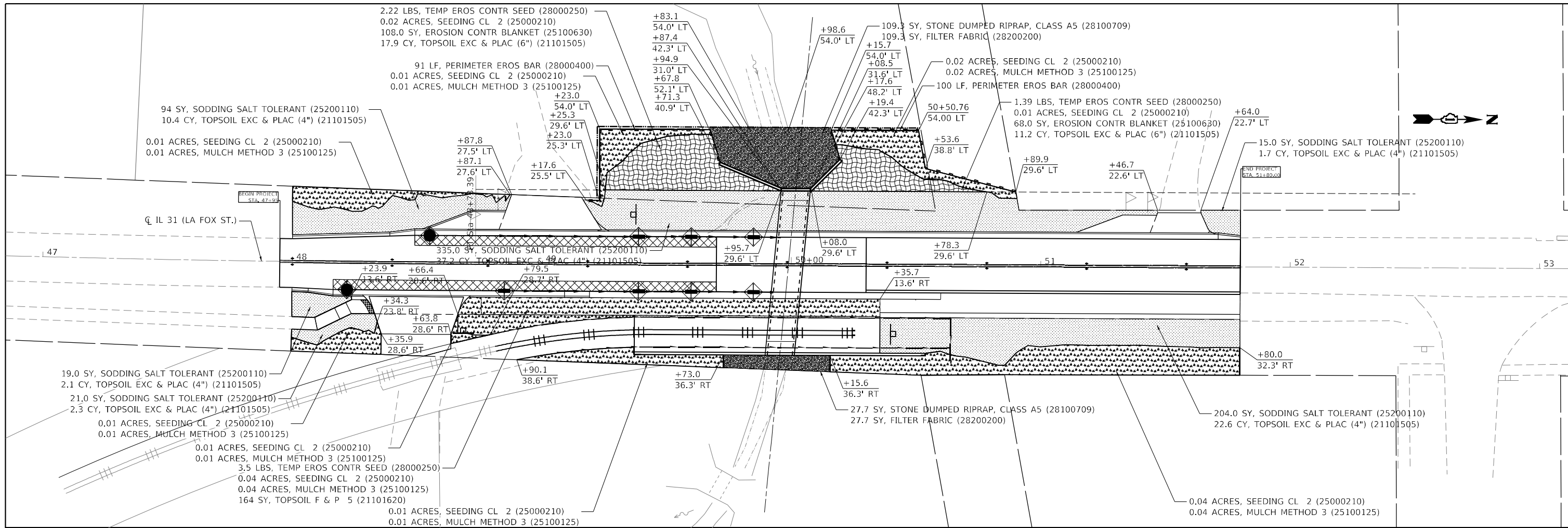
PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - DWB	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - DWB	REVISED -
PLOT SCALE = 0.3049' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 10/18/2022 2:54:59 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 DETOUR SIGNS 02**

SCALE: 0.3049' / in. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	16
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRO(921)				



LEGEND

- SODDING (25200100)
- EROSION CONTROL BLANKET (25100630)
- MULCH, METHOD 3 (25100125)
- TEMPORARY EROSION CONTROL SEEDING (28000250)
- INLET FILTERS (28000510)
- PERIMETER EROSION BARRIER (28000400)

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO THE STANDARDS AND SPECIFICATIONS IN THE 2013 ILLINOIS URBAN MANUAL (IUM), THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022, AND THE PLAN DETAILS.
2. THE KANE-DUPAGE COUNTY SOIL AND WATER CONSERVATION DISTRICT MUST BE NOTIFIED ONE (1) WEEK PRIOR TO THE PRECONSTRUCTION CONFERENCE, ONE (1) WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE (1) WEEK PRIOR TO THE FINAL INSPECTION.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ONSITE AT ALL TIMES. IT SHALL BE PRESENTED UPON REQUEST FROM ANY AUTHORIZED AGENT.
4. THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED ARE THE MINIMUM REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
5. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS.
6. PERIMETER EROSION CONTROL BARRIER (SILT FENCE) SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS. THE PERIMETER EROSION CONTROL BARRIER SHALL BE CONSTRUCTED AS DETAILED ON IDOT STANDARD 280001 AND AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS "STANDARD SPECIFICATIONS" - PER GENERAL NOTES 1.
7. THE CONTRACTOR WILL KEEP ALL PERMANENT PAVEMENT SURFACES CLEAN OF DIRT OR CONSTRUCTION DEBRIS. THE PAVEMENT SHALL BE CLEANED AT THE END OF EACH DAY'S OPERATION OR MORE FREQUENTLY AS REQUIRED BY THE ENGINEER IF THE DEBRIS IS DEEMED TO BE A HAZARD TO THE MOTORING PUBLIC.
8. THE CONTRACTOR SHALL INSPECT AND COMPLETE MAINTENANCE OF ALL ITEMS A MINIMUM OF EVERY SEVEN (7) DAYS AND WITHIN TWENTY-FOUR (24) HOURS OF 1/2-INCH OF RAINFALL. ALL TEMPORARY EROSION CONTROL MEASURES MUST BE MAINTAINED AND IMMEDIATELY REPLACED AS NEEDED AND DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INSPECTION AND REPAIR. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SEEDING IS ACHIEVED.
9. TEMPORARY STOCKPILES OF MATERIALS MAY NOT BE LOCATED IN WETLANDS, FLOODPLAINS, OR DRAINAGE SWALES. THE LOCATION OF ANY TEMPORARY STOCKPILE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION & SEDIMENT CONTROL. STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THIRTY (30) DAYS SHALL RECEIVE TEMPORARY SEEDING.

USER: f:\dave
 C:\PLOT\PLT\Plot.plt
 FILE: 62H02_PLOT_209_004_IDOT_PTB_190_1.dwg Phase II VascularDrainPlanWG_2_62H02CAD\CADD_SheetID:62H02-ent-erofor.dwg



PLOT DRIVER = pdfNOLAYERSbw.pltcf	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JWD	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:55:01 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND
LANDSCAPING PLAN**

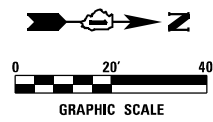
SCALE: 40,0000 * / in. SHEET 1 OF 1 SHEETS STA. 47+95 TO STA. 51+80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	17
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

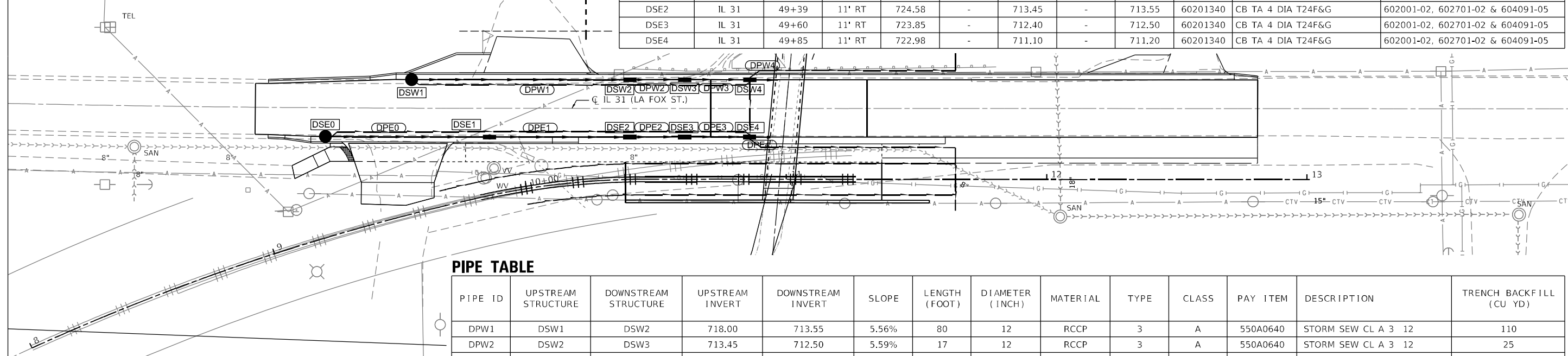
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

USER: jlove
MODEL: Default
FILE NAME: P:\03_209_004_001_PIB_190_14 Phase II_Ver-SanDrain\DWG 2 - 62102-CADD\Structure\NOTATRS 62102.dwg



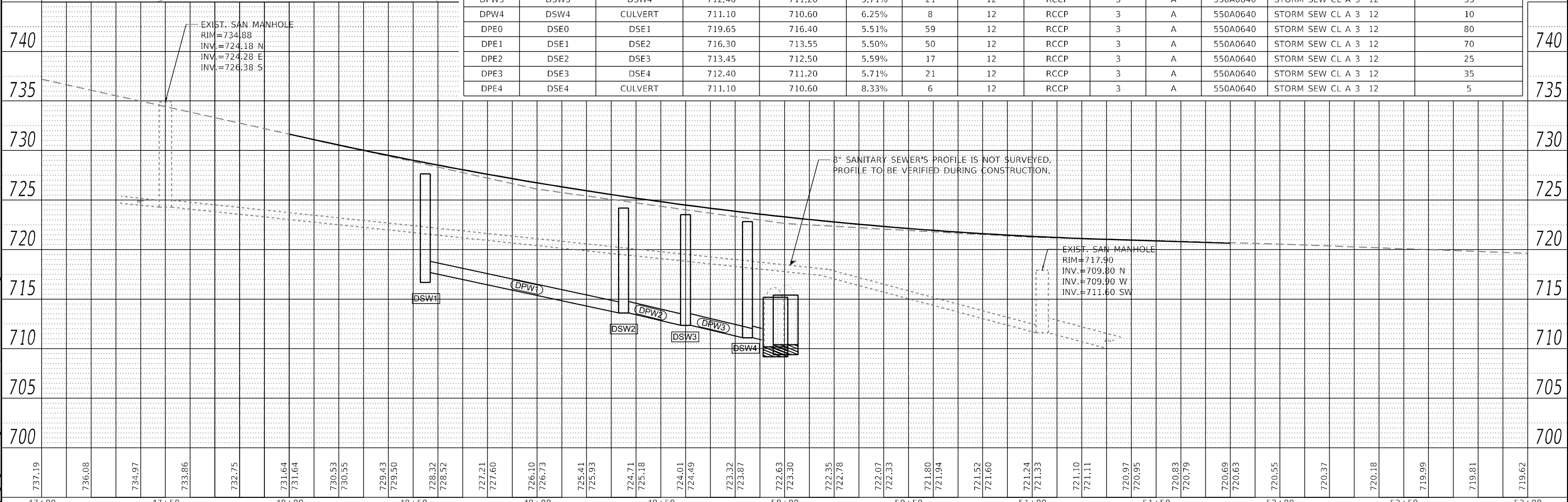
STRUCTURE TABLE

STRUCTURE ID	ALIGNMENT	STATION	OFFSET (EOP)	RIM ELEV. (FT.)	INVERT ELEVATION (FT)				PAY ITEM	DESCRIPTION	HIGHWAY STANDARD
					W	N	E	S			
DSW1	IL 31	48+55	11' LT	728.43	-	718.00	-	-	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05
DSW2	IL 31	49+39	11' LT	724.58	-	713.45	-	713.55	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05
DSW3	IL 31	49+60	11' LT	723.85	-	712.40	-	712.50	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05
DSW4	IL 31	49+85	11' LT	722.98	-	711.10	-	711.20	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05
DSE0	IL 31	48+22	11' RT	730.26	-	719.65	-	-	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05
DSE1	IL 31	48+85	11' RT	726.77	-	716.30	-	716.40	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05
DSE2	IL 31	49+39	11' RT	724.58	-	713.45	-	713.55	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05
DSE3	IL 31	49+60	11' RT	723.85	-	712.40	-	712.50	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05
DSE4	IL 31	49+85	11' RT	722.98	-	711.10	-	711.20	60201340	CB TA 4 DIA T24F&G	602001-02, 602701-02 & 604091-05



PIPE TABLE

PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH (FOOT)	DIAMETER (INCH)	MATERIAL	TYPE	CLASS	PAY ITEM	DESCRIPTION	TRENCH BACKFILL (CU YD)
DPW1	DSW1	DSW2	718.00	713.55	5.56%	80	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	110
DPW2	DSW2	DSW3	713.45	712.50	5.59%	17	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	25
DPW3	DSW3	DSW4	712.40	711.20	5.71%	21	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	35
DPW4	DSW4	CULVERT	711.10	710.60	6.25%	8	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	10
DPE0	DSE0	DSE1	719.65	716.40	5.51%	59	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	80
DPE1	DSE1	DSE2	716.30	713.55	5.50%	50	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	70
DPE2	DSE2	DSE3	713.45	712.50	5.59%	17	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	25
DPE3	DSE3	DSE4	712.40	711.20	5.71%	21	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	35
DPE4	DSE4	CULVERT	711.10	710.60	8.33%	6	12	RCCP	3	A	550A0640	STORM SEW CL A 3 12	5



PLOT DRIVER = pd\NOLAYERSdwg.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - SVJ	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 11/29/2022 2:43:28 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES
PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	18
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKR9(21)				

SCALE: 40,0000' / in. SHEET 1 OF 1 SHEETS STA. 47+00 TO STA. 53+00

PART OF SECTION 35 TWP. 41 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL TABLE						
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1N0001	1.660	0.340	0.246	1.320	-	06-35-306-008

LEGEND

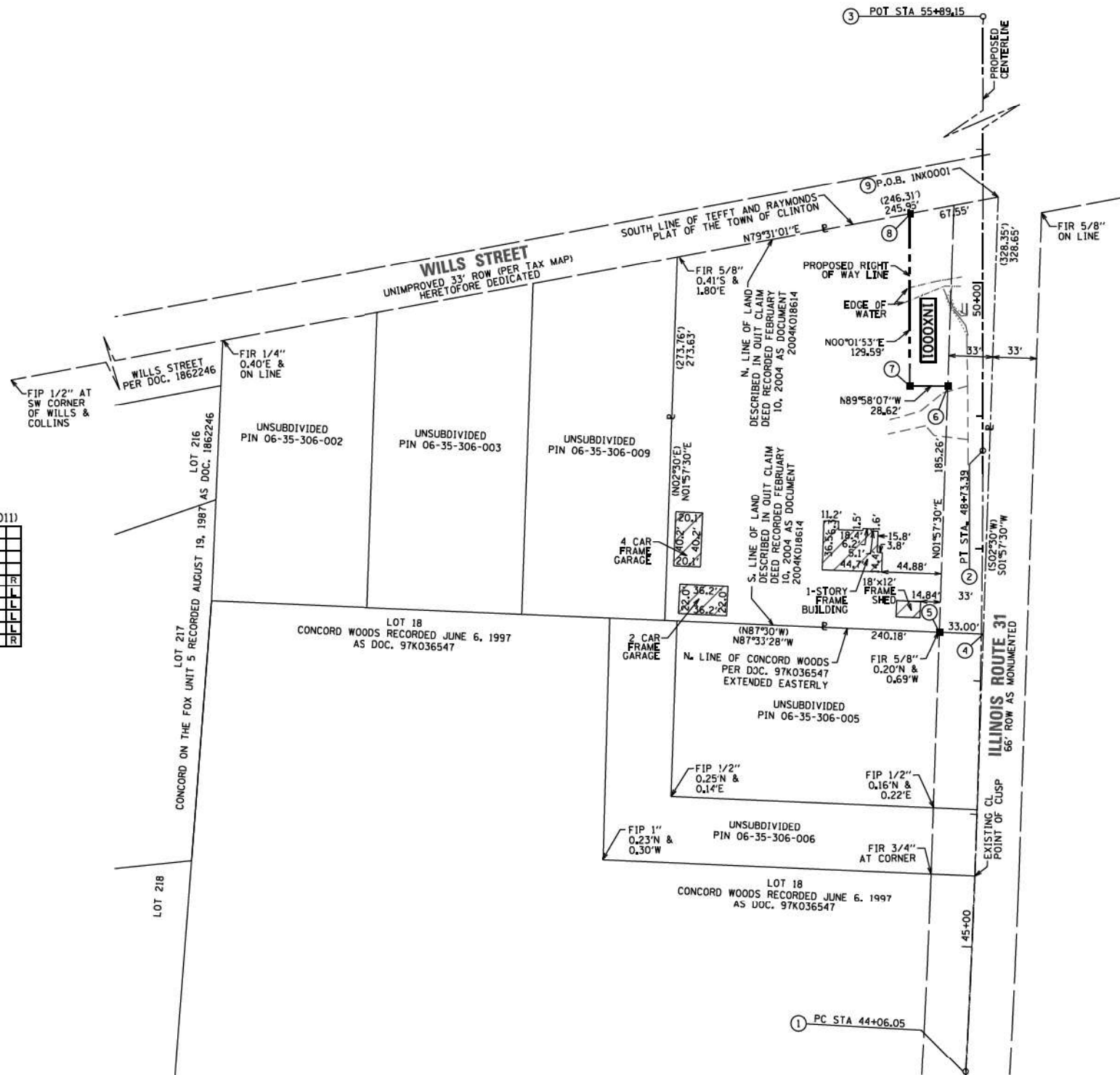
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE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

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

- IRON PIPE OR ROD FOUND
- ⊕ MAG. NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

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

POINT	NORTHING	EASTING	STATION	OFFSET
1	1,938,936.35	994,074.66	44+06.05	0.00
2	1,939,403.45	994,087.60	48+73.38	0.00
3	1,940,119.21	994,087.99	55+89.15	0.00
4	1,939,265.21	994,087.88	47+35.47	1.47
5	1,939,266.92	994,054.91	47+36.33	31.52
6	1,939,452.07	994,061.24	49+22.00	26.38
7	1,939,452.09	994,032.63	49+22.00	55.00
8	1,939,581.68	994,032.70	50+51.58	55.00
9	1,939,593.97	994,099.12	50+63.91	11.41



STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 41 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.



DATED AT ROSEMONT, ILLINOIS THIS 25th DAY OF OCTOBER, 2022 A.D.

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 3887: ILLINOIS ROUTE 31 (LA FOX STREET)

LIMITS: AT DITCH 2.3 MILES SOUTH OF US 20, SOUTH ELGIN COUNTY: KANE
SECTION: 2018-042-CR JOB NO: R-91-023-20
STA. 47+35.47 TO STA. 50+63.91
SCALE: 1" = 50' SHEET 2 OF 2 SHEETS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	19

CONTRACT NO. 62H02
ILLINOIS FED. AID PROJECT 5TP-BKR0(921)

- GENERAL NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994368, COMBINATION FACTOR CALCULATED FROM NGS MONUMENTS DK3289 & NH1612.
 - AREAS SHOWN ON THIS PLAT ARE GROUND.

DATE	BY
07-10-20	SMC
07-10-20	GNF
07-14-20	GNF
07-27-21	GNF

DATE	BY
07-10-20	SMC
07-10-20	GNF
07-14-20	GNF
07-27-21	GNF

USER: f:\dave
MICHEL Detail
FILE NAME: PLOT_2018_004_IDOT_PTB_190_14 Phase II_Van-Var-Design\pin\WO_2_62H02\CADD\CADD_Sheets\ID62H02-sub-dwg-1.dwg



PLOT DRIVER = pdfNOLAYERS.dwg, krcfg	DESIGNED -	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/29/2022 12:49:30 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REVISION DATE	REVISION MADE BY

PLAT OF HIGHWAYS
PARCEL 1N0001

SCALE: SHEET OF SHEETS STA. TO STA.

THIS SHEET INTENTIONALLY LEFT BLANK

USER: jflove
 FILE: I:\D:\dell\...
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II_VanStarDesign\WG_2_62H02\CADD\CADD_Sheets\ID162H02-shl-d162H02.dwg



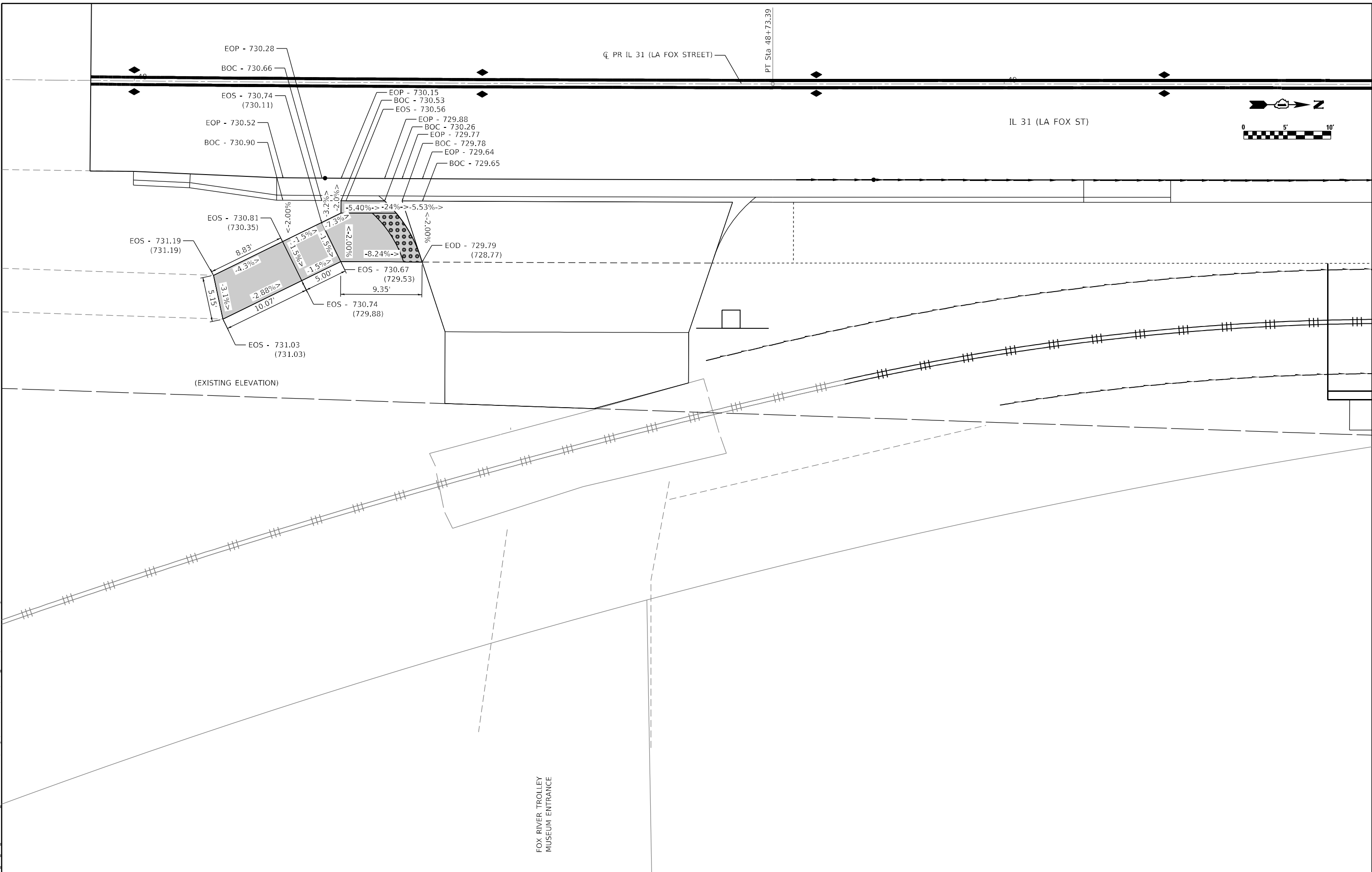
PLOT DRIVER = pdfNLAYERShow.plt	DESIGNED -	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/29/2022 12:49:34 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLATS PLACEHOLDER

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	20
				CONTRACT NO. 62H02
ILLINOIS FED. AID PROJECT 51P-BKRO(921)				



USER: jrdave
 PROJECT: Detail
 FILE NAME: Plot_209_004_IDOT_PTB_190_14_Phase II_Van-Stan-Design-WG_2_62H02\CADD\CADD_Sheets\0262H02-ada.dwg

FOX RIVER TROLLEY
 MUSEUM ENTRANCE



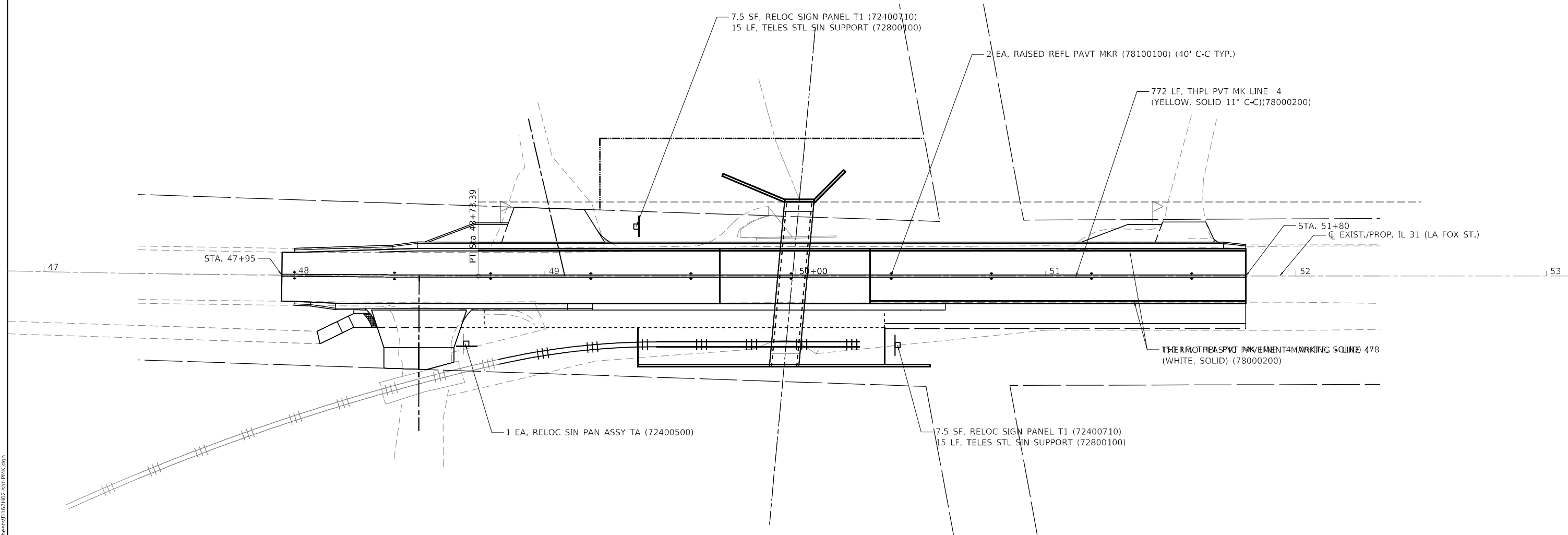
PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - JMM	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JMM	REVISED -
PLOT SCALE = 10,0000 ' / in.	CHECKED - JWD	REVISED -
PLOT DATE = 11/29/2022 12:49:35 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP PLAN
 FOX RIVER TROLLEY MUSEUM AT IL 31 (LA FOX ST)**

SCALE: 10.0000 ' / in. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	21
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT 5TP-BKRO(921)				



USER: s09c
 FILE: I:\P\181111\181111.dwg
 FILE: 3887_PLOT_PEN_TABLE_2019.dwg, IDOT_PTB_190_1.d Phase II Vnc-Char-Dr-Defm\WG_2_62102\CAD\CADD\CADD_Sheet1D1E2H02-shr-PK.dgn



PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED -	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED -
PLOT SCALE = 40.0000 */ in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2022 2:55:09 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

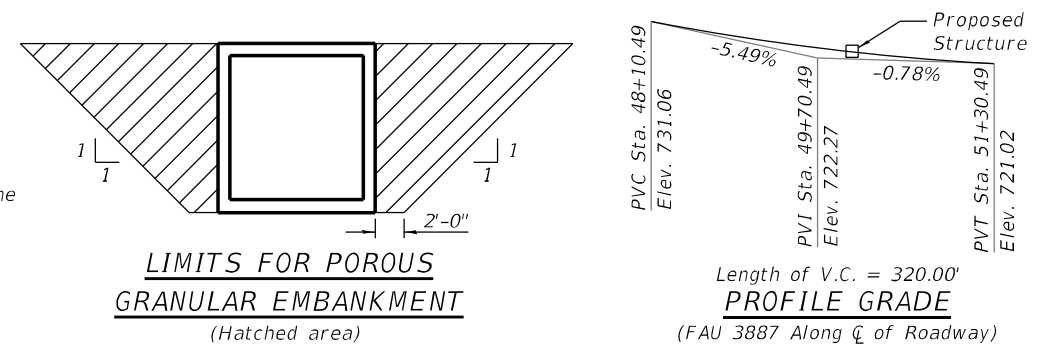
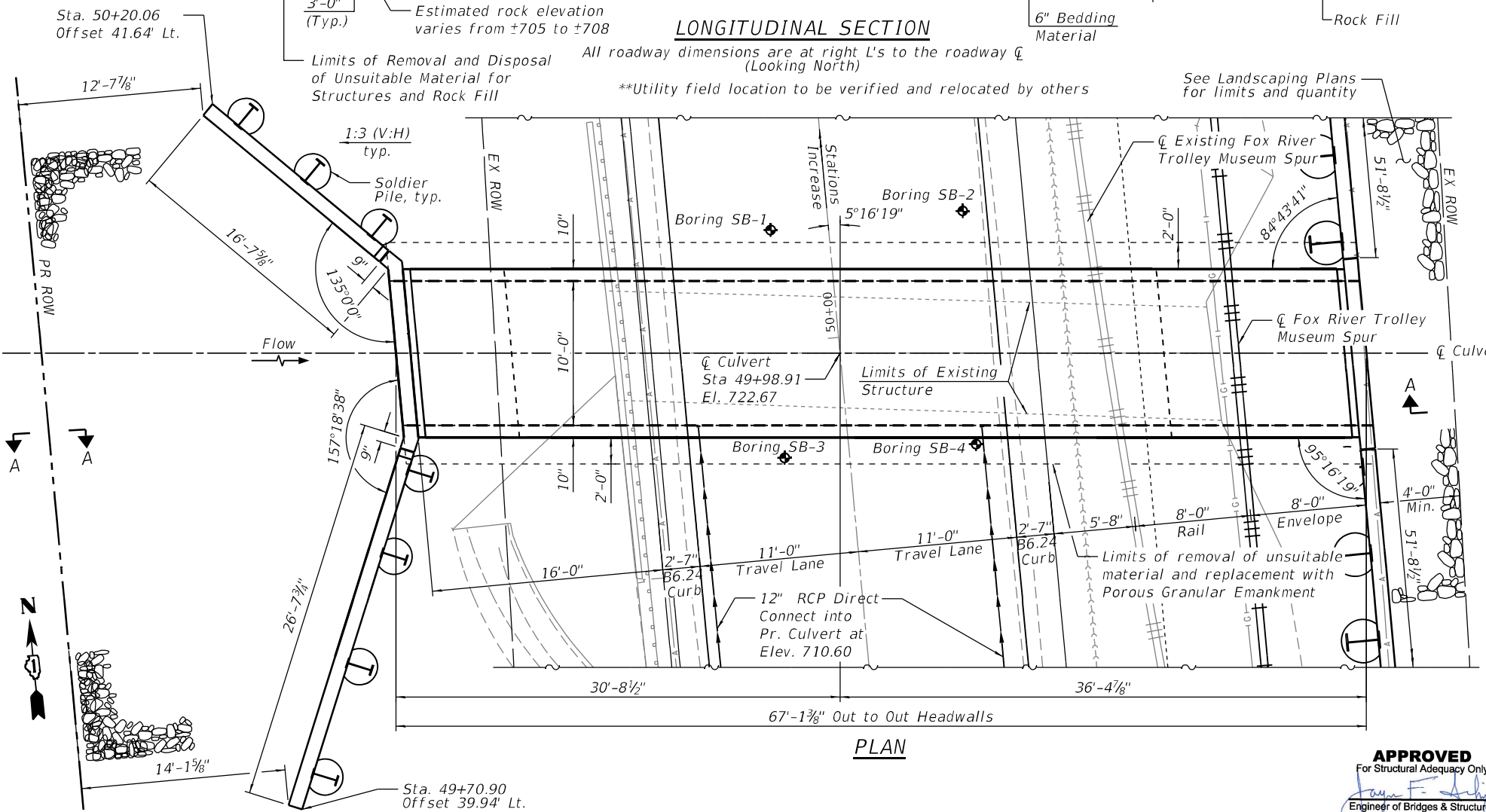
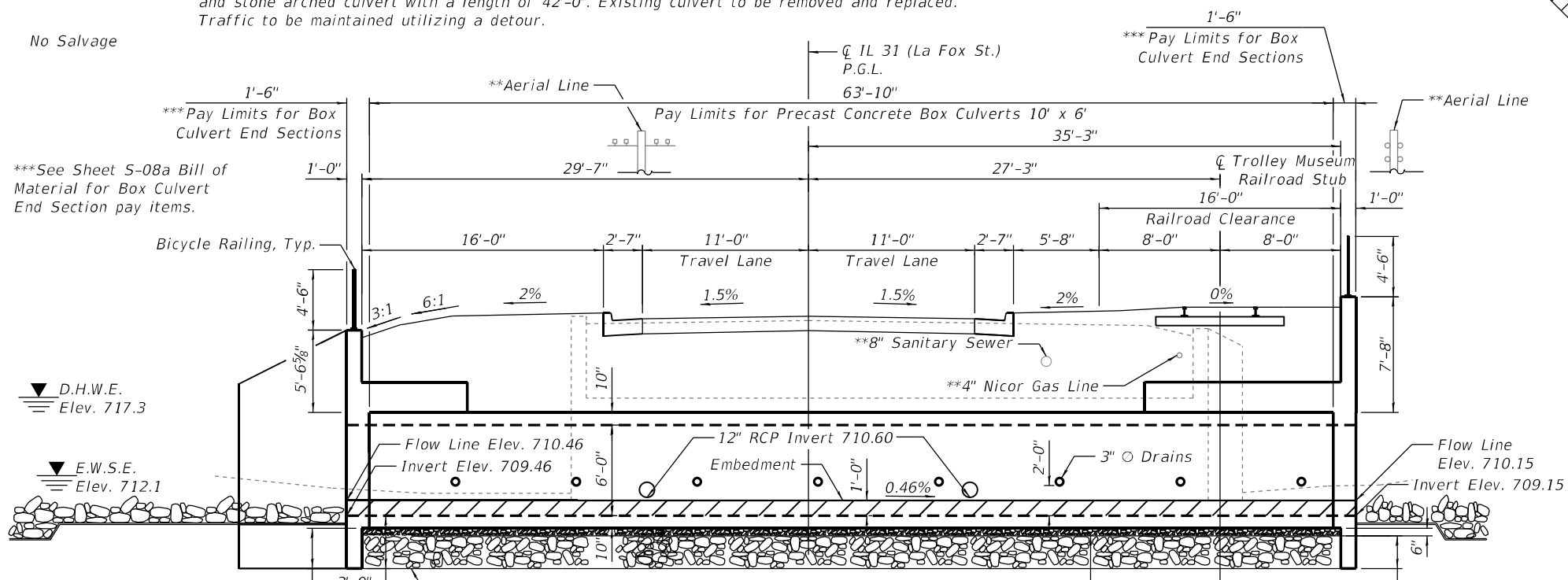
PROPOSED PAVEMENT MARKING PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	22
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRO(921)				

Benchmark: Mag Nail at Station 50+00 center of roadway, Elev. 722.63

Existing Structure: SN 045-0218 built in an unknown year under an unknown project as a 7.5' W x 4' H to 6' H concrete and stone arched culvert with a length of 42'-0". Existing culvert to be removed and replaced.
Traffic to be maintained utilizing a detour.

