07-31-2020 LETTING ITEM 076

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	1
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	

STATE OF ILLINOIS

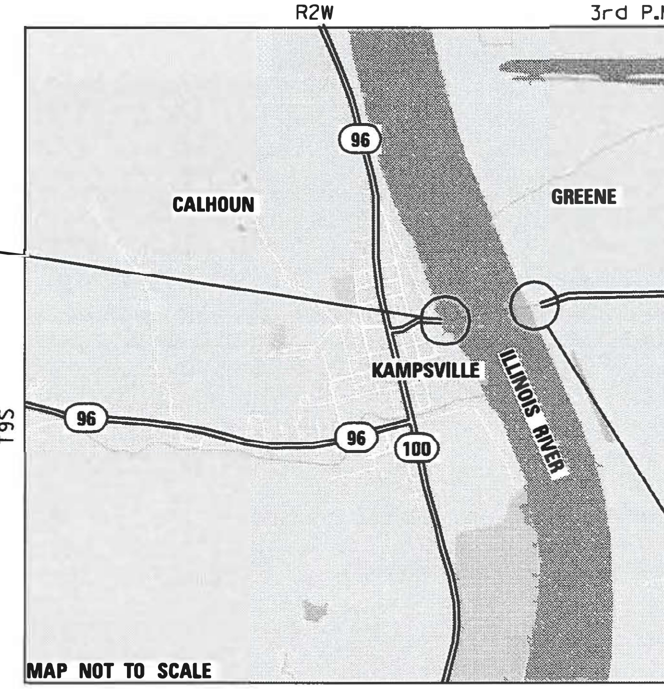
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 761 (IL 108)
SECTION 101I-6
FEDERAL PROJECT # FBP-I6MD(139)
SEA WALL AND DREDGING
CALHOUN COUNTY

C-98-248-18



GROSS LENGTH = 300.00 FT. = 0.057 MILE
NET LENGTH = 300.00 FT. = 0.057 MILE

2017 ADT = 600 (Actual)
2018 ADT = 600 (Estimated)
2038 ADT = 750 (Estimated)
SU = 15.0% MU = 5.0%

D-98-109-17

LOCATION OF SECTION INDICATED THUS: -

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

LICENSED PROFESSIONAL ENGINEER
RICHARD K. ALLENDER III
062-054436
STATE OF ILLINOIS

5-4-20
Expires: 11/30/2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 5, 20 20

REGIONAL ENGINEER

June 26, 2020

ENGINEER OF DESIGN AND ENVIRONMENT

June 26, 2020

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: TIFFANY BRASE (618) 346-3175
PROJECT MANAGER: PHIL FREIMUTH (618) 346-3194

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 76K91

REV. - MS

INDEX OF SHEETS

GENERAL NOTES

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
   *VILLAGE OF KAMPSVILLE – WATER & SANITARY SEWER (BURIED)
   *AMEREN ILLINOIS – GAS & ELECTRIC (AERIAL & BURIED)
   *FRONTIER COMMUNICATIONS – COMMUNICATIONS (AERIAL & BURIED)
   MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *.
   NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
3. ALL ELEVATIONS REFER TO THE NAVD88 DATUM.
4. ALL TURF AREAS DISTURNED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. THE FOLLOWING APPLICATION RATES HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
   AGGREGATE BASE COURSE: 2.05 TONS/CU YD
   STONE DUMPED RIPRAP: 1.50 TONS/CU YD

STANDARDS (IN PROPOSAL)

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
602306-03	INLET, TYPE B
604001-05	FRAME AND LIDS, TYPE 1
701901-08	TRAFFIC CONTROL DEVICES
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE

COMMITMENTS

1. NONE

REV. - MS

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design firm
no. 184001036

whks
engineers + planners + land surveyors

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	CHECKED - SDS	REVISED	
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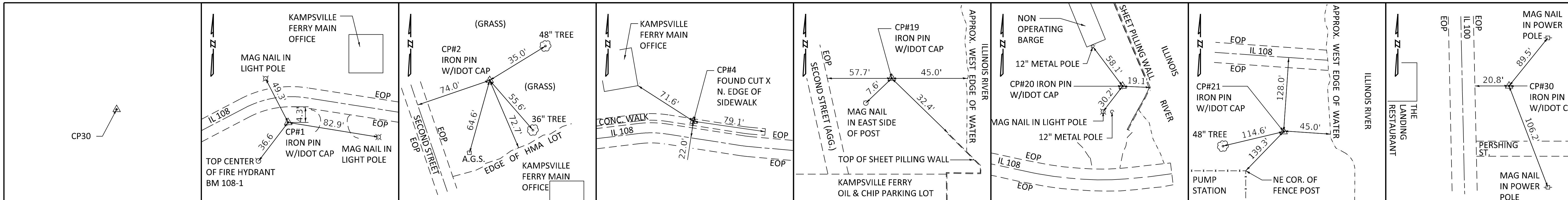
PLOT DATE = 5/1/2020	CHECKED - RKA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STANDARDS, GENERAL NOTES AND COMMITMENTS

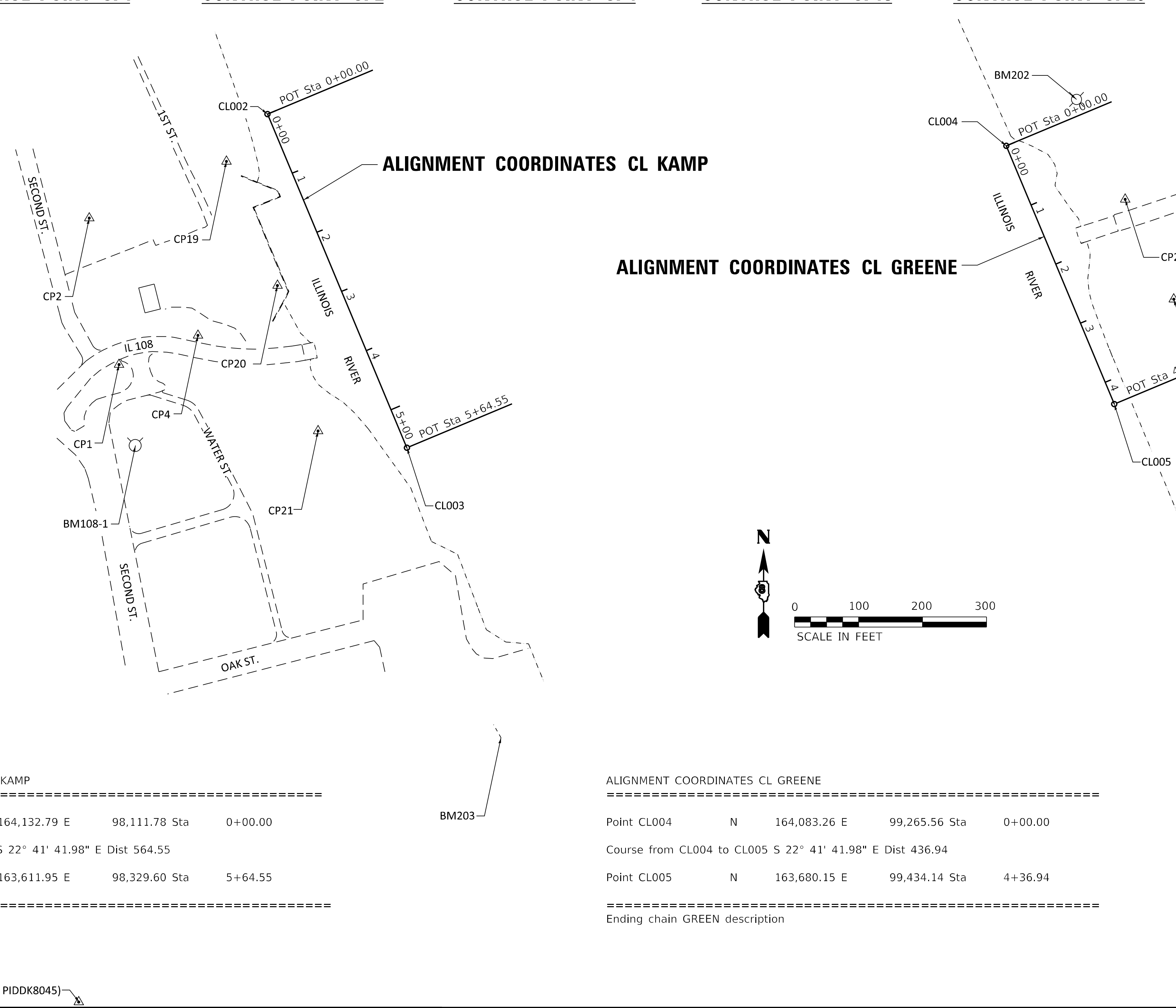
SCALE: 1" = 50' | SHEET 1 OF 1 SHEETS | STA. TO STA.

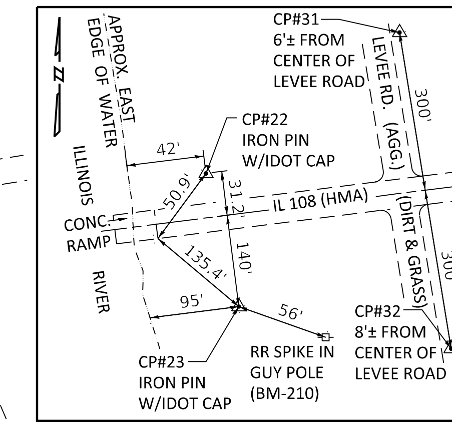
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	2
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



CONTROL POINT CP1 | CONTROL POINT CP2 | CONTROL POINT CP4 | CONTROL POINT CP19 | CONTROL POINT CP20 | CONTROL POINT CP21 | CONTROL POINT CP30

Point	North	East
CP1	163,741.7478	97,879.9376
Description : IRON PIN W ALUM CAP		
CP2	163,970.4204	97,833.4996
Description : IRON PIN W ALUM CAP		
CP4	163,787.3255	98,003.2724
Description : CUT X		
CP19	164,058.9784	98,047.7117
Description : IRON PIN W ALUM CAP		
CP20	163,865.1849	98,127.3278
Description : IRON PIN W ALUM CAP		
CP21	163,638.1850	98,190.7864
Description : IRON PIN W ALUM CAP		
CP22	163,999.7697	99,451.1916
Description : IRON PIN W ALUM CAP		
CP23	163,843.8444	99,524.1268
Description : IRON PIN W ALUM CAP		
CP30	164,526.3295	97,391.5871
Description : IRON PIN W ALUM CAP		
CP31	164,331.1669	99,596.0261
Description : IRON PIN W ALUM CAP		
CP32	163,788.2041	99,849.9560
Description : IRON PIN W ALUM CAP		
KAMPSVILLE	162,467.5206	97,833.5974
Description : SURVEY DISK PIDDK8045		





CONTROL POINT CP22, CP23, CP31, & CP32

BM 108-1: CUT X ON HEXBOLT ON FIRE HYDRANT ON SOUTH SIDE OF IL.108/MARQUETTE ST. IN MIDDLE OF BLOCK BETWEEN FIRST STREET AND SECOND STREET, SOUTH OF AND ACROSS FROM KAMPSVILLE FERRY OFFICE BUILDING, IN KAMPSVILLE.
MEASURED ELEVATION = 435.696'

BM 202: RAILROAD SPIKE IN SOUTH SIDE OF GUY POLE FOR OVERHEAD LIGHTS, ON NORTH SIDE OF THE EAST KAMPSVILLE FERRY RAMP, 160' NORTH OF RAMP, 30'± EAST OF THE EAST BANK OF THE ILLINOIS RIVER. REFERENCED IN "KAMPSVILLE FERRY LINE 2" WITH NAVD88 DATUM ORIGINATING SOURCE.
MEASURED ELEVATION = 425.408'

BM 203: CHISELED SQUARE ON TOP OF E END OF 18" DIA. CONCRETE PIPE NEAR NE CORNER OF BITUMINOUS BOAT RAMP PARKING LOT, ON THE LINE WITH DITCH ON N SIDE OF OAK ST. SOUTH OF KAMPSVILLE FERRY WEST RAMP, EXTENDING INTO THE ILLINOIS RIVER FROM THE WEST BANK, IN KAMPSVILLE. AS REFERENCED IN LINE 1.
MEASURED ELEVATION = 423.067'

BM 210: RR SPIKE DRIVEN IN SE SIDE OF POWER POLE, LOCATED ON THE NW CORNER OF THE INTERSECTION OF BROADWAY, A.K.A. IL RT. 100, AND OAK STREET, IN KAMPSVILLE.
MEASURED ELEVATION = 431.801'

KAMPSVILLE: NGS BM/HEIGHT MODERNIZATION POINT:
NAVD 88 DATUM, SECOND ORDER, SURVEY DISK MOUNTED ON A STAINLESS STEEL ROD, DRIVEN 10'+, IN A SLEEVE/CASING WITH LID, LOCATED IN KAMPSVILLE, IN THE NE QUAD AT THE INTERSECTION OF IL100 AND IL96. THE STATION IS 29.4 FEET NE OF THE CENTERLINE INTERSECTION OF IL100 AND IL96, 29 FEET NORTH OF THE CENTERLINE OF A SERVICE ROAD, 9 FEET SW OF THE SOUTHMOST CORNER OF A WING WALL, AND SOUTH OF A DITCH FLOWING INTO THE ILLINOIS RIVER. NGS (PID DK8045)
PUBLISHED ELEVATION = 433.35'

ALIGNMENT COORDINATES CL KAMP
===

Point CL002 N 164,132.79 E 98,111.78 Sta 0+00.00

Course from CL002 to CL003 S 22° 41' 41.98" E Dist 564.55

Point CL003 N 163,611.95 E 98,329.60 Sta 5+64.55

===
Ending chain KAMP description

ALIGNMENT COORDINATES CL GREENE
===

Point CL004 N 164,083.26 E 99,265.56 Sta 0+00.00

Course from CL004 to CL005 S 22° 41' 41.98" E Dist 436.94

Point CL005 N 163,680.15 E 99,434.14 Sta 4+36.94

===
Ending chain GREEN description

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design firm no. 184001036

whks engineers • planners • land surveyors

USER NAME = SOPERATORS	DESIGNED - RKA	REVISED
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PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	3
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE RETAINING WALL 0044 SN 007-W001
20300100	CHANNEL EXCAVATION	CU YD	15056	15056
20800150	TRENCH BACKFILL	CU YD	1.6	1.6
21400100	GRADING AND SHAPING DITCHES	FOOT	100	100
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	710	710
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	425	425
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50105220	PIPE CULVERT REMOVAL	FOOT	96	96
50200100	STRUCTURE EXCAVATION	CU YD	2900	2900
50200300	COFFERDAM EXCAVATION	CU YD	675	675
50300225	CONCRETE STRUCTURES	CU YD	69.6	69.6
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	38720	38720
50500505	STUD SHEAR CONNECTORS	EACH	700	700
50800105	REINFORCEMENT BARS	POUND	33940	33940

REV. - MS

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PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED	

SUMMARY OF QUANTITIES

SCALE: 1" = 50' | SHEET 1 OF 3 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	4
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE RETAINING WALL 0044 SN 007-W001
51500100	NAME PLATES	EACH	1	1
51602000	PERMANENT CASING	FOOT	351	351
* 51603000	DRILLED SHAFT IN SOIL	CU YD	86.2	86.2
* 51604000	DRILLED SHAFT IN ROCK	CU YD	21.4	21.4
52200015	PERMANENT SHEET PILING	SQ FT	5330	5330
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	169	169
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	14	14
67100100	MOBILIZATION	L SUM	1	1
X0323569	STEEL POST REMOVAL	EACH	1	1
X0326232	FENDER SYSTEM	L SUM	1	1
X0327780	FIBERGLASS REINFORCED POLYESTER RAILING	FOOT	64	64
X0327782	FIBERGLASS REINFORCED POLYESTER STAIR AND GRATING SYSTEM	SQ FT	230	230
X0900083	PERMANENT STEEL SHEET PILING, SPECIAL	SQ FT	5413	5413

* SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE RETAINING WALL 0044 SN 007-W001
	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	3400	3400
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
*	Z0054400	ROCK FILL	CU YD	1530	1530
	Z0065000	SETTING PILES IN ROCK	EACH	12	12
	Z0077803	REMOVE WOOD POST	EACH	1	1
Ø	Z0076600	TRAINEES	HOUR	1000	1000
	51210001	FURNISHING STEEL PILES W24 X 176	FOOT	365	365
Ø	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000
	51210002	FURNISHING STEEL PILES W24 X 250	FOOT	125	125

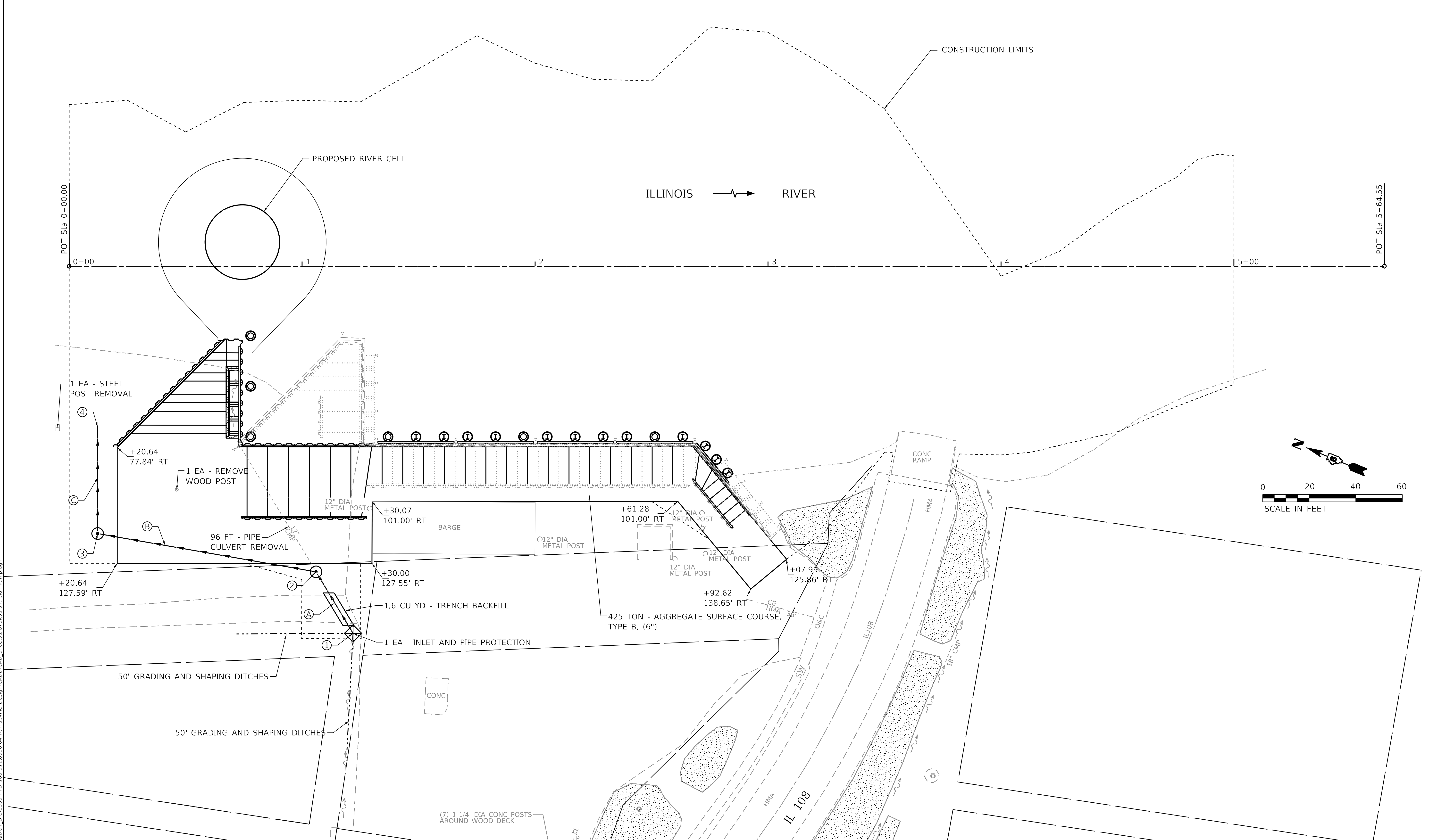
* SPECIALTY ITEM

Ø 0042

REV. - MS

STRUCTURE NO.	STA.	OFFSET FT.	STRUCTURE TYPE	RIM	INVERTS	
1	1+21.88	157.70' RT	OPEN PIPE	N/A	NE 427.5	
2	1+05.98	131.24' RT	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	429.5	SW 427.2	N 427.1
3	0+12.23	114.82' RT	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	428.0	S 426.1	E 426.0
4	0+12.23	69.02' RT	OPEN PIPE	N/A	W 425.5	

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD	US INV	DS INV
A	1	2	STORM SEWERS, CLASS B, TYPE 1 12"	30	1.00		427.5	427.2
B	2	3	STORM SEWERS, CLASS B, TYPE 1 12"	94	1.06		427.1	426.1
C	3	4	STORM SEWERS, CLASS B, TYPE 1 12"	45	1.11		426.0	425.5



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design firm no. 184001036
whks engineers • planners • land surveyors

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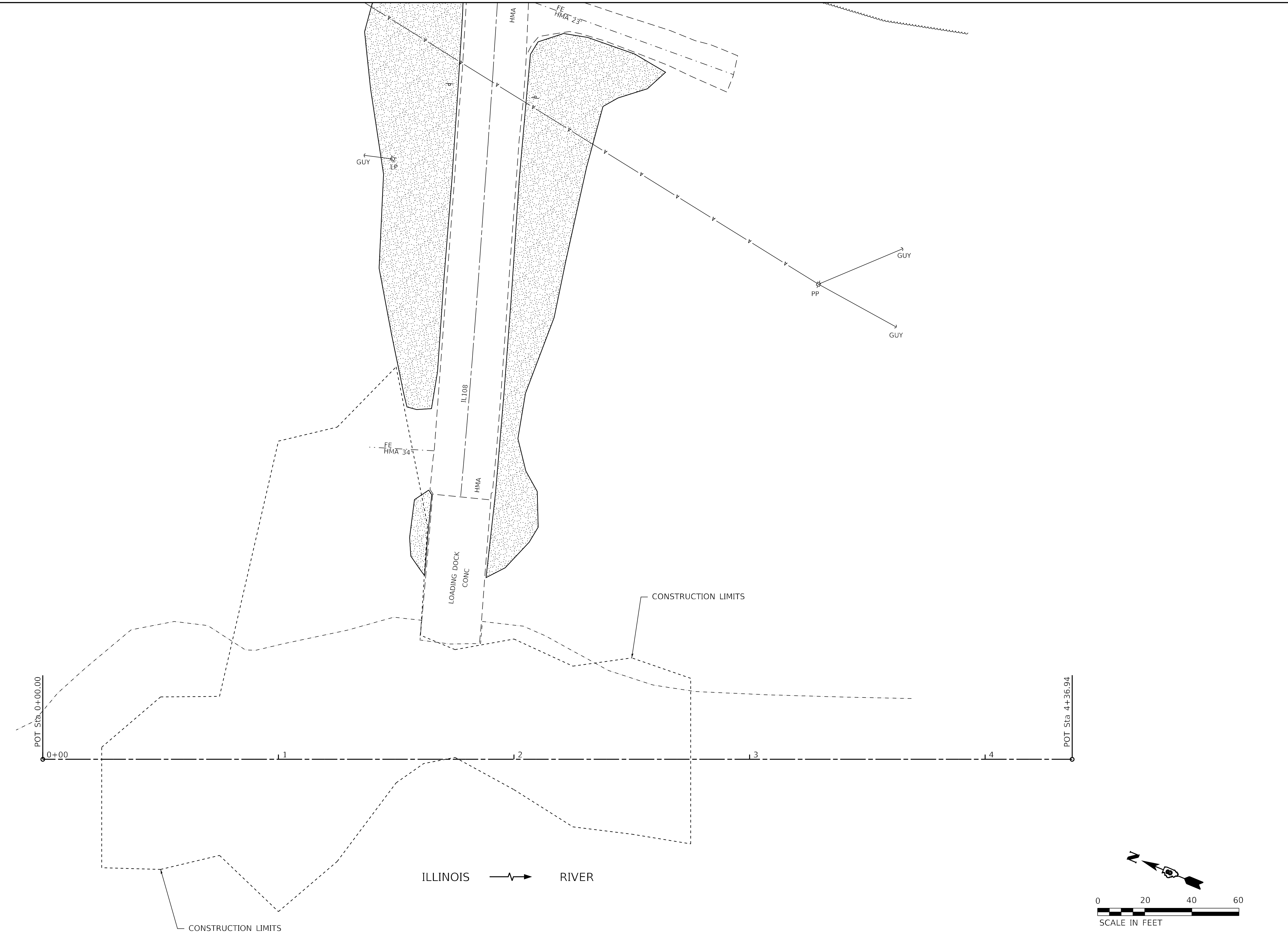
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS
CALHOUN COUNTY

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	7
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS
GREENE COUNTY

SCALE: 1" = 20' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	8
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		

MODEL: Default

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PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AERIAL PLAN SHEETS
CALHOUN COUNTY

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	9
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		

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design firm
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PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AERIAL PLAN SHEETS
GREENE COUNTY

SCALE: 1" = 20' | SHEET 2 OF 2 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	10

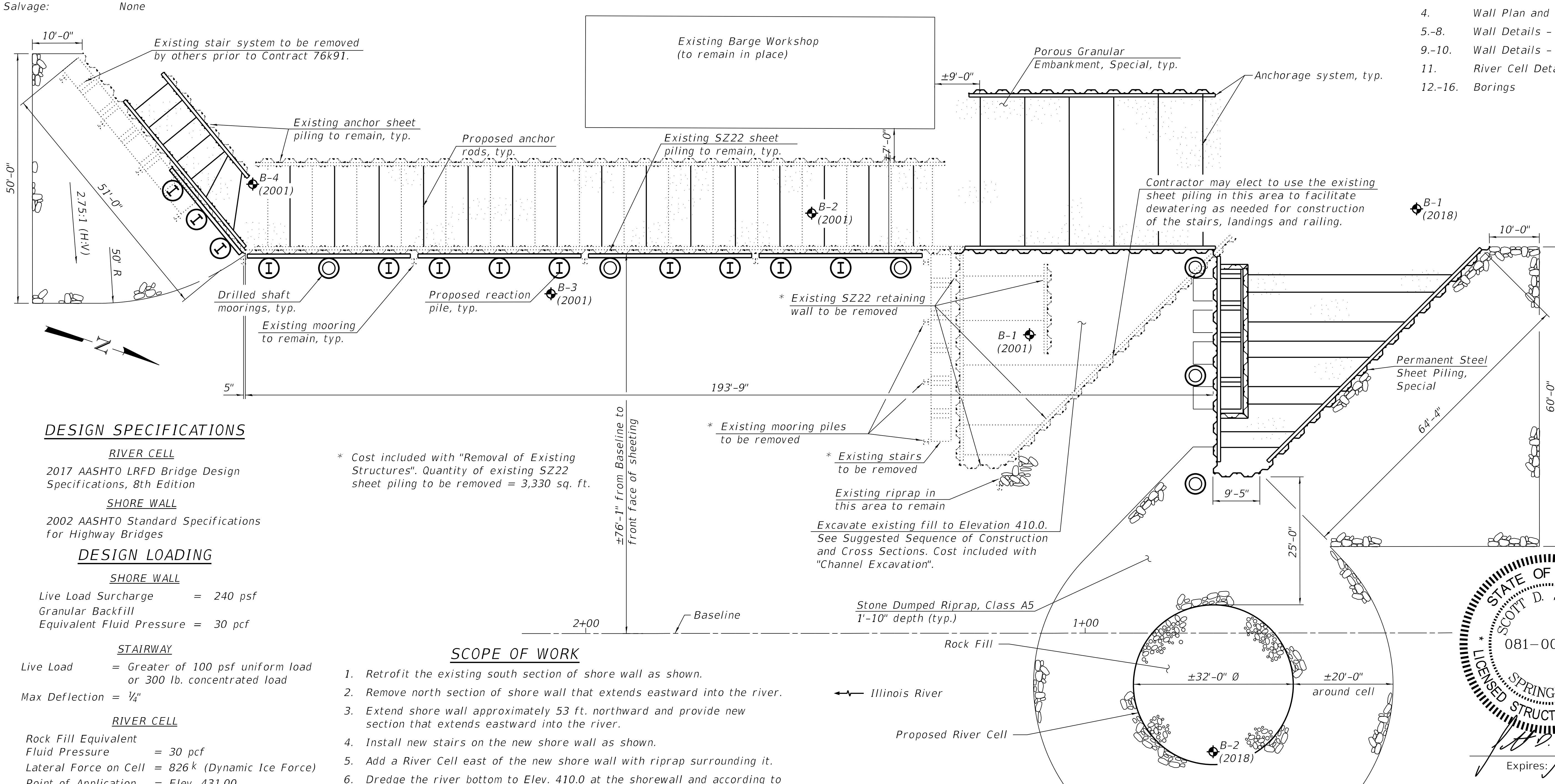
* CALHOUN & GREENE | ILLINOIS | CONTRACT NO. 76K91

Benchmark: BM 203: Chiseled "□" on top of E end of 18" Dia. concrete pipe near NE corner of bituminous boat ramp parking lot, on line with ditch on north side of Oak St., south of Kampsville Ferry west ramp, extending into the Illinois River from the west bank, in Kampsville. Elevation = 423.067'

Existing Structure: SN 007-W001, Ferry Harbor consisting of steel sheet piling with deadman anchorage system and two cantilever walkways. Built as F.A.P. Rte. 761 Sec. 1011-4 Sta. 3287+50 in 2004. Ferry traffic to be maintained during construction.

