F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	1
	ILLINOIS	CONTRACT NO. 61K15		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

04-26-2024 **LETTING ITEM** 003

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED SHARED USE PATH AND PEDESTRIAN BRIDGE

SHARED USE PATH OVER BLACKBERRY CREEK FROM BELLE VUE LANE TO VIRGIL GILMAN TRAIL

SECTION NO.: 18-00030-00-BT
KANE COUNTY
C-91-155-22

LOCATION OF SECTION INDICATED THUS:-

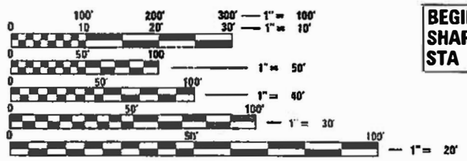
JEFFREY R. STANKO, P.E.
NO. 062-060033
EXPIRES: 11/30/2025
HR GREEN, INC.
(APPLIES TO SHEETS 1-22, 28-39)

JEFFREY R. STANKO 062-060033 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

ANDREW E. UNDERWAGER, P.E., S.E.
NO. 081-006218
EXPIRES: 11/30/2024
HR GREEN, INC.
(APPLIES TO SHEETS 23-27)

STATE OF ILLINOIS ANDREW E. UNDERWAGER 081-006218 CHICAGO, IL LICENSED STRUCTURAL ENGINEER

HRGreen
2363 SEQUOIA DRIVE, SUITE 101 | AURORA, ILLINOIS 60506
Phone: 630.553.7560 | Toll Free: 800.728.7605 | Fax: 630.553.7646 | HRGreen.com
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

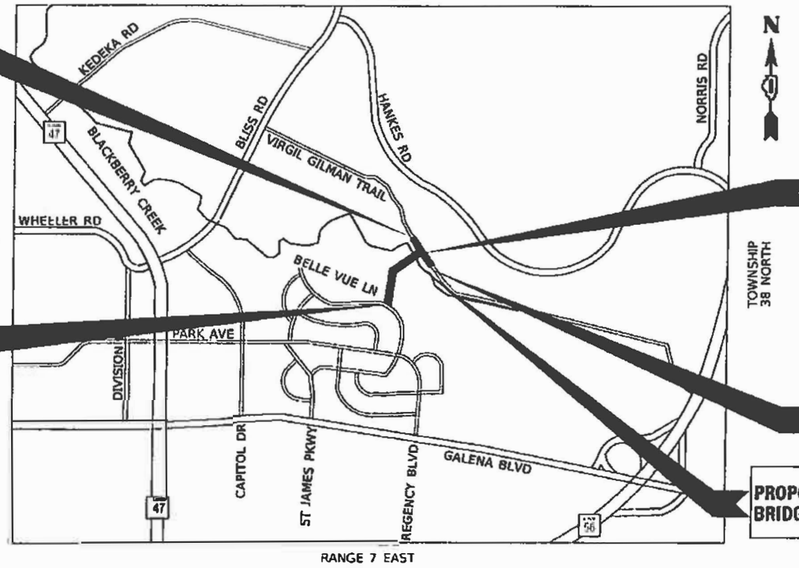


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

END IMPROVEMENTS VIRGIL GILMAN TRAIL STA 101+77.00

BEGIN IMPROVEMENTS SHARED USE PATH STA 59+43.13



END IMPROVEMENTS SHARED USE PATH STA 71+24.94

BEGIN IMPROVEMENTS VIRGIL GILMAN TRAIL STA 100+70.00

PROPOSED BRIDGE

LOCATION MAP
(NOT TO SCALE)
GROSS LENGTH: 1289 FT
NET LENGTH: 1289 FT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 12/14 2023
VILLAGE OF SUGAR GROVE, DIRECTOR OF PUBLIC WORKS

APPROVED 12-8 2023
Scott Nadeau E.D.
SUGAR GROVE PARK DISTRICT, EXECUTIVE DIRECTOR

APPROVED 12/6/2023
FOREST PRESERVE DISTRICT OF KANE COUNTY, EXECUTIVE DIRECTOR

PASSED Feb 23 2024
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW Feb 23 2024
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

CONTRACT NO. 61K15

INDEX OF SHEETS

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
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
515001-04	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAIN
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS.
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNAL & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT ONE STANDARDS

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

GENERAL NOTES

MISCELLANEOUS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE CONTRACT.

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

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ANY REFERENCE TO A STANDARD THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER.

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

THE FOREST PRESERVE DISTRICT OF KANE COUNTY SHALL BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ANY WORK AFFECTING PEDESTRIAN TRAFFIC ON VIRGIL GILMAN TRAIL. THE WORK ON VIRGIL GILMAN TRAIL SHALL BE EXPEDITED TO THE FULLEST EXTENT POSSIBLE WITH FINAL PAVING COMPLETED AND REOPENED TO PEDESTRIAN TRAFFIC IN NO MORE THAN TWO (2) CALENDAR DAYS.

THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE. TREE REMOVAL PAY ITEMS AND QUANTITIES HAVE BEEN PROVIDED FOR TREES THAT MAY BE IN CONFLICT WITH CONSTRUCTION. ANY TREE REMOVAL ALONG WITH ALL TREE PROTECTION, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL ERECT A TREE PROTECTION AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" TO THE SATISFACTION OF THE ENGINEER BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOB SITE. NO WORK IS TO BE PERFORMED (OTHER THAN PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". TREE PROTECTION SHALL BE REMOVED ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

THE SUBGRADE SHALL BE KEPT DRAINED DURING CONSTRUCTION OF THE PAVEMENT STRUCTURE. THE CONTRACTOR SHALL FACILITATE SURFACE DRAINAGE BY CUTTING WEEPS IN THE SUBGRADE OR ADJACENT TERRAIN AS NECESSARY.

PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS/BODIES OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

MIXTURES TABLE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @Ndes	
HMA SHARED USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr.	LR1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QA/QC) PER LR1030-2		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIAL PROVISIONS.

SEWER AND WATER MAIN

THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS MAINTAINED AT ALL TIMES DURING AND AFTER THE CONSTRUCTION.

ANY LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.

UTILITIES

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

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

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

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

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE SHARED USE PATH CENTERLINE.

UNLESS OTHERWISE NOTED, THE OFFSETS FOR DRAINAGE STRUCTURES WITHIN THE CURB ARE MEASURED TO THE EDGE OF PAVEMENT. THE OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE MEASURED TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON NAVD 88 DATUM.

COMMITMENTS

TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH OCTOBER 31ST OF ANY GIVEN YEAR.

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PLOT SCALE = 20.0000 ' / in.	CHECKED - JRS	REVISED -			
PLOT DATE = 2/16/2024	DATE - 11/27/2023	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	2
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE	
				80% STATE 20% LOCAL	80% STATE 20% LOCAL
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0028	STRUCTURAL 0008
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	420	420	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	338	338	
20101000	TEMPORARY FENCE	FOOT	20	20	
20101100	TREE TRUNK PROTECTION	EACH	1	1	
20101200	TREE ROOT PRUNING	EACH	1	1	
20101700	SUPPLEMENTAL WATERING	UNIT	1	1	
20200100	EARTH EXCAVATION	CU YD	1401	1401	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	463	323	140
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	590	590	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	779	779	
25000100	SEEDING, CLASS 1	ACRE	0.91	0.91	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	129	129	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	129	129	
25200110	SODDING, SALT TOLERANT	SQ YD	16	16	
25200200	SUPPLEMENTAL WATERING	UNIT	1	1	

Δ SPECIALTY ITEM

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PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	3
		CONTRACT NO. 61K15		
ILLINOIS	FED. AID PROJECT			

				CONSTRUCTION CODE	
				80% STATE 20% LOCAL	80% STATE 20% LOCAL
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0028	STRUCTURAL 0008
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	144	144	
28000305	TEMPORARY DITCH CHECKS	FOOT	70	70	
28000400	PERIMETER EROSION BARRIER	FOOT	1889	1889	
28000510	INLET FILTERS	EACH	2	2	
28100107	STONE RIPRAP, CLASS A4	SQ YD	203		203
28200200	FILTER FABRIC	SQ YD	211		211
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	310	310	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	37	37	
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1389	1389	
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	20	20	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3124	3124	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	145	145	
42001300	PROTECTIVE COAT	SQ YD	43	43	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	301	301	
42400800	DETECTABLE WARNINGS	SQ FT	40	40	

Δ SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
BLACKBERRY CREEK – SHARED USE PATH

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	4
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% STATE 20% LOCAL ROADWAY 0028	CONSTRUCTION CODE 80% STATE 20% LOCAL STRUCTURAL 0008
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	32	32	
44000600	SIDEWALK REMOVAL	SQ FT	100	100	
50200100	STRUCTURE EXCAVATION	CU YD	133		133
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	133		133
50300225	CONCRETE STRUCTURES	CU YD	26.2		26.2
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3916		3916
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	120		120
51202305	DRIVING PILES	FOOT	120		120
51203200	TEST PILE METAL SHELLS	EACH	1		1
51500100	NAME PLATES	EACH	1		1
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	86		86
58700300	CONCRETE SEALER	SQ FT	208		208
60146305	PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4"	FOOT	136		136
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	32	32	
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	554	554	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
BLACKBERRY CREEK – SHARED USE PATH

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

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	5

CONTRACT NO. 61K15
ILLINOIS FED. AID PROJECT

					CONSTRUCTION CODE	
					80% STATE 20% LOCAL	80% STATE 20% LOCAL
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0028	STRUCTURAL 0008
	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	
	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4	4	
	67100100	MOBILIZATION	L SUM	1	1	
Δ	72000100	SIGN PANEL - TYPE 1	SQ FT	32	32	
Δ	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	52	52	
Δ	72900100	METAL POST - TYPE A	FOOT	12	12	
Δ	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	4	4	
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	50	50	
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	64	64	
	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	822	822	
	X0327036	BIKE PATH REMOVAL	SQ YD	104	104	
	X1200274	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1	1	
	X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.52	0.52	

Δ SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	6
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE	
				80% STATE 20% LOCAL	80% STATE 20% LOCAL
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0028	STRUCTURAL 0008
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	6937	6937	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	3	3	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	18	18	

Δ SPECIALTY ITEM

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DATE - 11/27/2023

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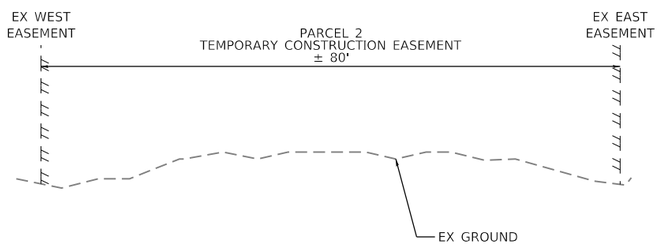
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
BLACKBERRY CREEK – SHARED USE PATH

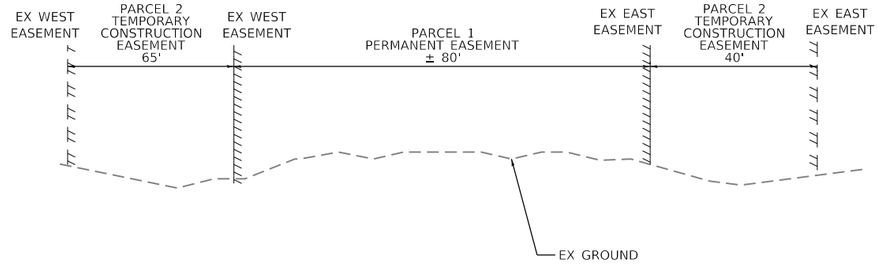
SCALE:
SHEET 5 OF 5 SHEETS STA. TO STA.

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	7
		CONTRACT NO. 61K15		
ILLINOIS FED. AID PROJECT				



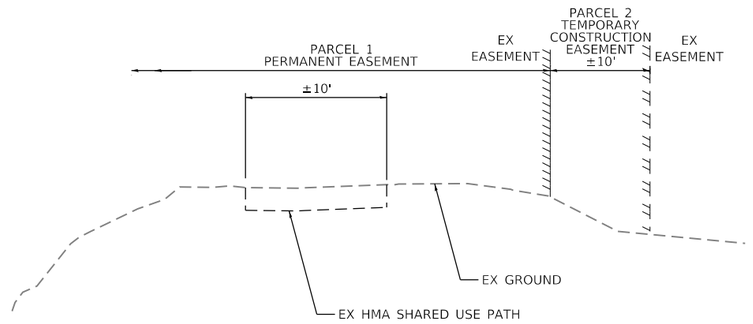
EXISTING TYPICAL SECTION

STA 60+00.00 TO STA 65+97.39
BLACKBERRY CREEK SHARED USE PATH



EXISTING TYPICAL SECTION

STA 65+97.39 TO STA 71+19.50
BLACKBERRY CREEK SHARED USE PATH



EXISTING TYPICAL SECTION

STA 100+70.00 TO STA 101+77.00
VIRGIL GILMAN TRAIL

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184-001322

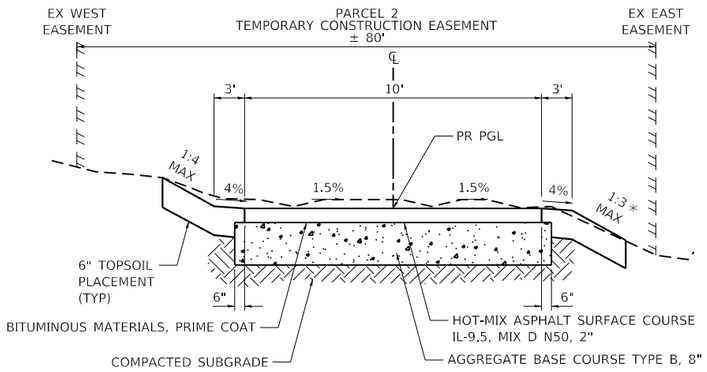
USER NAME = amiller	DESIGNED - JRS	REVISED -
	DRAWN - AJM	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JRS	REVISED -
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

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

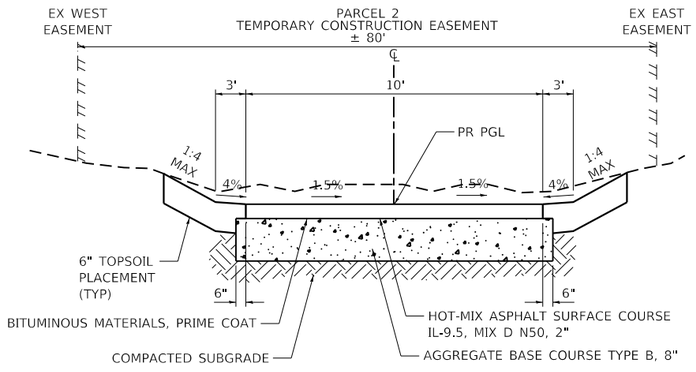
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	8
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION

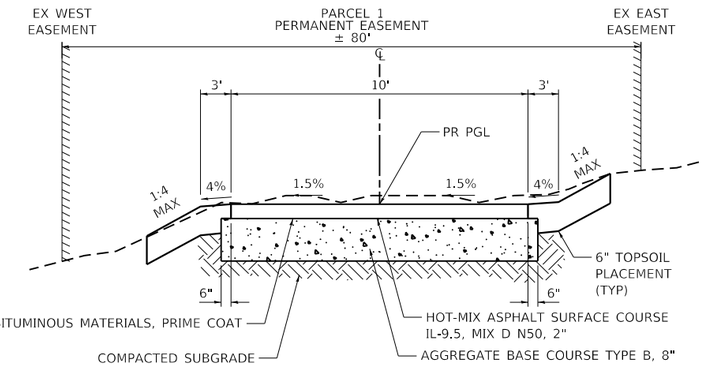
STA 60+01.00 TO STA 65+50.00
BLACKBERRY CREEK SHARED USE PATH

* RIGHT SIDE FILL SLOPE
TIE TO TOP OF BANK ±2.0%
STA 63+00.00 TO STA 65+50.00



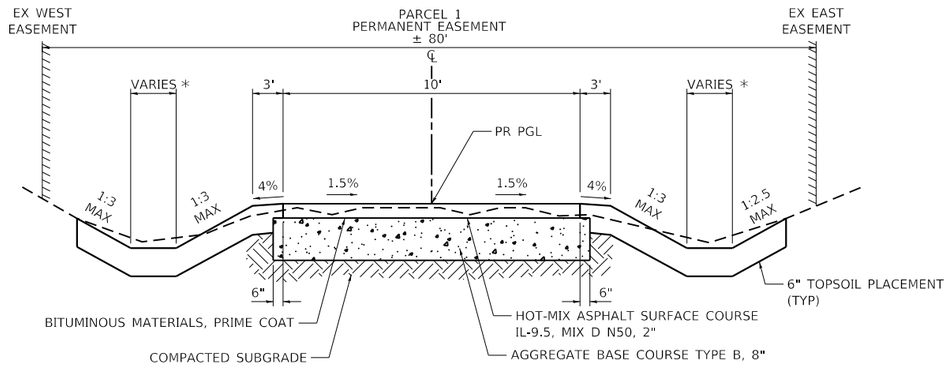
PROPOSED TYPICAL SECTION

STA 65+50.00 TO STA 66+00.00
BLACKBERRY CREEK SHARED USE PATH



PROPOSED TYPICAL SECTION

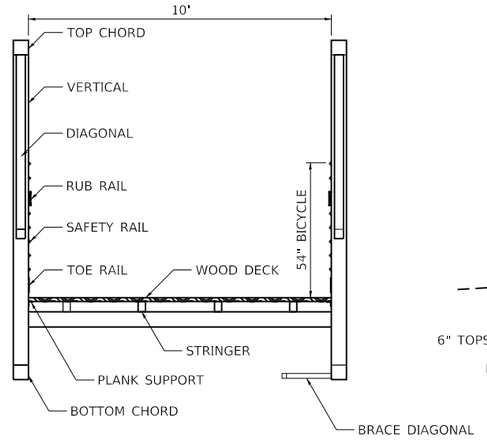
STA 66+00.00 TO STA 66+40.00
BLACKBERRY CREEK SHARED USE PATH



PROPOSED TYPICAL SECTION

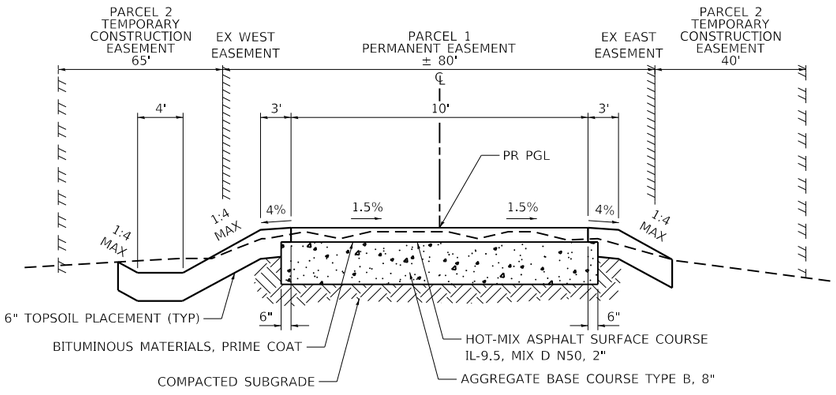
STA 66+40.00 TO STA 69+94.90
BLACKBERRY CREEK SHARED USE PATH

* LEFT SIDE DITCH WIDTH
4' - STA 66+80.00 TO STA 68+00.00
10' - STA 68+50.00 TO STA 69+94.92
RIGHT SIDE DITCH WIDTH
7' - STA 66+80.00 TO STA 69+00.00
4' - STA 69+30.00 TO STA 69+94.92



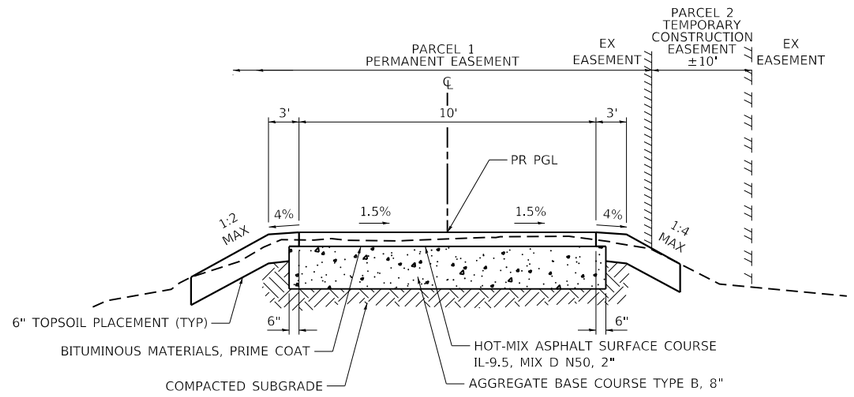
PROPOSED TYPICAL SECTION

STA 69+94.90 TO STA 70+77.10
BLACKBERRY CREEK BRIDGE AND SHARED USE PATH
PEDESTRIAN BRIDGE



PROPOSED TYPICAL SECTION

STA 70+77.10 TO STA 71+24.94
BLACKBERRY CREEK SHARED USE PATH



PROPOSED TYPICAL SECTION

STA 100+70.00 TO STA 101+77.00
VIRGIL GILMAN TRAIL

NOTES:

ADDITIONAL UNDERCUTS SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS AND SHALL BE REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) ON A BED OF GEOTECHNICAL FABRIC.

STA 68+75.00 TO STA 69+25.00 - 12 INCHES
STA 69+25.00 TO STA 69+94.90 - 24 INCHES
STA 70+77.10 TO STA 71+24.94 - 12 INCHES

ALL UNDERCUT AREAS SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR AND APPROVED BY THE ENGINEER. THE SUBGRADE SHALL BE TESTED IN ACCORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL. ANY AGGREGATE/FABRIC NOT NEEDED AT THE TIME OF CONSTRUCTION SHALL BE DELETED FROM THE CONTRACT. NO ADJUSTMENTS IN UNIT PRICE WILL BE ALLOWED FOR AN INCREASE OR DECREASE IN QUANTITIES FROM THE ESTIMATED QUANTITIES SHOWN ON THE PLANS.