No Salvage



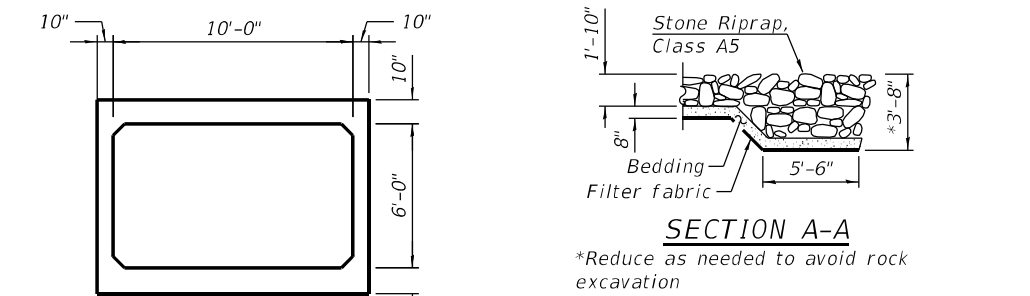
WATERWAY INFORMATION

Ex. Overtopping Elev. = 720.88* @ Sta. 51+12
Pr. Overtopping Elev. = 720.88* @ Sta. 51+12

Drainage Area = 0.41719 sq. mi.

Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
Design	10	146.8	34.6	46.2	715.0	0.3	0.0	715.3	715.0
Base	50	272.5	41.8	50.0	717.3	1.0	0.6	718.3	717.9
Overtop Existing	100	349.3	41.8	50.0	717.7	1.8	1.0	719.5	718.7
Overtop Proposed	>100	457.0	41.8	N/A	N/A	N/A	N/A	720.9	N/A
Max. Calc.	>100	593.0	N/A	50.0	N/A	N/A	N/A	N/A	720.9
	500	349.3	41.8	50.0	717.7	1.8	1.0	719.5	718.7

*This location is the lowest elevation where water would flood the pavement: back of the curb on the upstream end of the culvert at station 51+12.



LOADING HL-93 AND MUSEUM RAIL
Allow 50#/sq. ft. for future wearing surface.
286,000 lbs for gross car weight assuming 4 axles.

DESIGN FILL HEIGHT
The design fill height for this box is 16.5 ft. This is an equivalent fill height to account for railroad loading over the culvert. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

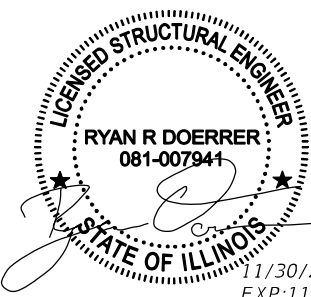
DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Steel Soldier Piles)

PRECAST UNITS
f'c = 5,000 psi
fy = 60,000 psi (Reinforcement)

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 31 OVER DITCH
FAU ROUTE 3887 - SEC. 2018-042-CR
KANE COUNTY
STATION 49+98.91
STRUCTURE NO. 045-8302



APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

11/30/2022
EXP: 11/30/2024

GENERAL PLAN & ELEVATION
STRUCTURE NO. 045-8302

SHEET S-01 OF S-14 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEN TABLE = pd\NOLAYERS\ow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in.	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:43:41 AM	DATE - 11/30/2022	REVISED -



FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	23
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP#K92(921)				

USER: jstapleton
MODEL: Default
FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-sht-01-sps.dgn

GENERAL NOTES

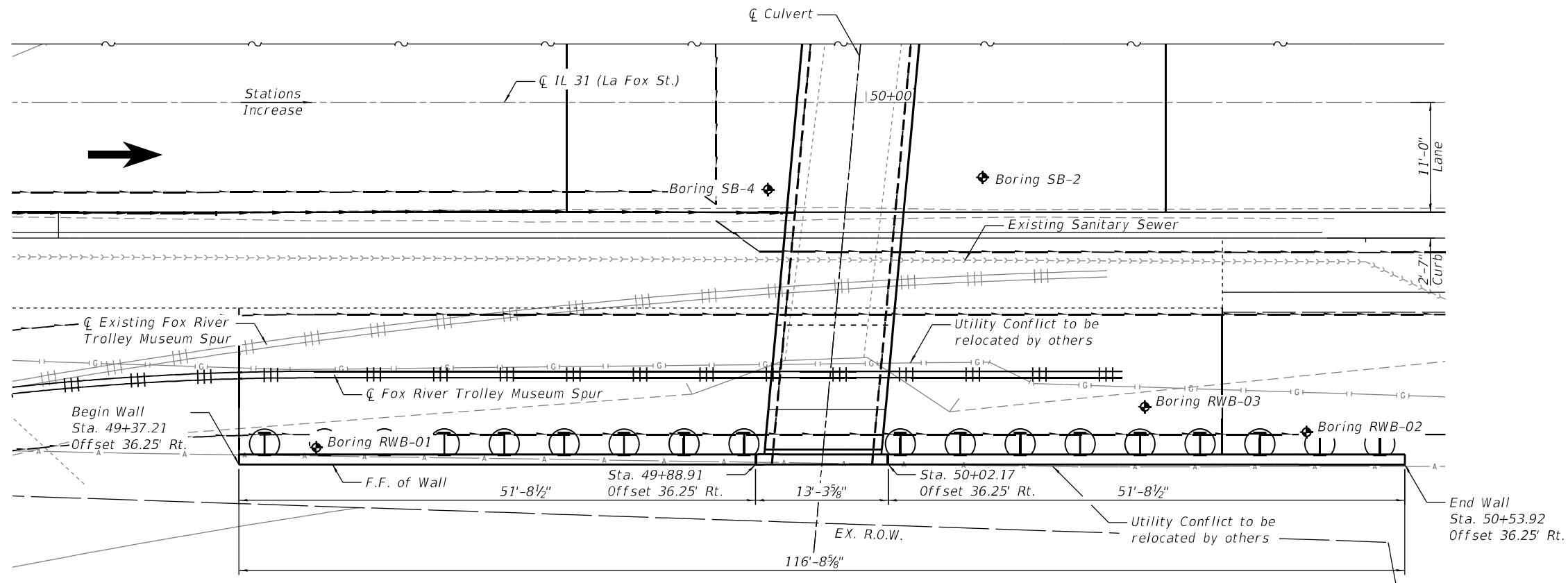
1. Reinforcement bars designated (E) shall be epoxy coated.
2. The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.
3. Drain holes shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
4. 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.
5. Precast concrete box culverts shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to end sections. Cost of this 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.
6. Concrete sealer shall be applied to exposed surfaces of the front face, top face and back face of the Wingwalls and L Walls.
7. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
8. Earth excavation required to install Stone Riprap is included in the cost of Stone Riprap, Class A5.
9. Install Bicycle Railing along soldier pile wing walls and L Walls.

INDEX OF SHEETS

- S-01 General Plan and Elevation
- S-02 General Data
- S-03 Northwest Wingwall Plan and Elevation
- S-04 Southwest Wingwall Plan and Elevation
- S-05 Northeast Wingwall Plan and Elevation
- S-06 Southeast Wingwall Plan and Elevation
- S-07 Wing Wall Typical Section and Details
- S-08 Box Culvert End Section Details 1 of 2
- S-08a Box Culvert End Section Details 2 of 2
- S-08b L Wall Details
- S-09 Form Liner Details
- S-10 Railing Details
- S-11 Soil Boring Log 1 of 4
- S-12 Soil Boring Log 2 of 4
- S-13 Soil Boring Log 3 of 4
- S-14 Soil Boring Log 4 of 4

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	CU YD	223
Removal of Existing Structures	EACH	1
Structure Excavation	CU YD	66
Removal and Disposal of Unsuitable Material for Structures	CU YD	39
Concrete Structures	CU YD	86.9
Form Liner Textured Surface	SQ FT	1,475
Stud Shear Connectors	EACH	256
Reinforcement Bars, Epoxy Coated	POUND	15,420
Bicycle Railing	FOOT	170
Name Plates	EACH	1
Furnishing Soldier Piles (W Section)	FOOT	622
Drilling and Setting Soldier Piles (In Soil)	CU FT	1,850
Drilling and Setting Soldier Piles (In Rock)	CU FT	1,629
Untreated Timber Lagging	SQ FT	1,369
Precast Concrete Box Culverts 10' x 6'	FOOT	65
Granular Backfill for Structures	CU YD	80
Concrete Sealer	SQ FT	1,286
Geocomposite Wall Drain	SQ YD	166
Rock Fill	CU YD	39



PLAN

USER: jstapleton
 MODEL: Default
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-sh1-02-gerndata.dgn



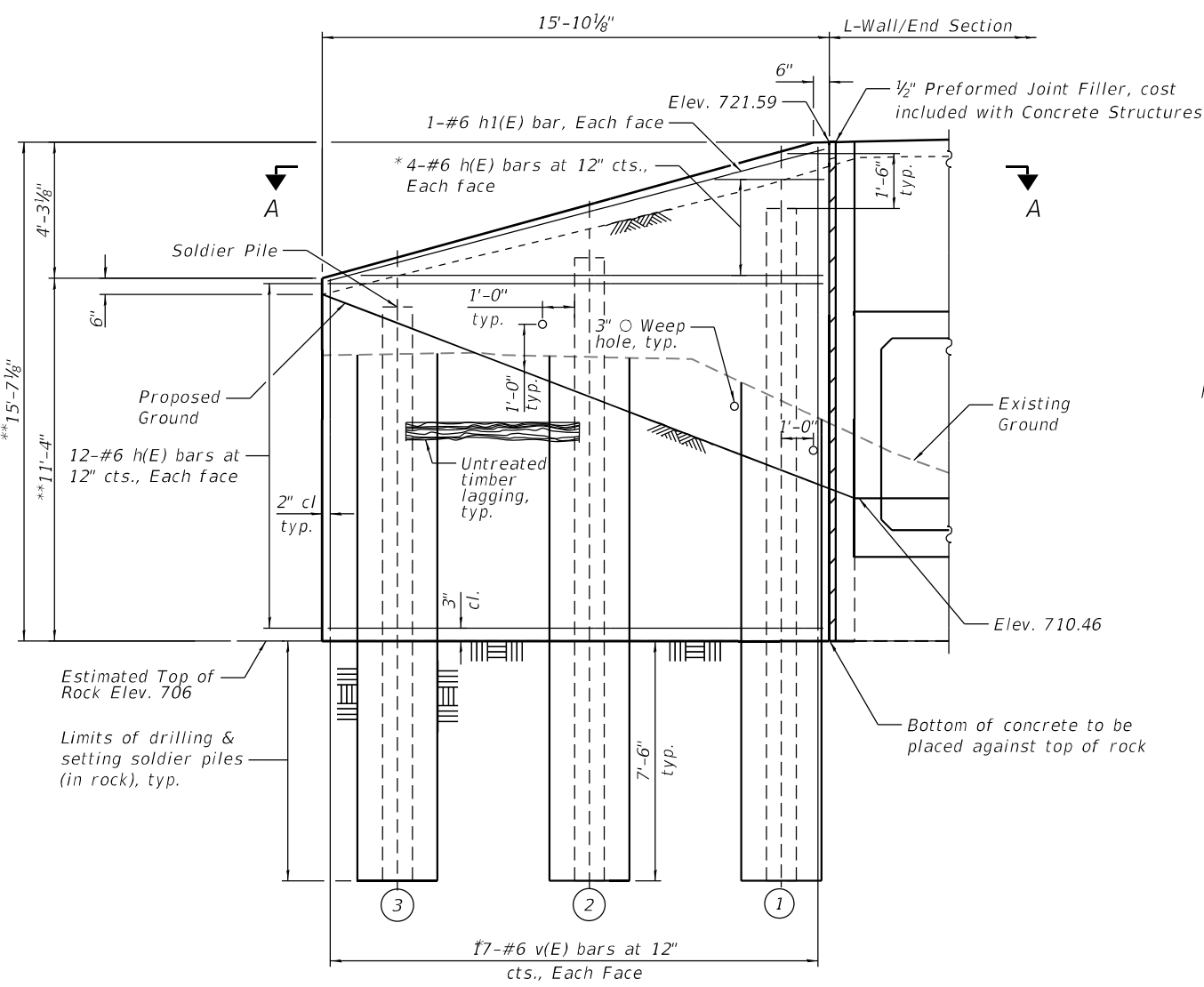
PEN TABLE = pdfNOLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\162H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 12/7/2022 10:47:26 AM	DATE - 12/7/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

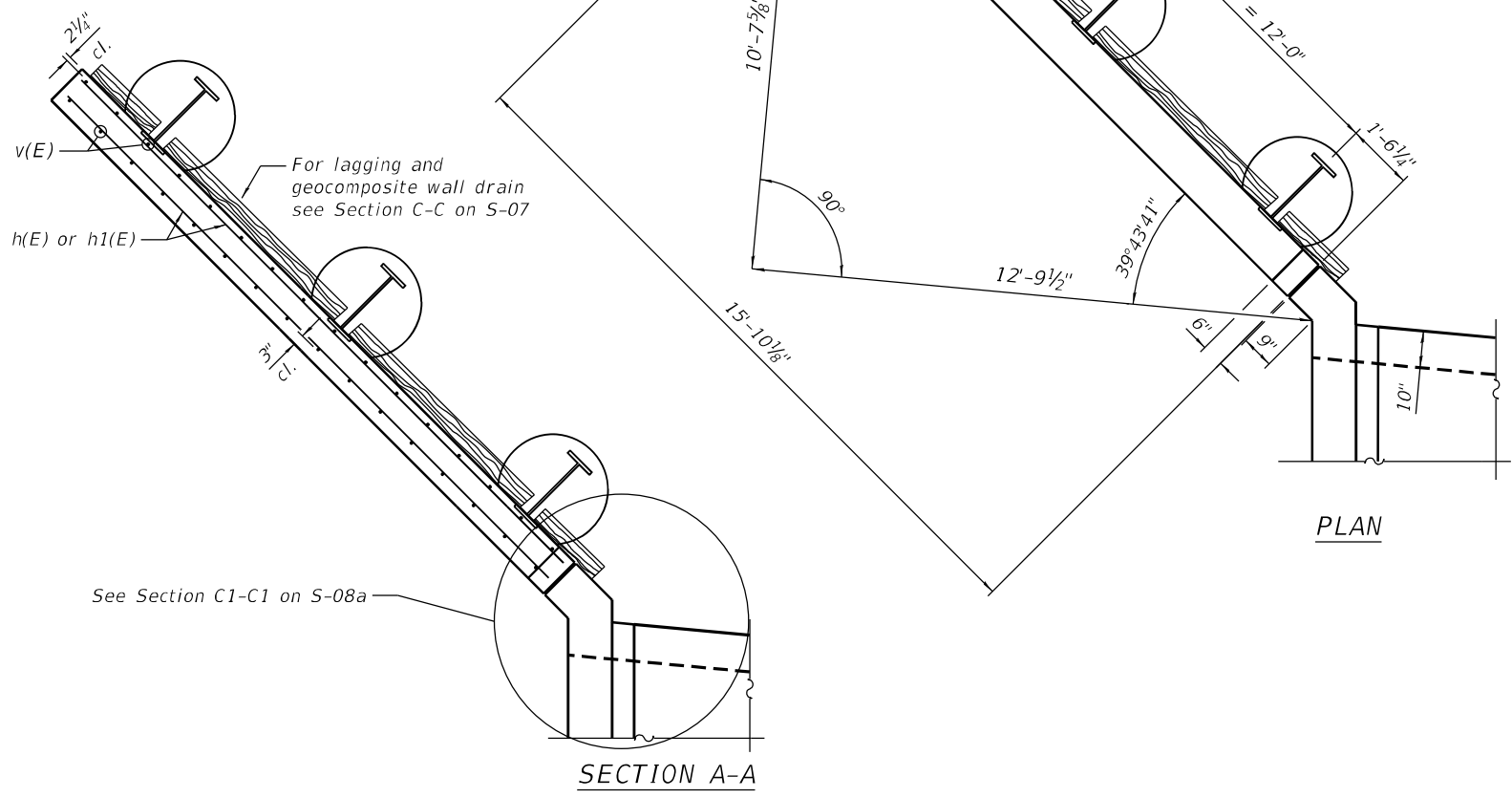
**GENERAL DATA
 STRUCTURE NO. 045-8302**

SHEET S-02 OF S-14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	24
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP#KRG(921)				



ELEVATION - NORTHWEST WING WALL
(Looking Northeast)



SECTION A-A

*Cut to Fit
**Adjust height as needed to account for actual rock elevation.

SOLDIER PILE DATA

Soldier Pile	Pile Size	Top Elevation	Bottom Elevation	Total Height (Ft.)	Number of Shear Studs
1	W21x93	719.52	698.50	21'-0"	14
2	W21x93	717.98	698.50	19'-6"	13
3	W21x93	716.44	698.50	17'-11"	11

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	15'-6"	—
h1(E)	2	#6	16'-0"	—
v(E)	34	#6	15'-2"	—
Geocomposite Wall Drain		Sq. Yd.	22	
Untreated Timber Lagging		Sq. Ft.	193	
Stud Shear Connectors		Each	38	
Furnishing Soldier Piles (W Section)		Foot	59	
Concrete Structures		Cu. Yd.	8.0	
Reinforcement Bars, Epoxy Coated		Pound	1,570	
Drilling & Setting Soldier Piles (In Soil)		Cu. Ft.	125	
Drilling & Setting Soldier Piles (In Rock)		Cu. Ft.	111	
Structure Excavation		Cu. Yd.	11	
Concrete Sealer		Sq. Ft.	116	

Note:
Verify Top of Rock elevations before ordering material. v(E) bar lengths and pile lengths to be adjusted as required. Payment amount will be for actual quantity installed.

USER: jstapleton
MODEL: Default
FILE NAME: P:\02_209_004_IDOT_FTB_190_14_Phase II Var-Var\Design\WO 2_62-H02\CADD\CADD_Sheets\162H02-shr-03-NWwallpre.dgn



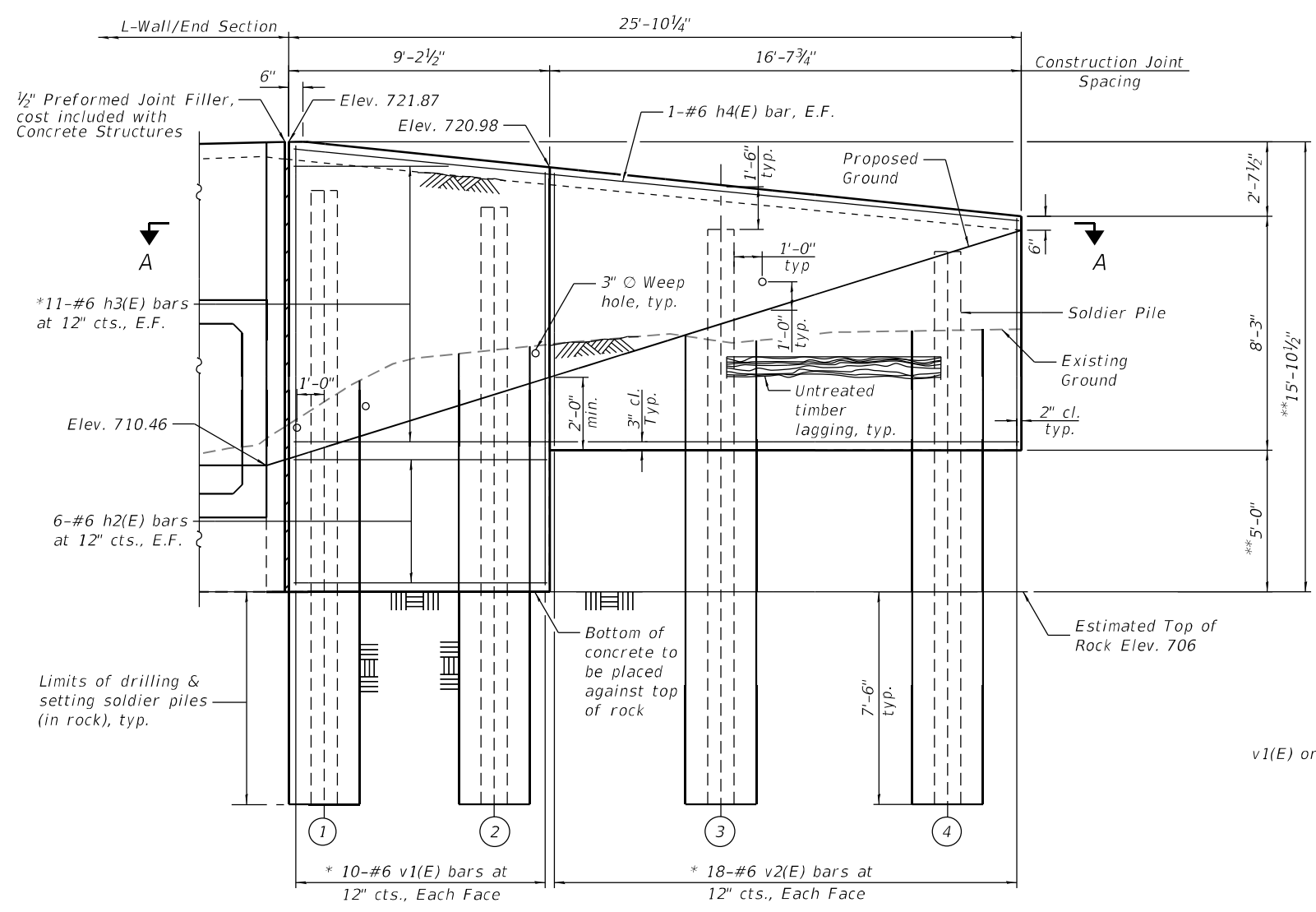
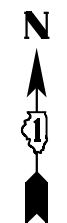
PEN TABLE = pdfNOLAYERSbw.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667"/in.	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:43:50 AM	DATE - 11/30/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NORTHWEST WING WALL PLAN AND ELEVATION
STRUCTURE NO. 045-8302**

SHEET S-03 OF S-14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	25
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

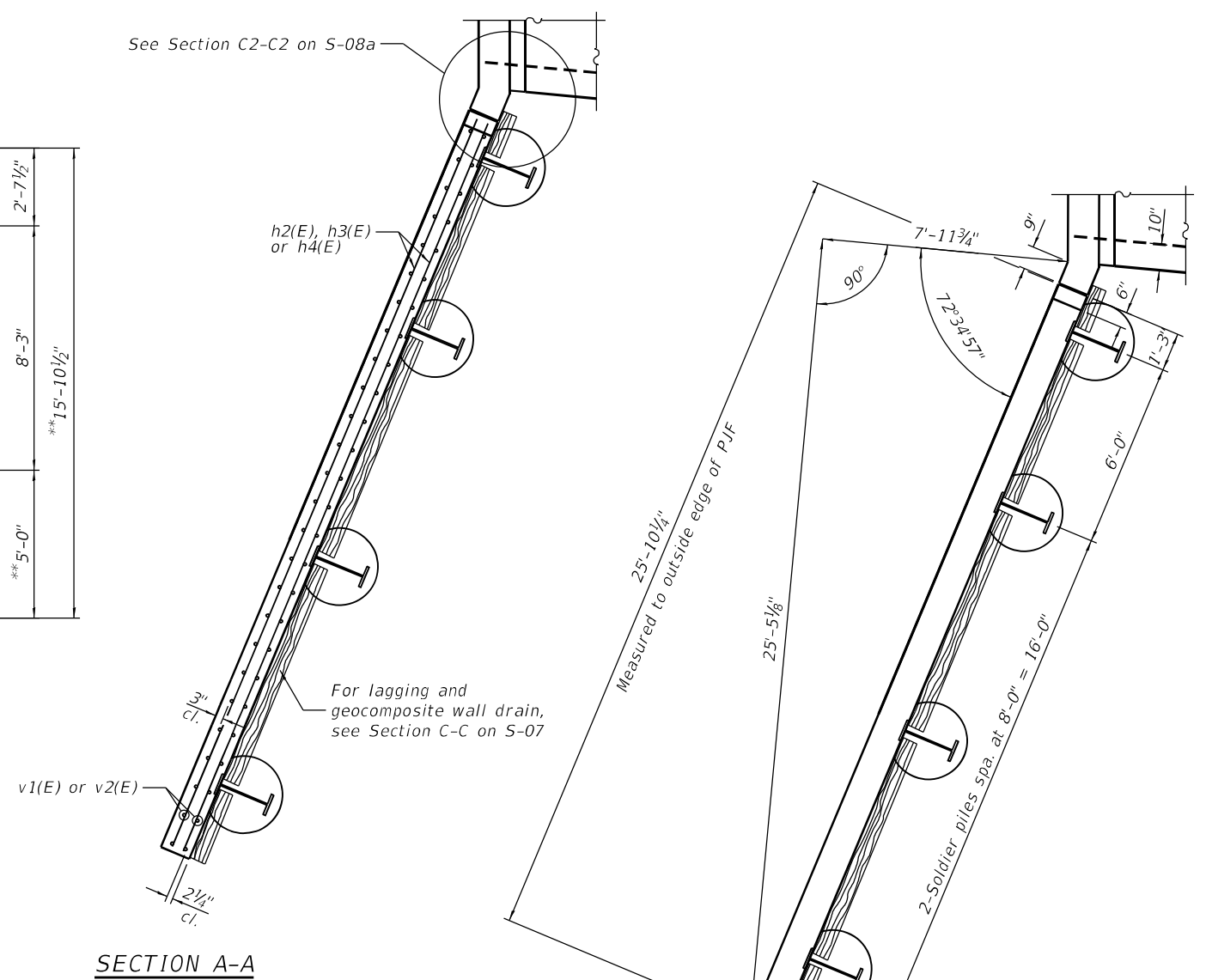


ELEVATION - SOUTHWEST WING WALL
(Looking Southeast)

* cut to fit
** Adjust height as needed to account for actual rock elevation.

SOLDIER PILE DATA

Soldier Pile	Pile Size	Top Elevation	Bottom Elevation	Total Height (Ft.)	Number of Shear Studs
1	W21x93	720.16	698.50	21'-8"	15
2	W21x93	719.57	698.50	21'-1"	14
3	W21x93	718.79	698.50	20'-4"	9
4	W21x93	718.01	698.50	19'-6"	8



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2(E)	12	#6	8'-10"	—
h3(E)	22	#6	25'-6"	—
h4(E)	2	#6	25'-7"	—
v1(E)	20	#6	15'-5"	—
v2(E)	36	#6	9'-6"	—
Geocomposite Wall Drain	Sq. Yd.		30	
Untreated Timber Lagging	Sq. Ft.		264	
Stud Shear Connectors	Each		46	
Furnishing Soldier Piles (W Section)	Foot		83	
Concrete Structures	Cu. Yd.		11.0	
Reinforcement Bars, Epoxy Coated	Pound		2,060	
Drilling & Setting Soldier Piles (In Soil)	Cu. Ft.		164	
Drilling & Setting Soldier Piles (In Rock)	Cu. Ft.		148	
Structure Excavation	Cu. Yd.		12	
Concrete Sealer	Sq. Ft.		190	

PLAN

Note:
Verify Top of Rock elevations before ordering material. v1(E) bar lengths and pile lengths to be adjusted as required. Payment amount will be for actual quantity installed.

