

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	1

* LAGRANGE WETLAND BANK
** D6 WETLAND MITIGATION 4

INDEX OF SHEETS

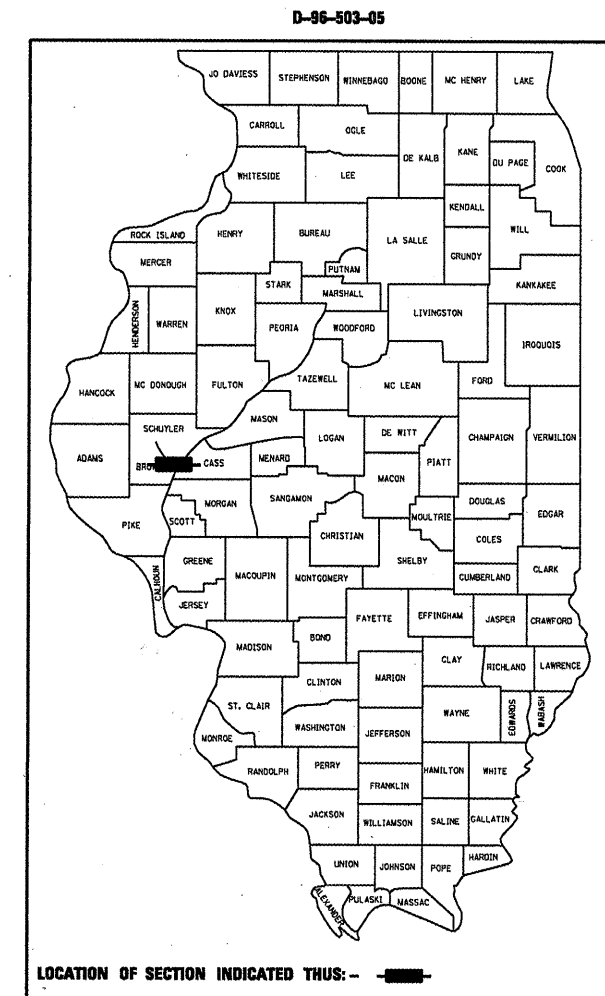
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES & COMMITMENTS
3 - 4	SUMMARY OF QUANTITIES
5 - 6	SCHEDULE OF QUANTITIES
7	SITE MAP - GENERAL PLAN VIEW (ALIGNMENTS & SHEET LAYOUT INFO.)
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29 - 32	PLAN & PROFILE SHEETS - PR ACCESS ROAD (ALIGNMENT B001)
33 - 37	EROSION CONTROL PLAN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS**

NOTE: WHEREVER IN THESE PLANS CONTRACT NO. 72968 IS REFERENCED IT SHALL MEAN CONTRACT NO. 72969

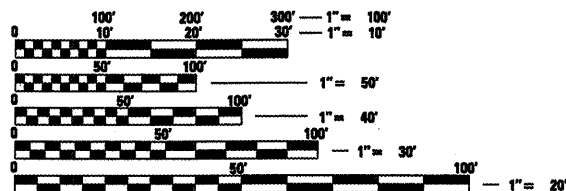
**LA GRANGE WETLAND BANK
D6 WETLAND MITIGATION 4**

**BROWN COUNTY
C-96-071-08**



LIST OF STANDARDS

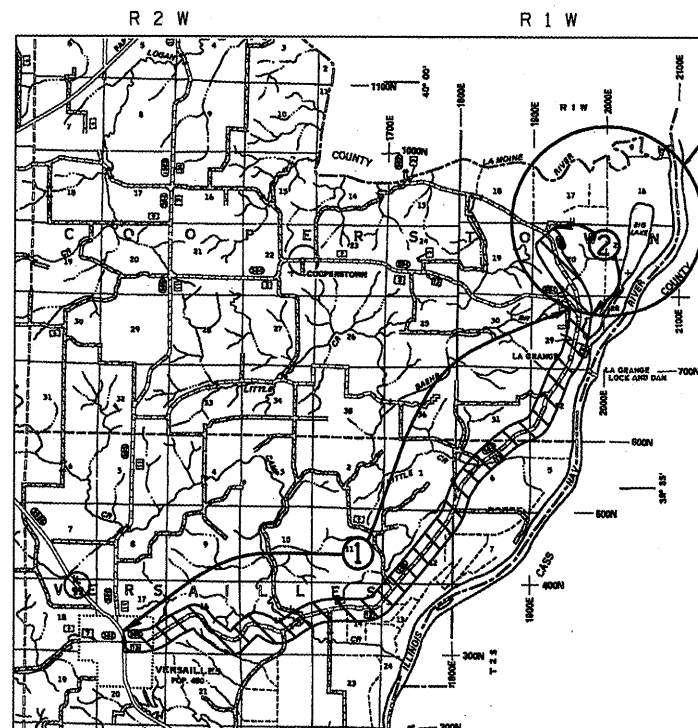
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- 280001-05
- 701001-02
- 701006-03
- 701011-02
- 701201-03
- 701901-03
- 701306-02
- 701901-01
- BLR 21-8



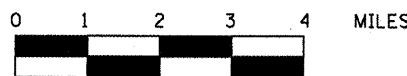
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 72969



LOCATION MAP



TOTAL LENGTH OF IMPROVEMENT AREA = 11,661.64 FEET = 2.209 MILES

LA GRANGE WETLAND BANK PR IMPROVEMENTS CONSIST OF: PLACING AGGREGATE FOR PROPOSED ACCESS ROADS. (SEE DETAILED SITE MAP ON SHEET NO. 8-9)

T 1 S
N
T 2 S

DESIGNATED HAUL ROADS

- ① FAS 582 (CH 12) FROM IL 99 TO FAS 584 (% BROWN COUNTY)
- ② FAS 582 FROM FAS 584 (CH 12) TO JOB SITE (COOPERSTOWN TOWNSHIP)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *February 3, 2010*
Rog Z Dinkler DISTRICT ENGINEER

March 19, 2010
Scott E. Still, P.E. ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010
Christine M. Reed DIRECTOR, DIVISION OF HIGHWAYS

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

Rev.

PROJECT ENGINEER: JOHN C. NEGANGARD (217) 782-6990

GENERAL NOTES

- 1) ALL ELEVATION REFER TO USGS MEAN SEA LEVEL DATUM.
- 2) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. IF THE ENGINEER DECIDES TO HAVE THE CONTRACTOR RESET THE MONUMENT, THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
- 3) THE CONTRACTOR SHALL CONTACT J.U.L.I.E. PRIOR TO ANY EXCAVATION TO HAVE ALL PUBLIC AND PRIVATE UTILITIES LOCATED.
- 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS (800) 892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED. SEE SPECIAL PROVISIONS FOR STATUS OF UTILITIES, WITH UTILITY COMPANIES LISTED.
- 5) ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THE PLANS.
- 6) ALL DETAILS IN THE PLANS SHALL GOVERN CONSTRUCTION OF THIS PROJECT, AND IN CASE OF CONFLICT WITH ANY STANDARD DRAWINGS INCLUDED, THE SAID DETAILS SHALL TAKE PRECEDENCE AND GOVERN.
- 7) THE ONLY, SO-CALLED, PERMANENT SEEDING THAT SHALL BE COMPLETED IN THIS CONTRACT IS SEEDING, CLASS 2. CLASS 2 SHALL BE USED ON ALL DISTURBED AREAS ALONG THE ACCESS ROAD / PARKING AREAS.
- 8) DISTURBANCE TO THE SITE SHALL BE KEPT TO A MINIMUM OUTSIDE THE SHOWN CONSTRUCTION LIMITS. VEHICLES AND EQUIPMENT SHALL BE PARKED WITHIN THE PROPOSED WORK AREAS OR AT THE EXISTING BUILDING LOCATION (AT THE SW CORNER OF THE SITE NEAR THE TOWNSHIP ROAD) WHEN NOT IN USE. WE DO NOT WANT THE EXISTING WETLAND VEGETATION DISTURBED OUTSIDE THE CONSTRUCTION LIMITS. IF THE CONTRACTOR FAILS TO KEEP HIS/HER WORKERS FROM OBEYING THE ABOVE REQUIREMENT, THE RESIDENT ENGINEER WILL DEDUCT AGREED DAMAGES OF \$2,000 PER OCCURANCE FROM THE FINAL PAYMENT AS PART OF THE UNDERSTANDING IN THIS CONTRACT. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGE CAUSED BY THIS DISTURBANCE SUCH AS REGRADING OR RESEEDING.
- 9) THE CONTRACTOR SHALL CORDINATE AND PROVIDE ACCESS TO THE TENANT FARMER OF THE SITE AT ALL TIMES.

COMMITMENTS

- 1) THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND ALLOW IMPROVEMENTS IN THE DESIGN FOR FUTURE PROJECTS.
- 2) ALL SEEDING IS REQUIRED TO BE COMPLETED BY OCTOBER 1ST OF EACH YEAR OF CONSTRUCTION OR BY THE CONTRACT COMPLETION DATE (WHICH EVER COMES FIRST).
- 3) SWPPP.
- 4) APPROVED WETLAND MITIGATION PLAN.
- 5) DISTURBANCE TO THE SITE SHALL BE KEPT TO A MINIMUM.
- 6) 404 PERMIT
- 7) HAUL ROAD AGREEMENT

DISTRICT SIX	
EXAMINED <u>January 30</u>	<u>20 09</u>
<i>Ron J. Haas</i>	
OPERATIONS ENGINEER	
EXAMINED <u>Feb 2</u>	<u>20 09</u>
<i>Ron J. Haas</i>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>February 4</u>	<u>20 09</u>
<i>Reg Z. Sisk</i>	
PROGRAM DEVELOPMENT ENGINEER	

• LAGRANGE WETLAND BANK
 •• D6 WETLAND MITIGATION 4

FILE NAME =	USER NAME = woodsej	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Jan-28-2009 07:14:26AM										
						SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT
						CONTRACT NO. 72969				

SUMMARY OF QUANTITIES		UNITS	TOTAL QUANTITY	CONSTR. CODE
PAY CODE NUMBER	PAY ITEM DESCRIPTION		100% STATE	I000
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
20201000	GRADING AND SHAPING ROADWAY	UNIT	117.0	117.0
25000200	SEEDING, CLASS 2	ACRE	3.5	3.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	315	315
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	315	315
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	315	315
25000700	AGRICULTURAL GROUND LIMESTONE	TON	7	7
25100115	MULCH, METHOD 2	ACRE	3.5	3.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	700	700
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	5,850	5,850
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	3,380	3,380
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	270	270
40300600	SEAL COAT AGGREGATE	TON	1,700	1,700

• LAGRANGE WETLAND BANK
 ** D6 WETLAND MITIGATION 4

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REVISOR -
 REVISIONS -
 CHECKED - JCN
 DATE -

REVISOR -
 REVISIONS -
 REVISOR -
 REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	**	BROWN	37	3
CONTRACT NO. 72968				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEEDING SCHEDULE

LOCATION (STATION TO STATION)	SEEDING CLASS 2	FERTILIZER NUTRIENTS			AG LIME	MULCH METH - 2
		NITR.	PHOS.	POTAS.		
	(ACRE)	(POUND)	(POUND)	(POUND)	(TON)	(ACRE)
<u>ALIGNMENT A001</u> 27+50 TO 120+00	2.5	225	225	225	5.0	2.5
<u>ALIGNMENT B001</u> 324+17 TO 348+00	1.0	90	90	90	2.0	1.0
TOTAL =	3.5	315.0	315.0	315.0	7.0	3.5

ESTIMATED QUANTITIES

ITEMS	UNIT	TOTAL
THE FOLLOWING ITEMS INCLUDE ESTIMATED QUANTITIES FOR HAUL ROAD REPAIRS (SEE SPECIAL PROVISIONS)		
BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	270
SEAL COAT AGGREGATE	TON	1,700
CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	100
CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	100
CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	100
THE FOLLOWING ITEMS INCLUDE ESTIMATED QUANTITIES FOR HANDLING TEMPORARY EROSION CONTROL (SEE SPECIAL PROVISIONS)		
TEMPORARY EROSION CONTROL SEEDING	POUND	700

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION NO.4

ROADWAY SCHEDULE

LOCATION	GRADING AND SHAPING ROADWAY (UNIT)	SUB-BASE GRAN. T-B 4" THICK (TON)	AGG. SURF. T-A 2" THICK (TON)
<u>ALIGNMENT A001g</u>			
STA 27+50 TO STA 120+00	93	3910.0	1895.0
RT STA 37+00 (FIELD ENTRANCE 50' LONG)			40.0
LT STA 42+00 (FIELD ENTRANCE 50' LONG)			40.0
RT STA 42+00 (FIELD ENTRANCE 50' LONG)			40.0
LT STA 47+00 TO STA 48+00 (PARKING LOT)		76.0	38.0
LT STA 56+00 (FIELD ENTRANCE 50' LONG)			40.0
RT STA 56+00 (FIELD ENTRANCE 50' LONG)			40.0
LT STA 74+00 (FIELD ENTRANCE 60' LONG)			46.0
RT STA 74+00 (FIELD ENTRANCE 70' LONG)			53.0
RT STA 76+00 TO STA 77+00 (PARKING LOT)		76.0	38.0
LT STA 78+00 (FIELD ENTRANCE 60' LONG)			46.0
RT STA 78+00 (FIELD ENTRANCE 70' LONG)			53.0
RT STA 100+00 TO STA 101+00 (PARKING LOT)		76.0	38.0
RT STA 115+00 TO STA 117+88 (PARKING LOT & CUL-DE-SAC)		360.0	180.0
LT STA 117+00 (FIELD ENTRANCE 70' LONG)			53.0
<u>ALIGNMENT B001</u>			
STA 324+17 TO STA 348+00	24	1012.0	490.0
RT STA 323+62 TO STA 326+10 (PARKING LOT & CUL-DE-SAC)		340.0	170.0
RT STA 330+00 (FIELD ENTRANCE 50' LONG)			40.0
RT STA 333+50 (FIELD ENTRANCE 50' LONG)			40.0
TOTAL =	117	5850.0	3380.0

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION NO.4

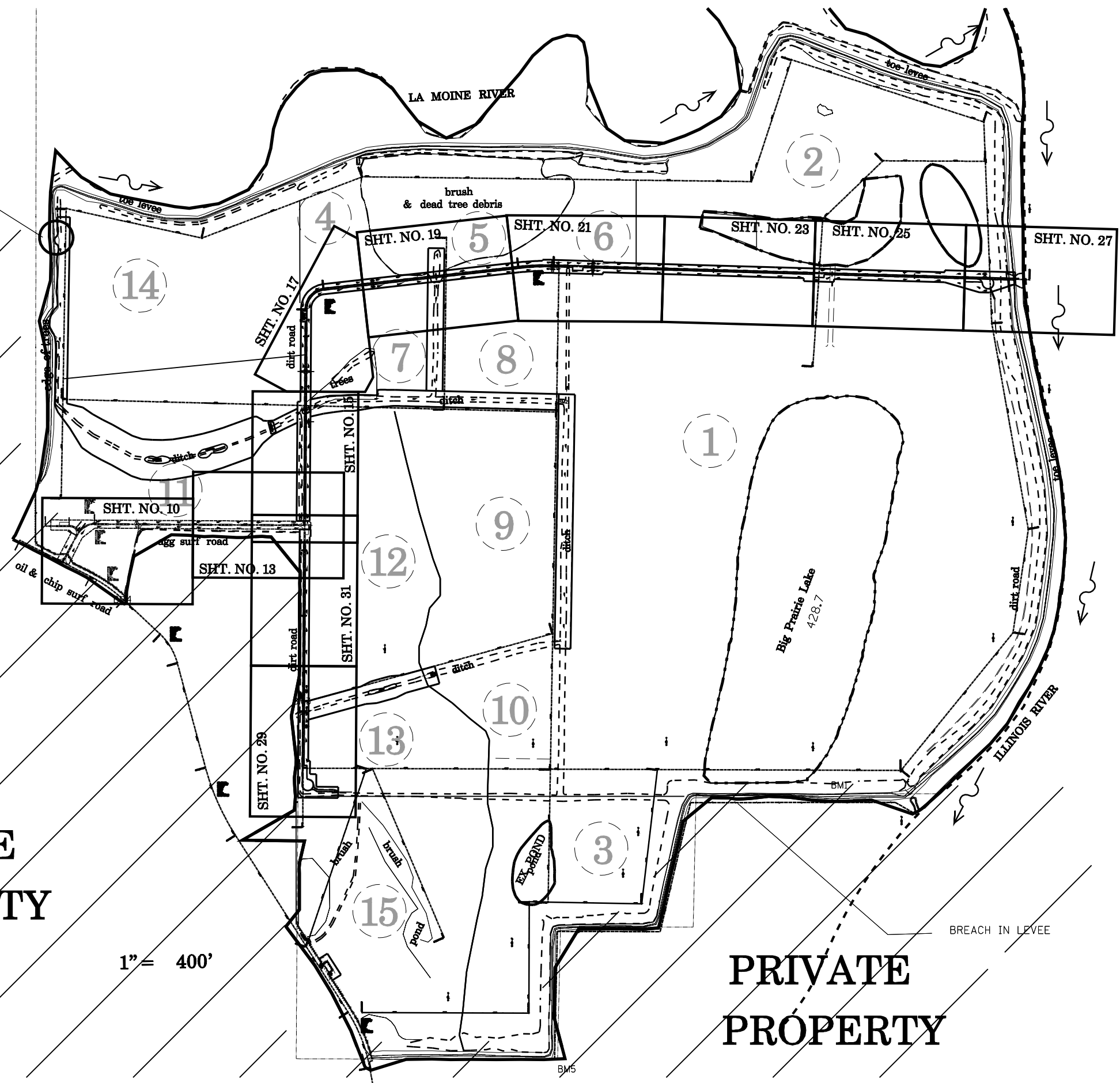
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	6
CONTRACT NO. 72968				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PRIVATE
PROPERTY