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_typ02.dgn
PLOT DRIVER: IL_pdf_bw.ptrcfg
PEN TABLE: plotlabel.tbl

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = amiller	DESIGNED - JRS	REVISED -
	DRAWN - AJM	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JRS	REVISED -
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	9
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

PROP. CURVE PRPATH_3
PI STA. = 60+30.86
Δ = 14° 15' 11" (LT)
D = 40° 55' 32"
R = 140.00'
T = 17.50'
L = 34.83'
E = 1.09'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 60+13.35
P.T. STA. = 60+48.18

PROP. CURVE PRPATH_6
PI STA. = 63+12.14
Δ = 22° 37' 52" (RT)
D = 31° 49' 52"
R = 180.00'
T = 36.02'
L = 71.10'
E = 3.57'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 62+76.12
P.T. STA. = 63+47.22

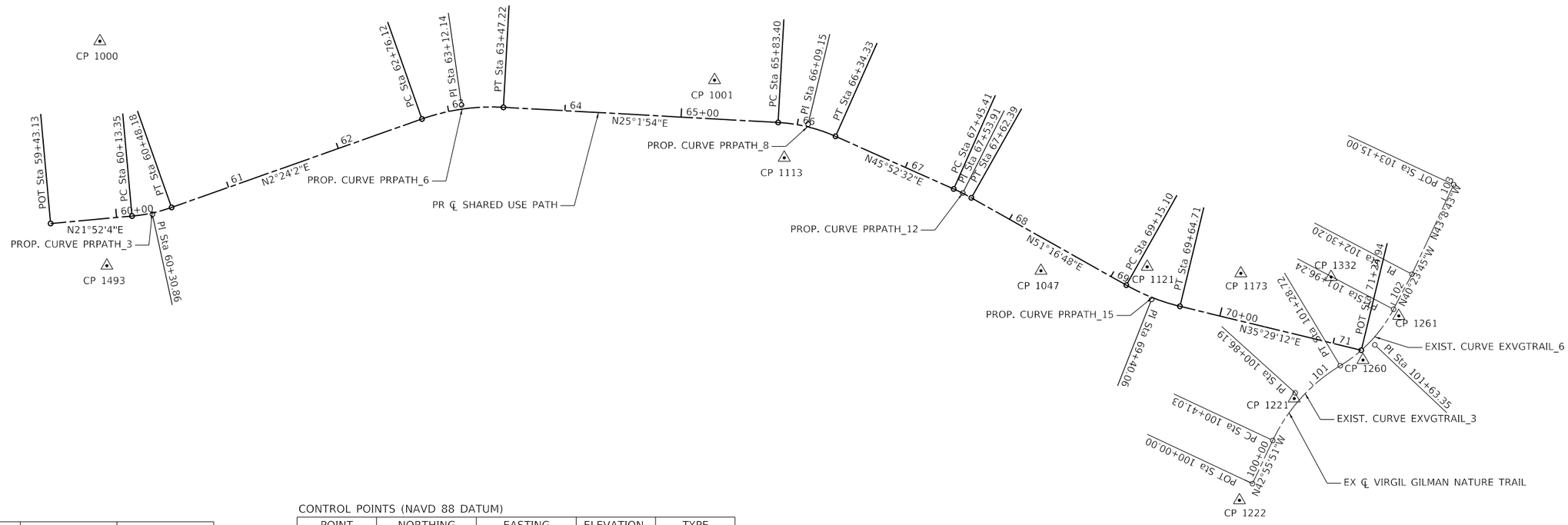
PROP. CURVE PRPATH_9
PI STA. = 66+09.15
Δ = 20° 50' 38" (RT)
D = 40° 55' 32"
R = 140.00'
T = 25.75'
L = 50.93'
E = 2.35'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 65+83.40
P.T. STA. = 66+34.33

PROP. CURVE PRPATH_12
PI STA. = 67+53.91
Δ = 5° 24' 16" (RT)
D = 31° 49' 52"
R = 180.00'
T = 8.50'
L = 16.98'
E = 0.20'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 67+45.41
P.T. STA. = 67+62.39

PROP. CURVE PRPATH_15
PI STA. = 69+40.06
Δ = 15° 47' 36" (LT)
D = 31° 49' 52"
R = 180.00'
T = 24.97'
L = 49.62'
E = 1.72'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 69+15.10
P.T. STA. = 69+64.71

EXIST. CURVE EXVGTRAIL_3
PI STA. = 100+86.19
Δ = 33° 43' 16" (RT)
D = 38° 27' 13"
R = 149.00'
T = 45.16'
L = 87.69'
E = 6.69'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 100+41.03
P.T. STA. = 101+28.72

EXIST. CURVE EXVGTRAIL_6
PI STA. = 101+63.35
Δ = 31° 11' 09" (LT)
D = 46° 12' 23"
R = 124.00'
T = 34.60'
L = 67.49'
E = 4.74'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 101+28.75
P.T. STA. = 101+96.24

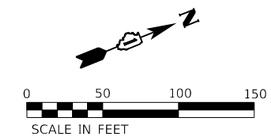


CURVE DATA

STATION	TYPE	NORTHING	EASTING
59+43.13	POT	1,861,249.9596	957,752.8597
60+13.35	PC	1,861,317.2369	957,772.9846
60+30.86	PI	1,861,334.0064	957,778.0010
60+48.18	PT	1,861,351.4948	957,638.8570
62+76.12	PC	1,861,579.2377	957,788.2820
63+12.14	PI	1,861,615.2244	957,789.7907
63+47.22	PT	1,861,647.8596	957,805.0308
65+83.40	PC	1,861,861.8557	957,904.9631
66+09.15	PI	1,861,885.1872	957,915.8585
66+34.33	PT	1,861,903.1150	957,934.3427
67+45.41	PC	1,861,980.4526	958,014.0807
67+53.91	PI	1,861,986.3674	958,020.1790
67+62.39	PT	1,861,991.6815	958,026.8074
69+15.10	PC	1,862,087.2007	958,145.9494
69+40.06	PI	1,862,102.8176	958,165.4286
69+64.71	PT	1,862,123.1466	958,179.9219
71+24.94	POT	1,862,253.6138	958,272.9370
100+00.00	POT	1,862,124.2010	958,344.4449
100+41.03	PC	1,862,154.2428	958,316.4980
100+86.19	PI	1,862,187.3061	958,285.7405
101+28.72	PT	1,862,231.8815	958,278.5129
101+63.35	PI	1,862,266.0629	958,272.9707
101+96.24	PT	1,862,292.4176	958,250.5444
102+30.20	PI	1,862,318.2795	958,228.5375
103+15.00	POT	1,862,380.1532	958,170.5451

CONTROL POINTS (NAVD 88 DATUM)

POINT	NORTHING	EASTING	ELEVATION	TYPE
CP 1000	1,861,347.4570	957,623.3500	691.886	X
CP 1001	1,861,824.7440	957,850.9020	691.694	REBAR
CP 1047	1,862,023.7740	958,107.1790	683.912	TEMP
CP 1113	1,861,855.4050	957,935.0640	685.537	X
CP 1121	1,862,109.7000	958,137.9810	679.881	TEMP
CP 1173	1,862,182.1720	958,173.1440	675.949	REBAR
CP 1221	1,862,184.7630	958,289.9660	681.814	MAG
CP 1222	1,862,108.5000	958,353.5990	680.188	MAG
CP 1260	1,862,251.8170	958,281.2440	681.152	MAG
CP 1261	1,862,294.4110	958,257.5740	680.707	MAG
CP 1332	1,862,252.9410	958,204.8920	674.634	MAG
CP 1493	1,861,281.2910	957,804.4420	689.598	TAG-BOLT



HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_ab0_dgn
PLOT DRIVER: IL_pdf_bwpltcfg
PEN TABLE: plotlabel.tbl

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Illinois Professional Design Firm
184-001322

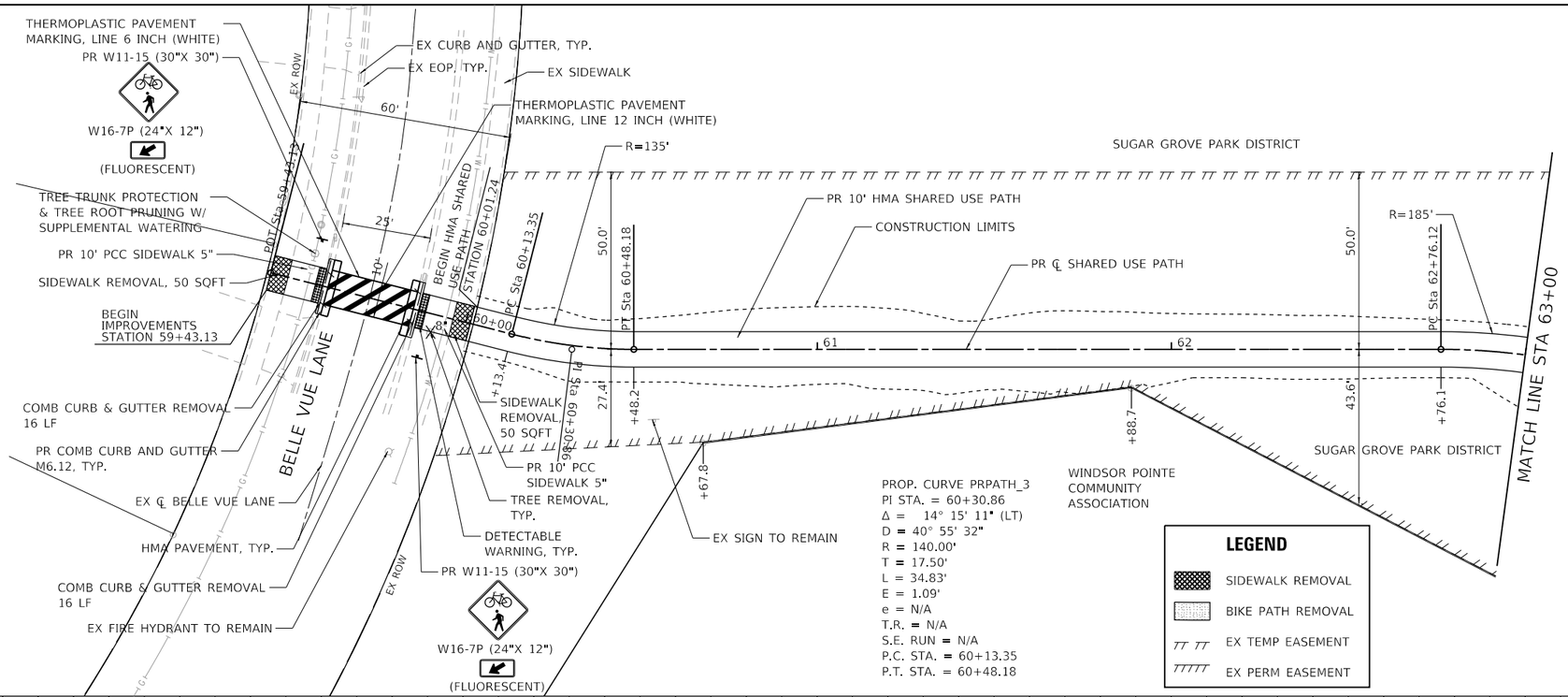
USER NAME = amiller	DESIGNED - FID	REVISED -	
	DRAWN - FID	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JRS	REVISED -	
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND BENCHMARKS
BLACKBERRY CREEK – SHARED USE PATH

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	10
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		



PLAN — SURVEYED; PLOTTED; CROSS SECTIONS CHECKED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE — SURVEYED; PLOTTED; CROSS SECTIONS CHECKED; BM. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

HRG PROJECT NO.: 230226i
HRG PROJ. CONTACT:
FILE NAME: 230226i_pmar10.dgn
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PEN TABLE: plotlabl.tbl

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Illinois Professional Design Firm # 184-001322

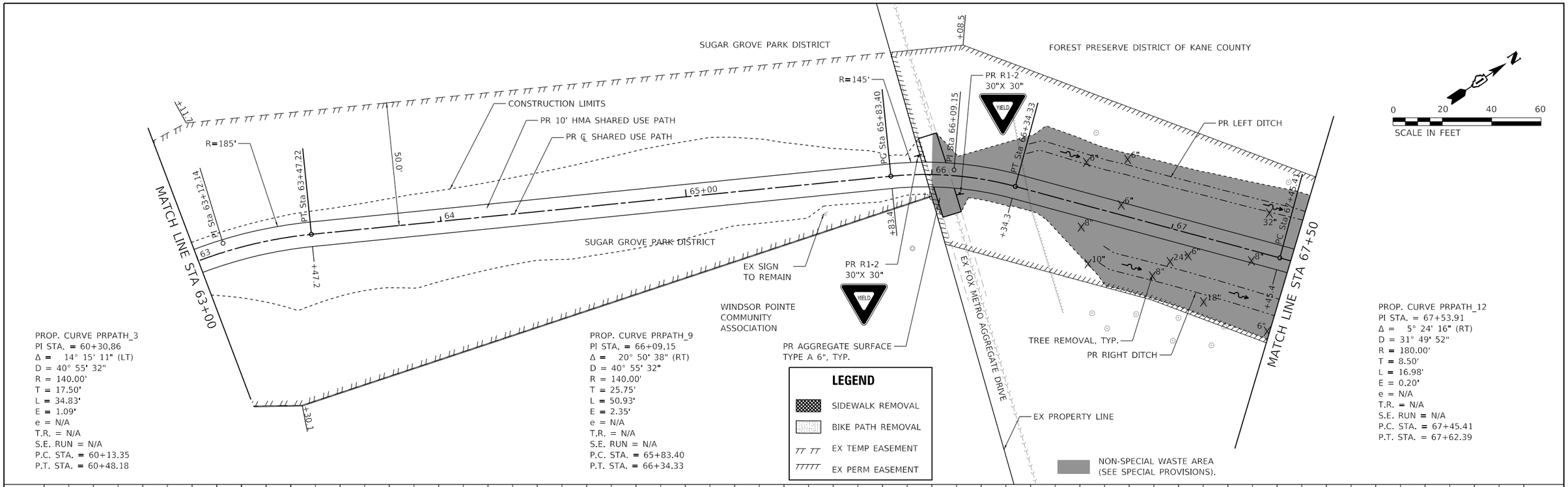
USER NAME = amiller	DESIGNED - JRS	REVISED -
	DRAWN - AJM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JRS	REVISED -
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
BLACKBERRY CREEK – SHARED USE PATH

SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. 59+43.13 TO STA. 63+00.00

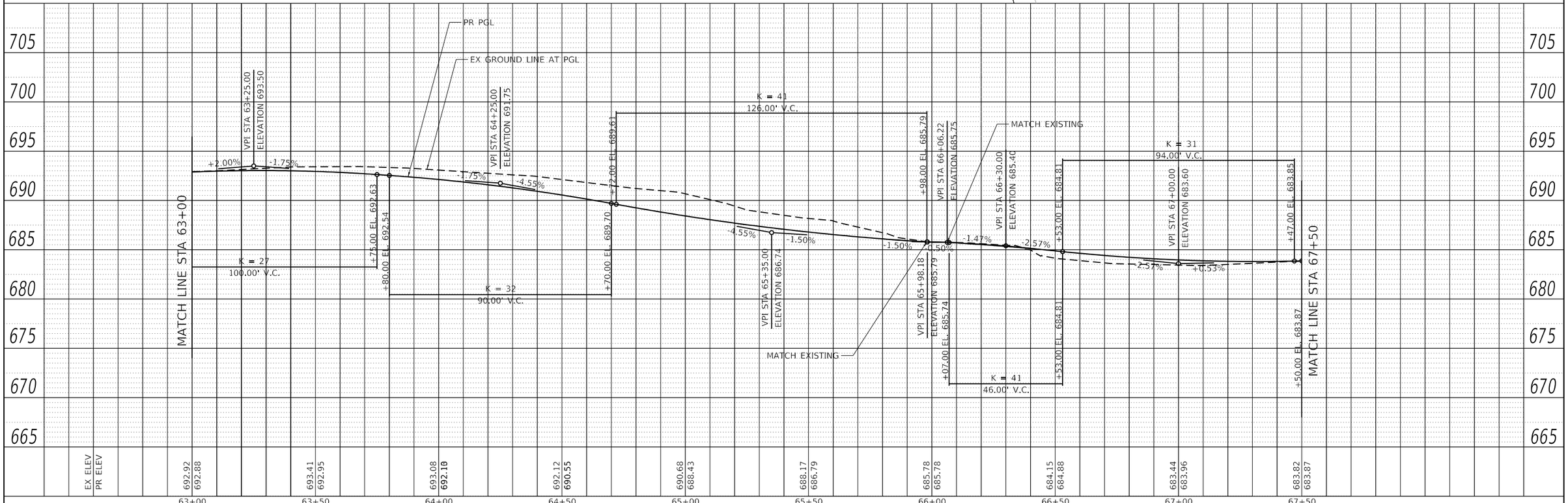
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	11
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			



PROP. CURVE PRPATH_3
PI STA. = 60+30.86
Δ = 14° 15' 11" (LT)
D = 40° 55' 32"
R = 140.00'
T = 17.50'
L = 34.83'
E = 1.09'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 60+13.35
P.T. STA. = 60+48.18

PROP. CURVE PRPATH_9
PI STA. = 66+09.15
Δ = 20° 50' 38" (RT)
D = 40° 55' 32"
R = 140.00'
T = 25.75'
L = 50.93'
E = 2.35'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 65+83.40
P.T. STA. = 66+34.33

PROP. CURVE PRPATH_12
PI STA. = 67+53.91
Δ = 5° 24' 16" (RT)
D = 31° 49' 52"
R = 180.00'
T = 8.50'
L = 16.98'
E = 0.20'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 67+45.41
P.T. STA. = 67+62.39



PLAN / PROFILE — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE, PROFILE GRADES CHECKED, BAR. NOTED, STRUCTURE NOTATNS CHKD

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_plnpr02.dgn
PLOT DRIVER: ...pdf_bwpltcfg
PEN TABLE: plotlabl.tbl

HRGreen.com
Illinois Professional Design Firm # 184-001322

USER NAME = amiller	DESIGNED - JRS	REVISED -
	DRAWN - AJM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JRS	REVISED -
PLOT DATE = 2/23/2024	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
BLACKBERRY CREEK – SHARED USE PATH

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 63+00.00 TO STA. 67+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	12
		CONTRACT NO. 61K15		
		ILLINOIS	FED. AID PROJECT	

PLAN
SURVEYED
PLOTTED
DRAWN CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
DRAWN CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_plnpr03.dgn
PLOT DRIVER: ILpdf_bw.pltcfg
PEN TABLE: plotlabl.tbl

PROP. CURVE PRPATH_12
PI STA. = 67+53.91
Δ = 5° 24' 16" (RT)
D = 31° 49' 52"
R = 180.00'
T = 8.50'
L = 16.98'
E = 0.20'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 67+45.41
P.T. STA. = 67+62.39

MATCH LINE STA 67+50

CONSTRUCTION LIMITS
R=185'
PR LEFT DITCH
PR 10' HMA SHARED USE PATH
PR ℄ SHARED USE PATH
PC Sta 67+45.91
PT Sta 67+62.39
TREE REMOVAL, TYP.
PR RIGHT DITCH
R=185'
PC Sta 69+64.71
PT Sta 69+64.71
PC Sta 69+69.81
PT Sta 70+15.1
BRIDGE OMISSION
SEE STRUCTURAL SHEETS
R=10'
R=3'
PC Sta 71+24.94
EX ℄ VIRGIL GILMAN NATURE TRAIL
EX ℄ VIRGIL GILMAN NATURE TRAIL STATION 101+51.19
= PR ℄ SHARED USE PATH STATION 71+24.94
VIRGIL GILMAN TRAIL
FOREST PRESERVE DISTRICT OF KANE COUNTY
WETLAND AREA (TYP)
BLACKBERRY CREEK

LEGEND
- SIDEWALK REMOVAL
- BIKE PATH REMOVAL
- EX TEMP EASEMENT
- EX PERM EASEMENT

NON-SPECIAL WASTE AREA
(SEE SPECIAL PROVISIONS).

0 20 40 60
SCALE IN FEET

NOTE:
THE WORK ON VIRGIL GILMAN TRAIL SHALL BE COMPLETED UNDER HIGHWAY STANDARD 701801-06. ADDITIONAL SIGNAGE SHALL BE PLACED AT THE TRAILHEAD 1,200 FEET WEST OF THE WORK ZONE AND AT THE TRAILHEAD 5,800 FEET EAST OF THE WORK ZONE OR AS DIRECTED BY THE ENGINEER. THE FOREST PRESERVE DISTRICT OF KANE COUNTY SHALL BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ANY WORK AFFECTING PEDESTRIAN TRAFFIC ON VIRGIL GILMAN TRAIL. THE WORK ON VIRGIL GILMAN TRAIL SHALL BE EXPEDITED TO THE FULLEST EXTENT POSSIBLE WITH FINAL PAVING COMPLETED AND REOPENED TO PEDESTRIAN TRAFFIC IN NO MORE THAN TWO (2) CALENDAR DAYS.

PROP. CURVE PRPATH_15
PI STA. = 69+40.06
Δ = 15° 47' 36" (LT)
D = 31° 49' 52"
R = 180.00'
T = 24.97'
L = 49.62'
E = 1.72'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 69+15.10
P.T. STA. = 69+64.71

MATCH LINE STA 67+50

VPI STA 67+75.00 ELEVATION 684.00
VPI STA 68+30.00 ELEVATION 683.40
VPI STA 68+96.40 ELEVATION 682.35
VPI STA 69+96.00 ELEVATION 683.75
VPI STA 70+36.00 ELEVATION 683.95
VPI STA 70+76.00 ELEVATION 683.75
VPI STA 70+96.00 ELEVATION 683.46
VPI STA 71+20.00 ELEVATION 682.50
VPI STA 71+25.00 ELEVATION 682.42

+0.53% -1.09% -1.09% -1.58% -1.58% +1.41% +1.41% -1.45% -4.00%

K = 31 50.00' V.C.
K = 41 20.00' V.C.
K = 33 100.00' V.C.
K = 12 30.00' V.C.

