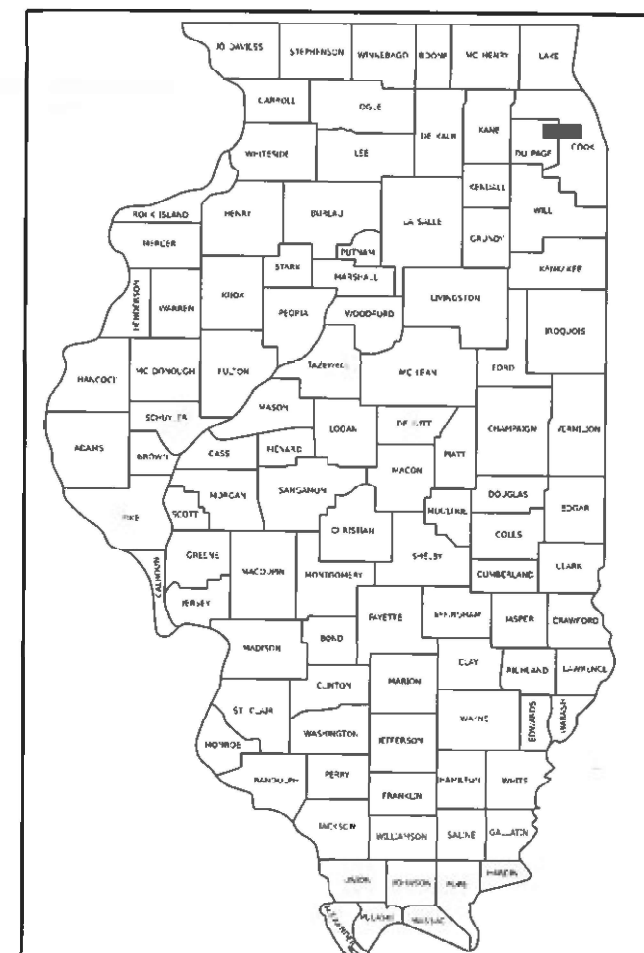


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2690	2021-131-1	COOK	13	1
FED. AID PROJECT	ILLINOIS	CONTRACT NO. 62P53		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

06-17-2022 LETTING ITEM 234

D-91-012-22



LOCATION OF SECTION INDICATED THUS: -

PROPOSED HIGHWAY PLANS

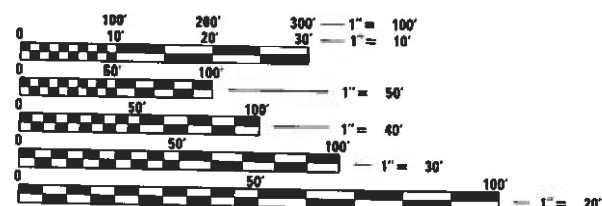
FAU 2690
WOLF ROAD
OVER ADDISON CREEK
SECTION 2021-131-1
CULVERT WINGWALL REPAIRS (S.N. 016-2423)
COOK COUNTY

C-91-004-22

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE CITY
OF NORTHLAKE IN COOK COUNTY

TRAFFIC DATA:
FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR
2018 ADT = 11300
SPEED LIMIT = 30 MPH



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

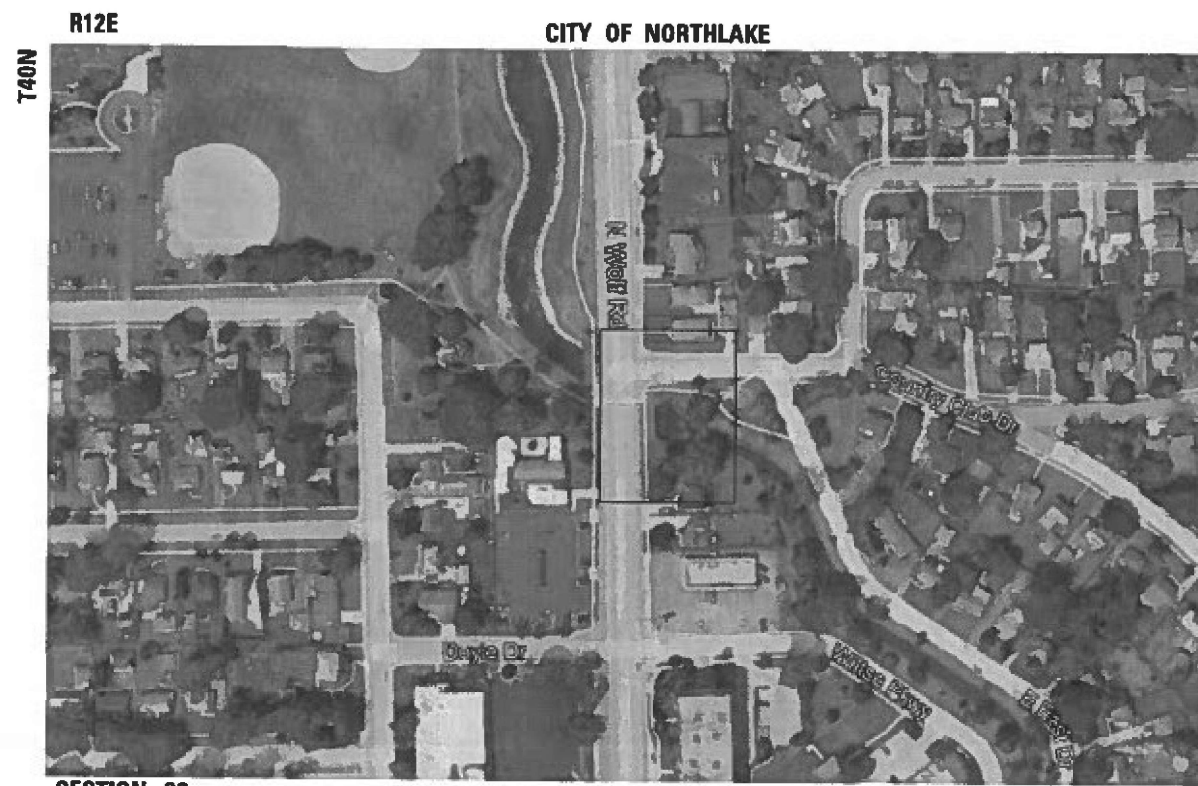
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER PRAVEEN KAINI, PE
(847) 705-4237
PROJECT MANAGER J. ALAIN MIDY, PE
(847) 221-3056
CONTRACT NO. 62P53

GONZALEZ COMANIES, LLC
JOHN PERADOTTI, P.E., S.E.
DATE: 02/02/2022
SIGNATURE AND SEAL
APPLY TO DRAWINGS: 8-11
EXPIRES: 11/30/2022

PRIMERA ENGINEERS LTD.
ROBERT J. DEMING, P.E.
DATE: 02/02/2022
SIGNATURE AND SEAL
APPLY TO DRAWINGS: 1-6
EXPIRES: 11/30/2023

FLUIDCLARITY LTD.
EMILY BERGNER, P.E., CFM
DATE: 02/02/2022
SIGNATURE AND SEAL
APPLY TO DRAWINGS: 7
EXPIRES: 11/30/2023



SECTION 32

Primera
100 N. LAKEVIEW ROAD, SUITE 100, CHICAGO, IL 60611, (312) 465-4000

GROSS LENGTH = 200 FT. = 0.038 MILE
NET LENGTH = 200 FT. = 0.038 MILE

gonzalez
GONZALEZ COMPANIES, LLC
525 WEST MAIN STREET
SUITE 115
BELLEVILLE, IL 62220
PHONE: (618) 222-2221
WWW.GONZALEZCOS.COM
ILLINOIS PROFESSIONAL DESIGN FIRM 184.004584

fluidclarity

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED February 8, 2022
J. ALAIN MIDY, PE
REGIONAL ENGINEER
March 25, 2022
STEPHEN M. J. J. J.
ENGINEER OF DESIGN AND ENVIRONMENT
March 25, 2022
STEPHEN M. J. J. J.
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL - Default
FILE - Sample.dwg
PROJECT - C:\Users\primera-pxw-bentley\Documents\01_Projects\2023\02\04\25\20 - IDOT Phase II Various Design\2023\04\25\206_W06_Wolf Road Over Addison Creek\Drawings\Current_Drawing_Files\CADD_Sheets\Roadway\DXXXXXX-dht-gennotes

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES & STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 ALIGNMENT, TIES & BENCHMARKS
- 5 REMOVAL PLANS
- 6 ROADWAY PLANS
- 7 SOIL EROSION AND SEDIMENT CONTROL PLAN AND SCOUR PLAN
- 8-11 STRUCTURAL PLANS
- 12-13 DISTRICT 1 STANDARD DETAILS

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES

DISTRICT ONE STANDARD DETAILS

- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-22 ARTERIAL ROAD INFORMATION SIGN

GENERAL NOTES

ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" OF THE JANUARY 1, 2022 EDITION, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS AND SPECIAL PROVISIONS OF THE BUREAU OF DESIGN AND ENVIRONMENT. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE JANUARY 1, 2022 EDITION.

THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR SHALL USE CARE IN THEIR CONSTRUCTION OPERATIONS NEAR ANY EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATIFICATION OF THE ENGINEER.

