

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

IDOT /IDNR STATEWIDE REDWING SLOUGH STATE NATURAL AREA

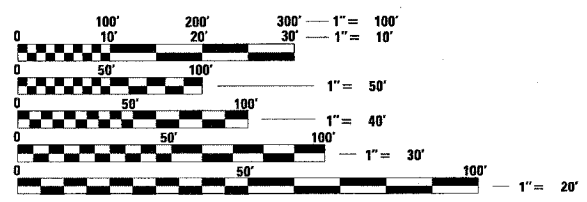
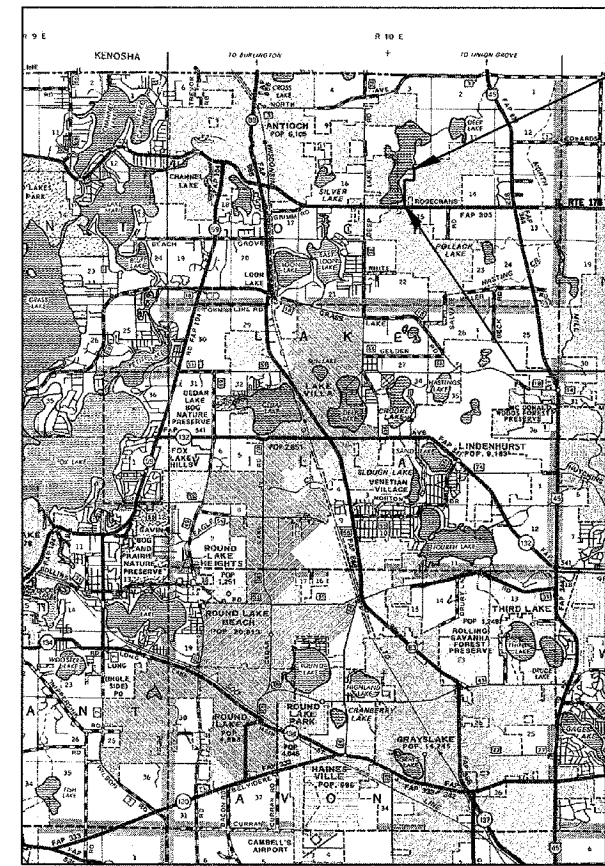
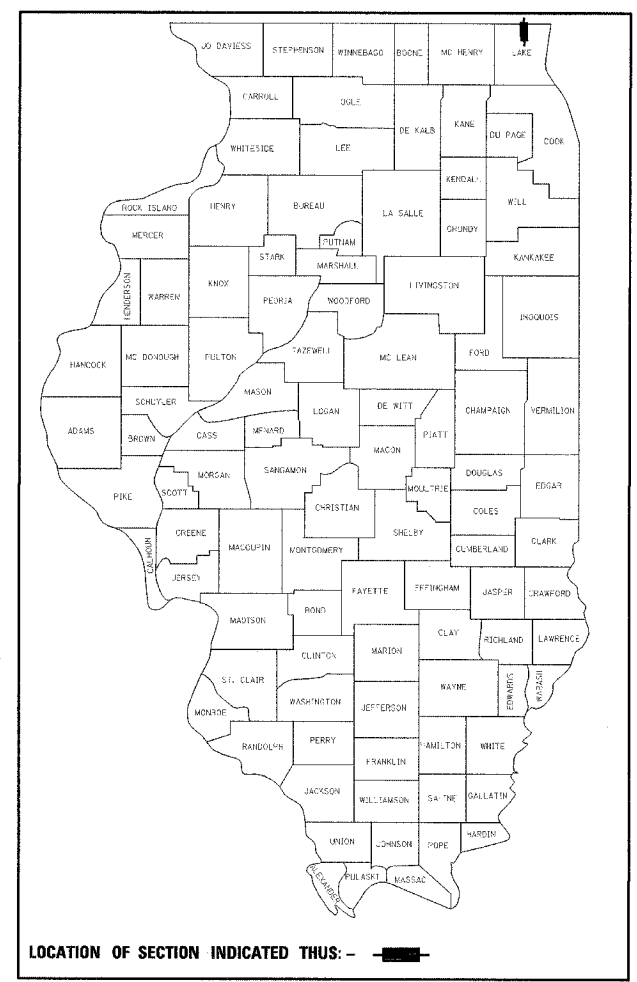
ENTRANCE ROAD 2007
LAKE COUNTY
JOB NO. C-30-005-07
IDNR PROJECT NO. 2-06-003
REDWING SLOUGH

INDEX OF SHEETS

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STATE STANDARDS

- 000001-04
- 280001-03
- 542301-01
- 602306-01
- 602601-01
- 665001-01
- 701001-01
- 701201-02
- 701301-02
- 701306-01
- 701311-02
- 701326-02
- 702001-06
- 720001
- BLR-17-3



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. 44939

LOCATION MAP
GROSS LENGTH = 2593.45 FT. = 0.491 MILES
NET LENGTH = 2593.45 FT. = 0.491 MILES



Philip J. Matone 2/19/07
SIGNATURE
EXPIRATION DATE NOV. 30, 2007

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 1, 20 07
Eric E. Harny
DEPUTY DIRECTOR OF HIGHWAYS.

March 23, 20 07
Eric E. Harny
ENGINEER OF DESIGN AND ENVIRONMENT

March 23, 20 07
Milton R. See
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
IDNR PROJECT NO.	2-06-003	100%		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL	1000 100% STATE
20100500	TREE REMOVAL, ACRES	ACRE	0.9	
20200100	EARTH EXCAVATION	CU YD	7,865	
20800150	TRENCH BACKFILL	CU YD	18	
** 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,272	
21400100	GRADING AND SHAPING DITCHES	FOOT	225	
25000110	SEEDING, CLASS 1A	ACRE	0.1	
** 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	
** 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	
** 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	
** * 25002014	SEEDING, CLASS 4A (MODIFIED)	ACRE	2.6	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	260	
28000300	TEMPORARY DITCH CHECKS	EACH	44	
28000400	PERIMETER EROSION BARRIER	FOOT	1,440	
28000500	INLET AND PIPE PROTECTION	EACH	5	
28100725	STONE DUMPED RIPRAP, CLASS B3	SQ YD	2	
35100100	AGGREGATE BASE COURSE, TYPE A	TON	160	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	3,290	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	110	
40603100	HOT-MIX ASPHALT, BINDER COURSE, IL-19.0L, N30	TON	35	
40603305	HOT-MIX ASPHALT, SURFACE COURSE, MIX "C", N30	TON	30	
54200430	PIPE CULVERT, TYPE 1 RCCP, 15"	FOOT	95	
54200433	PIPE CULVERT, TYPE 1 RCCP, 18"	FOOT	122	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	6	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	3	
66500105	WOVEN WIRE FENCE, 4'	FOOT	1,445	

CODE NO.	ITEM	UNIT	TOTAL
67100100	MOBILIZATION	L SUM	1
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
** 72000100	SIGN PANEL-TYPE 1	SQ FT	61
** 72000200	SIGN PANEL-TYPE 2	SQ FT	10
** 73000100	WOOD SIGN SUPPORT	FOOT	154
** 78001180	PAINT PAVEMENT MARKING- LINE 24"	FOOT	15
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1
** A2001016	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	6
** A2002716	TREE, CARYA OVATA (SHAGBARK HICKORY), 2" CALIPER, BALLED AND BURLAPPED	EACH	6
** A2002916	TREE, CELTIS OCCIDENTIALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	7
** A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	17
** A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	15
** A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	17
** A2007150	TREE, QUERCUS VELUNTINA (BLACK OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6
** A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	6
* XX004371	INLETS, TYPE B, TYPE 61 GRATE	EACH	1
** * XX006338	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	255
** * 25100106	MULCH (SPECIAL)	ACRE	2.6
* X0301797	GATE REMOVAL	EACH	1
* X0325724	GATE, SPECIAL 18"	EACH	1
* X0325725	GATE, SPECIAL 30'	EACH	1

* SPECIAL PROVISION
** SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IDOT / IDNR
REDWING SLOUGH STATE NATURAL AREA

SCALE: VERT.
HORIZ.
DATE: 12/01/06

DRAWN BY: JJ
CHECKED BY: PJM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
IDNR PROJECT NO. 2-06-003				

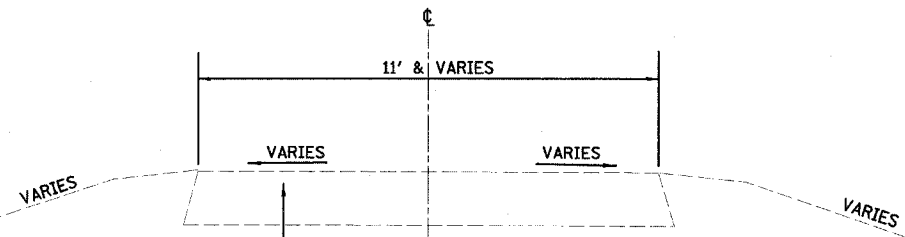
LEGEND

EXISTING

- IRON ROD- CONTROL POINT
- BENCHMARK
- ◊ WOOD POST/POST
- ⊕ STREET LIGHT
- ⊕ SIGN
- ⊕ TELEPHONE PEDESTAL
- MONITORING WELL/FUEL PUMP
- ⊕ WATER MANHOLE
- ⊕ GAS MANHOLE
- ⊕ SANITARY MANHOLE
- CONTOUR
- FENCE
- CULTIVATION/TIMBER LINE
- PIPE CULVERT VARIOUS SIZES
- WATER EDGE

PROPOSED

- PIPE CULVERT W/END SECTIONS (RCCP)
- AGGREGATE SURFACE COURSE, TYPE B (VARIABLE DEPTH)
- TOB TOP OF BERM
- SIGN POST LOCATION
- TREE REMOVAL ACRES
- GRAVEL ROAD DEGRADE
- TOPSOIL PLACEMENT, 4"
- WOVEN WIRE FENCE, 4'

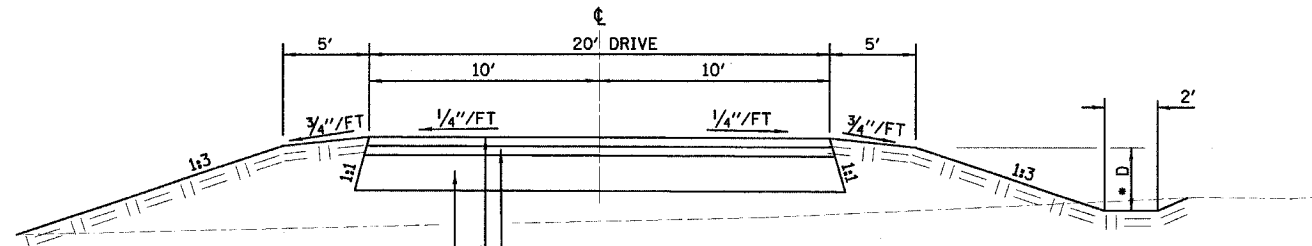


EXISTING TYPICAL SECTION

STA. 213+00 TO STA. 226+25

EXISTING AGGREGATE SURFACE COURSE, 6" ±
(TO BE REMOVED STA 213+00 TO STA 225+27)

NOTE:
NO EXISTING ROADWAY
FROM STA. 200+31.55 TO STA. 213+00

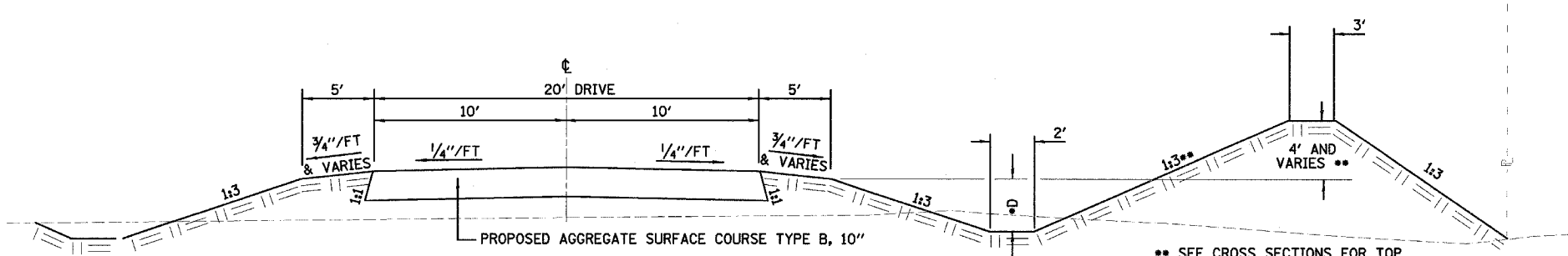


PROPOSED TYPICAL SECTION

ENTRANCE ROAD
STA 200+31.55 TO STA 201+16.55

PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL 19.0L, N30, 1 3/4"
PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "C", N30, 2 1/4"
PROPOSED AGGREGATE BASE COURSE TYPE A, 10"

*D= 2.5' & VARIES



PROPOSED TYPICAL SECTION

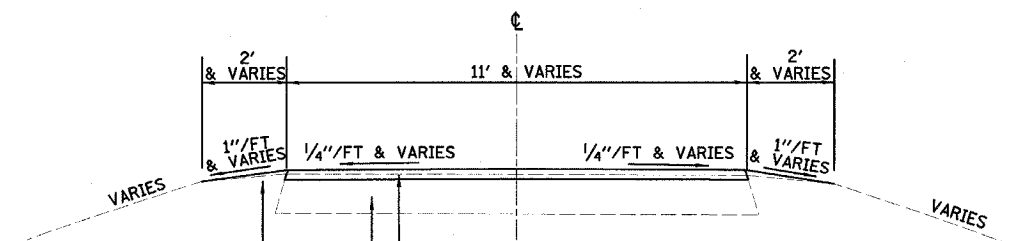
ENTRANCE ROAD
STA 201+16.55 TO STA 225+27

PROPOSED AGGREGATE SURFACE COURSE TYPE B, 10"

*D= 2.5' & VARIES

** SEE CROSS SECTIONS FOR TOP OF BERM (TOB) ELEVATIONS

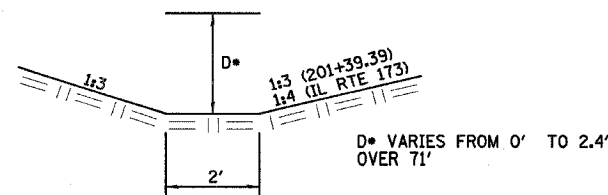
NOTE:
BERM CONSTRUCTION ONLY FROM STA. 212+50 TO STA. 224+00
AS EARTH EXCAVATION VOLUME WILL PROVIDE. EARTH EXCAVATION IS NOT TO BE HAULED OFF SITE.



PROPOSED TYPICAL SECTION

ENTRANCE ROAD
STA. 225+27 TO STA. 226+25

PROPOSED AGGREGATE SURFACE COURSE TYPE B, VARIABLE DEPTH
EXISTING AGGREGATE SURFACE COURSE, 6" ±
EARTH WEDGE



TYPICAL SECTION FOR GRADING AND SHAPING DITCHES

LT OF STA. 201+39.39 AND IN DITCH ALONG IL RTE 173
NOTE: TYPICAL SECTION ALONG ILLINOIS ROUTE 173 WILL HAVE
1:4 FORESLOPE AND 1:3 BACKSLOPE.