+00.00 EL. 683.73
+20.00 EL. 683.51
+40.00 EL. 683.24
+46.40 EL. 683.14
+46.40 EL. 683.05
+81.00 EL. 683.68
+11.00 EL. 682.86

PR PGL
EX GROUND LINE AT PGL
BLACKBERRY CREEK
BRIDGE SHOWN FOR REFERENCE
(SEE STRUCTURAL PLANS)

	EX ELEV	PR ELEV
67+50	683.82	683.87
68+00	683.94	683.73
68+50	682.89	683.09
69+00	679.89	682.72
69+50	679.69	683.10
70+00	679.39	683.77
70+50	672.80	683.88
71+00	681.59	683.25

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Illinois Professional Design Firm
184-001322

USER NAME = amiller	DESIGNED - JRS	REVISED -	
	DRAWN - AJM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - JRS	REVISED -	
PLOT DATE = 2/23/2024	DATE - 11/27/2023	REVISED -	

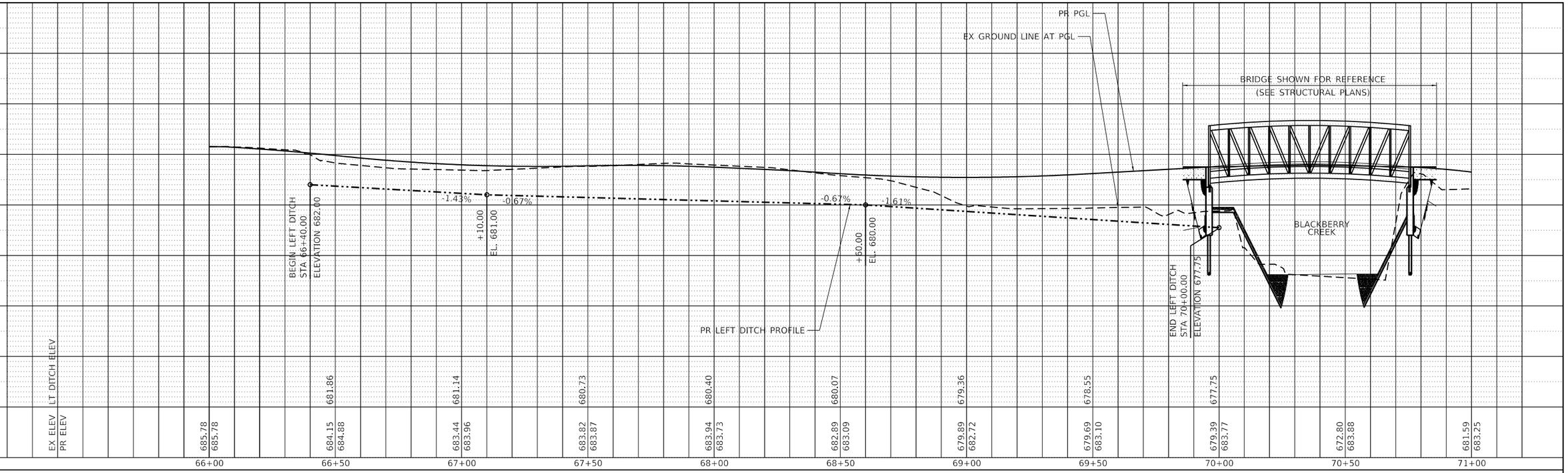
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
BLACKBERRY CREEK – SHARED USE PATH

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. 67+50.00 TO STA. 71+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	13
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

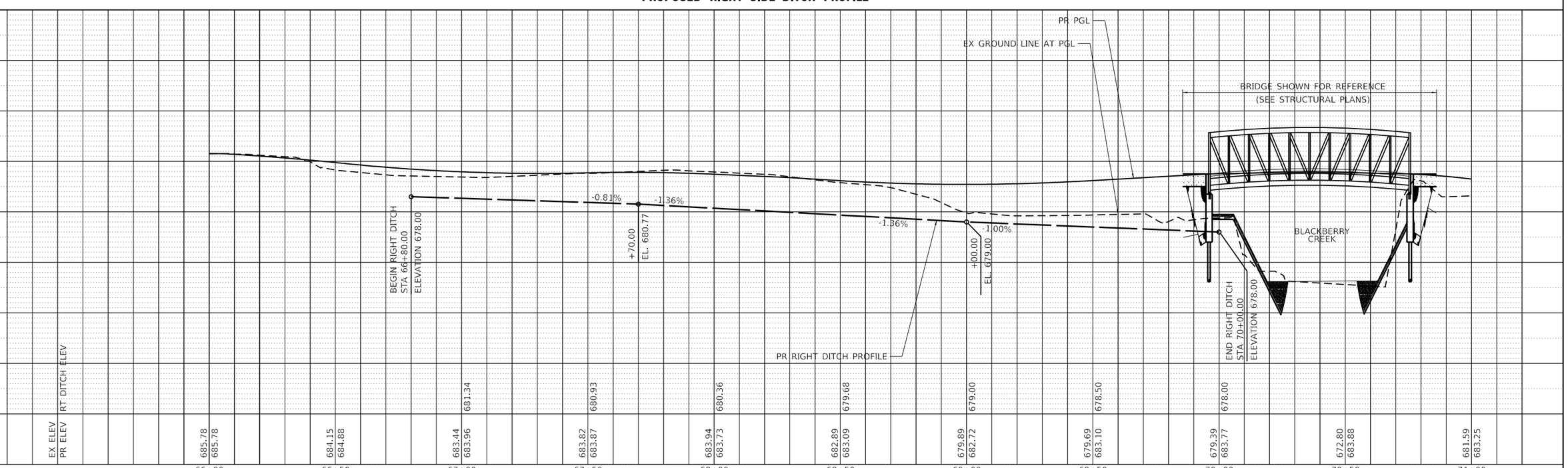
PLAN
SURVEYED
PLOTTED
HORIZONT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



PROPOSED LEFT SIDE DITCH PROFILE

PROPOSED RIGHT SIDE DITCH PROFILE

PROFILE
SURVEYED
PLOTTED
HORIZ CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



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PEN TABLE: plotlabel.tbl

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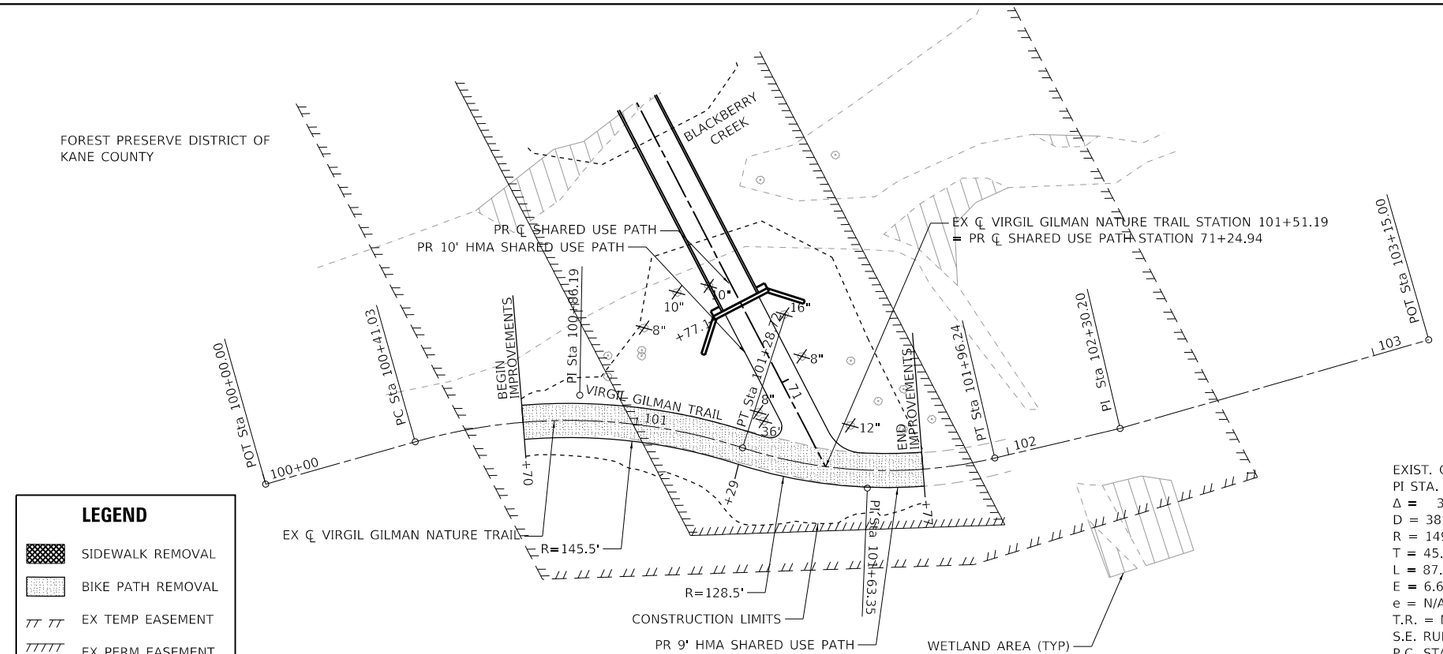
USER NAME = amiller	DESIGNED - JRS	REVISED -
	DRAWN - AJM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JRS	REVISED -
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DITCH PROFILE
BLACKBERRY CREEK – SHARED USE PATH

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 66+00.00 TO STA. 70+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	14
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		

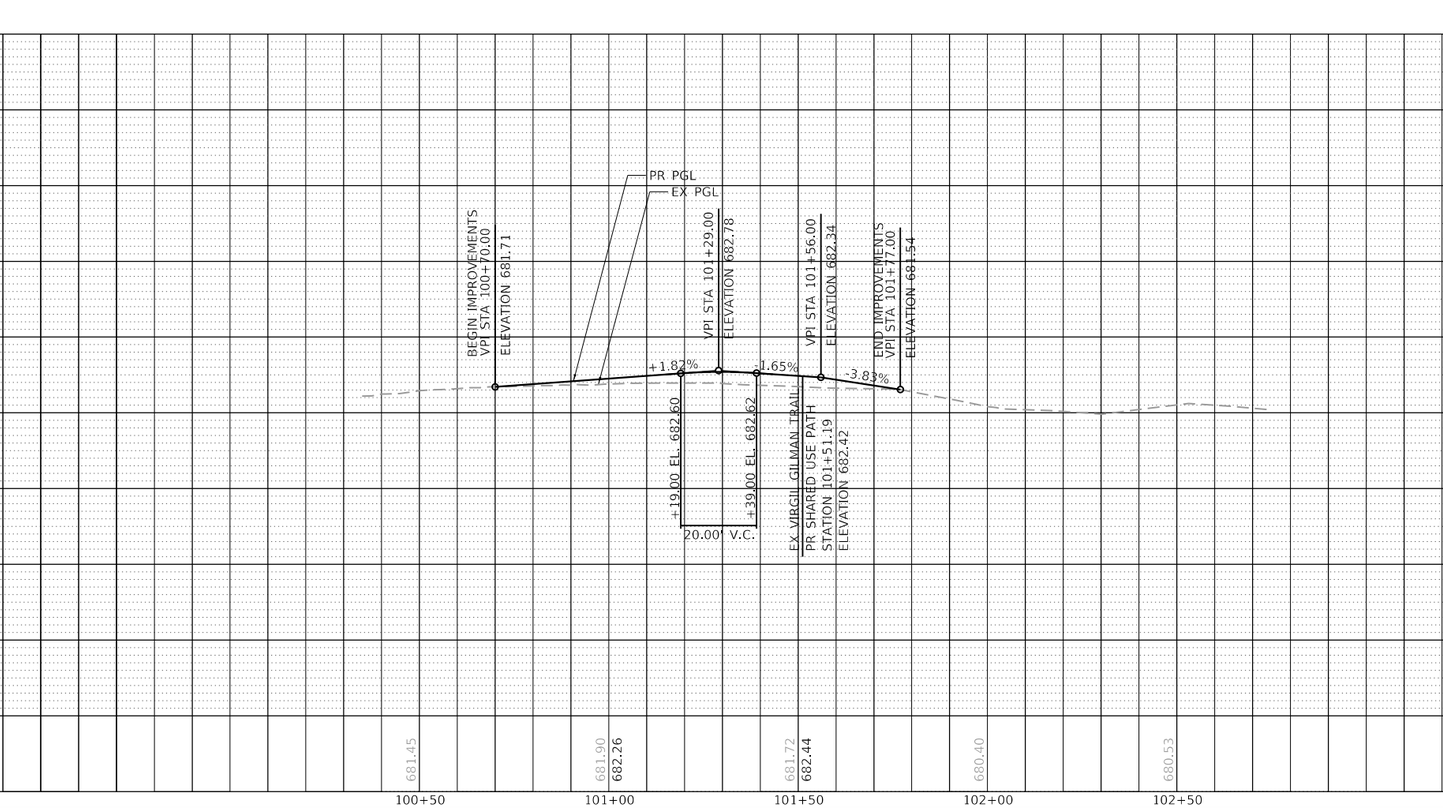


NOTE:
THE WORK ON VIRGIL GILMAN TRAIL SHALL BE COMPLETED UNDER HIGHWAY STANDARD 701801-06. ADDITIONAL SIGNAGE SHALL BE PLACED AT THE TRAILHEAD 1,200 FEET WEST OF THE WORK ZONE AND AT THE TRAILHEAD 5,800 FEET EAST OF THE WORK ZONE OR AS DIRECTED BY THE ENGINEER. THE FOREST PRESERVE DISTRICT OF KANE COUNTY SHALL BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ANY WORK AFFECTING PEDESTRIAN TRAFFIC ON VIRGIL GILMAN TRAIL. THE WORK ON VIRGIL GILMAN TRAIL SHALL BE EXPEDITED TO THE FULLEST EXTENT POSSIBLE WITH FINAL PAVING COMPLETED AND REOPENED TO PEDESTRIAN TRAFFIC IN NO MORE THAN TWO (2) CALENDAR DAYS.

EXIST. CURVE EXVGTRAIL_3
PI STA. = 100+86.19
Δ = 33° 43' 16" (RT)
D = 38° 27' 13"
R = 149.00'
T = 45.16'
L = 87.69'
E = 6.69'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 100+41.03
P.T. STA. = 101+28.72

EXIST. CURVE EXVGTRAIL_6
PI STA. = 101+63.35
Δ = 31° 11' 09" (LT)
D = 46° 12' 23"
R = 124.00'
T = 34.60'
L = 67.49'
E = 4.74'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 101+28.75
P.T. STA. = 101+96.24

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE



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	DRAWN - AJM	REVISED -
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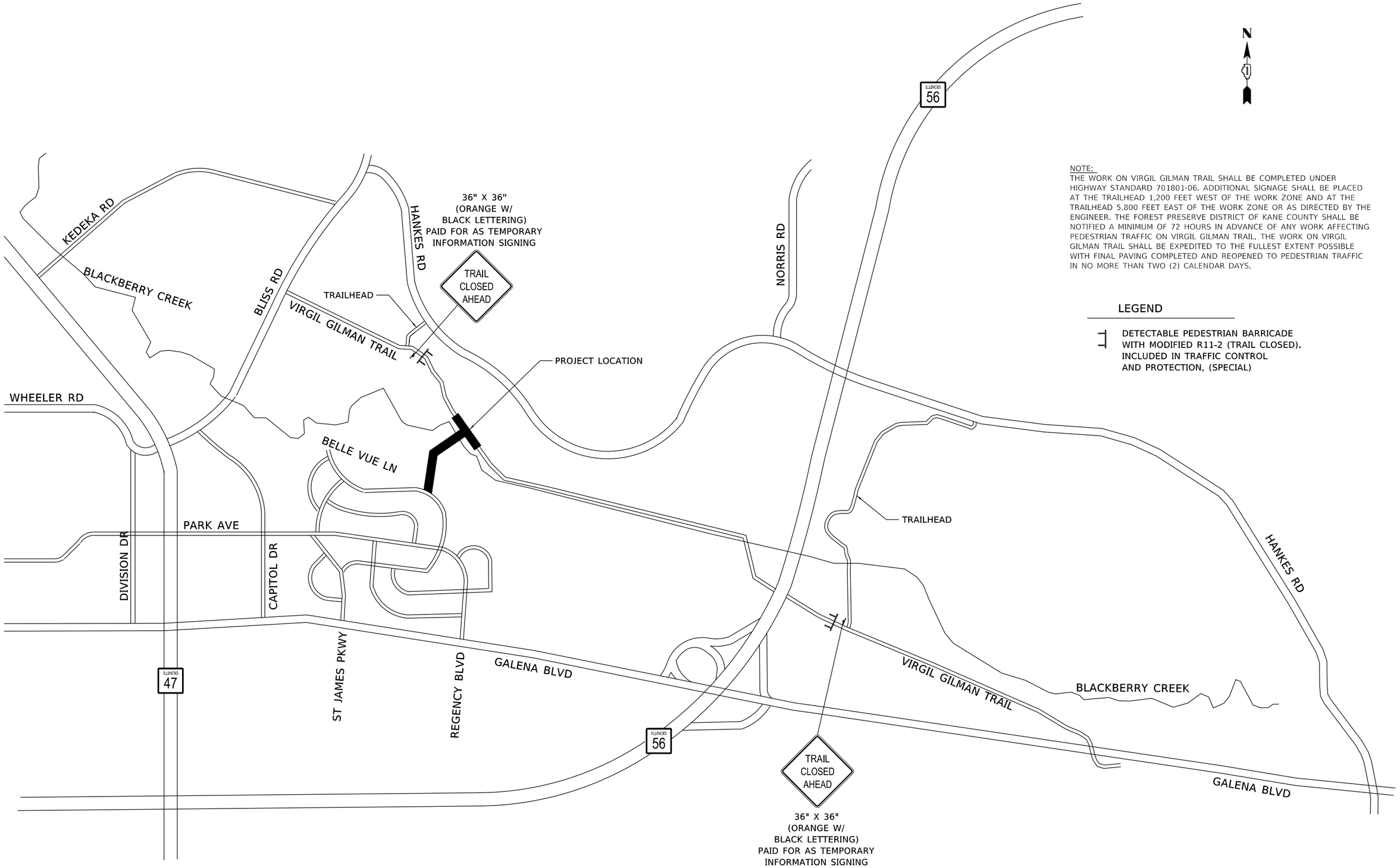
PLOT DATE = 2/23/2024	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
BLACKBERRY CREEK – VIRGIL GILMAN TRAIL

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 100+00.00 TO STA. 103+15.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	15
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			



NOTE:
THE WORK ON VIRGIL GILMAN TRAIL SHALL BE COMPLETED UNDER HIGHWAY STANDARD 701801-06. ADDITIONAL SIGNAGE SHALL BE PLACED AT THE TRAILHEAD 1,200 FEET WEST OF THE WORK ZONE AND AT THE TRAILHEAD 5,800 FEET EAST OF THE WORK ZONE OR AS DIRECTED BY THE ENGINEER. THE FOREST PRESERVE DISTRICT OF KANE COUNTY SHALL BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ANY WORK AFFECTING PEDESTRIAN TRAFFIC ON VIRGIL GILMAN TRAIL. THE WORK ON VIRGIL GILMAN TRAIL SHALL BE EXPEDITED TO THE FULLEST EXTENT POSSIBLE WITH FINAL PAVING COMPLETED AND REOPENED TO PEDESTRIAN TRAFFIC IN NO MORE THAN TWO (2) CALENDAR DAYS.

LEGEND

DETECTABLE PEDESTRIAN BARRICADE WITH MODIFIED R11-2 (TRAIL CLOSED). INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_detour01.dgn
PLOT DRIVER: il_pdf_bw.ptcfg
PEN TABLE: plotlabel.tbl

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	DRAWN - AJM	REVISED -
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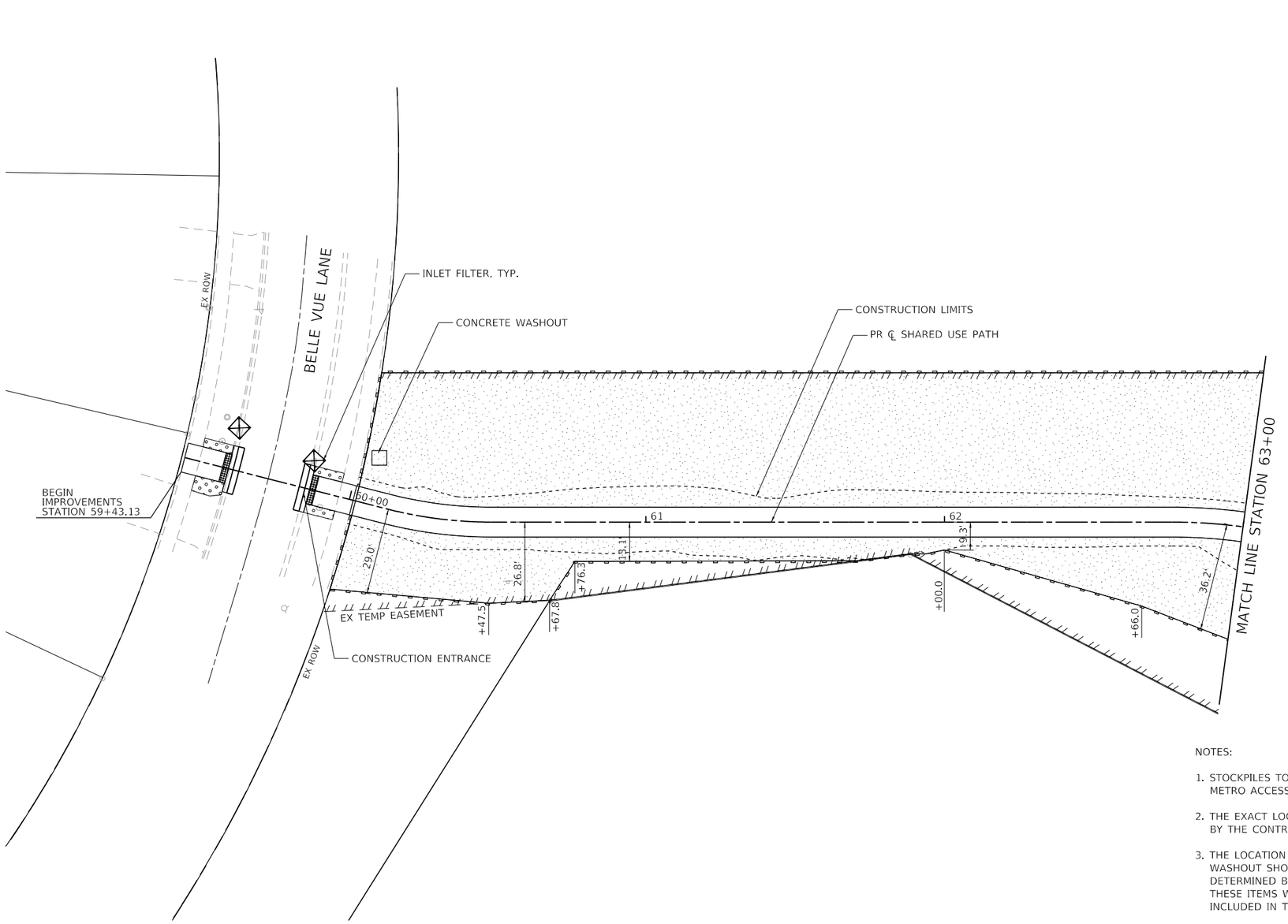
PLOT DATE = 12/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADVANCED WARNING SIGNAGE PLAN
VIRGIL GILMAN TRAIL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	16
		CONTRACT NO. 61K15		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. STOCKPILES TO BE LOCATED WITHIN EASEMENT, SOUTH OF THE FOX METRO ACCESS DRIVE AND WEST OF THE PROPOSED PATH ALIGNMENT.
2. THE EXACT LOCATION AND SIZE OF STOCKPILES TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. THE LOCATION OF THE CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

LEGEND

- PERIMETER EROSION BARRIER
- SEEDING, CLASS 1 WITH EROSION CONTROL BLANKET (SPECIAL)
- SODDING, SALT TOLERANT
- SEEDING, CLASS 4 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL)

HRG PROJECT NO.: 230226i
HRG PROJ. CONTACT:
FILE NAME: 230226i_eros01.dgn
PLOT DRIVER: ...pdf_bw.pltcfg
PEN TABLE: plotlabl.tbl