USER: jstapleton
MODEL: Default
FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-shr-04-SWWallPile.dgn



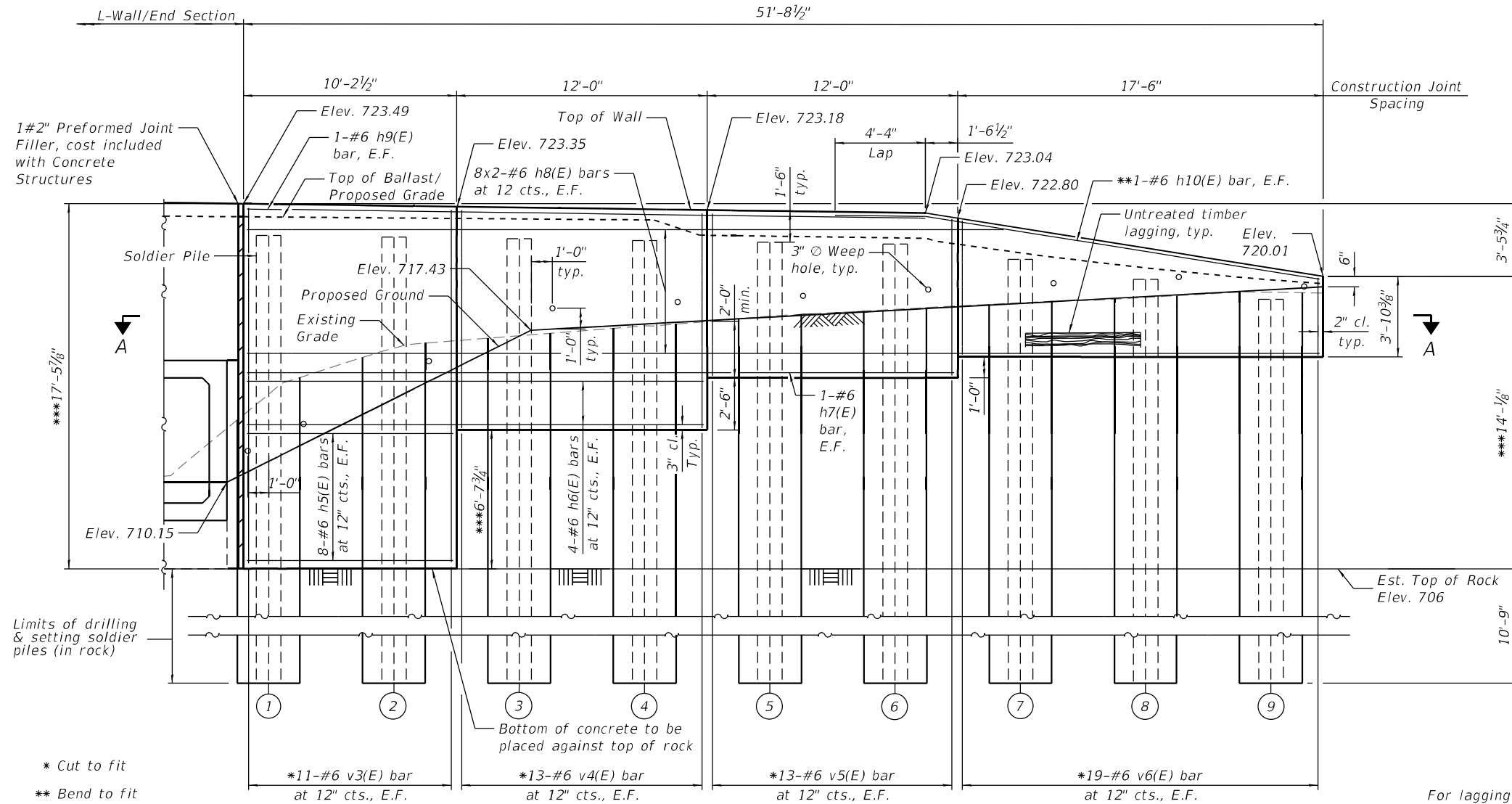
PEN TABLE = pdf\NOLAYERS\ow.pftc	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\162H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 12/7/2022 10:49:01 AM	DATE - 12/7/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTHWEST WING WALL PLAN AND ELEVATION
STRUCTURE NO. 045-8302**

SHEET S-04 OF S-14 SHEETS

F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53	SHEET NO. 26
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP4BKRQ(921)				



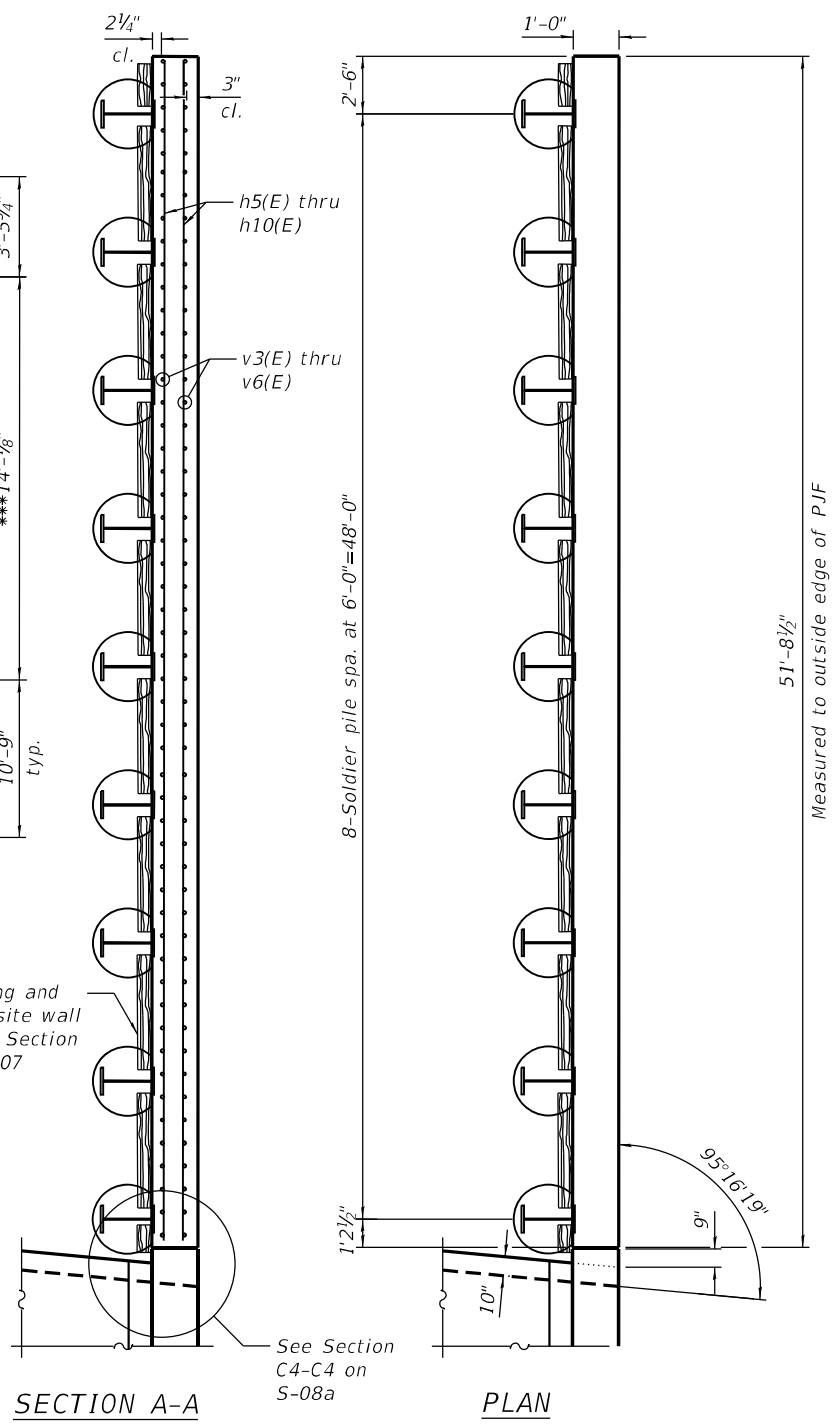
ELEVATION - NORTHEAST WING WALL
(Looking West)

SOLDIER PILE DATA

Soldier Pile	Pile Size	Top Elevation	Bottom Elevation	Total Height (Ft.)	Number of Shear Studs
1	W27X178	721.97	695.25	26'-9"	17
2	W27X178	721.89	695.25	26'-8"	17
3	W27X178	721.81	695.25	26'-7"	10
4	W27X178	721.73	695.25	26'-6"	10
5	W27X178	721.64	695.25	26'-5"	7
6	W27X178	721.56	695.25	26'-4"	7
7	W27X178	720.82	695.25	25'-7"	5
8	W27X178	719.86	695.25	24'-7"	4
9	W27X178	718.91	695.25	23'-8"	4

BILL OF MATERIAL

Bar	No.	Size	Length	Shape		
h5(E)	16	#6	9'-10"	---		
h6(E)	8	#6	21'-10"	---		
h7(E)	2	#6	33'-10"	---		
h8(E)	32	#6	28'-0"	---		
h9(E)	2	#6	32'-4"	---		
h10(E)	2	#6	24'-0"	---		
v3(E)	22	#6	17'-1"	---		
v4(E)	26	#6	10'-3"	---		
v5(E)	26	#6	7'-7"	---		
v6(E)	38	#6	6'-2"	---		
Geocomposite Wall Drain			Sq. Yd.	47		
Untreated Timber Lagging			Sq. Ft.	420		
Stud Shear Connectors			Each	81		
Furnishing Soldier Piles (W Section)			Foot	234		
Concrete Structures			Cu. Yd.	18.3		
Reinforcement Bars, Epoxy Coated			Pound	3,730		
Drilling & Setting Soldier Piles (In Soil)			Cu. Ft.	742		
Drilling & Setting Soldier Piles (In Rock)			Cu. Ft.	685		
Structure Excavation			Cu. Ft.	19		
Concrete Sealer			Sq. Ft.	371		



SECTION A-A

PLAN

Notes:
Verify Top of Rock elevations before ordering material. v3(E) bar lengths and pile lengths to be adjusted as required. Payment amount will be for actual quantity installed.
Bars indicated thus 8x2-#6 etc. indicates 8 lines of bars with 2 lengths per line.

USER: jstapleton
MODEL: Default
FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-SHT-05-NEWWallps.dgn



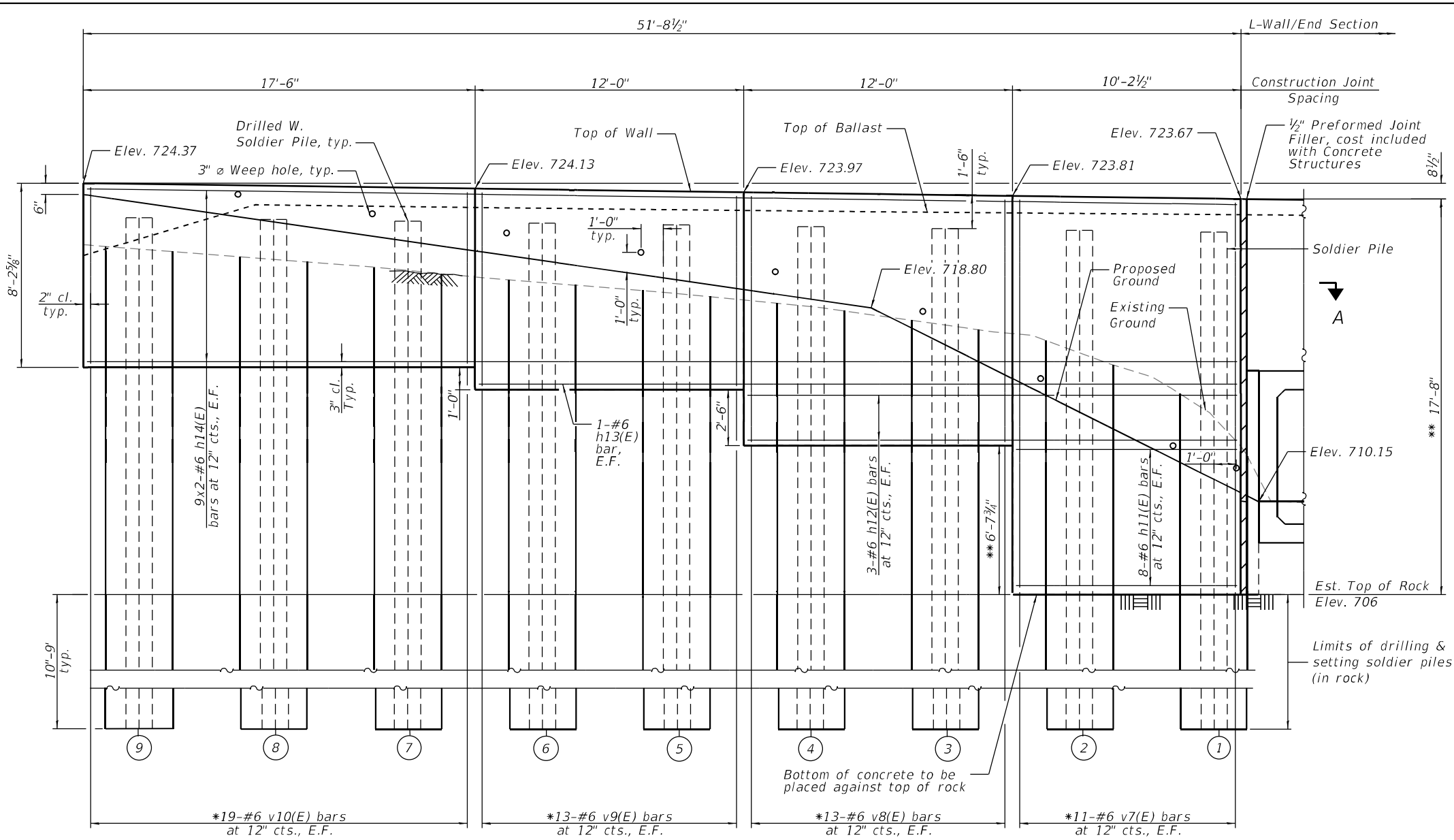
PEN TABLE = pdfNOLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:43:54 AM	DATE - 11/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTHEAST WING WALL PLAN AND ELEVATION
STRUCTURE NO. 045-8302

SHEET S-05 OF S-14 SHEETS

F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53	SHEET NO. 27
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STPBKRQ(921)				



ELEVATION - SOUTHEAST WING WALL
(Looking West)

* Cut to fit
 ** Adjust height as needed to account for actual rock elevation.

MIN. LAP
 #6 Bar = 4'-4"

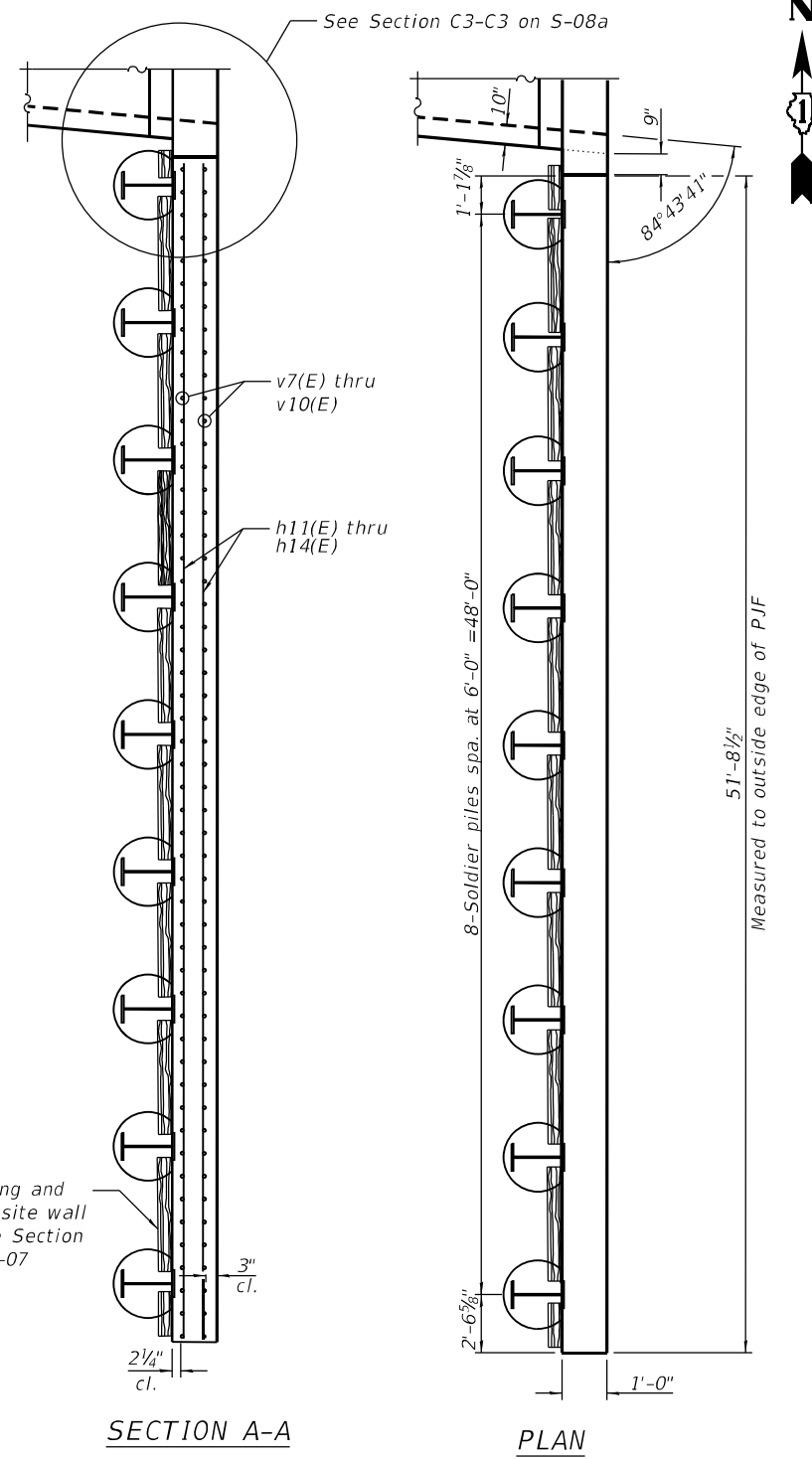
SOLDIER PILE DATA

Soldier Pile	Pile Size	Top Elevation	Bottom Elevation	Total Height (Ft.)	Number of Shear Studs
1	W27x178	722.18	695.25	26'-11"	17
2	W27x178	722.27	695.25	27'-0"	17
3	W27x178	722.35	695.25	27'-1"	10
4	W27x178	722.43	695.25	27'-2"	10
5	W27x178	722.51	695.25	27'-3"	8
6	W27x178	722.59	695.25	27'-4"	8
7	W27x178	722.67	695.25	27'-5"	7
8	W27x178	722.76	695.25	27'-6"	7
9	W27x178	722.84	695.25	27'-7"	7

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h11(E)	16	#6	9'-10"	—
h12(E)	6	#6	21'-10"	—
h13(E)	2	#6	33'-10"	—
h14(E)	36	#6	28'-0"	—
v7(E)	22	#6	17'-4"	—
v8(E)	26	#6	10'-10"	—
v9(E)	26	#6	8'-4"	—
v10(E)	38	#6	7'-9"	—
Geocomposite Wall Drain	Sq. Yd.	55		
Untreated Timber Lagging	Sq. Ft.	492		
Stud Shear Connectors	Each	91		
Furnishing Soldier Piles (W Section)	Foot	246		
Concrete Structures	Cu. Yd.	20.5		
Reinforcement Bars, Epoxy coated	Pound	3,820		
Drilling & Setting Soldier Piles (In Soil)	Cu. Ft.	819		
Drilling & Setting Soldier Piles (In Rock)	Cu. Ft.	685		
Structure Excavation	Cu. Yd.	24		
Concrete Sealer	Sq. Ft.	351		

For lagging and geocomposite wall drain see Section C-C on S-07



SECTION A-A

PLAN

Notes:
 Verify Top of Rock elevations before ordering material. v7(E) bar lengths and pile lengths to be adjusted as required. Payment amount will be for actual quantity installed.
 Bars indicated thus 9x2-#6 etc. indicates 9 lines of bars with 2 lengths per line.

USER: jstapleton
 MODEL: Default
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-sht-06-S-EWall.pce.dgn



PEN TABLE = pdfNLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\2024-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:43:58 AM	DATE - 11/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

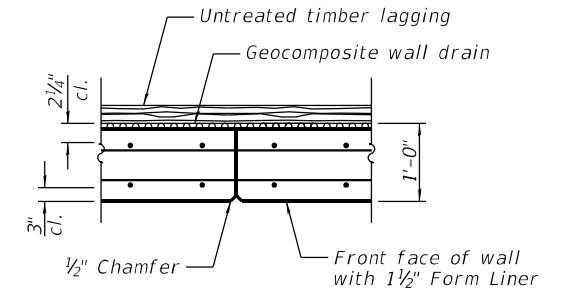
SOUTHEAST WING WALL PLAN AND ELEVATION
STRUCTURE NO. 045-8302

SHEET S-06 OF S-14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	28
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT SP4RKRQ(921)				

SOLDIER PILE WINGWALL CONSTRUCTION SEQUENCE

1. Construct concrete box culvert.
2. Drill soldier piles (may be completed prior to completing construction of box culvert).
3. Install timber lagging.
4. Place and compact backfill behind wingwall to top of timber lagging.
5. Install shear stud connectors.
6. Place reinforcement and form concrete wall face.
7. Cast concrete wingwall facing.
8. Place remainder of backfill to proposed ground surface elevations on both sides of wall (backfill front side of wall as much as possible before backfilling is completed).

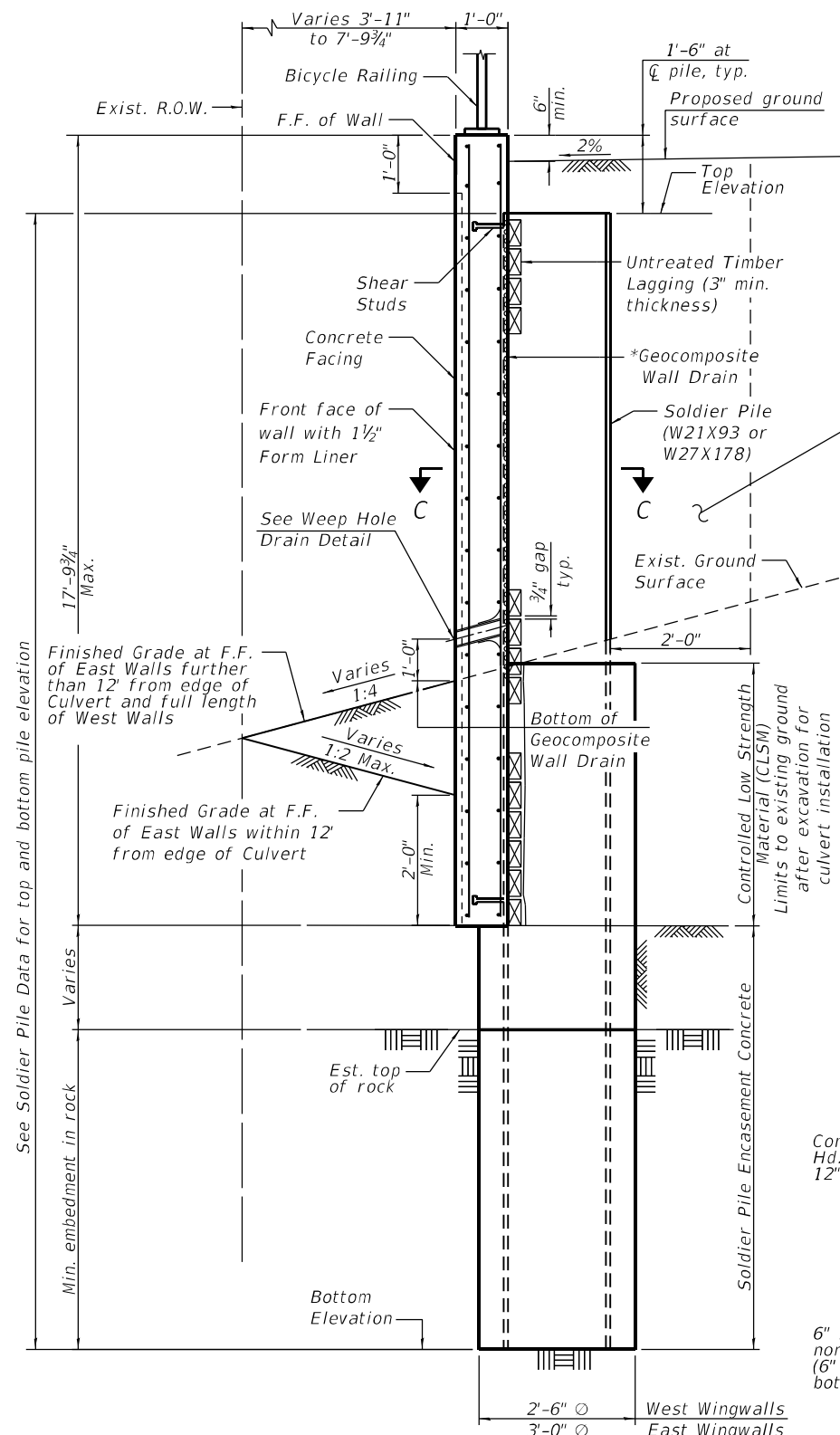


CONSTRUCTION JOINT DETAIL

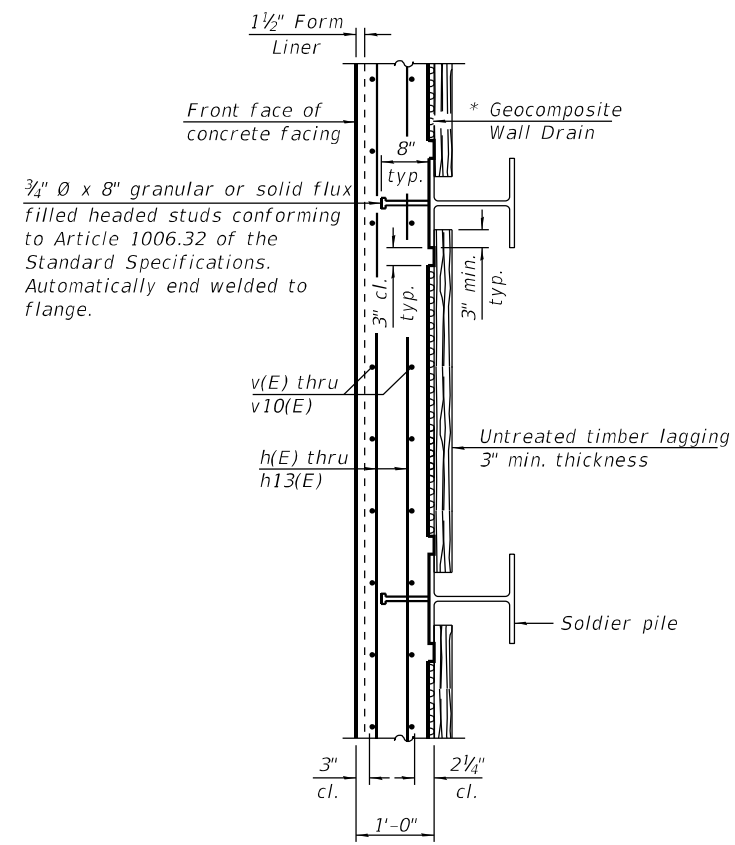
Notes:

In order to minimize excessive deflection and/or stresses in the soldier piles, compaction equipment used within 4 ft of the back face of the timber lagging shall be limited to lightweight mechanical tampers, rollers, or vibratory systems.

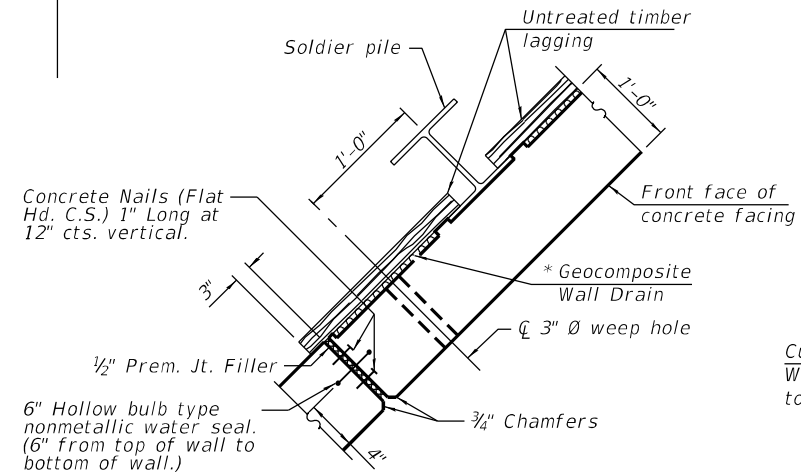
The Contractor is responsible for the design and performance of the timber lagging using no less than a 3 inch nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.



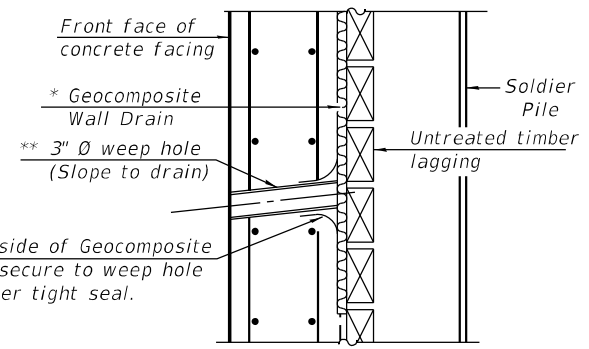
TYPICAL CROSS SECTION SOLDIER PILE WALL



SECTION C-C

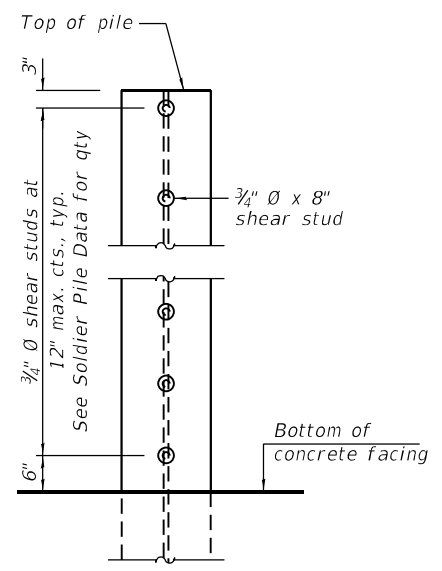


SECTION THRU WINGWALL TO CULVERT CONNECTION



WEEP HOLE DRAIN DETAIL

- * Geocomposite Wall Drain not to exceed thickness of 3/4 inch.
- ** Cost of the weep hole drain and connection to the Geocomposite Wall Drain are included in the cost of Concrete Structures.