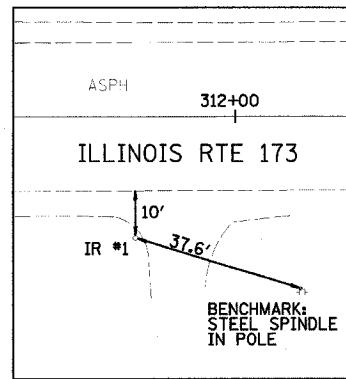
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS AND LEGEND
IDOT / IDNR
REDWING SLOUGH STATE NATURAL AREA

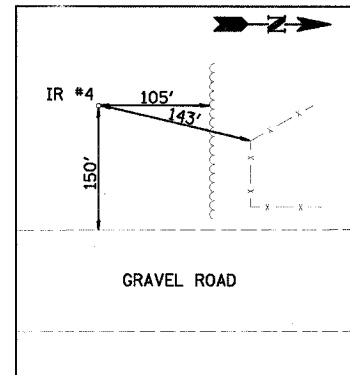
SCALE: VERT.
HORIZ.
DATE: 12/01/06

DRAWN BY: JJ
CHECKED BY: PJM

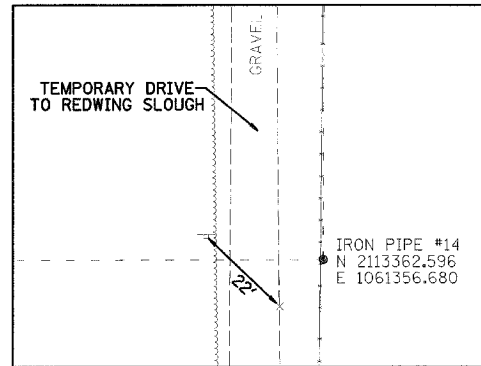
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
IDNR PROJECT NO. 2-06-003				



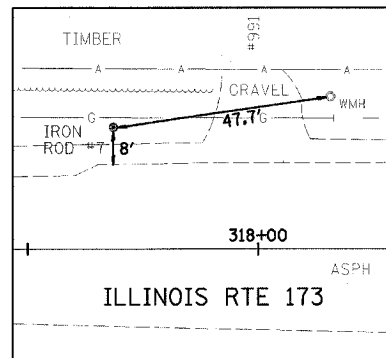
CONTROL TIE #1 (IRON ROD)
N 2112609.708
E 1060997.315



CONTROL TIE #4 (IRON ROD)
N 2114689.245
E 1061172.714



CONTROL TIE #9 (#60D NAIL)
N 2113352.249
E 1061347.207



CONTROL TIE #7 (IRON ROD)
N 2112660.705
E 1061587.575

GENERAL NOTES

- 1.) IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.
- 2.) THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPER-ELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.
- 3.) TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.
- 4.) EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- 5.) ALL PIPE CULVERTS DESIGNATED ON THE PLANS (R.C.C.P.) SHALL BE "REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE" CONFORMING TO THE REQUIREMENTS OF ARTICLE 1040.03.
- 6.) ALL SIGNING AND WOODEN SIGN SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND IDOT STANDARD DETAILS SHOWN IN THE PLANS.
- 7.) EXISTING FENCE, BRUSH AND TREES ALONG THE EAST SIDE OF THE PROPERTY, ARE TO BE REMOVED AS PART OF THE EARTHWORK AND CLEANING OPERATIONS AS DESCRIBED IN ARTICLE 201.01(d).

BENCHMARKS:

CHISELD "X", NORTH RIM OF STORM MANHOLE
100' ± SOUTH OF GATE, EAST SIDE
OF GRAVEL ROAD @ NORTH END OF SITE
ELEV= 781.13
BOOK= 2765 PAGE= 2

STEEL SPINDLE IN POWER POLE
SOUTH SIDE OF ILLINOIS ROUTE 173
ELEV= 795.18
BOOK= 2765 PAGE= 1

IRON ROD # 2
NORTHWEST OF PRIVATE PROPERTY
IN FIELD ON KNOLL
ELEV= 798.53
BOOK= 2765 PAGE= 1
N 2113595.081
E 1060938.695

REVISIONS	
NAME	DATE

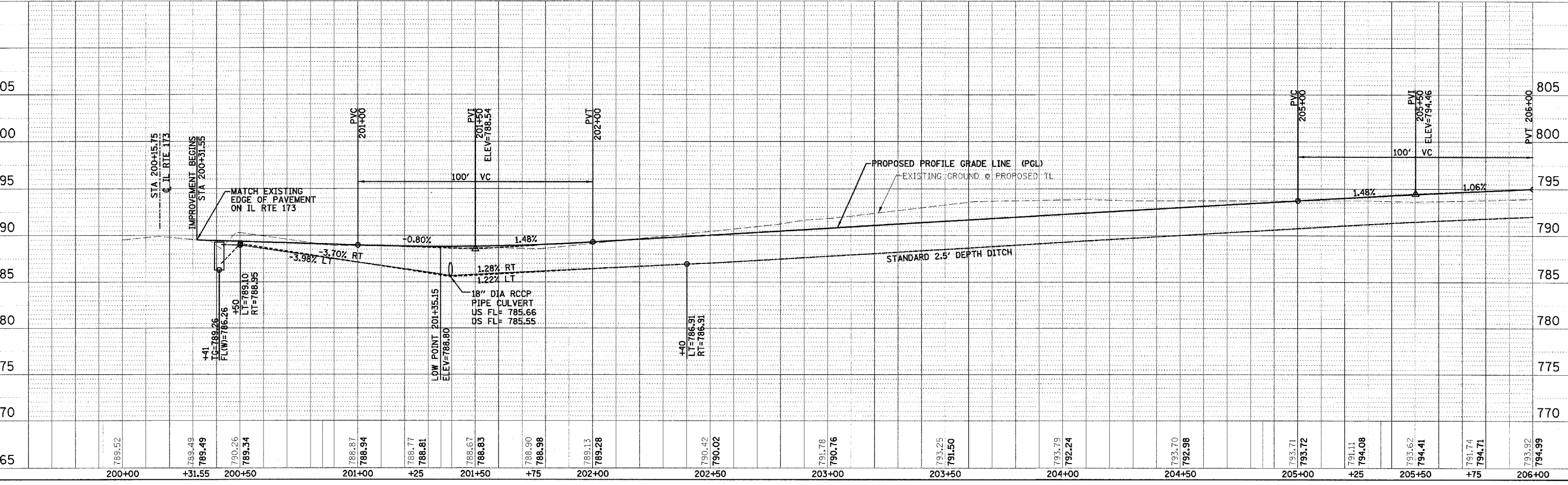
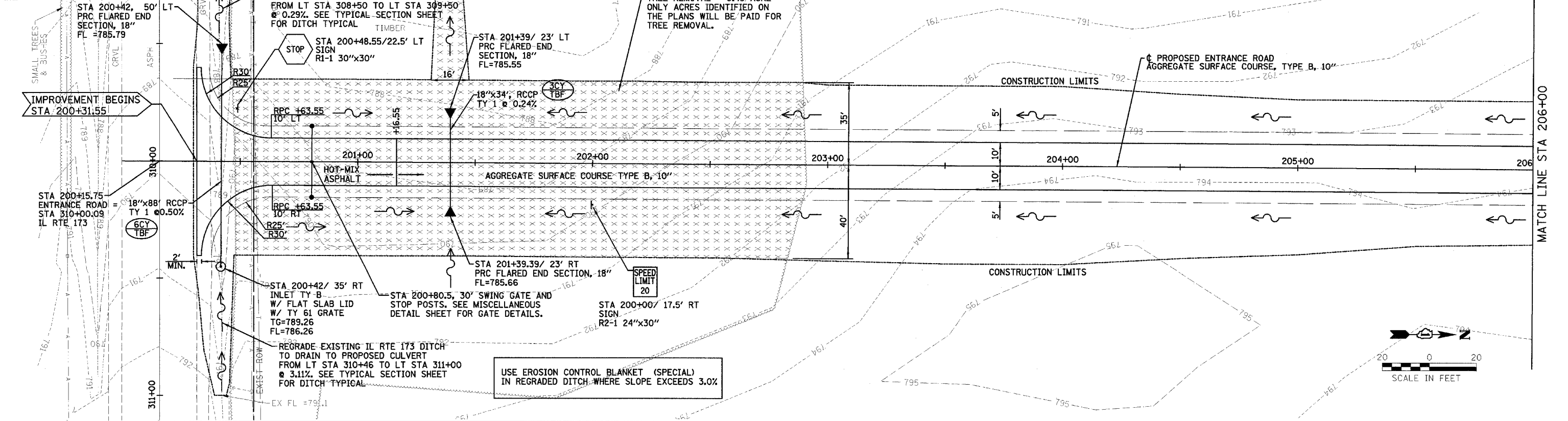
ILLINOIS DEPARTMENT OF TRANSPORTATION
CONTROL SURVEY TIES,
BENCHMARKS AND GENERAL NOTES
IDOT / IDNR
REDWING SLOUGH STATE NATURAL AREA

SCALE: VERT.
HORIZ.
DATE: 12/01/06

DRAWN BY: JJ
CHECKED BY: PJM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	6
STA. 200+00		TO STA. 206+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
DNR PROJECT NO. 2-06-003				

NOTE:
ENTRANCE ROAD ALIGNMENT SHALL MATCH CENTERLINE WITH PROPOSED RAVEN GLEN PARKING LOT ROAD FOR THE LAKE COUNTY FOREST PRESERVE SOUTH OF IL RTE 173 (BY OTHERS)



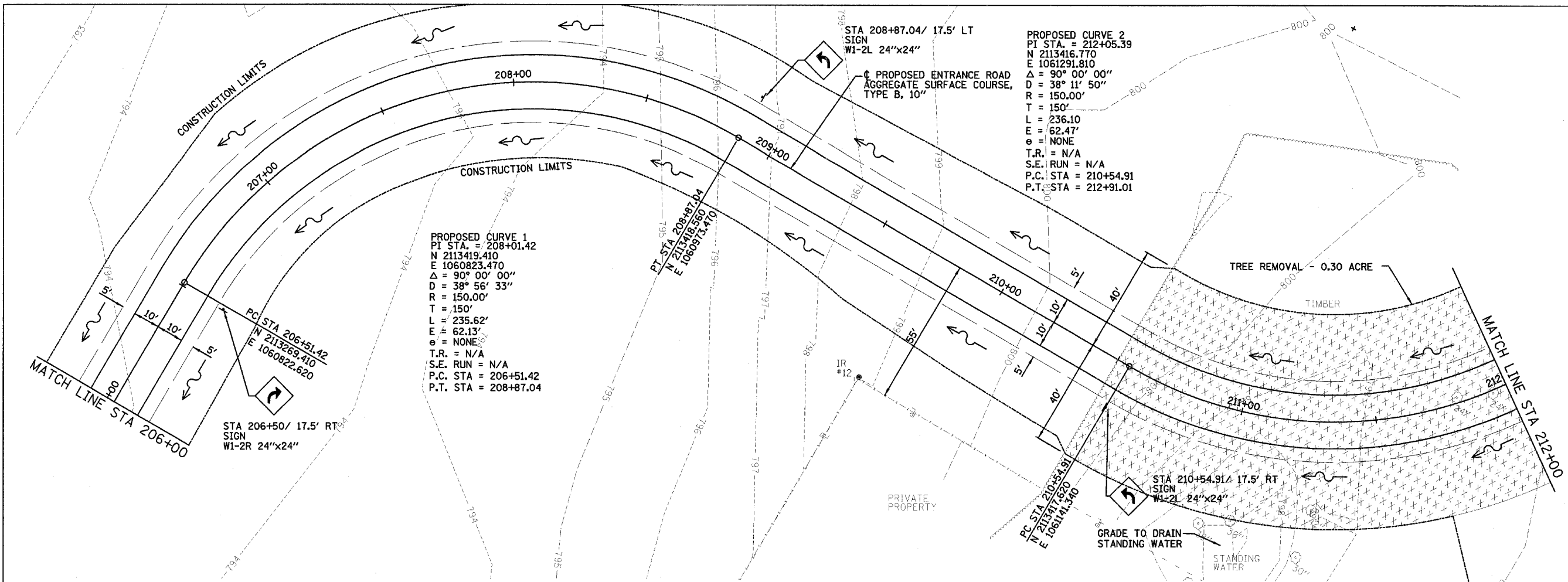
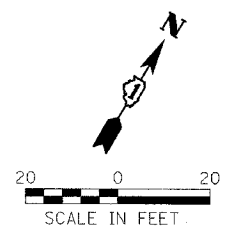
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PROF. ILE	DATE	BY
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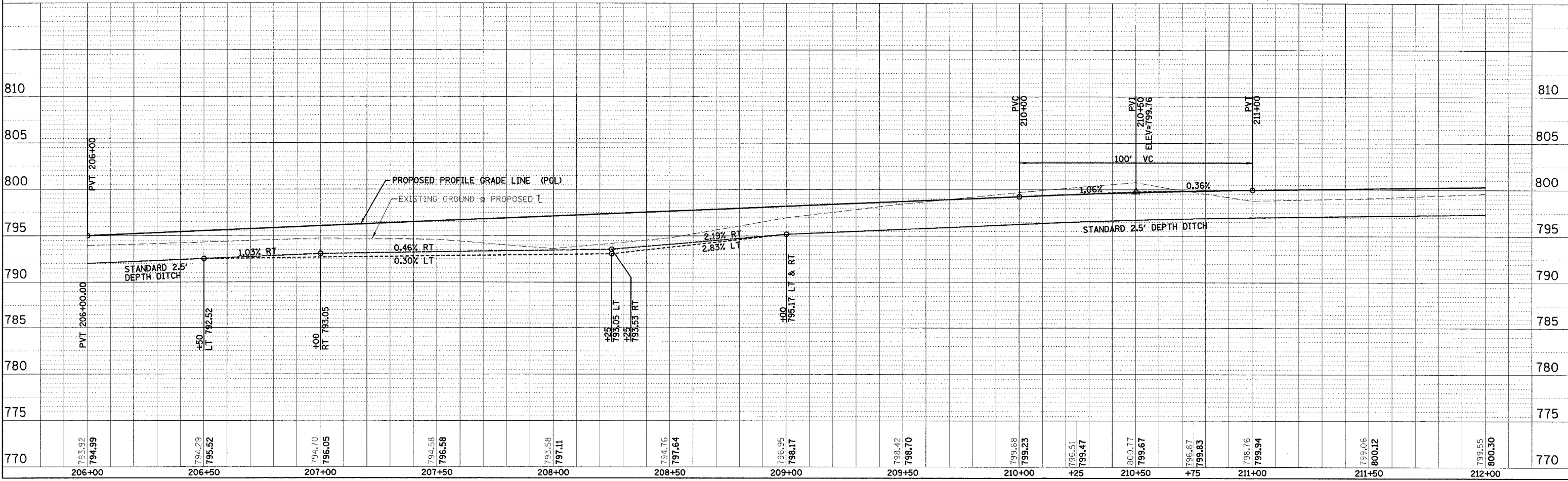
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	PARK ROADS	LAKE	26	7
STA. 206+00		TO STA. 212+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
IDNR PROJECT NO. 2-06-003				

NOTE:
EXISTING FENCE ALONG EAST PROPERTY LINE, IS TO BE REMOVED AS PART OF EARTHWORK OPERATIONS. NEW WOVEN WIRE FENCE IS TO BE CONSTRUCTED AFTER PROPOSED EARTHWORK IS FINISHED.