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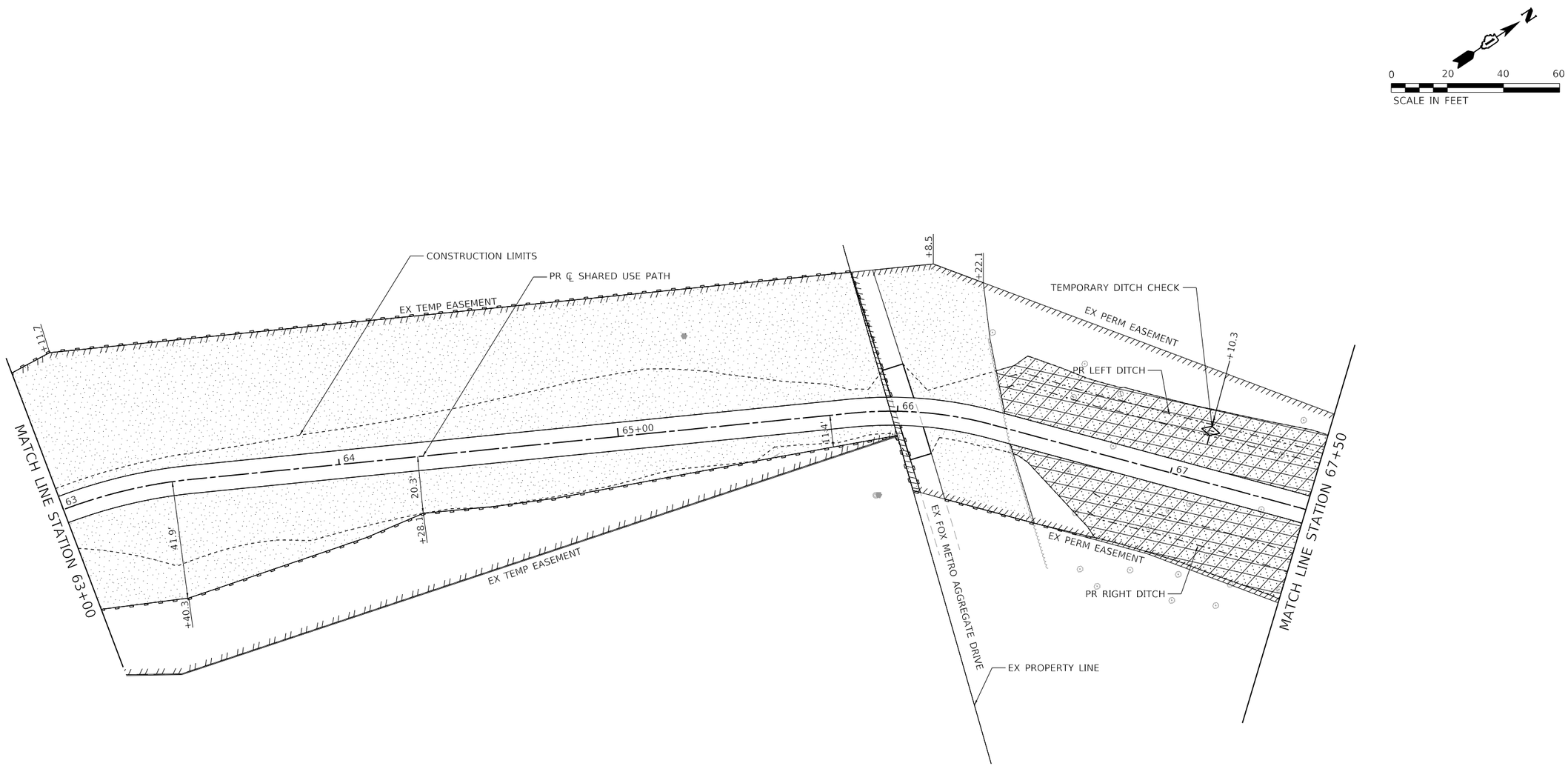
	DRAWN - FID	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JRS	REVISED -
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
BLACKBERRY CREEK – SHARED USE PATH

SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. 59+43.13 TO STA. 63+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	17
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. STOCKPILES TO BE LOCATED WITHIN EASEMENT, SOUTH OF THE FOX METRO ACCESS DRIVE AND WEST OF THE PROPOSED PATH ALIGNMENT.
2. THE EXACT LOCATION AND SIZE OF STOCKPILES TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

LEGEND

- PERIMETER EROSION BARRIER
- SEEDING, CLASS 1 WITH EROSION CONTROL BLANKET (SPECIAL)
- SODDING, SALT TOLERANT
- SEEDING, CLASS 4 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL)

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
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	DRAWN - FID	REVISED -	
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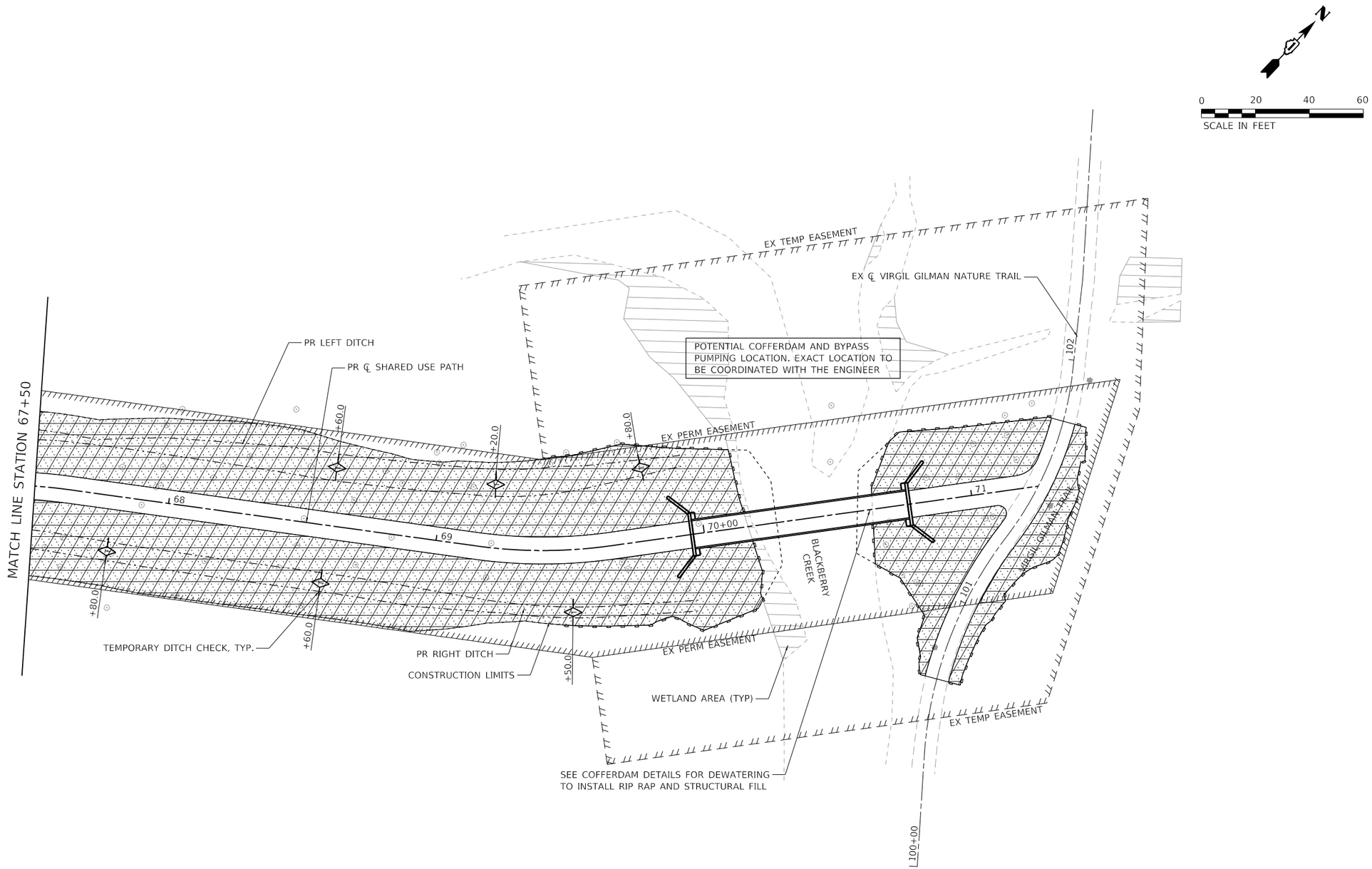
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
BLACKBERRY CREEK – SHARED USE PATH

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 63+00.00 TO STA. 67+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	18
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PERIMETER EROSION BARRIER
- SEEDING, CLASS 1 WITH EROSION CONTROL BLANKET (SPECIAL)
- SODDING, SALT TOLERANT
- SEEDING, CLASS 4 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL)

HRG PROJECT NO.: 230226i
HRG PROJ. CONTACT:
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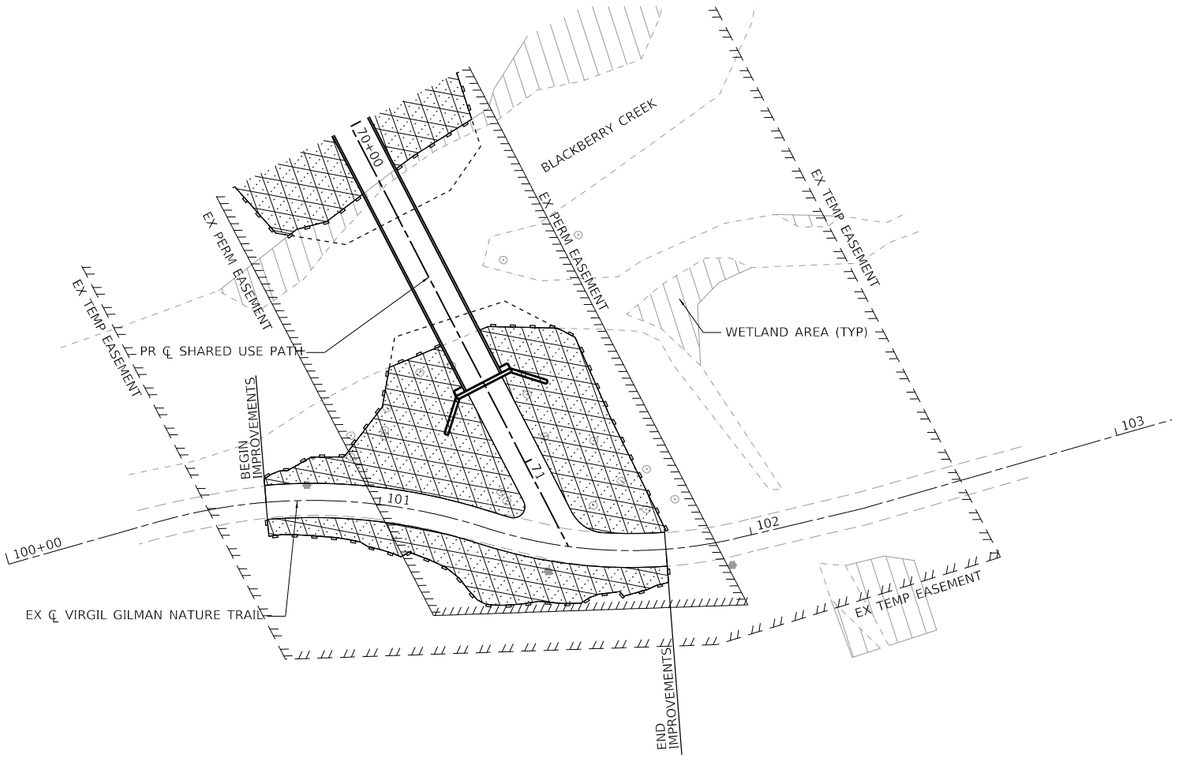
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
BLACKBERRY CREEK – SHARED USE PATH

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. 67+50.00 TO STA. 71+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	19
		CONTRACT NO. 61K15		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PERIMETER EROSION BARRIER
- SEEDING, CLASS 1 WITH EROSION CONTROL BLANKET (SPECIAL)
- SODDING, SALT TOLERANT
- SEEDING, CLASS 4 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL)

HRG PROJECT NO: 230226i
HRG PROJ CONTACT:
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184-001322

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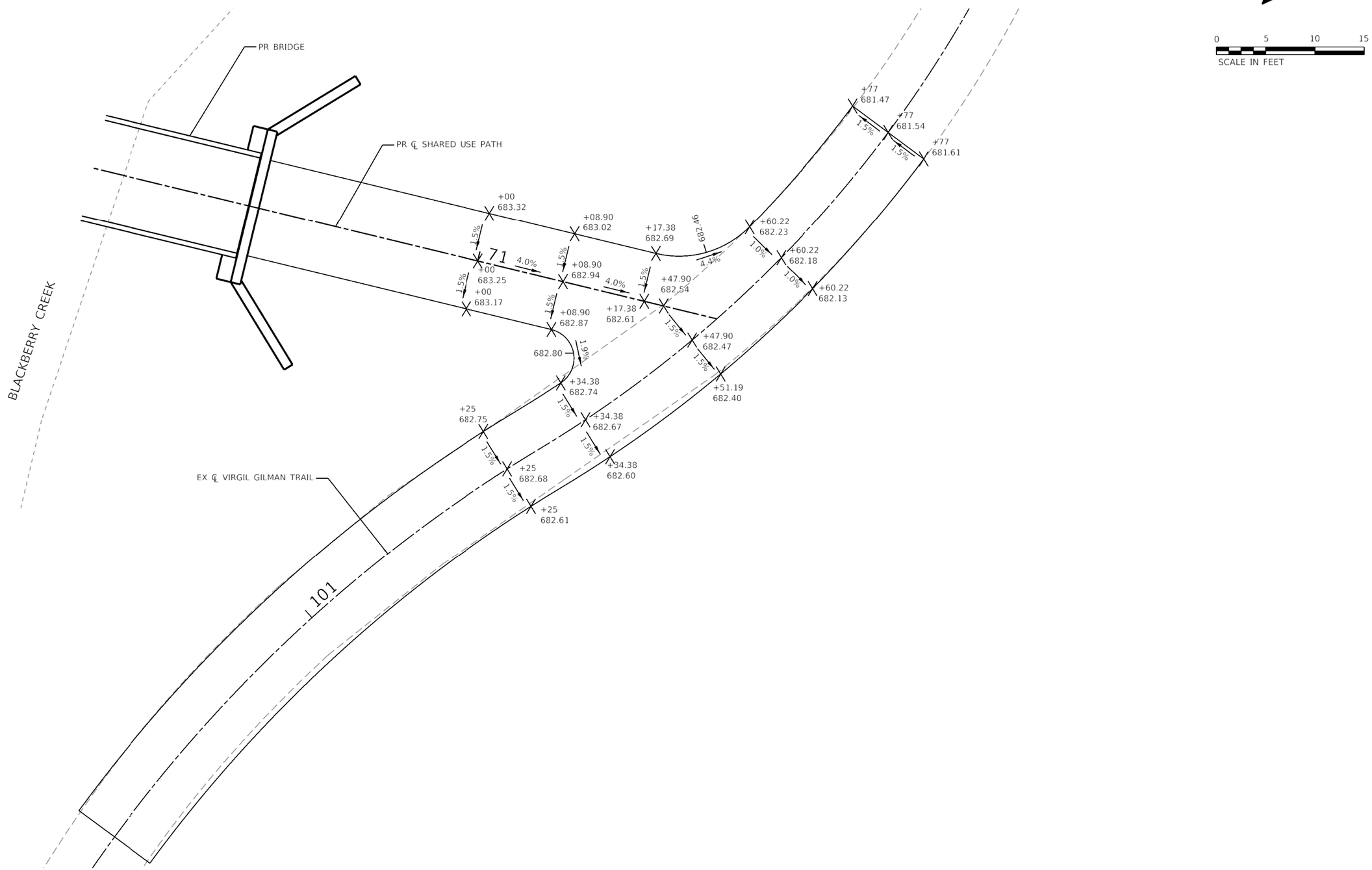
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
BLACKBERRY CREEK – VIRGIL GILMAN TRAIL

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 100+00.00 TO STA. 103+15.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	20
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			



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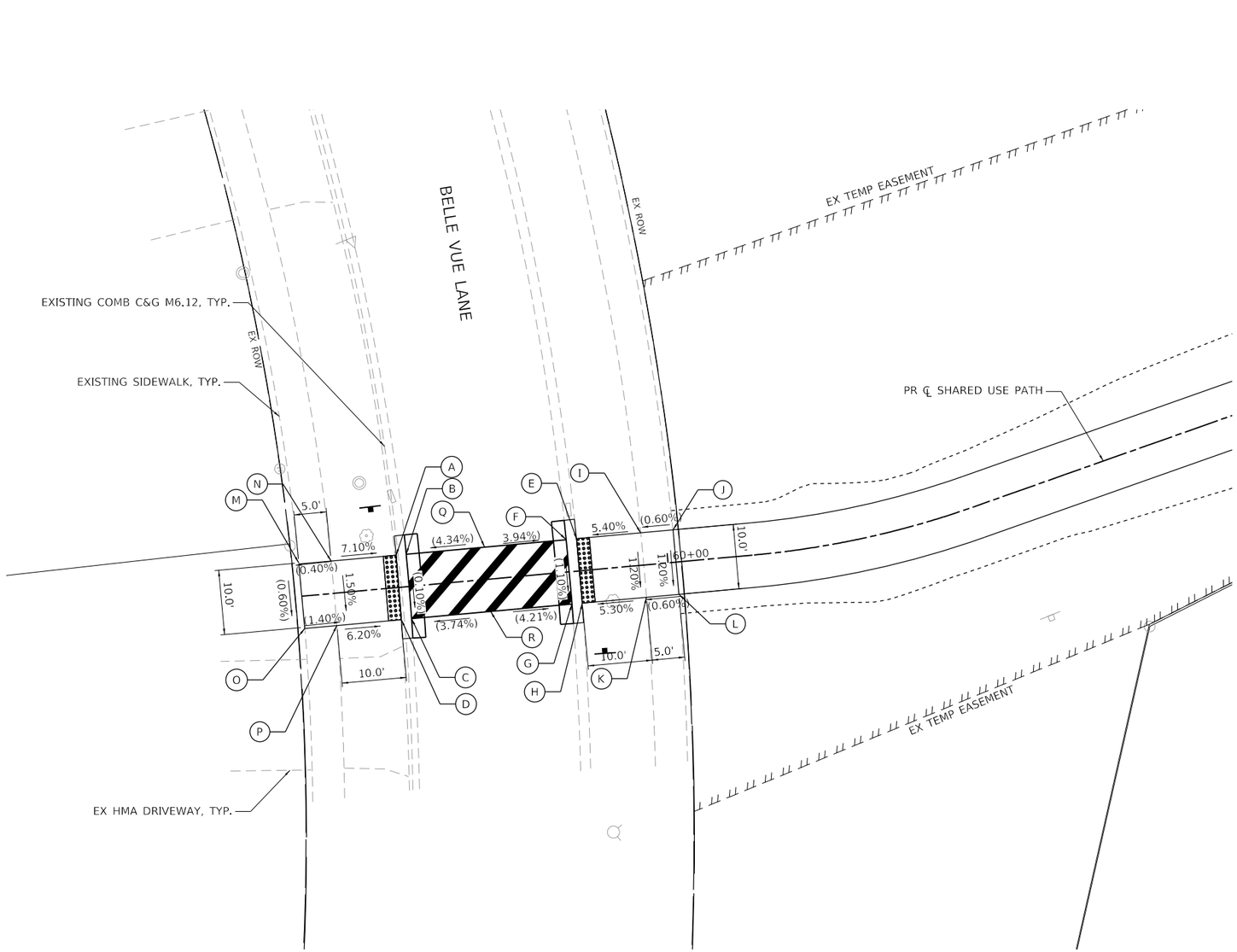
PLOT DATE = 12/1/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION PAVEMENT ELEVATION PLAN
SHARED USE PATH AT VIRGIL GILMAN TRAIL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	21
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			



0 10 20 30

SCALE IN FEET

	STATION	OFFSET	ELEVATION
A	59+56.70	5.00' LT	688.41
B	59+58.29	5.00' LT	(688.42)
C	59+59.09	5.00' RT	(688.41)
D	59+57.50	5.00' RT	688.40
E	59+86.26	5.00' LT	688.44
F	59+84.64	5.00' LT	(688.45)
G	59+84.64	5.00' RT	(688.34)
H	59+86.26	5.00' RT	688.33
I	59+96.22	5.00' LT	(688.98)
J	60+01.24	5.00' LT	(689.01)
K	59+96.22	5.00' RT	(688.86)
L	60+01.24	5.00' RT	(688.89)
M	59+42.02	4.52' LT	(689.10)
N	59+46.57	5.00' LT	(689.12)
O	59+42.49	5.44' RT	(689.04)
P	59+47.49	5.00' RT	(688.97)
Q	59+71.96	5.00' LT	(688.95)
R	59+71.99	5.00' RT	(688.87)

HRG PROJECT NO.: 230226i
HRG PROJ. CONTACT:
FILE NAME: 230226i_ada0i.dgn
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PEN TABLE: pio1label.tbl

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Illinois Professional Design Firm
184-001322

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PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA PLAN
SHARED USE PATH AT BELLE VUE LANE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	22
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		

Benchmark: Mag Nail in exist. Bike Path North of the creek just east of Proposed bike path connection.
Elev. 681.81

Existing Structure: None

No Salvage

WATERWAY INFORMATION

Drainage Area = 26.6 sq. mi.			Prop. Overtopping Elev. 682.73 @ Sta. 18+97.69						
Flood	Freq. Yr.	Q C.F.S.	Opening Ft²		Nat. H.W.E.	Head – Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	998		433	680.19		0.0		680.22
Design	50	1,651		615	681.57		0.0		681.61
Base	100	1,982		675	682.07		0.1		682.15
Overtopping									
Max Calc.	500	2,890		783	683.00		0.2		683.23

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)		
	S. Abut.	N. Abut.	Item 113
Design	676.5	676.5	8
Check	676.5	676.5	

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition
2009 AASHTO LRFD Guide Specifications for Design of Pedestrian Bridges, 2nd Edition with 2015 Interims

DESIGN STRESSES

FIELD UNITS

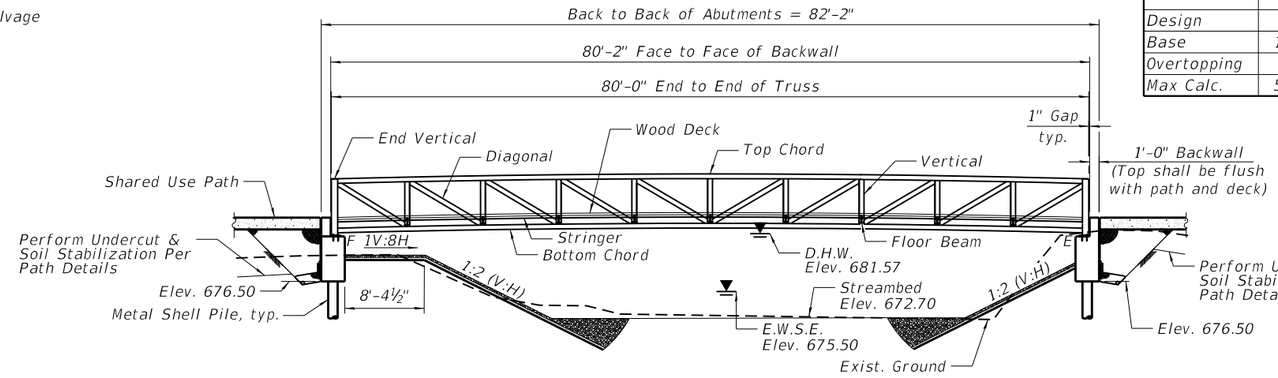
f'c = 1,300 psi min. (Wood Deck)
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

LOADING

H10 Truck
90 psf Pedestrian Load

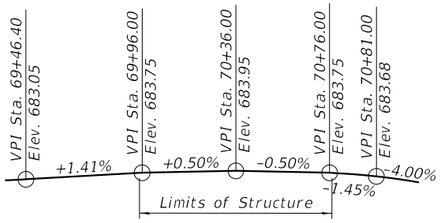
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.106g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.171g
Soil Site Class = D