PRIVATE
PROPERTY

PRIVATE
PROPERTY

ROAD ALIGNMENTS

1" = 400'

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

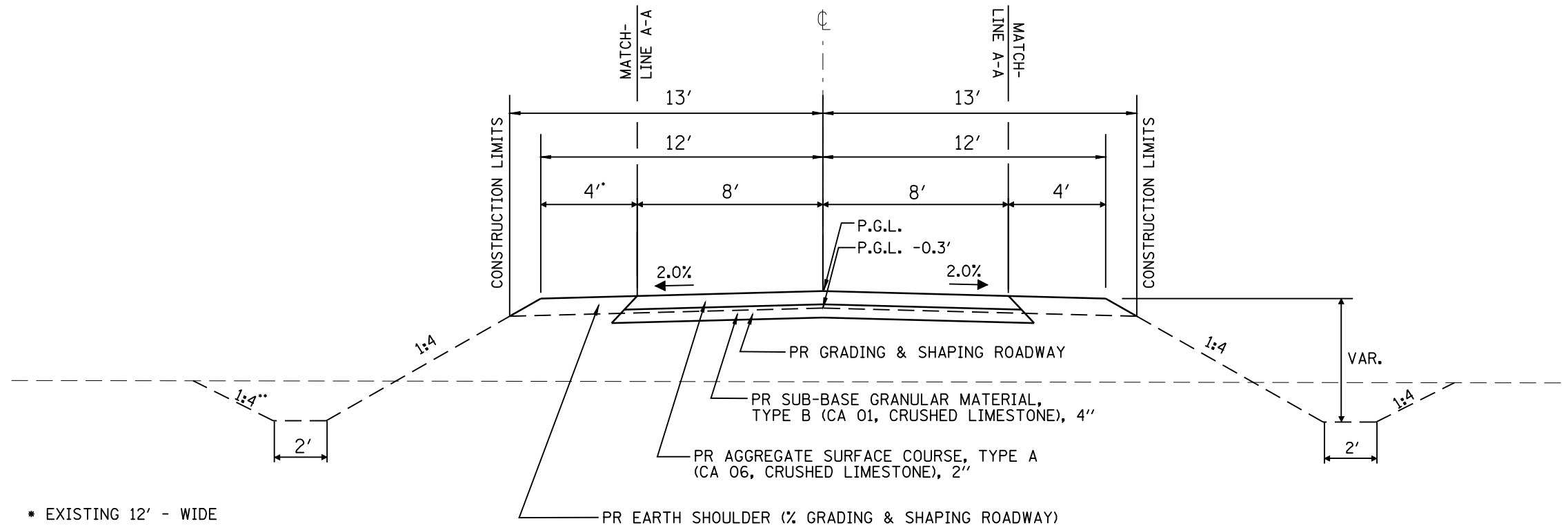
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SITE MAP - GENERAL PLAN VIEW
ALIGNMENT & SHHET LAYOUT**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72968				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

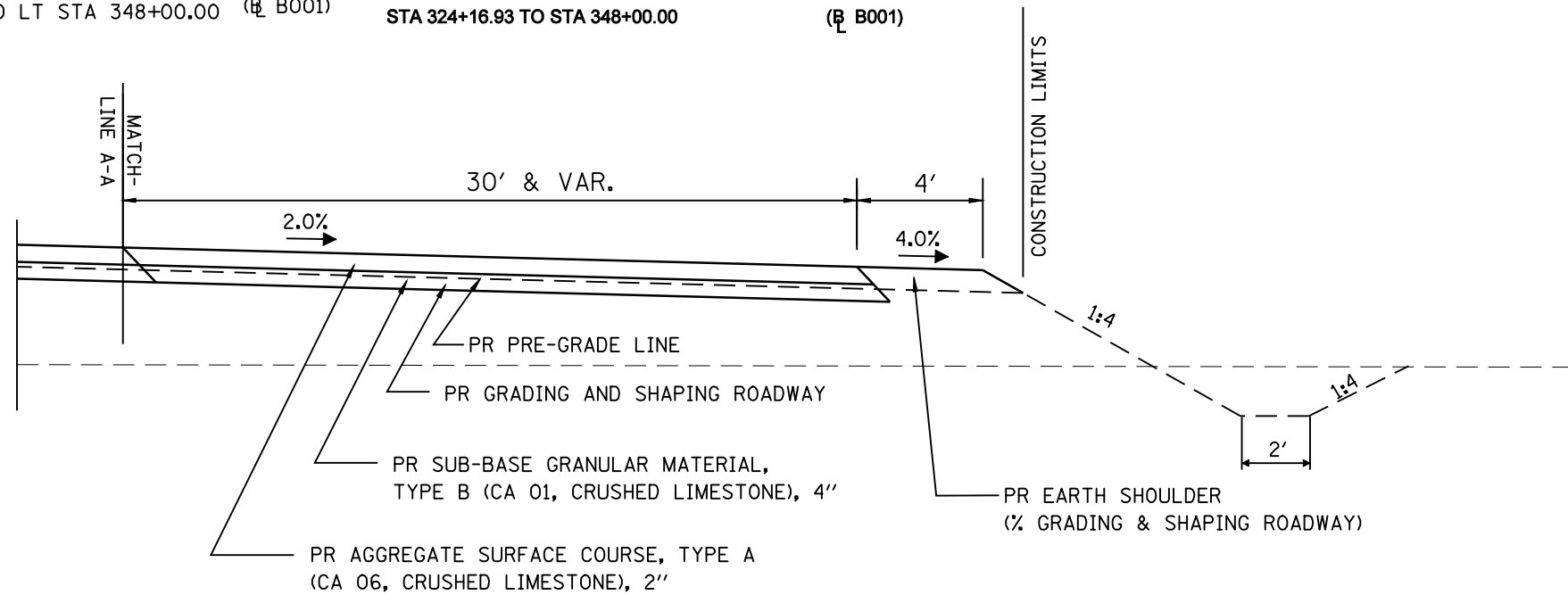


* EXISTING 12' - WIDE SHOULDER INSTEAD OF 4' - WIDE AT THE FOLLOWING LOCATIONS.

- LT STA 27+50.00 TO LT STA 42+00.00 (R A001a)
- LT STA 325+00.00 TO LT STA 348+00.00 (R B001)

TYPICAL CROSS SECTION #1 - ACCESS ROADS (GRADING ONLY)

- STA. 27+50.00 TO STA 120+00.00 (R A001a)
- STA 324+16.93 TO STA 348+00.00 (R B001)

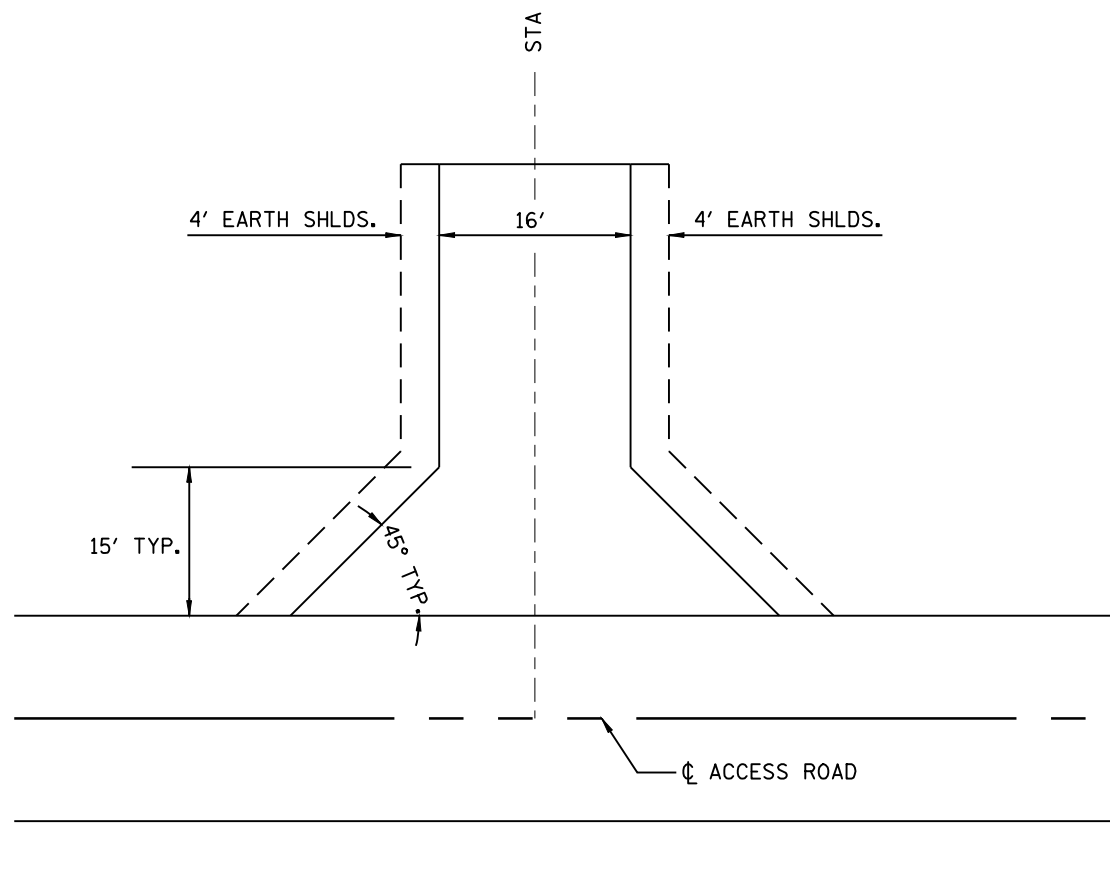


CUL-DE-SAC & PARKING LOT TYPICAL CROSS SECTION

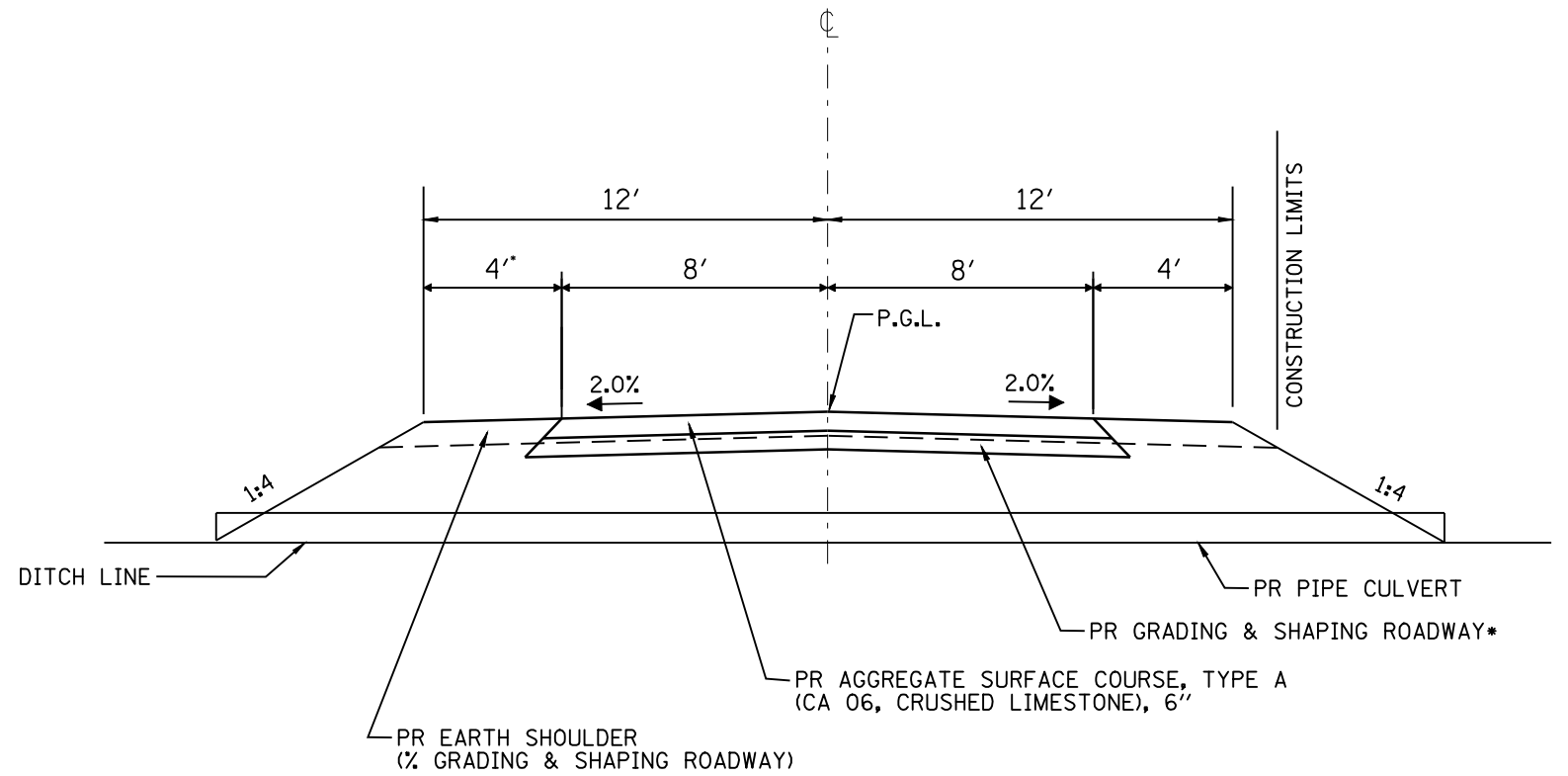
- LT STA 47+00.00 TO LT STA 48+00.00 (R A001a) - PARKING LOT
- RT STA 76+00.00 TO RT STA 77+00.00 (R A001a) - PARKING LOT
- RT STA 100+00.00 TO RT STA 101+00.00 (R A001a) - PARKING LOT/CUL-DE-SAC
- RT STA 115+00.00 TO RT STA 117+88.18 (R A001a) - PARKING LOT/CUL-DE-SAC
- RT STA 323+61.95 TO RT STA 326+10.00 (R B001) - PARKING LOT

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED - JCN	REVISED -		CONTRACT NO. 72969							
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



PLAN VIEW
(TYPICAL FIELD ENTRANCE)



CROSS SECTIONAL VIEW
(TYPICAL FIELD ENTRANCE, PREGRADE ONLY AREAS)

NOTE: USE SAME PAVEMENT STRUCTURE AS FOR ACCESS ROADS

* WORK INCLUDED AS PART OF MAINLINE GRADING & SHAPING OF ROADWAY - NOT MEASURED SEPERATELY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 72969	

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

FIELD # 11
STATE OF ILLINOIS



EXIST. CURVE CUR8600
 PI STA. = 9+22.84
 $\Delta = 40^\circ 07' 48''$ (RT)
 D = 57' 17' 45"
 R = 100.00'
 T = 36.53'
 L = 70.04'
 E = 6.46'
 e = N.C.
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 8+86.31
 P.T. STA. = 9+56.35

EXIST. CURVE 6000
 PI STA. = 504+27.64
 $\Delta = 63^\circ 09' 21''$ (RT)
 D = 28' 38' 52"
 R = 200.00'
 T = 122.93'
 L = 220.46'
 E = 34.76'
 e = N.C.
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 503+04.71
 P.T. STA. = 505+25.16

EXIST. CURVE 5042
 PI STA. = 5058+44.95
 $\Delta = 15^\circ 56' 03''$ (LT)
 D = 3' 55' 07"
 R = 1,462.13'
 T = 204.63'
 L = 406.62'
 E = 14.25'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 5056+40.32
 P.T. STA. = 5060+46.94