SHEAR STUD DETAIL

(Elevation of pile shown)

USER: jstapleton
 MODEL: Default
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-sht-07-walltypical.dgn



PEN TABLE = pdf\NOLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\2020-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:03 AM	DATE - 11/30/2022	REVISED -

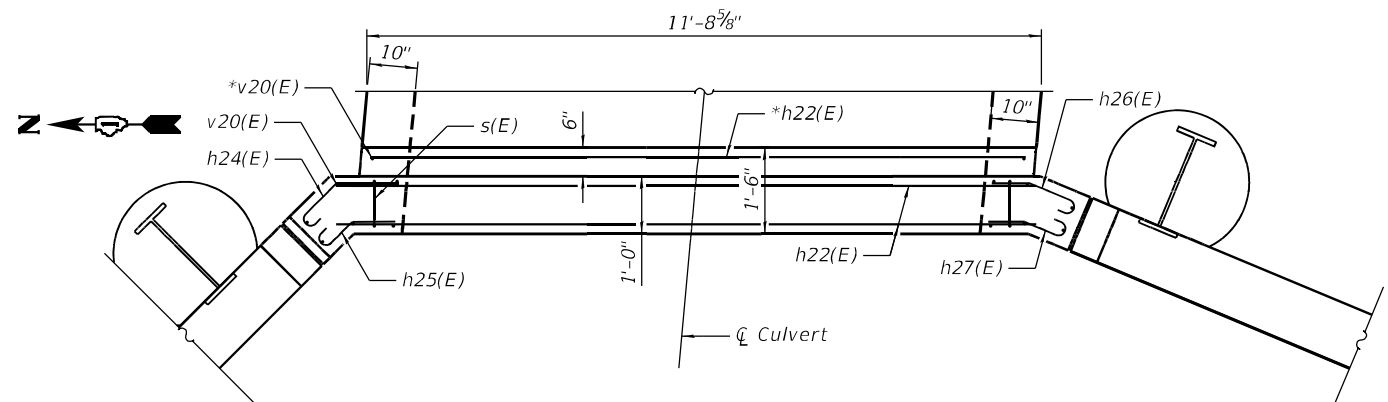
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WING WALL TYPICAL SECTION AND DETAILS
 STRUCTURE NO. 045-8302**

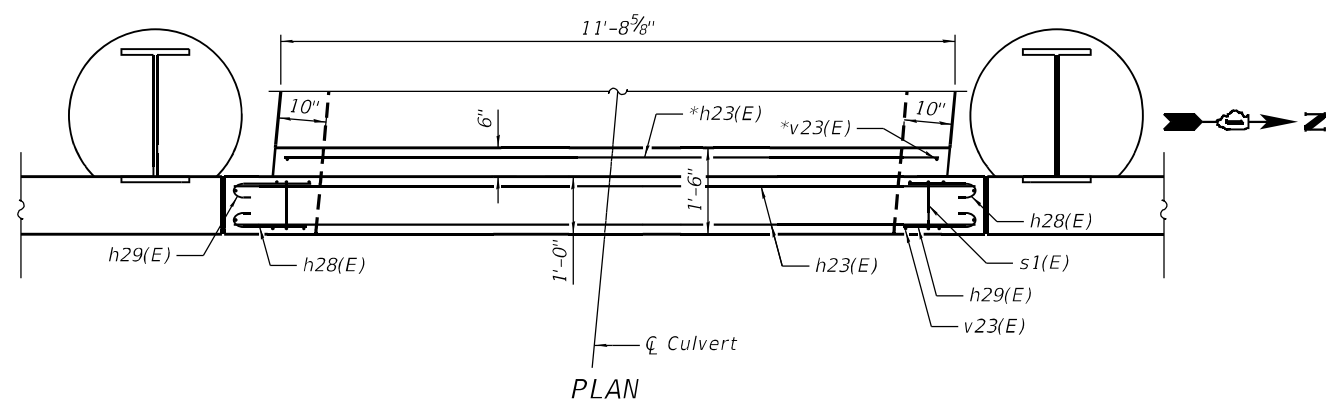
SHEET S-07 OF S-14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	29
CONTRACT NO. 62H02				

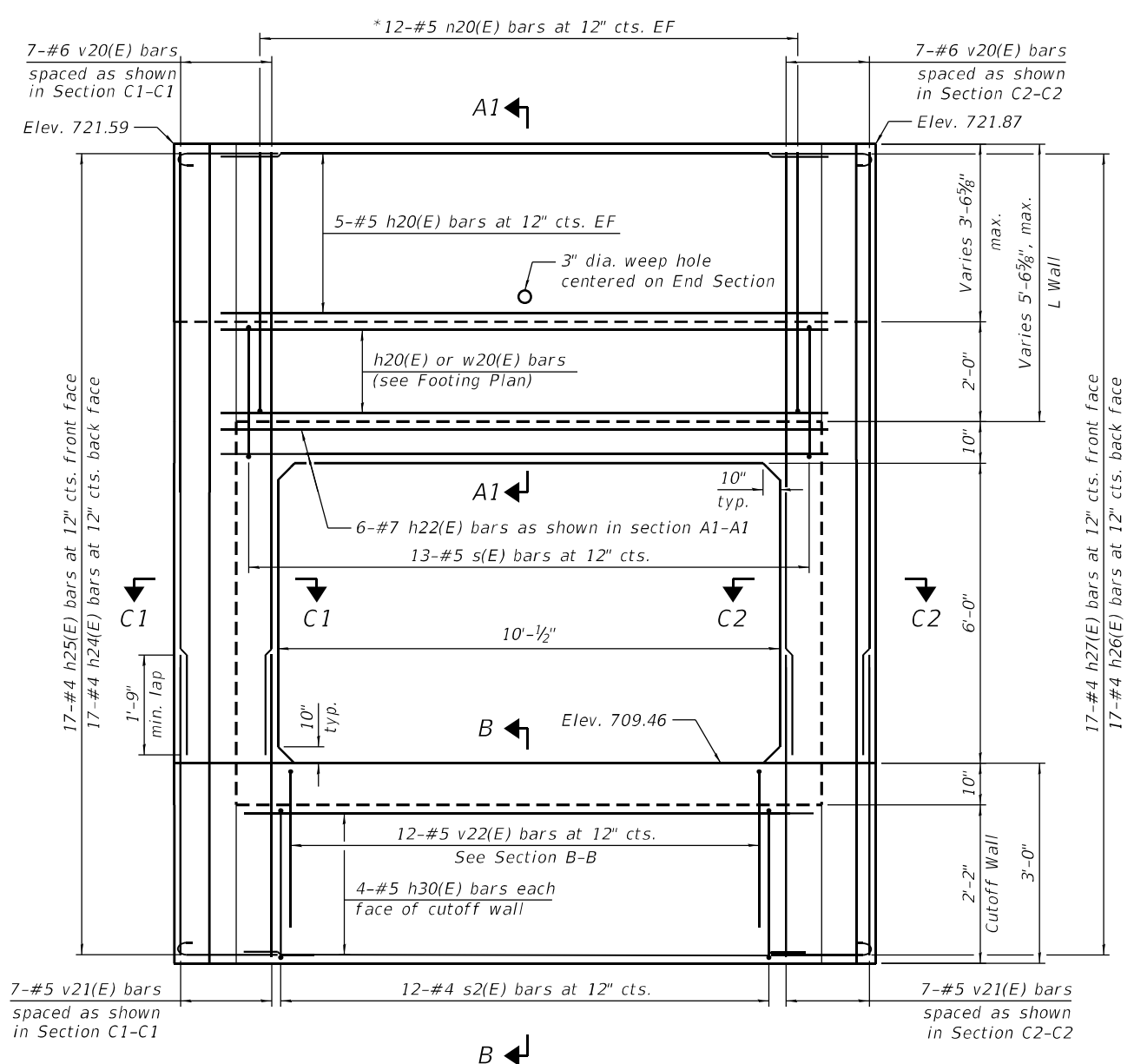
ILLINOIS FED. AID PROJECT STP#R90(921)



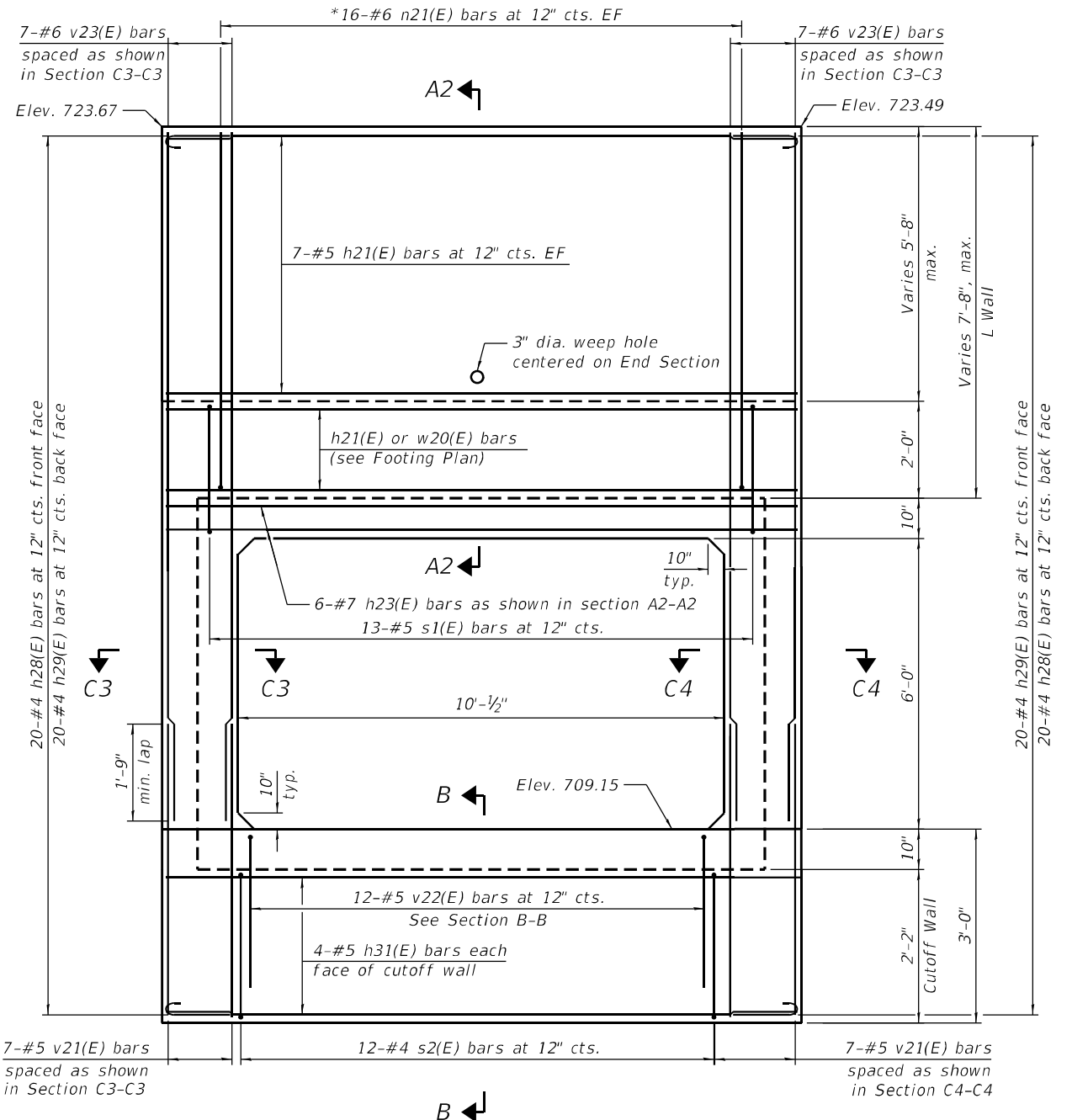
PLAN
(L Wall reinforcement not shown for clarity.)



PLAN
(L Wall reinforcement not shown for clarity.)



WEST END ELEVATION
(Wingwalls omitted in this view for clarity.)



EAST END ELEVATION
(Wingwalls omitted in this view for clarity.)

Notes:
See Sheet S-08a for notes and Bill of Material.
See Sheet S-08a and S-08b for Sections.

* Cut to fit

USER: jstapleton
MODEL: Default
FILE NAME: P:\02_209_004_IDOT_PTB_190_14 Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-shr-08-endssection-p&e.dgn



PEN TABLE = pdf\NOLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/ft	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:06 AM	DATE - 11/30/2022	REVISED -

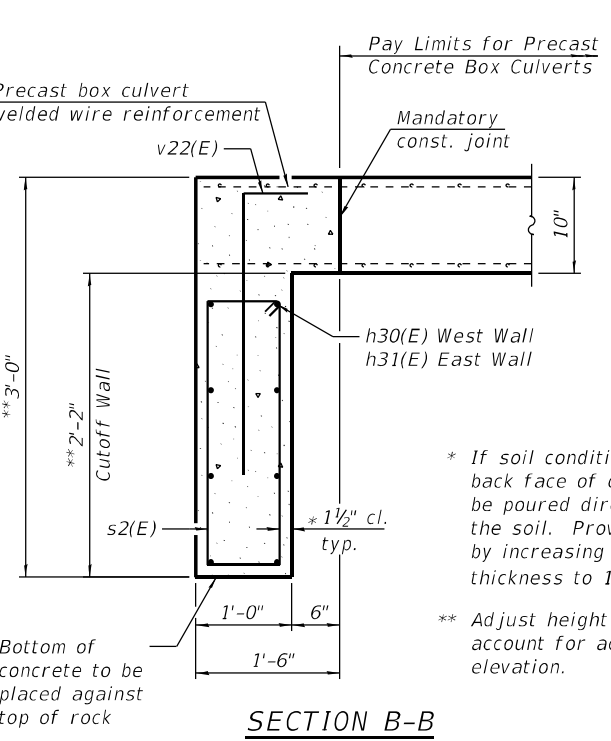
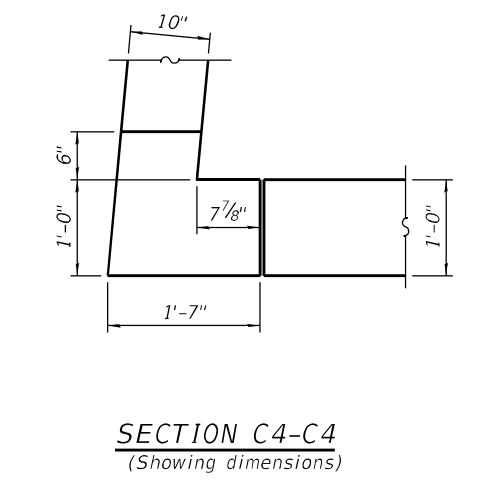
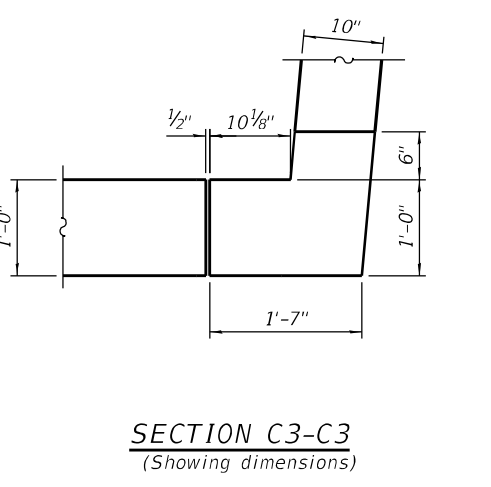
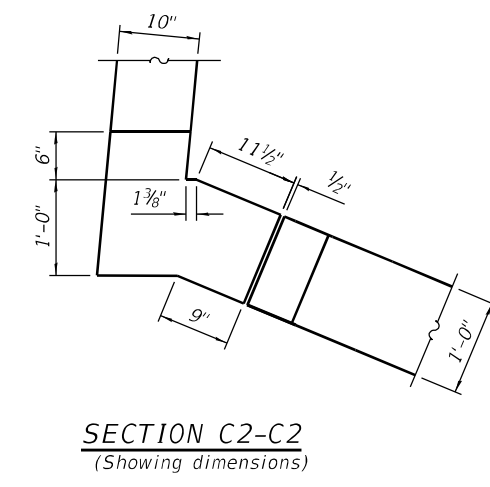
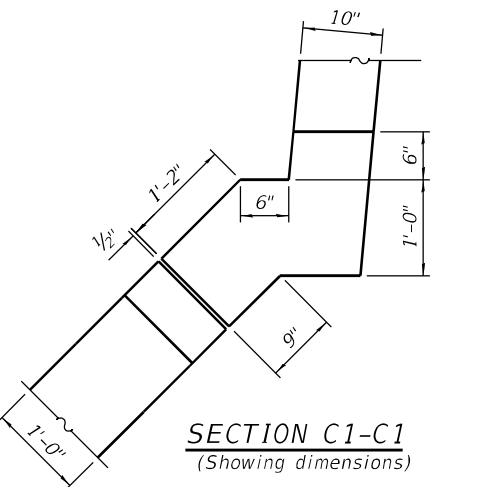
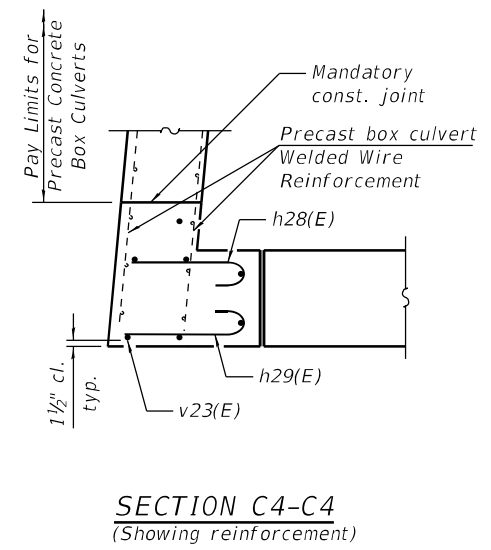
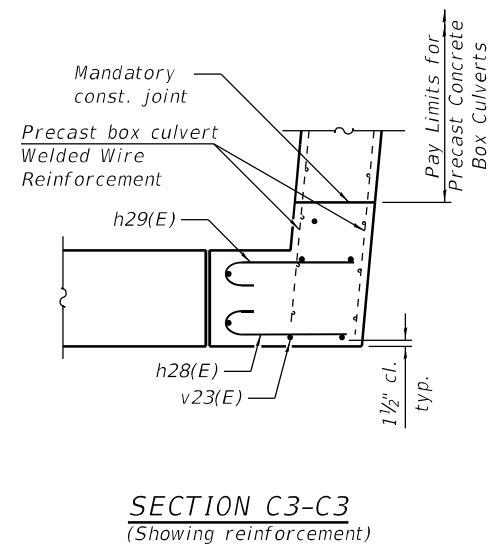
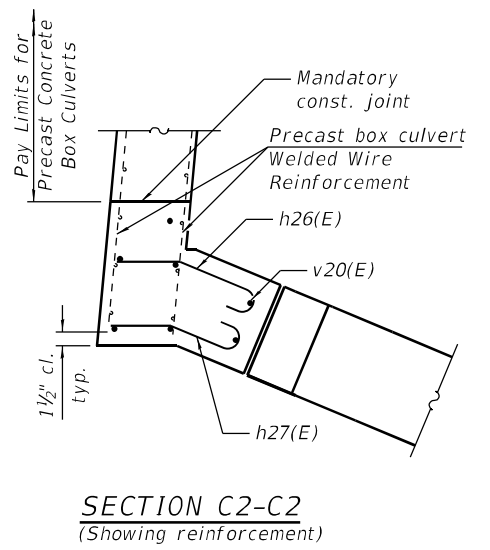
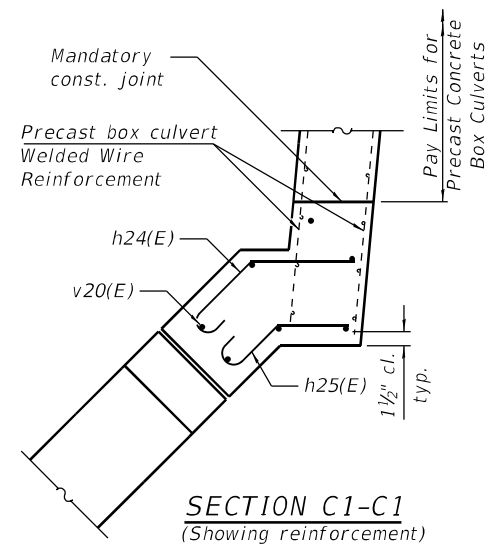
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION DETAILS 1 of 2
STRUCTURE NO. 045-8302

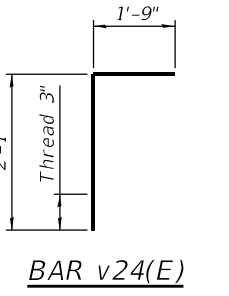
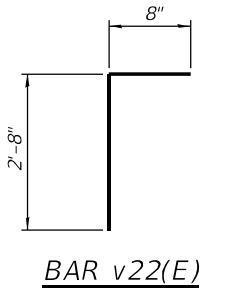
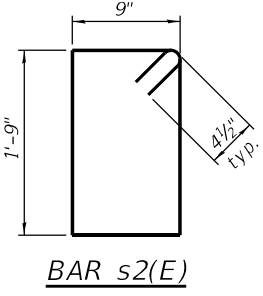
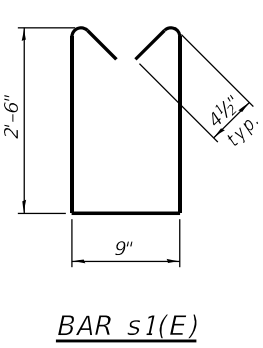
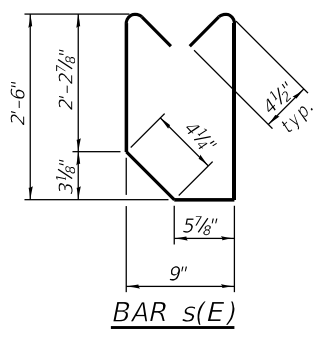
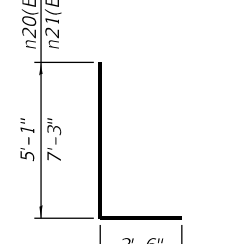
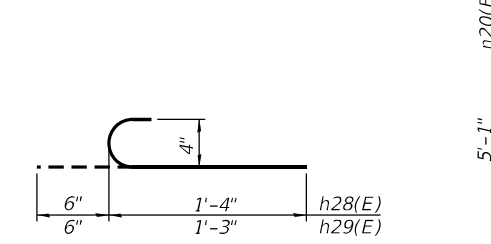
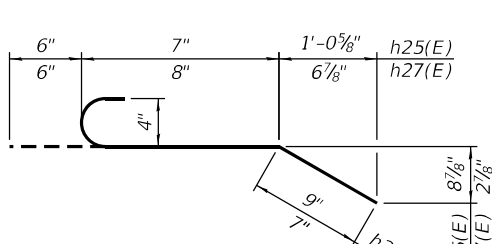
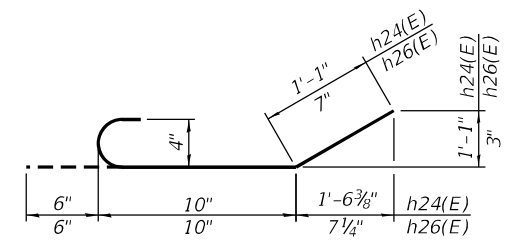
SHEET S-08 OF S-14 SHEETS

F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53	SHEET NO. 30
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP4BKRQ(921)				

Notes:
 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 h24(E) thru h29(E) bars as required to maintain clearance.
 Extend precast concrete box culvert welded wire reinforcement into end section. Bend as necessary to provide 1 1/2" clear cover.
 See sheets S-03 thru S-07 for additional wing wall details.
 Verify Top of Rock elevations before ordering material. s2(E) bar lengths to be adjusted as required. Payment amount will be for actual quantity installed.



* 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".
 ** Adjust height as needed to account for actual rock elevation.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h20(E)	12	#5	12'-2"	—
h21(E)	16	#5	12'-10"	—
h22(E)	6	#7	12'-2"	—
h23(E)	6	#7	12'-10"	—
h24(E)	17	#4	2'-5"	⌋
h25(E)	17	#4	1'-10"	⌋
h26(E)	17	#4	1'-11"	⌋
h27(E)	17	#4	1'-9"	⌋
h28(E)	38	#4	1'-10"	⌋
h29(E)	38	#4	1'-9"	⌋
h30(E)	8	#5	12'-2"	—
h31(E)	8	#5	12'-10"	—
n20(E)	24	#5	7'-7"	⌋
n21(E)	32	#6	9'-9"	⌋
s(E)	13	#5	6'-4"	⌋
s1(E)	13	#5	6'-6"	⌋
s2(E)	24	#4	5'-9"	⌋
t20(E)	24	#5	7'-8"	—
t21(E)	32	#6	13'-8"	—
v20(E)	14	#6	11'-9"	—
v21(E)	28	#5	5'-0"	—
v22(E)	24	#5	3'-4"	—
v23(E)	14	#6	14'-0"	—
v24(E)	27	#5	3'-10"	—
w20(E)	44	#5	11'-4"	—
Geocomposite Wall Drain	Sq. Yd.		12	
Concrete Structures	Cu. Yd.		29.1	
Concrete Sealer	Sq. Ft.		258	
Reinforcement Bars, Epoxy Coated	Pound		4,240	
Granular Backfill for Structures	Cu. Yd.		24	

USER: jstapleton
 MODEL: Default
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14 Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-shr-08a-endsection-det.dgn



PEN TABLE = pdf\NOLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\162H02-PreFinal.plt	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 12/7/2022 10:50:27 AM	DATE - 12/7/2022	REVISED -

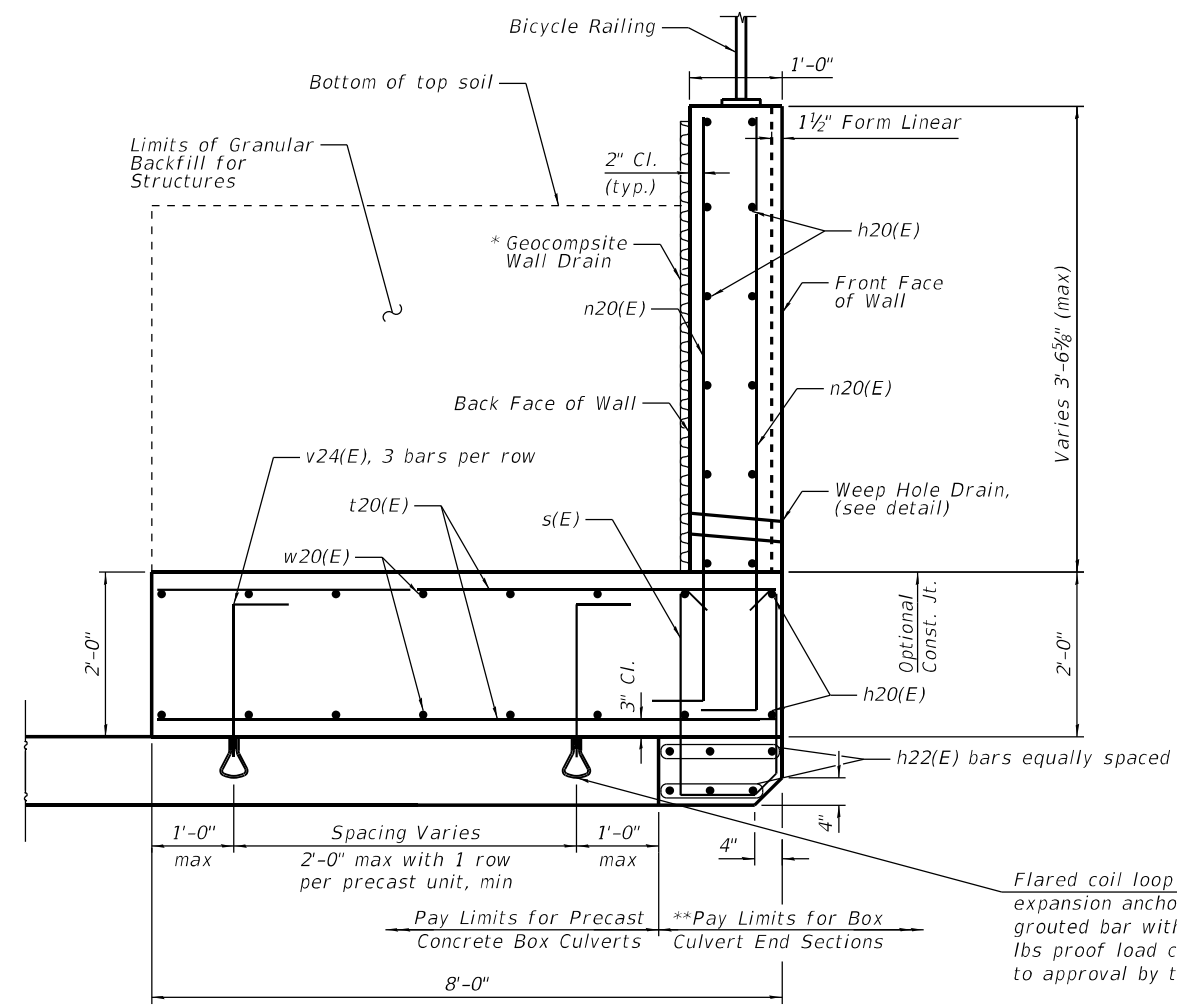
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION DETAILS 2 of 2
 STRUCTURE NO. 045-8302

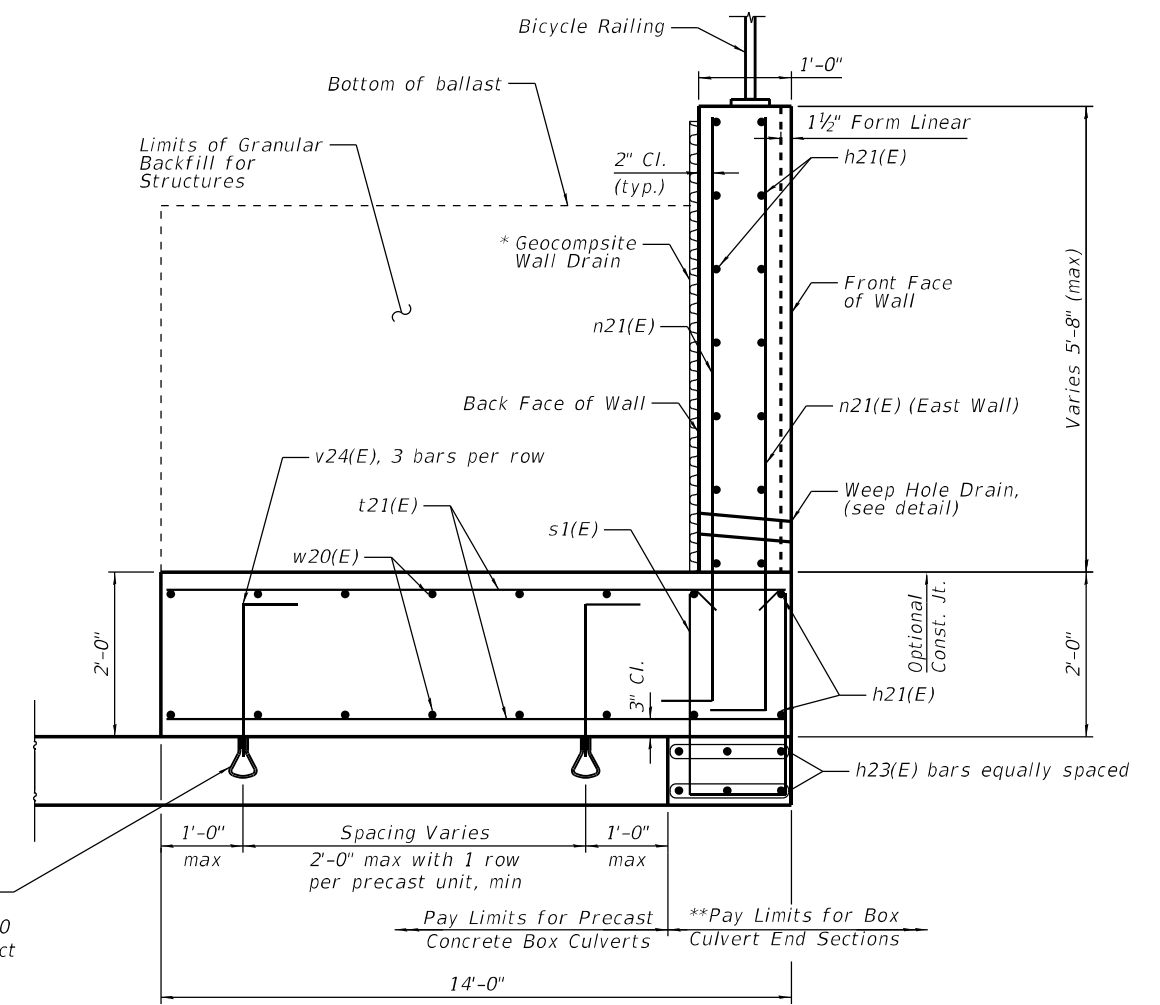
SHEET S-08a OF S-14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	30a
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

USER: jstapleton
 MODEL: Default
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-sht-08b-detail-LWall.dgn

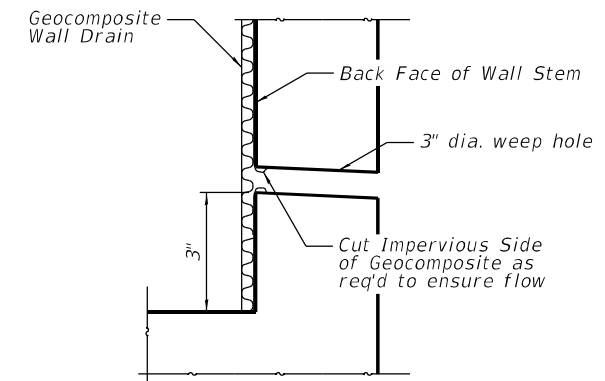


SECTION A1-A1

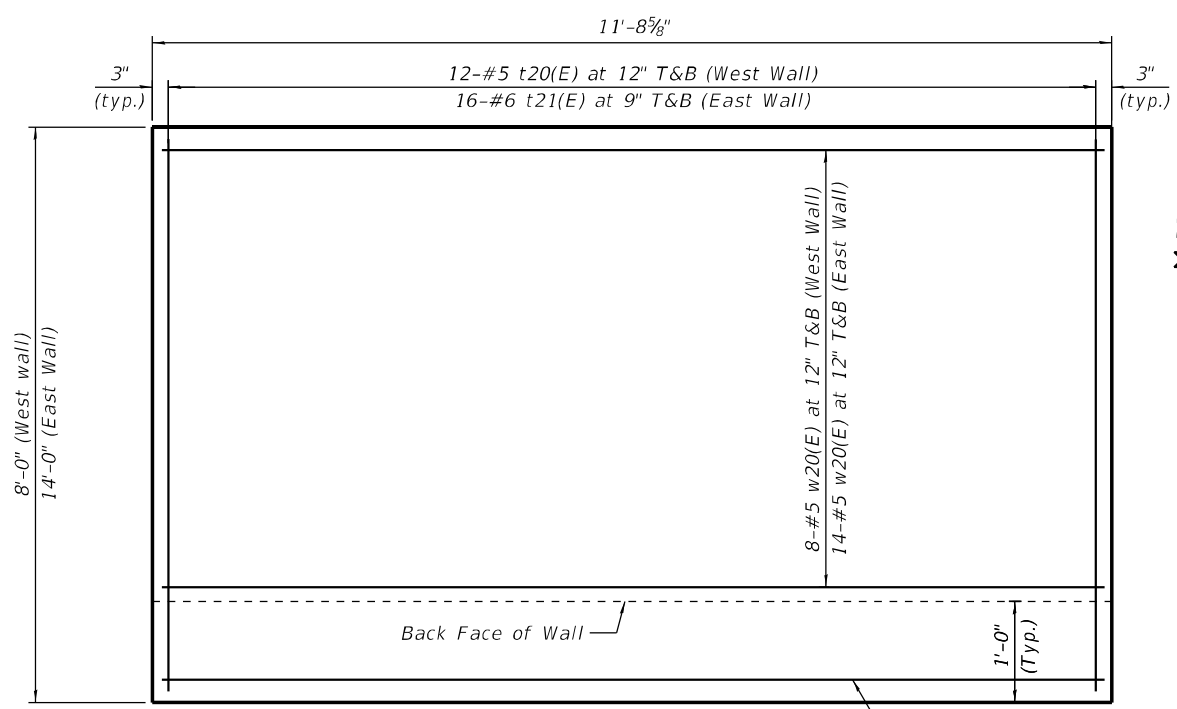


SECTION A2-A2

Flared coil loop anchor, expansion anchor, or epoxy grouted bar with minimum 7500 lbs proof load capacity, subject to approval by the Engineer.