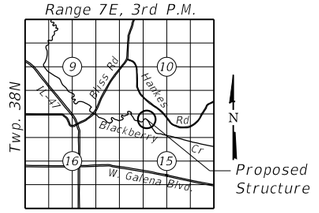
ELEVATION

(at ℄ Structure)

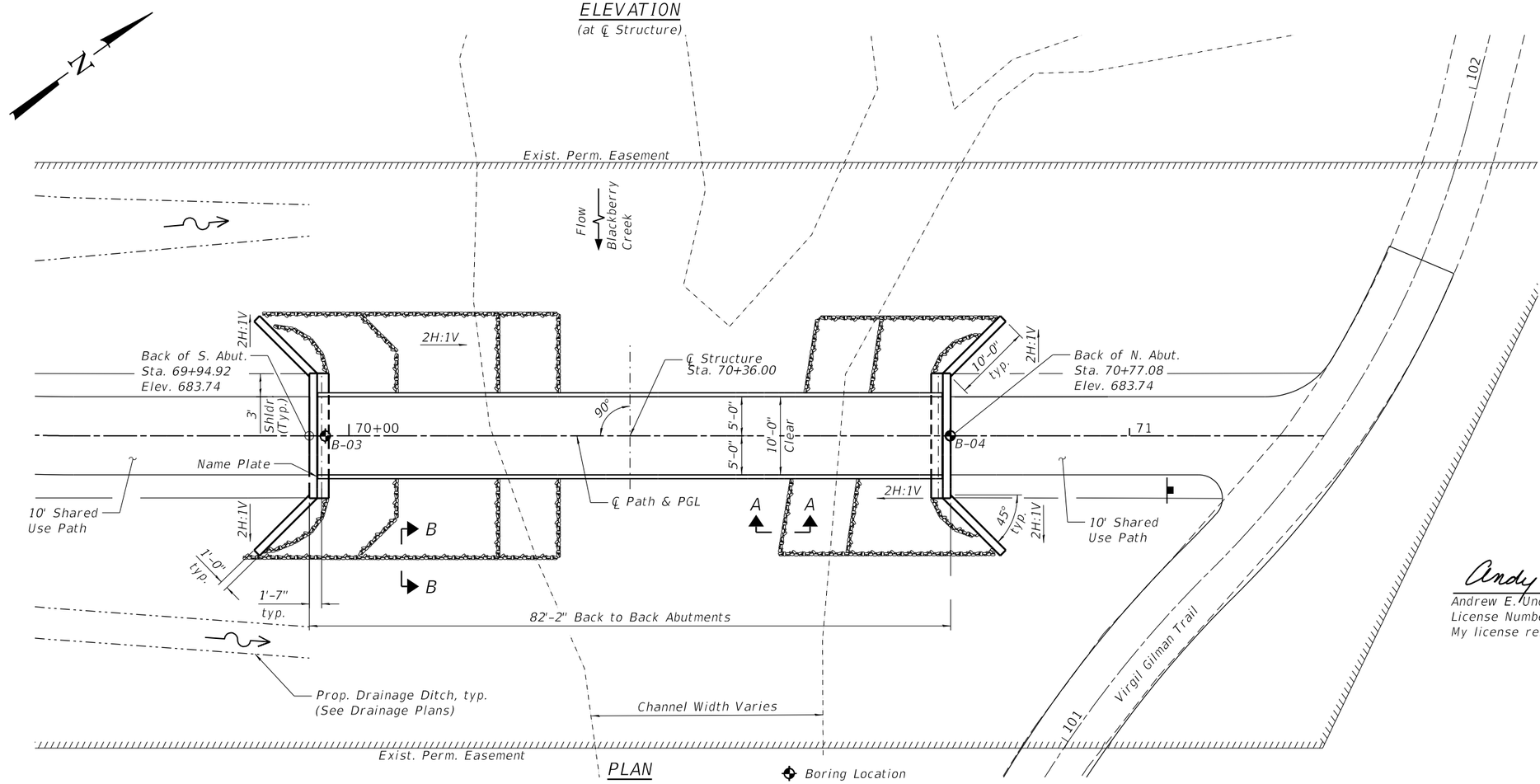


PROFILE GRADE

(Along PGL & ℄ Path)



LOCATION SKETCH



PLAN

Boring Location

Andy Underwager 11/16/2023
Andrew E. Underwager, S.E. Date
License Number: 081-006218
My license renewal date is November 30, 2024.

STATE OF ILLINOIS
ANDREW E. UNDERWAGER
081-006218
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

GENERAL PLAN
PEDESTRIAN BRIDGE OVER BLACKBERRY CREEK
KANE COUNTY
STATION 70+36.00

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_Str_GPE.dgn
PLOT DRIVER: IL_pdf_bw.pltcfg
PEN TABLE: plotlabel.tbl

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	CHECKED – SLS	REVISED -
PLOT SCALE =	DRAWN – WJH	REVISED -
PLOT DATE = 11/21/2023	CHECKED – AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
PEDESTRIAN BRIDGE OVER BLACKBERRY CREEK
SHEET NO. S-1 OF S-5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00030-00-BT	KANE	39	23
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

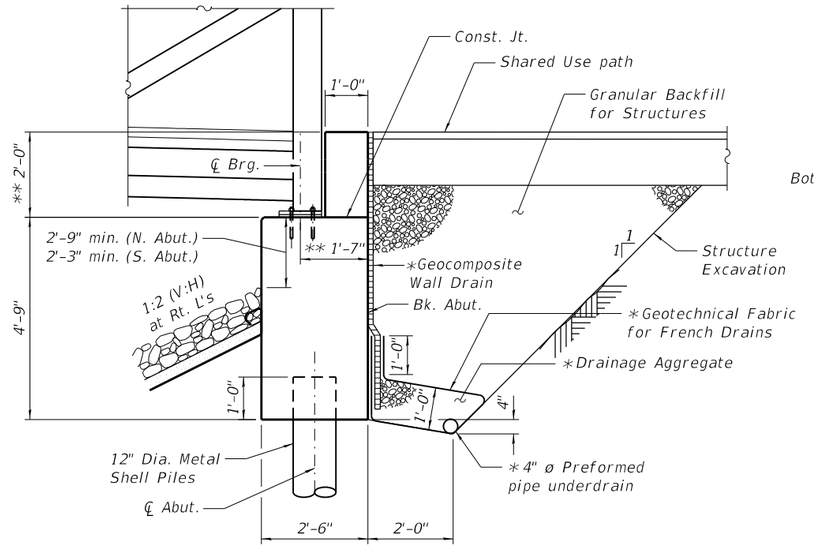
GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Concrete Sealer shall be applied to the designated areas of the abutments.
3. Truss shall not use weathering steel, instead, steel shall meet the requirements for AASHTO M270 Grade 50. Fasteners shall be mechanically galvanized high-strength bolts in accordance with the requirements of Article 1006.08(a) of the Standard Specifications. Bolt size shall be determined by Predestrian Truss Superstructure Manufacturer. Where special provisions and these plans differ, these plans shall govern.
4. Truss and appurtenances shall be painted using a three coat organic zinc rich system that conforms to Section 1008.05 of the Standard Specification. The entire system shall be shop applied with exception of areas to be masked off for connections and/or pick points. Masked off areas and damaged areas shall be touched up in the field. Finish color shall be per Owner's selection. A sample of steel truss painted the exact same color shall be submitted to the Engineer for approval prior to painting any truss elements. Cost of Painting is included with Pedestrian Truss Superstructure.
5. The substructure is designed per the current AASHTO LRFD Bridge Design Specifications and is based on the assumed bridge reactions shown in the table. If the manufacturer's design exceeds those loads and/or the substructure dimensions need to be adjusted to accommodate the truss superstructure chosen, then the Contractor shall submit the redesign to the Engineer for review and approval prior to ordering material or starting construction. The Contractor's responsibility shall include the submittal of shop drawings for the revised reinforcement bar layout and quantities, abutment cap and backwall dimensions, and, if requested, updated design calculations for the foundations signed and sealed by an Illinois Licensed Structural Engineer.
6. Bridge bearing seat elevations are subject to revision based on the approved pedestrian truss superstructure shop drawings.
7. Design of pedestrian bridge shall accommodate anticipated dead and live load deflections so that the bridge profile matches the PGL in its final position.
8. All temporary support systems, cribbing, crane platforms, and other temporary works necessary for the erection of the superstructure shall be included with the cost of Pedestrian Truss Superstructure. Shop drawings for all temporary works shall be submitted to the Engineer for approval.
9. No field welding is permitted except as specified in the contract documents.

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL QUANTITY
Stone Riprap, Class A4	Sq Yd		203	203
Filter Fabric	Sq Yd		211	211
Structure Excavation	Cu Yd		133	133
Removal and Disposal of Unsuitable Material for Structures	Cu Yd		133	133
Concrete Structures	Cu Yd		26.2	26.2
Reinforcement Bars, Epoxy Coated	Pound		3,916	3,916
Furnishing Metal Shell Piles 12" x 0.250"	Foot		120	120
Driving Piles	Foot		120	120
Test Pile Metal Shells	Each		1	1
Name Plates	Each	1		1
Granular Backfill for Structures	Cu Yd		86	86
Concrete Sealer	Sq Ft		208	208
Pipe Underdrains For Structures (Special) 4"	Foot		136	136
Pedestrian Truss Superstructure	Sq Ft	822		822

INDEX OF SHEETS

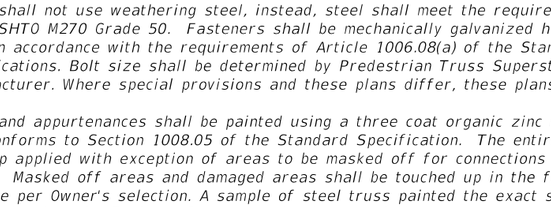


SECTION THRU STUB ABUTMENT

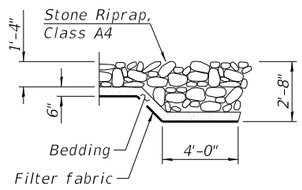
(N. Abut. shown, S. Abut. similar)

* All drainage system components shall extend 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The outlet pipe(s) shall drain into concrete headwalls (See Article 601.05 of the Standard Specifications and Highway Standard 601101). All work shall be included in cost of PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4".

** Final anchor bolt locations and backwall height to be Verified by pedestrian truss supplier.



SECTION A-A

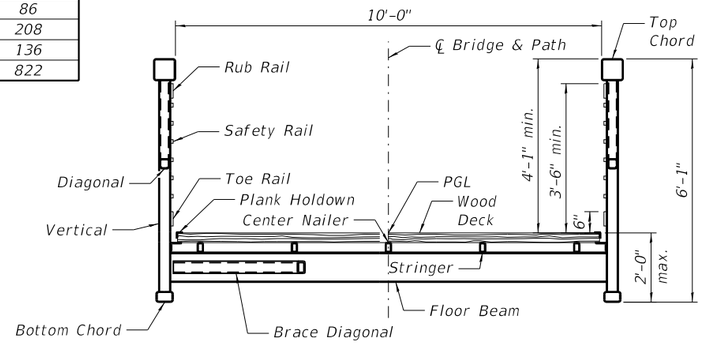


SECTION B-B

BLACKBERRY CREEK
BUILT BY
SUGAR GROVE PARK DISTRICT
20__
SECT. NO. 18-00030-00-BT
90 PSF / H10 TRUCK

NAME PLATE

See Std. 515001



BRIDGE SECTION

Bridge cross section is for refernce only. Truss Manufacturer is responsible for final design, dimensions & details. Wood decking shall be preservative treated timber that is equivalent to 3x12 Select Structural Douglas Fir, or, 3x10 Southern Yellow Pine. Preservative treatment and fasteners shall comply with Article 1007.12 of the IDOT Standard Specifications.

BRIDGE REACTIONS		+ Downward Load - Upward Load		
		P (LBS)	H (LBS)	L (LBS)
Dead Load		6,700		
Uniform Live Load		18,000		
Vehicle Load		5,000		
Wind Uplift	Windward	-6,500		
20 PSF	Leeward	-2,167		
Wind		±2680	7,995	
Thermal				1,005
Buoyance Uplift		-15,650		
Ice			5,500	
Water			2,700	

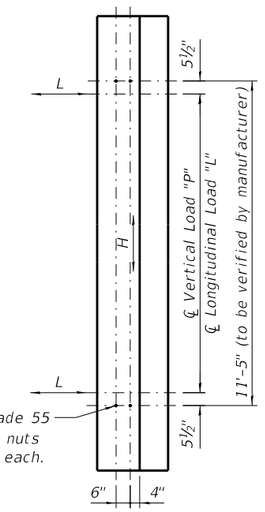
"P" - Vertical Load Each Base Plate (4 per Bridge)
"H" - Horizontal Load Each Footing (2 per Bridge)
"L" - Longitudinal Load Each Base Plate (4 per Bridge)

Bridge Lifting Weight: 26,800 LBS

Buoyancy force assumes debris jams present during 500 yr flood to create uniform pressure on full deck area for depth of water above low chord.

Unfactored bridge reactions table information is for reference only. Pedestrian Truss manufacturer is responsible for final design loads.

Anchor bolt sizes, layout and locations are shown for general reference. Pedestrian Truss Manufacturer shall be responsible for final anchor bolt sizes, layouts and locations with dimensioned referenced to abutment backwall and abutment centerline(s).



BRIDGE REACTION PLAN

HRG PROJECT NO.: 230226i
HRG PROJ. CONTACT:
FILE NAME: 230226i_Str_Gen.dgn
PLOT DRIVER: IL_pdf_bw_ltcfg
PEN TABLE: plotstbls.tbl

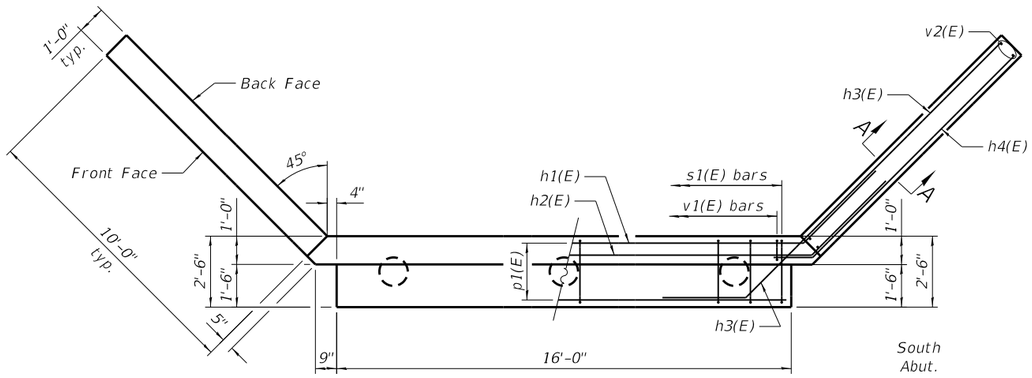
HRGreen
HRGreen.com
Illinois Professional Design Firm #184-001322

USER NAME = amiller | DESIGNED - JMW | REVISED -
CHECKED - SLS | REVISED -
PLOT SCALE = | DRAWN - WJH | REVISED -
PLOT DATE = 11/21/2023 | CHECKED - AEU | REVISED -

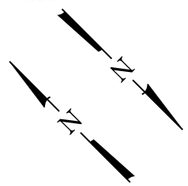
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
PEDESTRIAN BRIDGE OVER BLACKBERRY CREEK
SHEET NO. S-2 OF S-5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00030-00-BT	KANE	39	24
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		

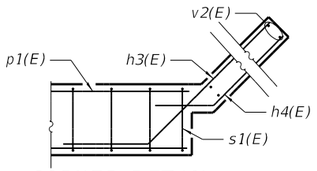


PLAN

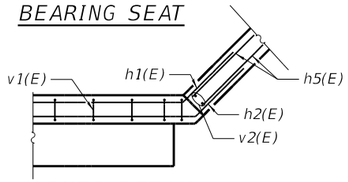


South Abut.

North Abut.



CORNER DETAIL
BEARING SEAT



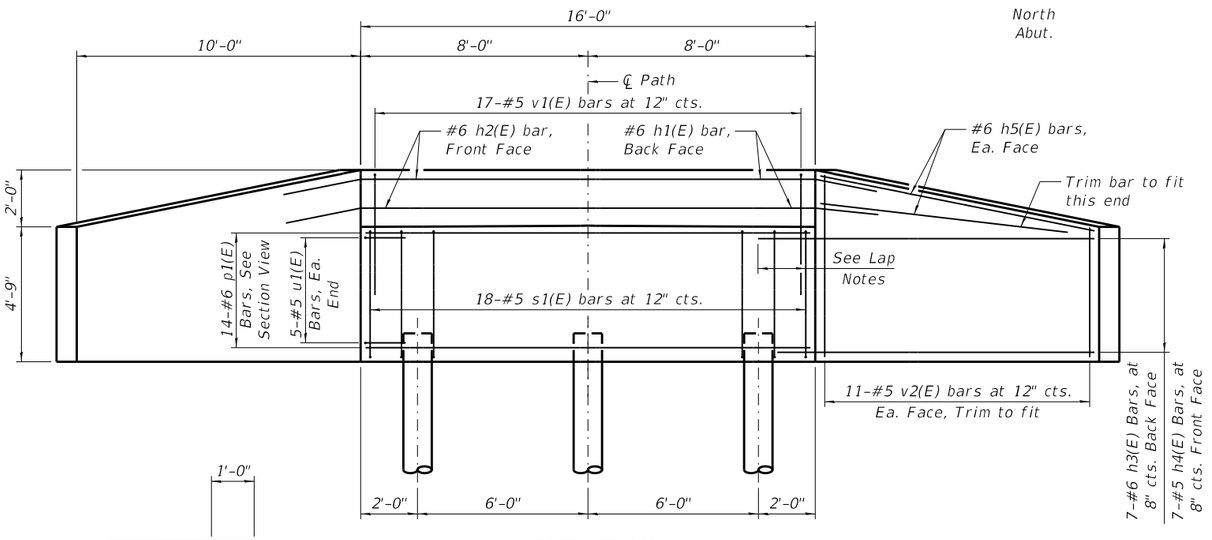
CORNER DETAIL
BACKWALL

SOUTH ABUTMENT
BILL OF MATERIAL

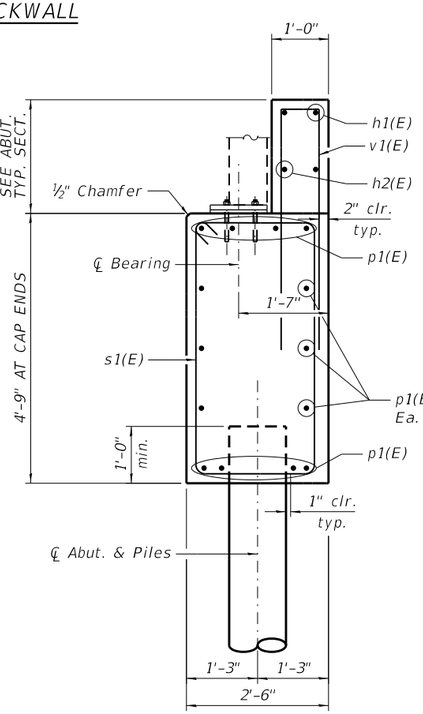
Bar	No.	Size	Length	Shape
h1(E)	2	#6	25'- 8"	
h2(E)	2	#6	26'- 4"	
h3(E)	14	#6	16'- 8"	
h4(E)	14	#5	13'- 9"	
h5(E)	8	#6	9'- 11"	
p1(E)	14	#6	15'- 8"	
s1(E)	18	#5	13'- 11"	
u1(E)	10	#5	6'- 6"	
v1(E)	17	#5	10'- 0"	
v2(E)	44	#5	6'- 5"	
Concrete Structures			Cu. Yd.	13.1
Reinforcement Bars, Epoxy Coated			Pound	1,958
Furnishing Metal Shell Piles 12" dia. x 0.250 in.			Foot	72
Driving Piles			Foot	72
Concrete Sealer			Sq. Ft.	80

NORTH ABUTMENT
BILL OF MATERIAL

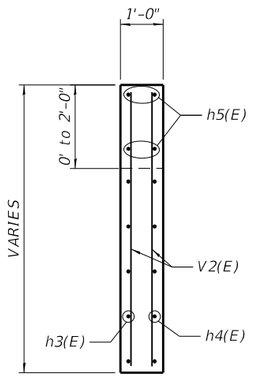
Bar	No.	Size	Length	Shape
h1(E)	2	#6	25'- 8"	
h2(E)	2	#6	26'- 4"	
h3(E)	14	#6	16'- 8"	
h4(E)	14	#5	13'- 9"	
h5(E)	8	#6	9'- 11"	
p1(E)	14	#6	15'- 8"	
s1(E)	18	#5	13'- 11"	
u1(E)	10	#5	6'- 6"	
v1(E)	17	#5	10'- 0"	
v2(E)	44	#5	6'- 5"	
Concrete Structures			Cu. Yd.	13.10
Reinforcement Bars, Epoxy Coated			Pound	1,958
Furnishing Metal Shell Piles 12" dia. x 0.250 in.			Foot	48
Driving Piles			Foot	48
Test Piles			Each	1
Concrete Sealer			Sq. Ft.	80



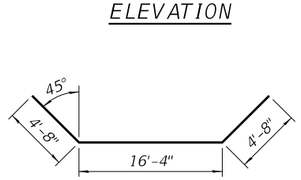
ELEVATION



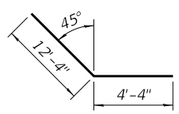
SECTION THRU ABUTMENT



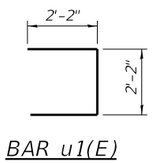
SECTION A-A
THRU WINGWALL



BAR h1(E)

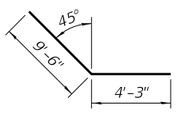


BAR h3(E)



BAR u1(E)

BAR h2(E)



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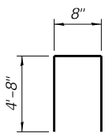
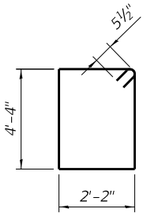
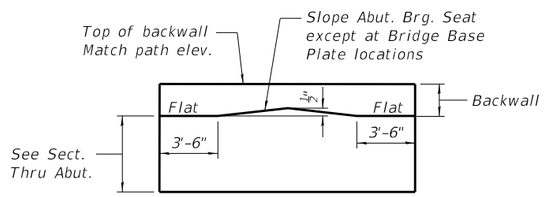


BAR v1(E)



BAR s1(E)



ABUTMENT CAP SLOPE

SOUTH ABUTMENT
PILE DATA

Type & Size: Metal Shell – 12" x 0.25"
Nominal Required Bearing: 236 Kips
Factored Resistance Available: 129 Kips
Est. Length: 24 Feet
No. Production Piles: 3
No. Test Piles: 0

NORTH ABUTMENT
PILE DATA

Type & Size: Metal Shell – 12" x 0.25"
Nominal Required Bearing: 236 Kips
Factored Resistance Available: 129 Kips
Est. Length: 24 Feet
No. Production Piles: 2
No. Test Piles: 1