STA 101+00.00, 258' LT
 N 1204005.31
 E 2189546.04
 END CABLE A/C FENCE
 PR PROPERTY MARKER

EX PARKING LOT
 (30' W x 100' L)

POT Sta 6+50.00

+86.31
 38' LT

+86.31
 38' LT

+86.31
 38' LT

POT Sta 505+25.16

16' AGG +40
 FE

1510+00

514+00.00

STA 5066+86.79
 60.22' LT
 N 1203473.72
 E 2189545.64
 PROPERTY MARKER

FUTURE SITE OFFICE

FIELD # 11
STATE OF ILLINOIS

STA 5066+53.68
 40.00' LT
 N 1203440.99
 E 2189565.14

STA 500+87.65
 12.00' LT
 N 1203349.89
 E 2189847.15

STA 503+50.0 (A001) =
 STA 10+00.00 (A001B)

EX CABLE
 A/C FENCE
 (STD 636001)

STA 5064+43.15
 40.00' LT
 N 1203344.53
 E 2189753.19

EX ACCESS CONTROL GATE
 DOUBLE - 30 FOOT

STA 500+87.65
 12.00' RT
 N 1203262.41
 E 2189913.30

STA 500+00.00 (A001) =
 STA 5063+50.00 (Z100)

STA 5062+62.94
 40.00' LT
 N 1203252.63
 E 2189919.02

EX CABLE
 A/C FENCE
 (STD 636001)

STA 5056+62.70
 40.00' LT
 N 1202940.64
 E 2190428.86
 END CABLE A/C FENCE
 PR PROPERTY MARKER

EX CABLE GATE, 30'

STA 5056+32.70
 40' LT
 N 1202921.06
 E 2190451.59

STA. 5056+22.70
 40' LT
 END CABLE FENCE
 (STD 636001)

PRIVATE PROPERTY
 (ROGER REESE)

PRIVATE PROPERTY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

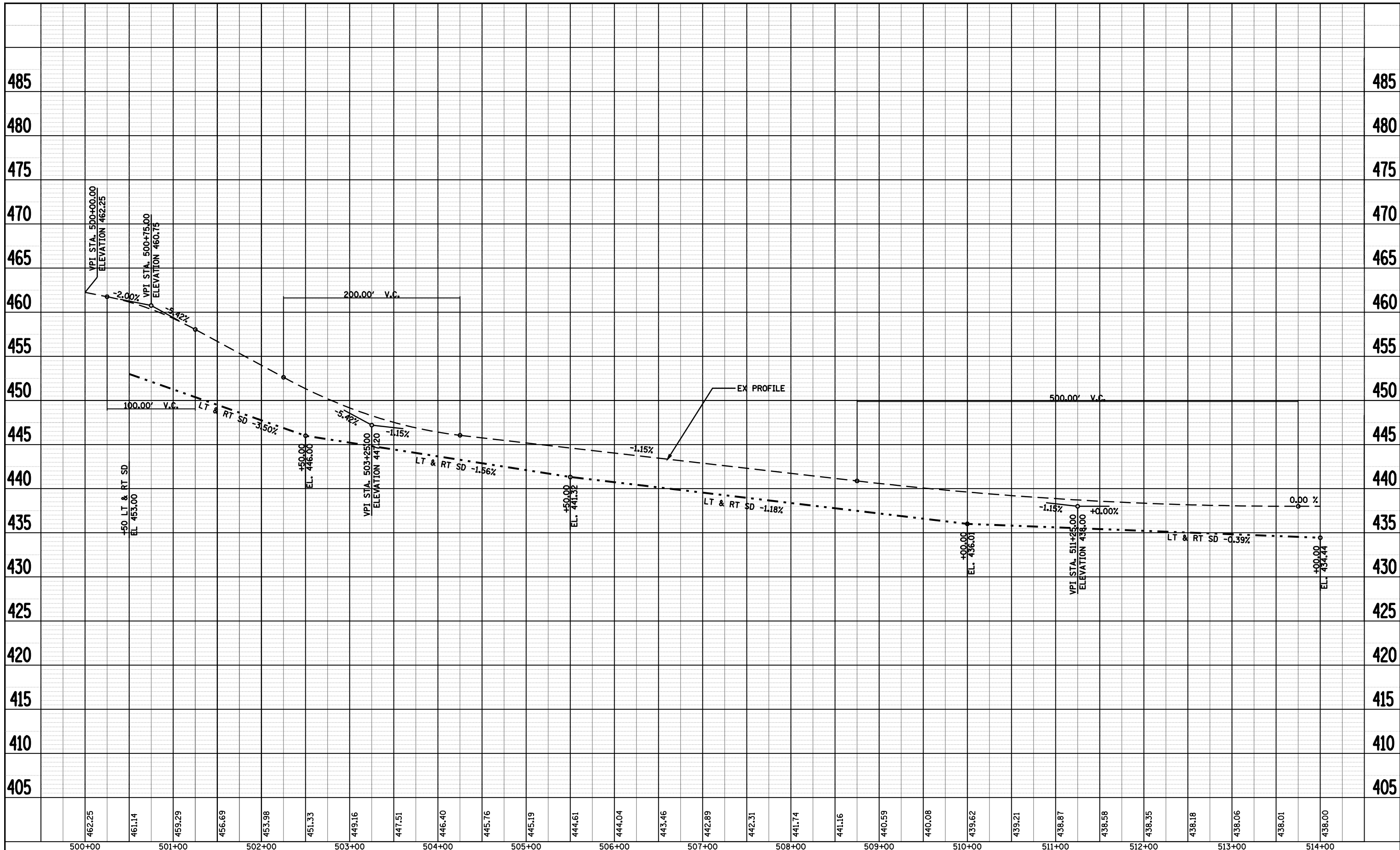
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	BROWN	37	10
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• LAGRANGE WETLAND BANK
 •• D6 WETLAND MITIGATION 4

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

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	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



FOR INFORMATION ONLY

- LAGRANGE WETLAND BANK
- D6 WETLAND MITIGATION 4

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

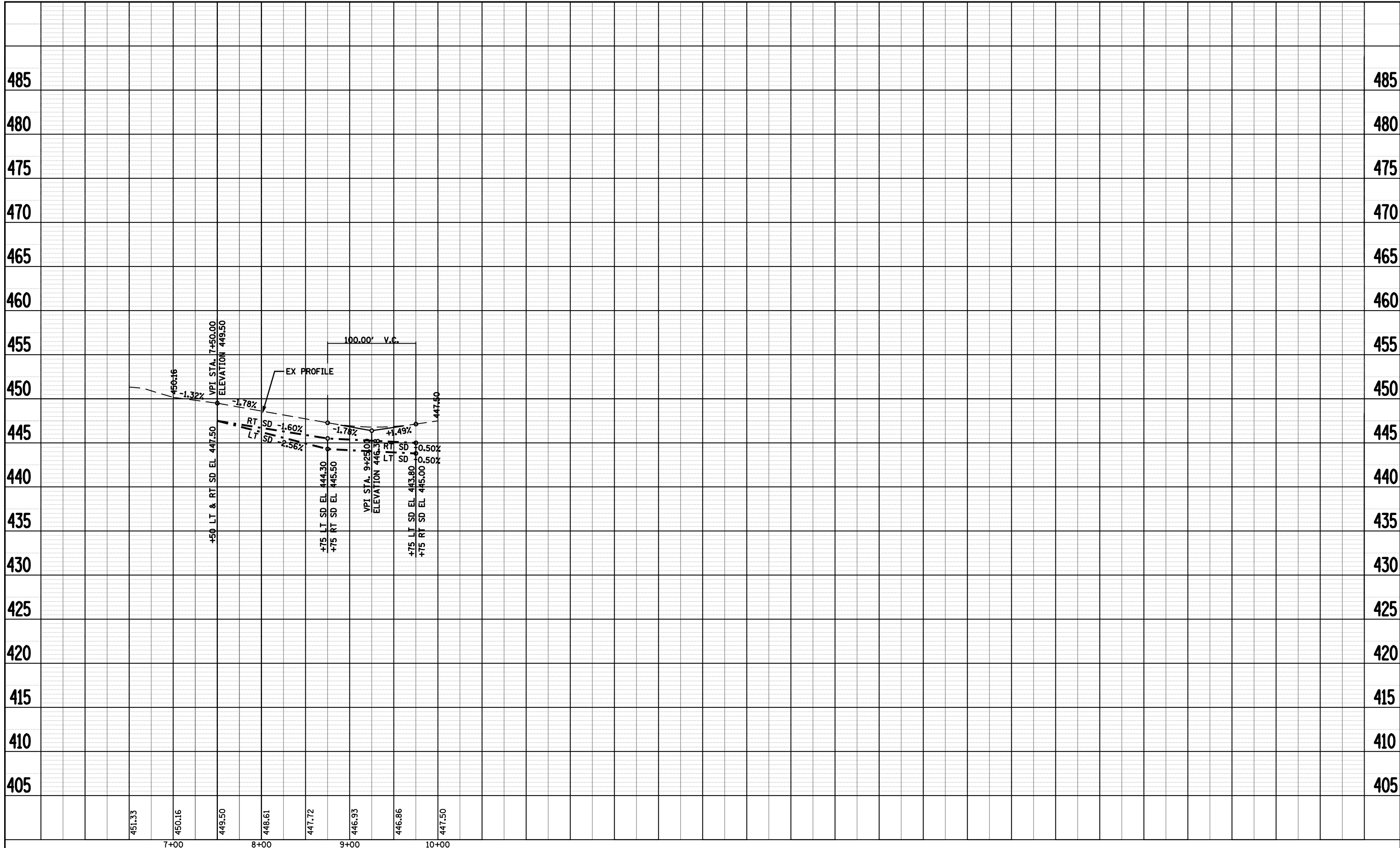
PROFILE SHEET - A001

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	BROWN	37	11
CONTRACT NO. 72969				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



FOR INFORMATION ONLY • LAGRANGE WETLAND BANK
 ** D6 WETLAND MITIGATION 4

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
c:\pwwork\pwwid\LAUGHLINR\dm28174\shp\prof\001b.dgn		DRAWN - EJW	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED - JCN	REVISED -
PLOT DATE = Feb-03-2010 04:29:45PM		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET - A001b

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	12
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

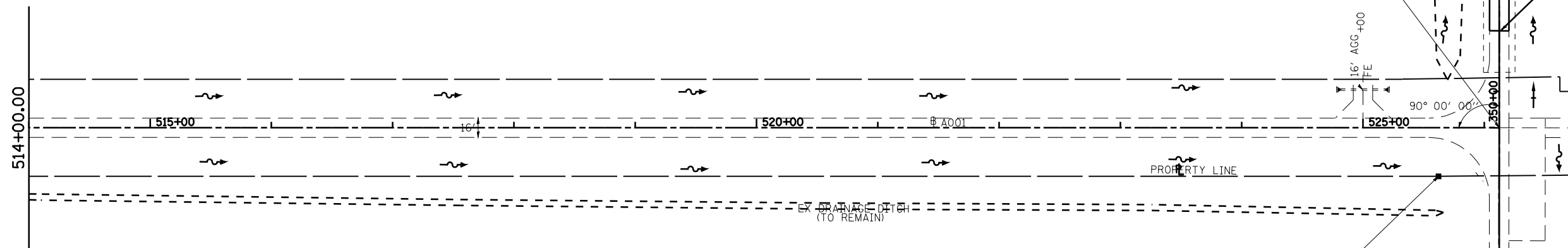
FIELD # 11
STATE OF ILLINOIS



STA 26+70.15 - A001a (AH) =
STA 350+00.00 - B001 (BK) =
STA 526+12.36 - A001 (BK)

STA 27+50.00 (A001a)
BEGIN PROJECT
BEGIN IMPROVEMENT
ON B A001a

FIELD # 12
STATE OF ILLINOIS



N 1203751.4252 E 2192680.1437
EX PROPERTY MARKER

PRIVATE PROPERTY
(ROGER REESE)

STA 348+00.00 (B001)
END PROJECT
END IMPROVEMENT
ON B B001

* LAGRANGE WETLAND BANK
** D6 WETLAND MITIGATION 4

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
et:\pw\work\PWIDOT\LAUGHLINRL\dms28174\SttPlanA001.dgn		DRAWN - EJW	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED - JCN	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

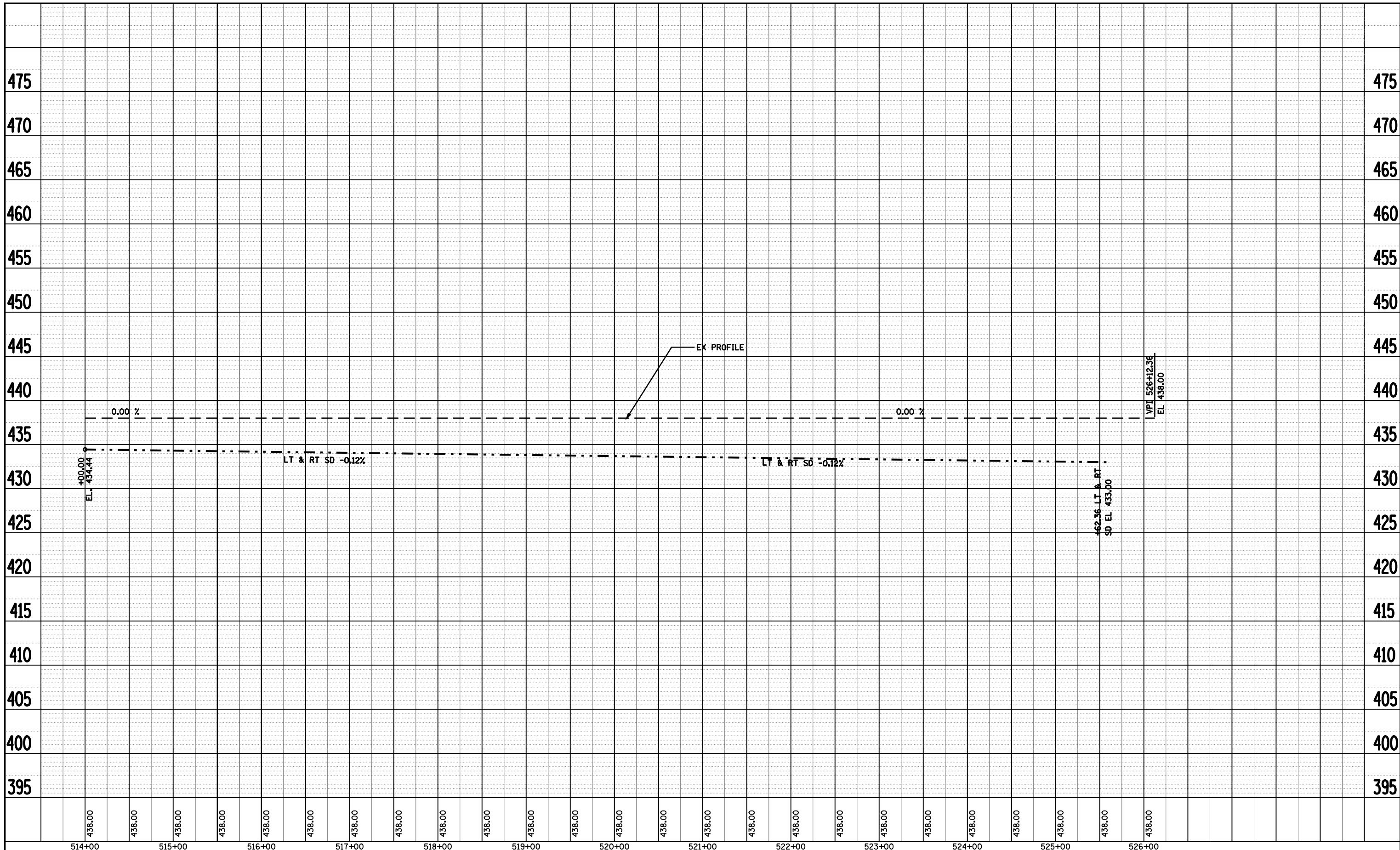
PLAN SHEET - A001

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	13
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