THE CONTRACTOR SHALL REFER TO THE SPECIAL PROVISION FOR STRUCTURAL ASSESSMENT REPORTS FOR CONTRACTOR'S MEANS AND METHODS WHEN FORMULATING A WORK PLAN THAT INVOLVES LOADS ON THE DECK.

THE CONTRACTOR IS TO REFER TO THE SPECIAL PROVISION FOR SAW CUTTING CONTRACTION JOINTS IN P.C.C. SIDEWALKS. NO TOOLED JOINTS WILL BE ALLOWED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISITNG IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

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

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH TEMPORARY MARKINGS, IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR PROPOSED STRIPING AT THE COMPLETION OF THIS CONTRACT. EXACT LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE DIRECTED BY THE RESIDENT ENGINEER.

THE CONTACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

ALL DAMAGE TO EXISTING MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE CONTRACTOR SHALL ACCESS THE PROJECT SITE FROM NORTH AVENUE, NORTH ON WOLF ROAD UP TO COUNTRY CLUB DRIVE, AND SHALL NOT BE ALLOWED NORTH OF THE INTERSECTION OF WOLF ROAD AND COUNTRY CLUB DRIVE DUE TO TRUCK RESTRICTIONS ON WOLF ROAD FROM THE CITY OF NORTHLAKE.

GENERAL NOTES

THE CONTRACTOR SHALL USE CARE NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE CITY OF NORTHLAKE'S EXISTING IRRIGATION SYSTEM AND ORNAMENTAL LIGHTING SYSTEM LOCATED IN THE SOUTH PARKWAY OF COUNTRY CLUB DRIVE.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKDAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONTRACT.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY STATIC CONE PENETROMETER (SCP) OR DYNAMIC CONE PENETROMETER (DCP) IN THE FIELD DURING CONSTRUCTION BY THE ENGINEER.

THE STRIPPED TOPSOIL SHALL BE STOCKPILED, SORTED, AND REUSED FOR THE PROPOSED LANDSCAPING IMPROVEMENTS, THE ACTUAL REMOVAL DEPTH AND QUANTITY OF TOPSOIL REMOVAL SHALL BE VERIFIED IN THE FIELD.

LANDSCAPING AND EROSION CONTROL QUANTITIES ARE ONLY ESTIMATED AND EXACT QUANTITY WILL BE DETERMINED UPON THE SIZE OF AREA DISTURBED.

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.071b. c) OF THE SSRBC WILL NOT BE ALLOWED.

COMMITMENTS:

NONE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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



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	DRAWN - RM/RMV	REVISED -
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PLOT DATE = 3/11/2022	DATE - 07/07/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARDS AND GENERAL NOTES
WOLF ROAD BRIDGE OVER ADDISON CREEK

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2690	2021-131-I	COOK	13	2
CONTRACT NO. 62P53				
		ILLINOIS	FED. AID PROJECT	

* SPECIALTY ITEM

REV-SEP

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DRAWN: RM/RMV
CHECKED: MPV
DESIGNED: RM/RMV
REVISOR: RM/RMV
PLOT SCALE: 40,0000 * / in.
PLOT DATE: 2/9/2022



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PLOT DATE	= 2/9/2022

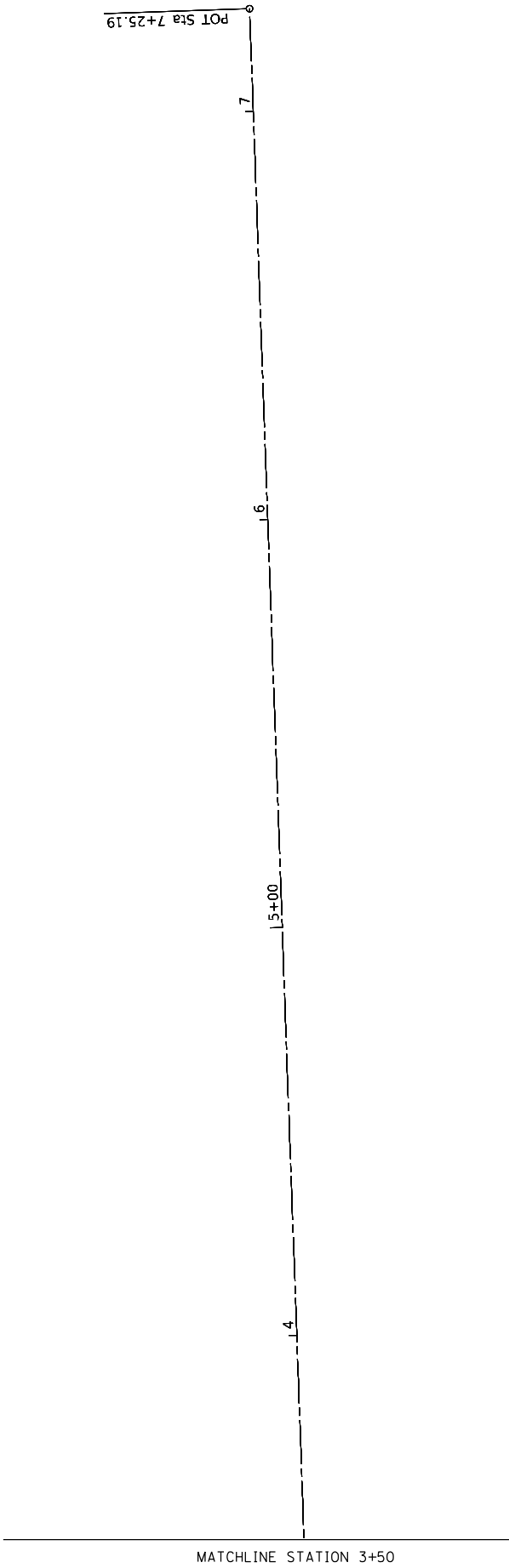
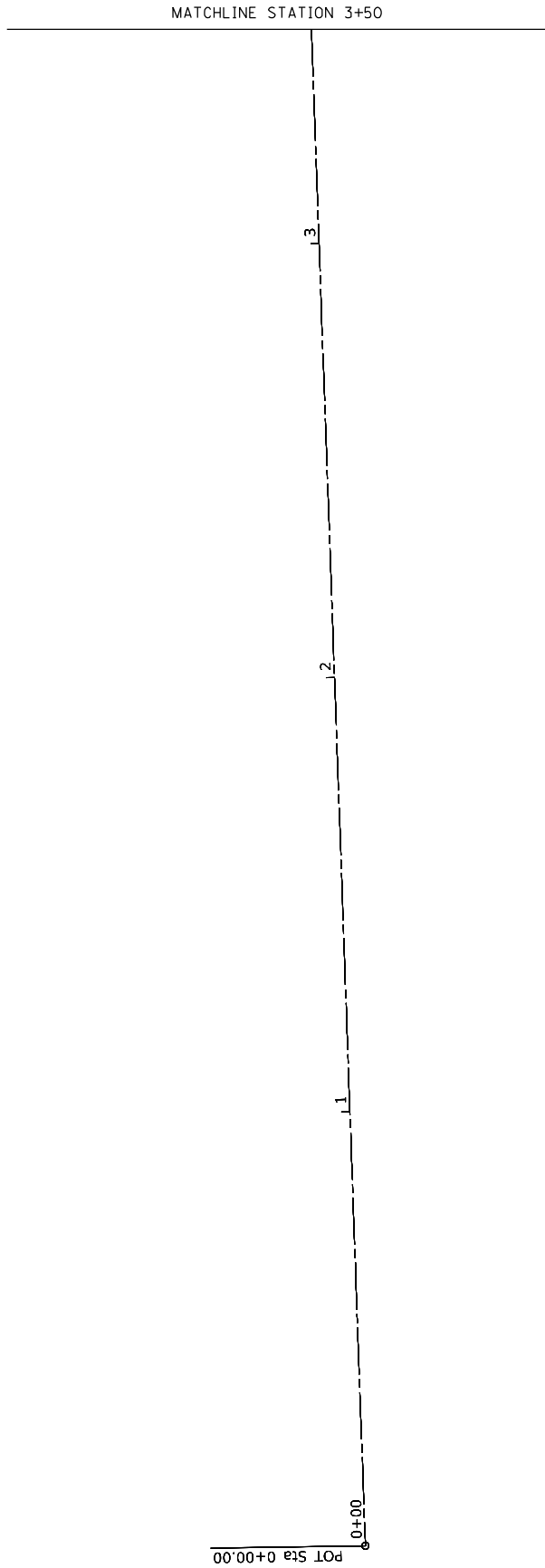
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DRAWN	-	RM/RMV
CHECKED	-	MPV
DATE	-	07/07/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS			
WOLF ROAD BRIDGE OVER ADDISON CREEK			
SCALE:	SHEET	OF	SHEETS
STA.		TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2690	2021-131-I	COOK	13	4
CONTRACT NO. 62P53				
ILLINOIS		FED. AID PROJECT		



BENCHMARK 100
CHISELED X ON SIDEWALK AT STA 5+97.18 99.68' RT

BENCHMARK 101
CHISELED X ON SIDEWALK AT STA 4+78.89 37.12' RT

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DRAWING: 62P53
SHEET: 5
DATE: 2/9/2022
PROJECT: 2021-131-I
DRAWING: 62P53
SHEET: 5
DATE: 2/9/2022

