F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	1
	ILLINOIS	CONTRACT NO. 61K92		

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

TRAFFIC DATA
2020 HUNTER ROAD ADT = 1,350
2050 HUNTER ROAD ADT = 1,600

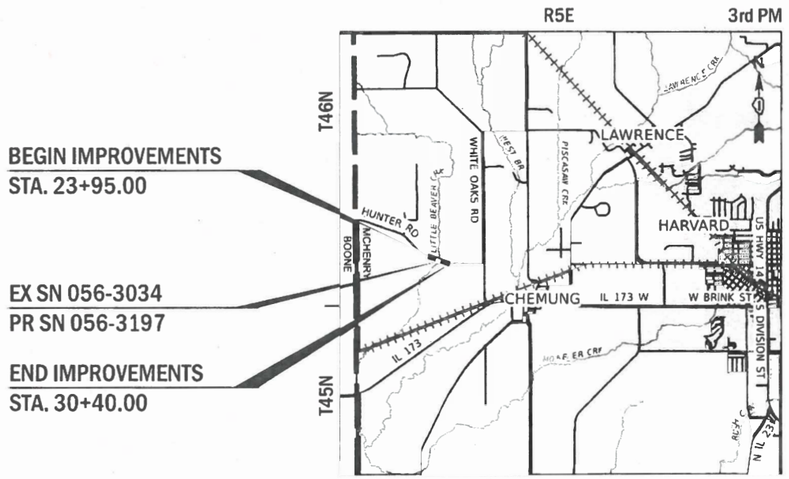
SPEED LIMIT
POSTED = 55 MPH
DESIGN = 55 MPH

DESIGN DESIGNATION
HUNTER ROAD = RURAL MAJOR COLLECTOR

01-17-2025 LETTING ITEM 143

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAS 0039 HUNTER ROAD (CH A19)
OVER LITTLE BEAVER CREEK
BRIDGE REMOVAL & REPLACEMENT
SECTION 18-00481-00-BR
PROJECT CUGB(890)
MCHENRY COUNTY
JOB NO. C-91-200-19



LOCATION MAP
NOT TO SCALE

GROSS & NET LENGTH = 645 LF (0.122 MILES)

P-91-005-19
D-91-003-19

LOCATION OF SECTION INDICATED THUS:- ▬

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

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

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

WBK ENGINEERING
WBK ENGINEERING LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443 7755

CONTRACT NO. 61K92

YEMI O. OYEWOLE
062-058164
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

09/30/2024 DATE
YEMI OYEWOLE, P.E.
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062–058164
EXPIRATION DATE 11–30–2025
WBK ENGINEERING, LLC.
SHEETS: 1–34, 39, & 55– 65

LICENSED STRUCTURAL ENGINEER
JIAHONG ZUO
081.006794
STATE OF ILLINOIS

09/30/2024 DATE
JIAHONG ZUO, S.E.
ILLINOIS REG. STRUCTURAL ENGINEER NO. 081–006794
EXPIRATION DATE: 11–30–2026
WBK ENGINEERING, LLC.
SHEETS: 40–49

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED SEPT 26 20 24
Joe P. Kaspazski Jr
COUNTY OF MCHENRY, COUNTY ENGINEER

PASSED NOV 6 20 24
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW NOV 6 20 24
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

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001006	DECIMAL OF AN INCH AND OF A FOOT
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601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
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701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS >OR= TO 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT ONE STANDARD DETAILS

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TC-22 ARTERIAL ROAD SIGN INFORMATION

BD-32 BUTT JOINT AND HMA TAPER DETAILS

MCHENRY COUNTY DETAILS

DRAIN TILE OUTFALL (SPECIAL)

SURVEY DATUM

THE HORIZONTAL DATUM IS NAD83 AND THE VERTICAL DATUM IS NAV88

COMMITMENTS

NONE

PUBLIC SERVICE CONTACT LIST

MCHENRY COUNTY SHERIFF'S OFFICE
2200 NORTH SEMINARY AVENUE, WOODSTOCK, IL 60098
(815) 338-2144
SHERIFF@MCHENRYCOUNTYIL.GOV
CONTACT: ROBB TADELMAN, SHERIFF

MCHENRY COUNTY DIVISION OF TRANSPORTATION
16111 NELSON ROAD, WOODSTOCK, IL 60098
(815) 334-4960
CONTACT: JEREMY STULL, CONSTRUCTION MANAGER

ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 1
201 WEST CENTER COURT, SCHAUMBURG, IL 60196
KANNAN-HOSADURGA@ILLINOIS.GOV
(847) 705-4091
CONTACT: KALPANNA KANNAN-HOSADURGA
TRAFFIC CONTROL SUPERVISOR

ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 2
819 DEPOT AVENUE, DIXON, IL 61021
(815) 284-5469
KEVIN.HENSON@ILLINOIS.GOV
CONTACT: KEVIN HENSON, TRAFFIC OPERATIONS ENGINEER

BOONE COUNTY SHERIFF'S OFFICE
615 N MAIN STREET, BELVIDERE, IL 61008
ADMIN@BOONECOUNTYSHERIFF.COM
(815) 544-9322
CONTACT: SCOTT YUNK, SHERIFF

BOONE COUNTY HIGHWAY DEPARTMENT
9759 IL ROUTE 76, BELVIDERE, IL 61008
JKROHN@BOONECOUNTYIL.GOV
(815) 544-2066 EXT. 4
CONTACT: JUSTIN KROHN, PE, COUNTY ENGINEER

NORTH BOONE COUNTY COMMUNITY UNIT SCHOOL DISTRICT 200
6248 N. BOONE SCHOOL RD., POPLAR GROVE, IL 61065
815.765.3322
MGREENLEE@NBCUSD.ORG
CONTACT: DR. MICHAEL J. GREENLEE, SUPERINTENDENT OF SCHOOLS

BOONE COUNTY FIRE PROTECTION DISTRICT #1
130 W. OGDEN STREET, CAPRON, IL 61012
815-569-2061
GHOLMES2290@GMAIL.COM
CONTACT: GREG HOLMES, FIRE CHIEF

BOONE COUNTY FIRE PROTECTION DISTRICT #2
1777 HENRY LUCKOW LANE, BELVIDERE, IL 61008
815-544-3336
BKUNCE@BCFD2.COM
CONTACT: BRIAN KUNCE, FIRE CHIEF

NORTH BOONE COUNTY FIRE DISTRICT #3
305 W. GROVE STREET, POPLAR GROVE, IL 61065
815-765-3366
CHIEF@NORTHBOONEFIRE,COM
CONTACT: E.J. DILONARDO, FIRE CHIEF

CITY OF HARVARD
203 W. DIGGINS STREET, HARVARD, IL 60033
(815) 943-6468 EXT 103
LEONE@CITYOFHARVARD.ORG
CONTACT: LOU LEONE, CITY ADMINISTRATOR

CHEMUNG TOWNSHIP
807 8TH STREET, HARVARD, IL 60033
815-943-4553
CHEMUNG2TWP@YAHOO.COM
CONTACT: ROBERT NYSTROM, HIGHWAY COMMISSIONER

VILLAGE OF CAPRON
250 W. MAIN STREET, CAPRON IL 61012
(815) 569-2351
VCAPRONPRESIDENT@GMAIL.COM
CONTACT: STEVEN BANK, VILLAGE PRESIDENT

HARVARD POLICE DEPARTMENT
203 W. DIGGINS STREET, HARVARD, IL 60033
(815) 943-4431
BAUMAN@CITYOFHARVARD.ORG
CONTACT: TYSON BAUMAN, CHIEF OF POLICE

HARVARD FIRE PROTECTION DISTRICT
502 S. EASTMAN ST., HARVARD, IL 60033
(815) 943-6927
JKIMMEL@HFPD.ORG
CONTACT: JOHN KIMMEL, FIRE CHIEF

BELVIDERE FIRE DEPARTMET
123 SOUTH STATE STREET, BELVIDERE, IL 61008
(815) 544-2242
PR@BELVIDEREFIRE.COM
CONTACT: SHAWN SCHADLE, FIRE CHIEF

HARVARD COMMUNITY UNIT SCHOOL DISTRICT 50
401 N. DIVISION STREET, HARVARD, IL 60033
(815) 943-4022
CONTACT: DR. COREY TOFOYA, SUPERINTENDENT OF SCHOOLS

HARVARD POST OFFICE
300 N. EASTMAN STREET, HARVARD, IL 60033
(815)-943-5182
CONTACT: INSTALLATION HEAD

OWNER OF RECORD

THE MCHENRY COUNTY DIVISION OF TRANSPORTATION IS THE OWNER OF RECORD FOR THIS BRIDGE. FOR INFORMATION REGARDING THE EXISTING STRUCTURE SEE RECORD PLANS ON SHEETS 47 - 49.

THOSE SEEKING THE FULL GEOTECHNICAL REPORT, PRELIMINARY SITE INVESTIGATION, OR THE FULL HYDRAULIC REPORT SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:

MCHENRY COUNTY DIVISION OF TRANSPORTATION
16111 NELSON ROAD
WOODSTOCK, ILLINOIS 60098
SAMANTHA DITTRICH, DESIGN ENGINEER IV
(815) 334-4960
sldittrich@mchenrycountyil.gov

or see project website
https://www.mchenrycountyil.gov/departments/transportation/projects/hunter

PERMITTING CONTACT

ILLINOIS DEPARTMENT OF NATURAL RESOURCES - OFFICE OF WATER RESOURCES
ONE NATURAL RESOURCES WAY, SPRINGFIELD, IL 62702
(217) 782-3863
CONTACT: WILLIAM BOYD, P.E.

MCHENRY COUNTY PLANNING AND DEVELOPMENT (MCPD)
2200 SEMINARY AVENUE, WOODSTOCK, IL 60098
(815) 334-4520
SXKOLEV@MCHENRYCOUNTYIL.GOV
CONTACT: STOYAN KOLEV

MCHENRY-LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT (MLCSWCD)
1648 S. EASTWOOD DRIVE, WOODSTOCK, IL 60098
(815) 338-0444 X3
Ryan.Bieber@mchenryswcd.org
CONTACT: RYAN BIEBER

UNITED STATES ARMY CORPS OF ENGINEERS (USACOE) - CHICAGO DISTRICT
231 SOUTH LASALLE STREET, SUITE 1500, CHICAGO, IL 60604
(312)-846-5544
CONTACT: STASI BROWN

UTILITY CONTACT

AT&T
ALEXANDER BRYANT
DESIGN ENGINEER-LEGAL MANDATE
1000 COMMERCE DRIVE, OAK BROOK, IL 60523
OFFICE (630) 573-6456 MOBILE (630) 272-9010
AB8652@ATT.COM
(REFERENCE: AT&T #HV4107)

COMED
DEJI AKOSILE, PMP
(779) 231-0781 - OFFICE
(224)-477-9519 - CELL
DEJI.AKOSILE@COMED.COM
(REFERENCE: H26721ROC)

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
PLOT SCALE =	CHECKED - YOO	REVISED -
PLOT DATE = 11/1/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
GENERAL NOTES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	2
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

MODEL: GenNote-01
FILE NAME: P:\2022\220179 HunterRdBridgeReplacement\Phll\09-CADD\3_Sheets\220179-sht-gennote.dgn

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022 (HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2025; THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

2. ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PRODUCT SHOWN. NO EQUIPMENT, MATERIAL YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON COUNTY OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.

3. TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE DETOUR AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.

4. THE CONTRACTOR SHALL TAKE EXTREME CAUTION DURING ALL PHASES OF CONSTRUCTION TO PREVENT THE DEPOSITION OF ANY MATERIAL INTO THE WATERWAY. DEMOLITION AND CONSTRUCTION ACTIVITIES WITHIN THE FLOODPLAIN SHALL BE IN ACCORDANCE WITH THE NATION WIDE PERMIT OF THE UNITED STATES ARMY CORPS OF ENGINEERS AUTHORIZED UNDER SECTION 404 OF THE CLEAN WATER ACT. THE IEPA HAS ISSUED SECTION 401 WATER QUALITY CERTIFICATION FOR THIS ACTIVITY. SEE SPECIAL PROVISIONS FOR CONDITIONS.

5. RIGHT-OF-WAY MARKERS AND DRAINAGE MARKERS SHALL BE INSTALLED USING METHOD B OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARDS.

6. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

7. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.

8. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

10. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHALL EQUAL 0).

11. THE CONTRACTOR SHALL PROVIDE THE FINISHED GRADE DIGITAL TERRAIN MODEL (DTM) TO THE COUNTY PRIOR TO LANDSCAPING TO VERIFY COMPENSATORY STORAGE HAS BEEN PROVIDED IN CONFORMANCE WITH THE MCHENRY COUNTY STORMWATER MANAGEMENT PERMIT.

12. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

DRAINAGE NOTES

1. DURING CONSTRUCTION OPERATIONS, ALL LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE ROUTES AND TEMPORARY DITCHES THAT OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FEATURES SHALL BE CLEANED AS NECESSARY TO ENSURE THAT THEY ARE FREE FROM ALL DIRT AND DEBRIS PRIOR TO THE FINAL INSPECTION OF THE PROJECT.

2. MORTAR: ALL CONNECTION POINTS WHERE THE DRAIN TILE ENTERS THE DRAINAGE STRUCTURE SHALL BE MORTARED ON THE INSIDE AND OUTSIDE OF THE DRAINAGE STRUCTURE. THE MORTAR MATERIAL SHALL BE PLACED AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. THE MORTAR MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 602.04.

3. INVESTIGATION INDICATED NO DRAIN TILES ARE PRESENT, HOWEVER, IF ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITIES IS ENCOUNTERED IN THE WORK ZONE, THE TILE SHALL BE LOCATED, STAKED AND REPORTED TO THE ENGINEER. ANY DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION, OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AS TO MAINTAIN ITS ORIGINAL ALIGNMENT.

   THE WORK SHALL BE IN ACCORDANCE WITH THE SPECIALPROVISION AND DETAILS FOR THE OUTFALL STRUCTURE. THE MINIMUM SIZE FOR REPLACEMENT MUST BE 8 INCH. THE DRAIN PIPE MATERIAL SHALL BE PVC OR CORRUGATED PVC WITH A SMOOTH INTERIOR IN ACCORDANCE WITH SECTION 601. A "TYPE A" INLET WITH TYPE 1 CLOSED LID WILL BE CONSTRUCTED TO CONNECT THE TILE(S) AND/OR PIPE DRAIN(S). A NOMINAL QUANTITY HAS BEEN INCLUDED IN THE EVENT THAT AN UNKNOWN DRAIN TILE IS ENCOUNTERED.

   PRIOR TO MAKING THE CONNECTION, THE CONTRACTOR SHALL CLEAN THE ENDS OF THE TILE TO BE CONNECTED. IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS, THE EXISTING TILE SHALL BE REMOVED OR CRUSHED AND TRENCH BACKFILL MATERIAL SHALL BE PLACED IN THE TRENCH LEFT BY THE REMOVAL.

4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.

5. THE GRATING FOR THE PRECAST CONCRETE FLARED END SECTIONS SHALL BE INCLUDED IN THE COST OF THE END SECTION AND SHALL FOLLOW THE DETAILS WITHIN THE PLANS.

UTILITY NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES AND FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED.)

2. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

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

4. THE CONTRACTOR SHALL COOPERATE WITH THE COUNTY IF ANY UNDERGROUND IMPROVEMENTS ARE REQUIRED BY THE COUNTY OR STATE WITHIN THE DURATION OF THE CONTRACT.

MCHENRY COUNTY STANDARD DRAIN TILE NOTES

1. DRAIN TILES DISTURBED DURING CONSTRUCTION SHALL BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE, UNLESS THE PLANS SPECIFY ABANDONMENT OF THE DRAIN TILES.

2. ALL ABANDONED DRAIN TILES WITHIN DISTURBED AREAS SHALL BE REMOVED IN THEIR ENTIRETY.

3. DRAIN TILES WITHIN THE DISTURBED AREA OF A CONSTRUCTION SITE SHALL BE REPLACED, BYPASSED AROUND THE SITE OR INTERCEPTED AND CONNECTED TO THE STORMWATER MANAGEMENT SYSTEM FOR THE SITE. THE SITE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

EARTHWORK AND ROADWAY

1. THE CONTRACTOR WILL NOT BE ALLOWED TO STOCK PILE MATERIAL(S) BEYOND THE PROJECT LIMITS. THE CONTRACTOR SHALL NOT PLACE STOCKPILES IN LOCATIONS WHERE THEY WILL INTERFERE WITH DRAINAGE WAYS OR ON PAVEMENTS THAT ARE NOT SPECIFIED FOR REMOVAL. ANY DAMAGE CAUSED BY THE CONTRACTORS STOCK PILING OR CONSTRUCTION OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR.

2. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH THE ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

3. ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING SHALL BE CONSTRUCTED TO 6 INCHES BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.

4. PAVEMENT ELEVATIONS: THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE. UNLESS OTHERWISE INDICATED.

5. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.

6. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
	CHECKED - YOO	REVISED -
PLOT DATE = 11/1/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
GENERAL NOTES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	63	3
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

MODEL: GenNote-02
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Phil09-CADD\3_Sheets\220179-sht-gennote.dgn

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL/ 20% LOCAL BRIDGE SN 056-3197 0010 RURAL
	20200100	EARTH EXCAVATION	CU YD	190	190
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,210	2,210
	20300100	CHANNEL EXCAVATION	CU YD	920	920
	20400800	FURNISHED EXCAVATION	CU YD	1,965	1,965
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	162	162
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,217	2,217
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	875	875
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	360	360
	25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25
	25000312	SEEDING, CLASS 4A	ACRE	1.25	1.25
	25000314	SEEDING, CLASS 4B	ACRE	0.5	0.5
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	16	16
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	16	16
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	600	600

* - SPECIALTY ITEM

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
PLOT SCALE =	CHECKED - YOO	REVISED -
PLOT DATE = 11/21/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	4
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL/ 20% LOCAL BRIDGE SN 056-3197 0010 RURAL
	28000305	TEMPORARY DITCH CHECKS	FOOT	182	182
	28000400	PERIMETER EROSION BARRIER	FOOT	2,482	2,482
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	22,431	22,431
	28100105	STONE RIPRAP, CLASS A3	SQ YD	88	88
	28200200	FILTER FABRIC	SQ YD	897	897
	28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	809	809
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	930	930
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2,563	2,563
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	5,153	5,153
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,199	2,199
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	1,350	1,350
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	12	12
	40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	12	12
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	9	9

* - SPECIALTY ITEM

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = sneville	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
PLOT SCALE =	CHECKED - YOO	REVISED -
PLOT DATE = 8/6/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	5
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL/ 20% LOCAL BRIDGE SN 056-3197 0010 RURAL
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	19	19
	40701841	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"	SQ YD	1,430	1,430
	44000100	PAVEMENT REMOVAL	SQ YD	1,479	1,479
	44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"	SQ YD	165	165
	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	860	860
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
	50200300	COFFERDAM EXCAVATION	CU YD	1,034	1,034
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	22	22
	51500100	NAME PLATES	EACH	1	1
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	1,119	1,119
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	8	8
	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	286	286
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1,392	1,392
	63200310	GUARDRAIL REMOVAL	FOOT	486	486
	66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	13	13

* - SPECIALTY ITEM

MODEL: SOQ - Table Sheet 3 [Sheet]
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Phil\09-CADD\3_Sheets\220179-alt-SOQ.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
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PLOT DATE = 10/30/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	6
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL/ 20% LOCAL BRIDGE SN 056-3197 0010 RURAL
	67100100	MOBILIZATION	L SUM	1	1
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	270	270
*	78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	2,580	2,580
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2,580	2,580
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	7	7
	X0326806	WASHOUT BASIN	L SUM	1	1
	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	6,941	6,941
	X5021507	DEWATERING	L SUM	1	1
	X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2	2
	X5042254	THREE-SIDED PRECAST CONCRETE STRUCTURES (SPECIAL) 54 FT	FOOT	86	86
	X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	564.5	564.5
	X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	12	12
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
	XX007061	OUTFALL STRUCTURE	EACH	2	2

* - SPECIALTY ITEM

MODEL: SOQ - Table Sheet 4 [Sheet]
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Phii\09-CADD\3_Sheets\220179-alt-SOQ.dgn

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116 WEST MAIN STREET
SUITE 201
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USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
PLOT SCALE =	CHECKED - YOO	REVISED -
PLOT DATE = 12/3/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	7
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL/ 20% LOCAL BRIDGE SN 056-3197 0010 RURAL
	Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	9	9
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	244	244
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	241	241

* - SPECIALTY ITEM

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116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
PLOT SCALE =	CHECKED - YOO	REVISED -
PLOT DATE = 10/30/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	8
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

MODEL: SOQ - Table Sheet 5 [Sheet]
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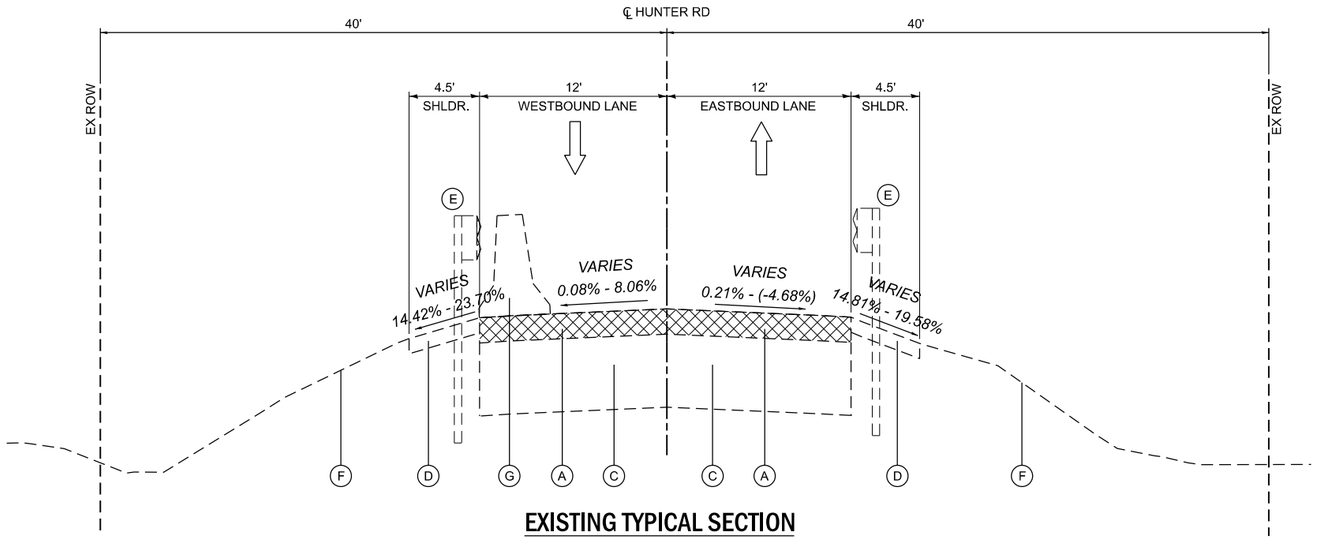


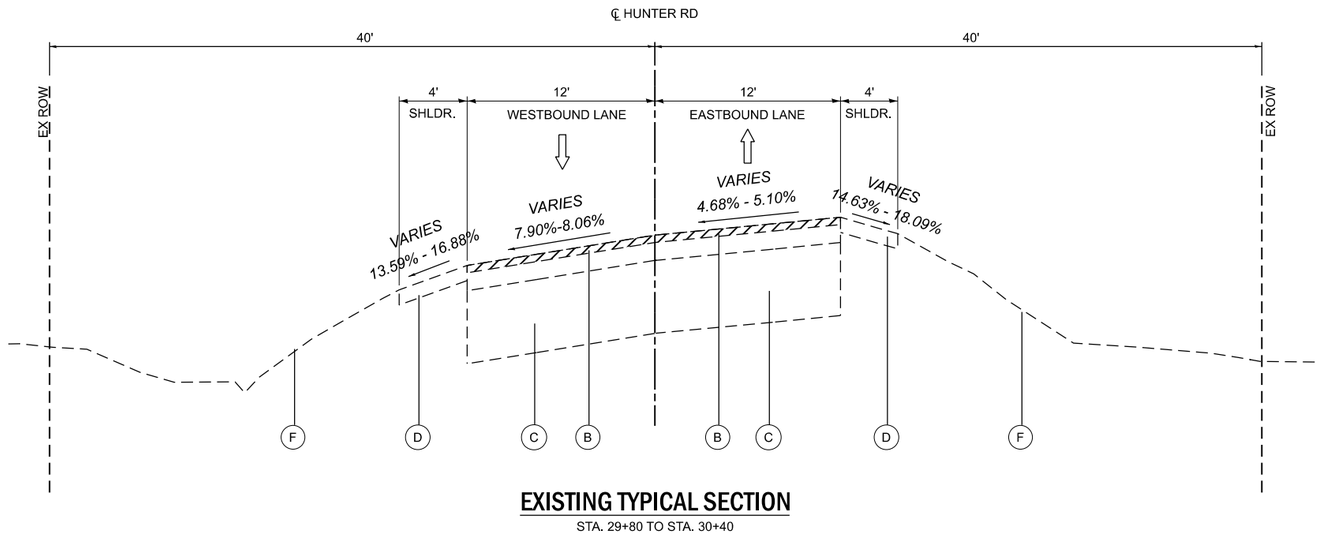
EXISTING TYPICAL SECTION

STA. 23+95 TO STA. 26+59
STA. 26+59 TO STA. S7+13 (BRIDGE OMISSION) (SEE STRUCTURAL PLANS)
STA. 27+13 TO STA. 29+80

LEGEND EXISTING

- (A) PAVEMENT REMOVAL
- (B) HMA SURFACE REMOVAL, 3 1/2"
- (C) EXISTING BASE SANDY GRAVEL 2'-3'
- (D) EXISTING AGGREGATE SHOULDER (R) (PAID FOR AS EARTH EXCAVATION)
- (E) EXISTING GUARDRAIL (R)
- (F) EXISTING GROUND (R)
- (G) EXISTING TEMPORARY CONCRETE BARRIER & ATTENUATORS (TO BE REMOVED BY MCDOT)

NOTES:
1. EXISTING HMA PAVEMENT IS 8"-10" THICK
2. ITEMS WITH "(R)" ARE TO BE REMOVED AS SHOWN ON THE TYPICAL SECTIONS AND/OR THE PLAN AND PROFILE SHEETS



EXISTING TYPICAL SECTION

STA. 29+80 TO STA. 30+40

MODEL: 220179-alt-typical1
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacementPhII\09-CADD\3_Sheets\220179-alt-typical1.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
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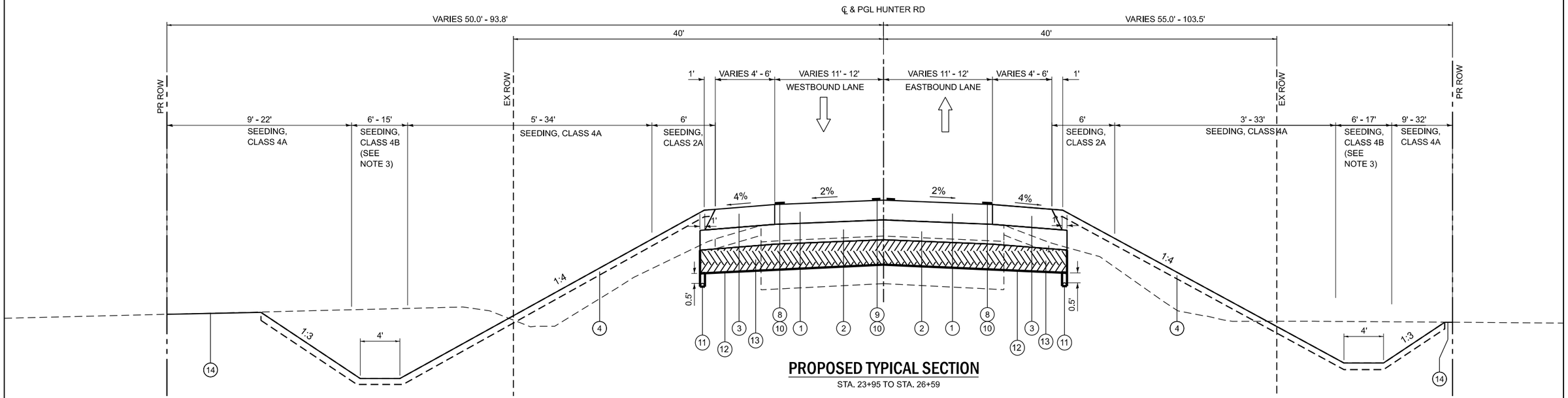
PLOT DATE = 10/23/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
TYPICAL SECTIONS

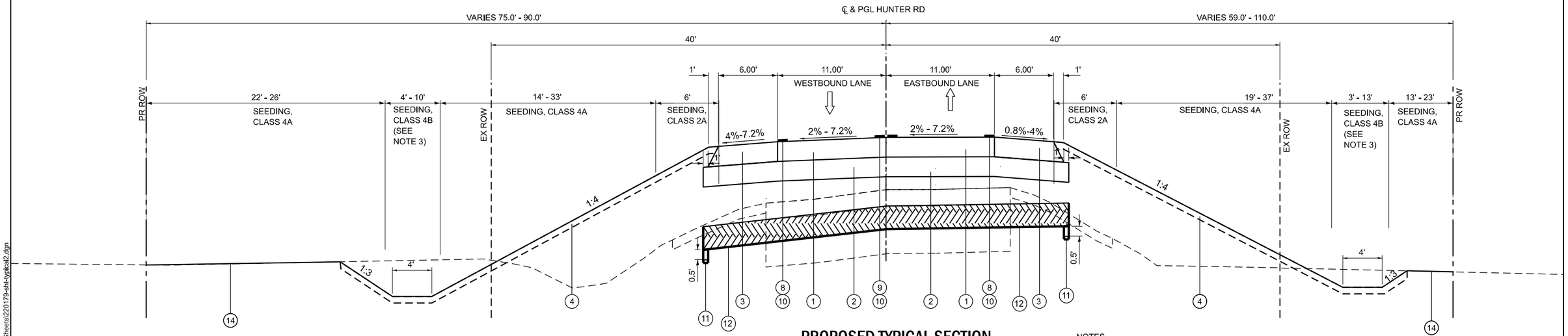
SCALE: N.T.S. | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	9
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



PROPOSED TYPICAL SECTION

STA. 23+95 TO STA. 26+59



PROPOSED TYPICAL SECTION

STA. 27+45 TO STA. 29+80.00

LEGEND PROPOSED

1. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
2. AGGREGATE SUBGRADE IMPROVEMENT 12"
3. HOT-MIX ASPHALT SHOULDERS, 8"
4. SEEDING & TOPSOIL FURNISH & PLACE, 6"
5. 2"-HMA SURFACE COURSE, IL-9.5, MIX "D", N50
6. VARIABLE DEPTH-HMA BINDER COURSE, IL-9.5, N50
7. VARIABLE DEPTH-HMA BINDER COURSE, IL-19.0, N50
8. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-STANDARD - LINE 4" (WHITE EDGE LINE)
9. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4" (DOUBLE YELLOW CENTER LINE)
10. GROOVING FOR RECESSED PAVEMENT MARKING 5"
11. PIPE UNDERDRAIN TYPE 2, 4"
12. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
13. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUT),12" BELOW AGG. SUBGRADE IMPR. 12"
14. SEEDING

NOTES

1. LONGITUDINAL JOINT SEALANT SHALL BE APPLIED BEFORE THE LAST LIFT OF HMA BINDER COURSE AND BEFORE THE SURFACE COURSE LIFT THROUGH THE HMA PAVEMENT (FD) 8" SEGMENT. "THE LONGITUDINAL JOINT SEALANT SHALL BE APPLIED ON HMA BINDER COURSE THROUGH THE RESURFACING SEGMENT."
2. BACKFILL PUD TYPE 2 PERFORATED PIPE SHALL BE COARSE AGGREGATE PER IDOT STANDARD SPECIFICATION 601.01.
3. SEEDING, CLASS 4B SHALL BE USED IN WETLAND AREA AND DITCH AREAS WHERE ELEVATIONS ARE AT 868 AND BELOW.
4. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE AT THE BASE OF UNDERCUT AREA WHERE LOW STRENGTH SUBGRADE SOILS ARE ENCOUNTERED.

MODEL: 220179-sht-typical2
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Phll\09-CADD\3_Sheets\220179-sht-typical2.dgn

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SUITE 201
ST. CHARLES, IL 60174
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USER NAME = kcortopassi	DESIGNED - KAC	REVISED -	
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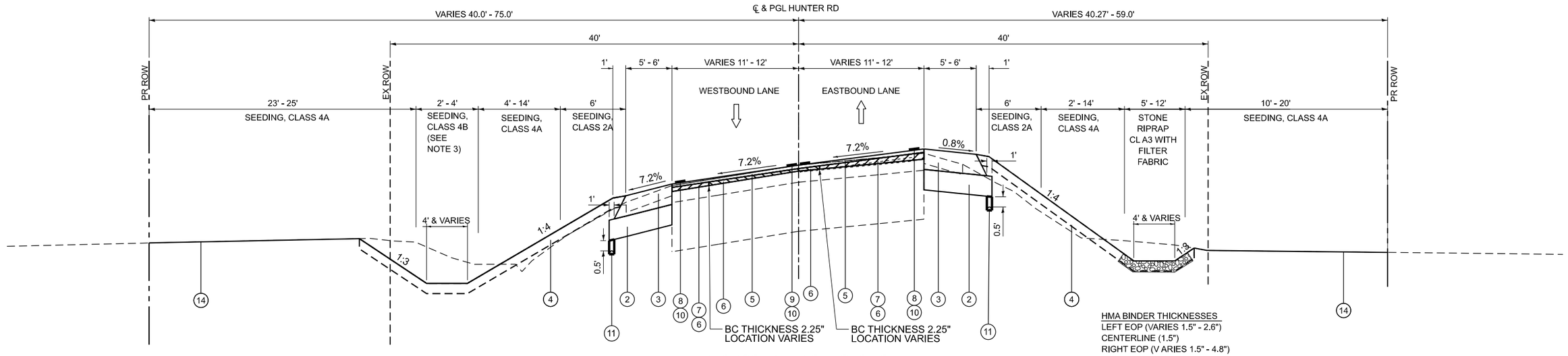
PLOT SCALE =	CHECKED - YOO	REVISED -	
PLOT DATE = 10/23/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
TYPICAL SECTIONS

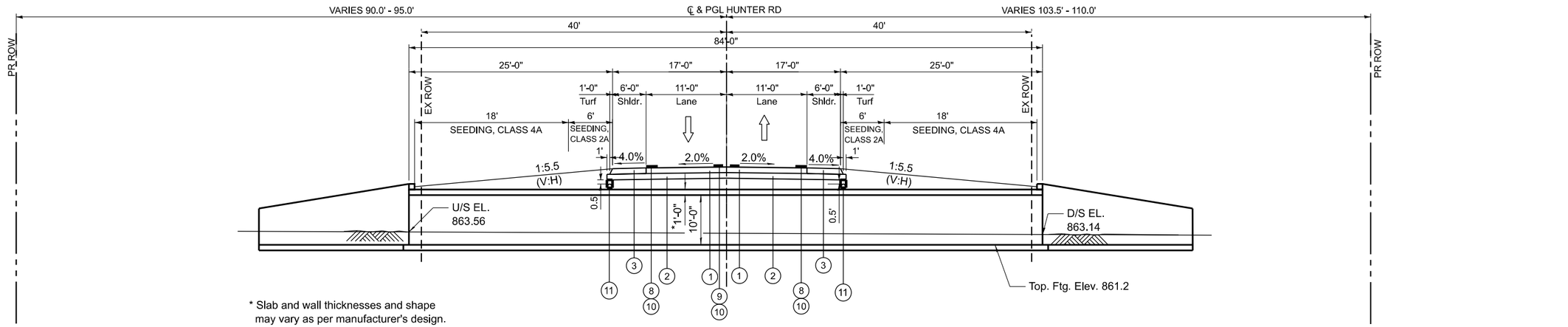
SCALE: N.T.S. | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	10
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



PROPOSED TYPICAL SECTION

STA. 29+80 TO STA. 30+40
(SUPERELEVATION TRANSITION RESURFACING)



* Slab and wall thicknesses and shape may vary as per manufacturer's design.

PROPOSED TYPICAL SECTION AT THREE-SIDE STRUCTURE

STA. 26+59 TO STA. 27+45

LEGEND PROPOSED

1. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
2. AGGREGATE SUBGRADE IMPROVEMENT 12"
3. HOT-MIX ASPHALT SHOULDERS, 8"
4. SEEDING & TOPSOIL FURNISH & PLACE, 6"
5. 2"-HMA SURFACE COURSE, IL-9.5, MIX "D", N50
6. 1.5" - 2.25" HMA BINDER COURSE, IL-9.5, N50
7. 2.25"- 4.8" HMA BINDER COURSE, IL-19.0, N50
8. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-STANDARD - LINE 4" (WHITE EDGE LINE)
9. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4" (DOUBLE YELLOW CENTER LINE)
10. GROOVING FOR RECESSED PAVEMENT MARKING 5"
11. PIPE UNDERDRAIN TYPE 2, 4"
12. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
13. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUT),12" BELOW AGG. SUBGRADE IMPR. 12"
14. SEEDING

NOTES

1. LONGITUDINAL JOINT SEALANT SHALL BE APPLIED BEFORE THE LAST LIFT OF HMA BINDER COURSE AND BEFORE THE SURFACE COURSE LIFT THROUGH THE HMA PAVEMENT (FD) 8" SEGMENT. THE LONGITUDINAL JOINT SEALANT SHALL BE APPLIED ON HMA BINDER COURSE THROUGH THE RESURFACING SEGMENT.
2. BACKFILL PUD TYPE 2 PERFORATED PIPE SHALL BE COARSE AGGREGATE PER IDOT STANDARD SPECIFICATION 601.01.
3. SEEDING, CLASS 4B SHALL BE USED IN WETLAND AREA AND DITCH AREAS WHERE ELEVATIONS ARE AT 868 AND BELOW.
4. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE AT THE BASE OF UNDERCUT AREA WHERE LOW STRENGTH SUBGRADE SOILS ARE ENCOUNTERED.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes	THICKNESS	QMP
HUNTER ROAD - HMA PAVEMENT (FULL-DEPTH), 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	4% @ 50 GYR.	2"	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.	6"	LR1030-2
HUNTER ROAD - HMA SHOULDERS, 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	4% @ 50 GYR.	2"	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.	6"	LR1030-2
HUNTER ROAD - RESURFACING			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	4% @ 50 GYR.	2"	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	4% @ 50 GYR.	1.5"-2.25"	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.	2.25"-4.8"	LR1030-2
QMP DESIGNATION QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2			

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 58-28" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

WBK ENGINEERING
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USER NAME = kcortopassi	DESIGNED - KAC	REVISED -	
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	CHECKED - YOO	REVISED -	
PLOT DATE = 11/1/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	11
		CONTRACT NO. 61K92		
		ILLINOIS	FED. AID PROJECT	

MODEL: 220179-sht-typ&all3
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Pht\09-CADD\3_Sheets\220179-sht-typ&all3.dgn

EARTHWORK SCHEDULE

LOCATION	END AREAS						EARTHWORK							TOPSOIL		
							20200100			20201200		20300100	20400800	21101505		21101625
	TOPSOIL STRIPING	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (RDWY EMBANKMENT)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (DITCH)	EARTH EXCAVATION	EARTH EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		CHANNEL EXCAVATION	FURNISHED EXCAVATION BALANCE WASTE(+) OR SHORTAGE(-)	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL PLACEMENT, 6"	TOPSOIL FURNISH AND PLACE, 6" BALANCE WASTE(+) OR SHORTAGE(-)
										RDWY EMBANKMENT	DITCH					
	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
MAINLINE																
23+95	18.5	18.2	24	0.4	47.5	14.5	0	0.0	0	0.0	0.0		0.00	15.4	15.1	0.3
24+50	36.9	36.2	17.7	36.4	47.5	40.9	42.5	36.1	37.5	96.8	56.4		-1.38	56.4	55.3	1.1
25+00	40.4	39.7	7.5	53.9	47.5	50.6	23.3	19.8	83.6	88.0	84.7		-63.78	71.6	70.3	1.3
25+50	44.5	44.1	0	77.8	47.5	67.3	6.9	5.9	121.9	88.0	109.2		-116.04	78.7	77.6	1.1
26+00	43.6	48.6	0.1	120.1	47.5	86.9	0.1	0.1	183.2	88.0	142.8		-183.16	81.6	85.8	-4.2
26+36	54.7	54.5	0	186		141.3	0.1	0.1	204.1		152.1		-204.01	65.5	68.7	-3.2
26+58					47.5					102.0						
26+86	0.0	24.7	0	132.6			0.0	0.0	295.0		130.8		-295.00	50.7	73.3	-22.6
27+15					47.5					0.0						
27+36	57.2	56.9	0	189		111.6	0.0	0.0	297.8		103.3		-297.78	53.0	75.6	-22.6
28+00	37.5	42.6	0	114.9	47.5	67.7	0.0	0.0	360.2	149.5	212.5		-360.18	112.3	118.0	-5.7
28+50	39.6	38.7	0	81.3	47.5	39.6	0.0	0.0	181.7	88.0	99.4		-181.67	71.4	75.3	-3.9
29+00	36.2	35.2	11	57.5	47.5	44.6	10.2	8.7	128.5	88.0	78.0		-119.86	70.1	68.5	1.6
29+50	33.6	32.6	24.6	44.9	47.5	34.9	33.0	28.0	94.8	88.0	73.6		-66.80	64.6	62.8	1.8
29+80	31.7	30.7	28.1	50.6	47.5	8.2	29.3	24.9	53.1	52.8	23.9		-28.17	36.3	35.2	1.1
30+40	10.9	11.3	9.3	13.7		0.2	41.6	35.3	71.4		9.3		-36.12	47.3	46.7	0.6
CREEK																
10+00		0.0	0.0	0.0					0.0			0.0	0.00		0.0	0.0
10+20		0.0	69.1	0.0					0.0			25.6	0.00		0.0	0.0
10+40		6.2	238.4	0.0					0.0			113.9	0.00		2.3	-2.3
10+60		0.0	167.6	13.0					4.8			150.4	-4.8		2.3	-2.3
10+80		0.0	91.7	0.5					5.0			96.0	-5.0		0.0	0.0
11+00		0.0	101.2	0.5					0.4			71.4	-0.4		0.0	0.0
11+20		0.0	105.8	0.0					0.2			76.7	-0.2		0.0	0.0
11+40		0.0	80.8	0.0					0.0			69.1	0.0		0.0	0.0
11+60		2.8	219.2	0.0					0.0			111.1	0.0		1.0	-1.0
11+80		0.0	140.6	0.0					0.0			133.3	0.0		1.0	-1.0
12+00		0.0	56.1	0.0					0.0			72.9	0.00		0.0	0.0
TOTAL (CU YD)=							186.9		2123.1	928.9	1276.1	920.3	-1964.3	874.9	934.9	-60.0
ADJUSTED TOTAL (CU YD)=							190.0		2125	930	1280	920	-1965	875	935	60.0

EARTHWORK GENERAL NOTES

ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING PLAN CROSS SECTIONS.