Salvage: None

INDEX OF SHEETS



PLAN

* Cost included with "Removal of Existing Structures". Quantity of existing SZ22 sheet piling to be removed = 3,330 sq. ft.

DESIGN SPECIFICATIONS

RIVER CELL

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

SHORE WALL

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN LOADING

SHORE WALL

Live Load Surcharge = 240 psf
Granular Backfill Equivalent Fluid Pressure = 30 pcf

STAIRWAY

Live Load = Greater of 100 psf uniform load or 300 lb. concentrated load
Max Deflection = ¼"

RIVER CELL

Rock Fill Equivalent Fluid Pressure = 30 pcf
Lateral Force on Cell = 826 k (Dynamic Ice Force)
Point of Application = Elev. 431.00

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)

f'c = 3,500 psi (Concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Sheet Piling)
Fu = 150,000 psi ASTM A722 (Anchor Rods)
fy = 50,000 psi (AASHTO M270, Grade 50)

FIELD UNITS (EXISTING 2003 CONSTRUCTION)

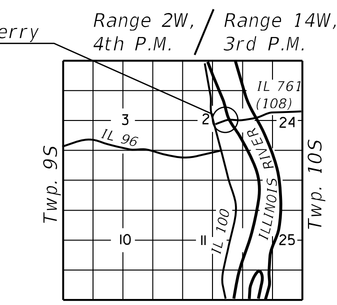
f'c = 38,500 psi (Sheet Piling)
fy = 50,000 psi AASHTO M270, Grade 50W (Structural Steel)
Fu = 60,000 psi ASTM A307 (Anchor Rods)

SCOPE OF WORK

1. Retrofit the existing south section of shore wall as shown.
2. Remove north section of shore wall that extends eastward into the river.
3. Extend shore wall approximately 53 ft. northward and provide new section that extends eastward into the river.
4. Install new stairs on the new shore wall as shown.
5. Add a River Cell east of the new shore wall with riprap surrounding it.
6. Dredge the river bottom to Elev. 410.0 at the shorewall and according to the cross-sections

BORING TABLE

Item	Station	Offset
B-1 (2001)	1+11.12	59.78 Rt.
B-2 (2001)	1+54.74	84.16 Rt.
B-3 (2001)	2+06.96	68.05 Rt.
B-4 (2001)	2+66.67	90.07 Rt.
B-1 (2018)	0+33.60	84.94 Rt.
B-2 (2018)	0+74.39	23.77 Lt.



LOCATION SKETCH

STATE OF ILLINOIS SCOTT D. SANFORD 081-005468 LICENSED STRUCTURAL ENGINEER SPRINGFIELD
5-4-20
Expires: 11/30/2020

APPROVED For Structural Adequacy Only
Engineer of Bridges & Structures

GENERAL PLAN
F.A.I. RT. 761 (IL 108)
KAMPSVILLE FERRY HARBOR
ILLINOIS RIVER AT KAMPSVILLE
PUBLIC WATERS
SECTION 1011-6
CALHOUN COUNTY
STA. 3287+50.00
STRUCTURE NO. 007-W001

design firm no. 184001036
whks engineers • planners • land surveyors

USER NAME = gjameson	DESIGNED - BJF/CEH	REVISED
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PLOT DATE = 5/4/2020	CHECKED - SDS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 007-W001
SHEET NO. 1 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	1011-6	CALHOUN	45	11

CONTRACT NO. 76K91
ILLINOIS FED. AID PROJECT

LAST SAVED DATE: 5/4/2020
FILE NAME: *DGN-SPEC*

LAST SAVED DATE: $LASTSAVEDDATE$

GENERAL NOTES

1. Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized. Bolts ⅞" Ø, holes 15/16" Ø, unless otherwise noted.
2. All structural steel shall be AASHTO M270 Grade 50 steel except as noted.
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Plan dimensions and details relative to 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 of 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.
6. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
7. The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
8. Sheet Piling dimensions, alcove dimensions, and anchor spacing for the retaining wall are based on SZ22 sheet piling. These may be adjusted in the field based on the actual sheet piling section selected by the contractor.
9. The sheet piling for the retaining wall shall have a minimum section modulus of 19.3 cu. in./ft. and shall be paid for as "Permanent Steel Sheet Piling, Special".
10. The sheet piling for the river cell shall be PS 27.5 and shall be paid for as "Permanent Sheet Piling".
11. It shall be the responsibility of the contractor to divert the stream flow during construction, if necessary, to keep the construction areas free of water. The method of diversion shall be subject to the approval of the Engineer and the cost shall be included in "Permanent Steel Sheet Piling, Special".
12. The Permanent Casing shall be produced by the spiral welding method.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Channel Excavation	Cu. Yd.	15,056
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	2,900
Stone Dumped Riprap, Class A5	Tons	710
Cofferdam Excavation	Cu. Yd.	675
Concrete Structures	Cu. Yd.	69.6
Furnishing and Erecting Structural Steel	Pound	38,720
Stud Shear Connectors	Each	700
Reinforcement Bars	Pound	33,940
Name Plates	Each	1
Permanent Casing	Foot	351
Permanent Sheet Piling	Sq. Ft.	5,330
Drilled Shaft in Soil	Cu. Yd.	86.2
Drilled Shaft in Rock	Cu. Yd.	21.4
Furnishing Steel Piles W24 x 176	Foot	365
Furnishing Steel Piles W24 x 250	Foot	125
Setting Piles in Rock	Each	12
Fender System	L. Sum	1
Porous Granular Embankment, Special	Cu. Yd.	3,400
Rock Fill	Cu. Yd.	1,530
Fiberglass Reinforced Polyester Railing	Foot	64
Fiberglass Reinforced Polyester Stair and Grating System	Sq. Ft.	230
Permanent Steel Sheet Piling, Special	Sq. Ft.	5,413

WATER SURFACE ELEVATIONS

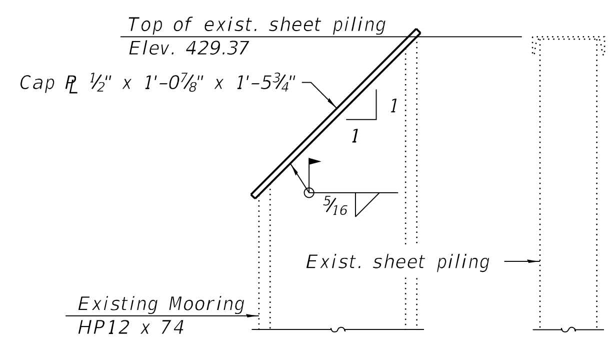
	Flood Event	Elevation A
	Record Low	419.85
	2 Year	428.10
	10 Year	435.39
*	50 Year	439.85
	100 Year	441.04
**	200 Year	442.14
	500 Year	444.22

* Design Flood, V=3.20 ft/sec.

** Check Flood, V=3.36 ft/sec.

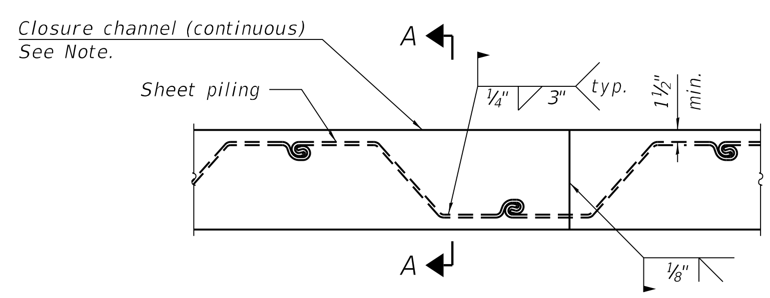
SUGGESTED SEQUENCE OF CONSTRUCTION

1. Excavate behind existing wall to Elev. 423.87 as needed to install proposed wales, rods and hardware.
2. Drill and install W24 x 176 and W24 x 250 Reaction Piles in front of existing wall.
3. Install proposed W10 x 49 wale at Elev. 415.0. and install Reaction Pile Spacers.
4. Install permanent steel casings and construct the drilled shaft moorings in front of the existing wall.
5. Install proposed sheet piling and anchor sheet piling for proposed wall.
6. Complete the excavation behind the existing wall and excavate behind proposed wall and install proposed anchor rods and associated hardware. Place Porous Granular Embankment, Special behind existing and proposed walls.
7. Remove portion of existing wall, moorings and stairs as indicated.
8. Construct permanent steel casings and construct drilled shafts for the proposed moorings in front of the new wall.
9. Construct stairs, landings, and railings.
10. Backfill behind existing and proposed walls.
11. Construct River Cell.
12. Dredge river bottom to Elev. 410.0 in front of wall and within dock area. See cross-sections.
13. Place rirprap at north and south ends of wall and around river cell.



EXISTING MOORING CUTOFF DETAIL

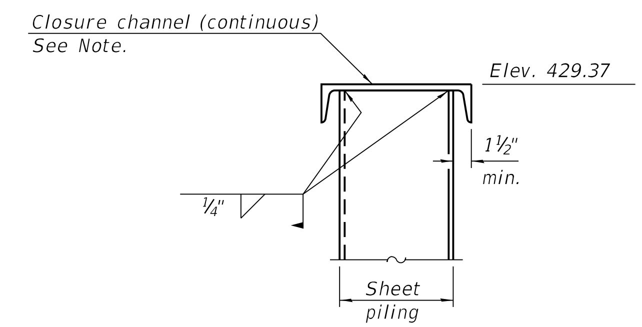
Cost included with "Furnishing and Erecting Structural Steel". Quantity of existing HP12 x 74 moorings to be cut off = 212 lin. ft.



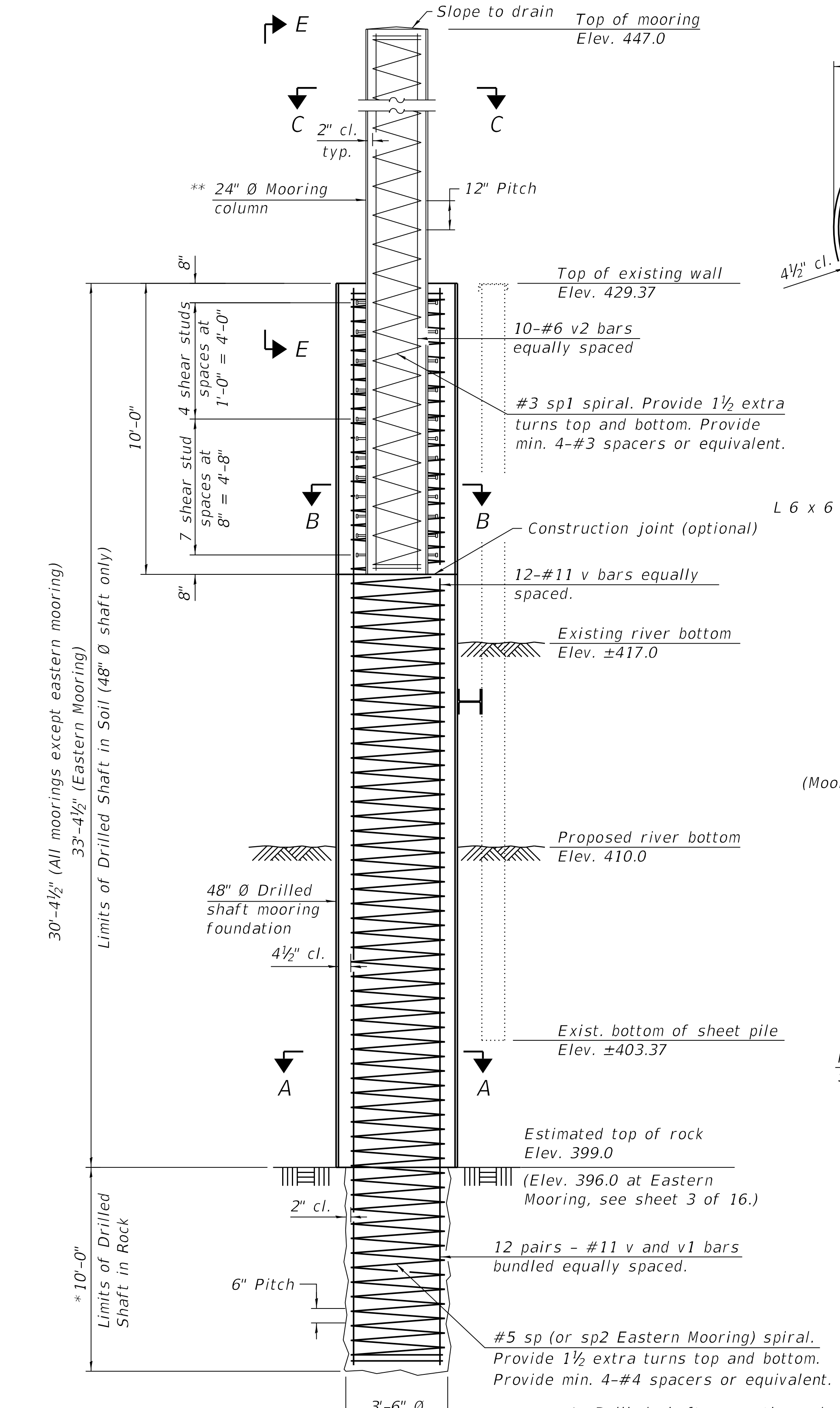
TYPICAL PLAN AT TOP OF PROPOSED SHEET PILING

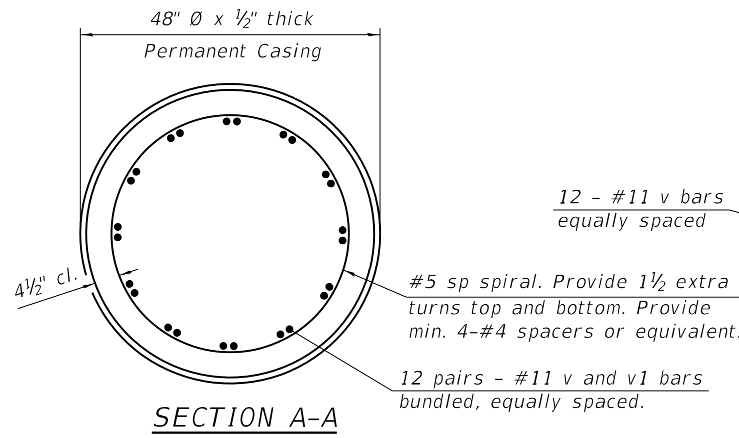
Note:

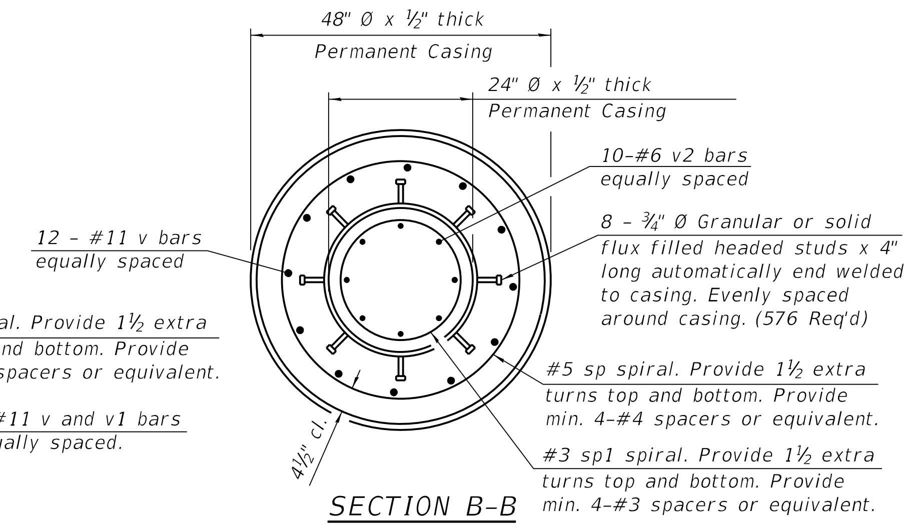
Channel size to be determined based on chosen section of sheet piling. Details shall be submitted with shop drawings.

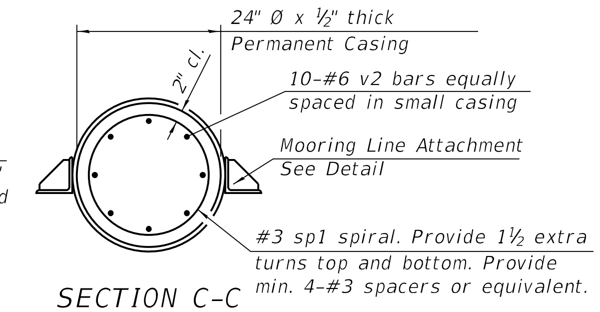


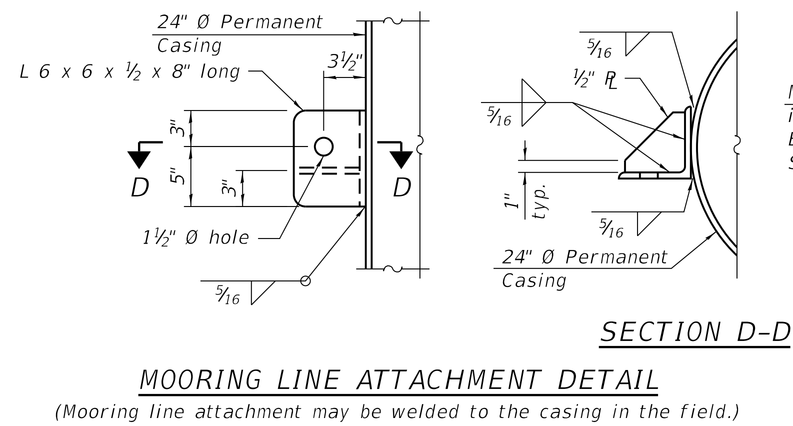
SECTION A-A

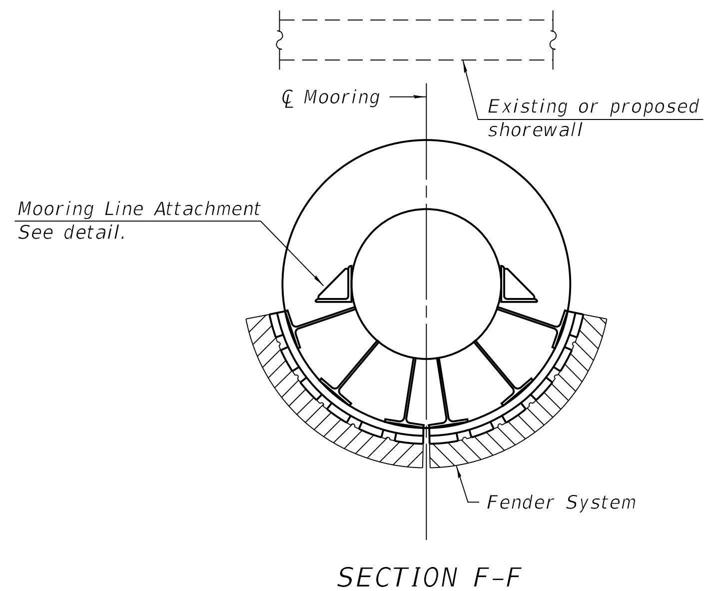


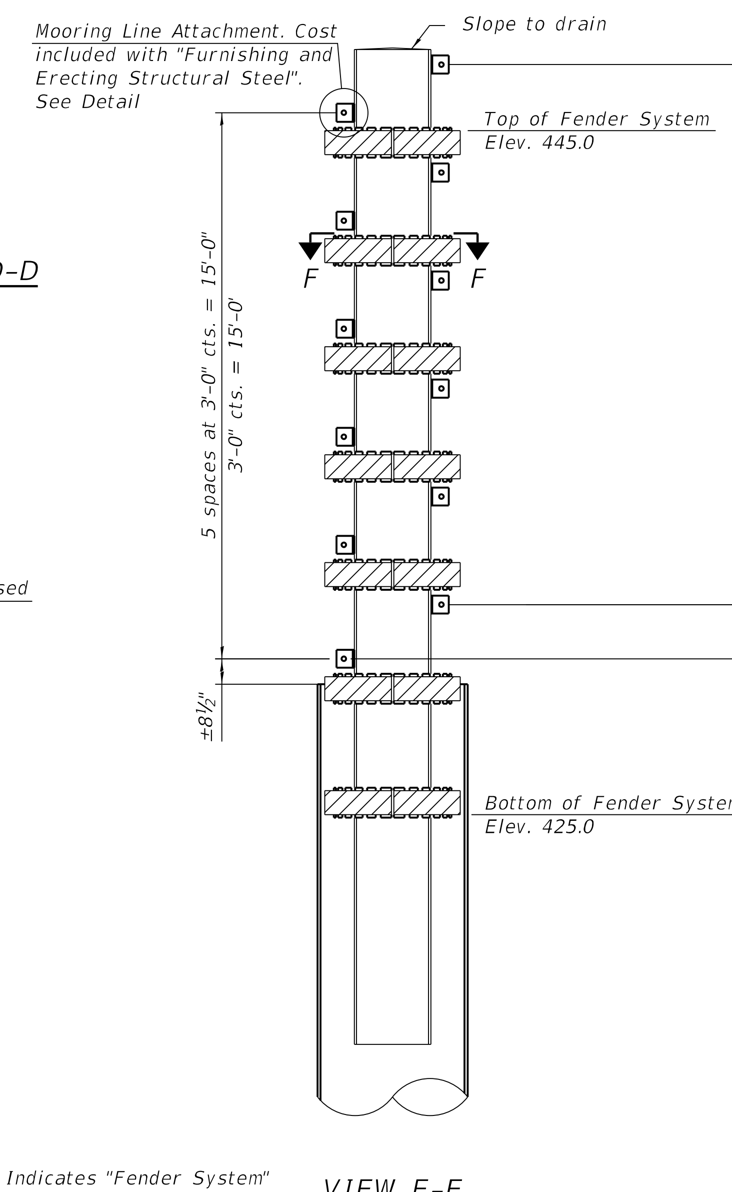












MOORING DETAIL

* Drilled shaft excavations shall be backfilled with concrete as soon as possible and in no case shall a shaft excavation in rock be left open overnight.

** Concrete for 24" dia. Mooring column is paid for as "Concrete Structures".

Indicates "Fender System" See Special Provisions.

EASTERN MOORING BILL OF MATERIAL

Bar	No.	Size	Length	Shape
sp1	1	#3	27'-3'	/\/\/\/\
sp2	1	#5	43'-0'	/\/\/\/\
v	12	#11	43'-0"	——
v1	12	#11	24'-0"	——
v2	10	#6	27'-5"	——

Concrete Structures	Cu. Yd.	3.2
Furnishing and Erecting Structural Steel	Lb.	180
Stud Shear Connectors	Each	96
Reinforcement Bars	Lb.	5,700
Drilled Shafts in Rock	Cu. Yd.	3.4
Drilled Shafts in Soil	Cu. Yd.	15.5
Permanent Casing	Foot	61

ALL OTHER MOORINGS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
sp	5	#5	40'-0"	/\/\/\/\
sp1	5	#3	27'-3'	/\/\/\/\
v	60	#11	40'-0'	——
v1	60	#11	21'-0"	——
v2	50	#6	27'-5"	——

Concrete Structures	Cu. Yd.	16.0
Furnishing and Erecting Structural Steel	Lb.	880
Stud Shear Connectors	Each	480
Reinforcement Bars	Lb.	26,230
Drilled Shafts in Rock	Cu. Yd.	18.0
Drilled Shafts in Soil	Cu. Yd.	70.7
Permanent Casing	Foot	290

SHORE WALL BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu. Yd.	2,900
Stone Dumped Riprap, Class A5	Tons	340
Furnishing and Erecting Structural Steel	Pound	37,660
Furnishing Steel Piles W24 x 176	Foot	365
Furnishing Steel Piles W24 x 250	Foot	125
Setting Piles in Rock	Each	12
Porous Granular Embankment, Special	Cu. Yd.	3,400
Permanent Steel Sheet Piling, Special	Sq. Ft.	5,413

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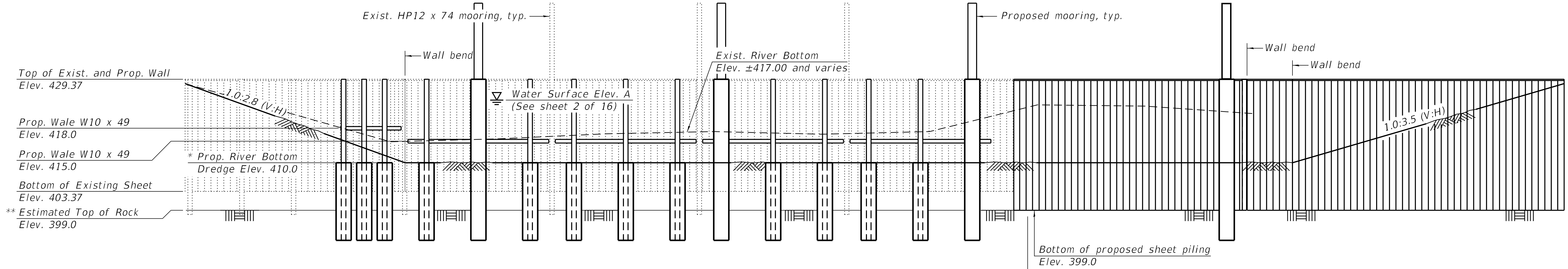


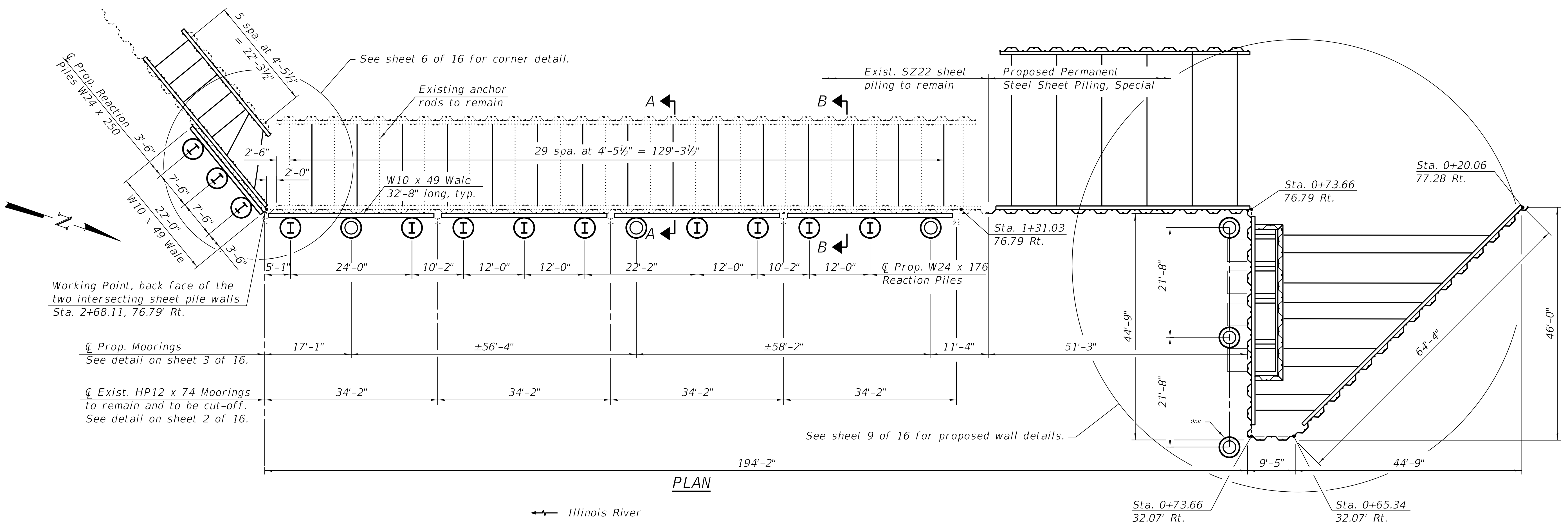
* Dredging of river bottom shall be done only after complete construction of the existing wall modifications and the proposed wall is complete. Cost of river dredging is included with "Channel Excavation".