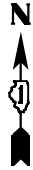
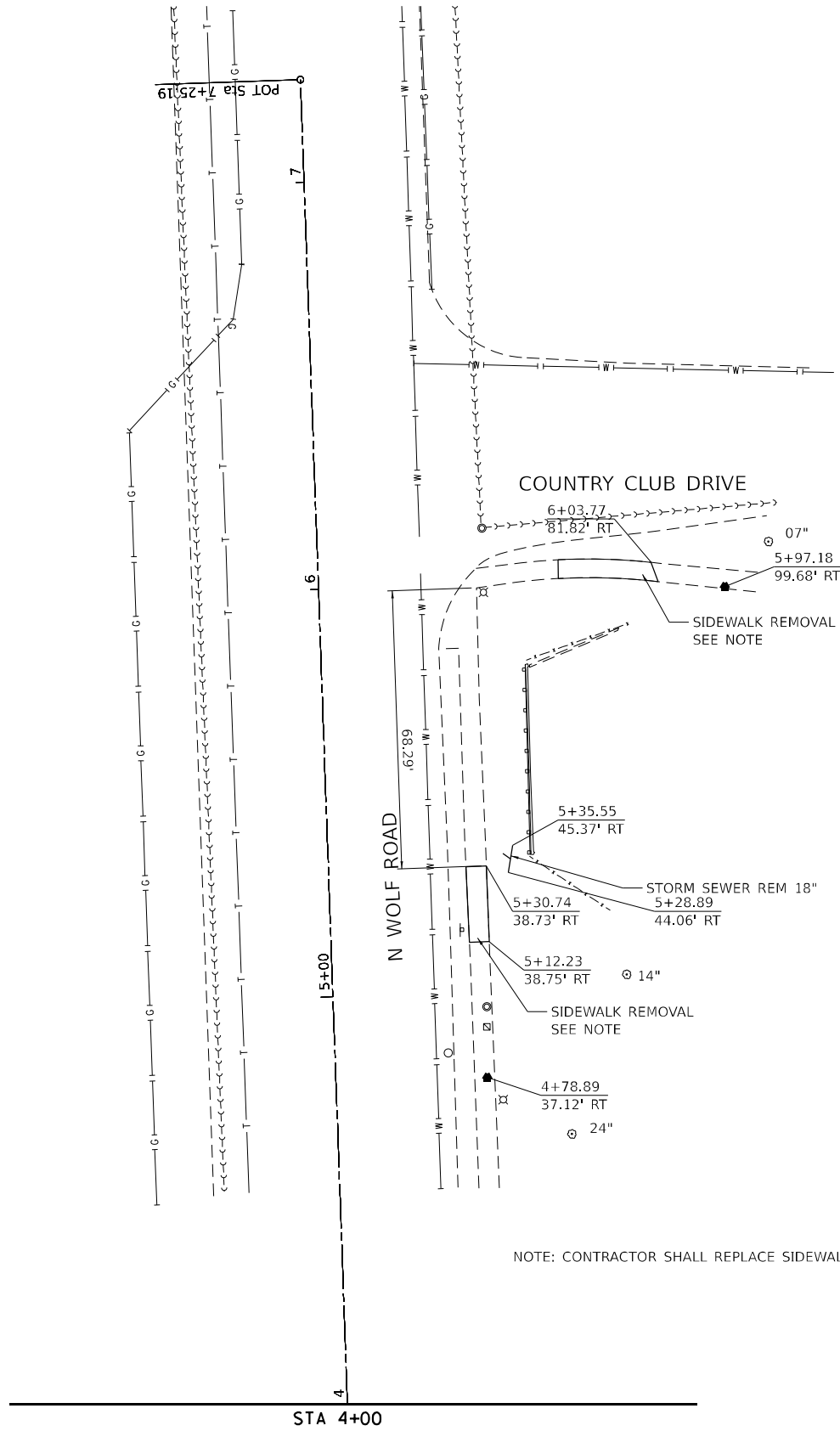


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PLOT DATE = 2/9/2022	DATE - 07/07/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN WOLF ROAD BRIDGE OVER ADDISON CREEK			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2690	2021-131-I	COOK	13	5
CONTRACT NO. 62P53				
ILLINOIS FED. AID PROJECT				



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400 N. JACKSON BLVD, SUITE 400, CHICAGO, IL 60610, P.312-465-4010 F.312-465-4015



USER NAME = rvandermus	DESIGNED - RM/RMV	REVISED -
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PLOT DATE = 3/10/2022	DATE - 07/07/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
WOLF ROAD BRIDGE OVER ADDISON CREEK

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2690	2021-131-I	COOK	13	6
CONTRACT NO. 62P53				
		ILLINOIS	FED. AID PROJECT	

SHORT-TERM LANE CLOSURE FOR LOADING AND UNLOADING OF EQUIPMENT PER IDOT STANDARD 701301. ALL OTHER CONSTRUCTION ACTIVITIES SHALL UTILIZE IDOT STANDARD 701006 FOR MOT.

STORM SEWERS, CLASS A, TYPE 1 18"
N INV: 640
S INV: MATCH EXISTING

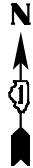
SHORT-TERM LANE CLOSURE FOR LOADING AND UNLOADING OF EQUIPMENT PER IDOT STANDARD 701301. ALL OTHER CONSTRUCTION ACTIVITIES SHALL UTILIZE IDOT STANDARD 701006 FOR MOT.

COUNTRY CLUB DRIVE

PCC SIDEWALK 5 INCH

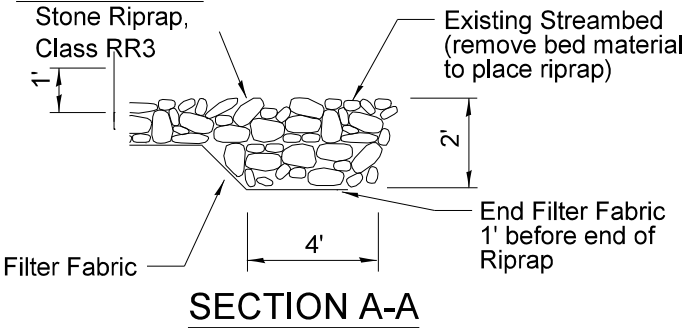
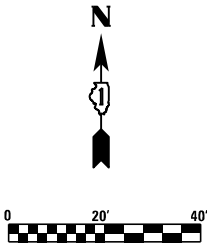
N WOLF ROAD

PCC SIDEWALK 5 INCH



EROSION CONTROL NOTES:

1. STREAMBANK SLOPE DISTURBED BY WINGWALL INSTALLATION SHALL BE COVERED WITH HEAVY DUTY EROSION CONTROL BLANKET, SEEDED WITH CLASS 3 SEEDING, AND HAVE (G20030Y2) SEEDLING CORNUS AMOMUM (SILKY DOGWOOD), 2-YEAR OLD, BARE ROOT AND (F30170Y2) SEEDLING, SALIX NIGRA (BLACK WILLOW), 2-YEAR OLD, BARE ROOT. PLANT MATERIAL SHALL ONLY BE PLACED IN AREAS OF SLOPE DISTURBANCE IN ADDITION TO SEEDING, CLASS 3. QUANTITIES ARE ONLY ESTIMATED AND EXACT QUANTITY WILL BE DETERMINED UPON THE SIZE OF AREA DISTURBED.
2. GRASSED AREAS DISTURBED BY CONSTRUCTION (OTHER THAN STREAMBANK SLOPES) SHALL BE SODDED WITH SALT TOLERANT SODDING.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE/REPAIR OF EROSION CONTROL MEASURES UNTIL ADEQUATE VEGETATION GROWTH HAS OCCURRED.
4. TEMPORARY DITCH CHECKS SHALL BE INSTALLED ACROSS THE ENTIRE CHANNEL AT 50' AND 70' DOWNSTREAM (EAST) OF THE EAST CULVERT FACE, PER THE DETAIL.



CHANNEL RIPRAP INSTALLATION DETAIL
(NTS)

ROLLED EROSION CONTROL PRODUCTS

STAKING PATTERN GUIDE

STAKE WITHIN 2" OF THE END OF WATTLE

STRAW WATTLE OR ROLLED EXCELSIOR IN 3" DEEP TRENCH

WOOD STAKE

2" OR LESS

6" MIN.