SHRINKAGE FACTOR, ASSUMED TO BE 15% FOR THIS PROJECT IS ESTIMATED FOR THE PURPOSE OF DETERMINING A BALANCE OF EARTHWORK. THE CONTRACTORS SHALL ESTIMATE THEIR OWN SHRINKAGE FACTORS IN DETERMINING THE EARTHWORK. NO PAYMENT WILL BE MADE ON EARTHWORK QUANTITIES DUE TO VARIATION IN THE SHRINKAGE FACTOR SINCE EARTHWORK IS MEASURED IN ITS FINAL POSITION.

THE AVERAGE THICKNESS OF SIX (6) INCHES OF EX. TOPSOIL WAS USED IN CALCULATING TOPSOIL STRIPPING QUANTITIES. ACTUAL TOPSOIL STRIPPING SHALL BE DETERMINED IN THE FIELD.

NO SHRINKAGE FACTOR WAS APPLIED WHEN CALCULATING TOPSOIL QUANTITIES.

TOPSOIL STRIPPING WILL BE MEASURED FOR PAYMENT AS "TOPSOIL EXCAVATION AND PLACEMENT".

EARTH EXCAVATION WILL ALSO INCLUDE ALL AGGREGATE BASE COURSES, AGGREGATE SUB-BASES, AGGREGATE SURFACES AND AGGREGATE SHOULDERS.

EARTH AND TOPSOIL EXCAVATION SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTOR'S OPERATIONS THAT REQUIRE TEMPORARY STOCKING OF MATERIALS FOR LATER USE FOR REDISTRIBUTION AND RESPREADING IN SHOULDERS AND CONSTRUCTING OF EMBANKMENTS.

TOPSOIL EXCAVATION INCLUDES EXCAVATION, TEMPORARY STOCKPILING, PLACEMENT IN ITS FINAL POSITION AND TRANSPORTING SURPLUS MATERIAL FROM THE SITE.

PER SECTION 502 OF THE IDOT SSRBC, MATERIAL EXCAVATED AS PART OF THE COFFERDAM EXCAVATION PAY ITEM CAN BE REUSED IF DETERMINED IN THE FIELD TO BE SUITABLE MATERIAL FOR BACKFILL OR EMBANKMENT. ANY MATERIAL DEEMED NON-SUITABLE AS PART OF THIS EXCAVATION SHALL BE DISPOSED OF OFF SITE. THE HANDLING OF THE COFFERDAM EXCAVATION MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE OF THE COFFERDAM EXCAVATION.

UNDERCUT NOTES

UNDERCUTS WILL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL". AGGREGATE SUBGRADE IMPROVEMENT WILL BE USED TO REPLACE THE REMOVED UNSUITABLE MATERIALS.

THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. ALL POTENTIAL UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE PROPOSED EMBANKMENT GRADING WILL INCLUDE FILLING THE EXISTING DITCHES. LOW STRENGTH UNSUITABLE SOILS MAY BE ENCOUNTERED AT THE BASE. POOR SOILS SHALL BE UNDERCUT AND REMOVED. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHOULD BE PLACED AT ANY UNDERCUTS. A NOMINAL QUANTITY HAS BEEN ACCOUNTED FOR THESE ITEMS. FABRIC SHOULD MEET THE REQUIREMENTS OF ARTICLE 210, FABRIC FOR GROUND STABILIZATION, OF THE SSRBC.

MODEL: Sch1 [Sheet]
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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = lvo	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - YOO	REVISED -	
PLOT DATE = 10/30/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HUNTER ROAD OVER LITTLE BEAVER CREEK

SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	12
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
21001000

STATION	STATION	WIDTH (FEET)	AREA (SQFT)	AREA (SQ YD)
23+95	26+56	38.0	9,918.00	1,102.00
27+16	28+00	38.0	3,192.00	354.67
28+00	29+80	38.0	6,840.00	760.00
			TOTAL	2,217

SEEDING, CLASS 2A
25000210

STATION	STATION	O/S	WIDTH (FEET)	AREA (SQFT)	QUANTITY (ACRE)
23+95	28+00	LEFT	6.00	2,430.00	0.06
28+00	30+40	LEFT	6.00	1,440.00	0.03
23+95	28+00	RIGHT	6.00	2,430.00	0.06
28+00	30+40	RIGHT	6.00	1,440.00	0.03
				TOTAL	0.25

NOTE: SOQ ROUNDED TO THE NEAREST 0.25 ACRE INCREMENTS

SEEDING, CLASS 4A
25000210

STATION	STATION	O/S	AREA (SQFT)	QUANTITY (ACRE)
23+80	26+29	LEFT	4046.81	0.09
27+00	28+00	LEFT	2643.50	0.06
23+95	28+00	LEFT	7256.17	0.17
28+00	31+00	LEFT	6788.30	0.16
28+00	30+40	LEFT	3848.40	0.09
23+95	26+59	RIGHT	3266.93	0.07
23+95	28+00	RIGHT	9116.25	0.21
27+39	28+00	RIGHT	1502.23	0.03
28+00	30+40	RIGHT	4348.99	0.10
28+00	30+76	RIGHT	3933.56	0.09
TOTAL				1.25

NOTE: SOQ ROUNDED TO THE NEAREST 0.25 ACRE INCREMENTS

SEEDING, CLASS 4B
25000210

STATION	STATION	O/S	AREA (SQFT)	QUANTITY (ACRE)
24+11	26+35	LEFT	2,409.60	0.06
26+26	26+64	LEFT	785.22	0.02
26+56	27+20	LEFT	1,396.68	0.03
27+19	28+00	LEFT	631.60	0.01
28+00	30+33	LEFT	946.80	0.02
24+11	26+52	RIGHT	2,733.70	0.06
26+52	26+88	RIGHT	1,490.81	0.03
26+52	27+36	RIGHT	1,153.11	0.03
27+36	28+00	RIGHT	593.20	0.01
28+00	29+83	RIGHT	659.70	0.02
			TOTAL	0.50

NOTE: SOQ ROUNDED TO THE NEAREST 0.25 ACRE INCREMENTS

NITROGEN FERTILIZER NUTRIENT
25000400

STATION	STATION	O/S	AREA (SEE SEEDING CL 2A) (SQFT)	AREA (ACRE)	QUANTITY (POUNDS) @ 90 LBS/ACRE
23+95	28+00	LEFT	2,430.00	0.06	5.02
23+95	28+00	RIGHT	1,440.00	0.03	2.98
28+00	30+40	LEFT	2,430.00	0.06	5.02
28+00	30+40	RIGHT	1,440.00	0.03	2.98
				TOTAL	16

POTASSIUM FERTILIZER NUTRIENT
25000600

STATION	STATION	O/S	AREA (SEE SEEDING CL 2A) (SQFT)	AREA (ACRE)	QUANTITY (POUNDS) @ 90 LBS/ACRE
23+95	28+00	LEFT	2430.00	0.06	5.0
23+95	28+00	RIGHT	1440.00	0.03	3.0
28+00	30+40	LEFT	2430.00	0.06	5.0
28+00	30+40	RIGHT	1440.00	0.03	3.0
				TOTAL	16

TEMPORARY EROSION CONTROL SEEDING
28000250

SEED CLASS	AREA (ACRE)	APPLICATIONS	QUANTITY (POUNDS) @100 LBS/ACRE
SEE CLASS 2A AREAS	0.25	3	75.0
SEE CLASS 4A AREAS	1.25	3	375.0
SEE CLASS 4B AREAS	0.50	3	150.0
		TOTAL	600

TEMPORARY DITCH CHECKS
28000305

STATION	STATION	O/S	NUMBER OF CHECKS	LENGTH PER CHECK	QUANTITY (FOOT)
23+95	28+00	LEFT	4.0	14.0	56.0
23+95	28+00	RIGHT	4.0	14.0	56.0
28+00	30+40	LEFT	2.0	14.0	28.0
28+00	30+40	RIGHT	3.0	14.0	42.0
				TOTAL	182

PERIMETER EROSION BARRIER
28000400

STATION	STATION	O/S	QUANTITY (FOOT)
23+95	28+00	LEFT	722.9
23+95	28+00	RIGHT	694.9
28+00	30+40	LEFT	465.0
28+00	30+40	RIGHT	499.2
ESTIMATED FOR STOCK PILE(S)			100.0
		TOTAL	2,482

TEMPORARY EROSION CONTROL BLANKET
28001100

SEED CLASS	AREA (SQ FT)	APPLICATIONS	QUANTITY (SQ YD)
SEE CLASS 2A AREA	7740.00	3	2580.0
SEE CLASS 4A AREA	46751.15	3	15583.7
SEE CLASS 4B AREA	12800.42	3	4266.8
		TOTAL	22,431

STONE RIPRAP, CLASS A3
28100105

STATION	STATION	O/S	AREA (SQFT)	QUANTITY (SQYD)
23+95	24+10	LEFT	149.76	16.64
23+95	24+10	RIGHT	161.37	17.93
29+80	30+40	RIGHT	481.23	53.47
			TOTAL	88

FILTER FABRIC
28200200

STATION	STATION	O/S	AREA (SQFT)	QUANTITY (SQYD)
23+95	24+10	LEFT	149.76	16.64
23+95	24+10	RIGHT	161.37	17.93
29+80	30+40	RIGHT	481.23	53.47
WEST SIDE OF CREEK		LEFT	785.22	87.25
EAST SIDE OF CREEK		LEFT	1396.68	155.19
WEST SIDE OF CREEK		RIGHT	1490.81	165.65
EAST SIDE OF CREEK		RIGHT	1153.11	128.12
WEST SIDE OF CREEK			1213.35	134.82
EAST SIDE OF CREEK			1243.14	138.13
			TOTAL	897

ARTICULATED BLOCK REVETMENT MAT
28500400

STATION	STATION	O/S	AREA (SQFT)	QUANTITY (SQYD)
WEST SIDE OF CREEK		LEFT	785.22	87.25
EAST SIDE OF CREEK		LEFT	1396.68	155.19
WEST SIDE OF CREEK		RIGHT	1490.81	165.65
EAST SIDE OF CREEK		RIGHT	1153.11	128.12
WEST SIDE OF CREEK			1213.35	134.82
EAST SIDE OF CREEK			1243.14	138.13
			TOTAL	809

AGGREGATE SUBGRADE IMPROVEMENT
30300001

STA	STA	LENGTH (FEET)	WIDTH (FEET)	ESTIMATED DEPTH (FOOT)	EST. TOTAL VOLUME (CUYD)
23+95	26+58	263	38	1.00	370.1
27+15	29+80	265.0	38	1.00	373.0
25% extra per IDOT					185.8
				TOTAL	930

NOTE: SOQ ROUNDED TO THE NEAREST 5.0 CU YD

AGGREGATE SUBGRADE IMPROVEMENT 12"
30300112

STATION	STATION	O/S		AREA (SQFT)	QUANTITY (SQYD)
23+95	28+00	19.0	LT	7695.00	855.00
23+95	28+00	19.0	RT	7695.00	855.00
28+00	29+80	19.0	LT	3420.00	380.00
28+00	29+80	19.0	RT	3420.00	380.00
29+80	30+40	7.0	LT	420.00	46.67
29+80	30+40	7.0	RT	420.00	46.67
				TOTAL	2,563

BITUMINOUS MATERIALS (PRIME COAT)
40600275

STATION	STATION	O/S	ROADWAY (SQFT)	SHOULDER (SQFT)	TOTAL AREA (SQFT)	QUANTITY (POUNDS)
23+95	28+00	LT/RT	8,910.00	4,860.00	13,770.00	3,442.50
28+00	29+80	LT/RT	3,960.00	2,160.00	6,120.00	1,530.00
29+80	30+40	LT/RT	-	720.00	720.00	180.00
TOTAL						5,153

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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - YOO	REVISED -	
PLOT DATE = 9/26/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HUNTER ROAD OVER LITTLE BEAVER CREEK

SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	13
		CONTRACT NO. 61K92		
		ILLINOIS	FED. AID PROJECT	

BITUMINOUS MATERIALS (TACK COAT)
40600290

STATION	STATION	O/S	ROADWAY (SQFT)	SHOULDER (SQFT)	TOTAL AREA (SQFT)	QUANTITY (POUNDS)
23+95	28+00	LT/RT	8,910.00	4,860.00	13,770.00	1,377.0
28+00	29+80	LT/RT	3,960.00	2,160.00	6,120.00	612.0
29+80	30+40	LT/RT	1,380.00	720.00	2,100.00	210.0
TOTAL						2,199

LONGITUDINAL JOINT SEALANT
40600370

STATION	STATION	LOCATION	LENGTH (FOOT)	NO. OF APPLICATIONS	QUANTITY (FOOT)
23+95	28+00	CENTERLINE	405	2	810
28+00	29+80	CENTERLINE	180	2	360
29+80	30+40	CENTERLINE	60	3	180
				TOTAL	1,350

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
40600982

STATION	STATION	WIDTH (FEET)	AREA (SQFT)	QUANTITY (SQYD)
30+36	30+40	24	108.0	12.0
			TOTAL	12

HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50
40602978

STATION	STATION	LOCATION	AREA (SQFT)	AREA (SQYD)	THICKNESS (INCH)	QUANTITY (TON)
29+80	30+40	LT	668	74.20	1.80	7.48
29+80	30+40	RT	349	38.75	1.90	4.12
					TOTAL	12

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
40603080

STATION	STATION	LOCATION	AREA (SQFT)	AREA (SQYD)	THICKNESS (INCH)	QUANTITY (TON)
29+80	30+10	LT	74	8.24	2.34	1.08
29+80	30+30	RT	393	43.70	2.91	7.12
					TOTAL	9

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50
40604060

STATION	STATION	LOCATION	AREA (SQFT)	AREA (SQYD)	THICKNESS (INCH)	QUANTITY (TON)
29+80	30+40	LT/RT	1,484	164.89	2.0	18.47
					TOTAL	19

HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
40701841

STATION	STATION	O/S	AREA (SQFT)	QUANTITY (SQYD)
23+95	28+00	22.0	8,910	990.00
28+00	29+80	22.0	3,960	440.00
			TOTAL	1,430

PAVEMENT REMOVAL
44000100

STATION	STATION	O/S	AREA (SQFT)	QUANTITY (SQYD)
23+95	26+68	LT/RT	6,701	744.54
27+12	28+00	LT/RT	6,610	734.48
			TOTAL	1,479

HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
44000163

STATION	STATION	O/S	AREA (SQFT)	QUANTITY (SQYD)
29+80	30+40	LT/RT	1,484	164.89
			TOTAL	165

HOT-MIX ASPHALT SHOULDERS, 8"
48203029

STATION	STATION	O/S	AREA (SQFT)	AREA (SQYD)	QUANTITY (SQYD)
23+95	28+00	LEFT	6.00	2430.00	270.00
23+95	28+00	RIGHT	6.00	2430.00	270.00
28+00	29+80	LEFT	6.00	1080.00	120.00
28+00	29+80	RIGHT	6.00	1080.00	120.00
29+80	30+40	LEFT	6.00	360.00	40.00
29+80	30+40	RIGHT	6.00	360.00	40.00
				TOTAL	860

CONCRETE HEADWALLS FOR PIPE DRAINS
60100060

STATION	STATION	QUANTITY (FOOT)
23+95	LEFT	1
23+95	RIGHT	1
26+00	LEFT	1
26+00	RIGHT	1
28+00	LEFT	2
28+00	RIGHT	2
	TOTAL	8

PIPE UNDERDRAINS 4" (SPECIAL)
60108100

STATION	O/S	QUANTITY (FOOT)
23+95	LEFT	10.0
23+95	LEFT	10.0
23+95	RIGHT	10.0
23+95	RIGHT	10.0
26+00	LEFT	32.5
26+00	LEFT	32.5
26+00	LEFT	31.5
26+00	LEFT	31.5
29+30	LEFT	17.7
29+30	LEFT	17.7
29+32	LEFT	17.7
29+30	RIGHT	21.6
29+30	RIGHT	21.6
29+32	RIGHT	21.6
	TOTAL	286

PIPE UNDERDRAINS, TYPE 2, 4"
60108204

STATION	STATION	O/S	QUANTITY (FOOT)
23+95	28+00	LEFT	405
23+95	28+00	RIGHT	405
28+00	30+40	LEFT	240
28+00	30+40	RIGHT	240
23+95 ACROSS ROAD			34
26+00 ACROSS ROAD			34
30+40 ACROSS ROAD			34
		TOTAL	1,392

GUARDRAIL REMOVAL
63200310

STATION	STATION	LOCATION	QUANTITY (FOOT)
25+65.10	28+07.50	LEFT	235
25+72.40	28+00.00	RIGHT	228
28+00.00	28+07.50	LEFT	8
28+00.00	28+14.70	RIGHT	15
		TOTAL	486

FURNISHING AND ERECTING RIGHT OF WAY MARKERS
66600105

STATION	OFFSET		QUANTITY (EACH)
23+80.00	41.0	Left	1
23+80.00	50.0	Left	1
26+95.00	60.0	Left	1
31+00.00	40.0	Left	1
23+95.00	40.0	Right	1
23+95.00	55.0	Right	1
26+22.00	75.0	Right	1
26+65.00	110.0	Right	1
27+45.45	110.0	Right	1
27+39.20	95.0	Right	1
28+65	60.0	Right	1
30+03.34	60.0	Right	1
		TOTAL	13

PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"
78004620

STATION	STATION	LOCATION	COLOR	# OF LINES	QUANTITY (FOOT)
23+95	28+00	DOUBLE CENTERLINE	YELLOW	2	810
23+95	28+00	EDGE RT	WHITE	1	405
23+95	28+00	EDGE LT	WHITE	1	405
28+00	29+80	DOUBLE CENTERLINE	YELLOW	2	360
28+00	29+80	EDGE RT	WHITE	1	180
28+00	29+80	EDGE LT	WHITE	1	180
29+80	30+40	DOUBLE CENTERLINE	YELLOW	2	120
29+80	30+40	EDGE RT	WHITE	1	60
29+80	30+40	EDGE LT	WHITE	1	60
				TOTAL	2,580

GROOVING FOR RECESSED PAVEMENT MARKING 5"
78011025

STATION	STATION	LOCATION	# OF LINES	QUANTITY (FOOT)
23+95	28+00	DOUBLE CENTERLINE	2	810
23+95	28+00	EDGE RT	1	405
23+95	28+00	EDGE LT	1	405
28+00	29+80	DOUBLE CENTERLINE	2	360
28+00	29+80	EDGE RT	1	180
28+00	29+80	EDGE LT	1	180
29+80	30+40	DOUBLE CENTERLINE	2	120
29+80	30+40	EDGE RT	1	60
29+80	30+40	EDGE LT	1	60
			TOTAL	2,580

EROSION CONTROL BLANKET (SPECIAL)
X2511630

SEED CLASS	AREA (SQ FT)	QUANTITY (SQ YD)
SEE CLASS 2A AREA	7740.00	860.0
SEE CLASS 4A AREA	46751.15	5,194.6
SEE CLASS 4B AREA	7974.60	886.1
	TOTAL	6941

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HUNTER ROAD OVER LITTLE BEAVER CREEK

SCALE: N.T.S. | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	14
		CONTRACT NO. 61K92		
		ILLINOIS	FED. AID PROJECT	

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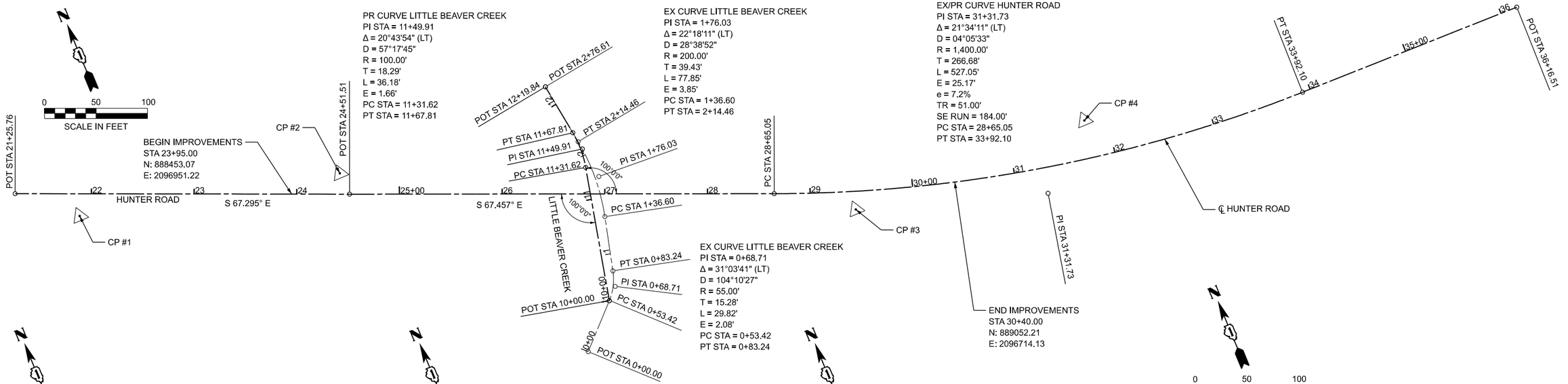

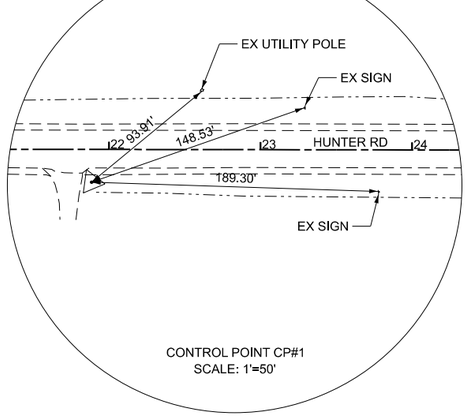

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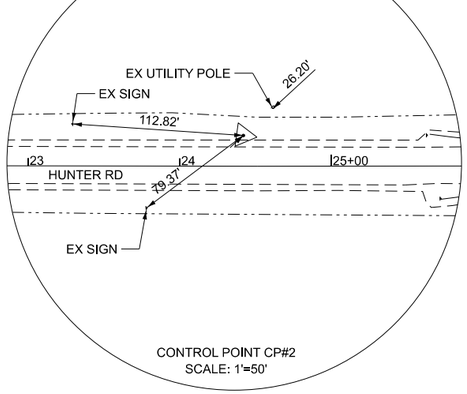
SCALE: 1'=50'



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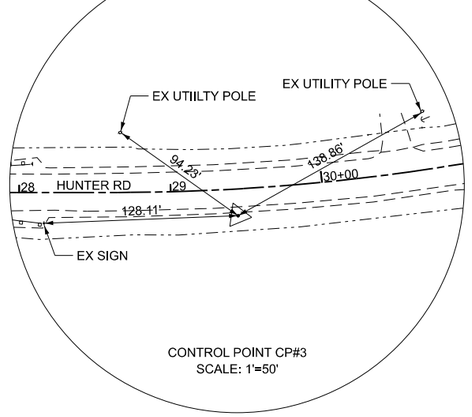

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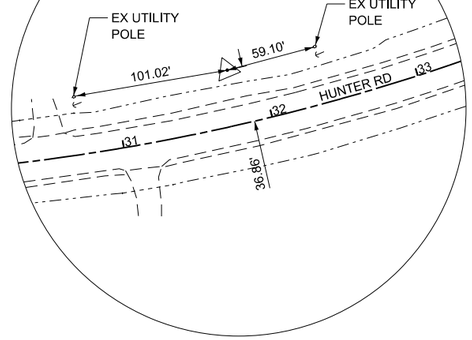


CONTROL POINT CP#4
SCALE: 1'=50'

HORIZONTAL CONTROL POINTS (NAD 83)							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
CP #1	2097010.917	888254.298	872.56	PrHunterRd	21+88.59	21.62' RT	CAPPED IRON ROD
CP #2	2096951.681	888504.244	872.78	PrHunterRd	24+42.03	20.18' LT	CAPPED IRON ROD
CP #3	2096726.273	888954.596	874.73	PrHunterRd	29+43.50	17.55' RT	CAPPED IRON ROD
CP #4	2096720.394	889193.325	874.46	PrHunterRd	31+77.96	36.85' LT	CAPPED IRON ROD

BENCH MARKS (NAD 83 - 2011)							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
BM #1	2096801.183	891355.584	910.68	N/A	N/A	N/A	STAINLESS STEEL ROD IN SLEEVE (10 FT. +) (SEE ADDITIONAL BM #1 LOCATION DESCRIPTION ON THIS SHEET)

BM #1 LOCATION DESCRIPTION

NATIONAL GEODETIC SURVEY BENCH MARK: AJ2984

DESCRIBED BY SMITH ENG CONS INC 2000 (MRF)
STATION IS LOCATED APPROXIMATELY 3.2 MI WEST OF HARVARD, 1.5 MI EAST OF BOONE/MCHENRY COUNTY LINE IN SECTION 32, T46N, R5E. TO REACH FROM THE JUNCTION OF IL RT 173 AND WHITE OAKS RD PROCEED NORTH ON WHITE OAKS RD 0.5 MI TO THE STATION LOCATED 26.4 FT WEST OF CENTERLINE OF WHITE OAKS RD. STATION IS LOCATED 170 FT NORTH OF CENTERLINE OF HUNTER RD, 155 FT NORTH OF CENTERLINE OF AGGREGATE FIELD ENTRANCE, 188 FT SOUTH OF CENTERLINE OF AGGREGATE DRIVEWAY, 172 FT SOUTH OF POWERPOLE (PP), 27.2 FT SOUTH OF PP, AND 90 FT NORTH OF PP, AND 2 FT EAST OF ORANGE FIBERGLASS WITNESS POST. NOTE - ACCESS TO DATUM POINT THROUGH 6 INCH LOGO CAP. DATUM POINT IS 0.35 FT BELOW CAP. PK NAILS WERE SET IN WOOD PHYSICAL TIES. (WB)

DATUM: NAD 83 (2011)

LEGEND

= BENCH MARK (BM) LOCATION

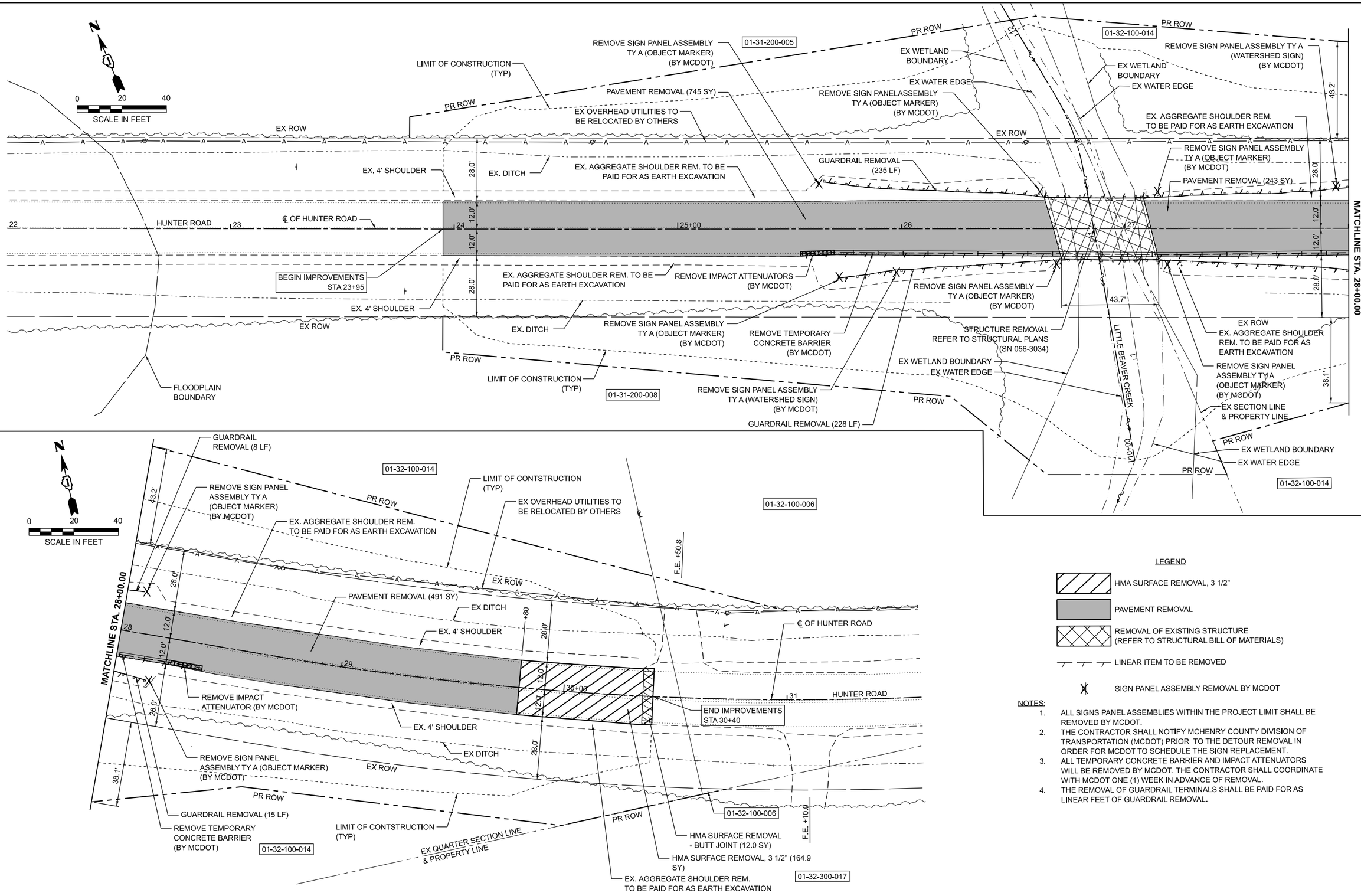
= HORIZONTAL CONTROL POINT (HCP) LOCATION

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HUNTER ROAD OVER LITTLE BEAVER CREEK ALIGNMENT, TIES, AND BENCHMARKS
	DRAWN - SMN	REVISED -		
PLOT SCALE =	CHECKED - YOO	REVISED -		
PLOT DATE = 9/17/2024	DATE - 10/31/2024	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	15
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

MODEL: 220179-sht-atb.dgn
FILE NAME: z:\2022\220179 HunterRdBridgeReplacement\Phill\09-CADD\3_Sheets\220179-sht-ATB.dgn



LEGEND

- HMA SURFACE REMOVAL, 3 1/2"
- PAVEMENT REMOVAL
- REMOVAL OF EXISTING STRUCTURE (REFER TO STRUCTURAL BILL OF MATERIALS)
- LINEAR ITEM TO BE REMOVED
- SIGN PANEL ASSEMBLY REMOVAL BY MCDOT

NOTES:

1. ALL SIGNS PANEL ASSEMBLIES WITHIN THE PROJECT LIMIT SHALL BE REMOVED BY MCDOT.
2. THE CONTRACTOR SHALL NOTIFY MCHENRY COUNTY DIVISION OF TRANSPORTATION (MCDOT) PRIOR TO THE DETOUR REMOVAL IN ORDER FOR MCDOT TO SCHEDULE THE SIGN REPLACEMENT.
3. ALL TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS WILL BE REMOVED BY MCDOT. THE CONTRACTOR SHALL COORDINATE WITH MCDOT ONE (1) WEEK IN ADVANCE OF REMOVAL.
4. THE REMOVAL OF GUARDRAIL TERMINALS SHALL BE PAID FOR AS LINEAR FEET OF GUARDRAIL REMOVAL.

WBK ENGINEERING
116 WEST MAIN STREET
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ST. CHARLES, IL 60174
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	DRAWN - SMN	REVISED -	
PLOT SCALE =	CHECKED - YOO	REVISED -	
PLOT DATE = 9/17/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
REMOVAL PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 23+95.00 TO STA. 30+40.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	16
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

MODEL: Removal Plan 1
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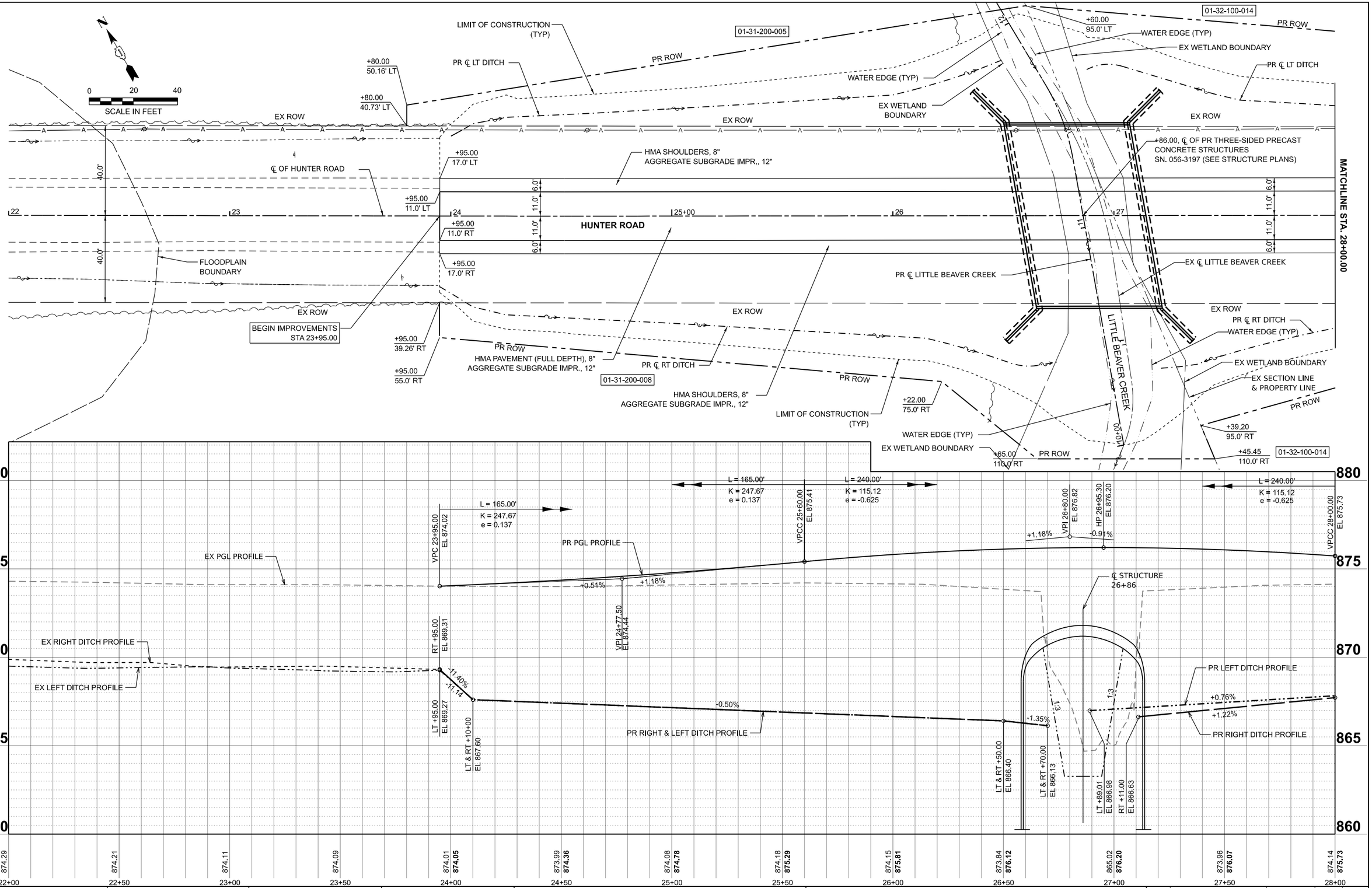


MODEL: PrHunterRd - Hunter Rd PlnPrf1-1
FILE NAME: P:\2022\220179 HunterRdBridgeReplacement\Phase1\009-CADD\3_Sheets\220179-sht-plnprf01.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
	CHECKED - YOO	REVISED -
PLOT DATE = 10/25/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 22+00.00 | TO STA. 28+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	17
		CONTRACT NO. 61K92		
		ILLINOIS FED. AID PROJECT		

HMA PAVEMENT (FULL DEPTH), 8"
AGGREGATE SUBGRADE IMPR., 12"
01-32-100-014

HMA SHOULDERS, 8"
AGGREGATE SUBGRADE IMPR., 12"

LIMIT OF CONTSTRUCTION
(TYP)

PR ℄ LT DITCH

PR ROW

EX ROW

MATCHLINE STA. 28+00.00

℄ HUNTER ROAD

HUNTER ROAD

6.0' 11.0' 11.0' 6.0'

28 29

+80

+40.00
12.5' LT

30+00

END IMPROVEMENTS
STA 30+40.00

+40.00
12.7' RT

31 32 33

4.0' 12.0' 13.0' 4.0'

40.0' 40.0'

EX ℄ LT DITCH

EX ℄ RT DITCH

EX ROW

PR ROW

+65.05
60.0' RT

HMA SHOULDERS, 8"
AGGREGATE SUBGRADE IMPR., 12"

01-32-100-014

PR ℄ RT DITCH

+03.34
60.00' RT

LIMIT OF CONSTRUCTION
(TYP)

QUARTER SECTION LINE
& PROPERTY LINE

+73.66
40.27' RT

01-32-100-006

F.E. +10.0

EX PIPE CULVERT
(NOT FOUND IN FIELD)

01-32-300-017

FLOODPLAIN
BOUNDARY

01-32-100-006

F.E. +50.8

EX 12" C.M.P.

31+00
39.65' LT

N

0 20 40
SCALE IN FEET

LEGEND

HMA RESURFACING & SUPERELEVATION CORRECTION
2" - HMA SURFACE COURSE, IL-9.5, MIX "D", N50
1.5" - 2.25" - HMA BINDER COURSE, IL-9.5, N50
2.25" - 4.8" - HMA BINDER COURSE, IL-19.0, N50

880 875 870 865 860

L = 180.00'
K = 143.54
e = 0.282

VPRC 28+00.00
EL 875.73

PR PGL PROFILE

-0.91% +0.34%

VPI 28+90.00
EL 874.91

LP 29+30.56
EL 875.13

L = 180.00'
K = 143.54
e = 0.282

VPT 29+80.00
EL 875.22

EX PGL PROFILE

EX PGL PROFILE

PR RIGHT DITCH PROFILE

PR LEFT DITCH PROFILE

+1.27% +0.76%

RT +80.00
EL 870.00

LT +80.00
EL 869.19

+3.61% +1.38%

RT +40.00
EL 872.167

LT +33.93
EL 869.933

EX 12" DIA. C.M.P.

