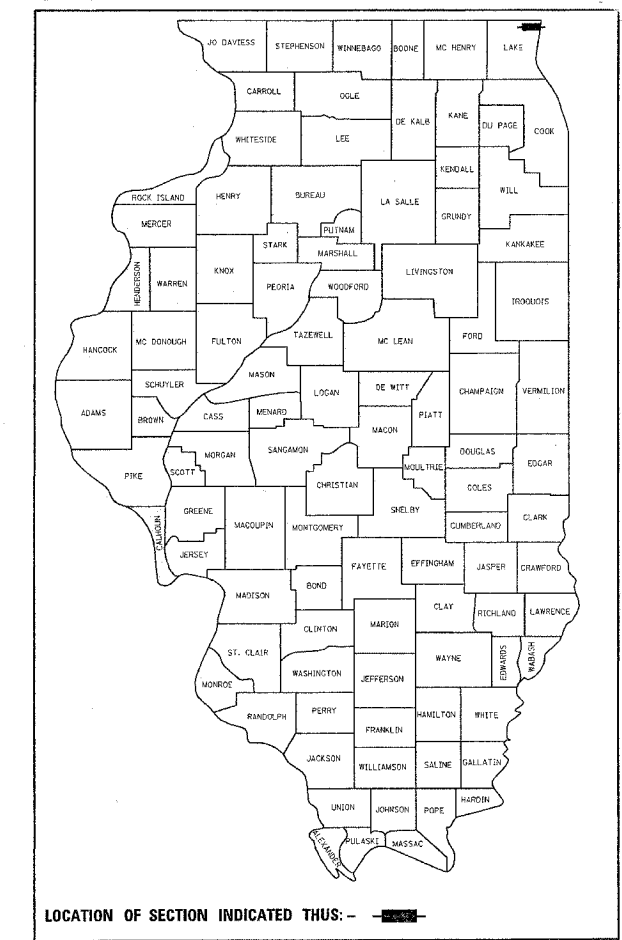


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAIR ROADS	2004-025 RS	LAKE	120	1

IDNR FILE NO.: 2-03-025A

D91-191-04



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
HIGHWAY**
PARK ROADS
(ILLINOIS BEACH STATE PARK)
NORTH POINT MARINA
SECTION: 2004-025 RS
INTERSECTION IMPROVEMENT
AND RESURFACING
LAKE CO.

C-91-191-04

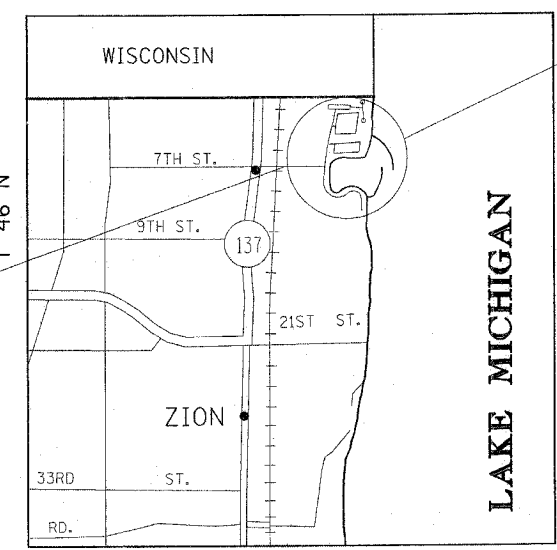
R 12 E

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE CITY OF WINTHROP HARBOR IN LAKE COUNTY



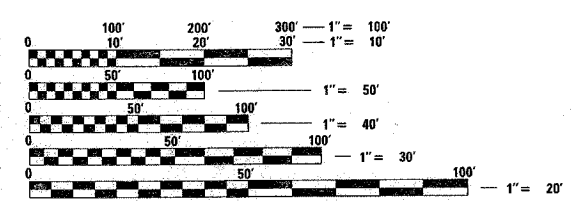
IMPROVEMENT BEGINS
STA. 23+36



IMPROVEMENT LIMITS:
NORTH POINT MARINA

TRAFFIC DATA

POSTED SPEED LIMIT= 5 MPH



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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED November 1, 20 06

Diane C. Keefe/CW
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 8, 20 06
Eric E. Horn/D
ENGINEER OF DESIGN AND ENVIRONMENT

December 8, 20 06
Milton R. Lee, P.E./D
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

GROSS AND NET LENGTH OF IMPROVEMENT = 12,555 LINEAL FEET = 2.34 MILES

DISTRICT ONE - DESIGN PLAN PREPARATION ENGINEER:
KEN ENG / LONG TRAN (847) 705-4240

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	120	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
* PARK ROADS		IDNR File No. 2-03-025A 091-191-04		

SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY I000	JUNCTION CHAMBER Y007	LIGHTING Y030-1E		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	134	134				
20200100	EARTH EXCAVATION	CU YD	8466	8466				
20201006	GRADING AND SHAPING SHOULDERS	UNIT	31	31				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	6780	6780				
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	120	120				
20800150	TRENCH BACKFILL	CU YD	148	90	58			
20900330	GRANULAR BACKFILL	TON	137		137			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	16828	16807	21			
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	352	352				
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	352	352				
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	352	352				
* 25002014	SEEDING, CLASS 4A (MODIFIED)	ACRE	4.5	4	.5			
* 25200200	SUPPLEMENTAL WATERING	UNIT	189	189				
28000400	PERIMETER EROSION BARRIER	FOOT	8420	8420				
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	12	12				
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	868	868				
31102000	SUB-BASE GRANULAR MATERIAL, TYPE C	CU YD	20	20				
35501300	HOT-MIX ASPHALT BASE COURSE, 4"	SQ YD	210	210				
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	868	868				
35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SQ YD	8642	8637	5			
40600200	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	23	23				
40600300	AGGREGATE (PRIME COAT)	TON	113	113				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	17	17				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1888	1888				
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	620	620				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	4763	4761	2			

SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY I000	JUNCTION CHAMBER Y007	LIGHTING Y030-1E		
42101300	PROTECTIVE COAT	SQ YD	770	770				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5080	5080				
44000100	PAVEMENT REMOVAL	SQ YD	9429	9408	21			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	210	210				
44000600	SIDEWALK REMOVAL	SQ FT	5080	5080				
44004250	PAVED SHOULDER REMOVAL	SQ YD	196	196				
44213200	SAW CUTS	FOOT	135	75	60			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	180	180				
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	235	235				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	505	505				
50104400	CONCRETE HEADWALL REMOVAL	EACH	1		1			
50104600	CONCRETE RETAINING WALL REMOVAL	FOOT	30	30				
50200100	STRUCTURE EXCAVATION	CU YD	31		31			
50300225	CONCRETE STRUCTURES	CU YD	28		28			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2620		2620			
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2				
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1				
54247180	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	1	1				
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	63	63				
542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	143	143				
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	130	130				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	444	444				
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	16		16			
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	468	452	16			
55101600	STORM SEWER REMOVAL 36"	FOOT	4		4			
55101800	STORM SEWER REMOVAL 42"	FOOT	3		3			
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1				
* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	1				

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
NORTH POINT MARINA

Rev.

PLOT DATE: 10/31/2006

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2005-025 RS	LAKE	120	4
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
* PARK ROADS		IDNR File No. 2-03-025A D91-191-04		

SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY	JUNCTION CHAMBER	LIGHTING		
				I000	Y007	Y030-1E		
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3				
60200205	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60201340	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE	EACH	5	5				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2				
60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	3	3				
60500050	REMOVING CATCH BASINS	EACH	1	1				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	462	462				
61000215	PORTLAND CEMENT CONCRETE SHOULDERS	SQ YD	73	73				
63200310	GUARDRAIL REMOVAL	FOOT	26		26			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9				
67100100	MOBILIZATION	L SUM	1	1				
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1				
78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	563	563				
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	13598	13558	40			
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	1665	1665				
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	690	690				
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	299	299				
* 81000300	CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	3000			3000		
* 81400115	HANDHOLE TO BE ADJUSTED	EACH	1	1				
* 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3000			3000		
* 81700105	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 12	FOOT	3500			3500		
* 81700115	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 8	FOOT	3500			3500		
* 81800740	AERIAL CABLE, 3-1/C NO. 8, ALUMINUM, WITH MESSENGER WIRE	FOOT	150			150		
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	130			130		

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY	JUNCTION CHAMBER	LIGHTING		
				I000	Y007	Y030-1E		
* 84200705	LIGHTING FOUNDATION REMOVAL, PARTIAL	EACH	13			13		
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	13			13		
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	75	75				
* A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	9	9				
* A2016614	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	5	5				
X0300247	REMOVE WOOD POST	EACH	30	30				
X0300894	PIPE CULVERT REMOVAL 18"	FOOT	130	130				
X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	40	40				
X0321083	PLASTIC CAR BUMPER	EACH	225	225				
X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	3	3				
* X0321566	MULCH, SPECIAL	SQ YD	18929	18929				
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	25.7	25.7				
X0322720	CAST IRON STEPS	EACH	4		4			
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	3	2	1			
X0323359	WASHING AND CLEANING	L SUM	1	1				
X0323388	TRAFFIC COUNTER	EACH	3	3				
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	500		500			
X0324010	SKIRTED STEEL GRATING COVER	EACH	1		1			
X0325225	BRICK PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	50	50				
X0325232	SWING GATE DOUBLE, 22'	EACH	6	6				
X0325444	TEMPORARY CONCRETE BARRIER (INSTALL ONLY)	FOOT	48	48				
X0448400	PIPE CULVERT REMOVAL 12"	FOOT	210	210				
X0795800	COARSE AGGREGATE	TON	24		24			
X2010300	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	101	101				
* X2110104	TOPSOIL FURNISH AND PLACE, 4" (SPECIAL)	SQ YD	19014	18929	85			
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3				
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1700	1700				

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
NORTH POINT MARINA

Rev.

10/31/2006 10:58:58 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2005-025 RS	LAKE	116	4g
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
* PARK ROADS		IDNR File No. 2-03-025A D91-191-04		

SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY I000	JUNCTION CHAMBER Y007	LIGHTING Y030-1E		
X7011005	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	L SUM	1	1				
X7240500	RELOCATE EXISTING SIGNS	EACH	20	20				
XX000714	FENCE TO BE REMOVED AND RE-ERECTED	FOOT	66		66			
XX002093	REMOVAL OF EXISTING RIPRAP	SQ YD	232		232			
XX003817	GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	2	2				
* XX003968	STEEL-BACKED TIMBER GUARDRAIL, TYPE A	FOOT	115	115				
XX004092	JOINT FILLING	FOOT	52		52			
* XX006338	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	18929	18929				
XX197300	SLOTTED DRAIN	FOOT	36	36				
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	15960	15939	21			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0041500	PLUG EXISTING CULVERTS	EACH	2	2				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY I000	JUNCTION CHAMBER Y007	LIGHTING Y030-1E		

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
NORTH POINT MARINA

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	5
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		IDNR File No. 2-03-025A	D91-191-04	

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

STATION	OFFSET (FT.)	SIDE	UNIT	TYPE
<u>NORTH POINT DR.</u>				
28+73.95	178.95	RT	12	RED PINE
29+10.45	31.01	LT	15	TREMBLING ASPEN
30+79.60	33.34	LT	6x2	TREMBLING ASPEN
35+65.99	30.55	LT	7	TREMBLING ASPEN
36+78.14	32.3	LT	8x3	TREMBLING ASPEN
37+39.16	29.55	LT	7	TREMBLING ASPEN
45+25.19	31.42	LT	12	TREMBLING ASPEN
45+65.41	27.37	LT	15	COTTONWOOD
<u>CHARTER BASIN/ YACHT CLUB</u>				
21+86.70	26.93	RT	6	SEE NOTE BELOW
21+97.30	33.69	RT	6	SEE NOTE BELOW
21+99.47	44.73	RT	12	SEE NOTE BELOW
<u>BOAT LAUNCH RD.</u>				
1+00.58	21.09	RT	6	BUCKTHORN
TOTAL			=	134 UNITS

X2010300 TREE REMOVAL (UNDER 6 UNITS DIAMETER)

STATION	OFFSET (FT.)	SIDE	UNIT	TYPE
<u>7TH ST.</u>				
38+10	0.1	LT	2	SHADBLOW SERVICEBERRY
<u>CHARTER BASIN/ YACHT CLUB</u>				
0+14.52	19.71	LT	2x3	QUAKING ASPEN
21+65.80	28.89	RT	3	MULBERRY
21+80.81	29.18	RT	5	SEE NOTE BELOW
21+83.52	33.06	RT	2	UNKNOWN
21+85.91	38.83	RT	4	SEE NOTE BELOW
21+86.24	32.09	RT	4	SEE NOTE BELOW
21+90.18	35.30	RT	4	SEE NOTE BELOW
21+93.27	44.67	RT	2	UNKNOWN
21+93.97	28.11	RT	5	SEE NOTE BELOW
21+94.99	39.36	RT	5	SEE NOTE BELOW
<u>NORTH POINT DR.</u>				
3+58	41	LT	4	TREMBLING ASPEN
7+46	137	RT	2	FLOWERING CRABAPPLE
16+13.52	197.44	RT	2	SHADBLOW SERVICEBERRY
18+20	61	RT	1.5	HACKBERRY
18+27.54	252.47	RT	2	FLOWERING CRABAPPLE
26+10.46	70.81	LT	2	RED CHOKEBERRY
26+19.10	78.17	LT	2	JUNEBERRY
26+22.69	82.13	LT	2	JUNEBERRY
31+31.12	33.05	LT	4x3	TREMBLING ASPEN
34+21.50	63.45	LT	2x2	HACKBERRY
34+47.32	74.16	LT	2x6	BOXELDER
26+21	120	LT	2	BLACK ALDER
34+90	35	LT	5	HACKBERRY
38+25	30	RT	1x3	MULBERRY
42+72.29	33.02	LT	2	ASH
42+73.42	30.12	LT	1	ASH
TOTAL			=	100.5 UNITS

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU. YDS.)	UNSUITABLE MATERIAL (CU. YDS.)	EARTH EXCAVATION MINUS UNSUITABLE & ADJUSTED (SHRINKAGE 5%) (CU. YDS.)	EMBANKMENT (CU. YDS.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YDS.)
NEW PARKING LOT	2420.0	854.2	1487.5	1107.0	+380.5
BOAT LAUNCH ROAD RECONSTRUCTION	2390.0	24.7	2247.0	107.0	+2140.0
YACHT CLUB/CHARTER BASIN ROAD RECONSTRUCTION	2327.0	13.7	2197.6	163.0	+2034.6
JUNCTION CHAMBER	0.0	5.0	0.0	0.0	+5.0
RECONSTRUCTION OF BOAT DOCKING PADS	293.0	0.0	278.4	7.0	+271.4
WIDENING AND RESURFACING (W/ AGG. SHOULDER REM.)	948.0	246.2	666.7	4.0	+662.7
TOTAL	8378.0	1143.8	6877.2	1388.0	+5489.2

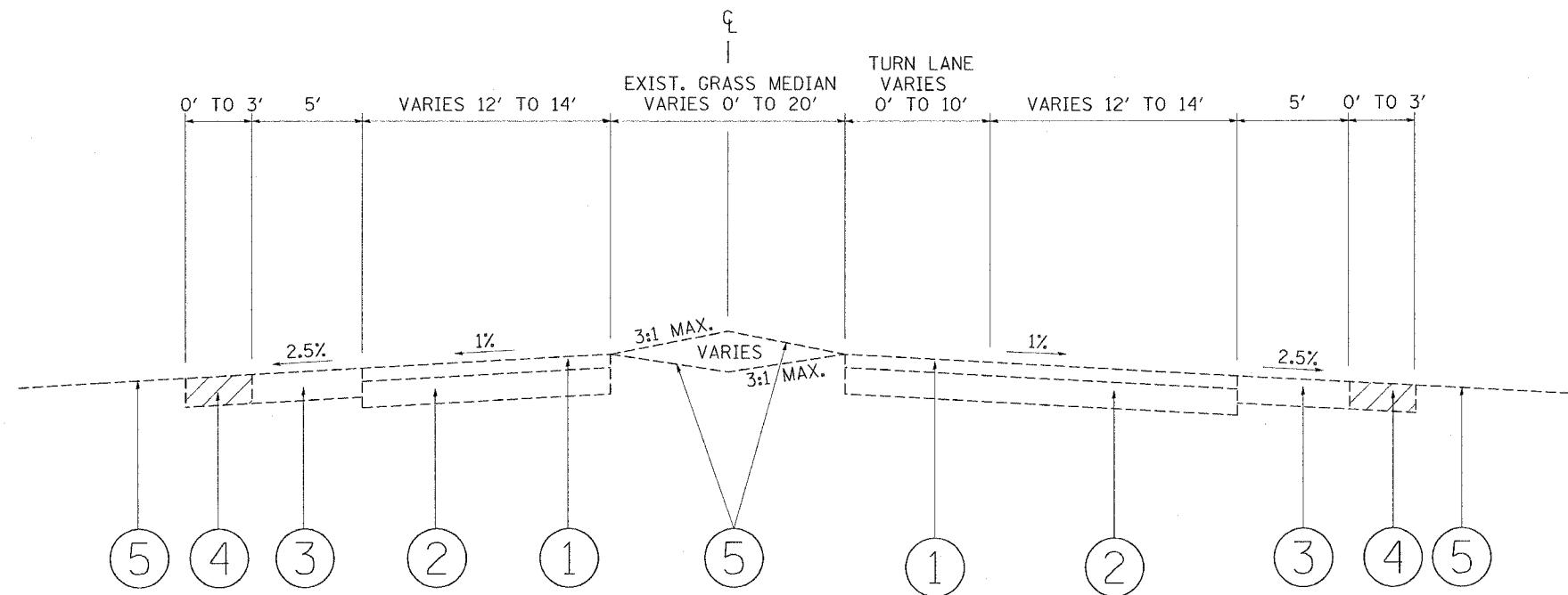
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PARK ROADS
 ILLINOIS BEACH STATE PARK
 NORTH POINT MARINA
 SCHEDULE OF QUANTITIES

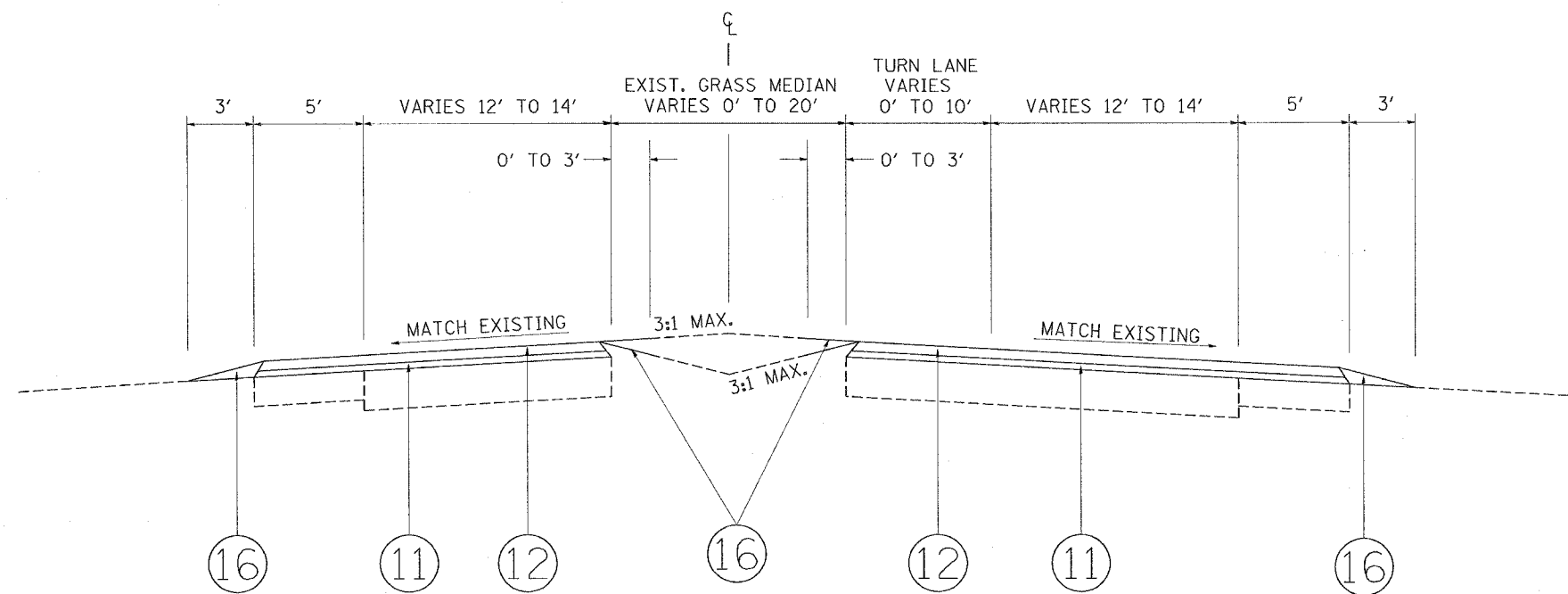
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 DATE _____ CHECKED BY _____

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	6
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS	IDNR File No. 2-03-025A		D91-191-04	



EXISTING TYPICAL SECTION
7TH STREET
STA. 23+36 TO STA. 46+00



PROPOSED TYPICAL SECTION
7TH STREET
STA. 23+36 TO STA. 46+00

LEGEND

- ① EXISTING HMA PAVEMENT, 3"
- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED HMA BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED HMA BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED HMA SHOULDER, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

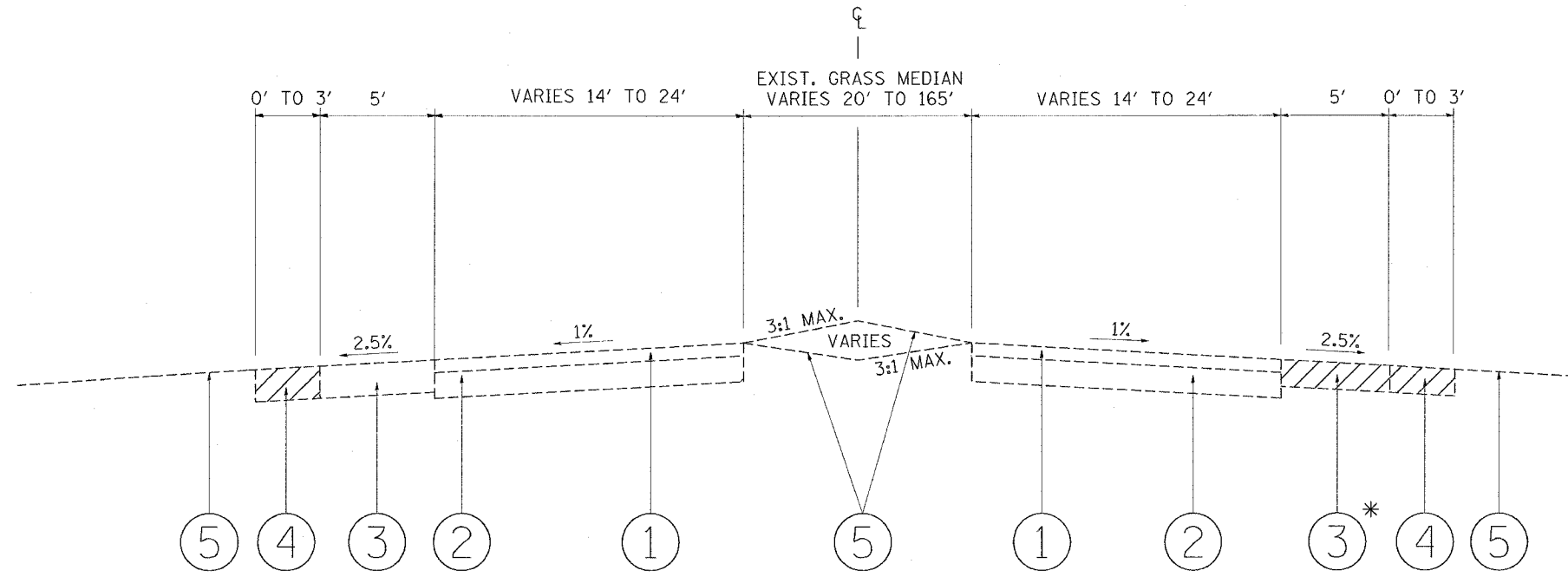
HMA - HOT MIX ASPHALT

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS

SCALE: VERT. DATE DRAWN BY: CDT
 HORIZ. CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	7
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS IDNR File No. 2-03-025A D91-191-04				



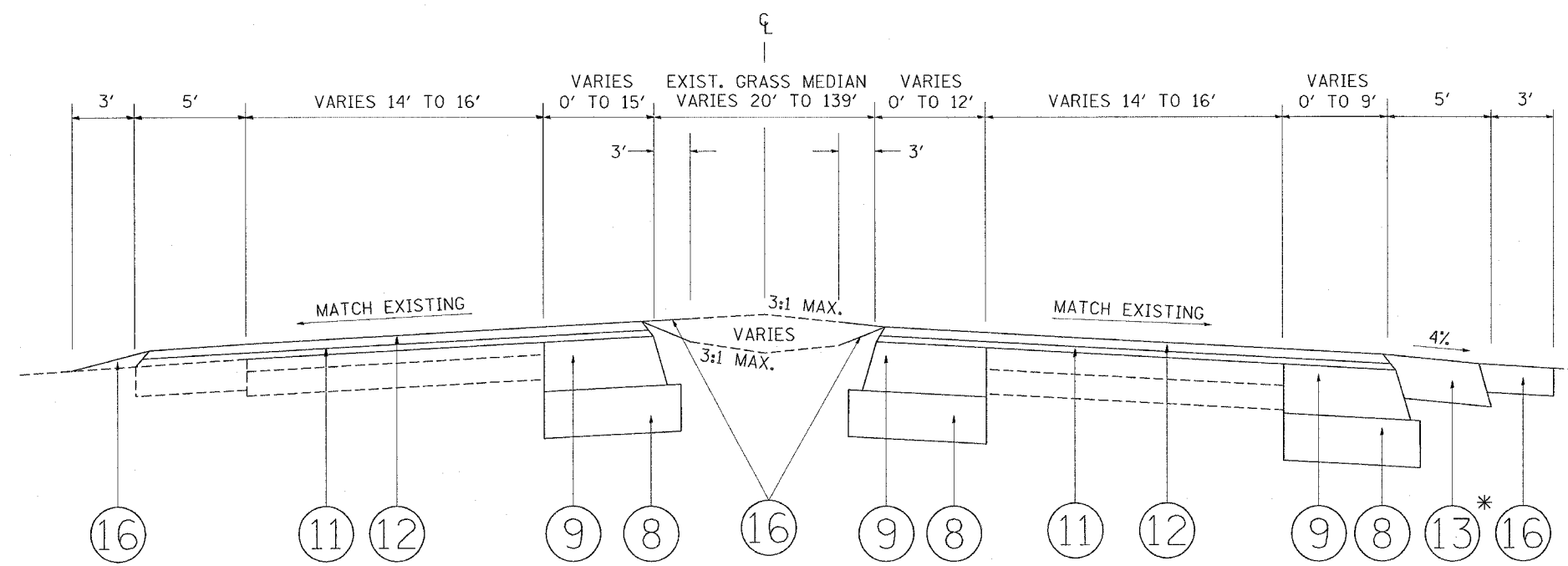
EXISTING TYPICAL SECTION
7TH STREET STA. 46+00 TO STA. 50+25

* WHERE NEEDED IN ORDER TO WIDEN PAVEMENT

LEGEND

- ① EXISTING HMA PAVEMENT, 3"
- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED HMA BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED HMA BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED HMA SHOULDER, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

HMA - HOT MIX ASPHALT



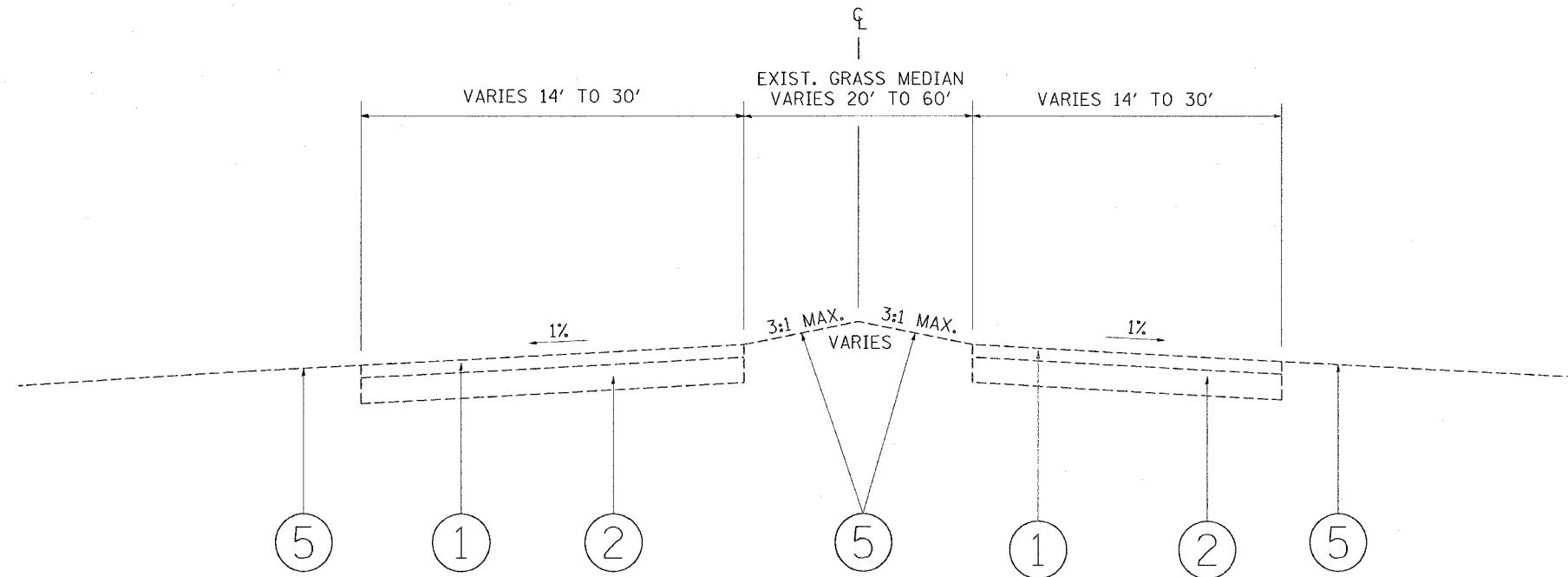
PROPOSED TYPICAL SECTION
7TH STREET STA. 46+00 TO STA. 50+25

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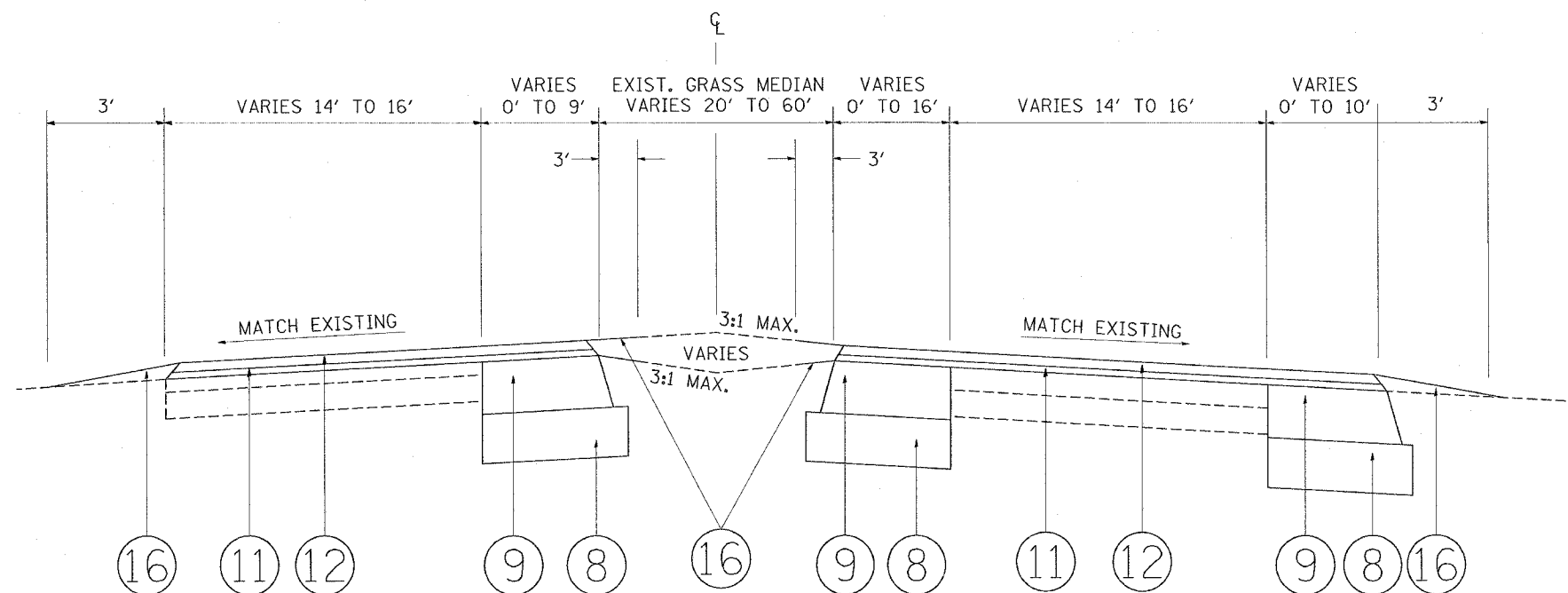
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NAME	DATE	
		PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS
SCALE:	VERT. DATE	HORIZ. DATE
DRAWN BY: CDT		CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	8
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS IDNR File No. 2-03-025A D91-191-04



EXISTING TYPICAL SECTION
NORTH POINT DRIVE
STA. 0+00 TO STA. 2+05



PROPOSED TYPICAL SECTION
NORTH POINT DRIVE
STA. 0+00 TO STA. 2+05

LEGEND

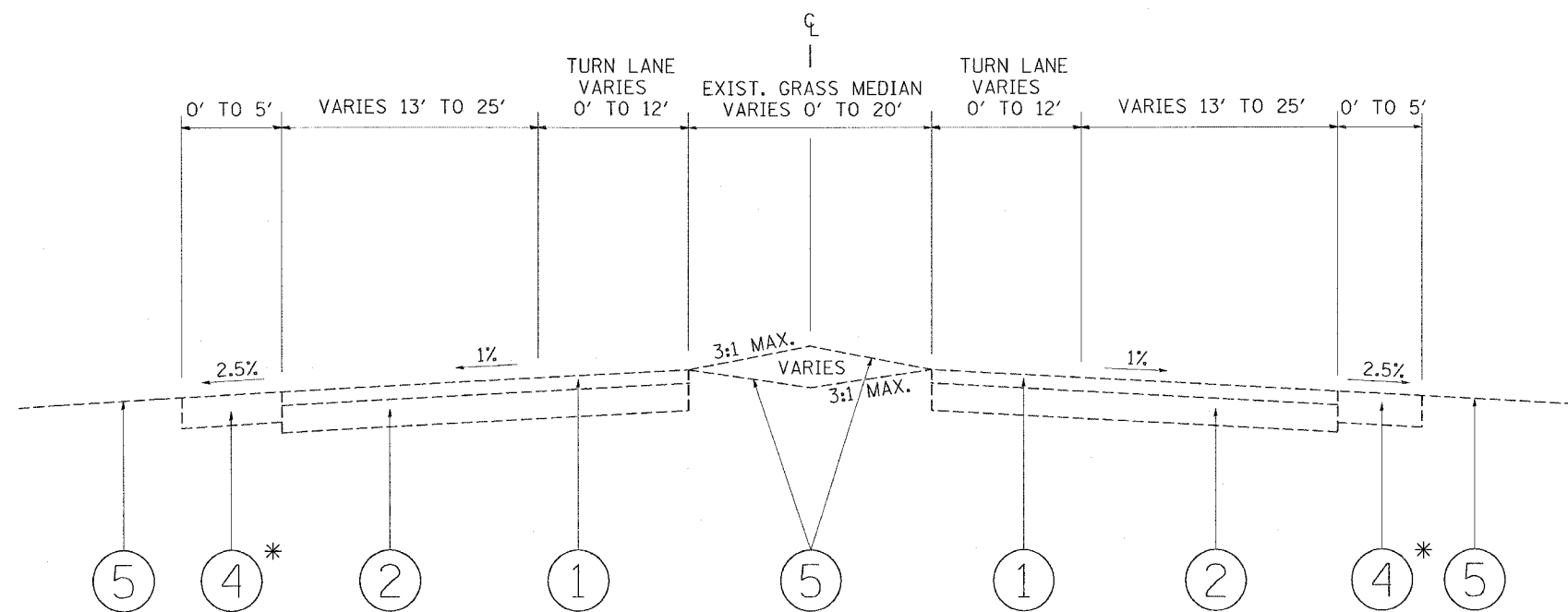
- ① EXISTING HMA PAVEMENT, 3"
- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED HMA BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED HMA BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED HMA SHOULDER, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

HMA - HOT MIX ASPHALT

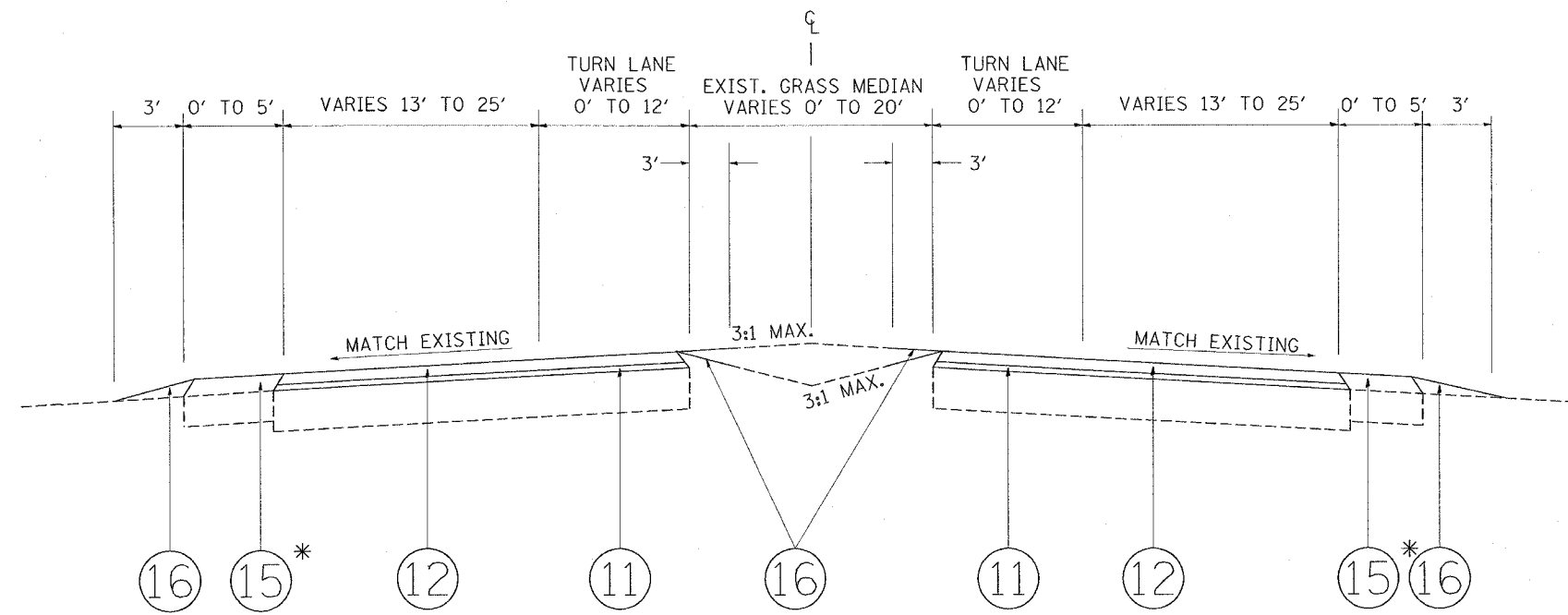
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REFERENCE = SHEETS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS SCALE: VERT. HORIZ. DATE
		DRAWN BY: CDT
		CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	9
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* PARK ROADS	IDNR File No. 2-03-025A		D91-191-04	



EXISTING TYPICAL SECTION
NORTH POINT DRIVE
STA. 2+05 TO STA. 25+32.6
* STA. 29+50 TO STA. 42+50



PROPOSED TYPICAL SECTION
NORTH POINT DRIVE
STA. 2+05 TO STA. 25+32.6
* STA. 29+50 TO STA. 42+50

LEGEND

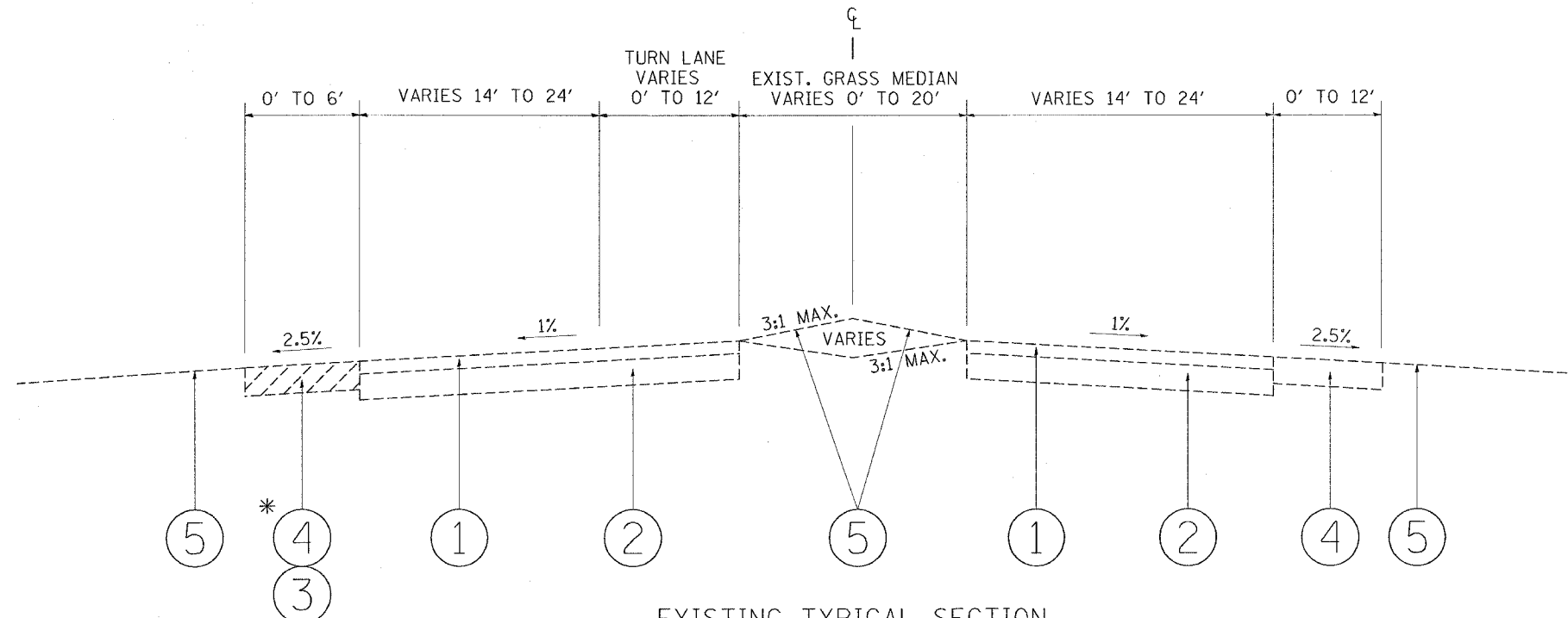
- ① EXISTING HMA PAVEMENT, 3"
- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED HMA BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED HMA BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED HMA SHOULDER, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

HMA - HOT MIX ASPHALT

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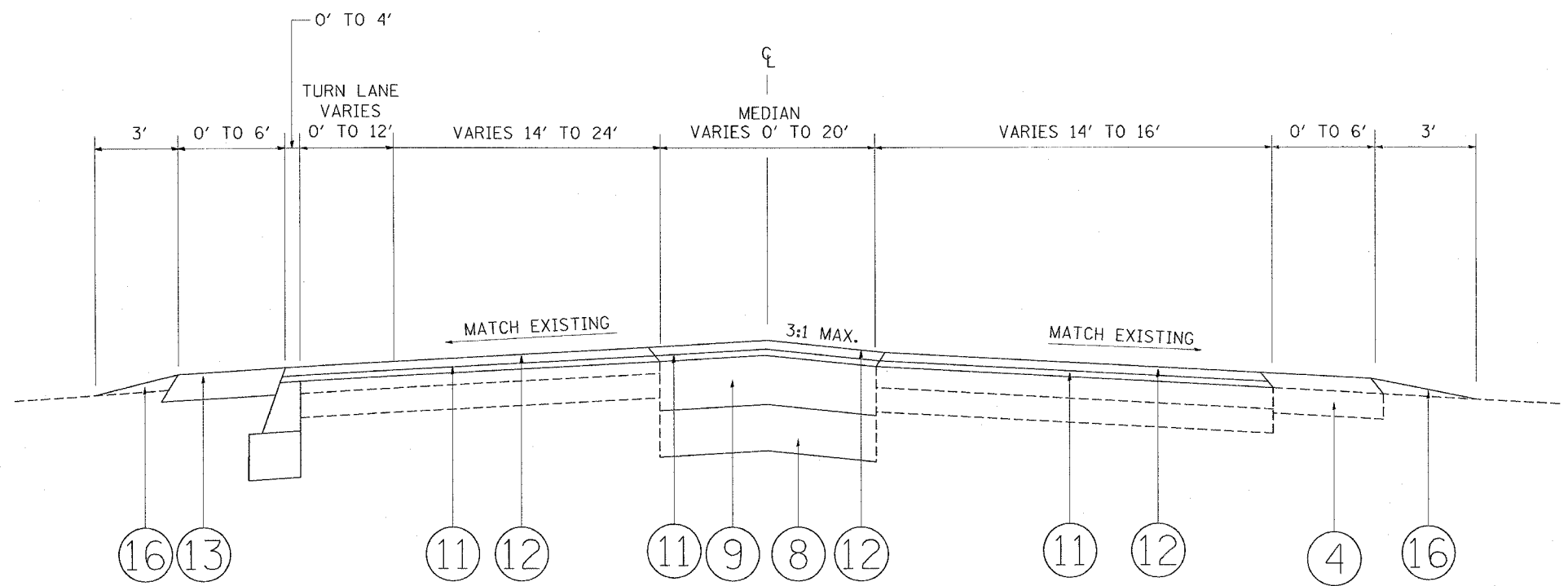
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS SCALE: VERT. _____ HORIZ. _____ DATE _____
		DRAWN BY: CDT
		CHECKED BY: _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* PARK ROADS IDNR File No. 2-03-025A D91-191-04				



EXISTING TYPICAL SECTION
NORTH POINT DRIVE
STA. 25+32.6 TO STA. 29+50

* STA. 28+36.5 TO STA. 29+00



PROPOSED TYPICAL SECTION
NORTH POINT DRIVE
STA. 25+32.6 TO STA. 29+50

LEGEND

- ① EXISTING HMA PAVEMENT, 3"
- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED HMA BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED HMA BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED HMA SHOULDER, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

HMA - HOT MIX ASPHALT

PLOT DATE = 11/2/2005
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REVISIONS	
NAME	DATE

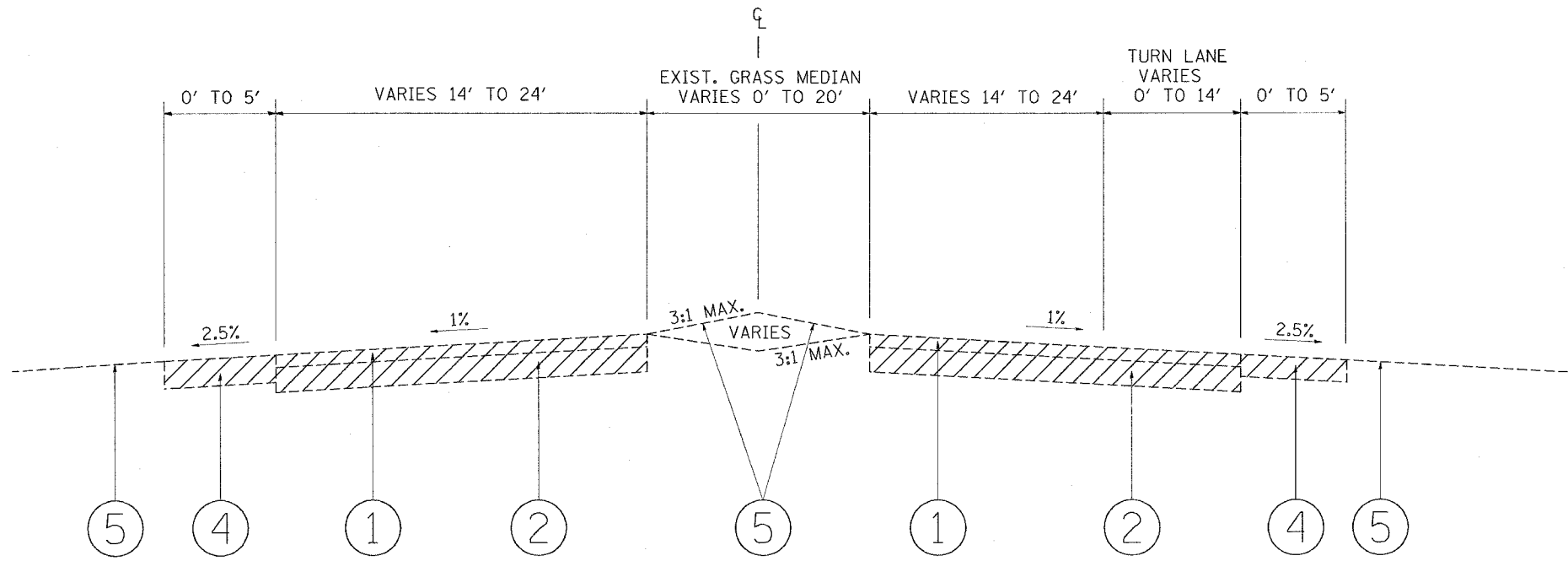
ILLINOIS DEPARTMENT OF TRANSPORTATION

PARK ROADS
ILLINOIS BEACH STATE PARK
NORTH POINT MARINA
TYPICAL SECTIONS

SCALE: VERT. _____
HORIZ. _____
DATE _____

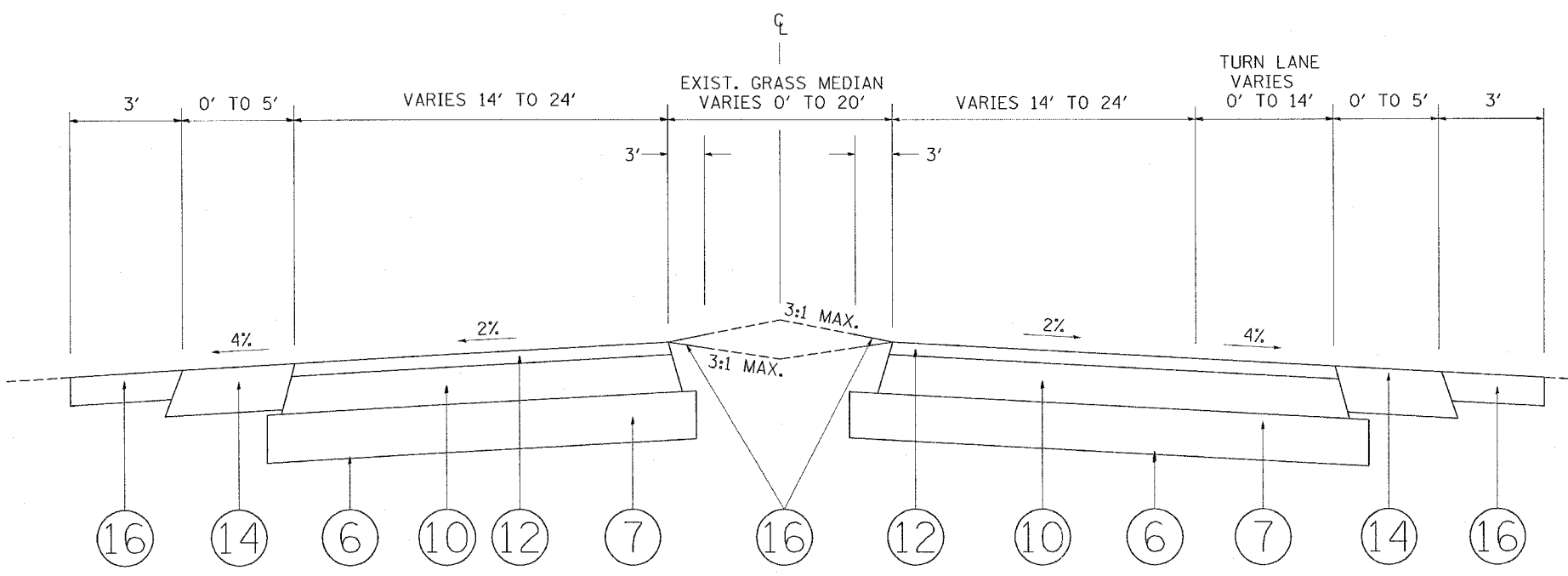
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	11
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS IDNR File No. 2-03-025A D91-191-04				