** Estimated top of rock elevation is 399.0 for all Moorings and Soldier Piles except the eastern most mooring near the river cell. At that mooring, the estimated top of rock elevation is 396.0

ELEVATION
(Looking West)

Note:

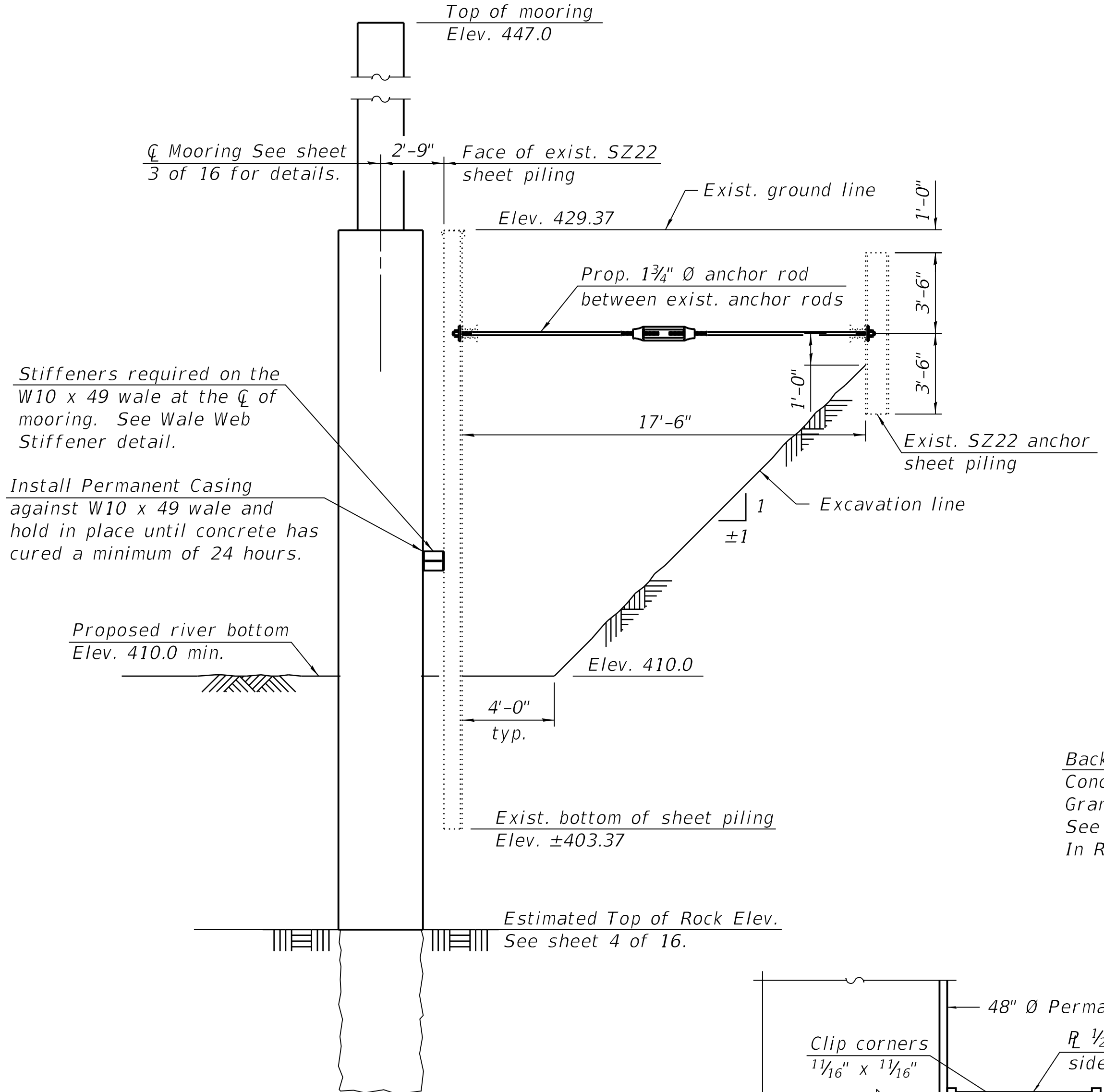
For Sections A-A and B-B see sheet 5 of 16.



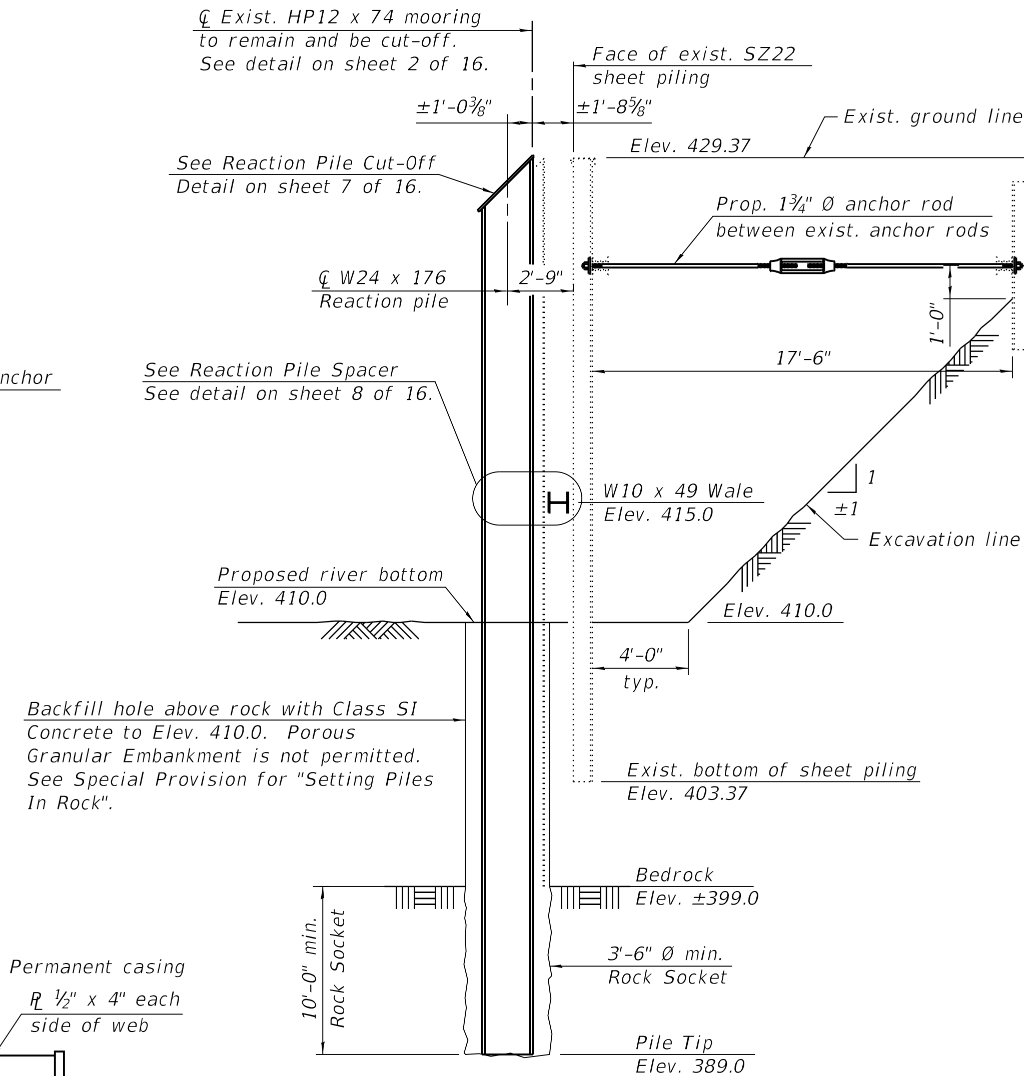
PLAN

design firm no. 184001036	whks engineers • planners • land surveyors	USER NAME = gjameson	DESIGNED - BJF/CEH	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALL PLAN AND ELEVATION STRUCTURE NO. 007-W001	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		FILE NAME = SN 007-W001.dgn	CHECKED - SBC	REVISED			761	1011-6	CALHOUN	45	14
		PLOT SCALE = 0:2 ':" / in.	DRAWN - DLH	REVISED					CONTRACT NO. 76K91		
		PLOT DATE = 5/4/2020	CHECKED - SDS	REVISED		SHEET NO. 4 OF 16 SHEETS			ILLINOIS FED. AID PROJECT		

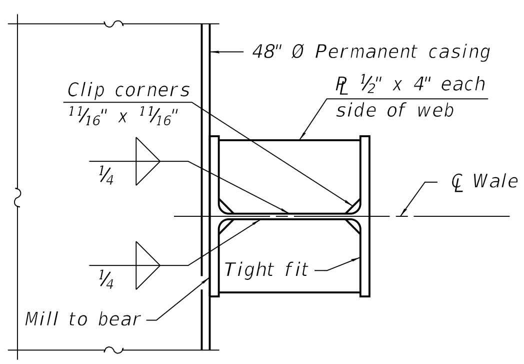
FILE NAME: *DGN-SPEC*



SECTION A-A



SECTION B-B



WALE WEB STIFFENER DETAIL

Notes:

1. Excavation behind existing wall is paid for as "Structure Excavation".
2. Excavation behind existing anchor sheet pile shall only be as required to install anchor rods. Backfill with excavated material per Section 502.10 of The Standard Specifications. Cost included with "Furnishing and Erecting Structural Steel"..
3. After installation of proposed wales, reaction piles, reaction pile spacers, and anchor rods, backfill behind the existing wall with Porous Granular Embankment, Special.
4. Reaction Pile Spacers, wales, anchor rods, and anchor hardware are included with "Furnishing and Erecting Structural Steel".

LAST SAVED DATE: 5/4/2020

FILE NAME: *DGN-SPEC*

design firm no. 184001036

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FILE NAME = SN 007-W001.dgn	CHECKED - SBC	REVISED
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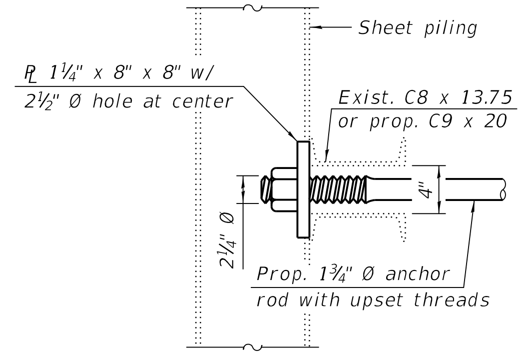
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALL DETAILS
STRUCTURE NO. 007-W001

SHEET NO. 5 OF 16 SHEETS

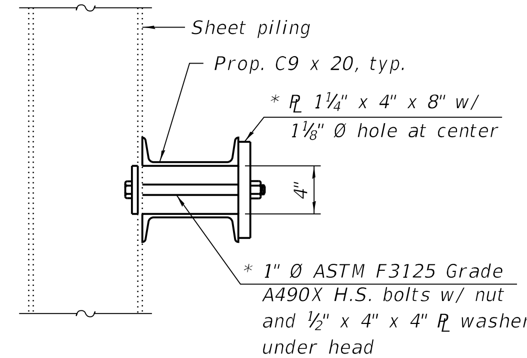
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	1011-6	CALHOUN	45	15
		CONTRACT NO. 76K91		
		ILLINOIS FED. AID PROJECT		

LAST SAVED DATE: 5/4/2020



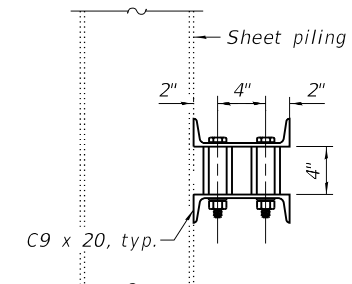
SECTION A-A

(Showing connection at front sheet piling. Connection at anchor sheet piling is the same)



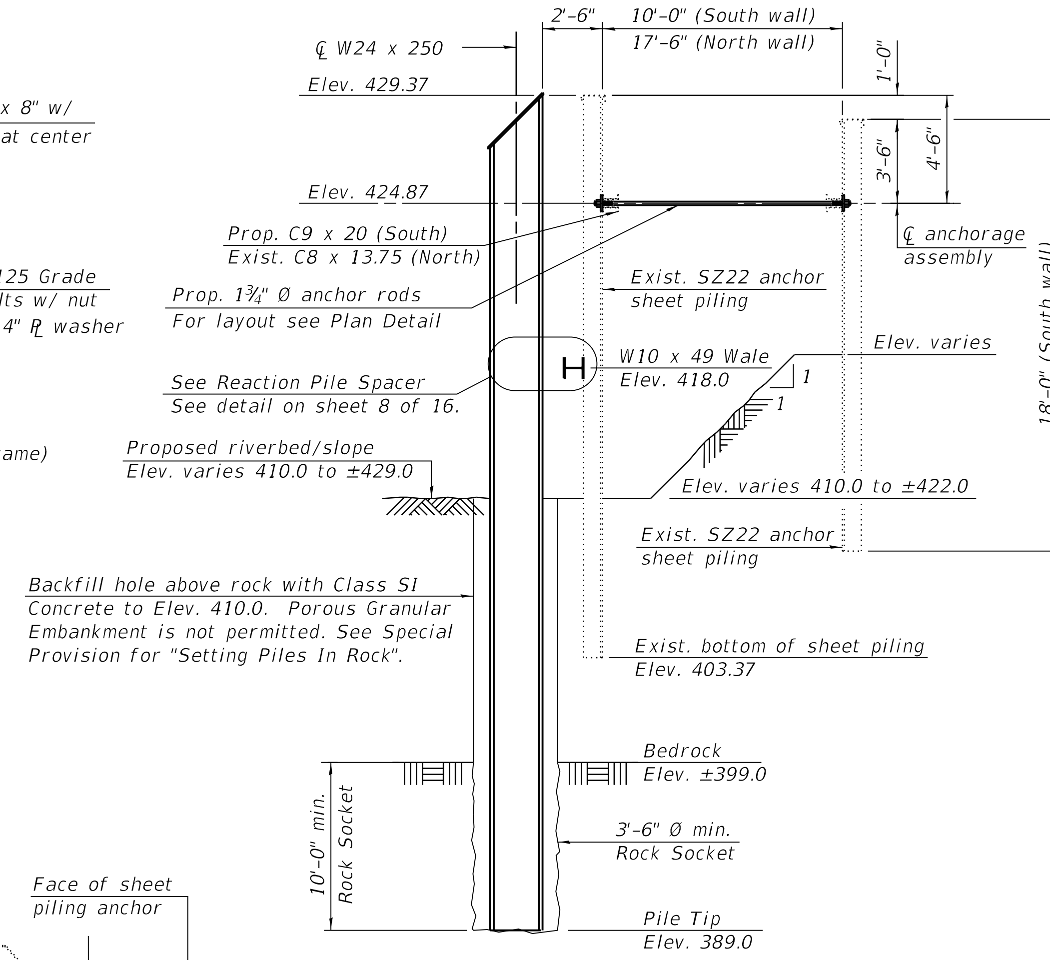
SECTION B-B

(Showing connection at front sheet piling. Connection at anchor sheet piling is the same)

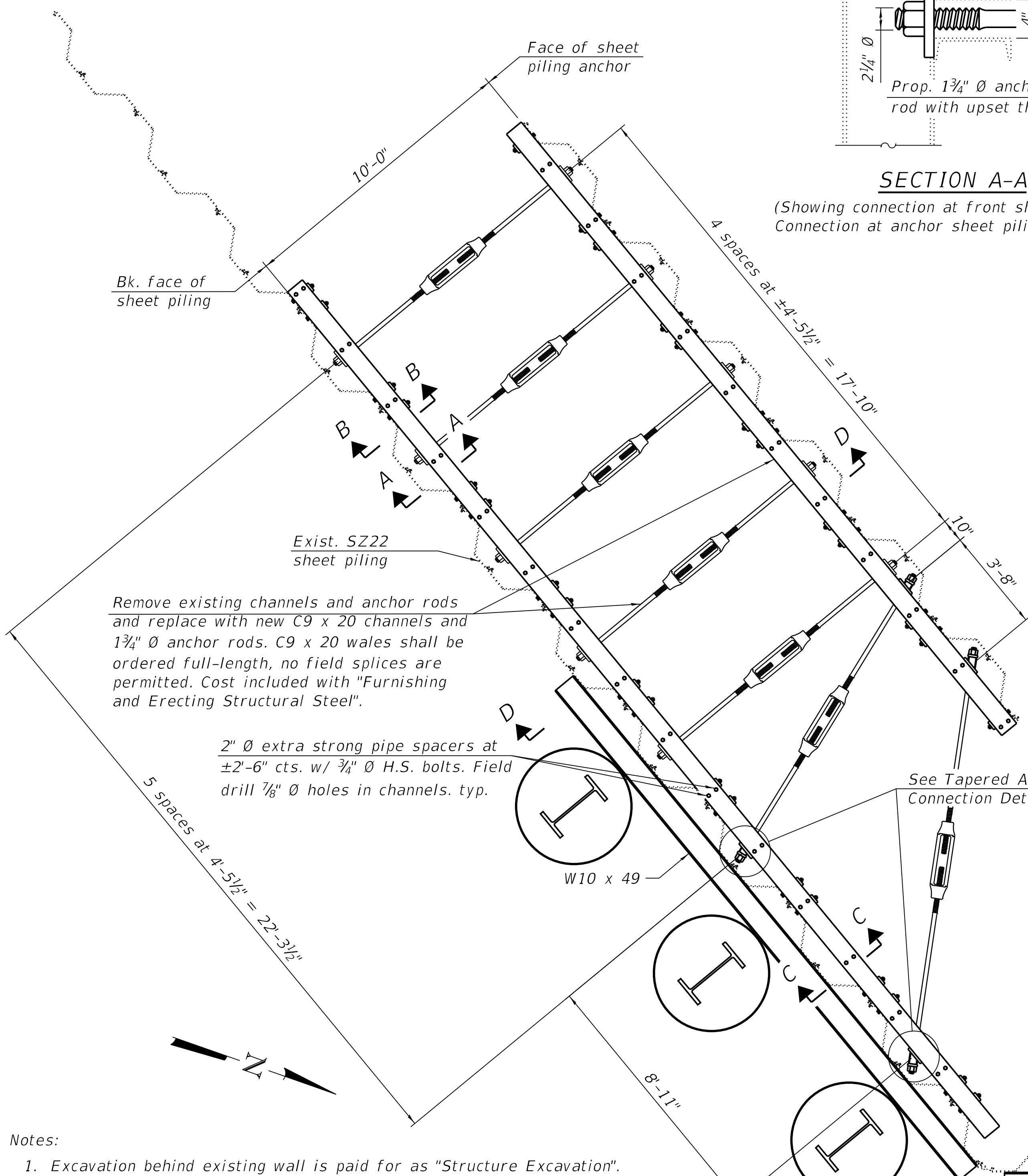


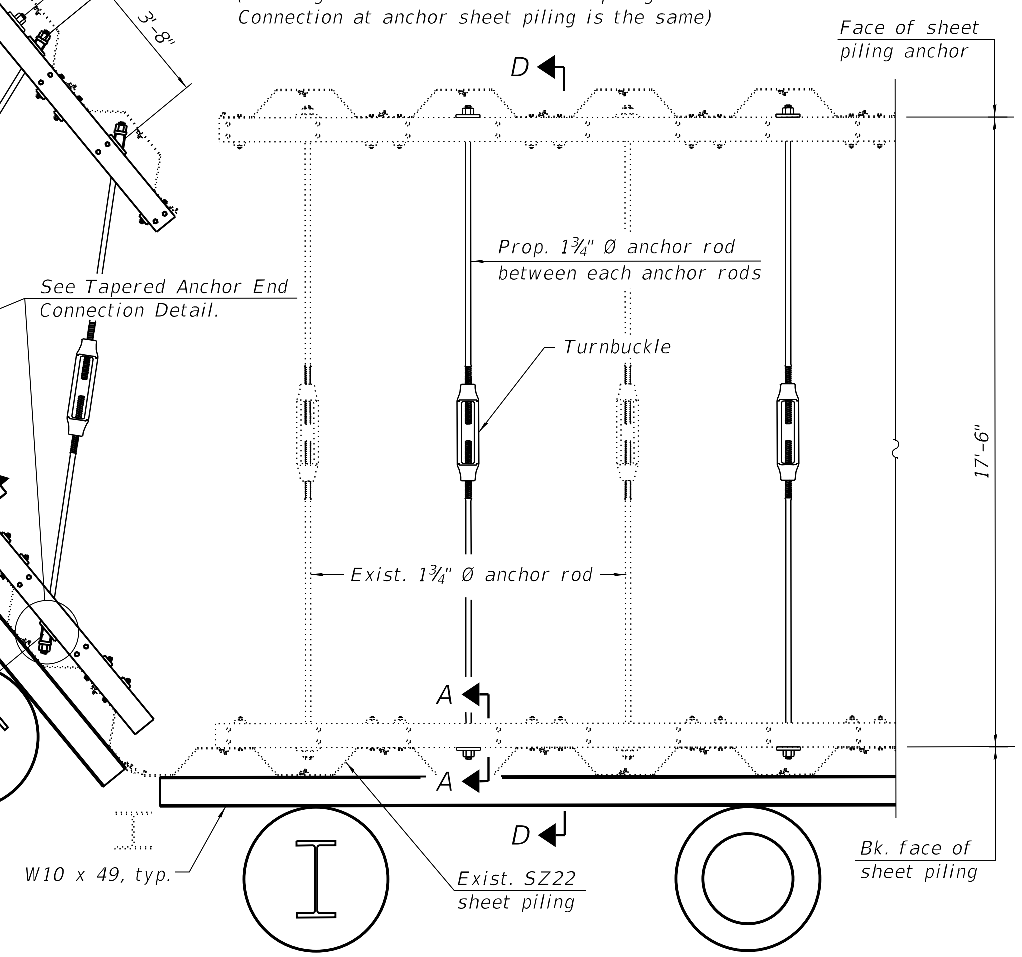
SECTION C-C

(Showing connection at front sheet piling. Connection at anchor sheet piling is the same)

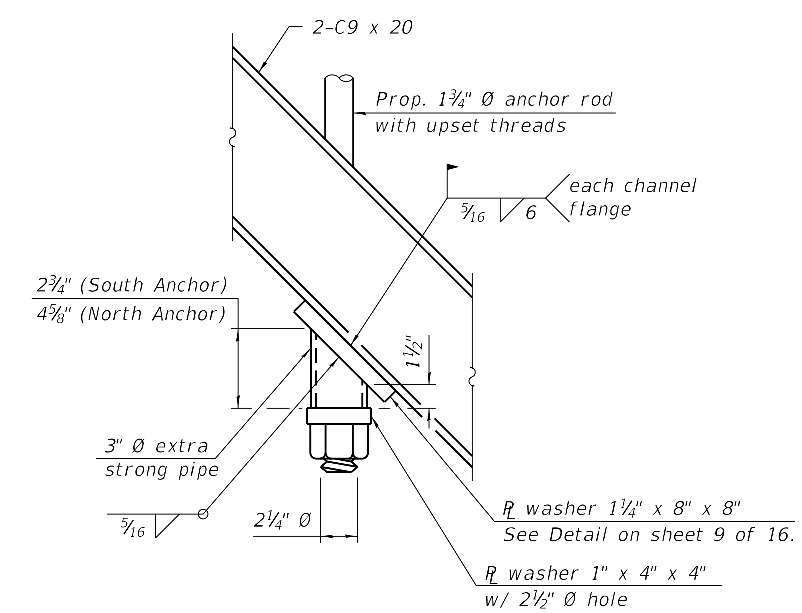


SECTION D-D





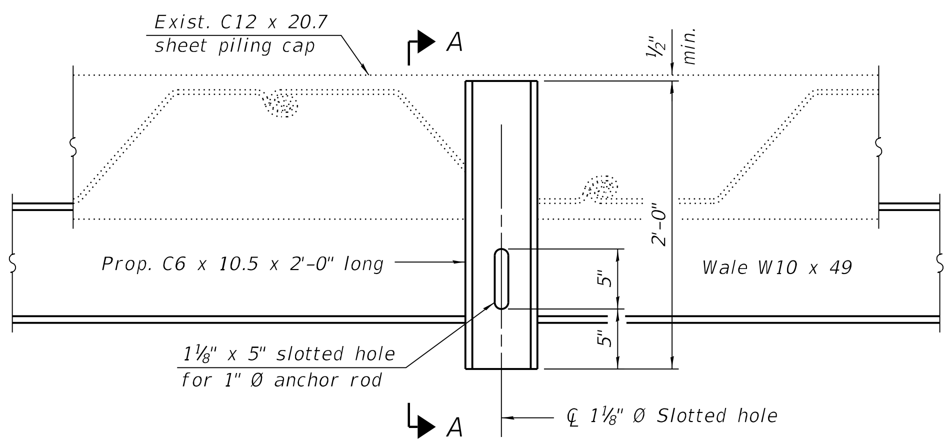
PLAN DETAIL



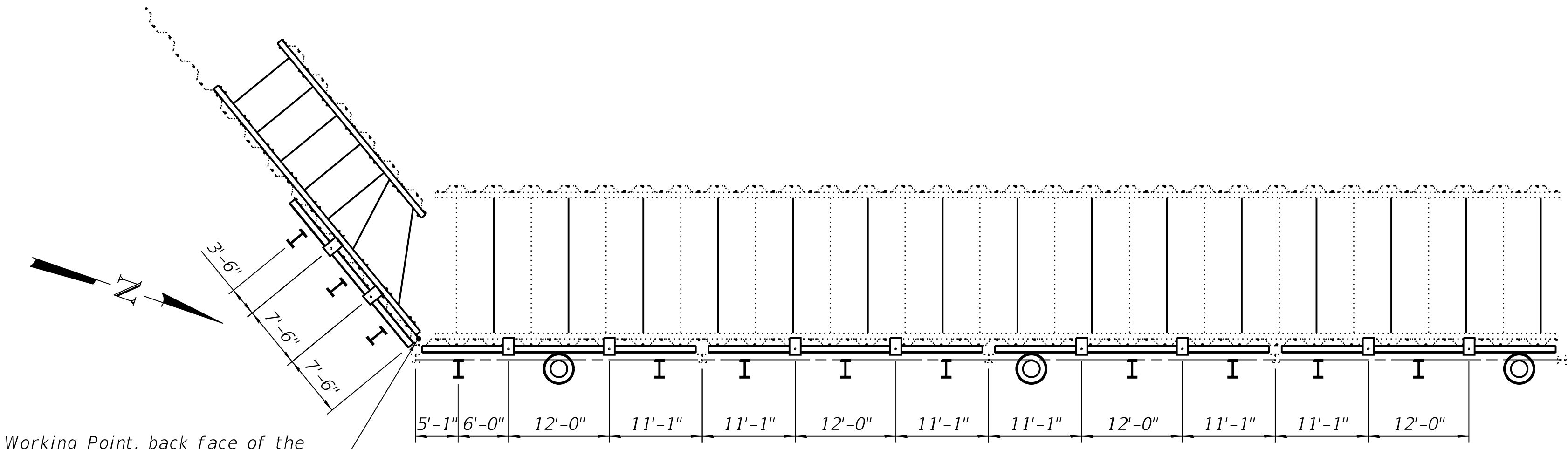
TAPERED ANCHOR END CONNECTION

Notes:

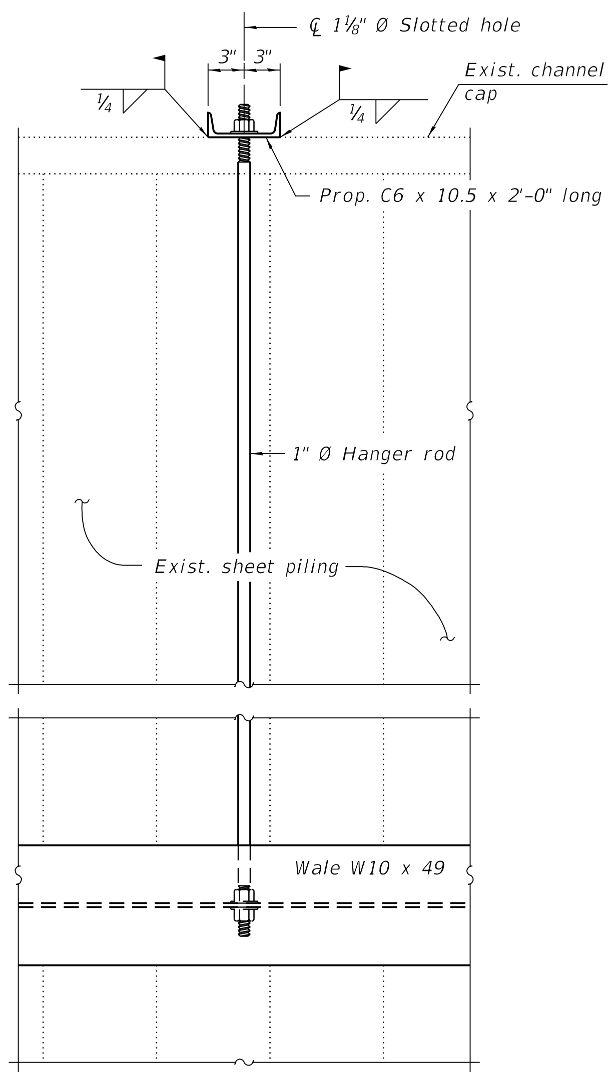
1. Excavation behind existing wall is paid for as "Structure Excavation".
2. Excavation behind existing anchor sheet pile shall only be as required to install anchor rods. Backfill with excavated material per Section 502.10 of The Standard Specifications. Cost included with "Furnishing and Erecting Structural Steel"..
3. After installation of proposed wales, reaction piles, reaction pile spacers, and anchor rods, backfill behind the existing wall with Porous Granular Embankment, Special.
4. Reaction Pile Spacers, wales, anchor rods, and anchor hardware are included with "Furnishing and Erecting Structural Steel".