874.14 875.73 | 874.32 875.36 | 874.67 875.17 | 875.05 875.15 | 875.34 875.34 | 875.59 875.54 | 875.95 | 876.77 | 877.85 | 878.82

28+00 28+50 29+00 29+50 30+00 30+50 31+00 31+50 32+00 32+50 33+00 33+50 34+00

MODEL: P:\HunterRd - Hunter Rd Plh\Prf2-1
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Phll\09-CADD\3_Sheets\220179-sht-dhnprf02.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

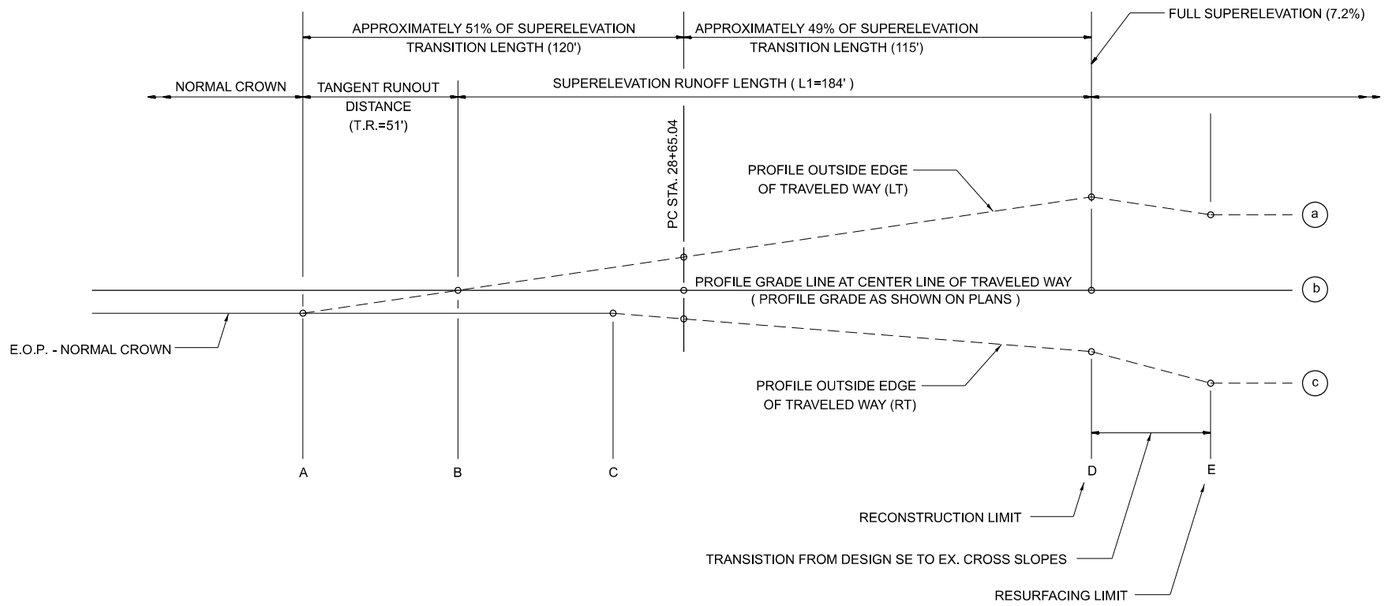
USER NAME = sneville	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - YOO	REVISED -	
PLOT DATE = 8/6/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 28+00.00 | TO STA. 34+00.00

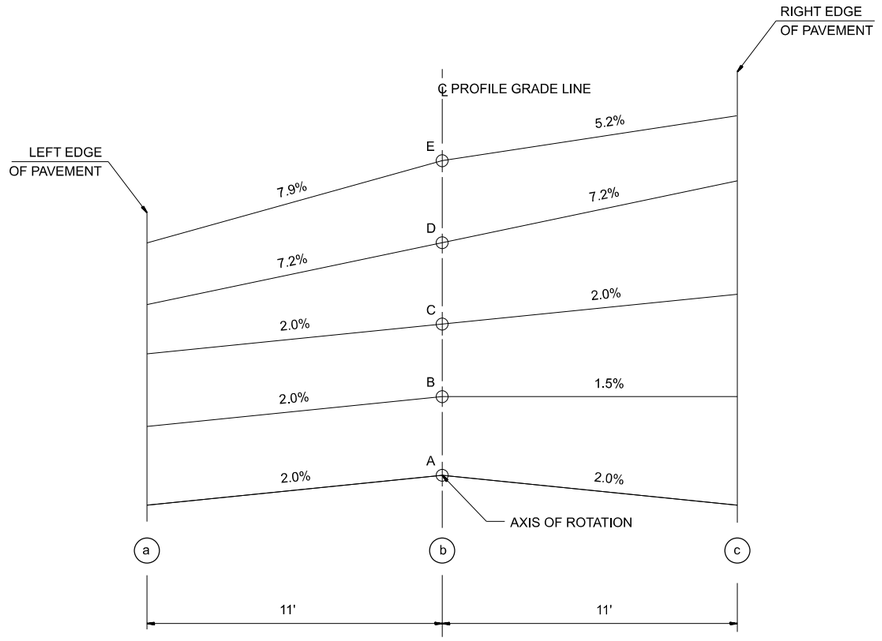
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	18
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



TYPICAL PROFILE - S.E. TRANSITION

CURVE DATA

P.I. STA= 31+31.73
Δ= 21°34'11" (LT)
R= 1,400.00'
T= 266.68'
L= 527.05'
E= 25.17'
e= 7.2%
T.R.= 51.0'
S.E. RUN= 184'
P.C. STA= 28+65.04
P.T. STA= 33+92.09



TYPICAL CROSS SECTION - S.E. TRANSITION

TABLE OF SUPERELEVATION BREAK POINT LOCATIONS AND ELEVATIONS

CURVE NO.	e	A	B	C	D	E	TRANSITION
1	7.2%	27+45.00	27+96.00	28+47.10	29+80.00	30+40.00	TRANS. IN
		876.10	875.76	875.38	875.22	875.54'	

NOTES:

1. ROUND ALL BREAK POINTS IN THE FIELD

WBK ENGINEERING
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SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - YOO	REVISED -	
PLOT DATE = 11/1/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SUPERELEVATION TRANSITION DETAIL

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	19
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

1. THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT ARE DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION (SPECIAL)" IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH MCHENRY COUNTY DIVISION OF TRANSPORTATION (MCDOT), BOONE COUNTY HIGHWAY DEPARTMENT (BCHD), AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 1 AND DISTRICT 2 REGARDING THE PERIOD OF CLOSURE OF HUNTER ROAD AND SHALL ALSO BE RESPONSIBLE FOR ALL SIGNAGE AND CHANGEABLE MESSAGES SIGNS REGARDING THIS CLOSURE. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED PRIOR TO CONSTRUCTION AT THE LOCATIONS DETERMINED BY THE ENGINEER AND PAID FOR AS "CHANGEABLE MESSAGE SIGN" (CAL MO.)

3. TEMPORARY INFORMATION SIGNS SHALL BE PLACED PRIOR TO THE CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.

4. THE CONTRACTOR SHALL CONTACT MCHENRY COUNTY DIVISION OF TRANSPORTATION (MCDOT), BOONE COUNTY HIGHWAY DEPARTMENT (BCHD), AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 1 AND DISTRICT 2 AT LEAST TWO (2) WEEKS IN ADVANCE OF THE INSTALLATION OF THE PROPOSED DETOUR.

5. ALL DETOUR SIGNS SHALL BE POST MOUNTED PER APPLICABLE SIGN MOUNTING STANDARDS.

6. SIGN LOCATION MAY BE ADJUSTED TO FIT FIELD CONDITIONS WITH THE PRIOR APPROVAL OF THE ENGINEER.

7. ALL DETOUR SIGNING SHALL BE NEW OR IN LIKE NEW CONDITION.

8. ALL SIGN COLORS SHALL BE ACCORDING TO THE LATEST EDITION OF THE MUTCD.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL DETOUR SIGNING AND APPURTENANCES ARE OPERATIONAL 24 HOURS A DAY, 7 DAYS A WEEK WHILE THE DETOUR IS IN EFFECT. THIS INCLUDES MAINTAINING THE VISIBILITY OF ALL CONSTRUCTION AND DETOUR SIGNING, INCLUDING CLEARING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.

10. WHEN DETOUR SIGNS ARE TO BE PLACED, THE AREA NEEDS TO BE MARKED BY JULIE, FLAGS PLACED, ONCE THE DETOUR SIGN IS INSTALLED, ALL OF THE JULIE MARKING FLAGS ARE REQUIRED TO BE REMOVED AND DISPOSED OF PROPERLY.

11. WHEN THE DETOUR ROUTE SIGNS ARE INSTALLED, CARE AND CONSIDERATION ARE TO BE GIVEN TO THE INSTALLATION (TEMPORARY SIGNPOST WINGS NEED TO BE INSTALLED SO AS TO BE BELOW GRADE), AND THE DETOUR SIGNS ARE TO BE INSTALLED RESPECTING THE LOCATION AND VISIBILITY OF THE EXISTING SIGNAGE SO AS NOT TO CAUSE TRAFFIC ISSUES.

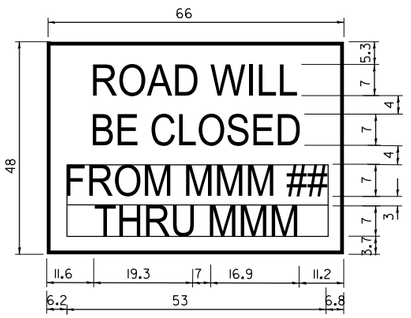
TEMPORARY INFORMATION SIGN

1. THE CONTRACTOR SHALL ERECT A TEMPORARY INFORMATION SIGN AT THE WEST AND EAST ENDS OF THE PROJECT (2 TOTAL) TO INFORM THE PUBLIC OF THE CONSTRUCTION DURATION.

2. THE CONTRACTOR WILL COORDINATE WITH THE ENGINEER ON THE EXACT PLACEMENT OF THE SIGN. THE SIGN SHALL BE IN PLACE FOR THE ENTIRE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER. THE SIGN SHALL BE UPDATED IF THE COMPLETION DATE CHANGES.

3. THE TEMPORARY SIGN WILL BE AS DIMENSIONED AND DETAILED ON THE DETOUR NOTES.

4. THE SIGNING, WHICH INCLUDES POST AND MOUNTING, WILL BE PAID AS TEMPORARY INFORMATION SIGNING, PER SQ FT FOR EACH SIGN ERECTED.



1. SIGN SHALL BE PAID FOR A TEMPORARY INFORMATION SIGNING, ONE SIGN ASSEMBLY EQUALS 27.3 SQ. FT.
2. OVERLAY PANELS SHALL BE "HIGHWAY C" FONT.
3. OVERLAY PANEL 1 TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION.
4. OVERLAY PANEL 2 TO CONTAIN ENDING MONTH OF FULL CLOSURE AND DETOUR, OMIT THE DATE ON PANEL; MONTH ONLY.
5. ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS 1 AND 2 IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE, REMOVE ASSEMBLY AFTER CLOSURE.

LIMITATIONS OF CONSTRUCTION

THE CONTRACTOR SHALL COORDINATE THE ITEMS OF WORK IN ORDER TO KEEP HAZARDS AND TRAFFIC INCONVENIENCES TO A MINIMUM, AS SPECIFIED BELOW:

1. IF THE CONSTRUCTION OPERATIONS ARE COMPLETED OUTSIDE THE DURATION OF THE ROADWAY CLOSURE, THOSE CONSTRUCTION OPERATIONS WILL BE CONDUCTED SO ONE LANE IN EACH DIRECTION ON HUNTER ROAD REMAINS OPEN AT ALL TIMES.

2. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL THE NECESSARY SIGNS, BARRICADES, CONES, DRUMS AND LIGHTS FOR THE WARNING AND PROTECTION OF TRAFFIC AS REQUIRED BY SECTION 1106 OF THE STANDARD SPECIFICATIONS OR AS MODIFIED BY THE ENGINEER.

KEEPING ROADS OPEN TO TRAFFIC

1. THE CONTRACTOR SHALL SCHEDULE THEIR SEQUENCE OF OPERATION TO PERMIT THE CONSTRUCTION OF THIS SECTION WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR'S SCHEDULE SHALL REFLECT THE FOLLOWING REQUIREMENTS AND SEQUENCE OF CONSTRUCTION. THESE REQUIREMENTS FOLLOW THE SUGGESTED TRAFFIC CONTROL PLAN INCLUDED IN THE DRAWINGS.

2. HUNTER ROAD WILL BE COMPLETELY CLOSED TO TRAFFIC FOR THE DURATION SPECIFIED IN THE CONTRACT DOCUMENTS.

3. THE DRIVEWAYS WILL REMAIN OPEN / ACCESSIBLE AT ALL TIMES. ANY TEMPORARY MEASURES REQUIRED TO DO SO SHALL BE INCLUDED IN "TRAFFIC CONTROL PROTECTION, (SPECIAL)."

SEQUENCE OF CONSTRUCTION

1. COORDINATE UTILITY RELOCATES.
2. SET UP TEMPORARY INFORMATION SIGNING.
3. SET UP DETOUR AS DETAILED IN THE PLAN.
4. SET UP TEMPORARY EROSION CONTROL MEASURES.
5. REMOVE EXISTING PAVEMENT, BRIDGE STRUCTURES, AND WINGWALLS.
6. CONSTRUCT THE PROPOSED 3-SIDED STRUCTURE, HEADWALLS, AND WINGWALLS.
7. CONSTRUCT EMBANKMENT, DITCHES, SUBGRADE, AND AGGREGATE BASE COURSES.
8. CONSTRUCT SHOULDERS AND PAVEMENT (INCLUDING MILLING AND FINAL SURFACE).
9. PLACE PERMANENT PAVEMENT MARKINGS.**
10. PLACE PERMANENT RESTORATION.
11. FINALIZE PUNCH LIST AND SITE CLEANUP.

** IF THE CONTRACTOR ELECTS TO COMPLETE THE PERMANENT PAVEMENT MARKING OUTSIDE OF THE CLOSURE PERIOD, THEN THE CONTRACTOR SHALL PLACE THE APPROPRIATE TEMPORARY PAVEMENT MARKINGS. TEMPORARY PAVEMENT MARKINGS SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL). ALL TEMPORARY MARKINGS ON THE PERMANENT SURFACES SHALL BE TAPE. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

CONTACTS AND COORDINATION

1. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH ALL SCHOOL DISTRICTS, MUNICIPALITIES, TOWNSHIP, ALL LOCAL POST MASTERS, ALL FIRE DEPARTMENTS & FIRE DISTRICTS, ALL COUNTY SHERIFFS, AND OTHER ENTITIES LISTED ON THE GENERAL NOTES PLAN SHEETS.

2. THE CONTRACTOR SHALL CONTACT THE IDOT D1 TRAFFIC CONTROL SUPERVISOR, KALPANNA KANNAN-HOSADURGA, AT KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

3. THE CONTRACTOR SHALL CONTACT THE IDOT D2 TRAFFIC CONTROL SUPERVISOR, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

4. THE CONTRACTOR SHALL CONTACT THE BOONE COUNTY ENGINEER, JUSTAIN KROHN, P.E., AT JKROHN@BOONECOUNTYIL.GOV, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

5. THE CONTRACTOR SHALL CONTACT THE MCHENRY COUNTY ENGINEER, JOSEPH KORPALSKI, P.E., AT MCDOT@MCHENRYCOUNTYIL.GOV, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

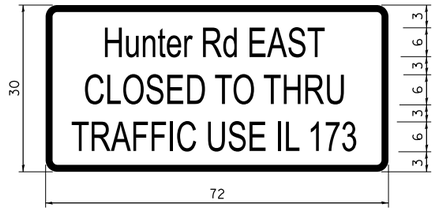
6. THE CONTRACTOR SHALL NOTIFY MCHENRY COUNTY DIVISION OF TRANSPORTATION (MCDOT) PRIOR TO THE DETOUR REMOVAL IN ORDER FOR MCDOT TO SCHEDULE SIGN REPLACEMENTS.

TRAFFIC CONTROL - IDOT HIGHWAY STANDARD DRAWINGS

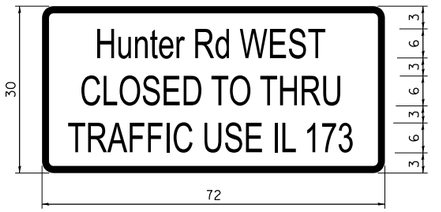
1. THE CONTRACTOR IS ENCOURAGED TO COMPLETE ALL WORK UNDER THE DETOUR CLOSURE. NO ADDITIONAL COMPENSATION FOR TRAFFIC CONTROL AND PROTECTION SHALL BE APPROVED IF THE CONTRACTOR IS NOT ABLE TO COMPLETE WORK WITHIN THE DETOUR TIME FRAME.

2. IN THE EVENT THE CONTRACTOR'S OPERATION REQUIRES WORK THAT WILL NOT BE COMPLETED UNDER THE DETOUR CLOSURE, THE CONTRACTOR WILL COMPLETE THE WORK UTILIZING THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS.

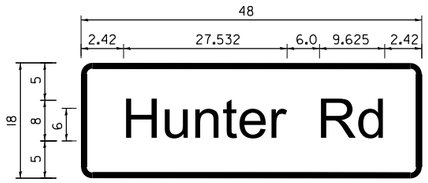
3. THE APPLICATION OF EACH STANDARD SHALL BE APPROVED BY THE ENGINEER. A LIST OF POTENTIAL HIGHWAY STANDARD DRAWINGS HAVE BEEN INCLUDED ON THE GENERAL NOTES PLAN SHEET AS WELL AS IN THE SPECIAL PROVISION FOR "TRAFFIC CONTROL PLAN."



WIDTH x HEIGHT: 72"x30"
BORDER WIDTH: 0.5"
CORNER RADIUS: 1"
FONT: SERIES C
BACKGROUND: REFLECTIVE ORANGE
LETTERS/BORDER: BLACK



WIDTH x HEIGHT: 72"x30"
BORDER WIDTH: 0.5"
CORNER RADIUS: 1"
FONT: SERIES C
BACKGROUND: REFLECTIVE ORANGE
LETTERS/BORDER: BLACK



HUNTER ROAD - STREET NAME SIGN
WIDTH x HEIGHT: 48"x18"
BORDER WIDTH: 0.5"
CORNER RADIUS: 1"
FONT: SERIES C
BACKGROUND: REFLECTIVE ORANGE
LETTERS/BORDER: BLACK

MODEL: Detour 1
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Phll\09-CADD\3_Sheets\220179-sht-staging-detour1.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

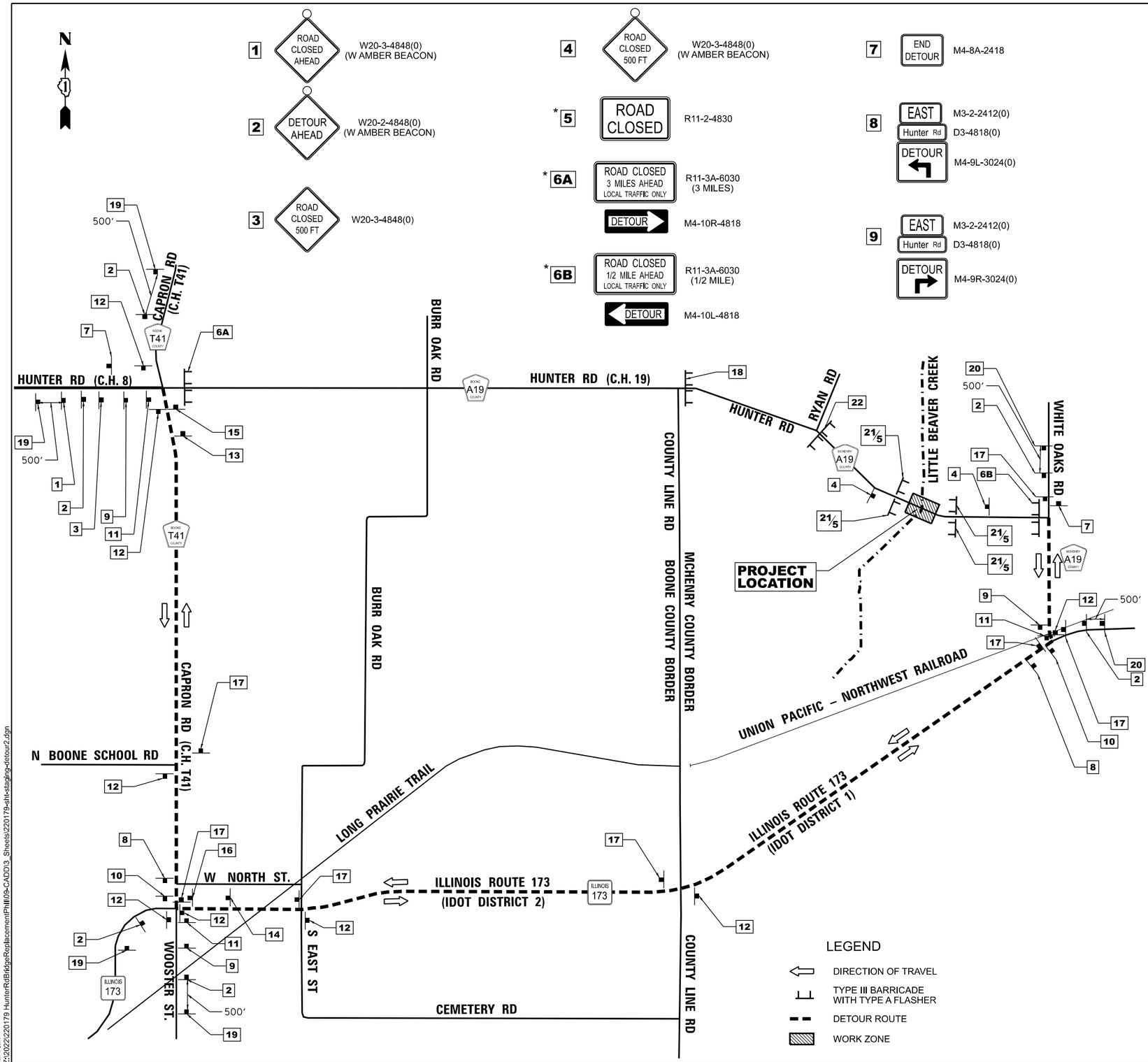
USER NAME = lvo	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
PLOT SCALE =	CHECKED - YOO	REVISED -
PLOT DATE = 9/19/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
DETOUR NOTES AND PLAN

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	20
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



1 ROAD CLOSED AHEAD — W20-3-4848(0) (W AMBER BEACON)

2 DETOUR AHEAD — W20-2-4848(0) (W AMBER BEACON)

3 ROAD CLOSED 500 FT — W20-3-4848(0)

4 ROAD CLOSED 500 FT — W20-3-4848(0) (W AMBER BEACON)

*5 ROAD CLOSED — R11-2-4830

*6A ROAD CLOSED 3 MILES AHEAD LOCAL TRAFFIC ONLY — R11-3A-6030 (3 MILES)
DETOUR — M4-10R-4818

*6B ROAD CLOSED 1/2 MILE AHEAD LOCAL TRAFFIC ONLY — R11-3A-6030 (1/2 MILE)
DETOUR — M4-10L-4818

7 END DETOUR — M4-8A-2418

8 EAST / Hunter Rd — M3-2-2412(0), D3-4818(0)
DETOUR — M4-9L-3024(0)

9 EAST / Hunter Rd — M3-2-2412(0), D3-4818(0)
DETOUR — M4-9R-3024(0)

10 EAST / Hunter Rd — M3-2-2412(0), D3-4818(0)
DETOUR — M4-9L-3024(0)

11 EAST / Hunter Rd — M3-2-2412(0), D3-4818(0)
DETOUR — M4-9R-3024(0)

12 EAST / Hunter Rd — M3-2-2412(0), D3-4818(0)
DETOUR — M4-9-3024(0)

13 WEST / Hunter Rd — M3-4-2412(0), D3-4818(0)
DETOUR — M4-9L-3024(0)

14 WEST / Hunter Rd — M3-4-2412(0), D3-4818(0)
DETOUR — M4-9R-3024(0)

15 WEST / Hunter Rd — M3-4-2412(0), D3-4818(0)
DETOUR — M4-9L-3024(0)

16 WEST / Hunter Rd — M3-4-2412(0), D3-4818(0)
DETOUR — M4-9R-3024(0)

17 WEST / Hunter Rd — M3-4-2412(0), D3-4818(0)
DETOUR — M4-9-3024(0)

*18 ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY — R11-3A-6030 (1 MILE)

19 Hunter Rd EAST CLOSED TO THRU TRAFFIC USE IL 173
SPECIAL-7230(0) (PAID AS TEMPORARY INFORMATION SIGNING)

20 Hunter Rd WEST CLOSED TO THRU TRAFFIC USE IL 173
SPECIAL-7230(0) (PAID AS TEMPORARY INFORMATION SIGNING)

*21 BRIDGE OUT — R11-2-4830 (MODIFIED)

*22 ROAD CLOSED 1/2 MILE AHEAD LOCAL TRAFFIC ONLY — R11-3A-6030 (1/2 MILE)

* MOUNT SIGN(S) ON TYPE III BARRICADES W/FLASHING LIGHTS. MUST MEET NCHRP 350 REQUIREMENTS.

LEGEND

- DIRECTION OF TRAVEL
- TYPE III BARRICADE WITH TYPE A FLASHER
- DETOUR ROUTE
- WORK ZONE

NOTES

1. TYPE III BARRICADES SHALL BE PLACED IN ADVANCE OF THE LIMITS OF CONSTRUCTION
2. FOR SPECIAL INFORMATION SIGNS USE 6" MINIMUM BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND.
3. SEE STAGING NOTES SHEET FOR SIGN DETAILS.
4. SIGN LOCATIONS AND SPACINGS SHALL BE PER IDOT DISTRICT 1 STANDARD TC-21 DETOUR SIGNING FOR CLOSED STATE HIGHWAYS EXCEPT AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

MODEL: Detour Plan
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacementPhII\09-CADD\3_Sheets\220179-sht-staging-detour2.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
PLOT SCALE =	CHECKED - YOO	REVISED -	
PLOT DATE = 9/19/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
DETOUR NOTES AND PLAN

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	21
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

STORMWATER POLLUTION PLAN (SWPPP)

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN SEDIMENT CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, OWNER, OR MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER. THEREFORE, MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN IDOT STANDARD 280001.

SECTION 280. TEMPORARY EROSION AND SEDIMENT CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE AND CONSTRUCTION ACTIVITY DESCRIPTION

1. THE PROJECT IS LOCATED ON HUNTER ROAD OVER LITTLE BEAVER CREEK.
2. THE PROJECT SHALL GENERALLY CONSIST OF THE FOLLOWING:

A) REMOVAL OF THE EXISTING BRIDGE AND PAVEMENT AND MILLING EXISTING PAVEMENT.

B) CONSTRUCTION OF HUNTER ROAD PRECAST THREE-SIDED STRUCTURE OVER LITTLE BEAVER CREEK, HEAD & WING WALLS AND INSTALLATION OF RIP RAP AND ARTICULATED BLOCK REVETMENT MAT (VEGETATED OPEN-CELL).

C) CONSTRUCTION OF ROADWAY IMPROVEMENTS, INCLUDING ROADWAY RECONSTRUCTION, GRADING, BINDER, SURFACE, HMA MILLING AND RESURFACING, AND PAVEMENT MARKINGS.

D) SEEDING AND ALL OTHER COLLATERAL WORK SUCH AS SITE RESTORATION.

SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES

1. INSTALL SEDIMENT AND EROSION CONTROL SYSTEMS PRIOR TO EARTHWORK ACTIVITIES.
2. INSTALL TEMPORARY DEWATERING DEVICES IN THE WORK AREA AS NEEDED.
3. DEMOLISH EXISTING STRUCTURE WITHOUT IMPACT OR DEBRIS ENTERING THE EXISTING WATERWAY.
4. CONSTRUCT PRECAST PCC FOOTINGS FOR NEW THREE-SIDED STRUCTURE.
5. CONSTRUCT PRECAST THREE-SIDED STRUCTURE ON PCC FOOTINGS.
6. CONSTRUCT PRECAST HEADWALLS AND WING WALLS.
7. STRIP AND STOCKPILE TOPSOIL AND BEGIN GRADING. TEMPORARY SEED AS REQUIRED.
8. COMPLETE ROADWAY RECONSTRUCTION THROUGH BINDER AND GRADING.
9. COMPLETE HMA SURFACE REMOVAL.
10. COMPLETE FINAL EMBANKMENT AND DITCH GRADING.
11. COMPLETE FINAL HMA SURFACE, PAVEMENT MARKINGS AND RESTORATION.
12. REMOVE ACCUMULATED SEDIMENT AND REMOVE TEMPORARY DEWATERING DEVICES.
13. REMOVE EROSION CONTROL MEASURES AND RESTORE.

CONSTRUCTION SITE DISTURBANCE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 2.20 ACRES TO BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

SWPPP REFERENCED DOCUMENTS

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES FROM THIS CONSTRUCTION SITE

THE SITE DRAINS INTO THE LITTLE BEAVER CREEK WHERE IT OUTFALLS INTO PISCASAW CREEK SOUTH OF THE PROJECT SITE.

COUNTY REQUIREMENTS

MCHENRY COUNTY REQUIRES COMPLIANCE WITH NPDES PHASE II PROGRAM. AS SUCH, ALL DEVELOPMENTS SHALL PROVIDE TO THE EXTENT POSSIBLE, CONSTRUCTION SITE RUNOFF CONTROL AND ILLICIT DISCHARGE PREVENTION AND ELIMINATION.

1. THE OWNER IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT (NOI) TO THE IEPA AFTER THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE NOI IS POSTMARKED AT LEAST 30 DAYS BEFORE COMMENCEMENT OF ANY WORK ON THE SITE.
2. THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE SWPPP ON SITE AT ALL TIMES.
3. INSPECTION OF CONTROLS WILL BE COMPLETED BY THE OWNER AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A STORM 0.5" OR GREATER, OR EQUIVALENT SNOW FALL.
4. AN INCIDENT OF NON-COMPLIANCE (ION) MUST BE COMPLETED AND SUBMITTED BY THE OWNER TO THE IEPA AND COPIED TO THE COUNTY IF, AT ANY TIME, AN EROSION CONTROL DEVICE FAILS.
5. A NOTICE OF TERMINATION (NOT) SHALL BE COMPLETED AND SUBMITTED BY THE OWNER IN COMPLIANCE WITH NPDES PHASE II REQUIREMENTS WHEN ALL PERMANENT EROSION CONTROL MEASURES ARE IN PLACE AND VEGETATION IS GROWING AND THRIVING. THE NOT SHALL BE SENT TO THE IEPA AND MCHENRY COUNTY PLANNING AND DEVELOPMENT.
6. THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO CONTROL WASTE SUCH AS DISCARDED MATERIALS, CONCRETE TRUCK WASH OUT, CHEMICALS, LITTER AND SANITARY WASTE AT THE CONSTRUCTION SITE THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY.

MISCELLANEOUS

1. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS./ACRES, IF DIRECTED.
2. ALL EROSION AND SEDIMENT CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

POLLUTION PREVENTION DURING CONSTRUCTION

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING, PARKING VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES.

A) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

B) AS CONSTRUCTION PROCEEDS. THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER.

i. PLACE TEMPORARY SEDIMENT CONTROL PRACTICES (FILTER BARRIERS, ETC.) AT LOCATIONS SHOWN ON THE PLANS.

ii. TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

C) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN (7) DAYS.

D) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

E) THE OWNER OR THE DESIGNATED REPRESENTATIVE SHALL INSPECT THE PROJECT WEEKLY DURING CONSTRUCTION ACTIVITIES INSPECTION SHALL ALSO BE DONE AFTER RAINS OF 1/2-INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD.

F) SEDIMENT COLLECTED DURING CONSTRUCTION FROM THE VARIOUS TEMPORARY SEDIMENT CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED EROSION CONTROL PRACTICE.

G) THE TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER. AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING.

H) EXCEPT AS PREVENTED BY INCLEMENT WEATHER CONDITIONS, ALL DISTURBED AREAS TO REMAIN INACTIVE FOR MORE THAN 7 DAYS SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING, OR BY OTHER EQUIVALENT EROSION CONTROL MEASURES WITHIN 7 DAYS. PERMANENT SOIL STABILIZATION SHALL BE PROVIDED WITHIN 14 DAYS AFTER FINAL GRADE IS ESTABLISHED.

I) ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN 30 DAYS AFTER SITE STABILIZATION IS ACHIEVED OR AFTER TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY REMOVED TO PREVENT FURTHER EROSION.

MAINTENANCE AFTER CONSTRUCTION

CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY THE PROJECT OWNER. MAINTENANCE UP TO THIS DATE WILL BE BY CONTRACTOR.

CERTIFICATIONS

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

ENGINEER: YEMI OYEWOLE, PE — DATE: 09/26/2024

OWNER'S CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

OWNER: MCHENRY COUNTY DIVISION OF TRANSPORTATION

Joyce J DeLong — NAME, PE | P.E. DESIGN MANAGER — TITLE | 09/26/2024 — DATE

MODEL: swppp-01
FILE NAME: Z:\2022\220179 HunterRdBridgeRepBacementPhII\09-CADD\3_Sheets\220179-sht-swppp.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
PLOT SCALE =	CHECKED - YOO	REVISED -	
PLOT DATE = 9/26/2024	DATE - 9/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
STORMWATER POLLUTION PREVENTION PLAN AND NOTES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	22
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE RESIDENT ENGINEER MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

2. A COPY OF THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON SITE.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS TO IMPLEMENT AND MAINTAIN THE SWPPP AND ALL PERMIT CONDITIONS REQUIRED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) ILR10 PERMIT SET FORTH BY THE ILLINOIS EPA, THE U.S. ARMY CORPS OF ENGINEERS JOINT 404 PERMIT, THE MCHENRY COUNTY STORMWATER MANAGEMENT PERMIT AND ALL REQUIREMENTS SET FORTH BY THE MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT (MLSWCD) AND THE STATE OF ILLINOIS.

4. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER OR THE COUNTY.

5. THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH ALL SUBCONTRACTORS, THE COUNTY, THE MLSWCD AND OTHER INTERESTED REGULATORY AGENCIES AND OFFICIALS PRIOR TO CONSTRUCTION.

6. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR OF EROSION CONTROL MEASURES.

7. THE MLSWCD IS RESPONSIBLE FOR CONDUCTING SITE VISITS, VERIFYING THE PRACTICES ARE WORKING PROPERLY AND DETERMINING IF ADDITIONAL PRACTICES ARE NEEDED FOR BETTER SOIL EROSION AND SEDIMENT CONTROL. IF ADDITIONAL PRACTICES ARE DEEMED NECESSARY, THE CONTRACTOR WILL IMPLEMENT THE PRACTICE IN A TIMELY MANNER.

8. ALL AREAS OF DISTURBED SOIL SHALL BE STABILIZED WITH EROSION CONTROL BLANKET (SPECIAL) FOLLOWING COMPLETION OF SOIL DISTURBING ACTIVITIES. THE EROSION CONTROL BLANKET SHALL BE WILDLIFE-FRIENDLY PLASTIC-FREE BLANKET AND USED AROUND WETLANDS AND ADJACENT TO NATURAL AREAS TO PREVENT ENTANGLEMENT OF NATIVE WILDLIFE.

9. AS A PERMIT CONDITION REQUIRED FOR THIS PROJECT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE COUNTY, THE US ARMY CORPS OF ENGINEERS, MLSWCD AND ENGINEER FOR APPROVAL THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR WORK FOR WHICH IT IS REQUIRED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

10. CONCRETE WASHOUT(S) ARE ANTICIPATED FOR THIS PROJECT AND SHALL BE DRAWN ONTO THE PLANS AT THE TIME OF INSTALLATION. WASHOUTS ARE TO BE MAINTAINED IN A MANNER CONSISTENT WITH THE DETAILS ON THE PLANS AND THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL CONCRETE WASHOUT SHALL BE CONTAINED AT ALL TIMES. WASHOUT MATERIAL SHALL NOT BE ALLOWED TO ENTER WATER BODIES, STORM SEWERS, OR LEACH INTO THE SOIL UNDER ANY CIRCUMSTANCES. ANY WASTE SHALL BE DISPOSED OF PROPERLY AND THE LOCATION OF THE WASHOUT SHALL BE DESIGNATED WITH PROPER SIGNAGE FAILURE TO COMPLY COULD RESULT IN A VIOLATION.

11. STABILIZED CONSTRUCTION ENTRANCES ARE ANTICIPATED FOR THIS PROJECT. A QUANTITY HAS BEEN INCLUDED IN THE PROJECT TO COMPLETE THIS WORK. IT IS ANTICIPATED THAT THE STABILIZED CONSTRUCTION ENTRANCES WILL BE PLACED EAST AND WEST OF THE PROJECT LIMITS. IF THE ENTRANCE LOCATIONS ARE TO BE REVISED, THE CONTRACTOR SHALL SUBMIT THE LOCATION AND DETAILS THROUGH THE ENGINEER FOR APPROVAL.

DIVERSION AND DEWATERING NOTES

1. WHEN DIVERSION AND DEWATERING OF THE CONSTRUCTION AREA IS NECESSARY, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. ALL WATERS SHALL BE FILTERED USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE MLSWCD. ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES AND SHOULD BE PLACED ON LEVEL GROUND. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.

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 ELEVATION.

3. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED WITHIN A SUMP PIT TO PREVENT SEDIMENT FROM ENTERING THE HOSE THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING CHECK DAM, PLYWOOD, SHEET PILE, ETC.) PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS.

4. DEWATERING SHALL INCLUDE MEANS, METHODS, AND MATERIALS TO DEWATER AND TO PROVIDE FILTRATION OF WATERS BEFORE RE-ENTERING THE WATERWAY AND SHALL BE COORDINATED WITH THE MLSWCD AT THE PRE-CONSTRUCTION MEETING.

5. DIVERSION OF THE CREEK FLOW IF DETERMINED BY CONTRACTOR AS NECESSARY WILL NOT BE PAID FOR SEPARATELY. COST OF DIVERSION SHALL BE INCLUDED IN THE UNIT PRICE OF THE STRUCTURE.

6. IF DETERMINED BY CONTRACTOR AND ENGINEER THAT DIVERSION OF THE CREEK IS NOT FEASIBLE AND COFFERDAMS ARE REQUIRED, THE COFFERDAMS SHALL BE DESIGNED BY THE CONTRACTOR . THIS WORK SHALL BE INCLUDED IN THE COST OF COFFERDAM (TYPE 1) (IN-STREAM/WETLANDWORK).

MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT NOTES

1. THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE MLSWCD TO COORDINATE ALL IN-STREAM WORK ACTIVITIES.

2. THE CONTRACTOR'S IN-STREAM WORK PLAN SHALL BE SUBMITTED TO THE MLSWCD AND MCHENRY COUNTY FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK. THERE WILL BE NO ADDITIONAL COMPENSATION FOR PROVIDING THE COORDINATION AND WORK PLAN.

3. SEE EROSION CONTROL PLAN SHEETS FOR ADDITIONAL DETAILS, CONDITIONS AND NOTES.

MCHENRY COUNTY PLANNING AND DEVELOPMENT STANDARD SOIL EROSION AND SEDIMENT CONTROL NOTES

1. CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE ILLINOIS URBAN MANUAL (HTTPS://ILLINOISURBANMANUAL.ORG/) UNLESS STATED OTHERWISE.

2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE DISTURBED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL STABILIZATION IS ACHIEVED.

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

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

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

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

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

8. 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 TEMPORARILY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 7 WORKING DAYS OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION IN THE WORK AREA EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED BELOW:

   A. WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE; AND

   B. IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME, A TEMPORARY STABILIZATION METHOD MAY BE USED.

9. DISTURBANCE OF STEEP SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKED IN PLACE, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR AN EQUIVALENT CONTROL MEASURE.

10. 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 BARRIER CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF STOCKPILES.

11. THE STORMWATER MANAGEMENT SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION OF 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 EROSION CONTROL MEASURES.

12. IF DEWATERING SERVICES ARE USED, DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP OR AN EQUIVALENT MEASURE). THE ENFORCEMENT OFFICER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

13. ALL TEMPORARY SOIL AND EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION OF THE DEVELOPMENT SITE IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NECESSARY. TRAPPED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED.

14. STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORKDAY. SOIL AND MATERIALS STOCKPILED IN ISOLATED WETLANDS OF MCHENRY COUNTY OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.

15. 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; AND

   B. MINIMIZE THE EXPOSURE TO 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 ENTERING AND STORMWATER.

16. ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITING OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE APPLICANT 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.

17. THE ENFORCEMENT OFFICER MAY REQUIRE ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES, BASED ON DEVELOPED SITE SPECIFIC CONSIDERATIONS AND THE EFFECTIVENESS OF THE INSTALLED CONTROL MEASURES.

MAINTENANCE SCHEDULE

1. PERIMETER EROSION BARRIER - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL PERIMETER EROSION BARRIER WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE PERIMETER EROSION BARRIER FUNCTIONAL AS DESIGNED.

2. EROSION CONTROL BLANKET (SPECIAL) - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL EROSION BLANKET WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE EROSION BLANKET FUNCTIONAL AS DESIGNED.

3. TEMPORARY & AGGREGATE DITCH CHECKS - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL DITCH CHECKS WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE DITCH CHECKS FUNCTIONAL AS DESIGNED. REMOVE SEDIMENT FROM UPSTREAM SIDE OF DITCH CHECK WHEN SEDIMENT HAS REACHED 50% OF STRUCTURE HEIGHT THE CENTER OF THE DITCH CHECK SHALL ALSO BE INSPECTED TO ENSURE THE CENTER OF THE DEVICE IS 6 INCHES LOWER THAN THE AGGREGATE SIDES AND 18 INCHES LOWER THAN THE TOP OF THE DITCH.