- LEGEND**
- ① EXISTING BITUMINOUS PAVEMENT, 3"
 - ② EXISTING AGGREGATE BASE COURSE, 6"
 - ③ EXISTING BITUMINOUS SHOULDER
 - ④ EXISTING AGGREGATE SHOULDER
 - ⑤ EXISTING GROUND COVER
 - ⑥ PROPOSED GEOTECHNICAL FABRIC
 - ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
 - ⑨ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 6"
 - ⑩ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 7 1/2"
 - ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE, IL-4.75, N50, 3/4"
 - ⑫ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 1 1/2"
 - ⑬ PROPOSED BITUMINOUS SHOULDER, SUPERPAVE, 8"
 - ⑭ PROPOSED AGGREGATE SHOULDER, 8"
 - ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
 - ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
 - ⑰ PROPOSED CONCRETE SHOULDER
 - ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑲ SLOTTED DRAIN

HMA - HOT MIX ASPHALT



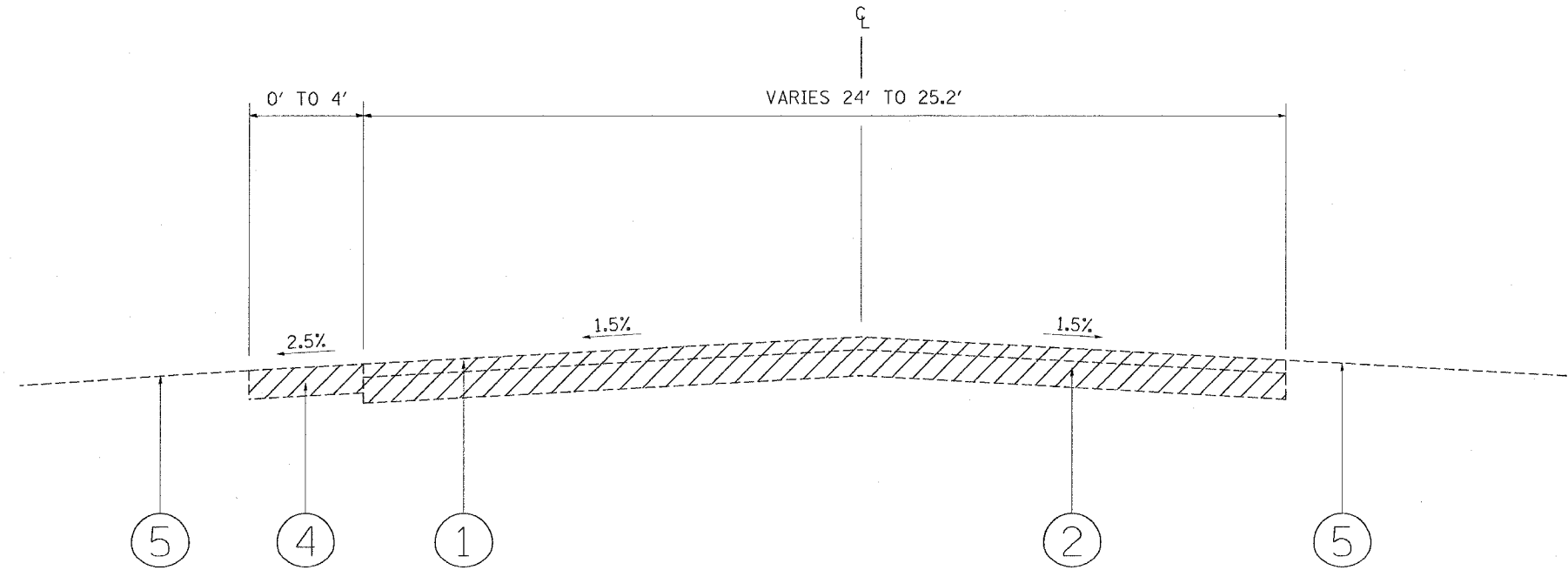
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS

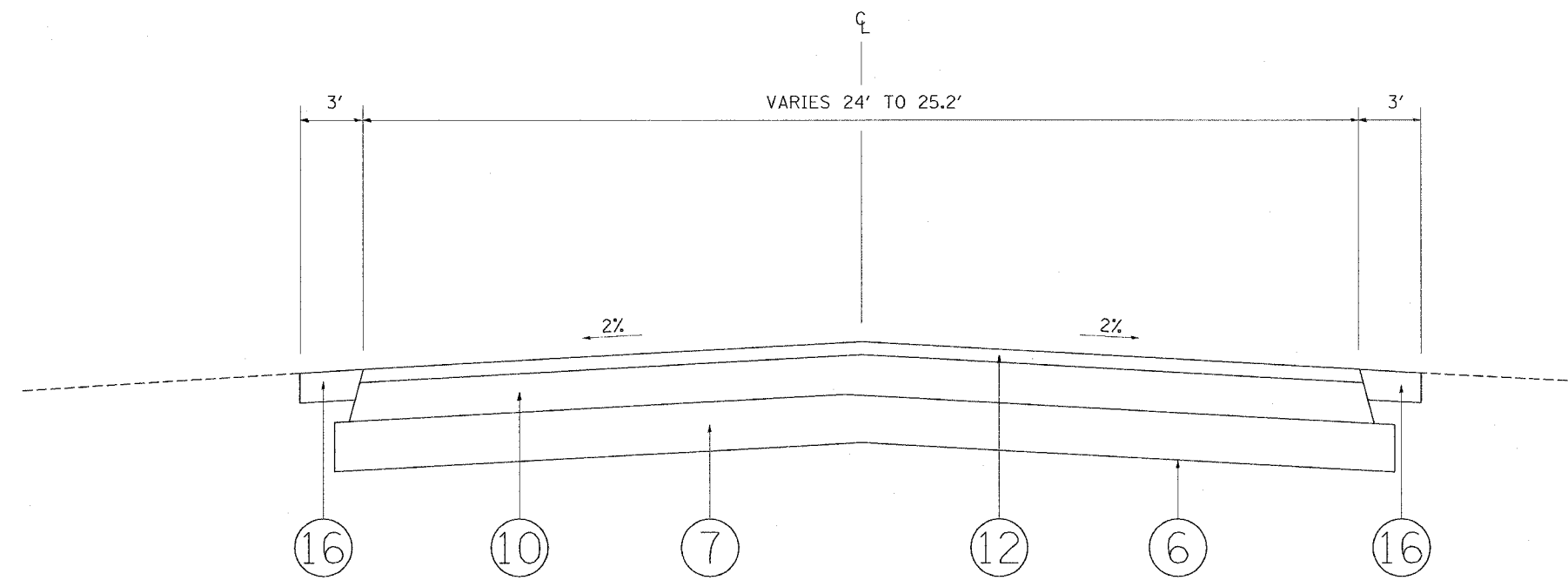
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 DATE _____

DRAWN BY: CDT
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	12
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		IDNR File No. 2-03-025	D91-191-04	



EXISTING TYPICAL SECTION
 HIGH POINT ROAD STA. 7+18.4 TO STA. 9+55.6
 BOAT LAUNCH ROAD STA. 3+02.6 TO STA. 5+33.7



PROPOSED TYPICAL SECTION
 NORTH POINT DRIVE
 STA. 53+00 TO STA. 58+00

LEGEND

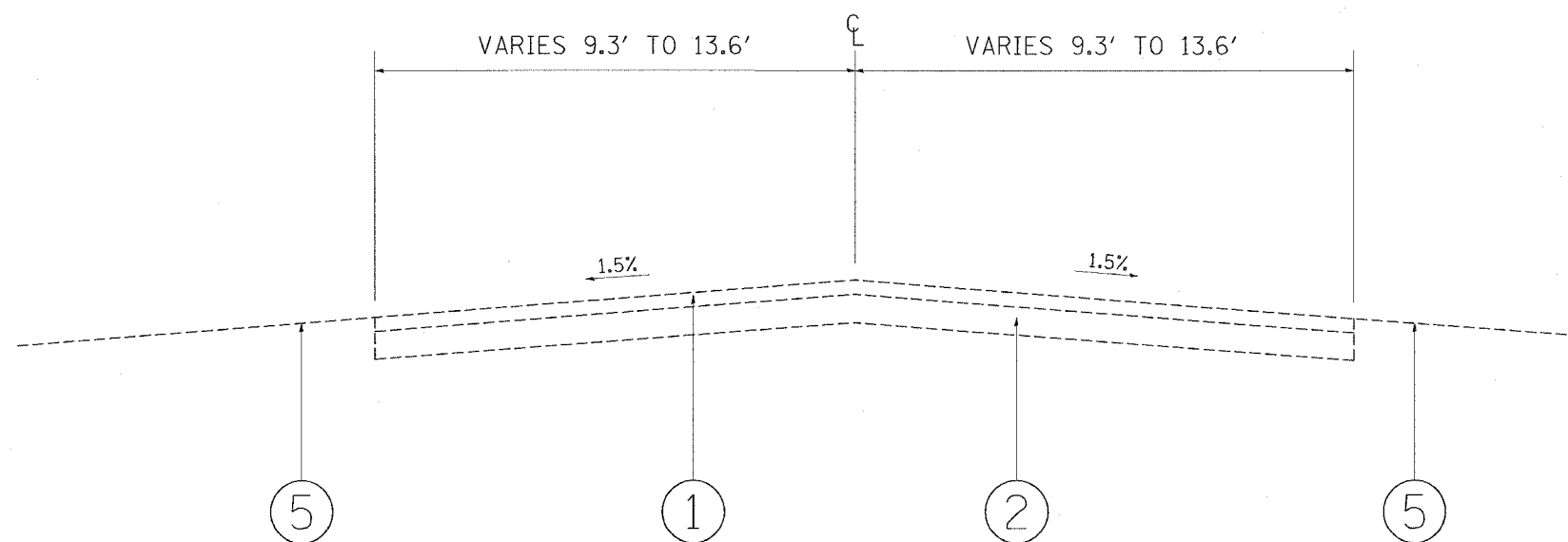
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- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING BITUMINOUS SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE, IL-4.75, N50, 3/4"
- ⑫ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED BITUMINOUS SHOULDER, SUPERPAVE, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

HMA - HOT MIX ASPHALT

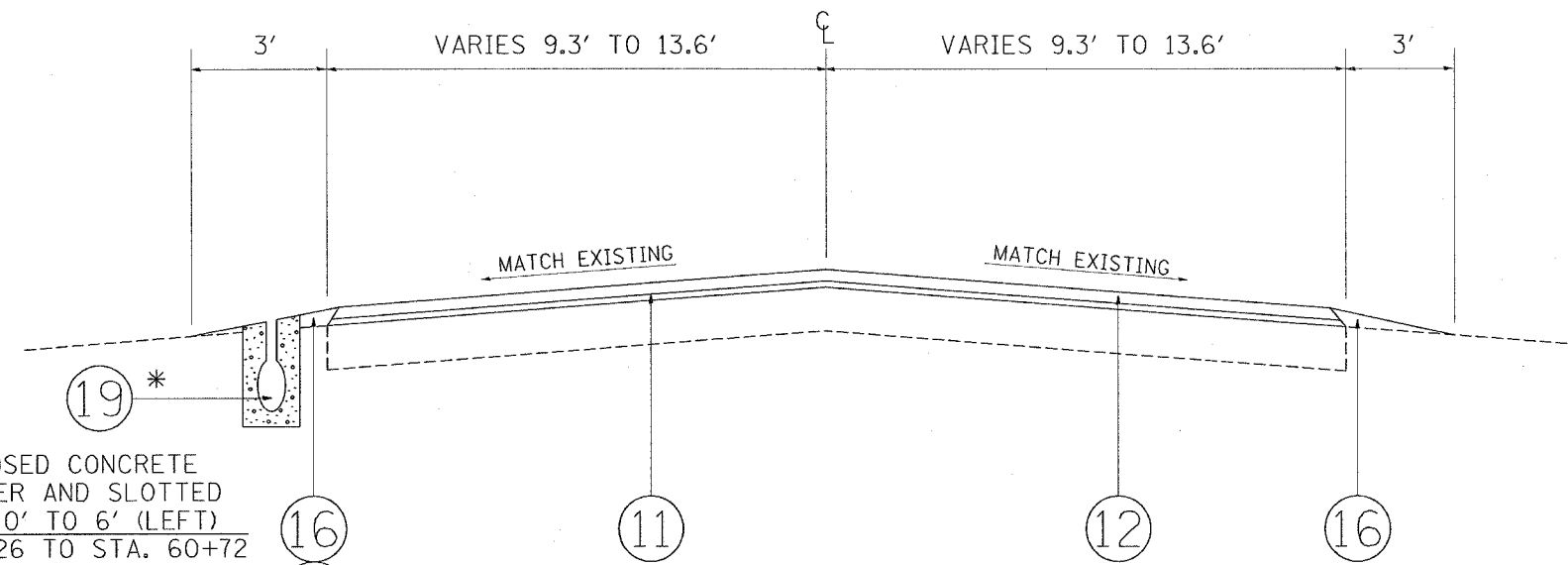
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS
NAME	DATE	
		SCALE: VERT. HORIZ. DATE
DRAWN BY: CDT		CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	13
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* PARK ROADS	IDNR File No. 2-03-025A		D91-191-04	



EXISTING TYPICAL SECTION
 HIGH POINT ROAD STA. 2+30 TO STA. 7+18.4
 BOAT LAUNCH ROAD STA. 5+33.7 TO STA. 8+14.4
 BOAT LOT ROAD STA. 11+82 TO STA. 19+60



* PROPOSED CONCRETE SHOULDER AND SLOTTED DRAIN, 0' TO 6' (LEFT) STA. 59+26 TO STA. 60+72
 * NORTH POINT DRIVE STA. 48+11.6 TO STA. 53+00 AND STA. 58+00 TO STA. 60+80.7
 BOAT LOT ROAD STA. 11+82 TO STA. 19+60

LEGEND

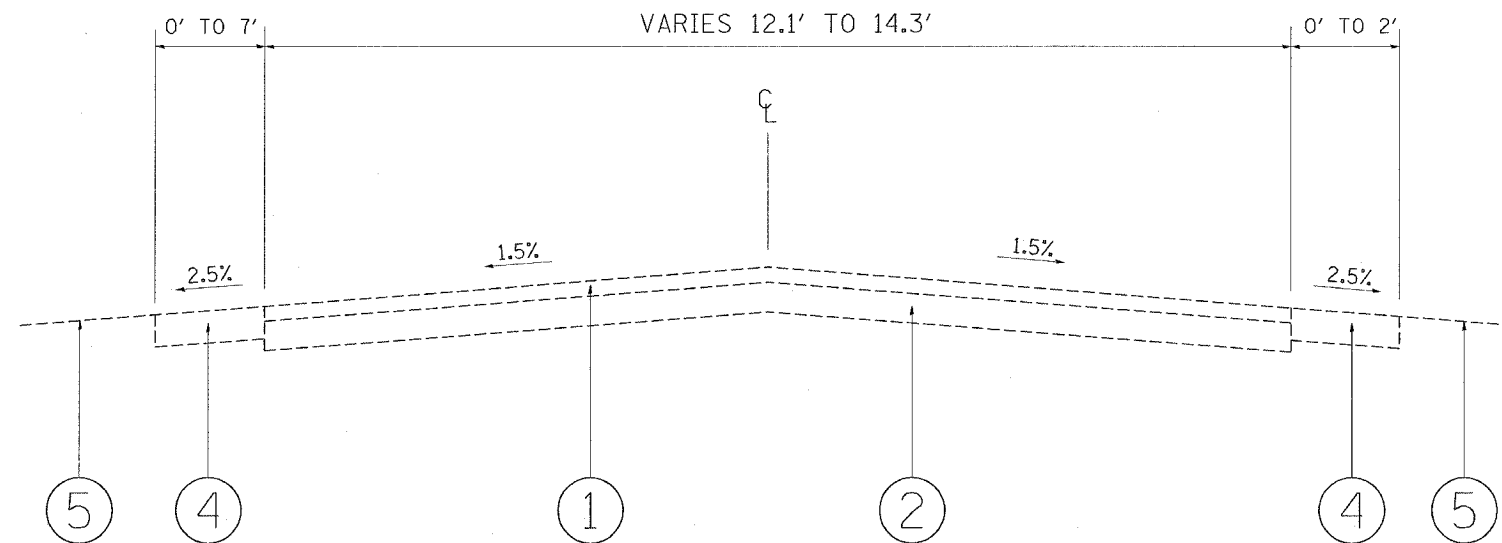
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- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING BITUMINOUS SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE, IL-4.75, N50, 3/4"
- ⑫ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED BITUMINOUS SHOULDER, SUPERPAVE, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

HMA - HOT MIX ASPHALT

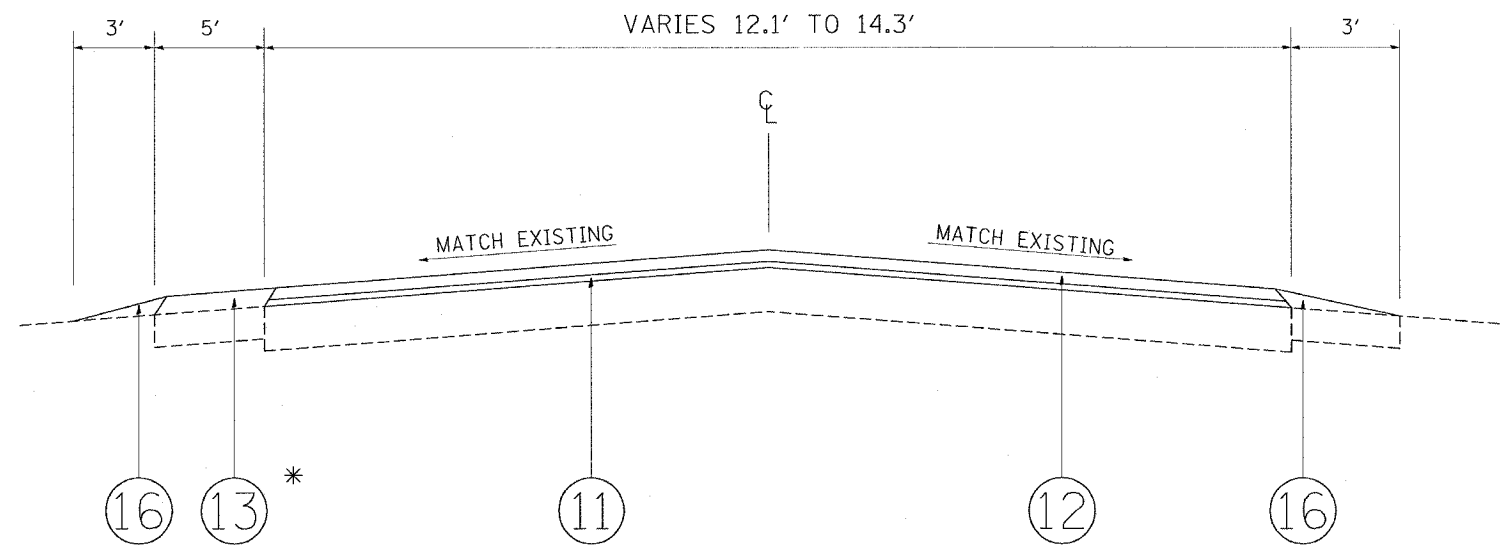
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS SCALE: VERT. _____ HORIZ. _____ DATE _____
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F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	14
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS	IDNR File No. 2-03-025A			D91-191-04



EXISTING TYPICAL SECTION
 CHARTER BASIN DRIVE/YACHT CLUB DRIVE
 STA. 1+10 TO STA. 7+85.3
 STA. 8+97.8 TO STA. 10+01.7
 STA. 10+96.1 TO STA. 17+91.1
 STA. 18+87 TO STA. 19+35



PROPOSED TYPICAL SECTION
 CHARTER BASIN DRIVE/YACHT CLUB DRIVE
 * STA. 1+10 TO STA. 7+85.3
 STA. 8+97.8 TO STA. 10+01.7
 STA. 10+96.1 TO STA. 17+91.1
 STA. 18+87 TO STA. 19+35

LEGEND

- ① EXISTING BITUMINOUS PAVEMENT, 3"
- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING BITUMINOUS SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE, IL-4.75, N50, 3/4"
- ⑫ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED BITUMINOUS SHOULDER, SUPERPAVE, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

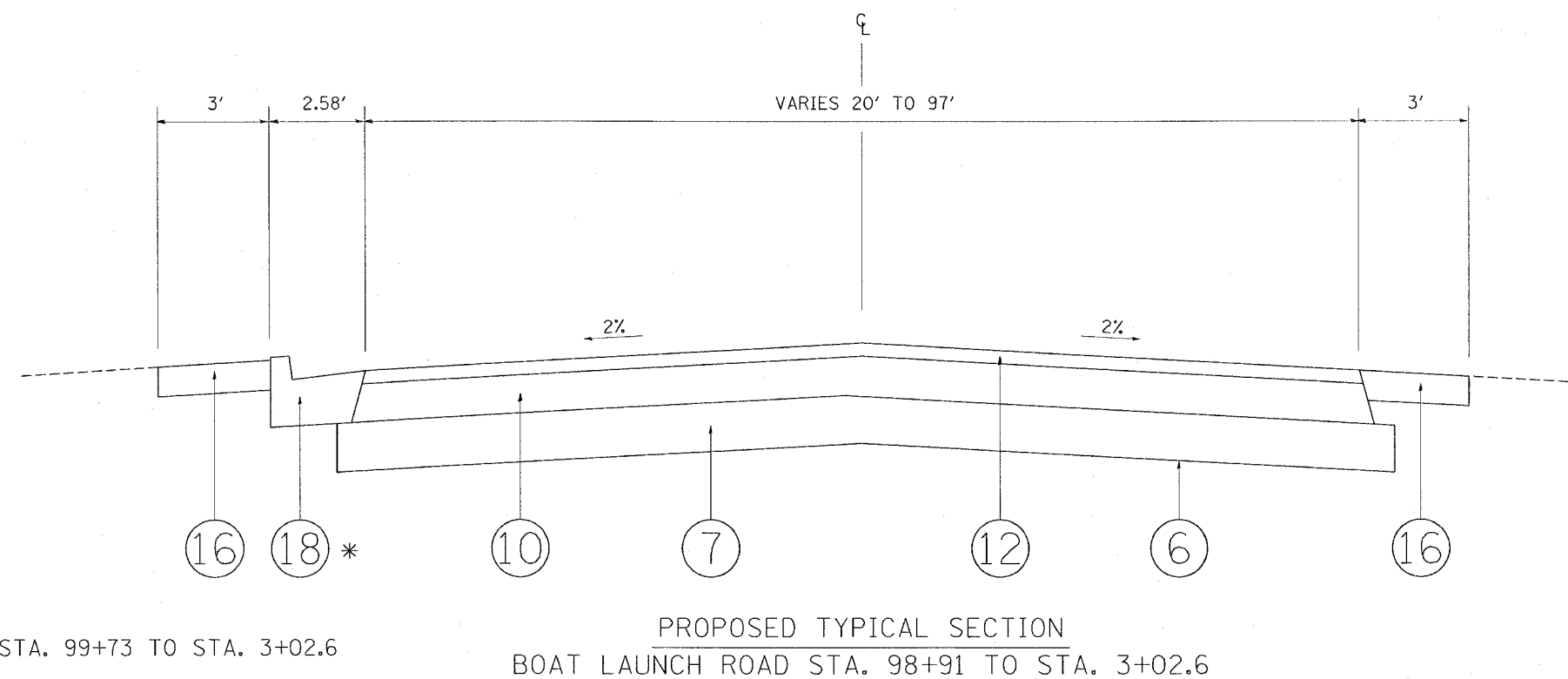
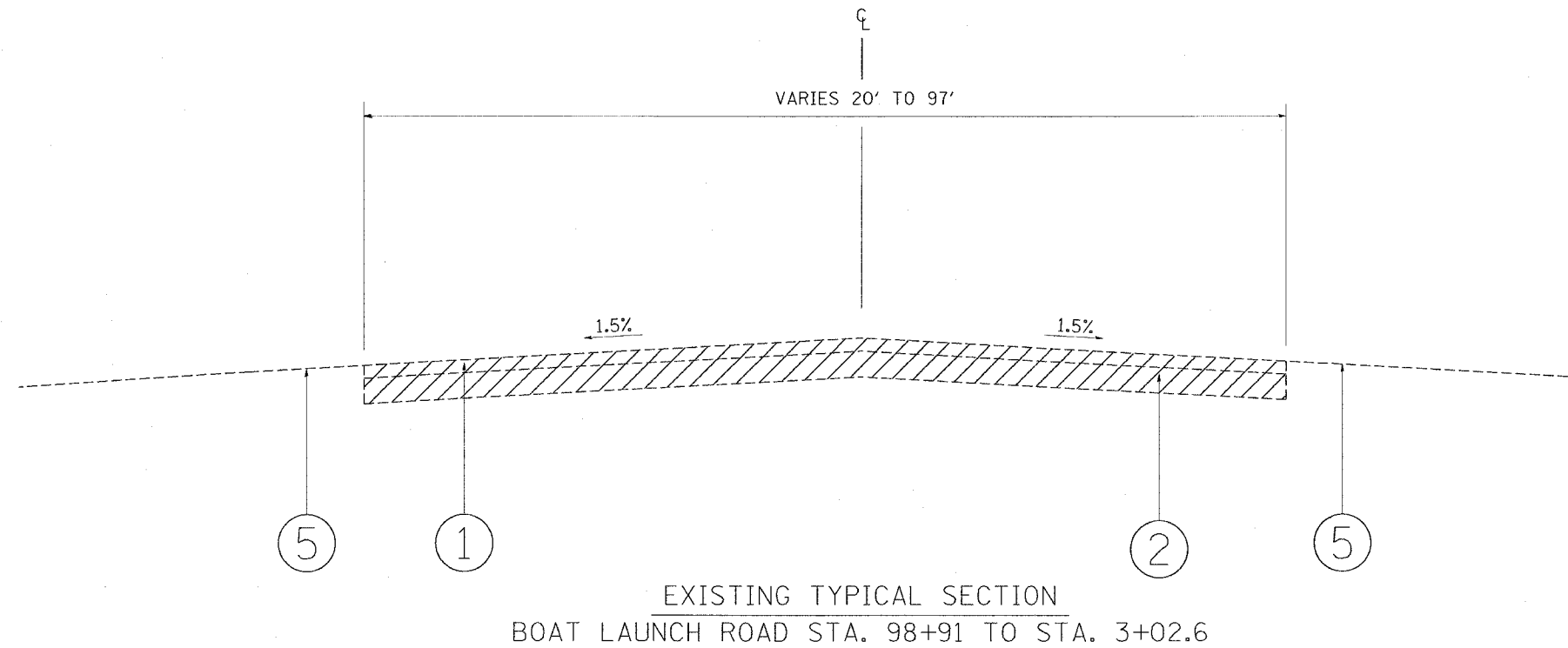
HMA - HOT MIX ASPHALT

* PROPOSED BITUMINOUS SHOULDER, 5' (LEFT)
 STA. 4+35 TO STA. 7+97.7

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS SCALE: VERT. _____ HORIZ. _____ DATE _____
DRAWN BY: CDT		CHECKED BY: _____

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025	RS	LAKE	116	15
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS	IDNR File No. 2-03-025 D91-191-04			



* STA. 99+73 TO STA. 3+02.6

LEGEND

- ① EXISTING BITUMINOUS PAVEMENT, 3"
 - ② EXISTING AGGREGATE BASE COURSE, 6"
 - ③ EXISTING BITUMINOUS SHOULDER
 - ④ EXISTING AGGREGATE SHOULDER
 - ⑤ EXISTING GROUND COVER
 - ⑥ PROPOSED GEOTECHNICAL FABRIC
 - ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
 - ⑨ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 6"
 - ⑩ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 7 1/2"
 - ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE, IL-4.75, N50, 3/4"
 - ⑫ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 1 1/2"
 - ⑬ PROPOSED BITUMINOUS SHOULDER, SUPERPAVE, 8"
 - ⑭ PROPOSED AGGREGATE SHOULDER, 8"
 - ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
 - ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
 - ⑰ PROPOSED CONCRETE SHOULDER
 - ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑲ SLOTTED DRAIN
- HMA - HOT MIX ASPHALT

REVISIONS	
NAME	DATE

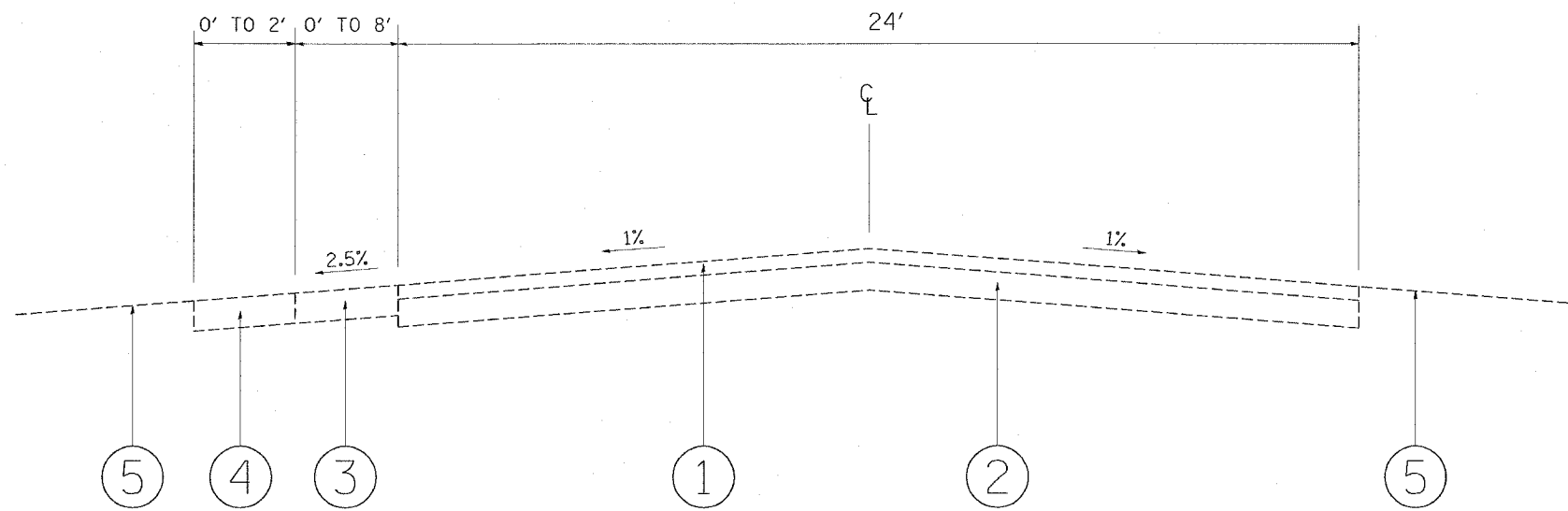
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PARK ROADS
 ILLINOIS BEACH STATE PARK
 NORTH POINT MARINA
 TYPICAL SECTIONS

SCALE: VERT. DATE
 HORIZ. DATE

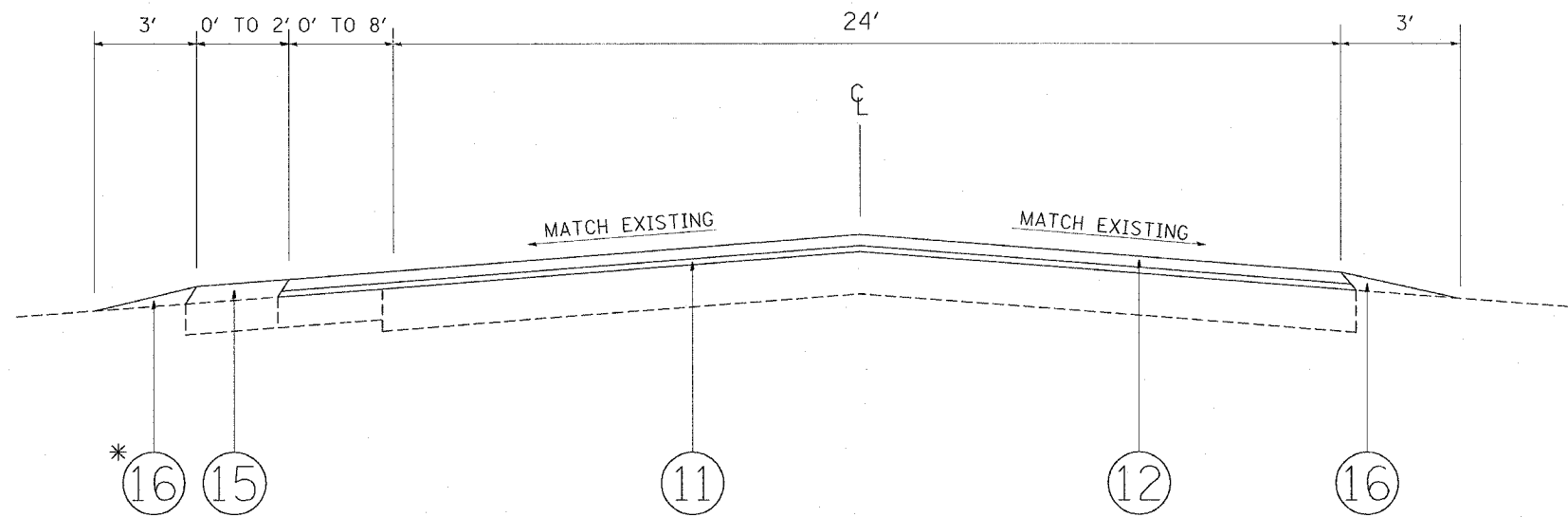
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 PLOT NAME = I:\PROJECTS\2004\2004-025\RS\LAKE\98+91 TO 3+02.6.dwg
 PLOT SCALE = 1/8" = 1'-0"
 REFERENCE = REF

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	116	16	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* PARK ROADS	IDNR File No. 2-03-025A			D91-191-04



EXISTING TYPICAL SECTION
 SPRING BLUFF ROAD
 STA. 34+30 TO STA. 38+50



PROPOSED TYPICAL SECTION
 SPRING BLUFF ROAD
 STA. 34+30 TO STA. 38+50

* ONLY TO BE USED WHEN NO PROPOSED SHOULDER IS BEING PLACED

LEGEND

- ① EXISTING BITUMINOUS PAVEMENT, 3"
- ② EXISTING AGGREGATE BASE COURSE, 6"
- ③ EXISTING BITUMINOUS SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GROUND COVER
- ⑥ PROPOSED GEOTECHNICAL FABRIC
- ⑦ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑨ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 6"
- ⑩ PROPOSED BITUMINOUS BASE COURSE, SUPERPAVE, 7 1/2"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE, IL-4.75, N50, 3/4"
- ⑫ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED BITUMINOUS SHOULDER, SUPERPAVE, 8"
- ⑭ PROPOSED AGGREGATE SHOULDER, 8"
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 4" (SPECIAL), SEEDING, CLASS 4A (MODIFIED), EROSION CONTROL BLANKET (SPECIAL)
- ⑰ PROPOSED CONCRETE SHOULDER
- ⑱ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑲ SLOTTED DRAIN

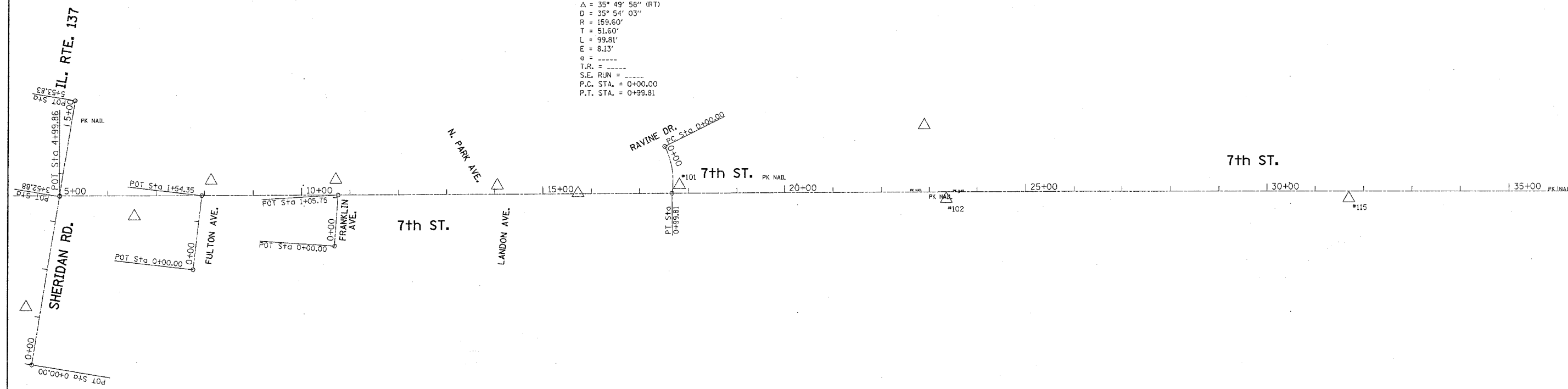
HMA - HOT MIX ASPHALT

PLOT DATE = 11/27/2006
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 REFERENCE = 0REF

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PARK ROADS ILLINOIS BEACH STATE PARK NORTH POINT MARINA TYPICAL SECTIONS SCALE: VERT. _____ HORIZ. _____ DATE _____
DRAWN BY: CDT		CHECKED BY: _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	116	17	
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* PARK ROADS CONTRACT NO. 62745				
IDNR FILE NO. 2-03-025A				

EXIST. CURVE E_SHER-1
 PI STA. = 0+51.60
 $\Delta = 35^\circ 49' 58''$ (RT)
 $D = 35^\circ 54' 03''$
 $R = 159.60'$
 $T = 51.60'$
 $L = 99.81'$
 $E = 8.13'$
 $\theta = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 0+00.00$
 $P.T. \text{ STA.} = 0+99.81$



MATCHLINE STA. 37+00 (7TH ST.)

TIE POINTS

#101	N=2118815.46 E=1123215.71 ELEV.=599.615
#102	N=2118785.34 E=1123769.21 ELEV.=598.845
#115	N=2118784.954 E=1124602.699 ELEV.=589.989

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

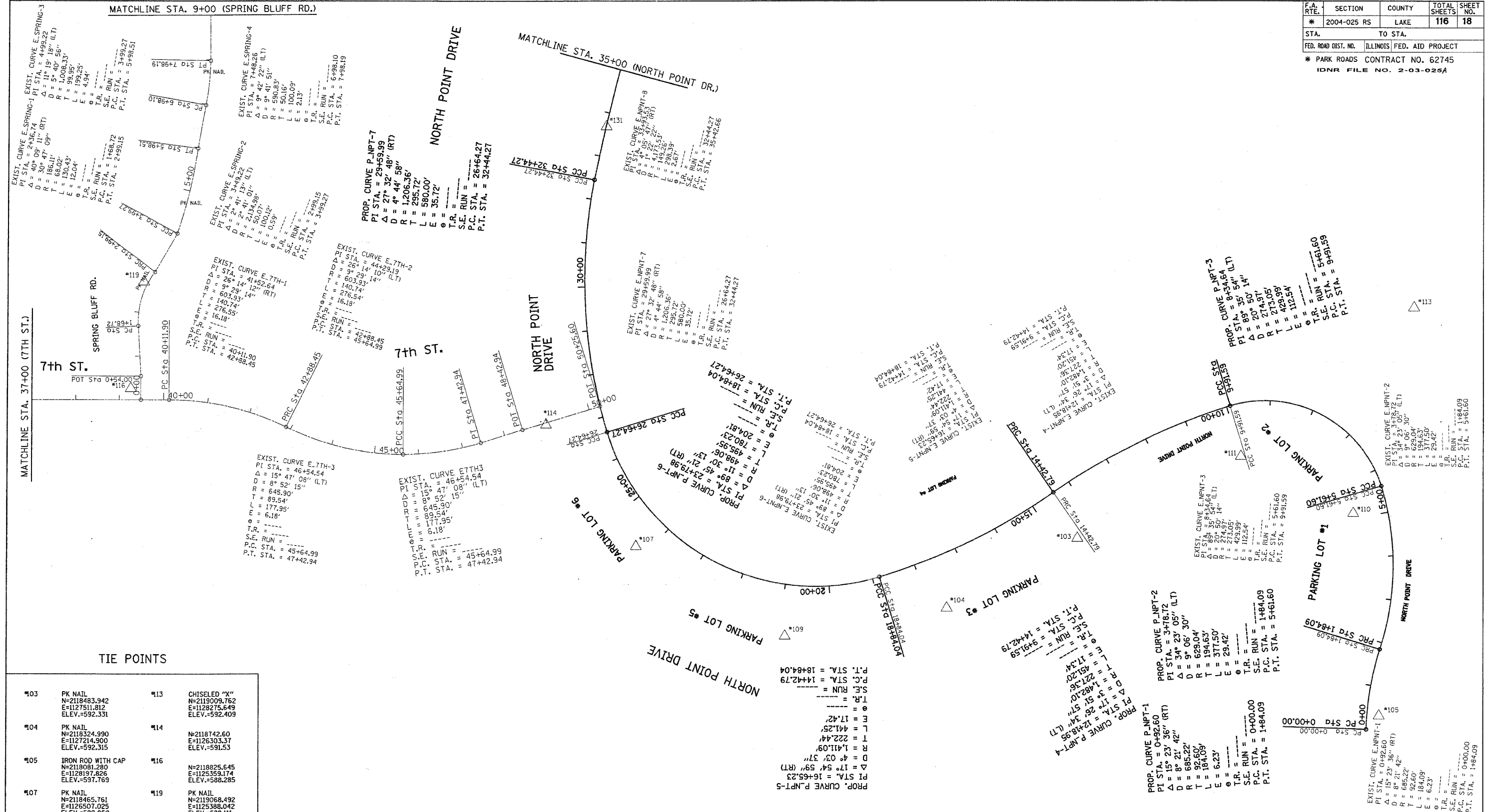
NORTH POINT MARINA
ALIGNMENT AND TIES

SCALE: VERT. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 1/4/2006
 FILE NAME = c:\projects\2004\025\sh_7\sh_7.plt
 USER NAME = drwks03gn

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* PARK ROADS CONTRACT NO. 62745				
IDNR FILE NO. 2-03-025A				



TIE POINTS

#03	PK NAIL N=2118483.942 E=1127511.812 ELEV.=592.331	#13	CHISELED "X" N=2119009.762 E=1128275.649 ELEV.=592.409
#04	PK NAIL N=2118324.990 E=1127214.900 ELEV.=592.315	#14	N=2118742.60 E=1126303.37 ELEV.=591.53
#05	IRON ROD WITH CAP N=2118081.280 E=1128197.826 ELEV.=597.769	#16	N=2118825.645 E=1125359.174 ELEV.=588.285
#07	PK NAIL N=2118465.761 E=1126507.025 ELEV.=592.050	#19	PK NAIL N=2119068.492 E=1125368.042 ELEV.=589.111
#09	PK NAIL N=2118261.428 E=1126846.395 ELEV.=591.627	#31	N=2119420.118 E=1126438.665 ELEV.=591.222
#10	PK NAIL N=2118540.909 E=1128140.476 ELEV.=594.700		
#11	PK NAIL N=211870.621 E=1127885.646 ELEV.=593.917		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**NORTH POINT MARINA
ALIGNMENT AND TIES**

SCALE: VERT.
HORIZ.

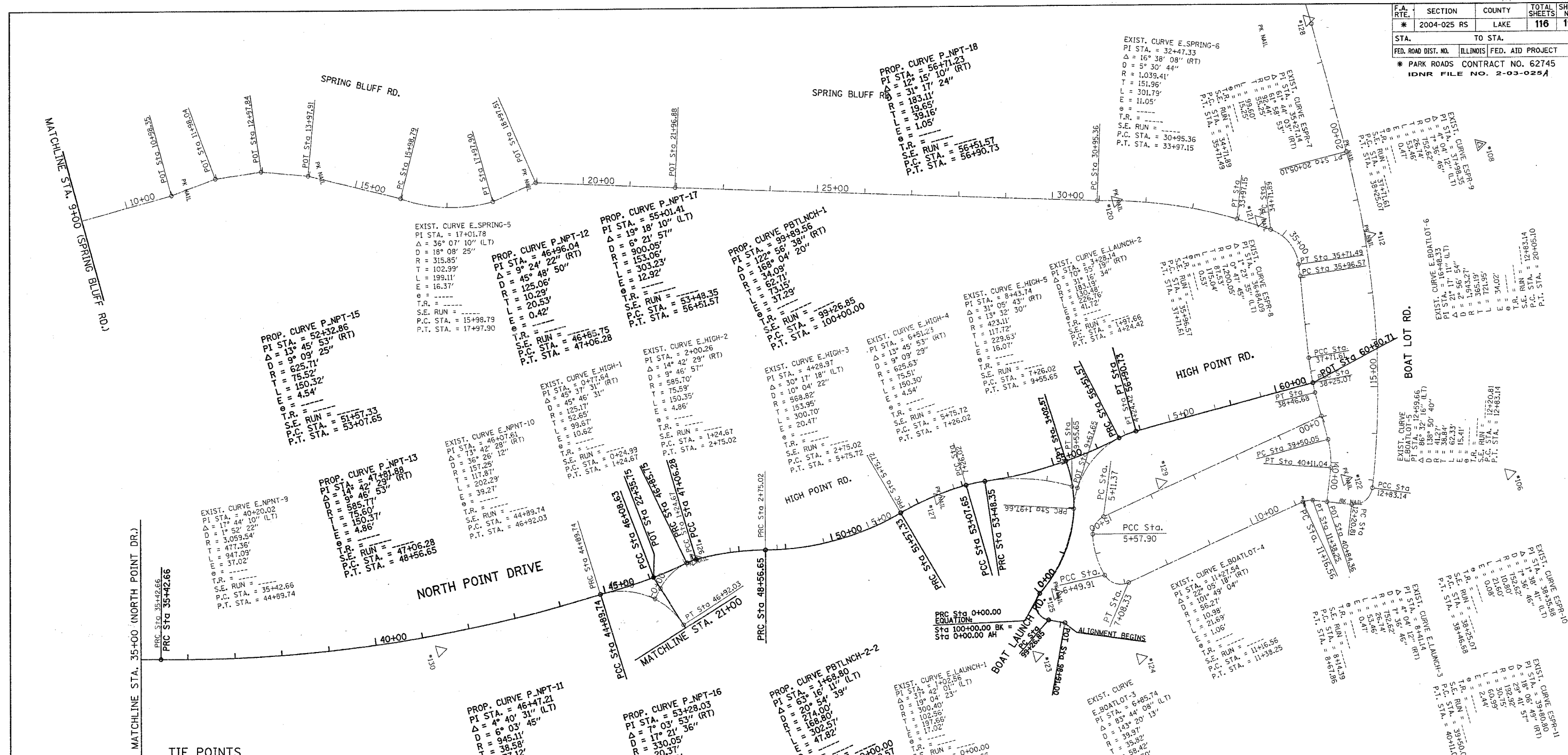
DATE

DRAWN BY

CHECKED BY

PLOT DATE = 1/4/2006
PLOT SCALE = 1"=40'
USER NAME = drivekeng

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	ILLINOIS	116	19
FED. ROAD DIST. NO. TO STA.				
* PARK ROADS CONTRACT NO. 62745				
IDNR FILE NO. 2-03-025A				



TIE POINTS

*106	IRON ROD N=2122455.503 E=1126859.306 ELEV.=585.954	*20	PK NAIL N=2121804.230 E=1126080.926 ELEV.=587.455	*26	PK NAIL N=2120739.073 E=1126577.155 ELEV.=591.489
*108	BRASS DISC N=2122578.935 E=1126169.522 ELEV.=586.977	*21	PK NAIL N=2122088.318 E=1126201.253 ELEV.=589.236	*27	PK NAIL N=2121272.051 E=1126590.187 ELEV.=591.312
*112	PK NAIL N=2122303.931 E=1126293.116 ELEV.=588.983	*22	PK NAIL N=212118.594 E=1126780.675 ELEV.=601.980	*28	PK NAIL N=2122298.640 E=1125819.340 ELEV.=588.160
		*23	CHISELED "X" N=2121386.481 E=1126969.174 ELEV.=588.821	*29	PK NAIL N=2121737.905 E=1126684.653 ELEV.=586.536
		*24	CHISELED "X" N=2121599.049 E=1127033.148 ELEV.=586.080	*30	PK NAIL N=2120165.801 E=1126620.116 ELEV.=590.301
		*25	PK NAIL N=2121460.730 E=1126852.819 ELEV.=587.373		

REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION

**NORTH POINT MARINA
ALIGNMENT AND TIES**

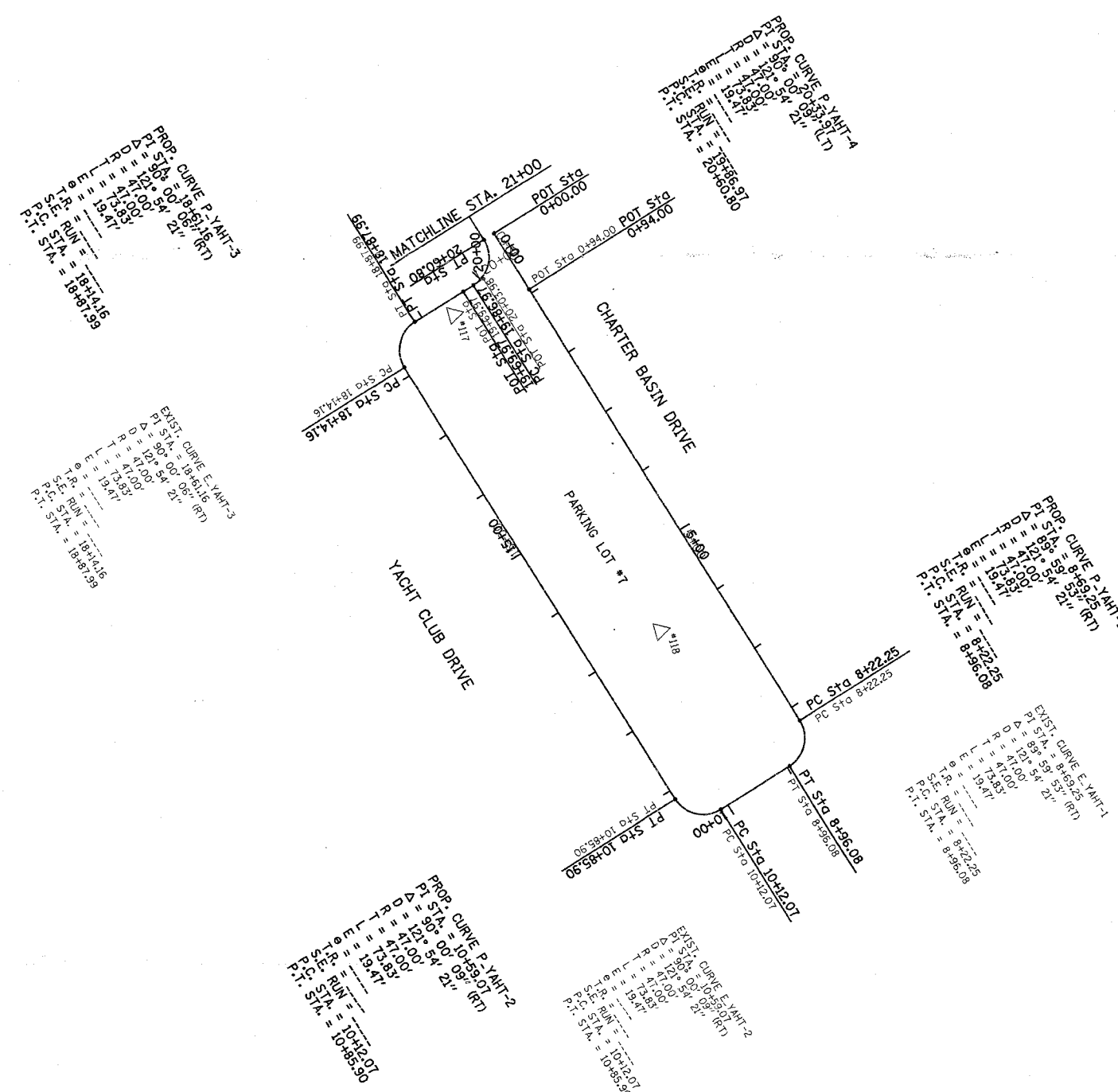
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HORIZ. _____

DATE _____

DRAWN BY _____
CHECKED BY _____

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 USER NAME = drivelocsign

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS CONTRACT NO. 62745				
IDNR FILE NO. 2-03-025A				



TIE POINTS

#17	PK NAIL N=2120626.733 E=1126851.134 ELEV.=591.493
#18	PK NAIL N=2120793.649 E=1127364.362 ELEV.=591.806

PLOT DATE = 1/4/2006
 FILE NAME = c:\projects\2004-025\14-025\14-025.dgn
 USER NAME = dvrakosgn

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**NORTH POINT MARINA
ALIGNMENT AND TIES**

SCALE: VERT. _____
 HORIZ. _____

DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	21
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* PARK ROADS IDNR File No. 2-03-0254
D91-191-04

SUGGESTED STAGING SEQUENCE FOR CONSTRUCTION OF:
NORTH POINT DRIVE, HIGH POINT ROAD & CHARTER BASIN DRIVE INTERSECTION
AND HIGH POINT ROAD & BOAT LAUNCH ROAD INTERSECTION

GENERAL NOTES

- RESURFACING SHALL BE CONDUCTED ACCORDING TO STATE STANDARD 701501, 'URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED'.
- CONTRACTOR SHALL COORDINATE CLOSURES OF PARKING LOTS WITH NORTH POINT MARINA TO INSURE ADEQUATE AVAILABILITY TO USERS.