LAP LENGTHS

#5 Bars = 3'-7"
#6 Bars = 4'-4"

HRG PROJECT NO: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_Str_Abut_Details.dgn
PLOT DRIVER: IL.pdf_bw.pltcfg
PEN TABLE: plotdebk.tbl

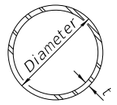
HRGreen.com
Illinois Professional Design Firm # 184-001322

USER NAME = amiller	DESIGNED – JMW	REVISED -	
	CHECKED – SLS	REVISED -	
PLOT SCALE =	DRAWN – WJH	REVISED -	
PLOT DATE = 11/21/2023	CHECKED – AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

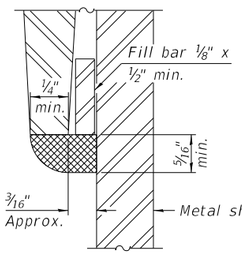
ABUTMENT DETAILS
PEDESTRIAN BRIDGE OVER BLACKBERRY CREEK
SHEET NO. S-3 OF S-5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00030-00-BT	KANE	39	25
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

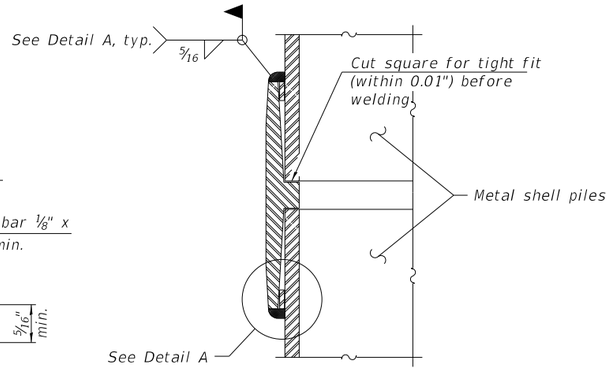


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.³/ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470

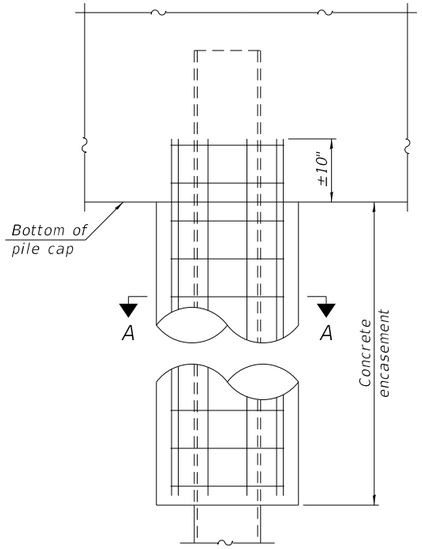


DETAIL A

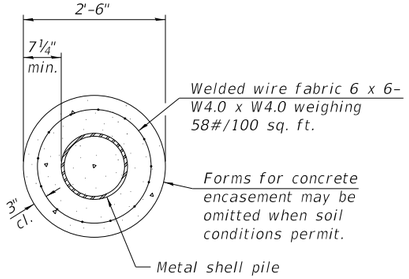


WELDED COMMERCIAL SPLICE

Notes:
The ⅛" x ½" min. fill bar may be constructed of 2 bars with a ⅛" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



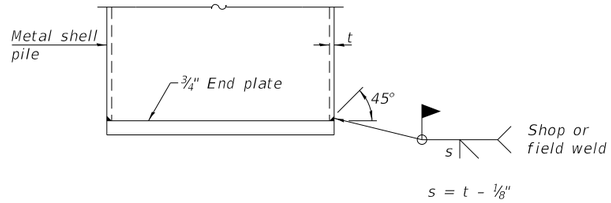
ELEVATION



SECTION A–A

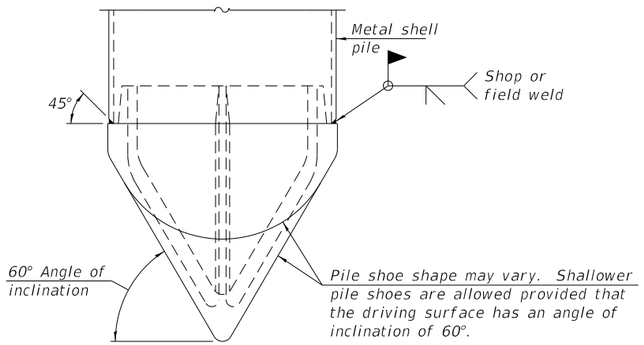
INDIVIDUAL PILE CONCRETE ENCASEMENT

(When specified)



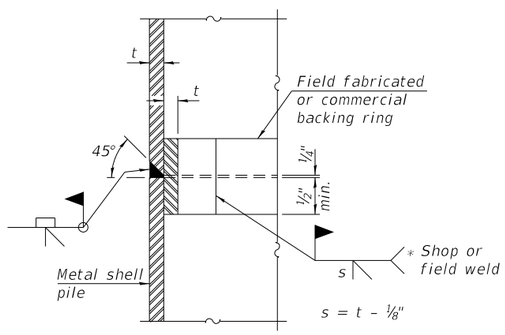
s = t – ⅛"

END PLATE ATTACHMENT



PILE SHOE ATTACHMENT

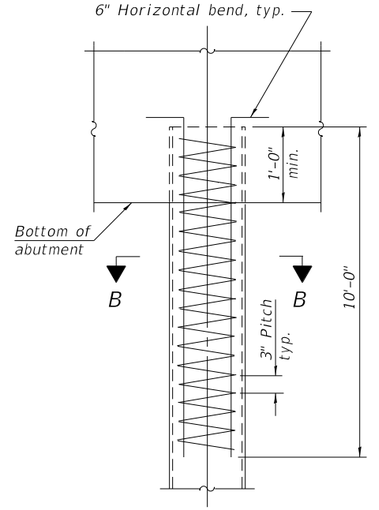
(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80–50 or AASHTO M 103 Grade 65–35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



s = t – ⅛"

COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



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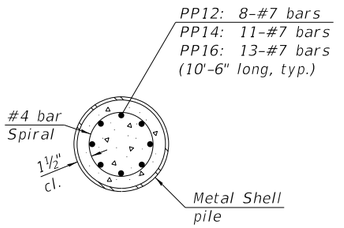

SECTION B–B

REINFORCEMENT AT ABUTMENTS

(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F–MS 2–1–2023

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_Str_Pile_Details.dgn
PLOT DRIVER: L_pdf_bw.pltcfg
PEN TABLE: pltables.tbl

HRGreen.com
Illinois Professional Design Firm # 184-001322

USER NAME = amiller	DESIGNED – JMW	REVISED -	
	CHECKED – SLS	REVISED -	
PLOT SCALE =	DRAWN – WJH	REVISED -	
PLOT DATE = 11/21/2023	CHECKED – AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

METAL SHELL PILE DETAILS
PEDESTRIAN BRIDGE OVER BLACKBERRY CREEK
SHEET NO. S-4 OF S-5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00030-00-BT	KANE	39	26
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

rubino ENGINEERING INC.

Rubino Engineering, Inc.
665 Tollgate Road, Unit H
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING B-03

Sheet 1 of 1

Rubino Job No.:	G18.020	Drilling Method:	3 ¼ Hollow Stem Auger	WATER LEVELS	
Project:	Pedestrian Bridge & Trail	Sampling Method:	Split Spoon	While Drilling	11 FT
Location:	Blackberry Creek	Hammer Type:	Automatic	Upon Completion	N/A
City, State:	Sugar Grove, Illinois	Boring Location:	Bridge Abutment	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: 19+94
Offset: 0' RT

Surface Elev.: 679.15 ft

Elevation (feet)	Depth, (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	DCP Blows per 6-inch (SS)	Moisture, %	Additional Remarks
	0	1	8	Black and dark gray, silty CLAY with organics, trace sand and gravel	CL	0,2,2 N=4	41	7% Organic Content
675	5	2	7	Medium stiff to hard; Gray, sandy clayey SILT, trace gravel		2,2,4 N=6	30	Qp=0.8 tsf
		3	16			3,3,3 N=6	11	Qp=1.5 tsf
670	10	4	18	Increased gravel observed at approximately 8½' to 10'		4,4,5 N=9	9	Qp=2.0 tsf
		5	13			5,7,8 N=15	10	Qp=3.0 tsf
665	15	6	18	Increased gravel observed at approximately 11' to 14½'. Wet	ML	6,8,12 N=20	10	Qp=3.5 tsf LL = 16 PL = 13
		7	18			5,12,13 N=25	10	Qp=3.5 tsf
660	20	8	15			8,11,16 N=27	11	Qp=3.5 tsf
		9	16			11,14,22 N=36	10	>>>Qp=4.5 tsf
655	25	10	16			8,13,20 N=33	11	Qp=3.5 tsf
		11	10	Heaving sands observed at approximately 26' Dense; Wet, gravelly SAND with silt	SP-SM	14,16,18 N=34	10	
650	30	12	14	End of boring at approximately 30 feet below existing grade.		13,16,25 N=41	9	

STANDARD PENETRATION TEST DATA
Moisture; PL; LL; 0 25 50
STRENGTH, tsf
Qu; Qp; 0 2.0 4.0

Completion Depth:	30.0 ft	Sample Types:	Latitude: 41.779270
Date Boring Started:	4/23/18	Auger Cutting; Shelby Tube	Longitude: -88.428849
Date Boring Completed:	4/23/18	Split-Spoon; Hand Auger	Drill Rig: Geoprobe 7822DT
Logged By:	J.W.	Rock Core; Texas Cone	Remarks: Shelby tubes taken from adjacent boring locations.
Drilling Contractor:	Rubino Engineering, Inc.		

The stratification lines represent approximate boundaries. The transition may be gradual.

rubino ENGINEERING INC.

Rubino Engineering, Inc.
665 Tollgate Road, Unit H
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING B-04

Sheet 1 of 1

Rubino Job No.:	G18.020	Drilling Method:	3 ¼ Hollow Stem Auger	WATER LEVELS	
Project:	Pedestrian Bridge & Trail	Sampling Method:	Split Spoon	While Drilling	25.5 FT
Location:	Blackberry Creek	Hammer Type:	Automatic	Upon Completion	N/A
City, State:	Sugar Grove, Illinois	Boring Location:	Bridge Abutment	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: 20+74
Offset: 0' RT

Surface Elev.: 682.88 ft

Elevation (feet)	Depth, (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	DCP Blows per 6-inch (SS)	Moisture, %	Additional Remarks
	0	1	16	Black and dark brown, silty clay with organics, sand, and gravel		1,2,2 N=4	34	
680	5	2	6			2,2,4 N=6	41	8% Organic Content
		3	18			1,1,1 N=2	46	
675	10	4				1,0,1 N=1		No Recovery
		5	18	Stiff; Dark, gray, silty CLAY/clayey SILT, trace gravel 1" sand seam observed at 12½'	CL-ML	4,4,5 N=9	18	Qp=3.5 tsf
670	15	6	4	Medium to Stiff; Gray, Sandy clayey SILT, trace gravel		4,5,9 N=14	10	Qp=3.0 tsf
		7	12			4,3,6 N=9	14	
665	20	8	16		ML	3,3,5 N=8	11	Qp=3.5 tsf
		9	18			3,4,5 N=9	11	Qp=2.5 tsf
660	25	10	18	Increasing gravel at 23 ½'		6,7,13 N=20	11	Qp=3.0 tsf
		11	10	Dense; Wet SAND with gravel	SP	17,13,18 N=31	9	
655	30	12	16	End of boring at approximately 30 feet below existing grade.		12,14,17 N=31	11	

STANDARD PENETRATION TEST DATA
Moisture; PL; LL; 0 25 50
STRENGTH, tsf
Qu; Qp; 0 2.0 4.0

Completion Depth:	30.0 ft	Sample Types:	Latitude: 41.779400
Date Boring Started:	4/23/18	Auger Cutting; Shelby Tube	Longitude: -88.428678
Date Boring Completed:	4/23/18	Split-Spoon; Hand Auger	Drill Rig: Geoprobe 7822DT
Logged By:	J.W.	Rock Core; Texas Cone	Remarks: Shelby tubes taken from adjacent boring locations.
Drilling Contractor:	Rubino Engineering, Inc.		

The stratification lines represent approximate boundaries. The transition may be gradual.

HRG PROJECT NO.: 230226i
HRG PROJ. CONTACT:
FILE NAME: 230226i_Str_Blog.dgn
PLOT DRIVER: IL_pdf_bw_ptb.tbl
PEN TABLE: plotTable.tbl

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Illinois Professional Design Firm
184-001322

USER NAME = amiller		DESIGNED – JMW		REVISED -	
		CHECKED – SLS		REVISED -	
PLOT SCALE =		DRAWN – WJH		REVISED -	
PLOT DATE = 11/21/2023		CHECKED – AEU		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
PEDESTRIAN BRIDGE OVER BLACKBERRY CREEK
SHEET NO. 5-5 OF 5-5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00030-00-BT	KANE	39	27
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		

UNITED STATES ARMY CORPS OF ENGINEERS NOTES:

1. EARTHEN COFFERDAMS OR OTHER PRACTICES THAT WOULD RESULT IN A RELEASE OF SEDIMENT INTO WATERS OF THE U.S. ARE NOT AUTHORIZED FOR USE. COFFERDAMS SHALL BE CONSTRUCTED OF NON-ERODIBLE MATERIALS ONLY. ACCEPTABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO: PRE-FABRICATED RIGID COFFERDAMS, SHEET PILING, INFLATABLE BLADDERS, SANDBAGS AND FABRIC-LINED BASINS.

2. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.

3. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE FABRIC, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.

4. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.

5. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.

6. DURING DEWATERING OF THE COFFERED AREA, ALL WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.

7. THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

KANE DUPAGE SWCD:

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE LATEST VERSION OF THE ILLINOIS URBAN MANUAL.

THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.

DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.

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 AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

ALL EROSION CONTROL MEASURES MUST BE INSPECTED EVERY 7 CALENDAR DAYS AND AFTER A RAINFALL EVENT OF 1/2" OR GREATER.

ALL STREETS ADJACENT TO THE PROJECT AREA MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.

COUNTY STORMWATER PERMIT REQUIREMENTS:

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PREFORMED.

2. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

3. STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.

4. NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.

5 OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.

6. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.

7. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABLIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS INSTANCES WHEN THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE AND IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.

8. DISTURBANCE OF STEEPS SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKING IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR EQUIVALENT CONTROL MEASURE.

9. PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.

10. THE DRAINAGE SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.

11. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENGINEER AND THE COUNTY SOIL AND WATER CONSERVATION DISTRICT SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

12. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

13. STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOIL AND MATERIALS STOCKPILED IN IWMC OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.

14. EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:

    A. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER.

    B. MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.

15. ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR IWMC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.

COUNTY STORMWATER PERMIT REQUIREMENTS CONTINUED:

16. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

17. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.

18. DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM.

19. ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.

20. DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

PHASING NOTES:

SEQUENCE OF MAJOR ACTIVITIES - AS APPLICABLE TO PROJECT

THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING EROSION CONTROL AND STORM WATER MANAGEMENT CONTROL MEASURES. THE CONTRACTOR MAY DESIGNATE THESE TASKS TO CERTAIN SUBCONTRACTORS AS HE SEES FIT, BUT THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR PROPER FUNCTIONING REMAINS WITH THE CONTRACTOR. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS (REFER TO THE EROSION AND SEDIMENT CONTROL PLAN SHEET CONTAINED IN THIS SWPPP FOR DETAILS AND REFER TO THE SUGGESTED PHASING PLAN IN THE DESIGN DRAWINGS FOR CONSTRUCTION SEQUENCING):

A. A PRE-CONSTRUCTION MEETING SHALL BE HELD BY THE SITE PROJECT MANAGER AND THE OPERATOR'S ENGINEER PRIOR TO LAND DISTURBING ACTIVITIES.

B. INSTALL PERIMETER SILT FENCES AND INLET PROTECTION IN THE LOCATIONS SHOWN ON THE PLAN SHEETS.

C. IMPLEMENT EROSION CONTROL MEASURES AROUND THE EXISTING STORM SEWER TO PREVENT SEDIMENTATION FROM INFILTRATING INTO THE STORM SEWER SYSTEM AS SHOWN ON THE PLAN SHEETS.

D. INSTALL SUGGESTED MAINTENANCE OF TRAFFIC MEASURES.

E. CONSTRUCT TEMPORARY CONSTRUCTION EXITS AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN SHEETS.

F. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND ONLY IN AREAS WHERE CONSTRUCTION MEASURES ARE PLANNED TO COMMENCE WITHIN 7 DAYS AFTER CLEARING AND GRUBBING.

G. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.

H. CARRY OUT FINAL GRADING AND SEEDING, SODDING AND PLANTING, INCLUDING ROLLED EROSION CONTROL PRODUCTS WHERE SHOWN ON THE EROSION CONTROL PLAN SHEETS.

I. REMOVE SILT FENCING ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.

J. REMOVE TEMPORARY CONSTRUCTION EXITS.

A SCHEDULE FOR IMPLEMENTATION FOR THE ACTIVITIES IDENTIFIED ABOVE IS INCLUDED AS FORM C-3 OF THE SWPPP.

SEEDING / SODDING CHART

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT.	OCT.	NOV.	DEC.
	CONTRACTOR RESPONSIBILITY			PER I.D.O.T. SPECIFICATIONS APR. 1 - JUNE 15		CONTRACTOR RESPONSIBILITY		PER I.D.O.T. SPECIFICATIONS AUG. 1 - NOV. 1			CONTRACTOR RESPONSIBILITY	
* DORMANT SEEDING (135lb/Ac)	XX	XX	XX								XX	XX
* TEMPORARY SEEDING (100lb/Ac)			///	///	///	///	///	///	///	///		
* PERMANENT SEEDING (See IDOT Specs.)			...	...	...	...	** ...	...	...	...	...	
* MULCHING (2 Tons/Ac)	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +
* SODDING (See IDOT Specs.)				■	■	■			■	■		
				PER I.D.O.T. SPECIFICATIONS					PER I.D.O.T. SPECIFICATIONS			

* SEE I.D.O.T SPECIFICATIONS FOR INSTALLATION AND APPLICATION REQUIREMENTS

** SUPPLEMENTAL WATERING MAYBE REQUIRED. (SEE I.D.O.T. SPECIFICATIONS FOR REQUIREMENTS)

HRG PROJECT NO.: 230226I
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184-001322

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	DRAWN - AJM	REVISED -
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PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

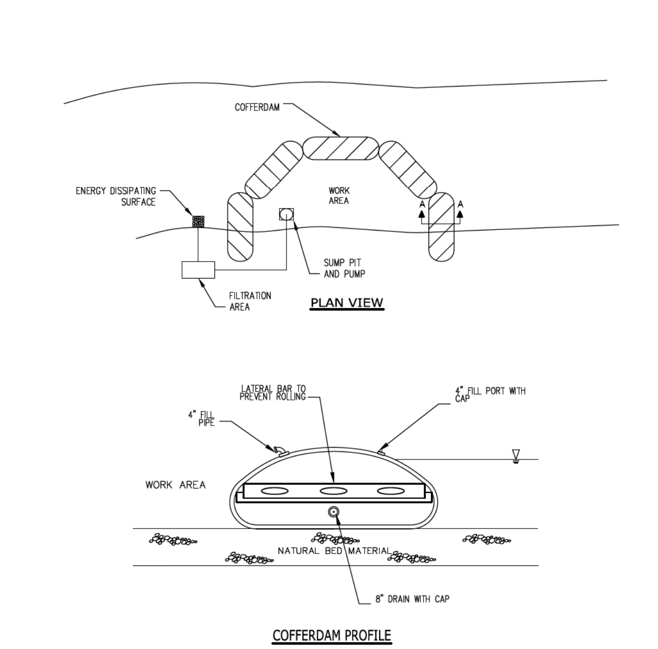
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	28
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		

BLADDER PARTIAL COFFERDAM *

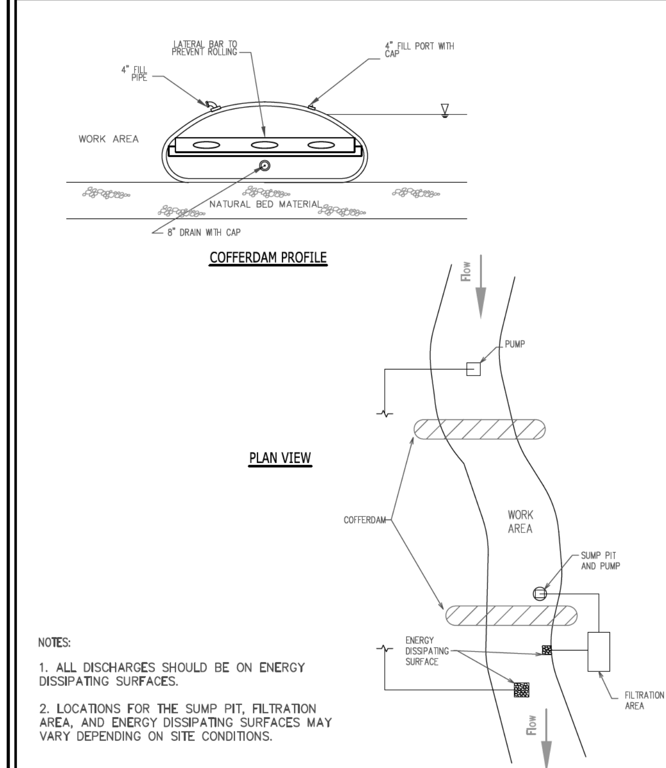


NOTES:
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

REFERENCE
Project ____
Designed ____ Date ____
Checked ____ Date ____
Approved ____ Date ____

STANDARD DWG. NO. IUM-503BP
SHEET 4 OF 7
DATE 7-09-2012

BLADDER COFFERDAM *

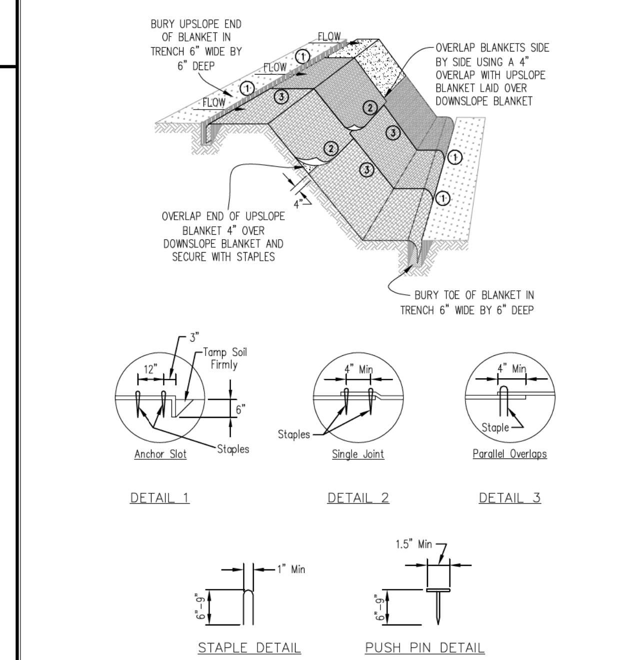


NOTES:
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

REFERENCE
Project ____
Designed ____ Date ____
Checked ____ Date ____
Approved ____ Date ____

STANDARD DWG. NO. IUM-503BF
SHEET 3 OF 7
DATE 7-09-2012

* OTHER NON-ERODIBLE COFFERDAM MATERIALS SUCH AS ROCK AND SANDBAGS ARE ALSO ACCEPTABLE AND ALL WORK RELATED TO THESE DETAILS SHALL BE PAID FOR ON A LUMP SUM BASIS AS TEMPORARY BYPASS PUMPING SYSTEM.