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	DRAWN - SMN	REVISED -
PLOT SCALE =	CHECKED - YOO	REVISED -
PLOT DATE = 10/14/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL NOTES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	23
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

MODEL: Eros1
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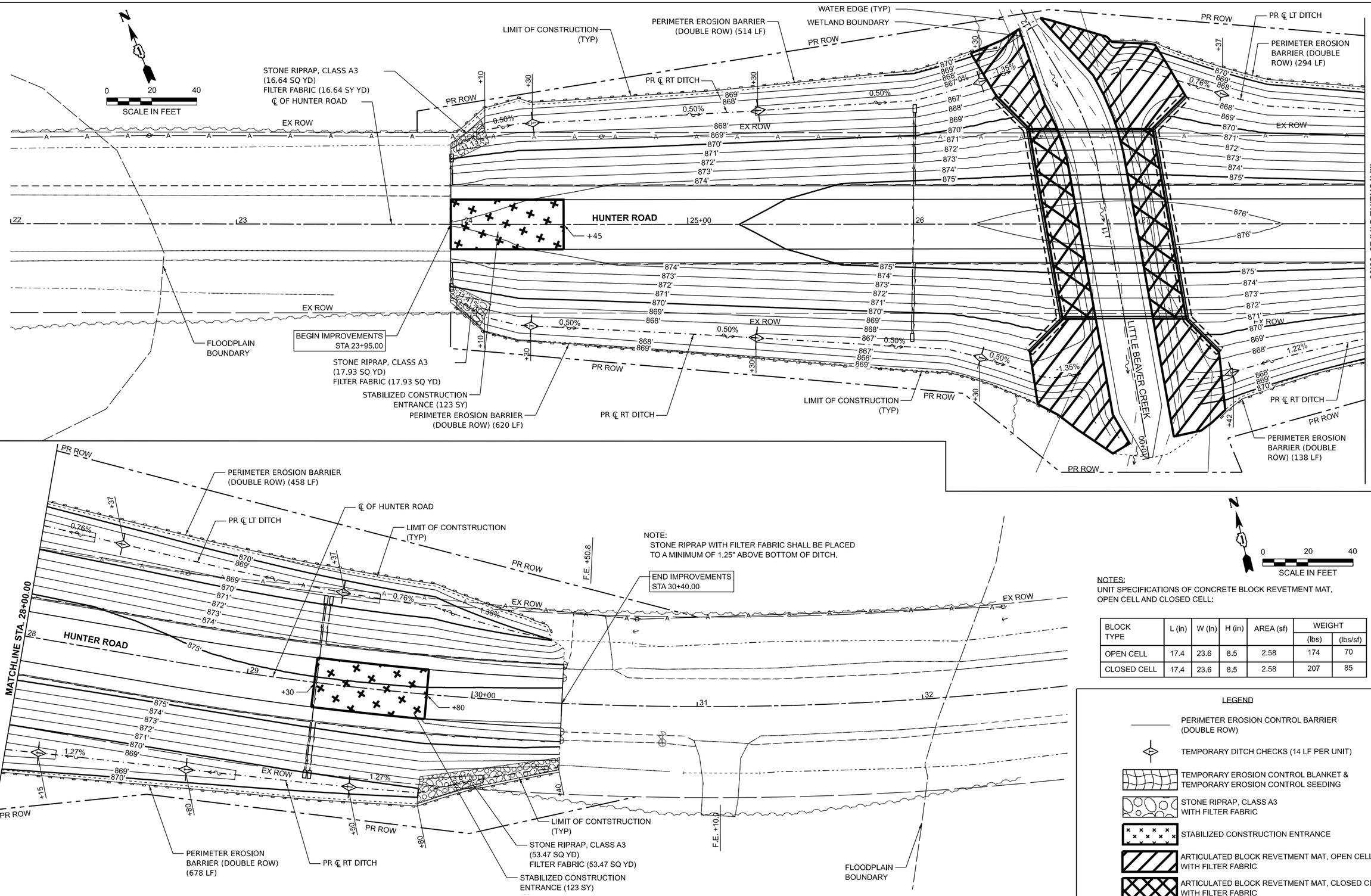

NOTES:
UNIT SPECIFICATIONS OF CONCRETE BLOCK REVETMENT MAT, OPEN CELL AND CLOSED CELL:

BLOCK TYPE	L (in)	W (in)	H (in)	AREA (sf)	WEIGHT (lbs)	WEIGHT (lbs/sf)
OPEN CELL	17.4	23.6	8.5	2.58	174	70
CLOSED CELL	17.4	23.6	8.5	2.58	207	85

LEGEND

- PERIMETER EROSION CONTROL BARRIER (DOUBLE ROW)
- TEMPORARY DITCH CHECKS (14 LF PER UNIT)
- TEMPORARY EROSION CONTROL BLANKET & TEMPORARY EROSION CONTROL SEEDING
- STONE RIPRAP, CLASS A3 WITH FILTER FABRIC
- STABILIZED CONSTRUCTION ENTRANCE
- ARTICULATED BLOCK REVETMENT MAT, OPEN CELL WITH FILTER FABRIC
- ARTICULATED BLOCK REVETMENT MAT, CLOSED CELL WITH FILTER FABRIC

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PLOT DATE = 7/26/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 23+95.00 TO STA. 30+40.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	24
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

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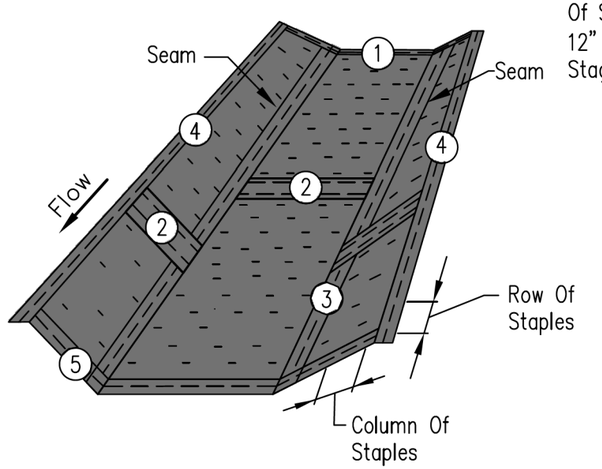
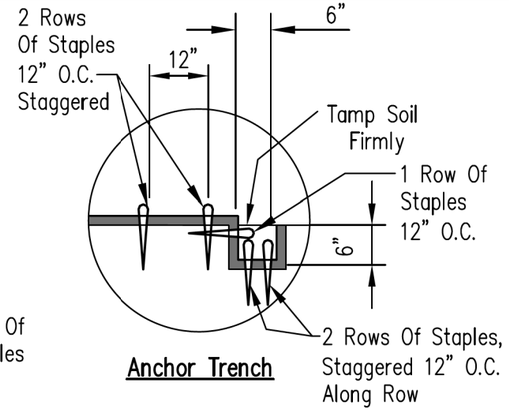
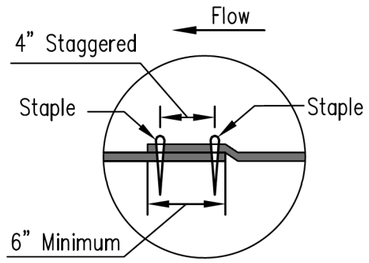




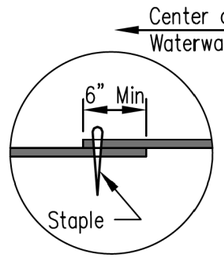
Anchor Trench

DETAIL 1



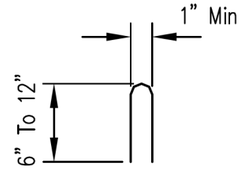
Blanket Roll End Overlap

DETAIL 2



Blanket Side Overlap

DETAIL 3



STAPLE DETAIL

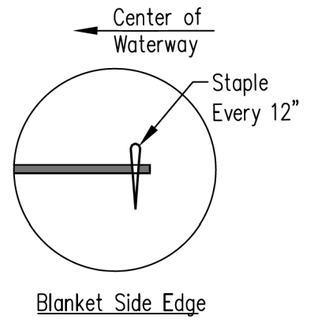
Waterway #			
Waterway Width (ft)			
ECB Width (ft)			
Length (ft)			
Stations	_____ to _____	_____ to _____	_____ to _____

NOTES:

1. The erosion control blanket consists of a machine produced mat of specified material. The product must meet the minimum requirements specified in Table 1, below. Ensure that the product is new and unused, and is furnished in rolls. Alternative materials may be used upon approval by the designer.
2. Prepare soil prior to installing erosion control blanket, including seeding, fertilizing, and lime application.
3. The erosion control blanket is to be placed in firm contact with the soil and not be allowed to bridge over surface irregularities. The blanket can not be stretched.
4. Install the erosion control blanket according to manufacturer's instructions. If no manufacturer's instructions are available, install the blanket as follows:
   a. Use "U" shaped staples, 0.12 in diameter wire or greater (#11 gauge). See Staple Detail for dimensions.
   b. Bury upstream end of blanket in a trench 6 inch wide by 6 inch deep and stapled in staggered rows across the width as shown in Detail 1.
   c. For joining ends of rolls, overlap end of upslope blanket a minimum of 6 inches over downslope blanket (shingle style). Use a double row of staggered staples 4 inches apart, as shown in Detail 2.
   d. Overlap blankets on side slopes a minimum 6 inches over the blanket below (shingle style). Staple overlap at 12 inch intervals. See Detail 3.
   e. Staple the outer edge along sides of the blanket every 12 inches. See Detail 4.
   f. Staples are to be placed alternately in columns (in the direction of the waterway) 2 feet apart and in rows (across the waterway) 3 feet apart, throughout the area covered by erosion blanket.
   g. Downstream (terminal) end of blanket are to be stapled with a double row of staggered staples 12 inches apart. See Detail 5.
5. Start laying the blankets by rolling center blanket in the direction of flow, centered on the centerline of waterway. No overlap of blankets at the center of the waterway.

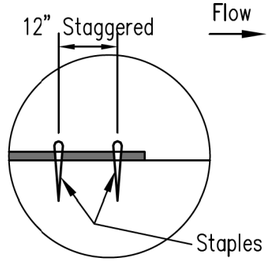
TABLE 1. MINIMUM REQUIREMENTS FOR EROSION CONTROL BLANKET

(See Note 1)	Coconut Blanket	Wood Fiber Blanket	
Type of Fiber	100% coconut fibers	100% curled wood fibers	
Weight, lbs/sq. yd.	0.50	0.63	
Life Expectancy			
Fiber Length	N/A	80% of fibers > 6 in.	
Fiber Dimensions	N/A	0.021 in. x 0.042 in.	
Netting Netting Required ? ☐ Yes ☐ No	Cover Top and bottom of blanket with a max. 5/8" x 5/8" opening size netting, bound to the mat on max. 1.5" centers.	Cover Top and bottom of blanket with a max. 5/8" x 5/8" opening size netting	



Blanket Side Edge

DETAIL 4



Terminal End

DETAIL 5

Not To Scale

EROSION CONTROL BLANKET INSTALLATION DETAILS

Date
Designed
Drawn M. QUINONES 7/1/15
Checked
Approved

United States Department of Agriculture
Natural Resources Conservation Service

File No. IL ENG-61
Drawing No.
Page 1 of 1
Sheet of

MODEL: Sheet 1 of 7 [Sheet]
FILE NAME: Z:\2022\220179 HunterRdBridgeRepPlacement\PhII\09-CADD\3_Sheets\220179-sht-eros3.dgn

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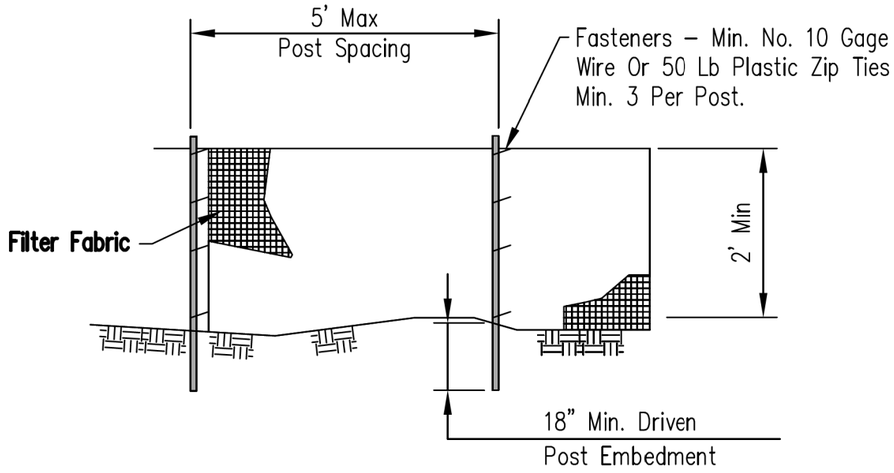
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL DETAILS

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

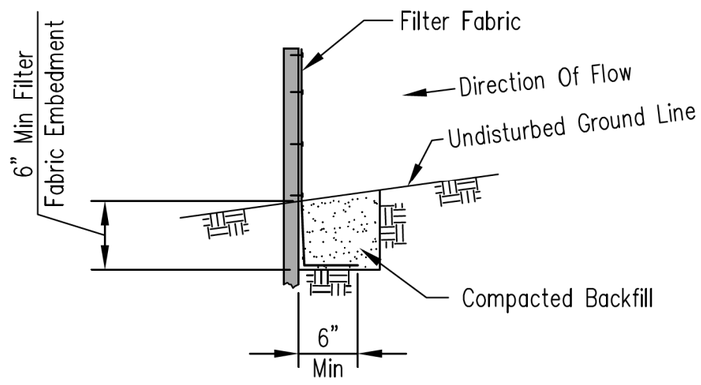
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	25
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



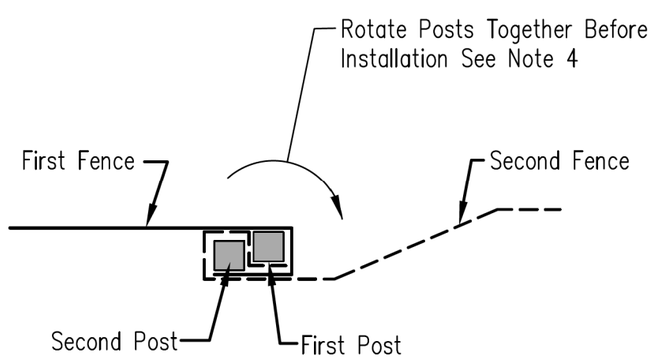
ELEVATION

NOTES:

1. Temporary silt fence shall be installed prior to any grading work in the area to be protected. Fence shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either wood post with a minimum cross-sectional area of 1.5" X 1.5" or a standard steel post.
4. When splices are necessary make splice at post according to splice detail. Place the end post of the second fence inside the end post of the first fence. Rotate both posts together at least 180 degrees to create a tight seal with the fabric material. Cut the fabric near the bottom of the posts to accommodate the 6 inch flap. Then drive both posts and bury the flap. Compact backfill well.



FABRIC ANCHOR DETAIL



SPLICE DETAIL–PLAN VIEW

SILT FENCE

Date
Designed
Drawn M. QUINONES 8/1/14
Checked
Approved

United States Department of Agriculture
Natural Resources Conservation Service

File No. IL-ENG-49
Drawing No.
Page 1 of 1
Sheet of

MODEL: Sheet 2 of 7 [Sheet]
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacementPhII\09-CADD\3_Sheets\220179-sht-eros3.dgn

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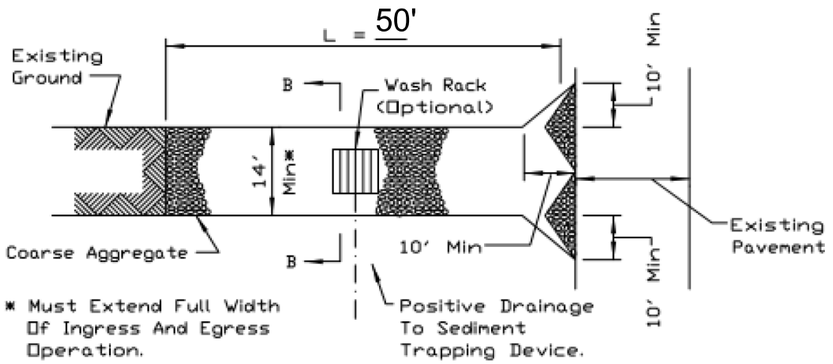
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL DETAILS

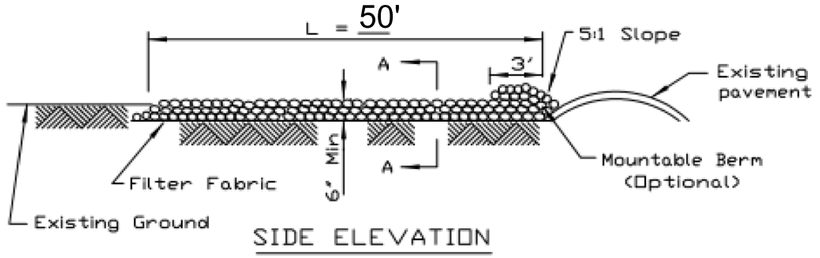
SCALE: NTS | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	26
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



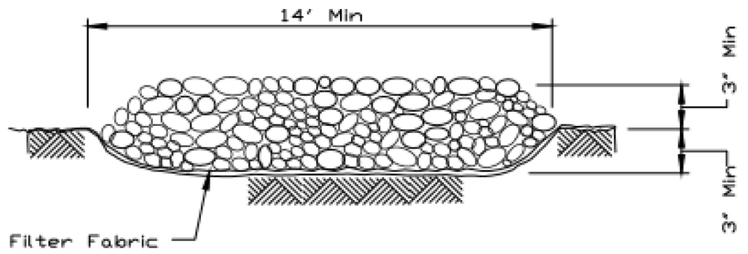
SIDE ELEVATION

NOTES:

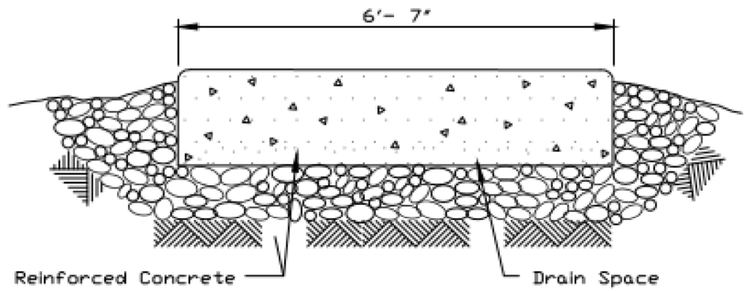
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 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		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-630
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-630
Designed ____ Date ____		SHEET 2 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

MODEL: Sheet 3 of 7 [Sheet]
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Plt\09-CADD\3_Sheets\220179-sht-eros3.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL DETAILS

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	27
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

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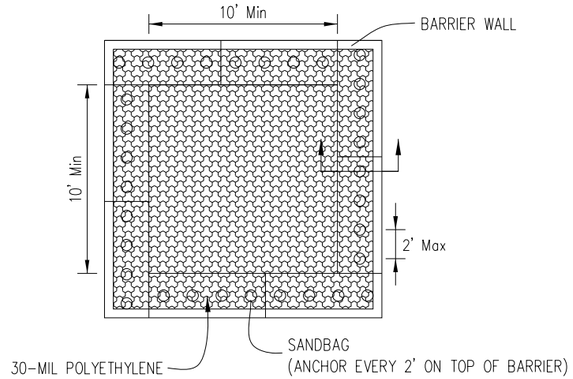
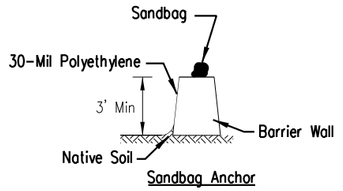
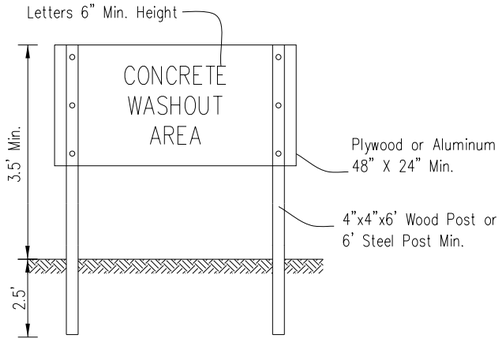


PLAN VIEW



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 faciliities to a functional condition.

2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 3 of 3 | Drawing No. | File No. IL[illegible]-6548W

TEMPORARY CONCRETE
WASHOUT FACILITY - BARRIER WALL

Date
Designed
Drawn B. JOHNSON 6/08
Checked
Approved

MODEL: Sheet 4 of 7 [Sheet]
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacementPhII\09-CADD\3_Sheets\220179-sht-eros3.dgn

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	CHECKED - YOO	REVISED -	
PLOT DATE = 8/6/2024	DATE - 10/31/2024	REVISED -	

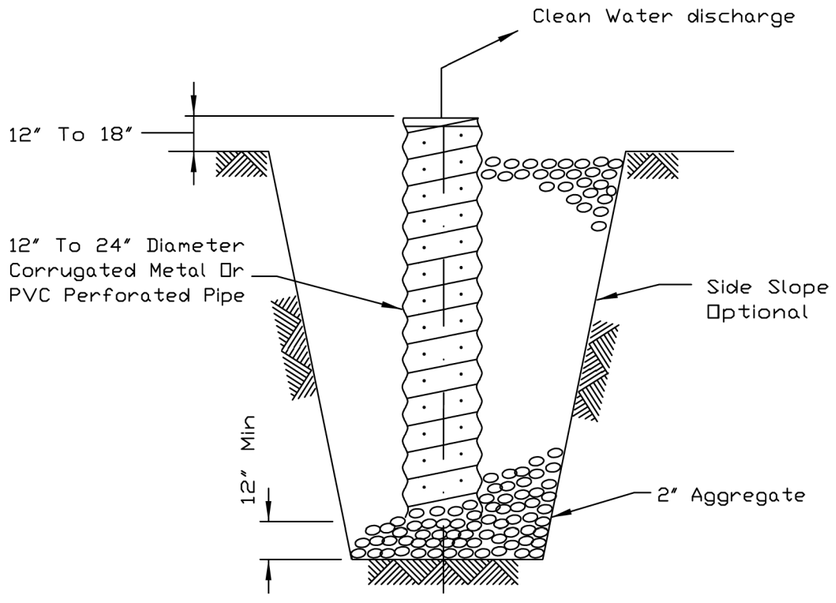
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL DETAILS

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

F.A.4 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	28
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

SUMP PIT PLAN



SECTION

COST OF THIS WORK TO BE INCLUDED IN THE UNIT PRICE FOR DEWATERING

NOTES:

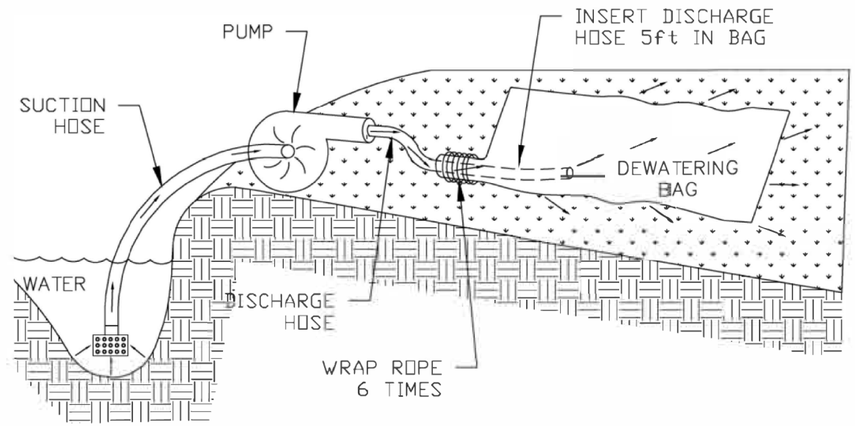
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled 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		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-650
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 8-11-94
Approved ____ Date ____		

DEWATERING BAG STANDARD DRAWING

THE PURPOSE OF A DEWATERING BAG IS TO COLLECT SEDIMENT CONTAINED IN THE DISCHARGE WATER, TO PREVENT THE SCOUR AND EROSION FROM EXITING A PIPE AT HIGH VELOCITY, TO DEFUSE THE WATER OVER A WIDER AREA TO MINIMIZE EROSION AS THE WATER DRAINED AWAY, AND TO RETAIN OIL CONTAINED WITHIN EFFLUENT.

A SedCatch DEWATERING BAG OR APPROVED EQUAL SHOULD BE USED ANYTIME WATER IS PUMPED ON THE SITE.



INSTALLATION AND USE:

1. PLACE DEWATERING BAG ON THE GROUND OR ON A TRAILER OVER A RELATIVELY LEVEL, STABILIZED AREA.
2. INSERT DISCHARGE PIPE A MINIMUM OF 5ft. INSIDE DEWATERING BAG AND SECURE WITH A ROPE WRAPPED 6 TIMES AROUND THE SNOUT OVER A 6 INCH WIDTH OF THE BAG.
3. REPLACE DEWATERING BAG WHEN HALF FULL OF SEDIMENT OR WHEN THE SEDIMENT HAS REDUCED THE FLOW RATE OF THE PUMP DISCHARGE TO AN IMPRACTICAL AMOUNT.

MAINTENANCE AND DISPOSAL:

1. REMOVE AND DISPOSE OF ACCUMULATED SEDIMENT AWAY FROM WATERWAYS OR ENVIRONMENTALLY SENSITIVE AREAS. SLIT OPEN SEDIMENT BAG AND REMOVE ACCUMULATED SEDIMENT. DISPOSE OF BAG AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY. OR; AS DIRECTED BY THE ENGINEER.

DEWATERING BAG DETAIL

NOT TO SCALE

COST OF THIS WORK TO BE INCLUDED IN THE UNIT PRICE FOR DEWATERING

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = sneville	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - YOO	REVISED -	
PLOT DATE = 8/6/2024	DATE - 10/31/2024	REVISED -	

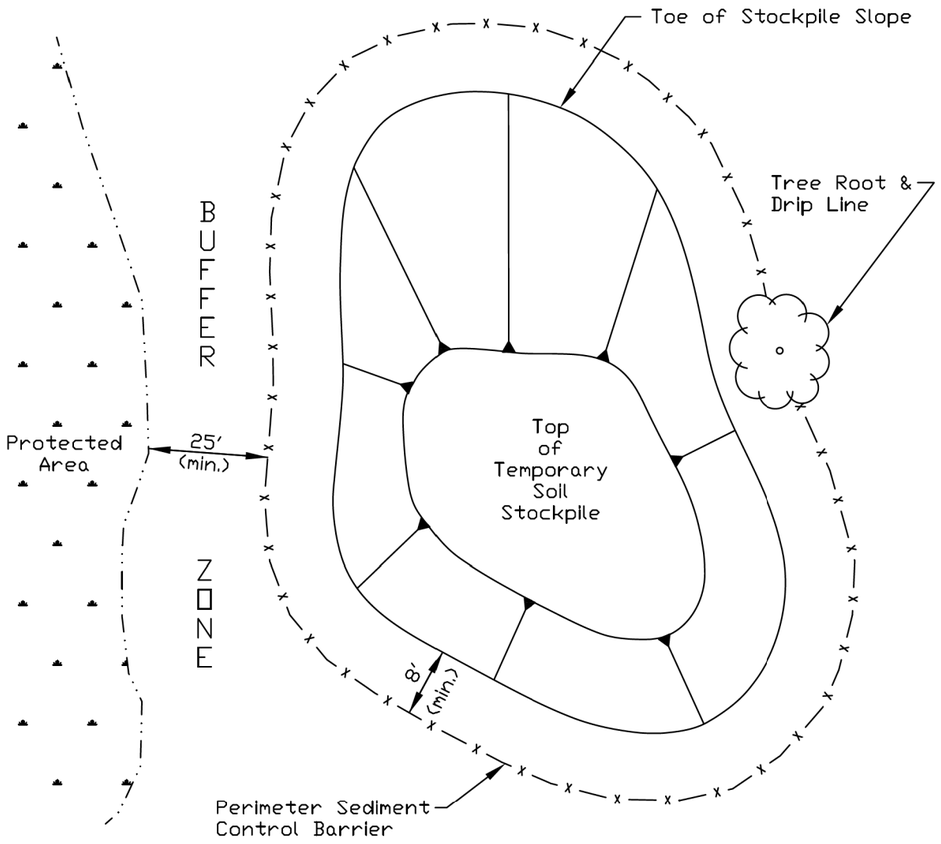
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL DETAILS

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	29
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

TEMPORARY SOIL STOCKPILE DETAIL



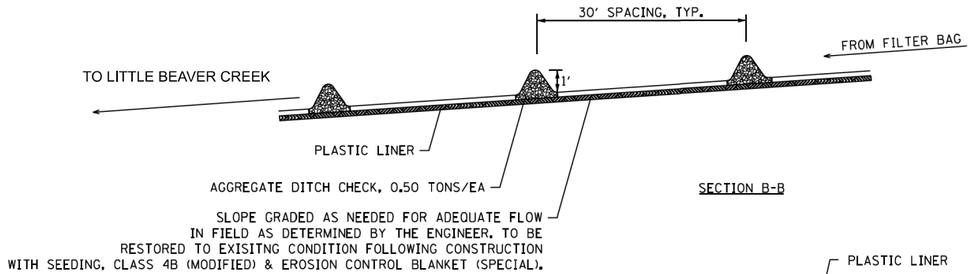
NOTES:

1. Stockpile slopes should be based on angle of repose of the soil material to avoid potential sloughing of the slope.
2. Soil stockpile to be stabilized in accordance with practical standards.
3. Do not locate stockpile within overland drainage flow path, designated floodways, drip line or over the root crown of adjacent trees.
4. Provisions for sediment control practices may be required along haul roads and entrance/exit locations for access the soil stockpile that can create flow path for stormwater runoff.
5. Installation of benches, terraces, or slope interrupters should be considered.
6. Avoid building soil stockpiles on impervious surfaces.
7. Linlear sediment trap surrounding the stockpile base may be used to control sediment.

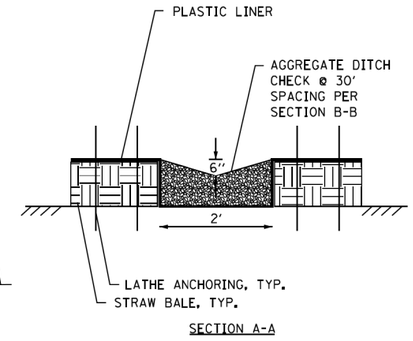
REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-627
SHEET 1 OF 1
DATE JANUARY 2017

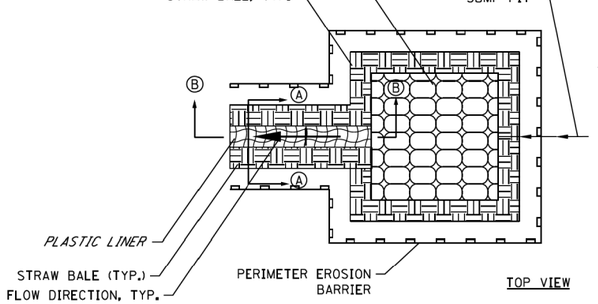
TEMPORARY DEWATERING DETAIL



SECTION B-B



SECTION A-A



TOP VIEW

TEMPORARY DEWATERING SUMP NOTES:

1. IF DEWATERING IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED IN A SUMP PIT AT THE LOCATION SHOWN ON THE EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER, AND PUMPED INTO A DEWATERING SYSTEM PRIOR TO REJOINING THE FLOW OF THE RIVER.
2. REFER TO PROJECT SPECIFICATIONS FOR DEWATERING SUMP USE AND METHODOLOGY. SUMP PIT AND ALL APPURTENANCES SHOWN IN THE DETAIL SHALL BE PAID FOR IN THE COST FOR DEWATERING.

NOTE:

TEMPORARY DEWATERING DITCH AND ALL ITEMS SHOWN HEREIN WITH THE EXCEPTION OF PERIMETER EROSION BARRIER SHALL BE PAID FOR AS "DEWATERING"

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = sneville	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - YOO	REVISED -	
PLOT DATE = 8/6/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL DETAILS

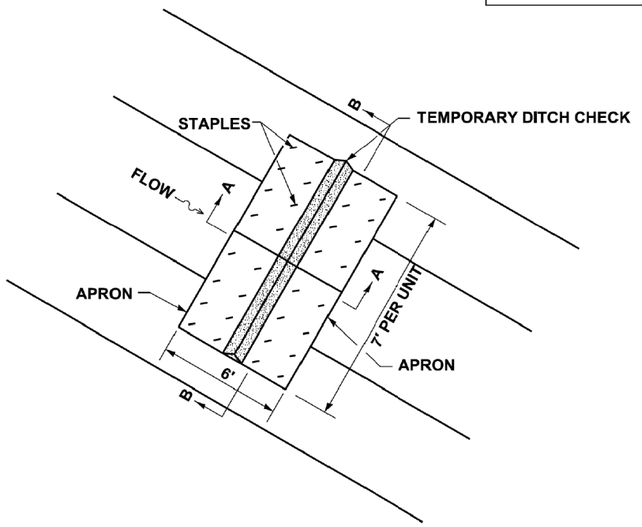
SCALE: NTS | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	30
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

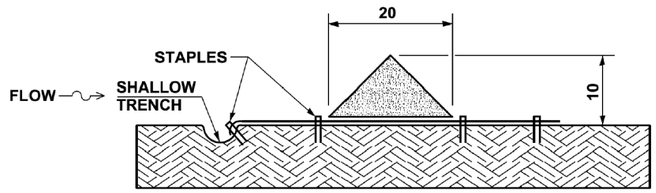
MODEL: Sheet 6 of 7 [Sheet]
FILE NAME: 2\2022\220179 HunterRdBridgeReplacement\Phll\09-CADD\3_Sheets\220179-sht-eros3.dgn

FOR BARE EARTH APPLICATION ONLY

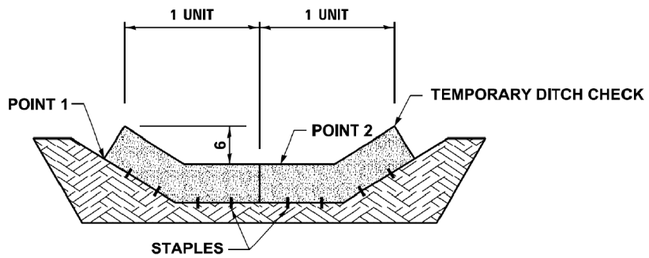
NOTE:
TO BE PAID AS "TEMPORARY DITCH CHECKS".



PLAN



SECTION A-A



SECTION B-B

NOTES:

THE URETHANE FOAM GEOTEXTILE DITCH CHECKS SHALL BE USED ON BARE EARTH DITCH LINES AND SHALL BE REMOVED PRIOR TO THE INSTALLATION OF SEEDING AND EROSION CONTROL BLANKET.

THE URETHANE FOAM GEOTEXTILE DITCH CHECKS SHALL BE SECURED TO THE SOIL WITH U-SHAPED WIRE STAPLES (11 GAUGE WIRE WITH 6" MINIMUM LENGTH).

EACH URETHANE FOAM GEOTEXTILE UNIT IS 7 FEET IN LENGTH. THE MINIMUM INSTALLATION IN A DITCH SHALL BE TWO UNITS. THE INSTALLATION SHOWN WILL BE MEASURED AND PAID FOR AS TEMPORARY DITCH CHECKS 14 FEET IN LENGTH (2 UNITS).

INSTALLATION SHALL RESULT IN THE CENTER OF THE DITCH CHECK BEING AT LEAST 6" LOWER THAN THE OUTSIDE EDGES.

POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS OVER THE BERM AND NOT AROUND THE ENDS.