STAGE I:

CONSTRUCT NEW PARKING LOT.

STAGE II:

- ESTABLISH DETOUR AS SHOWN ON DETOUR PLAN #1.
- RECONSTRUCT INTERSECTION OF NORTH POINT MARINA, HIGH POINT ROAD & CHARTER BASIN ROAD.
- RECONSTRUCT INTERSECTION OF HIGH POINT ROAD & BOAT LAUNCH ROAD.
- PARKING WILL NOT BE ALLOWED IN NEW PARKING LOT.

STAGE IIA:

- ESTABLISH DETOUR AS SHOWN ON DETOUR PLAN #2.
- RECONSTRUCT REMAINING PART OF INTERSECTION AT NORTH POINT ROAD & YACHT CLUB/CHARTER BASIN ROAD.

STAGE III:

RECONSTRUCT JUNCTION CHAMBER.

STAGE IV:

RECONSTRUCT BOAT SLIPS

PLOT DATE = 1/11/2006
FILE NAME = \\s\c\6633\p134482\design\c3
PLOT SCALE = 50.0000' / IN.
REFERENCE = REF#

REVISIONS	
NAME	DATE

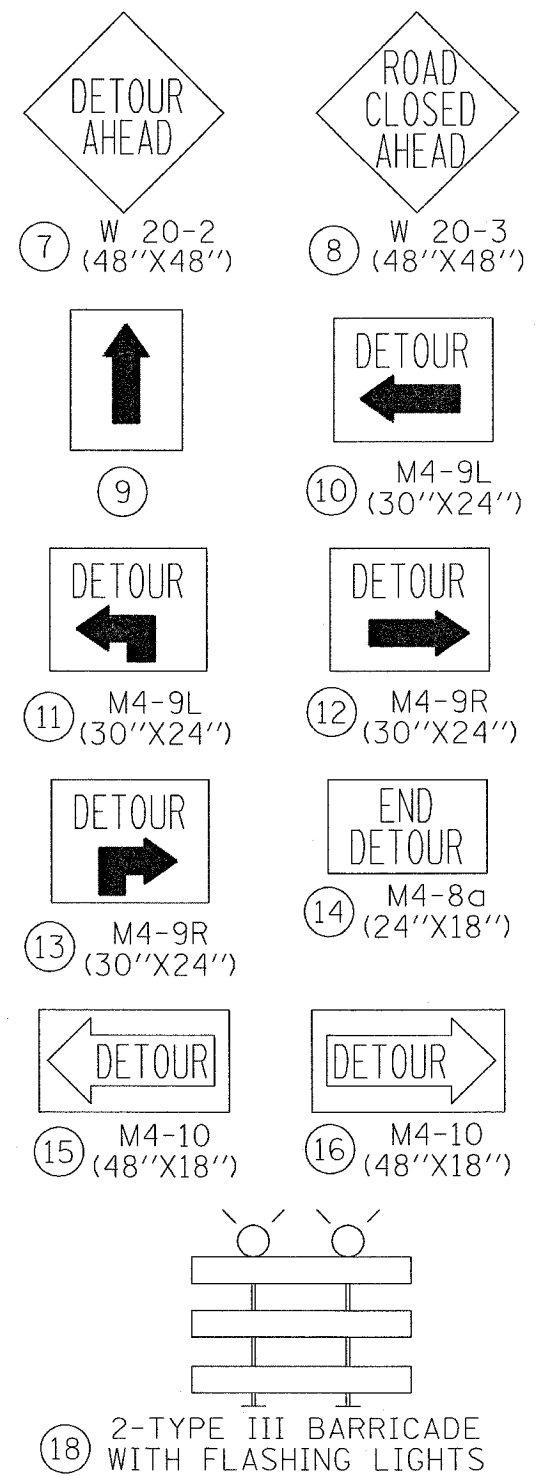
ILLINOIS DEPARTMENT OF TRANSPORTATION
PARK ROADS
ILLINOIS BEACH STATE PARK
NORTH POINT MARINA
SUGGESTED STAGING PLAN

SCALE: DATE DRAWN BY: CDT
CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	116	22	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		IDNR File No. 2-03-025A	D91-191-04	

LEGEND

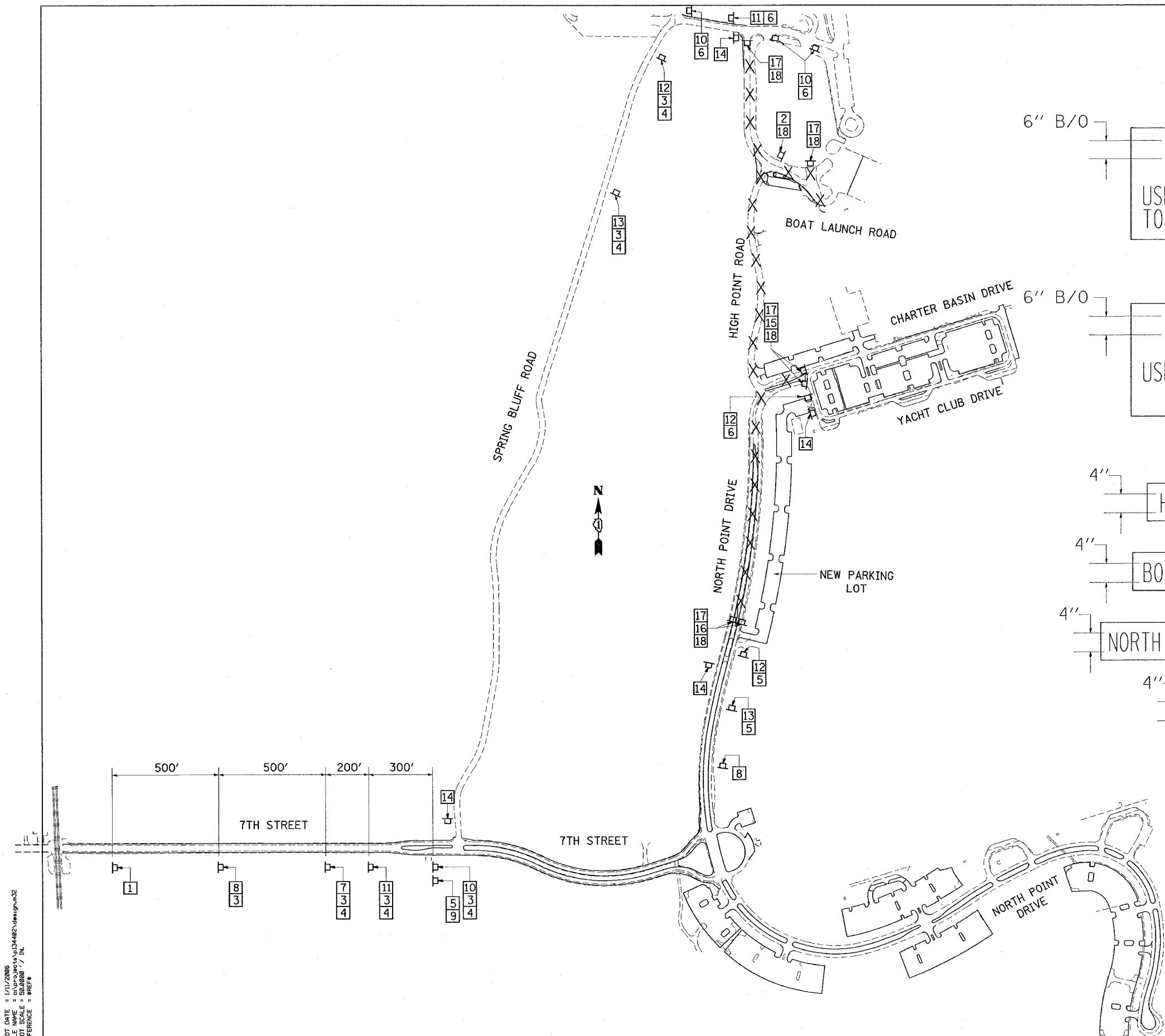
- ① HIGH POINT ROAD CLOSED USE SPRING BLUFF RD. TO BOAT LAUNCH AREA (72"X48") 6" B/O
- ② HIGH POINT ROAD CLOSED USE SPRING BLUFF RD. TO 7TH STREET (72"X48") 6" B/O
- ③ HIGH POINT ROAD 4"
- ④ BOAT LAUNCH AREA 4"
- ⑤ NORTH MARINA PARKING 4"
- ⑥ 7TH STREET 4"
- ⑦ W 20-2 (48"X48")
- ⑧ W 20-3 (48"X48")
- ⑨
- ⑩ M4-9L (30"X24")
- ⑪ M4-9L (30"X24")
- ⑫ M4-9R (30"X24")
- ⑬ M4-9R (30"X24")
- ⑭ M4-8a (24"X18")
- ⑮ M4-10 (48"X18")
- ⑯ M4-10 (48"X18")
- ⑰ R11-2 (48"X30")



X = ROAD CLOSED TO TRAFFIC

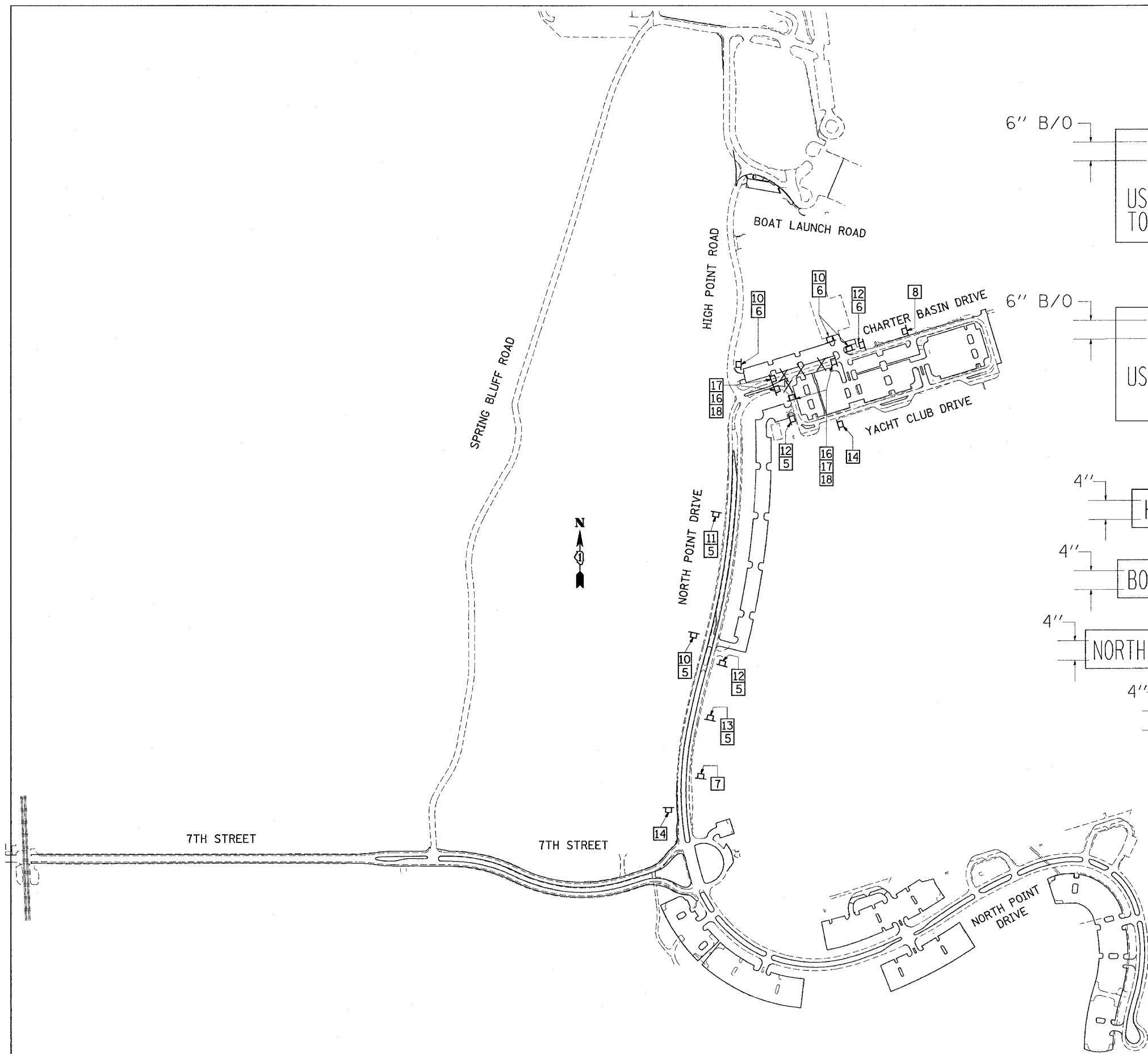
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PARK ROADS
 ILLINOIS BEACH STATE PARK
 NORTH POINT MARINA
 DETOUR PLAN #1
 SCALE: DATE
 DRAWN BY: CDT
 CHECKED BY:



PLOT DATE = 1/17/2006
 FILE NAME = 601030301034402.dwg
 SCALE = 1/8" = 1'-0"
 REFERENCE = ARBETA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	116	23	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		IDNR File No. 2-03-025A	091-191-04	



LEGEND

6" B/O
 HIGH POINT ROAD CLOSED
 USE SPRING BLUFF RD. TO BOAT LAUNCH AREA
 (72"X48")
 ①

6" B/O
 HIGH POINT ROAD CLOSED
 USE SPRING BLUFF RD. TO 7TH STREET
 (72"X48")
 ②

4"
 HIGH POINT ROAD ③

4"
 BOAT LAUNCH AREA ④

4"
 NORTH MARINA PARKING ⑤

4"
 7TH STREET ⑥

ROAD CLOSED
 ①⑦ R11-2 (48"X30")

X = ROAD CLOSED TO TRAFFIC

⑦ W 20-2 (48"X48")
 DETOUR AHEAD

⑧ W 20-3 (48"X48")
 ROAD CLOSED AHEAD

⑨
 ↑

⑩ M4-9L (30"X24")
 ←
 DETOUR

⑪ M4-9L (30"X24")
 ←
 DETOUR

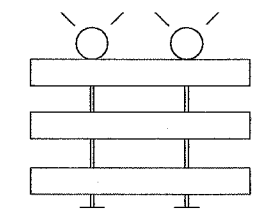
⑫ M4-9R (30"X24")
 →
 DETOUR

⑬ M4-9R (30"X24")
 →
 DETOUR

⑭ M4-8a (24"X18")
 END DETOUR

⑮ M4-10 (48"X18")
 ←
 DETOUR

⑯ M4-10 (48"X18")
 →
 DETOUR



⑰ 2-TYPE III BARRICADE WITH FLASHING LIGHTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PARK ROADS
 ILLINOIS BEACH STATE PARK
 NORTH POINT MARINA
 DETOUR PLAN #2

SCALE: DATE DRAWN BY: CDT CHECKED BY:

PLOT DATE = 1/11/2006
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 REFERENCE = REF#

*REF-top7H
*REF-pt7H

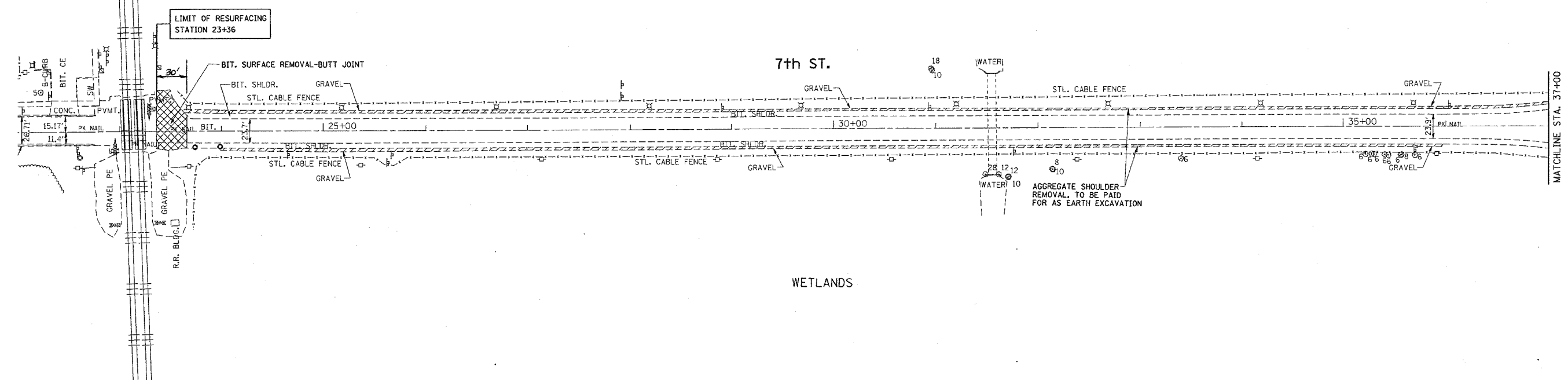
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* 2004-025 RS		LAKE	116	24
STA. 23+61.92		TO STA. 37+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
		IDNR FILE NO. 2-03-025A		



WETLANDS

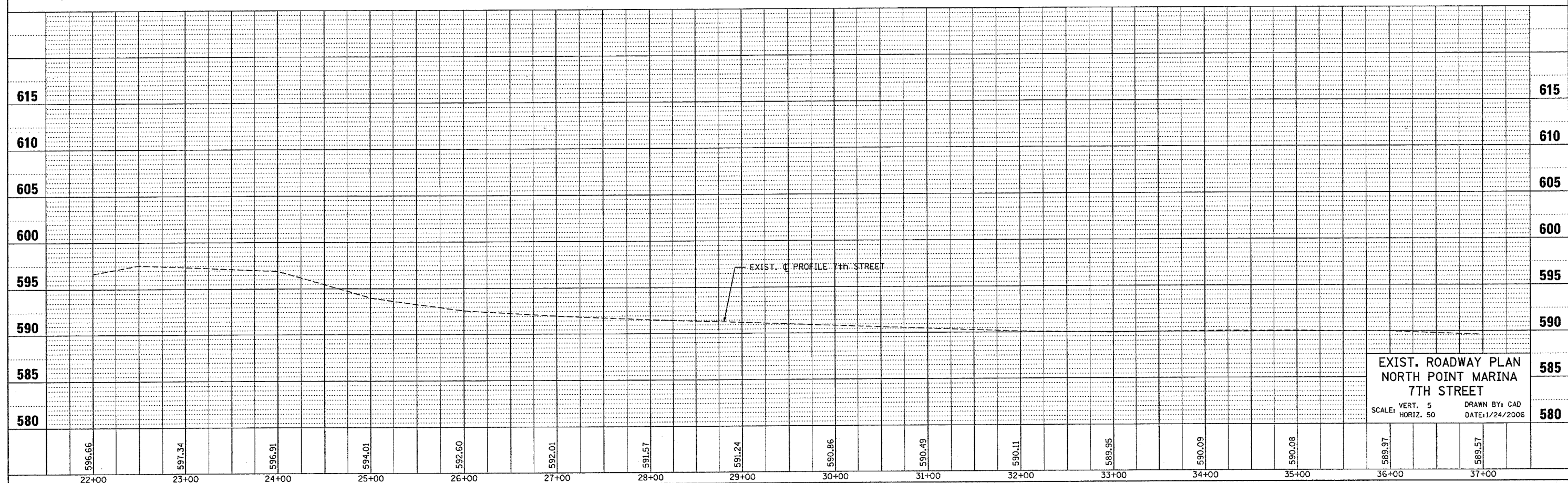
7th ST.

WETLANDS



PLAN	REVISION	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	

PROFILE	REVISION	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	



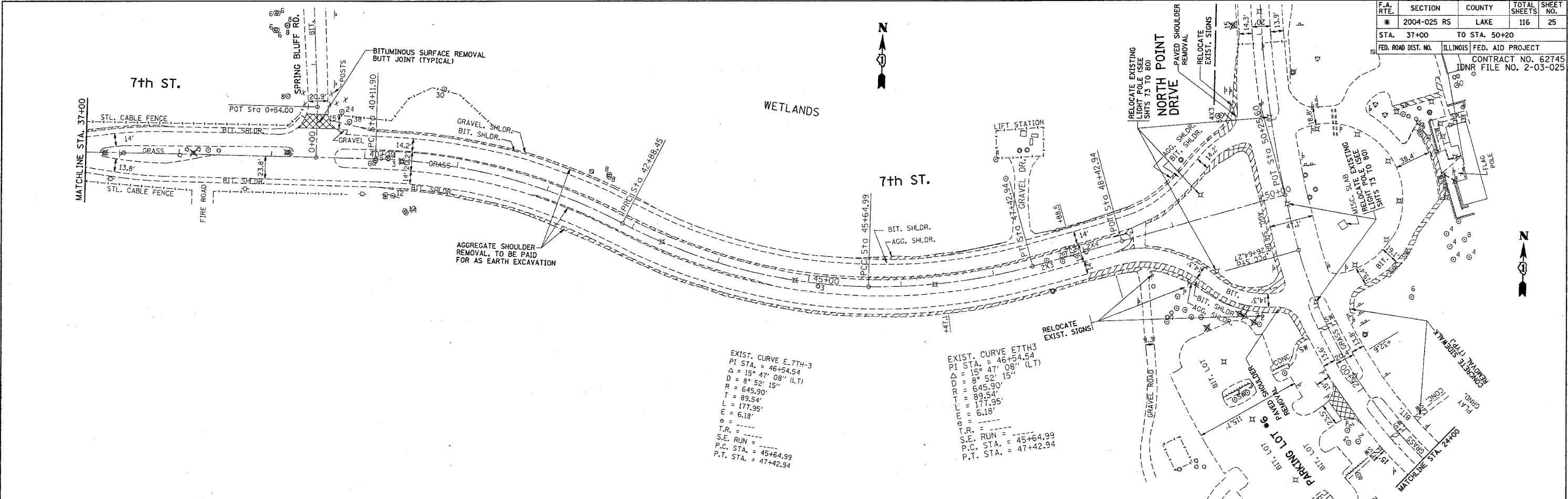
EXIST. ROADWAY PLAN
NORTH POINT MARINA
7TH STREET
SCALE: VERT. 5
HORIZ. 50
DRAWN BY: CAD
DATE: 1/24/2006

*REF-1007112
*REF-17112

* PARK ROADS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RTE.	2004-025 RS	LAKE		116	25
STA.	37+00	TO STA. 50+20			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			
				CONTRACT NO. 62745	
				IDNR FILE NO. 2-03-025	

PLAN	DATE	BY
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		

PROFILE	DATE	BY
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		



EXIST. CURVE E. 7TH-3
 PI STA. = 46+54.54
 $\Delta = 15^\circ 47' 08''$ (LT)
 $D = 8^\circ 52' 15''$
 $R = 645.90'$
 $T = 89.54'$
 $L = 177.95'$
 $E = 6.18'$
 $\theta =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 45+64.99
 P.T. STA. = 47+42.94

EXIST. CURVE E. 7TH-3
 PI STA. = 46+54.54
 $\Delta = 15^\circ 47' 08''$ (LT)
 $D = 8^\circ 52' 15''$
 $R = 645.90'$
 $T = 89.54'$
 $L = 177.95'$
 $E = 6.18'$
 $\theta =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 45+64.99
 P.T. STA. = 47+42.94

Station	615	610	605	600	595	590	585	580
37+00								
38+00								
39+00								
40+00								
41+00								
42+00								
43+00								
44+00								
45+00								
46+00								
47+00								
48+00								
49+00								
50+00								

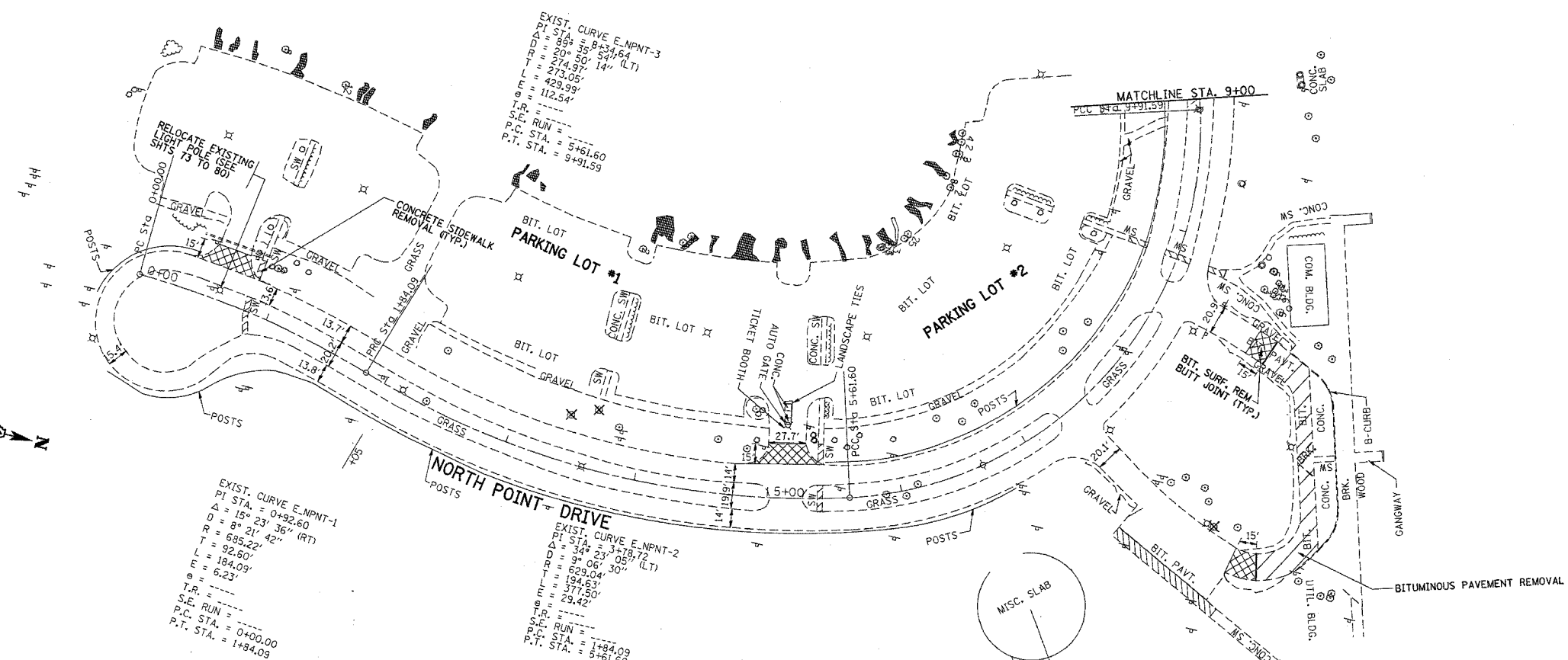
EXIST. ROADWAY PLAN
 NORTH POINT MARINA
 7TH STREET
 SCALE: VERT. 5 DRAWN BY: CAD
 HORIZ. 50 DATE: 1/24/2006

*REF-topright
*REF-pright

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE		116	26
STA. TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				

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

PROFILE	DATE
SURVEYED	BY
GRADED	
CHECKED	
BY	
NOTE BOOK NO.	
DATE	



EXIST. CURVE E.NPNT-1
 PI STA. = 0+92.60
 $\Delta = 15^\circ 23' 36''$ (RT)
 $D = 81' 21' 42''$
 $T = 685.22'$
 $L = 92.50'$
 $E = 184.09'$
 $E = 6.23'$
 S.E. RUN =
 P.C. STA. = 0+00.00
 P.T. STA. = 1+84.09

EXIST. CURVE E.NPNT-2
 PI STA. = 3+19.72
 $\Delta = 9^\circ 06' 30''$ (LT)
 $D = 629.04'$
 $L = 194.63'$
 $E = 377.50'$
 $E = 29.42'$
 S.E. RUN =
 P.C. STA. = 1+84.09
 P.T. STA. = 5+61.60

EXIST. CURVE E.NPNT-3
 PI STA. = 8+34.64
 $\Delta = 20^\circ 50' 14''$ (LT)
 $D = 274.97'$
 $L = 429.99'$
 $E = 112.54'$
 S.E. RUN =
 P.C. STA. = 5+61.60
 P.T. STA. = 9+91.59

Station	615	610	605	600	595	590	585	580
1+00								
2+00								
3+00								
4+00								
5+00								
6+00								
7+00								
8+00								
9+00								

EXIST. & PROF. CHAIN 'NORTH POINT DR. (FORMERLY CLAY)' (SOUTHEAST MOST RD.)

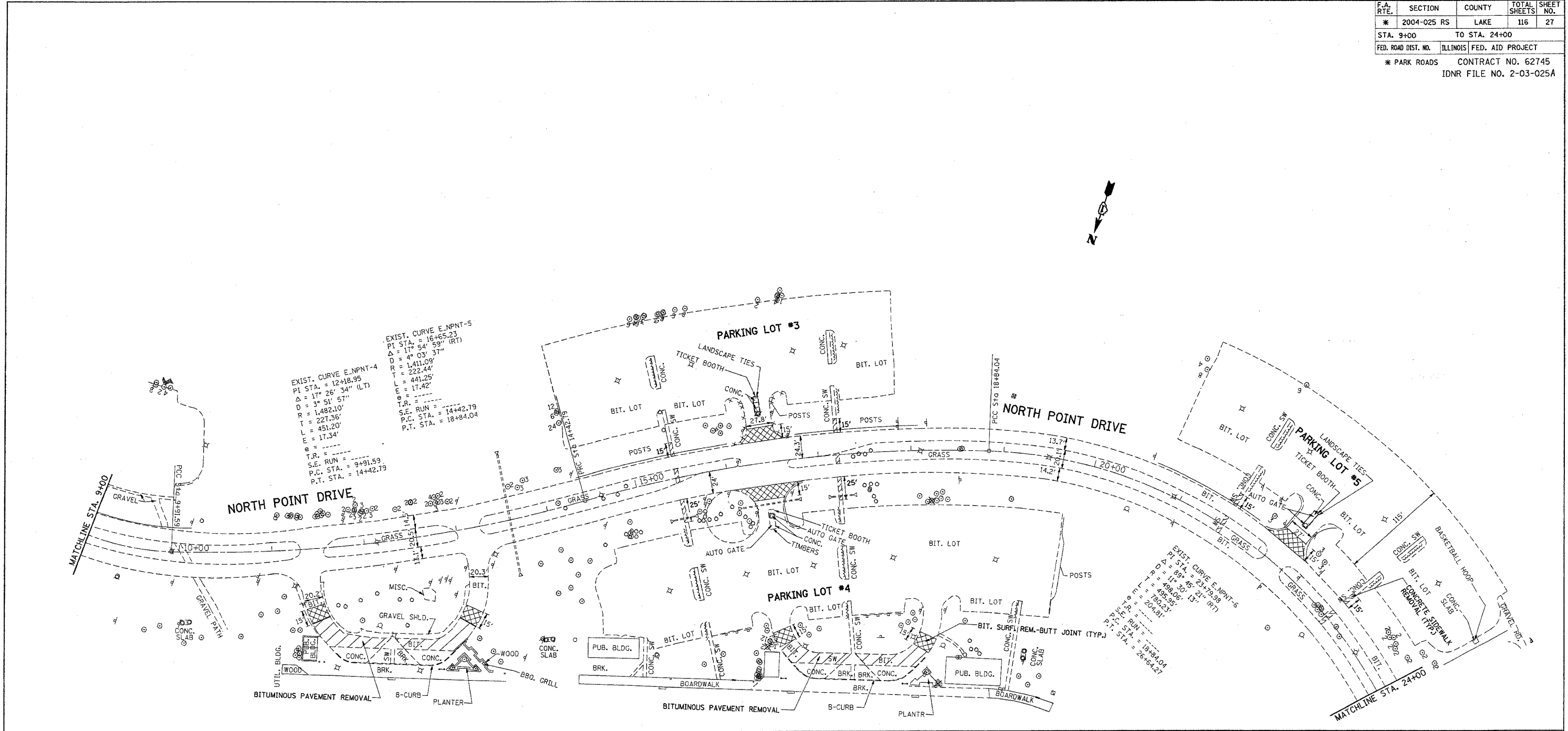
EXIST. ROADWAY PLAN
 NORTH POINT MARINA
 NORTH POINT DR.
 SCALE: VERT. 5
 HORIZ. 50
 DRAWN BY: CAD
 DATE: 1/24/2006

*REF-topnpt2
*REF-pfnpt2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE		116	27
STA. 9+00		TO STA. 24+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
		IDNR FILE NO. 2-03-025A		

PLAN	DATE
SUBMITTED	
PLANNED	
NOTED	
BY	

PROFILE	DATE
SURVEYED	
NOTED	
BY	

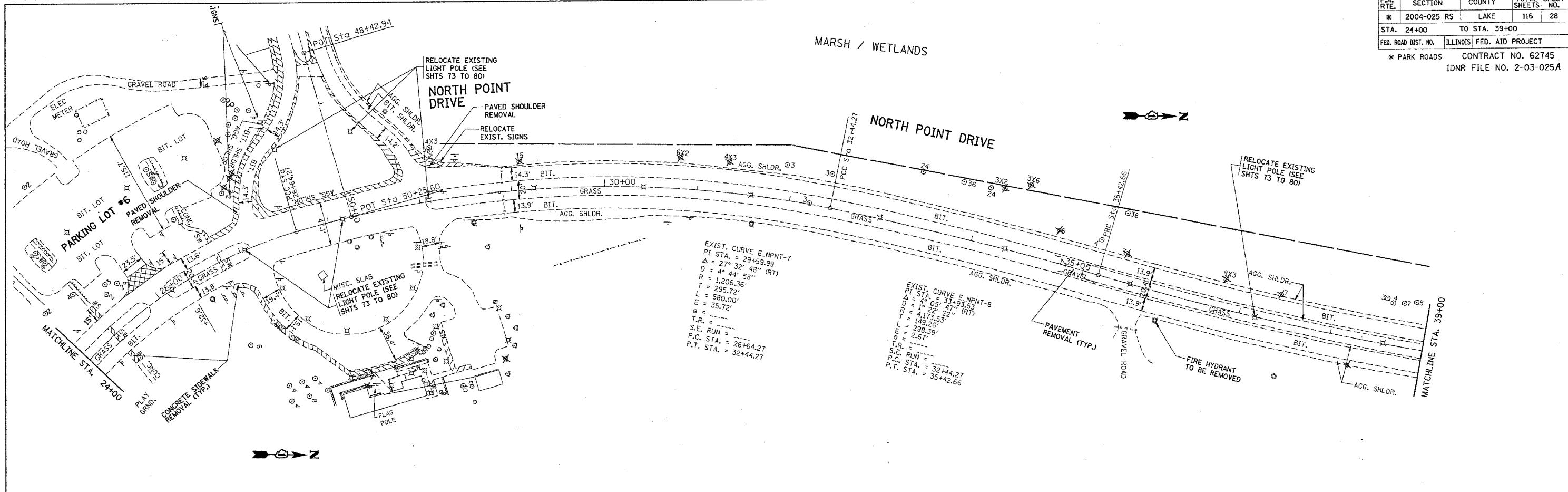


EXIST. C. PROF. CHAIN "NORTH POINT DR. (FORMERLY CLAD)" (SOUTHEAST MOST RD.)	
595	595
590	590
585	585
580	580
594.71	591.59
593.84	592.08
592.94	
592.03	
591.12	
589.87	
591.09	
591.09	
591.45	
592.20	
592.83	
592.59	
591.97	
591.51	
9+00	24+00

EXIST. ROADWAY PLAN
NORTH POINT MARINA
NORTH POINT DR.
SCALE: VERT. 5
HORIZ. 50
DRAWN BY: CAD
DATE: 1/24/2006

*REF-topnpt3
*REF-pl npt3

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE		116	28
STA. 24+00		TO STA. 39+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



DATE	BY	REVISION

DATE	BY	REVISION

STATION	580	585	590	595	600	605	610	615
24+00								
25+00								
26+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								

EXIST. ROADWAY PLAN
NORTH POINT MARINA
NORTH POINT DR.
 SCALE: VERT. 5 DRAWN BY: CAD
 HORIZ. 50 DATE: 1/24/2006

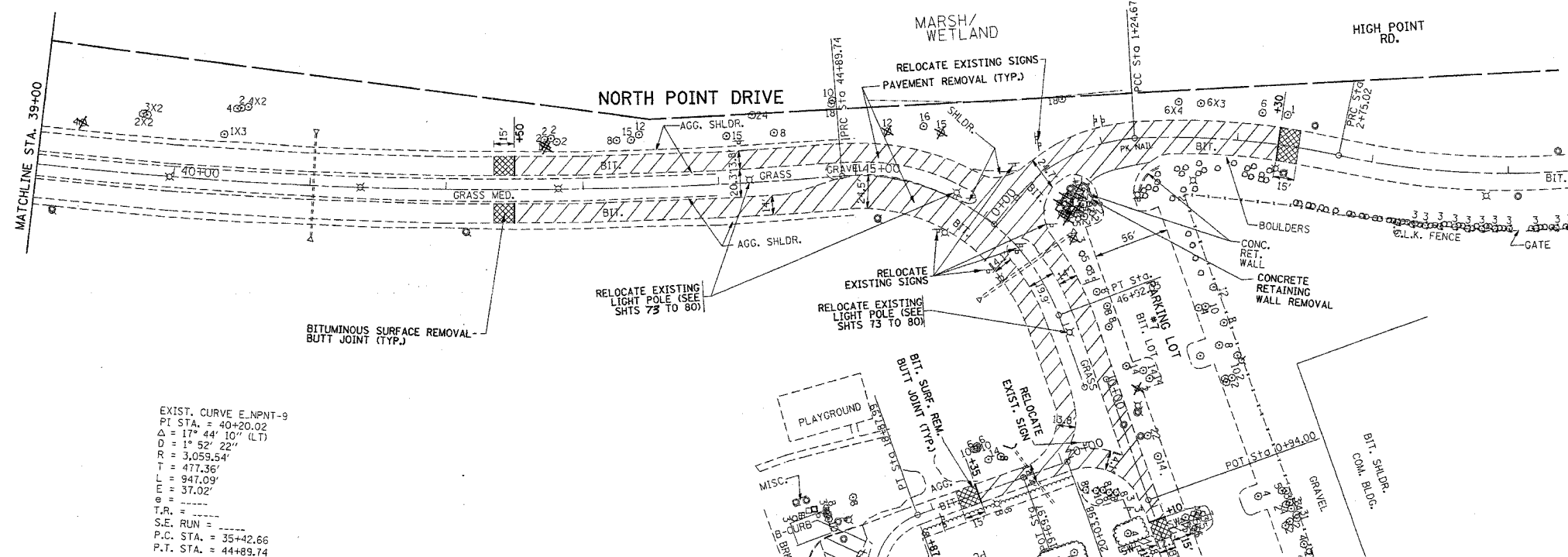
*REF-topof4
 *REF-pf npt4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	29
STA.		TO STA.		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				

EXIST. CURVE E.NPNT-10
 PI STA. = 46+07.61
 $\Delta = 73^\circ 42' 28''$ (RT)
 $D = 36^\circ 26' 12''$
 $R = 157.25'$
 $T = 117.87'$
 $L = 202.29'$
 $E = 39.27'$
 $\theta = \dots$
 $T.R. = \dots$
 $S.E. RUN = \dots$
 $P.C. STA. = 44+89.74$
 $P.T. STA. = 46+92.03$

EXIST. CURVE E.HIGH-1
 PI STA. = 0+77.64
 $\Delta = 45^\circ 37' 31''$ (RT)
 $D = 45^\circ 46' 31''$
 $R = 125.17'$
 $T = 52.65'$
 $L = 99.67'$
 $E = 10.62'$
 $\theta = \dots$
 $T.R. = \dots$
 $S.E. RUN = 0+24.99$
 $P.C. STA. = 1+24.67$
 $P.T. STA. = 1+24.67$

EXIST. CURVE E.HIGH-2
 PI STA. = 2+00.26
 $\Delta = 14^\circ 42' 29''$ (RT)
 $D = 9^\circ 46' 57''$
 $R = 585.70'$
 $T = 75.59'$
 $L = 150.35'$
 $E = 4.86'$
 $\theta = \dots$
 $T.R. = \dots$
 $S.E. RUN = \dots$
 $P.C. STA. = 1+24.67$
 $P.T. STA. = 2+75.02$



EXIST. CURVE E.NPNT-9
 PI STA. = 40+20.02
 $\Delta = 17^\circ 44' 10''$ (LT)
 $D = 1^\circ 52' 22''$
 $R = 3,059.54'$
 $T = 477.36'$
 $L = 947.09'$
 $E = 37.02'$
 $\theta = \dots$
 $T.R. = \dots$
 $S.E. RUN = \dots$
 $P.C. STA. = 35+42.66$
 $P.T. STA. = 44+89.74$

DATE	BY

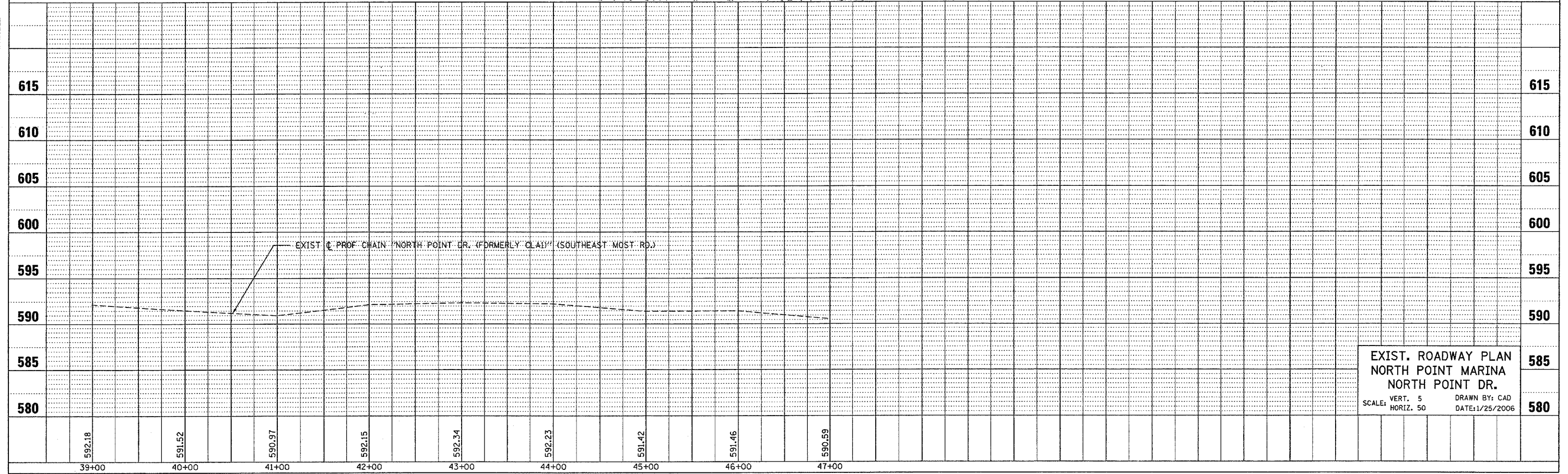
PLAN

DESIGNED BY: _____
 CHECKED BY: _____
 DATE: _____

DATE	BY

PROFILE

DESIGNED BY: _____
 CHECKED BY: _____
 DATE: _____



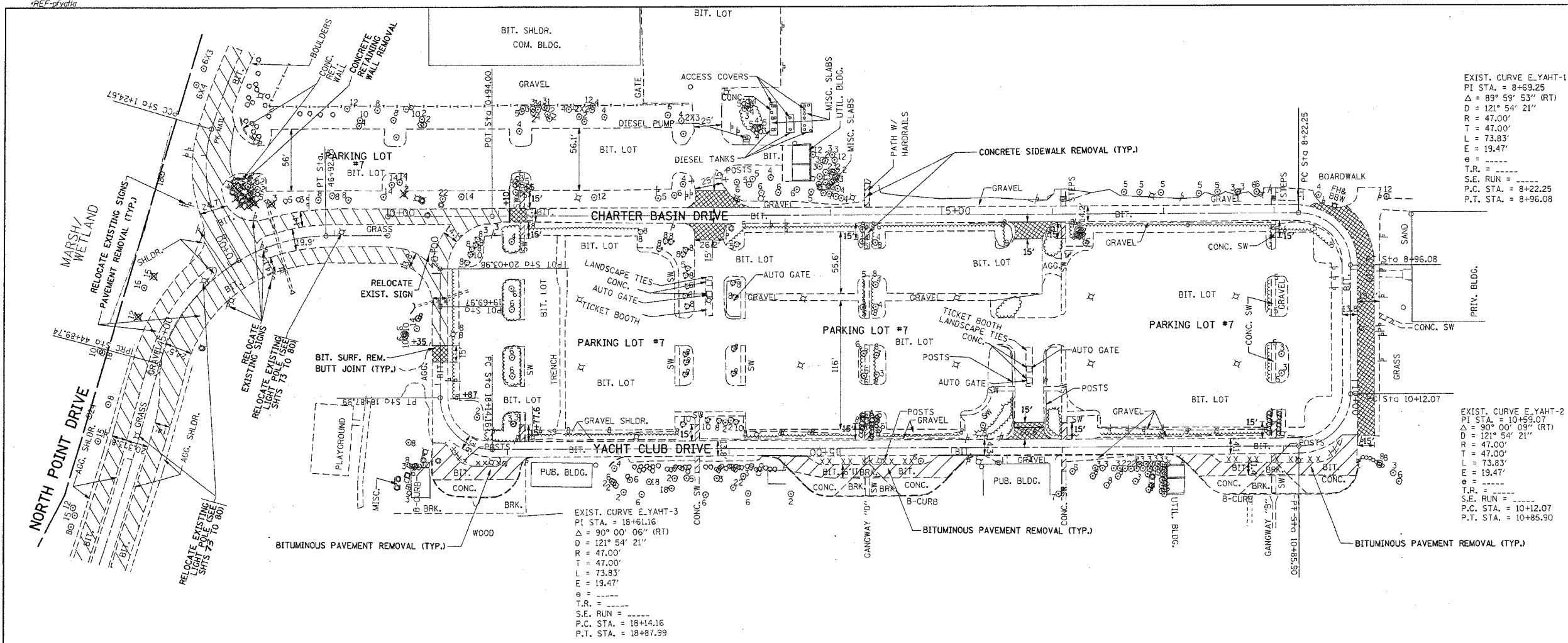
EXIST. ROADWAY PLAN
 NORTH POINT MARINA
 NORTH POINT DR.
 SCALE: VERT. 5 DRAWN BY: CAD
 HORIZ. 50 DATE: 1/25/2006

*REF-100yat
 *REF-100yat
 *REF-100yat2
 *REF-100yat1a

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS				CONTRACT NO. 62745
				IDNR FILE NO. 2-03-025A

PLAN	SURVEYED	DATE
	BY	
	NOTED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	BY	
	NOTED	
	BY	
	DATE	



595	EXIST. C. PROF. CHAIN "YACHT CLUB DR. (FORMERLY CLB2)" (PARKING LOT S.E.)															595			
590	EXIST. C. PROF. CHAIN "YACHT CLUB DR. (FORMERLY CLB2)" (PARKING LOT S.E.)															590			
585	EXIST. PROFILE															585			
	0+00	1+00	2+00	3+00	4+00	5+00	6+00	7+00	8+00	9+00	10+00	11+00							
590	EXIST. C. PROF. CHAIN "YACHT CLUB DR. (FORMERLY CLB2)" (PARKING LOT S.E.)															590			
585	EXIST. PROFILE CONT'D.															585			
580	589.52	589.63	589.68	589.58	589.62	589.61	589.60	589.59	590.40								580		

EXIST. ROADWAY PLAN
 NORTH POINT MARINA
 YACHT CLUB DR.

SCALE: VERT. 5
 HORIZ. 50
 DRAWN BY: CAD
 DATE: 1/24/2006

*REF-100H/P
 *REF-01H/P

EXIST. CURVE E.NPNT-10
 PI STA. = 46+07.61
 Δ = 73° 42' 28" (RT)
 D = 36° 26' 12"
 R = 157.25'
 T = 117.87'
 L = 202.29'
 E = 39.27'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 44+89.74
 P.T. STA. = 46+92.03

EXIST. CURVE E.HIGH-1
 PI STA. = 0+77.64
 Δ = 45° 37' 31" (RT)
 D = 45° 46' 31"
 R = 125.17'
 T = 52.85'
 L = 99.67'
 E = 10.62'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 0+24.99
 P.T. STA. = 1+24.67

EXIST. CURVE E.HIGH-2
 PI STA. = 2+00.26
 Δ = 14° 42' 29" (RT)
 D = 9° 46' 57"
 R = 585.70'
 T = 75.59'
 L = 150.35'
 E = 4.86'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 1+24.67
 P.T. STA. = 2+75.02

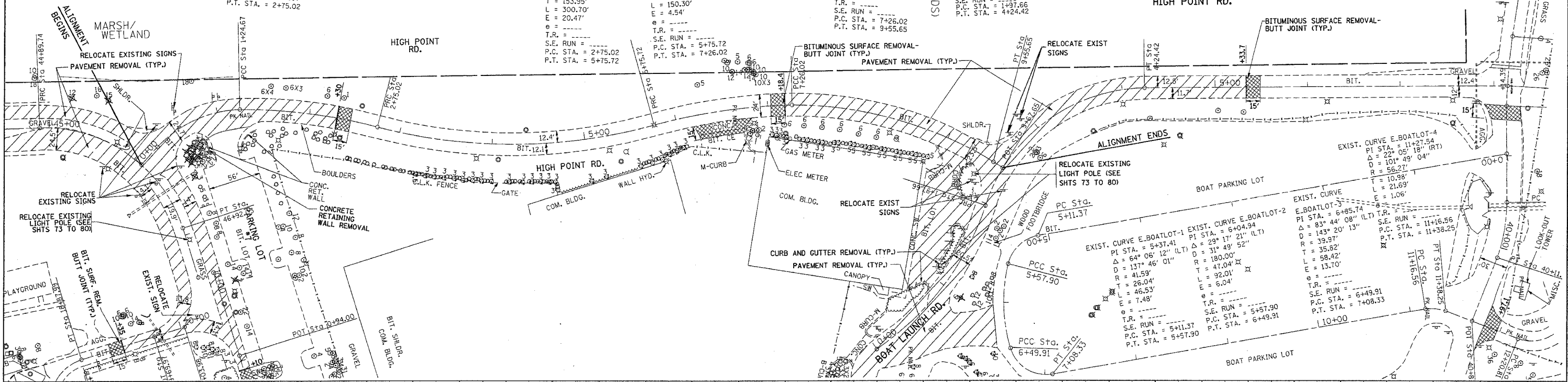
EXIST. CURVE E.HIGH-3
 PI STA. = 4+28.97
 Δ = 30° 17' 18" (LT)
 D = 10° 04' 22"
 R = 568.82'
 T = 153.95'
 L = 300.70'
 E = 20.47'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 2+75.02
 P.T. STA. = 5+75.72

EXIST. CURVE E.HIGH-4
 PI STA. = 6+51.23
 Δ = 13° 45' 53" (RT)
 D = 9° 09' 29"
 R = 625.63'
 T = 75.51'
 L = 150.30'
 E = 4.54'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 7+26.02
 P.T. STA. = 7+26.02

EXIST. CURVE E.HIGH-5
 PI STA. = 8+43.74
 Δ = 31° 05' 43" (RT)
 D = 13° 32' 30"
 R = 423.11'
 T = 117.72'
 L = 229.63'
 E = 16.07'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 7+26.02
 P.T. STA. = 9+55.65

EXIST. CURVE E.LAUNCH-2
 PI STA. = 3+28.14
 Δ = 70° 55' 19" (RT)
 D = 31° 16' 34"
 R = 183.19'
 T = 130.48'
 L = 226.76'
 E = 41.72'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 1+24.42
 P.T. STA. = 4+24.42

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	31
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS CONTRACT NO. 62745				
IDNR FILE NO. 2-03-025A				

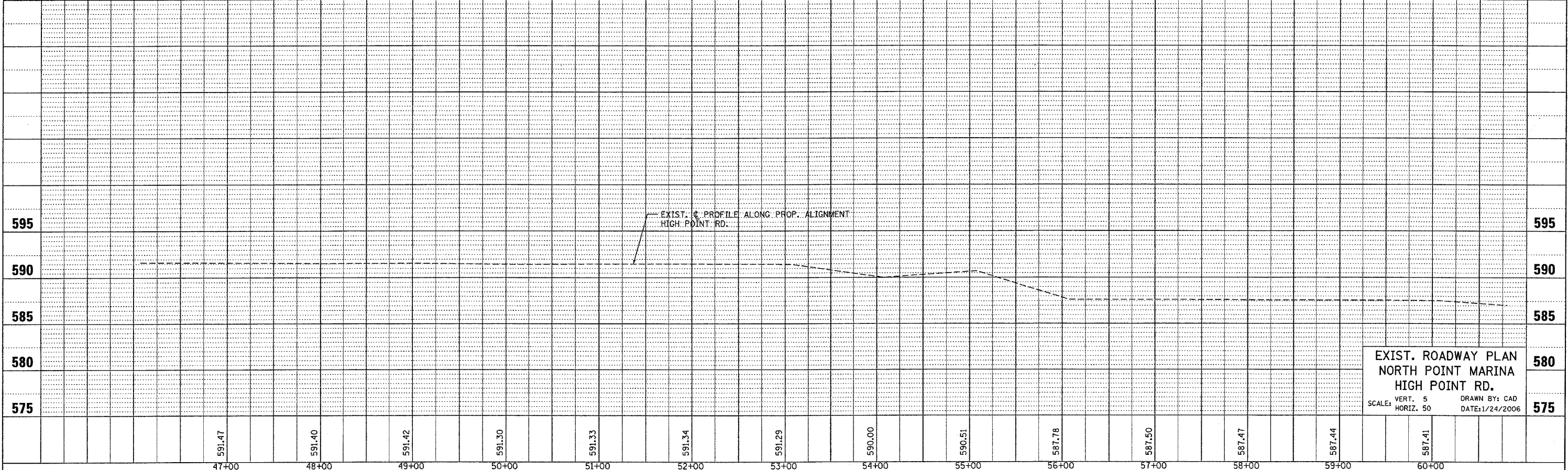


DATE	BY

PLAN
 DRAWN BY: []
 CHECKED BY: []
 DATE: []

DATE	BY

PROFILE
 DRAWN BY: []
 CHECKED BY: []
 DATE: []



EXIST. ROADWAY PLAN
 NORTH POINT MARINA
 HIGH POINT RD.