NOTES:

- OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
- 4' SPACING FOR WATTLES.
- 2' SPACING FOR ROLLED EXCELSIOR.
- OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

STAKE DETAIL

ROLLED EROSION CONTROL PRODUCT

WOOD STAKE (TO ONLY PENETRATE NETTING)

CHANNEL BOTTOM

3" DEEP TRENCH

COMPOST FILTER SOCK DETAIL

COMPOST FILLER MATERIAL

1" x 2" WOOD STAKE (OR EQUAL)

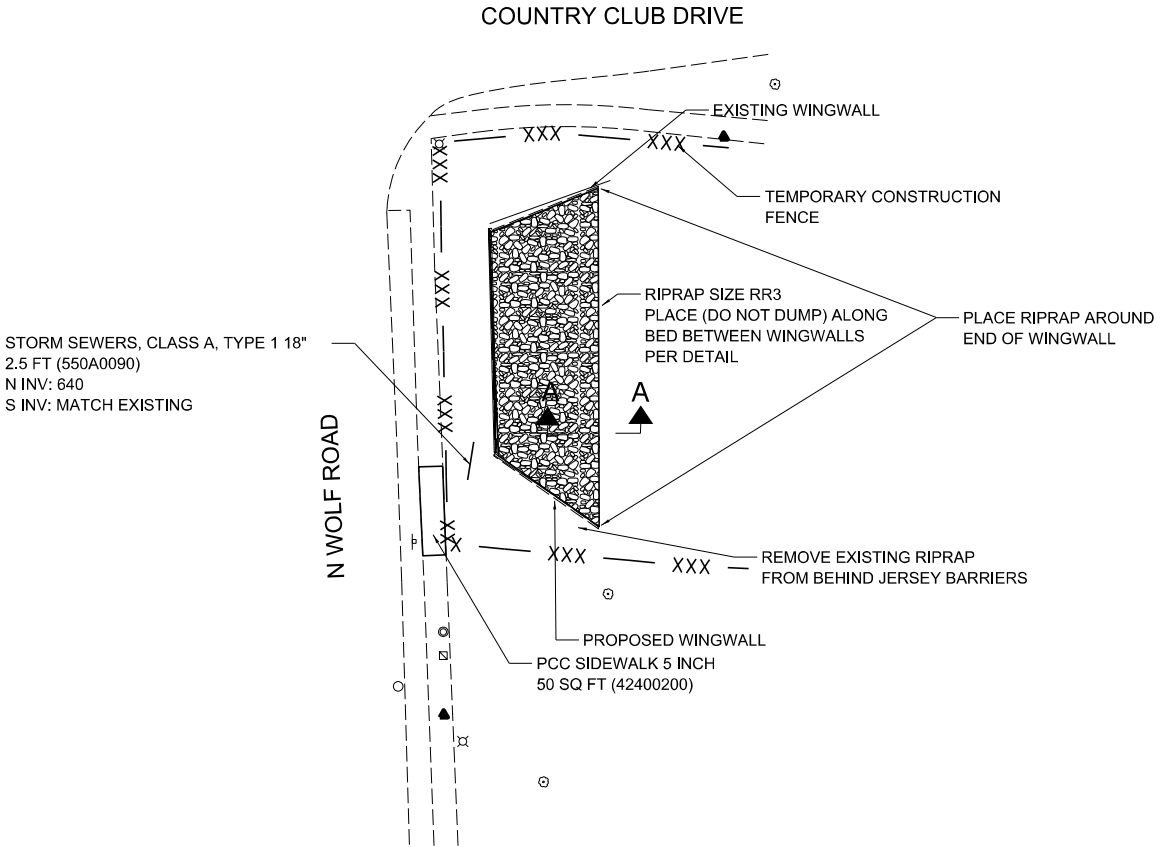
PLACE ADDITIONAL COMPOST FILLER MATERIAL TO FILL THE SEAM BETWEEN THE TUBE AND THE GROUND

WHEN COMPOST FILTER SOCK DITCH CHECK IS USED, PLACE A COMPOST BERM UPSTREAM OF THE FILTER SOCK (SEE IUM 805). A TRENCH IS NOT REQUIRED.

NOTES:

- DRAWINGS ARE NOT TO SCALE.
- ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
- RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
- STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
- SPACING: THE TOE OF THE UPSLOPE DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.
- WHEN COMPOST FILTER SOCK DITCH CHECK IS USED, PLACE A COMPOST BERM UPSTREAM OF THE FILTER SOCK (SEE IUM 805). A TRENCH IS NOT REQUIRED.

REFERENCE	STANDARD DWG. NO.
Project _____	IUM-514
Designed _____ Date _____	SHEET 1 OF 1
Checked _____ Date _____	DATE 08-19-2011
Approved _____	



OVERLAP BLANKETS SIDE BY SIDE USING A 4" OVERLAP WITH UPSLOPE BLANKET LAID OVER DOWNSLOPE BLANKET

OVERLAP END OF UPSLOPE BLANKET 4" OVER DOWNSLOPE BLANKET AND SECURE WITH STAPLES

BURY UPSLOPE END OF BLANKET IN TRENCH 6" WIDE BY 6" DEEP

BURY TOE OF BLANKET IN TRENCH 6" WIDE BY 6" DEEP

DETAIL 1

Anchor Slot

DETAIL 2

Single Joint

DETAIL 3

Parallel Overlaps

STAPLE DETAIL

1" Min

PUSH PIN DETAIL

1.5" Min

NOTES:

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

Project _____	DESIGNED	DATE
Drawn B. JOHNSON	11/08	
Checked _____		
Approved _____		

EROSION CONTROL
BLANKET INSTALLATION DETAILS

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USER NAME = ERB	DESIGNED - ERB	REVISED 3/11/2022
	DRAWN - ERB	REVISED -
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PLOT DATE = 1/28/2022	DATE - 1/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

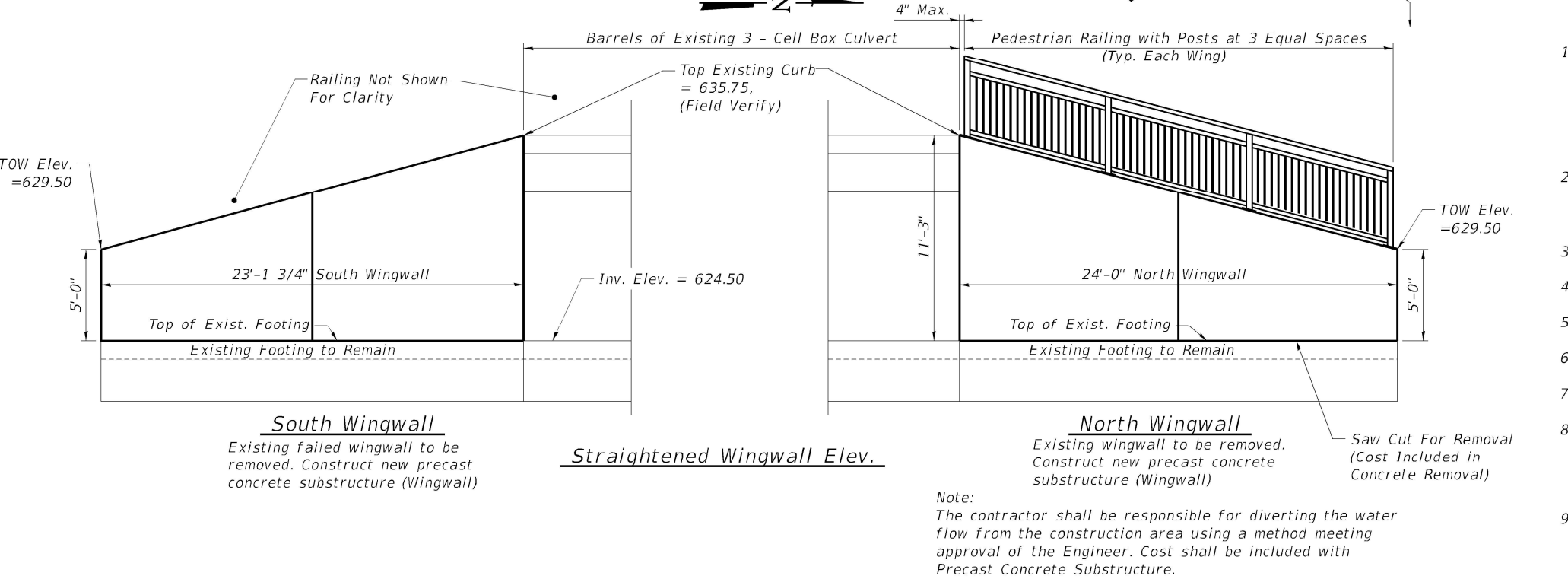
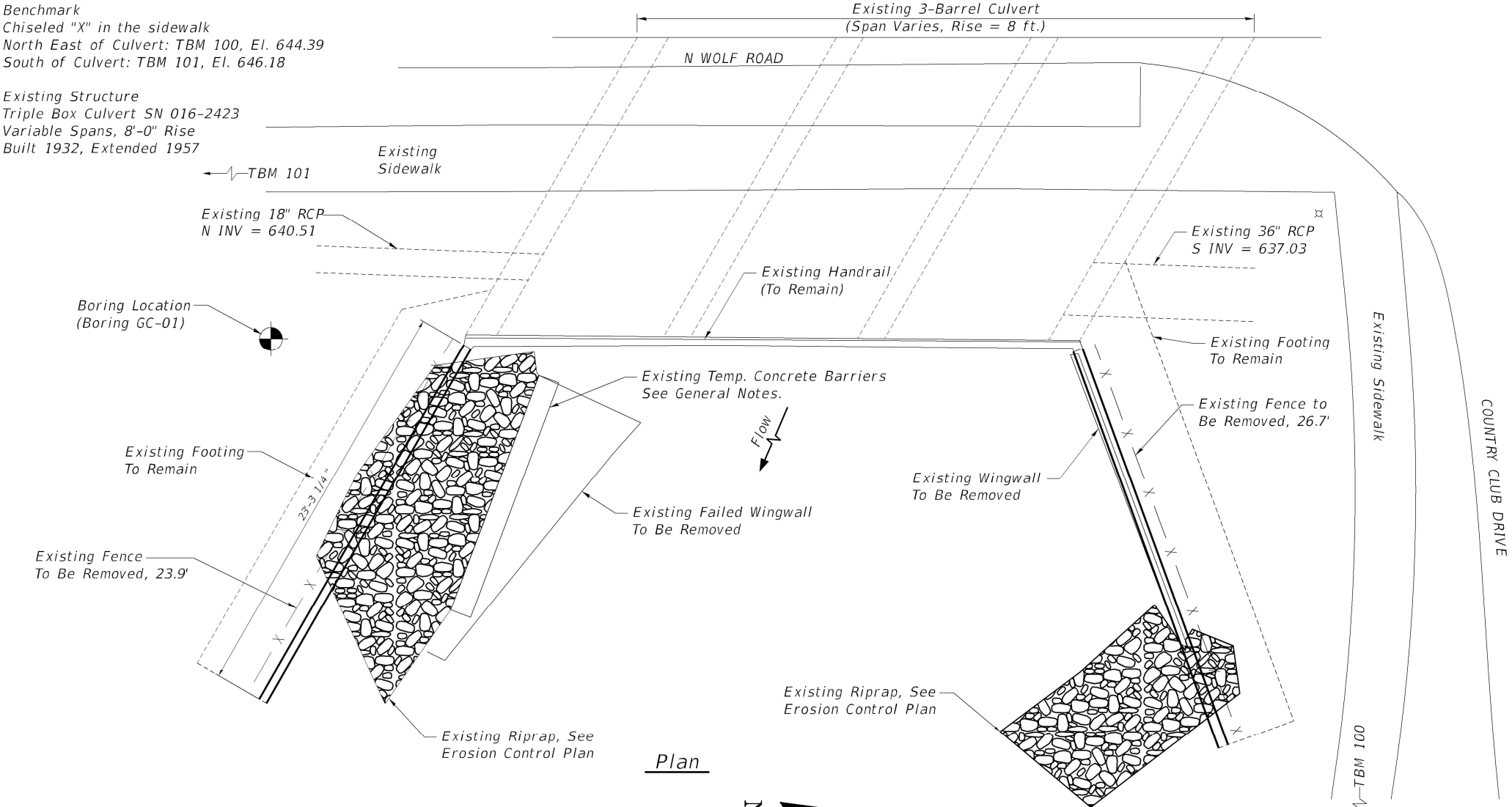
SOIL EROSION AND SEDIMENT CONTROL PLAN AND SCOUR PLAN
WOLF ROAD BRIDGE OVER ADDISON CREEK