URETHANE FOAM GEOTEXTILE DITCH CHECK

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

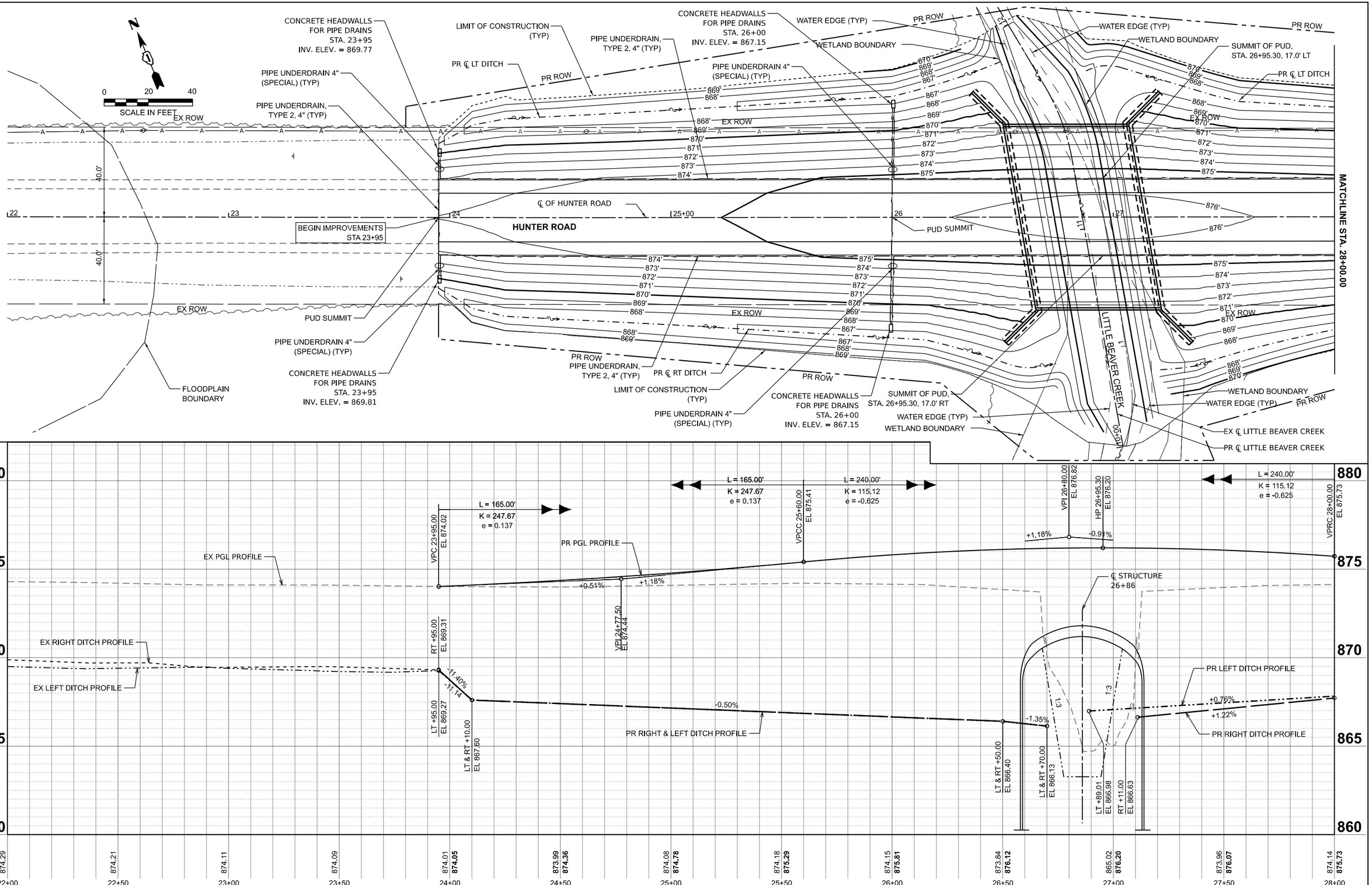
USER NAME = sneville	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - YOO	REVISED -	
PLOT DATE = 7/25/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
SOIL EROSION AND SEDIMENT CONTROL DETAILS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	31
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



MODEL: Grading Plan 1
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacementPhII\09-CADD\3_Sheets\220179-sht-grading1.dgn

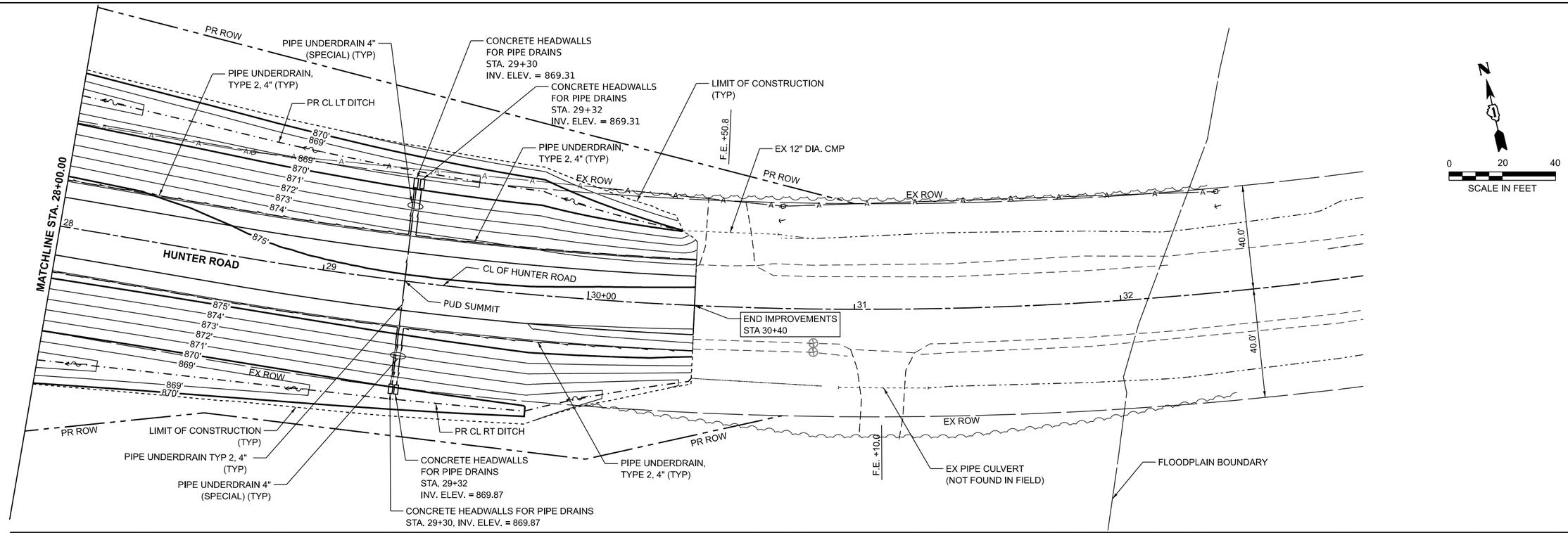
WBK ENGINEERING 116 WEST MAIN STREET SUITE 201 ST. CHARLES, IL 60174 (630) 443-7755	USER NAME = Ivo	DESIGNED - KAC	REVISED -
		DRAWN - SMN	REVISED -
	PLOT SCALE =	CHECKED - YOO	REVISED -
	PLOT DATE = 10/7/2024	DATE - 10/31/2024	REVISED -

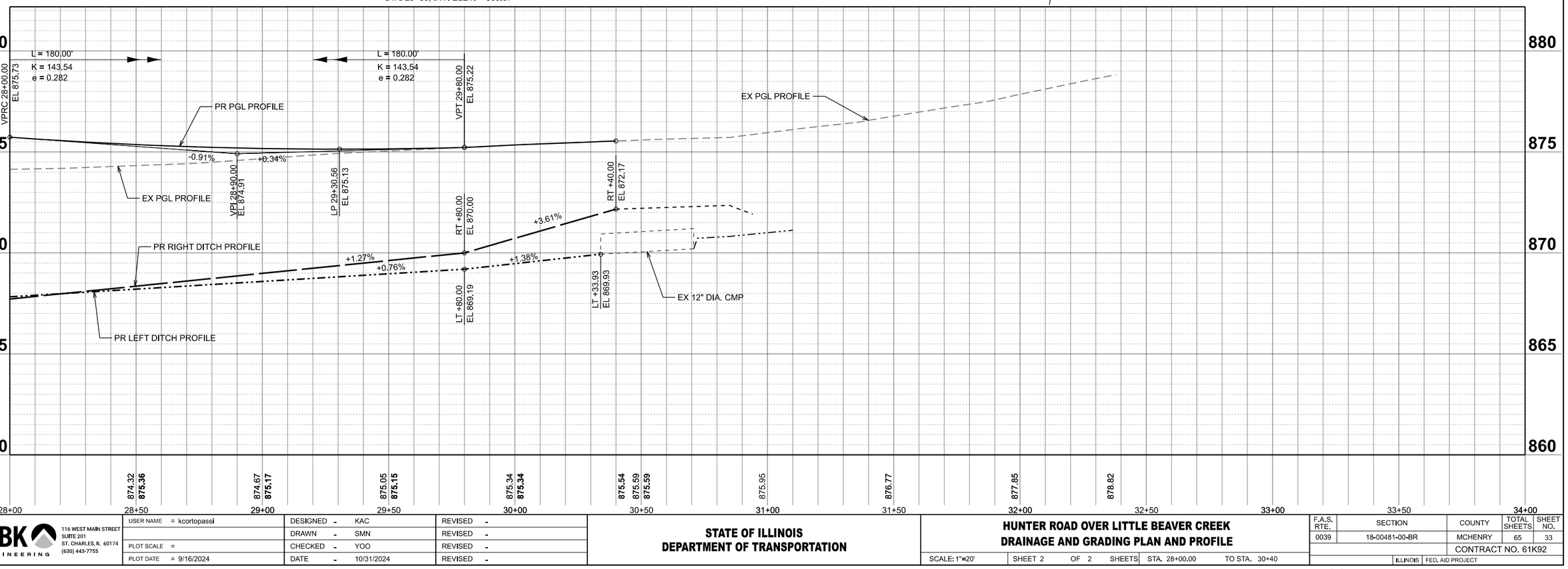
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
DRAINAGE AND GRADING PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 23+95 TO STA. 28+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	32
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		





MODEL: Grading Plan 2
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Phll\03-CADD\3_Sheets\220179-sht-grading2.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

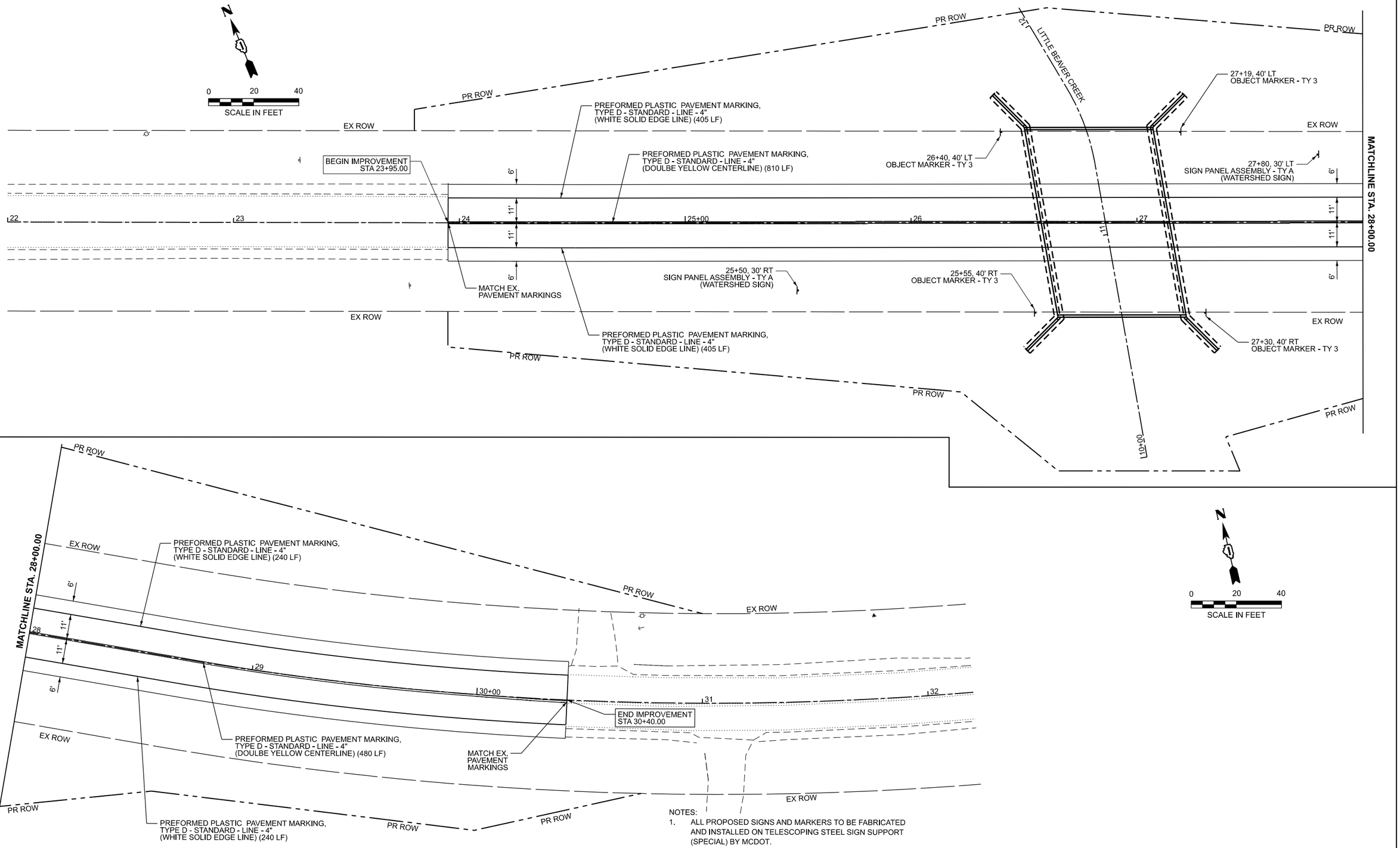
USER NAME = kcortopassi	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
PLOT SCALE =	CHECKED - YOO	REVISED -	
PLOT DATE = 9/16/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
DRAINAGE AND GRADING PLAN AND PROFILE

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 28+00.00 | TO STA. 30+40

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	33
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. ALL PROPOSED SIGNS AND MARKERS TO BE FABRICATED AND INSTALLED ON TELESCOPING STEEL SIGN SUPPORT (SPECIAL) BY MCDOT.
2. A RECESSED GROOVE SHALL BE CONSTRUCTED ON THE PAVEMENT PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.

MODEL: PvmtMark
FILE NAME: Z:\2022\2220179 HunterRdBridgeReplacementPhII\09-CADD\3_Sheets\220179-sht-pmk.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = sneville	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
PLOT SCALE =	CHECKED - YOO	REVISED -
PLOT DATE = 8/6/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
PAVEMENT MARKING AND SIGNAGE PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 23+95.00 TO STA. 30+40.00

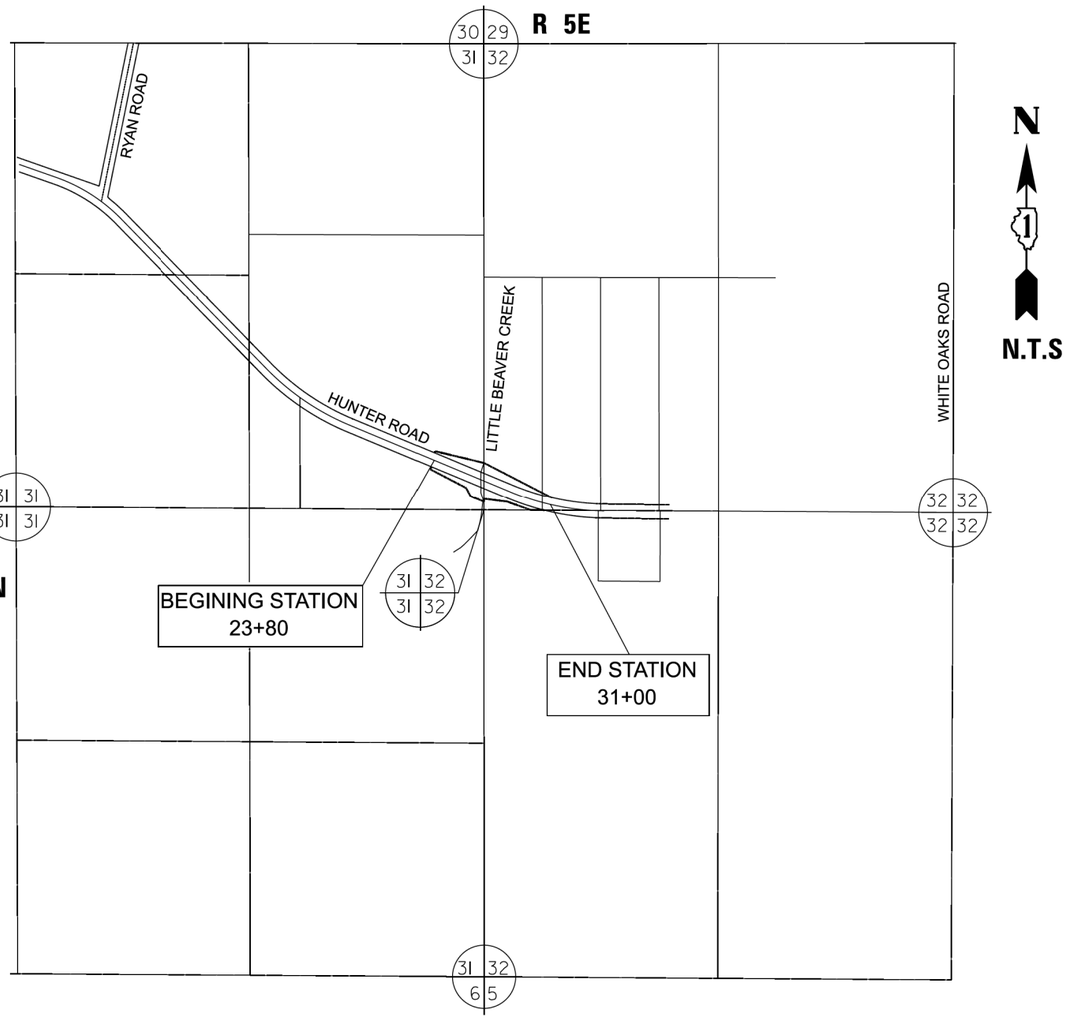
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	34
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001	DENNIS WILKENING, AS TRUSTEE U/T/A DATED 3/16/09 AND KNOWN AS THE DENNIS WILKENING REVOCABLE TRUST, AS TO AN UNDIVIDED ½ INTEREST AND LAURIE A. WILKENING, AS TRUSTEE U/T/A DATED 3/16/09 AND KNOWN AS THE LAURIE A. WILKENING REVOCABLE TRUST, AS TO AN UNDIVIDED ½ INTEREST	2, 3, 4	
0002	KENNETH E. BOOK, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 25TH DAY OF JUNE, 2014, KNOWN AS KENNETH E. BOOK DECLARATION OF TRUST, AS TO AN UNDIVIDED ½ INTEREST AND MIMI L. BOOK AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 25TH DAY OF JUNE, 2014, KNOWN AS MIMI L. BOOK DECLARATION OF TRUST, AS TO AN UNDIVIDED ½ INTEREST	2, 3, 4	
0005	KENNETH E. BOOK, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 25TH DAY OF JUNE, 2014, KNOWN AS KENNETH E. BOOK DECLARATION OF TRUST, AS TO AN UNDIVIDED ½ INTEREST AND MIMI L. BOOK AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 25TH DAY OF JUNE, 2014, KNOWN AS MIMI L. BOOK DECLARATION OF TRUST, AS TO AN UNDIVIDED ½ INTEREST	2, 3, 4	

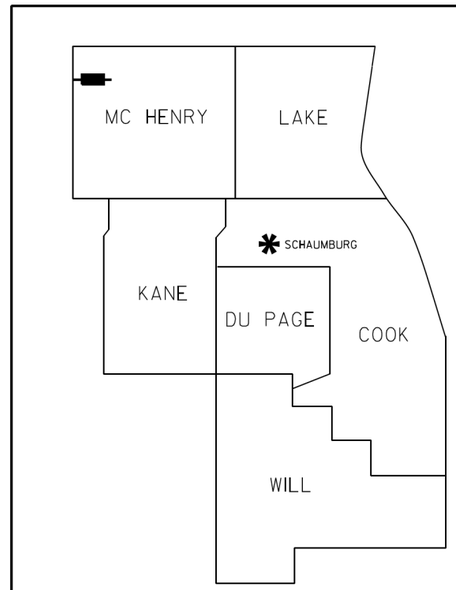
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: FAS 0039 HUNTER ROAD
SECTION: 18–00481–00–BR
COUNTY: McHENRY
LIMITS: AT LITTLE BEAVER CREEK
JOB NO.: R–55–001–97



LOCATION MAP



DISTRICT HEADQUARTERS: – ✱
LOCATION OF SECTION INDICATED THUS: –

N

1

N.T.S

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

SHEET 1 – COVER & INDEX SHEET
SHEET 2 – McHENRY – STA. 23+80 TO 31+00
SHEET 3 – McHENRY – STA. 23+80 TO 31+00

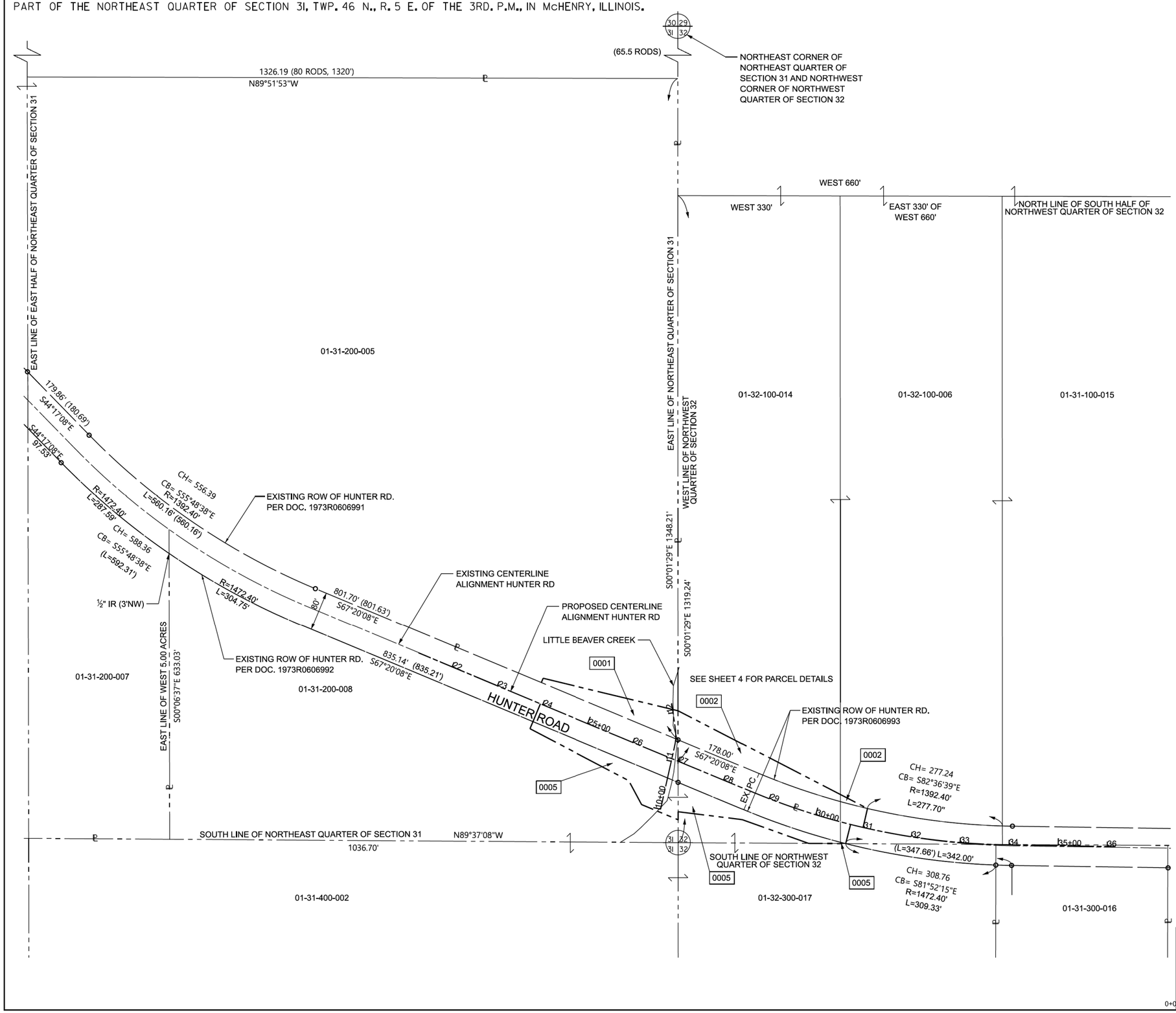
GROSS LENGTH = 720.00 FT. = 0.136 MILE (HUNTER RD)

AEG ATLAS ENGINEERING GROUP, LTD.
710 Estate Drive, | Deerfield, IL 60062
847.753.8020 (office) | 847.753.8023 (fax)

IDOT USE ONLY

0+00.00 0+00.00

PART OF THE NORTHWEST QUARTER OF SECTION 32, TWP. 46 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY, ILLINOIS.
PART OF THE NORTHEAST QUARTER OF SECTION 31, TWP. 46 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY, ILLINOIS.



LEGEND

SECTION CORNER
QUARTER SECTION CORNER

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

N

GRAPHIC SCALE FEET
0 100
SCALE: 1" = 100'

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

- o IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARING, DISTANCES, AND COORDINATES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99998486.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

FIELD SURVEY COMPLETED ON JUNE 25, 2024.

N.G.S. MONUMENT PID AJ2984 REFERENCED FOR PROJECT COORDINATES. PUBLISHED N: 2096801.18 E: 891355.59 (NAVD88) 2011.

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ATLAS ENGINEERING GROUP, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-005508, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 31 AND 32, TOWNSHIP 46 NORTH, RANGE 5 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DEERFIELD, ILLINOIS THIS _____ DAY OF _____ , 202_ A.D.

ROARK V. ROGERS
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003765
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

AEG ATLAS ENGINEERING GROUP, LTD.
710 Estate Drive | Deerfield, IL 60015
847.753.8020 (office) | 847.753.8023 (fax)

PLAT OF HIGHWAYS

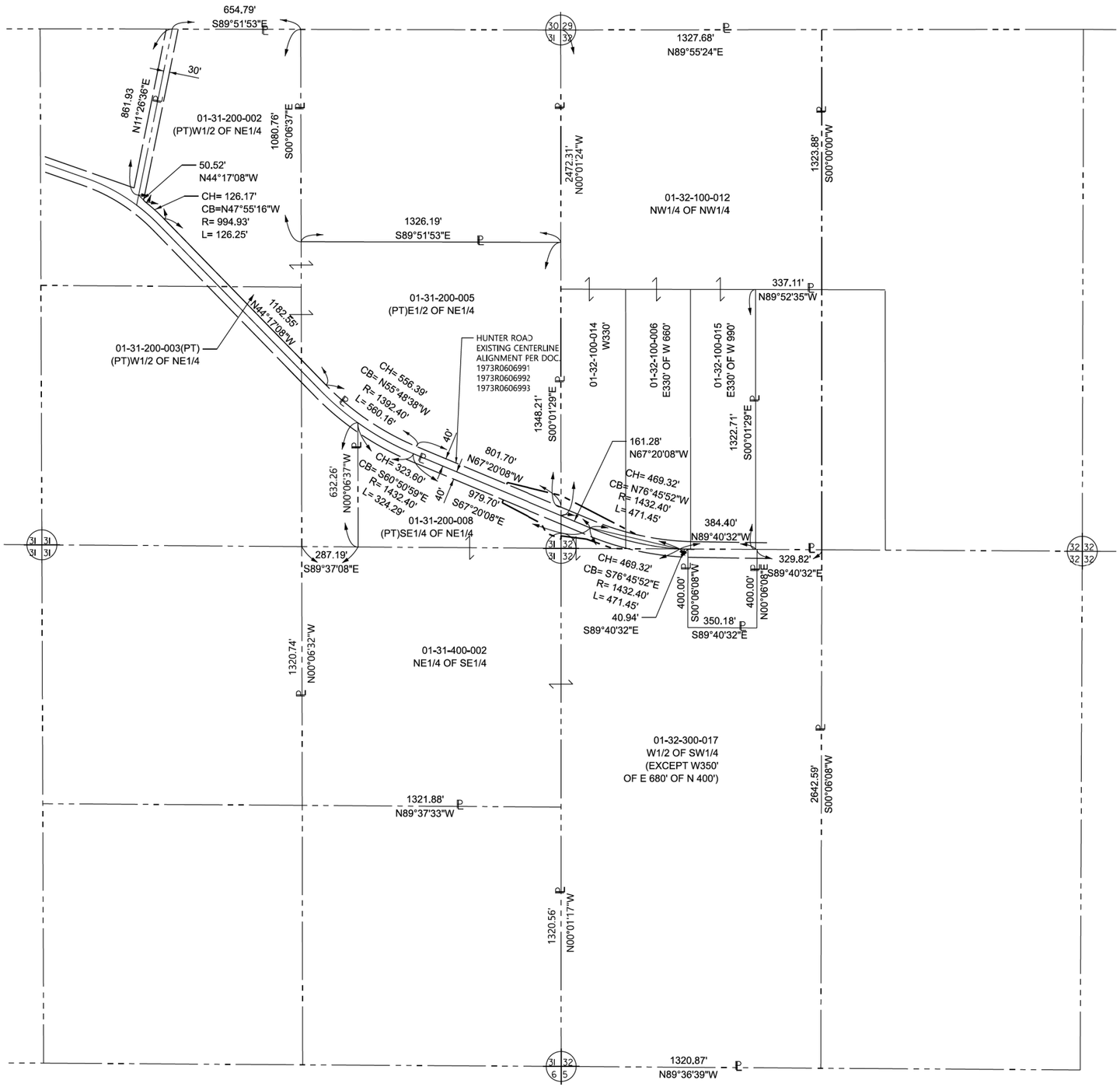
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
HUNTER ROAD

LIMITS: HUNTER ROAD AT LITTLE BEAVER CREEK
COUNTY: MCHENRY
SECTION: 18-00481-00-BR
JOB NO.: R-55-001-97
STA. 23+80.00 TO STA. 31+00.00
SCALE: 1" = 100'
SHEET 2 OF 4 SHEETS

IDOT USE ONLY

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

PART OF THE NORTHWEST QUARTER OF SECTION 32, TWP. 46 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY, ILLINOIS.
PART OF THE NORTHEAST QUARTER OF SECTION 31, TWP. 46 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY, ILLINOIS.



LEGEND

SECTION CORNER — QUARTER SECTION CORNER

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

N

GRAPHIC SCALE FEET
0 300
SCALE: 1" = 300'

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

- o IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARING, DISTANCES, AND COORDINATES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99998486.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

FIELD SURVEY COMPLETED ON JUNE 25, 2024.

N.G.S. MONUMENT PID AJ2984 REFERENCED FOR PROJECT COORDINATES. PUBLISHED N: 2096801.18 E: 891355.59 (NAVD88) 2011.

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ATLAS ENGINEERING GROUP, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-005508, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 31 AND 32, TOWNSHIP 46 NORTH, RANGE 5 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DEERFIELD, ILLINOIS THIS _____ DAY OF _____ , 202_ A.D.

ROARK V. ROGERS
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003765
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

AEG ATLAS ENGINEERING GROUP, LTD.
710 Estate Drive | Deerfield, IL 60015
847.753.8020 (office) | 847.753.8023 (fax)

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
HUNTER ROAD

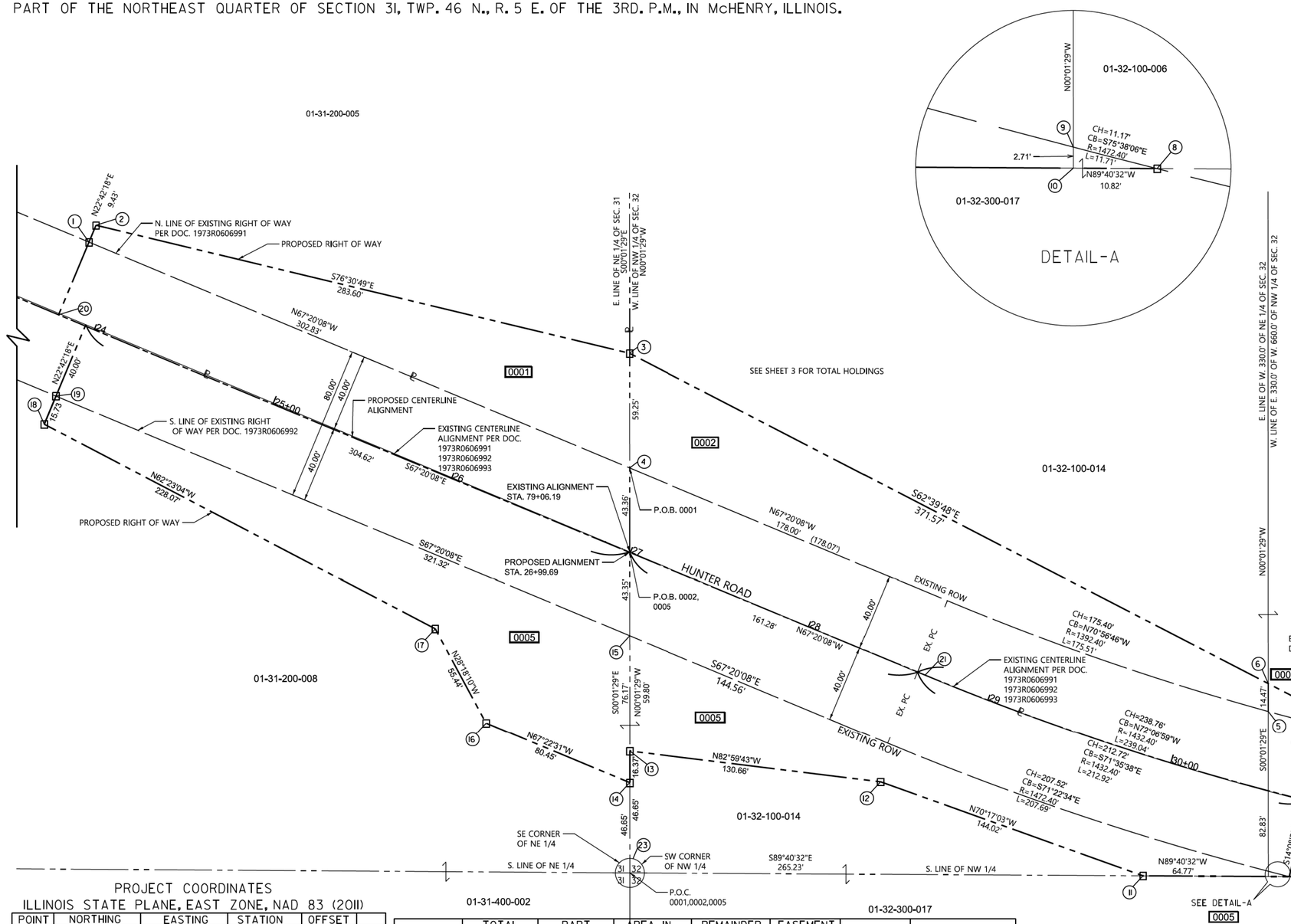
LIMITS: HUNTER ROAD AT LITTLE BEAVER CREEK
COUNTY: McHENRY
SECTION: 18-00481-00-BR JOB NO.: R-55-001-97
STA. 23+80.00 TO STA. 31+00.00
SCALE: 1" = 300' SHEET 3 OF 4 SHEETS

IDOT USE ONLY

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

0+00.00 0+00.00

PART OF THE NORTHWEST QUARTER OF SECTION 32, TWP. 46 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY, ILLINOIS.
PART OF THE NORTHEAST QUARTER OF SECTION 31, TWP. 46 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY, ILLINOIS.



LEGEND

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

GRAPHIC SCALE FEET 0 30
SCALE: 1" = 30'

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

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◍ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARING, DISTANCES, AND COORDINATES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99998486.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

FIELD SURVEY COMPLETED ON JUNE 25, 2024.

PROJECT COORDINATES FOR STATION AND OFFSET DATA ARE BASED ON PROPOSED CENTERLINE ALIGNMENT.

N.G.S. MONUMENT PID AJ2984 REFERENCED FOR PROJECT COORDINATES. PUBLISHED N: 2096,801.18 E: 891,355.59 (NAVD88) 2011.

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ATLAS ENGINEERING GROUP, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-005508, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 31 AND 32, TOWNSHIP 46 NORTH, RANGE 5 EAST OF THE THIRD PRINCIPAL McHENRY, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DEERFIELD, ILLINOIS THIS _____ DAY OF_____, 202_ A.D.

ROARK V. ROGERS
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003765
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

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

POINT	NORTHING	EASTING	STATION	OFFSET	
1	2096994.58	888454.95	23+80.00	40.73'	L
2	2097003.28	888458.60	23+80.00	50.16'	L
3	2096937.14	888734.40	26+60.20	95.00'	L
4	2096877.89	888734.40	26+82.94	40.29'	L
5	2096752.04	889064.44	30+41.50	39.80'	L
6	2096766.51	889064.44	30+37.51	53.75'	L
7	2096738.03	889119.54	31+00.00	39.65'	L
8	2096666.43	889075.30	30+73.66	40.27'	R
9	2096669.21	889064.49	30+62.81	40.25'	R
10	2096666.50	889064.49	30+63.46	42.87'	R
11	2096666.86	888999.71	30+03.20	60.00'	R
12	2096715.45	888864.14	28+65.05	60.00'	R
13	2096731.38	888734.46	27+39.17	95.00'	R
14	2096715.01	888734.47	27+45.45	110.12'	R
15	2096791.18	888734.43	27+16.22	39.78'	R
16	2096745.96	888660.21	26+65.00	110.00'	R
17	2096795.54	888634.09	26+22.01	75.00'	R
18	2096900.49	888431.83	23+95.00	54.99'	R
19	2096915.00	888437.91	23+95.00	39.26'	R

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PARCEL INDEX NUMBER
0001	54.032	0.220	0.000	53.812	-	-	01-31-200-005 01-31-200-002(PT) 01-31-200-003(PT)
0002	69.478	0.691	0.372	68.787	-	-	01-32-100-014 01-32-100-006 01-32-100-012 01-32-100-015
0005	127.159	1.118	0.626	126.041	-	-	01-31-200-008 01-32-100-014 01-31-100-006 01-31-400-002 01-32-300-017

POINT	NORTHING	EASTING	STATION	OFFSET	
20	2096957.01	888439.23	23+80.00	00.00'	-
21	2096770.86	888887.14	28+65.05	00.00'	-
22	2096699.38	889110.66	31+00.00	00.00'	-
23	2096668.37	888734.49	27+63.35	153.19'	R

AEG ATLAS ENGINEERING GROUP, LTD.
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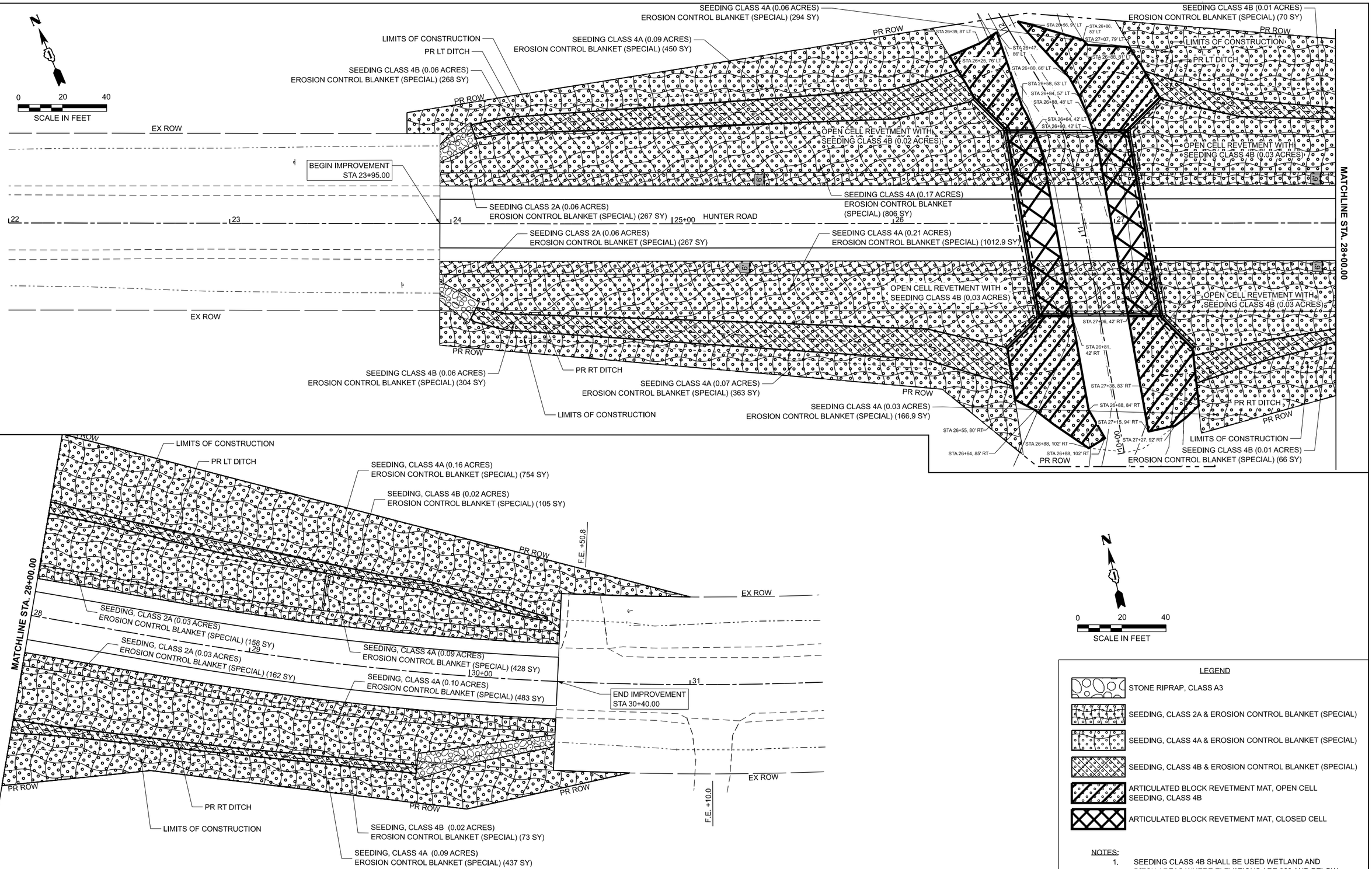
PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
HUNTER ROAD

LIMITS: HUNTER ROAD AT LITTLE BEAVER CREEK — COUNTY: McHENRY
SECTION: 18-00481-00-BR — JOB NO.: R-55-001-97
STA. 23+80 TO STA. 31+00
SCALE: 1" = 30' — SHEET 4 OF 4 SHEETS

IDOT USE ONLY

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



LEGEND

- STONE RIPRAP, CLASS A3
- SEEDING, CLASS 2A & EROSION CONTROL BLANKET (SPECIAL)
- SEEDING, CLASS 4A & EROSION CONTROL BLANKET (SPECIAL)
- SEEDING, CLASS 4B & EROSION CONTROL BLANKET (SPECIAL)
- ARTICULATED BLOCK REVETMENT MAT, OPEN CELL SEEDING, CLASS 4B
- ARTICULATED BLOCK REVETMENT MAT, CLOSED CELL

NOTES:

1. SEEDING CLASS 4B SHALL BE USED WETLAND AND DITCH AREAS WHERE ELEVATIONS ARE 868 AND BELOW.

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = lvo	DESIGNED - KAC	REVISED -	
	DRAWN - SMN	REVISED -	
PLOT SCALE =	CHECKED - YOO	REVISED -	
PLOT DATE = 10/7/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
LANDSCAPE PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 23+95.00 | TO STA. 30+40.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	39
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

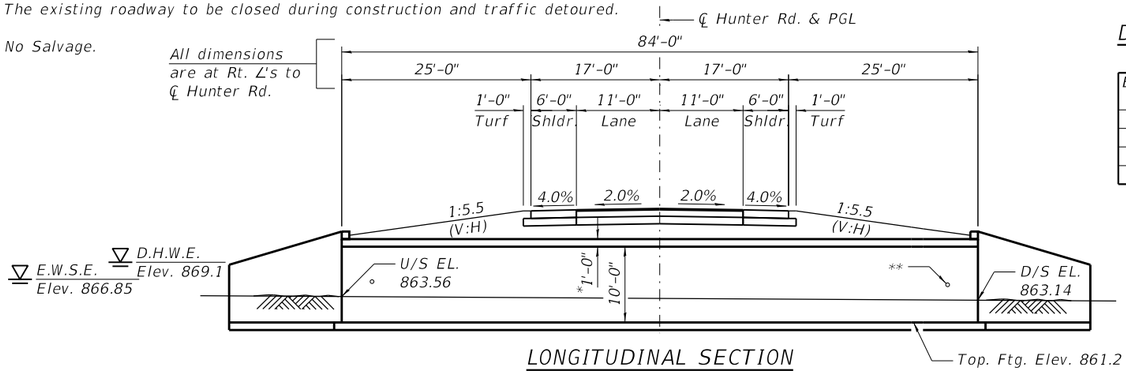
MODEL: Ldscp Plan1
FILE NAME: z:\2022\20179 HunterRdBridgeReplacementPhII\09-CADD\3_Sheets\220179-sht-ldscp.dgn

Benchmark: Stainless steel rod in sleeve: 26.4' west of centerline of White Oaks Road and 170' north of centerline of Hunter Road. Elev. = 910.68 (NAVD 88)

Existing Structure: Exist. SN 056-3034 is a single span precast prestressed concrete deck beam bridge with bituminous overlay supported by reinforced concrete spill-thru stub abutments on untreated timber piles. The bridge measures 46'-0½" back-to-back abutments, 27'-0" out-to-out deck and is skewed 15-degrees ahead right. The typical bridge cross section includes a 25'-0" clear roadway width and 1'-0" wide concrete curbs with side mounted steel plate beam guardrail. The bridge was built in 1963 and designed for an AASHTO H15-44 loading.

The existing roadway to be closed during construction and traffic detoured.

No Salvage.