FOR INFORMATION ONLY

- LAGRANGE WETLAND BANK
- D6 WETLAND MITIGATION NO.3

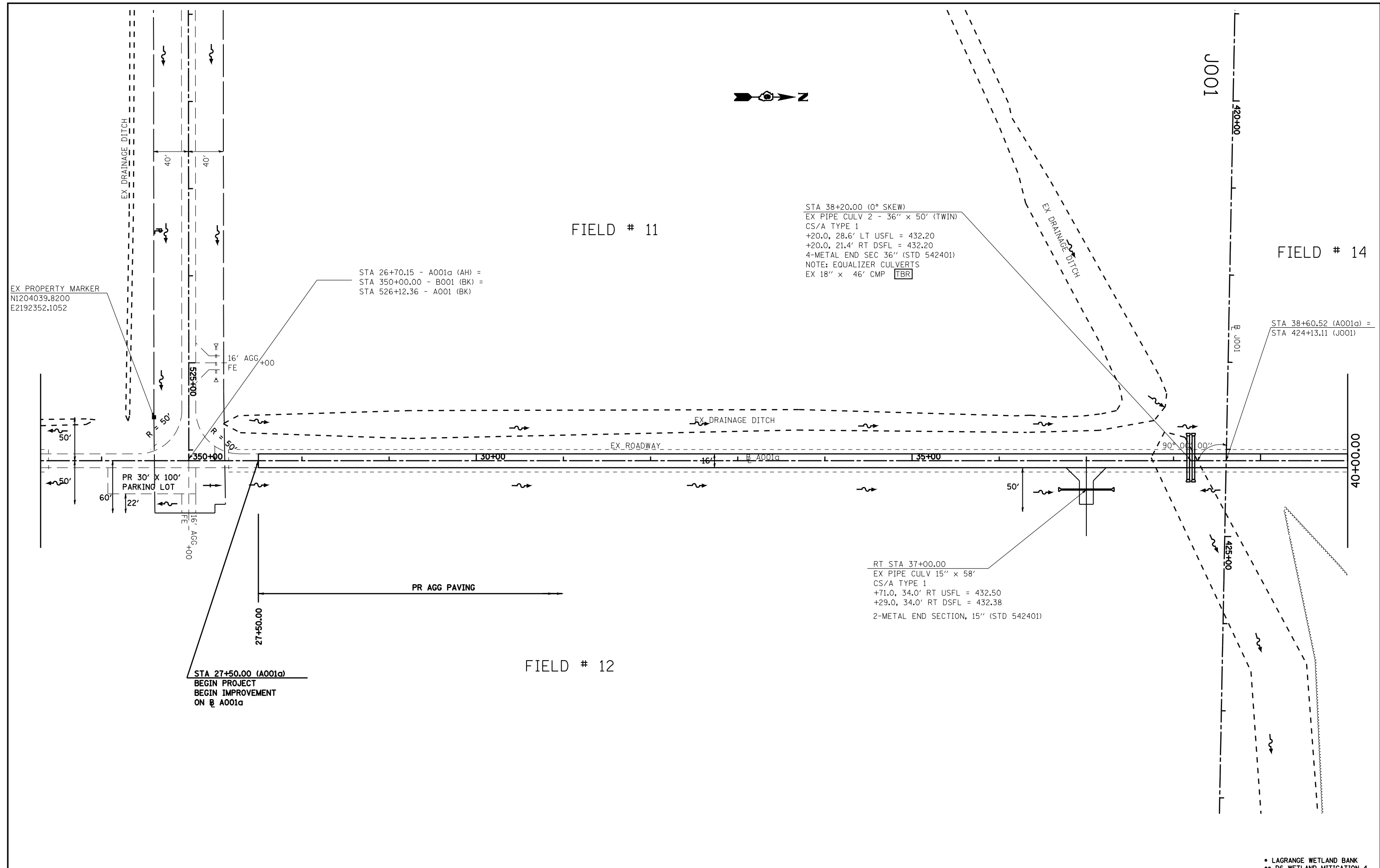
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET - A001

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	14
CONTRACT NO. 72968				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

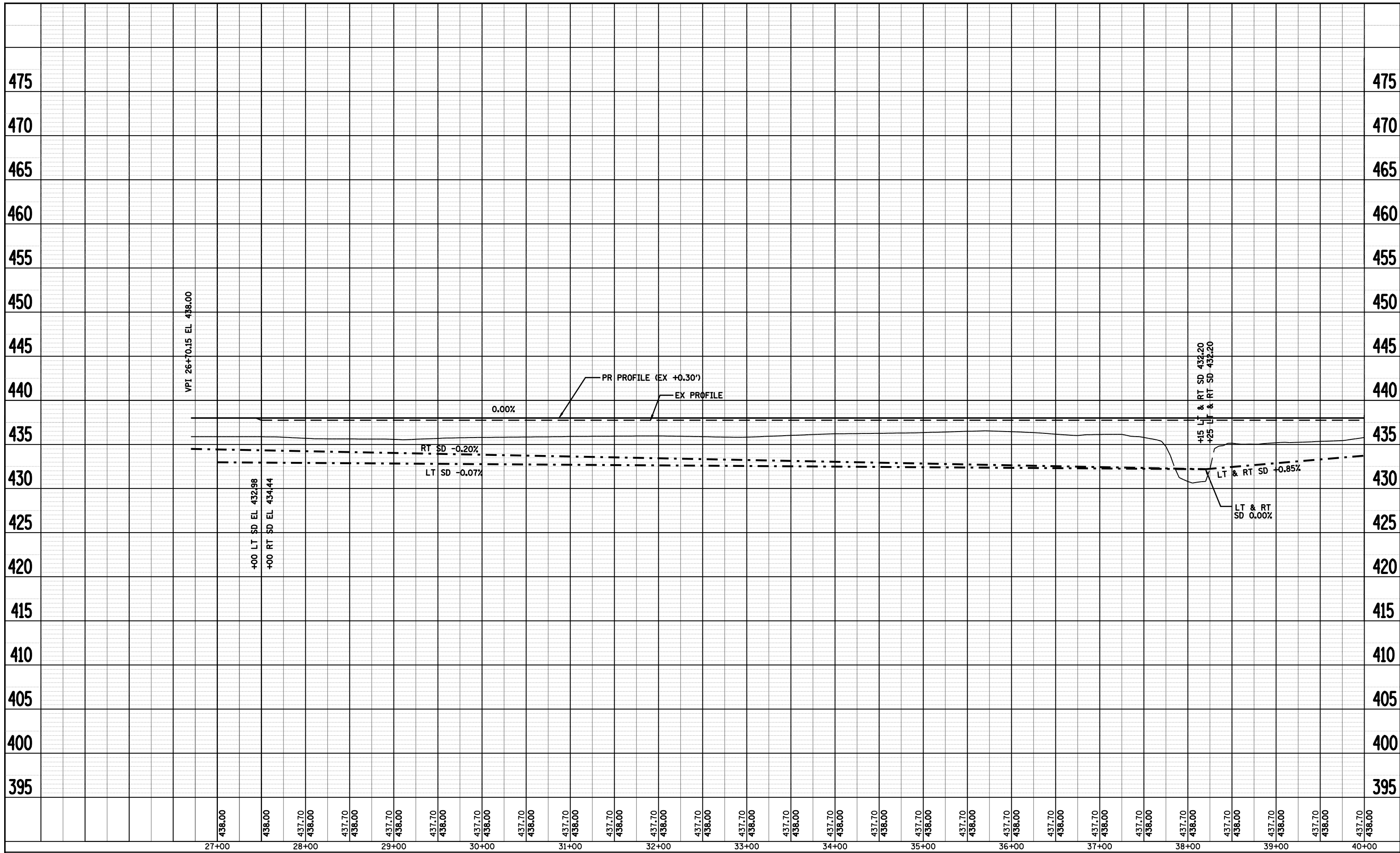
PLAN SHEET - A001a			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	BROWN	37	15
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

PLAN	SURVEYED	BY	DATE
NO.	NO.		
	NOTED		
	CHECKED		
	DATE		

PROFILE	SURVEYED	BY	DATE
NO.	NO.		
	NOTED		
	CHECKED		
	DATE		



438.00	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00	437.70	438.00
27+00		28+00		29+00		30+00		31+00		32+00		33+00		34+00		35+00		36+00		37+00		38+00		39+00		40+00									

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
		DRAWN - EJW	REVISED -
		CHECKED - JCN	REVISED -
		DATE -	REVISED -

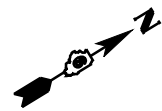
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET - A001a			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	BROWN	37	16
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

FIELD # 14



+00
38' LT

+00
38' LT

PR 30' X 100'
PARKING LOT

P.C. STA = 48+24.85

150+00

P.T. STA = 51+12.47

FIELD # 4

TREES PLANTED @ 25' CTS.
(BY OTHERS)

PROP. CURVE 850'
P.I. STA = 49+39.59
P.T. STA = 51+12.47
R = 200.00'
Δ = 28° 15' 24" (R)
T = 111.15'
L = 239.15'
S = 61.15'
E = 11.15'
P.C. STA = 48+24.85
P.T. STA = 51+12.47

RT STA 45+50.00 (0° SKEW)
EX PIPE CULV 2-18" x 40' (TWIN)
CS/A TYPE 1
+50.0, 20.0' LT USFL = 434.15
+50.0, 20.0' RT USFL = 434.15
4-METAL END SECTION, 18" (STD 542401)
NOTE: EQUALIZER CULVERTS

FIELD # 7

TREES PLANTED @ 25' CTS.
(BY OTHERS)

55+00.00

trees

EX DRAINAGE DITCH

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

FILE NAME = e:\pwork\pwork\PWIDOT\LAUGHLINRL\dms28174\StPlanA001a.dgn	USER NAME = laughlinr1	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - JCN	DRAWN - EJW	REVISED -
PLOT DATE = Feb-03-2010 04:30:29PM	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

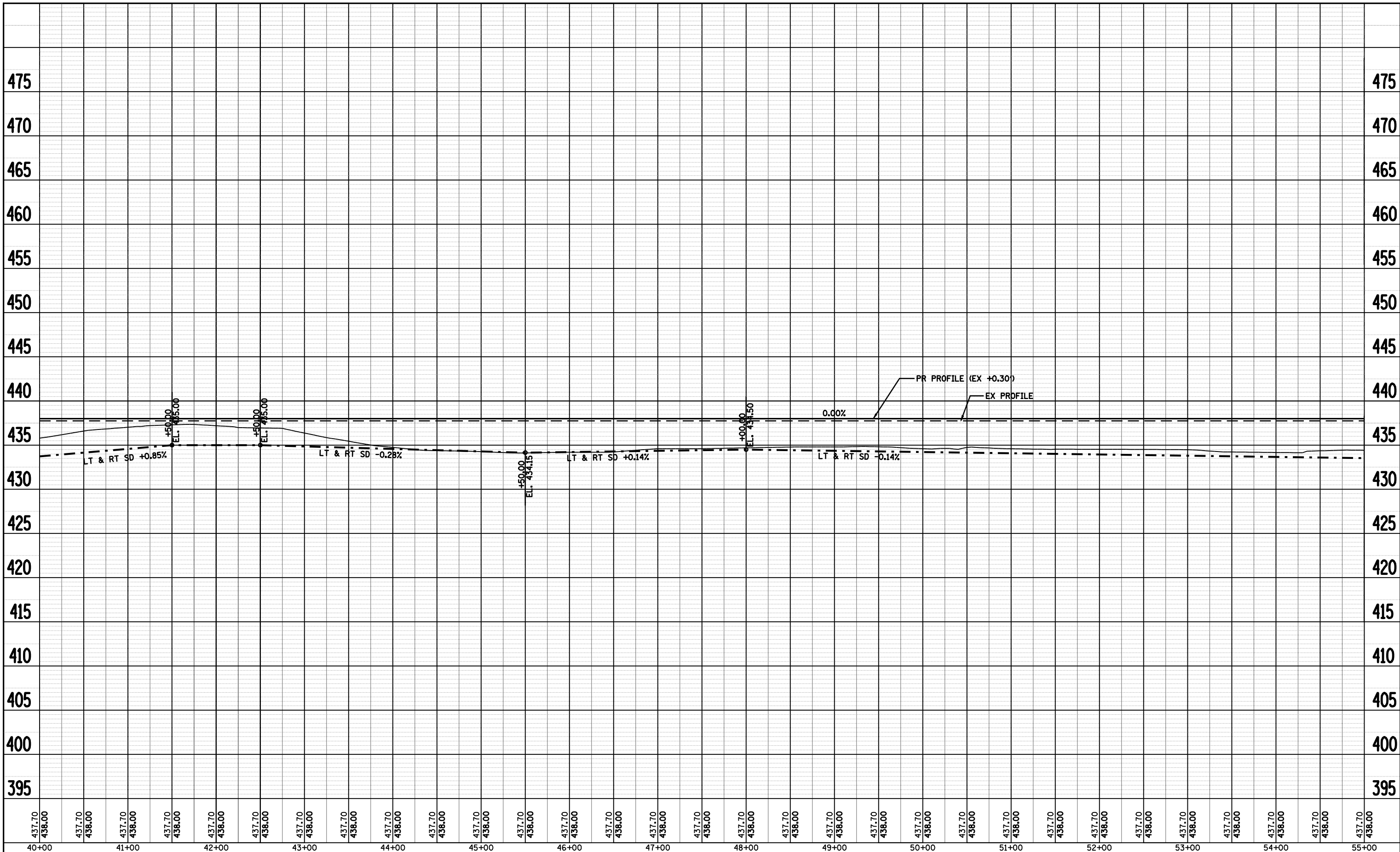
PLAN SHEET - A001a

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	BROWN	37	17
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 72969	

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE	NOTATIS CHFD	



- LAGRANGE WETLAND BANK
- D6 WETLAND MITIGATION 4

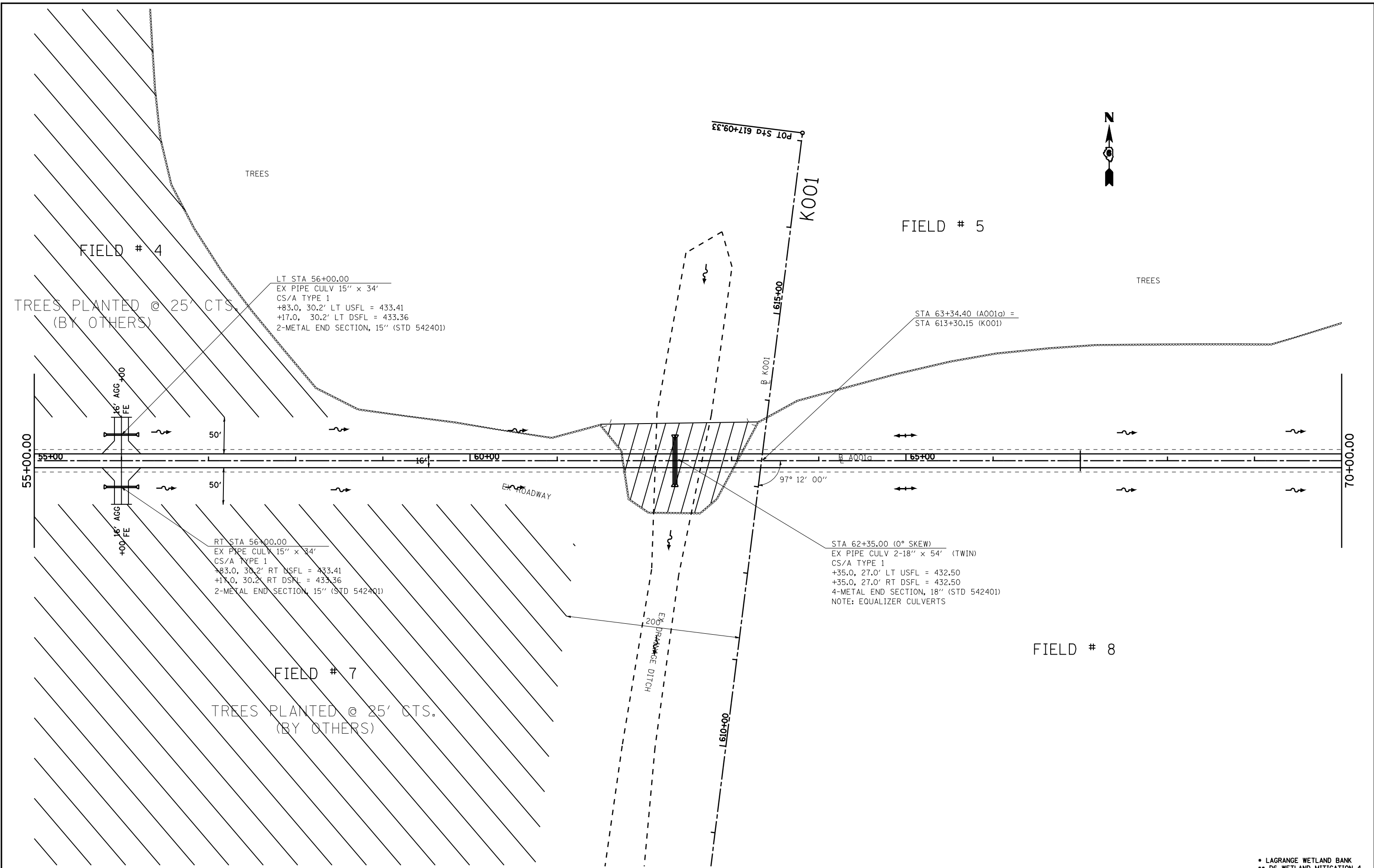
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET - A001a