PLAN	SURVEYED	DATE
	BY	
	NOTED	
	REVISIONS	
	NO.	
	DATE	
	BY	
	REVISIONS	
	NO.	
	DATE	
	BY	

PROFILE	SURVEYED	DATE
	BY	
	NOTED	
	REVISIONS	
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	DATE	
	BY	
	REVISIONS	
	NO.	
	DATE	
	BY	

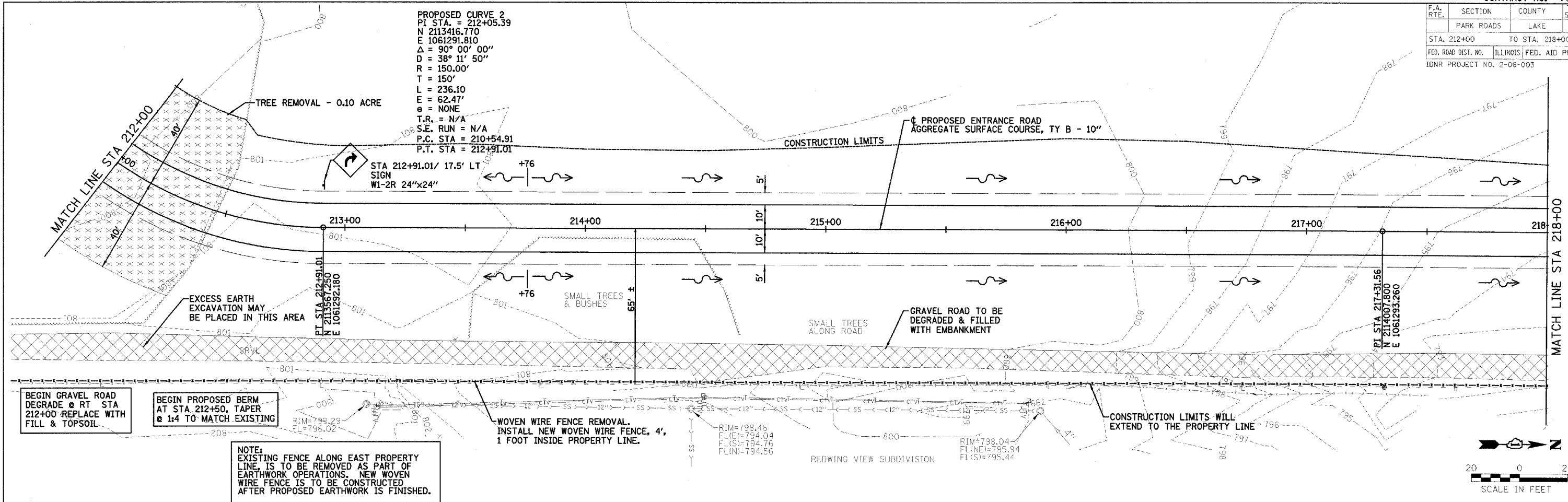


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	PARK ROADS	LAKE	26	8

STA. 212+00 TO STA. 218+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 IDNR PROJECT NO. 2-06-003

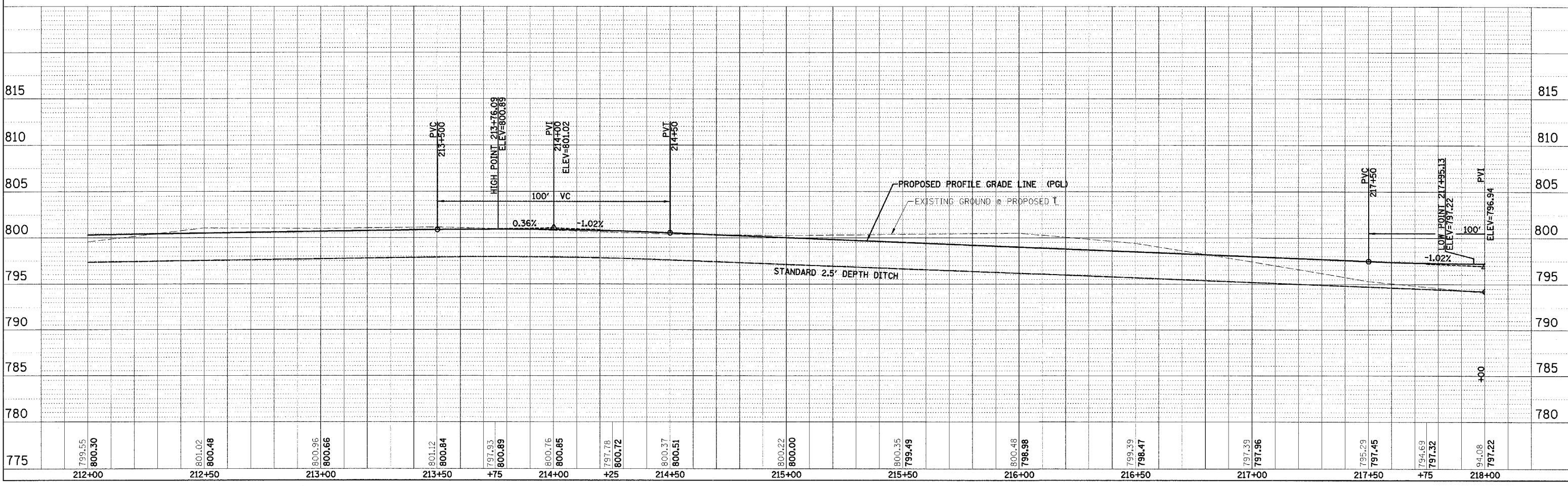
PROPOSED CURVE 2
 PI STA. = 212+05.39
 N 2113416.770
 E 1061291.810
 $\Delta = 90^\circ 00' 00''$
 $D = 38^\circ 11' 50''$
 $R = 150.00'$
 $T = 150'$
 $L = 236.10$
 $E = 62.47'$
 $e = \text{NONE}$
 $T.R. = \text{N/A}$
 $S.E. \text{ RUN} = \text{N/A}$
 $P.C. \text{ STA} = 210+54.91$
 $P.T. \text{ STA} = 212+91.01$



PLAN
 SURVEYED BY: []
 PLOTTED BY: []
 CHECKED BY: []
 DATE: []

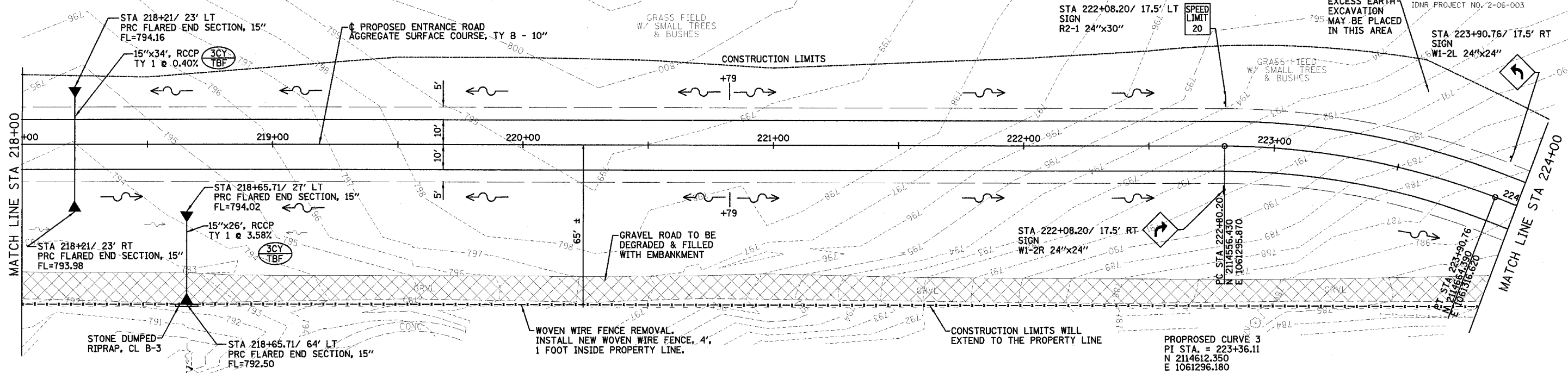
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	9

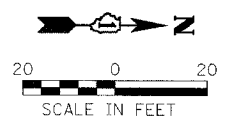
STA. 218+00 TO STA. 224+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 IDNR PROJECT NO. 2-06-003



NOTE:
 EXISTING FENCE ALONG EAST PROPERTY LINE, IS TO BE REMOVED AS PART OF EARTHWORK OPERATIONS. NEW WOVEN WIRE FENCE IS TO BE CONSTRUCTED AFTER PROPOSED EARTHWORK IS FINISHED.

PROPOSED CURVE 3
 PI STA. = 223+36.11
 N 2114612.350
 E 1061296.180
 Δ = 21° 06' 58"
 D = 19° 05' 55"
 R = 300.00'
 T = 55.92'
 L = 110.56'
 E = 5.17'
 θ = NONE
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 222+80.20

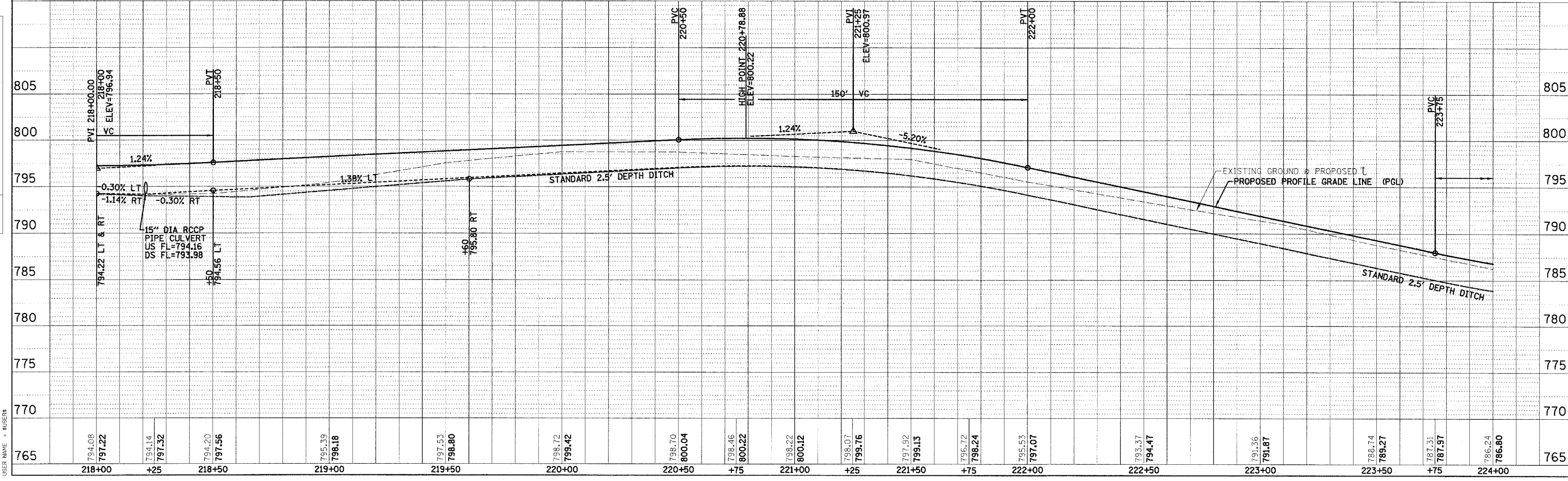
END PROPOSED BERM
 AT STA 224+00, TAPER
 @ 1:4 TO MATCH EXISTING



DATE	
BY	
REVISION	
NO.	
DESCRIPTION	

DATE	
BY	
REVISION	
NO.	
DESCRIPTION	

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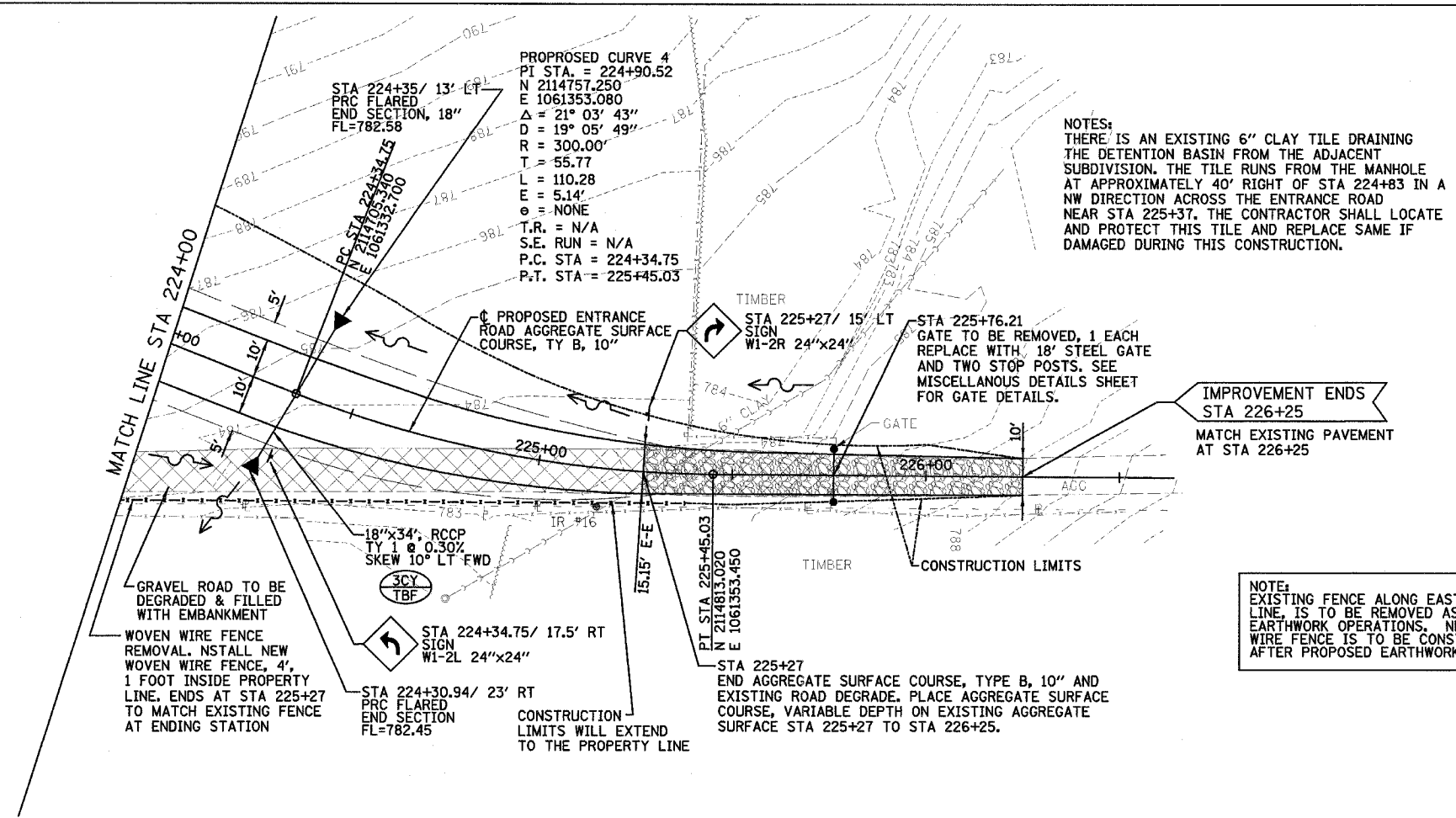


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	10
STA. 224+00 TO STA. 226+25				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
IDNR PROJECT NO. 2-06-003				