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2690	2021-131-I	COOK	12	7
CONTRACT NO. 62P53				
ILLINOIS FED. AID PROJECT				

Benchmark
Chiseled "X" in the sidewalk
North East of Culvert: TBM 100, El. 644.39
South of Culvert: TBM 101, El. 646.18

Existing Structure
Triple Box Culvert SN 016-2423
Variable Spans, 8'-0" Rise
Built 1932, Extended 1957



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	90
Concrete Removal	Cu Yd	13.1
Structure Excavation	Cu Yd	119
Pedestrian Railing	Foot	47
* Precast Concrete Substructure	L Sum	1
* Chain Link Fence Removal	Foot	51
* Structural Repair of Concrete (Depth Equal To or Less than 5 inches)	Sq Ft	50.0
* Structural Repair of Concrete (Depth Greater than 5 inches)	Sq Ft	10.0

* See Special Provisions

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

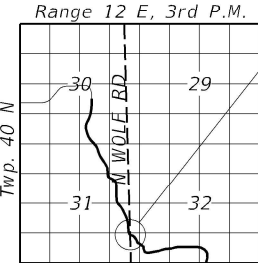
DESIGN STRESSES

FIELD UNITS

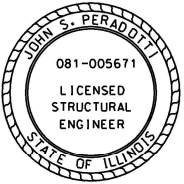
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (AASHTO M270 Grade 50)

PRECAST UNITS

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



LOCATION SKETCH

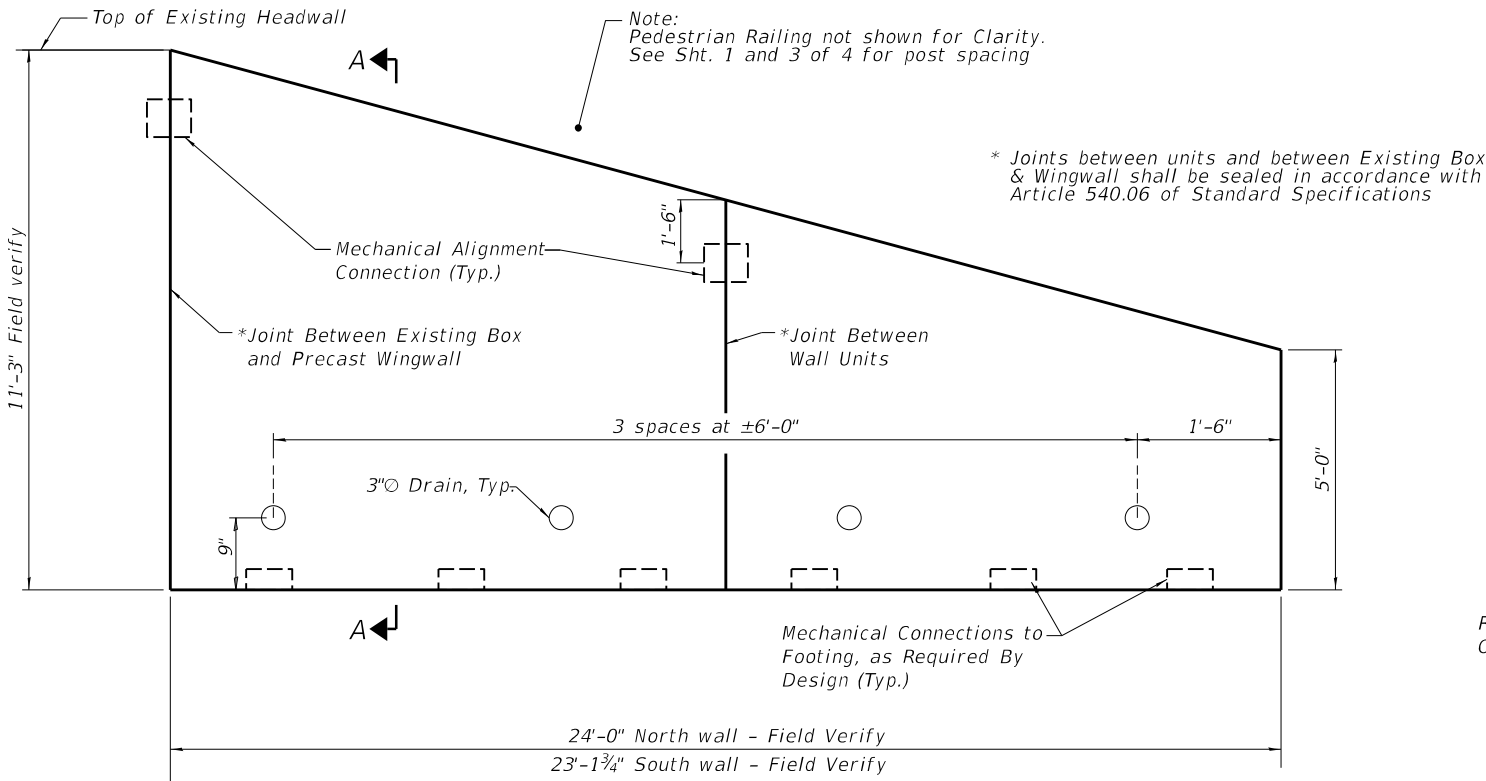


John S. Peradotti
Salem, Illinois
Illinois Licensed Structural Engineer No. 081-005671
Expires Nov. 30, 2022
Date Signed Jan. 25, 2022