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	BROWN	37	18
CONTRACT NO. 72969				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LT STA 56+00.00
 EX PIPE CULV 15" x 34'
 CS/A TYPE 1
 +83.0, 30.2' LT USFL = 433.41
 +17.0, 30.2' LT DSFL = 433.36
 2-METAL END SECTION, 15" (STD 542401)

RT STA 56+00.00
 EX PIPE CULV 15" x 34'
 CS/A TYPE 1
 +83.0, 30.2' RT USFL = 433.41
 +17.0, 30.2' RT DSFL = 433.36
 2-METAL END SECTION, 15" (STD 542401)

STA 62+35.00 (0° SKEW)
 EX PIPE CULV 2-18" x 54' (TWIN)
 CS/A TYPE 1
 +35.0, 27.0' LT USFL = 432.50
 +35.0, 27.0' RT DSFL = 432.50
 4-METAL END SECTION, 18" (STD 542401)
 NOTE: EQUALIZER CULVERTS

TREES PLANTED @ 25' CTS.
 (BY OTHERS)

TREES PLANTED @ 25' CTS.
 (BY OTHERS)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - A001a

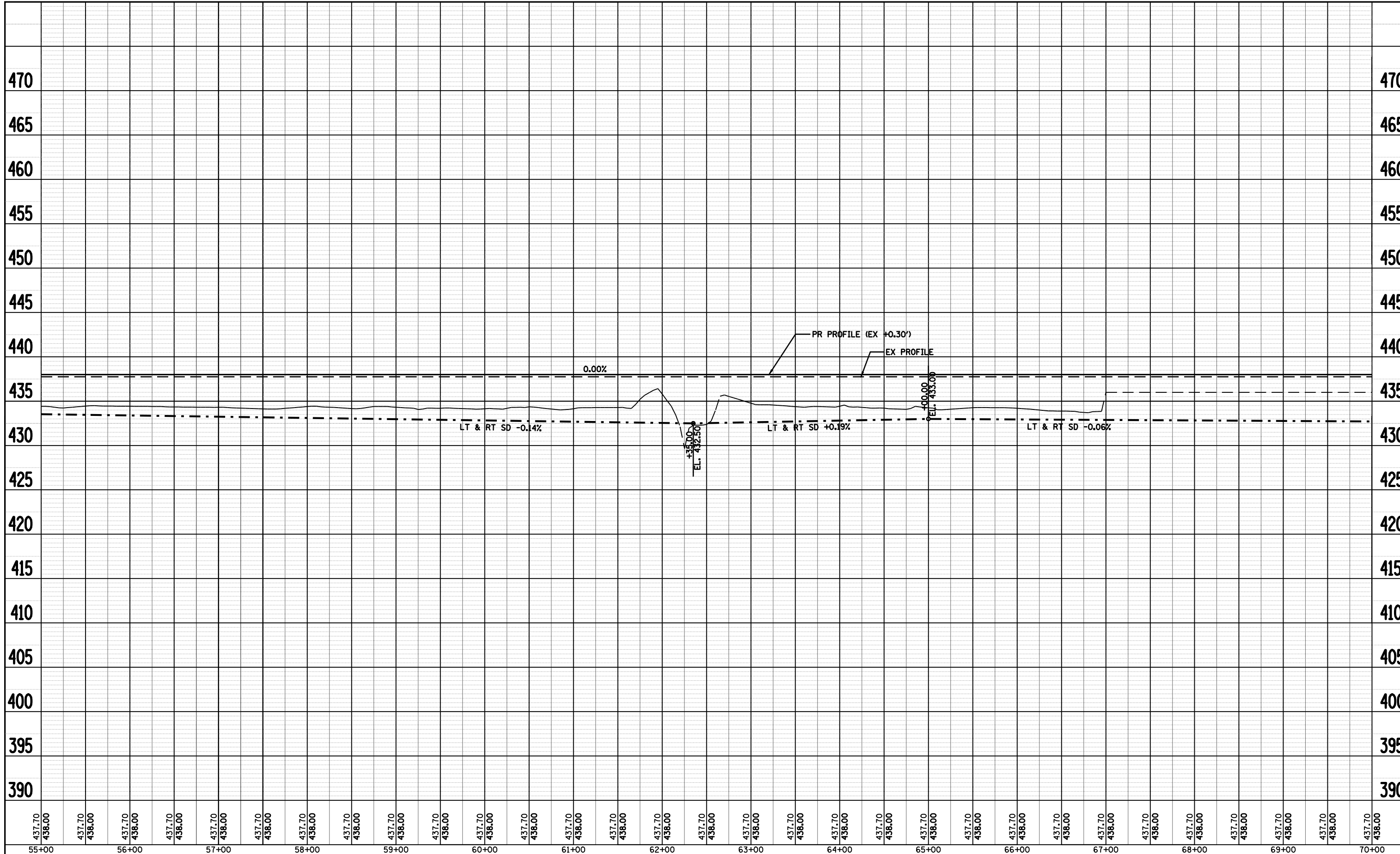
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	19
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• LAGRANGE WETLAND BANK
 ** D6 WETLAND MITIGATION 4

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	MAX		
	CADD FILE NAME		
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	NO.		

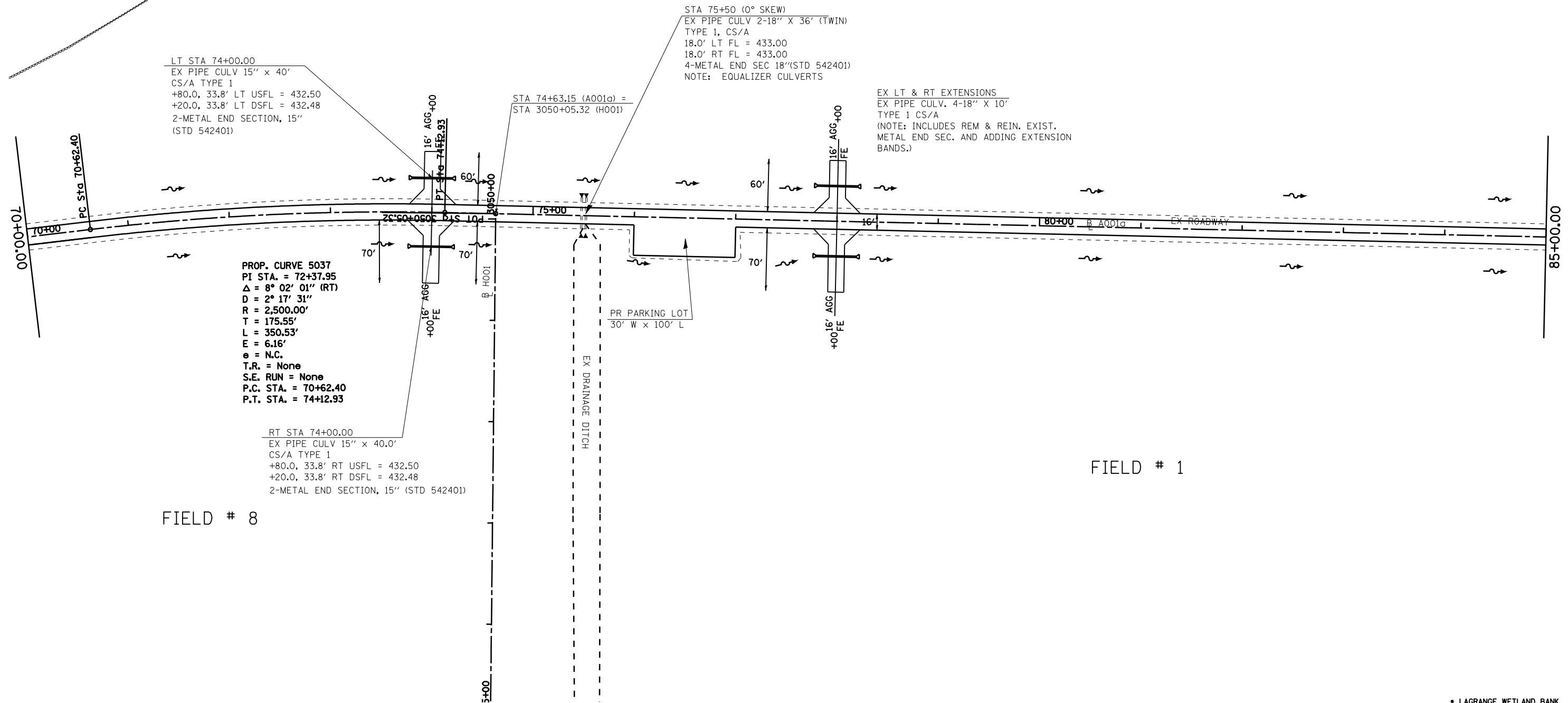


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PLOT DATE = Feb-03-2010 04:30:52PM	DATE -	CHECKED - JCN	REVISED -		CONTRACT NO. 72969							
		DATE -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT						

- LAGRANGE WETLAND BANK
- D6 WETLAND MITIGATION 4

FIELD # 5

FIELD # 6



FIELD # 8

FIELD # 1

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
et:\pwork\pwidot\LAUGHLINRL\dms28174\SttPlanA001a.dgn		DRAWN - EJW	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

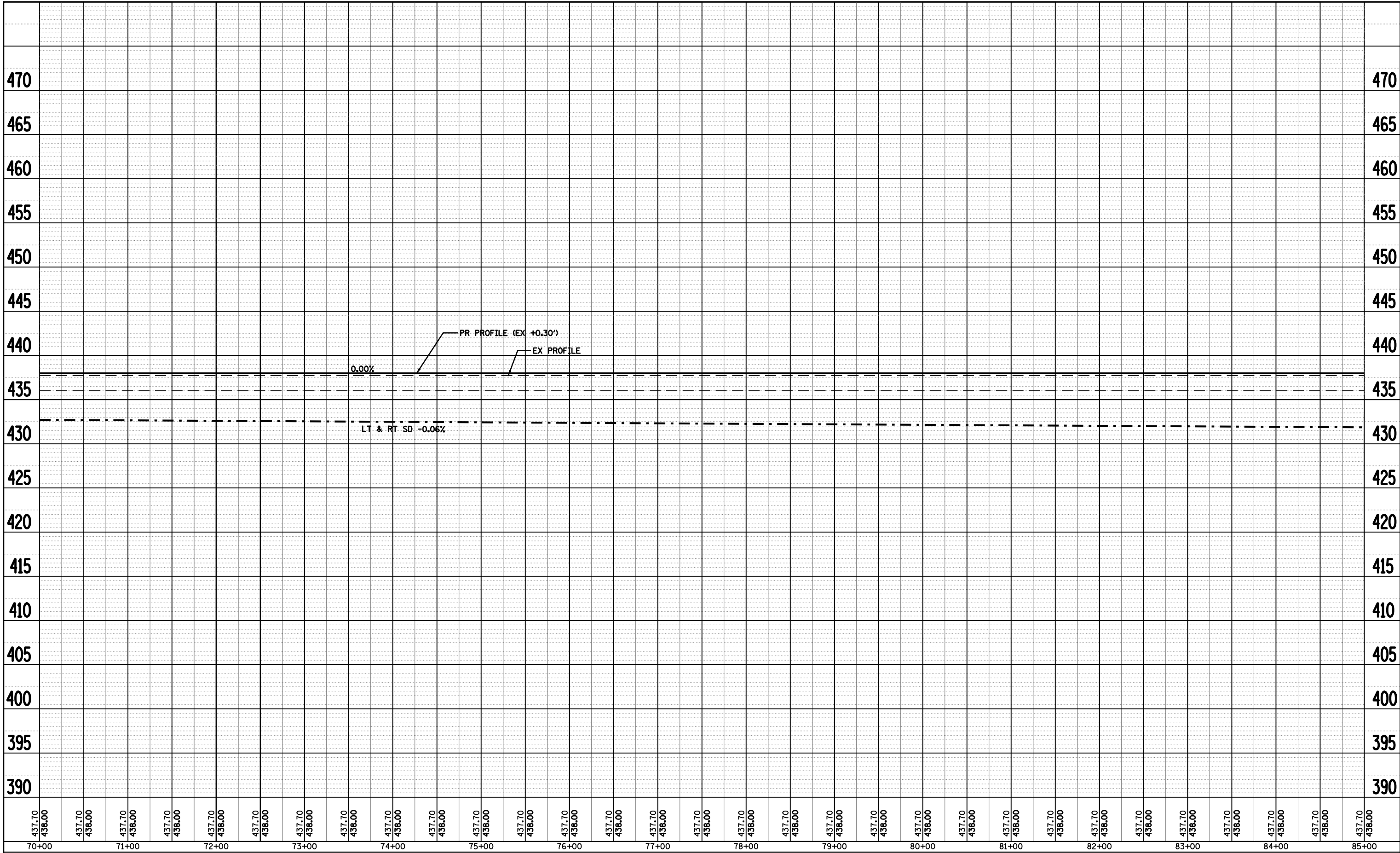
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SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	BROWN	37	21
CONTRACT NO. 72969				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	CHECKED	
NO.	ALIGNMENT	
	CAD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	CHECKED	
NO.	STRUCTURE	
	NOTATION CHFD	



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USER NAME = laughlinr1

PLOT SCALE = 100.0000' / IN.

PLOT DATE = Feb-03-2010 04:31:11PM

DESIGNED -	REVISED -
DRAWN - EJW	REVISED -
CHECKED - JCN	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET - A001a

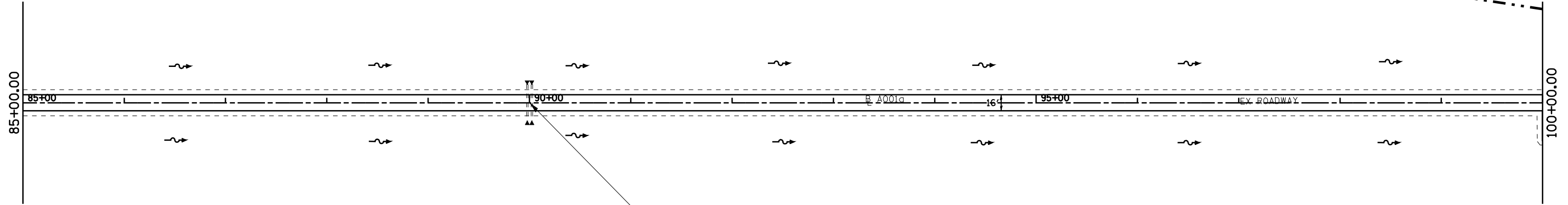
SCALE: SHEET NO. OF SHEETS STA. TO STA.

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	BROWN	37	22
CONTRACT NO. 72969				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FIELD # 2

EX HORSESHOE LAKE



STA 90+00 (0° SKEW)
 EX PIPE CULV 2-18" X 40' (TWIN)
 TYPE 1, CS/A
 20.0' LT FL = 432.50
 20.0' RT FL = 432.50
 4-METAL END SEC 18"(STD 542401)
 NOTE: EQUALIZER CULVERTS

FIELD # 1

EX LT & RT EXTENSIONS
 EX PIPE CULV. 4-18" X 12'
 TYPE 1 CS/A
 (NOTE: INCLUDES REM & REIN. EXIST.
 METAL END SEC. AND ADDING EXTENSION
 RINGS.)