DATE: _____ BY: _____
 CHECKED: _____
 NO. OF MAY CHECKED: _____
 CAD FILE NAME: _____

DATE: _____ BY: _____
 CHECKED: _____
 NO. OF MAY CHECKED: _____
 STRUCTURE NOTATION: _____

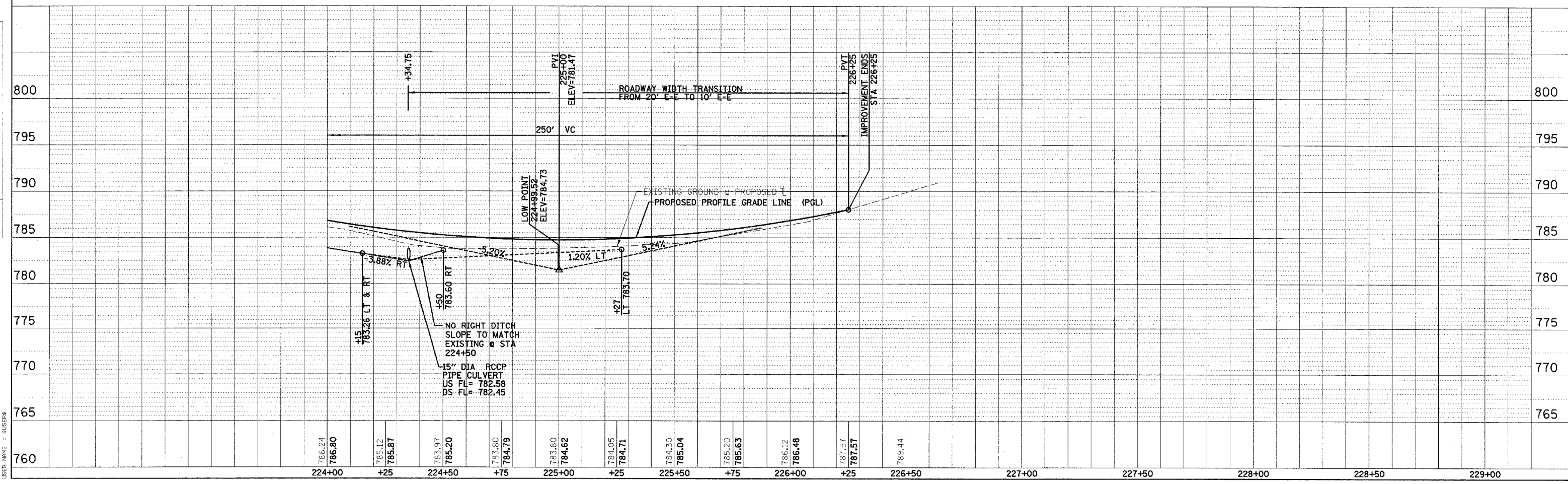
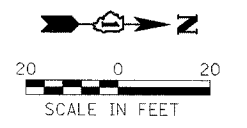
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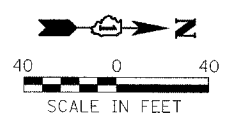
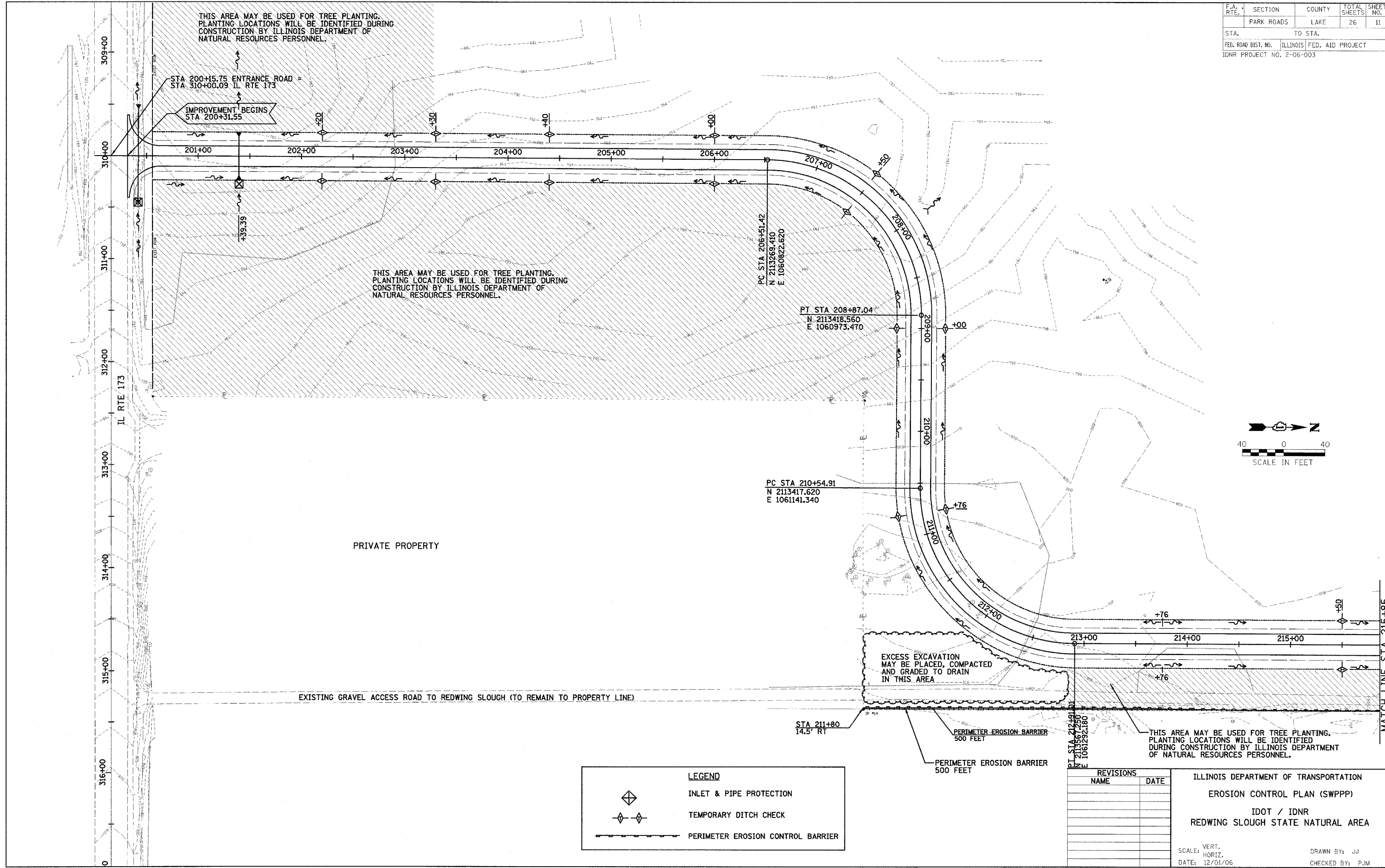
NOTES:
 THERE IS AN EXISTING 6" CLAY TILE DRAINING THE DETENTION BASIN FROM THE ADJACENT SUBDIVISION. THE TILE RUNS FROM THE MANHOLE AT APPROXIMATELY 40' RIGHT OF STA 224+83 IN A NW DIRECTION ACROSS THE ENTRANCE ROAD NEAR STA 225+37. THE CONTRACTOR SHALL LOCATE AND PROTECT THIS TILE AND REPLACE SAME IF DAMAGED DURING THIS CONSTRUCTION.

IMPROVEMENT ENDS STA 226+25
 MATCH EXISTING PAVEMENT AT STA 226+25

NOTE:
 EXISTING FENCE ALONG EAST PROPERTY LINE, IS TO BE REMOVED AS PART OF EARTHWORK OPERATIONS. NEW WOVEN WIRE FENCE IS TO BE CONSTRUCTED AFTER PROPOSED EARTHWORK IS FINISHED.



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
IDNR PROJECT NO. 2-06-003				



LEGEND	
	INLET & PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PERIMETER EROSION CONTROL BARRIER

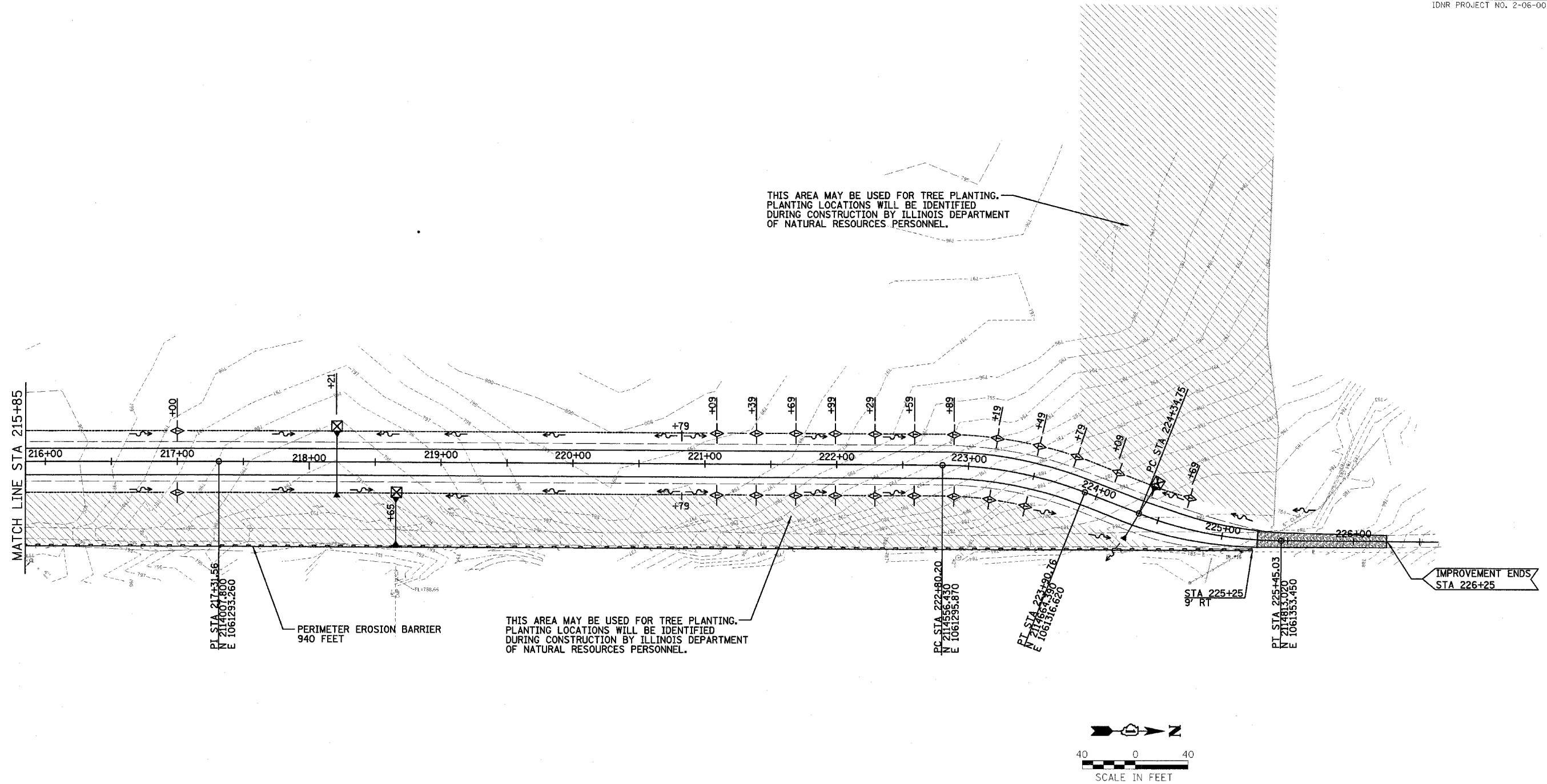
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EROSION CONTROL PLAN (SWPPP)
 IDOT / IDNR
 REDWING SLOUGH STATE NATURAL AREA

SCALE: VERT. _____
 HORIZ. _____
 DATE: 12/01/06

DRAWN BY: JJ
 CHECKED BY: PJM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
IDNR PROJECT NO. 2-06-003				



THIS AREA MAY BE USED FOR TREE PLANTING. PLANTING LOCATIONS WILL BE IDENTIFIED DURING CONSTRUCTION BY ILLINOIS DEPARTMENT OF NATURAL RESOURCES PERSONNEL.

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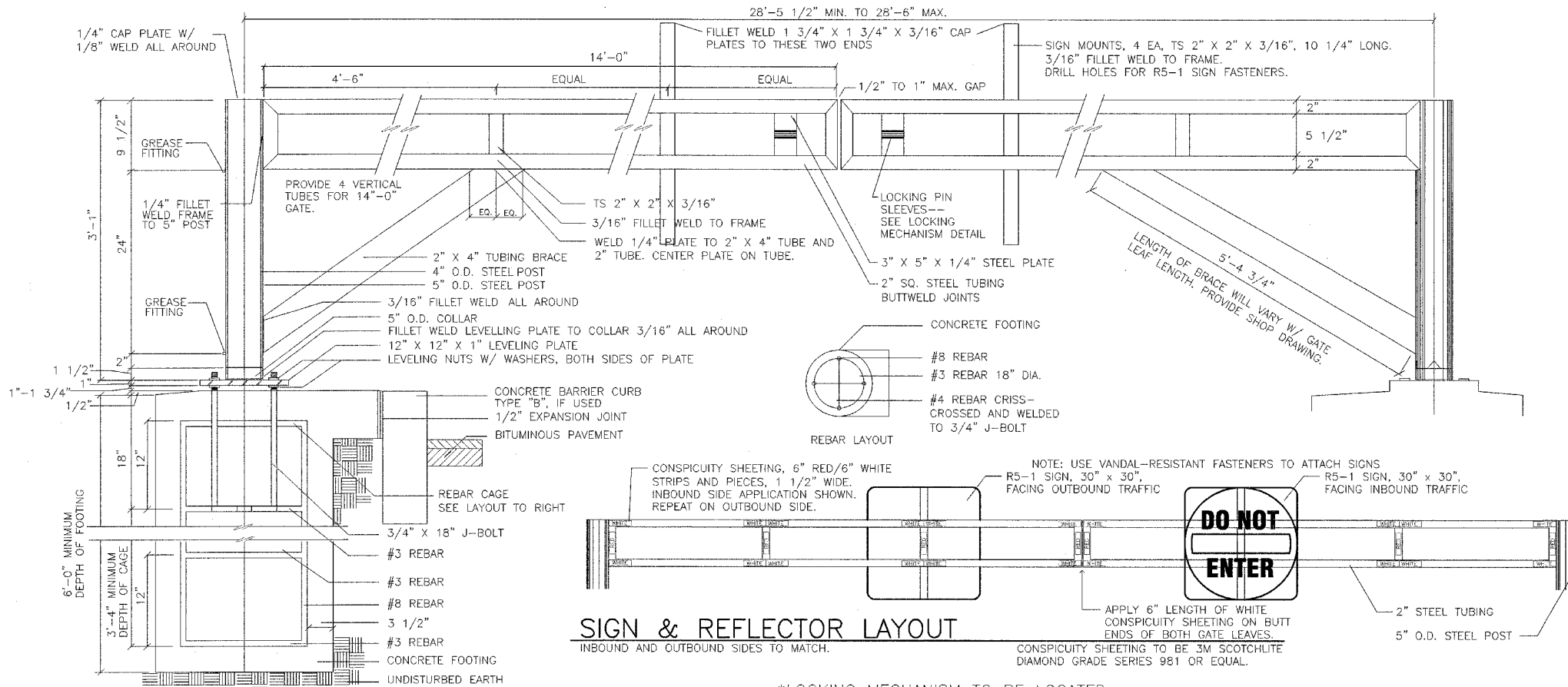
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	INLET & PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PERIMETER EROSION CONTROL BARRIER