SCALE: VERT. 5' = 1'
 HORIZ. 1" = 50'

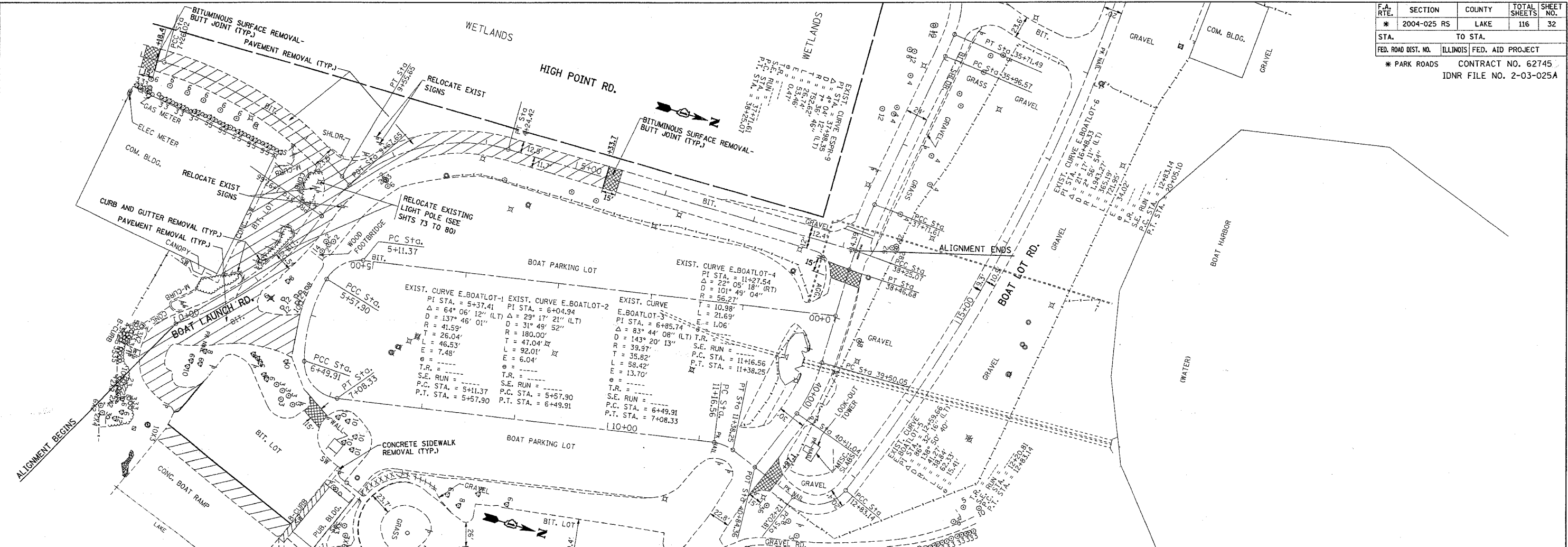
DRAWN BY: CAD
 DATE: 1/24/2006

*REF-topinch
*REF-plinch

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	ILLINOIS	116	32
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* PARK ROADS		CONTRACT NO. 62745		IDNR FILE NO. 2-03-025A

PLAN	DATE
BY	
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

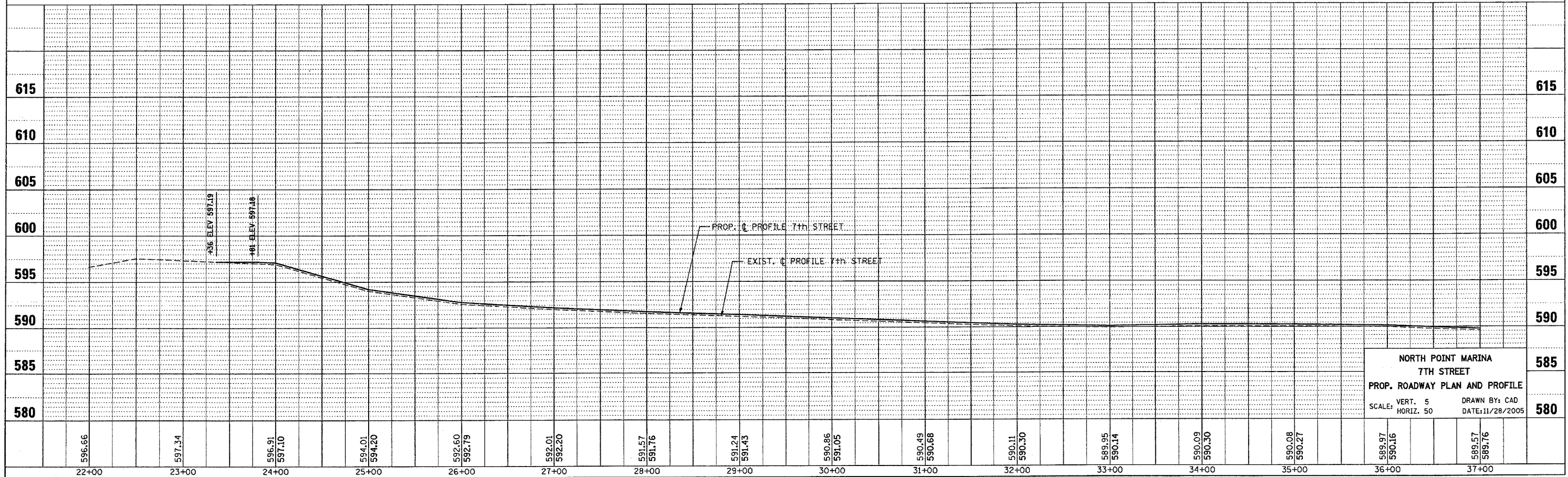
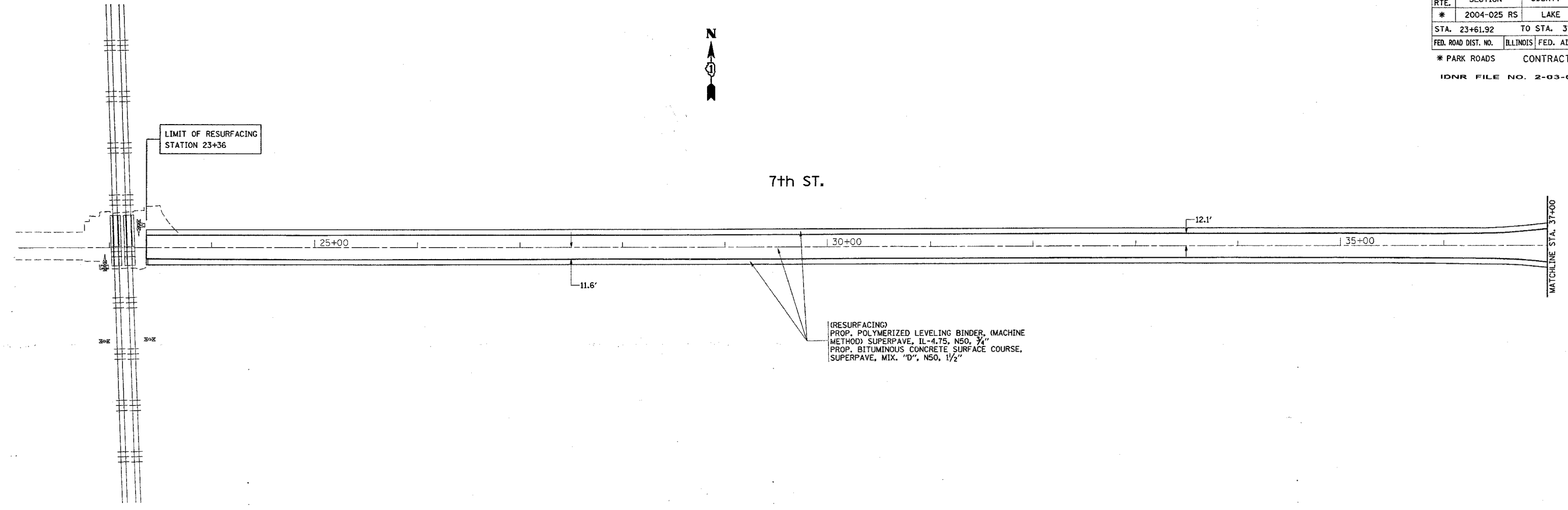
PROFILE	DATE
BY	
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	



EXIST. ROADWAY PLAN
NORTH POINT MARINA
BOAT LAUNCH RD.
SCALE: VERT. 5
HORIZ. 50
DRAWN BY: CAD
DATE: 1/25/2006

*REF-top7111
*REF-p7111

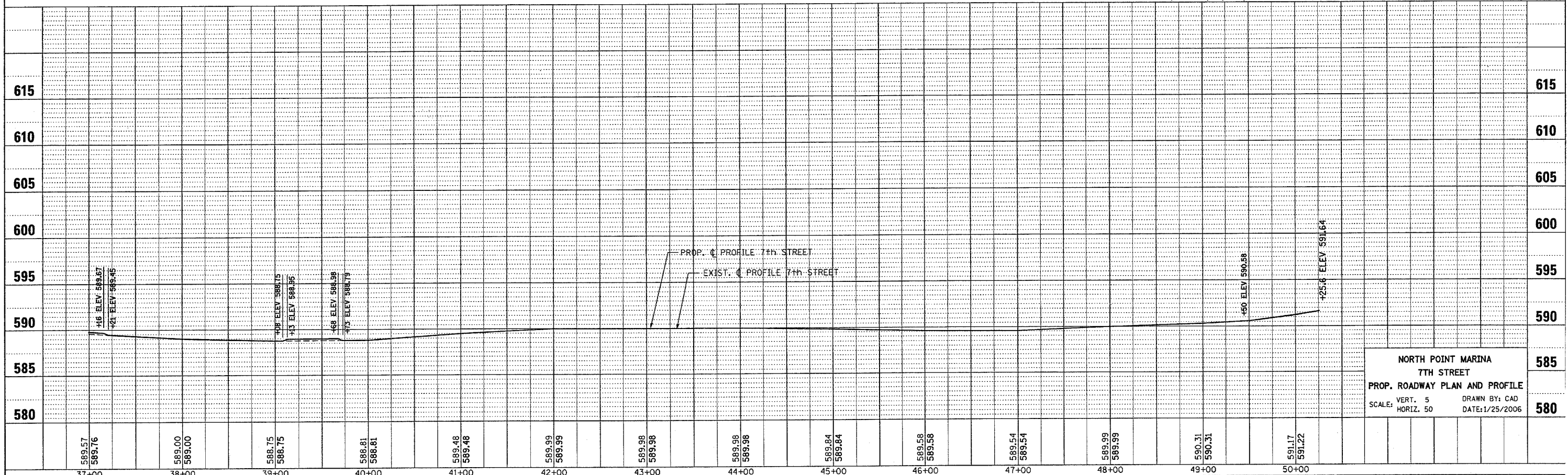
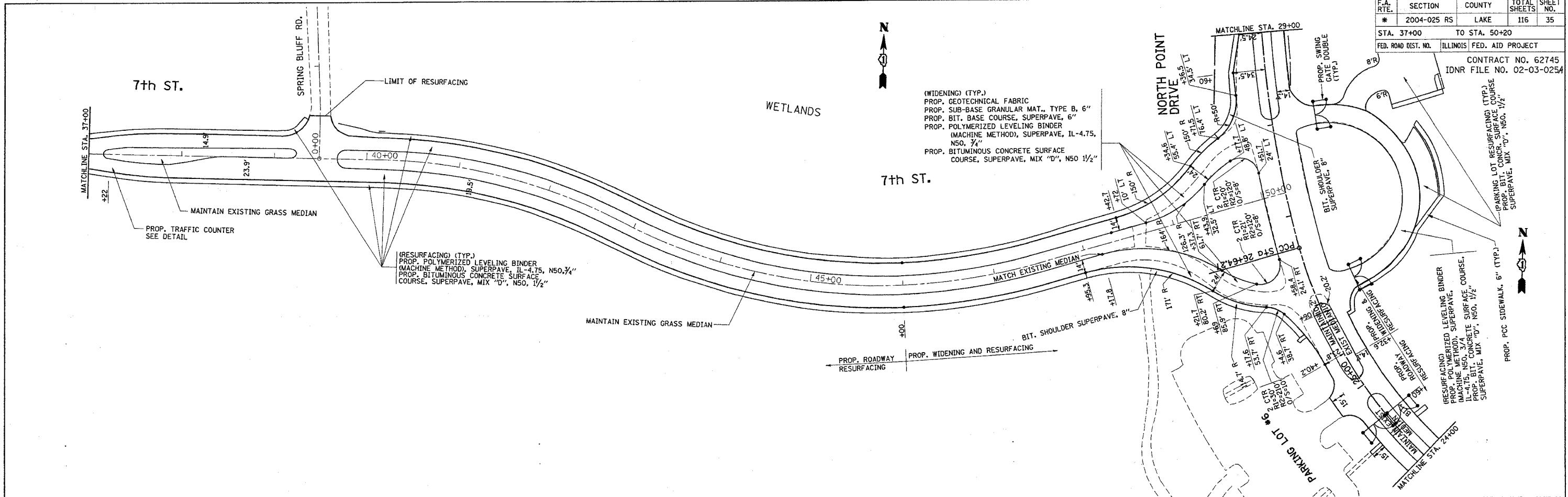
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	34
STA. 23+61.92		TO STA. 37+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



NORTH POINT MARINA
7TH STREET
PROP. ROADWAY PLAN AND PROFILE
SCALE: VERT. 5
HORIZ. 50
DRAWN BY: CAD
DATE: 11/28/2005

*REF-top71h2
*REF-p71h2

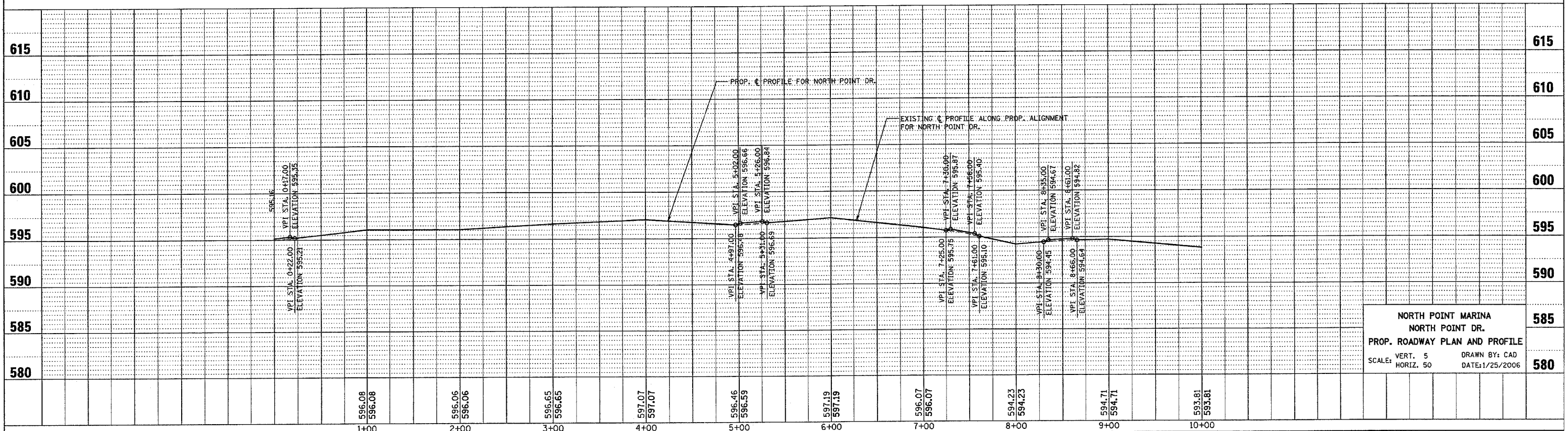
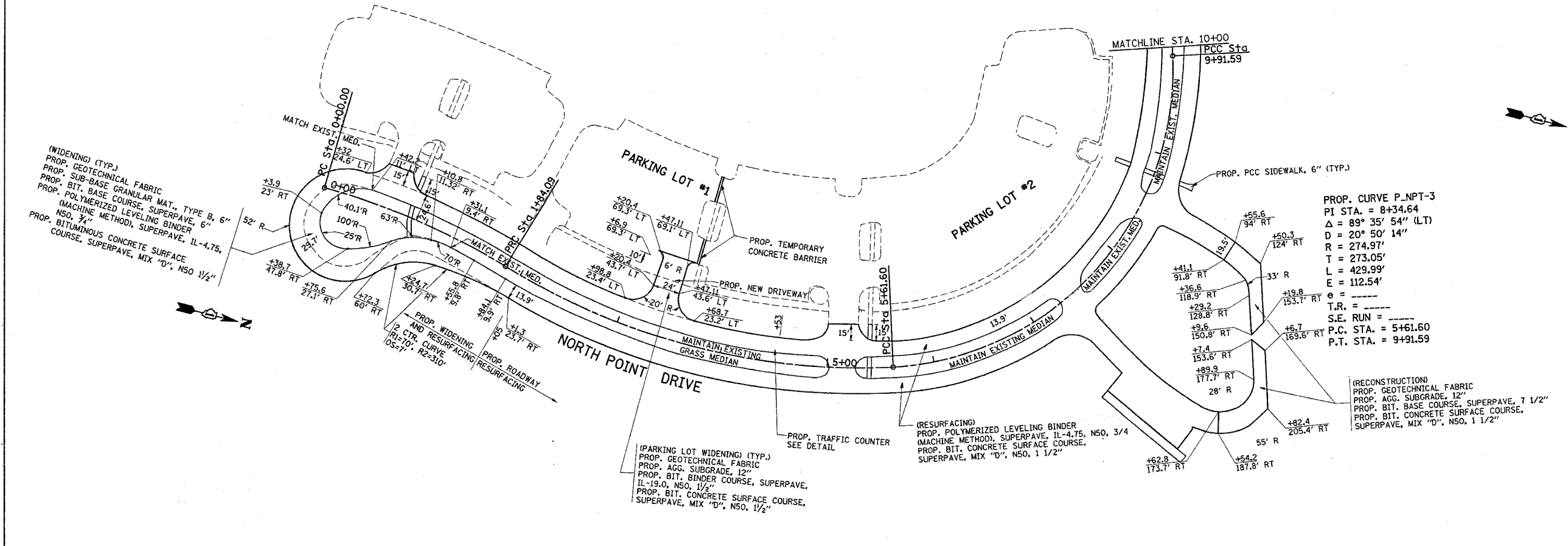
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	35
STA. 37+00		TO STA. 50+20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 62745		
		IDNR FILE NO. 02-03-0254		



NORTH POINT MARINA
7TH STREET
PROP. ROADWAY PLAN AND PROFILE
SCALE: VERT. 5 DRAWN BY: CAD
 HORIZ. 50 DATE: 1/25/2006

*REF-topnpt
*REF-pfnpt

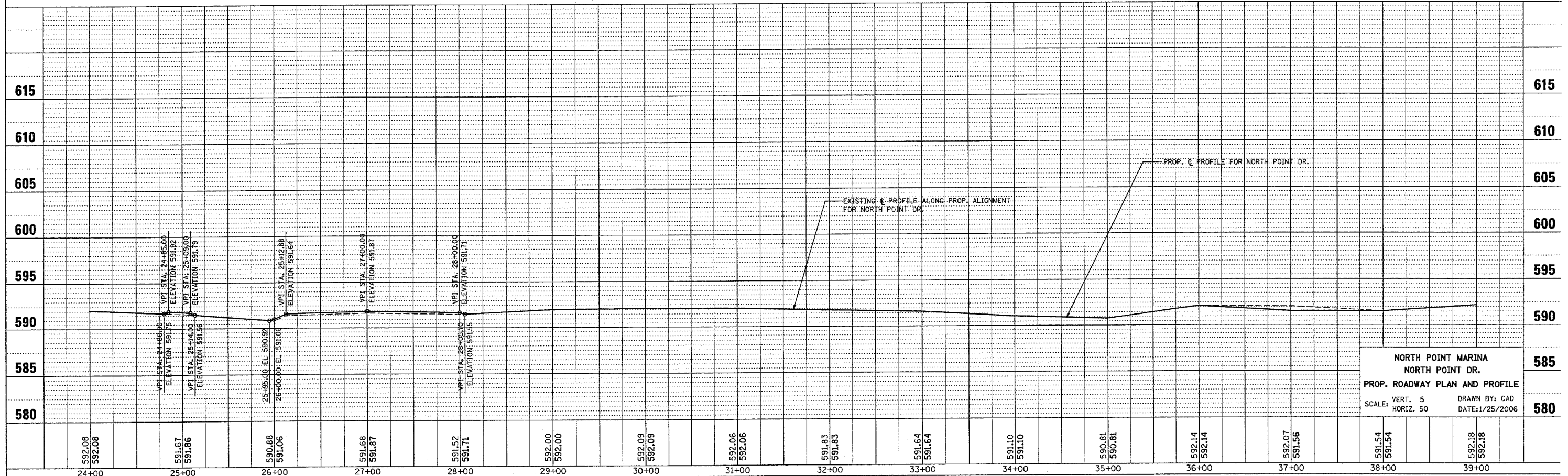
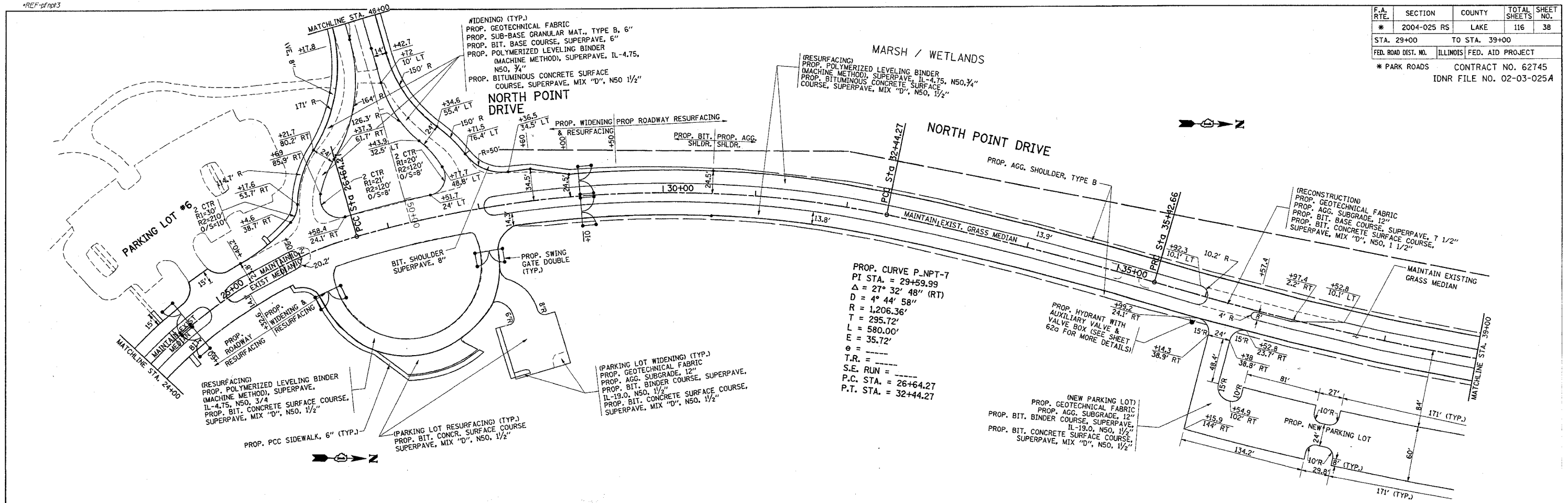
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	ILLINOIS	116	36
STA. 0+00		TO STA. 9+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 02-03-025A				



NORTH POINT MARINA
 NORTH POINT DR.
 PROP. ROADWAY PLAN AND PROFILE
 SCALE: VERT. 5 DRAWN BY: CAD
 HORIZ. 50 DATE: 1/25/2006

*REF-topnpt3
*REF-plnpt3

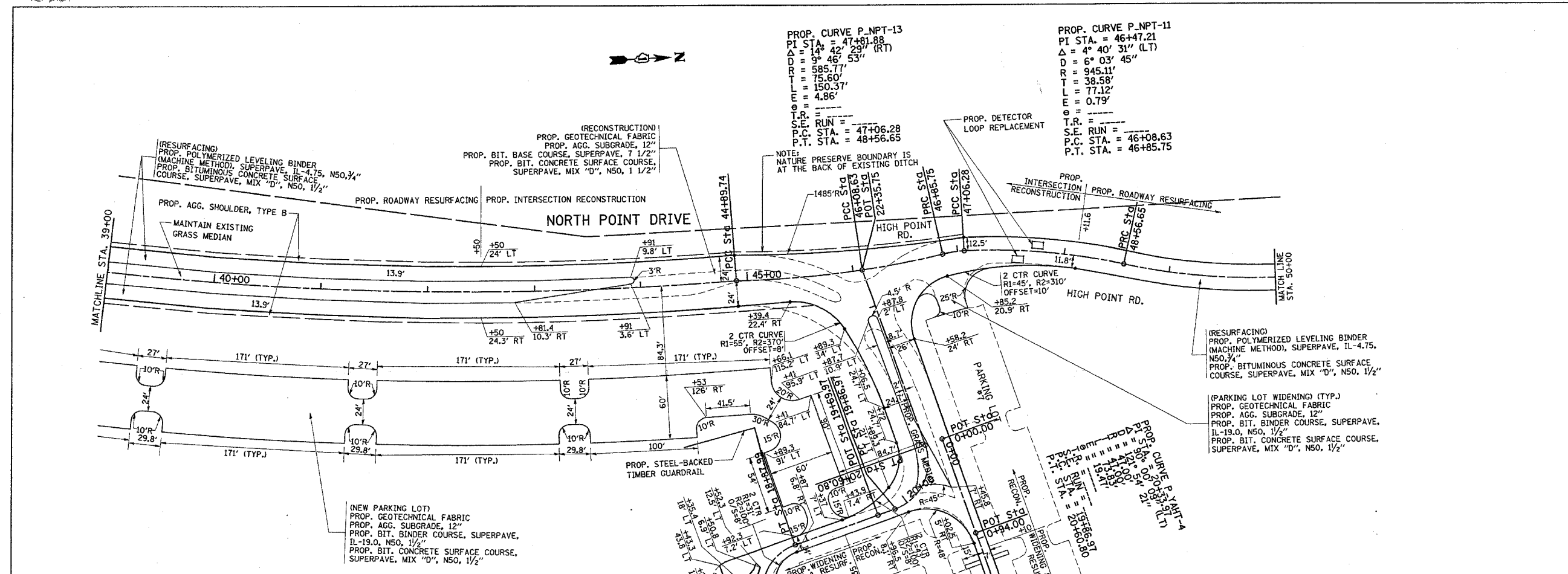
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	38
STA. 29+00		TO STA. 39+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
		IDNR FILE NO. 02-03-025A		



**NORTH POINT MARINA
NORTH POINT DR.
PROP. ROADWAY PLAN AND PROFILE**
 SCALE: VERT. 5 DRAWN BY: CAD
 HORIZ. 50 DATE: 1/25/2006

*REF-topnpt4
 *REF-plnpt4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	LAKE	116	39
STA. 39+00 TO STA. 50+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* PARK ROADS CONTRACT NO. 62745				
IDNR FILE NO. 02-03-025A				

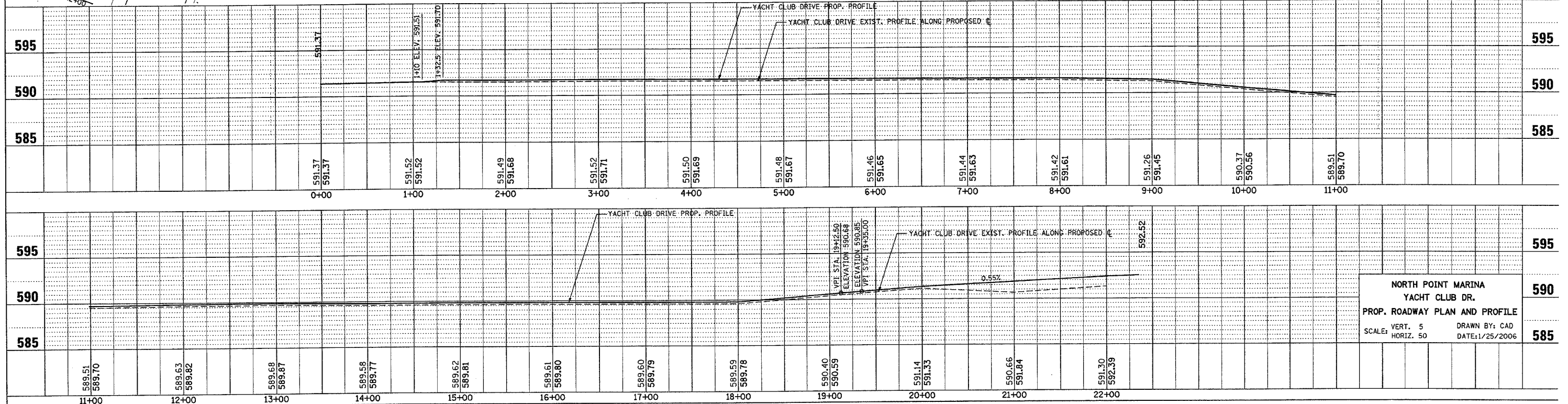
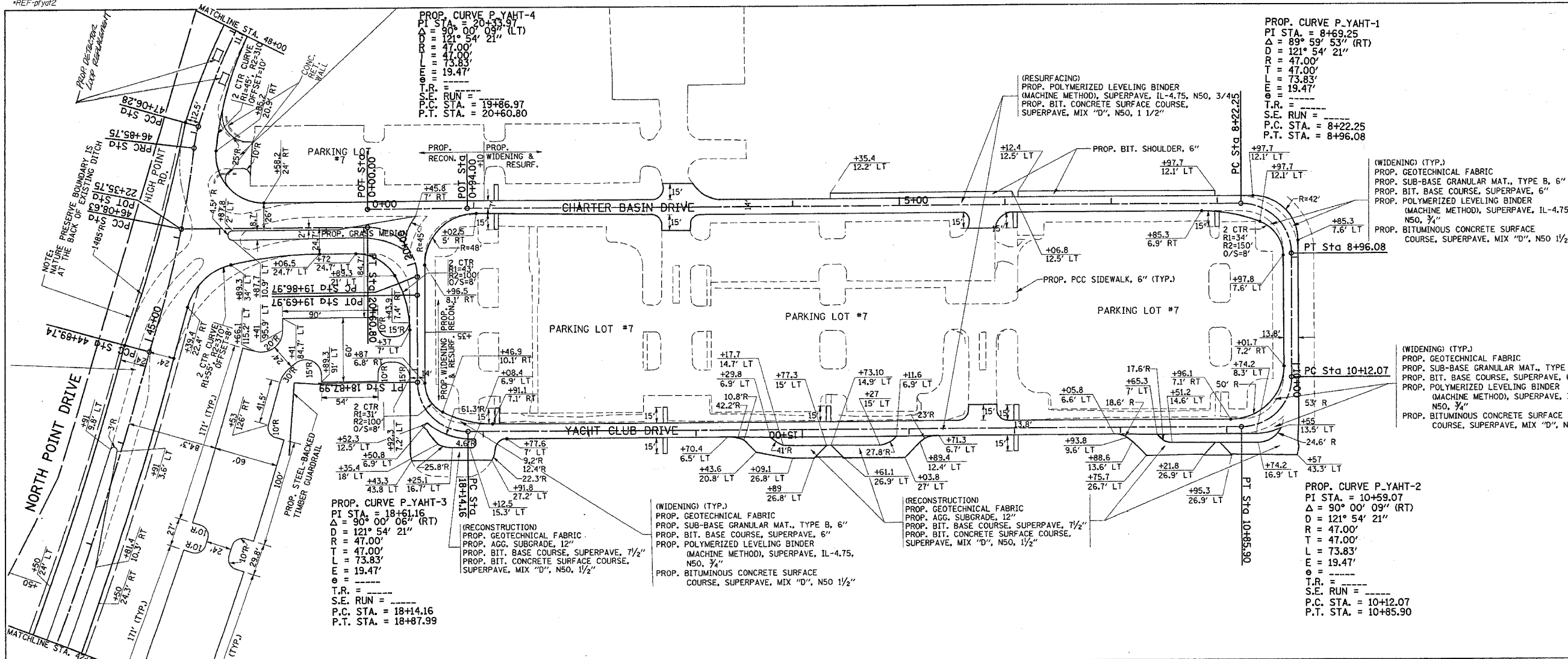


Profile Station	Elevation	Profile Station	Elevation
615		615	
610		610	
605		605	
600		600	
595		595	
590		590	
585		585	
580		580	

NORTH POINT MARINA
 NORTH POINT DR.
 PROP. ROADWAY PLAN AND PROFILE
 SCALE: VERT. 5 DRAWN BY: CAD
 HORIZ. 50 DATE: 1/24/2006

*REF-topcat
 *REF-pfyat1
 *REF-pfyat1a
 *REF-pfyat2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE		116	40
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
		IDNR FILE NO. 02-03-025A		



*REF-top of pt
*REF-of Mid

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	ILLINOIS	116	41
STA. 50+00 TO STA. 59+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROP. CURVE P-NPT-13
PI STA. = 47+81.88
 $\Delta = 14^\circ 42' 29''$ (RT)
D = 9° 46' 53"
R = 585.77'
T = 75.60'
L = 150.37'
E = 4.86'
S.E. RUN =
P.C. STA. = 47+06.28
P.T. STA. = 48+56.65

PROP. CURVE P-NPT-11
PI STA. = 46+47.21
 $\Delta = 4^\circ 40' 31''$ (LT)
D = 6° 03' 45"
R = 945.11'
T = 38.58'
L = 77.12'
E = 0.79'
S.E. RUN =
P.C. STA. = 46+08.63
P.T. STA. = 46+85.75

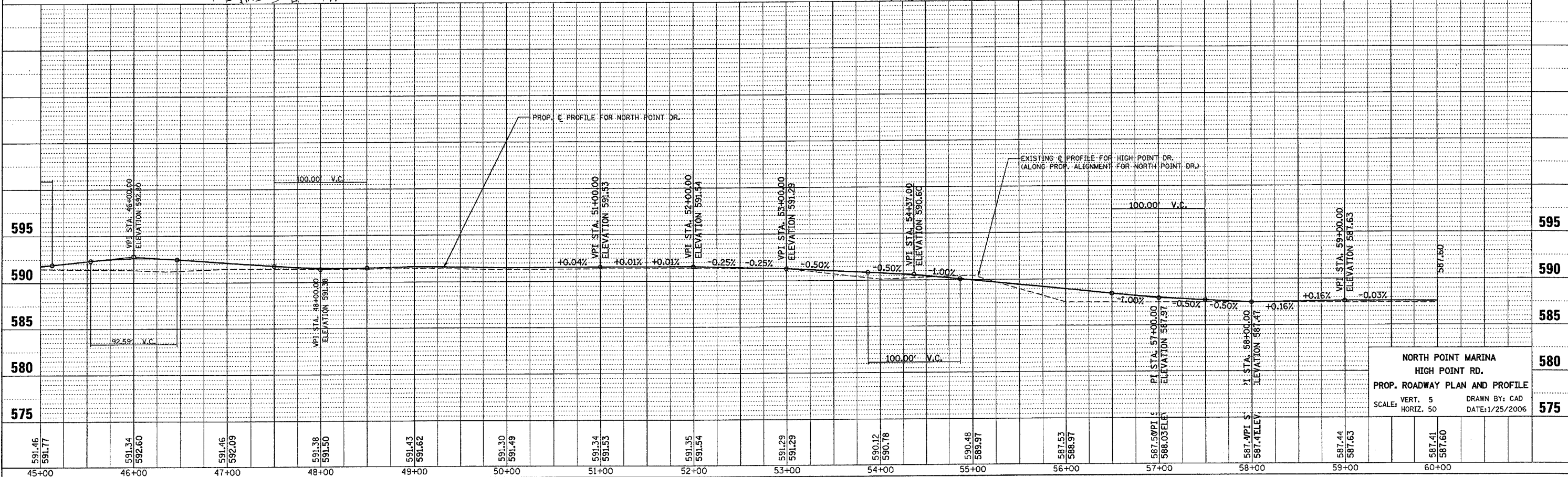
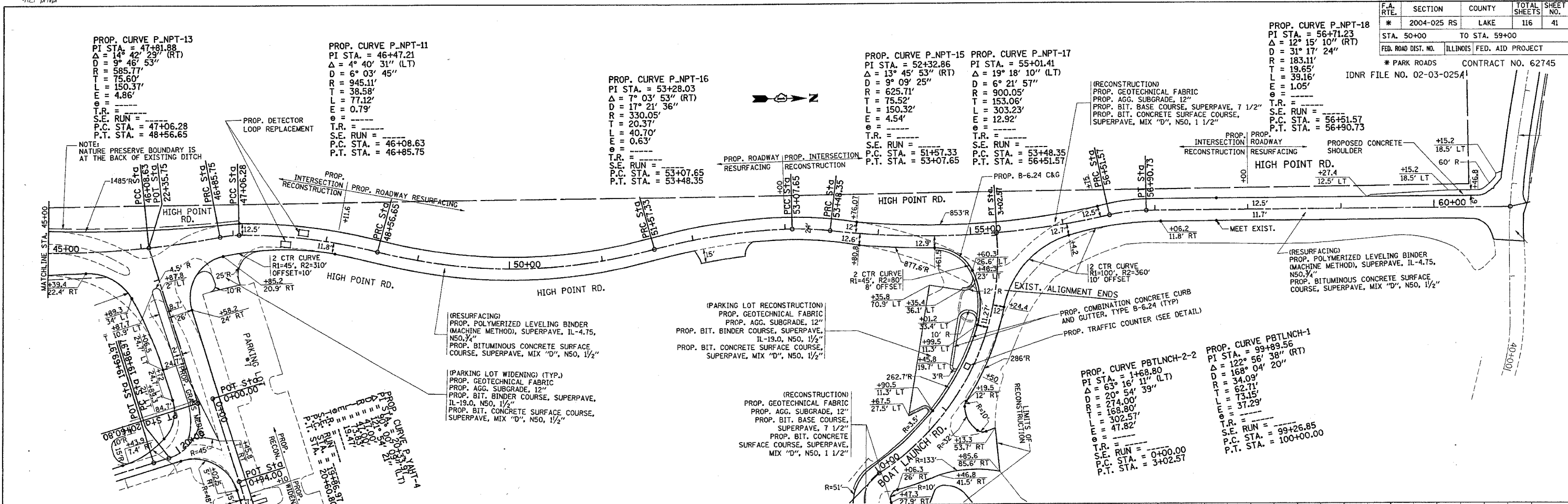
PROP. CURVE P-NPT-16
PI STA. = 53+28.03
 $\Delta = 7^\circ 03' 53''$ (RT)
D = 17° 21' 36"
R = 330.05'
T = 20.37'
L = 40.70'
E = 0.63'
S.E. RUN =
P.C. STA. = 53+07.65
P.T. STA. = 53+48.35

PROP. CURVE P-NPT-15
PI STA. = 52+32.86
 $\Delta = 13^\circ 45' 53''$ (RT)
D = 9° 09' 25"
R = 625.71'
T = 75.52'
L = 150.32'
E = 4.54'
S.E. RUN =
P.C. STA. = 51+57.33
P.T. STA. = 53+07.65

PROP. CURVE P-NPT-17
PI STA. = 55+01.41
 $\Delta = 19^\circ 18' 10''$ (LT)
D = 6° 21' 57"
R = 900.05'
T = 153.06'
L = 303.23'
E = 12.92'
S.E. RUN =
P.C. STA. = 53+48.35
P.T. STA. = 56+51.57

PROP. CURVE P-NPT-18
PI STA. = 56+71.23
 $\Delta = 12^\circ 15' 10''$ (RT)
D = 31° 17' 24"
R = 183.11'
T = 19.65'
L = 39.16'
E = 1.05'
S.E. RUN =
P.C. STA. = 56+51.57
P.T. STA. = 56+90.73

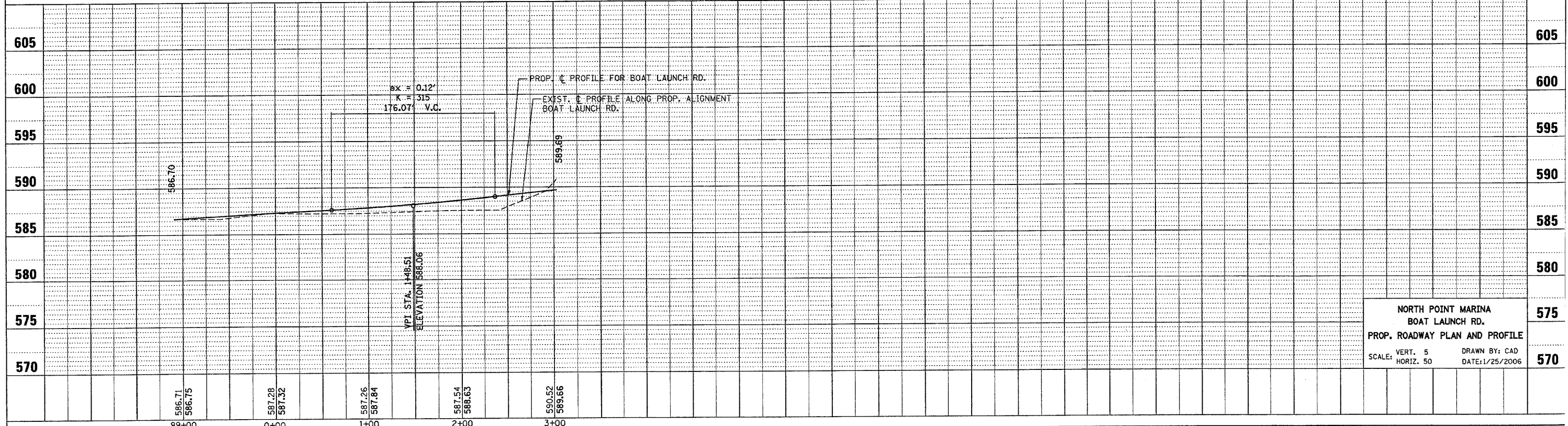
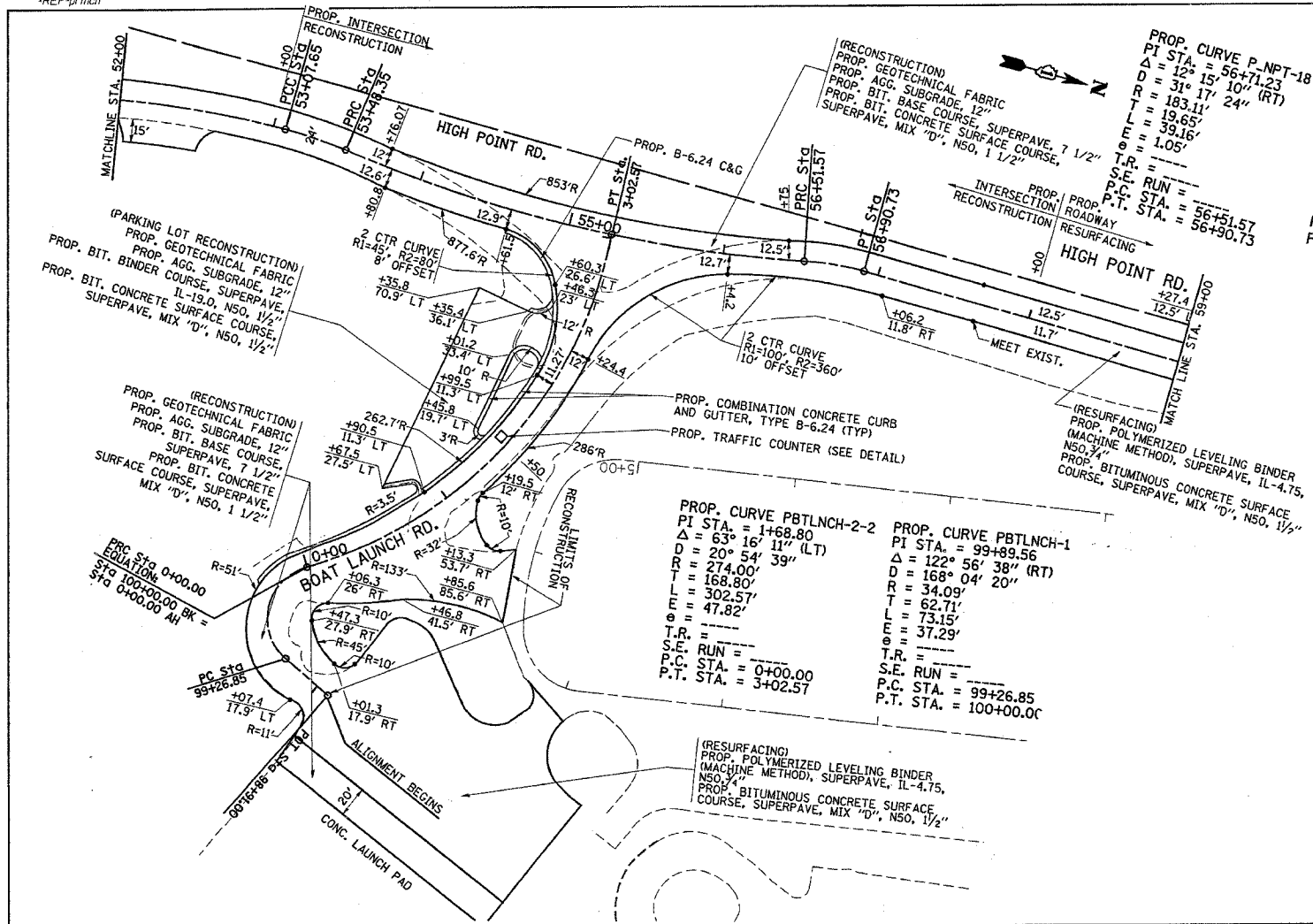
* PARK ROADS CONTRACT NO. 62745
IDNR FILE NO. 02-03-025A1



NORTH POINT MARINA
HIGH POINT RD.
PROP. ROADWAY PLAN AND PROFILE
SCALE: VERT. 5
HORIZ. 50
DRAWN BY: CAD
DATE: 1/25/2006

*REF-top/inch
*REF-pf/inch

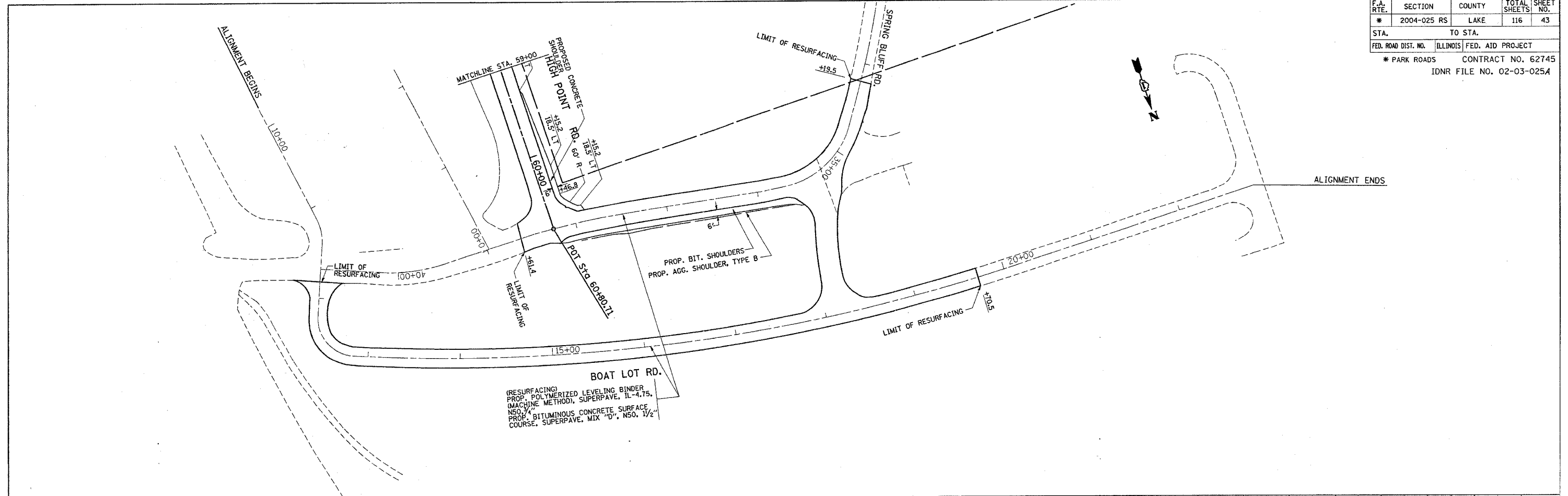
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
		IDNR FILE NO. 02-03-025A		



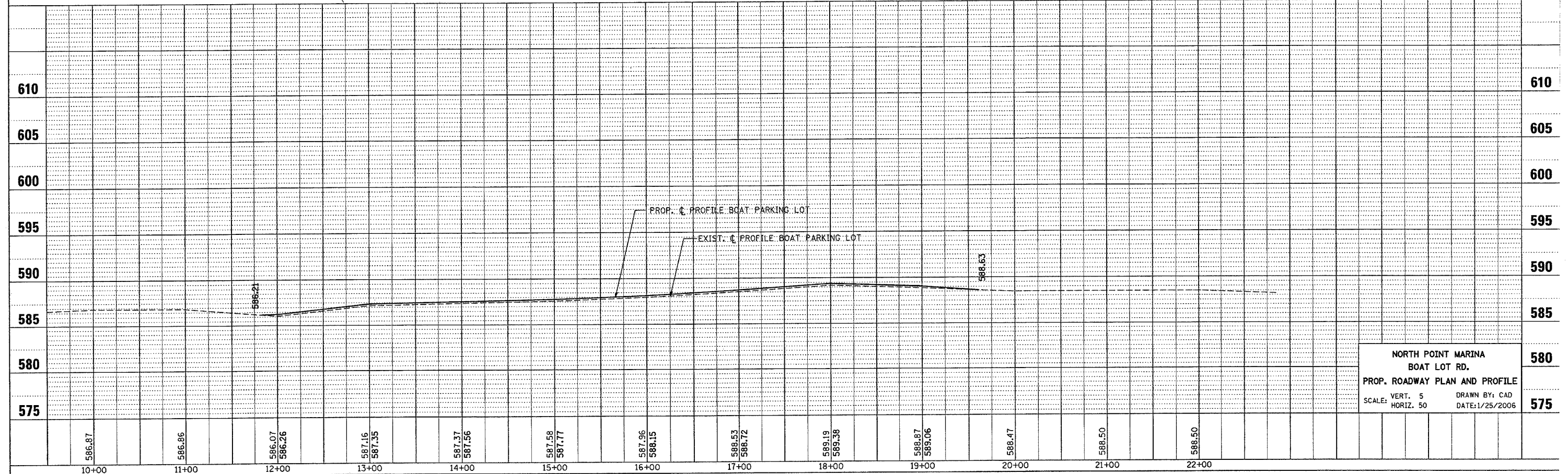
NORTH POINT MARINA
 BOAT LAUNCH RD.
 PROP. ROADWAY PLAN AND PROFILE
 SCALE: VERT. 5
 HORIZ. 50
 DRAWN BY: CAD
 DATE: 1/25/2006