NOTES:

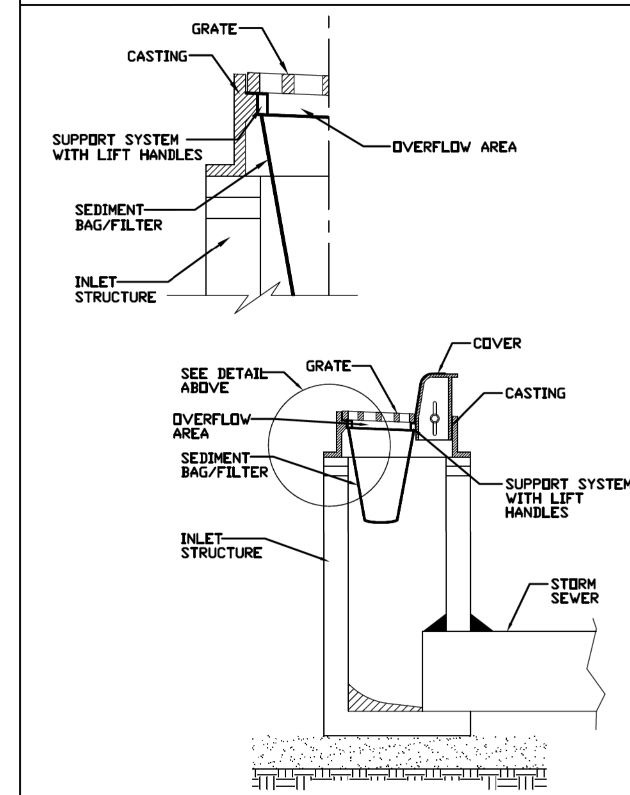
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

Sheet 1 of 1 | Drawing No. | File No. IUM-530

EROSION CONTROL
BLANKET INSTALLATION DETAILS

Designed ____ Date
Drawn B. JOHNSON 11/08
Checked ____
Approved ____

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE
Project ____
Designed ____ Date ____
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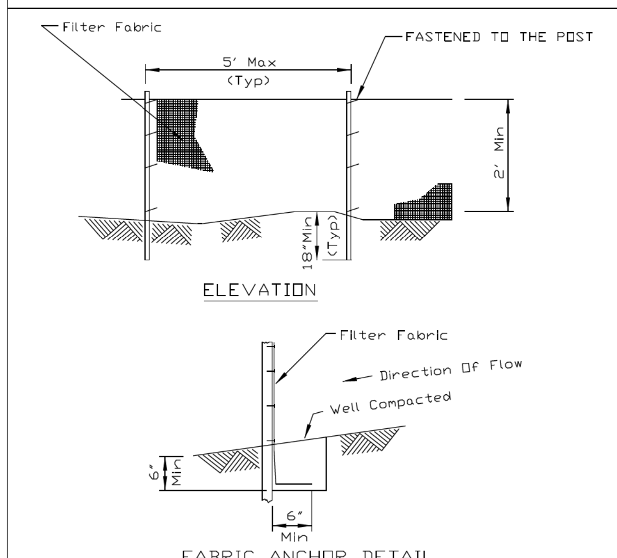
STANDARD DWG. NO. IUM-561D
SHEET 1 OF 1
DATE 01-11-11

SILT FENCE PLAN

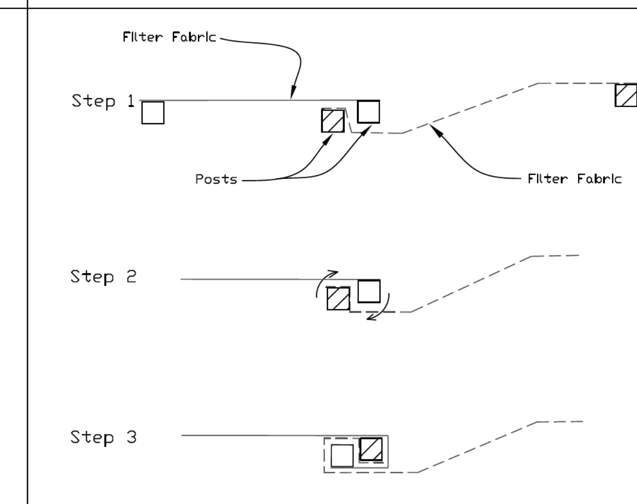


NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2" X 2" nominal.

REFERENCE
Project ____
Designed ____ Date ____
Checked ____ Date ____
Approved ____ Date ____

STANDARD DWG. NO. IUM-620A
SHEET 1 OF 2
DATE 04-15-2021

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the botton of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE
Project ____
Designed ____ Date ____
Checked ____ Date ____
Approved ____ Date ____

STANDARD DWG. NO. IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
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HRGreen.com
Illinois Professional Design Firm
\# 184-001322

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	DRAWN - AJM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

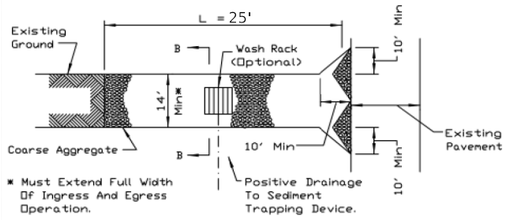
MISCELLANEOUS DETAILS
BLACKBERRY CREEK - SHARED USE PATH

SCALE: | SHEET 2 OF 6 SHEETS | STA. TO STA.

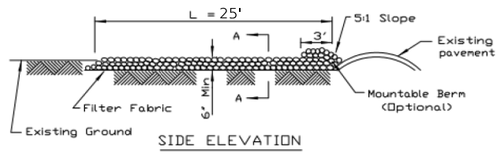
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	29

CONTRACT NO. 61K15
ILLINOIS | FED. AID PROJECT

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

NOTES:

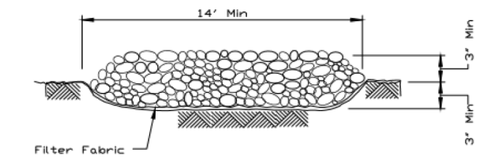
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

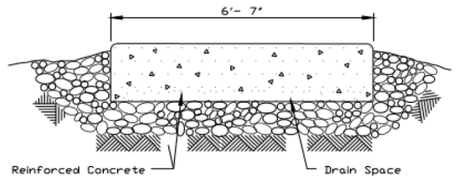
NRCS Natural Resources Conservation Service

STANDARD DWG. NO.
IL-630
SHEET 1 OF 2
DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



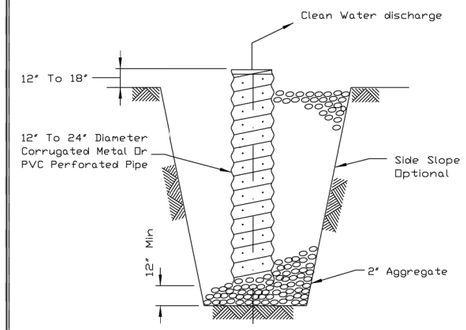
SECTION B-B

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

STANDARD DWG. NO.
IL-630
SHEET 2 OF 2
DATE 8-18-94

SUMP PIT PLAN



SECTION

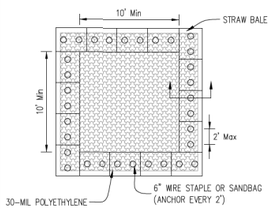
NOTES:

1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

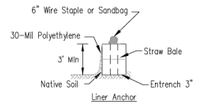
REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

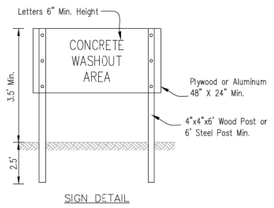
STANDARD DWG. NO.
IL-650
SHEET 1 OF 1
DATE 8-11-94



PLAN VIEW



STRAW BALE ANCHOR SECTIONS

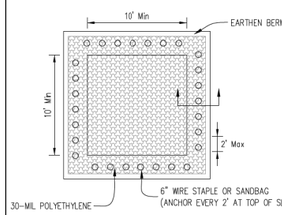


SIGN DETAIL

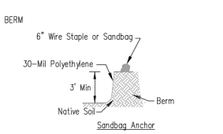
NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facilty shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

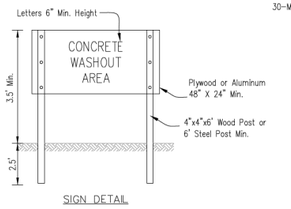
TEMPORARY CONCRETE WASHOUT FACILITY – STRAW BALE



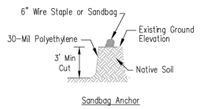
PLAN VIEW



EARTHEN BERM ANCHOR SECTIONS



SIGN DETAIL

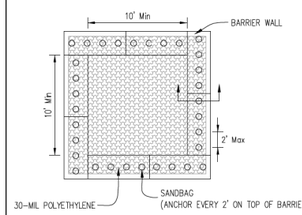


SUBGRADE ANCHOR SECTIONS

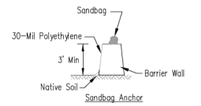
NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facilty shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

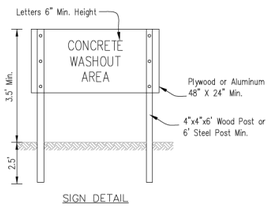
TEMPORARY CONCRETE WASHOUT FACILITY – EARTHEN TYPE



PLAN VIEW



BARRIER WALL ANCHOR SECTION



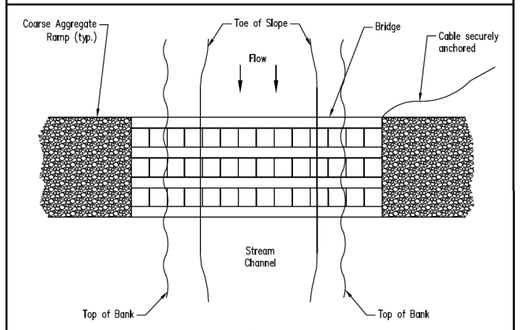
SIGN DETAIL

NOTES:

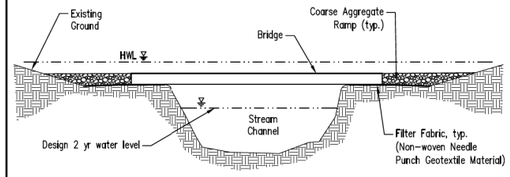
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facilty shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

TEMPORARY CONCRETE WASHOUT FACILITY – BARRIER WALL

TEMPORARY STREAM CROSSING WITH BRIDGE PLAN



PLAN



ELEVATION

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-675BP
SHEET 1 OF 1
DATE 07-30-15

HRG PROJECT NO.: 230226i
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PEN TABLE: plotlabel.tbl

HRGreen.com
Illinois Professional Design Firm
184-001322

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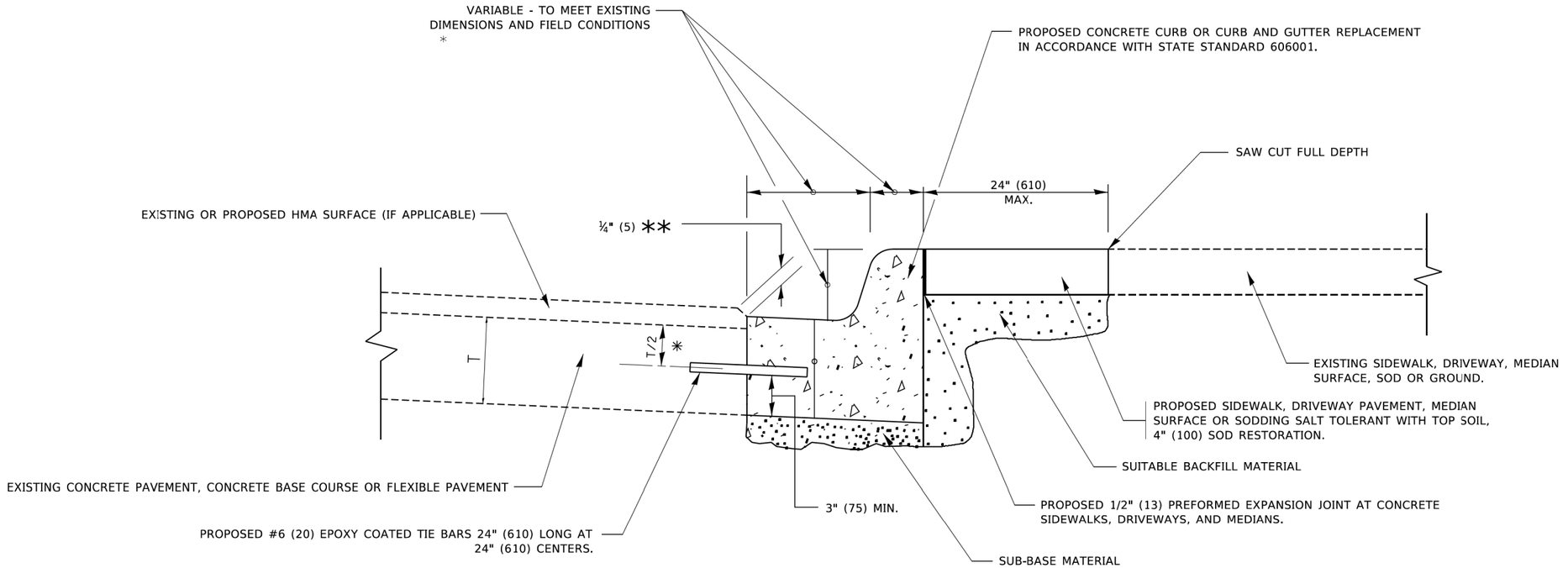
	DRAWN - AJM	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	30
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		



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

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: Default
FILE NAME: pw:\\plan room.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Stats\Std22x34\CADData\CADsheets\bd24.dgn

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

HRG PROJECT NO: 230226i
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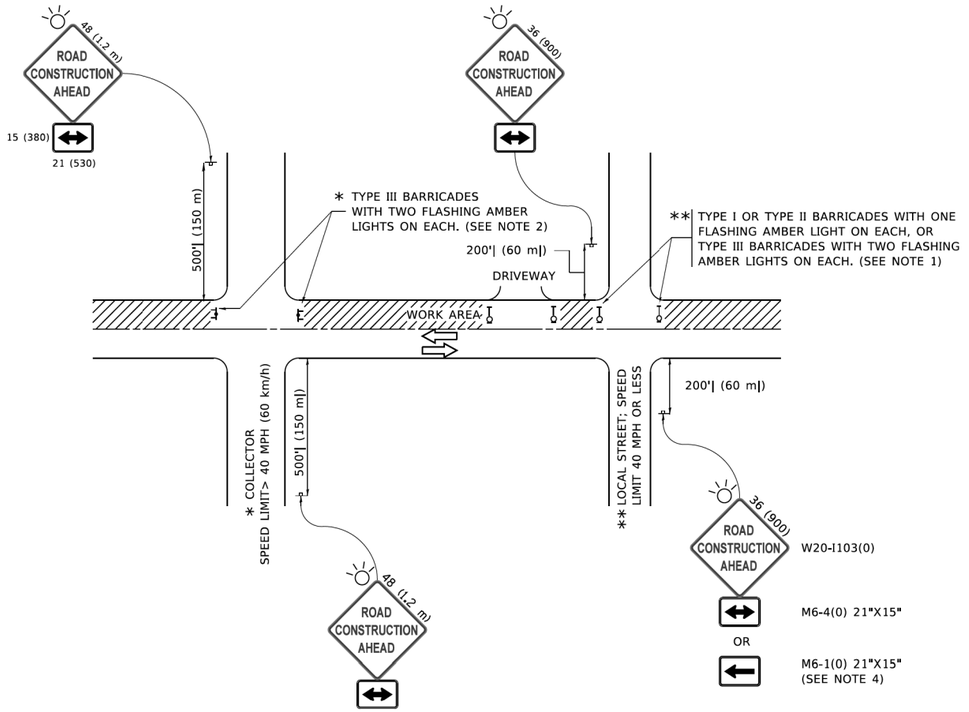
HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = amiller	DESIGNED - AJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS BLACKBERRY CREEK – SHARED USE PATH	F.A. RTE. / SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
	DRAWN - AJM	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -			18-00030-00-BT / KANE / 39 / 31
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -		SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.	CONTRACT NO. 61K15
					ILLINOIS FED. AID PROJECT



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) 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.

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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

HRG PROJECT NO.: 230226i
HRG PROJ. CONTACT:
FILE NAME: 230226i_dt105.dgn
PLOT DRIVER: H_pdf_bw.pltcfg
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HRGreen.com
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184-001322

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PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61K15		
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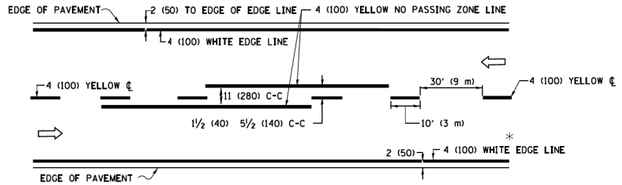
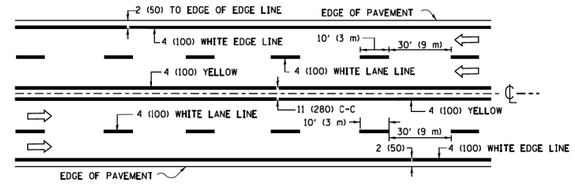
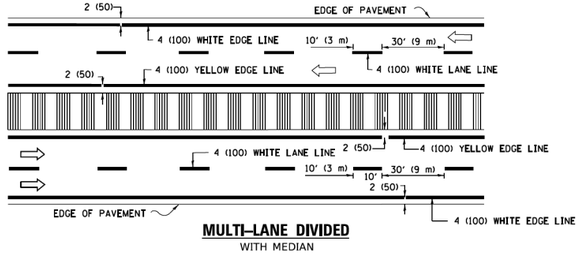


2–LANE ROADWAY

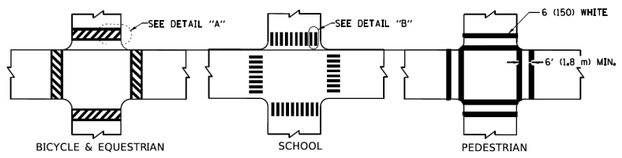


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

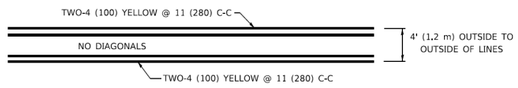
TYPICAL LANE AND EDGE LINE MARKING



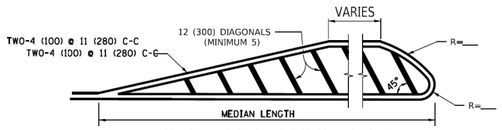
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



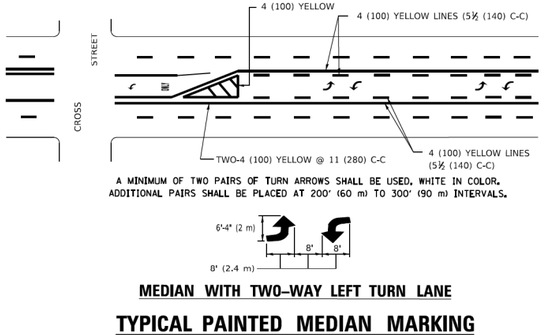
4' (1.2 m) WIDE MEDIANS ONLY



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

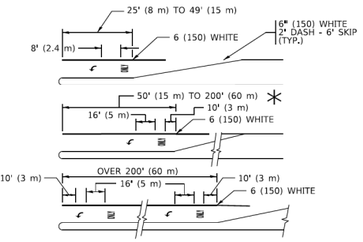
MEDIANS OVER 4' (1.2 m) WIDE



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.

MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

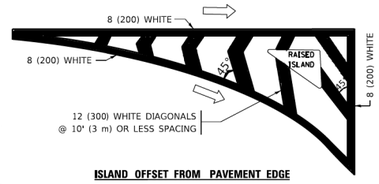


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)

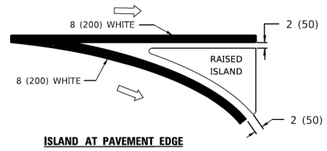
✱ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

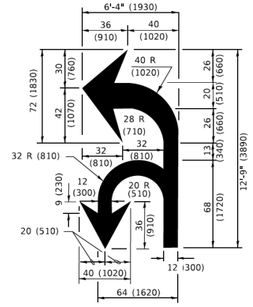


ISLAND OFFSET FROM PAVEMENT EDGE

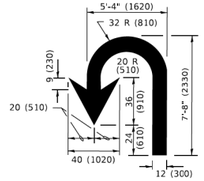


ISLAND AT PAVEMENT EDGE

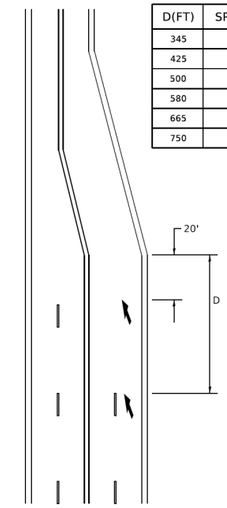
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

✱ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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	5½ (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; 5½ (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.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; *RR* IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "RR"=3.6 SQ. FT. (0.33 m² EACH "X"=54.0 SQ. FT. (5.0 m²
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.