REVISIONS	
NAME	DATE

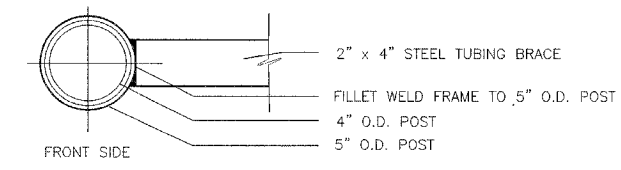
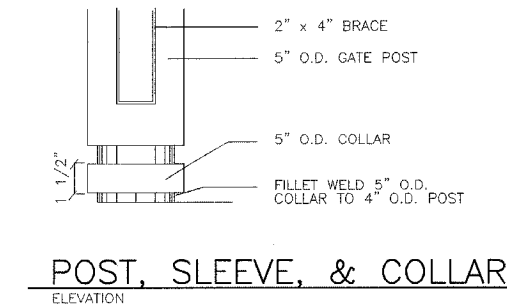
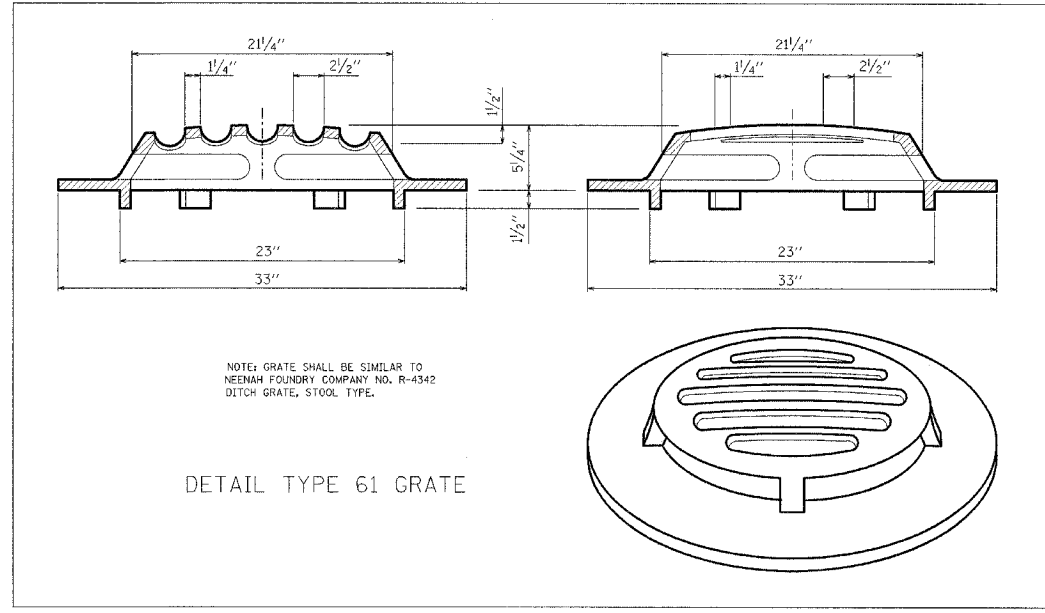
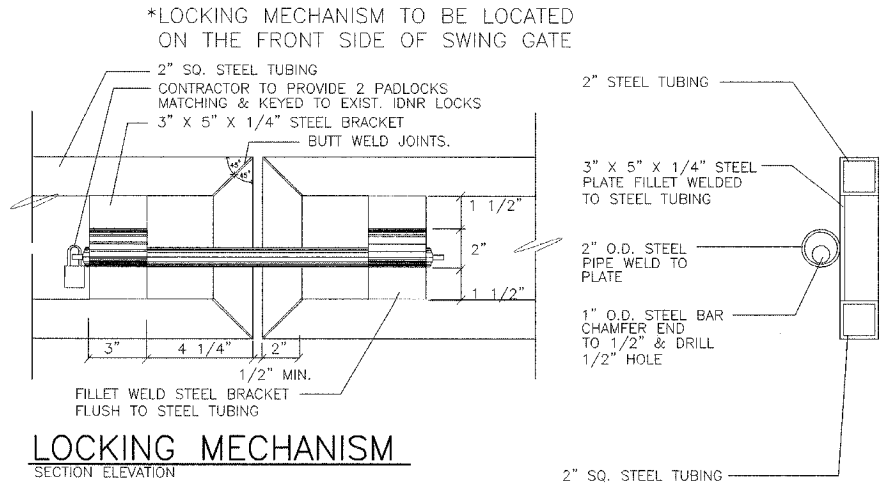
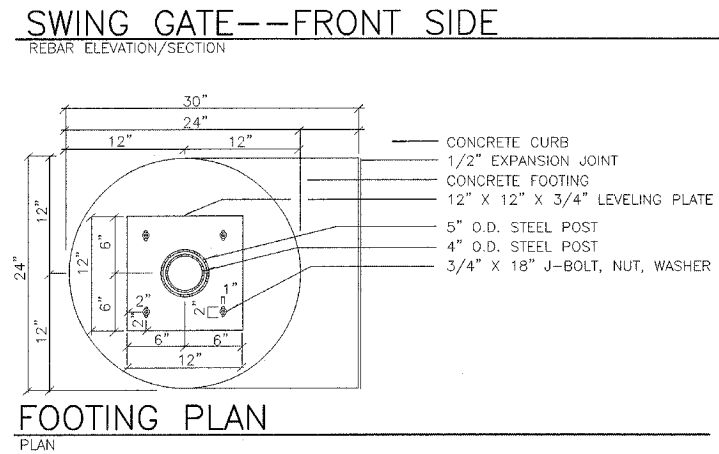
ILLINOIS DEPARTMENT OF TRANSPORTATION
 EROSION CONTROL PLAN (SWPPP)
 IDOT / IDNR
 REDWING SLOUGH STATE NATURAL AREA

SCALE: VERT. _____
 HORIZ. _____
 DATE: 12/01/06
 DRAWN BY: JJ
 CHECKED BY: PJM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
IDNR PROJECT NO. 2-06-003				



- STEEL GATE GENERAL NOTES**
- THE ENTRANCE GATE SHALL BE PAINTED WITH ONE PRIMER COAT AND TWO FINISH COATS. THE PRIMER SHALL BE AN ORGANIC, ZINC RICH, RUST INHIBITING PRIMER. THE FINISH COATS SHALL BE A MINERAL SPIRIT REDUCED FINISH COAT INTENDED FOR EXTERIOR APPLICATIONS. THE COLOR SHALL MATCH EXISTING FACILITIES. CONTRACTOR SHALL SUBMIT PAINT CHIPS OF FINAL COLOR FOR APPROVAL. ALL EDGES OF HOLES SHALL BE PRIMED AND PAINTED PRIOR TO INSTALLING THE BOLTS. ALTERNATIVE FINISH: INSTEAD OF PAINT, A BAKED-ON ELECTROSTATICALLY APPLIED POLYESTER DRY POWDER COATING MAY BE USED. CONTRACTOR SHALL SUBMIT POWDER COATING SPECIFICATION WITH SHOP DRAWING.
 - ALL TUBE MEMBERS (TS) SHALL BE COLD FORMED WELDED STRUCTURAL STEEL CONFORMING TO THE LATEST ASTM A00 GRADE B (46 KSI).
 - STRUCTURAL STEEL SHALL CONFORM TO THE LATEST ASTM A36.
 - ALL WELDS SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70 ELECTRODES.
 - HOLES IN THE STRUCTURAL STEEL AND TUBE MEMBERS SHALL BE 1/8" INCH MAXIMUM LARGER THAN THE BOLT, UNLESS NOTED OTHERWISE.
 - HINGE PIN HOLES IN THE STRUCTURAL STEEL AND TUBE MEMBERS SHALL BE 1/2" INCH MAXIMUM LARGER THAN THE PIN, UNLESS NOTED OTHERWISE.
 - GATE LOCK POST SHALL BE ERRECTED AFTER THE GATE IN ORDER TO ACCOUNT FOR THE DEAD LOAD DEFLECTION OF THE GATE AND TO CORRECTLY LOCATE THE HOLE AND PIN ALIGNMENT.
 - ALL HORIZONTAL AND DIAGONAL MEMBERS SHALL HAVE A 1/2" DIAMETER VENT HOLE DRILLED UNDERNEATH THE MEMBERS AT EACH END.
 - ALL EXPOSED CORNERS OF PLATES SHALL HAVE A 1/4" RADIUS UNLESS NOTED OTHERWISE.
 - ALL CONCRETE SHALL BE CLASS SI AND SHALL HAVE A MINIMUM 14-DAY COMPRESSIVE STRENGTH OF 3500 PSI. ALL FOUNDATIONS SHALL BE DRILLED, INSPECTED, AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT OF CONCRETE. THE SOIL WAS ASSUMED TO BE A BLACK SLAG OR A LOOSE SAND AND GRAVEL.
 - RETROFLECTIVE CONSPICUITY SHEETING SHALL BE 3M SCOTCHLITE DIAMOND GRADE SERIES 981 OR EQUAL. CONTRACTOR SHALL PROVIDE A 7-YEAR WARRANTY ON THE RETROFLECTIVE SHEETING.
 - ALL EXPOSED EDGES SHALL BE GROUND SMOOTH.
 - ALL STEEL SHALL BE BLAST CLEANED PER SSPC-SP6 COMMERCIAL BLAST CLEANING PRIOR TO APPLICATION OF PRIMER COAT.
 - SIGNS SHALL BE THRU-BOLTED TO THE GATE AT THE LOCATIONS INDICATED ON THE PLAN WITH STAINLESS STEEL BOLTS. THE HOLES FOR THE BOLTS SHALL BE DRILLED.
 - CONTRACTOR SHALL LAYOUT LOCK POSTS AND HINGE POSTS FOR LOCATION APPROVED BY THE ENGINEER PRIOR TO FABRICATION.



HINGE POST
SECTION

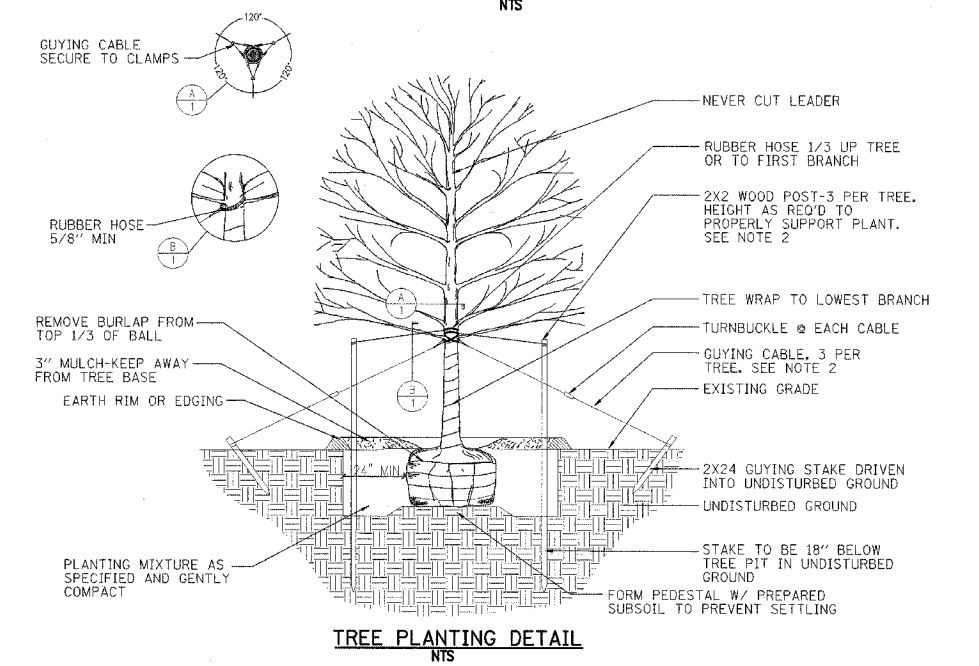
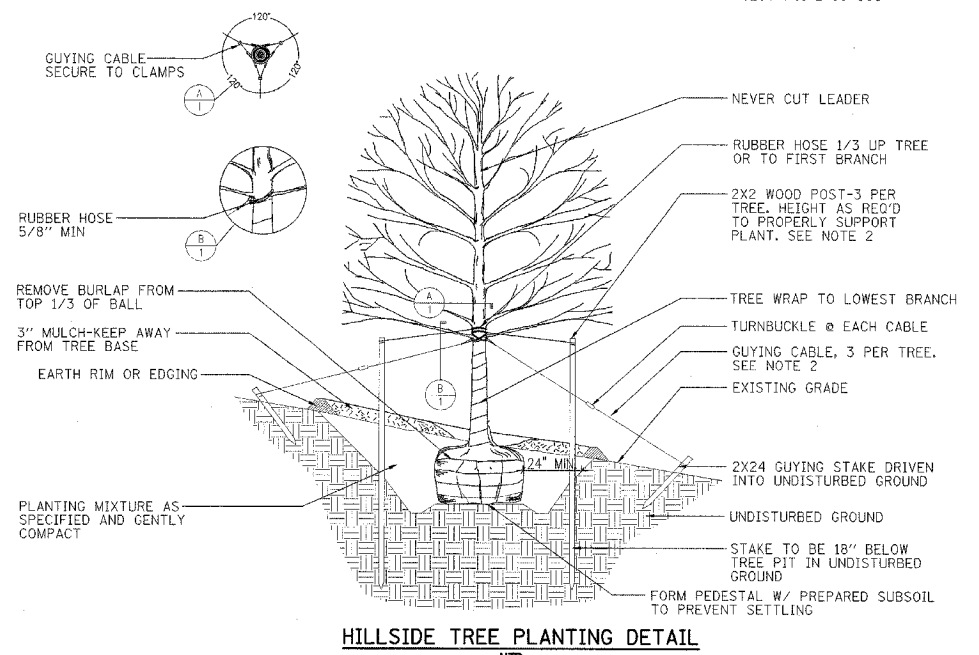
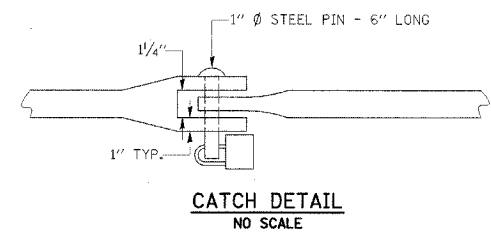
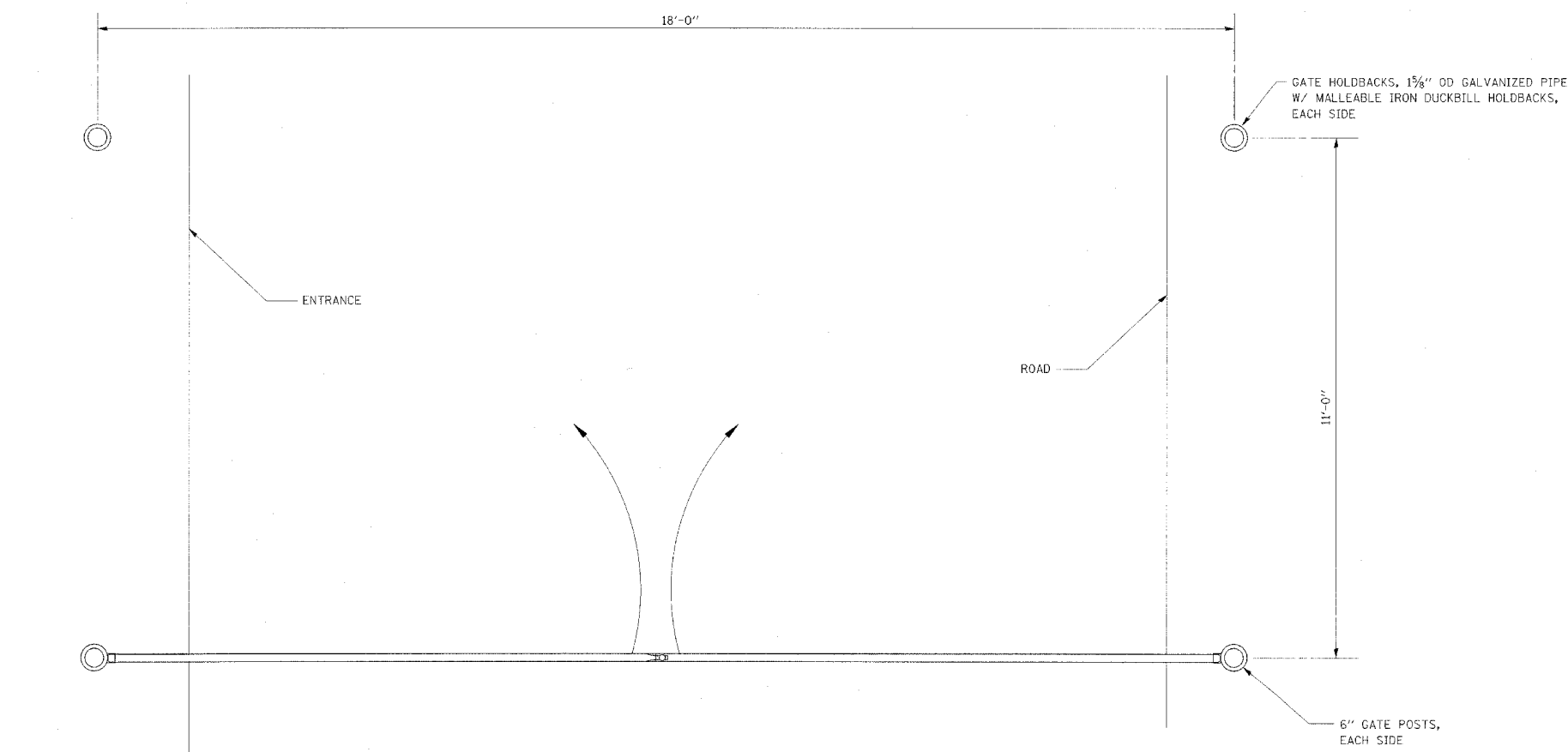
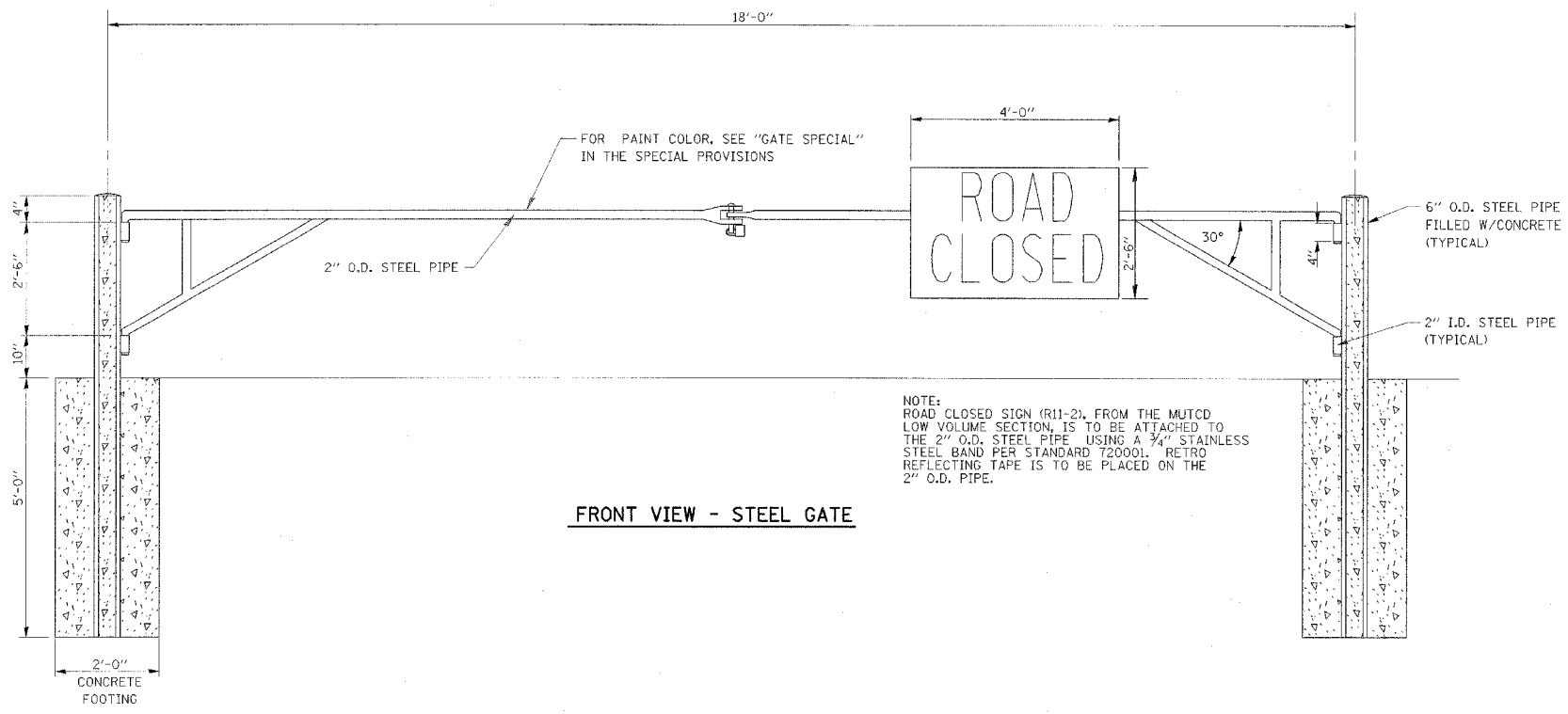
SWING GATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS DETAILS
IDOT / IDNR
REDWING SLOUGH STATE NATURAL AREA