*REF-topblot
*REF-ptblot

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	43
STA. 100+00		TO STA. 20+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 02-03-025A				



(RESURFACING)
PROP. POLYMERIZED LEVELING BINDER
(MACHINE METHOD), SUPERPAVE, IL-4.75,
NSO, 1/2"
PROP. BITUMINOUS CONCRETE SURFACE,
PROP. MIX "D", NSO, 1 1/2"
COURSE, SUPERPAVE, MIX "D", NSO, 1 1/2"

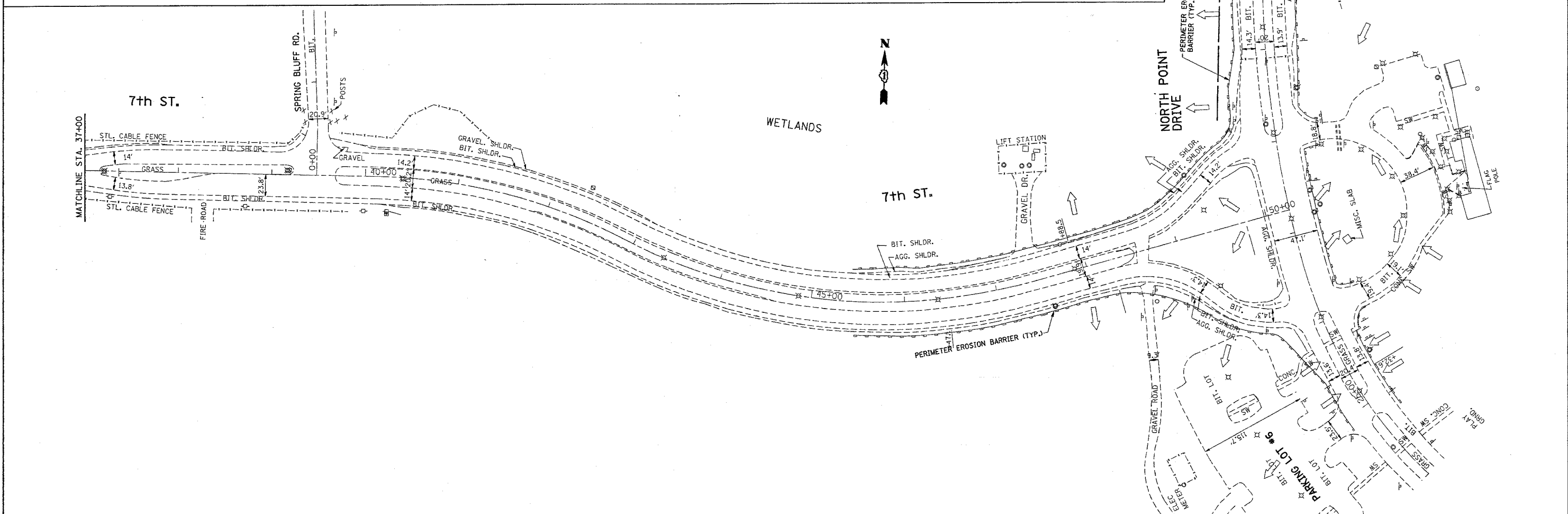
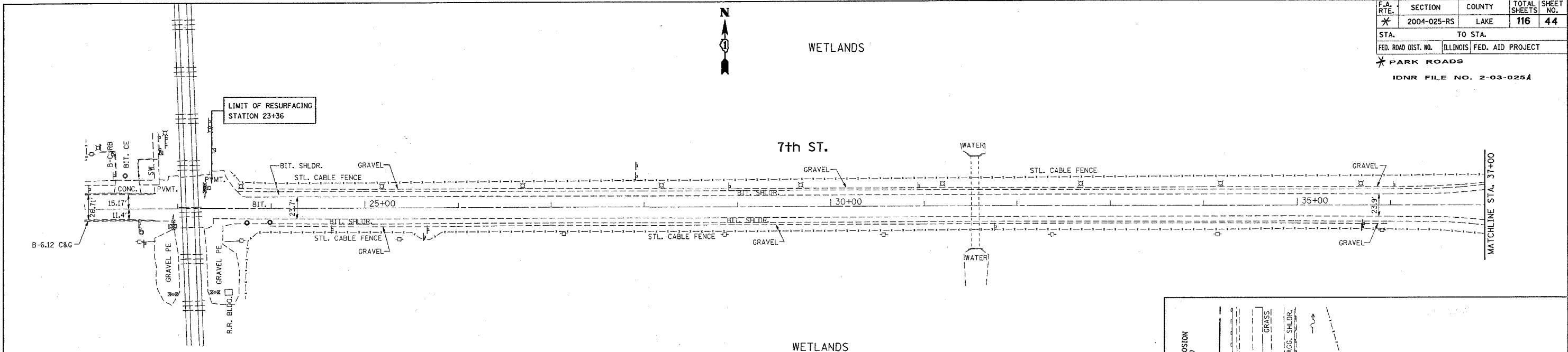


NORTH POINT MARINA
BOAT LOT RD.
PROP. ROADWAY PLAN AND PROFILE
SCALE: VERT. 5 DRAWN BY: CAD
 HORIZ. 50 DATE: 1/25/2006

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	44

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

* PARK ROADS
IDNR FILE NO. 2-03-025A



REVISIONS	
NAME	DATE

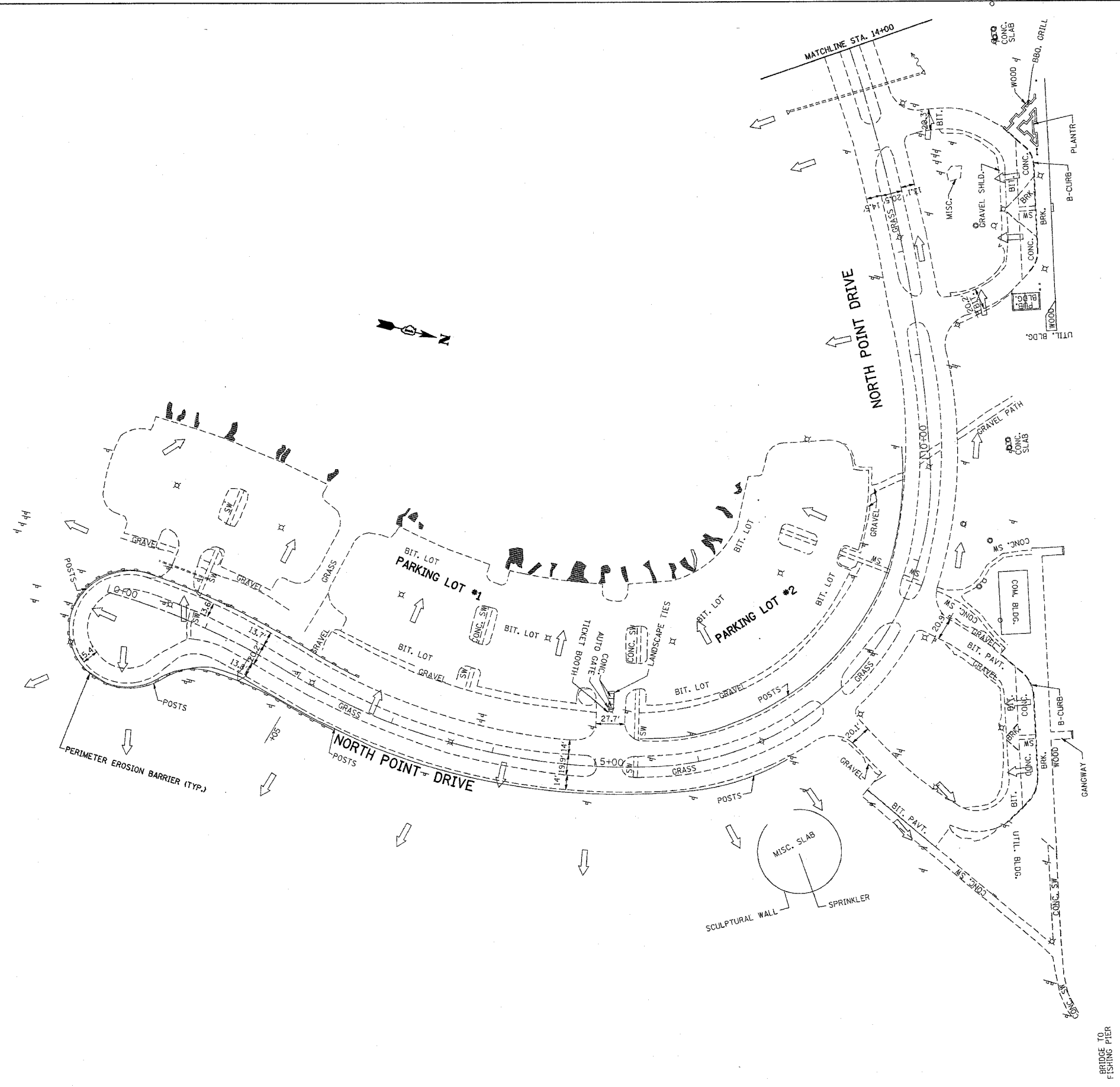
ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL PLAN
NORTH POINT MARINA
NORTH POINT DR.
VERT. SCALE: 1"=50'
HORIZ. SCALE: 1"=50'
DATE: 12/29/2005
DRAWN BY
CHECKED BY

PLOT DATE = 12/29/2005
FILE NAME = \\cvc\users\j134102\ah.mccusker.dgn
PLOT SCALE = 50.000000 / IN.
USER NAME = speelman04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	45

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

* PARK ROADS
IDNR FILE NO. 2-03-025A



REVISIONS	
NAME	DATE

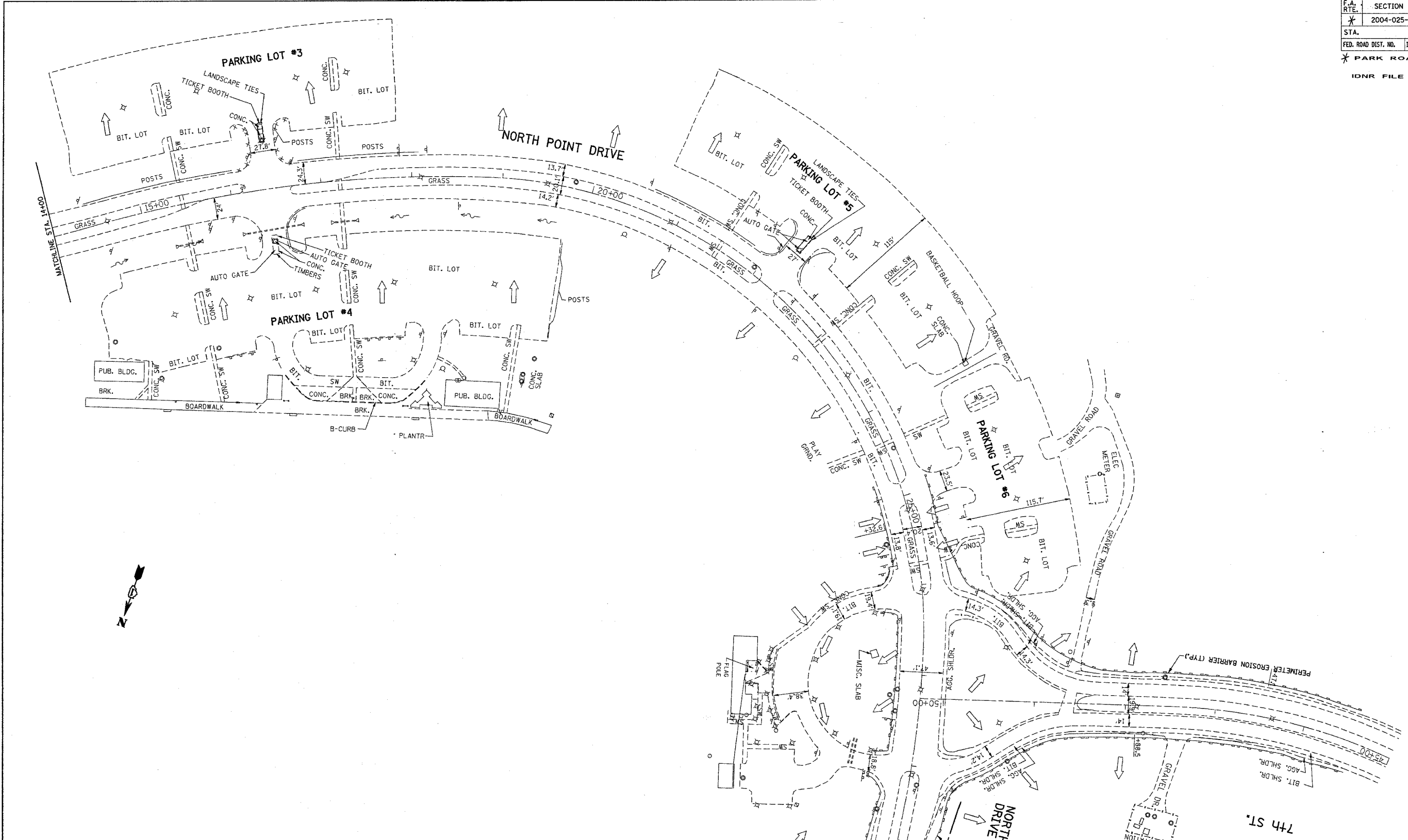
ILLINOIS DEPARTMENT OF TRANSPORTATION
**EROSION CONTROL PLAN
NORTH POINT MARINA
NORTH POINT DR.**
VERT. SCALE: 1"=50'
HORIZ. SCALE: 1"=50'
DATE: 12/29/2005
DRAWN BY: _____
CHECKED BY: _____

PLOT DATE = 12/29/2005
FILE NAME = c:\projects\2004\025\025a\erocn.dgn
PLOT SCALE = 1/8"=1'-0" / IN.
USER NAME = pglennost

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	46

STA.	TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * PARK ROADS
 IDNR FILE NO. 2-03-025A



PLOT DATE = 12/29/2005
 FILE NAME = c:\p\projects\p134482\ah_erosion.dgn
 PLOT SCALE = 50.000000 7 IN.
 USER NAME = gregmcdot

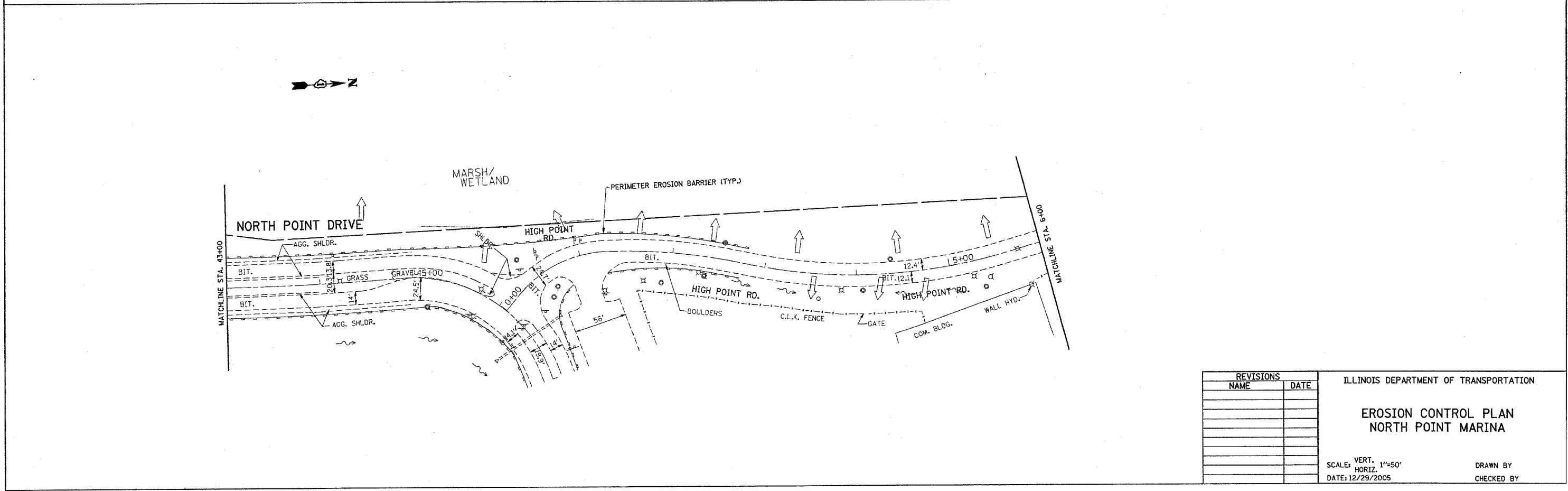
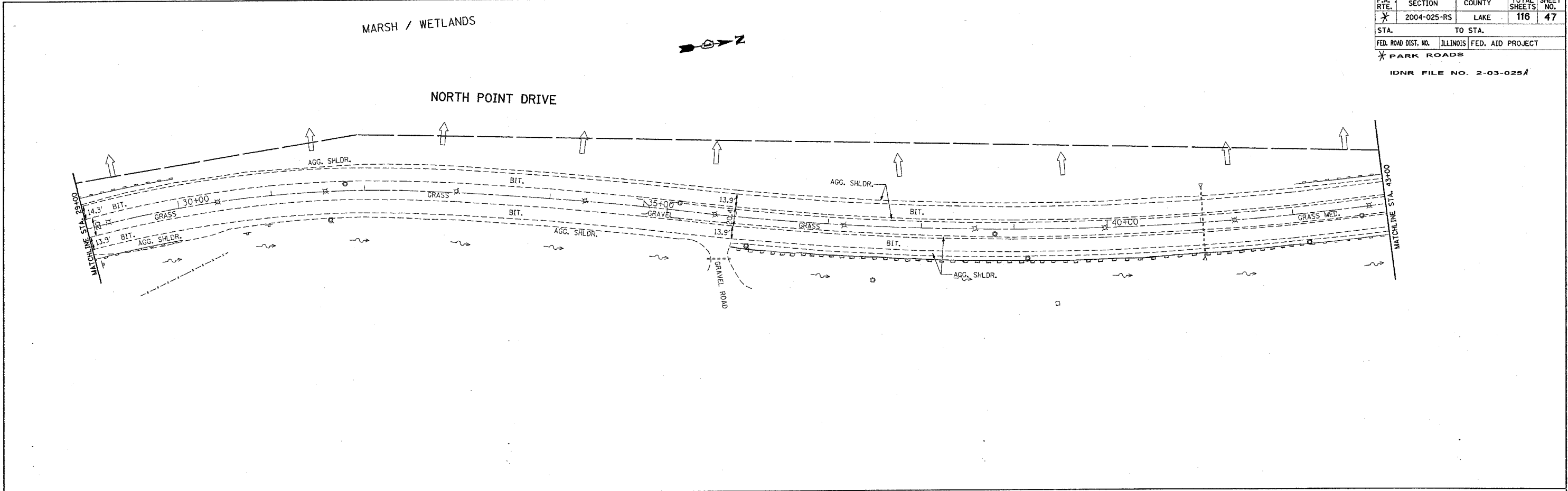
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL PLAN
NORTH POINT MARINA
NORTH POINT DR.
 SCALE: VERT. 1"=50'
 HORIZ.
 DATE: 12/29/2005
 DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	47

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

* PARK ROADS
 IDNR FILE NO. 2-03-025A



PLOT DATE = 12/29/2005
 FILE NAME = s:\projects\2004\025\erocn\erocn.dgn
 USER NAME = gplianobt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**EROSION CONTROL PLAN
 NORTH POINT MARINA**

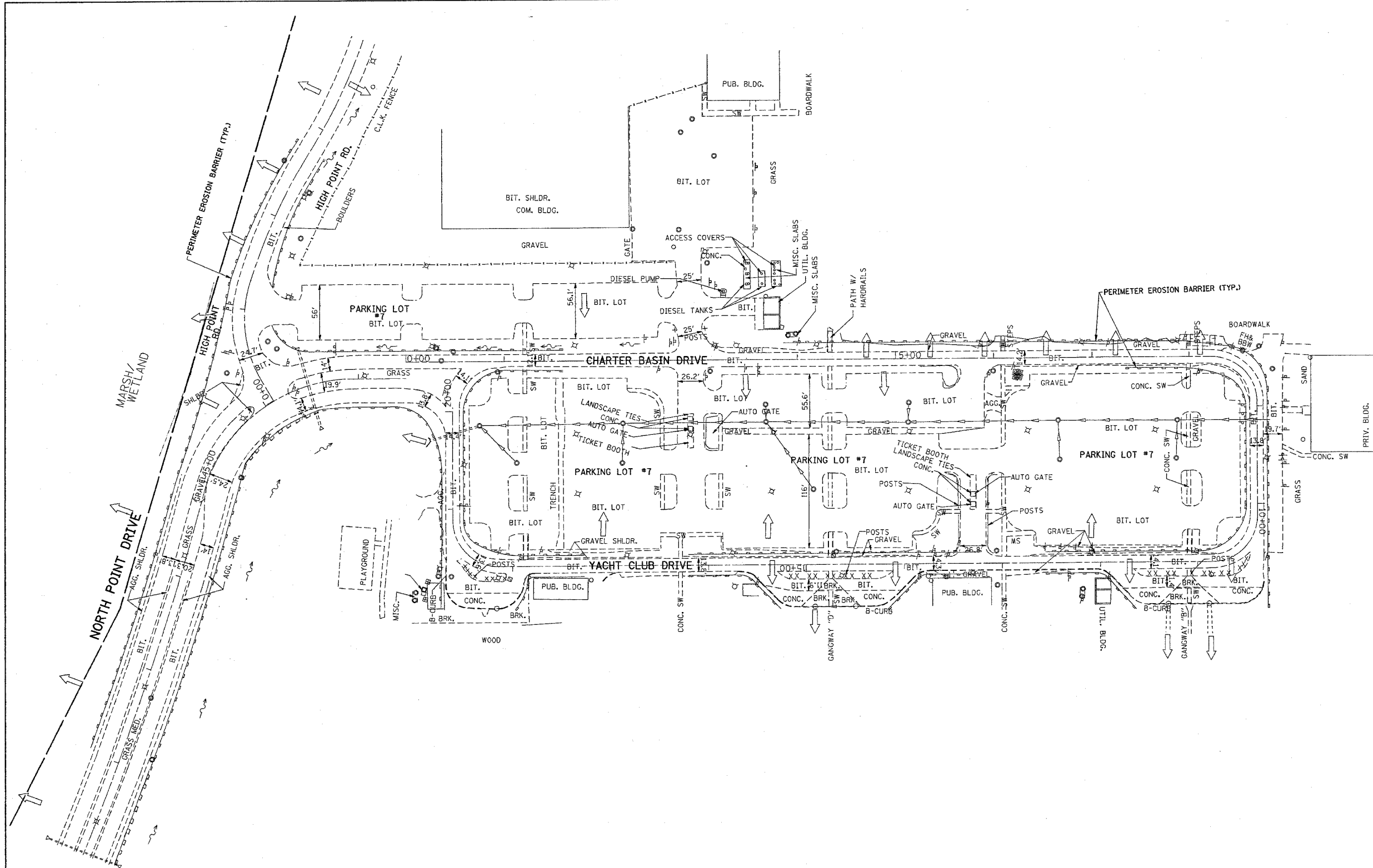
SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE: 12/29/2005

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	48

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

* PARK ROADS
IDNR FILE NO. 2-03-025A



PLOT DATE = 12/29/2005
FILE NAME = c:\pcc\erecta\34482\ah_erosion.dgn
PLOT SCALE = 5/8"=1'-0"
USER NAME = gajlarobt

REVISIONS	
NAME	DATE

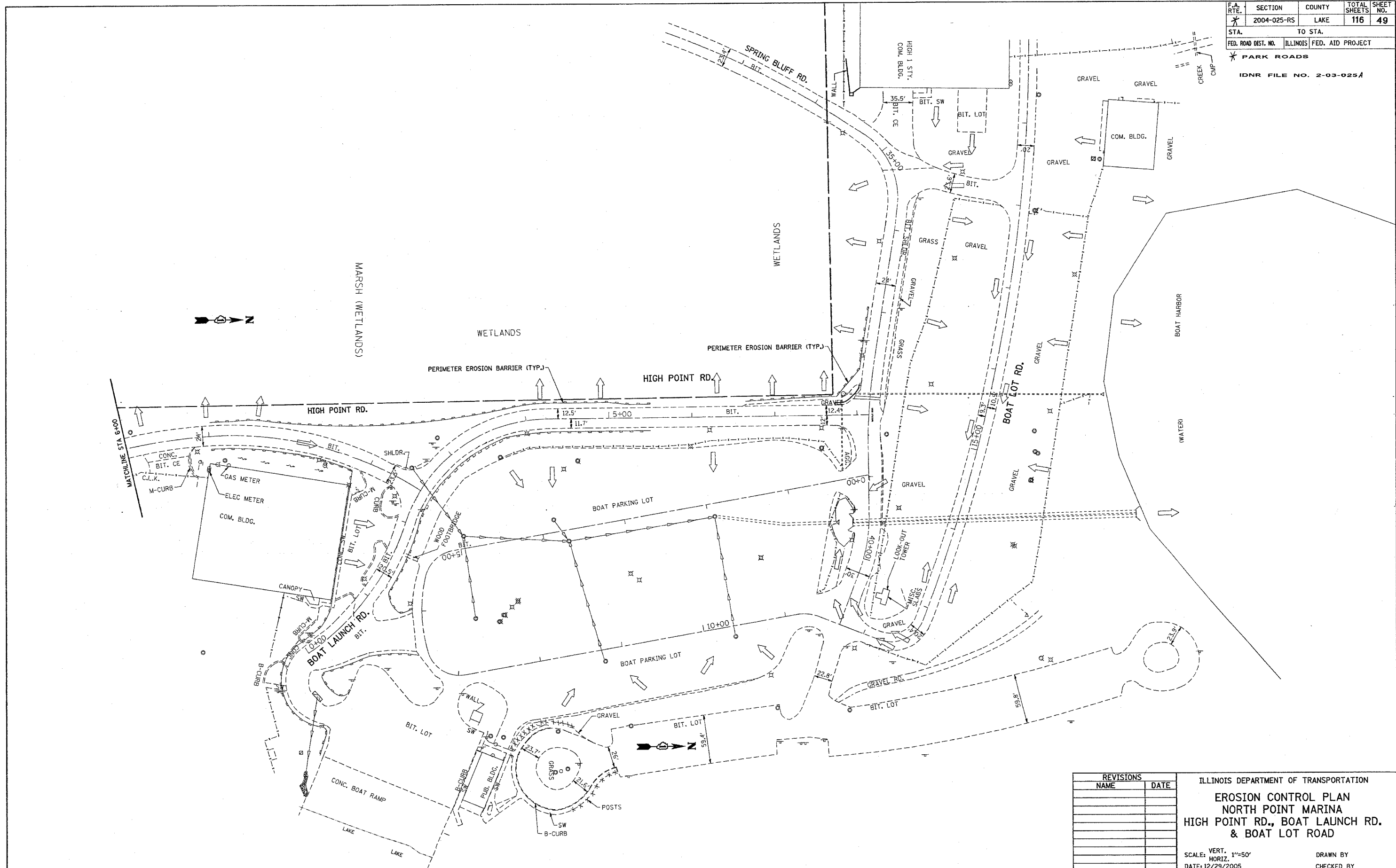
ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL PLAN
NORTH POINT MARINA
YACHT CLUB DRIVE

SCALE: VERT. 1"=50'
HORIZ. DATE: 12/29/2005

DRAWN BY
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	49
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* PARK ROADS
IDNR FILE NO. 2-03-025A



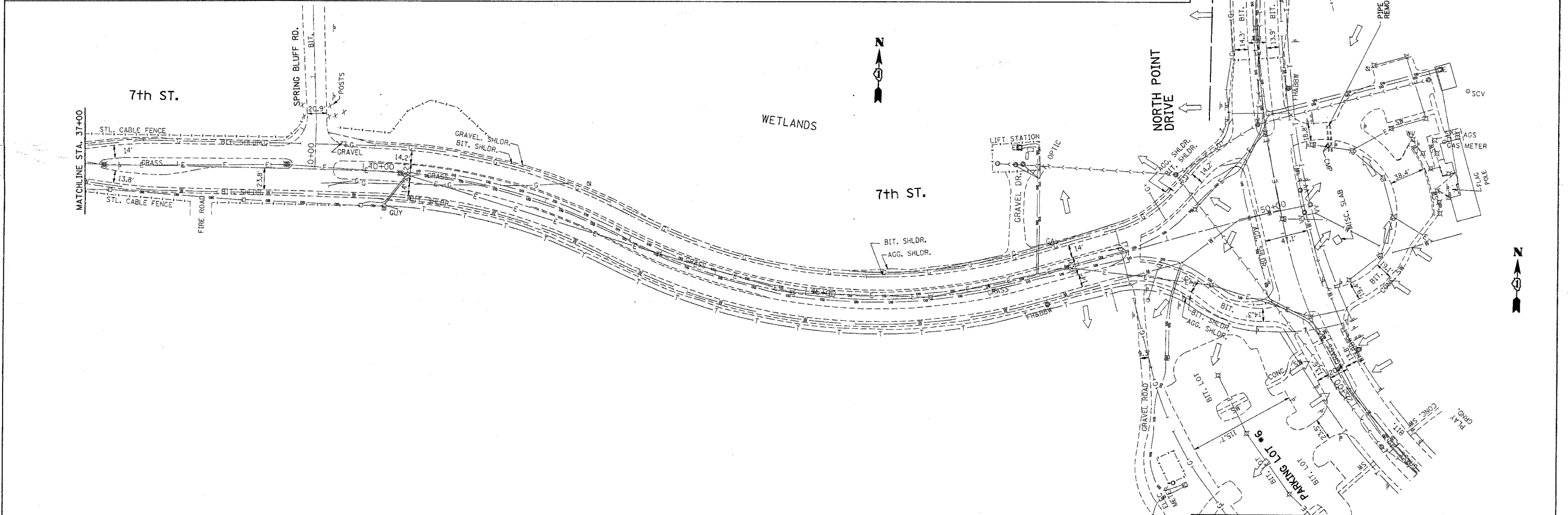
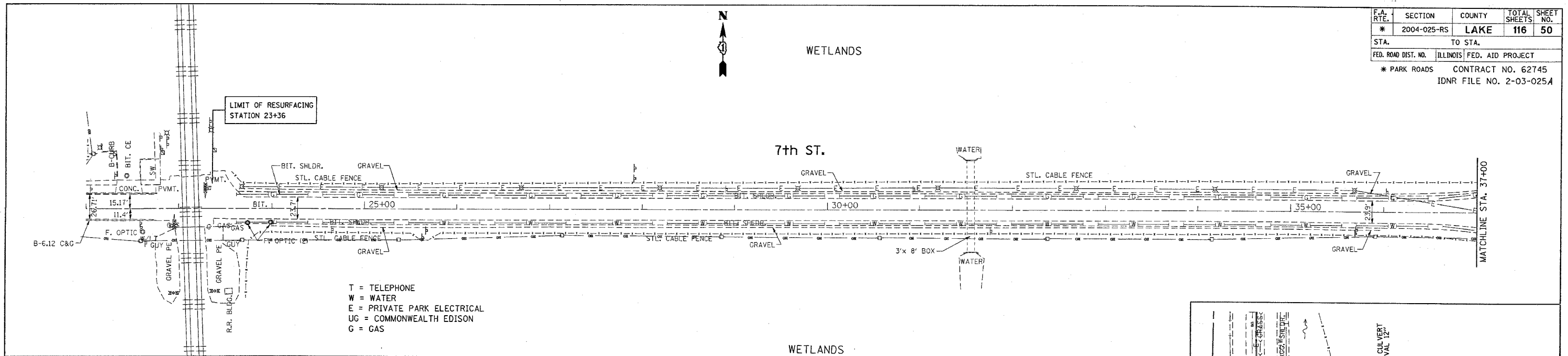
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FILE NAME = c:\projects\62745\34482_ah_ar-erosion.dgn
PLOT SCALE = 0.000000 / IN.
USER NAME = gajlino

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL PLAN
NORTH POINT MARINA
HIGH POINT RD., BOAT LAUNCH RD.
& BOAT LOT ROAD

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE: 12/29/2005

DRAWN BY
CHECKED BY



T = TELEPHONE
 W = WATER
 E = PRIVATE PARK ELECTRICAL
 UG = COMMONWEALTH EDISON
 G = GAS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

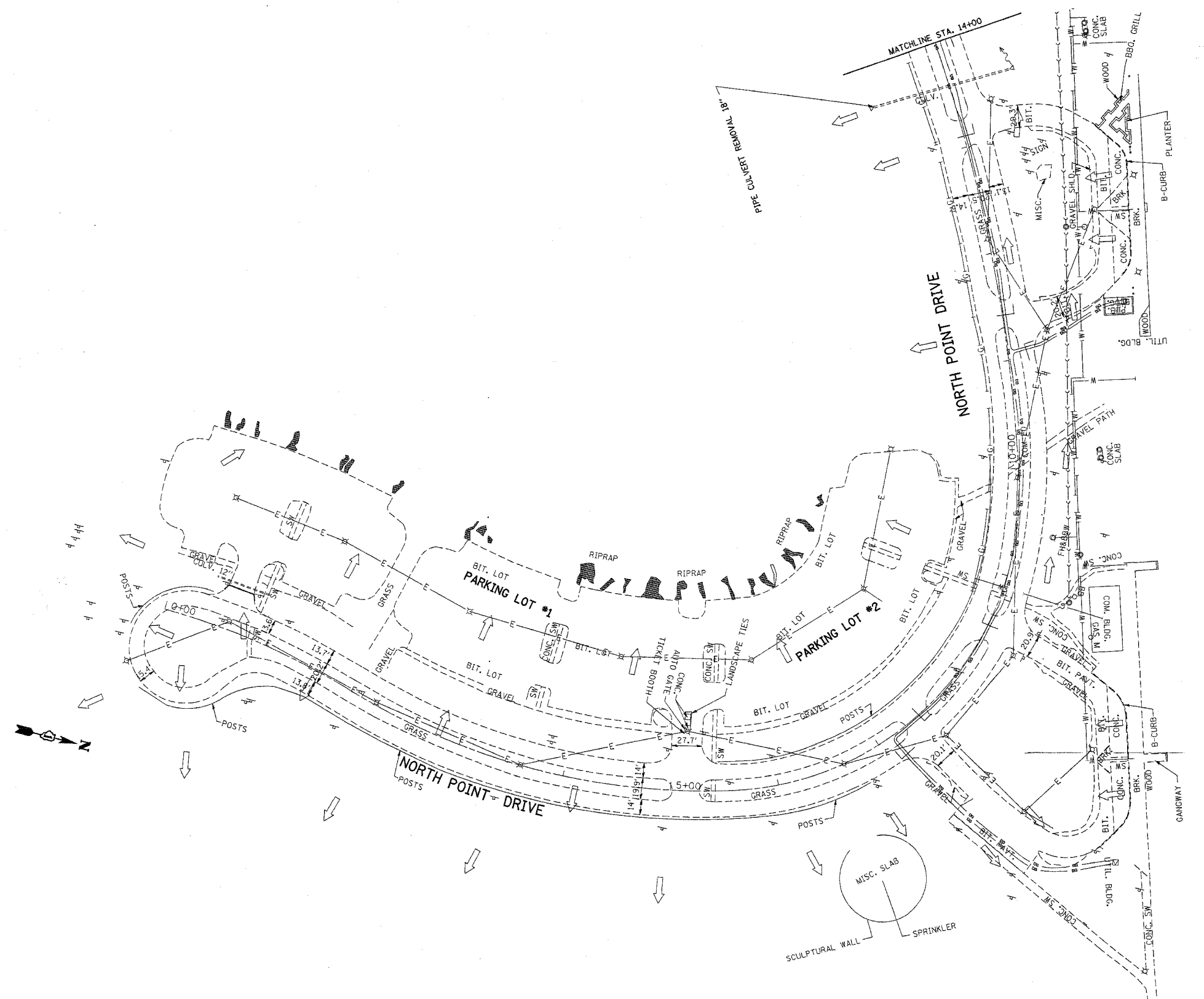
**NORTH POINT MARINA
7TH STREET
EXISTING UTILITY & DRAINAGE PLAN**

SCALE: VERT. 1"=50'
DATE: 3/6/2006

DRAWN BY
CHECKED BY

PLOT DATE = 3/6/2006
 FILE NAME = c:\np\2004\025\134482\sh_d.mxd
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = jmahk

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
		IDNR FILE NO. 2-03-025A		



T = TELEPHONE
W = WATER
E = PRIVATE PARK ELECTRICAL
UG = COMMONWEALTH EDISON
G = GAS

PLOT DATE = 3/6/2006
PLOT SCALE = 1"=50'
USER NAME = ulrichhd

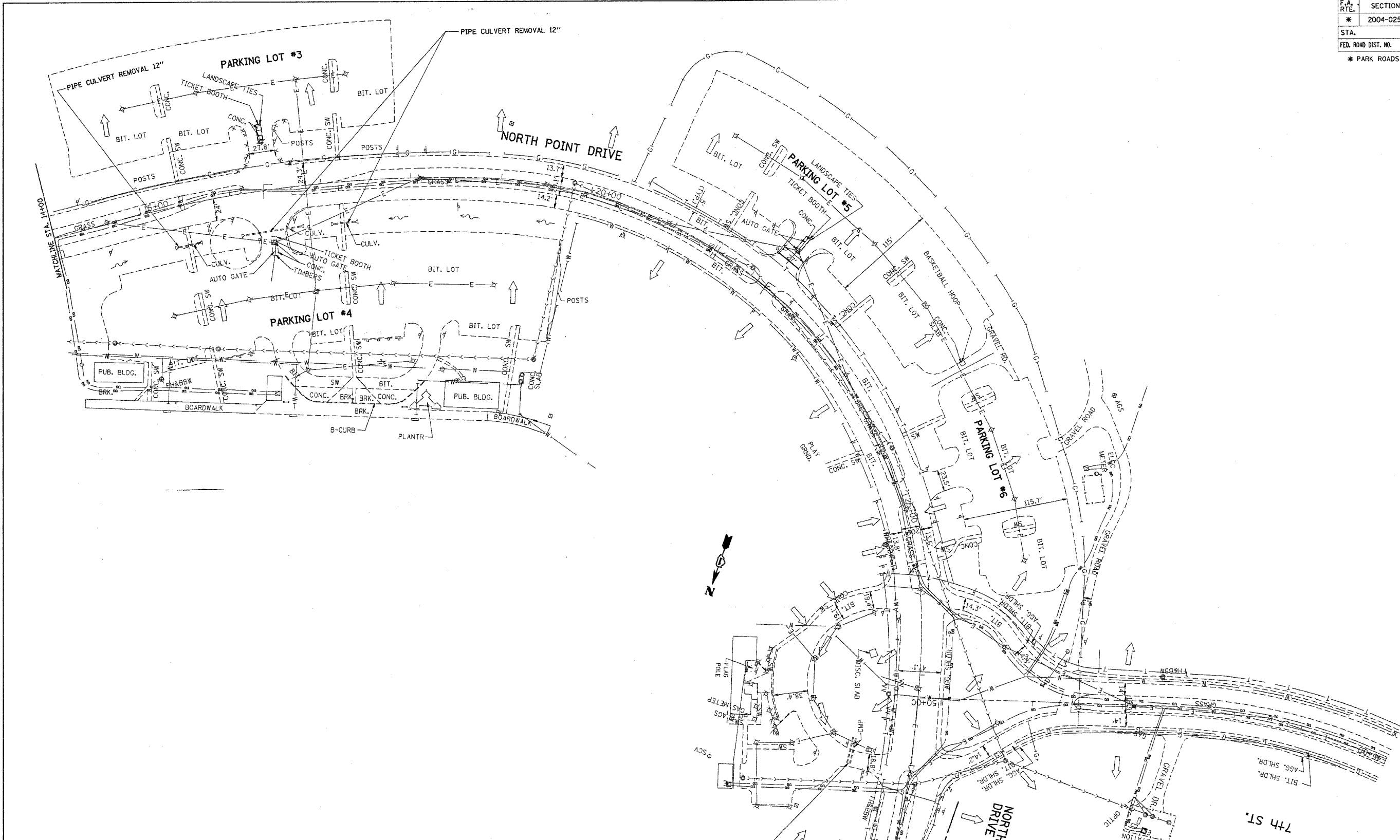
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH POINT MARINA
NORTH POINT DRIVE
EXISTING UTILITY & DRAINAGE PLAN

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE: 3/6/2006

DRAWN BY
CHECKED BY

BRIDGE TO FISHING PIER



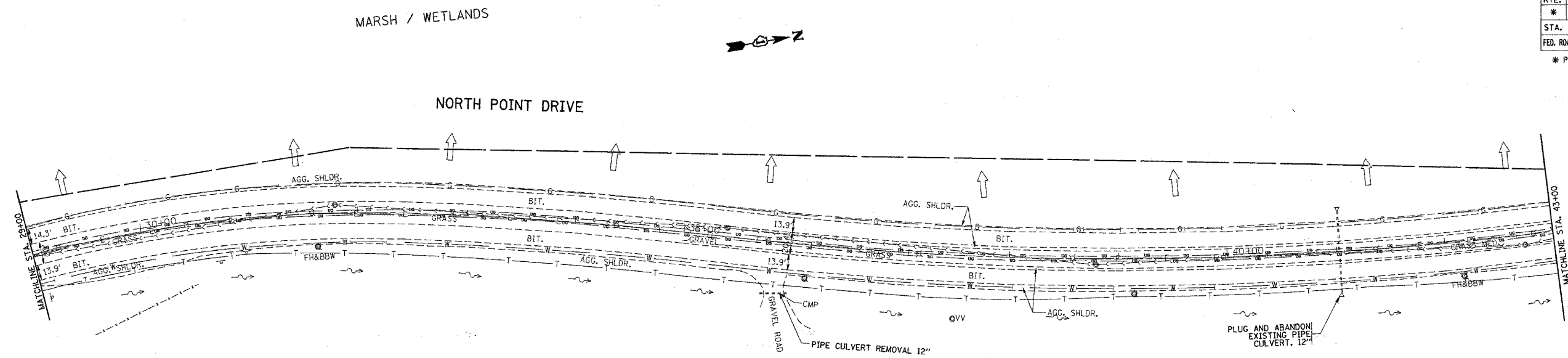
PLOT DATE = 3/6/2006
 PLOT SCALE = 50.000000 / IN.
 USER NAME = jlr-ehd

T = TELEPHONE
 W = WATER
 E = PRIVATE PARK ELECTRICAL
 UG = COMMONWEALTH EDISON
 G = GAS

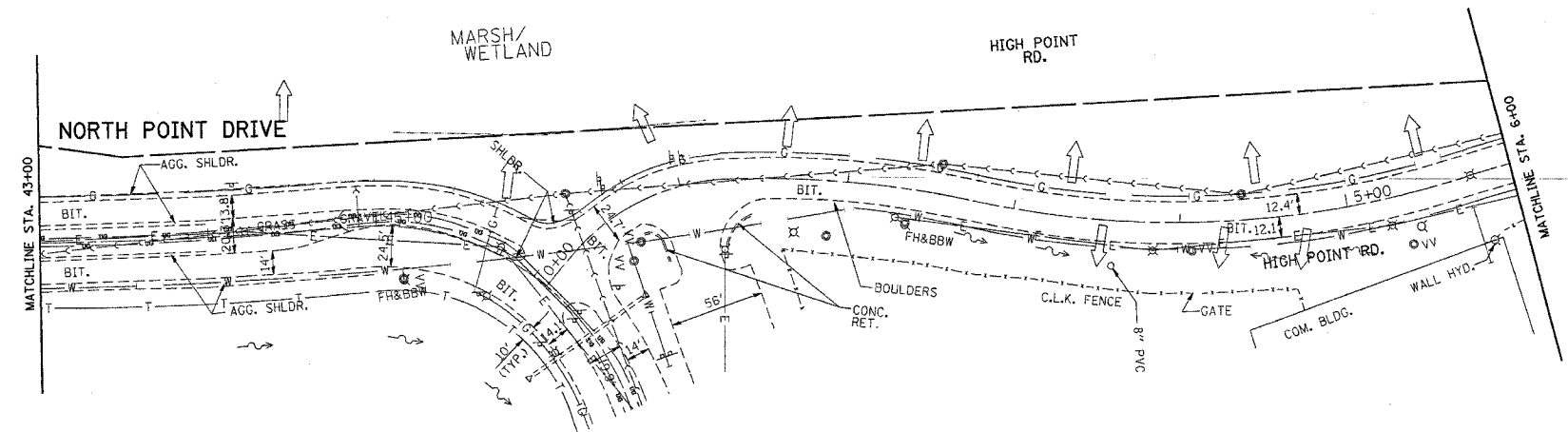
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH POINT MARINA
NORTH POINT DRIVE
EXISTING UTILITY & DRAINAGE PLAN
 SCALE: VERT. 1"=50'
 DATE: 3/6/2006
 DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	53
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-0254				



T = TELEPHONE
W = WATER
E = PRIVATE PARK ELECTRICAL
UG = COMMONWEALTH EDISON
G = GAS



T = TELEPHONE
W = WATER
E = PRIVATE PARK ELECTRICAL
UG = COMMONWEALTH EDISON
G = GAS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

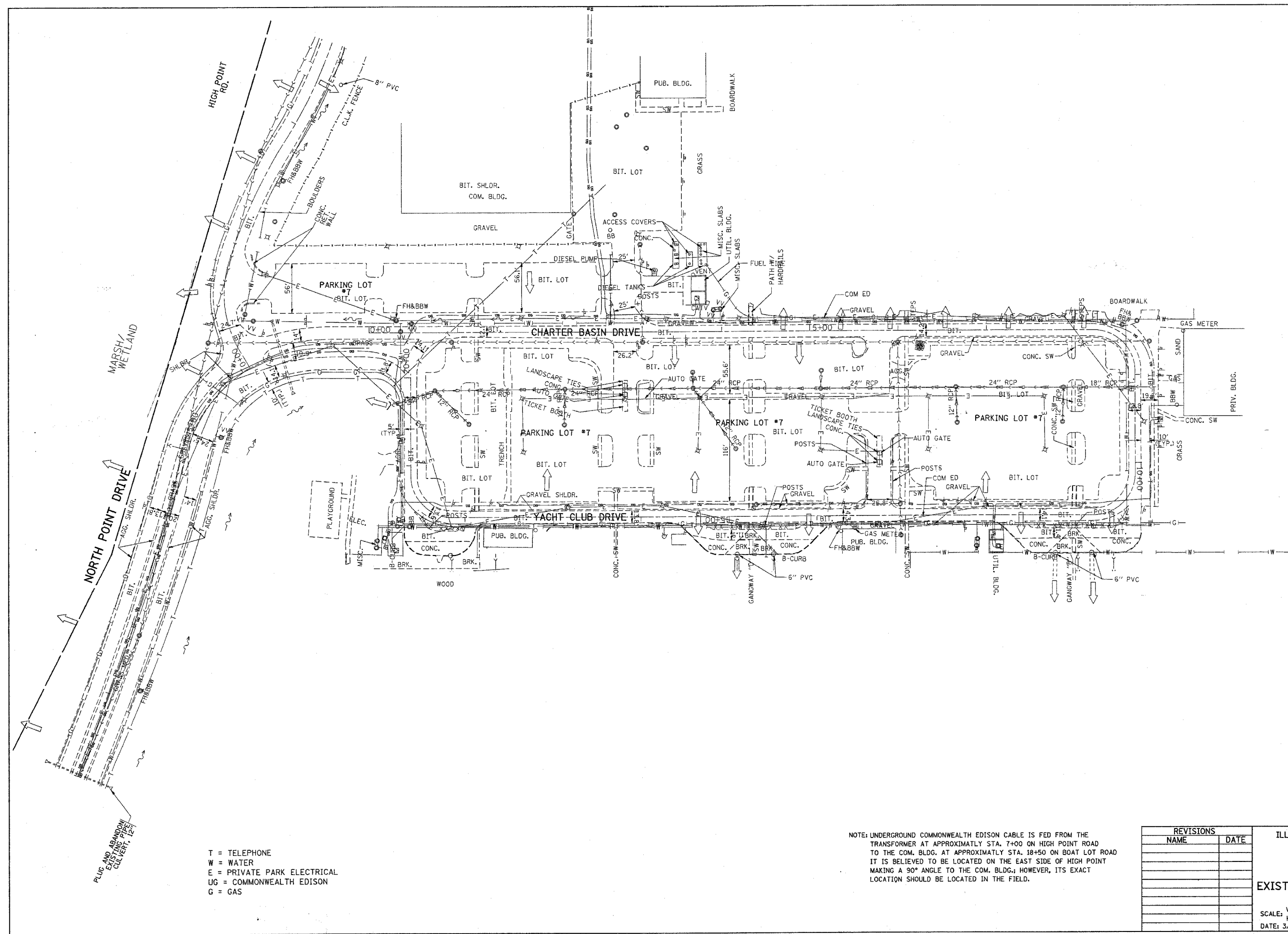
NORTH POINT MARINA
NORTH POINT DRIVE
EXISTING UTILITY & DRAINAGE PLAN

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE: 3/6/2006

DRAWN BY
CHECKED BY

DATE = 3/6/2006
NAME = [unreadable]
SCALE = 1"=50'
USER NAME = [unreadable]

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-R5	LAKE	116	54
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



DATE = 3/6/2006
 FILE NAME = c:\p\proj\03\034402\ah.drain.dgn
 PLOT SCALE = 60.000000 / 1" = 50'
 USER NAME = jlr-ghk

T = TELEPHONE
 W = WATER
 E = PRIVATE PARK ELECTRICAL
 UG = COMMONWEALTH EDISON
 G = GAS

NOTE: UNDERGROUND COMMONWEALTH EDISON CABLE IS FED FROM THE TRANSFORMER AT APPROXIMATELY STA. 7+00 ON HIGH POINT ROAD TO THE COM. BLDG. AT APPROXIMATELY STA. 18+50 ON BOAT LOT ROAD IT IS BELIEVED TO BE LOCATED ON THE EAST SIDE OF HIGH POINT MAKING A 90° ANGLE TO THE COM. BLDG.; HOWEVER, ITS EXACT LOCATION SHOULD BE LOCATED IN THE FIELD.