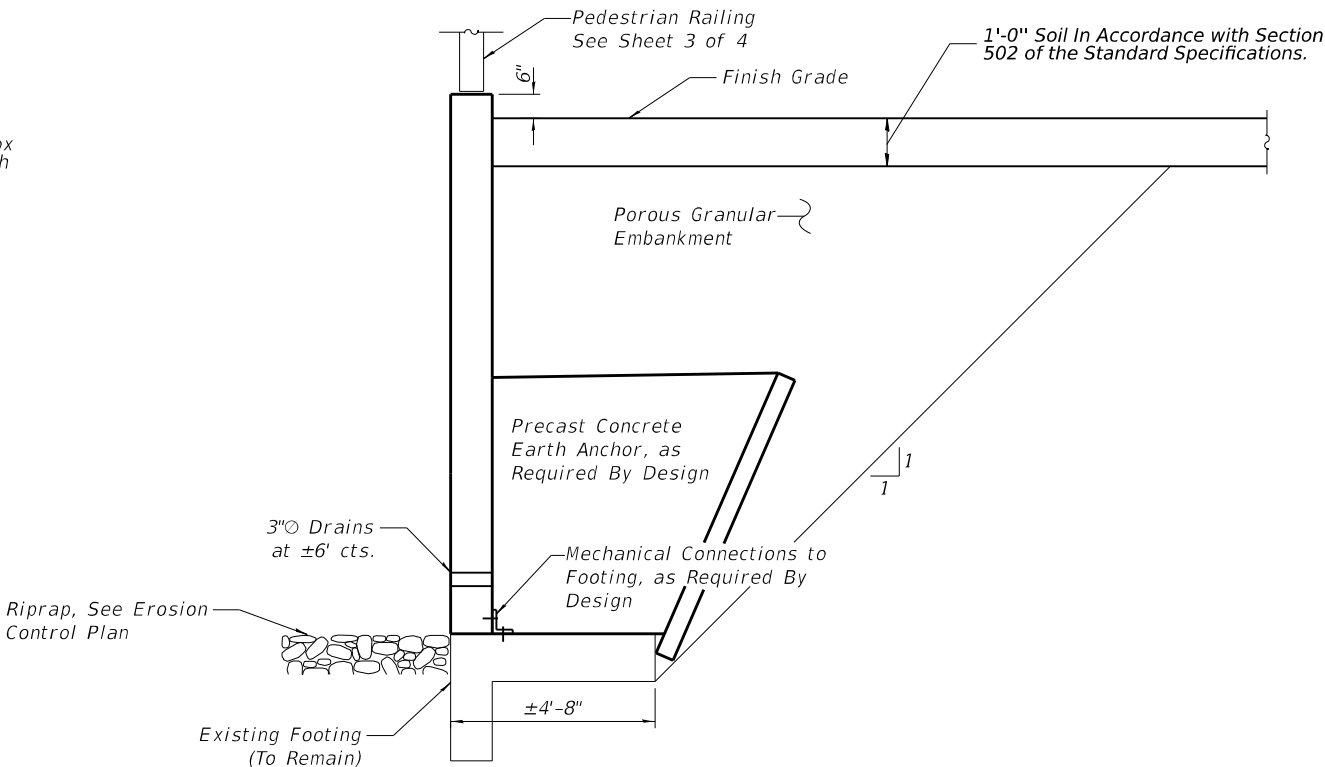
GENERAL NOTES

- Plan dimensions and details relative to the existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering materials. Such variations shall not be cause for additional compensation for a change in scope of the work. However, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor shall take extra care during removal of the existing wingwall adjacent to existing culvert and storm sewer as to not damage or undermine the existing foundation(s).
- All exposed concrete edges shall be chamfered 3/4" except where noted.
- All structural steel shall conform to the requirements of AASHTO M270 Grade 50.
- Refer to Structure Geotechnical Report for site preparation and backfilling.
- See Erosion Control Sheets for Layout of the Slope Protection System.
- See Erosion Control Plan for Riprap placement (existing and proposed).
- The existing concrete barriers shall be removed, salvaged and placed within the ROW. The IDOT District 1 maintenance department shall be contacted for removal and possession. The cost for this work shall be included in the cost per Cubic Yard for Concrete Removal.
- Removal of existing wingwall shall be measured and payed for as concrete removal.

Note:
The Existing Footings shall be repaired as directed by Engineer and paid for as Structural Repair of Concrete.
Quantity of Concrete Repair shown is estimated, actual areas shall be determined by Engineer in field.
Drill and epoxy grout anchors in accordance with Section 584 of the IDOT Standard Specifications.
Temporary shoring may be required to protect existing utilities as directed by Engineer, Cost included in the Price of Precast Concrete Substructure.



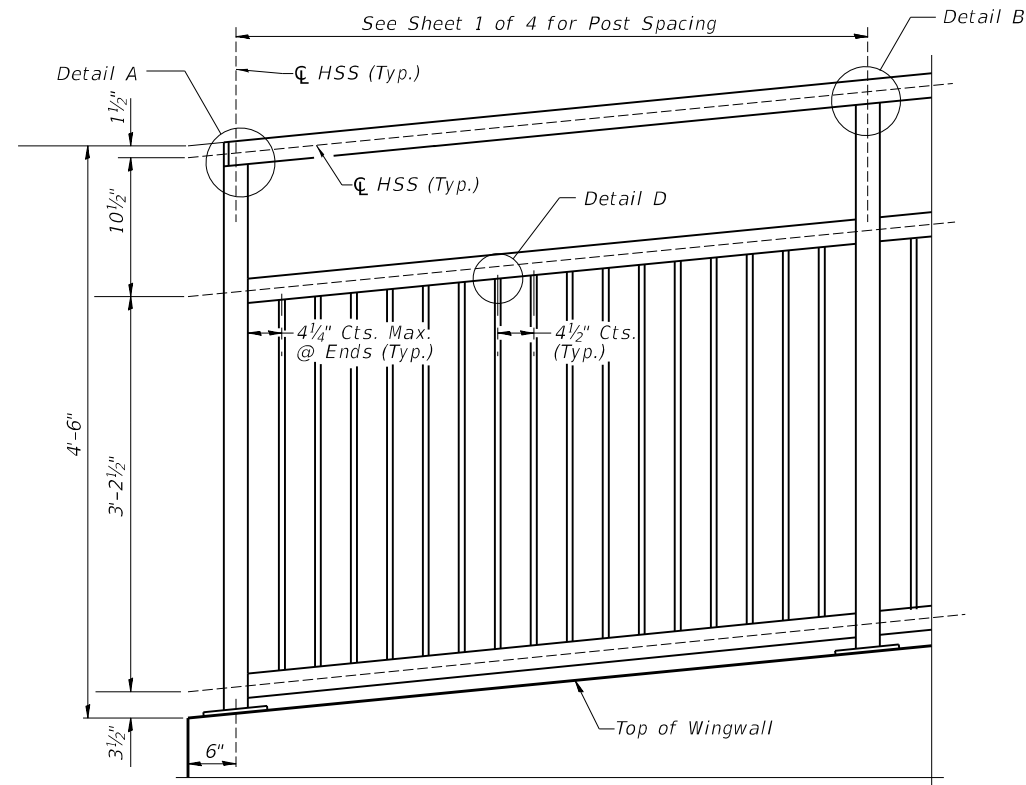
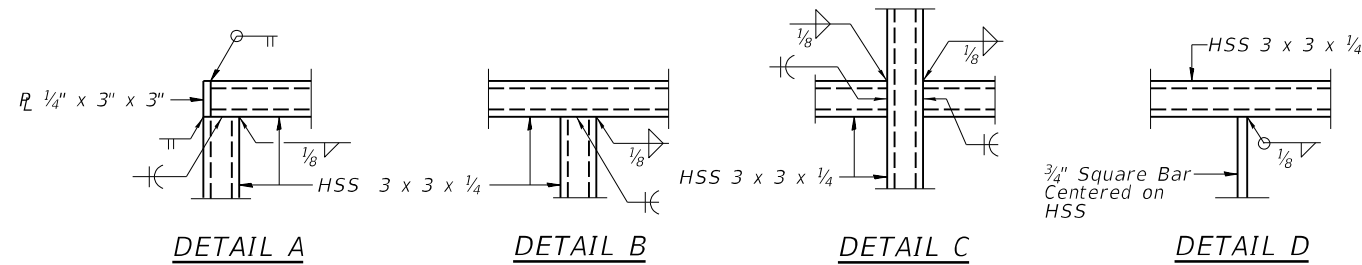
WALL ELEVATION DETAIL
North Wingwall Shown, South Wingwall Similar



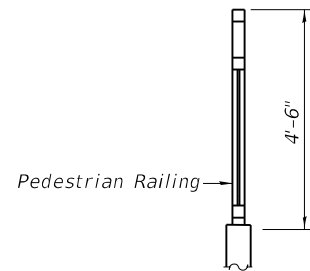
SECTION A-A

BILL OF MATERIAL

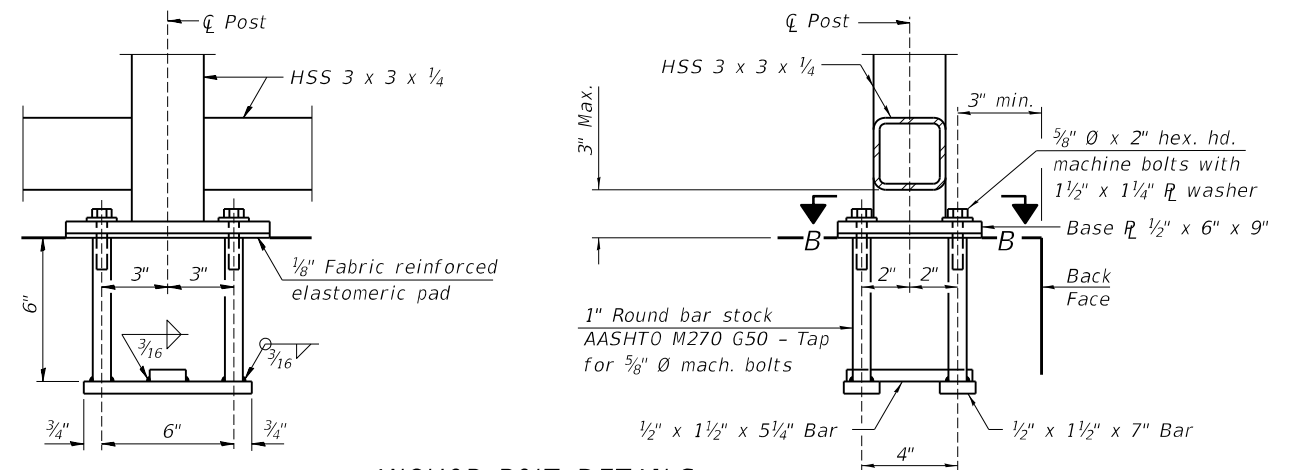
Item	Unit	Quantity
Precast Concrete Substructure	L Sum	1
Structural Repair of Concrete (Depth Equal to or Less than 5 in.)	Sq Ft	50.0
Structural Repair of Concrete (Depth Greater than 5 in.)	Sq Ft	10.0