SCALE: VERT. DRAWN BY: JJ
 HORIZ. CHECKED BY: PJM
DATE: 12/01/06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	14
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
IDNR PROJECT NO. 2-06-003				



- NOTES:
- TREE SHALL BE SET 2" HIGHER THAN DEPTH GROWN AT NURSERY.
 - STAKE TREES UNDER 2" CAL. GUY TREES 2" AND OVER.
 - PLANT IN ACCORDANCE WITH SECTION 253 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 1, 2007 EDITION.
 - ALL TREES WILL BE PLANTED ON-SITE AND WITHIN RELATIVELY SHORT DISTANCE FROM THE ROADWAY CONSTRUCTION. IDNR WILL STAKE INDIVIDUAL TREE SPECIES LOCATIONS FOR THE CONTRACTOR WHEN LANDSCAPING WORK IS READY TO BEGIN.
 - BRACING, WRAPPING, MULCH, PLANTING MIXTURE AND ALL WORK SHOWN ON THE DETAILS AND DESCRIBED IN THE STANDARD SPECIFICATIONS SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH FOR TREES OF THE SIZE AND TYPE NOTED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS DETAILS
IDOT / IDNR
REDWING SLOUGH STATE NATURAL AREA

SCALE: VERT. HORIZ. DATE: 12/01/06

DRAWN BY: JJ
CHECKED BY: PJM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	15

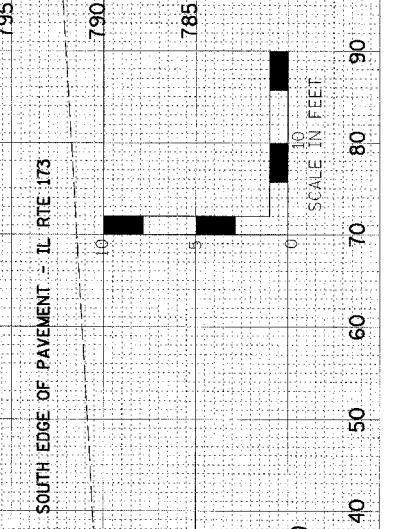
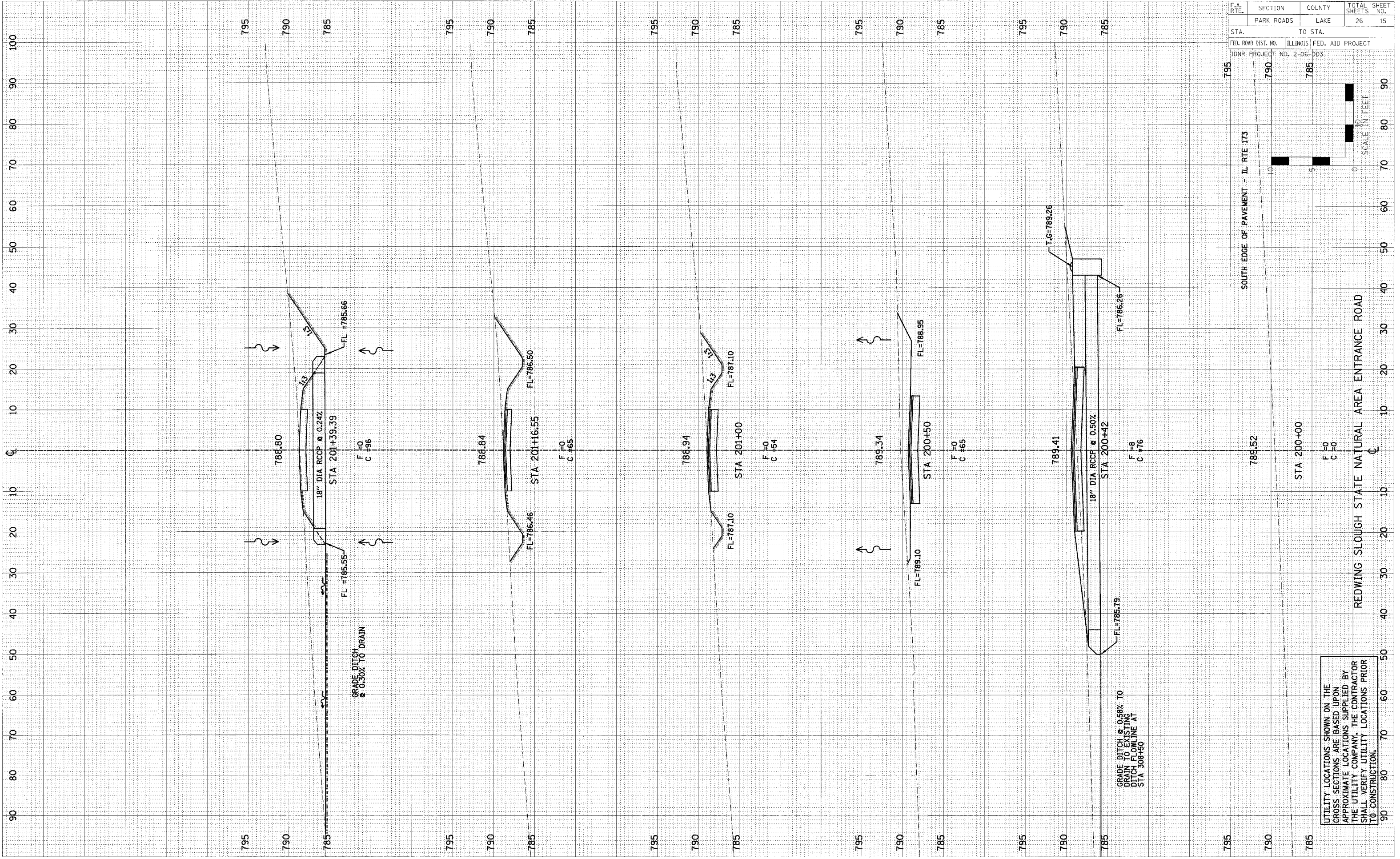
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
IDNR PROJECT NO.	2-06-003

DATE	BY
DATE	BY

NO.	DATE	BY
NO.	DATE	BY

NO.	DATE	BY
NO.	DATE	BY

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 FILE NAME = FILE
 PLOT SCALE = SCALES
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UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

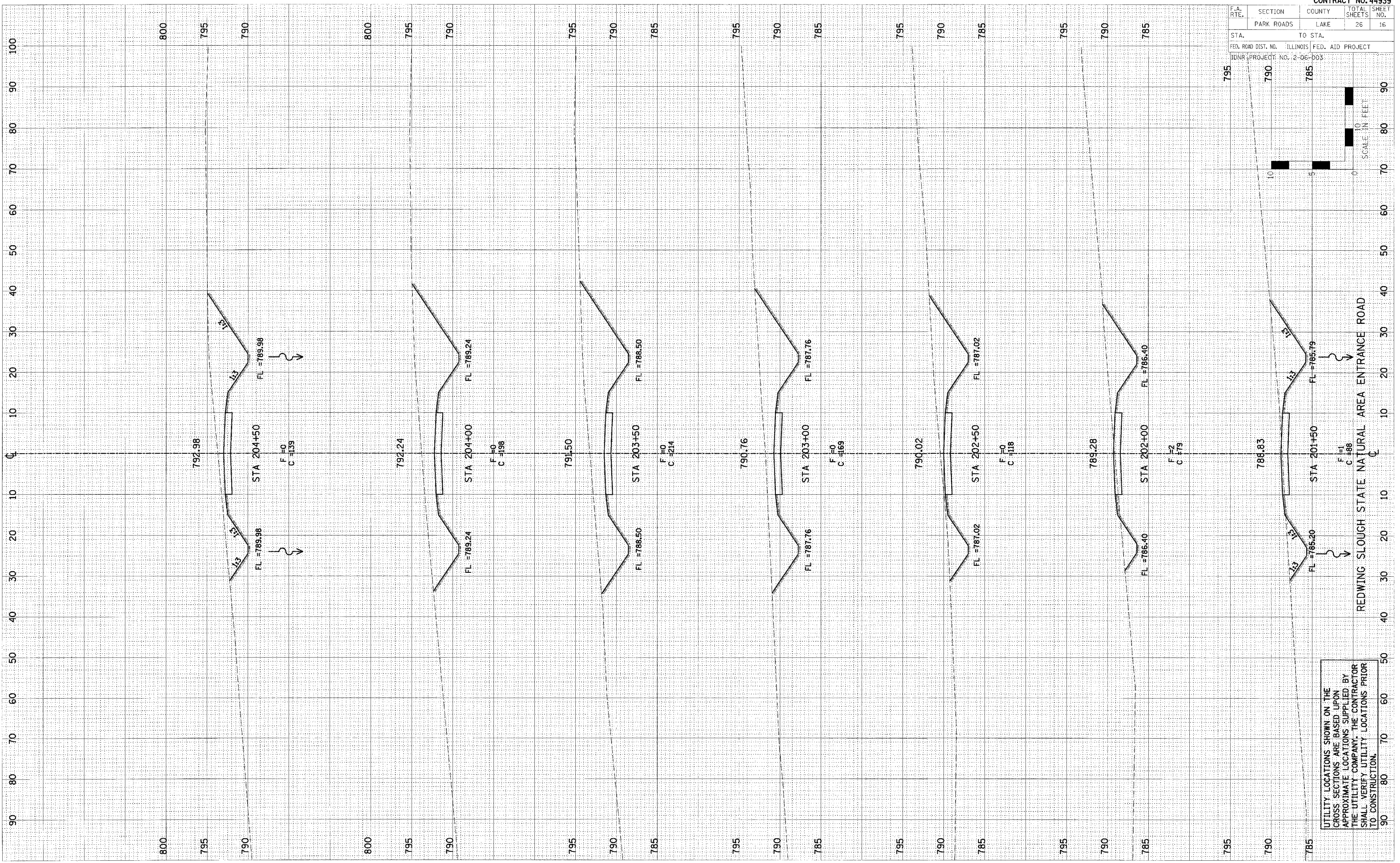
REDWING SLOUGH STATE NATURAL AREA ENTRANCE ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
IDNR PROJECT NO.	2-06-003			

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
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UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	17