REVISIONS	
NAME	DATE

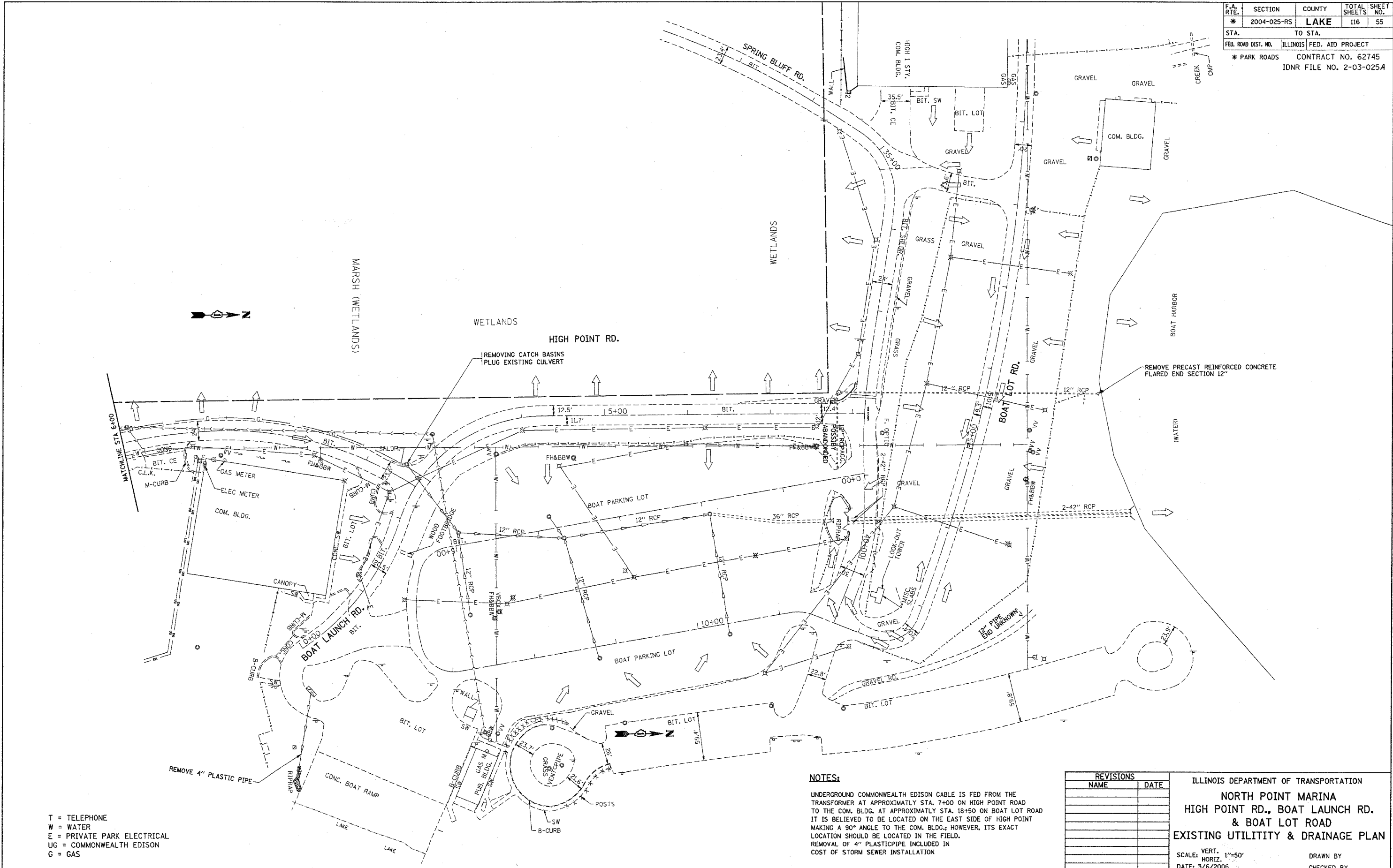
ILLINOIS DEPARTMENT OF TRANSPORTATION

NORTH POINT MARINA
YACHT CLUB DRIVE
EXISTING UTILITY & DRAINAGE PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE: 3/6/2006

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025-R5	LAKE		116	55
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS	CONTRACT NO. 62745			IDNR FILE NO. 2-03-0254



T = TELEPHONE
W = WATER
E = PRIVATE PARK ELECTRICAL
UG = COMMONWEALTH EDISON
C = GAS

NOTES:

UNDERGROUND COMMONWEALTH EDISON CABLE IS FED FROM THE TRANSFORMER AT APPROXIMATELY STA. 7+00 ON HIGH POINT ROAD TO THE COM. BLDG. AT APPROXIMATELY STA. 18+50 ON BOAT LOT ROAD IT IS BELIEVED TO BE LOCATED ON THE EAST SIDE OF HIGH POINT MAKING A 90° ANGLE TO THE COM. BLDG.; HOWEVER, ITS EXACT LOCATION SHOULD BE LOCATED IN THE FIELD. REMOVAL OF 4" PLASTIC PIPE INCLUDED IN COST OF STORM SEWER INSTALLATION

REVISIONS	
NAME	DATE

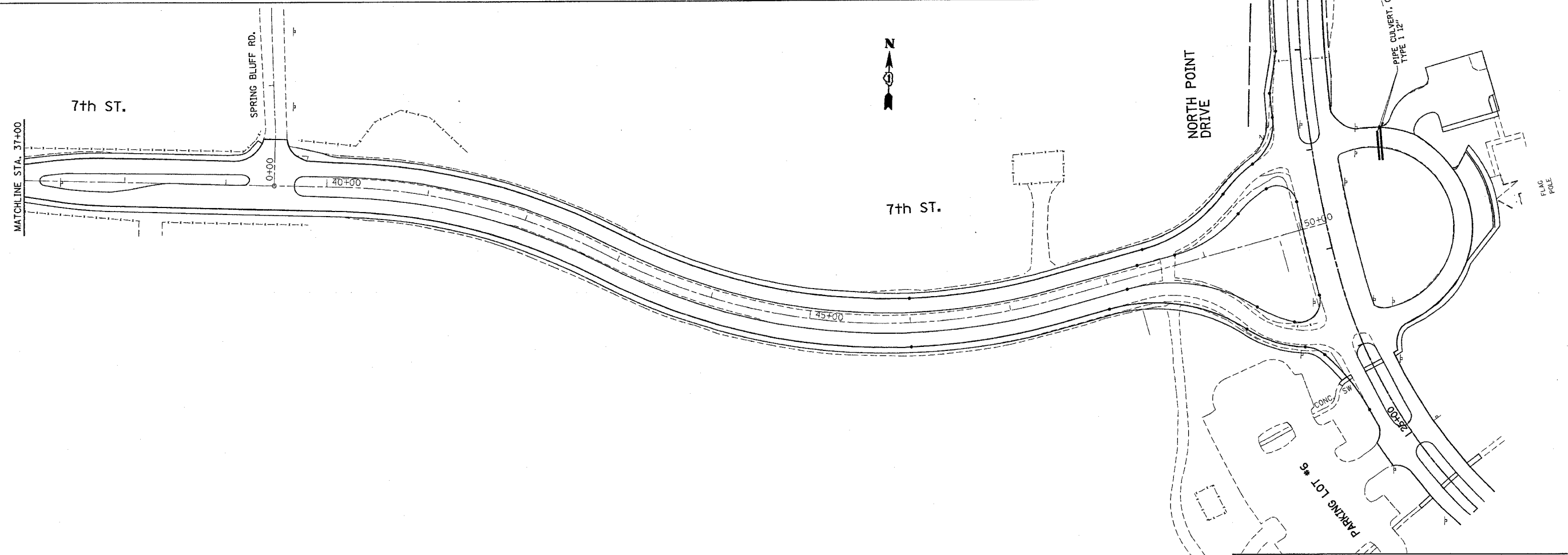
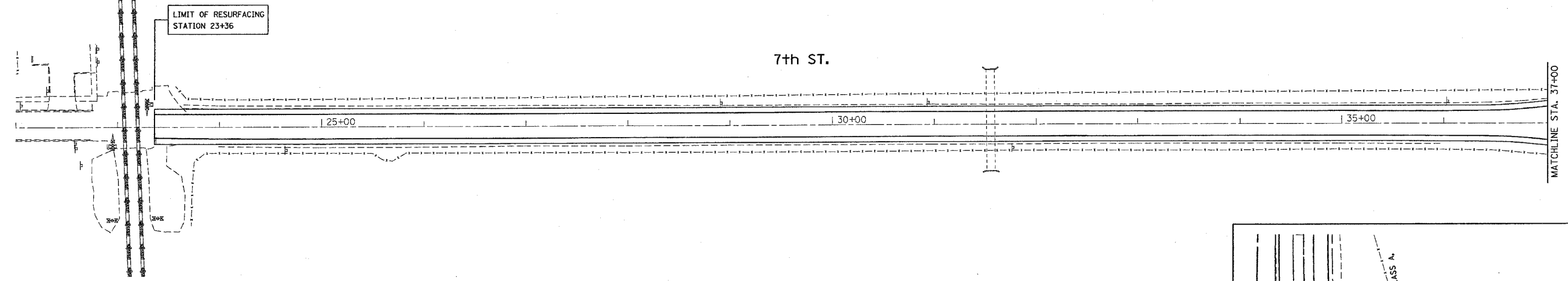
ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH POINT MARINA
HIGH POINT RD., BOAT LAUNCH RD.
& BOAT LOT ROAD
EXISTING UTILITY & DRAINAGE PLAN

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE: 3/6/2006

DRAWN BY
CHECKED BY

PLOT DATE = 3/6/2006
FILE NAME = c:\projects\1314482\sh.drain.dgn
PLOT SCALE = 1/8"=1'-0" / IN.
USER NAME = ulrehd

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	56
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS				
IDNR FILE NO. 2-03-025A				



PLOT DATE = 1/6/2006
 FILE NAME = c:\p\proj\2004\25-RS\sh.d-ar.dgn
 PLOT SCALE = 56.00000 1 / IN.
 USER NAME = drivekong

* NOTE: INVERT ELEVATIONS FOR PROPOSED PIPE CULVERTS TO BE DETERMINED BY RESIDENT ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 NORTH POINT MARINA
 7th STREET
 PROPOSED DRAINAGE PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE: 1/6/2006

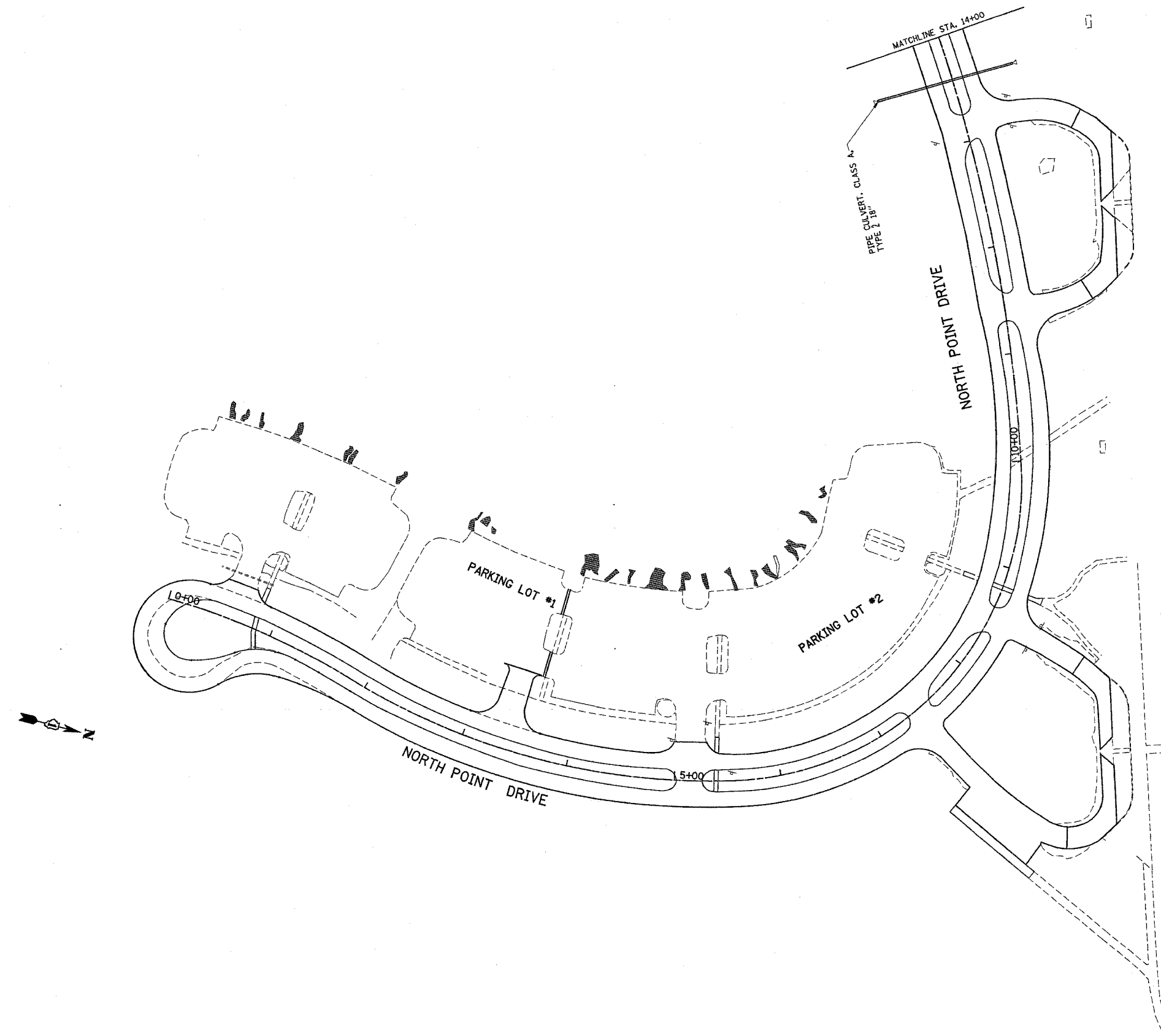
DRAWN BY
 CHECKED BY

CONTRACT NO. 62745

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	57

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

* PARK ROADS
IDNR FILE NO. 2-03-025A



* NOTE: INVERT ELEVATIONS FOR PROPOSED PIPE CULVERTS TO BE DETERMINED BY RESIDENT ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**NORTH POINT MARINA
NORTH POINT DRIVE
PROPOSED DRAINAGE PLAN**

SCALE: VERT. 1"=50'
HORIZ.
DATE: 1/6/2006

DRAWN BY
CHECKED BY

PLOT DATE = 1/6/2006
FILE NAME = c:\projects\p34182\sh_drain.dgn
LOT NAME = 5018000 / IN.
USER NAME = shdrain.dgn

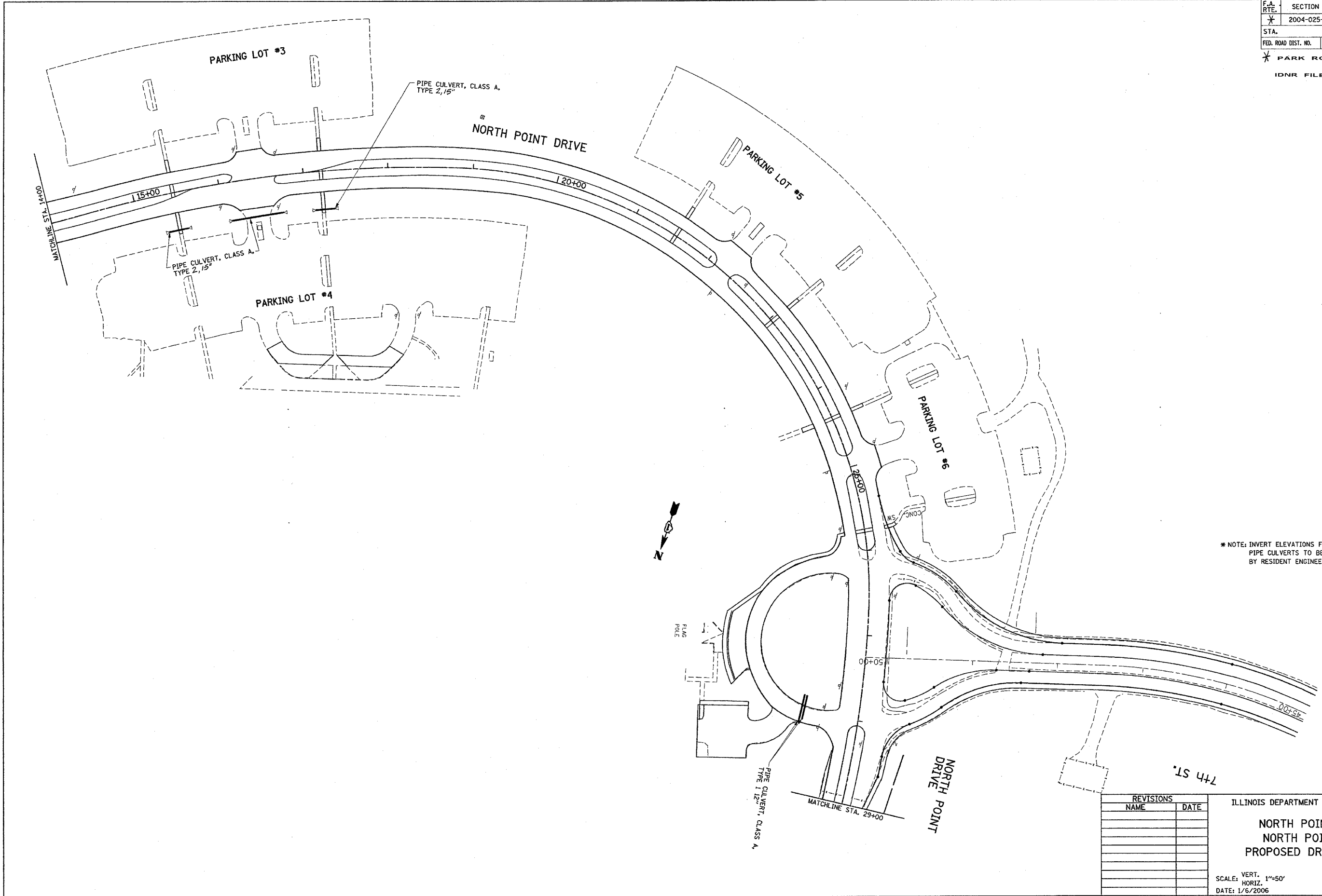
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	58

STA.	TO STA.

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

* PARK ROADS

IDNR FILE NO. 2-03-025A



* NOTE: INVERT ELEVATIONS FOR PROPOSED PIPE CULVERTS TO BE DETERMINED BY RESIDENT ENGINEER.

PLOT DATE = 1/6/2006
 PLOT SCALE = 1/8\"/>

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

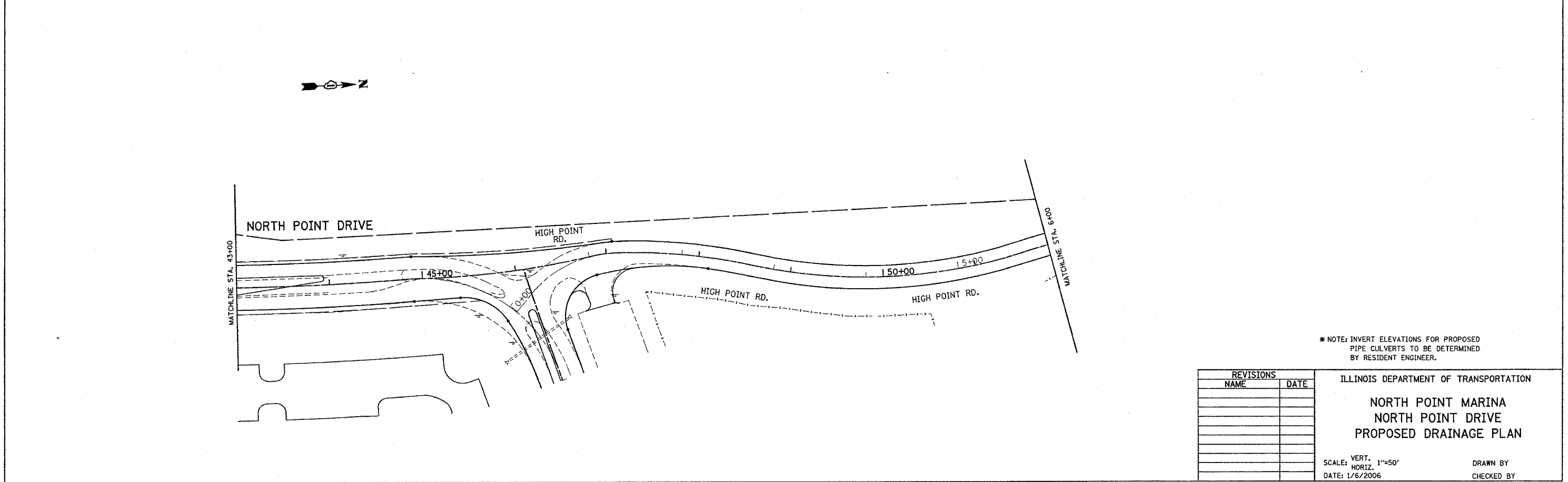
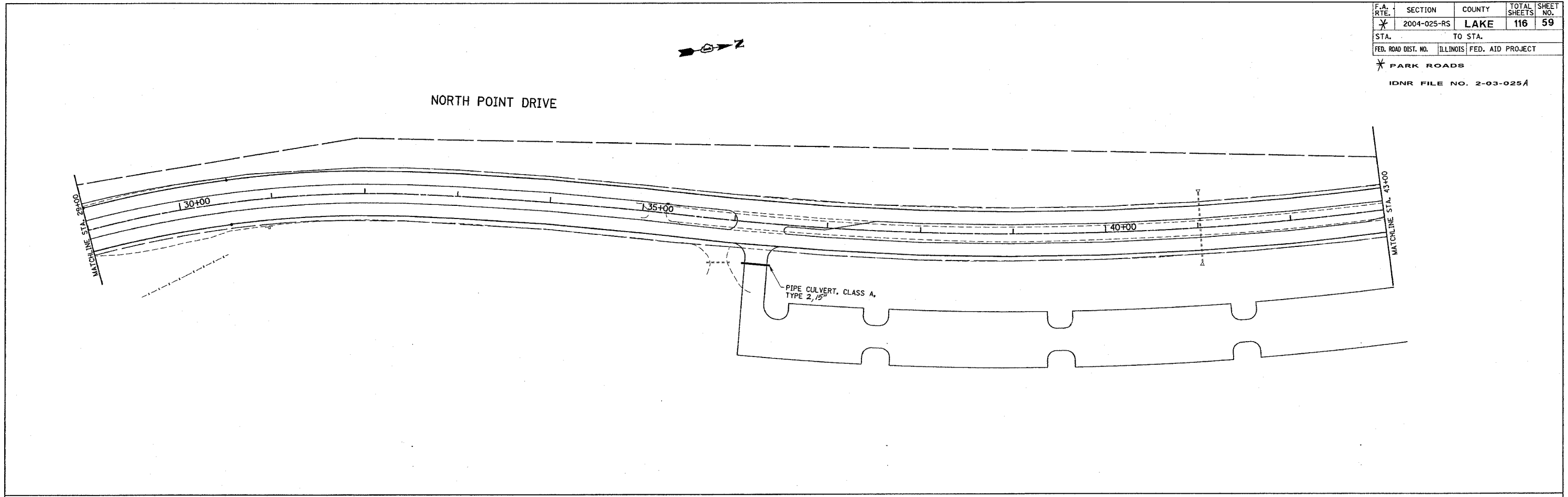
**NORTH POINT MARINA
NORTH POINT DRIVE
PROPOSED DRAINAGE PLAN**

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE: 1/6/2006

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	2004-025-RS	LAKE	116	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

X PARK ROADS
IDNR FILE NO. 2-03-025A



* NOTE: INVERT ELEVATIONS FOR PROPOSED PIPE CULVERTS TO BE DETERMINED BY RESIDENT ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**NORTH POINT MARINA
NORTH POINT DRIVE
PROPOSED DRAINAGE PLAN**
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE: 1/6/2006
DRAWN BY
CHECKED BY

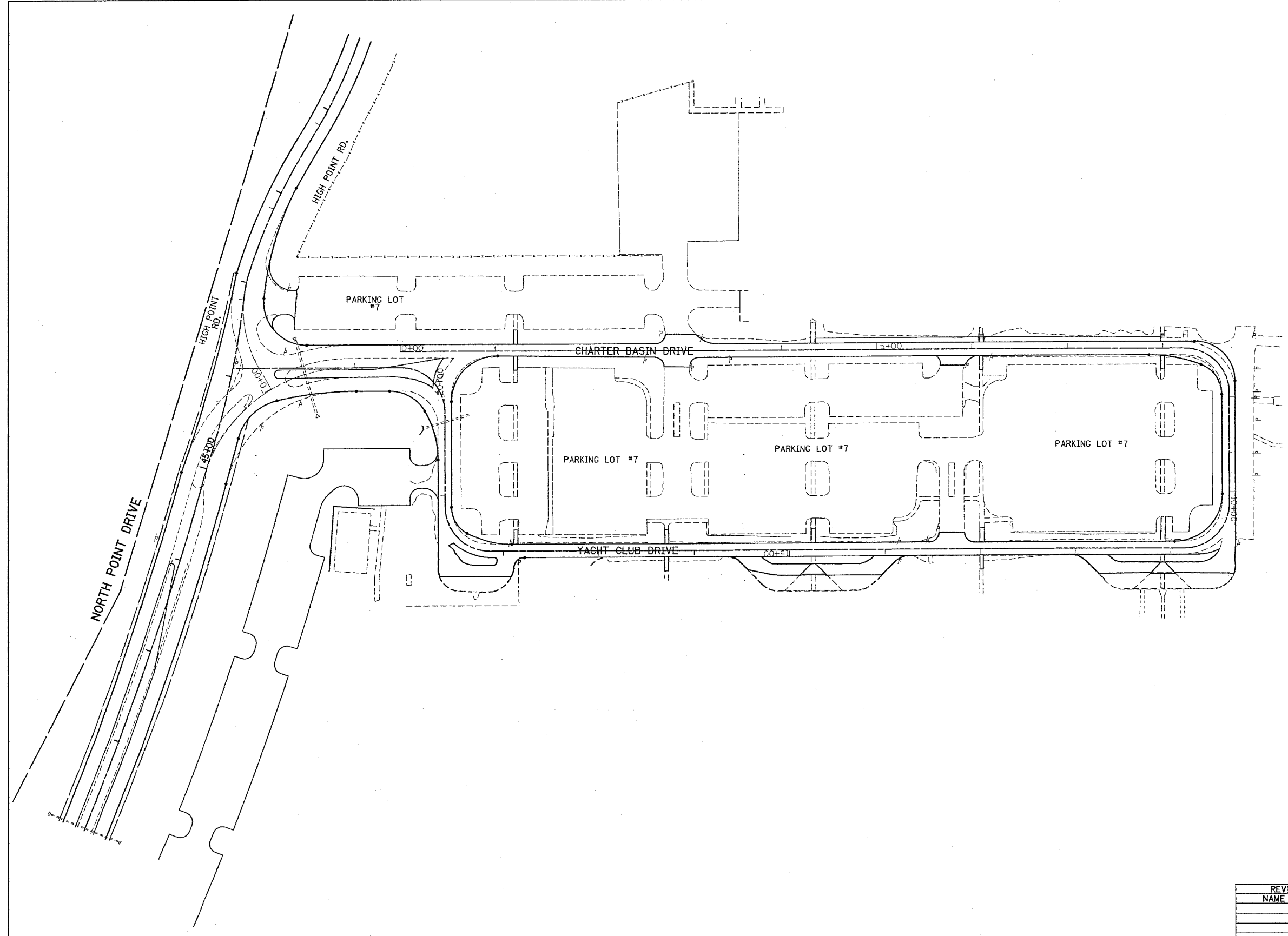
PLOT DATE = 1/6/2006
PLOT SCALE = 1"=50'
USER NAME = drivekngn

CONTRACT NO. 62745

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	60
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS

IDNR FILE NO. 2-03-025A



PLOT DATE = 1/6/2006
 FILE NAME = c:\p\proj\p134482\sh_dran.dgn
 PLOT SCALE = 50.000000 / IN.
 USER NAME = drvakosgn

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**NORTH POINT MARINA
 YACHT CLUB DRIVE
 PROPOSED DRAINAGE PLAN**

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE: 1/6/2006

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025-RS	LAKE	116	61
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

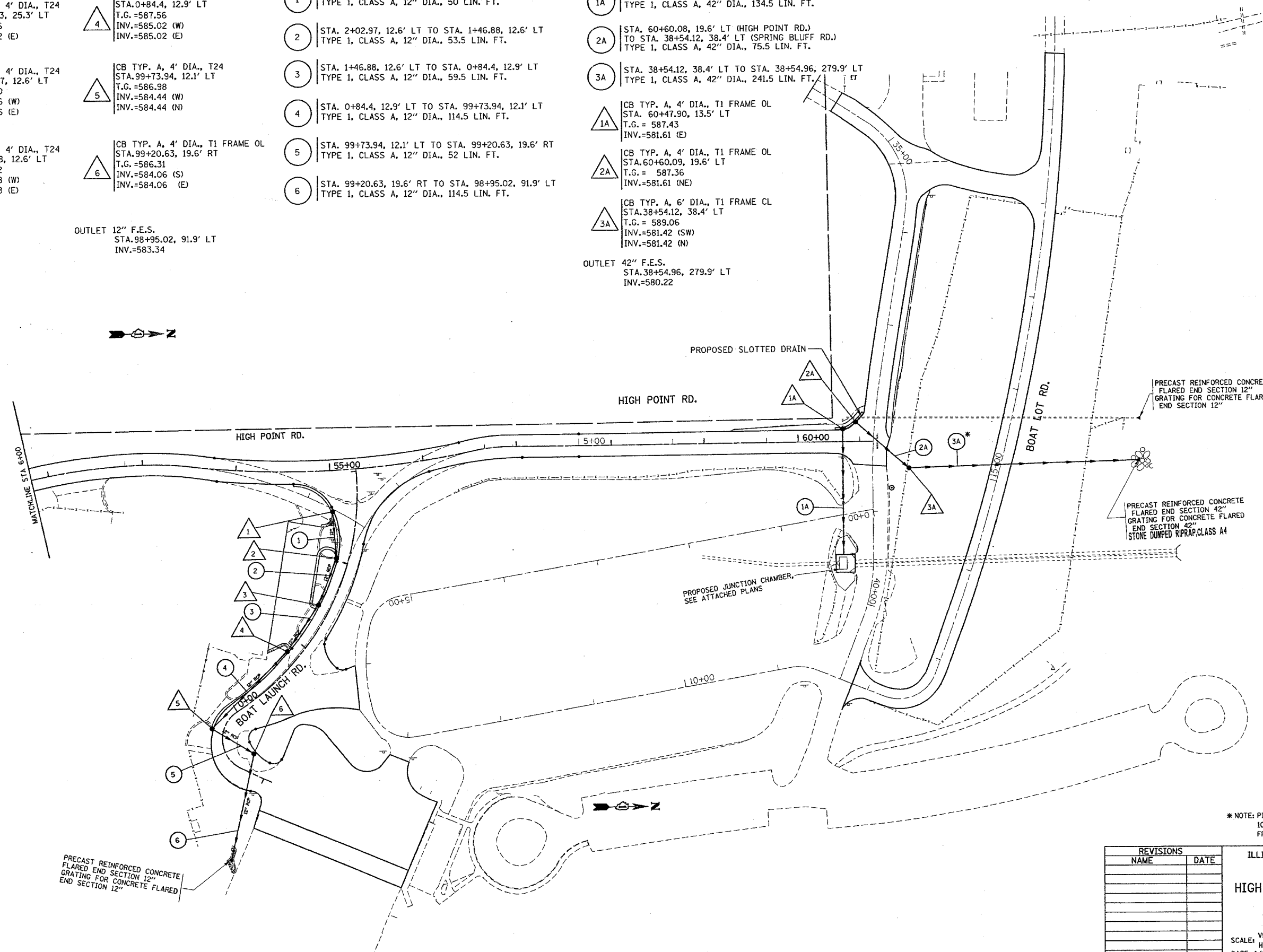
* PARK ROADS
IDNR FILE NO. 2-03-025A

- 1 CB TYP. A, 4' DIA., T24
STA. 2+54.83, 25.3' LT
T.G. = 589.36
INV. = 586.82 (E)
- 2 CB TYP. A, 4' DIA., T24
STA. 2+02.97, 12.6' LT
T.G. = 588.90
INV. = 586.36 (W)
INV. = 586.36 (E)
- 3 CB TYP. A, 4' DIA., T24
STA. 1+46.88, 12.6' LT
T.G. = 588.22
INV. = 585.68 (W)
INV. = 585.68 (E)
- 4 CB TYP. A, 4' DIA., T24
STA. 0+84.4, 12.9' LT
T.G. = 587.56
INV. = 585.02 (W)
INV. = 585.02 (E)
- 5 CB TYP. A, 4' DIA., T24
STA. 99+73.94, 12.1' LT
T.G. = 586.98
INV. = 584.44 (W)
INV. = 584.44 (N)
- 6 CB TYP. A, 4' DIA., T1 FRAME OL
STA. 99+20.63, 19.6' RT
T.G. = 586.31
INV. = 584.06 (S)
INV. = 584.06 (E)

- 1A STA. 60+47.90, 13.5' LT TO STA. 60+47.48, 120.5' LT
TYPE 1, CLASS A, 42" DIA., 134.5 LIN. FT.
- 2A STA. 60+60.08, 19.6' LT (HIGH POINT RD.)
TO STA. 38+54.12, 38.4' LT (SPRING BLUFF RD.)
TYPE 1, CLASS A, 42" DIA., 75.5 LIN. FT.
- 3A STA. 38+54.12, 38.4' LT TO STA. 38+54.96, 279.9' LT
TYPE 1, CLASS A, 42" DIA., 241.5 LIN. FT.
- 1A CB TYP. A, 4' DIA., T1 FRAME OL
STA. 60+47.90, 13.5' LT
T.G. = 587.43
INV. = 581.61 (E)
- 2A CB TYP. A, 4' DIA., T1 FRAME OL
STA. 60+60.09, 19.6' LT
T.G. = 587.36
INV. = 581.61 (NE)
- 3A CB TYP. A, 6' DIA., T1 FRAME CL
STA. 38+54.12, 38.4' LT
T.G. = 589.06
INV. = 581.42 (SW)
INV. = 581.42 (N)

OUTLET 12" F.E.S.
STA. 98+95.02, 91.9' LT
INV. = 583.34

OUTLET 42" F.E.S.
STA. 38+54.96, 279.9' LT
INV. = 580.22



PRECAST REINFORCED CONCRETE
FLARED END SECTION 12"
GRATING FOR CONCRETE FLARED
END SECTION 12"

PRECAST REINFORCED CONCRETE
FLARED END SECTION 42"
GRATING FOR CONCRETE FLARED
END SECTION 42"
STONE DUMPED RIPRAP, CLASS A4

PROPOSED JUNCTION CHAMBER.
SEE ATTACHED PLANS

* NOTE: PIPE 3A IS TO BE PLACED WITH A
10 FOOT HORIZONTAL SEPARATION
FROM THE EXISTING WATER MAIN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**NORTH POINT MARINA
HIGH POINT RD., BOAT LAUNCH RD.
& BOAT LOT ROAD
PROPOSED DRAINAGE PLAN**

SCALE: VERT. 1"=50'
DATE: 1/6/2006

DRAWN BY
CHECKED BY

PLOT DATE = 1/6/2006
FILE NAME = c:\projects\p01482\ah.dwg
PLOT SCALE = 1/8"=1'-0"
USER NAME = drvkosgn

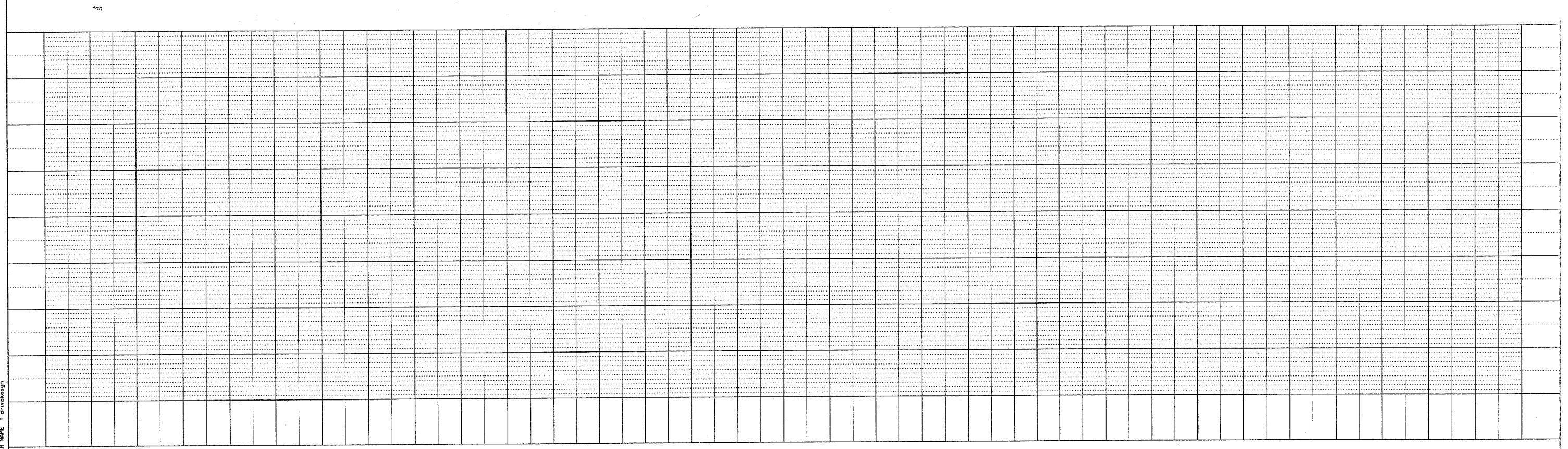
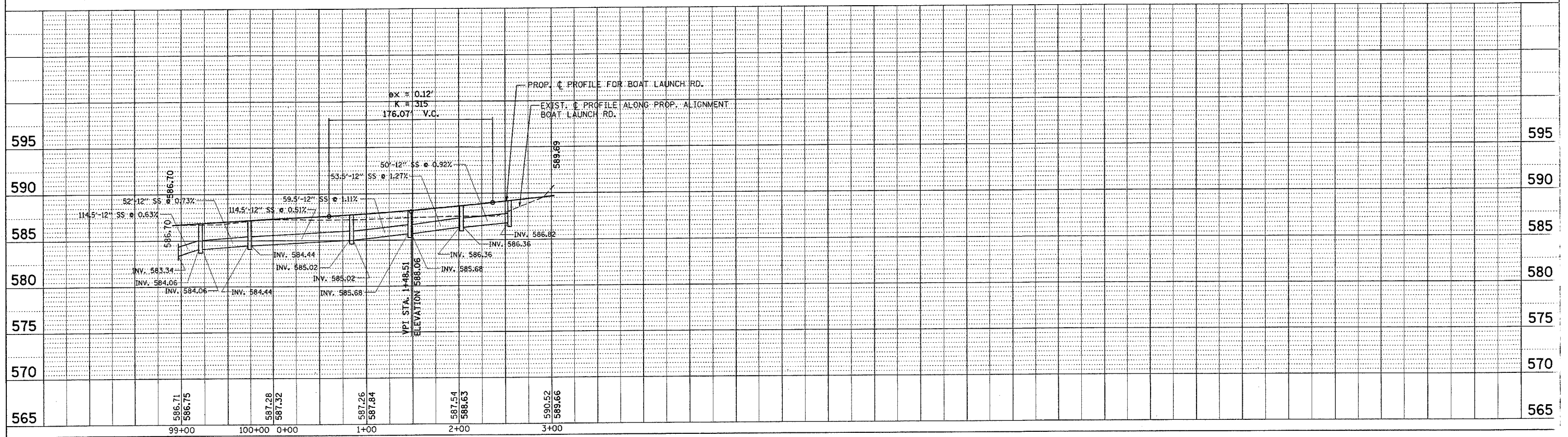
PRECAST REINFORCED CONCRETE
FLARED END SECTION 12"
GRATING FOR CONCRETE FLARED
END SECTION 12"

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	2004-025 RS	LAKE	116	62
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
X		PARK ROADS		
		IDNR FILE NO. 2-03-025A		

PLAN	DATE
DESIGNED	
PLOTTED	
ALIGNED	
CHECKED	
NO.	
CADD FILE NAME	

FILE	DATE
DESIGNED	
CHECKED	
NO.	
STRUCTURE	
NOTA/ISS	
CHKD	

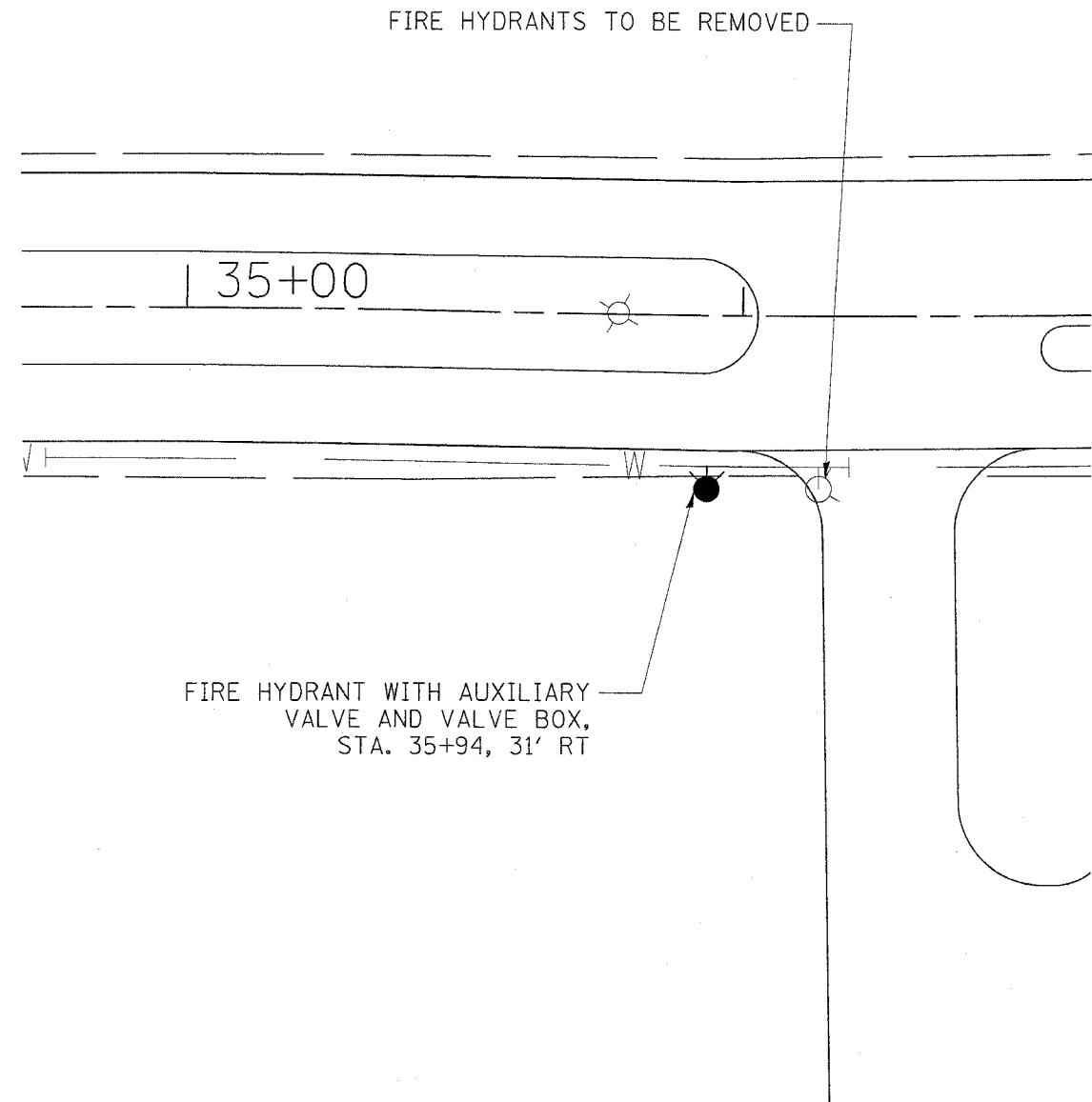
PLOT DATE = 11/22/2005
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 PLOT SCALE = 50.000000 / IN.
 USER NAME = urndocsgn



*REF-
*REF-
*REF-

CONTRACT NO. 62745

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	62a
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* PARK ROADS		IDNR FILE No. 2-03-025	D91-191-04	



FIRE HYDRANT WITH AUXILIARY
VALVE AND VALVE BOX,
STA. 35+94, 31' RT

FIRE HYDRANTS TO BE REMOVED

35+00

REVISIONS	
NAME	DATE

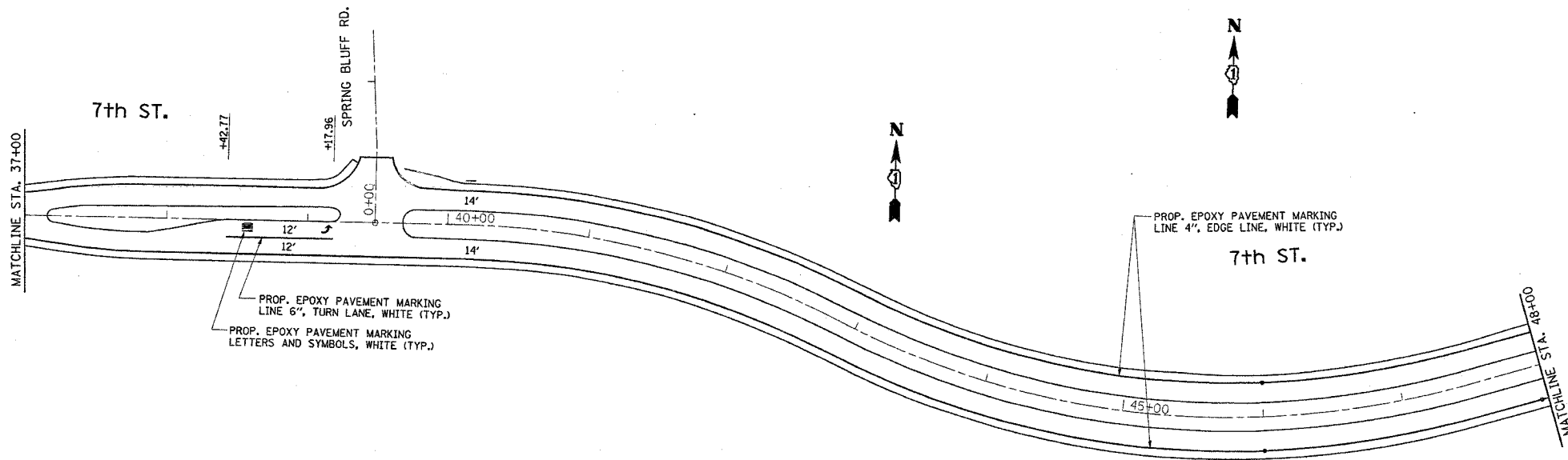
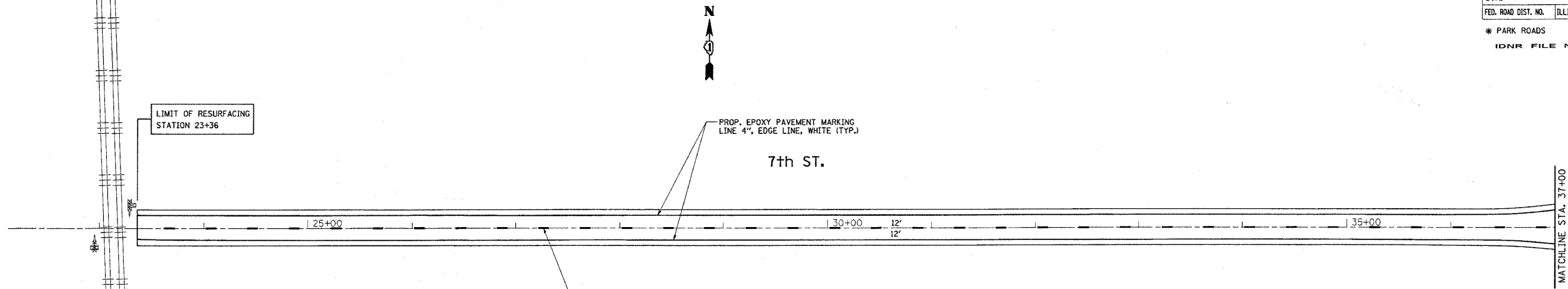
ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS BEACH STATE PARK
NORTH POINT MARINA
FIRE HYDRANT
RELOCATION PLAN

SCALE: VERT.
HORIZ.
DATE 1/24/2006

DRAWN BY
CHECKED BY

*REF-PMK01
*REF-PMK02

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	63
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				

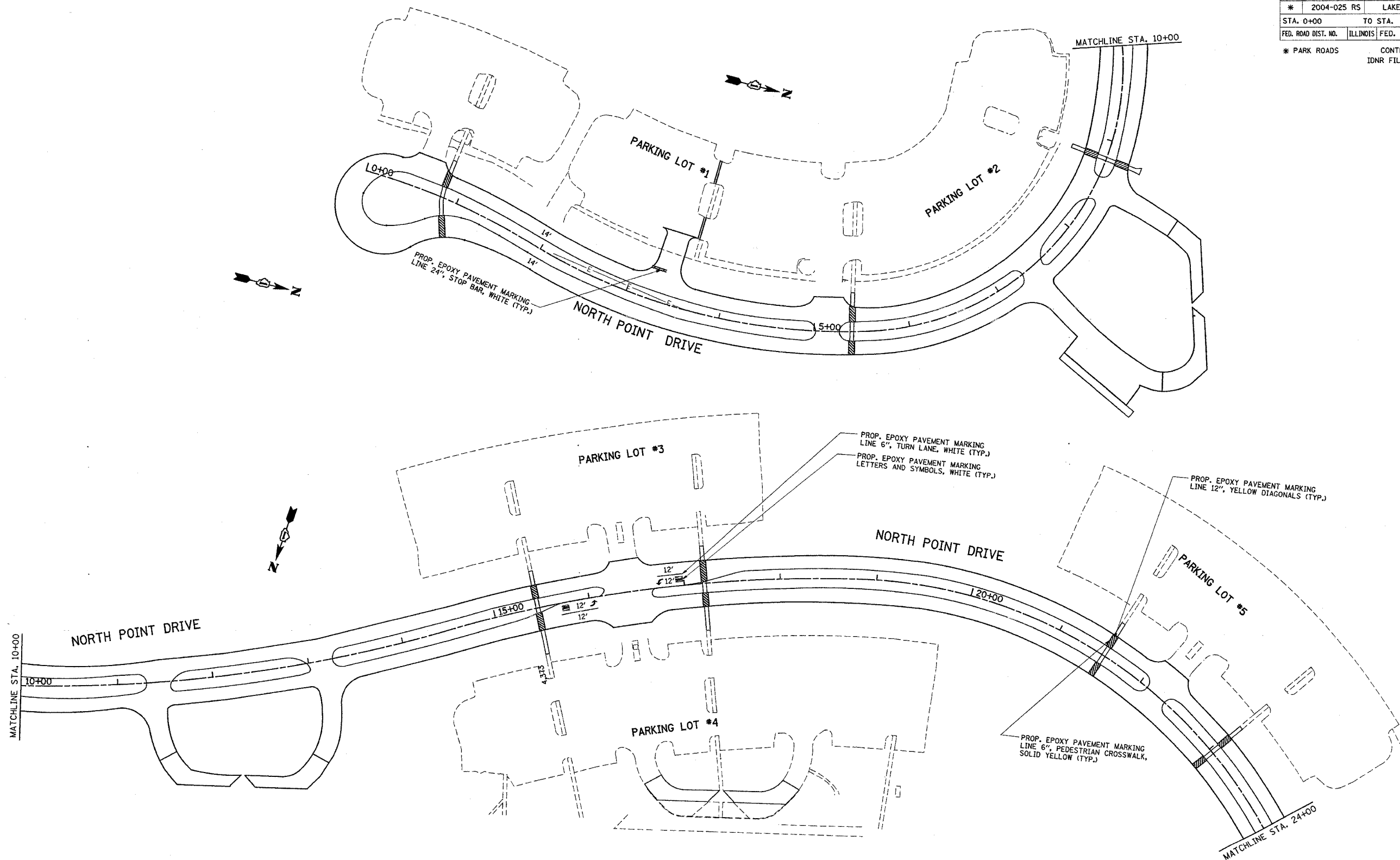


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
NORTH POINT MARINA
NORTH POINT DR.
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/5/2006
 DRAWN BY
 CHECKED BY

*REF-PMK03
*REF-PMK04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	64
STA. 0+00		TO STA. 24+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745 IDNR FILE NO. 2-03-025A		



MATCHLINE STA. 10+00

MATCHLINE STA. 24+00

NOTE: FOR PARKING LOT DEMENSIONS
SEE "PARKING LOT PAVEMENT
MARKING" DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
NORTH POINT MARINA
NORTH POINT DR.