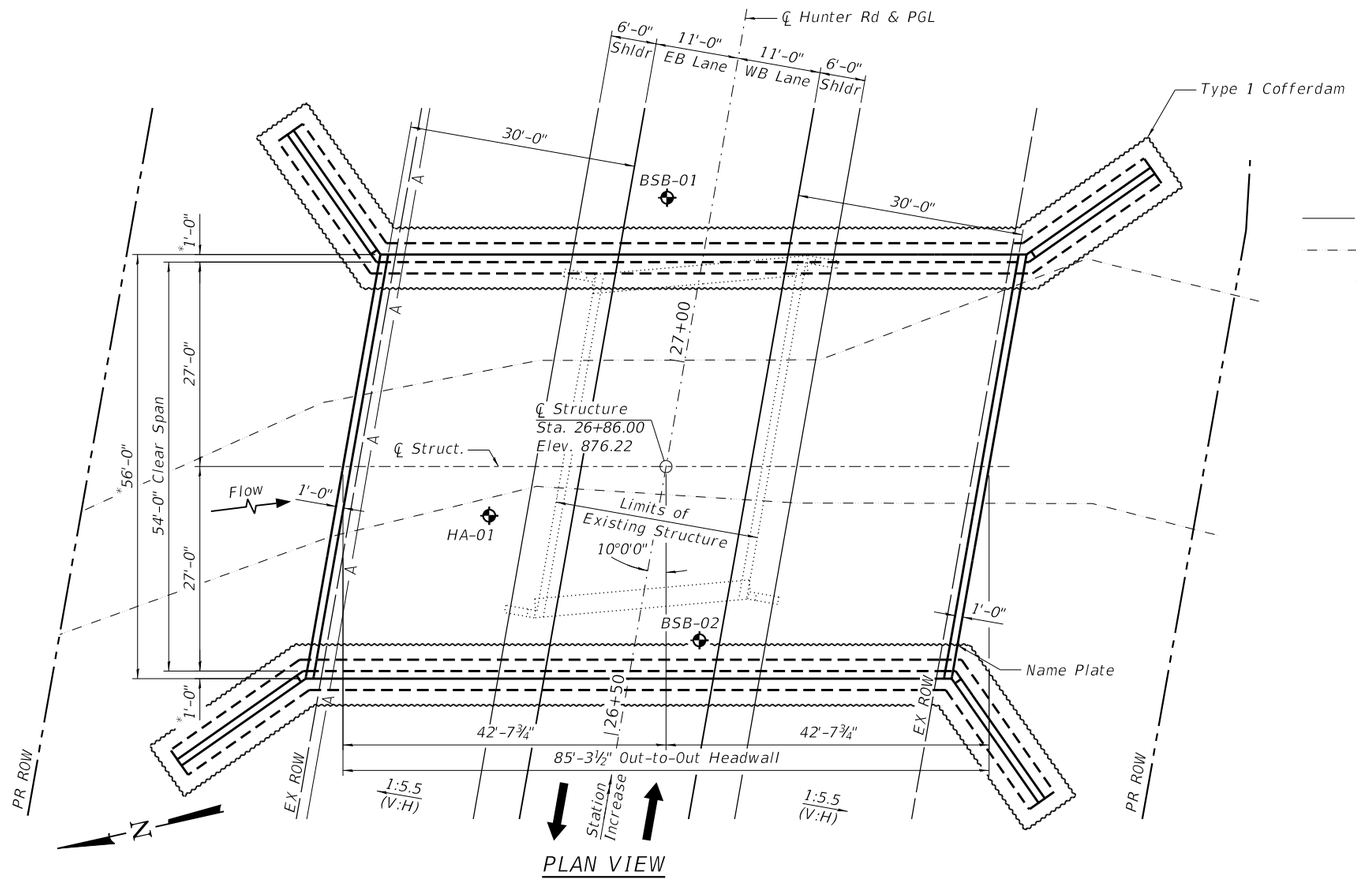


LONGITUDINAL SECTION

(Joints between Segments Not Shown)

* Slab and wall thicknesses and shape may vary as per manufacturer's design.

** 3" ○ drain openings spaced @ 8 ft max. ctr. and 2 ft above the flow line.



PLAN VIEW

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3-7. Boring Logs
8-10. Existing Plans

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.) East Footing	West Footing	Item 113
Q100	863.3	861.2	
Q200	860.2	858.4	8
Design	863.3	861.2	
Check	860.2	858.4	

WATERWAY INFORMATION

Drainage Area = 6.37 square miles
Existing Overtopping Elev. = 873.64 at Sta. 26+90
Proposed Overtopping Elev. = 874.02 at Sta. 23+95

Flood Event	Freq. Yr.	Discharge (cfs)	Opening (Sq. Ft.) Exist.	Opening (Sq. Ft.) Prop.	Nat. H.W.E. (ft.)	Head (ft.) Exist.	Head (ft.) Prop.	Headwater El. Exist.	Headwater El. Prop.
Minimum	10	339	130	135	868.5	0.0	0.0	868.5	868.5
Design	30	456	154	157	869.1	0.0	0.0	869.1	869.1
Base	100	595	170	171	869.5	0.2	0.2	869.7	869.7
Scour Design Check	200	674	174	175	869.6	0.3	0.3	869.9	869.9
Overtopping (E)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Overtopping (P)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. Calc.	500	780	182	180	869.8	0.4	0.4	870.2	870.2

10-Year Velocity Through Existing Structure = 2 fps
10-Year Velocity Through Proposed Structure = 2 fps

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

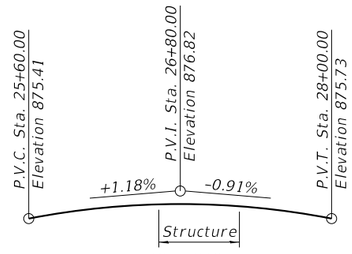
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 5,000 psi
fy = 60,000 psi (Reinforcement)
fy = 65,000 psi (WWF)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.076g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.126g
Soil Site Class = D



PROFILE GRADE

(along ℄ of Hunter Rd)

LEGEND

A — Exist. Aerial
Exist. Creek
Soil Boring

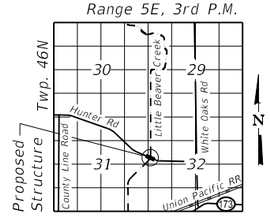
I certify that to the best of knowledge, information and belief, this bridge/box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.

LICENSED STRUCTURAL ENGINEER
JIAHONG ZUO
081.006794
STATE OF ILLINOIS

Signed:

Date: 10/31/2024
License Expires: 11/30/2026

Note:
Remove the existing abutments and/or piles 2 feet minimum below the top of proposed grade.



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
HUNTER RD OVER LITTLE BEAVER CREEK
FAS ROUTE 0039
SECTION 18-00481-00-BR
MCHENRY COUNTY
STATION 26+86.00
S.N. 056-3197

WBK ENGINEERING
WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = ctacey	DESIGNED - JMM	REVISED -
	CHECKED - JZ	REVISED -
PLOT SCALE = 1:20	DRAWN - CPT	REVISED -
PLOT DATE = 10/31/2024	CHECKED - JZ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 056-3197
SHEET NO. 1 OF 10 SHEETS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	40
		CONTRACT NO.61K92		
	ILLINOIS	FED. AID PROJECT		

FILE NAME = Z:\2022\220179 HunterRdBridgeReplacement\Phi1\KH-CADD\Structural\Dgn\056303A-001-GPE.dgn

GENERAL NOTES

1. See Drainage plans for details of the slope protection or revetment system.

2. See the latest GBSP 90 for Three-Sided Precast Concrete Structure design and construction requirements.

3. The three-sided structure, headwalls, wingwalls, foundations and pedestal walls shall be designed by the Contractor.

4. Refer to SGR dated March 14, 2022 (by Wang Engineering) for geotechnical information.

5. Cost to remove the existing concrete slope wall shall be included in the cost of Removal of Existing Structures.

6. The foundation design is based on the following maximum reactions applied at the top of the footing/pedestal wall:

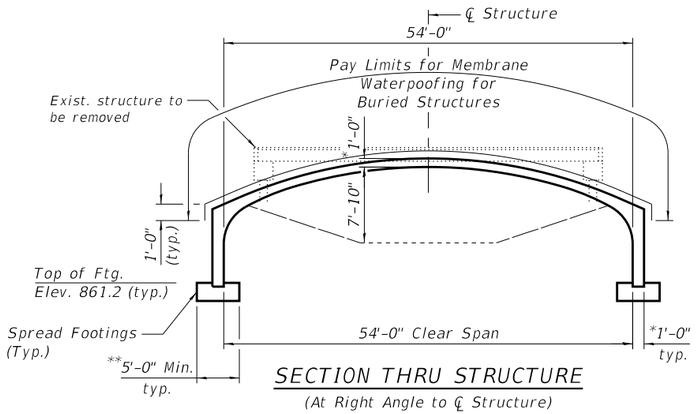
   Exterior footings:
   DC: 6.5 kips/ft (Vertical); 20.6 kips/ft (Horizontal)
   EV: 27.5 kips/ft (Vertical); 87.1 kips/ft (Horizontal)
   DW: 5.7 kips/ft (Vertical); 46.6 kips/ft (Horizontal)
   LL: 6.4 kips/ft (Vertical); 9.3 kips/ft (Horizontal)
   EH: -1.7 kips/ft (Horizontal)
   ES: -0.2 kips/ft (Horizontal)
   LS: -0.3 kips/ft (Horizontal)

   Note: "-" denotes horizontal force acts towards ℄ structure.

   The Contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete foundation design with calculations, details, and the required seals shall be submitted for review and approval.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.	162		162
Removal of Existing Structures	Each	1		1
Cofferdam Excavation	Cu. Yd.	1,034		1,034
Name Plates	Each	1		1
Granular Backfill for Structures	Cu. Yd.	1,119		1,119
Cofferdam (Type 1) (In-Stream/Wetland Work)	Each	2		2
Three-Sided Precast Concrete Structures (Special) 54 FT	Foot	86		86
Membrane Waterproofing System for Buried Structures	Sq. Yd.	564.5		564.5
Asbestos Bearing Pad Removal	Each	9		9



SECTION THRU STRUCTURE
(At Right Angle to ℄ Structure)

LITTLE BEAVER CREEK
BUILT 202X BY
MCHENRY COUNTY
Sec. 18-00481-00-BR
F.A.S. RT. 0039 STA. 26+86
STR. NO. 056-3197
LOADING HL-93

NAME PLATE
See Std. 515001

* Slab and wall thicknesses and shape may vary as per manufacturer's design.

** Based on SGR recommendation.

FILE NAME = Z:\2022\220179 Hunter-RdBridgeReplacement\Phil\01-CADD\Structural\Dgn\056303A-002-GenData.dgn

WBK ENGINEERING
WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = ctacey	DESIGNED - JMM	REVISED -	
	CHECKED - JZ	REVISED -	
PLOT SCALE = 1:20	DRAWN - CPT	REVISED -	
PLOT DATE = 10/31/2024	CHECKED - JZ	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 056-3197
SHEET NO. 2 OF 10 SHEETS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	41
		CONTRACT NO.61K92		
	ILLINOIS FED. AID PROJECT			

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax:

BORING LOG BSB-01

WEI Job No.: 412-14-01

Client: Wills Burke Kelsey Associates, Ltd.
Project: Hunter Road over Little Beaver Creek
Location: McHenry, IL

Datum: NAVD88
Elevation: 877.06 ft
North: 2096831.66 ft
East: 888756.39 ft
Station: 27+20.98
Offset: 6.02 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	876.2	10-inch thick ASPHALT --PAVEMENT--						
	874.1	Loose, brown SANDY LOAM, some gravel; damp --FILL-- --RDR 2--			1	6 3 2	NP	13
	871.6	Stiff, dark brown to black SILTY CLAY LOAM; moist --trace organic matter-- --RDR 2--	5		2	2 1 4	1.50 P	38
	868.2	Medium stiff, brown and gray CLAY LOAM to SILTY CLAY; moist --RDR 2--			3	1 2 2	0.98 B	29
	866.6	Loose, gray SILT, trace organic matter; moist to wet --RDR 2--	10		4	2 1 2	NP	24
	865.6	Medium stiff, brown SILTY CLAY; moist						
	865.5	Gray SANDY GRAVEL; saturated			5	4 11 11	0.57 B	29
	864.1	Gray SILTY LOAM, little gravel; moist						
		Loose to dense, gray SANDY GRAVEL; saturated --RDR 2--	15		6	9 20 23	NP	8
					7	9 11 14	NP	15
			20		8	3 7 9	NP	9
		--heaving sand and gravel in augers--	25		9	4 6 10	NP	7
	851.6	Stiff to very stiff, gray SILTY CLAY, trace gravel; damp to moist --RDR 2--			10	3 2 6	NP	13
					11	3 5 12	2.30 B	18
	848.1	Medium dense to very dense, gray SANDY GRAVEL; saturated --RDR 2 to 4--	30		12	6 7 7	1.31 B	15
			35		13	7 10 17	NP	11
			40		14	9 15 21	NP	6

GENERAL NOTES

Begin Drilling: 05-21-2020 Complete Drilling: 05-21-2020
Drilling Contractor: Wang Testing Services Drill Rig: 17B57T [91%]
Driller: N&K Logger: J. Bensen Checked by: C. Marin
Drilling Method: 3.25 IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 11.50 ft
At Completion of Drilling: 45.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4121401.GPJ WANGENG.GDT 3/14/22

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax:

BORING LOG BSB-01

WEI Job No.: 412-14-01

Client: Wills Burke Kelsey Associates, Ltd.
Project: Hunter Road over Little Beaver Creek
Location: McHenry, IL

Datum: NAVD88
Elevation: 877.06 ft
North: 2096831.66 ft
East: 888756.39 ft
Station: 27+20.98
Offset: 6.02 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		--heaving sand and gravel--						
			45		15	39 50/3"	NP	7
		--rig chatter; hard drilling-- --possible cobbles-- --heaving sand and gravel in augers--						
	830.3	Hard, gray CLAY LOAM to SILTY LOAM, trace gravel; damp --RDR 2--						
			50		16	11 21 27	5.82 B	8
	825.3	Very dense, gray SANDY LOAM, little gravel; saturated --RDR 2--						
			55		17	20 30 40	NP	11
	820.3	Hard, gray SILTY LOAM to CLAY LOAM, trace gravel; damp						
					18	10 24 30	6.89 S	8
	817.1	Boring terminated at 60.00 ft	60					

GENERAL NOTES

Begin Drilling: 05-21-2020 Complete Drilling: 05-21-2020
Drilling Contractor: Wang Testing Services Drill Rig: 17B57T [91%]
Driller: N&K Logger: J. Bensen Checked by: C. Marin
Drilling Method: 3.25 IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 11.50 ft
At Completion of Drilling: 45.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4121401.GPJ WANGENG.GDT 3/14/22

FILE NAME = Z:\2022\220179 Hunter Rd Bridge Replacement Phii\04-CADD\Structural\Dgn\056-3834-003-BLog1.dgn

WBK ENGINEERING
WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = ctacey	DESIGNED - JMM	REVISED -	
	CHECKED - JZ	REVISED -	
PLOT SCALE = 1:0.166667	DRAWN - CPT	REVISED -	
PLOT DATE = 10/31/2024	CHECKED - JZ	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I
STRUCTURE NO. 056-3197
SHEET NO. 3 OF 10 SHEETS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	42
		CONTRACT NO.61K92		
	ILLINOIS	FED. AID PROJECT		

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1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax:

BORING LOG BSB-02

WEI Job No.: 412-14-01

Client: Wills Burke Kelsey Associates, Ltd.
Project: Hunter Road over Little Beaver Creek
Location: McHenry, IL

Datum: NAVD88
Elevation: 877.45 ft
North: 2096840.18 ft
East: 888698.43 ft
Station: 26+64.18
Offset: 8.33 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	876.8	8-inch thick ASPHALT --PAVEMENT--						
	874.4	Loose, brown SANDY GRAVEL; moist --FILL-- --RDR 3--			1	5 6 3	NP	6
	871.9	Soft, dark brown to black SILTY CLAY LOAM; moist --trace organic matter-- --RDR 2--	5		2	1 2 2	0.25 P	38
	869.4	Stiff, brown and gray CLAY LOAM to SILTY CLAY; moist --RDR 2--			3	1 2 2	1.07 B	30
		Loose, gray SILT, trace organic matter; moist to wet --RDR 2--	10		4	1 2 3	NP	20
	866.9	Medium dense to dense, gray SANDY GRAVEL; saturated --RDR 2 to 3--			5	8 12 16	NP	9
			15		6	9 17 22	NP	8
					7	11 15 15	NP	8
			20		8	17 12 13	NP	10
	854.4	--heaving sand and gravel--			9	11 6 9	NP	8
	851.9	Very stiff, gray SILTY CLAY, trace gravel; moist --RDR 2--	25		10	4 4 6	2.46 B	16
	850.4	Loose, gray SANDY LOAM, some gravel; moist			11	3 3 4	1.00 P	12
	848.4	Stiff, gray SILTY CLAY LOAM, trace gravel; damp --RDR 2--	30		12	4 8 4	0.90 B	15
	845.7	Medium dense, gray SANDY GRAVEL; saturated --RDR 2--						
		Loose, gray, fine SAND, little gravel; saturated --RDR 2--	35		13	4 5 3	NP	15
	840.7	Medium dense to very dense, gray GRAVELLY SANDY LOAM; saturated --RDR 2 to 4-- --L_L(%)=NP, P_L(%)=NP-- --%Gravel=35.2-- --%Sand=47.7--	40		14	8 10 10	NP	8

GENERAL NOTES

Begin Drilling: 05-21-2020 Complete Drilling: 05-21-2020
Drilling Contractor: Wang Testing Services Drill Rig: 17B57T [91%]
Driller: N&K Logger: J. Bensen Checked by: C. Marin
Drilling Method: 3.25 IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 10.50 ft
At Completion of Drilling: 56.50 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG BSB-02

WEI Job No.: 412-14-01

Client: Wills Burke Kelsey Associates, Ltd.
Project: Hunter Road over Little Beaver Creek
Location: McHenry, IL

Datum: NAVD88
Elevation: 877.45 ft
North: 2096840.18 ft
East: 888698.43 ft
Station: 26+64.18
Offset: 8.33 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		--%Silt=13.1-- --%Clay=4.0-- --A-1-b (0)-- --3-inch thick, medium stiff (0.50 P), gray silty clay lens-- --heaving sand and gravel in augers--						
			45		15	50/6"	NP	8
	830.7	--rig chatter; hard drilling-- Very stiff to hard, gray CLAY LOAM to SILTY LOAM, little gravel; damp --RDR 2--						
			50		16	10 18 24	3.94 S	8
			55		17	15 26 31	4.10 S	7
	817.4	Boring terminated at 60.00 ft	60		18	16 28 32	5.74 S	8

GENERAL NOTES

Begin Drilling: 05-21-2020 Complete Drilling: 05-21-2020
Drilling Contractor: Wang Testing Services Drill Rig: 17B57T [91%]
Driller: N&K Logger: J. Bensen Checked by: C. Marin
Drilling Method: 3.25 IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 10.50 ft
At Completion of Drilling: 56.50 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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USER NAME = ctacey	DESIGNED - JMM	REVISED -	
	CHECKED - JZ	REVISED -	
PLOT SCALE = 1:0.166667	DRAWN - CPT	REVISED -	
PLOT DATE = 10/31/2024	CHECKED - JZ	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II
STRUCTURE NO. 056-3197
SHEET NO. 4 OF 10 SHEETS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	43
		CONTRACT NO.61K92		
	ILLINOIS	FED. AID PROJECT		

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1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax:

BORING LOG HA-01

WEI Job No.: 412-14-01

Client: Wills Burke Kelsey Associates, Ltd.
Project: Hunter Road over Little Beaver Creek
Location: McHenry, IL

Datum: NAVD88
Elevation: 871.16 ft
North: 2096863.69 ft
East: 888720.53 ft
Station: 26+75.56
Offset: 21.86 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		Medium stiff, brown SILTY LOAM to SILTY CLAY LOAM, trace gravel; wet			1	PUSH	0.57 B	45
		--%Gravel=3.7-- --%Sand=11.1-- --%Silt=66.5-- --%Clay=18.7--						
	869.2	Soft, black SILTY CLAY LOAM, few sand seams; wet			2	PUSH	0.38 B	47
	867.2	--trace organic matter--						
		Boring terminated at 4.00 ft	5					
			10					
			15					
			20					

GENERAL NOTES

Begin Drilling: 05-22-2020 Complete Drilling: 05-22-2020
Drilling Contractor: Wang Testing Services Drill Rig: GEOPROBE
Driller: N&K Logger: I. Nenn Checked by: C. Marin
Drilling Method: 1" IDA Pneumatic Geoprobe LB Sampler

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4121401.GPJ WANGENG.GDT 3/14/22

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BORING LOG SGB-01

WEI Job No.: 412-14-01

Client: Wills Burke Kelsey Associates, Ltd.
Project: Hunter Road over Little Beaver Creek
Location: McHenry, IL

Datum: NAVD88
Elevation: 877.79 ft
North: 2097075.86 ft
East: 888173.90 ft
Station: 20+89.36
Offset: 7.41 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		10-inch thick ASPHALT						
	877.0	--PAVEMENT--						
		Medium dense, brown, medium SAND, trace gravel; damp --FILL--			1	9 11 11 5	NP	7
	875.3	--RDR 2--						
		Soft to medium stiff, black and gray CLAY to SILTY CLAY; damp			2	5 3 3	0.98 B	37
		--trace organic matter-- --RDR 2--	5					
					3	2 2 2 4	0.33 B	33
	871.3	Medium stiff, greenish gray SILTY CLAY; damp						
		--RDR 2--			4	2 2 2 3	0.74 B	28
		--few sand lenses, wet--	10		5	2 1 3 10	0.50 P	18
	867.0	Medium dense, gray, medium to coarse SAND, some gravel; saturated			6	15 16 16 15	NP	6
		--RDR 2--						
	864.8	Boring terminated at 13.00 ft	15					
			20					

GENERAL NOTES

Begin Drilling: 05-22-2020 Complete Drilling: 05-22-2020
Drilling Contractor: Wang Testing Services Drill Rig: 18D25A [85%]
Driller: N&K Logger: I. Nenn Checked by: C. Marin
Drilling Method: 2.25 IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 10.00 ft
At Completion of Drilling: 6.50 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4121401.GPJ WANGENG.GDT 3/14/22

FILE NAME = Z:\2022\220179 Hunter-RdBridgeReplacement\Phii\01-CADD\Structure\Dgn\056-3034-005-Blog3.dgn

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USER NAME = ctacey	DESIGNED - JMM	REVISED -	
	CHECKED - JZ	REVISED -	
PLOT SCALE = 1:0.166667	DRAWN - CPT	REVISED -	
PLOT DATE = 10/31/2024	CHECKED - JZ	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS III
STRUCTURE NO. 056-3197
SHEET NO. 5 OF 10 SHEETS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	44
		CONTRACT NO.61K92		
		ILLINOIS	FED. AID PROJECT	

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Telephone: (630) 953-9928
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BORING LOG SGB-02

WEI Job No.: 412-14-01

Client: **Wills Burke Kelsey Associates, Ltd.**
Project: **Hunter Road over Little Beaver Creek**
Location: **McHenry, IL**

Datum: NAVD88
Elevation: 877.41 ft
North: 2096961.24 ft
East: 888449.23 ft
Station: 23+87.57
Offset: 7.78 LT

Depth (ft)	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
0	876.6	10-inch thick ASPHALT --PAVEMENT--					
	874.7	Medium dense, brown, Gravelly coarse SAND; moist --FILL-- --RDR 2--		1	10 13 16 10	NP	6
	873.4	Medium stiff, brown and gray SILTY LOAM to SILTY CLAY LOAM, trace gravel; damp		2	7 8 5 4	0.66 B	25
5	873.3	--FILL--					
	872.7	--RDR 2-- --L_L(%)=44, P_L(%)=17-- --%Gravel=8.0-- --%Sand=21.9-- --%Silt=52.9-- --%Clay=17.1-- --A-7-6 (17)--		3	4 5 2 3	< 0.25 P	23
	870.9	1-inch thick ASPHALT --old pavement--		4	1 1 1 4	0.41 B	34
		Black SILTY CLAY --BURIED TOPSOIL--					
10	867.4	Very soft, brown SILTY CLAY LOAM; damp --RDR 2--		5	1 7 9 7	0.08 B	29
		Very soft to soft, black to greenish gray CLAY to SILTY CLAY; moist --trace organic matter-- --RDR 2-- --odor--		6	6 9 17 18	NP	12
	864.4	Medium dense, gray, medium to coarse, little gravel; saturated --RDR 2--					
15		Boring terminated at 13.00 ft					
20							

GENERAL NOTES

Begin Drilling: **05-22-2020** Complete Drilling: **05-22-2020**
Drilling Contractor: **Wang Testing Services** Drill Rig: **18D25A [85%]**
Driller: **N&K** Logger: **I. Nenn** Checked by: **C. Marin**
Drilling Method: **2.25 IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **10.50 ft**
At Completion of Drilling: **7.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 412401.GPJ WANGENG.GDT 3/14/22

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BORING LOG SGB-03

WEI Job No.: 412-14-01

Client: **Wills Burke Kelsey Associates, Ltd.**
Project: **Hunter Road over Little Beaver Creek**
Location: **McHenry, IL**

Datum: NAVD88
Elevation: 878.53 ft
North: 2096728.53 ft
East: 889025.44 ft
Station: 30+10.20
Offset: 8.95 LT

Depth (ft)	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
0	877.7	10-inch thick ASPHALT --PAVEMENT--					
		Loose, brown, medium to coarse SAND, trace gravel; damp --FILL-- --RDR 2--		1	8 5 2 3	NP	5
	876.1	Very soft, brown CLAY LOAM to SILTY CLAY LOAM; damp to moist		2	3 2 2 2	0.16 B	14
	874.0	--FILL-- --RDR 2--					
5		Stiff, black and gray CLAY to SILTY CLAY; damp --trace organic matter--		3	2 3 3 4	1.80 B	35
	872.0	--RDR 2--					
		Very soft to medium stiff, black to gray SILTY CLAY LOAM to SILTY LOAM --RDR 2--		4	2 1 1 2	0.50 P	29
10				5	1 2 1 10	< 0.25 P	19
	867.6	Very dense, brown GRAVELLY SAND; saturated --RDR 3--		6	13 23 33 19	NP	10
	865.5	Boring terminated at 13.00 ft					
15							
20							

GENERAL NOTES

Begin Drilling: **05-22-2020** Complete Drilling: **05-22-2020**
Drilling Contractor: **Wang Testing Services** Drill Rig: **18D25A [85%]**
Driller: **N&K** Logger: **I. Nenn** Checked by: **C. Marin**
Drilling Method: **2.25 IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **11.00 ft**
At Completion of Drilling: **8.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 412401.GPJ WANGENG.GDT 3/14/22

FILE NAME = Z:\2022\220179 Hunter Rd Bridge Replacement Phil\BR-CADD\Structural\Dgn\05S3034-006-BL.dgn

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USER NAME = ctacey	DESIGNED - JMM	REVISED -
	CHECKED - JZ	REVISED -
PLOT SCALE = 1:0.166667	DRAWN - CPT	REVISED -
PLOT DATE = 10/31/2024	CHECKED - JZ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS IV
STRUCTURE NO. 056-3197
SHEET NO. 6 OF 10 SHEETS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	45
		CONTRACT NO.61K92		
	ILLINOIS	FED. AID PROJECT		

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BORING LOG SGB-04

WEI Job No.: 412-14-01

Client: **Wills Burke Kelsey Associates, Ltd.**
Project: **Hunter Road over Little Beaver Creek**
Location: **McHenry, IL**

Datum: NAVD88
Elevation: 883.49 ft
North: 2096675.17 ft
East: 889301.00 ft
Station: 32+91.07
Offset: 1.94 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	882.8	8-inch thick ASPHALT --PAVEMENT--						
	881.3	Medium dense, brown, medium to coarse SAND, little gravel; damp --FILL-- --RDR 2--			1	12 12 9 8	NP	4
	879.7	Medium stiff, black, brown and gray SILTY CLAY LOAM; damp --FILL-- --RDR 2--			2	5 5 5 6	0.90 B	18
	878.7	1-inch thick ASPHALT	5					
		Black and gray SILTY CLAY LOAM			3	2 3 5 5	1.07 B	26
		Soft to stiff, brown CLAY to SILTY CLAY; damp --RDR 2--			4	4 3 3 4	0.82 B	25
	873.7	Soft to stiff, brown CLAY LOAM, trace gravel; moist --RDR 2--	10		5	3 3 2 1	0.33 B	19
					6	3 4 5 12	1.07 B	11
	870.5	Boring terminated at 13.00 ft	15					
			20					

GENERAL NOTES

Begin Drilling: **05-22-2020** Complete Drilling: **05-22-2020**
Drilling Contractor: **Wang Testing Services** Drill Rig: **18D25A [85%]**
Driller: **N&K** Logger: **I. Nenn** Checked by: **C. Marin**
Drilling Method: **2.25 IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **DRY**
At Completion of Drilling: **DRY**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types, the actual transition may be gradual.

WANGENGINC 4121401.GPJ WANGENG.GDT 3/14/22

FILE NAME = Z:\2022\220179 Hunter-RdBridgeReplacement-Phil\09-CADD\Structural\Dgn\056303A-007-BLog5.dgn

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USER NAME = ctacey	DESIGNED - JMM	REVISED -	
	CHECKED - JZ	REVISED -	
PLOT SCALE = 1:0.166667	DRAWN - CPT	REVISED -	
PLOT DATE = 10/31/2024	CHECKED - JZ	REVISED -	

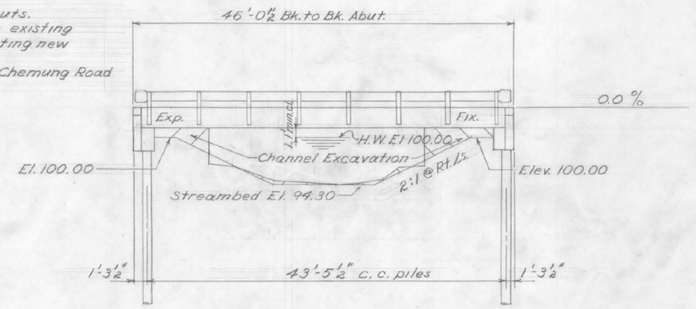
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS V
STRUCTURE NO. 056-3197
SHEET NO. 7 OF 10 SHEETS

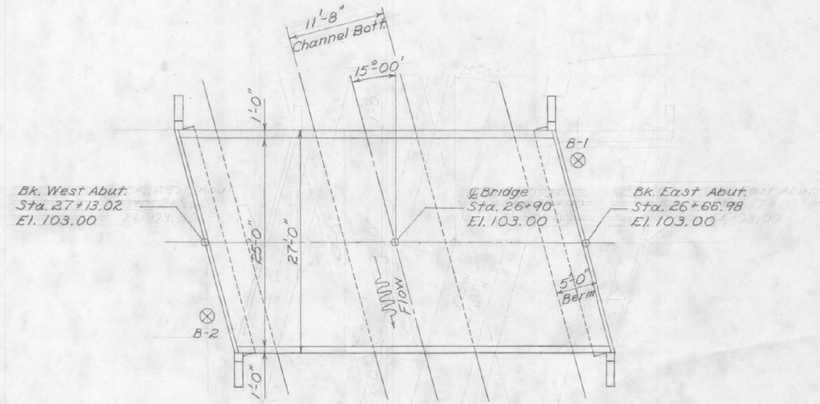
FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	46
		CONTRACT NO.61K92		
		ILLINOIS	FED. AID PROJECT	

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
		McHENRY	6	3
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

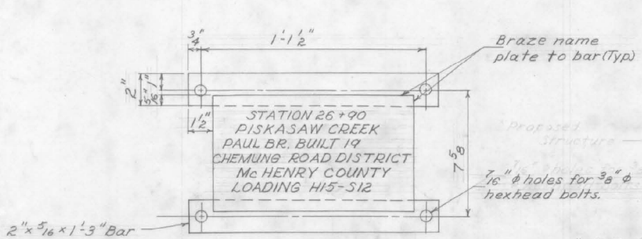
B.M. : #1 Rt. of Sta. 27+66 R.R. Spike in Power Pole Elev. 100.00
Existing Structure : One span I-beam @ 30'-0"; timber floor ; 14'-0" rdwy.
Substructure : Closed conc. abuts.
Bridge Contractor shall remove existing structure before constructing new bridge.
I-beams to become property of Chemung Road District.



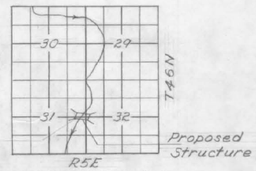
ELEVATION



PLAN



LETTERING FOR NAME PLATE
See Std. 2113

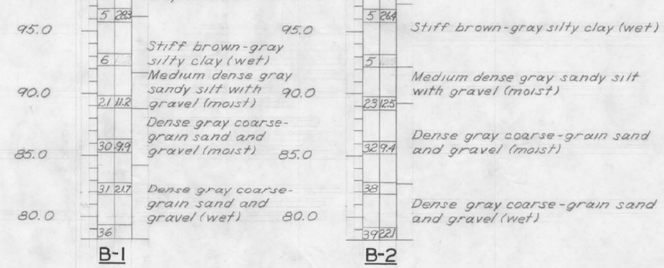


LOCATION PLAN

Note : 2" x 5/16" x 1'-3" bars are incidental to the cost of Name Plates and will not be paid for separately.

GENERAL NOTES

Class X Concrete shall be used in the Abutments.
The Contractor shall drive one timber test pile, as directed by the Engineer, before ordering the timber piles.
Boring Data are shown only as a guide to bidders in estimating soil conditions which may be encountered during construction.
Metal handrail, posts & metal straps for Name Plates shall recieve one shop coat of red lead paint & two field coats of aluminum paint in accordance with Art. 511 to 515 of the Standard Specifications.



BORING DATA

Note:
% = Moisture Content
N = Blows / ft. or penetration of split spoon sampler
Wt. of hammer = 140# Drop = 2'-6"

TOTAL BILL OF MATERIAL

Item		Super	Sub	Total
Precast Prestressed Concrete Bridge				
Deck	Sq.Ft.		1215	1215
Reinforcement Bars	Lbs.		1540	1540
Metal Plate Bridge Rail	Lin.Ft.	84		84
Creosoted Piles	Lin.Ft.		264	264
Test Piles (Timber)	Each		1	1
Name Plates	Each	1		1
Removal of Existing Structures	Each			1
Bituminous Surface Treatment, A-3	Sq. Yds.	125		125
Class X Concrete	Cu. Yds.		15.9	15.9

WATERWAY INFORMATION

Drainage Area	4,150 acres
Required Opening (15yr)	130 sq. ft.
Present Opening	126 sq. ft.
Proposed Opening	132 sq. ft.

DESIGN STRESSES

fc = 1400 psi (Class X Conc.)
fs = 20,000 psi. Reinf.
n = 10 (Class X Conc.)

Loading H15-S12-44

GENERAL PLAN & ELEVATION
PAUL BRIDGE
CHEMUNG ROAD DISTRICT
McHENRY COUNTY
STATION 26+90

COLLINS AND RICE
CONSULTING ENGINEERS
DESIGNED MJR CHECKED REG, MJR
DRAWN TAL DATE 3-1-62 NO. 141

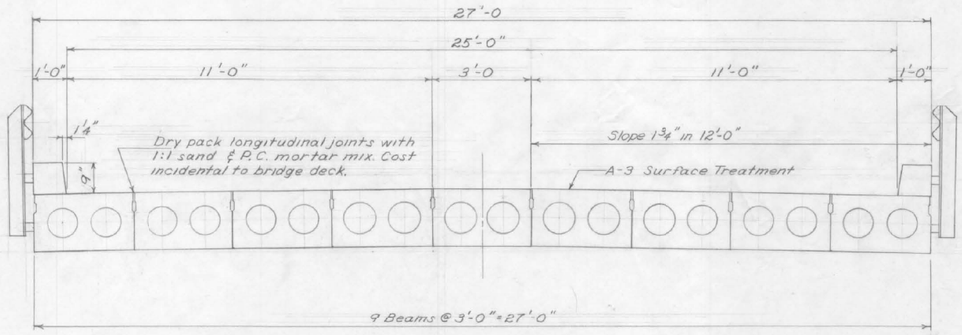
FILE NAME = Z:\2022\220179 HunterRdBridgeReplacementPhII\01-CADD\Structural\Dgn\D053034-000-ExStr1.dgn

WBK ENGINEERING
WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

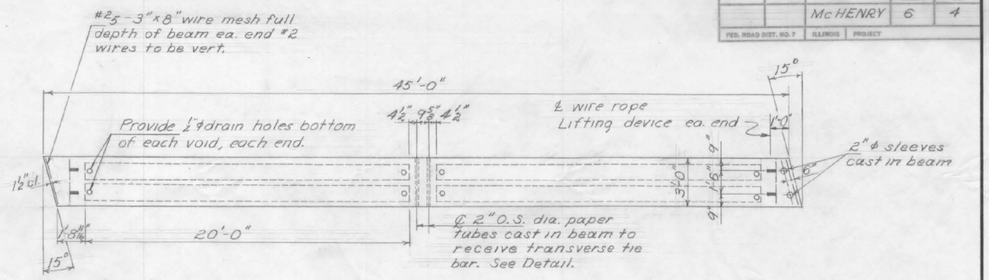
USER NAME = ctacey		DESIGNED - JMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS I STRUCTURE NO. 056-3197
		CHECKED - JZ	REVISED -		
PLOT SCALE = 1:0.166667		DRAWN - CPT	REVISED -		SHEET NO. 8 OF 10 SHEETS
PLOT DATE = 10/31/2024		CHECKED - JZ	REVISED -		

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	47
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

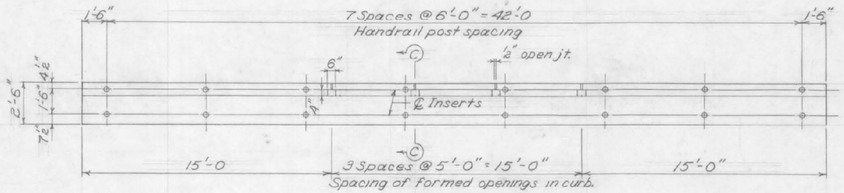
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
		McHENRY	6	4
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



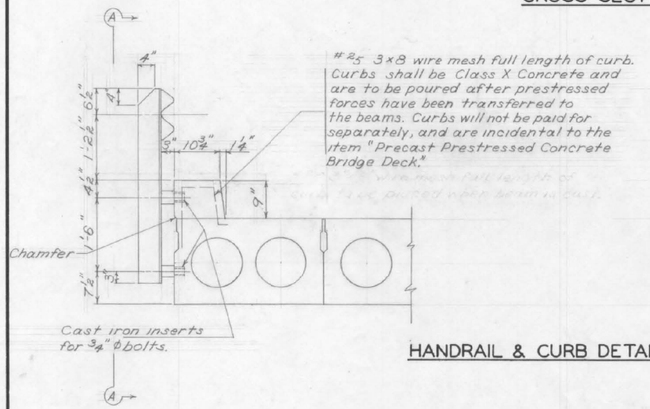
CROSS SECTION



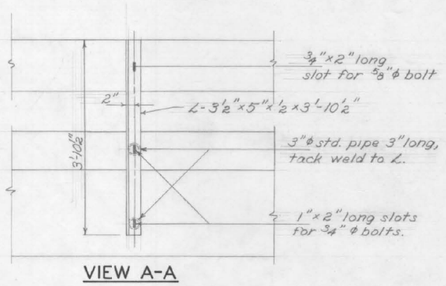
TYPICAL PLAN OF BEAM



ELEVATION OF OUTSIDE BEAMS

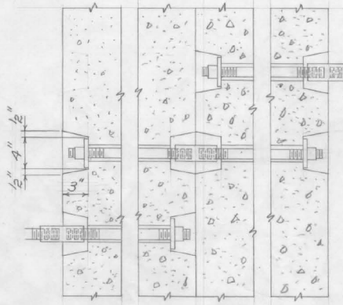


HANDRAIL & CURB DETAILS

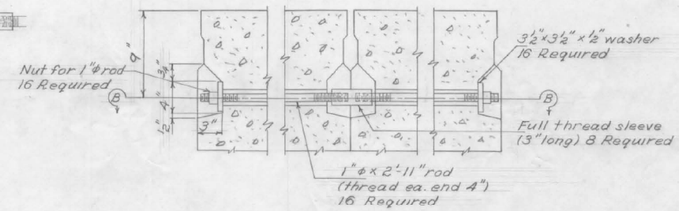


VIEW A-A

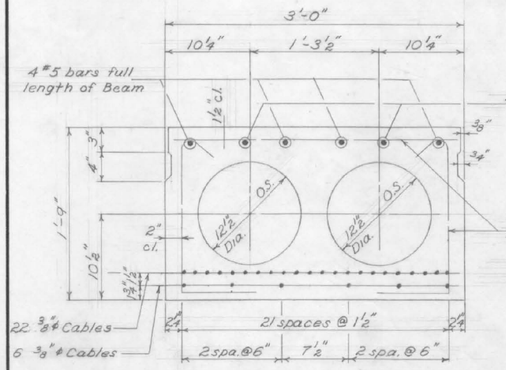
PLAN OF BEARING PADS



SECTION B-B

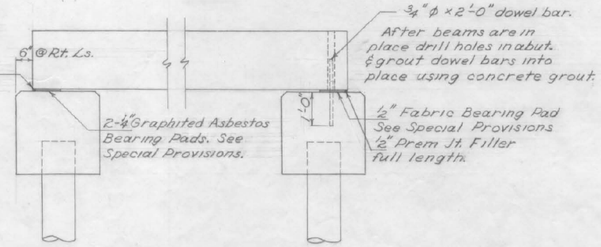


TYPICAL TRANSVERSE TIE ASSEMBLY

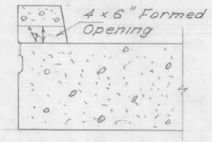


TYPICAL SECTION THRU BEAMS

DESIGN STRESSES
fc = 2,000 psi
fs = 175,000 psi (cables)
Looding - HS15-S12-44



SECTION AT ABUTS.