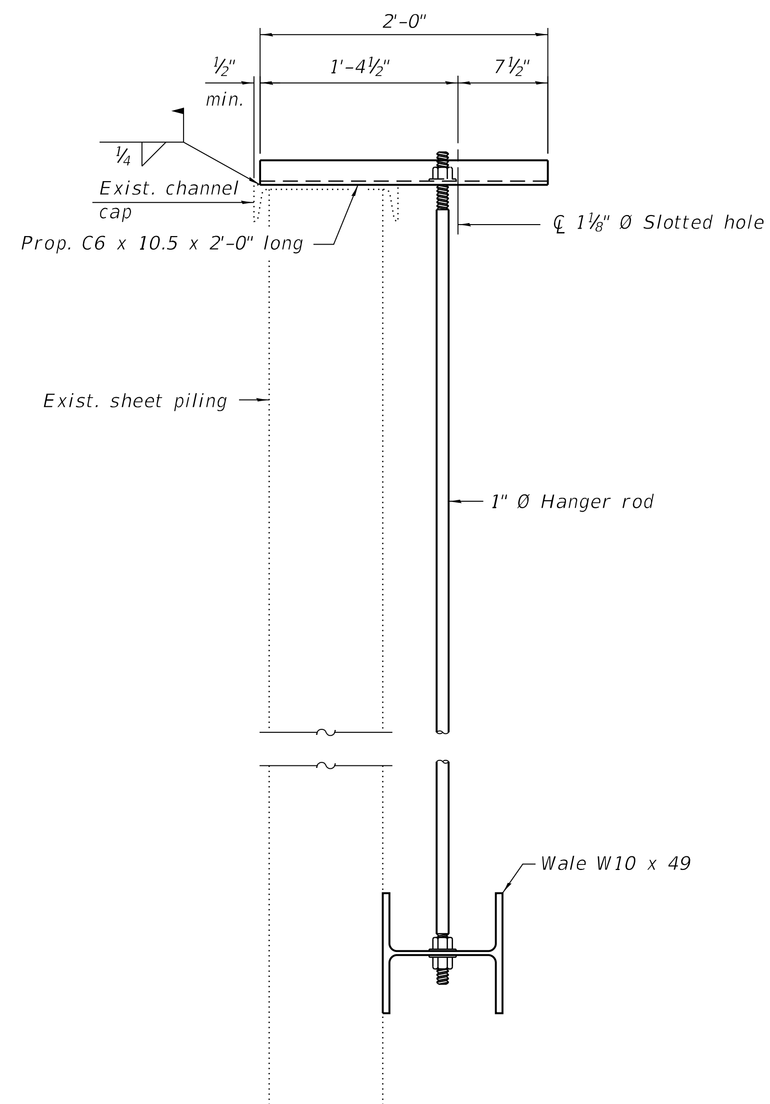
PLAN



HANGER LAYOUT PLAN



ELEVATION

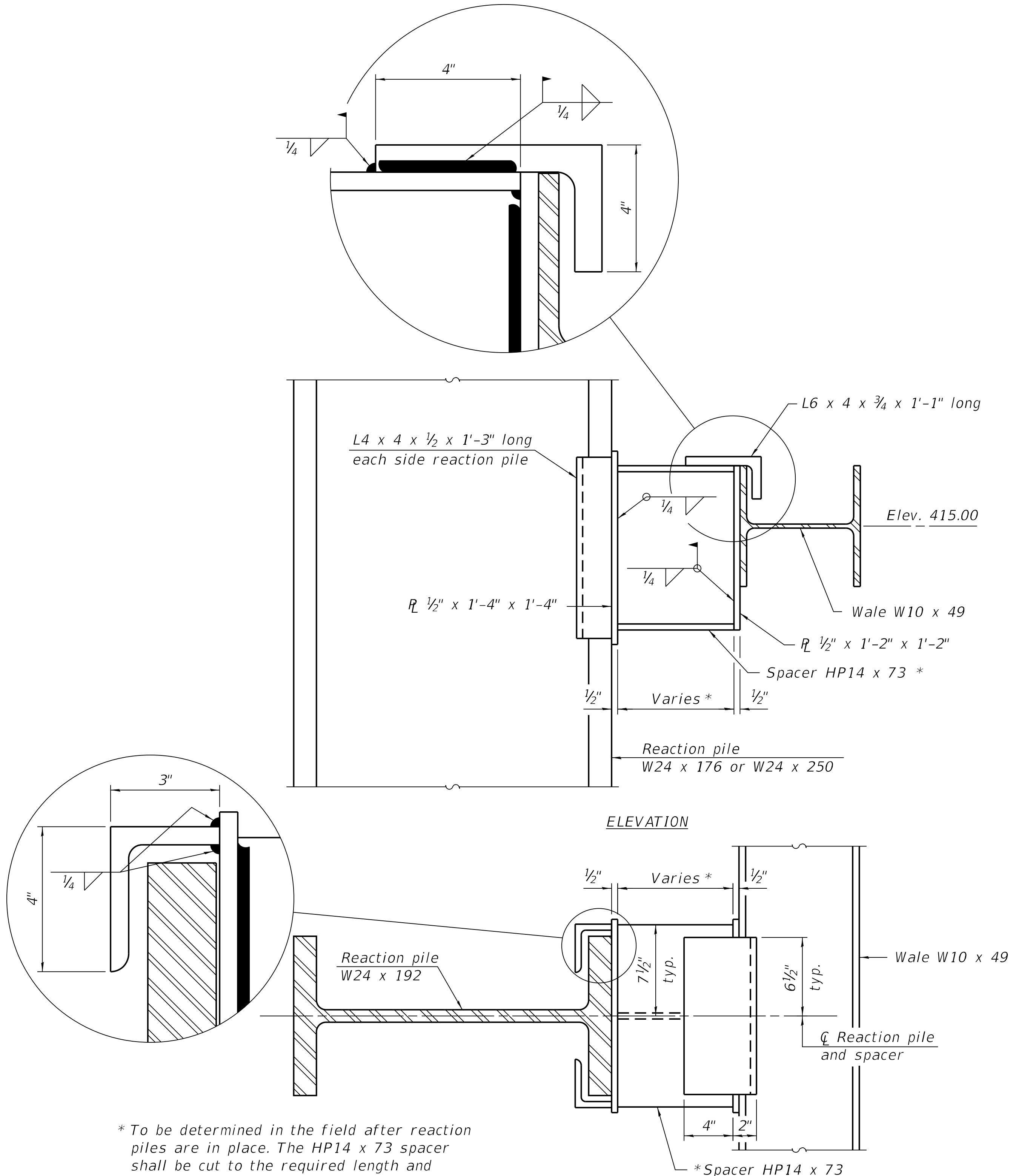


SECTION A-A

HANGER DETAIL

(Spacer and reaction pile not shown for clarity.)

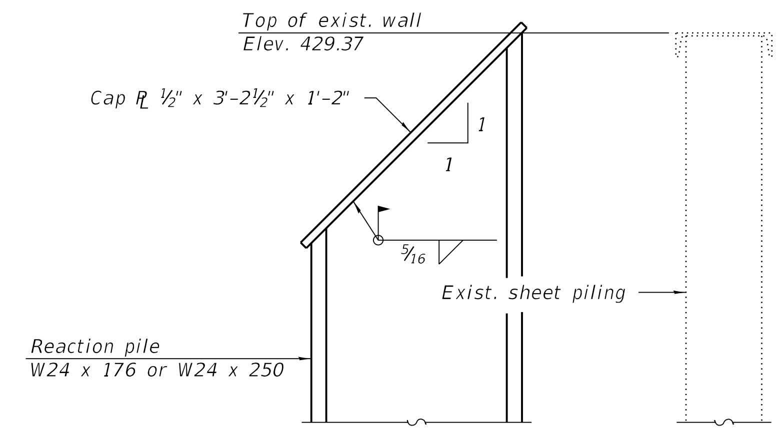
LAST SAVED DATE: 5/4/2020



* To be determined in the field after reaction piles are in place. The HP14 x 73 spacer shall be cut to the required length and assembled in the field with approval by the Engineer.

REACTION PILE SPACER DETAILS

(Existing sheet piling not shown for clarity.)



REACTION PILE CUTOFF DETAIL

Cut off Reaction Pile as shown after the Reaction Pile Spacer is in place.

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	FILE NAME = SN 007-W001.dgn	CHECKED - SBC	REVISED
	PLOT SCALE = 0:2 ':" / in.	DRAWN - DLH	REVISED
	PLOT DATE = 5/4/2020	CHECKED - SDS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

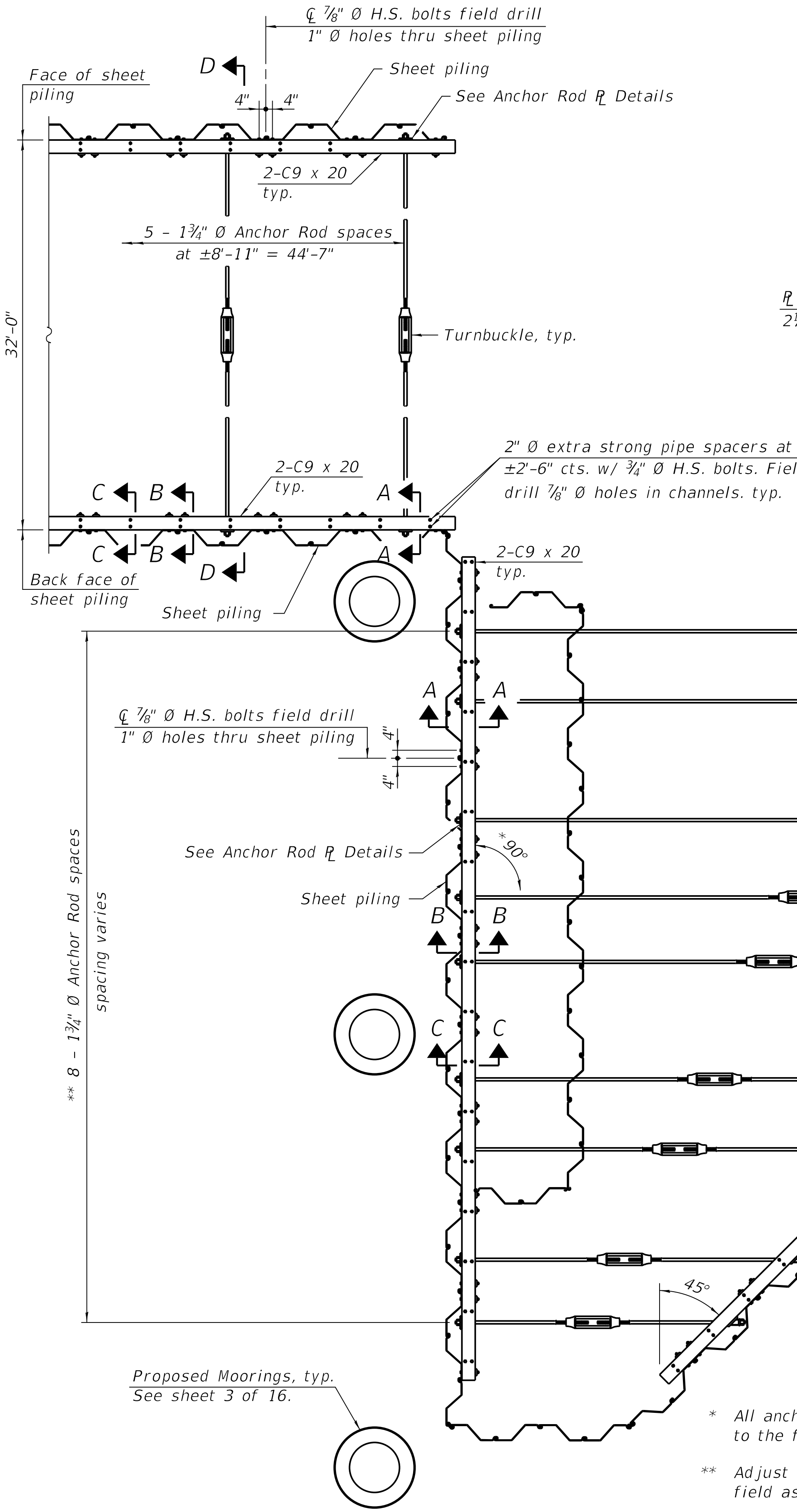
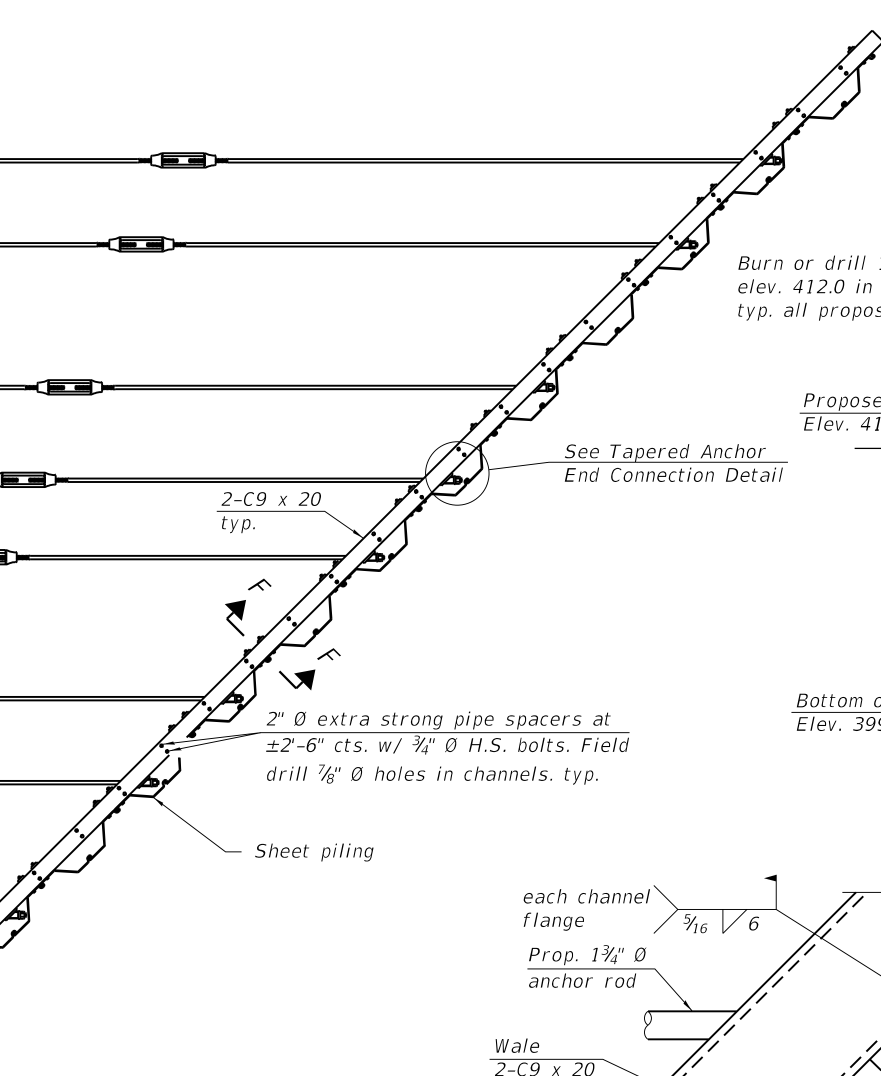
WALL ANCHOR DETAILS - PROPOSED WALL
STRUCTURE NO. 007-W001

SHEET NO. 8 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	1011-6	CALHOUN	45	18
		CONTRACT NO. 76K91		
		ILLINOIS FED. AID PROJECT		

FILE NAME: *DGN-SPEC*

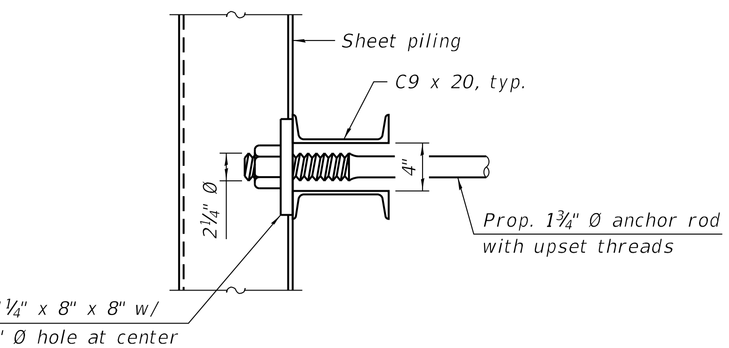
LAST SAVED DATE: 5/4/2020

* All anchors shall be set to be perpendicular to the front face of sheet piling.

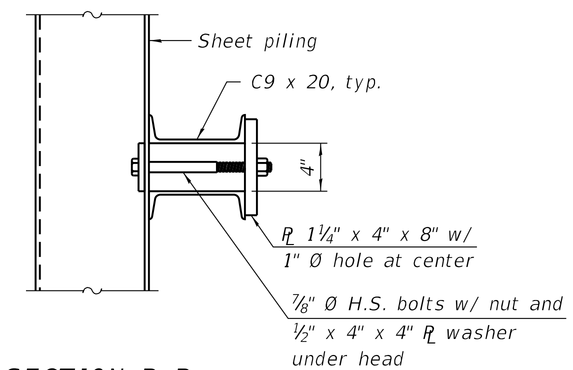
** Adjust spacing of the anchor rods in the field as necessary. Max. spacing 6'-0"

PROPOSED PLAN DETAIL



SECTION A-A

(Showing connection at front sheet piling. Connection at opposite side is the same.)



SECTION B-B

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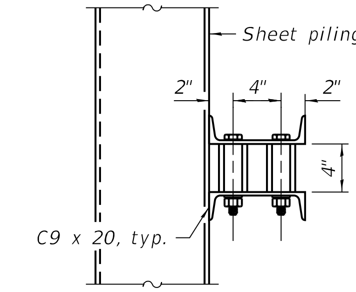
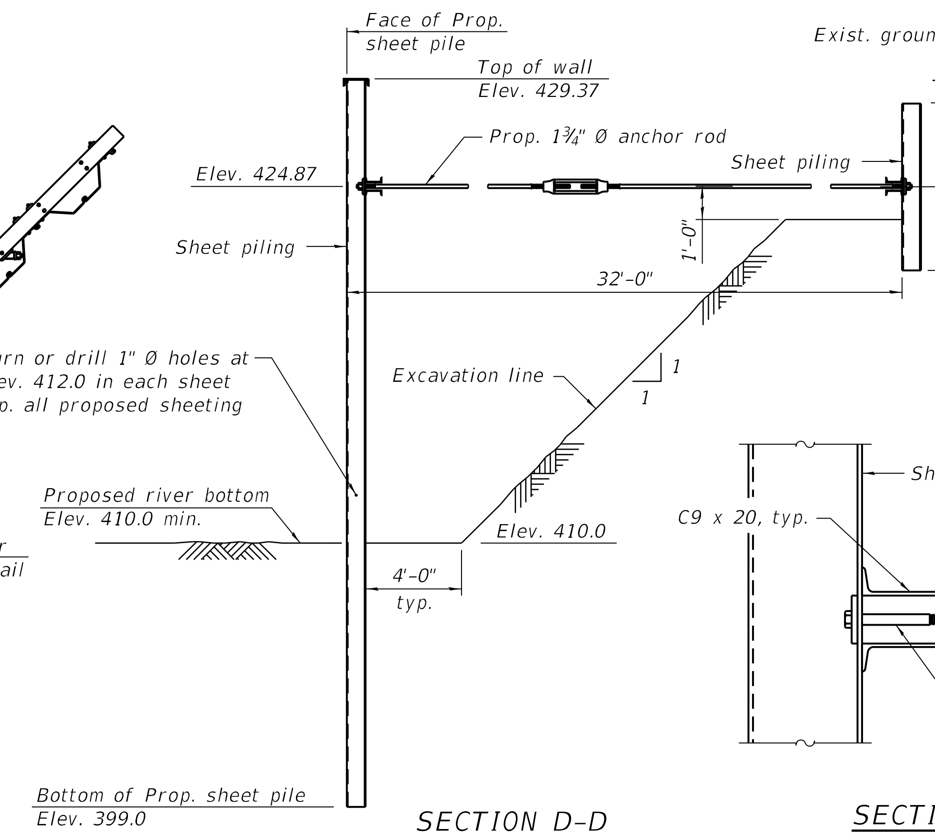
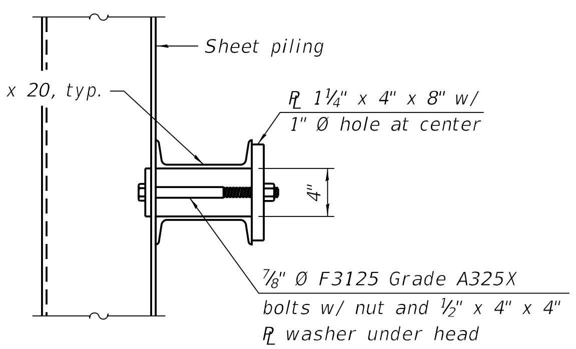


SECTION C-C

(Showing connection at front sheet piling. Connection at opposite side is the same.)



SECTION D-D



SECTION F-F

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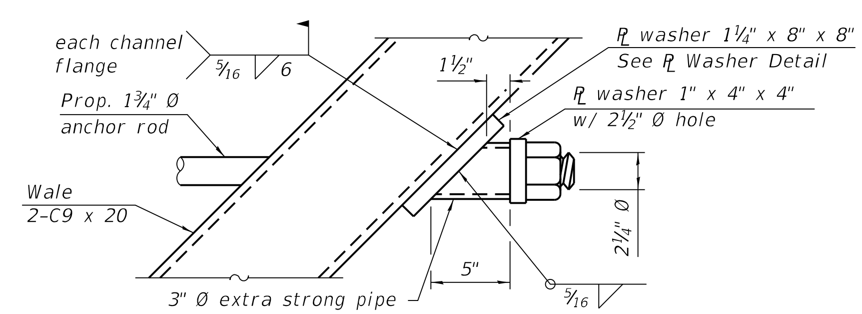
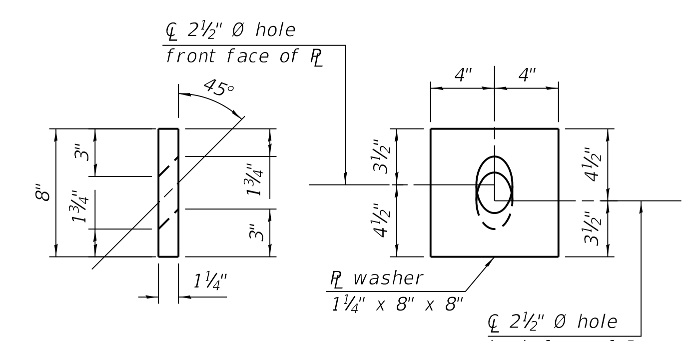


TAPERED ANCHOR END CONNECTION



8" PLATE WASHER

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whks engineers • planners • land surveyors	FILE NAME = SN 007-W001.dgn	CHECKED - SBC	REVISED
	PLOT SCALE = 0.2 ' / in.	DRAWN - DLH	REVISED
	PLOT DATE = 5/4/2020	CHECKED - SDS	REVISED

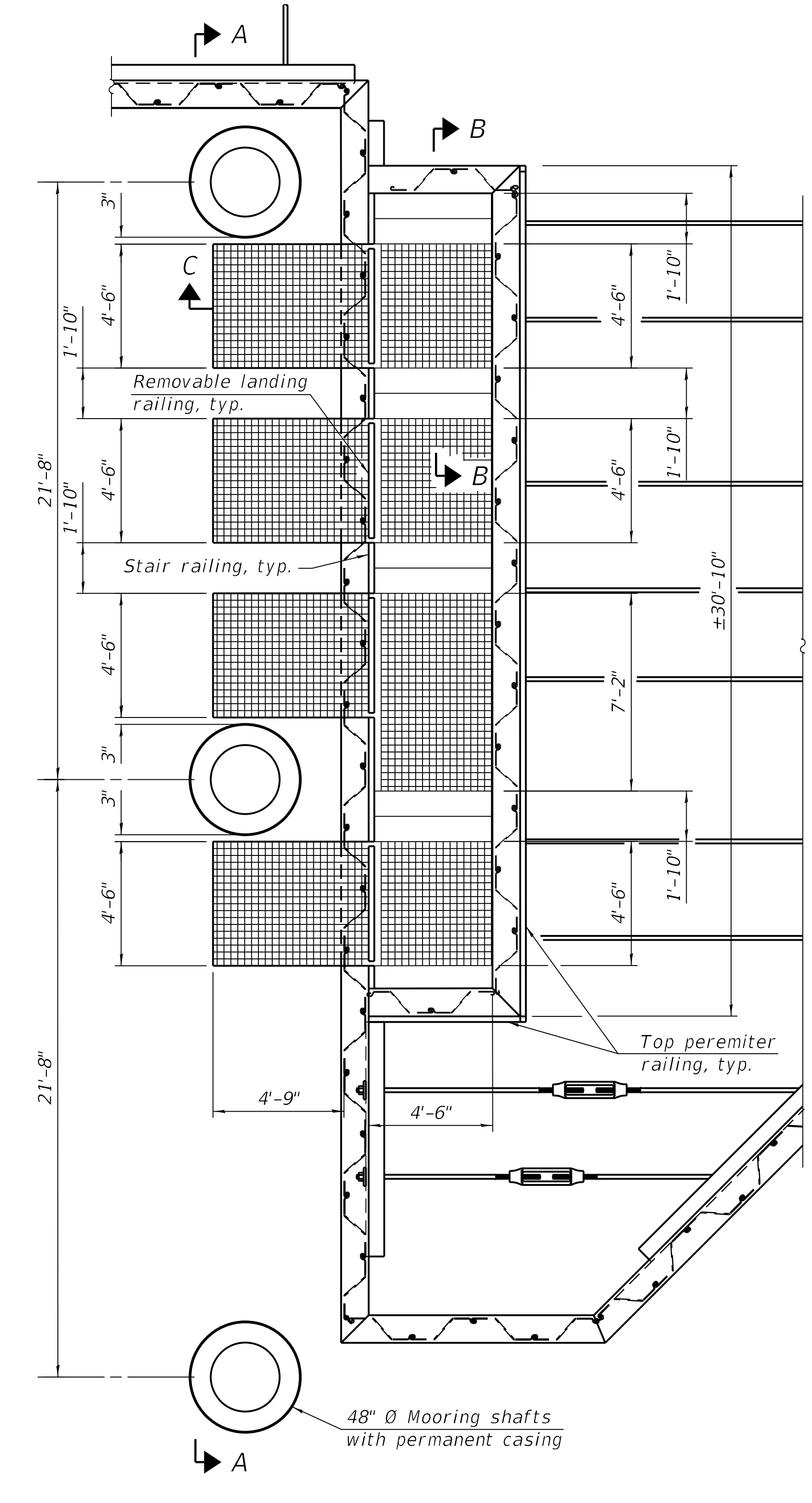
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALL ANCHOR DETAILS - PROPOSED WALL
STRUCTURE NO. 007-W001