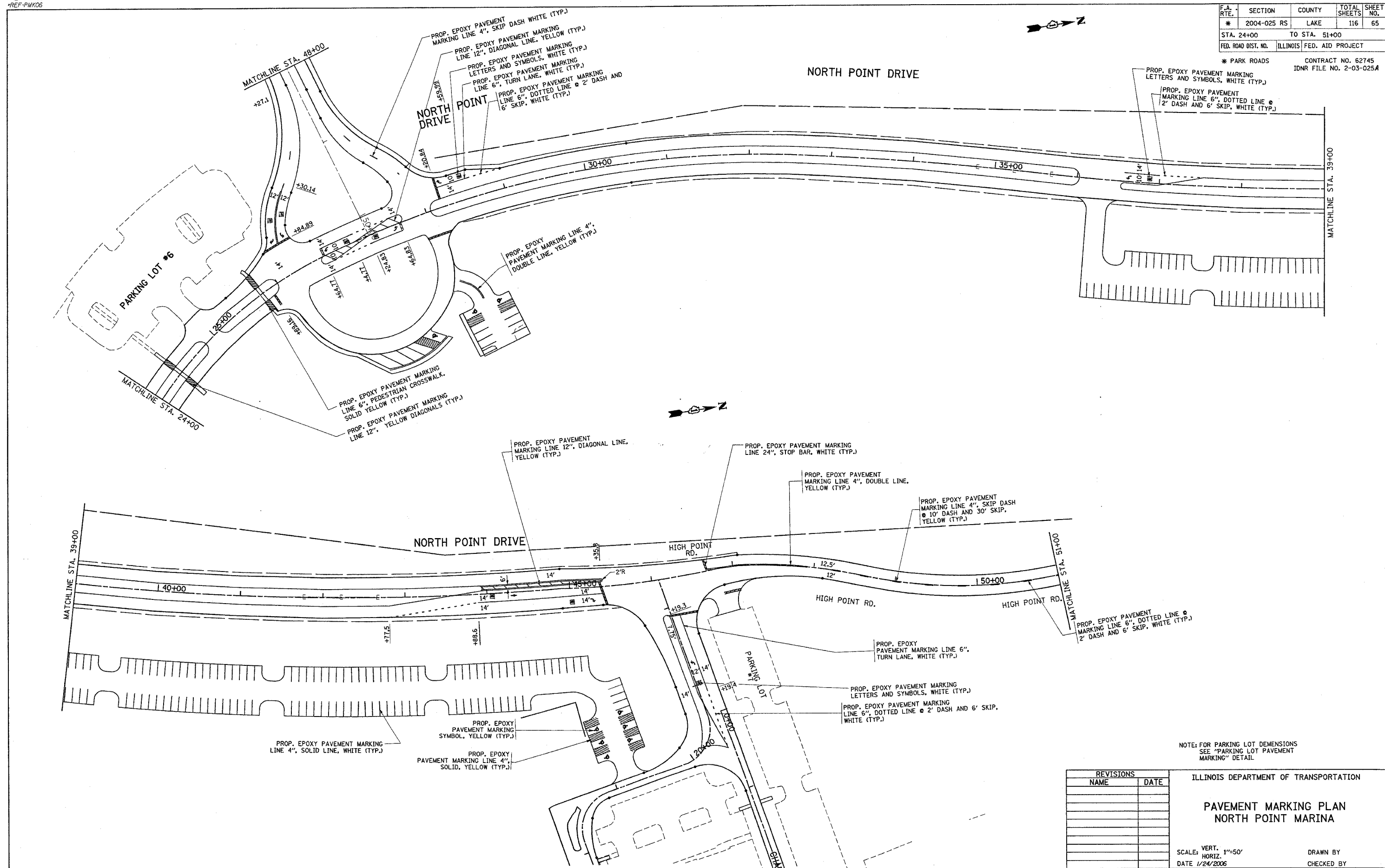
VERT. SCALE: 1"=50'
HORIZ. SCALE: 1"=50'
DATE 1/23/2006

DRAWN BY
CHECKED BY

REF-PMK05
REF-PMK06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	65
STA. 24+00		TO STA. 51+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS CONTRACT NO. 62745
IDNR FILE NO. 2-03-025A



NOTE: FOR PARKING LOT DIMENSIONS SEE "PARKING LOT PAVEMENT MARKING" DETAIL

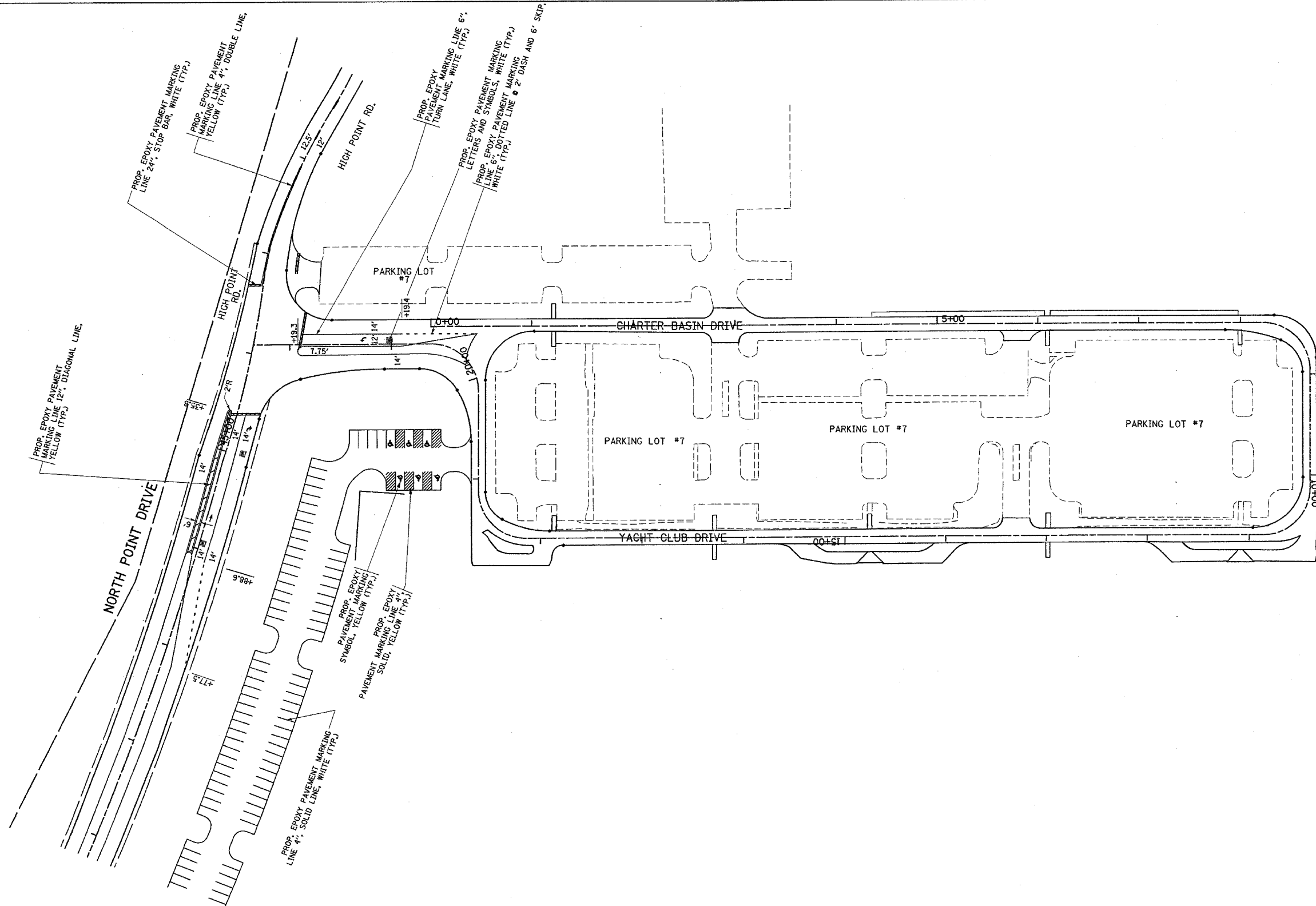
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
NORTH POINT MARINA

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/24/2006
DRAWN BY
CHECKED BY

*REF-PMK08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	116	66	
STA. 0+00		TO STA. 22+35		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745 IDNR FILE NO. 2-03-0254		



NOTE: FOR PARKING LOT DEMENSIONS SEE "PARKING LOT PAVEMENT MARKING" DETAIL

REVISIONS	
NAME	DATE

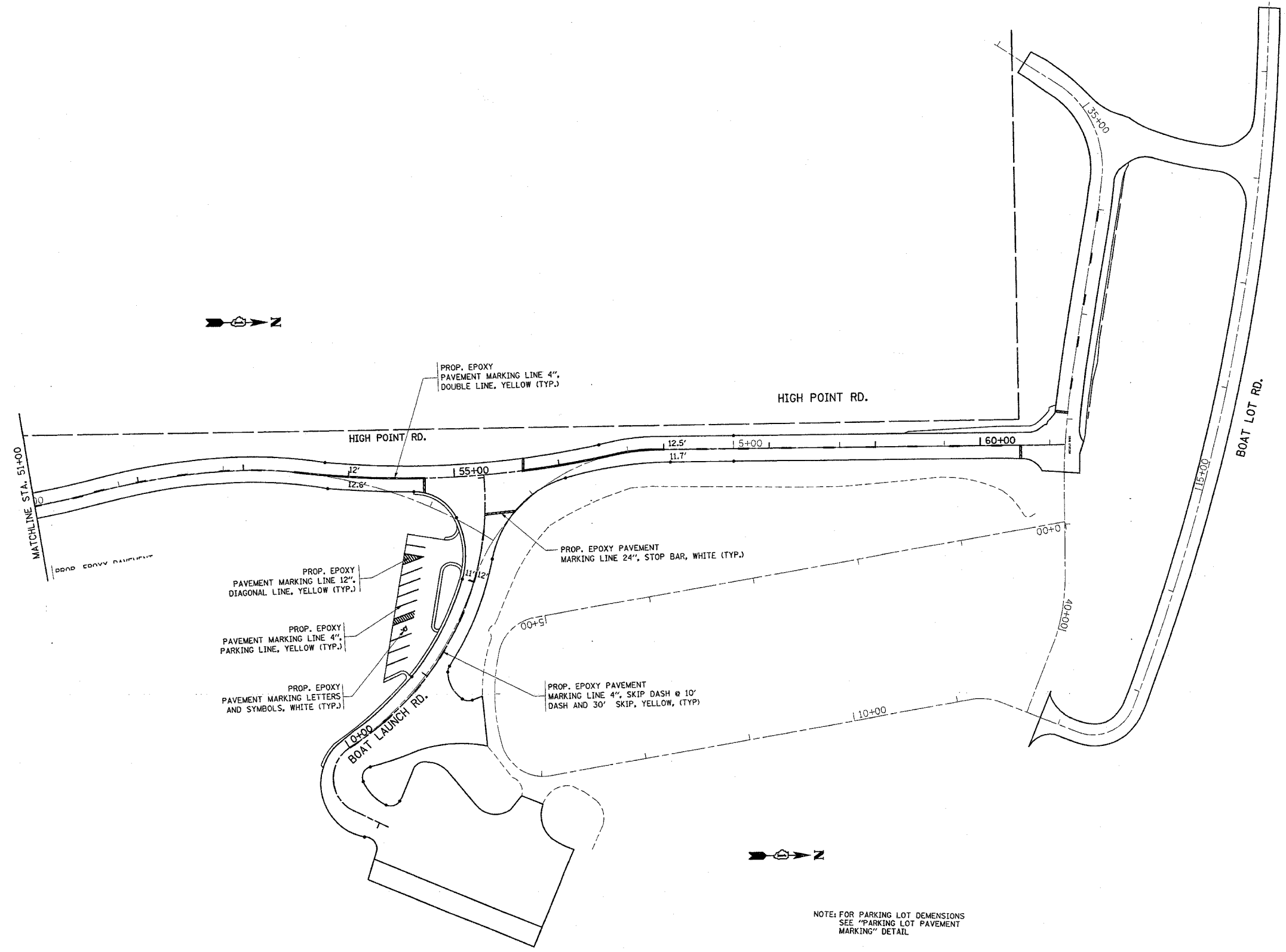
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
NORTH POINT MARINA
YACHT CLUB DRIVE

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/9/2006

DRAWN BY
CHECKED BY

REF:PMK07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	67
STA. 51+00		TO STA. 60+80		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



NOTE: FOR PARKING LOT DEMENSIONS SEE "PARKING LOT PAVEMENT MARKING" DETAIL

REVISIONS	
NAME	DATE

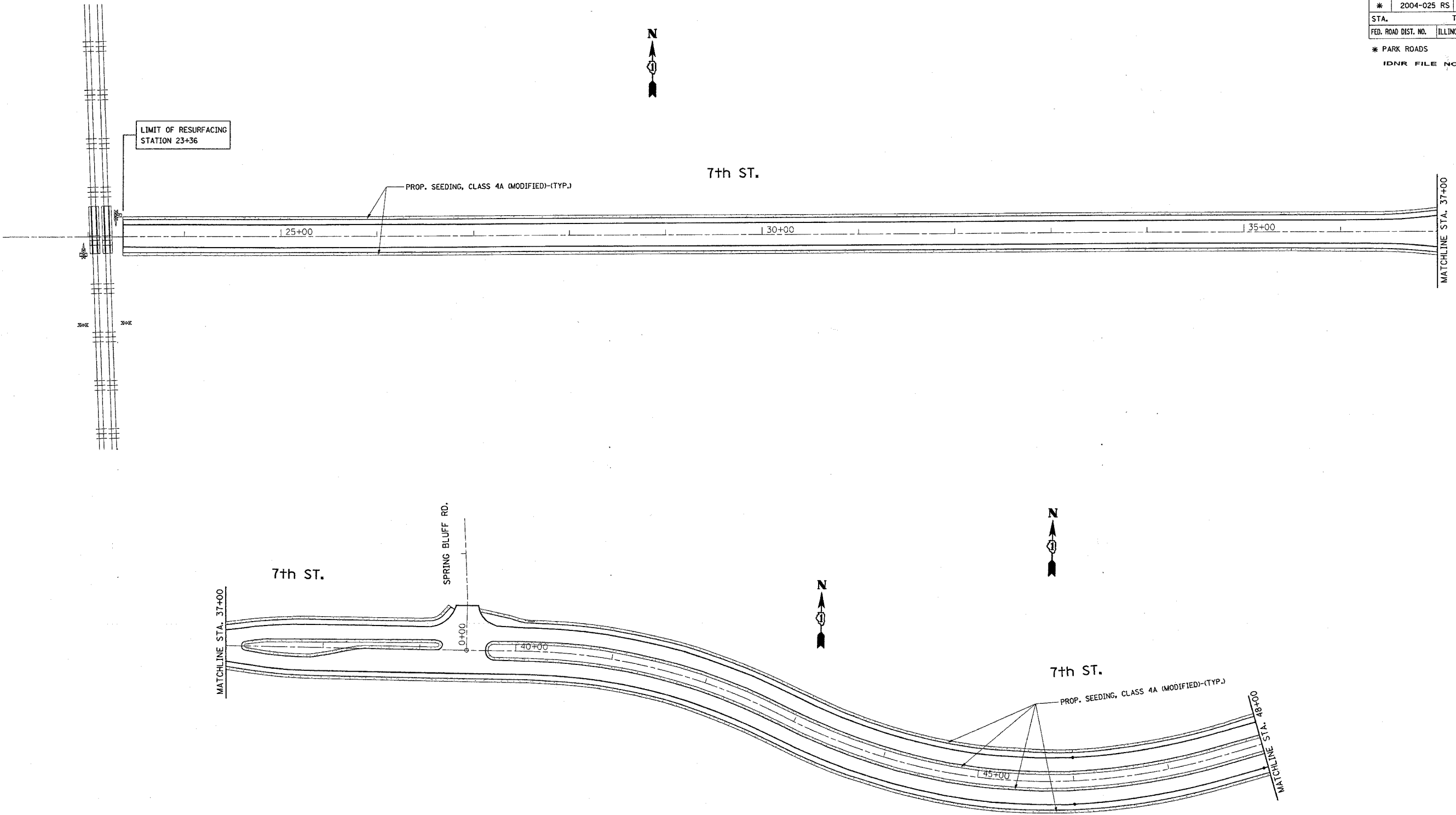
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
NORTH POINT MARINA
HIGH POINT RD., BOAT LAUNCH RD.
& BOAT LOT ROAD

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/5/2006

DRAWN BY
 CHECKED BY

REF-PMK01
REF-PMK02

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	116	68	
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



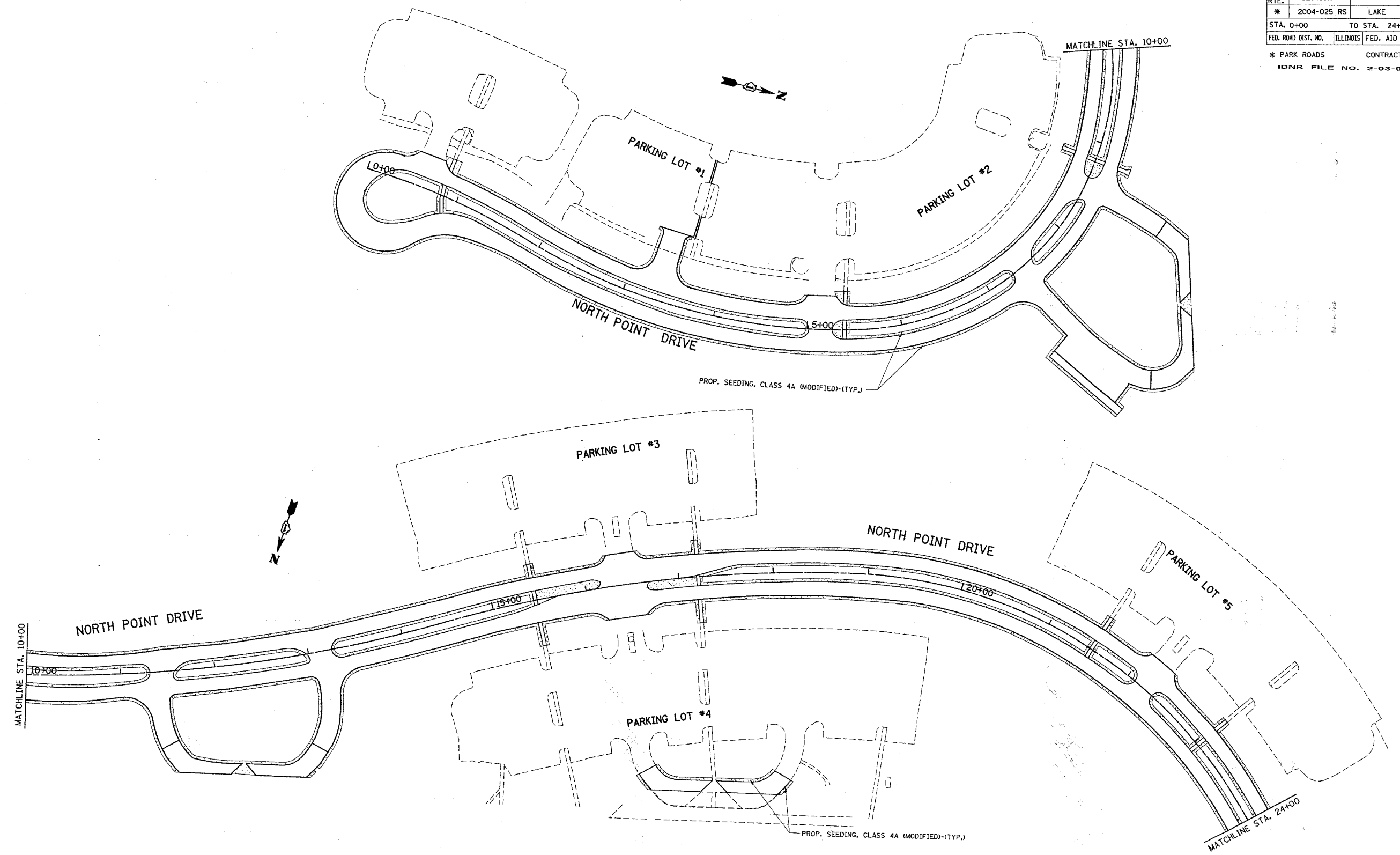
NOTE: SEE SPECIAL PROVISION FOR ALL SEEDING AND LANDSCAPING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**LANDSCAPING PLAN
NORTH POINT MARINA
NORTH POINT DR.**
SCALE: VERT. 1"=50'
DATE 1/5/2006
DRAWN BY
CHECKED BY

*REF-PMK03
*REF-PMK04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2004-025 RS	LAKE	116	69	
STA. 0+00	TO STA. 24+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



NOTE: SEE SPECIAL PROVISION FOR ALL SEEDING AND LANDSCAPING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LANDSCAPING PLAN
NORTH POINT MARINA
NORTH POINT DR.**

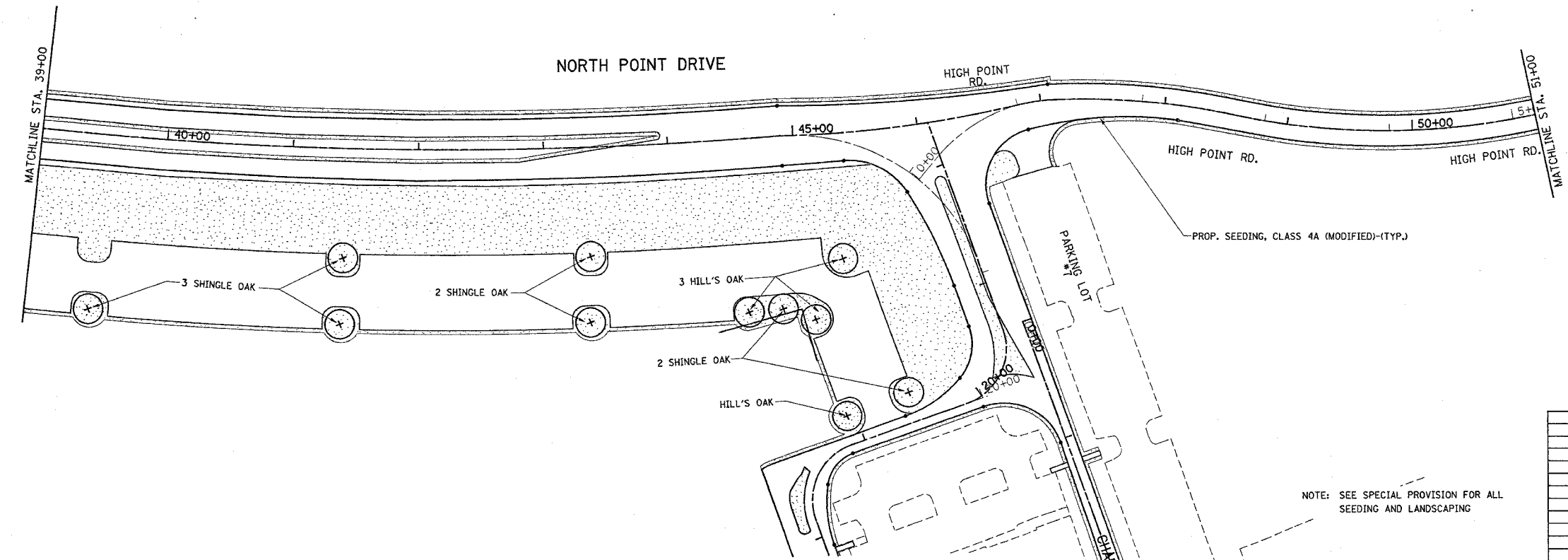
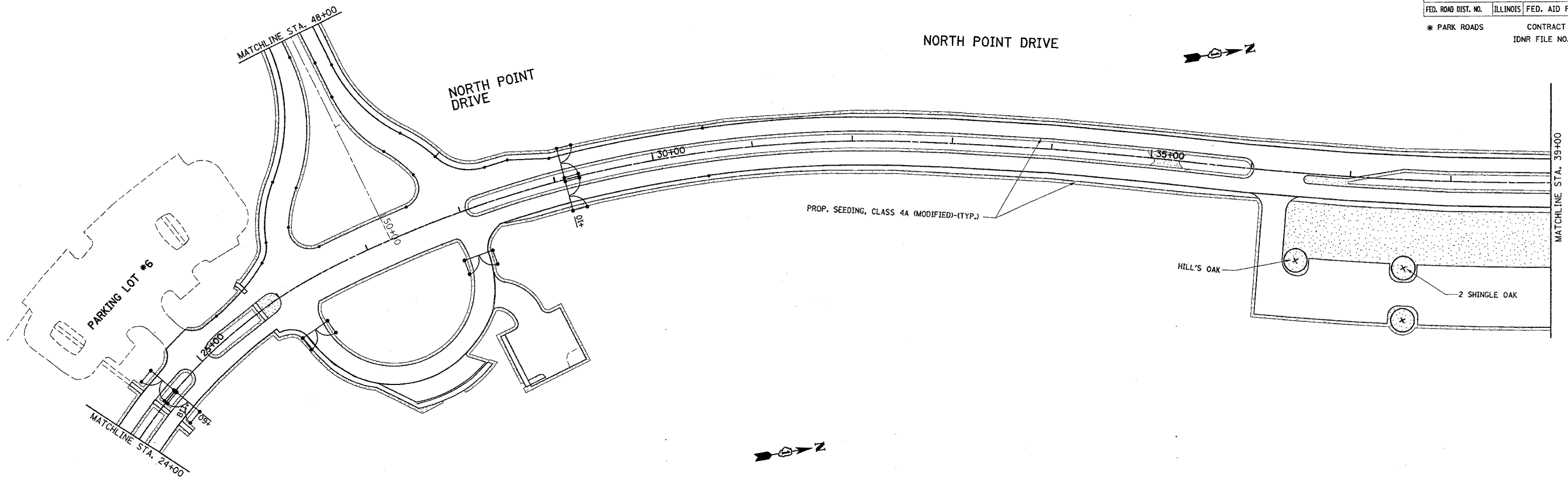
SCALE: VERT. 1"=50'
HORIZ. 1"=50'

DATE 1/6/2006

DRAWN BY
CHECKED BY

*REF-PMK05
*REF-PMK06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	70
STA. 24+00		TO STA. 51+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* PARK ROADS		CONTRACT NO. 62745		IDNR FILE NO. 2-03-0254



NOTE: SEE SPECIAL PROVISION FOR ALL SEEDING AND LANDSCAPING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

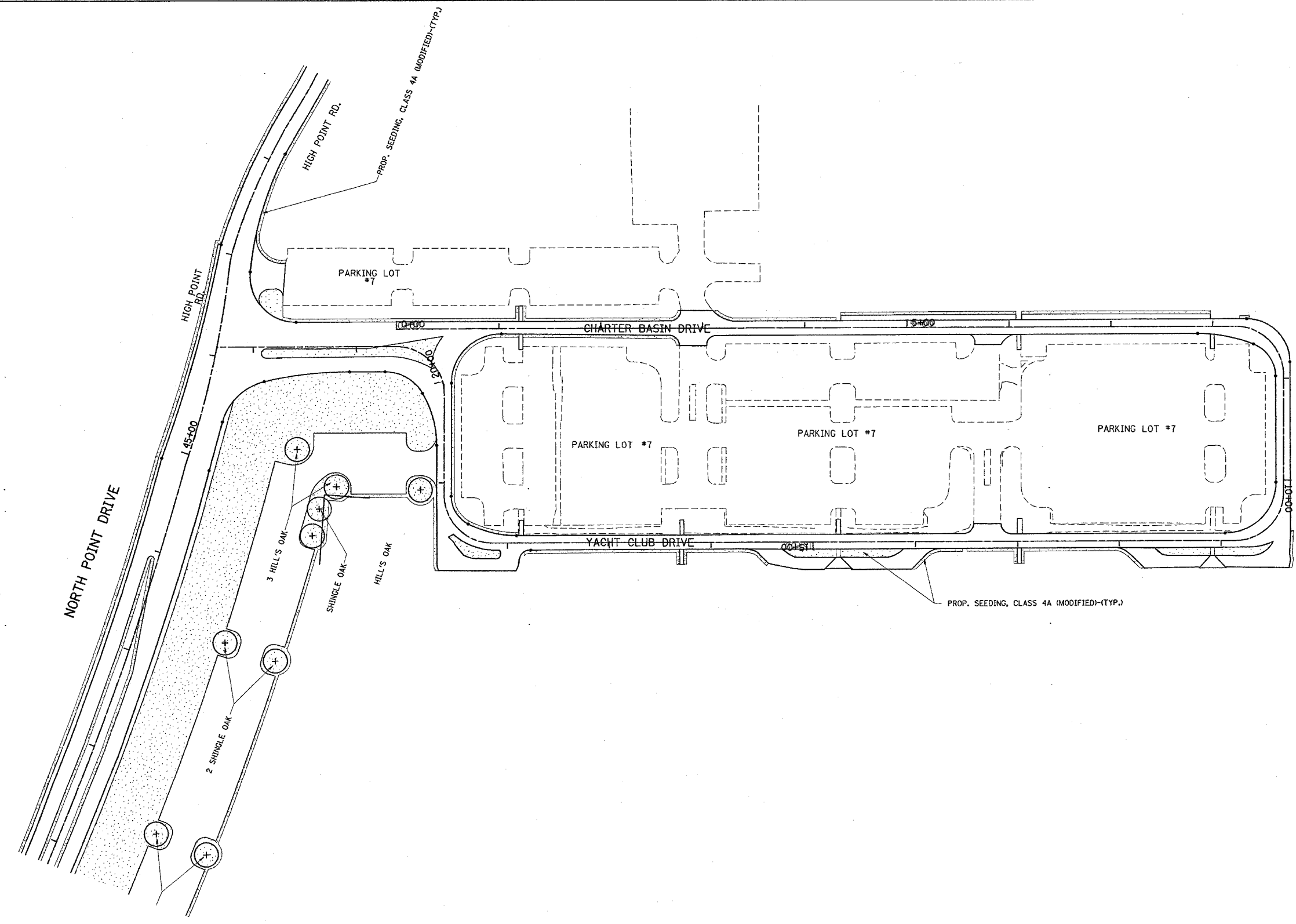
**LANDSCAPING PLAN
NORTH POINT MARINA**

VERT. 1"=50'
SCALE: HORIZ.
DATE 1/23/2006

DRAWN BY
CHECKED BY

REF-PMK08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	71
STA. 0+00		TO STA. 22+35		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



NOTE: SEE SPECIAL PROVISION FOR ALL SEEDING AND LANDSCAPING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
NORTH POINT MARINA
YACHT CLUB DRIVE

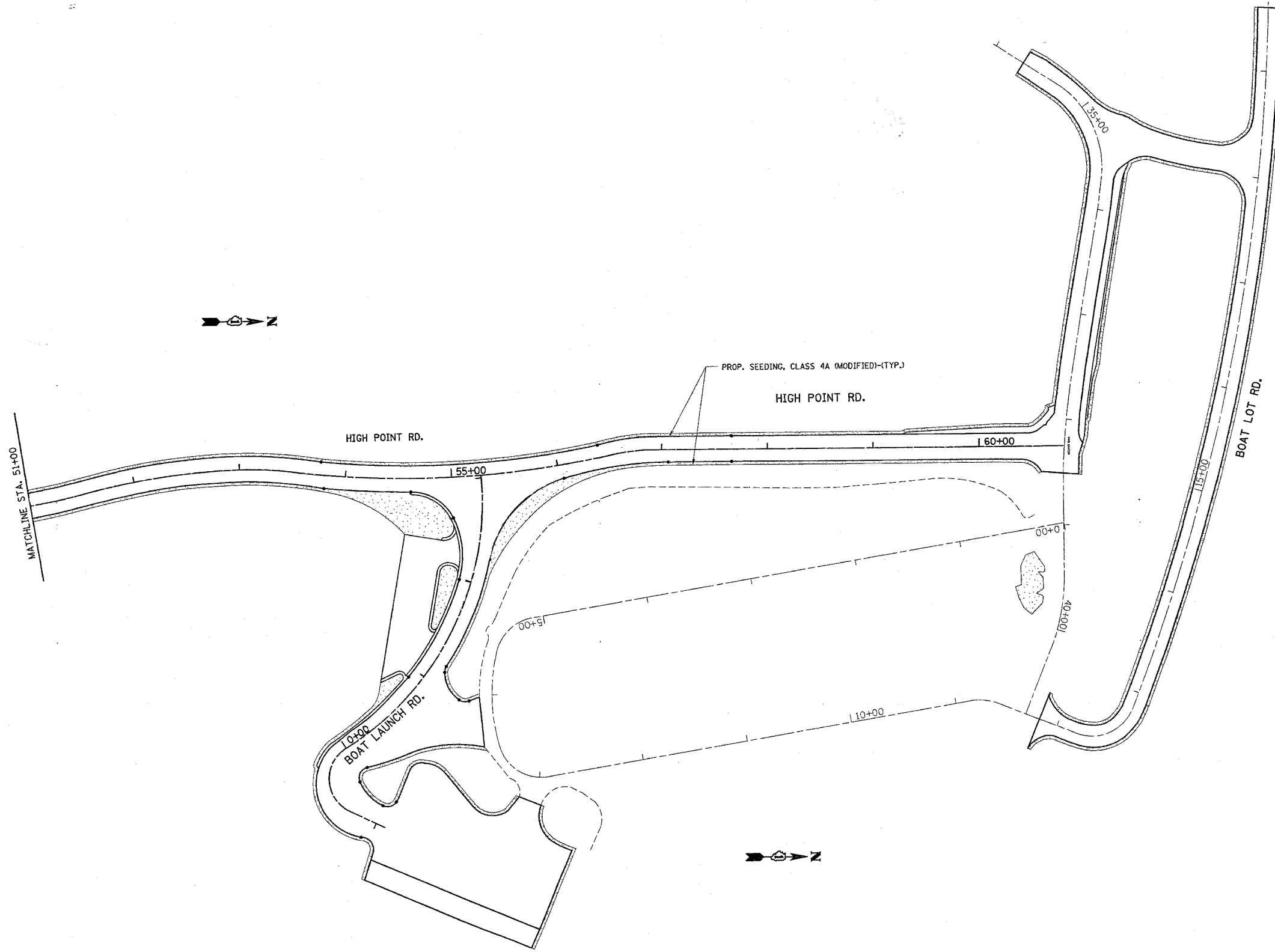
SCALE: VERT. 1"=50'
 HORIZ. 1"=50'

DATE 1/6/2006

DRAWN BY _____
 CHECKED BY _____

REF-PMK07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	72
STA. 51+00		TO STA. 60+80		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



NOTE: SEE SPECIAL PROVISION FOR ALL SEEDING AND LANDSCAPING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LANDSCAPING PLAN
NORTH POINT MARINA
HIGH POINT RD., BOAT LAUNCH RD.
& BOAT LOT ROAD

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/6/2006

DRAWN BY
 CHECKED BY





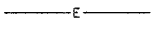
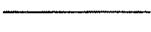
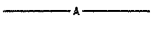
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	73
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS	DNR FILE NO. 2-03-025A			

GENERAL NOTES

1. ALL RELOCATED LIGHT POLES SHALL BE GROUNDED AND BONDED CONFORMING TO NEC ARTICLE 250.

UNDER NO CIRCUMSTANCES SHALL THE ROADWAY REMAIN UNLIT. THE RELOCATION OF WORK ASSOCIATED WITH THE LIGHT POLES SHALL BE STAGED SO THAT THE RECONNECTIONS OF ALL THE LIGHT POLES SHALL BE ACCOMPLISHED DURING THE DAY TIME.
2. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES AND POSSIBLE CONFLICTS BEFORE TRENCHING AND AUGURING.
4. THE CONTRACTOR SHALL NOT SPLICE UNDERGROUND CABLES/CONDUCTORS EXCEPT IN THE LIGHT POLE HANDHOLE.
5. ALL CONDUITS SHOWN IN TRENCH ARE SHOWN DIAGRAMMATICAL ON THE PLANS. THE CONTRACTOR SHALL FOLLOW THE NEC FOR THE PROPER NUMBER OF BENDS IN A CONDUIT RUN.
6. EACH RELOCATED LIGHT POLE SHALL BE RECONNECTED TO THE SAME EXISTING LIGHTING CIRCUIT(S).
7. THE CONTRACTOR SHALL CHECK THE EQUIPMENT GROUND CONDUCTOR CONTINUITY FOR ALL CIRCUITS AFFECTED BY THE RELOCATION WORK FOR THE FULL LENGTH OF THE RUN FROM THE LIGHTING PANEL TO THE LAST POLE OF THE CIRCUIT. THE READINGS SHALL COMPLY TO ARTICLE 801.11 OF IDOT'S STANDARD SPECIFICATIONS. IF THE GROUND CONTINUITY AT EACH POLE IS NOT IN COMPLIANCE WITH THE STANDARDS AS STATED ABOVE ALL GROUNDING AND BONDING SHALL BE CORRECTED. THIS WORK SHALL BE INCLUDED IN THE "RELOCATE EXISTING LIGHTING UNIT" PAY ITEM.

SYMBOLS

-  EXISTING LIGHTING UNIT
-  EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
-  REINSTALLED EXISTING LIGHTING UNIT
-  GROUND ROD 3/4" X 10'
-  EXISTING CABLE IN CONDUIT
-  PROPOSED ELECTRICAL CABLE 3-1/C #8 & #12 GRD. 600V. (EPR-TYPE RHW) IN 1" RIGID GALVANIZED CONDUIT IN TRENCH (RGC-T)
-  PROPOSED AERIAL CABLE, 3-1/C NO. 8, ALUMINUM, WITH MESSENGER WIRE

PLOT DATE = 1/9/2006
 FILE NAME = c:\pwork\projects\2004\2004-025\sh_lighting.dgn
 SCALE = 3/8"=1'-0"
 USER NAME = dfranklin

REVISIONS	
NAME	DATE
REVISED	12/16/05
REVISED	01/09/06

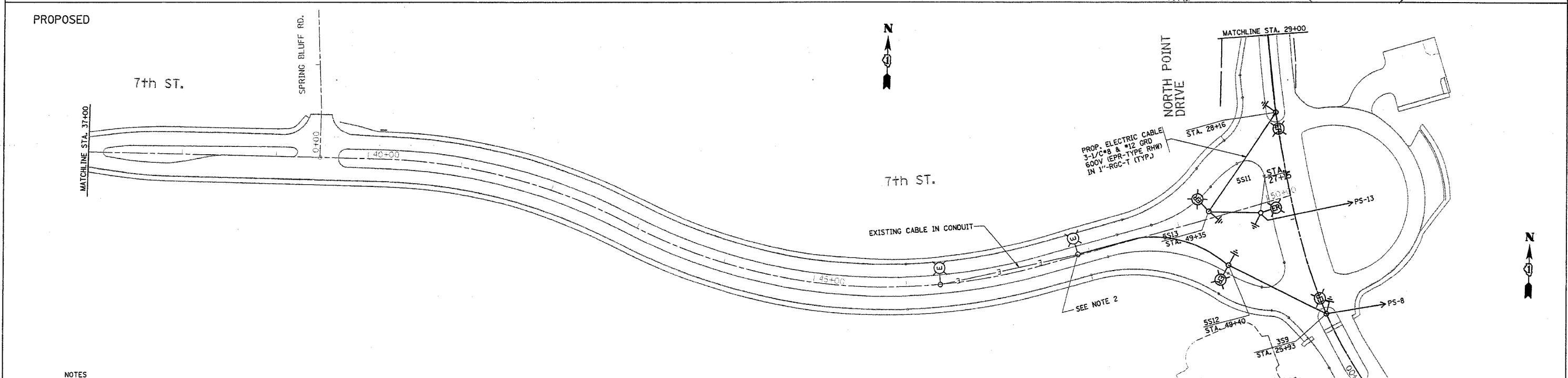
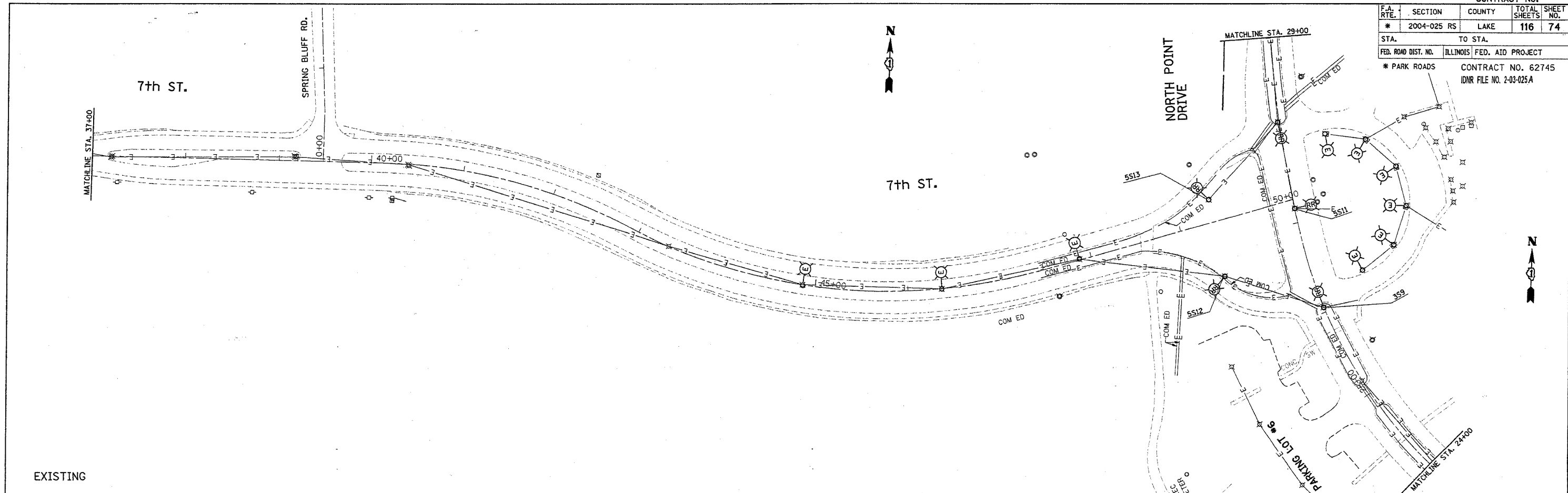
ILLINOIS DEPARTMENT OF TRANSPORTATION

NORTH POINT MARINA
 GENERAL NOTES & SYMBOLS

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

CONTRACT NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	74
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO. 62745		
* PARK ROADS		IDNR FILE NO. 2-03-025A		



NOTES

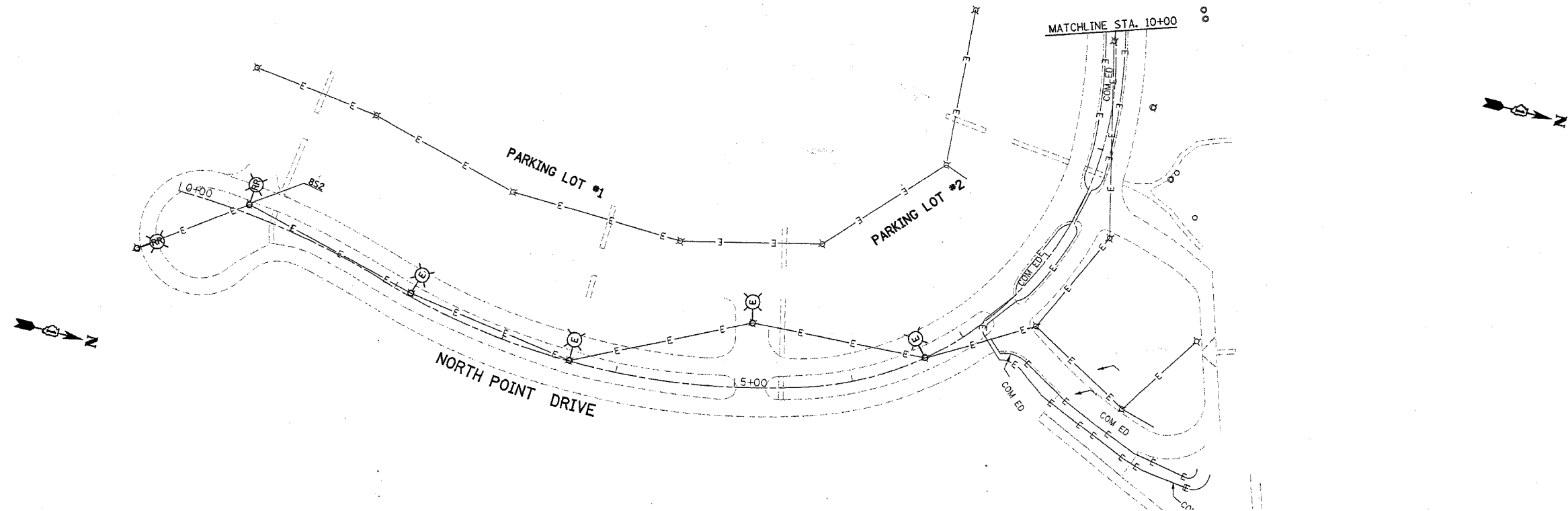
1. ALL RELOCATED LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 6 FEET FROM PROPOSED EDGE OF TRAVELED PAVEMENT, OR BACK OF CURB.
2. CONTRACTOR TO SPLICE THE NEW CABLES IN THE LIGHT POLE HANDHOLE.
3. THE EXISTING CABLE/CONDUCTORS AND CONDUIT SHALL BE DISCONNECTED AND REMOVED. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE 1"-RGC IN TRENCH PAY ITEM.

REVISIONS	
NAME	DATE
REVISED	01/09/06

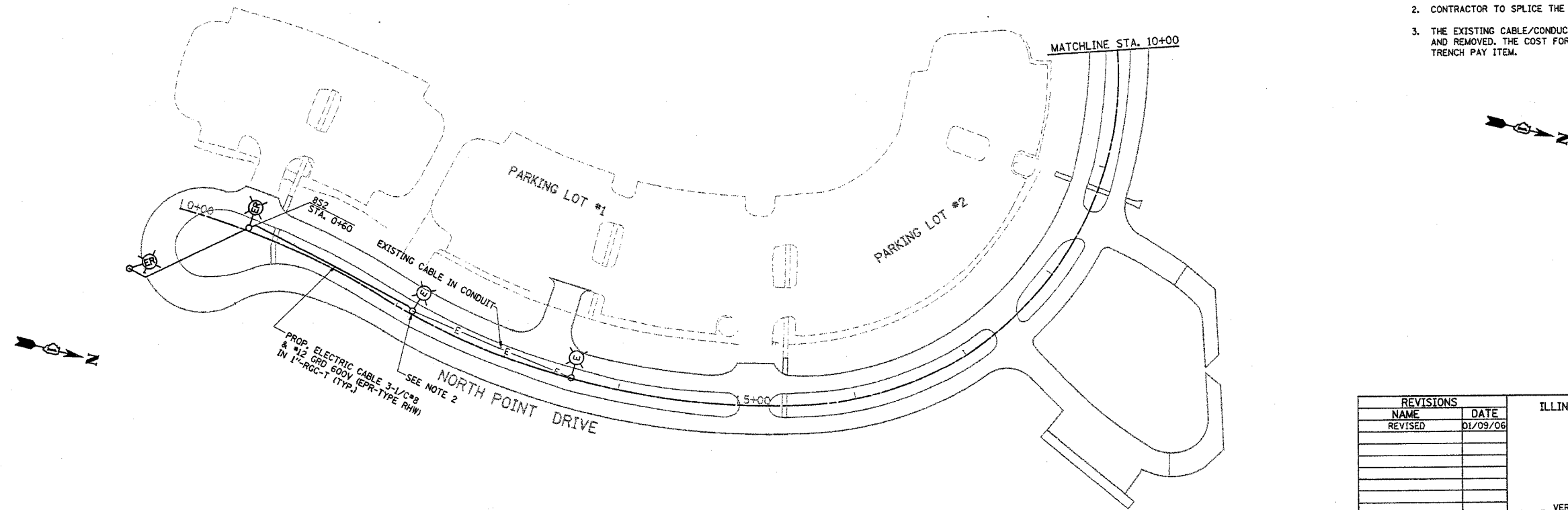
ILLINOIS DEPARTMENT OF TRANSPORTATION
**NORTH POINT MARINA
 7TH STREET
 EXISTING AND PROPOSED
 LIGHTING PLANS**
 SCALE: VERT. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 1/9/2006
 PLOT SCALE = 1"=40'
 USER NAME = dbrakosgn

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	75
STA. 0+00		TO STA. 9+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745 IDNR FILE NO. 2-03-025A		



EXISTING



PROPOSED

NOTES

1. ALL RELOCATED LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 6 FEET FROM PROPOSED EDGE OF TRAVELED PAVEMENT, OR BACK OF CURB.
2. CONTRACTOR TO SPLICE THE NEW CABLES IN THE LIGHT POLE HANDHOLE.
3. THE EXISTING CABLE/CONDUCTORS AND CONDUIT SHALL BE DISCONNECTED AND REMOVED. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE 1"-RGC IN TRENCH PAY ITEM.

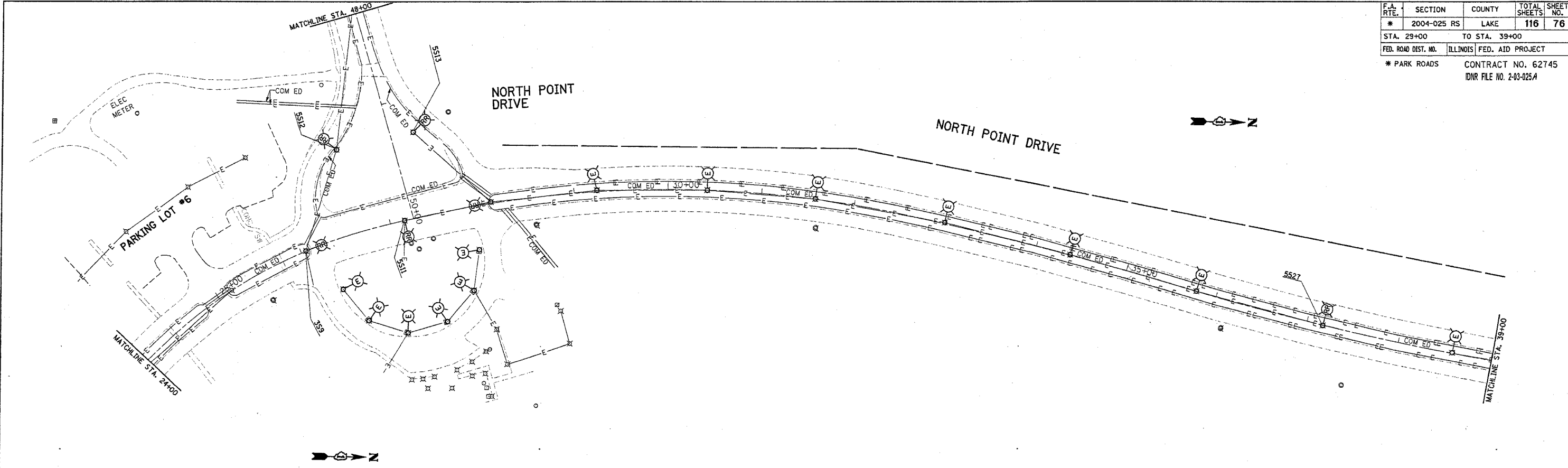
REVISIONS	
NAME	DATE
REVISED	01/09/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
 NORTH POINT MARINA
 NORTH POINT DR.
 EXISTING AND PROPOSED
 LIGHTING PLANS

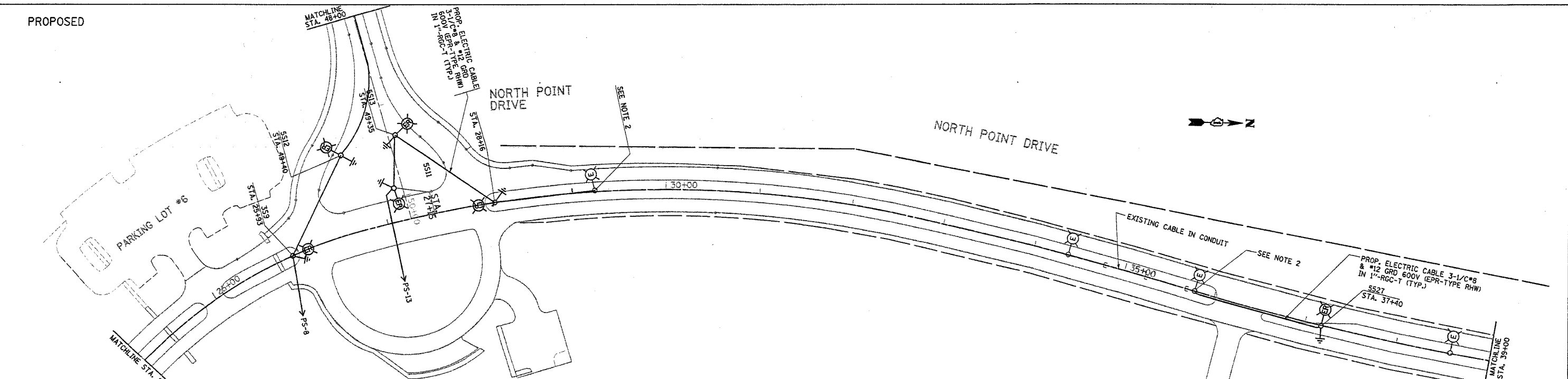
SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 1/9/2006
 FILE NAME = c:\pcc\jests\p131482\ah_lighting.dgn
 PLOT SCALE = 8/1600000 7/11
 USER NAME = drivedesign

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	76
STA. 29+00		TO STA. 39+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



EXISTING



PROPOSED

NOTES

1. ALL RELOCATED LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 6 FEET FROM PROPOSED EDGE OF TRAVELED PAVEMENT, OR BACK OF CURB.
2. CONTRACTOR TO SPLICE THE NEW CABLES IN THE LIGHT POLE HANDHOLE.
3. THE EXISTING CABLE/CONDUCTORS AND CONDUIT SHALL BE DISCONNECTED AND REMOVED. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE 1"-RGC IN TRENCH PAY ITEM.