WEEP HOLE DRAIN DETAIL



FOOTING PLAN
(Both Sides)

* Extend Geocomposite wall drains to lap with proposed wingwall Geocomposite Wall drain
 ** See Sheet S-08a Bill of Material for Box Culvert End Section pay items



PEN TABLE = pdf\NOLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:11 AM	DATE - 11/30/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

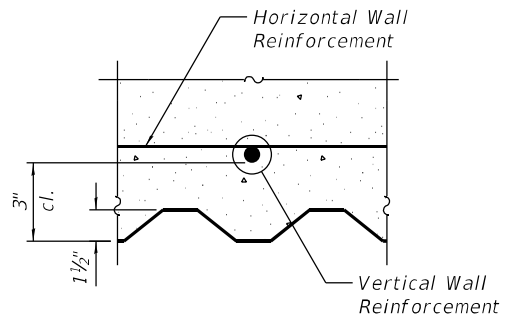
L WALL DETAILS
 STRUCTURE NO. 045-8302

SHEET S-08b OF S-14 SHEETS

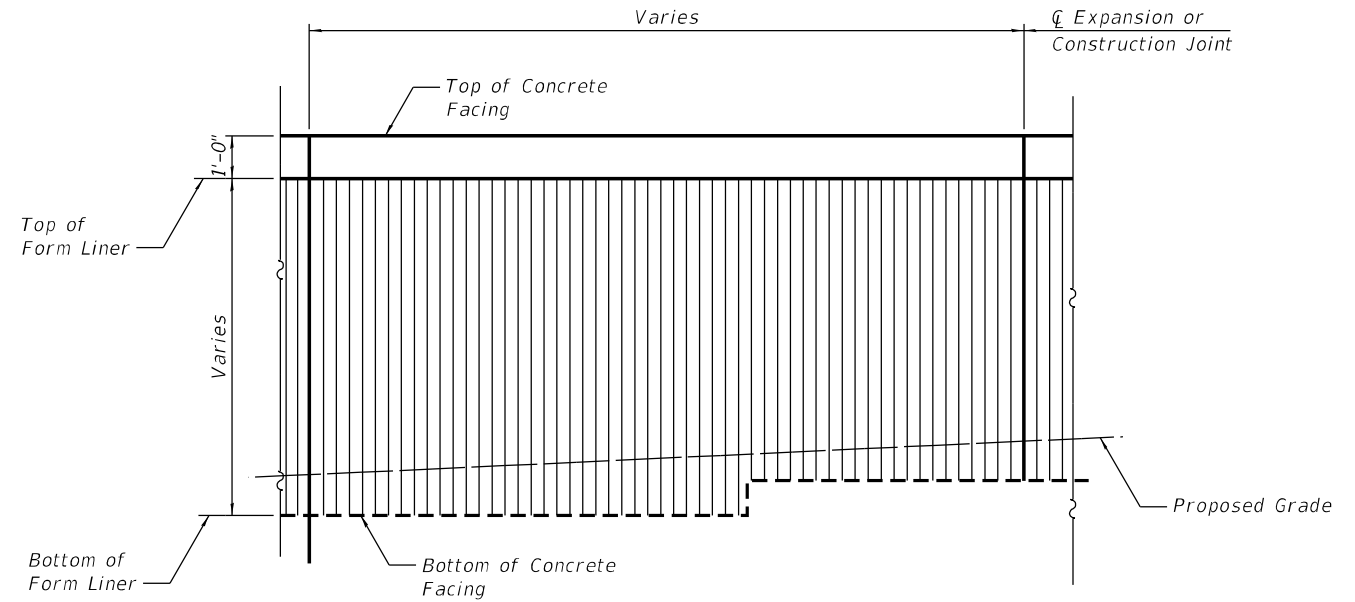
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	30b
CONTRACT NO. 62H02				

ILLINOIS FED. AID PROJECT STP#K90(921)

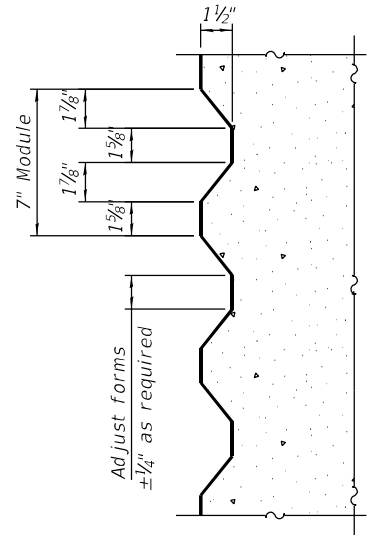
USER: jstapleton
 MODEL: Default
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-shr-09-detail-Formliner.dgn



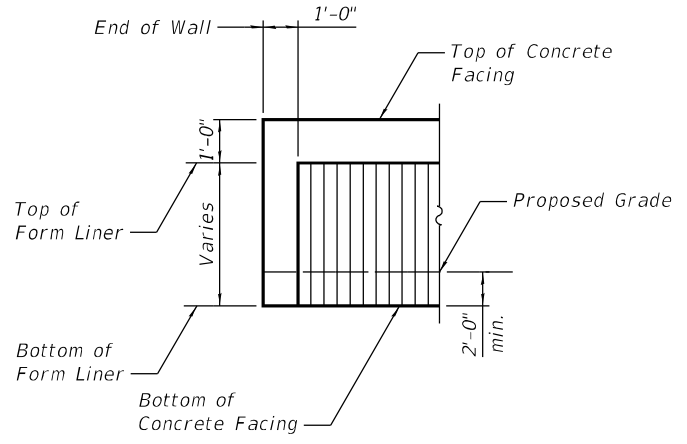
PLAN - FORM LINER



ELEVATION - FORM LINER



FORM LINER DETAIL



END FORM LINER FINISH



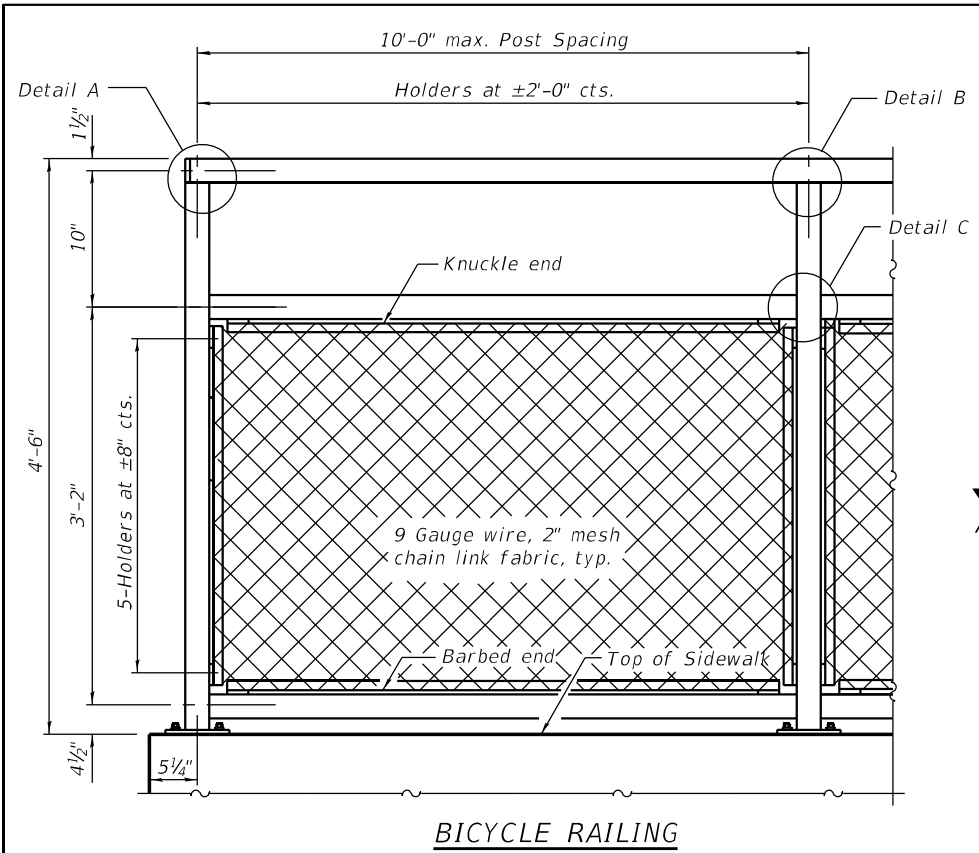
PEN TABLE = pdfNOLAYERSow.plt/cfg	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.2,000'"/ft.	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:15 AM	DATE - 11/30/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

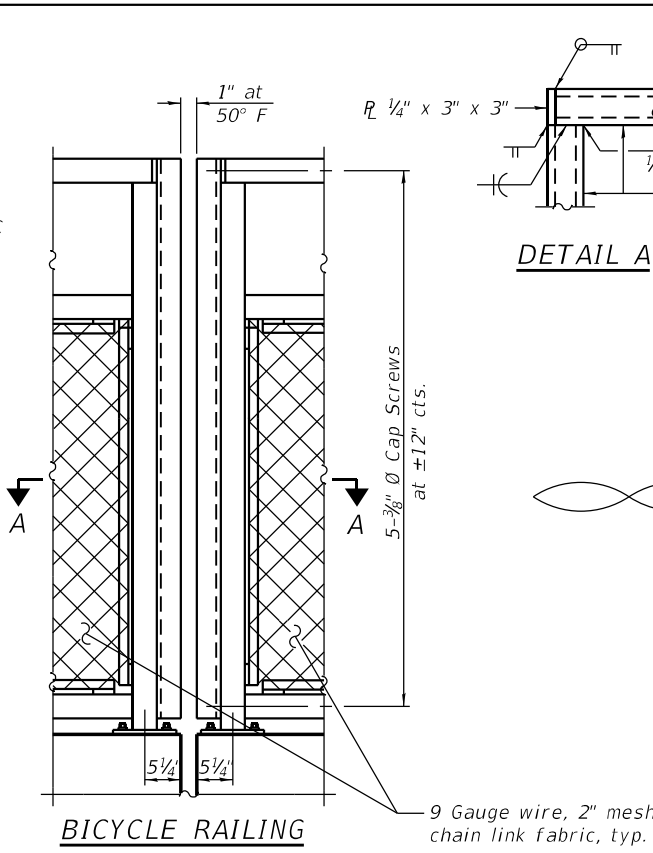
**FORM LINER DETAILS
 STRUCTURE NO. 045-8302**

SHEET S-09 OF S-14 SHEETS

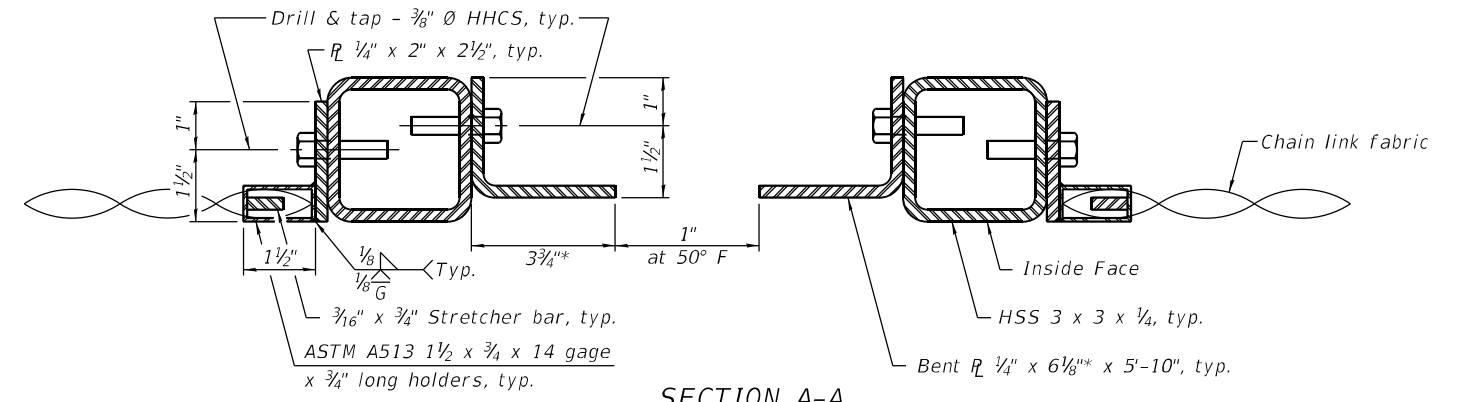
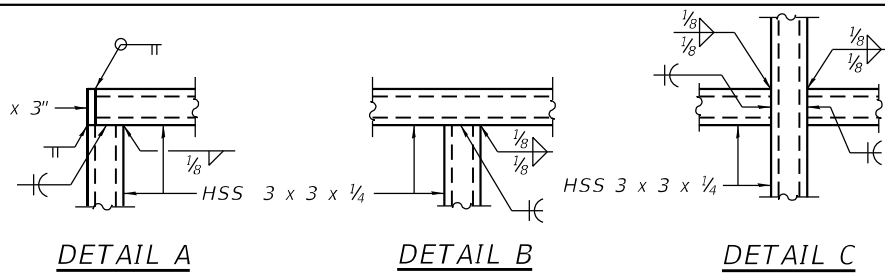
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	31
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP#KRG(921)				



BICYCLE RAILING

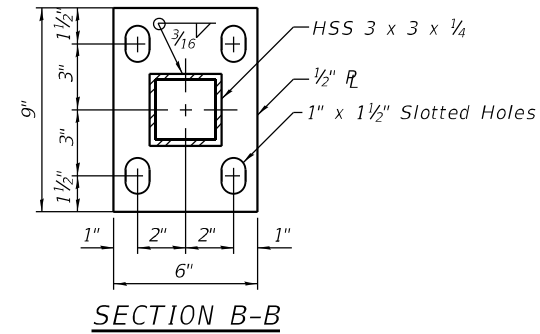


BICYCLE RAILING

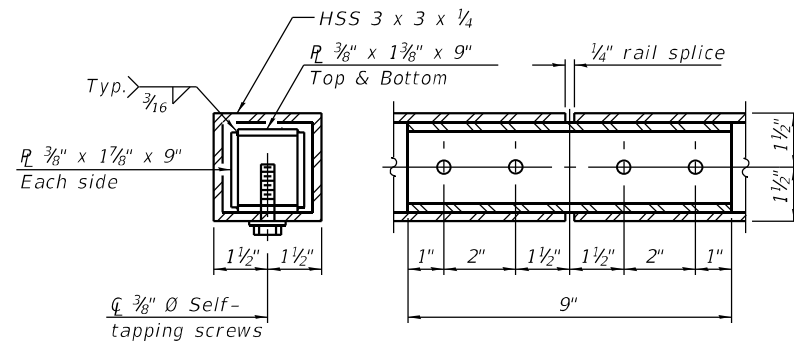


SECTION A-A

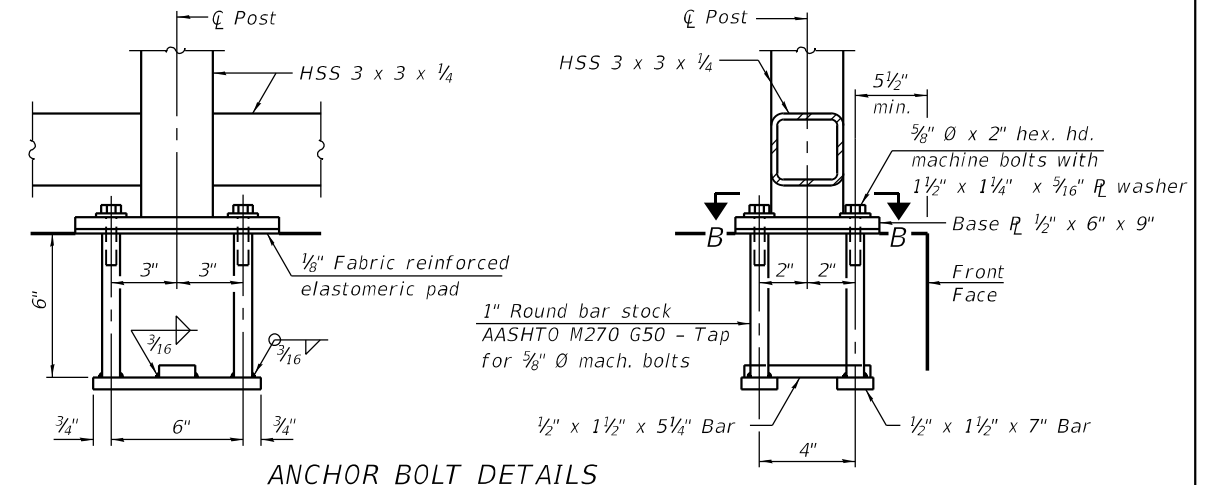
* Assume 3/8" radius. Dimensions may need to be modified for larger joints to avoid gaps greater than 6".



SECTION B-B



RAIL SPLICE



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	170

RAILING CRITERIA	
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

Notes:

Place reinforcement bars to miss anchor rod locations. CVN testing is not required for the HSS tubing used in the Bicycle Railing.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

PEN TABLE = pdfNOLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D162H02-PreFinal.plt	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in.	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:19 AM	DATE - 11/30/2022	REVISED -

F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53	SHEET NO. 32
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STPBRKQ(921)				



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

SOIL BORING LOG

Date 10/11/21

ROUTE IL 31 DESCRIPTION Retaining Wall at 250' South of IL 31 & Plum Street, IDOT Contract No. 62H02 LOGGED BY Abde Sellah

SECTION 2018-042-CR LOCATION 1939476.308, 994116.602

COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO. 045-0218
Station 49+95.98
BORING NO. RWB-01
Station 49+39.72 to 50+52.25
Offset 35.30ft R
Ground Surface Elev. 723.00 ft

DEPTH (ft)	DIAMETER (ft)	SOIL TYPE	MOISTURE (%)	UCS (tsf)	Failure Mode
0		TOPSOIL(12")			
6		Hard brown, CLAY LOAM FILL, trace grinding, concrete and crushed aggregate. Moist.		17.6	B
7		Hard, brown and reddish brown, CLAY LOAM FILL, trace grinding, concrete and crushed aggregate. Moist		12.2	P
10				22.1	B
14		Medium dense, reddish brown SAND. Moist		13.8	
17		Very stiff, brown and red CLAY LOAM, trace gravel and cobbles. Moist.		29.2	B
21		Very stiff, reddish brown CLAY LOAM, trace gravel and cobbles. Moist.		14.1	B
25				14.3	B
32		Dense yellow LIMESTONE and light gray crushed rock aggregate.			B
50.2		Very dense WEATHERED BEDROCK (yellow limestone and light gray crushed dolomite)			

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

Date 10/11/21

ROUTE IL 31 DESCRIPTION Retaining Wall at 250' South of IL 31 & Plum Street, IDOT Contract No. 62H02 LOGGED BY Abde Sellah

SECTION 2018-042-CR LOCATION 1939561.419, 994109.873

COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO. 045-0218
Station 49+95.98
BORING NO. RWB 02
Station 49+39.72 to 50+52.25
Offset 35.30ft R
Ground Surface Elev. 721.00 ft

DEPTH (ft)	DIAMETER (ft)	SOIL TYPE	MOISTURE (%)	UCS (tsf)	Failure Mode
0		TOPSOIL(12")			
3		Stiff, black and brown CLAY LOAM FILL. Moist.		15.0	P
7		Very stiff, brown and lightly black CLAY LOAM FILL, trace gravel, brick and root. Moist.		21.6	B
11				20.2	B
15		Hard, brown and lightly black CLAY LOAM FILL, trace gravel, brick and root, trace cobbles. Moist.		16.7	B
19				14.4	B
23		Medium dense, SAND.			
50.2		Very dense, weathered BEDROCK, consists of yellow limestone and trace of crushed light gray dolomite. Auger refusal at 16.0'. End of Boring @ 16.0'. Backfilled boring with soil cuttings and bentonite.			

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

BBS, from 137 (Rev. 8-99)

USER: jstapleton
MODEL: Default
FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-sht-11-boringlog.dgn



PEN TABLE = pdf\NLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-Pre\Final.plt	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:27 AM	DATE - 11/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
STRUCTURE NO. 045-8302

SHEET S-11 OF S-14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	33
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT SP4RKRQ(921)				

SOIL BORING LOG

Date 10/11/21

ROUTE IL 31 DESCRIPTION Retaining Wall at 250' South of IL 31 & Plum Street, IDOT Contract No. 62H02 LOGGED BY Abde Sellah

SECTION 2018-042-CR LOCATION 1939549.652, 994109.886

COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.	Station	DEPTH	BL	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.
BORING NO.	Station	Offset	Qu			Groundwater Elev.:	
		ft	(ft)	(/6")	(tsf)	(%)	
045-0218	49+95.98					ft	ft
RWB-03	49+39.72 to 50+52.25	35.30ft R				ft	ft
	Ground Surface Elev.	721.50				ft	ft
TOPSOIL(12")							
	720.50		7				
Hard, brown CLAY LOAM FILL, trace gravel, cobbles, rootlets and pieces of grinding. Moist.							
			5	4.5		14.1	
				P			
			3				
			5			17.4	
			-5	4	4.3		
	716.00			B			
Stiff, brown and reddish brown CLAY LOAM FILL, trace gravel, cobbles. Moist.							
			3			18.8	
			3	1.5			
				B			
	713.50						
Medium stiff to very stiff, brown and gray CLAY FILL, trace gravel and cobbles. Moist.							
						17.5	
			-10				
	711.00						
Stiff, brown CLAY LOAM FILL, trace gravel and cobbles. Moist.							
			2			17.7	
			3				
			2	1.8			
				P			
	708.50						
Stiff, brown CLAY LOAM FILL, trace gravel and cobbles. Light gray crushed rock aggregate at the bottom. Moist.							
			3			19.6	
			3				
			-15	5	1.7		
				B			
	705.50						
Very dense weathered BEDROCK, consists of yellow limestone and light gray dolomite rock.							
Auger refusal at 16.0'. End of boring at 16.0'. Backfilled with soil cuttings and bentonite.							
				50/4"			
			-20				

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

BBS, from 137 (Rev. 8-99)



PEN TABLE = pdnLAYERSow.plt/cfg	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02\Pre\Final.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:33 AM	DATE - 11/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
STRUCTURE NO. 045-8302

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	34
CONTRACT NO. 62H02				

SHEET S-12 OF S-14 SHEETS

ILLINOIS FED. AID PROJECT STP4BKRQ(921)

USER: jstapleton
 MODEL: Default
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\162H02-shr-12-boringlog.dgn



SOIL BORING LOG

Date 8/1/19

ROUTE _____ DESCRIPTION IL Route 31 Culvert Replacement LOGGED BY NH

SECTION _____ LOCATION SEC. TWP. RNG. _____

Latitude 41.991626, Longitude -88.297175

COUNTY Kane DRILLING METHOD Power auger HAMMER TYPE Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	M-OIST	Surface Water Elev.
Station	(ft)	(/6")	(tsf)	(%)	ft
BORING NO. SB-1					Stream Bed Elev. _____ ft
Station					Groundwater Elev.: First Encounter 709.0 ft
Offset					Upon Completion _____ ft
Ground Surface Elev. 723.00					After _____ Hrs. _____ ft
6 1/2" Asphalt	722.50				
8" Portland Cement Concrete	721.80	6			
FILL - CRUSHED STONE, about 22 inches	720.00	4		4	
		3			
FILL - SILTY CLAY LOAM: trace gravel, brown (USCS - Lean clay with sand)		2			
		3	1.8	15	
		3	P		
		2			
		3	1.0	19	
		3	P		
	715.00				
SILTY CLAY: trace sand and roots/organics, dark brown and dark gray, stiff (USCS - Lean to silty clay, CL-ML)		2			
		2	1.3	24	
		3	P		
		3			
	711.50				
SANDY CLAY: with gravel and limestone fragments, brown and reddish brown, stiff (USCS - Sandy lean clay, CL)		6	1.8	32	
		6	P	17	
		3			
	708.50				
FINE TO MEDIUM CLAYEY GRAVEL: with sand (residual weathered bedrock), light brown, moist (USCS - Clayey gravel, GC)		11	2.0	12	
		21	P	7	
		50		14	
End of Boring					

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



SOIL BORING LOG

Date 8/1/19

ROUTE _____ DESCRIPTION IL Route 31 Culvert Replacement LOGGED BY NH

SECTION _____ LOCATION SEC. TWP. RNG. _____

Latitude 41.991628, Longitude -88.297123

COUNTY Kane DRILLING METHOD Hollow stem auger HAMMER TYPE Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	M-OIST	Surface Water Elev.
Station	(ft)	(/6")	(tsf)	(%)	ft
BORING NO. SB-2					Stream Bed Elev. _____ ft
Station					Groundwater Elev.: First Encounter 709.0 ft
Offset					Upon Completion _____ ft
Ground Surface Elev. 723.00					After _____ Hrs. _____ ft
12 1/2" Asphalt	722.00				
	721.70				
FILL - CRUSHED STONE, about 3 inches		4			
		5	1.3	13	
		5	P		
FILL - SANDY CLAY: with gravel, brown (USCS - Sandy lean clay)		6			
		3	1.0	25	
		3	P		
		2			
	716.50				
SILTY CLAY: trace sand and roots/organics, dark brown and brown, stiff (USCS - Lean to silty clay, CL-ML)		3	2.0	9	
		2	P	29	
		4			
	713.50				
SILTY CLAY LOAM: trace gravel and organics, gray and grayish brown, stiff (USCS - Lean clay with sand, CL)		5	2.0	19	
		6	P	25	
		5			
	711.50				
SANDY CLAY: with gravel and limestone fragments (residual weathered bedrock), reddish brown and dark brown, stiff (USCS - Sandy lean clay, CL)		3	1.5	14	
		5	P	17	
		4			
	708.50				
		7		16	
		15			
	707.00				
LIMESTONE, weathered and broken, light gray					
	705.60				
		50		9	
End of Boring					

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

USER: jstapleton
 MODEL: Default
 FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-Van\Design\WO 2_62H02\CADD\CADD_Sheets\0162H02-sh1-13-boringlog.dgn



PEN TABLE = pdf\NLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:35 AM	DATE - 11/30/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
 STRUCTURE NO. 045-8302

SHEET 8-13 OF 8-14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	35
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP8K90(21)				



SOIL BORING LOG

Page 1 of 1

Date 8/1/19

ROUTE _____ DESCRIPTION IL Route 31 Culvert Replacement LOGGED BY NH

SECTION _____ LOCATION SEC. TWP. RNG. _____

Latitude 41.991578, Longitude -88.297168

COUNTY Kane DRILLING METHOD Power auger HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft
Station	E	L	C	O	Stream Bed Elev.	ft
BORING NO.	P	O	S	I	Groundwater Elev.:	
Station	T	W	Qu	S	First Encounter	ft
Offset	H	S		T	Upon Completion	ft
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	After	Hrs. ft
5" Asphalt	722.60					
7" Portland Cement Concrete	722.00					
FILL - SILTY CLAY LOAM: with gravel, brown and dark brown (USCS - Lean clay with sand)	4		1.0	21		
	2		P			
	2					
	3	2.5		23		
	-5	3	P			
	2					
	3	2.5		25		
	3	P				
715.00						
SILTY CLAY: trace sand and gravel, brown and reddish brown, stiff (USCS - Lean clay, CL)	2		1.0	16		
	2		P			
	-10	2				
711.50	2					
SILTY CLAY LOAM: trace roots/organics, dark brown, stiff (USCS - Lean clay with sand, CL)	7	1.3		12		
	3	P		13		
709.50						
FINE TO MEDIUM CLAYEY GRAVEL: with sand and limestone fragments (residual weathered bedrock), brownish gray, moist, medium dense (USCS - Clayey gravel, GC)	11					
	10			13		
	-15	7				
706.00						
LIMESTONE: weathered and broken, light gray	50			12		
End of Boring						
	-20					

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



SOIL BORING LOG

Page 1 of 1

Date 8/1/19

ROUTE _____ DESCRIPTION IL Route 31 Culvert Replacement LOGGED BY NH

SECTION _____ LOCATION SEC. TWP. RNG. _____

Latitude 41.991566, Longitude -88.297120

COUNTY Kane DRILLING METHOD Hollow stem auger HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft
Station	E	L	C	O	Stream Bed Elev.	ft
BORING NO.	P	O	S	I	Groundwater Elev.:	
Station	T	W	Qu	S	First Encounter	ft
Offset	H	S		T	Upon Completion	ft
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	After	Hrs. ft
3 1/2" Asphalt	722.60					
FILL - CRUSHED STONE, about 9 inches	722.00					
	7					
FILL - SANDY CLAY: with gravel, dark brown, brown, and gray (USCS - Sandy lean clay)	4		8			
	5		11			
	2					
	3	3.3		23		
	-5	5	P			
	3					
	3			16		
	3					
	4					
	3	1.8		14		
	-10	11	P			
711.50	2					
SILTY CLAY: trace sand and roots/organics, dark brown, stiff (USCS - Lean to silty clay, CL-ML)	3	1.5		13		
	6	P		26		
710.00						
SILTY CLAY LOAM: trace gravel, gray and reddish brown, medium stiff (USCS - Lean clay with sand, CL)	5					
	6	0.5		19		
	-15	4	P			
705.00						
SANDY CLAY: with gravel and limestone fragments (residual weathered bedrock), gray and brown	50			13		
704.00						
	-20					

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

USER: jstapleton
MODEL: Default
FILE NAME: P:\02_209_004_IDOT_PTB_190_14_Phase II Var-VariDesign\WO 2_62H02\CADD\CADD_Sheets\162H02-sh1-14-boringlog.dgn



PEN TABLE = pdf\NLAYERSow.plt	DESIGNED - JES	REVISED -
PLOT DRIVER = D:\62H02-PreFinal.tbl	CHECKED - RRD	REVISED -
PLOT SCALE = 0.1667'/in	DRAWN - SVJ	REVISED -
PLOT DATE = 11/30/2022 11:44:40 AM	DATE - 11/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

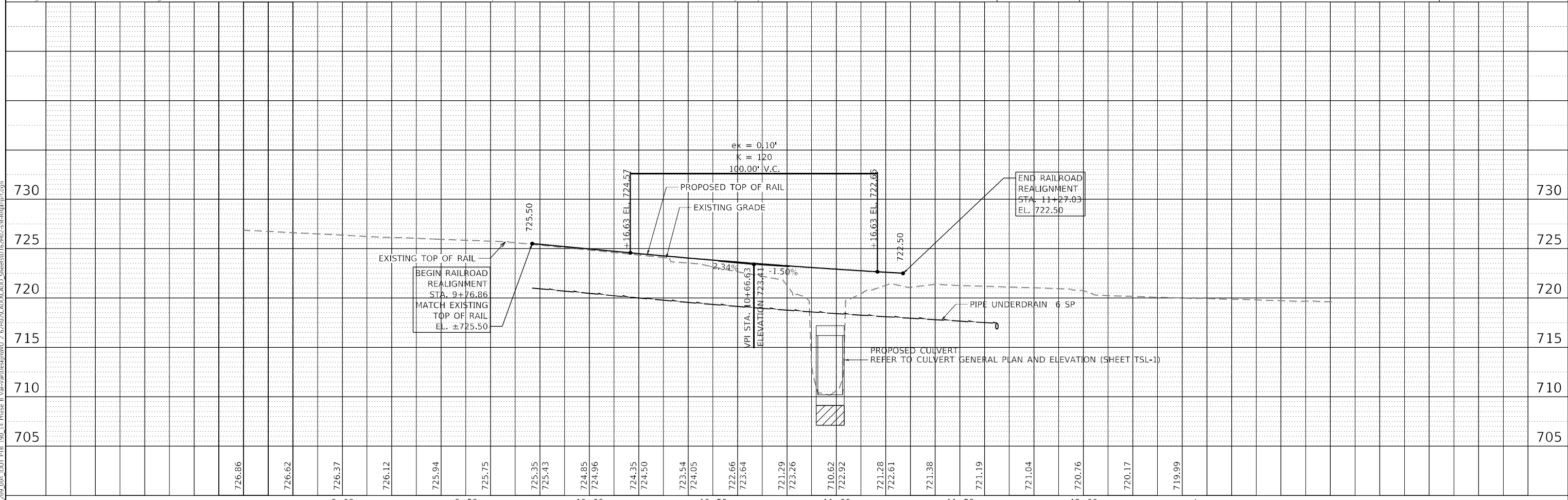
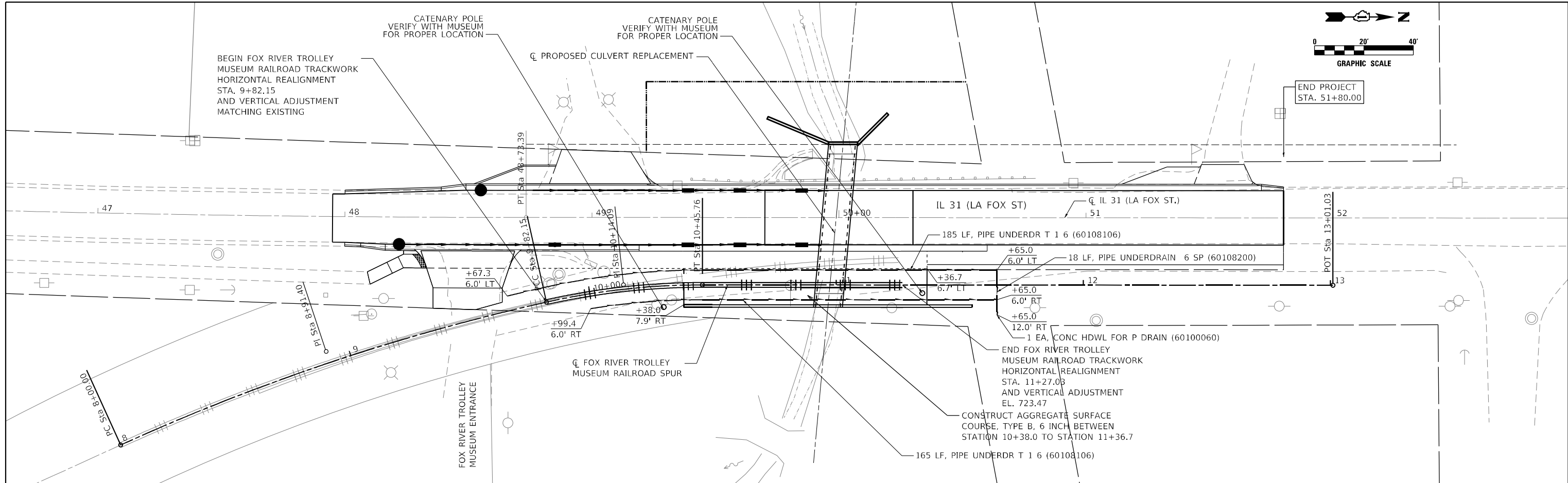
SOIL BORING LOG
STRUCTURE NO. 045-8302

SHEET S-14 OF S-14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	36
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT SP4RKRQ(921)				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	



PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JWD	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:55:50 PM	DATE - 09/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAILROAD TRACKWORK PLAN AND PROFILE
FOX RIVER TROLLEY MUSEUM AT IL 31 (LA FOX ST.)**

SCALE: 40,0000 * / in. SHEET 1 OF 1 SHEETS STA. TO STA.