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 IDNR PROJECT NO. 2-06-003

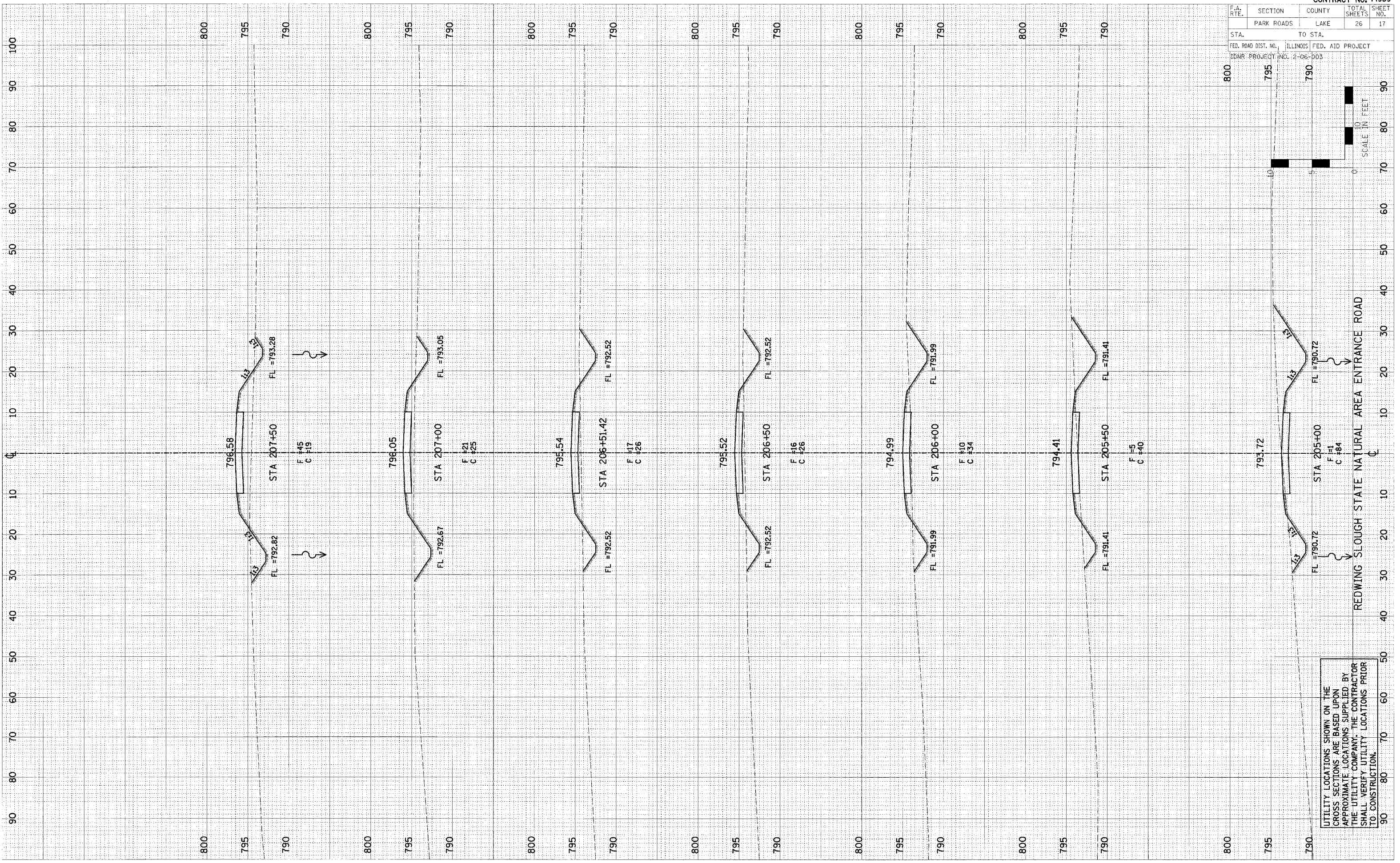
BY _____ DATE _____

FINAL SURVEY	SURVEYED
NOTE BOOK	PROF'D
NO.	AS SHOWN

BY _____ DATE _____

ORIGINAL SURVEY	SURVEYED
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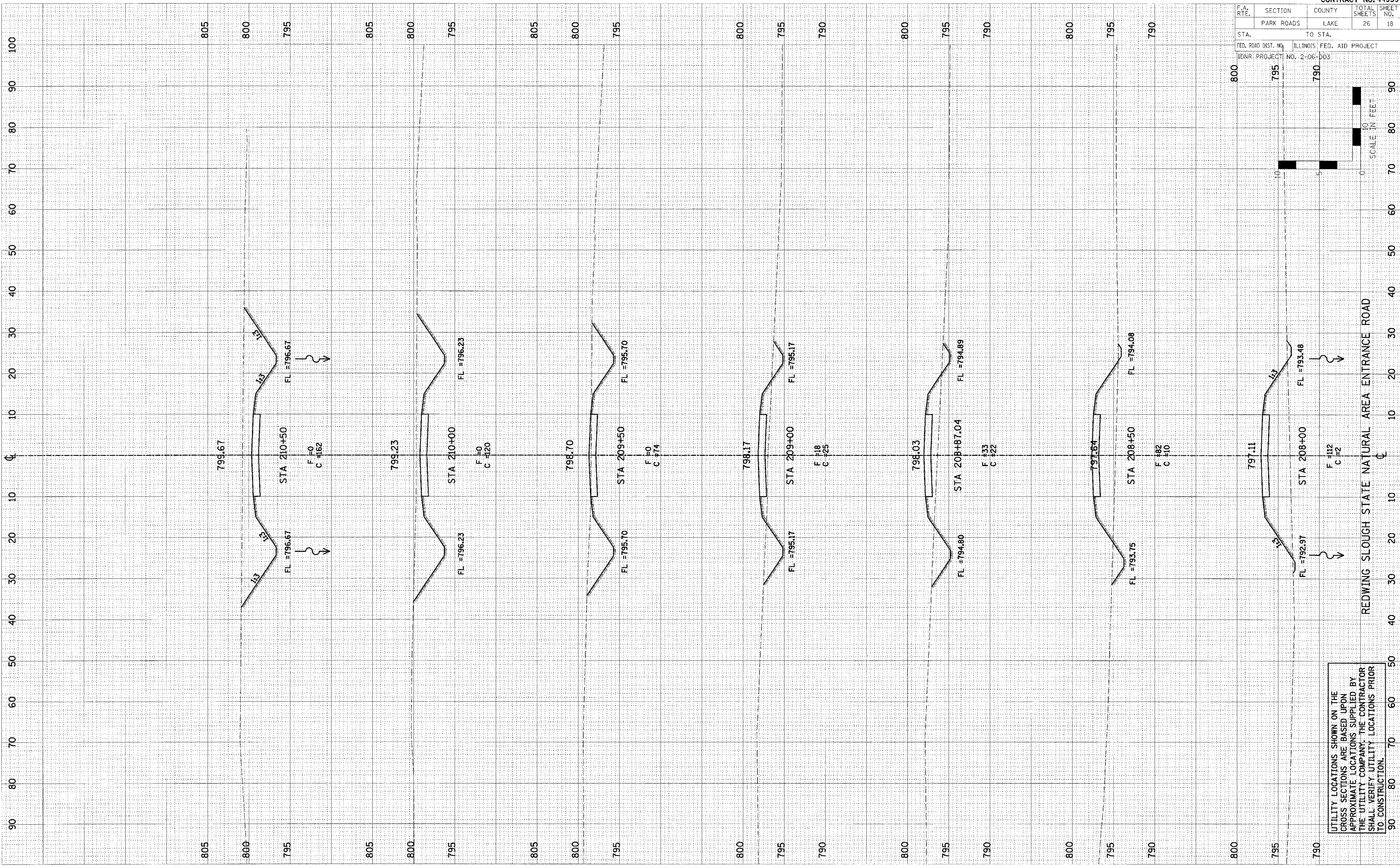
UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	18
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
IDNR PROJECT NO.	2-06-003			

DATE	BY	DATE

DATE	BY	DATE

DATE	BY	DATE



UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

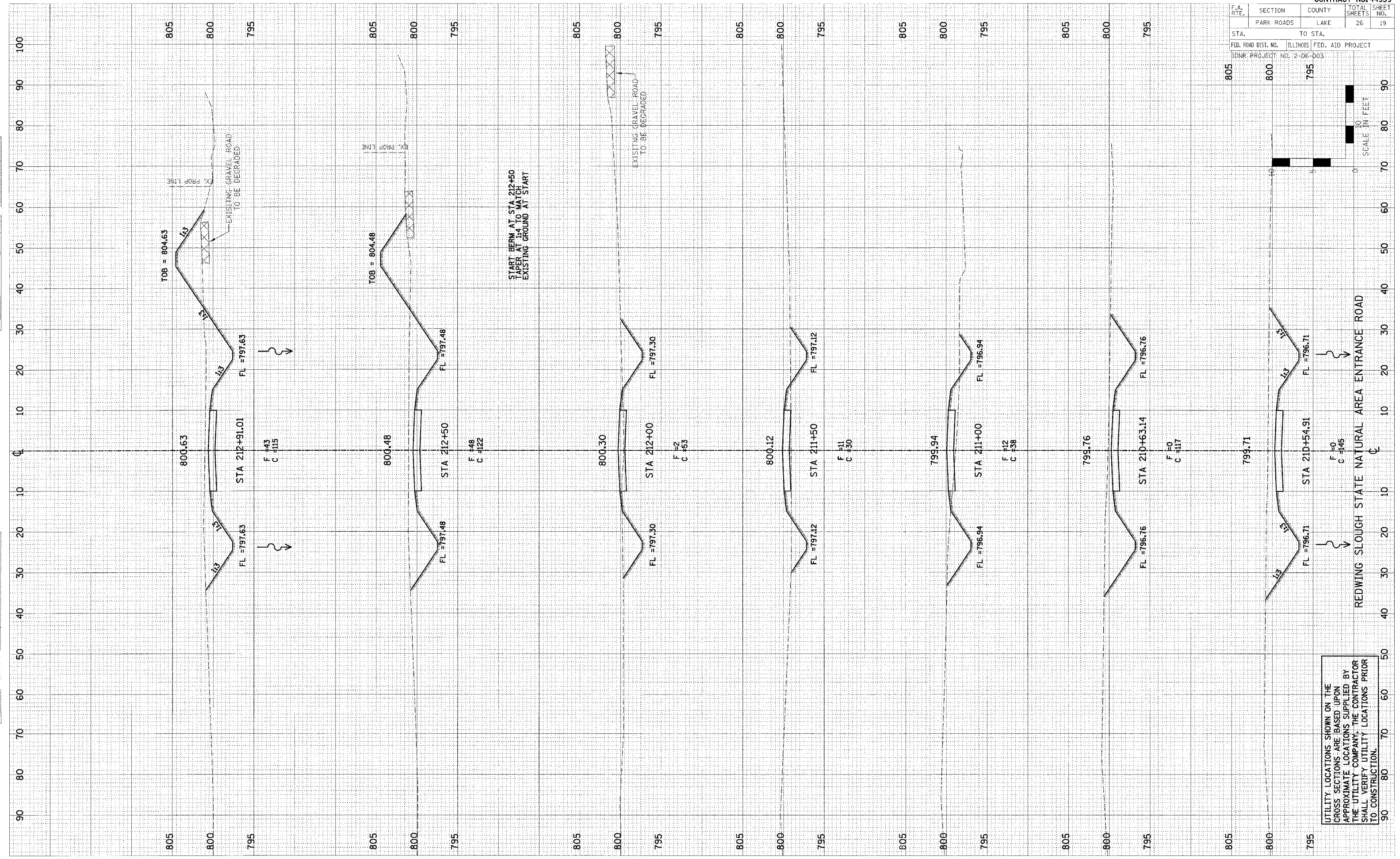
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	PARK ROADS	LAKE	26	19

STA. TO STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 IDNR PROJECT NO. 2-06-003

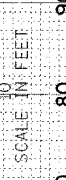
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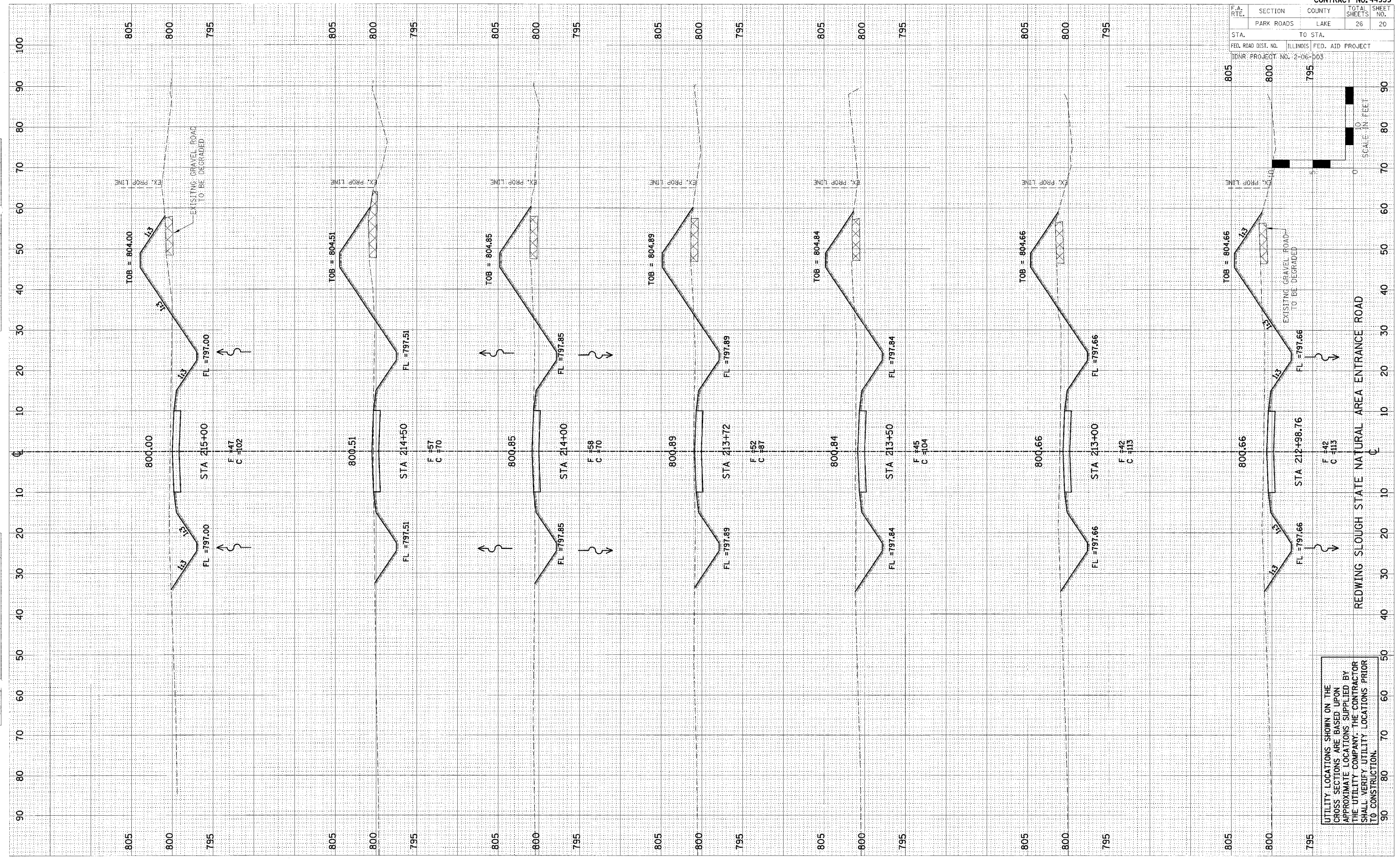
UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	20
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
IDNR PROJECT NO.	2-06-005			

DATE: _____
 BY: _____
 SUPERVISED: _____
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DATE: _____
 BY: _____
 SUPERVISED: _____
 CHECKED: _____
 PLOTTED: _____
 FILE NAME: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____
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UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