SECTION C-C

BILL OF MATERIAL - SUPERSTRUCTURE

Item	Quantity
Precast Prestressed Concrete Bridge Deck Sq. Ft.	1215
Metal Plate Bridge Rail Lin. Ft.	84
Bituminous Surface Treatment, A-3 Sq. Yds.	125

SUPERSTRUCTURE
PAUL BRIDGE
CHEMUNG ROAD DISTRICT
McHENRY COUNTY
STATION 26+90

COLLINS AND RICE
CONSULTING ENGINEERS

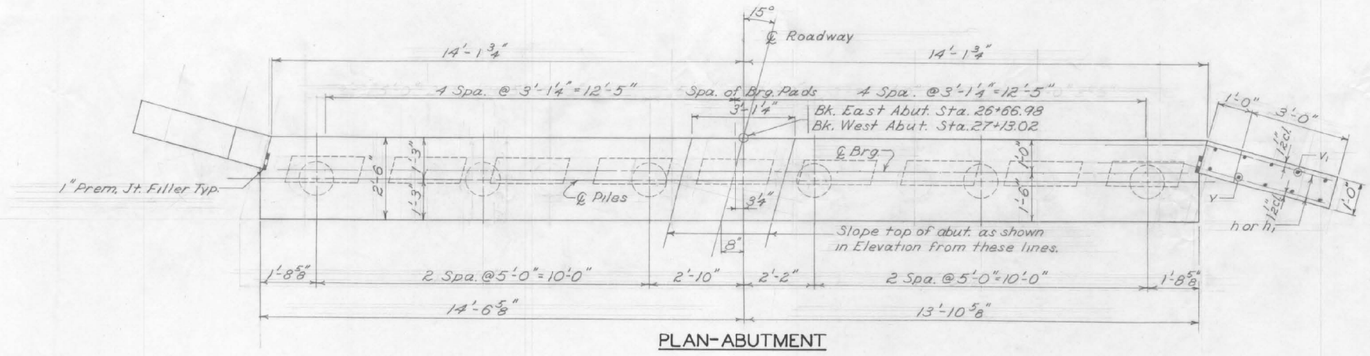
DESIGNED MJR CHECKED REG, MJR
DRAWN TAL DATE 3-1-62 NO. 141

FILE NAME = Z:\2022\220179 Hunter Rd Bridge Replacement Phil\04-CADD\Structural\Dgn\X0563034-004-ExStr2.dgn

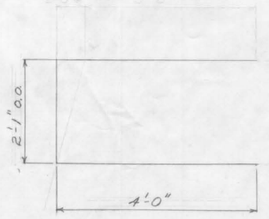
WBK ENGINEERING, LLC 116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755	USER NAME = ctacey	DESIGNED - JMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS II STRUCTURE NO. 056-3197 SHEET NO. 9 OF 10 SHEETS
		CHECKED - JZ	REVISED -		
	PLOT SCALE = 1:0.166667	DRAWN - CPT	REVISED -		
	PLOT DATE = 10/31/2024	CHECKED - JZ	REVISED -		

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	48
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

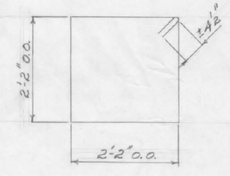
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
		McHENRY	6	5
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



PLAN-ABUTMENT



BAR u



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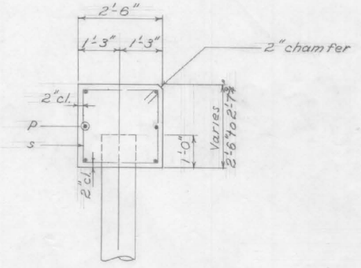
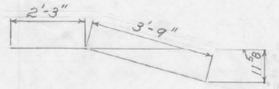


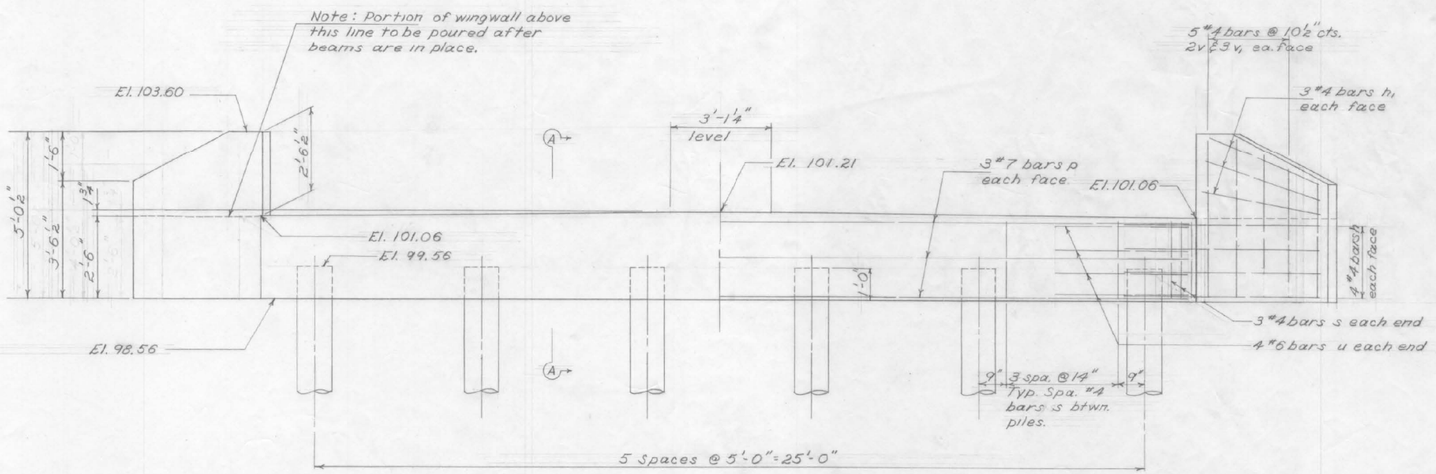
SECTION A-A



BAR h

PILE DATA

Type	Creosoted Timber
No. Req'd	12
Min. Cap.	20 Tons
Est. Length	22 Ft.



ELEVATION ABUTMENTS

BILL OF MATERIAL - 2 ABUTS.

Bar	No.	Size	Length	Shape
h	32	#4	6'-0"	
h_1	24	#4	3'-9"	
p	12	#7	27'-9	
u	16	#6	10'-1"	
v	16	#4	4'-8"	
V_1	24	#4	3'-6"	
s	52	#4	9'-5"	
Class X Concrete Cu. Yds.			15.9	
Reinforcement Bars Lbs.			1,540	
Creosoted Piles Lin. Ft.			264	
Test Piles (Timber) Each			1	

ABUTMENTS
PAUL BRIDGE
CHEMUNG ROAD DISTRICT
McHENRY COUNTY
STATION 26+90

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED MJR CHECKED REG, MJR
DRAWN TAL DATE 3-1-62 NO. 141

FILE NAME = Z:\2022\220179 HunterRdBridgeReplacementPhII\RR-CADD\Structural\Dgn\056-3034-018-ExStr-3.dgn

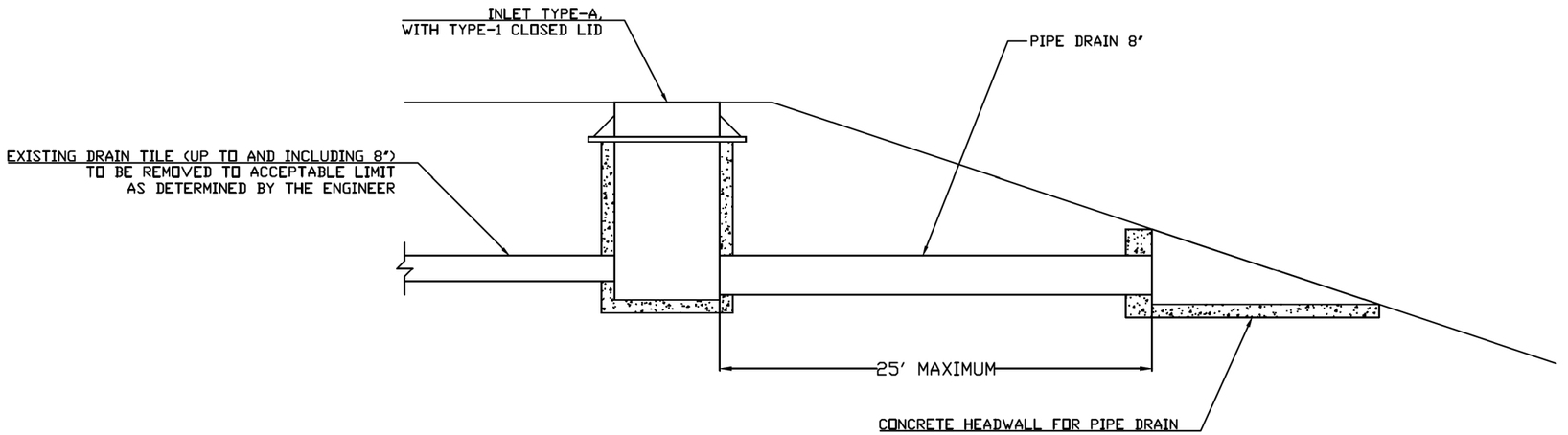
WBK ENGINEERING
WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = ctacey		DESIGNED - JMM		REVISED -	
		CHECKED - JZ		REVISED -	
PLOT SCALE = 1:0.166667		DRAWN - CPT		REVISED -	
PLOT DATE = 10/31/2024		CHECKED - JZ		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS III
STRUCTURE NO. 056-3197
SHEET NO. 10 OF 10 SHEETS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	49
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



NOTES:
-CONTRACTOR TO EXERCISE CAUTION WHEN EXCAVATING AROUND THE EXISTING TILE TO PRESERVE THE INTEGRITY OF THE TILE
-REMOVAL OF EXISTING PIPE INCLUDED IN PAY ITEM
-IF TILE LARGER THAN 8" IS ENCOUNTERED STORM SEWER ITEMS SHALL BE USED

NOTE: THIS WORK SHALL BE PAID FOR AS "OUTFALL STRUCTURE".

MC6011

Pg ____ of ____

DRAIN TILE OUTFALL, SPECIAL

REVISIONS	DATE
ORIGINAL DRAWING	4/30/24

MODEL: MC6011 [Sheet]
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacement\Phll\09-CADD\3_Sheets\220179-shl-details.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

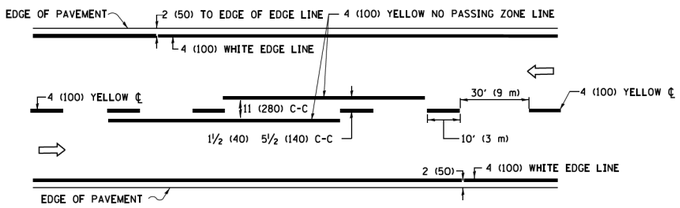
USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN - SMN	REVISED -
	CHECKED - YOO	REVISED -
PLOT DATE = 11/1/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

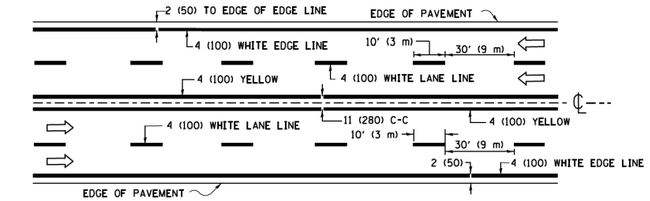
HUNTER ROAD OVER LITTLE BEAVER CREEK
MCDOT DETAILS

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

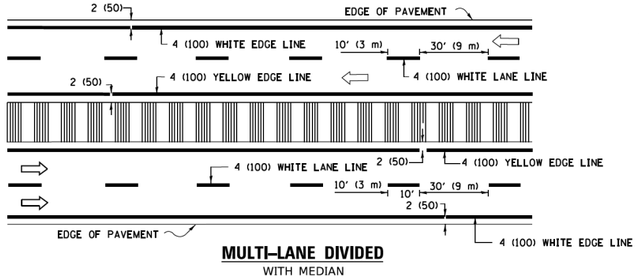
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	50
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			



2–LANE ROADWAY

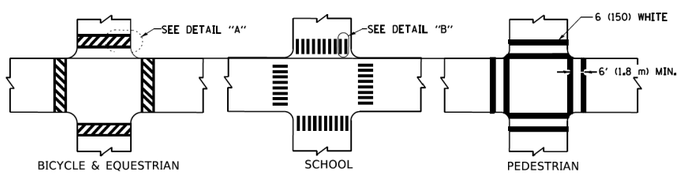


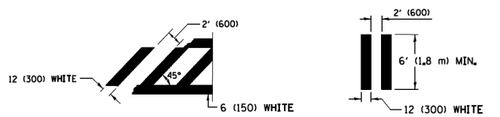
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

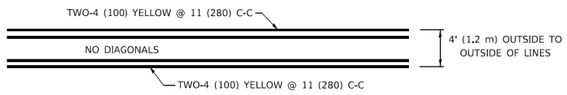




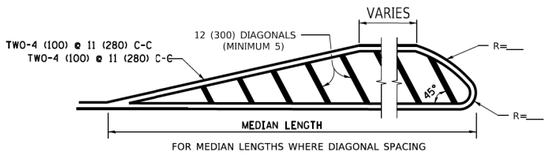
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



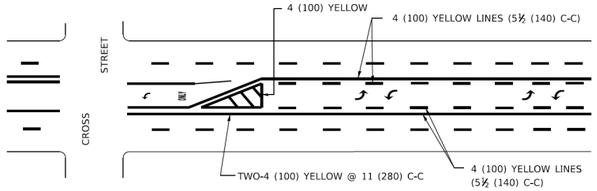
4' (1.2 m) WIDE MEDIANS ONLY



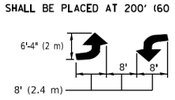
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

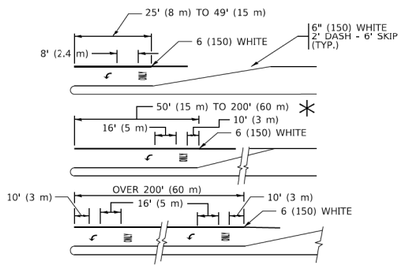


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

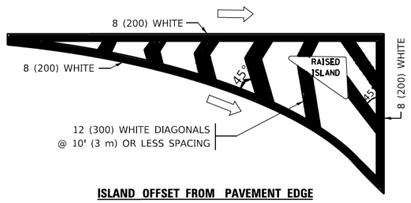


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²

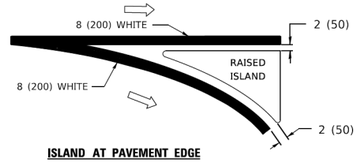
✱ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

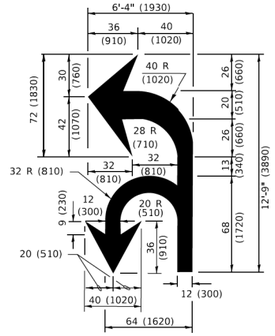


ISLAND OFFSET FROM PAVEMENT EDGE

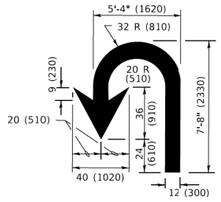


ISLAND AT PAVEMENT EDGE

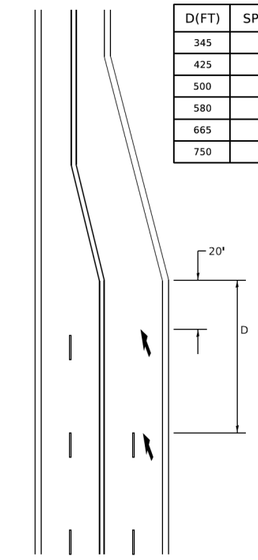
TYPICAL ISLAND MARKING



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: "R"=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.

MODEL: Default
FILE NAME: pw:\\IL084EBIDNTEC.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\36t5td223.34\CADData\CADSheets\tc13.dgn

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**DISTRICT ONE** **TYPICAL PAVEMENT MARKINGS**	F.A.S. RTE. 0039 · SECTION 18-00481-00-BR · COUNTY MCHENRY · TOTAL SHEETS 65 · SHEET NO. 51
	DRAWN -	REVISED - C. JUCIUS 07-01-13			**TC–13** · CONTRACT NO. 61K92
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15		SCALE: NONE · SHEET 1 OF 2 SHEETS · STA. · TO STA.	ILLINOIS · FED. AID PROJECT
PLOT DATE = 3/4/2019	DATE - 10/31/2024	REVISED - C. JUCIUS 04-12-16			

tc13.dgn 3/4/2019 10:34:37 AM User=footemj

ROUTE MARKERS

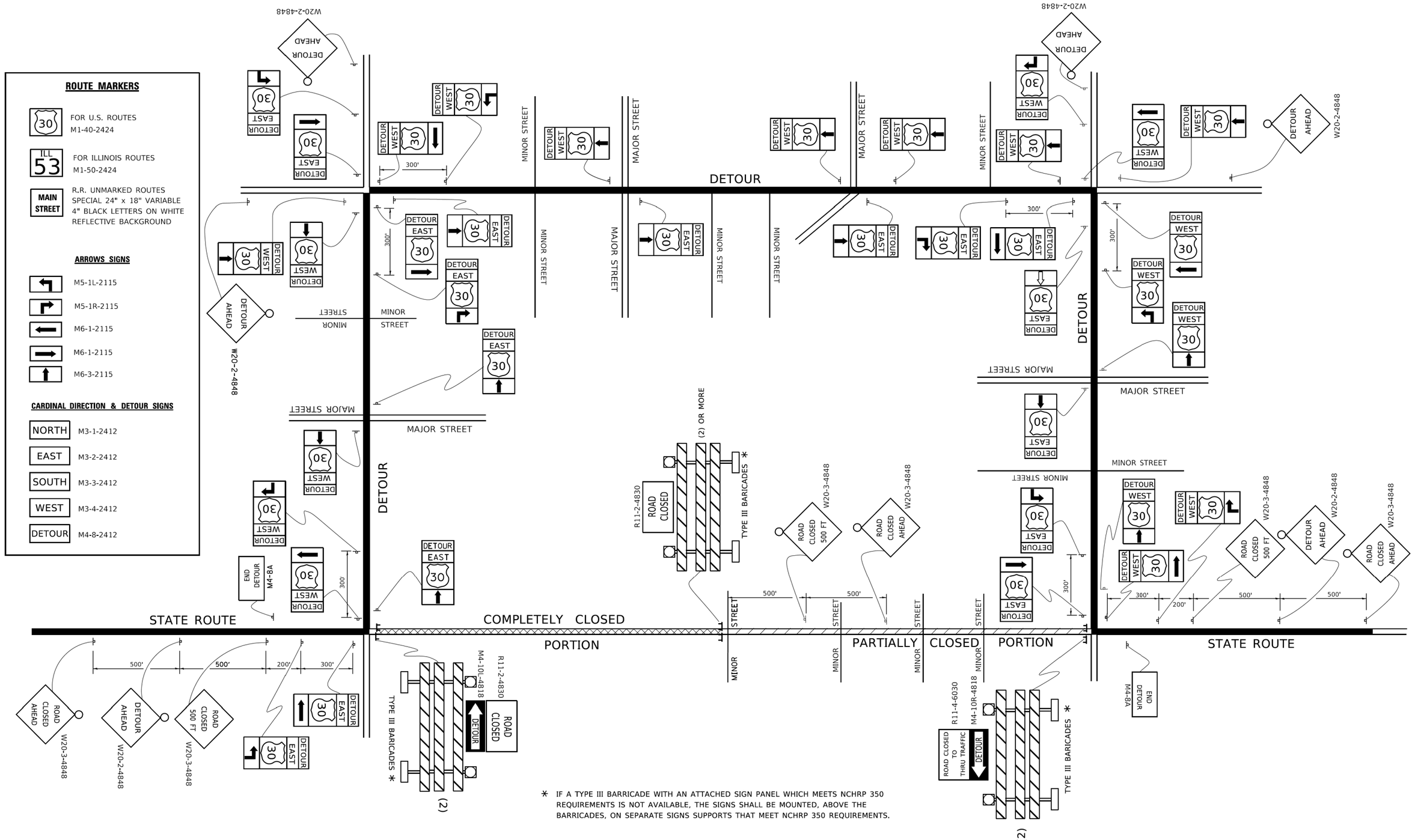
- 30 — FOR U.S. ROUTES M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

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

CARDINAL DIRECTION & DETOUR SIGNS

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



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

MODEL: Default
FILE NAME: pw:\\IL084:BIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5\d22x34\CADData\CADSheets\tc21.dgn

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02	
	DRAWN -	REVISED - R. BORO 09-14-09	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE - 10/31/2024	REVISED -	

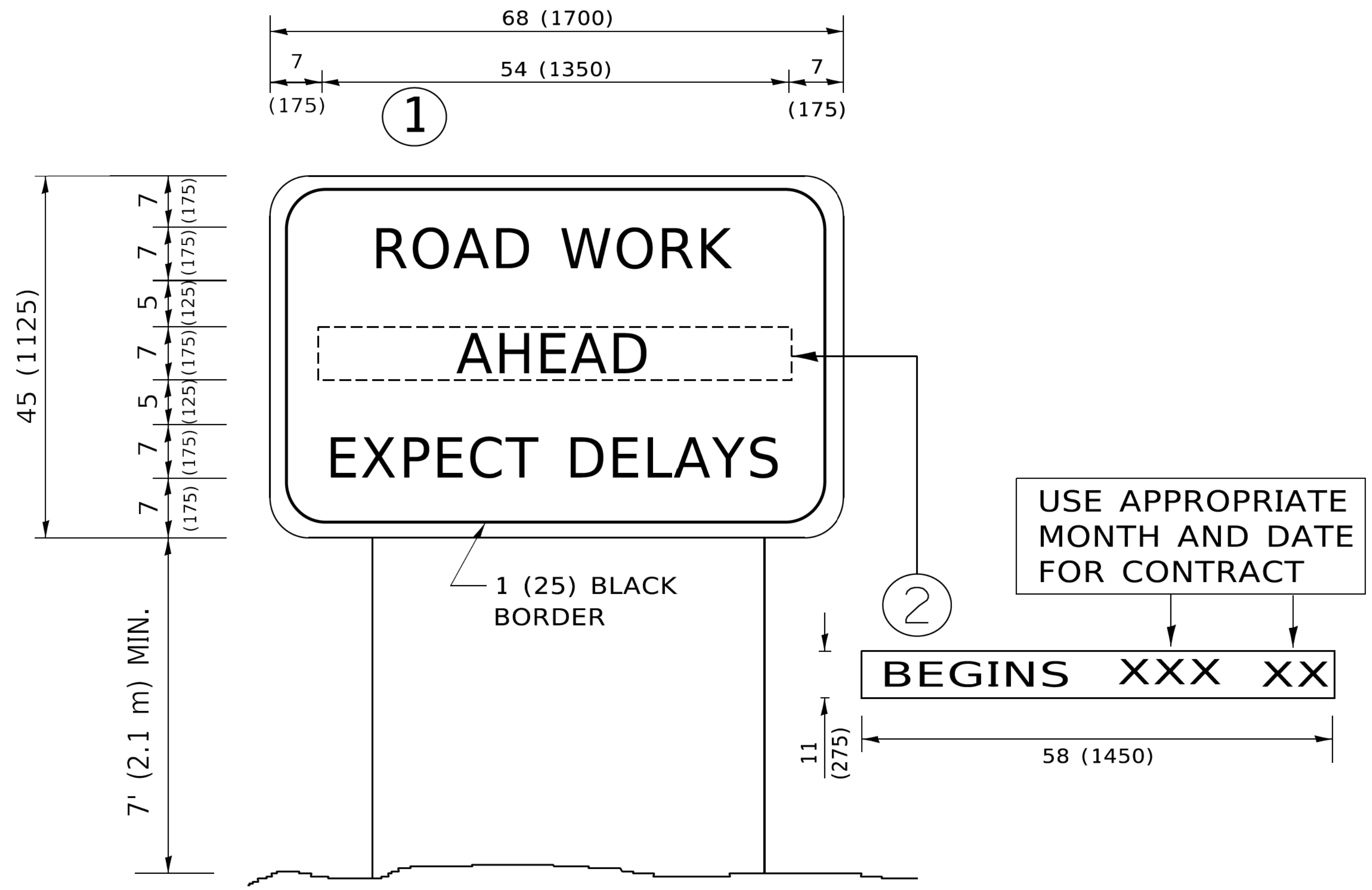
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	52
	TC-21	CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

tc21.dgn 3/4/2019 10:46:33 AM User=footemj



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

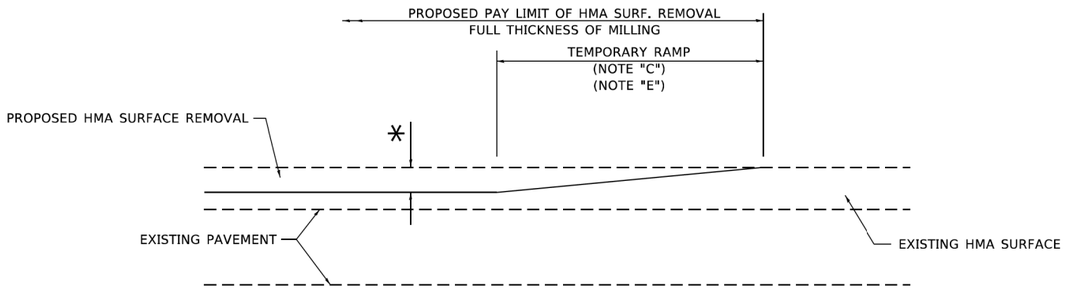
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE - 10/31/2024	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

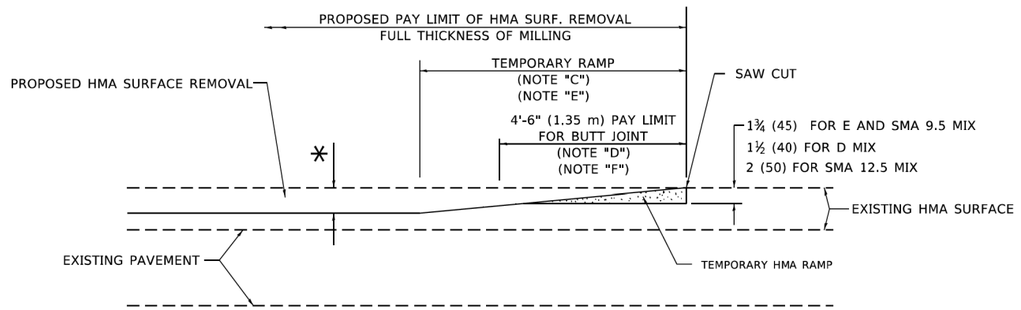
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	53
	TC-22	CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

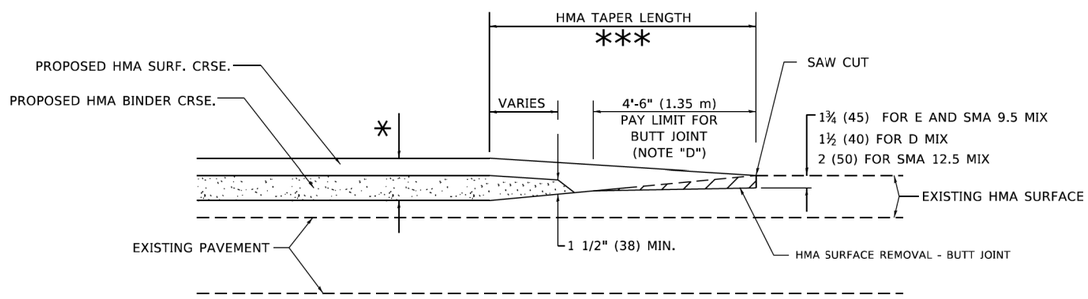


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

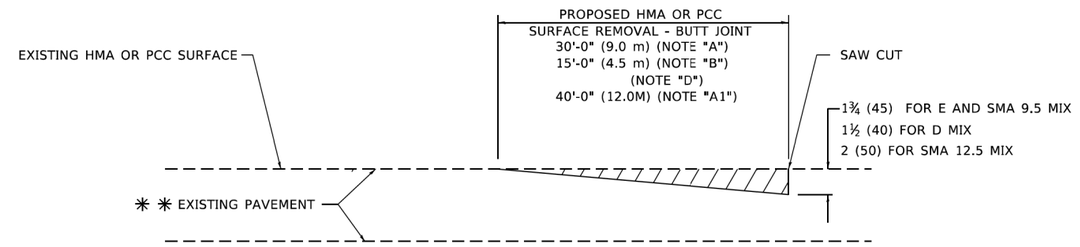
OPTION 2

TYPICAL TEMPORARY RAMP

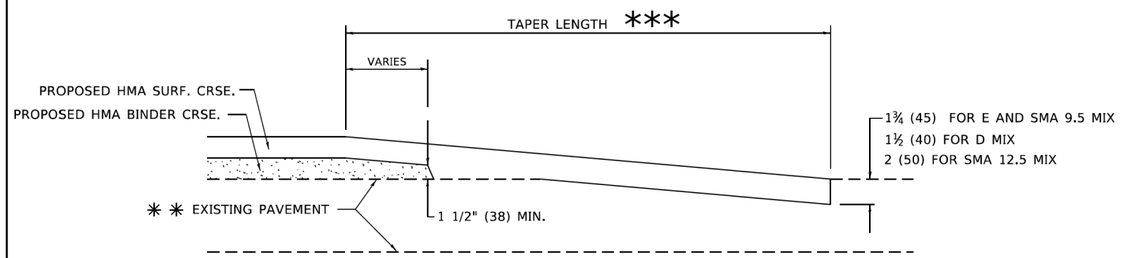


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000 ' / In.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 10/31/2024	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	54
	BD400–05 BD–32	CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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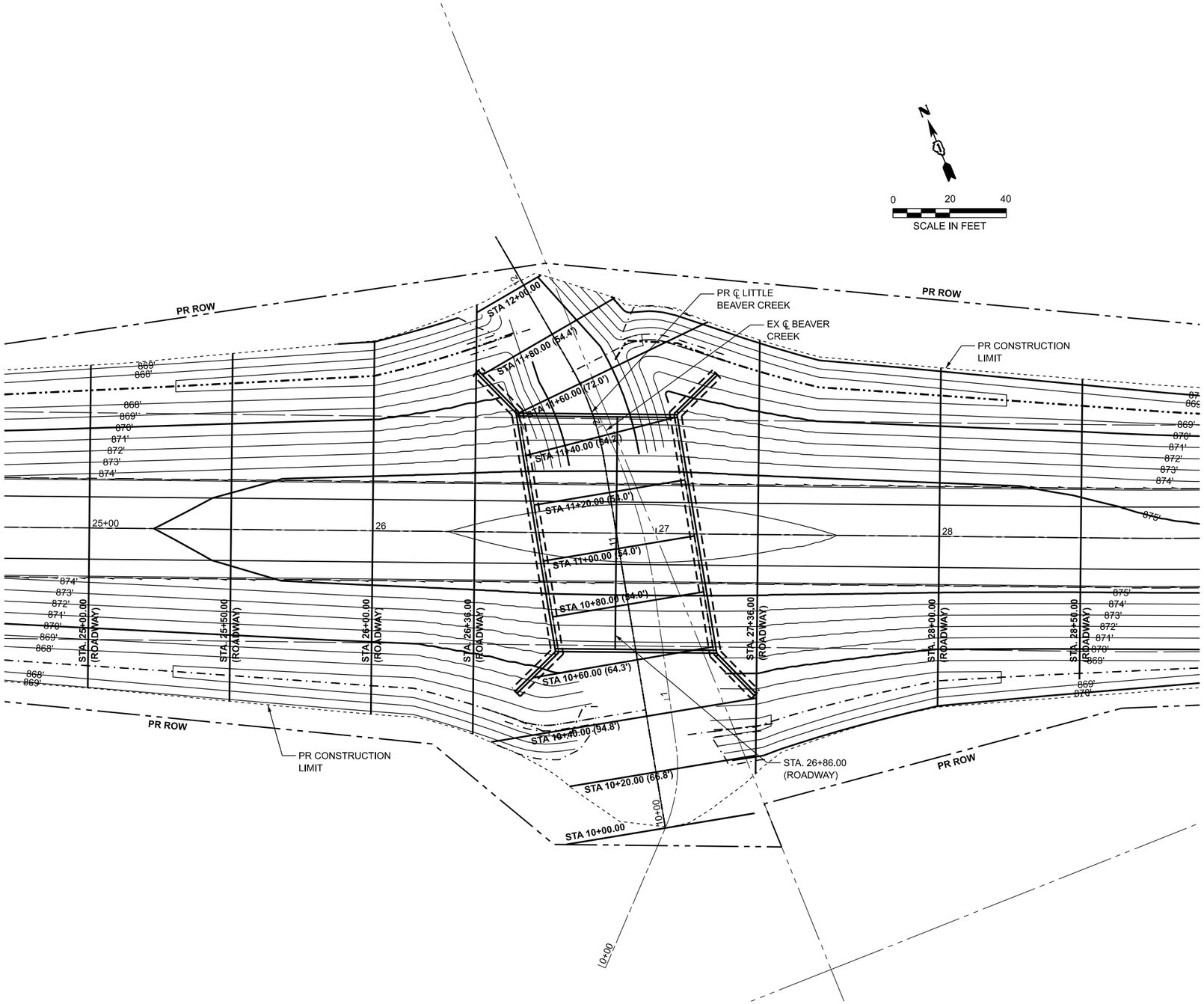

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USER NAME = lvo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 9/13/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
CROSS SECTION LOCATIONS AT LITTLE BEAVER CREEK

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 26+36.00 TO STA. 27+36.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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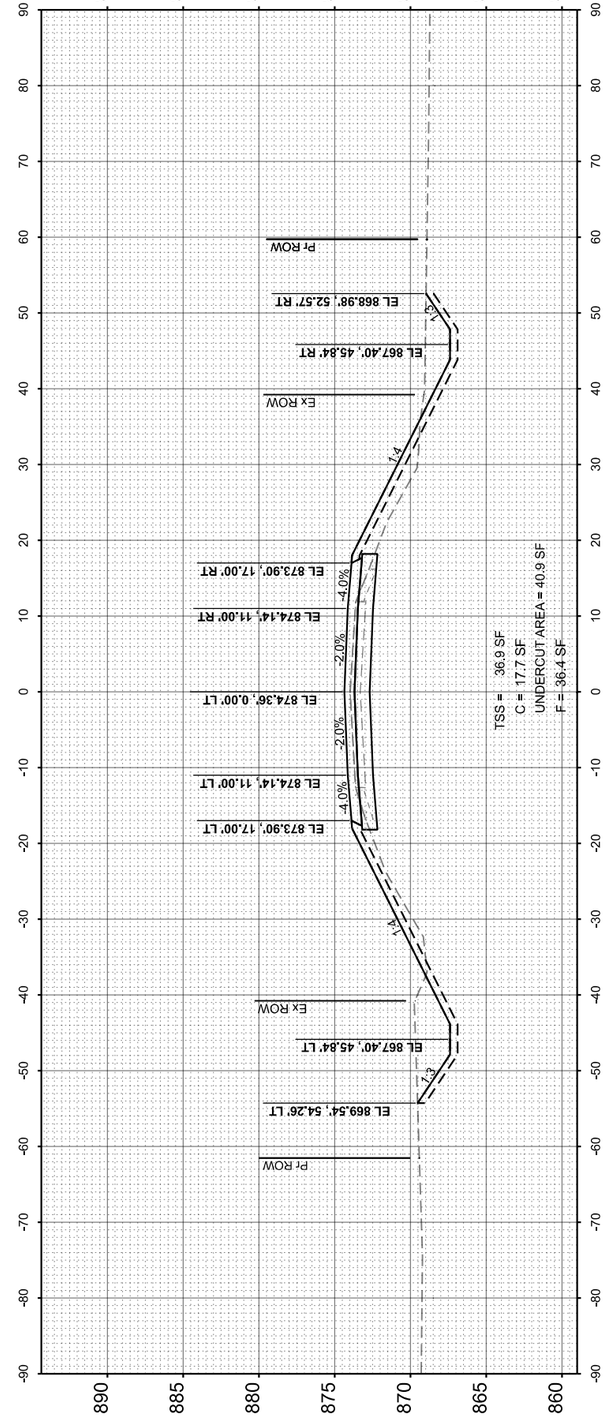
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



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

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

MODEL: PrHunterRd - 23+50,00 [Sheet]
FILE NAME: Z:\2022\220179 HunterRdBridgeReplacementPhII\09-CADD\3_Sheets\220179-shh-xssht.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

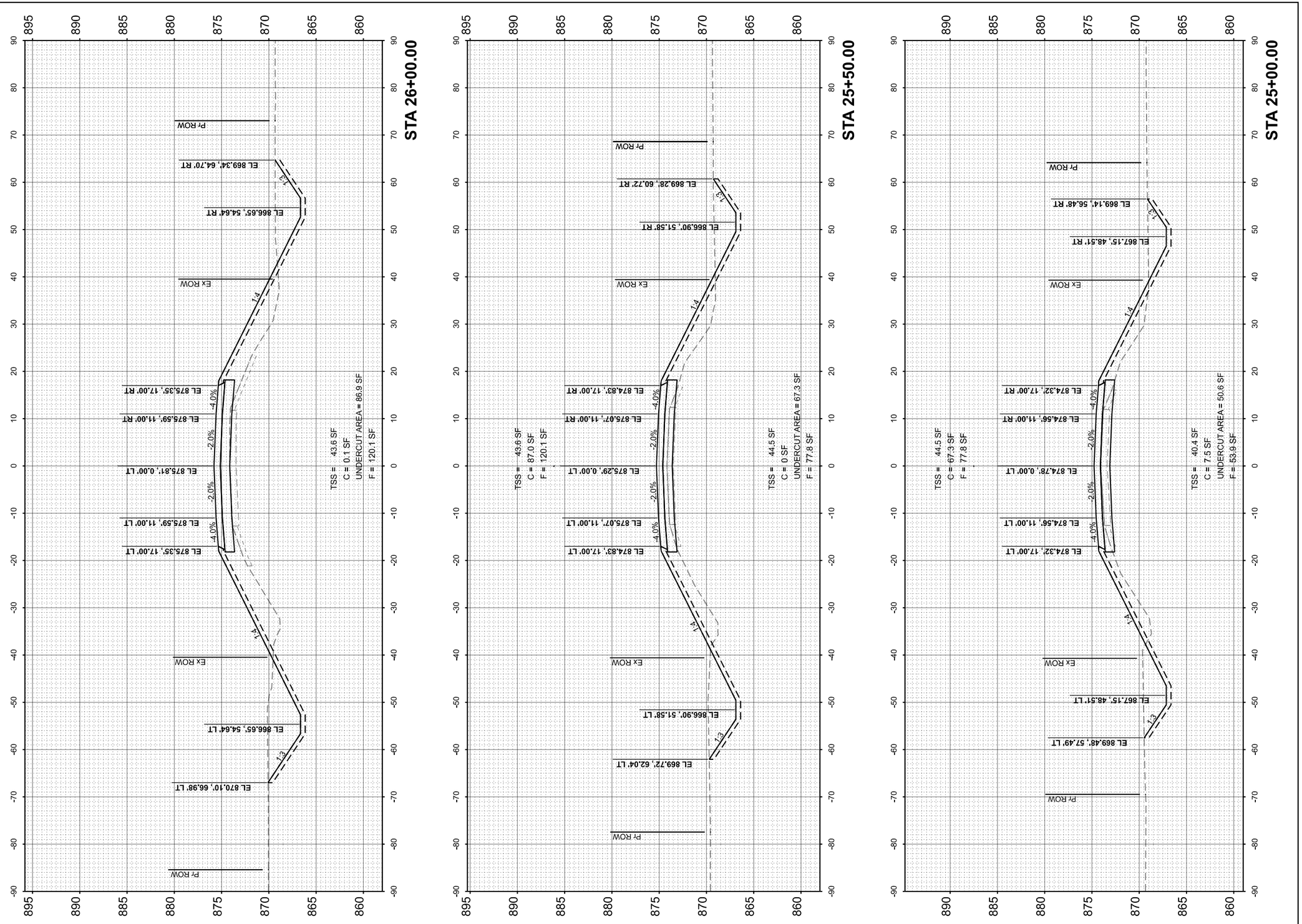
USER NAME = awuellner	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 9/12/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
HUNTER ROAD CROSS SECTIONS

SCALE: 1:10H 1:5V | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	56
		CONTRACT NO. 61K92		
	ILLINOIS FED. AID PROJECT			



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ORIGINAL SURVEY	SURVEYED	BY	DATE
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	AREAS		
	AREAS CHECKED		