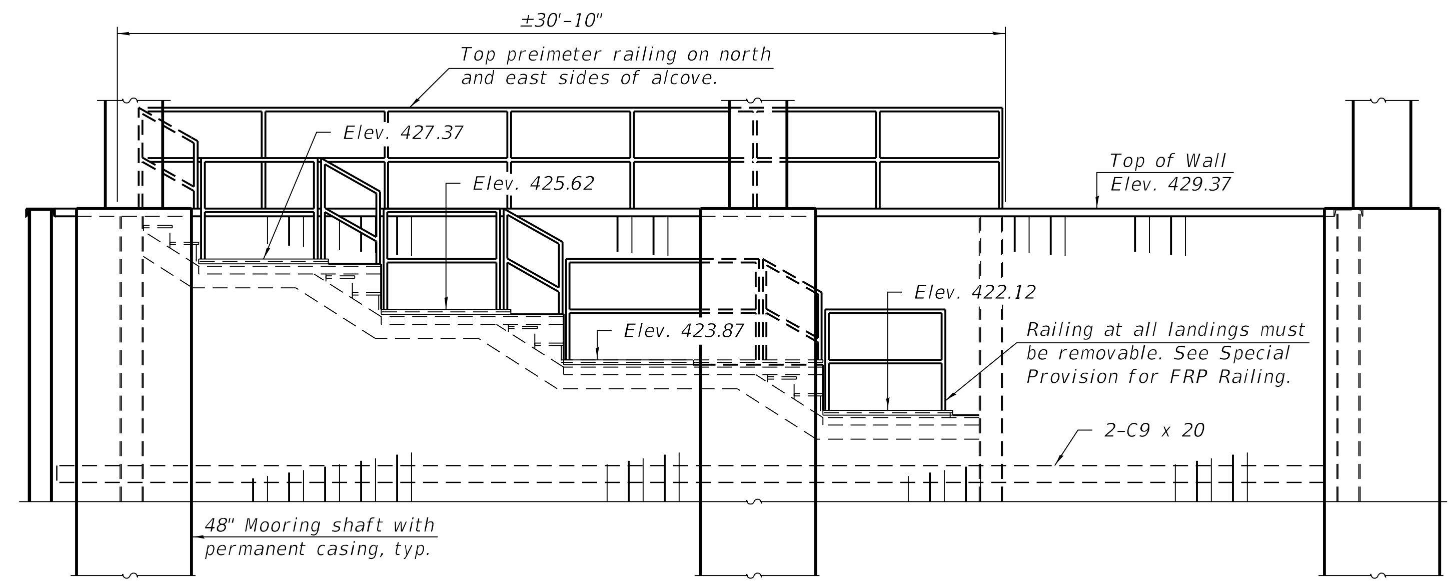
SHEET NO. 9 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	1011-6	CALHOUN	45	19
		CONTRACT NO. 76K91		
		ILLINOIS FED. AID PROJECT		

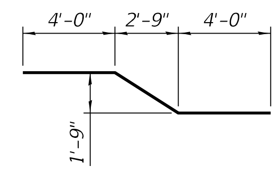
FILE NAME: "DGN-SPEC"



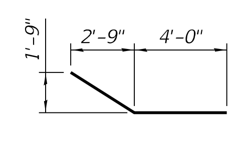
PROPOSED PLAN DETAIL AT STAIRS



SECTION A-A



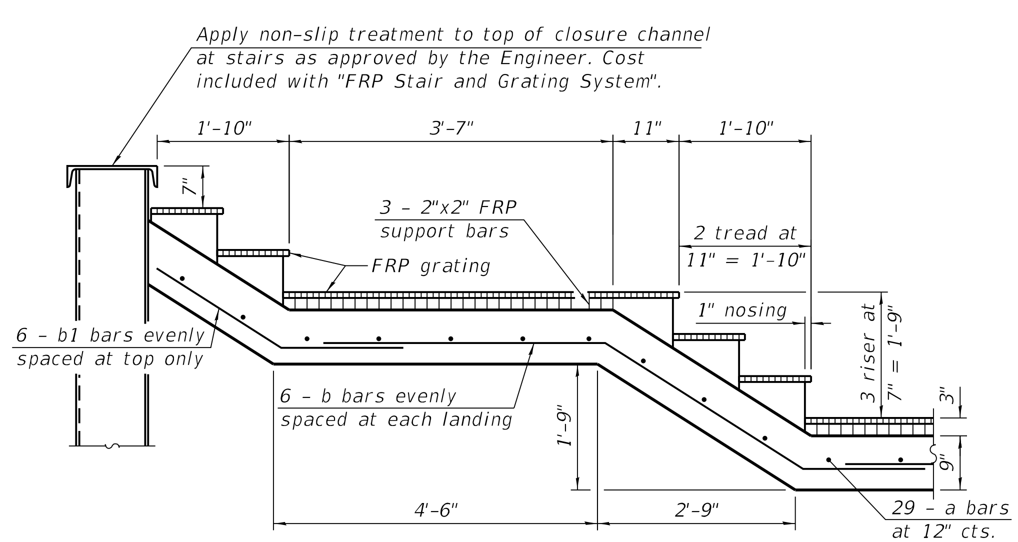
BAR b



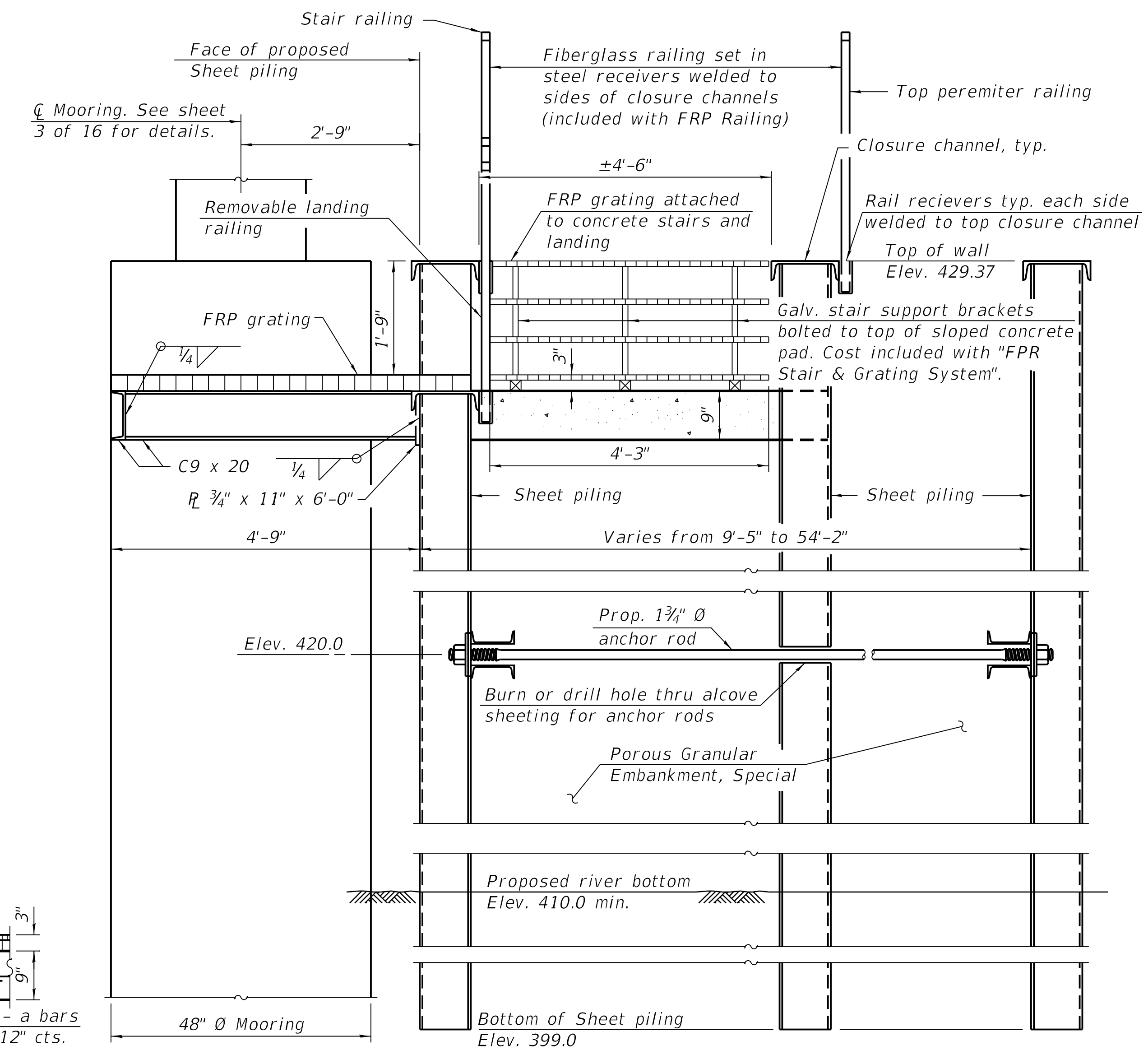
BAR b1

STAIR SYSTEM
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	29	#5	4'-6"	
b	30	#5	11'-3"	
b1	6	#5	7'-3"	
Concrete Structures			Cu. Yd.	5.7
Reinforcement Bars			Lb.	540
Fiberglass Reinforced Polyester Railing			Foot	64
Fiberglass Reinforced Polyester Stair and Grating System			Sq. Ft.	230



SECTION B-B



SECTION C-C

LAST SAVED DATE: $LASTSAVEDDATE$

FILE NAME: L:\Jobs\IDOT_D-8\8590 PTB 186-011\8590.04 Kampsville Design\CAD\CAD_Sheets\SN 007-W001_Rev.dgn

design firm no. 184001036

whks engineers • planners • land surveyors

USER NAME = bjohnson	DESIGNED - BJF/CEH	REVISED	
FILE NAME = SN 007-W001_Rev.dgn	CHECKED - SBC	REVISED	
PLOT SCALE = 0:2 ':" / in.	DRAWN - DLH	REVISED	
PLOT DATE = 6/29/2020	CHECKED - SDS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

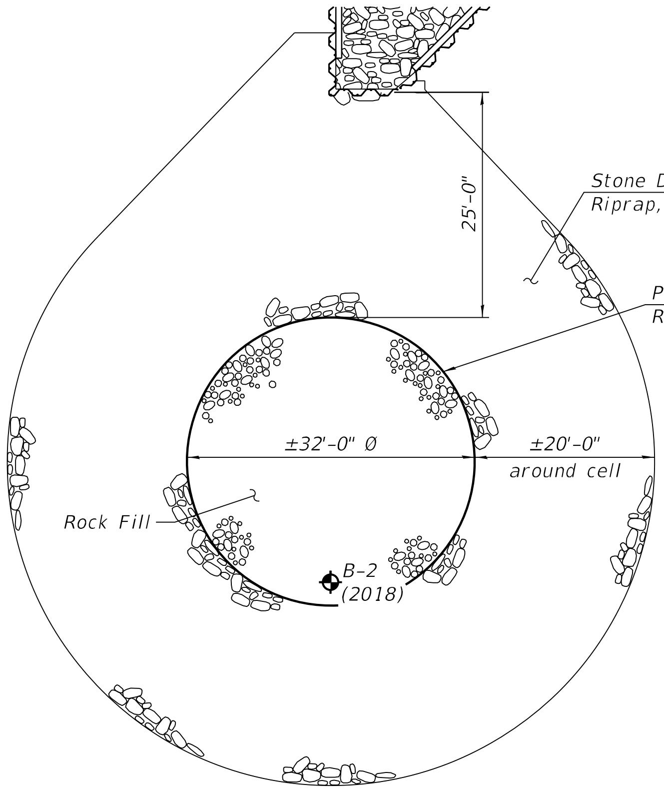
WALL DETAILS - PROPOSED WALL
STRUCTURE NO. 007-W001

SHEET NO. 10 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	1011-6	CALHOUN	45	20

CONTRACT NO. 76K91

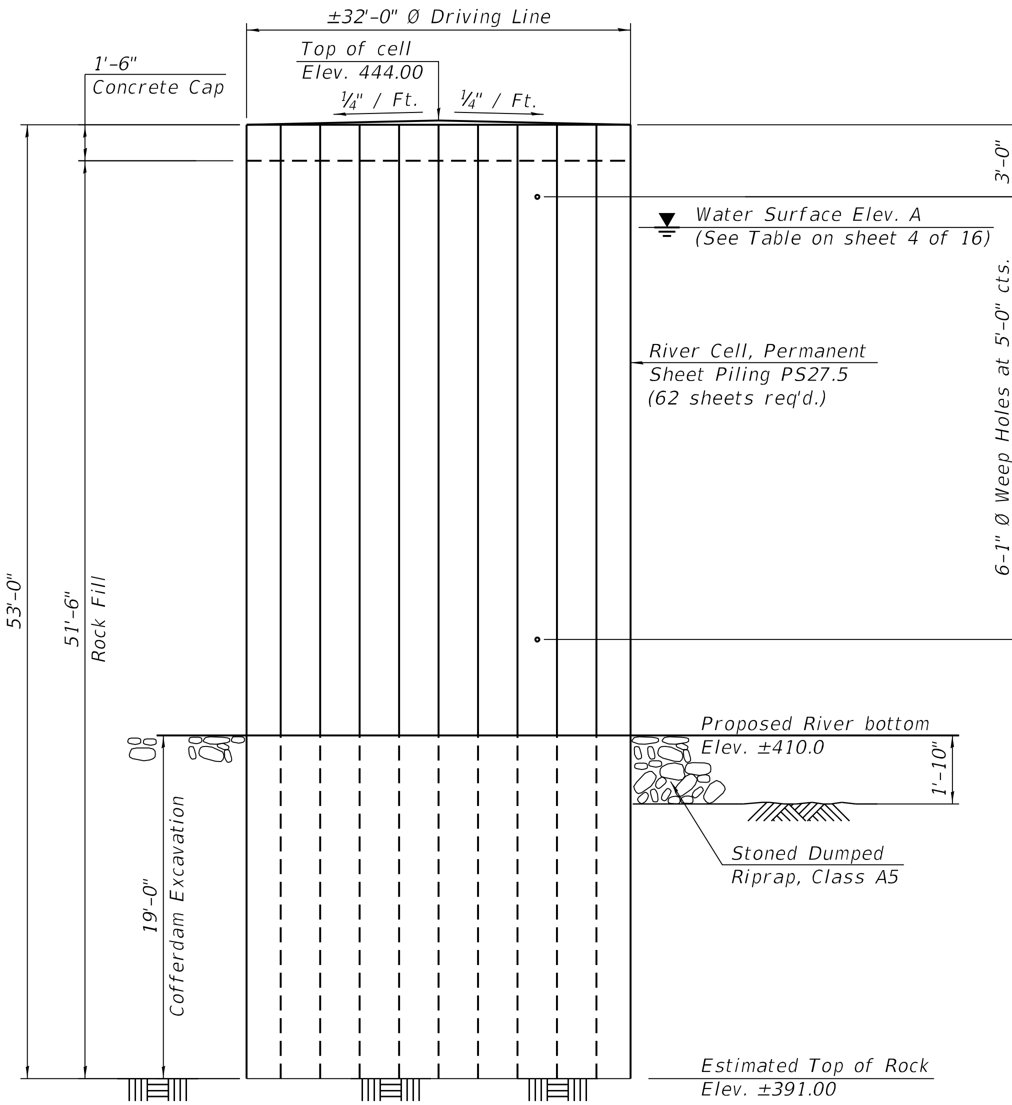
ILLINOIS FED. AID PROJECT



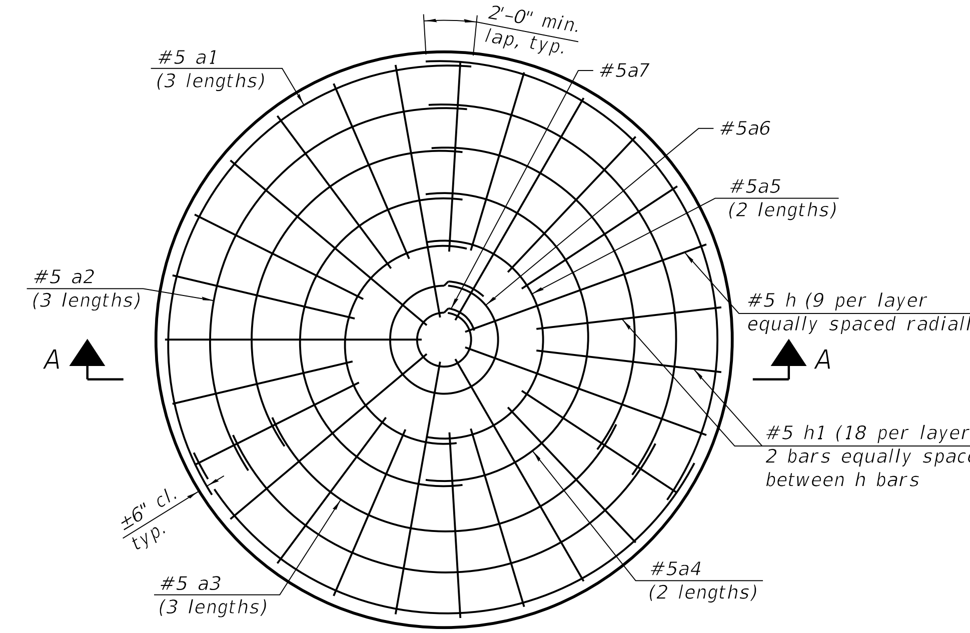
PLAN

SUGGESTED SEQUENCE OF CONSTRUCTION

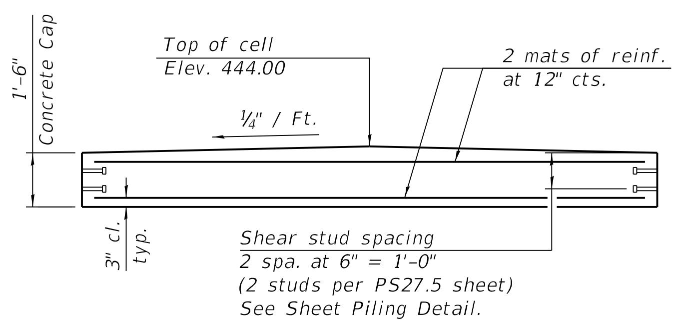
1. Drive River Cell steel sheet piling PS27.5.
2. Excavate and place stoned dumped riprap around outside of River Cell.
3. Excavate inside River Cell to top of rock.
4. Place Rock Fill inside River Cell.
5. Install shear connectors, place reinforcement and pour concrete cap.



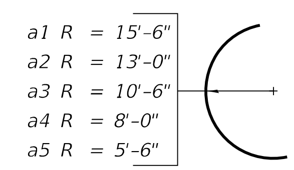
ELEVATION



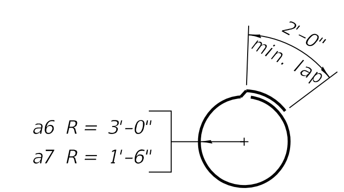
CAP PLAN



SECTION A-A



BARS a1 thru a5



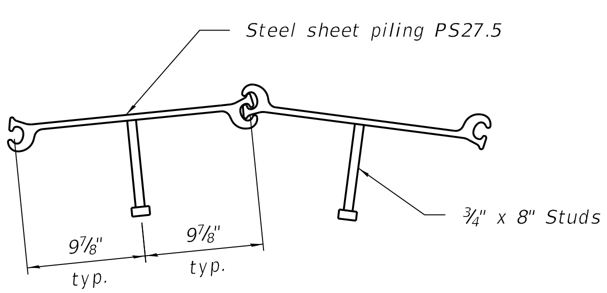
BARS a6 & a7

RIVER CELL
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	6	#5	34'-6"	(
a2	6	#5	29'-3"	(
a3	6	#5	24'-0"	(
a4	4	#5	27'-2"	(
a5	4	#5	19'-4"	(
a6	2	#5	20'-11"	○
a7	2	#5	11'-6"	○
h	18	#5	14'-3"	―
h1	36	#5	10'-3"	―
Stone Dumped Riprap, Class A5		Sq Yd	370	
Cofferdam Excavation		Cu Yd	675	
Concrete Structures		Cu Yd	44.7	
Stud Shear Connectors		Each	124	
Reinforcement Bars		Pound	1,470	
Permanent Sheet Piling		Sq Ft	5,330	
Rock Fill		Cu Yd	1,530	

Notes:

1. Rock Fill above top of rock shall be placed after excavation of river bed material. Cost of excavation of river bed material is included with "Cofferdam Excavation". Cost of rock is paid for as "Rock Fill". See Special Provisions.
2. Stoned Dumped Riprap shall be placed in a 20' wide ring around river cell. Riprap shall be placed prior to excavating inside river cell for placement of Rock Fill.
3. No dewatering of the cell is permitted until all Rock Fill has been placed.
4. At all times, beginning with excavation of the riverbed material inside the river cell and ending with filling of the river cell with Rock Fill, the river elevation must be equal to, or below, Elevation 435.4. This elevation corresponds to the 10-year flood frequency.
5. The Contractor is responsible for the internal stability of the river cell during assembly, excavation of the cell interior, and backfill operations. Template(s) shall be designed to resist all force effects, including but not limited to, stream flow, earth, and hydrostatic pressures and to assure proper sheet pile alignment throughout construction. Construction procedures, template schematics, and design calculations shall be submitted to the Engineer for approval prior to commencing work. Cost included with "Permanent Sheet Piling".



SHEET PILING DETAIL

Illinois Department of Transportation — Division of Highways

SOIL BORING LOG

Page 1 of 1 — Date 6/12/18

ROUTE 761 — DESCRIPTION Kampsville Ferry 2017-3097.10 — LOGGED BY T. Wager — Driller: Josh Langston

SECTION 101I-6 — LOCATION Kampsville, Illinois Sec: 2 Township: 9 S Range: 2 W

COUNTY Calhoun — DRILLING METHOD Mud Rotary CME 550 — HAMMER TYPE Auto Hammer

Drilling Company: Brotcke Well & Pump

STRUCT. NO. 007-W001 — Station
BORING NO. B-1 — Station — Offset — Ground Surface Elev. 430 +/- ft

Surface Water Elev. ___ ft — Stream Bed Elev. ___ ft
Groundwater Elev.: First Encounter 417.0 ft — Upon Completion N/a ft — After ___ Hrs. N/a ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY (A-6): Soft, brownish-gray, moist (Fill)		5 4 4	1.3 B	27
CLAY (A-6): Soft, brown, with gray, moist	-5	3 3 4	1.0 S	23
Becomes gray		1 1 2	1.2 B	24
	-10	1 2 2	0.8 B	26
		2 1 2	0.4 B	22
Wet	-15	WOH 1 2	0.3 B	36
With sand veins and seashells		2 2 2	4.0 P	14
	-20	1 2 1	0.3 P	28
SANDY GRAVEL (A-1): Very loose, brown, fine to medium		4 12 17	NC	
	-25	3 12 40	NC	
		3 2 6	NC	
	-30	2 5 16	NC	
Boring terminated at 31.16 ft.		50/2"		
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation — Division of Highways

SOIL BORING LOG

Page 1 of 1 — Date 07/10/18

ROUTE 761 — DESCRIPTION Kampsville Ferry 2017-3097.10 — LOGGED BY T. Cowan — Driller: Jerry Hancock

SECTION 101I-6 — LOCATION Kampsville, Illinois Sec: 2 Township: 9 S Range: 2 W

COUNTY Calhoun — DRILLING METHOD Barge Mounted CME-75 w/HSA — HAMMER TYPE Auto

Drilling Company: Brotcke Well & Pump

STRUCT. NO. 007-W001 — Station
BORING NO. B-2 — Station — Offset — Ground Surface Elev. 424.5 ft

Surface Water Elev. 424.5 ft — Stream Bed Elev. 413.5 ft
Groundwater Elev.: First Encounter N/a ft — Upon Completion N/a ft — After ___ Hrs. N/a ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
(Water)				
	-5			
	-10			
CLAY (A-6): Gray				
	-15	0 0 0	0.2 B	
		0 0 0	0.1 B	
SANDY CLAY (A-6): Gray, sand is fine, with crushed shells	-20	0 0	0.1	
SANDY CLAY (A-6): Gray, sand is fine, with crushed shells *(continued)*		2	B	
CLAYEY GRAVEL (A-2): Fine to coarse, clay is light brown		5 6 13	NC	
CLAYEY SAND and GRAVEL (A-2): Fine to coarse, clay is brown	-25	3 9 11	NC	
CLAY (A-7): Brown, some fine to coarse gravel		8 5 7	NC	
	-30	1 1 3	1.3 B	
Some fine sand		1 2 1	1.3 S	
WEATHERED LIMESTONE: Gray, fine to coarse gravel-size, highly weathered				
Borehole continued with rock coring.	-35	50/3"		
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation — Division of Highways

ROCK CORE LOG

Page 1 of 1 — Date 07/10/18

ROUTE 761 — DESCRIPTION Kampsville Ferry - 2017-3097.10 — LOGGED BY T. Cowan — Driller: Jerry Hancock

SECTION 101I-6 — LOCATION Kampsville, Illinois Sec: 2 Township: 9 S Range: 2 W

COUNTY Calhoun — CORING METHOD Double Barrel, Wireline

Drilling Company: Brotcke Well & Pump

STRUCT. NO. 007-W001 — Station — CORING BARREL TYPE & SIZE NX
BORING NO. B-2 — Station — Offset — Ground Surface Elev. 413.5 ft
Core Diameter 1.9 in — Top of Rock Elev. 390.3 ft — Begin Core Elev. 390.3 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
CHERTY LIMESTONE: Light bluish-gray with tan, very hard, fine to medium crystallinity, massively bedded, fresh to slightly weathered, slightly fractured, trace styolites	390.3	-35	1	94	94	3 5 3 4 3	292.2 371.9
		-40	2	97	97	4 3 3 4 3	295.1 545.0
Boring terminated at 44.2 ft.	380.3	-45					
		-50					

Cores will be stored for examination until 10/9/2018 — Color pictures of the cores Yes
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 11-2013)

design firm no. 184001036 — whks engineers • planners • land surveyors	USER NAME = dheberling	DESIGNED - BJF/CEH	REVISED
	FILE NAME = SN 007-W001.dgn	CHECKED - SBC	REVISED
	PLOT SCALE = 0:2 ':" / in.	DRAWN - DLH	REVISED
	PLOT DATE = 4/30/2020	CHECKED - SDS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORINGS (2018)
STRUCTURE NO. 007–W001
SHEET NO. 12 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	CALHOUN	45	22

CONTRACT NO. 76K91
ILLINOIS FED. AID PROJECT

LAST SAVED DATE: $LASTSAVEDDATE$

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 12/21/01

ROUTE FAP 761 **DESCRIPTION** IL 108 at Kampsville Ferry Landing (West Bank) **LOGGED BY** Larry Ford

SECTION 101I-4 **LOCATION** 85' N, 41' E of NE corner of Office Barge, **SEC.** 2, **TWP.** 9S, **RNG.** 2W, 4th **PM**, **Latitude**, **Longitude**

COUNTY Calhoun **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** 140# Automatic

STRUCT. NO.
Station

BORING NO. B 1
Station
Offset
Ground Surface Elev. 424.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 420.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY with some Gravel See Gradation @ 3 ft			2		
			3	0.8	
			3	S/5	25
	420.00 ▼				
Gray Silty CLAY		-5	0		
			0	0.8	
			2	S/15	28
			2		
			3	1.1	
			4	S/10	26
		-10	2		
			3	1.3	
			2	S/15	26
	412.50				
Gray CLAY with Shells			0		
			0	0.4	
			0	S/15	32
		-15	0		
			2	0.5	
			2	S/15	34
	406.50		2		
Brown Sandy GRAVEL See Gradatioh @ 23 ft			8		
			9		16
				NC	
		-20	5		
Brown Sandy GRAVEL See Gradatioh @ 23 ft *(continued)*			6		
			10	NC	13
			32		
			34		
			38	NC	9
	399.50				
		-25	50/5"		
Broken Fractured LIMESTONE	398.50			NR	
Borehole continued with rock coring.					
		-30			
		-35			
		-40			

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Date 12/21/01

ROUTE FAP 761 **DESCRIPTION** IL 108 at Kampsville Ferry Landing (West Bank) **LOGGED BY** Larry Ford

SECTION 101I-4 **LOCATION** 85' N, 41' E of NE corner of Office Barge, **SEC.** 2, **TWP.** 9S, **RNG.** 2W, 4th **PM**, **Latitude**, **Longitude**

COUNTY Calhoun **CORING METHOD** Tri Cone Roller Bit

STRUCT. NO.
Station

BORING NO. B 1
Station
Offset
Ground Surface Elev. 424.00 ft

CORING BARREL TYPE & SIZE
Core Diameter in
Top of Rock Elev. 398.50 ft
Begin Core Elev. 398.50 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
	398.50					6	
LIMESTONE							
						2	
						2.5	
						3.5	
		-30				3	
	393.50						
End of Boring							
End of Boring							
		-35					
		-40					
		-45					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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design firm no. 184001036
whks
engineers • planners • land surveyors

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORINGS (2001)
STRUCTURE NO. 007–W001
SHEET NO. 13 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	CALHOUN	45	23

CONTRACT NO. 76K91
ILLINOIS FED. AID PROJECT

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 12/22/01

ROUTE FAP 761 **DESCRIPTION** IL 108 at Kampsville Ferry Landing (West Bank) **LOGGED BY** Larry Ford

SECTION 101I-4 **LOCATION** 43' N, 16' E of NE corner of Office Barge, **SEC.** 2, **TWP.** 9S, **RNG.** 2W, 4th **PM**, **Latitude** , **Longitude**

COUNTY Calhoun **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** 140# Automatic