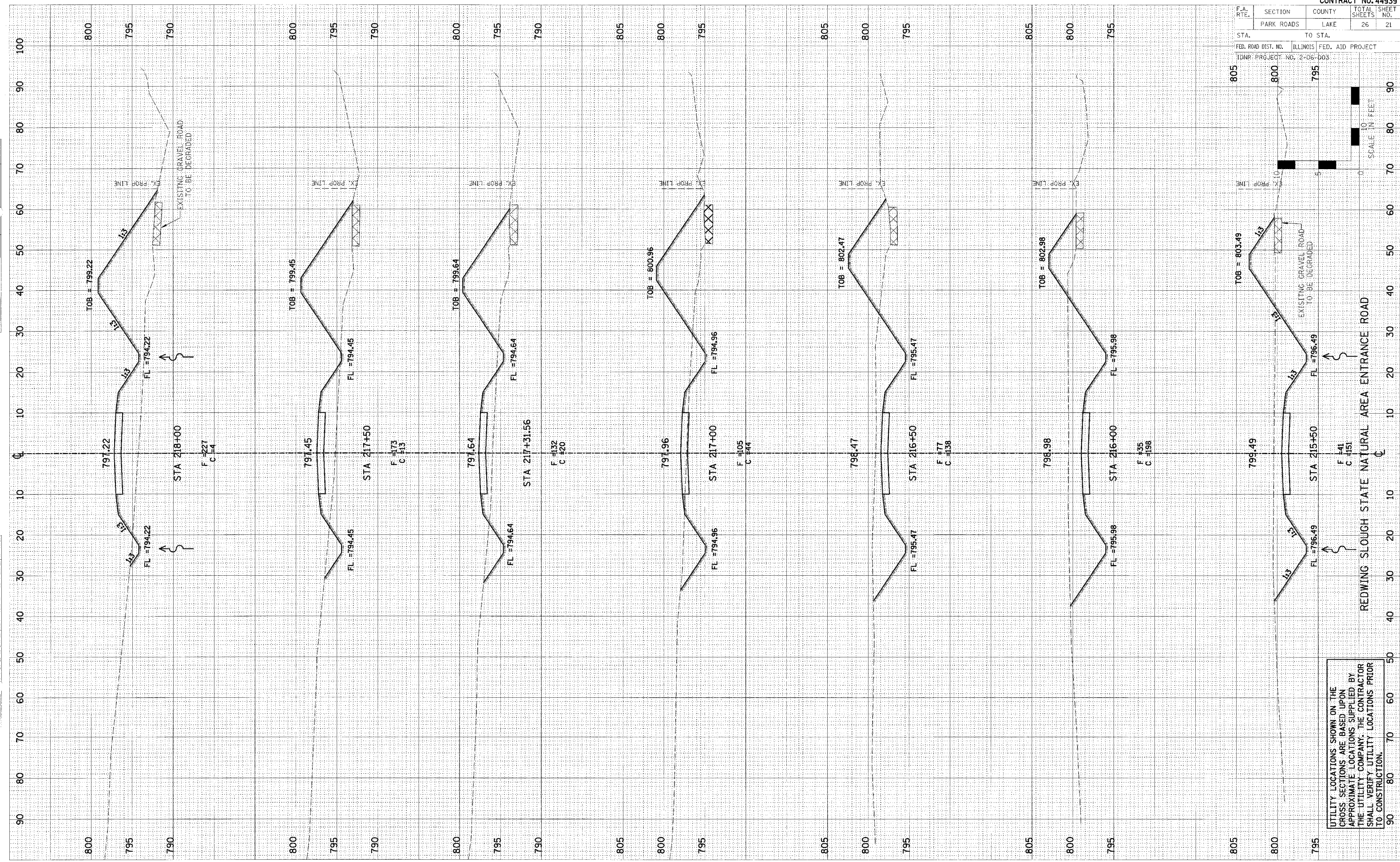
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	21

STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 TDNR PROJECT NO. 2-06-003

DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

PLOT DATE = 4/25/14
 FILE NAME = 44939.PLT
 PLOT SCALE = 1"=40'
 USER NAME = JHUBER



UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	22

STA.	TO STA.

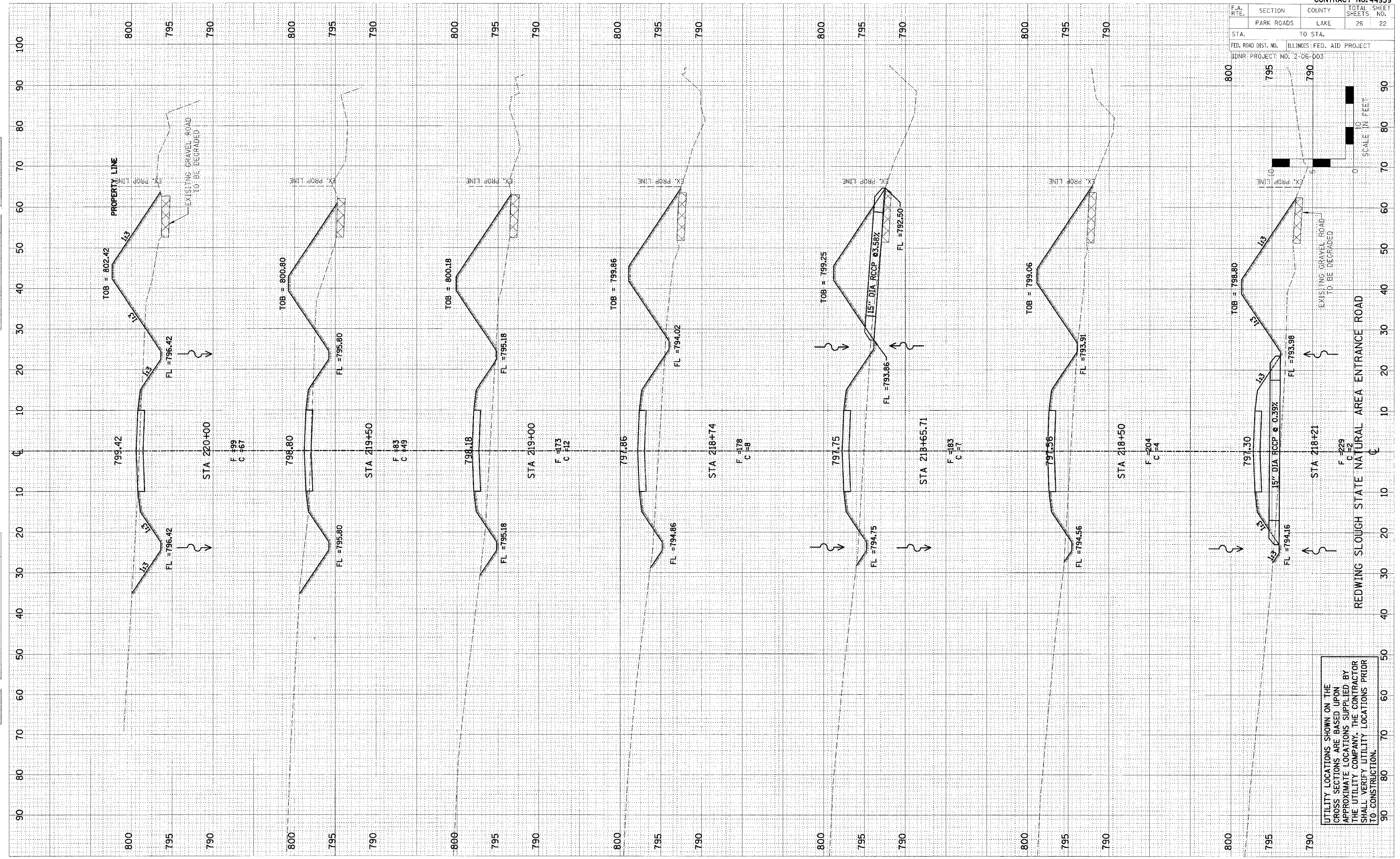
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

IDNR PROJECT NO.
2-06-003

NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION

PLOT DATE = 04/05/08
FILE NAME = 44939.PLT
PLOT SCALE = 1"=40'
USER NAME = AUBER



UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PARK ROADS	LAKE	26	23

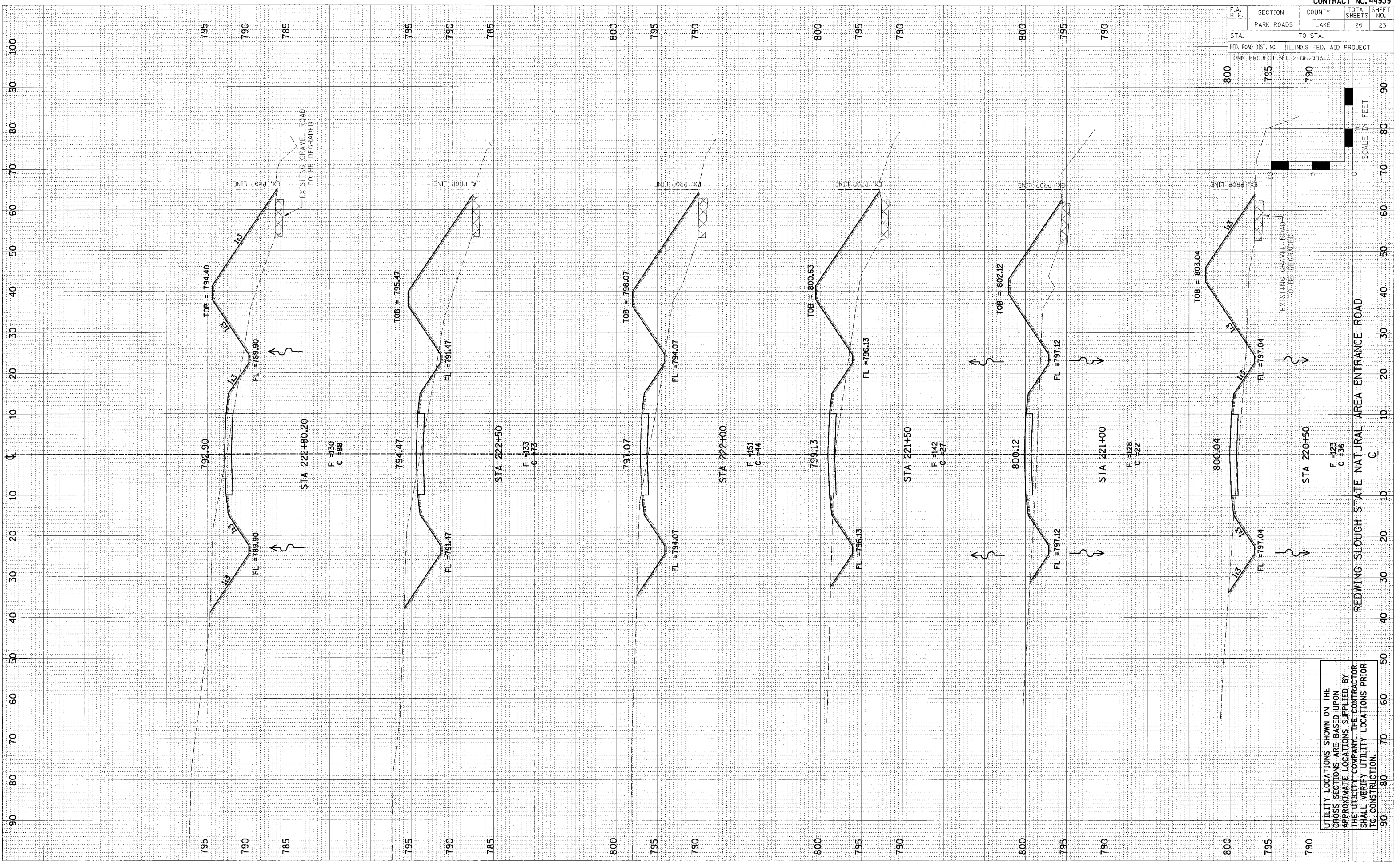
STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 IDNR PROJECT NO. 2-06-003

DATE	BY	DATE

NO.	AS CHECKED

NO.	AS CHECKED

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 FILE NAME = 44939A
 PLOT SCALE = 1"=40'
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UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
	PARK ROADS	LAKE	26 24

STA.	TO STA.
795	785

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

IDNR PROJECT NO.
2-06-003

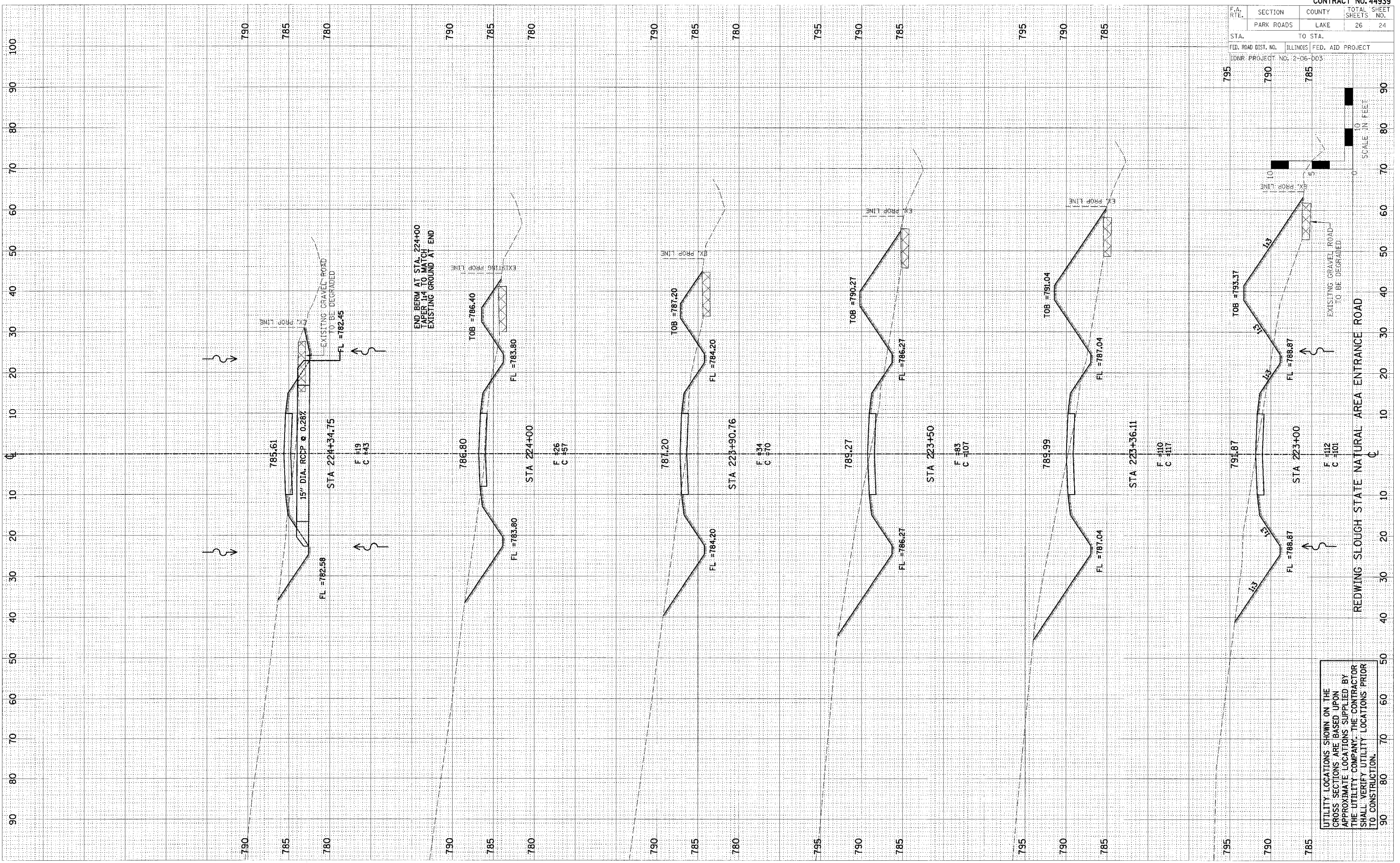
DATE	BY

NO.	DATE	BY

DATE	BY

NO.	DATE	BY

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UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