• LAGRANGE WETLAND BANK
 •• D6 WETLAND MITIGATION 4

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

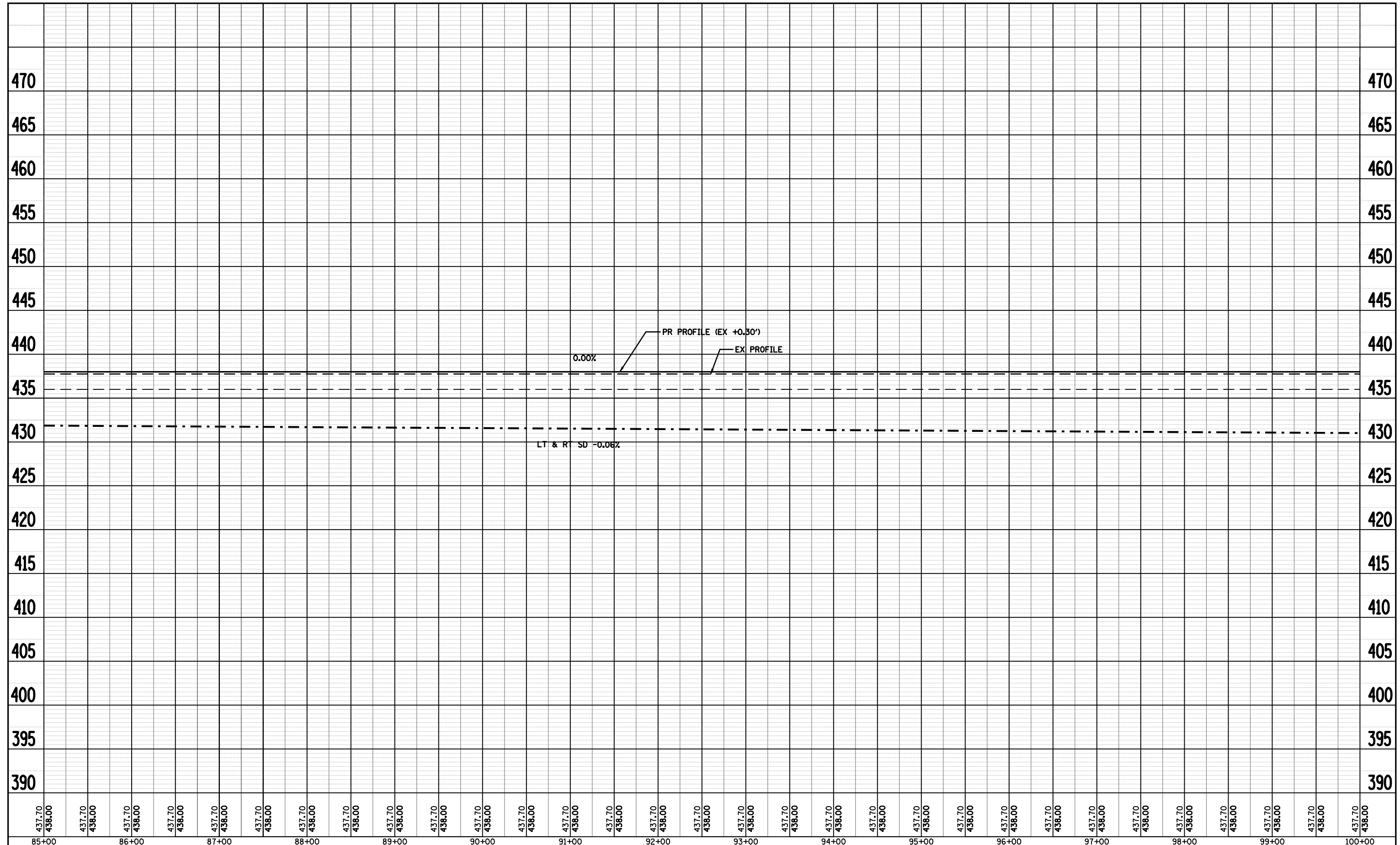
PLAN SHEET - A001a

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	23
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 72969	

PLAN			SURVEYED			BY			DATE		
NOTE BOOK NO.			SURVEYED								
			PLOTTED								
			ALIGNED								
			CHECKED								
			BY								
			DATE								

PROFILE			SURVEYED			BY			DATE		
NOTE BOOK NO.			SURVEYED								
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• LAGRANGE WETLAND BANK
 ** D6 WETLAND MITIGATION 4

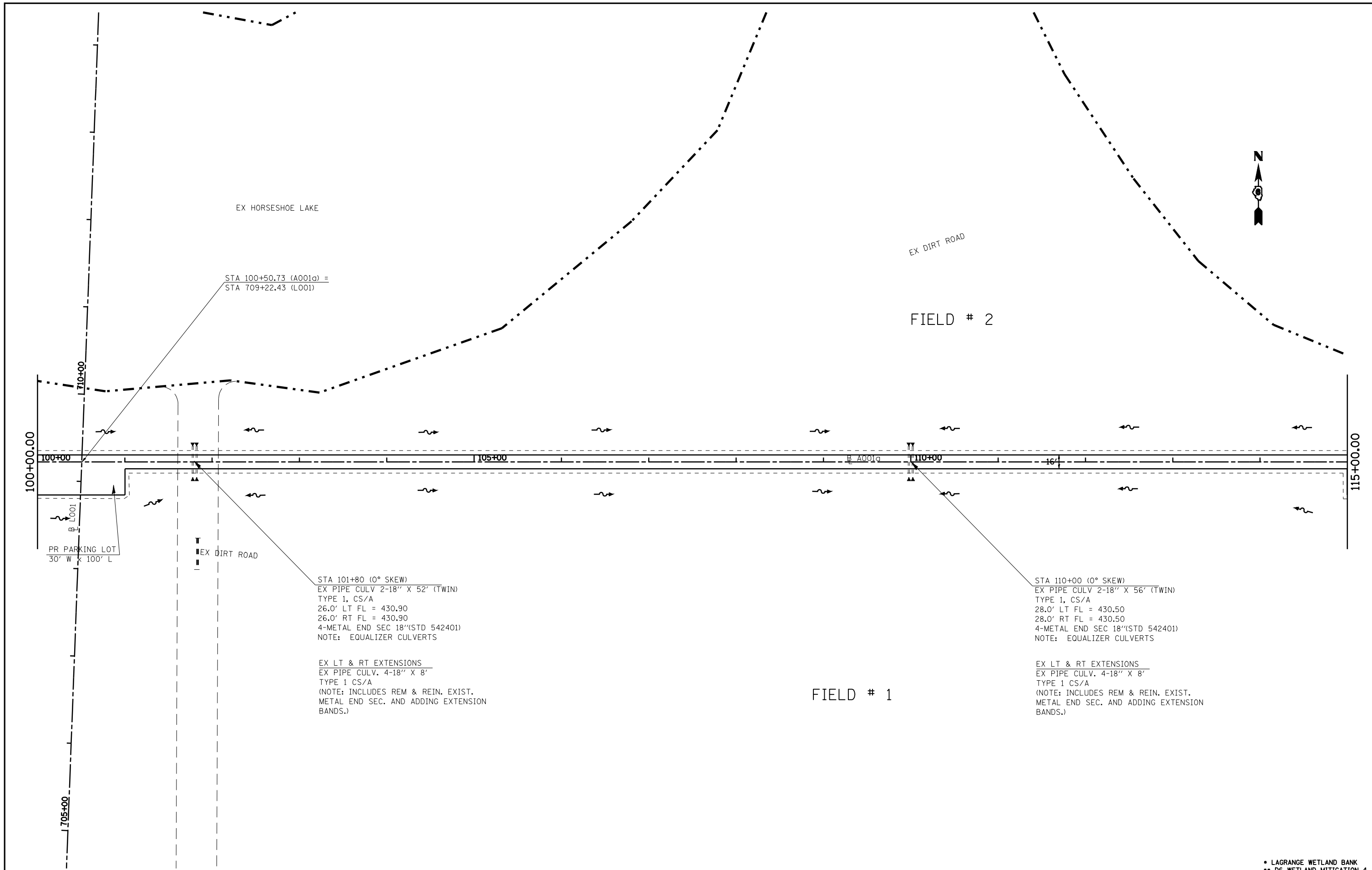
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		CHECKED - JCN	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET - A001a

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**	BROWN	37	24
CONTRACT NO. 72969				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EX HORSESHOE LAKE

STA 100+50.73 (A001a) =
STA 709+22.43 (L001)

EX DIRT ROAD

FIELD # 2



100+00.00

115+00.00

PR PARKING LOT
30' W x 100' L

EX DIRT ROAD

STA 101+80 (0° SKEW)
EX PIPE CULV 2-18" X 52' (TWIN)
TYPE 1, CS/A
26.0' LT FL = 430.90
26.0' RT FL = 430.90
4-METAL END SEC 18"(STD 542401)
NOTE: EQUALIZER CULVERTS

EX LT & RT EXTENSIONS
EX PIPE CULV. 4-18" X 8'
TYPE 1 CS/A
(NOTE: INCLUDES REM & REIN. EXIST.
METAL END SEC. AND ADDING EXTENSION
BANDS.)

STA 110+00 (0° SKEW)
EX PIPE CULV 2-18" X 56' (TWIN)
TYPE 1, CS/A
28.0' LT FL = 430.50
28.0' RT FL = 430.50
4-METAL END SEC 18"(STD 542401)
NOTE: EQUALIZER CULVERTS

EX LT & RT EXTENSIONS
EX PIPE CULV. 4-18" X 8'
TYPE 1 CS/A
(NOTE: INCLUDES REM & REIN. EXIST.
METAL END SEC. AND ADDING EXTENSION
BANDS.)

FIELD # 1

FILE NAME = e:\pwork\pwidot\LAUGHLINRL\dms28174\SttPlanA001a.dgn	USER NAME = laughlinr1	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

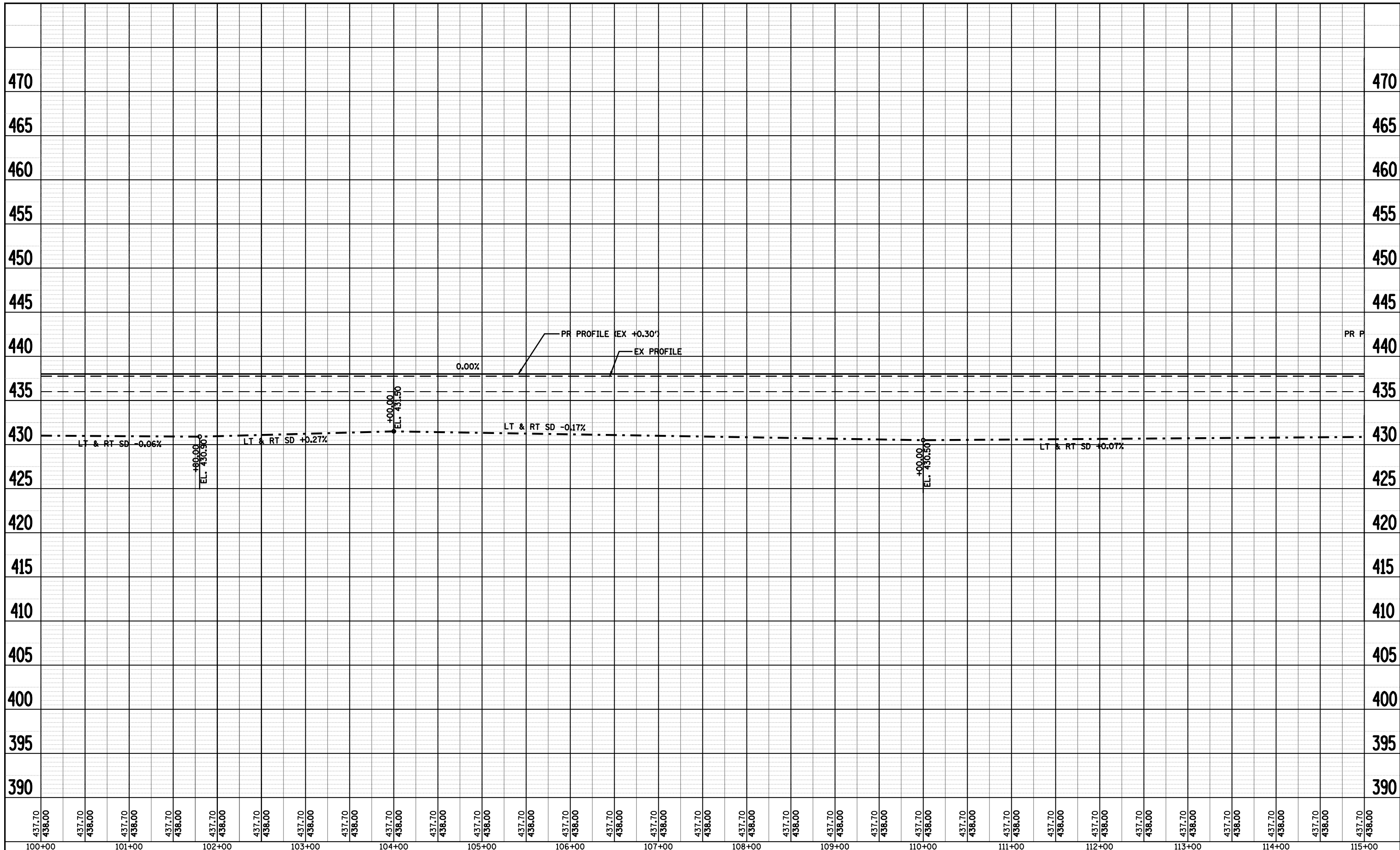
PLAN SHEET - A001a			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	25
CONTRACT NO. 72969				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

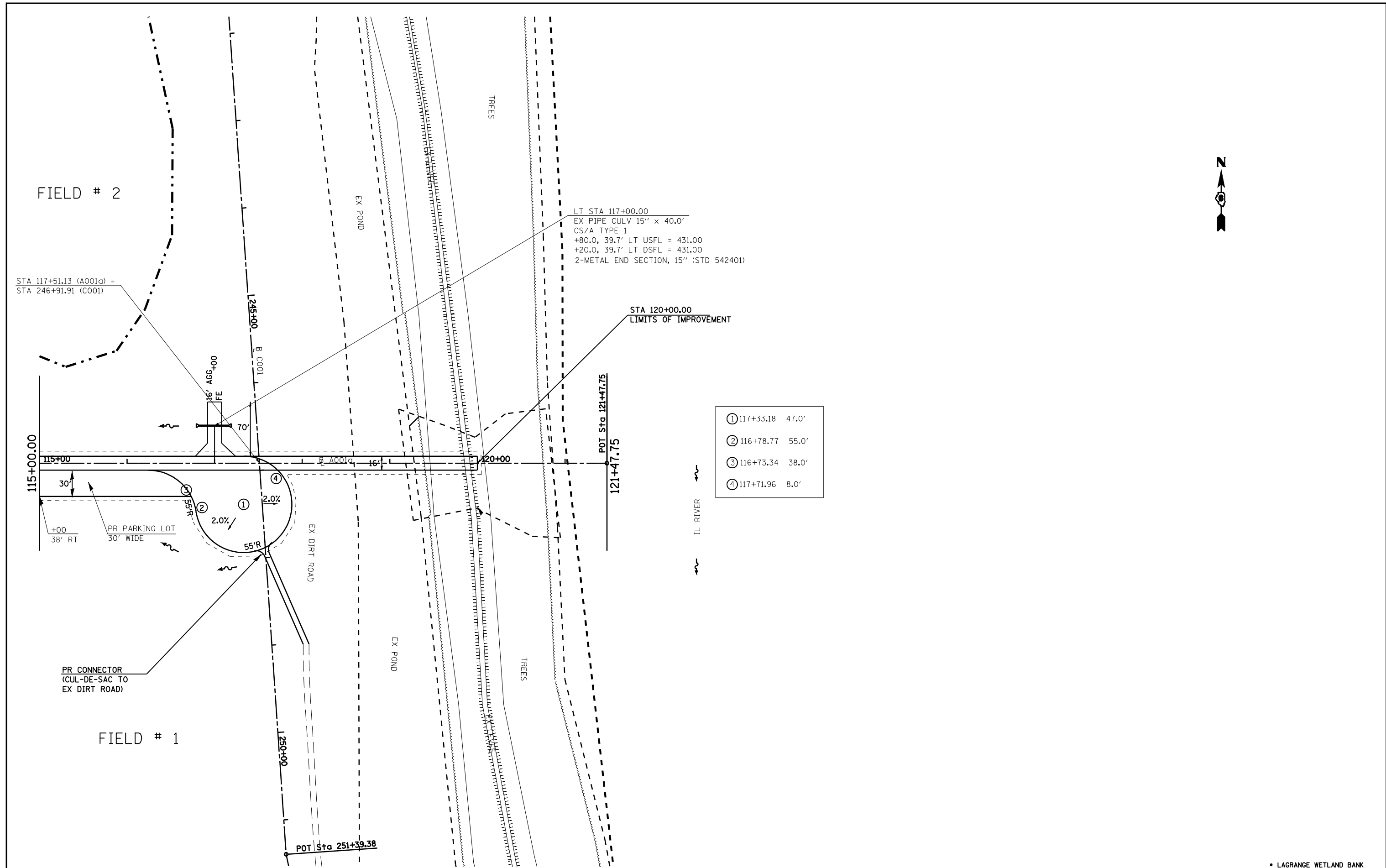
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NOTE BOOK NO.	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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NOTE BOOK NO.	CADD FILE NAME		