STRUCT. NO.
Station

BORING NO. B 2
Station
Offset
Ground Surface Elev. 428.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 419.4 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Rock and Large Fill (Boulders & Concrete)					
	425.40				
Gray CLAY with Gravel					
		-5	2		
			4	1.6	
			5	S/10	23
	421.90				
Gray CLAY			2		
			2	0.8	
			2	S/15	
	419.40 ▼				27
Brown and Gray Silty CLAY		-10	2		
			2	0.9	
			4	S/15	28
			0		
			2	0.9	
	414.90		3	S/15	29
Gray CLAY with Shells		-15	0		
			1	0.4	
			2	S/15	34
			0		
			0	0.5	
			0	S/15	35
	409.40				
Gray Gravelly CLAY	408.40	-20	4	1.2	
			5	S/15	
Brown Sandy GRAVEL with some larger Gravel See Gradation @ 25.5 ft			10		24
				NC	16
			10		
			6		
			8	NC	14
		-25	6		
			9		
			10	NC	14
			7		
			15		
			20	NC	11
	398.90				
Broken Weathered Shelves		-30	50/4"	NR	
	397.40				
Borehole continued with rock coring.					
		-35			
		-40			

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Date 12/22/01

ROUTE FAP 761 **DESCRIPTION** IL 108 at Kampsville Ferry Landing (West Bank) **LOGGED BY** Larry Ford

SECTION 101I-4 **LOCATION** 43' N, 16' E of NE corner of Office Barge, **SEC.** 2, **TWP.** 9S, **RNG.** 2W, 4th **PM**, **Latitude** , **Longitude**

COUNTY Calhoun **CORING METHOD** Tri Cone Roller Bit

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE

Core Diameter in
Top of Rock Elev. 427.40 ft
Begin Core Elev. 397.40 ft

BORING NO. B 2
Station
Offset
Ground Surface Elev. 428.40 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
	397.40					3	
Brown and Gray LIMESTONE							
						3	
						4	
						5	
		-35					
						4	
	392.40						
End of Boring							
NOTE: Area from 0' to 9' removed & replaced to bury dead man plate to hold extra ferry. End of Boring							
		-40					
		-45					
		-50					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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Illinois Department of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 12/19/01

ROUTE FAP 761 **DESCRIPTION** IL 108 at Kampsville Ferry Landing (West Bank) **LOGGED BY** Larry Ford

SECTION 101I-4 **LOCATION** 8' S, 32' E of NE corner of Office Barge, **SEC.** 2, **TWP.** 9S, **RNG.** 2W, 4th **PM**, **Latitude** , **Longitude**

COUNTY Calhoun **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** 140# Automatic

STRUCT. NO.
Station

BORING NO. B 3
Station
Offset
Ground Surface Elev. 425.86 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 421.9 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Rock and Rubble Fill					
	421.86 ▼				
Sandy GRAVEL (mostly 2" to 3" size)		-5	7		
			2		
			4	NC	13
	419.36				
Gray Silty CLAY			2		
			2	0.8	
			3	B	28
		-10	2		
			2	0.9	
			3	B	27
			2		
			3	0.8	
			3	S/15	29
	411.86				
Gray CLAY with some shells		-15	0		
			2	0.6	
			1	S/15	32
			0		
			0	0.4	
			0	S/15	34
	405.86	-20	3	0.5	
			7	S/15	
Gray and Brown Sandy CLAY with Broken Weathered Limestone Matrix			11		27
				NC	14
			28		
	402.86		26		
			26	NC	12
Brown SAND and GRAVEL		-25	9		
			29		
			31	NC	11
	398.36		24		
			50/3"		
SHALE	397.36			NC	9
Broken Weathered LIMESTONE	396.36				
Borehole continued with rock coring.		-30			
		-35			
		-40			

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation

Division of Highways
IDOT

ROCK CORE LOG

Page 2 of 2

Date 12/19/01

ROUTE FAP 761 **DESCRIPTION** IL 108 at Kampsville Ferry Landing (West Bank) **LOGGED BY** Larry Ford

SECTION 101I-4 **LOCATION** 8' S, 32' E of NE corner of Office Barge, **SEC.** 2, **TWP.** 9S, **RNG.** 2W, 4th **PM**, **Latitude** , **Longitude**

COUNTY Calhoun **CORING METHOD** Tri Cone Roller Bit

STRUCT. NO.
Station

BORING NO. B 3
Station
Offset
Ground Surface Elev. 425.86 ft

CORING BARREL TYPE & SIZE
Core Diameter in
Top of Rock Elev. 396.36 ft
Begin Core Elev. 396.36 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
	396.36	-30				5	
Gray LIMESTONE						6	
						8	
						7	
	392.36						
End of Boring		-35					
End of Boring							
		-40					
		-45					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

design firm no. 184001036

whks engineers • planners • land surveyors

USER NAME = dheberling	DESIGNED - BJF/CEH	REVISED
FILE NAME = SN 007-W001.dgn	CHECKED - SBC	REVISED
PLOT SCALE = 0:2 ':" / in.	DRAWN - DLH	REVISED
PLOT DATE = 4/30/2020	CHECKED - SDS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORINGS (2001)
STRUCTURE NO. 007–W001

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	CALHOUN	45	25

CONTRACT NO. 76K91

ILLINOIS | FED. AID PROJECT

LAST SAVED DATE: $LASTSAVEDDATE$

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 12/20/01

ROUTE FAP 761 DESCRIPTION IL 108 at Kampsville Ferry Landing (West Bank) LOGGED BY Larry Ford

SECTION 101I-4 LOCATION 66' S, 9' E of NE corner of Office Barge, **SEC.** 2, **TWP.** 9S, **RNG.** 2W, 4th **PM**, Latitude , Longitude

COUNTY Calhoun DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. ______
Station ______

BORING NO. B 4
Station ______
Offset ______
Ground Surface Elev. 428.40 ft

Surface Water Elev. ______ ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter 419.4 ft ▼
Upon Completion ______ ft
After ______ Hrs. ______ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Rock and Large Boulders (Fill)				
426.40				
Gray Silty CLAY with Limestone Rock (Fill)				
	-5	0		
		8	0.5	
		6	S/15	20
421.90				
Gray Silty CLAY		2		
		3	0.7	
		2	S/10	28
▼				
	-10	2		
		2	1.0	
		3	S/10	29
416.90				
Gray CLAY with Shells		2		
		2	0.7	
		3	S/10	31
	-15	2		
		2	0.6	
		3	S/15	32
		0		
		0	0.5	
		0	S/15	35
	-20	2		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
407.90		2	0.7	33
Gray and Brown Gravelly CLAY		8	S/10	
406.90			0.7	18
			S/10	
Gray and Brown Clayey GRAVEL See Gradation @ 25.5 ft		17		
		12		
		11	NC	15
	-25	30		
(Large Gravel)		50/5"		
			NR	2
		7		
		14		
		15	NC	
399.40				
SHALE 398.90				
Borehole continued with rock coring.	-30			
	-35			
	-40			

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 2 of 2

Date 12/20/01

ROUTE FAP 761 DESCRIPTION IL 108 at Kampsville Ferry Landing (West Bank) LOGGED BY Larry Ford

SECTION 101I-4 LOCATION 66' S, 9' E of NE corner of Office Barge, **SEC.** 2, **TWP.** 9S, **RNG.** 2W, 4th **PM**, Latitude , Longitude

COUNTY Calhoun CORING METHOD Tri Cone Roller Bit

STRUCT. NO. ______
Station ______

BORING NO. B 4
Station ______
Offset ______
Ground Surface Elev. 428.40 ft

CORING BARREL TYPE & SIZE ______
Core Diameter ______ in
Top of Rock Elev. 398.90 ft
Begin Core Elev. 398.90 ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
398.90	-30				4	
Gray LIMESTONE with some fractures					8	
					3	
					4	
394.90						
End of Boring	-35					
End of Boring						
	-40					
	-45					

Color pictures of the cores ______
Cores will be stored for examination until ______
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

design firm no. 184001036 whks engineers • planners • land surveyors	USER NAME = dheberling	DESIGNED - BJF/CEH	REVISED
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORINGS (2001)
STRUCTURE NO. 007-W001
SHEET NO. 16 OF 16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	CALHOUN	45	26
		CONTRACT NO. 76K91		
		ILLINOIS FED. AID PROJECT		

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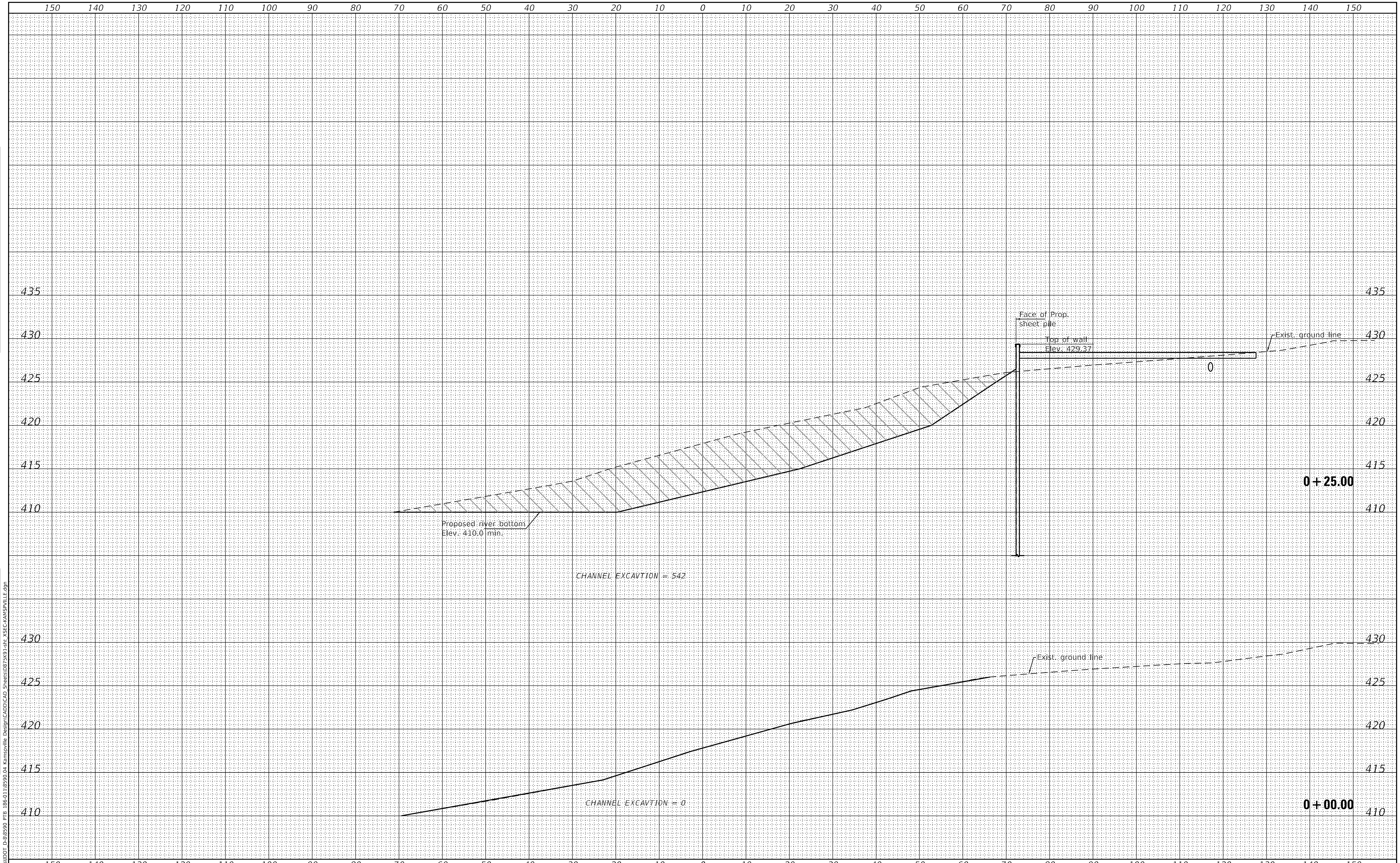

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design firm no. 184001036

whks engineers + planners + land surveyors

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PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

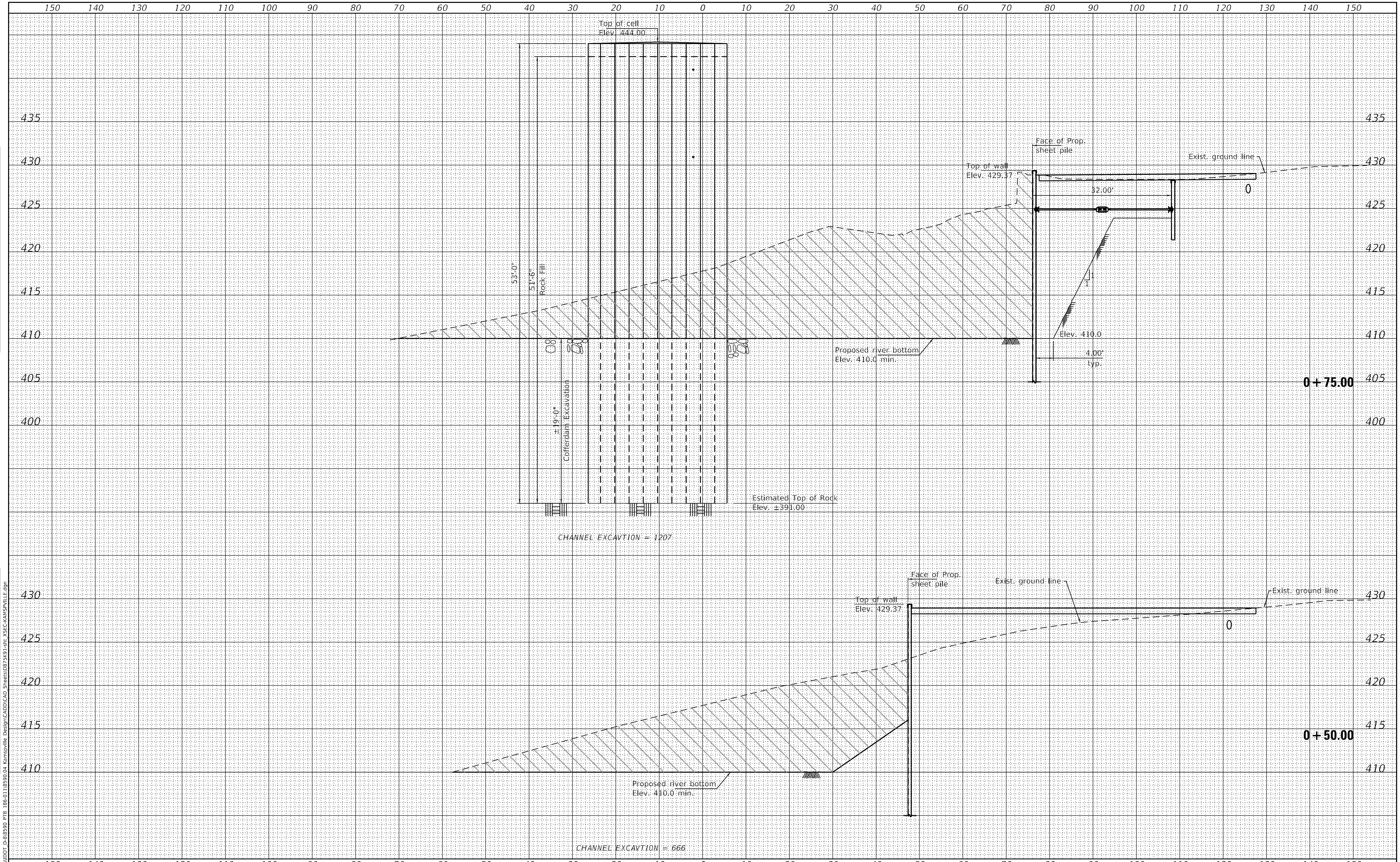
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 1 OF 11 SHEETS | STA. +00.00 TO STA. +25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	27

* CALHOUN & GREENE ILLINOIS CONTRACT NO. 76K91



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design firm
no. 184001036

whks engineers + planners + land surveyors

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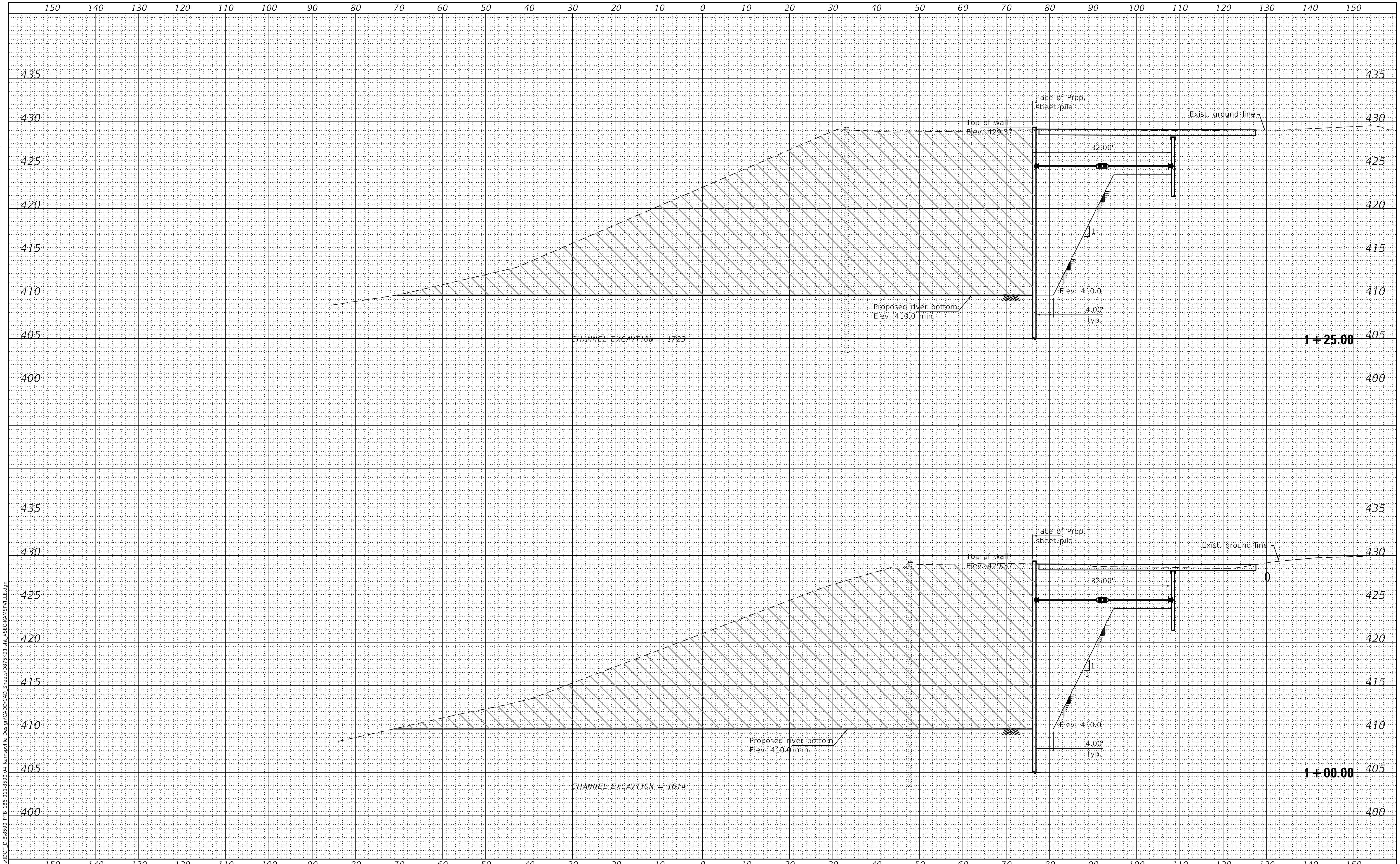
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 2 OF 11 SHEETS | STA. +50.00 TO STA. +75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	28
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
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design firm no. 184001036

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PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 3 OF 11 SHEETS | STA. 1+00.00 TO STA. 1+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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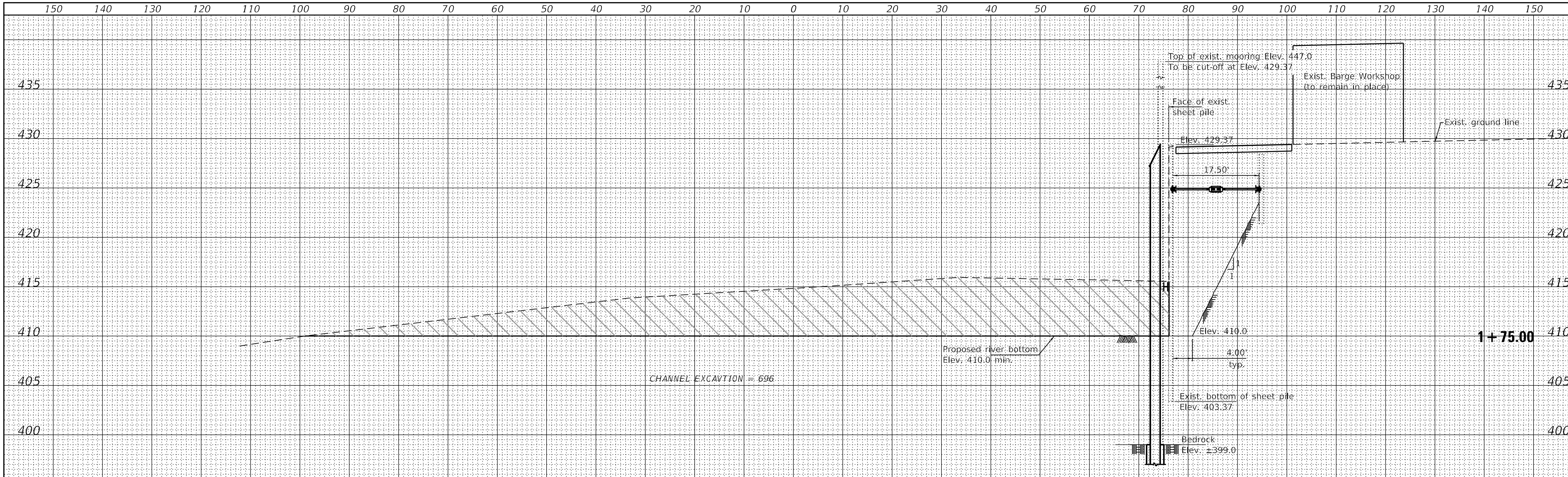
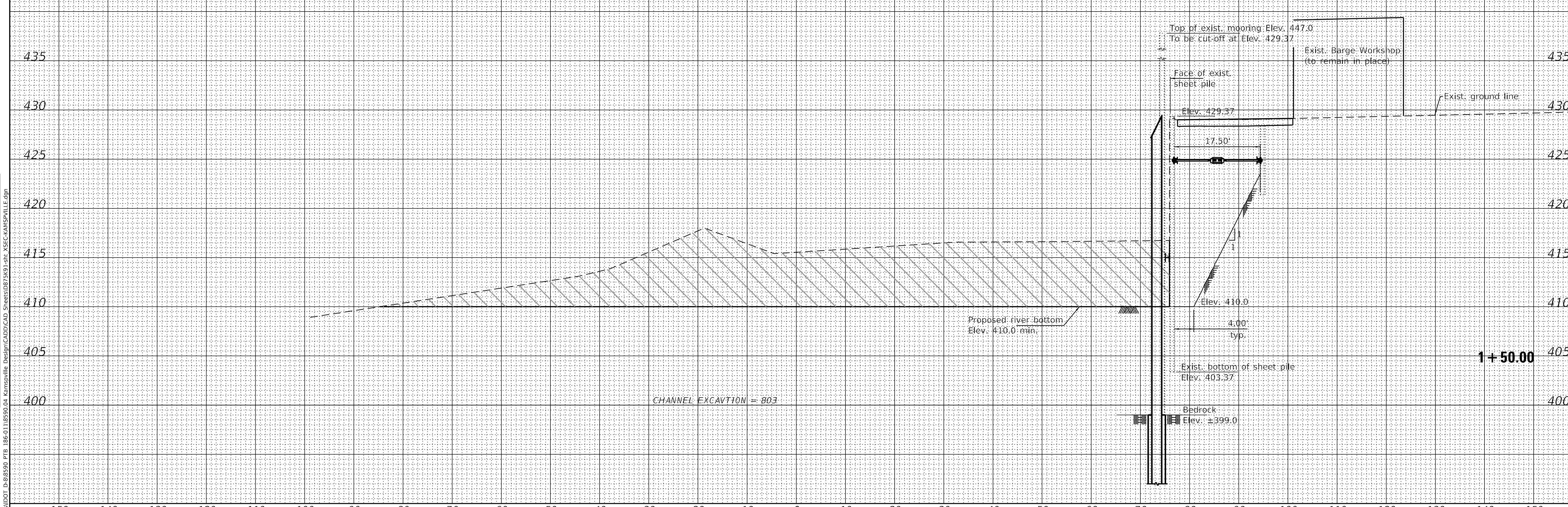
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		