PEDESTRIAN RAILING



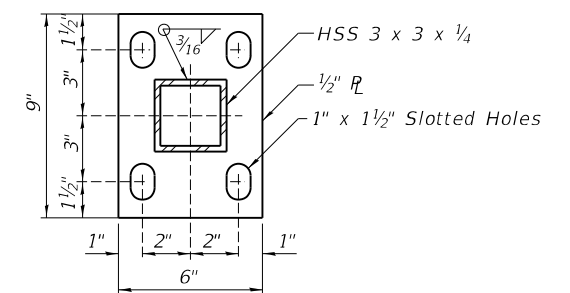
SECTION THRU WALL



ANCHOR BOLT DETAILS

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

Notes:
Place reinforcement bars to miss anchor rod locations.
CVN testing is not required for the HSS tubing used in the Bicycle Railing.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
All picket / post Elements Shall be Vertical and Plumb when erected.



SECTION B-B

BILL OF MATERIAL

Item	Unit	Quantity
Pedestrian Railing	Foot	47



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7 CARPENTER DRIVE
SALEM, IL 62881
PHONE (618) 222-2221
www.gonzalezcos.com
ILLINOIS PROFESSIONAL DESIGN FIRM 184,004564

DESIGNED - JSP
CHECKED - GLH
DRAWN - KMA/JMW
DATE - 02/09/2022

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PEDESTRIAN RAILING DETAILS

BRIDGE SHEET 3 OF 4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2690	2021-13-I	COOK	13	10
CONTRACT NO. 62P53				
ILLINOIS FED. AID PROJECT				

GCL Job No. 20-114-06



SOIL BORING LOG

Log of Boring
GC-01
Sheet 1 of 2

ROUTE:	FAU2688 (Wolf Road)	DESCRIPTION:	Wolf Road over Addison Creek		
SECTION:		DRILLER:	Rubino Engineering, Inc.	DATE(S) DRILLED:	08/13/2021 to 08/13/2021
COUNTY:	Cook	DRILLED BY:	Joe Kenny	LOGGED BY:	Nikki Kurfman (Gonzalez)
STRUCT. NO.:	016-2423	DRILL RIG TYPE:	Geoprobe 7822DT	BACKFILL:	Backfilled with auger cuttings.
STATION & OFFSET:	/	DRILLING METHOD:	3-1/4" hollow stem auger	Ground Water Observation(s):	
SURFACE ELEV.:	645.5 ft	SAMPLING METHOD:		First Encounter:	16.30 ft
VERTICAL DATUM:	NAVD83	HAMMER TYPE:	Auto Hammer (140 lb)	Upon Completion:	32.00 ft
LAT/LONG:	41.910181, -87.903129	HAMMER EFFICIENCY:	88.8 %	After Drilling:	
LOCATION:	Over Addison Creek	REMARKS:	Gonzalez Project No. 20-114-06		

Depth (ft)	Graphic	Material Description	Elevation (ft): 645.5	Sample Number	Recovery, in. (%)	Sampling Resist. Or Core RCD(%)	Rimac, Qu (tsf)	Pocket Pen. Qu (tsf)	Moisture Content (%)	Dry Unit Weight (pcf)	Liquid Limit	Plasticity Index	Depth (ft)	Remarks
1		TOPSOIL	645.0	SS-1	18 (75)	3-7-7-7 N = 14		2.0 P	19				1	
2		CLAY: stiff, brown, dry, low plastic, with brick, few sand, few gravel (FILL)	644										2	
3			642	SS-2	19 (79)	6-4-5-5 N = 9		>4.5 P	16				3	
4			640.7										4	
5		CLAY: stiff, dry, dark brown, low plastic, trace sand, trace gravel (GLACIAL TILL)	640	SS-3	13 (54)	4-4-4-7 N = 8		>4.5 P	15				5	
6			638.5	SS-4A	16 (67)	3-4-5-6 N = 9	4.3 S	4.2 P	20				6	
7		CLAY: medium stiff, moist, gray to brown, high plastic, little sand; iron oxide staining (A-7-6) (GLACIAL TILL)	638	SS-4B				3.2 P	22				7	
8			636	SS-5	18 (75)	3-3-4-4 N = 7	2.5 S	2.5 P	22		55	31	8	
9			634	SS-6	18 (75)	2-2-3-3 N = 5	1.6 B	2.8 P	22				9	
10			632	SS-7A	20 (83)	2-5-6-7 N = 11	5.0 B	2.5 P	20				10	
11			630.6	SS-7B				4.2 P					11	
12			630	SS-8A	18 (75)	4-4-3-3 N = 7	2.5 B	1.2 P	16				12	
13			629.8	SS-8B				1.0 P	21				13	
14			628.4	SS-9A	20 (83)	1-3-3-3 N = 6		0.5 P					14	
15		SILTY LOAM: medium stiff, wet, gray, low plastic, few fine sand (GLACIAL TILL)	628	SS-9B				1.8 P	20				15	
16		SAND : loose, wet, black, fine to coarse (GLACIAL TILL)	627.4	SS-9C									16	
17		CLAY: medium stiff, moist, gray, low plastic, few fine to coarse sand, few gravel (GLACIAL TILL)	626.3	SS-10A	17 (71)	0-1-2-3 N = 3		1.1 B	1.0 P	22			17	
18		SAND: loose, wet, black, fine to coarse (GLACIAL TILL)	626	SS-10B									18	
19		CLAY: medium stiff, moist, dark gray, low plastic, few fine to coarse sand, few											19	
20													20	



SOIL BORING LOG

Log of Boring
GC-01
Sheet 2 of 2

ROUTE:	FAU2688 (Wolf Road)	DESCRIPTION:	Wolf Road over Addison Creek		
SECTION:		DRILLER:	Rubino Engineering, Inc.	DATE(S) DRILLED:	08/13/2021 to 08/13/2021
COUNTY:	Cook	DRILLED BY:	Joe Kenny	LOGGED BY:	Nikki Kurfman (Gonzalez)
STRUCT. NO.:	016-2423	DRILL RIG TYPE:	Geoprobe 7822DT	BACKFILL:	Backfilled with auger cuttings.
STATION & OFFSET:	/	DRILLING METHOD:	3-1/4" hollow stem auger	Ground Water Observation(s):	
SURFACE ELEV.:	645.5 ft	SAMPLING METHOD:		First Encounter:	16.30 ft
VERTICAL DATUM:	NAVD83	HAMMER TYPE:	Auto Hammer (140 lb)	Upon Completion:	32.00 ft
LAT/LONG:	41.910181, -87.903129	HAMMER EFFICIENCY:	88.8 %	After Drilling:	
LOCATION:	Over Addison Creek	REMARKS:	Gonzalez Project No. 20-114-06		

Depth (ft)	Graphic	Material Description	Elevation (ft): 645.5	Sample Number	Recovery, in. (%)	Sampling Resist. Or Core RCD(%)	Rimac, Qu (tsf)	Pocket Pen. Qu (tsf)	Moisture Content (%)	Dry Unit Weight (pcf)	Liquid Limit	Plasticity Index	Depth (ft)	Remarks
21		CLAY: medium stiff, moist, dark gray, low plastic, few fine to coarse sand, few gravel (A-6) (GLACIAL TILL)	624	SS-11	24 (100)	1-2-3-4 N = 5	3.1 B	0.8 P					21	
22			622.7	SS-12A	24 (100)	0-3-6-9 N = 9	1.1 B	1.2 P					22	
23		CLAY: stiff, dry, dark gray, low plastic, few fine to coarse sand, trace gravel; some fine sand lenses (GLACIAL TILL)	622	SS-12B				1.0 P					23	
24			620	SS-13	18 (75)	6-6-6-6 N = 12	1.8 B	2.5 P					24	
25			618	SS-14A	23 (96)	3-8-5-5 N = 13	3.1 B	4.2 P					25	
26			616	SS-14B				>4.5 P					26	
27			615.9	SS-14C				>4.5 P					27	
28			614	SS-15A	24 (100)	5-8-12-15 N = 20	7.8 B	2.2 P					28	
29			613.5	SS-15B				2.5 P					29	
30		SANDY LOAM: dense, dry, gray, fine sand (GLACIAL TILL)	612	SS-16	19 (79)	2-5-17-22 N = 22		>4.5 P					30	
31			611.5	SS-17	24 (100)	12-17-13-20 N = 30	3.8 S	>4.5 P					31	
32		SILTY LOAM: hard, dry, gray, low plastic, some fine sand (GLACIAL TILL)	610	SS-18	20 (83)	20-24-48-26 N = 72		>4.5 P					32	
33			608.5	SS-19	24 (100)	8-10-10-9 N = 20	1.8 B	3.2 P					33	
34		SANDY LOAM: very dense, moist, gray, fine sand, trace gravel (GLACIAL TILL)	608	SS-20	19 (79)	3-5-4-4 N = 9	2.0 B	1.0 P					34	
35			606.5					0.8 P					35	
36		SILT: very stiff, dry to moist, gray, low plastic, trace sand (GLACIAL TILL)	605.5					1.0 P					36	
37													37	
38													38	
39													39	
40		Boring terminated at 40.0'											40	