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• LAGRANGE WETLAND BANK
 •• D6 WETLAND MITIGATION 4



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

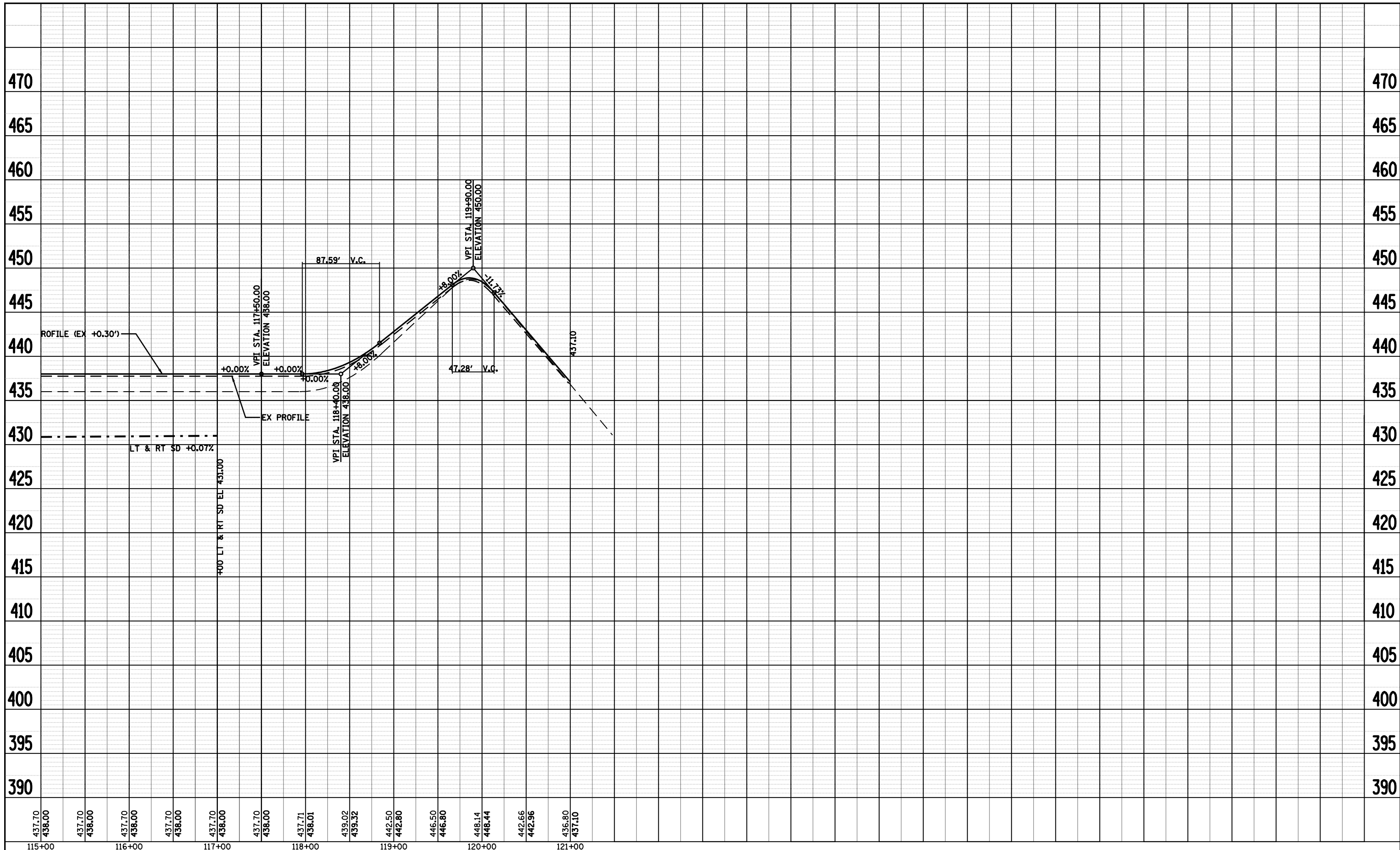
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SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	BROWN	37	27
CONTRACT NO. 72969				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

PLAN		SURVEYED		BY		DATE	
NOTE BOOK NO.		PLOTTED		CHECKED		ALIGNMENT	
		DATE		FILE NAME			

PROFILE		SURVEYED		BY		DATE	
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		NOTATIONS		OFFICE			



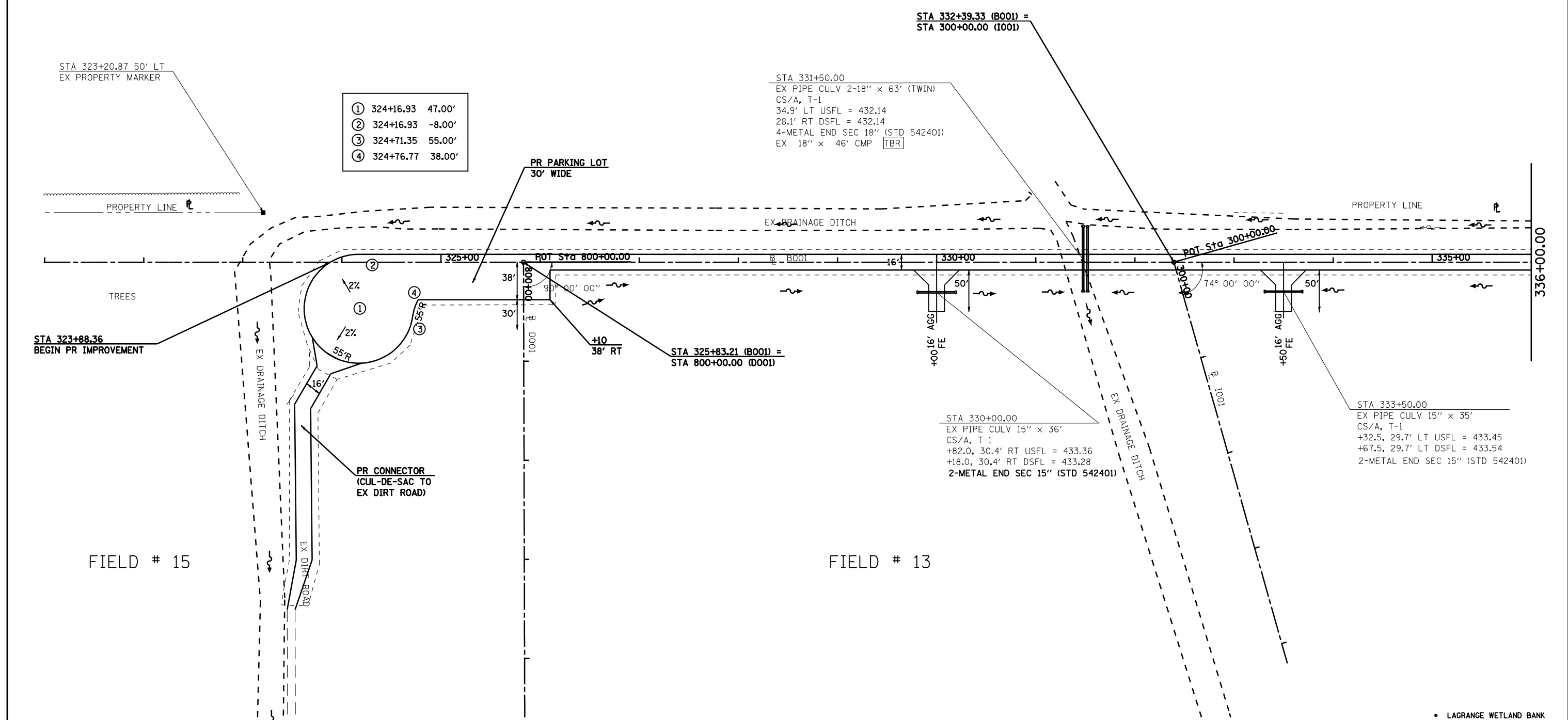
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115+00	116+00	117+00	118+00	119+00	120+00	121+00																																	

- LAGRANGE WETLAND BANK
- D6 WETLAND MITIGATION 4

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">PROFILE SHEET - A001a</p>	<p align="center">SCALE: SHEET NO. OF SHEETS STA. TO STA.</p>	<table border="1"> <tr> <td>F.A.P. RTE.</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td>*</td> <td>**</td> <td>BROWN</td> <td>37</td> <td>28</td> </tr> <tr> <td colspan="5">CONTRACT NO. 72969</td> </tr> <tr> <td>FED. ROAD DIST. NO.</td> <td>ILLINOIS FED. AID PROJECT</td> <td colspan="3"></td> </tr> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	*	**	BROWN	37	28	CONTRACT NO. 72969					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS				SHEET NO.																			
*	**	BROWN	37				28																			
CONTRACT NO. 72969																										
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PRIVATE PROPERTY



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - B001

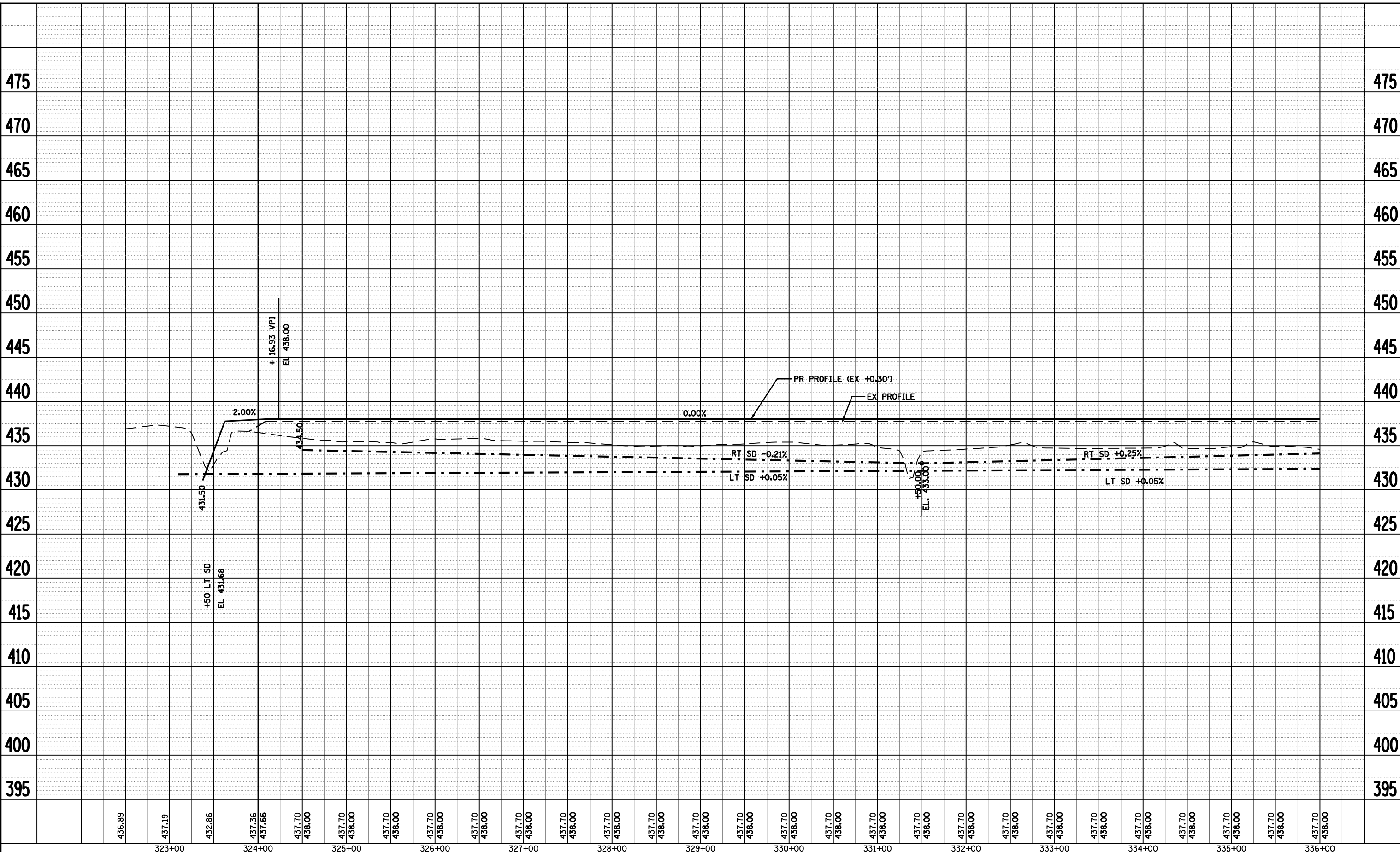
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	BROWN	37	29
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

PLAN		SURVEYED		BY		DATE	
NOTE BOOK NO.		PLOTTED					
		ALIGNED					
		CHECKED					
		FILE NAME					

PROFILE		SURVEYED		BY		DATE	
NOTE BOOK NO.		PLOTTED					
		GRADES CHECKED					
		STRUCTURE					
		NOTATION CHFD					



• LAGRANGE WETLAND BANK
 ** D6 WETLAND MITIGATION 4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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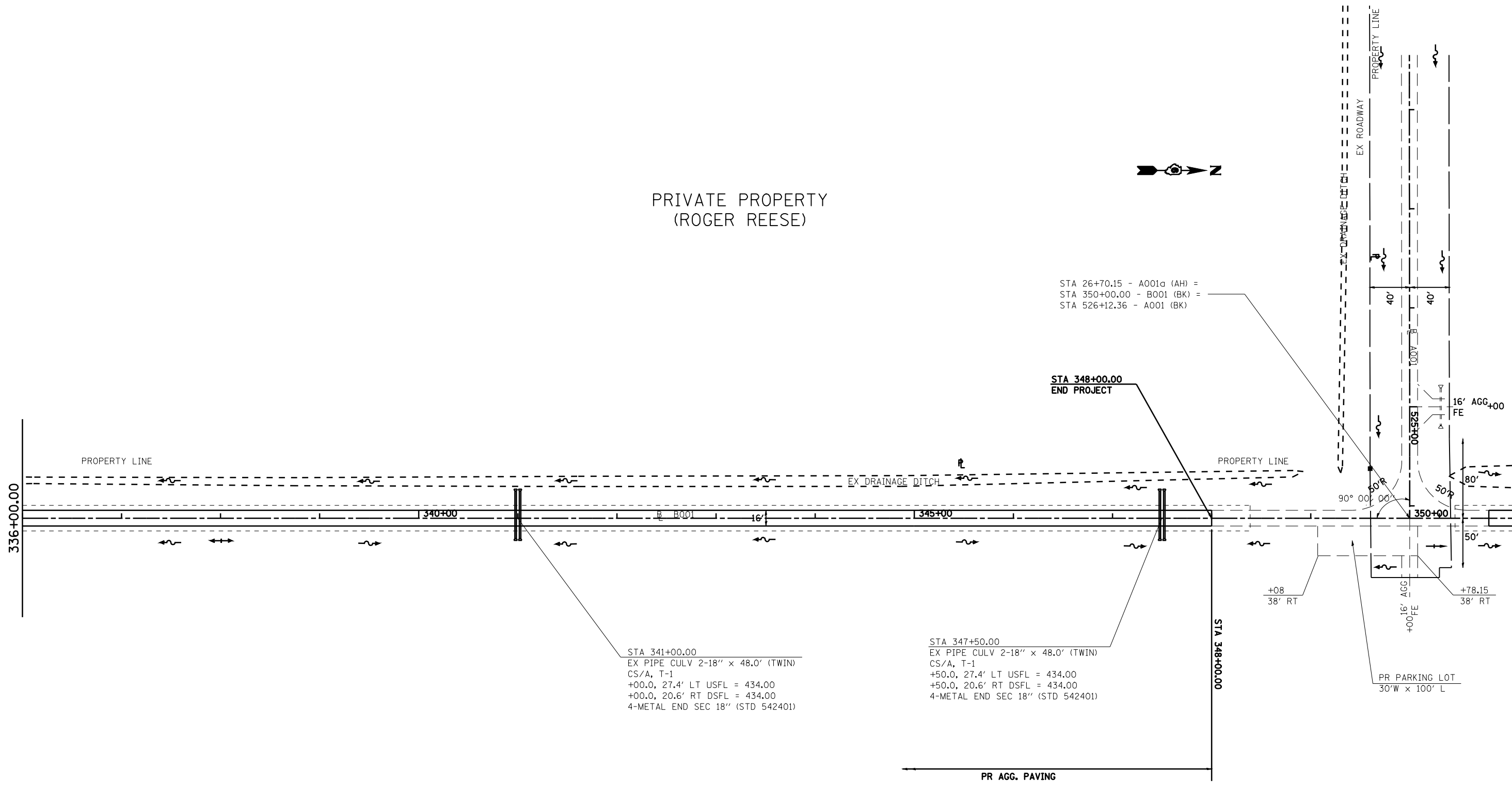
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*	**	BROWN	37	30
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PRIVATE PROPERTY
(ROGER REESE)