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PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC–13	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

HRG PROJECT NO.: 230226I
HRG PROJ. CONTACT:
FILE NAME: 230226I_dt106.dgn
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PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

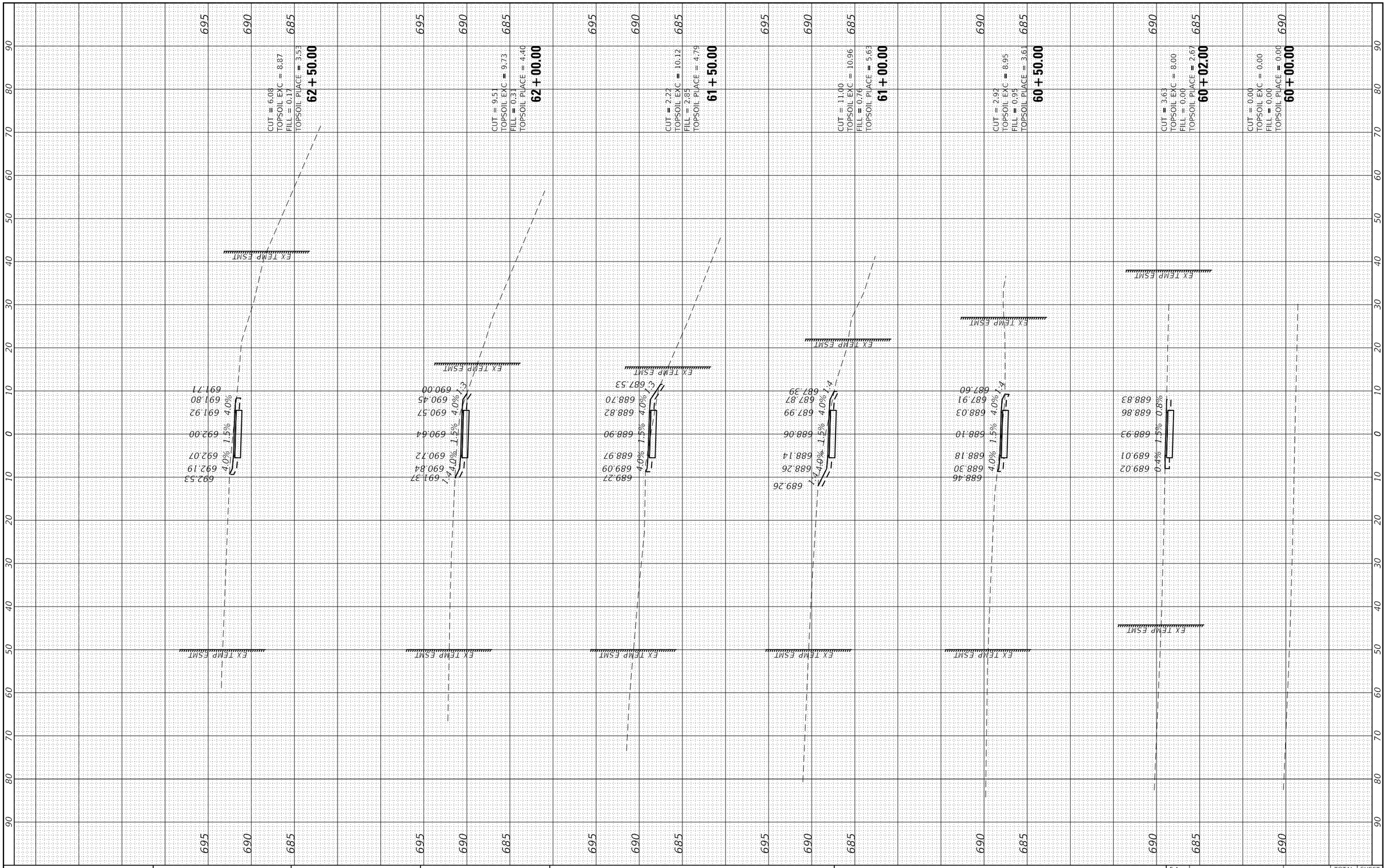
MISCELLANEOUS DETAILS
BLACKBERRY CREEK – SHARED USE PATH

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	33
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

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

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



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	DRAWN - AJM	REVISED -
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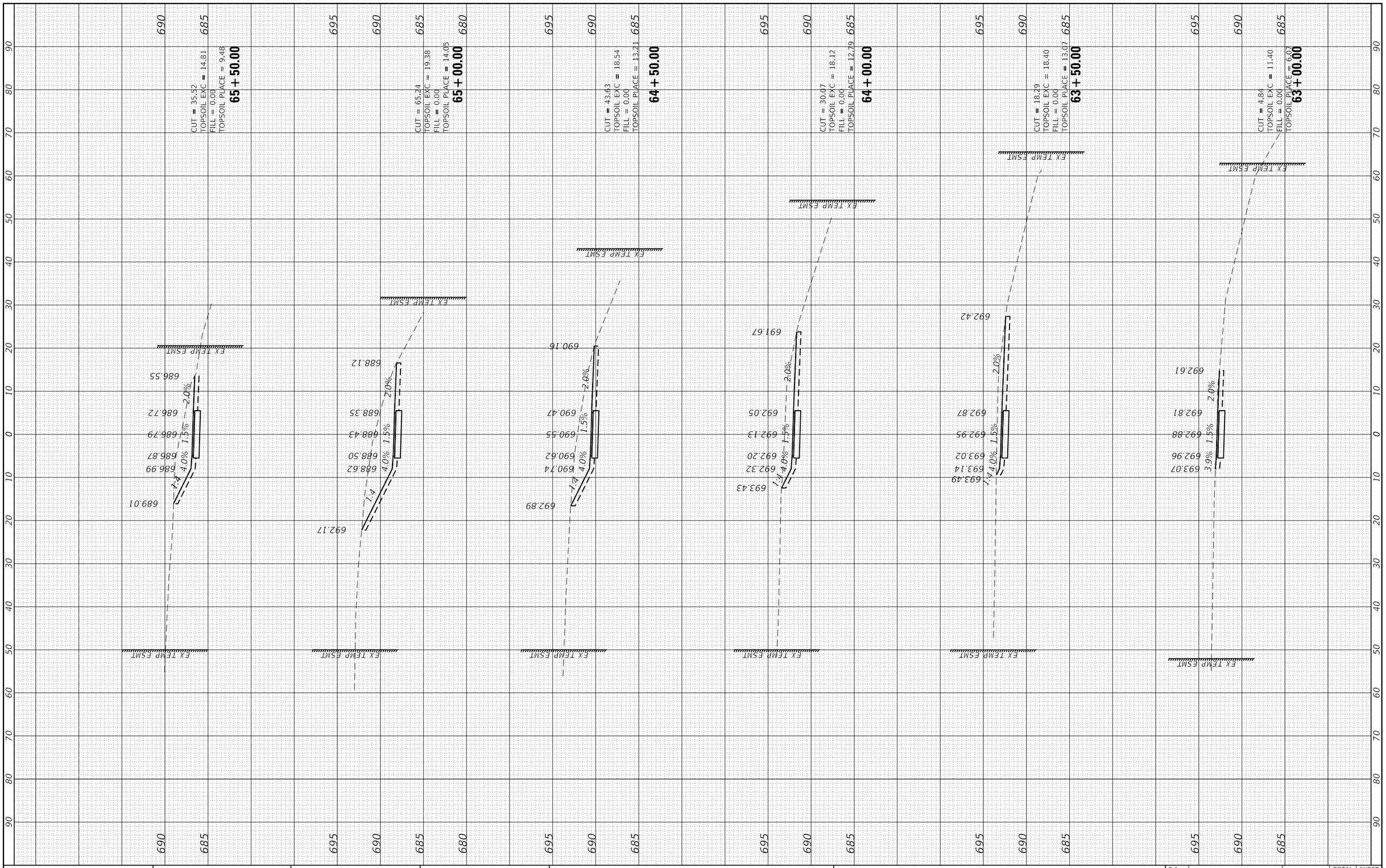
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 1 OF 4 SHEETS | STA. 60+00.00 TO STA. 62+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	34
		CONTRACT NO. 61K15		
	ILLINOIS	FED. AID PROJECT		



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

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

HRG PROJECT NO.: 230226i
HRG PROJ. CONTACT:
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PEN TABLE: plotlabel.tbl

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	DRAWN - AJM	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JRS	REVISED -
PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

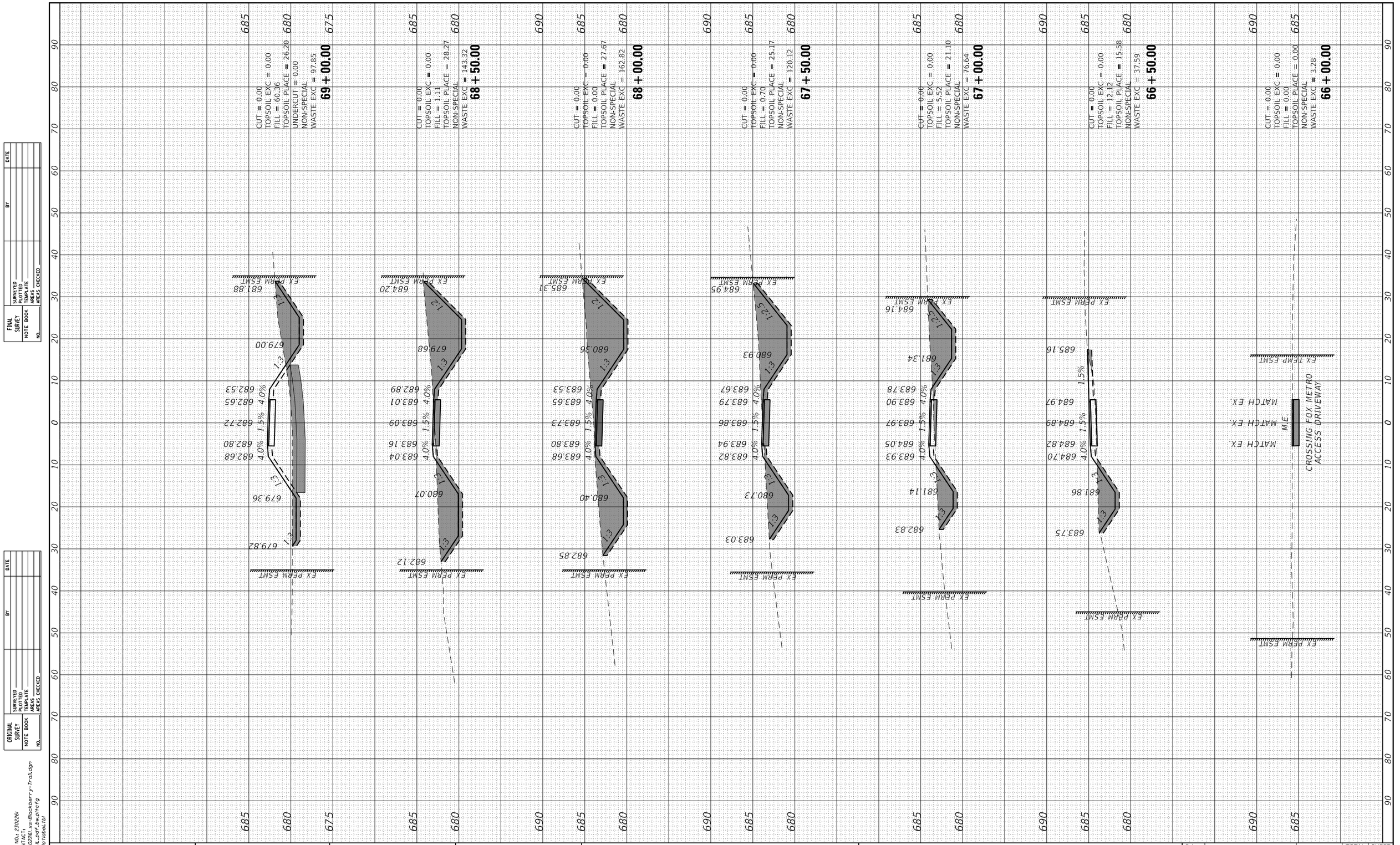
CROSS SECTIONS
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 2 OF 4 SHEETS | STA. 63+00.00 TO STA. 65+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	35
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

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

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



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PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

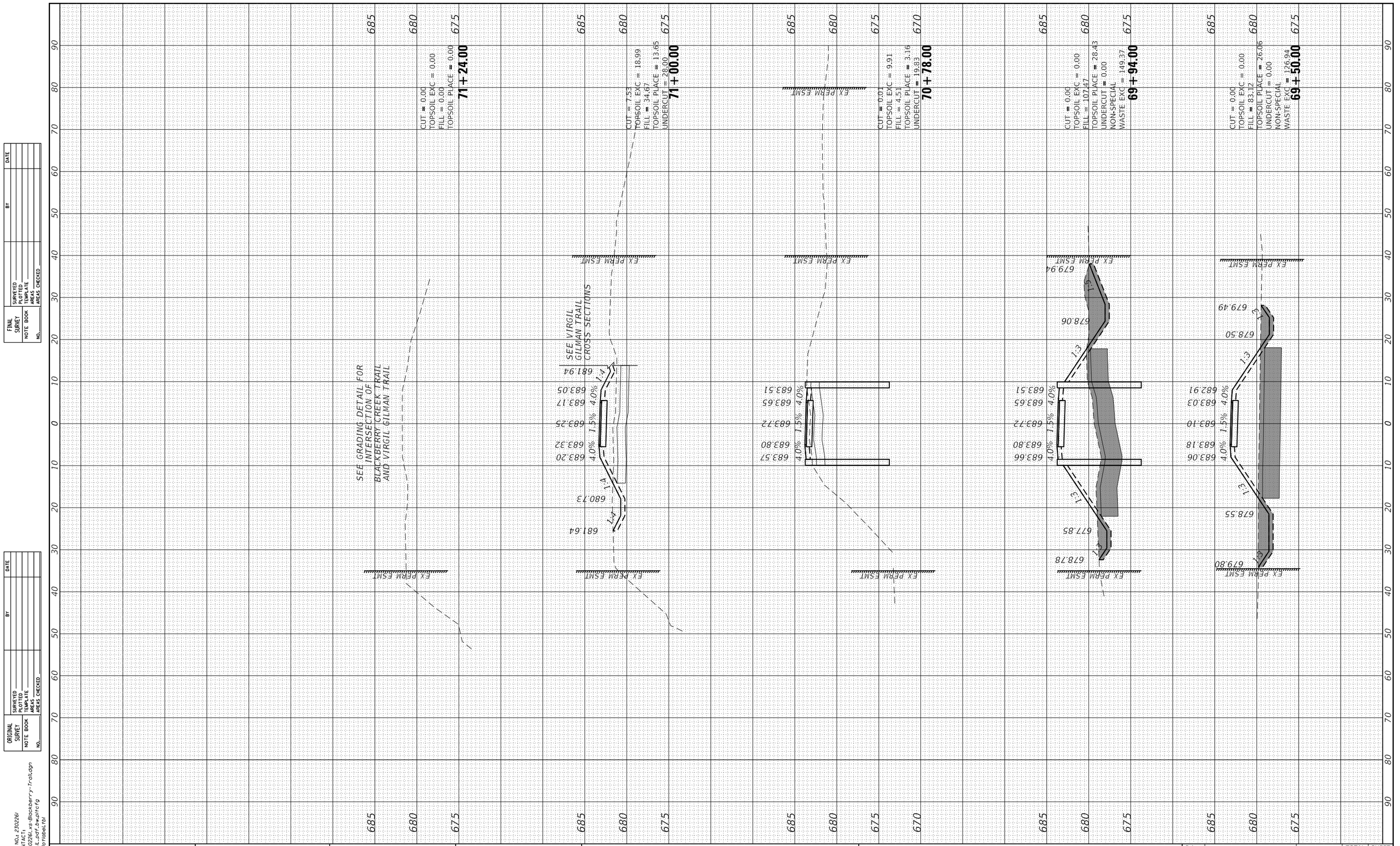
CROSS SECTIONS
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 3 OF 4 SHEETS | STA. 66+00.00 TO STA. 69+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	36
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

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

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



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PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BLACKBERRY CREEK – SHARED USE PATH

SCALE: | SHEET 4 OF 4 SHEETS | STA. 69+50.00 TO STA. 71+24.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	37
		CONTRACT NO. 61K15		
		ILLINOIS	FED. AID PROJECT	

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

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

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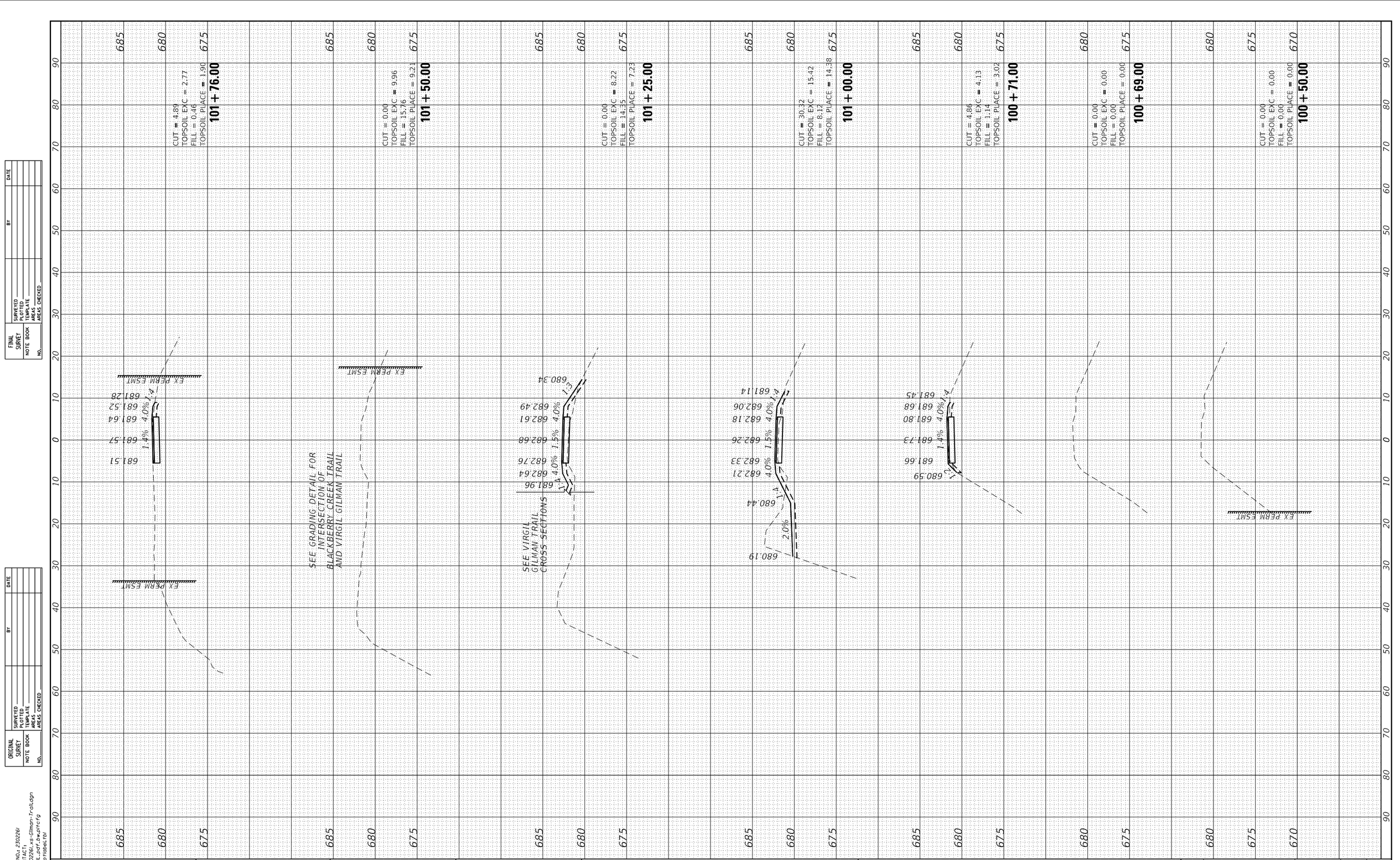

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PLOT DATE = 11/21/2023	DATE - 11/27/2023		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BLACKBERRY CREEK – VIRGIL GILMAN TRAIL

SCALE: | SHEET 1 OF 2 SHEETS | STA. 100+50.00 TO STA. 101+76.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	38
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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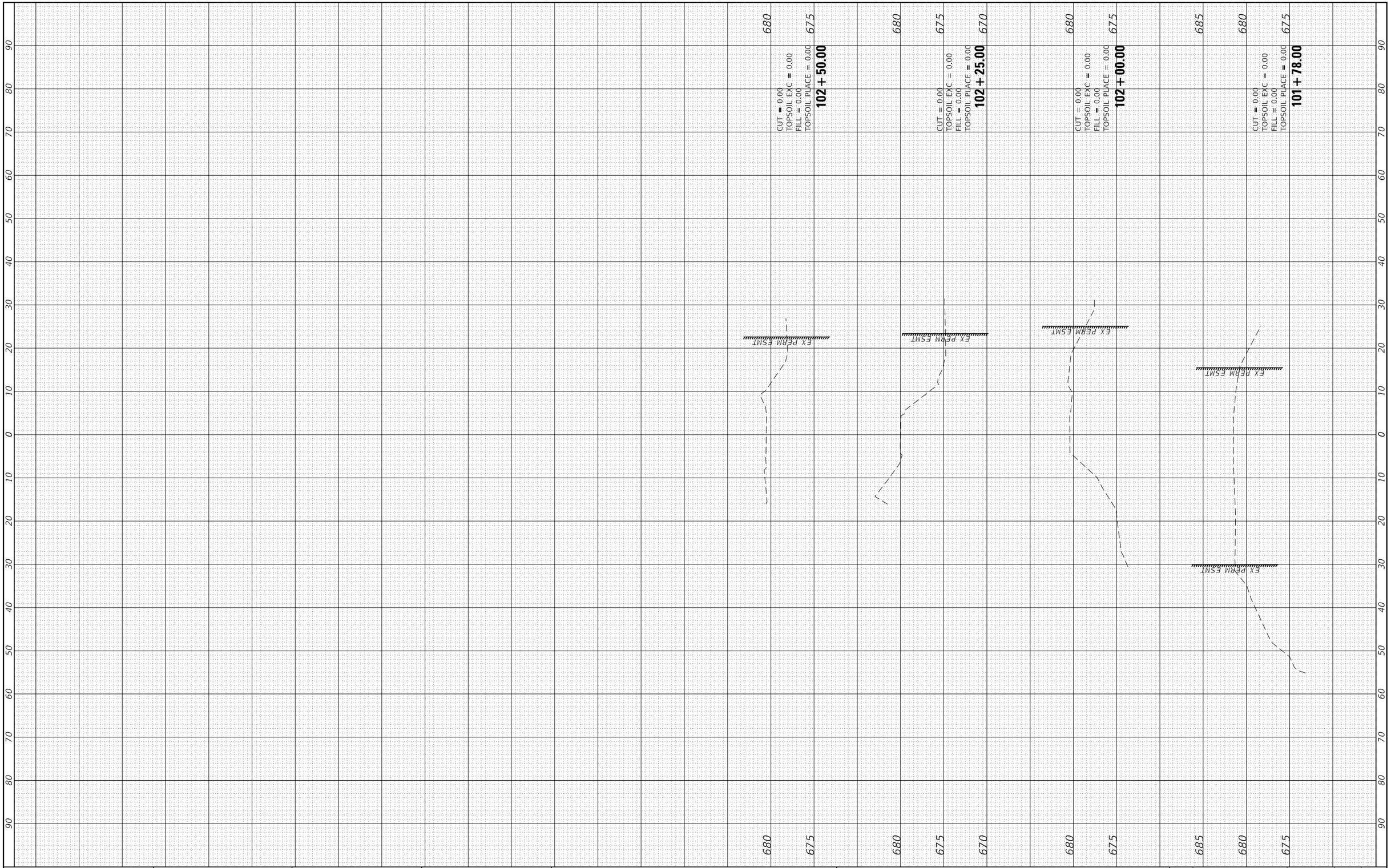
NO.	AREAS CHECKED		



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PLOT DATE = 11/21/2023	DATE - 11/27/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BLACKBERRY CREEK – VIRGIL GILMAN TRAIL

SCALE: | SHEET 2 OF 2 SHEETS | STA. 101+78.00 TO STA. 102+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	18-00030-00-BT	KANE	39	39
		CONTRACT NO. 61K15		
	ILLINOIS FED. AID PROJECT			