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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = lvo	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 9/12/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
HUNTER ROAD CROSS SECTIONS

SCALE: 1:10H 1:5V | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	57
		CONTRACT NO. 61K92		
		ILLINOIS	FED. AID PROJECT	

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

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

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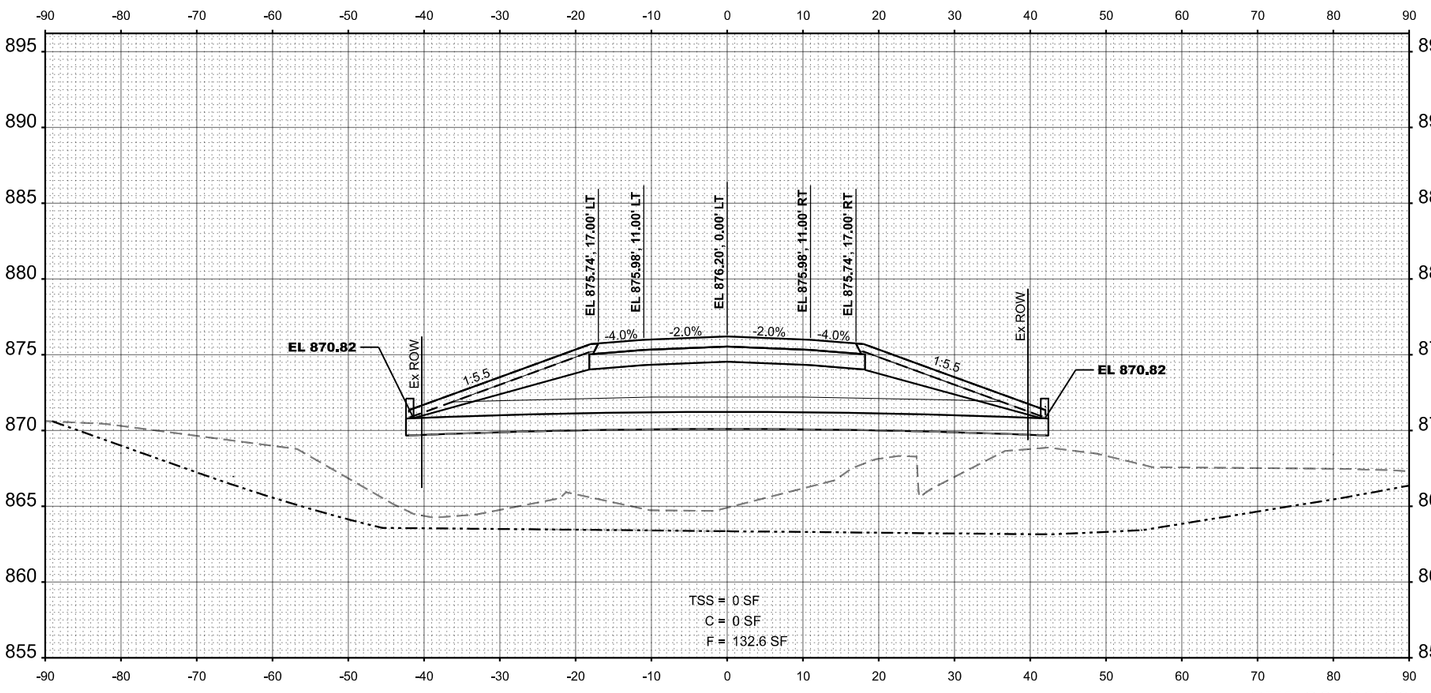
WBK ENGINEERING
114 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = fvo
PLOT DATE = 9/12/2024

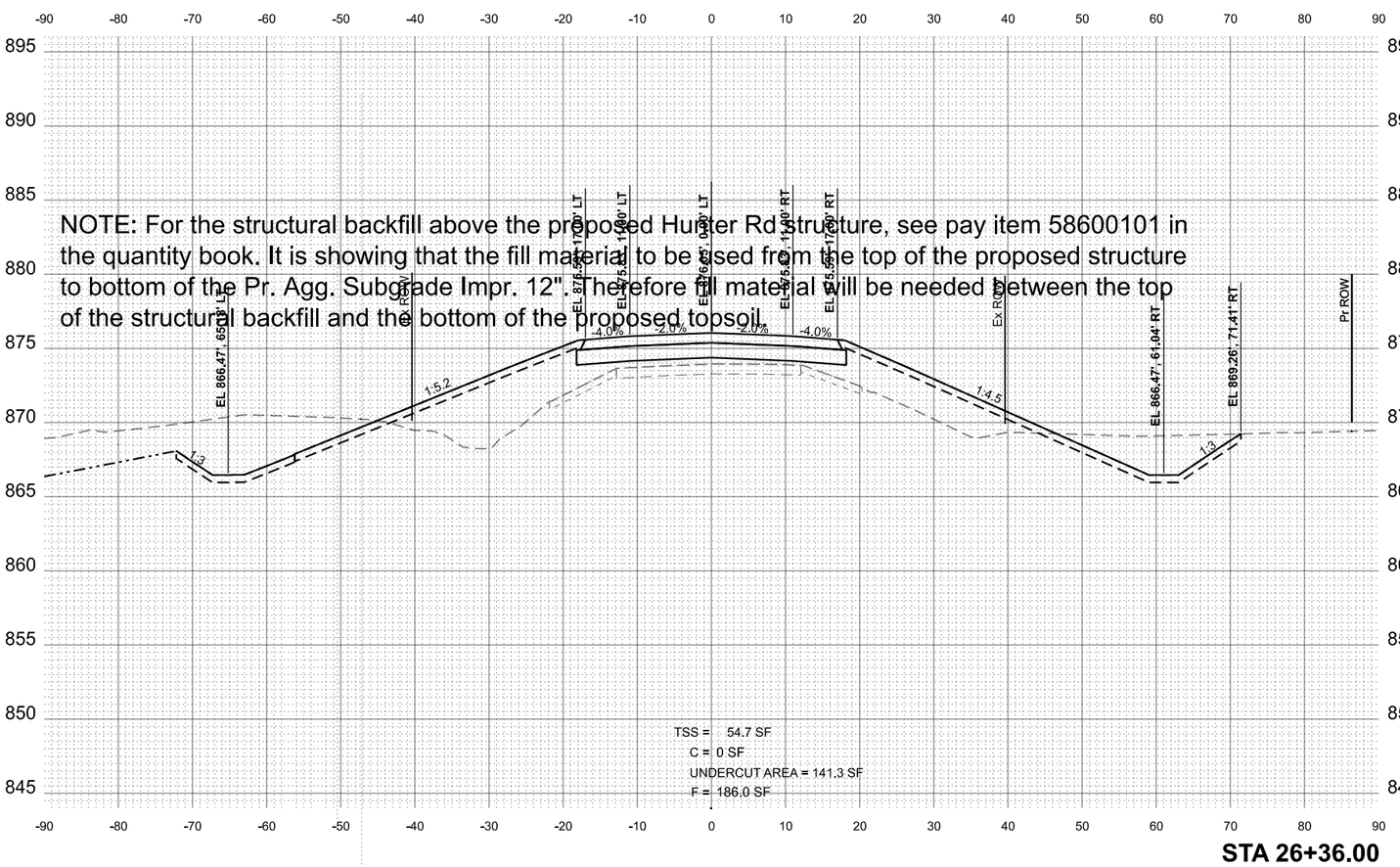
	DESIGNED	-	LV
	DRAWN	-	LV
	CHECKED	-	KAC
DATE	-		10/31/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STA 26+86.00



NOTE: For the structural backfill above the proposed Hunter Rd structure, see pay item 58600101 in the quantity book. It is showing that the fill material to be used from the top of the proposed structure to bottom of the Pr. Agg. Subgrade Impr. 12". Therefore fill material will be needed between the top of the structural backfill and the bottom of the proposed topsoil.

STA 26+36.00

HUNTER ROAD OVER LITTLE BEAVER CREEK
HUNTER ROAD CROSS SECTIONS

SCALE: 1:10H 1:5V
SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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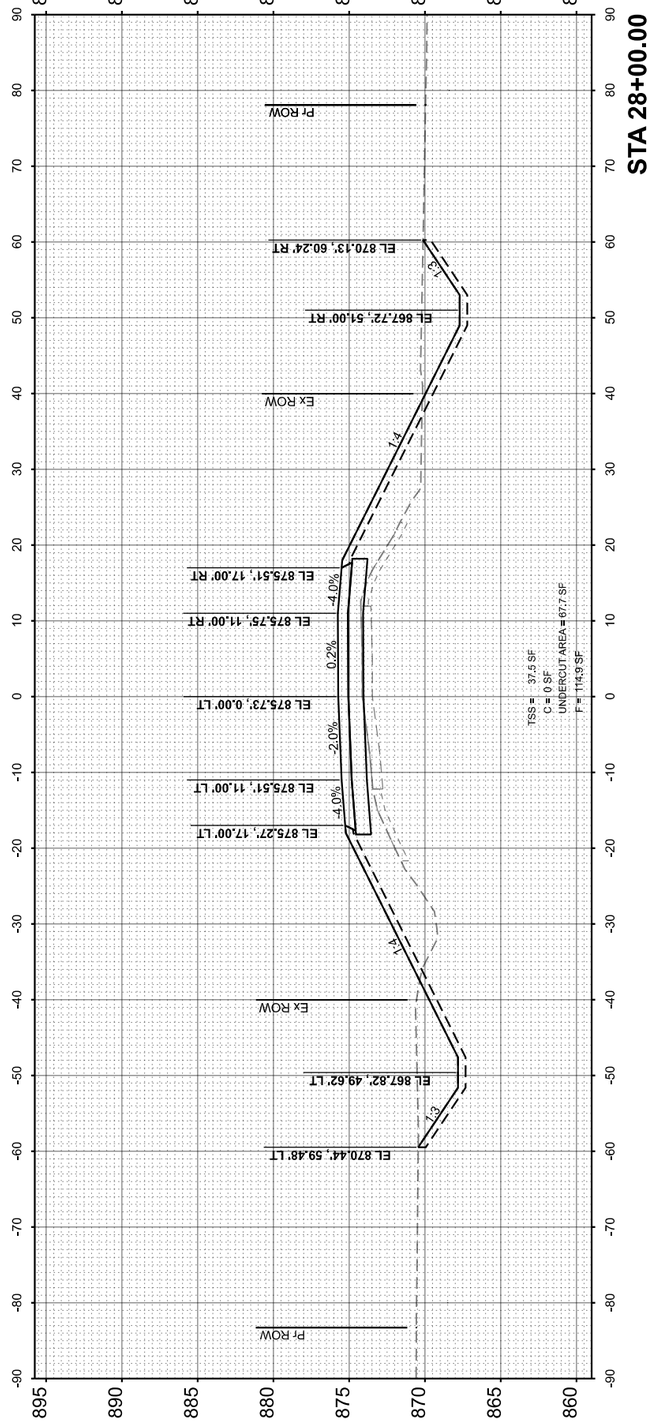
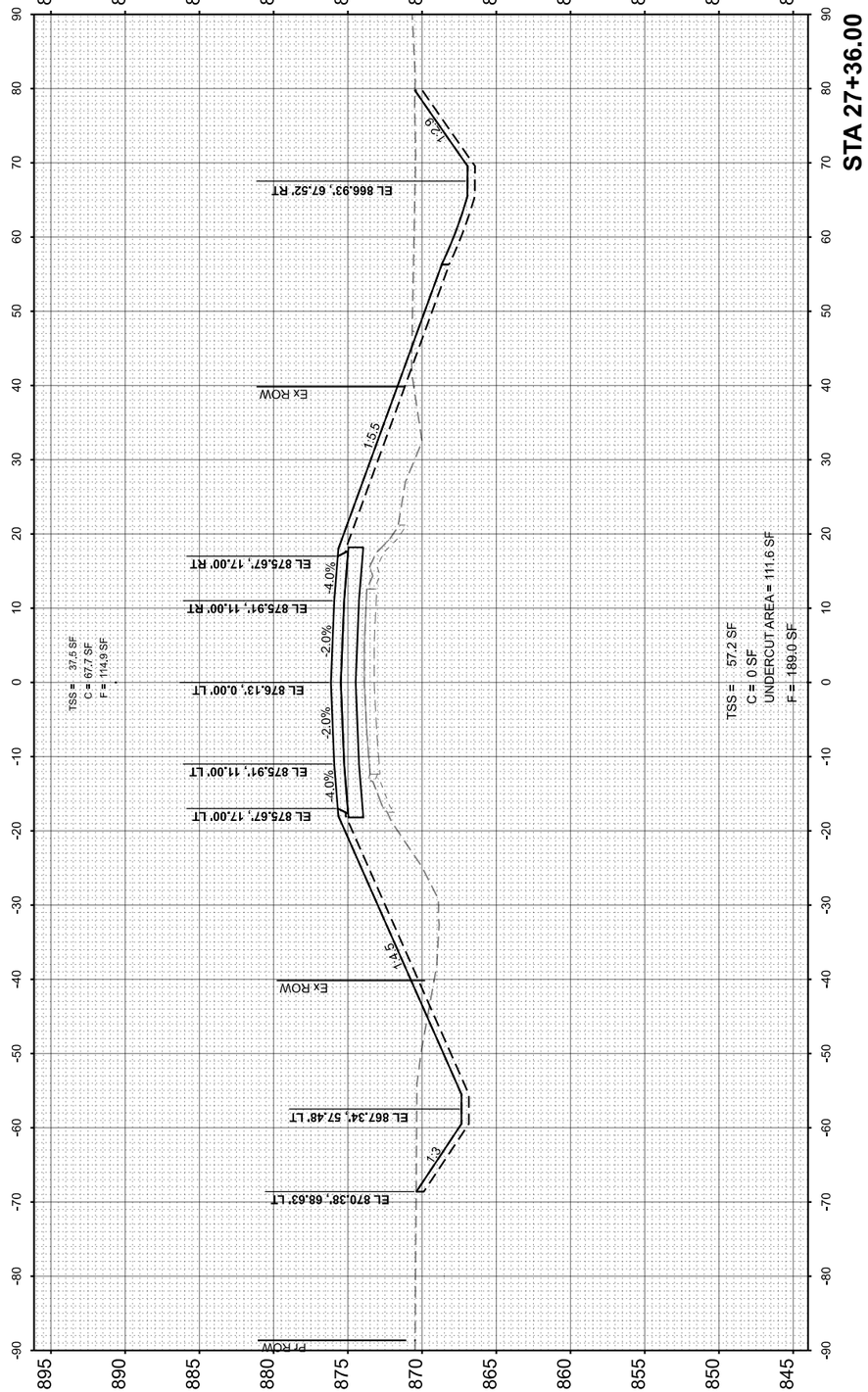
ILLINOIS FED. AID PROJECT		CONTRACT NO. 61X92		





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	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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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

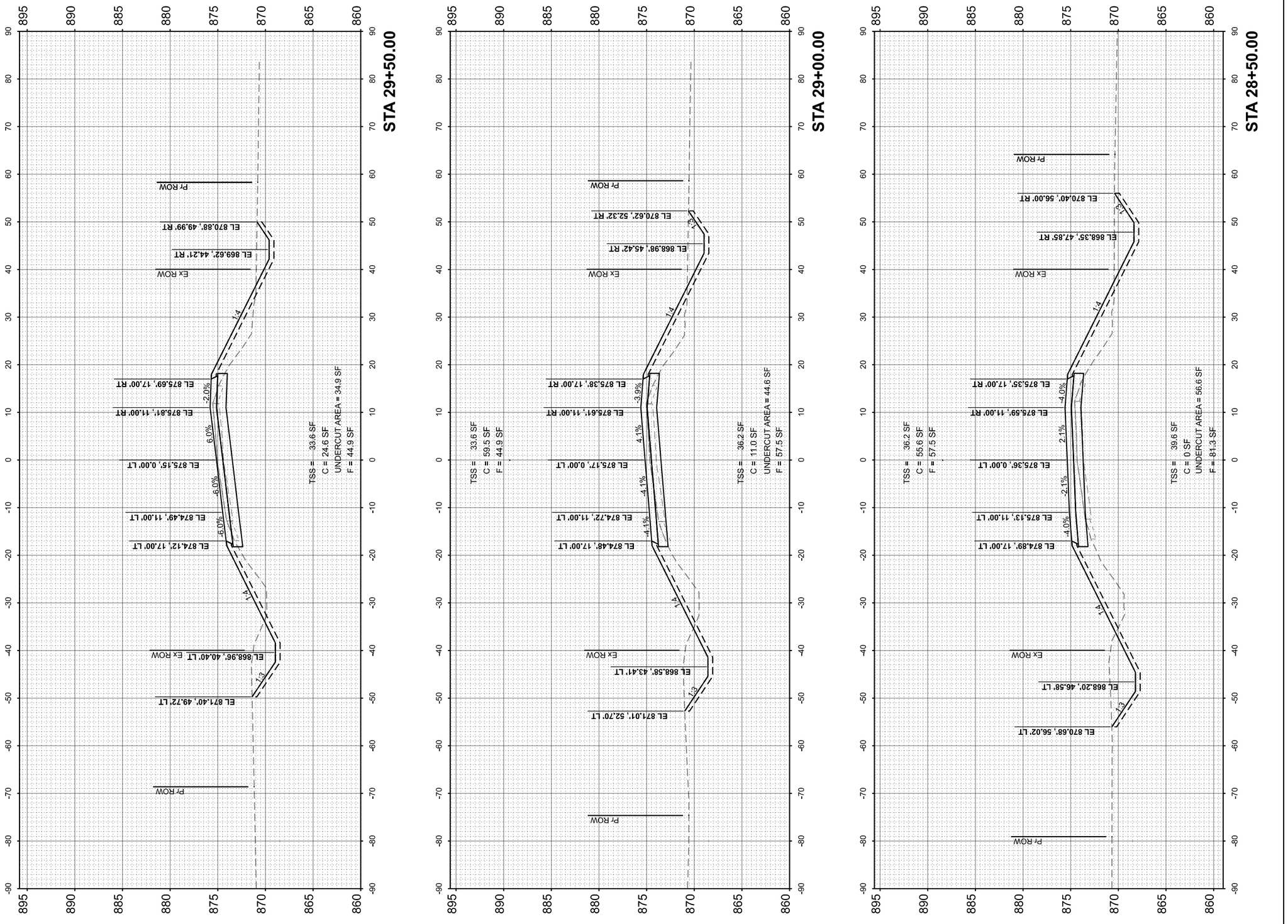
USER NAME = Ivo	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 9/12/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
HUNTER ROAD CROSS SECTIONS

SCALE: 1:10H 1:5V | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	59
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		



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

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

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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

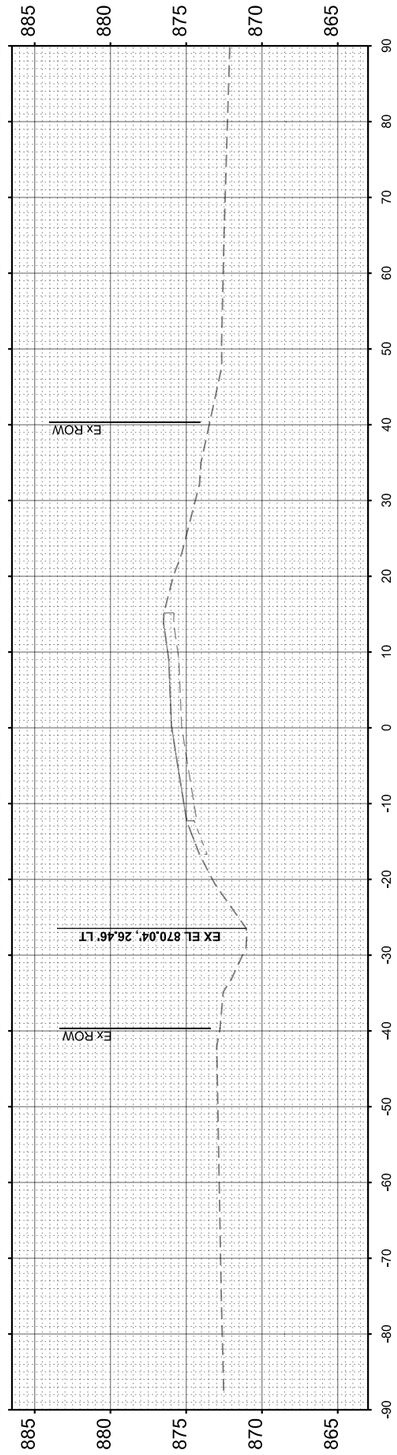
USER NAME = lvo	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 9/13/2024	DATE - 10/31/2024	REVISED -	

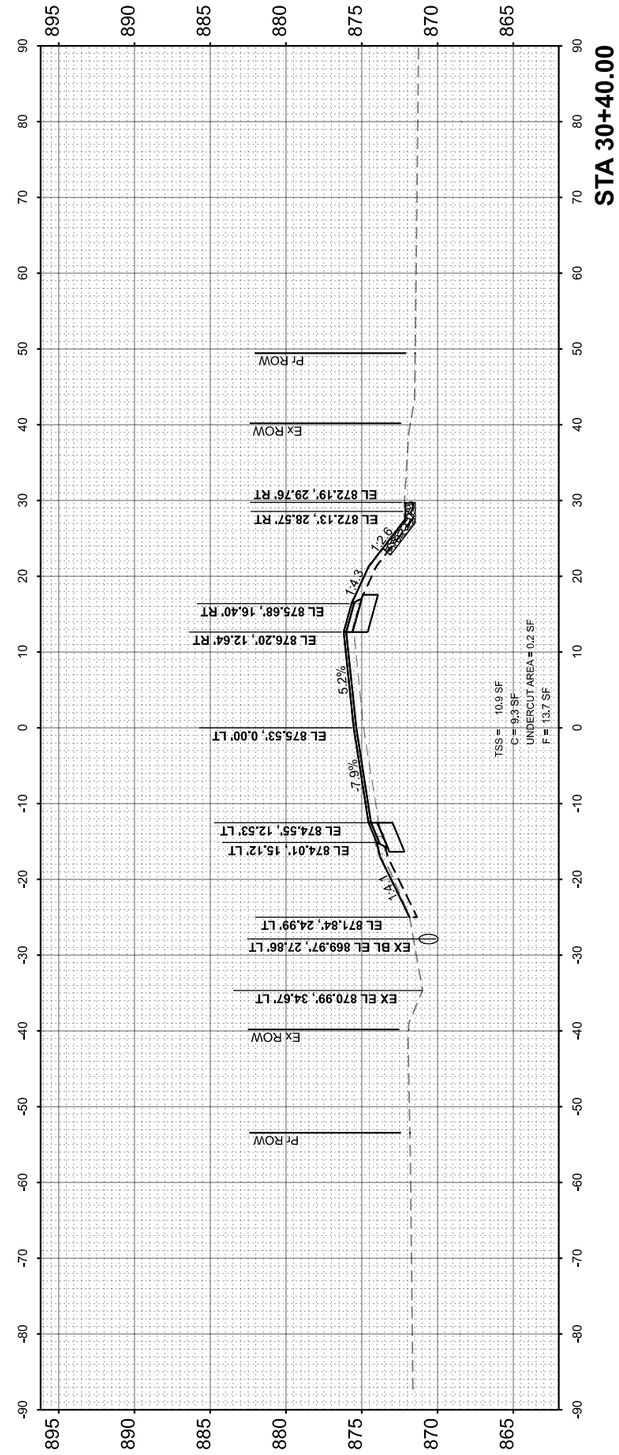
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

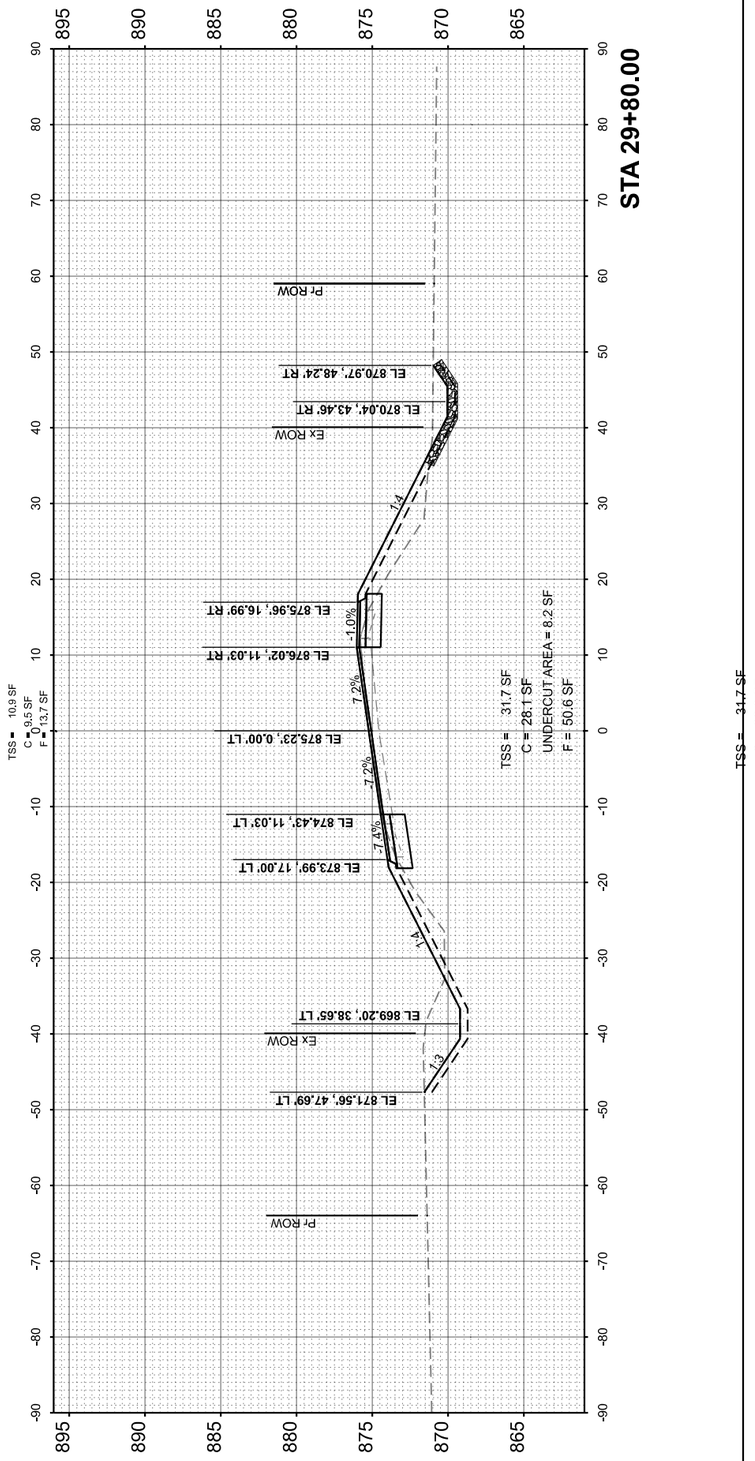
HUNTER ROAD OVER LITTLE BEAVER CREEK
CROSS SECTIONS

SCALE: 1:10H 1:5V | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	60
		CONTRACT NO. 61K92		
	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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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = lvo	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 9/13/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
HUNTER ROAD CROSS SECTIONS

SCALE: 1:10H 1:5V | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	61
		CONTRACT NO. 61K92		
		ILLINOIS FED. AID PROJECT		

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

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

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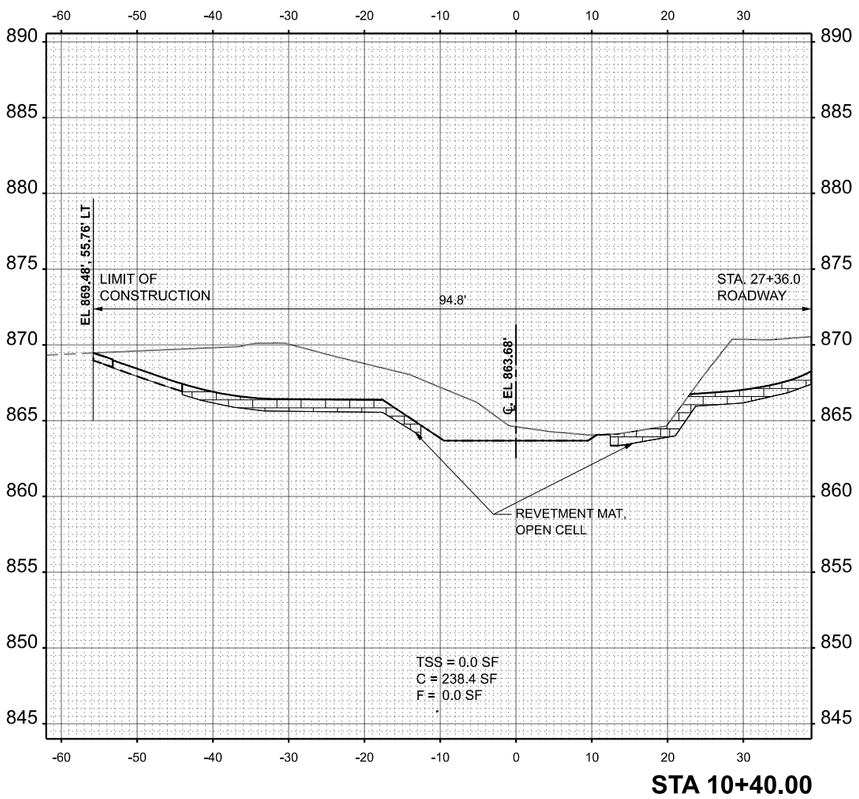
WBK ENGINEERING
114 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

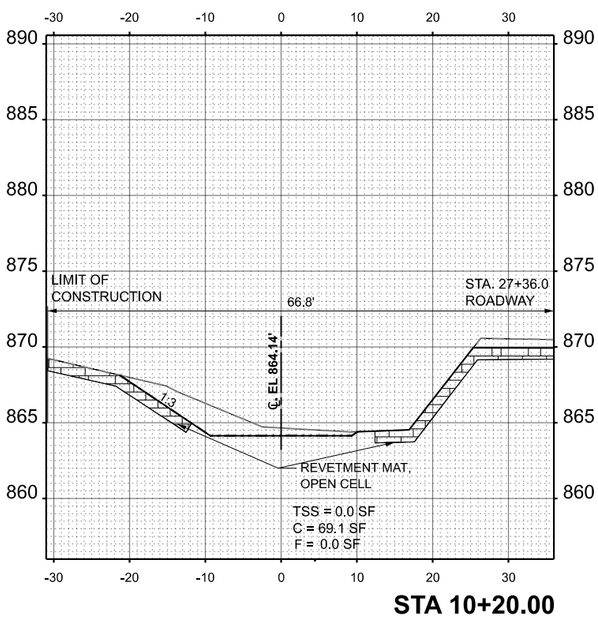
USER NAME = koorlogassl
PLOT DATE = 11/1/2024

	DESIGNED	-	LV
	DRAWN	-	LV
	CHECKED	-	KAC
DATE	-		10/31/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-



STA 10+40.00



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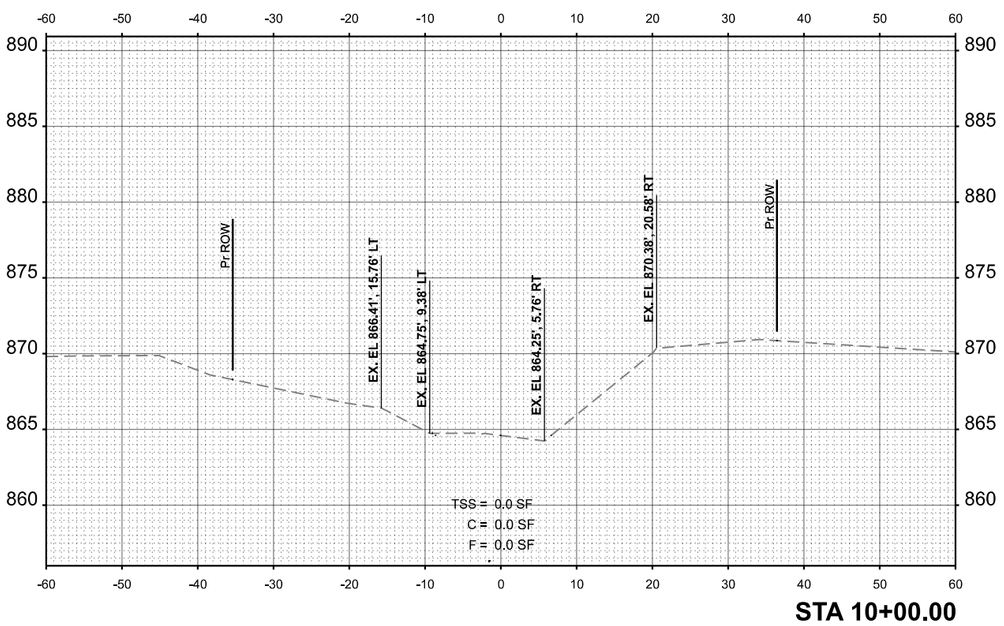

STA 10+00.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
LITTLE BEAVER CREEK CROSS SECTIONS

SCALE: 1"=10'
SHEET 1 OF 4 SHEETS
STA. 10+00.00 TO STA. 10+40.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	62
ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61K32		

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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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - LV	REVISED -
	DRAWN - LV	REVISED -
	CHECKED - KAC	REVISED -
PLOT DATE = 11/1/2024	DATE - 10/31/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
LITTLE BEAVER CREEK CROSS SECTIONS

SCALE: 1"=10' | SHEET 2 OF 4 SHEETS | STA. 10+60.00 | TO STA. 10+80.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	63
		CONTRACT NO. 61K92		
		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		

MODEL: PR Channel - 11+00.00 [Sheet]
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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 11/1/2024	DATE - 10/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HUNTER ROAD OVER LITTLE BEAVER CREEK
LITTLE BEAVER CREEK CROSS SECTIONS

SCALE: 1"=10' | SHEET 3 OF 4 SHEETS | STA. 11+00.00 | TO STA. 11+20.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0039	18-00481-00-BR	MCHENRY	65	64
		CONTRACT NO. 61K92		
	ILLINOIS	FED. AID PROJECT		

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

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

MODEL: PR Channel - 11+40.00 [Sheet]
FILE NAME: C:\Bentley\CONNECT1011\Organization-Civil\IDOT_Standards\Cell\IDOT_Sheets.cel

WBK ENGINEERING
114 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = koorlopass\l
PLOT DATE = 11/1/2024

	DESIGNED	-	LV
	DRAWN	-	LV
	CHECKED	-	KAC
DATE	-		10/31/2024

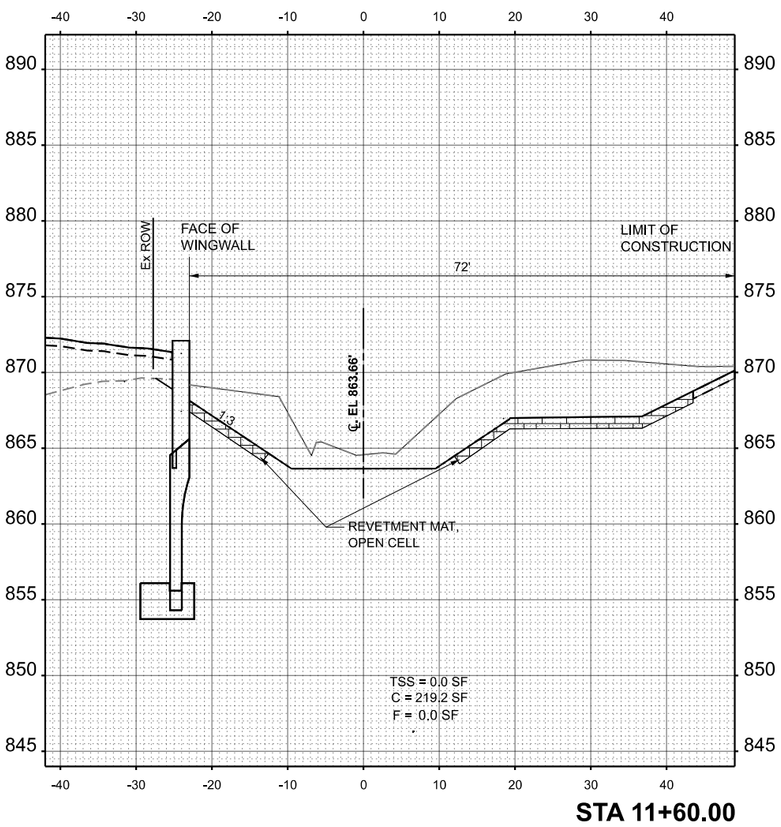
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

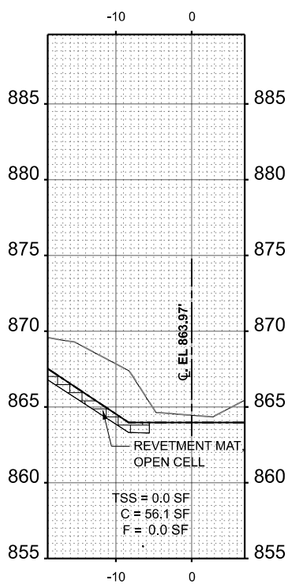
HUNTER ROAD OVER LITTLE BEAVER CREEK
LITTLE BEAVER CREEK CROSS SECTIONS

SCALE: 1"=10'
SHEET 4 OF 4 SHEETS
STA. 11+40.00
TO STA. 12+00.00

F.A.S. RTE. 0039
SECTION 18-00481-00-BR
COUNTY MCHENRY
TOTAL SHEETS 65
SHEET NO. 65
ILLINOIS FED. AID PROJECT
CONTRACT NO. 61K92



STA 11+60.00



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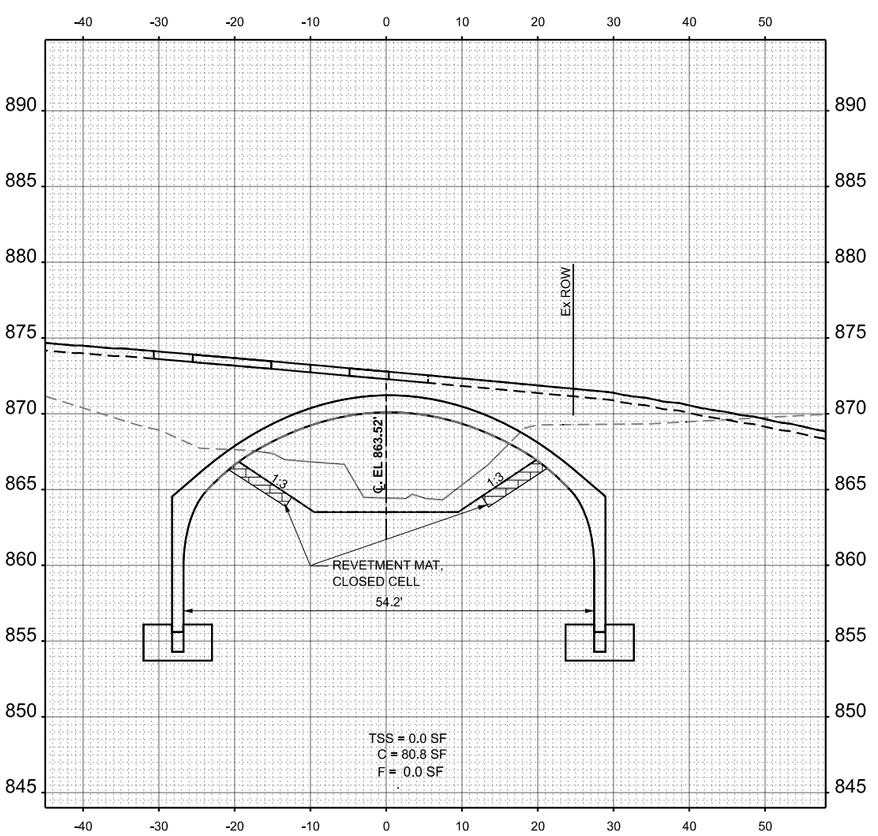
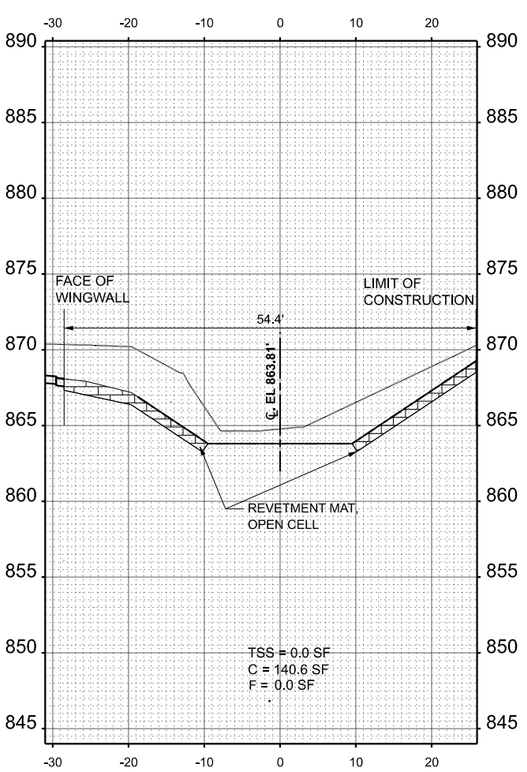


STA 11+40.00



STA 11+80.00