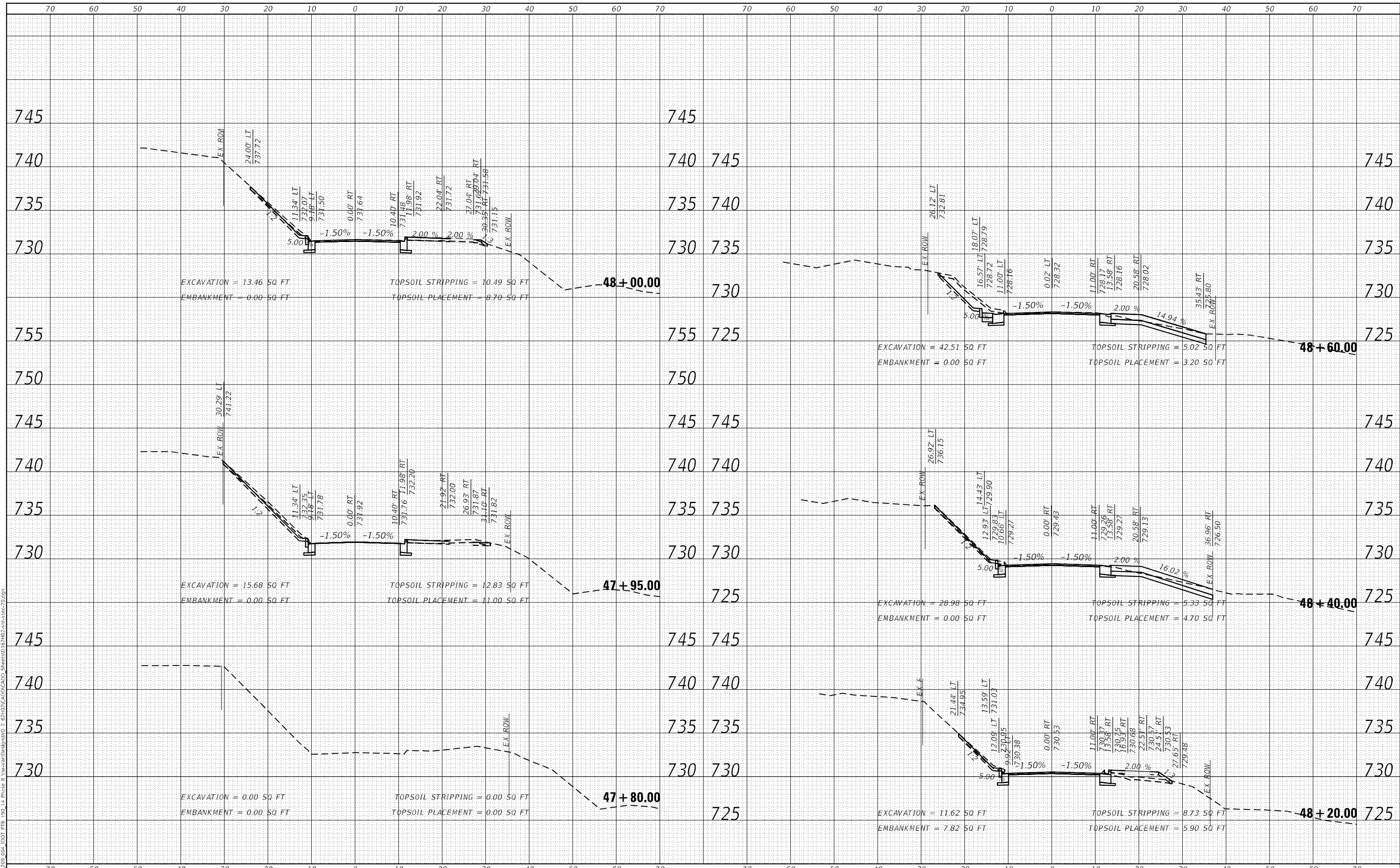
F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53	SHEET NO. 37
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

USER: jlove
MODEL: Default
FILE NAME: P:\02_209_00w_0001_rtb_190_1d Phase 11 Var-Var\Design\WG 2 62H02\CADD\CADD\Sheets\02PH02-Stationing.dgn

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

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

USER: f0vc
 MODEL: XS_SHEET_Template.mxd
 FILE NAME: P:\09_2022\DOT_P18_190_La_Phrse\1\var\var\Design\WG 2 62\H02\CADD\CADD_Sheets\018\H02\cst-sec-20.dgn



PLOT DRIVER = pdf\NOLAYERSbw.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JWD	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:55:51 PM	DATE - 09/22/2022	REVISED -

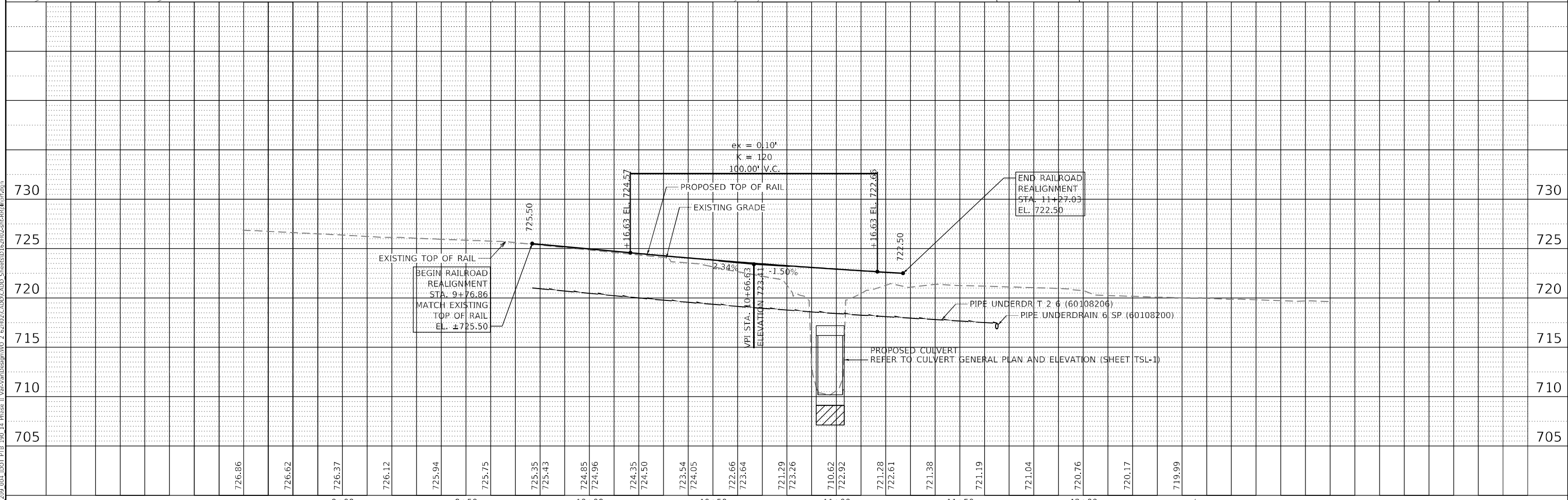
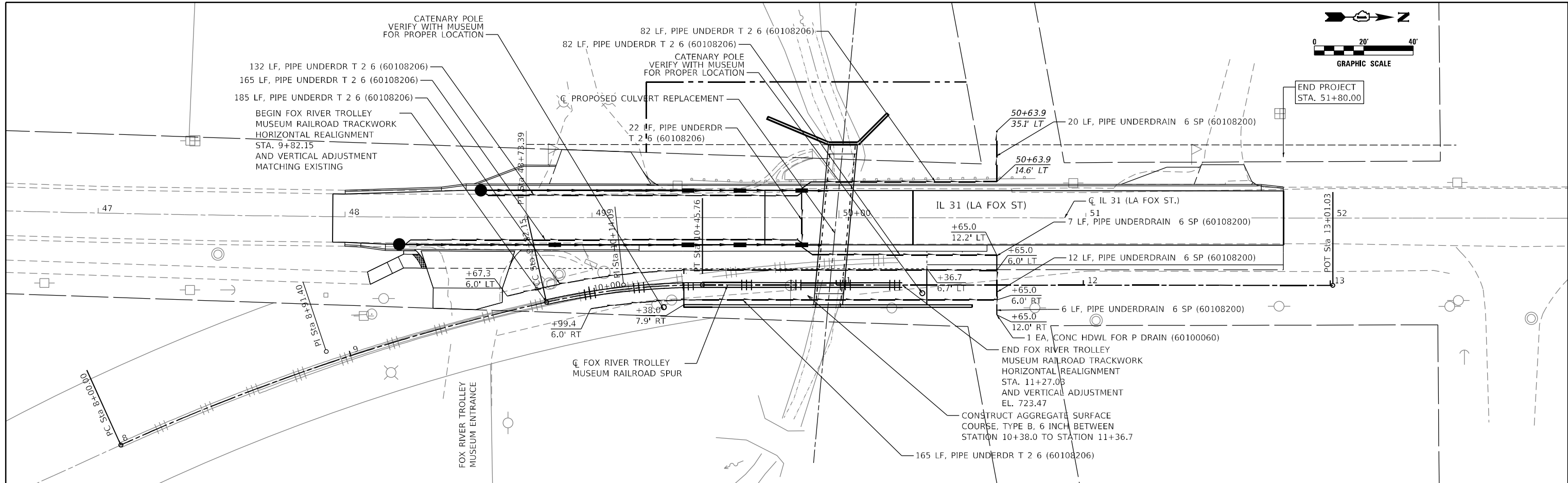
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
IL 31 (LA FOX STREET)	
SCALE: 20,0000 ' / in.	SHEET OF SHEETS
STA. 47+80.00	TO STA. 48+60.00

F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53	SHEET NO. 38
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

DATE	
BY	
PLAN	REVISIONS
NO.	
NOTE BOOK	
NO.	
ALIGNMENT CHECKED	
GRADE CHECKED	
STRUCTURE NOTATIONS CHECKED	
FILE NAME	

DATE	
BY	
PROFILE	REVISIONS
NO.	
NOTE BOOK	
NO.	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
FILE NAME	



USER: jlove
 MODEL: Default
 FILE NAME: P:\02_209_004_001_PTB_390_14 Phase II_Venue\Design\TWO 2 521102\CADD\CADD Sheets\02102022\Rail\Rail\TSL.dgn



PLOT DRIVER = pdfNOLAYERShow.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JWD	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 11/29/2022 3:14:13 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

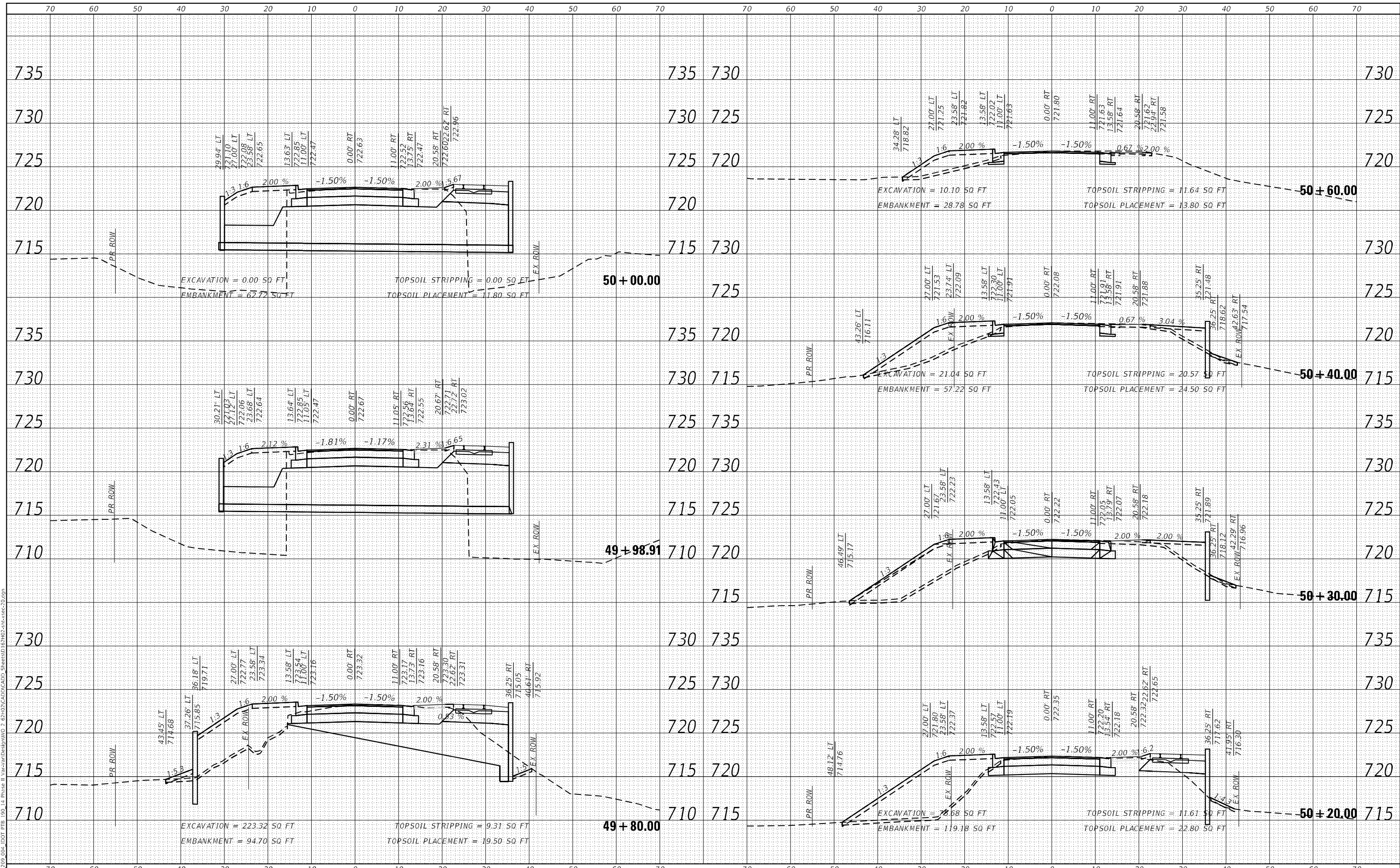
RAILROAD TRACKWORK PLAN AND PROFILE
 FOX RIVER TROLLEY MUSEUM AT IL 31 (LA FOX ST.)
 SCALE: 40.0000 ' / in. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	39
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT 51P-BKRQ(921)				

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

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

USER: 60vc
 MODEL: XS_SHEET_Template_model_name_3
 FILE NAME: P:\09_209_60w_00w_001_P15_150_L1 Phase II\va-ar\Design\WG 2 62H02\CAD\CADD_Sheets\02\2H02-sht-sec-20.dgn



PLOT DRIVER = pdfNOLayersbw.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JWD	REVISED -
PLOT SCALE = 20,000.00 * 1/8" = 1' = 20.0000'	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:55:52 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

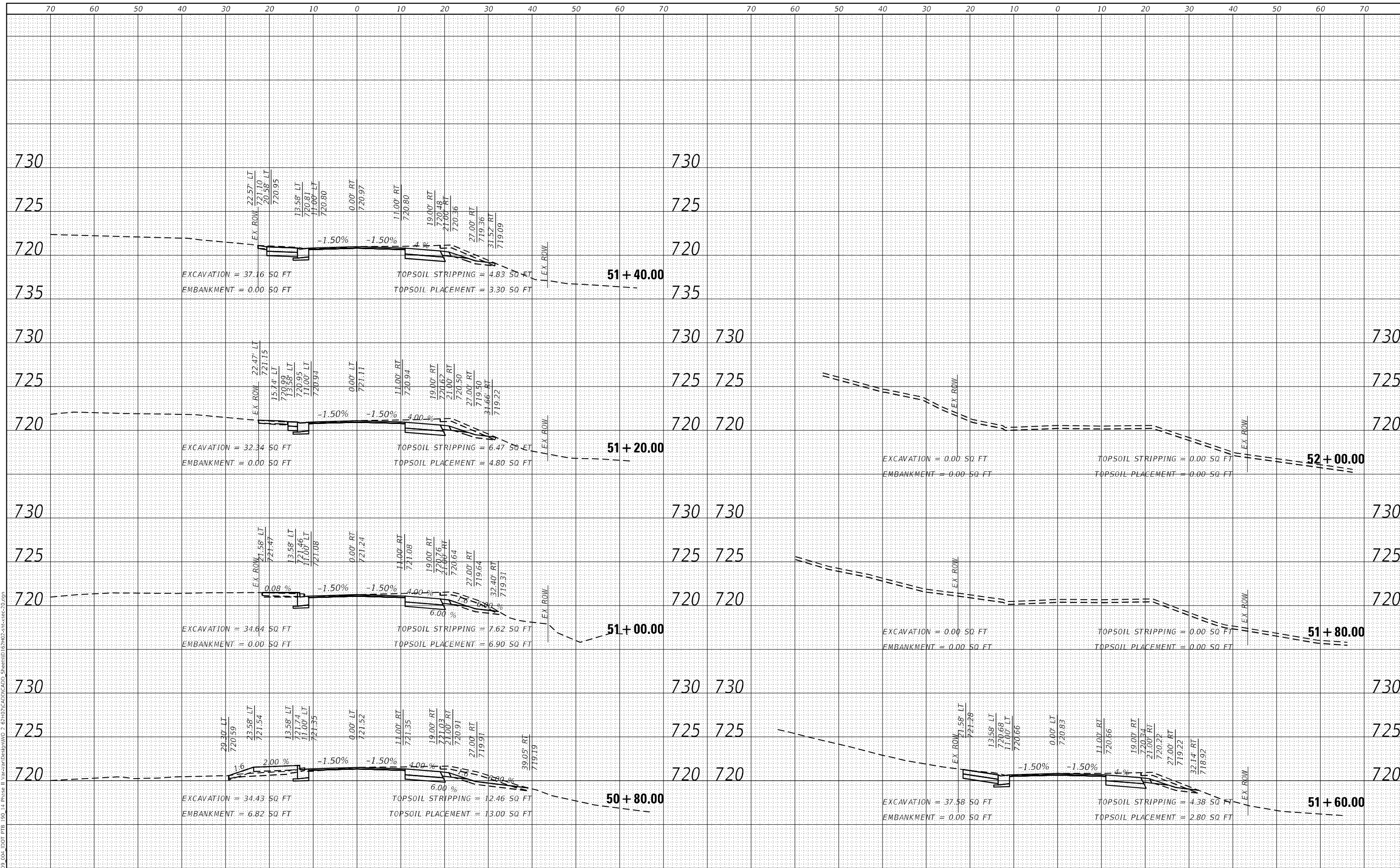
CROSS SECTIONS	
IL 31 (LA FOX STREET)	
SCALE: 20,000.00' / 1" SHEET	OF SHEETS
STA. 49+80.00	TO STA. 50+60.00

F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53	SHEET NO. 40
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

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

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

USER: 30vc
 MODEL: XS_SHEET_Template_model_name_4
 FILE NAME: P:\09_00_00_001_P15_150_L1 Phase II\var\ar\Design\WG 2 62\RD\CADD\CADD_Sheets\0162H02-Sub-sec-20.dgn



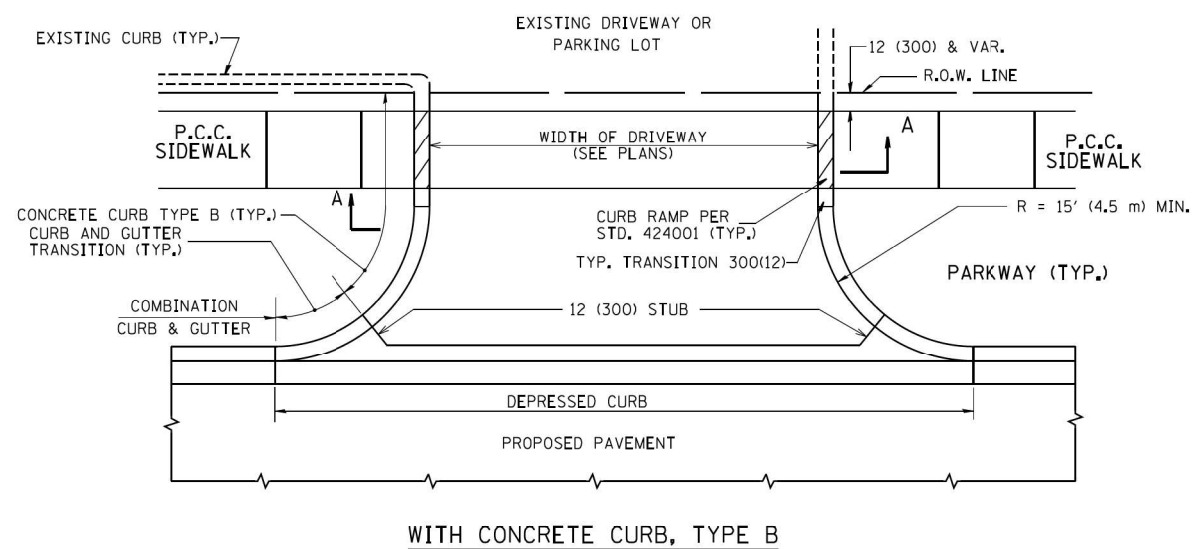
PLOT DRIVER = pdf\NOLAYERSbw.plt	DESIGNED - JWD	REVISED -
PEN TABLE = D162H02-PreFinal.tbl	DRAWN - JWD	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 10/18/2022 2:55:53 PM	DATE - 09/22/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

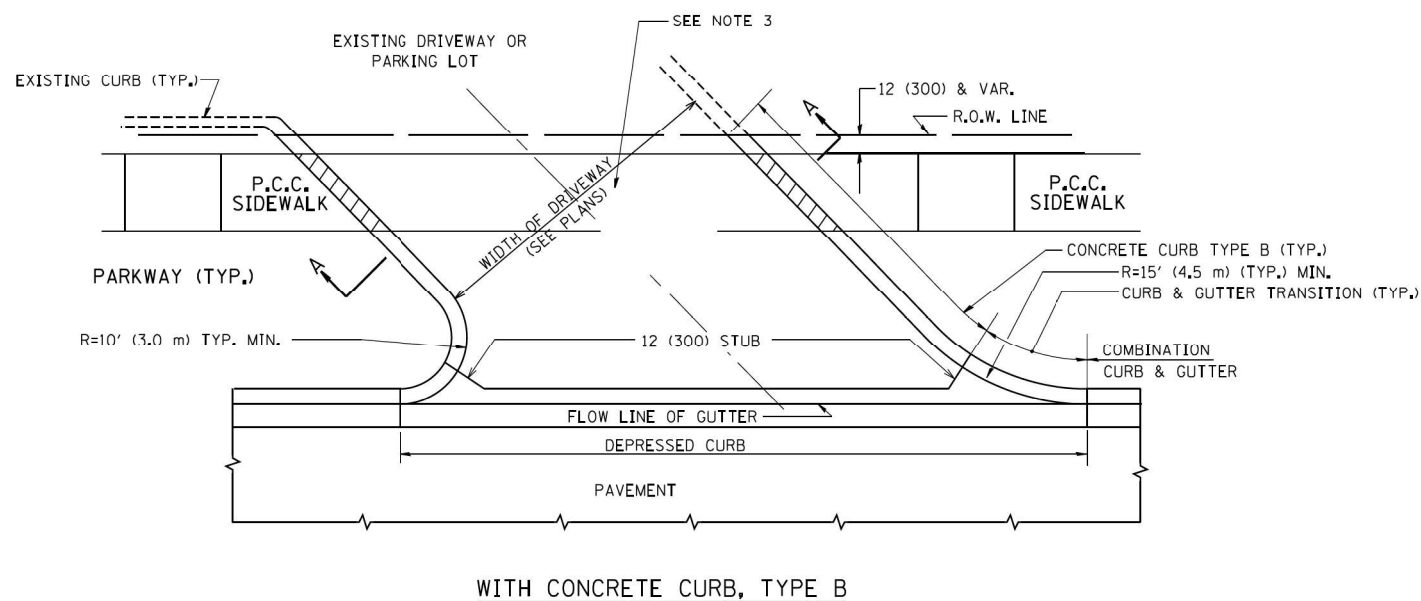
CROSS SECTIONS
 IL 31 (LA FOX STREET)

SCALE: 20,0000' / in. SHEET OF SHEETS STA. 50+80.00 TO STA. 52+00.00

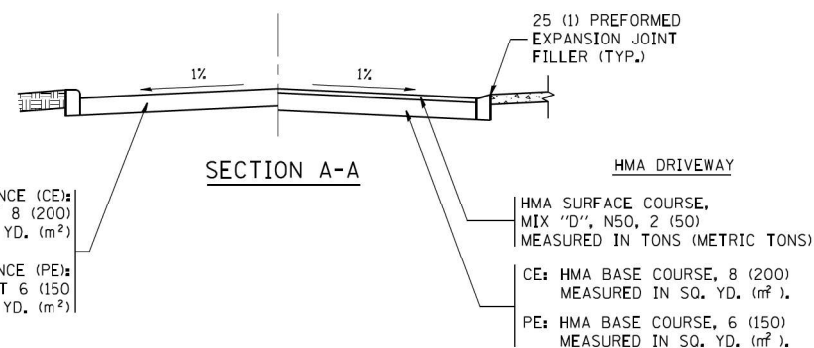
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	41
CONTRACT NO. 62H02				
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				



WITH CONCRETE CURB, TYPE B

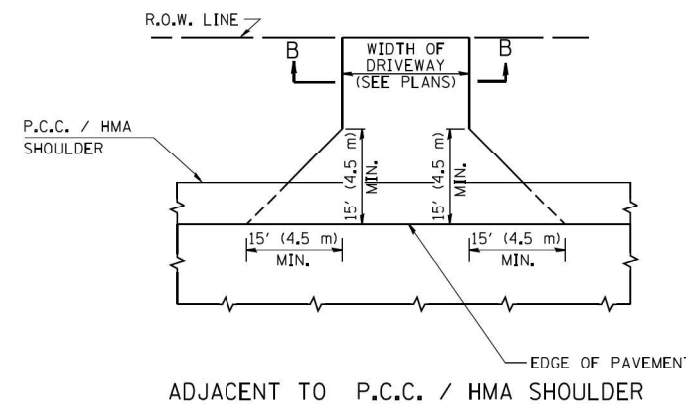


WITH CONCRETE CURB, TYPE B

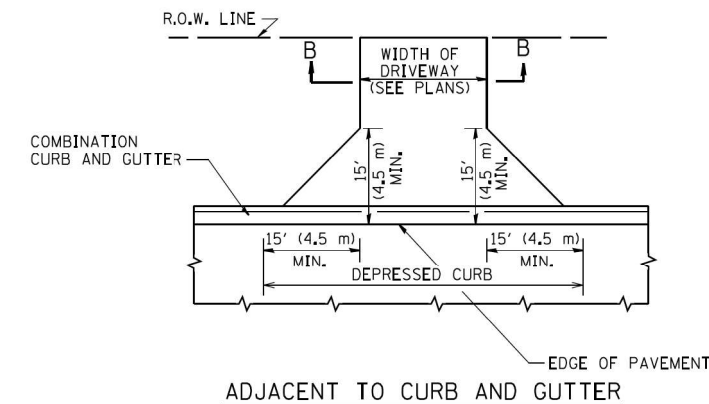


RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

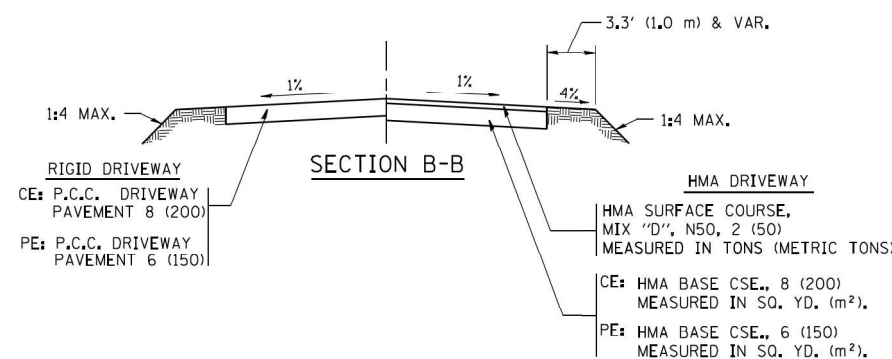
HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RIGID DRIVEWAY
 CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)
 PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE CSE., 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE CSE., 6 (150)
 MEASURED IN SQ. YD. (m²).