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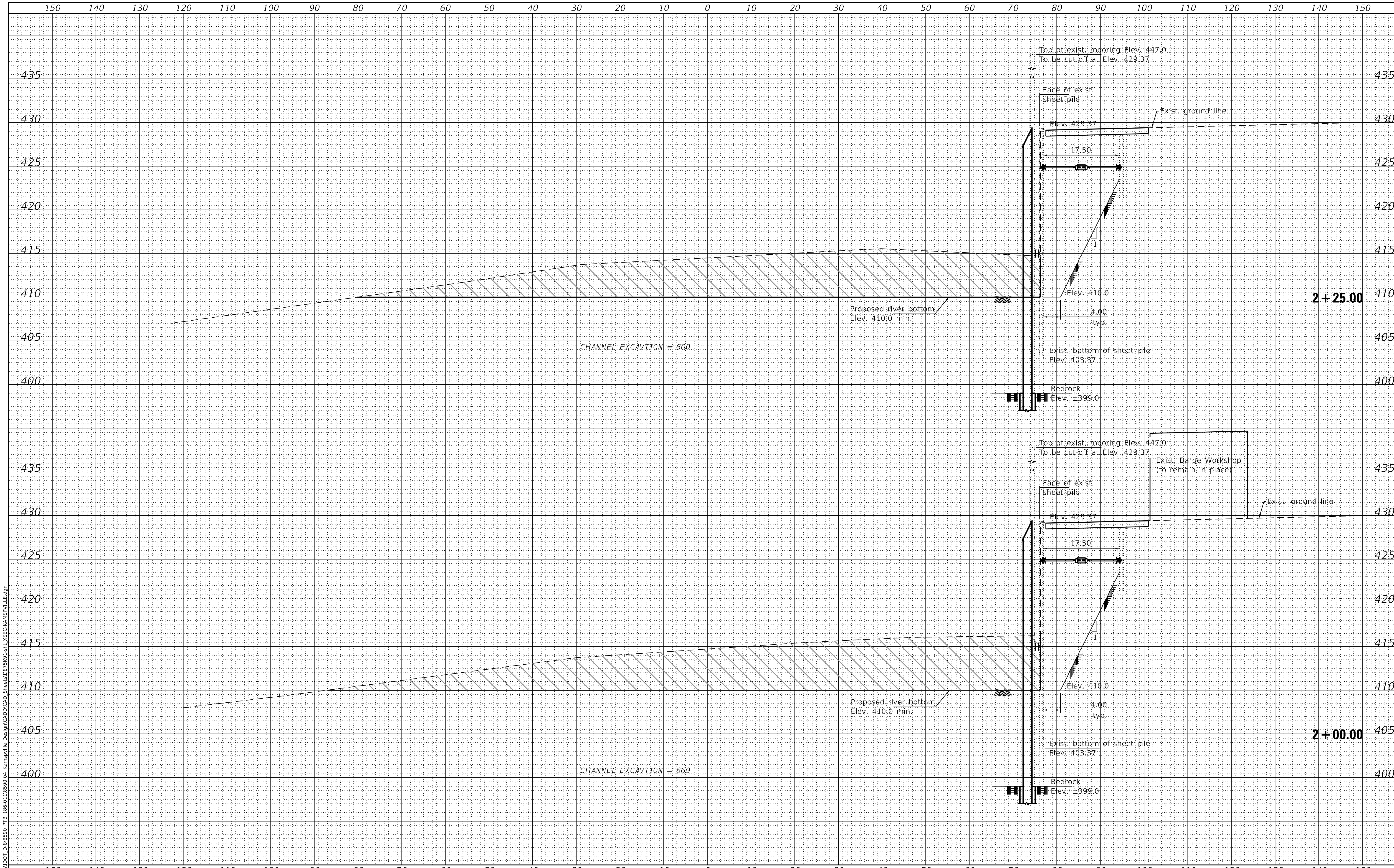
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 4 OF 11 SHEETS | STA. 1+50.00 TO STA. 1+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	30
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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design firm no. 184001036 whks engineers • planners • land surveyors	USER NAME = $OPERATORS	DESIGNED - RKA	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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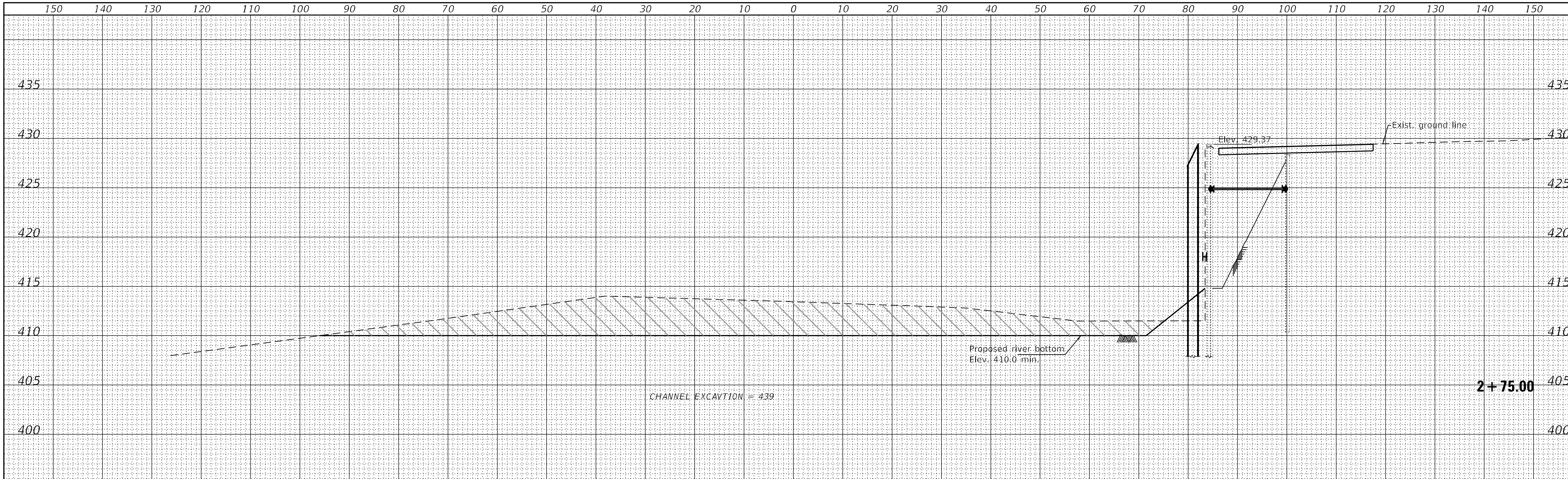
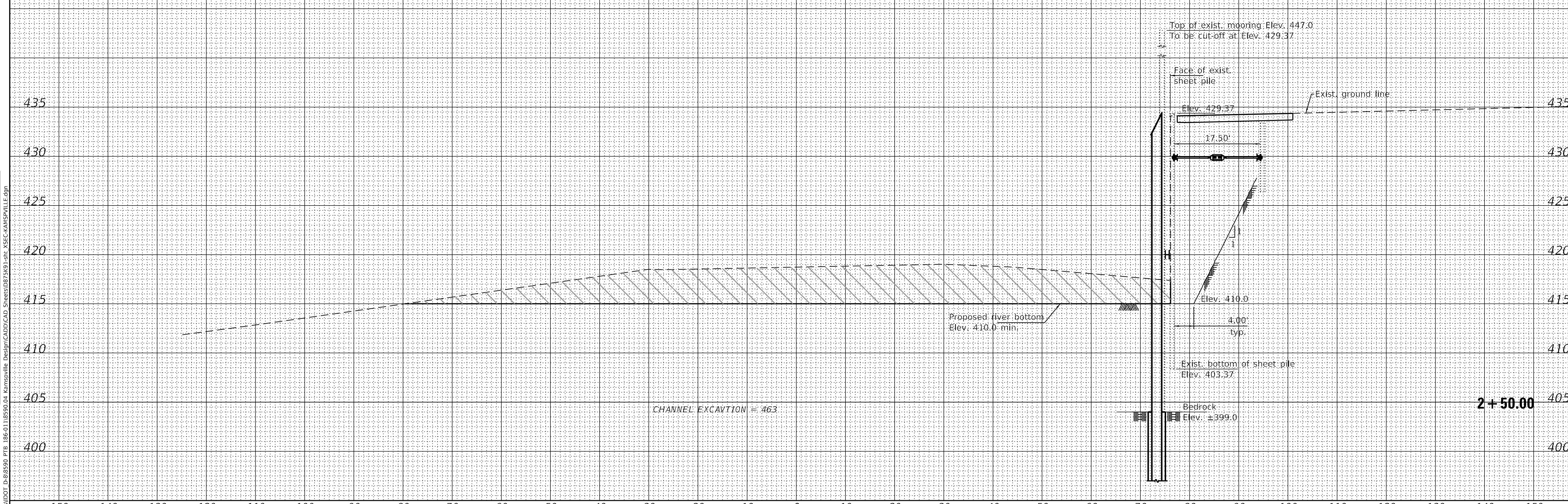
	PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED	

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 5 OF 11 SHEETS | STA. 2+00.00 TO STA. 2+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	31
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	





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USER NAME = $OPERATOR$	DESIGNED - RKA	REVISED	
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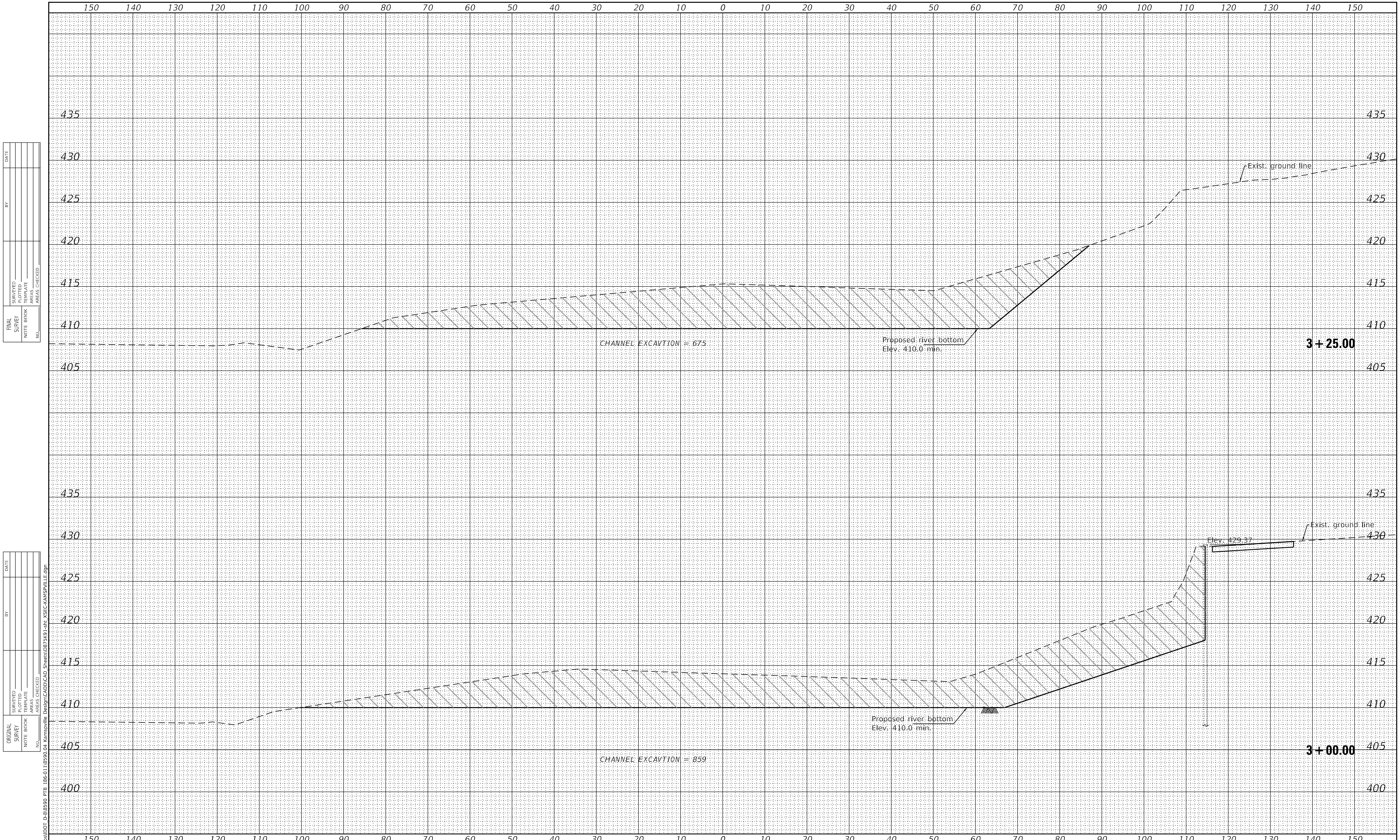
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 6 OF 11 SHEETS | STA. 2+50.00 TO STA. 2+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	32
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		



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design firm
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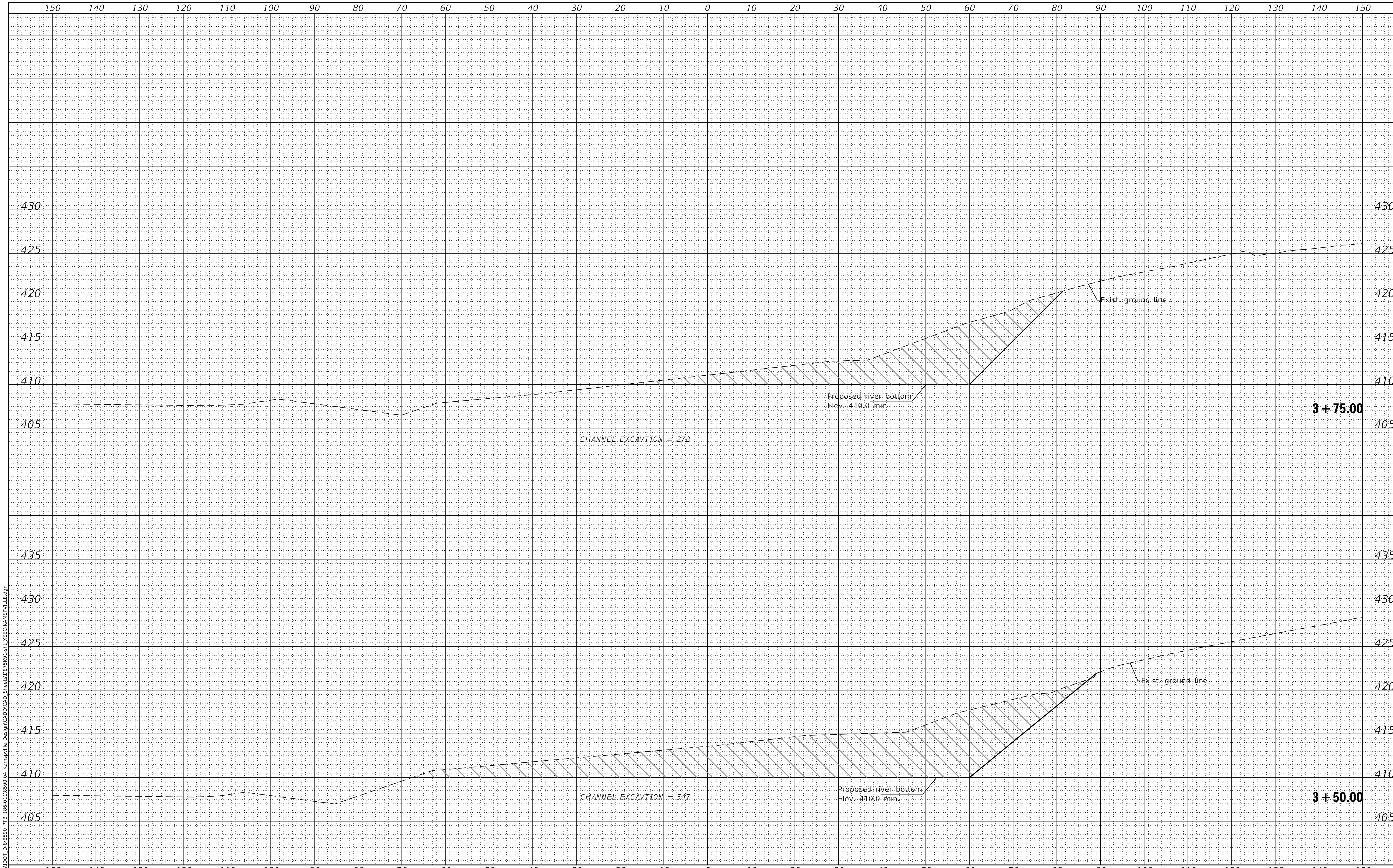
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 7 OF 11 SHEETS | STA. 3+00.00 TO STA. 3+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	33
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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design firm no. 184001036

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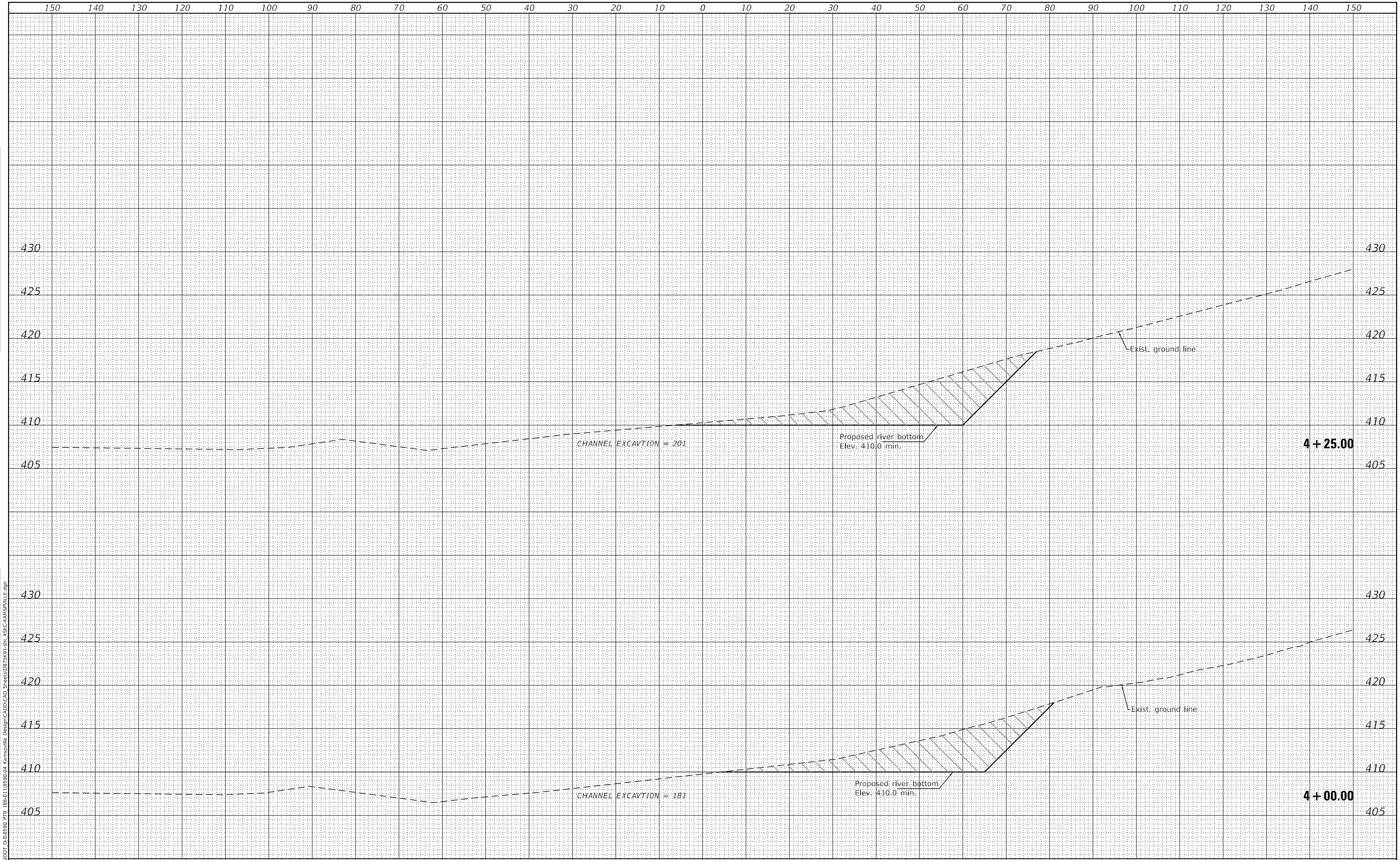
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 8 OF 11 SHEETS | STA. 3+50.00 TO STA. 3+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	34

* CALHOUN & GREENE | ILLINOIS | CONTRACT NO. 76K91



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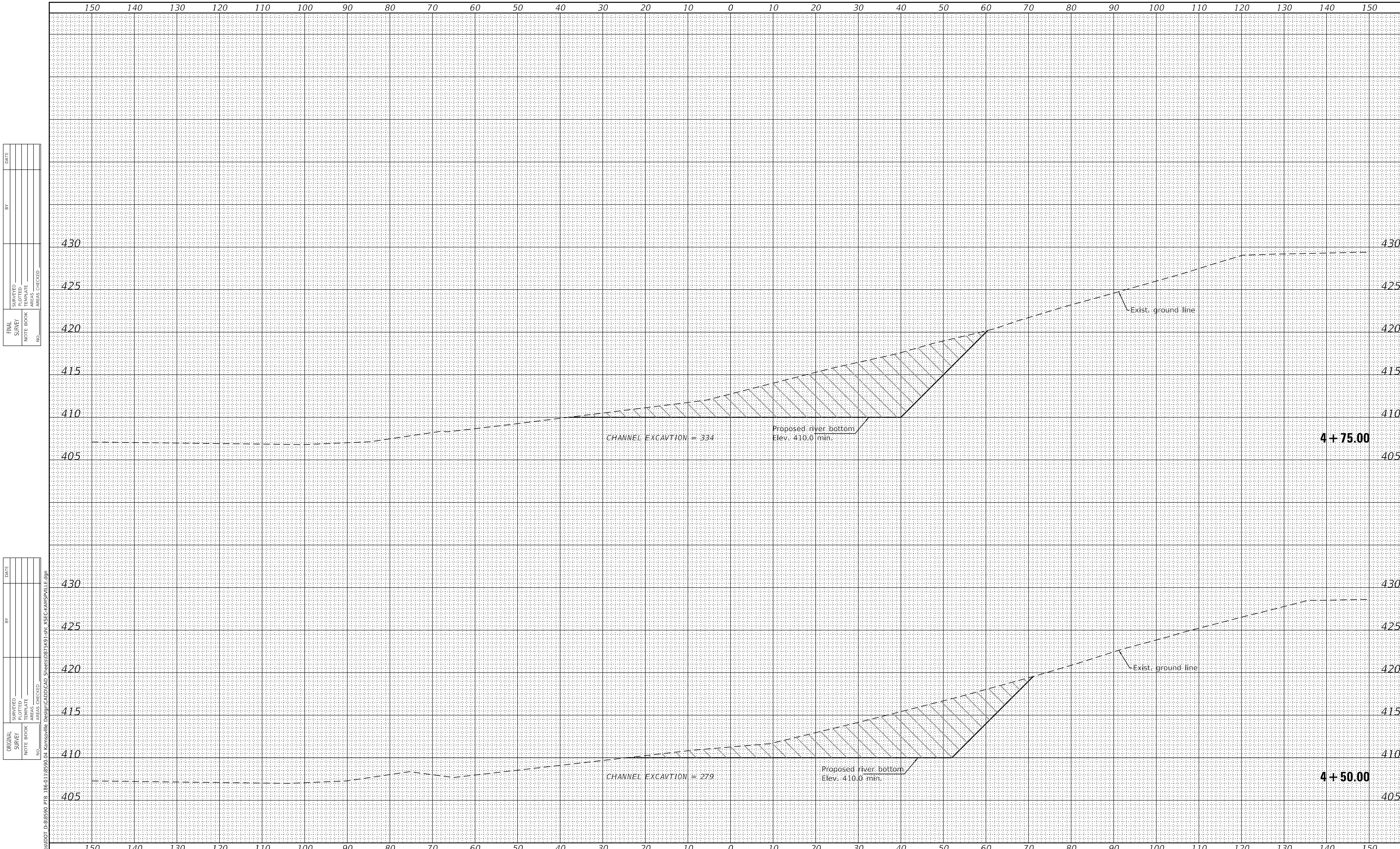
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 9 OF 11 SHEETS | STA. 4+00.00 TO STA. 4+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	35
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED
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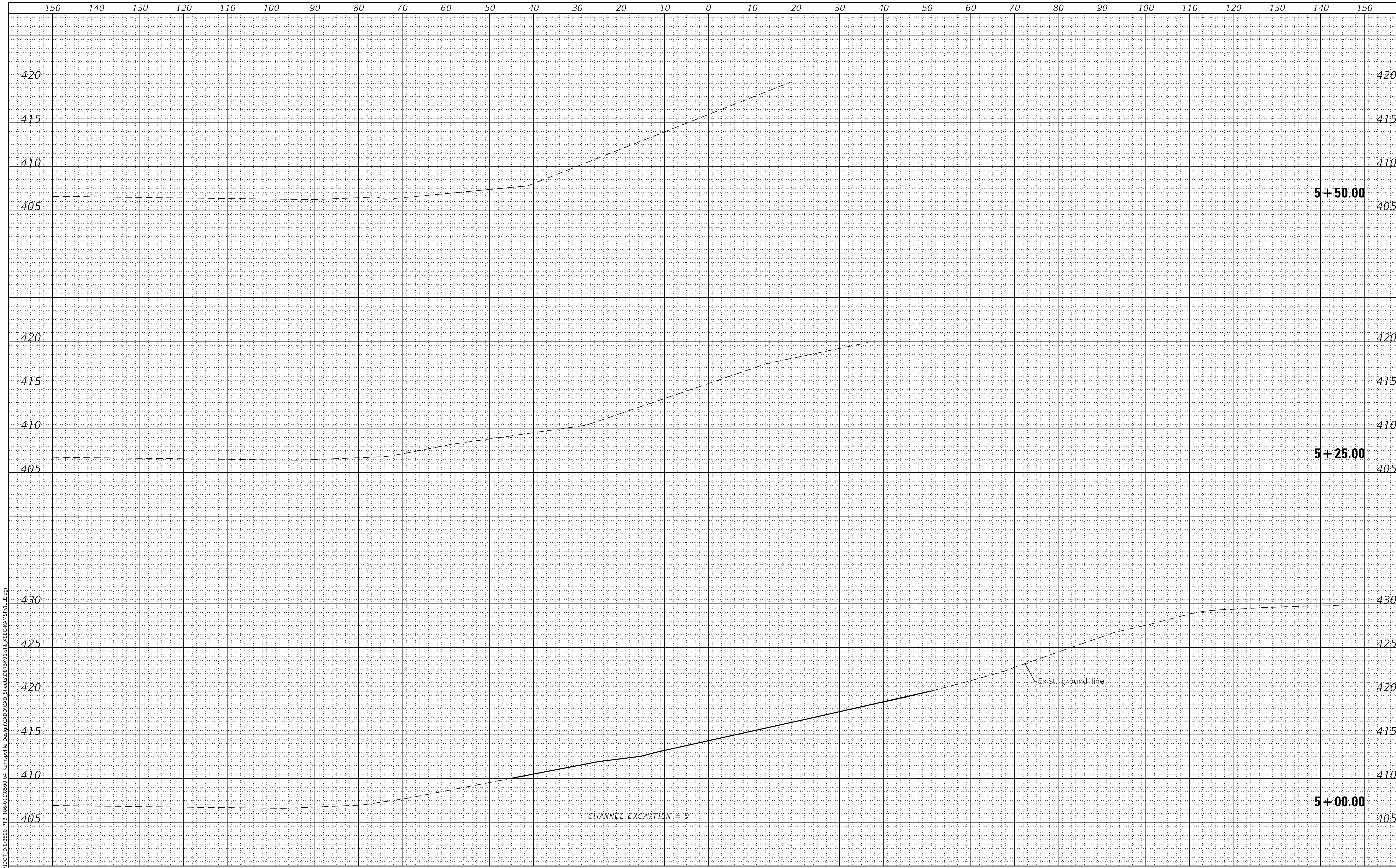
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 10 OF 11 SHEETS | STA. 4+50.00 TO STA. 4+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	36
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		



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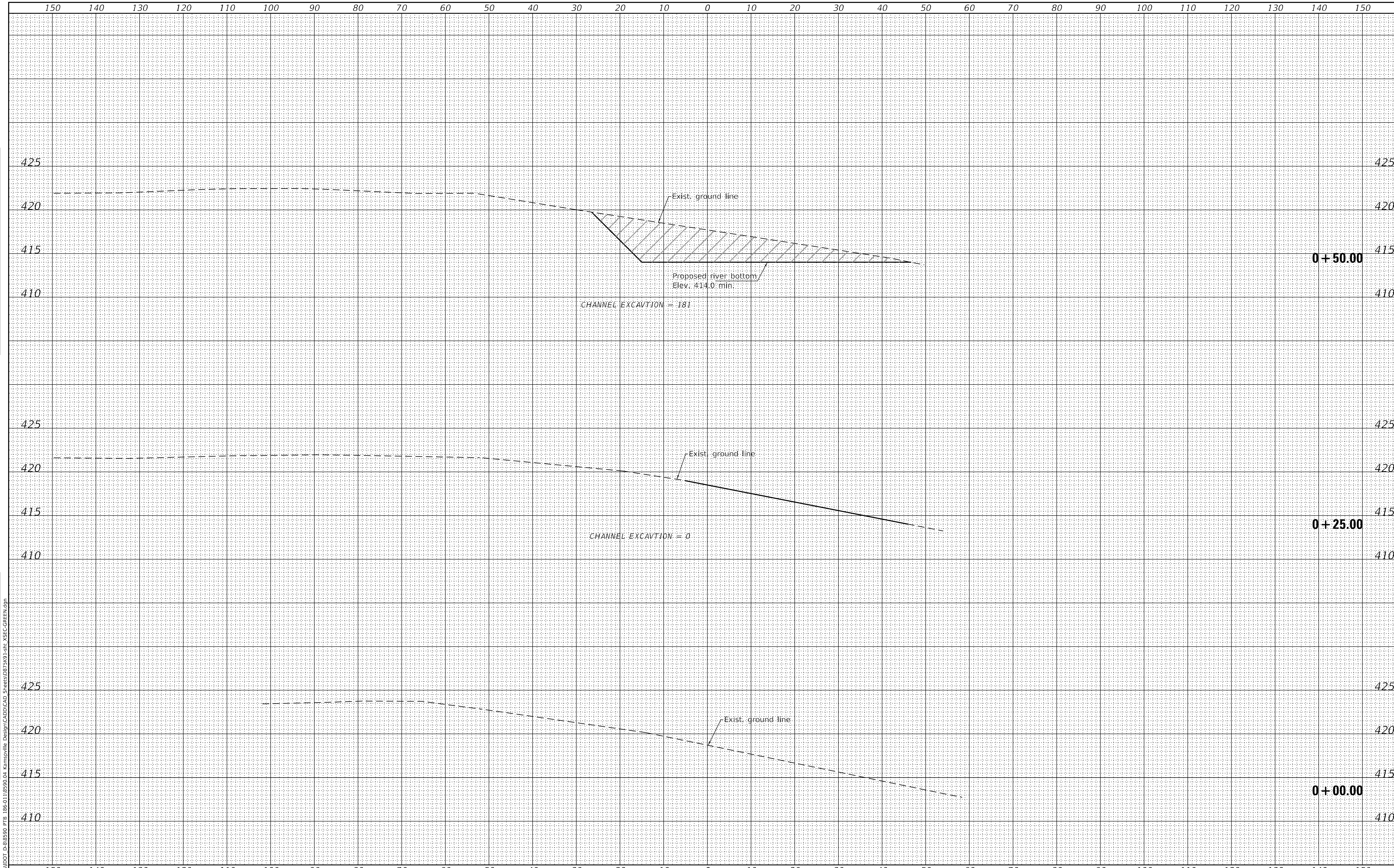
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CALHOUN COUNTY

SCALE: 1" = 10' | SHEET 11 OF 11 SHEETS | STA. 5+00.00 TO STA. 5+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	37
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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design firm
no. 184001036