STA 26+70.15 - A001a (AH) =
STA 350+00.00 - B001 (BK) =
STA 526+12.36 - A001 (BK)

STA 348+00.00
END PROJECT



STA 341+00.00
EX PIPE CULV 2-18" x 48.0' (TWIN)
CS/A, T-1
+00.0, 27.4' LT USFL = 434.00
+00.0, 20.6' RT DSFL = 434.00
4-METAL END SEC 18" (STD 542401)

STA 347+50.00
EX PIPE CULV 2-18" x 48.0' (TWIN)
CS/A, T-1
+50.0, 27.4' LT USFL = 434.00
+50.0, 20.6' RT DSFL = 434.00
4-METAL END SEC 18" (STD 542401)

+08
38' RT
+00 FE
+16' FE
+78.15
38' RT

PR PARKING LOT
30'W x 100' L

PR AGG. PAVING

FIELD # 12
STATE OF ILLINOIS

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

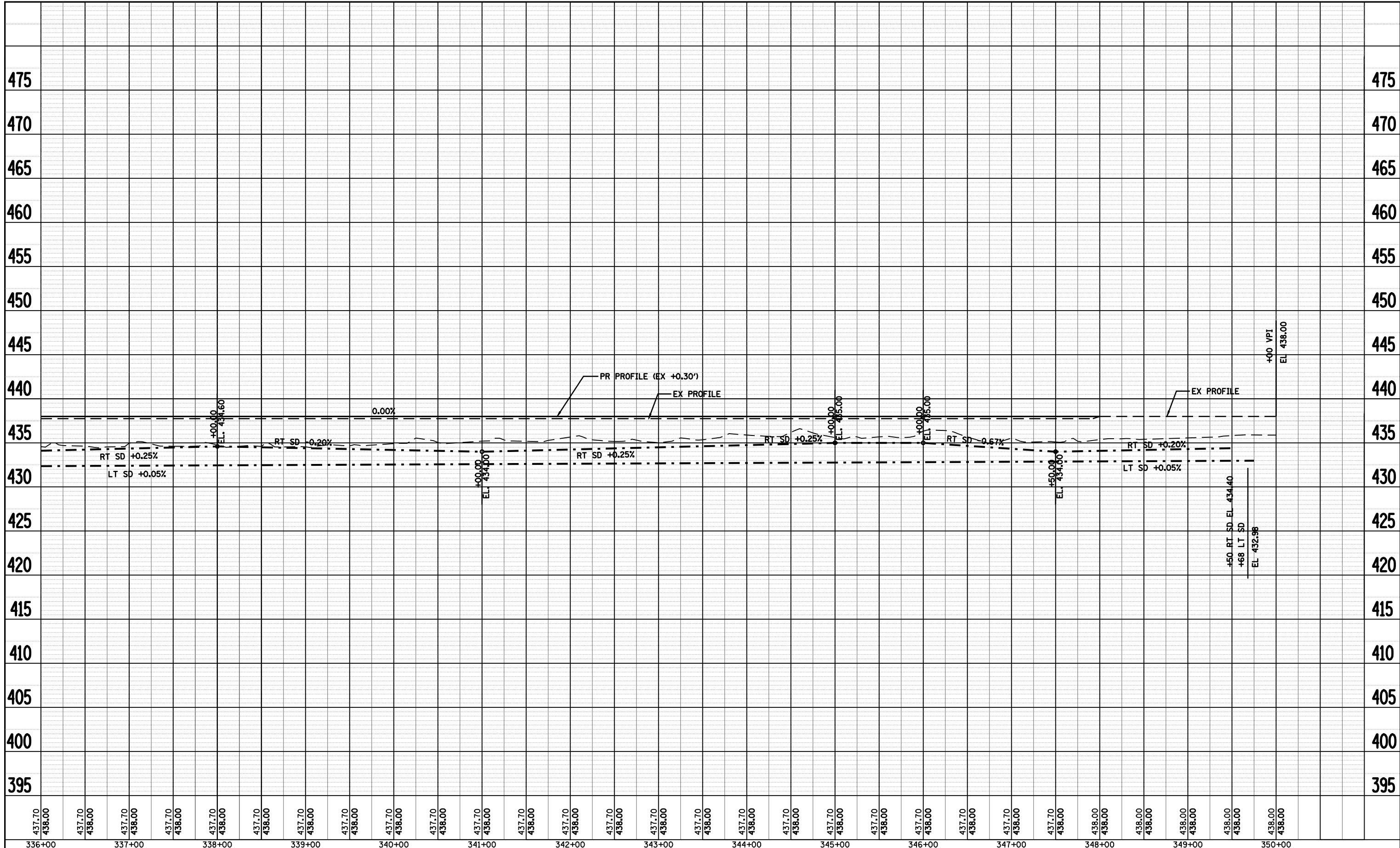
PLAN SHEET - B001

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	BROWN	37	31
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES		
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	STRUCTURE		
	NOTATION		
	CHFD		



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET - B001			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	32
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

* LAGRANGE WETLAND BANK
** D6 WETLAND MITIGATION 4

STORM WATER POLLUTION PREVENTION PLAN

Route: LAGRANGE WETLAND BANK Marked: NA
 Section: D-6 WETLAND MITIGATION NO.4 Project No.: NA
 County: BROWN COUNTY Contract No.: 72969

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Ray Z. Duff (Signature) 02-4-09 (Date)
 Deputy Director/Region 4 Eng (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

- The proposed project consists of wetland mitigation involving earthwork to deactivate drainage ditches and field tile re-establishment of wetland ponds and constructing embankment for future access roads / parking areas.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

- Grading and Shaping will be completed on existing embankments for placement of aggregate paving. After aggregate is placed shoulder and foreslopes will be final shaped and seeded.

Area of Construction Site:

The total drainage area entering and including the construction site is estimated to be approx. 2500 sq miles in which 8 acres will be disturbed by grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

- Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems.
- Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
- Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

- Minor tributaries of the LaMoine River & Illinois River.

• LAGRANGE WETLAND BANK
 •• D6 WETLAND MITIGATION 4

FILE NAME = SWPPLAN.DGN	USER NAME = ba1j	DESIGNED -	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = Mon-03-2009 03:55:23PM	DATE - APRIL 5, 1999	REVISIONS -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.				

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:
 - (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.
 - (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
 - (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
 - (d) Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
 - (e) Immediately after tree removal is completed in certain areas which are highly erodible areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
 - (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.
3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
 - (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
 - (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
 - (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:
 - i. Place temporary erosion control systems at locations where water leaves and enters the construction zone
 - ii. Temporary seed highly erodible areas outside the construction slope limits
 - iii. Construct roadside ditches and provide temporary erosion control systems
 - iv. Temporary divert water around proposed culvert locations
 - v. Build necessary embankment at culvert locations and then excavate and place culvert
 - vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes
 - (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
 - (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

- (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
- (g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.
- (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.
- (i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.
2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.
3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.
4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.
5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.
2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 2200 Churchill Road, P.O. Box 19276
 Springfield, IL 62794-9276
 Attn: Compliance Assurance Section

• LAGRANGE WETLAND BANK
 •• D6 WETLAND MITIGATION 4

FILE NAME = SWPPLAN.DGN	USER NAME = laughlinr1	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				STORM WATER POLLUTION PREVENTION PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Feb-03-2010 04:32:33PM				REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 72969				

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

Route: LAGRANGE WETLAND BANK Marked: NA
 Section: D6 WETLAND MITIGATION NO. 4 Project No.: NA
 County: BROWN COUNTY Contract No.: 72969

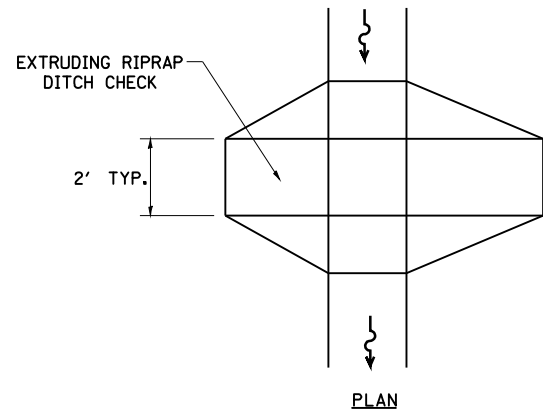
I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature _____ Date _____
 Title _____
 Name of Firm _____
 Street Address _____
 City, State, Zip _____
 Phone Number _____

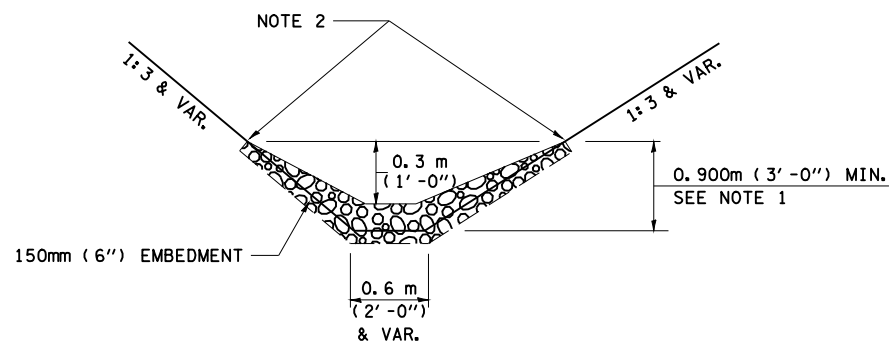
Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

• LAGRANGE WETLAND BANK
 •• D6 WETLAND MITIGATION 4

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		DATE - APRIL 5, 1999	REVISIONS -			CONTRACT NO. 72969				



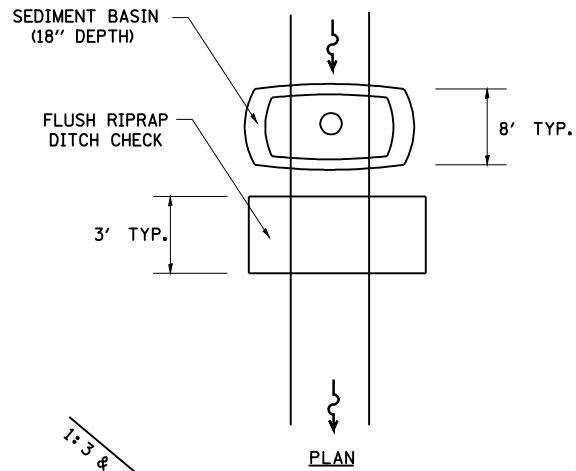
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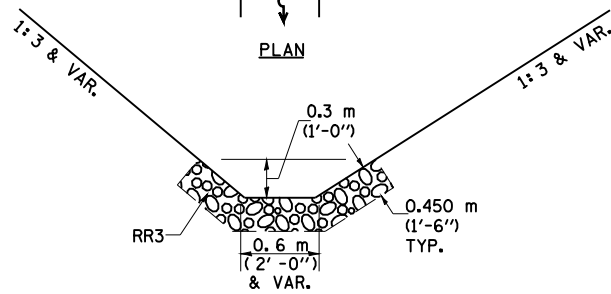
ELEVATION

OPTION 1

(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



PLAN



ELEVATION

OPTION 2

(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

STONE DUMPED RIPRAP DITCH CHECK

(TYPICAL & OPTIONS 1 & 2
AS DIRECTED BY THE ENGINEER)

NOTE 1: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 2: ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL)	◆
ESTONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')	◆
TEMPORARY DITCH CHECKS	◆
INLET PIPE PROTECTION (I&PP)	◆
EROSION CONTROL FENCE	~
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	○
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	▨
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* ITEM *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	ITEM
DIRECTION OF OVERLAND FLOW	➔

GENERAL NOTES:

All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

THE CONTRACTOR SHALL INSTALL DITCH CHECKS AS DIRECTED BY THE ENGINEER. IF THE ENGINEER ELECTS TO UTILIZE FLUSH RIPRAP DITCH CHECKS IN LIEU OF TEMPORARY DITCH CHECKS AS SHOWN ON THE FOLLOWING PLAN SHEETS, THE SPACING SHOULD BE DOUBLED.

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4

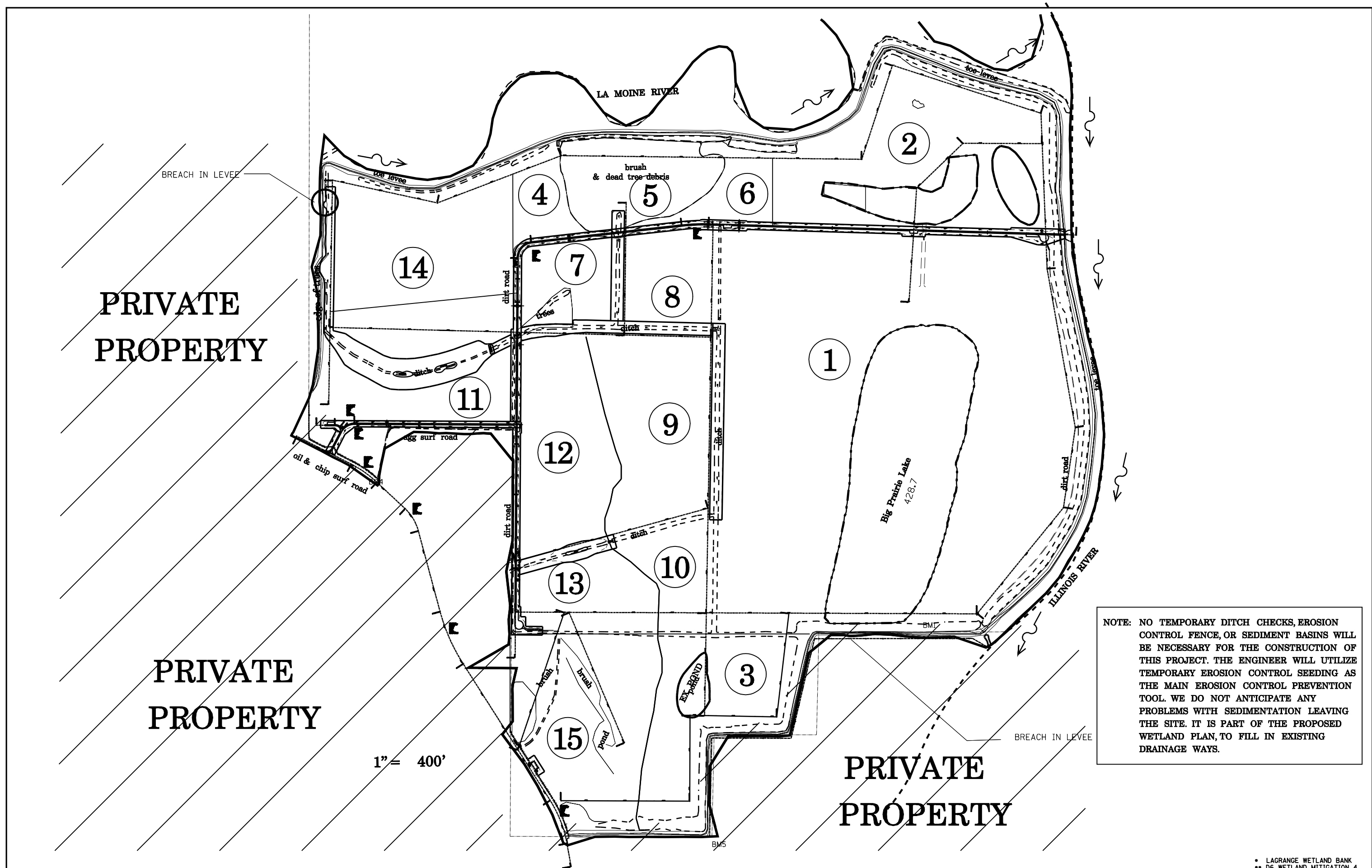
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		CHECKED - JCN	REVISED -
		DATE - APRIL 5, 1999	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM WATER POLLUTION
PREVENTION PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	BROWN	37	36
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE: NO TEMPORARY DITCH CHECKS, EROSION CONTROL FENCE, OR SEDIMENT BASINS WILL BE NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT. THE ENGINEER WILL UTILIZE TEMPORARY EROSION CONTROL SEEDING AS THE MAIN EROSION CONTROL PREVENTION TOOL. WE DO NOT ANTICIPATE ANY PROBLEMS WITH SEDIMENTATION LEAVING THE SITE. IT IS PART OF THE PROPOSED WETLAND PLAN, TO FILL IN EXISTING DRAINAGE WAYS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM WATER POLLUTION
PREVENTION PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	BROWN	37	37
CONTRACT NO. 72969				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• LAGRANGE WETLAND BANK
•• D6 WETLAND MITIGATION 4