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

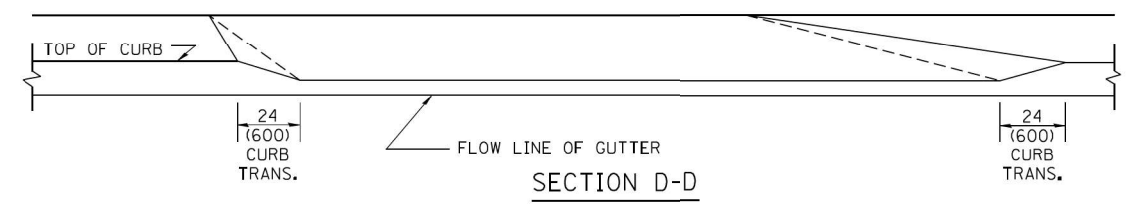
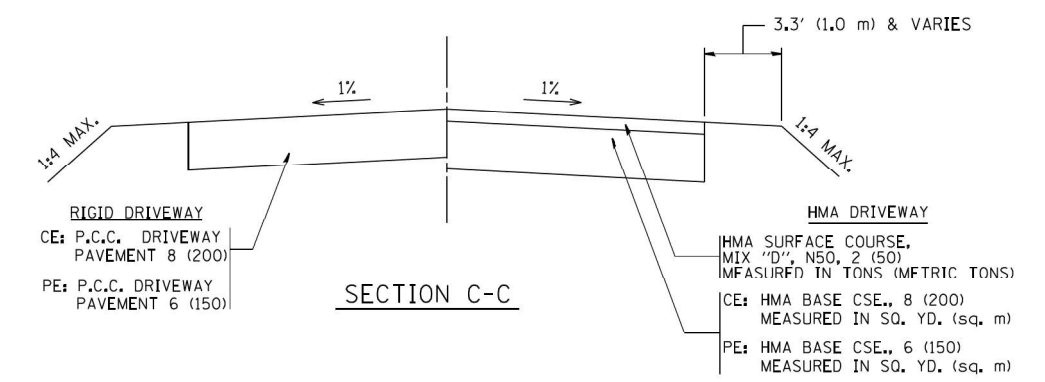
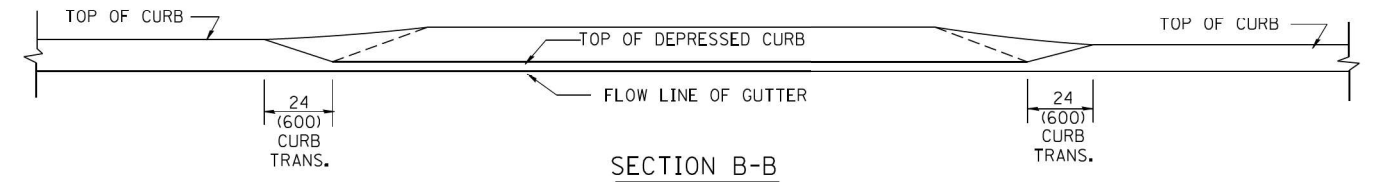
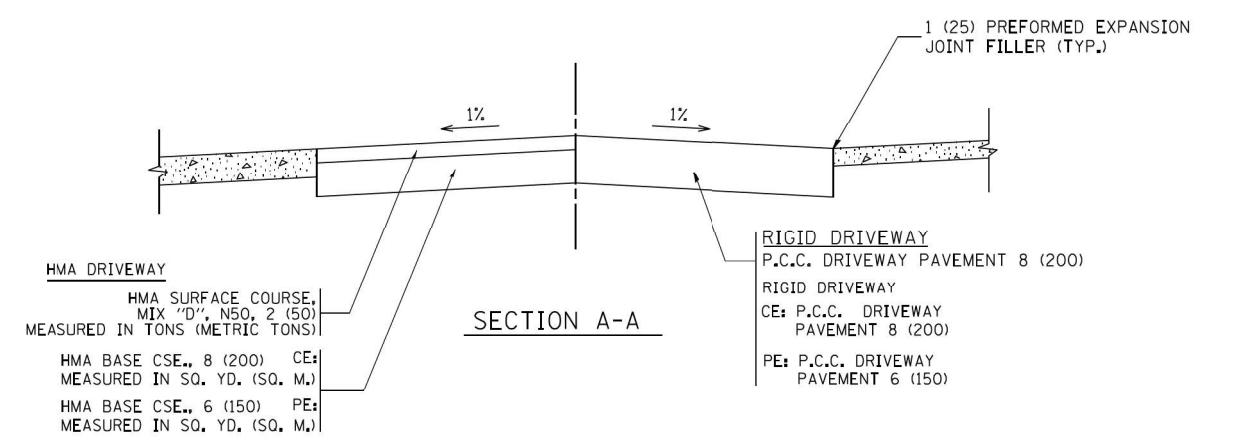
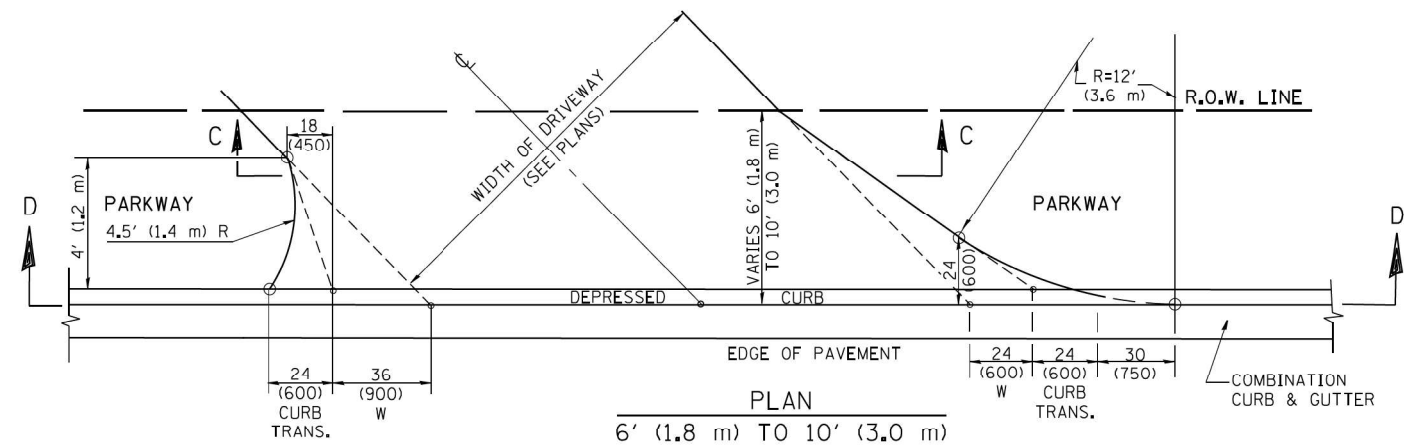
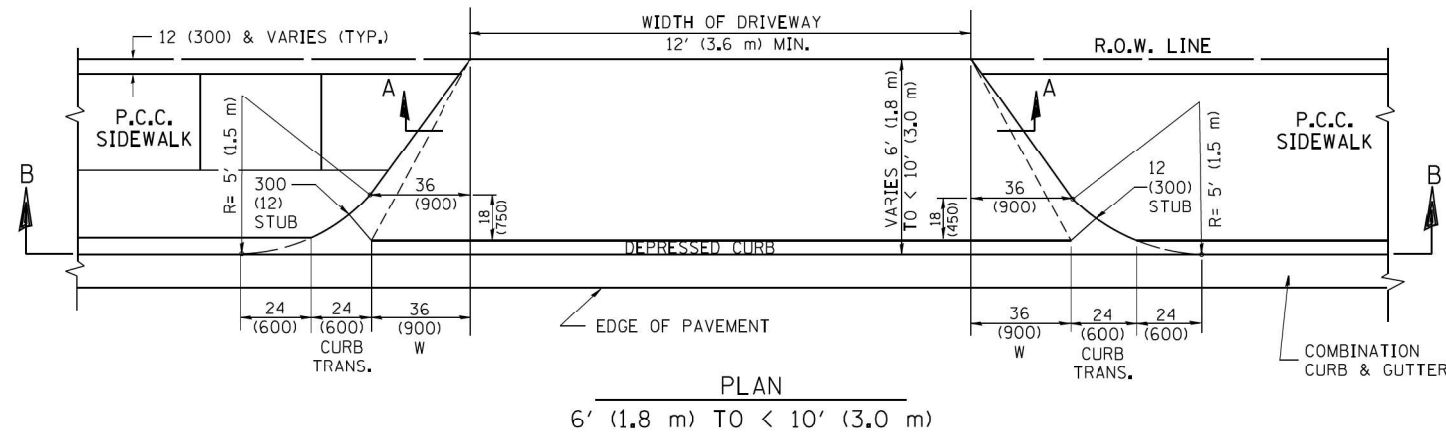
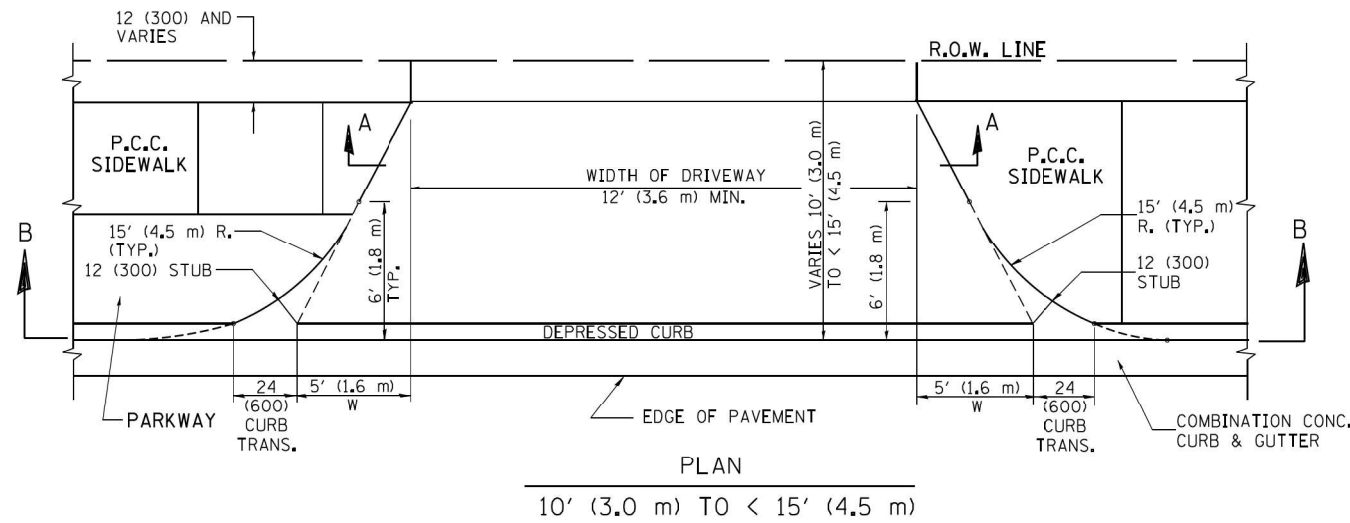
USER: idove
 FILE: I:\PROJECTS\62162H02\62162H02-PreFinal.dwg
 FILE: I:\PROJECTS\62162H02\62162H02-PreFinal.dwg
 FILE: I:\PROJECTS\62162H02\62162H02-PreFinal.dwg

FILE NAME =	PLOT DRIVER = pdfNOLAYERSbw,rlr1cg	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
	PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.0000' / 1 in.	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 9/6/2011 2:55:54 PM	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	42
BD0156-07 (BD-01)			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRO(921)				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

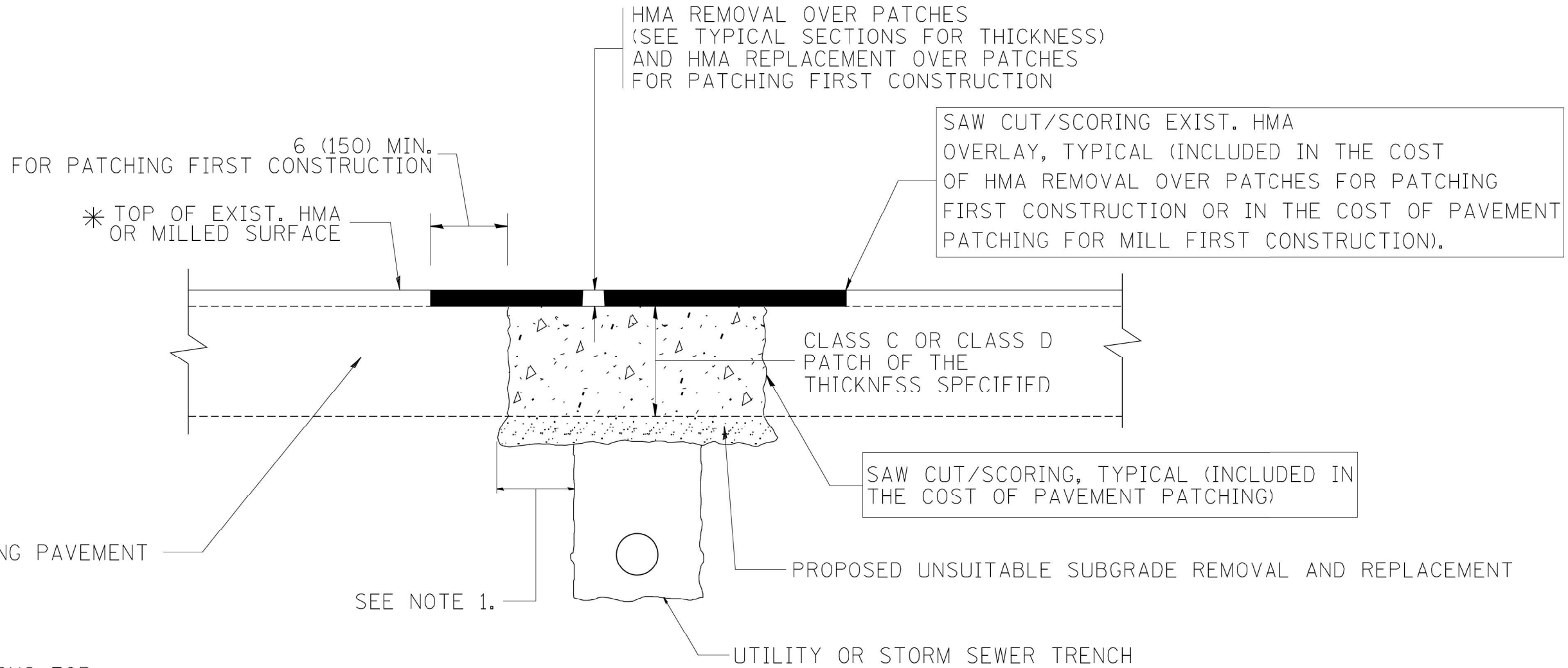
USER: idow
FILE: I:\PLOT\1162H02-PreFinal.dwg
FILE: I:\PLOT\1162H02-PreFinal.dwg

FILE NAME =	PLOT DRIVER = pdfNOLAYERSbwj.ctb	DESIGNED -	R. SHAH	REVISED -	M. GOMEZ 04-06-01
	PEN TABLE = D162H02-PreFinal.tbl	DRAWN -		REVISED -	P. LOFLEUR 04-15-03
	PLOT SCALE = 50.0000' / 1"	CHECKED -		REVISED -	R. BORO 01-01-07
	PLOT DATE = 10/28/2011 2:56:06 PM	DATE -	11-06-95	REVISED -	R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	43
BD400-02 (BD-02)			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

USER: idowc
 FILE: I:\PROJECTS\2009\004 IDOT P18_190_14 Phase II\vac\ar\Drawings\WG_2\B102\CAD\CADD_Sheets\B102H02.dwg
 FILE: I:\PROJECTS\2009\004 IDOT P18_190_14 Phase II\vac\ar\Drawings\WG_2\B102\CAD\CADD_Sheets\B102H02.dwg

FILE NAME =	PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
ca:\projects\diststd22x34\bd22.dgn	PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008 2:56:17 PM	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	44
BD400-04 (BD-22)			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRO(921)				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

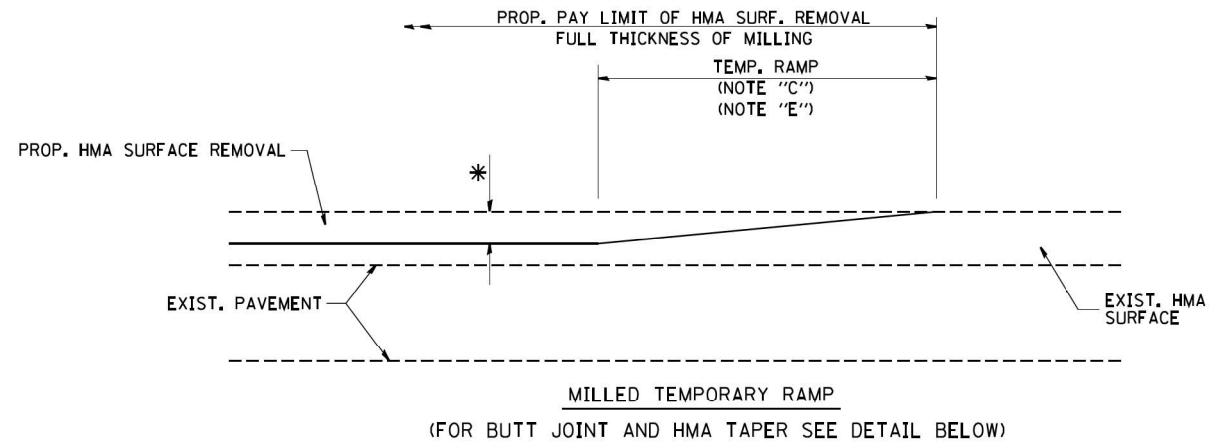
USER: idove FILE: I:\Users\idove\Documents\2018-04-20\2018-04-20\DOT_PTB_190_14_Pbase II\varchar\Drawings\WG_2_62102\CAD\CADD_Sheet\10102315\bd06-06.dwg

FILE NAME =	PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
TABLE = D:\162H02-PreFinal.tbl	DRAWN -	REVISED - A. ABBAS 03-21-97	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	
PLOT DATE = 12/15/2009 2:56:29 PM	DATE - 03-11-94	REVISED - R. BORO 12-15-09	

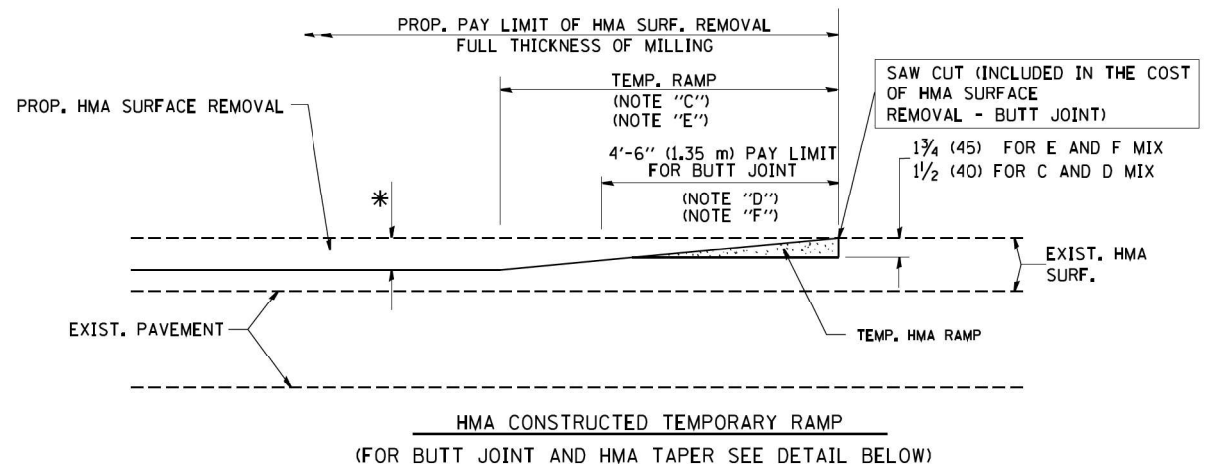
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

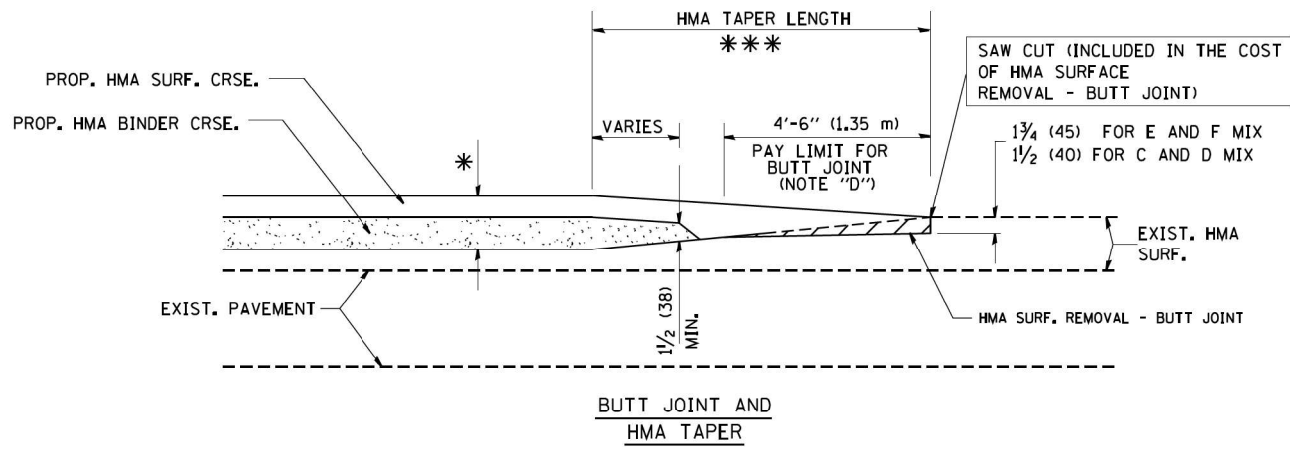
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	45
BD600-06 (BD-24)			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRO(921)				



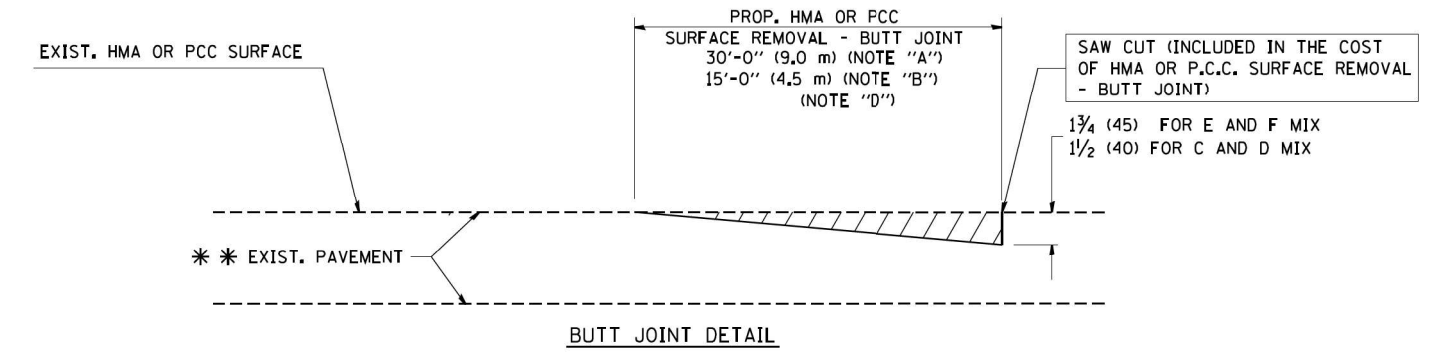
OPTION 1



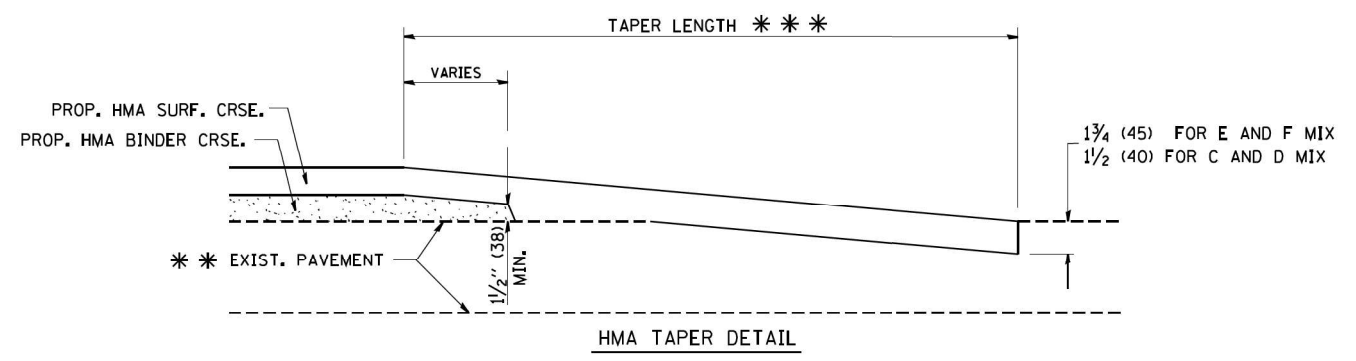
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

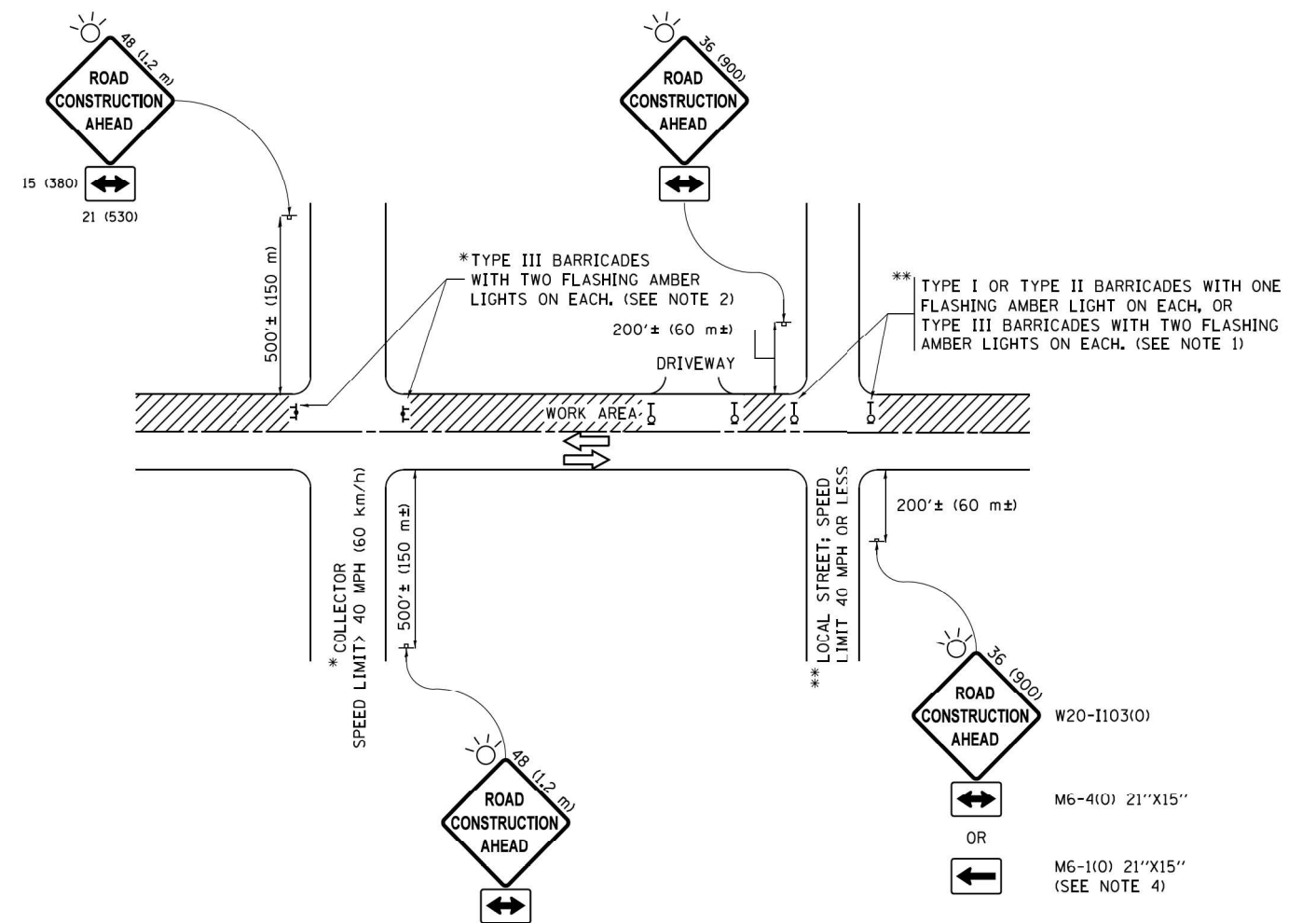
USER: idowc FILE: I:\STATE\2009\004\DOT\PTB_190_14_Pbase II\var-char\Drawings\WG_2_62102\CAD\CADD_Sheet\101E2H02-ent-ds-d1-BD32.dgn

FILE NAME =	W:\d\stata\22x34\bd32.dgn	PLOT DRIVER =	pdfNOLAYERSbw,ltcrg	DESIGNED -	M. DE YONG	REVISED -	R. SHAH 10-25-94
PEN TABLE =	D162H02-PreFinal.tbl	DRAWN -		REVISOR -	A. ABBAS 03-21-97	REVISOR -	M. GOMEZ 04-06-01
PLOT SCALE =	50.0000' / IN.	CHECKED -		DATE -	06-13-90	REVISOR -	R. BORO 01-01-07
PLOT DATE =	1/4/2008 2:56:40 PM						

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	46
BD400-05 BD32			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
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.

USER: idove
 FILE NAME: \\IL084E8ID\INTEG\illinois.gov\FWIDOT\Doc\PROJECTS\2018-042-CR\2018-042-CR\TC-10.dgn
 FILE MODIFIED: 2018-09-15 14:14:14
 PLOT DATE: 9/15/2016 2:56:52 PM

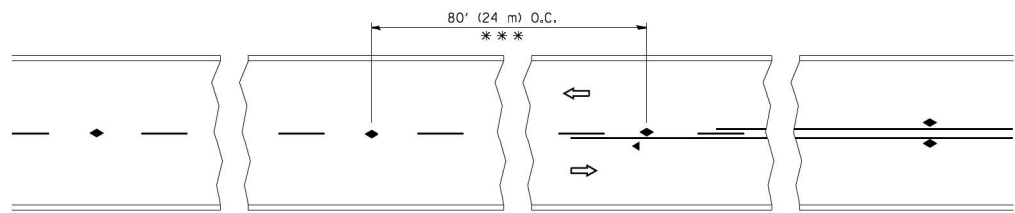
FILE NAME =	PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED - L.H.A.	REVISED - A. HOUSE 10-15-96
FILE MODIFIED = 2018-09-15 14:14:14	PLOT DATE = 9/15/2016 2:56:52 PM	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default		DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

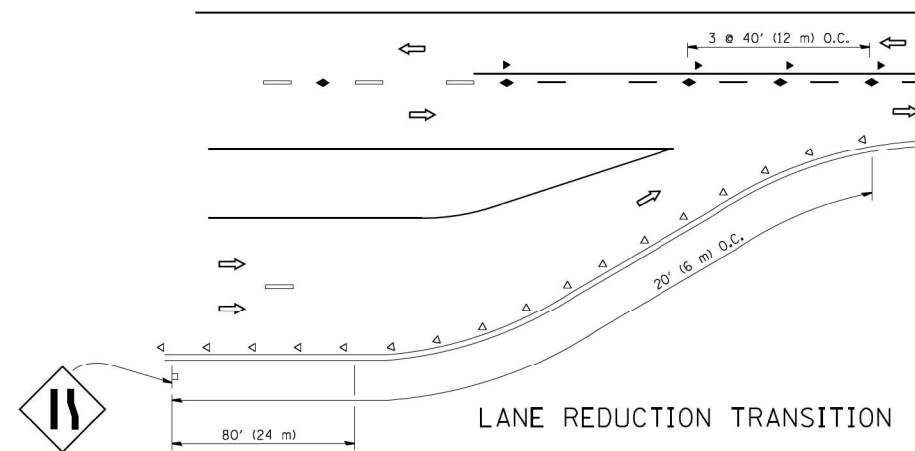
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	47
TC-10			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				

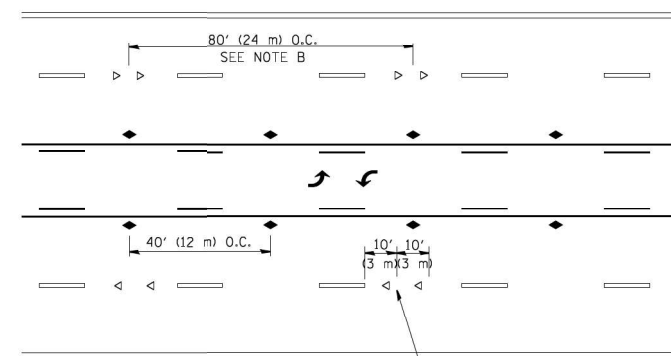


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

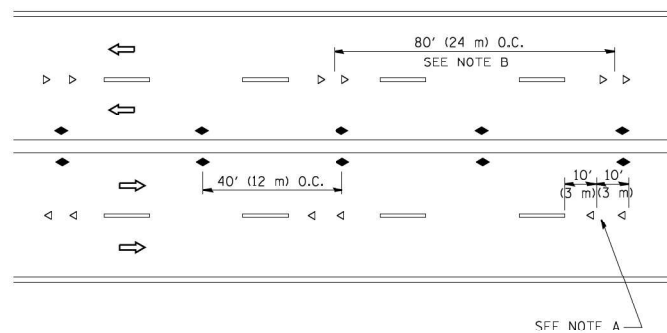
TWO-LANE/TWO-WAY



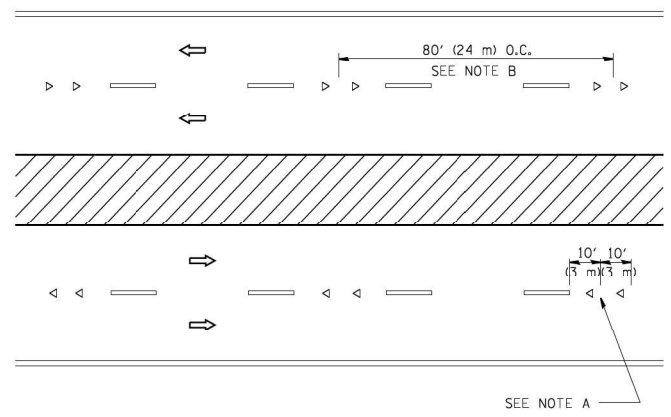
LANE REDUCTION TRANSITION



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.