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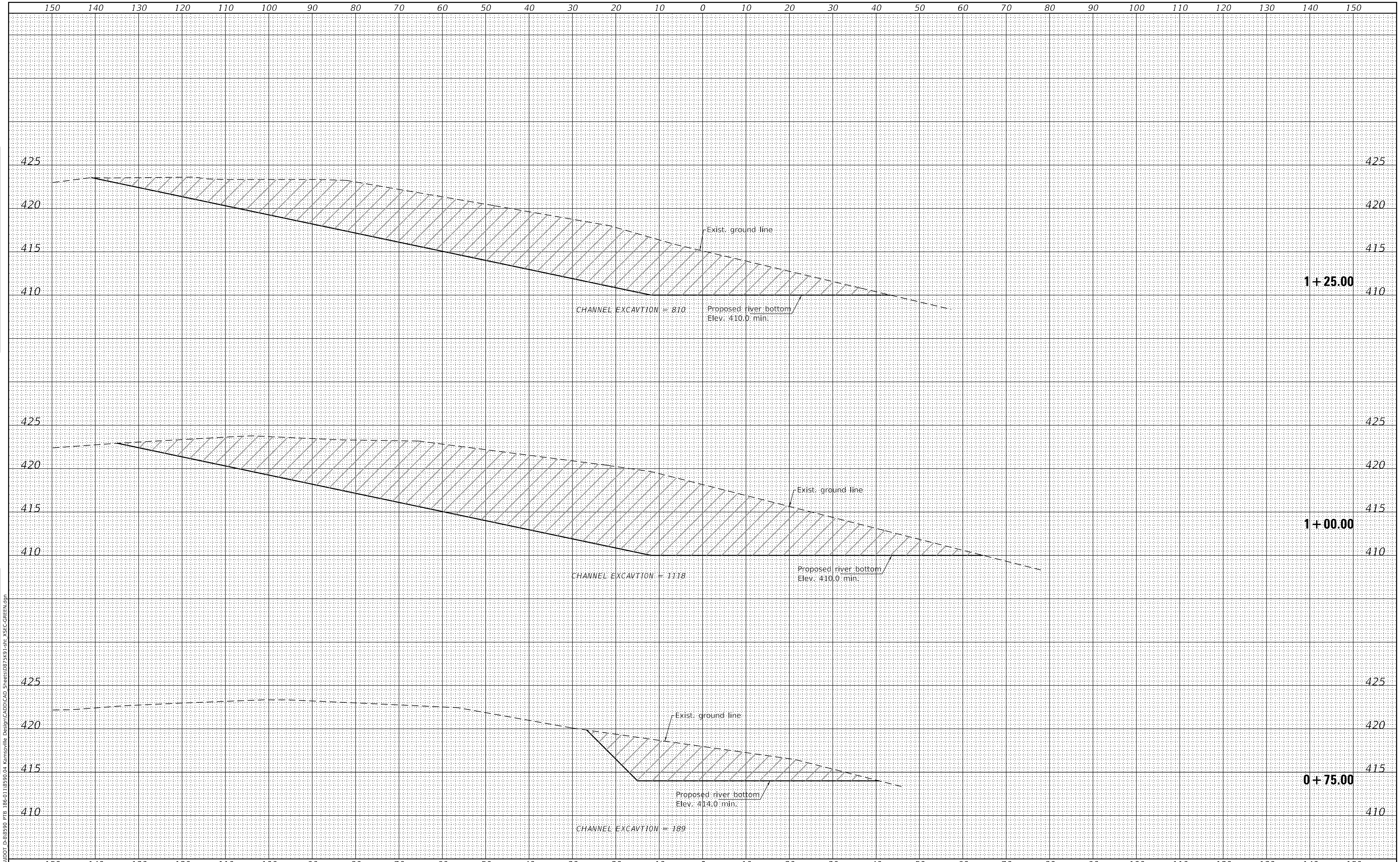
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GREENE COUNTY

SCALE: 1" = 10' | SHEET 1 OF 8 SHEETS | STA. +00.00 TO STA. +50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	38
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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design firm no. 184001036 — whks engineers + planners + land surveyors	USER NAME = $OPERATOR$	DESIGNED - RKA	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - SDS	REVISED	
	PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED	
	PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED	

CROSS SECTIONS
GREENE COUNTY

SCALE: 1" = 10' | SHEET 2 OF 8 SHEETS | STA. +75.00 TO STA. 1+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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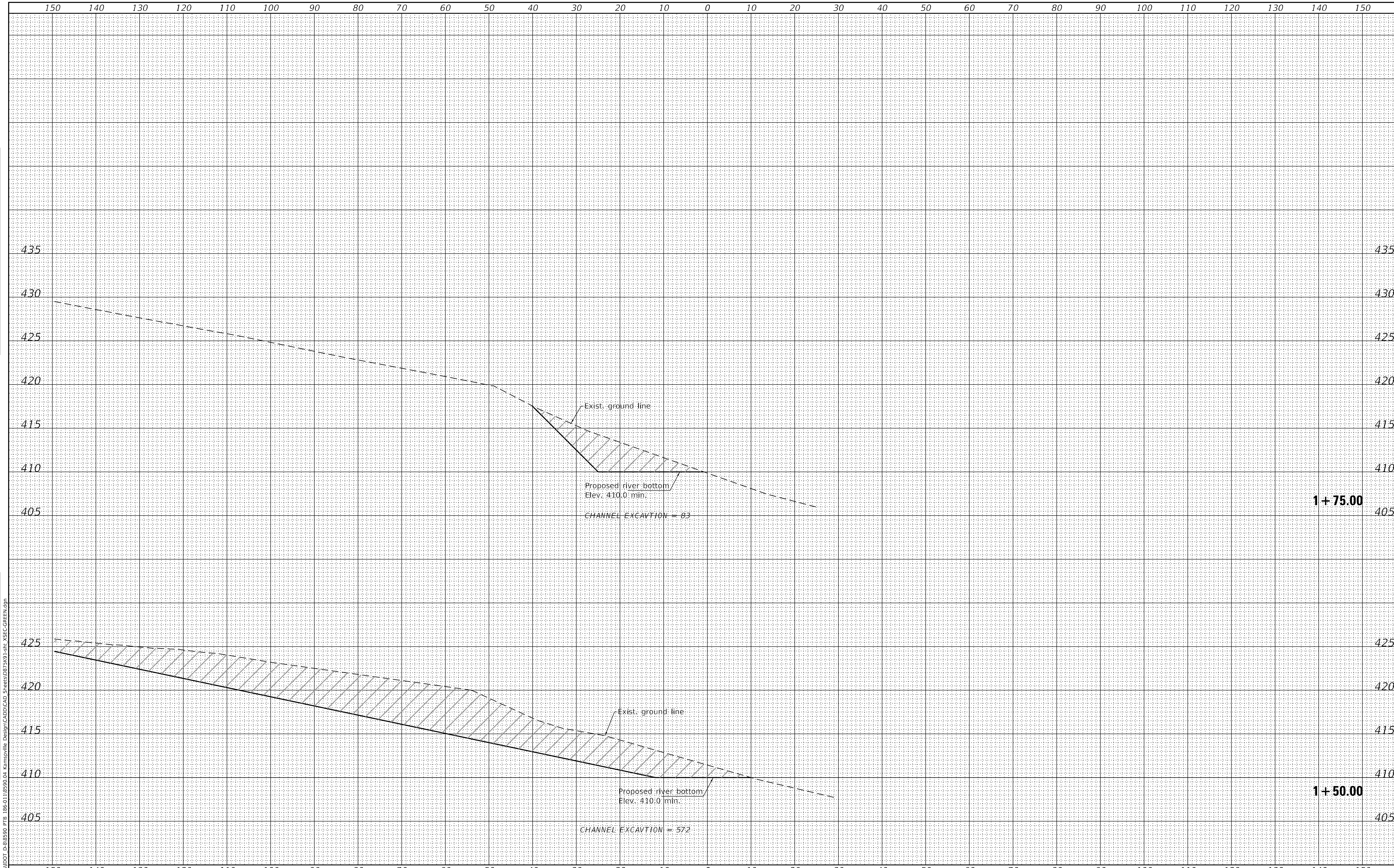
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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

ORIGINAL SURVEY
NOTE BOOK
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SURVEYED
PLOTTED
TEMPLATE
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AREAS CHECKED
BY
DATE

MODEL: Default
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design firm
no. 184001036

whks
engineers + planners + land surveyors

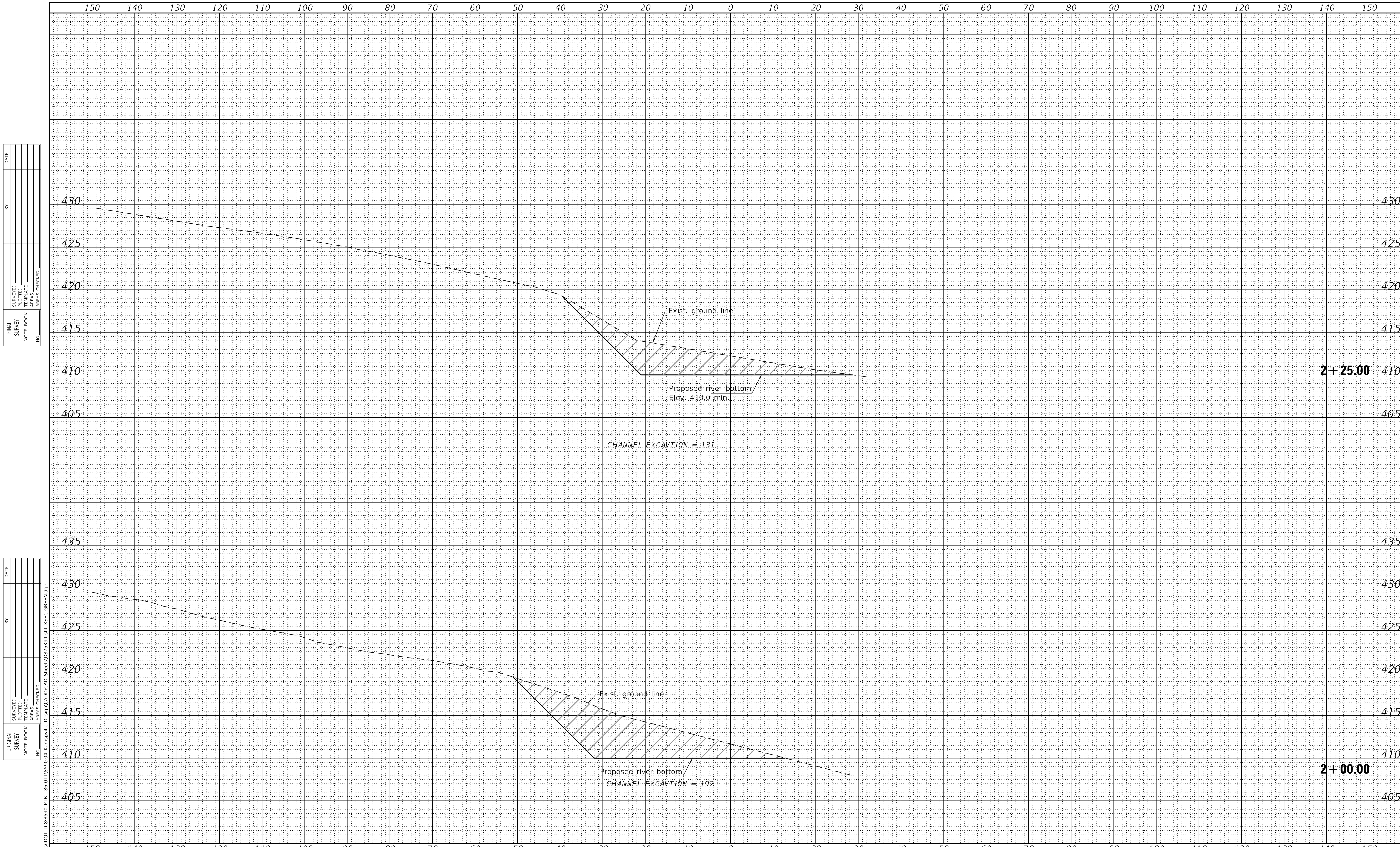
USER NAME = SOPERATORS	DESIGNED - RKA	REVISED	
	CHECKED - SDS	REVISED	
PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED	
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GREENE COUNTY

SCALE: 1" = 10' | SHEET 3 OF 8 SHEETS | STA. 1+50.00 TO STA. 1+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	40
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



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design firm
no. 184001036

whks
engineers + planners + land surveyors

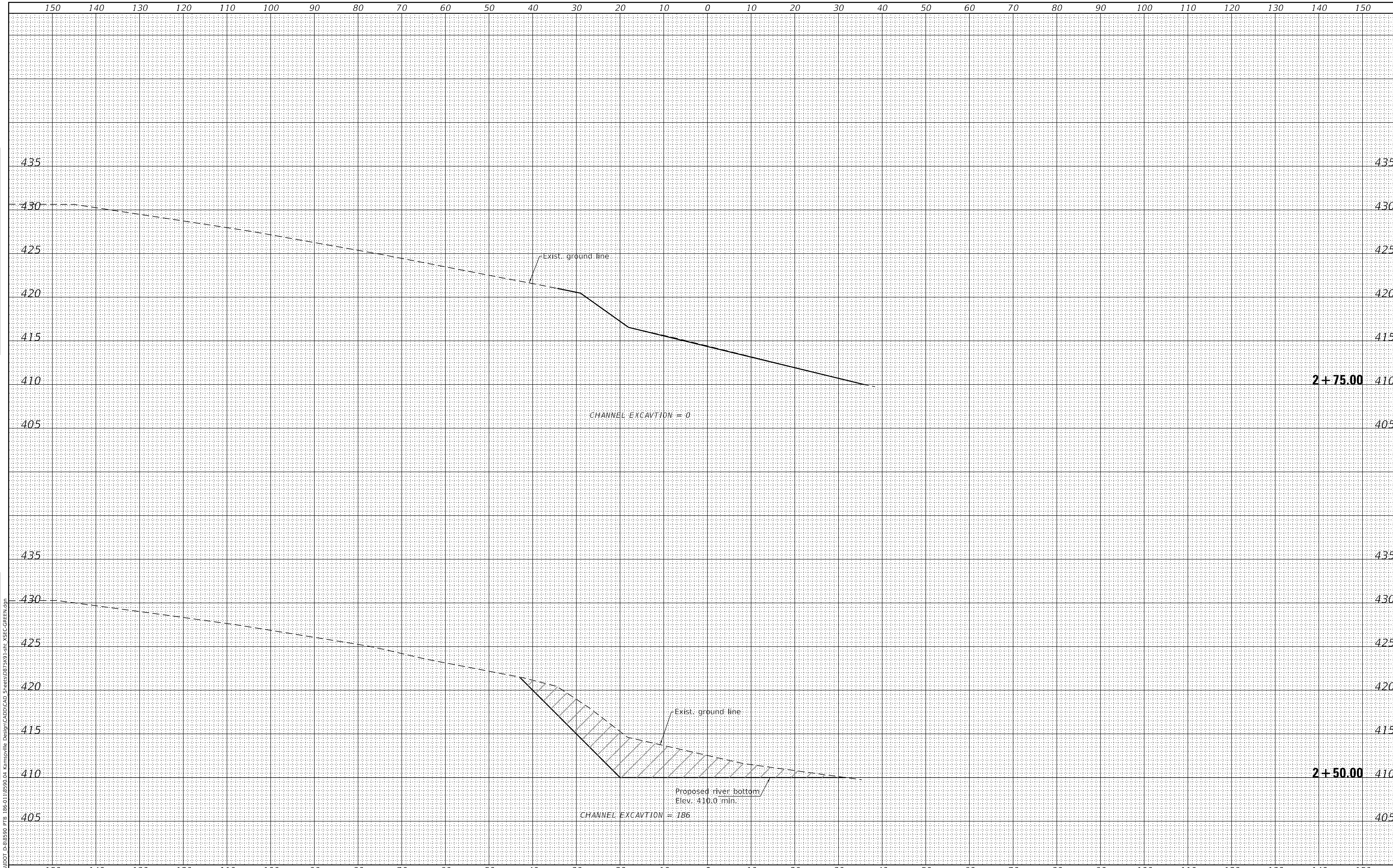
USER NAME = $OPERATOR$	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GREENE COUNTY

SCALE: 1" = 10' | SHEET 4 OF 8 SHEETS | STA. 2+00.00 TO STA. 2+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	41
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		



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

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

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design firm no. 184001036

whks engineers • planners • land surveyors

USER NAME = $OPERATORS	DESIGNED - RKA	REVISED	
	CHECKED - SDS	REVISED	
PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED	
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED	

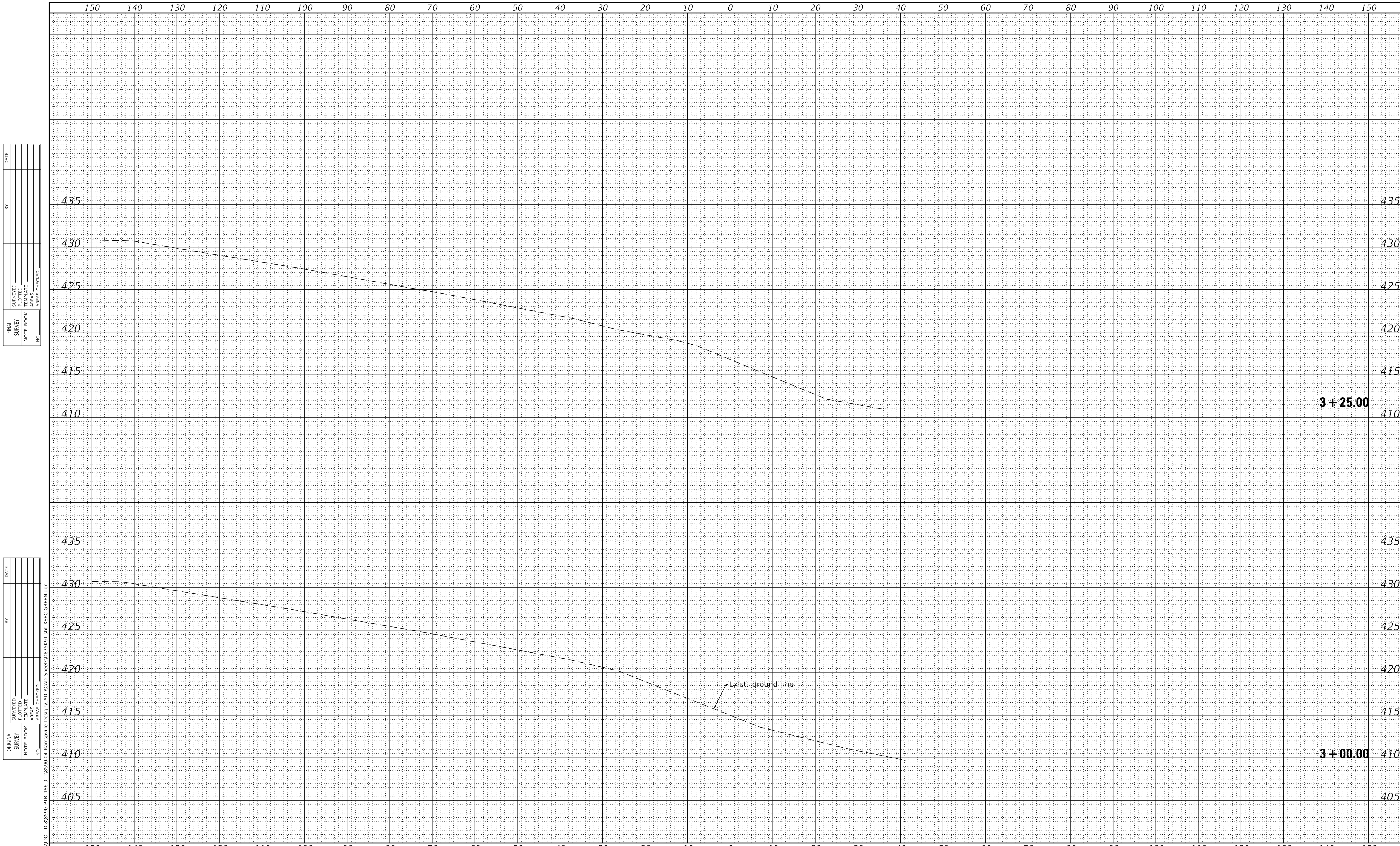
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GREENE COUNTY

SCALE: 1" = 10' | SHEET 5 OF 8 SHEETS | STA. 2+50.00 TO STA. 2+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	42

* CALHOUN & GREENE | ILLINOIS | CONTRACT NO. 76K91



design firm
no. 184001036

whks
engineers + planners + land surveyors

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	CHECKED - SDS	REVISED
PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GREENE COUNTY

SCALE: 1" = 10' | SHEET 6 OF 8 SHEETS | STA. 3+00.00 TO STA. 3+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	43
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		

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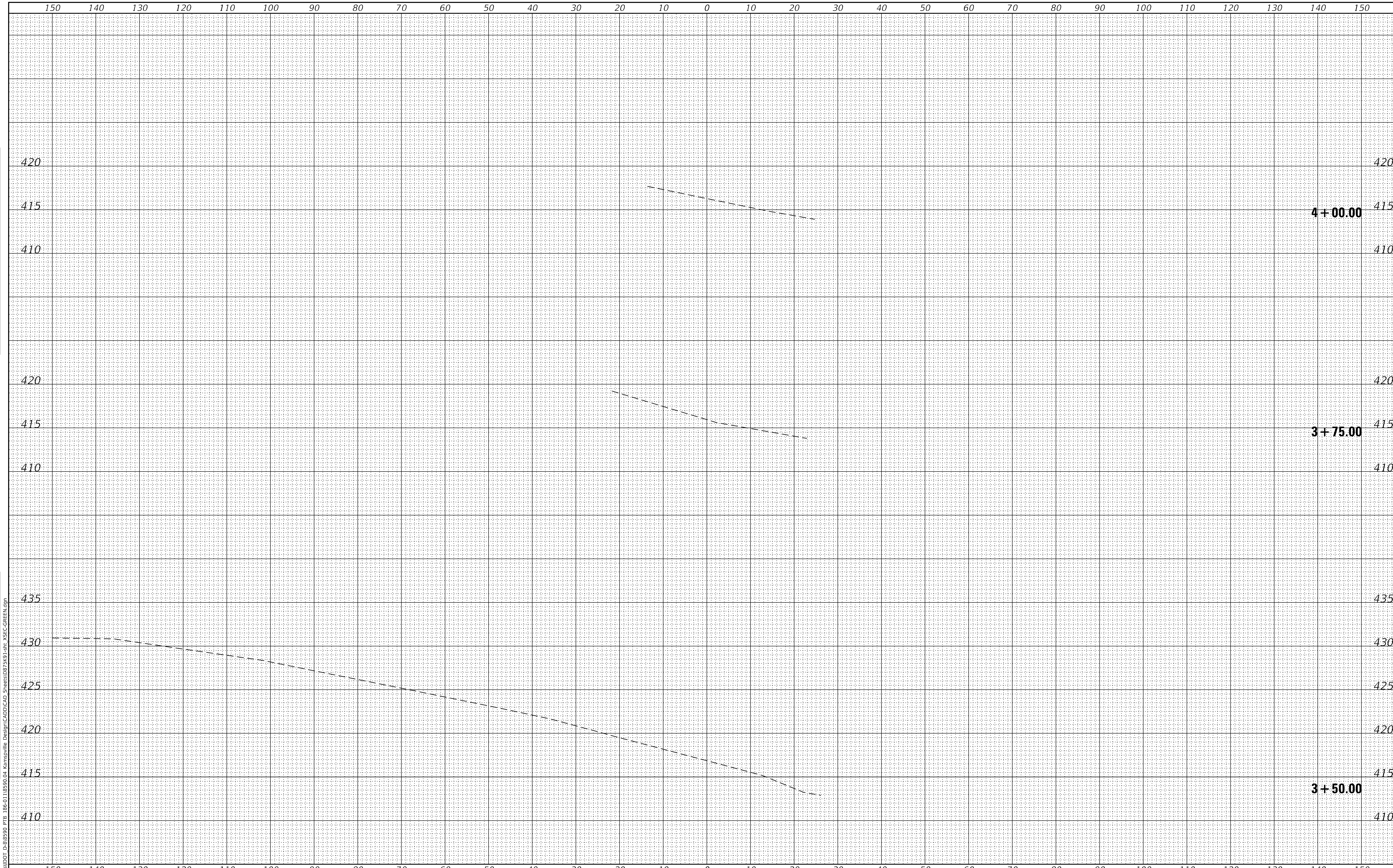

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design firm
no. 184001036

whks
engineers + planners + land surveyors

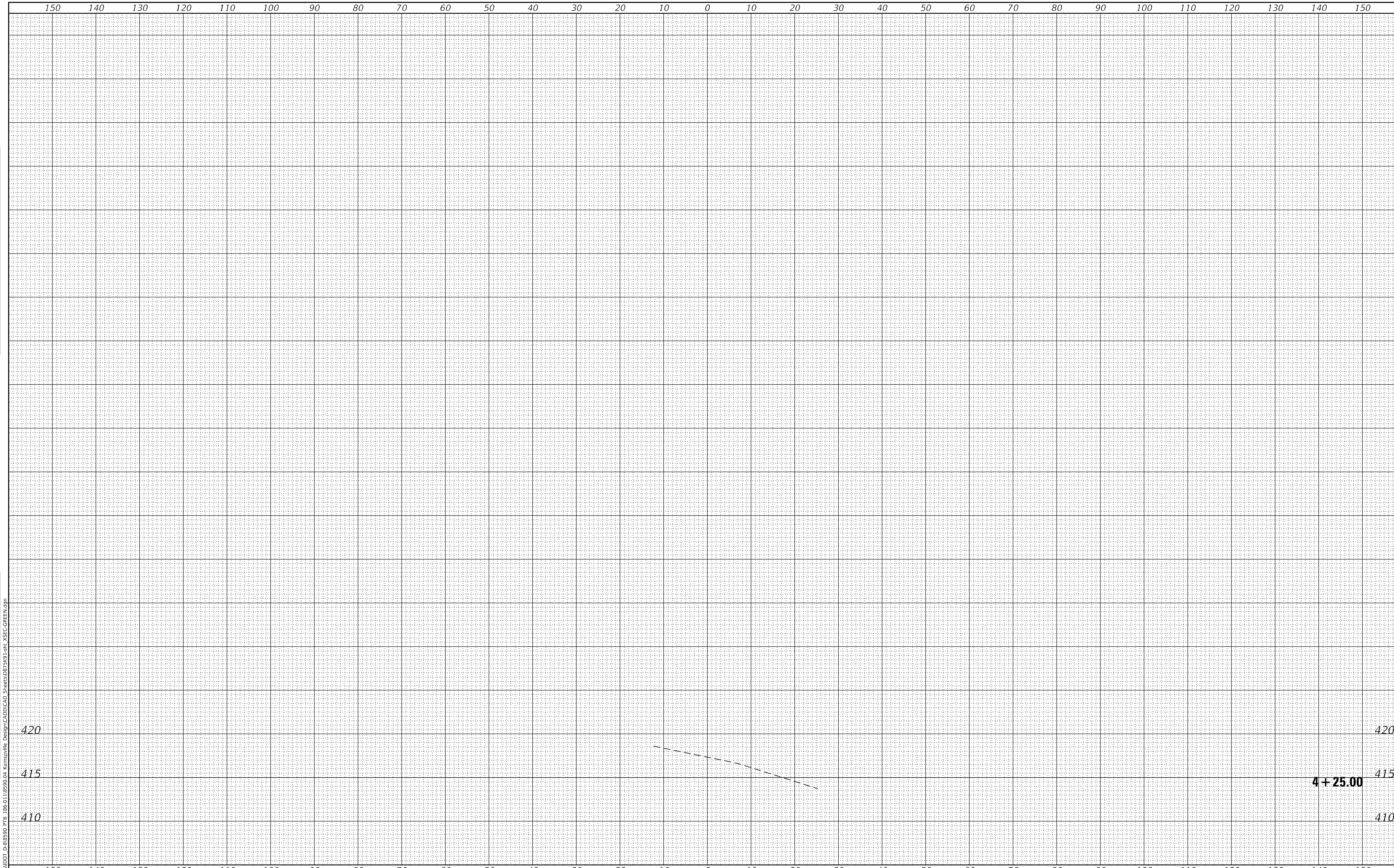
USER NAME = $OPERATOR$	DESIGNED - RKA	REVISED	
	CHECKED - SDS	REVISED	
PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED	
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GREENE COUNTY

SCALE: 1" = 10' | SHEET 7 OF 8 SHEETS | STA. 3+50.00 TO STA. 4+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	44
* CALHOUN & GREENE		ILLINOIS	CONTRACT NO. 76K91	



FINAL SURVEY

NOTE BOOK

NO.

SURVEYED

PLOTTED

TEMPLATE

AREAS

AREAS CHECKED

BY

DATE

ORIGINAL SURVEY

NOTE BOOK

NO.

SURVEYED

PLOTTED

TEMPLATE

AREAS

AREAS CHECKED

BY

DATE

MODEL: Default

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design firm
no. 184001036

whks
engineers + planners + land surveyors

USER NAME = $OPERATOR$	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
PLOT SCALE = 20.0000 ' / in.	DRAWN - GSJ	REVISED
PLOT DATE = 4/30/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GREENE COUNTY

SCALE: 1" = 10' | SHEET 8 OF 8 SHEETS | STA. 4+25.00 TO STA. 4+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
761	101I-6	*	45	45
* CALHOUN & GREENE	ILLINOIS	CONTRACT NO. 76K91		