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DESIGNED - JSP
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DATE - 02/09/2022

REVISED -
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REVISED -
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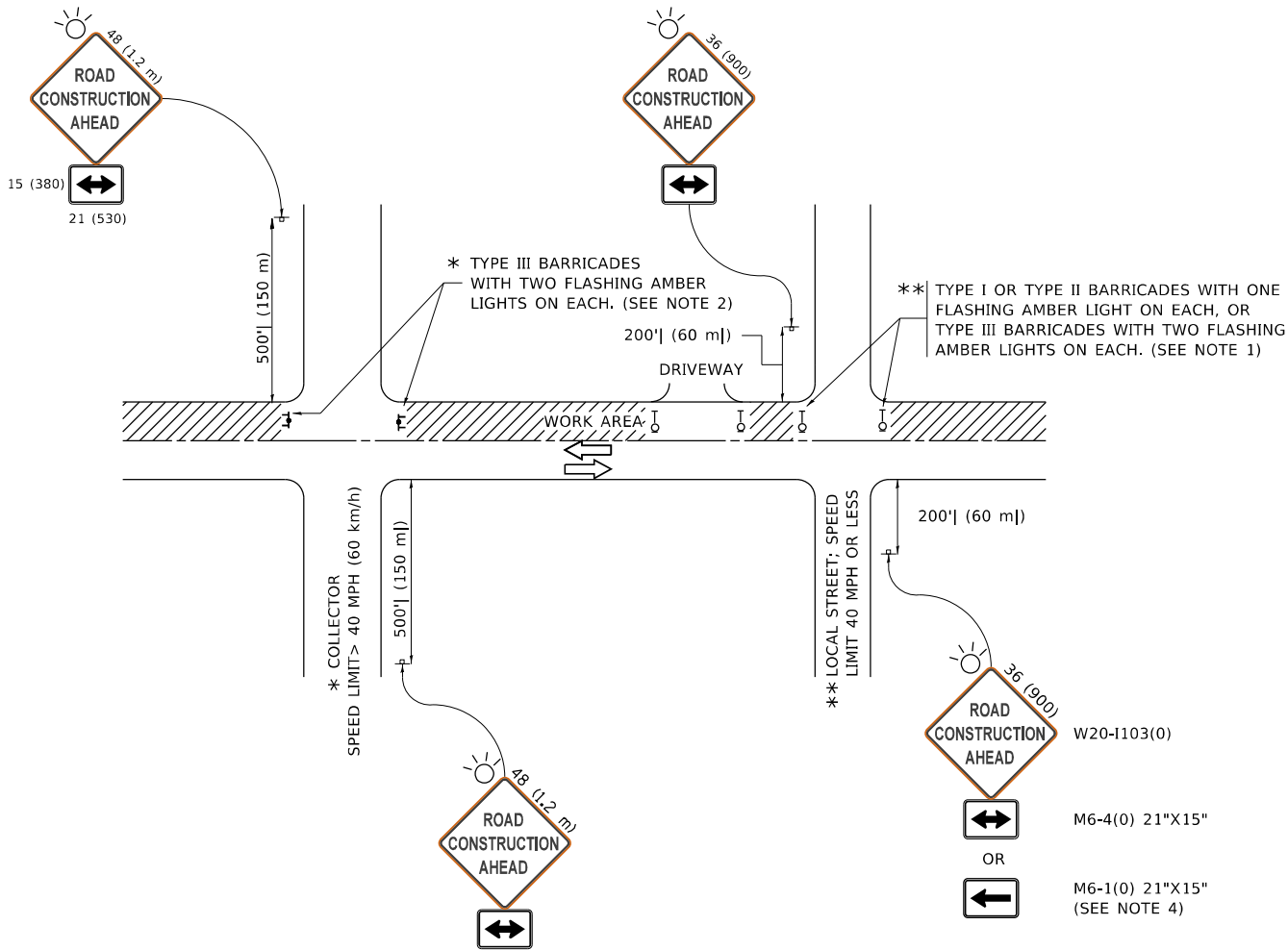
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

BRIDGE SHEET 4 OF 4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2690	2021-13-I	COOK	13	11
CONTRACT NO. 62P53				
ILLINOIS FED. AID PROJECT				

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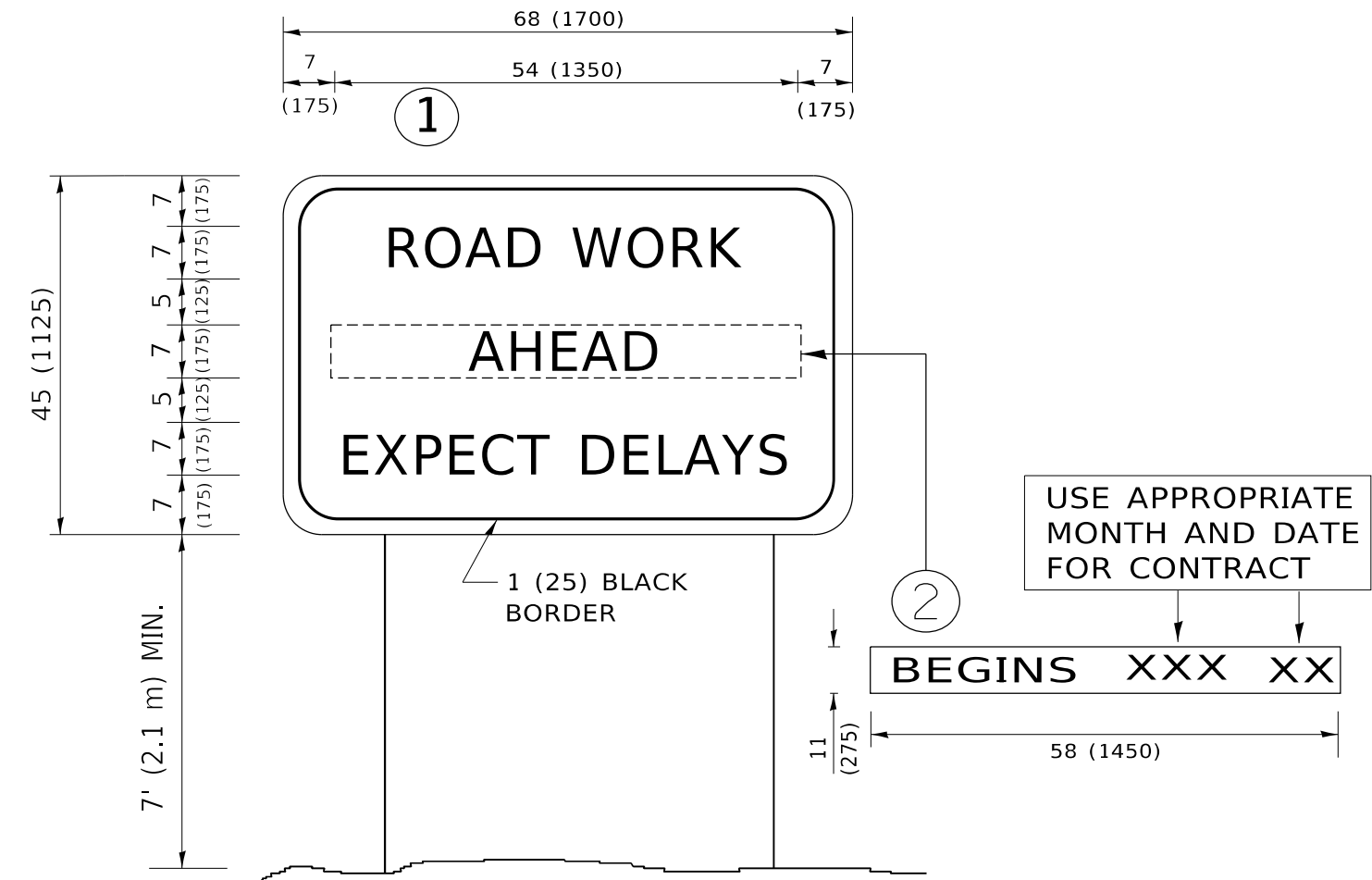
NOTES:

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

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

	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 01-06-00						2690	2021-131-I	COOK	13	12
	PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13						TC-10		CONTRACT NO. 62P53		
	PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16						ILLINOIS FED. AID PROJECT				

MODEL: Default
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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 SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON 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	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97						2690	2021-131-I	COOK	13	13
	PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99		TC-22		CONTRACT NO. 62P53						
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		ILLINOIS FED. AID PROJECT								
				SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.					