SYMBOLS

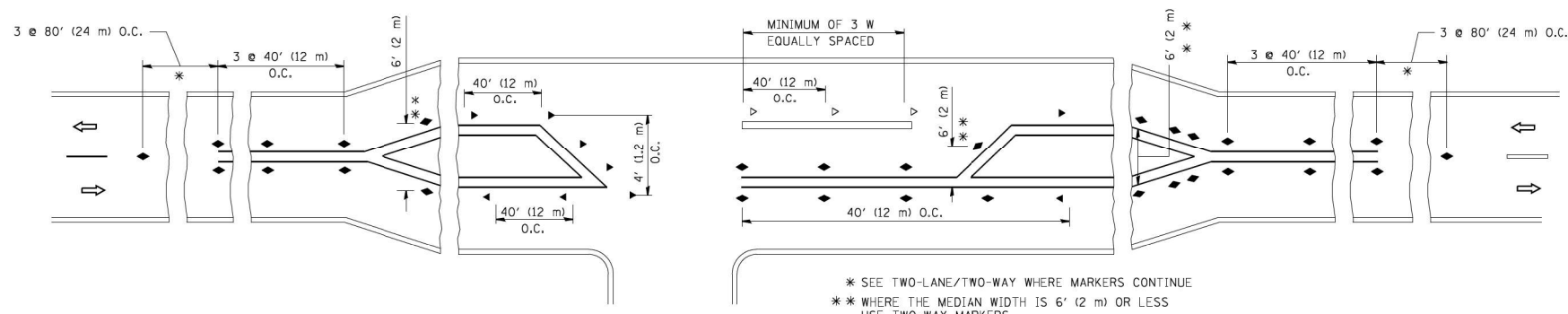
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

LEFT TURN

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

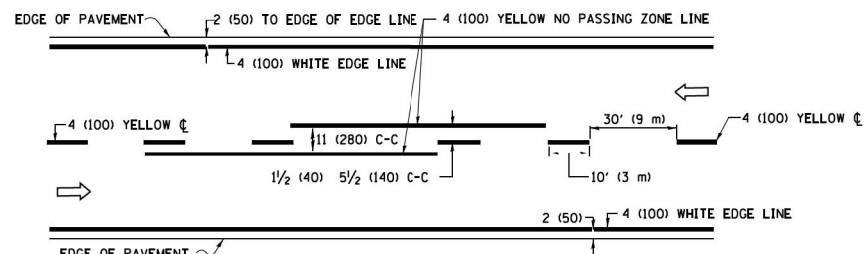
USER: idowc
 FILE: I:\PROJECTS\2010\2010-004\DOT\PTB_190_14_Pbase II\Work\Drawings\WG_2_62102\CAD\CADD_Sheet\1D162H02-ent-de-d1-1C11.dgn
 FILE: I:\PROJECTS\2010\2010-004\DOT\PTB_190_14_Pbase II\Work\Drawings\WG_2_62102\CAD\CADD_Sheet\1D162H02-ent-de-d1-1C11.dgn

FILE NAME =	PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
	PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/2/2011 2:57:03 PM	DATE -	REVISED - C. JUCIUS 09-09-09

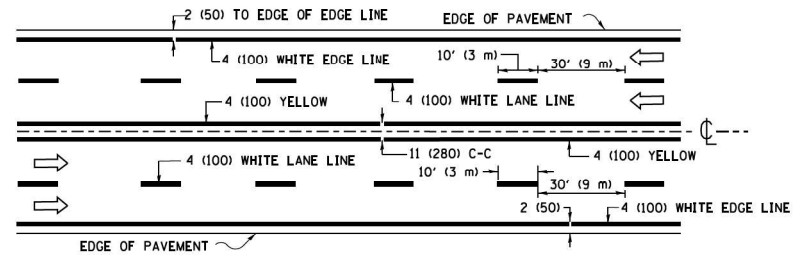
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

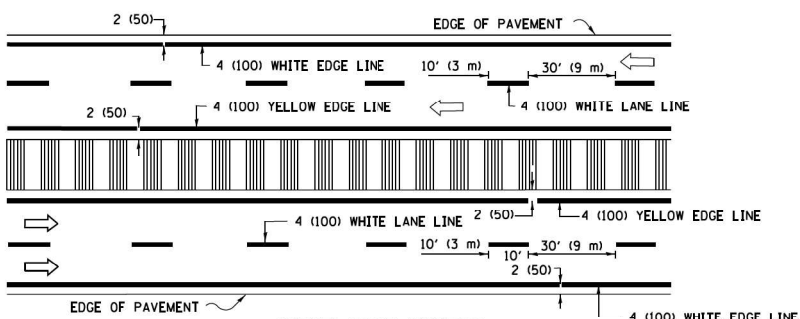
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	48
TC-11			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRQ(921)				



2-LANE ROADWAY

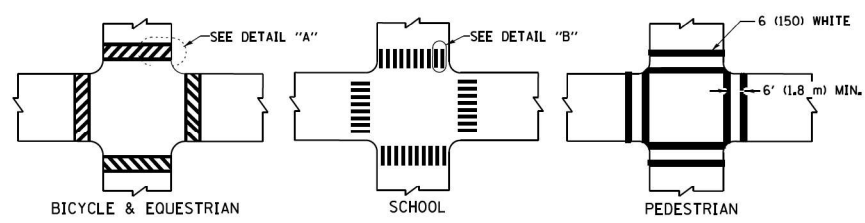


MULTI-LANE UNDIVIDED



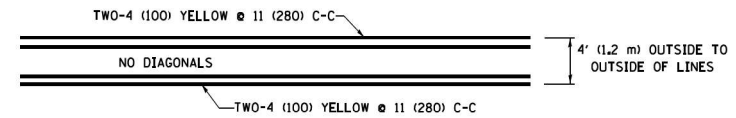
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

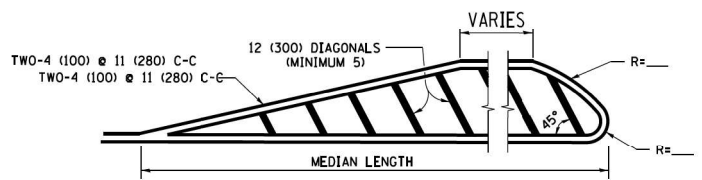


TYPICAL CROSSWALK MARKING

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

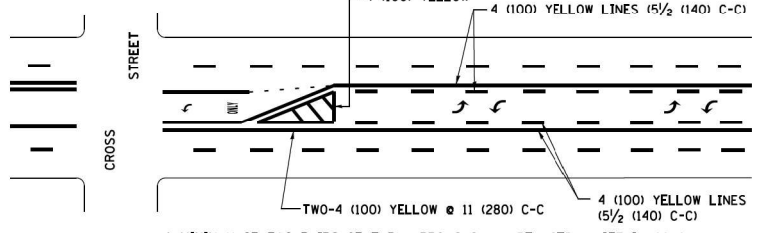


4' (1.2 m) WIDE MEDIANS ONLY



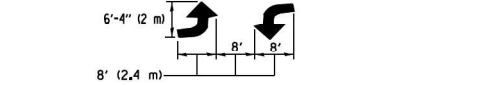
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



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

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

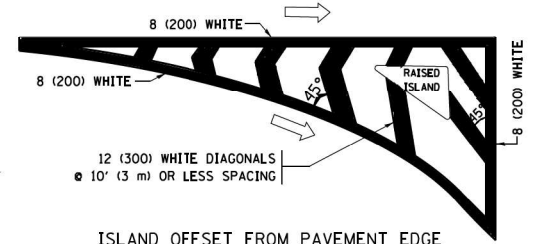


TYPICAL LEFT (OR RIGHT) TURN LANE

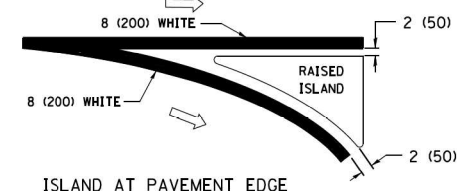
TYPICAL TURN LANE MARKING

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

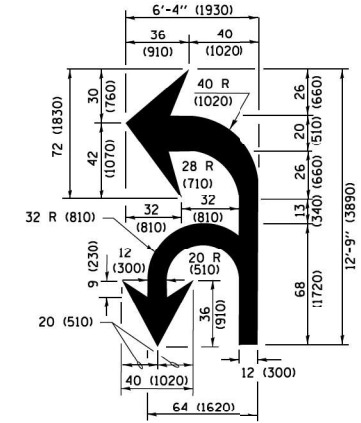
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



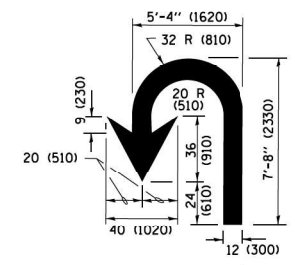
ISLAND OFFSET FROM PAVEMENT EDGE



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	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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.
CORE 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 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"
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.

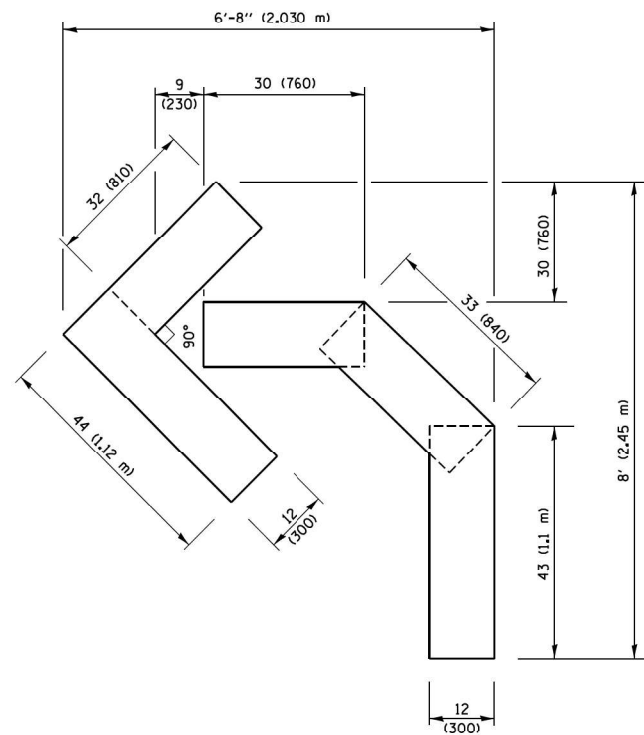
USER: idow FILE: I:\PLOT\PLT_190_14_Pbase II\vac-ar-dr-in\wg_2_62102\CAD\CADD_Sheet1D1E2H02-ent-ds-d1-1-13.dgn FILE: I:\PLOT\PLT_190_14_Pbase II\vac-ar-dr-in\wg_2_62102\CAD\CADD_Sheet1D1E2H02-ent-ds-d1-1-13.dgn

FILE NAME =	PLOT DRIVER = pdfNOLAYERSbw,rlrfg	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
W:\dststd\22x34\1\13.dgn	PEN TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50,000' / in	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 6/23/2017 2:57:15 PM	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

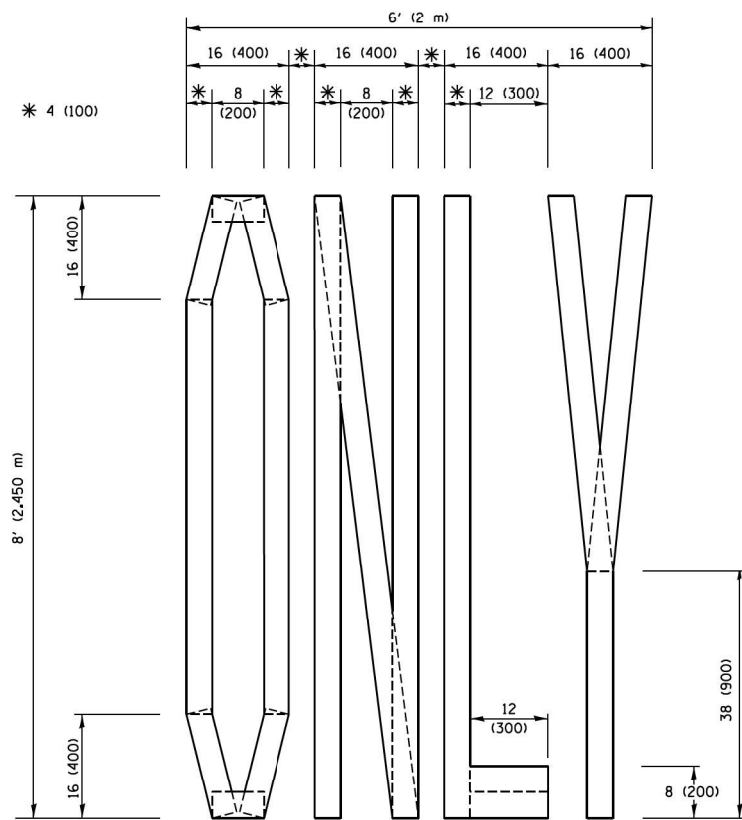
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		3887	2018-042-CR	KANE	53	49
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	TC-13			

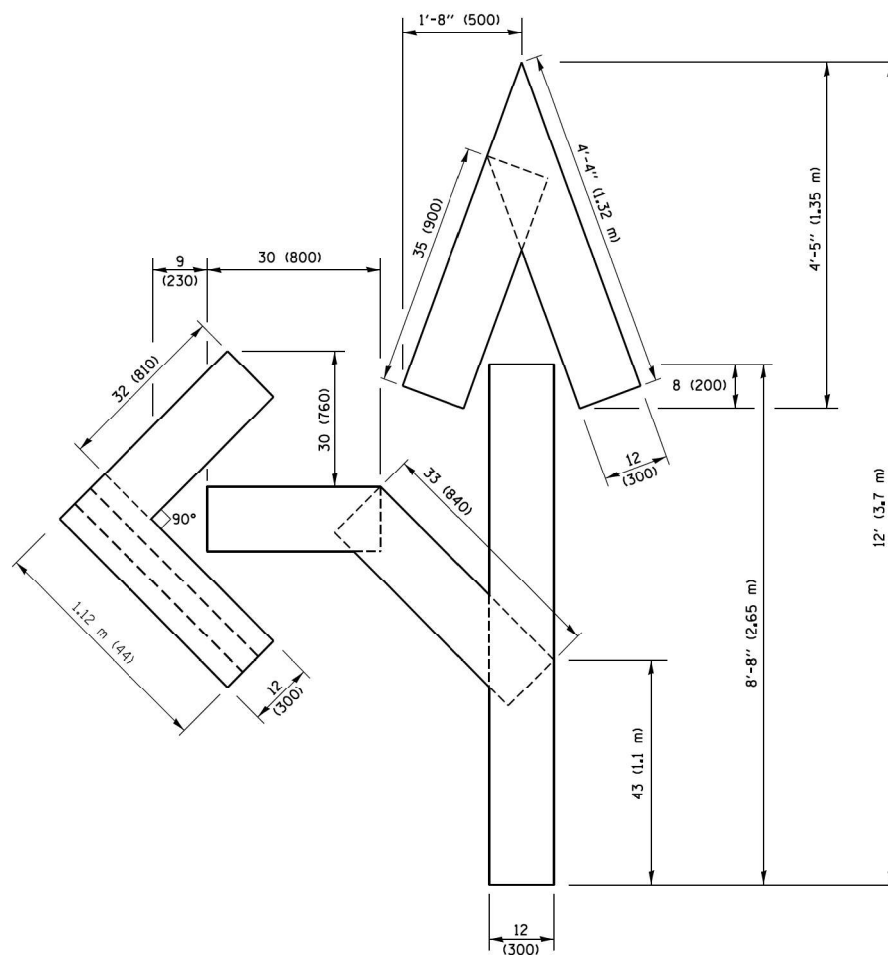
ILLINOIS		FED. AID PROJECT STP-BKR0921	
CONTRACT NO. 62H02			



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



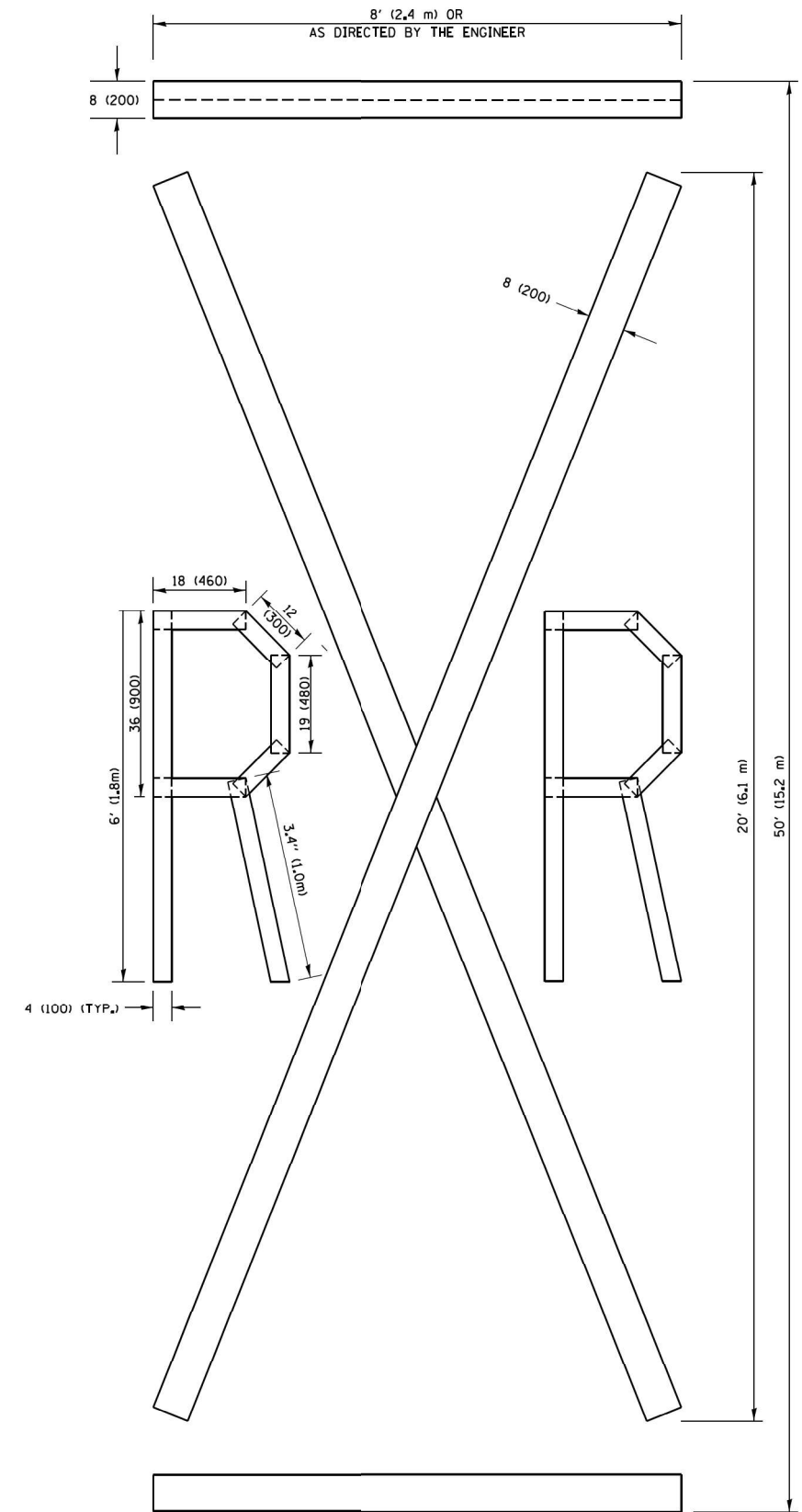
QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

NOTE:

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



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

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

USER: idow
 FILE: I:\L084E\ID\INTEG\Illinois.gov\PIDOT\Doc\PLT\TC16.dgn
 FILE NAME: I:\L084E\ID\INTEG\Illinois.gov\PIDOT\Doc\PLT\TC16.dgn
 PLOT DATE: 9/15/2016 2:57:28 PM

FILE NAME =	I:\L084E\ID\INTEG\Illinois.gov\PIDOT\Doc\PLT\TC16.dgn	DESIGNED -	- T. RAMMACHER 03-02-98
PLOT DRIVER =	pdfnolayersbw.plt	REVISOR -	- E. GOMEZ 08-28-00
PLOT SCALE =	50.0000' / 1"	CHECKED -	- E. GOMEZ 08-28-00
PLOT DATE =	9/15/2016 2:57:28 PM	DATE -	- 09-18-94
		REVISOR -	- A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	50
TC-16			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRO(921)				

USER: idoc
 FILE NAME: I:\PROJECTS\2009\09\DOT_PTB_190_14_Ptase II_VacaturDeferoWV_2_62102\CADD\CADD_SheetID1E2H02-ent-ds-d01-TC21.dwg
 PLOT DATE: 9/14/2009 2:57:39 PM






ROUTE MARKERS

 FOR U.S. ROUTES
 M1-40-2424






 FOR ILLINOIS ROUTES
 M1-50-2424

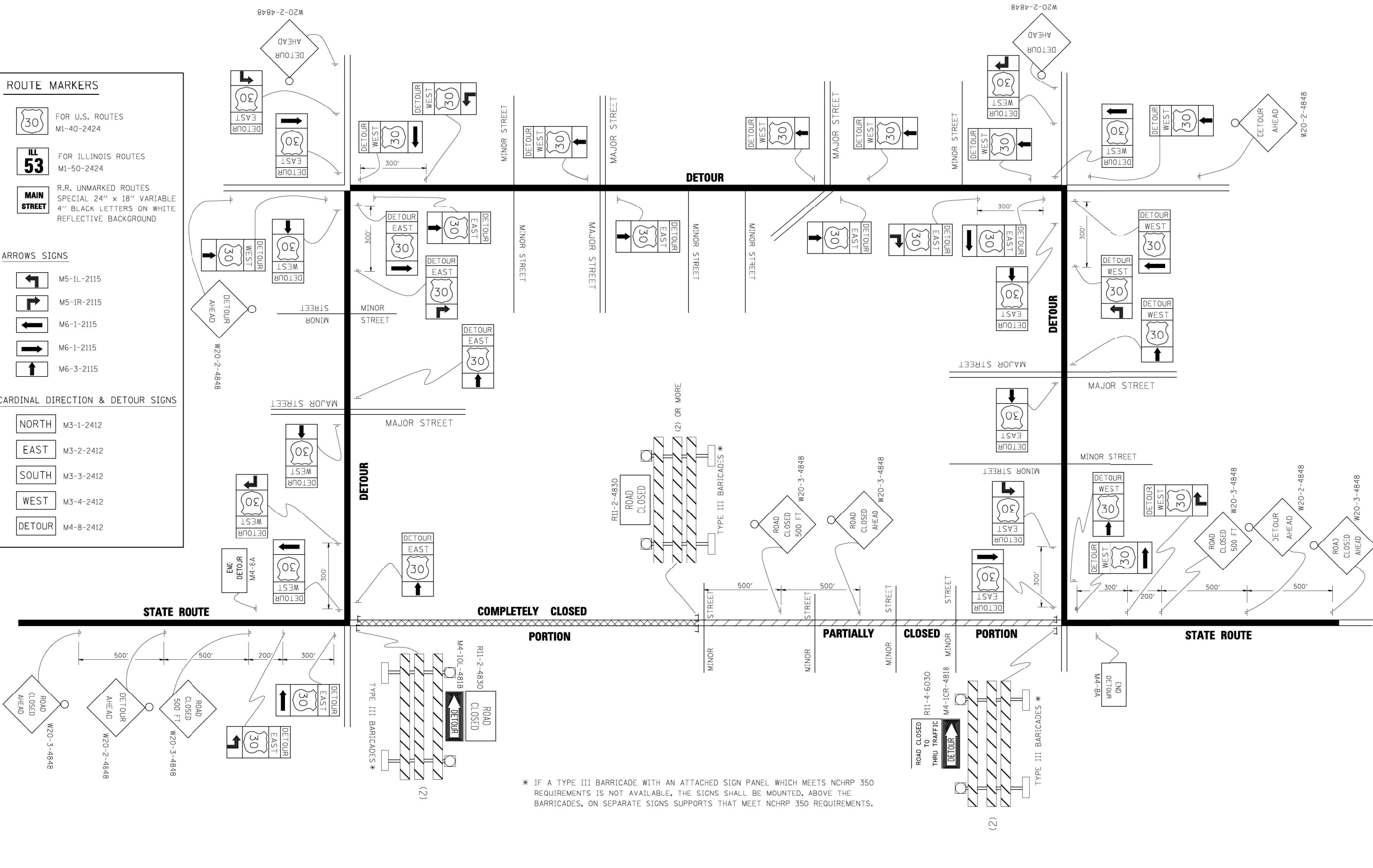
 R.R. UNMARKED ROUTES
 SPECIAL 24" x 18" VARIABLE
 4" BLACK LETTERS ON WHITE
 REFLECTIVE BACKGROUND

ARROWS SIGNS

 M5-1L-2115
 M5-1R-2115
 M6-1-2115
 M6-1-2115
 M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

 NORTH M3-1-2412
 EAST M3-2-2412
 SOUTH M3-3-2412
 WEST M3-4-2412
 DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	DESIGNER DRAWER = @H\WGAVER@shw.tlcrg	DESIGNED -	REVISED - 10-18-02
	TITLE TABLE = D162H02-PreFinal.tbl	DRAWN -	REVISED - R. BORO 09-14-09
	PLOT SCALE = 49.9999' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/14/2009 2:57:39 PM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING			
FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
F.A.U. RTE. 3887	SECTION 2018-042-CR	COUNTY KANE	TOTAL SHEETS 53 / SHEET NO. 51
TC-21		CONTRACT NO. 62H02	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT STP-BKRO(921)			

THIS SHEET INTENTIONALLY LEFT BLANK

USER: jdoe
 FILE: D:\Illinois\DOT\PTB_190_14_Phase II_Vas\AutoCAD\Sheet\TC16.dgn
 FILE: D:\Illinois\DOT\PTB_190_14_Phase II_Vas\AutoCAD\Sheet\TC16.dgn

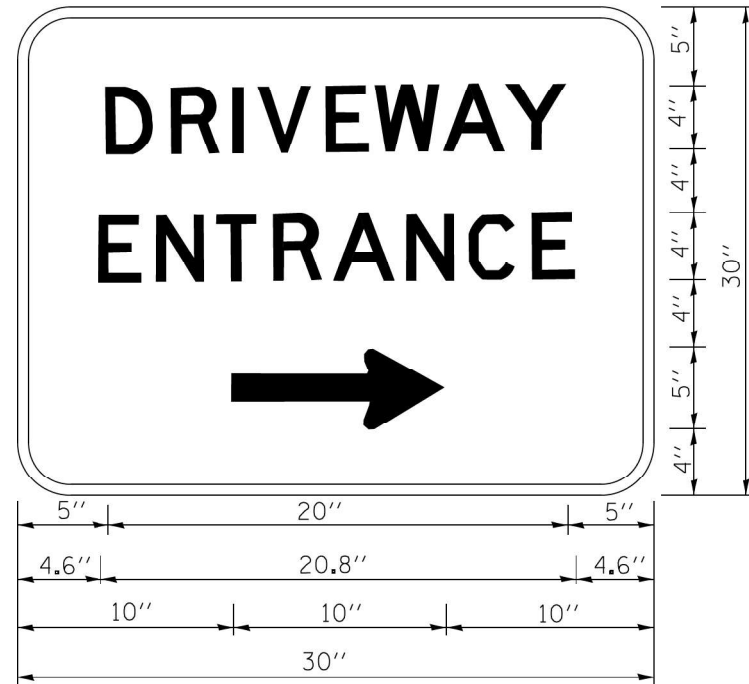
FILE NAME =	PLOT DRIVER = pcplplot	DESIGNED -	REVISED -T. RAMMACH 03-02-98
D:\Illinois\DOT\PTB_190_14_Phase II_Vas\AutoCAD\Sheet\TC16.dgn	D:\Illinois\DOT\PTB_190_14_Phase II_Vas\AutoCAD\Sheet\TC16.dgn	ORIGIN	REVISED -E. GOMEZ 08-28-00
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -E. GOMEZ 08-28-00
	PLOT DATE = 9/15/2016 12:49:36 PM	DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	52
TC-16			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT 51P-BKRO(921)				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

USER: idove
 FILE: I:\Users\idove\Documents\2018-04-20\2018-04-20\DOT_PTB_190_14_Phase II_Vocational_Drafting\WG_2_62102\CAD\CADD_Sheet1D162H02-ent-df-d1-TC26.dgn
 FILE: I:\Users\idove\Documents\2018-04-20\2018-04-20\DOT_PTB_190_14_Phase II_Vocational_Drafting\WG_2_62102\CAD\CADD_Sheet1D162H02-ent-df-d1-TC26.dgn

FILE NAME =	PLOT DRIVER = pdfNOLAYERSbw.plt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
TABLE =	D:\162H02-PreFinal.tbl	DRAWN -	REVISED -
PLOT SCALE = 50.000' / in.		CHECKED -	REVISED -
PLOT DATE = 12/13/2012 2:58:03 PM		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	53	53
TC-26			CONTRACT NO. 62H02	
ILLINOIS FED. AID PROJECT STP-BKRO(921)				

THIS SHEET INTENTIONALLY LEFT BLANK

USER: jdoe
 FILE: I:\Detail
 FILE: W:\2018\2018_004_IDOT_PTB_190_14_Phase II_Van-Van\Design\WG_2_62H02\CADD\CADD_Sheets\62H02-Sub\62H02-1-TC2.dgn

FILE NAME =	W:\diststd\22x34\tc2.dgn	PLOT DRIVER =	pcplnolayershow.plt	DESIGNED -		REVISED -	R. MIRS 09-15-97
PEN TABLE =	D162H02-PreFinal.tbl	DRAWN -		REVISED -	R. MIRS 12-11-97		
PLOT SCALE =	50.000 1 / IN.	CHECKED -		REVISED -	T. RAMMACHER 02-02-99		
PLOT DATE =	1/4/2008 12:49:39 PM	DATE -		REVISED -	C. JUCIUS 01-31-07		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
 INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	2018-042-CR	KANE	55	54
TC-22			CONTRACT NO. 62H02	
<small>ILLINOIS FED. AID PROJECT 51P-BKRO(921)</small>				