REVISIONS	
NAME	DATE
REVISED	01/09/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

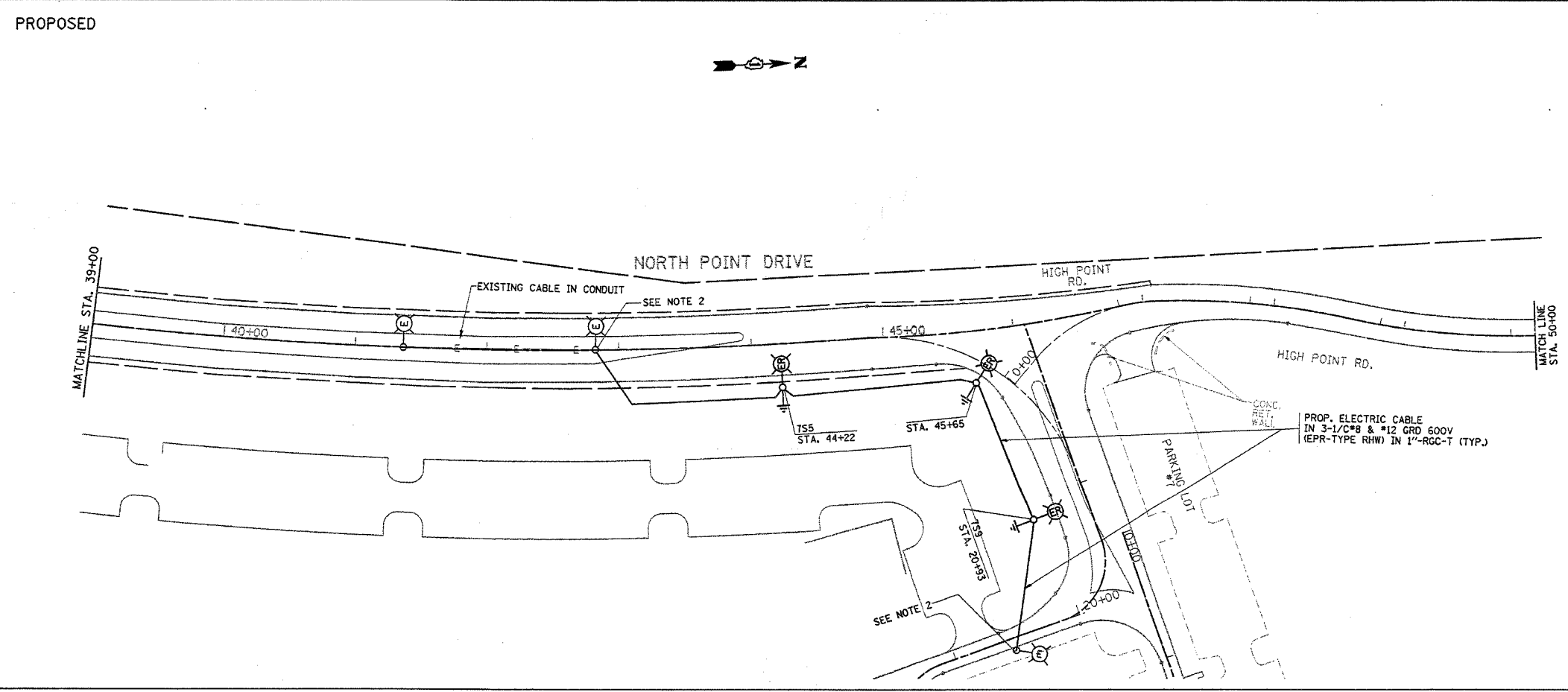
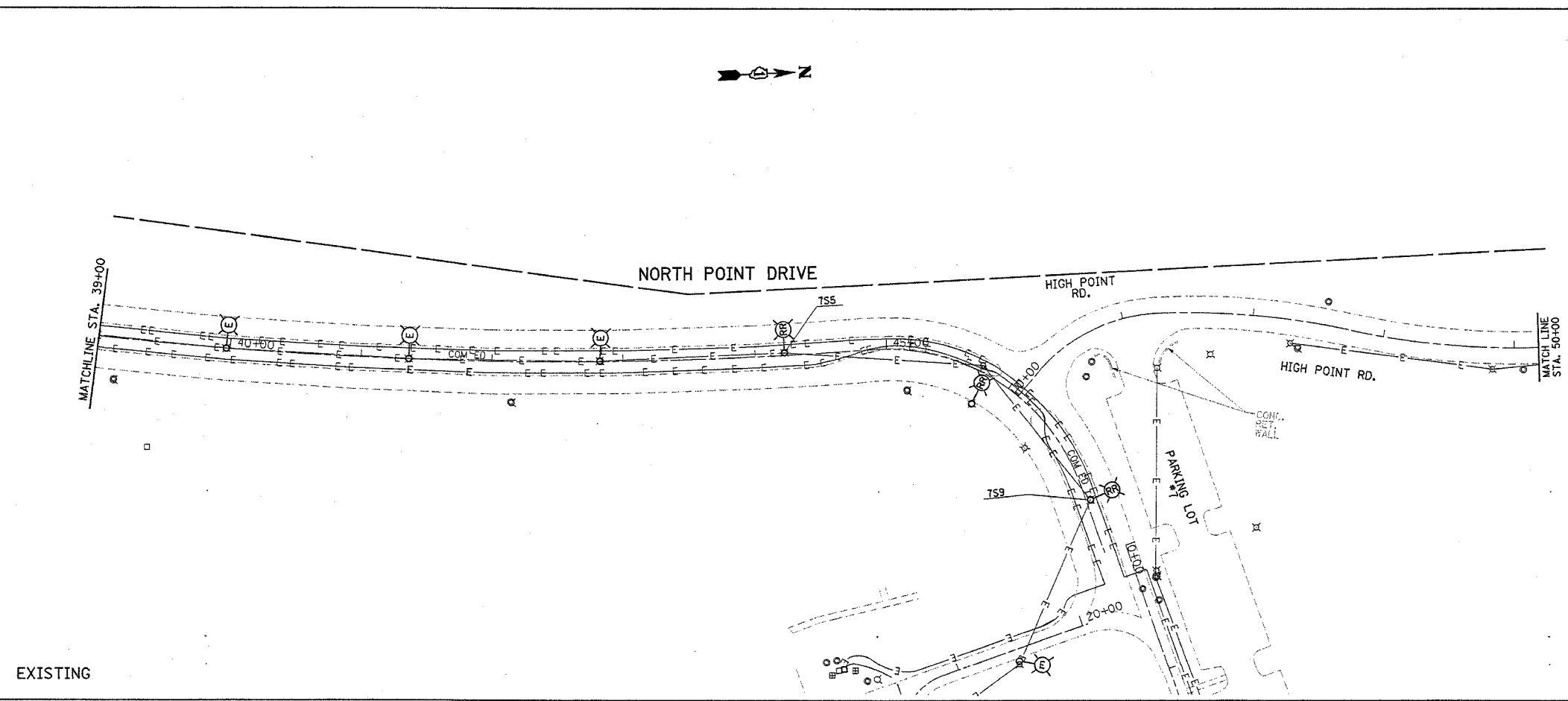
**NORTH POINT MARINA
NORTH POINT DR.
EXISTING AND PROPOSED
LIGHTING PLANS**

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLOT DATE = 1/9/2006
 PLOT SCALE = 1"=40'
 USER NAME = drvwkspgn

CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
* 2004-025 RS	LAKE	116	77
STA. 39+00	TO STA. 50+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
* PARK ROADS	CONTRACT NO. 62745		
	IDNR FILE NO. 2-03-025A		



- NOTES**
1. ALL RELOCATED LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 6 FEET FROM PROPOSED EDGE OF TRAVELED PAVEMENT, OR BACK OF CURB.
 2. CONTRACTOR TO SPLICE THE NEW CABLES IN THE LIGHT POLE HANDHOLE.
 3. THE EXISTING CABLE/CONDUCTORS AND CONDUIT SHALL BE DISCONNECTED AND REMOVED. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE 1"-RCC-T IN TRENCH PAY ITEM.

REVISIONS	
NAME	DATE
REVISED	12/16/05
REVISED	01/09/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

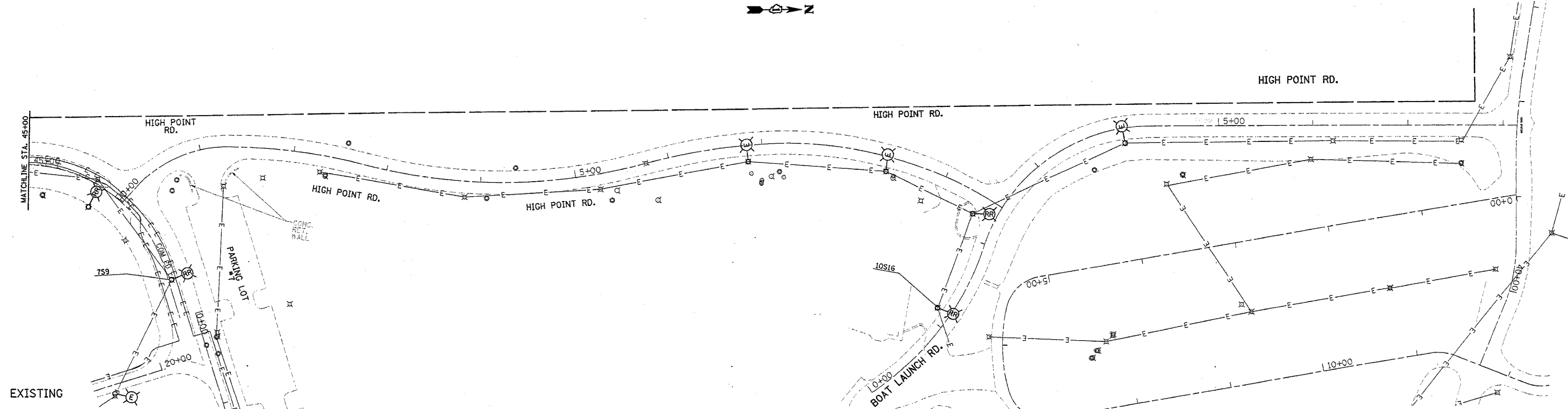
**NORTH POINT MARINA
NORTH POINT DR.
EXISTING AND PROPOSED
LIGHTING PLANS**

SCALE: VERT. _____
HORIZ. _____
DATE _____

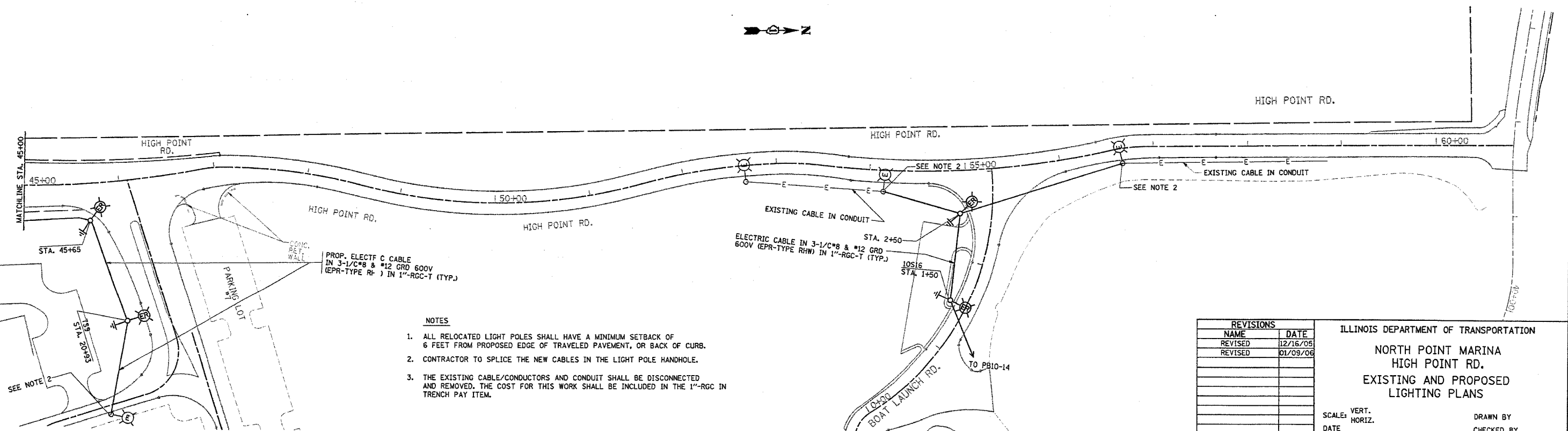
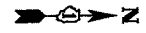
DRAWN BY _____
CHECKED BY _____

PLOT DATE = 1/9/2006
PLOT SCALE = 1"=40'-0"
USER NAME = dravakogp

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	78
STA. 50+00		TO STA. 59+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



EXISTING



PROPOSED

- NOTES**
- ALL RELOCATED LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 6 FEET FROM PROPOSED EDGE OF TRAVELED PAVEMENT, OR BACK OF CURB.
 - CONTRACTOR TO SPLICE THE NEW CABLES IN THE LIGHT POLE HANDHOLE.
 - THE EXISTING CABLE/CONDUCTORS AND CONDUIT SHALL BE DISCONNECTED AND REMOVED. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE 1"-RGC IN TRENCH PAY ITEM.

REVISIONS	
NAME	DATE
REVISED	12/16/05
REVISED	01/09/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
**NORTH POINT MARINA
HIGH POINT RD.
EXISTING AND PROPOSED
LIGHTING PLANS**

SCALE: VERT. _____
HORIZ. _____

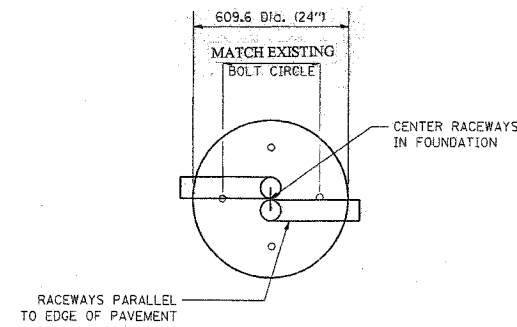
DATE _____ DRAWN BY _____
CHECKED BY _____

PLOT DATE = 1/9/2006
FILE NAME = c:\vnc\lakes\p134482\wh_lighting.dgn
PLOT SCALE = 1/8"=1'-0"
USER NAME = drakeoagn

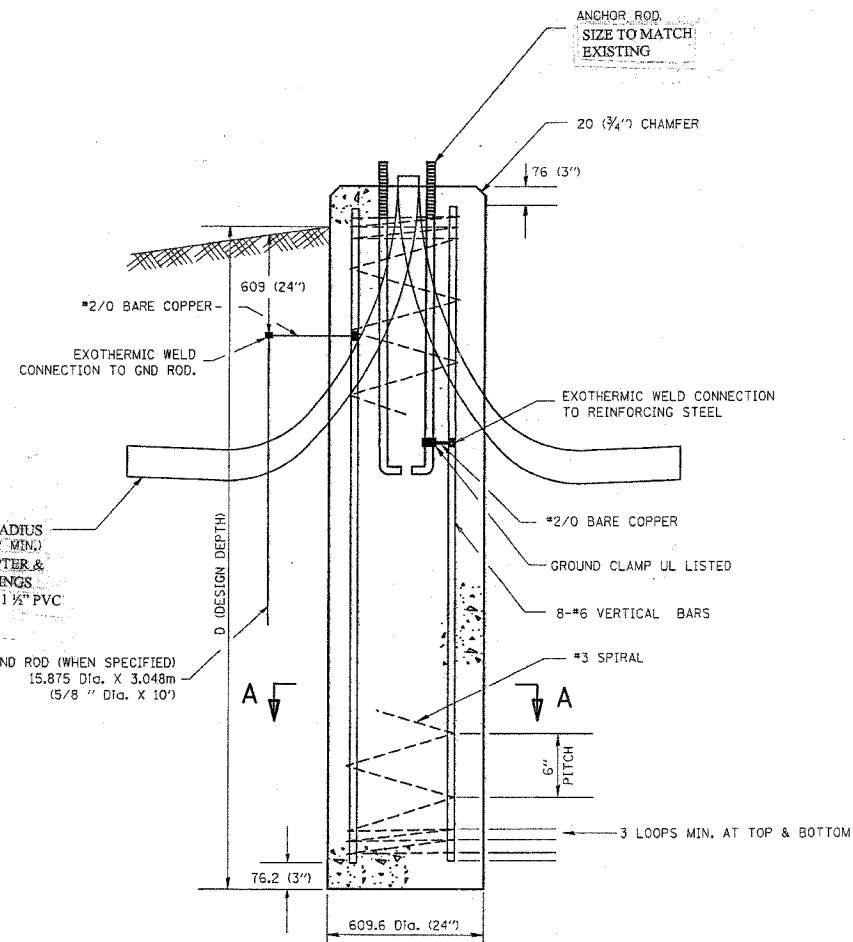
LIGHT POLE FOUNDATION DEPTH TABLE
9.144M (30 FT.) TO 10.668M (35 FT.) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	3.35 (11'-0")	3.85M (12'-8")
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	2.74M (9'-0")	4.52M (14'-10")
STIFF CLAY Qu = 1.50 TON/SQ. FT.	2.29M (7'-6")	2.61M (8'-7")
LOOSE SAND φ = 34°	2.90M (9'-6")	3.22M (10'-7")
MEDIUM SAND φ = 37.5°	2.74M (9'-0")	2.99M (9'-10")
DENSE SAND φ = 40°	2.51M (8'-3")	2.91M (9'-7")

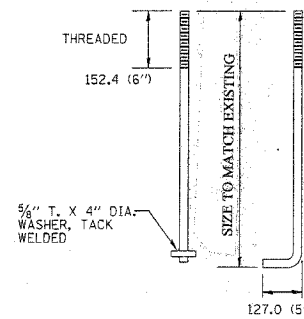
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-025 RS	LAKE	ILLINOIS	116	79
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 62745	
PARK ROADS IDNR FILE NO. 2-03-025A				



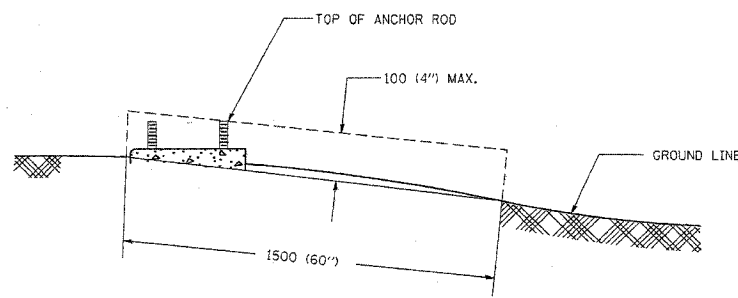
TOP VIEW



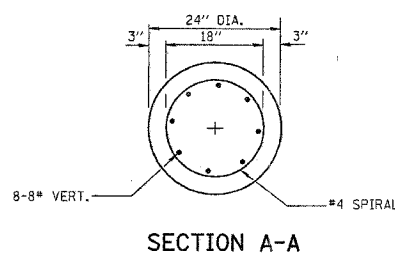
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 1.5M (60 IN.) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 20MM (3/4-IN.).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 10S). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 150 MM (6 INCHES) WITH A MINIMUM OF 75 MM (3 INCHES) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 69.9MM (2 3/4") ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 152.4MM (6") PITCH OR MAY SUBSTITUTE #3 TIES AT 304.8MM (12") O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 25.4MM (1") ABOVE THE TOP OF THE FOUNDATION.

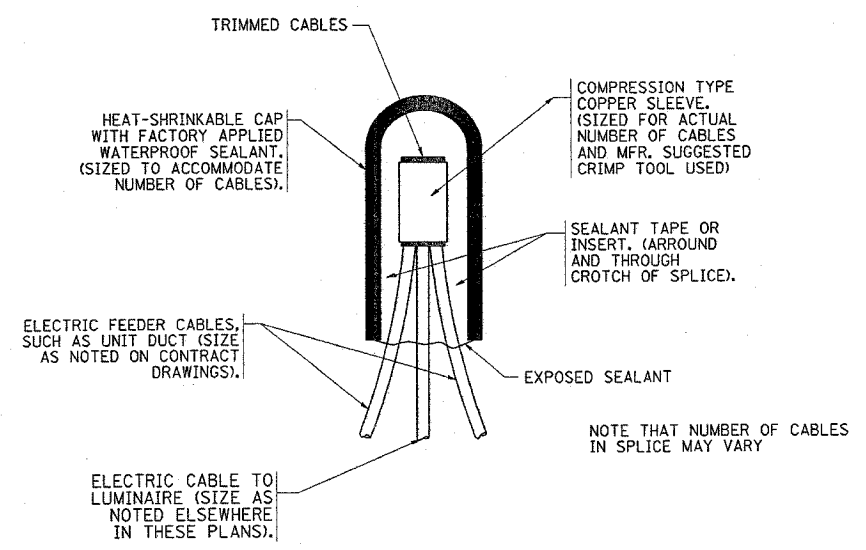
REVISIONS	
NAME	DATE
D. SIMON	4/93
D. DREW	06/15/95

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTH POINT MARINA
LIGHT POLE FOUNDATION
9.144M (30') TO 10.668M (35') MH

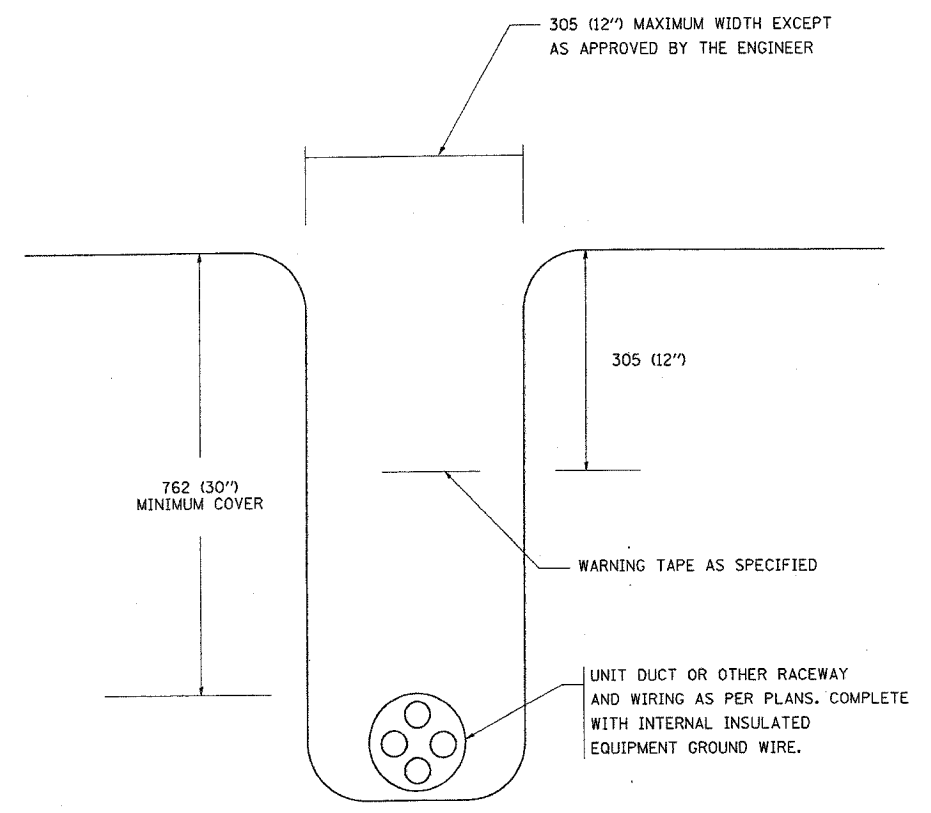
SCALE: VERT.
HORIZ.
DATE 11/29/2005

DRAWN BY
CHECKED BY

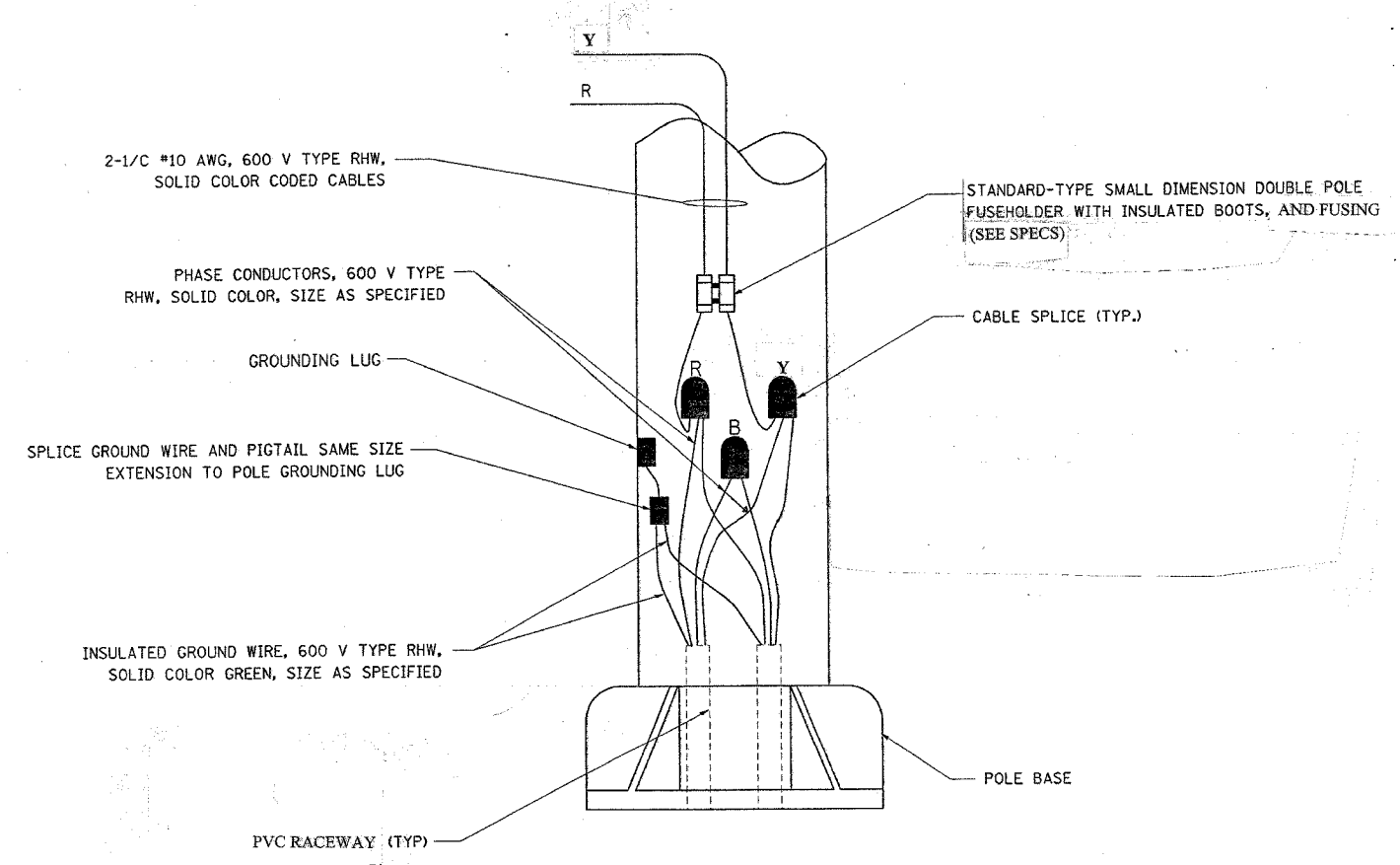
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	80
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**NORTH POINT MARINA
MISC. ELECTRICAL DETAILS**
SCALE: NONE
DATE: 11/29/2005
DRAWN BY: _____
CHECKED BY: _____
REVISION DATE: _____

DISTRICT ONE - DESIGN
PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266

SHEET 51 OF 56

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-025 RS	LAKE	ILLINOIS	116	81
FED. ROAD DIST. NO. 1			FED. AID PROJECT	
PARK ROADS			CONTRACT NO. 62745	
I.D.N.R. FILE NO. 2-03-025A			091-191-04	

TOTAL - BILL OF MATERIALS

ITEM	UNIT	QUANTITY
REMOVAL OF EXISTING RIPRAP	SQ. YD.	232
GUARDRAIL REMOVAL	FOOT	26
FENCE TO BE REMOVED AND RE-ERECTED	FOOT	66
STRUCTURE EXCAVATION	CU. YD.	31
CONCRETE HEADWALL REMOVAL	EACH	1
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	500
STORM SEWER REMOVAL 42"	FOOT	3'-0"
STORM SEWER REMOVAL 36"	FOOT	4'-0"
COARSE AGGREGATE	TONS	24
CONCRETE STRUCTURES	CU. YD.	28
REINFORCEMENT BARS, EPOXY COATED	POUND	2620
STORM SEWER, CLASS A, TYPE 1, 36"	FOOT	16
STORM SEWER, CLASS A, TYPE 1, 42"	FOOT	16
JOINT FILLING	FOOT	52
TRENCH BACK FILL	CU. YD.	58
TOP SOIL FURNISH AND PLACE, 4" (SPECIAL)	SQ. YD.	85
SEEDING, CLASS 4A (MODIFIED)	ACRES	0.02
GRANULAR BACK FILL	TONS	137
REMOVE EXISTING FLARED END SECTION	EACH	1
CAST IRON STEPS	EACH	4
EPOXY PAVEMENT MARKING - LINE 4	FOOT	40
SKIRTED STEEL GRATING COVER	EACH	1
SAW CUTS	FOOT	60
PAVEMENT REMOVAL	SQ. YD.	21
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, NSO, 1 1/2"	TONS	1.5
GEOTECHNICAL FABRIC	SQ. YD.	21
AGGREGATE SUBGRADE, 12"	SQ. YD.	21
BITUMINOUS BASE COURSE, SUPERPAVE 7 1/2"	SQ. YD.	5
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL 19.0, NSO, 1 1/2"	TONS	1.5

SCOPE OF WORK

REMOVE EXISTING RIPRAP.
 REMOVE EXISTING GUARDRAIL, ITS POSTS AND END SECTIONS.
 REMOVE EXISTING FENCE AND RE-ERECT IT AFTER THE CONSTRUCTION OF JUNCTION CHAMBER.
 REMOVE EXISTING HEADWALL.
 PERFORM STRUCTURAL EXCAVATION FOR THE JUNCTION CHAMBER.
 CONSTRUCT JUNCTION CHAMBER AS SHOWN.
 SAW CUT PAVEMENTS AS SHOWN ON THE SPRING BLUFF ROAD AND ON THE SOUTH PARKING LOT.
 EXCAVATE TRENCHES TO REMOVE 1'-1/2" SECTION OF TWIN 42" PIPE ON THE NORTH SIDE OF EXISTING DRAINAGE DITCH AND TO REMOVE ONE 36" FLARED SECTION AND A 3'-1/2" SECTION OF 36" PIPE ON THE SOUTH SIDE OF THE PARKING LOT.
 INSTALL 8'-0" SECTION OF TWIN 42" PIPE AND 16'-0" SECTION OF 36" PIPE AS SHOWN ON PLANS AND PERFORM JOINT FILLING BETWEEN THE PIPES AND THE WALLS OF JUNCTION CHAMBER.
 PERFORM TRENCH FILLING AROUND AND OVER THE PIPES AND AROUND AND OVER THE JUNCTION CHAMBER.
 INSTALL TOP SOIL AS SHOWN.
 INSTALL SEEDING, CLASS 4A (MODIFIED)
 RESTORE THE SITE TO ITS ORIGINAL CONDITION AS FAR AS PRACTICABLE.

STRUCTURAL NOTES:

ALL GRATINGS SHALL BE MANUFACTURED FROM ASTM A36 STEEL AND BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123.
 GRATING FOR COVER AT TOP OF JUNCTION CHAMBER SHALL HAVE BEARING BARS 3/2" DEEP BY 3/8" THICK, SPACED AT 1 3/4" CENTERS. CROSS BARS SHALL BE 1" DEEP BY 3/8" THICK, SPACED AT 4" CENTERS AND WELDED. CROSS BARS SHALL BE FLUSH WITH TOP OF GRATING.
 THE GRATING SHALL BE SUPPLIED WITH FULL DEPTH SKIRT BANDING BAR 6/2" DEEP BY 1/2" THICK, WELDED TO BEARING BARS AS SHOWN ON THE DRAWINGS.
 GRATING CLEARANCE BETWEEN JUNCTION CHAMBER WALL AND SKIRT BANDING BAR SHALL BE 1/2" UNLESS NOTED OTHERWISE.
 THE ACCESS COVER ON GRATING SHALL BE NEENAH R-1912-D OR ITS EQUIVALENT.
 FIELD WELDING SHALL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

GENERAL NOTES:

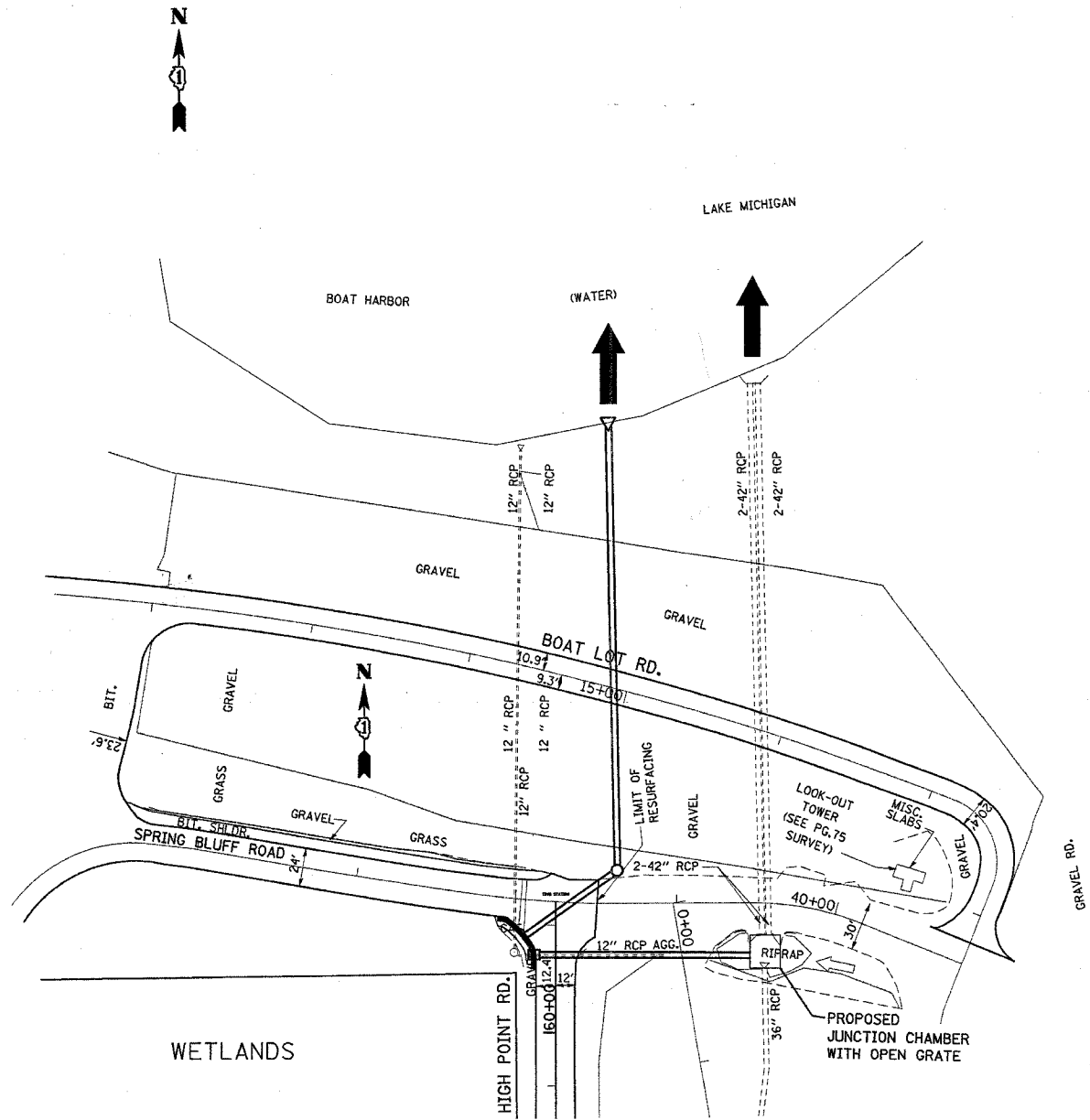
PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31, OR M322 GRADE 400. ALL CONSTRUCTION JOINTS SHALL BE BONDED.
 CLEAR COVER SHALL BE 1 1/2" EXCEPT AS NOTED.

DURING THE JUNCTION CHAMBER CONSTRUCTION THE CONTRACTOR MAY ENCOUNTER HIGH WATER TABLE AND WATER-BEARING STRATA.

CONTRACTOR SHALL NOT ENCR OACH INTO THE WETLAND AREA AND SHALL CONFINE ALL WORK TO EXISTING ROADWAY, SHOULDERS NEAR THE WETLAND.

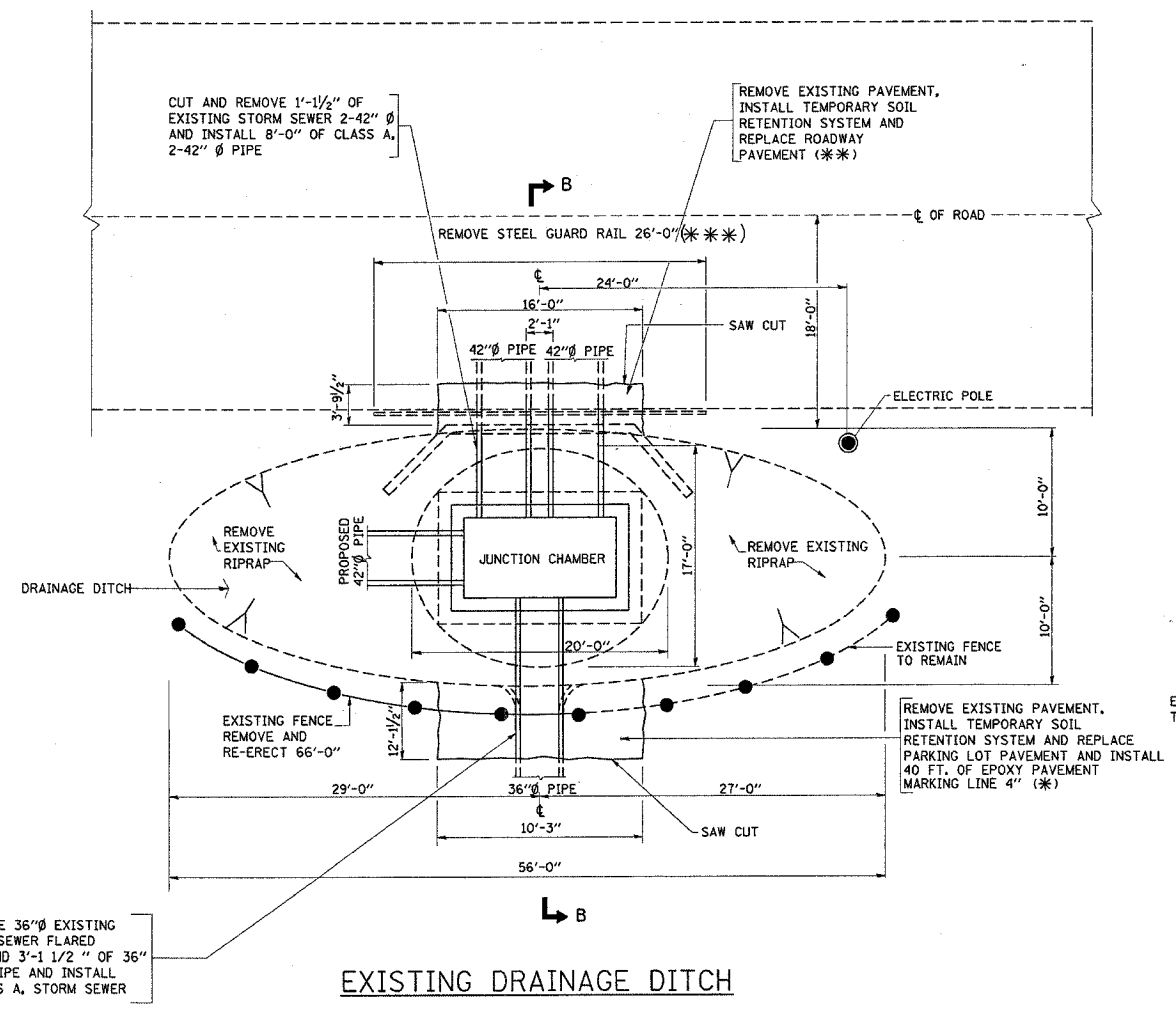
DO NOT SCALE DIMENSIONS.



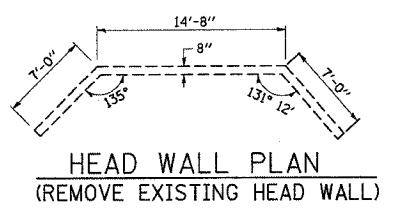
GENERAL PLAN

REVISIONS	
NAME	DATE

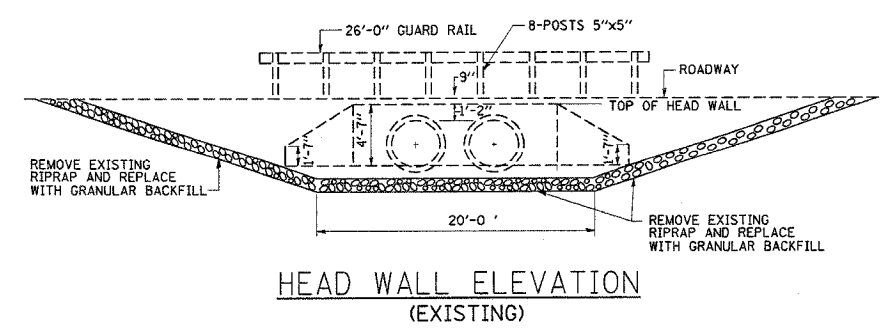
ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS BEACH STATE PARK
 (NORTH POINT MARINA)
 GENERAL NOTES AND
 GENERAL PLAN
 SCALE: VERT. NONE
 HORIZ. NONE
 DATE: JANUARY, 2006
 DRAWN BY: MVT
 CHECKED BY: RSS



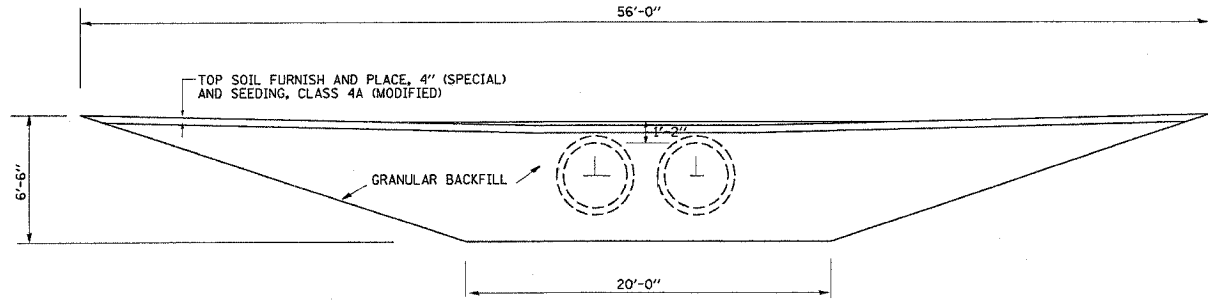
EXISTING DRAINAGE DITCH



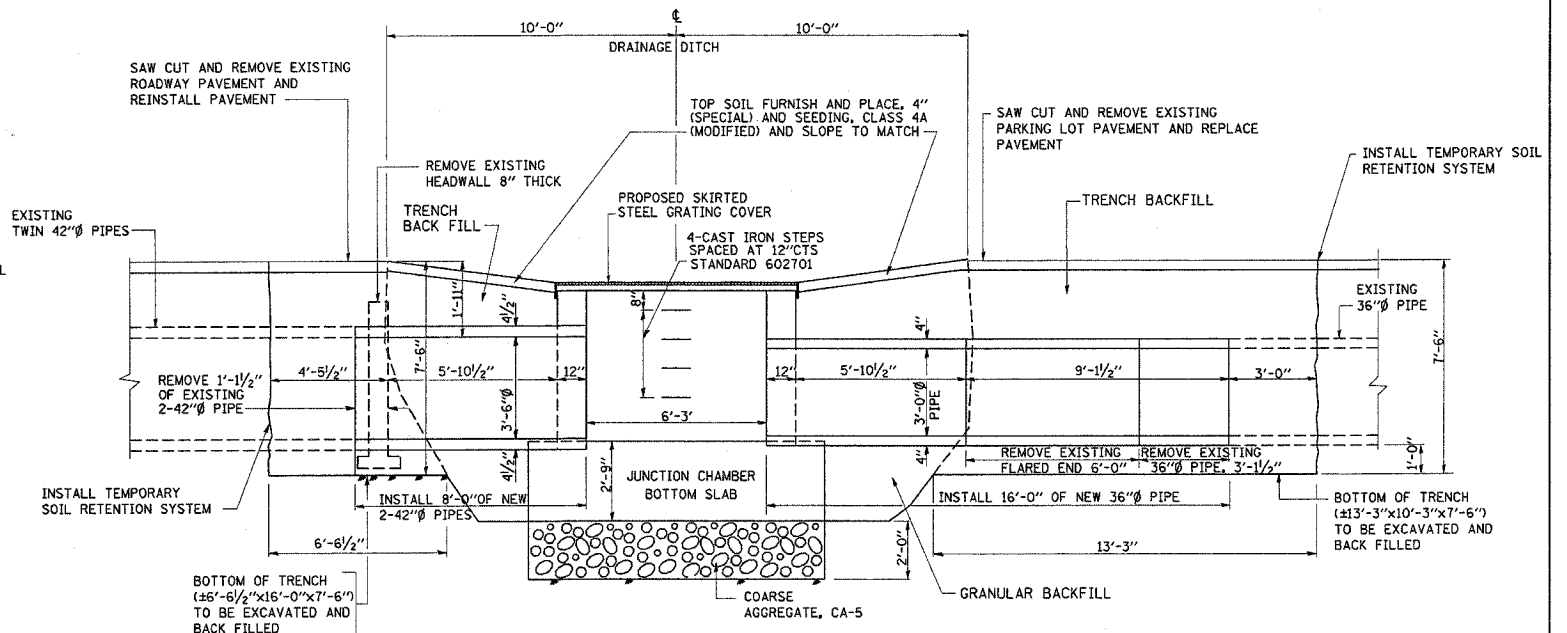
HEAD WALL PLAN (REMOVE EXISTING HEAD WALL)



HEAD WALL ELEVATION (EXISTING)



BACK FILL DRAINAGE DITCH



SECTION B-B

LEGEND:

- (*) INCLUDES INSTALLATION OF
 - (a) GEOTECHNICAL FABRIC.
 - (b) AGGREGATE SUBGRADE, 12".
 - (c) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL 19.0, N50, 1 1/2".
 - (d) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N50, 1 1/2". (SEE ROADWAY DWGS)
- (**) INCLUDES INSTALLATION OF
 - (e) GEOTECHNICAL FABRIC.
 - (f) AGGREGATE SUBGRADE, 12".
 - (g) BITUMINOUS BASE COURSE, SUPERPAVE, 7 1/2". AND
 - (h) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N50, 1 1/2". (SEE ROADWAY DWGS)
- (***) FOR TRAFFIC CONTROL SEE ROADWAY DRAWINGS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS BEACH STATE PARK
 (NORTH POINT MARINA)
 JUNCTION CHAMBER
 EXCAVATION AND DETAILS

SCALE: VERT. NONE
 HORIZ. NONE
 DATE: JANUARY, 2006

DRAWN BY: MVT
 CHECKED BY: RSS

DISTRICT ONE - DESIGN PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266

DISTRICT ONE - DESIGN
 PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266

SHEET 53 OF 56

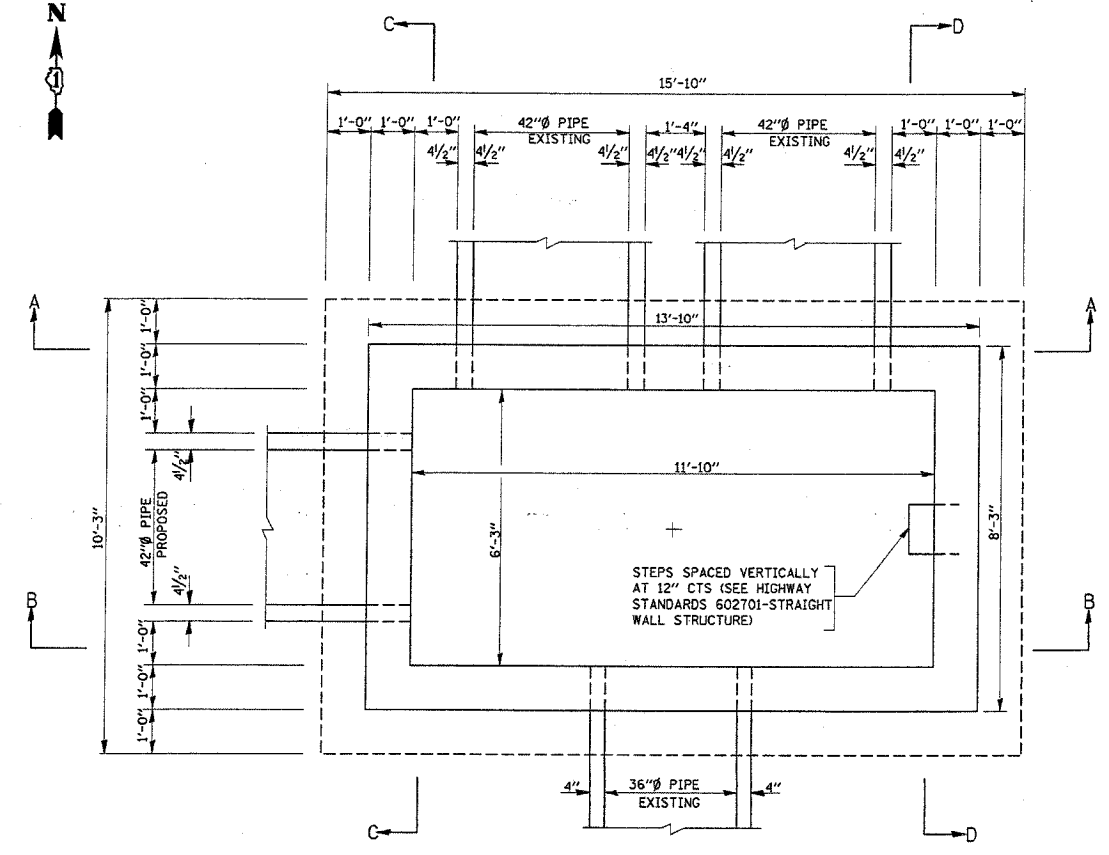
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2004-025 RS	LAKE	116	83
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

• PARK ROADS
 I.D.N.R. FILE NO.2-03-025A
 DSI-191-04

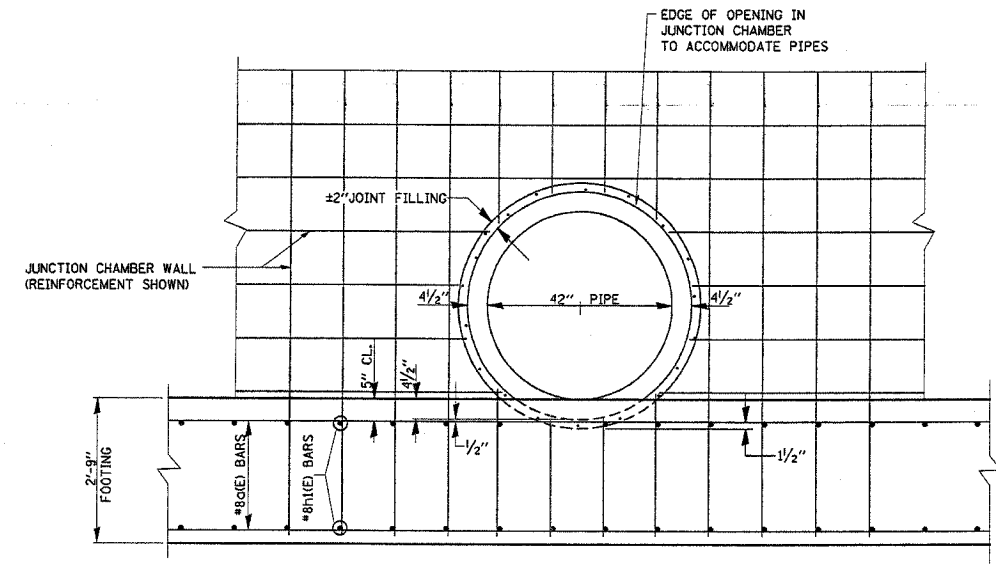
CONTRACT NO. 02745

BILL OF MATERIALS

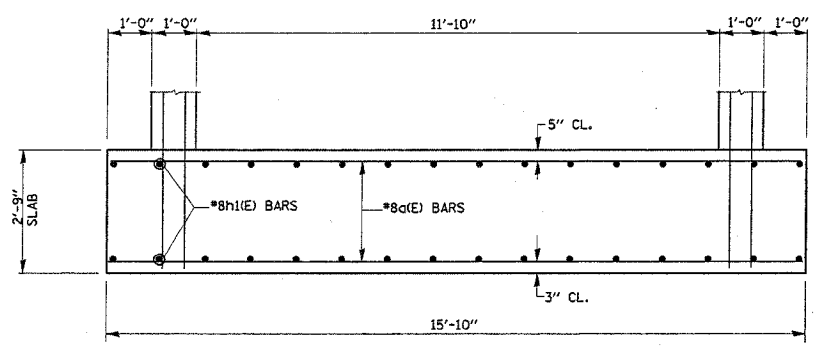
BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	22	#8	15'-7"	—
h(E)	12	#4	8'-0"	—
h1(E)	34	#8	10'-0"	—
h2(E)	16	#4	13'-7"	—
s1(E)	16	#3	4'-11"	□
s2(E)	4	#3	3'-3"	□
u1(E)	8	#4	5'-0 3/4"	┌
u2(E)	24	#4	5'-4 3/4"	┌
v(E)	86	#4	7'-6"	—
REINFORCEMENT BARS, EPOXY COATED			POUND	2620
CONCRETE STRUCTURES			CU.YD.	28
CAST IRON STEPS			EACH	4



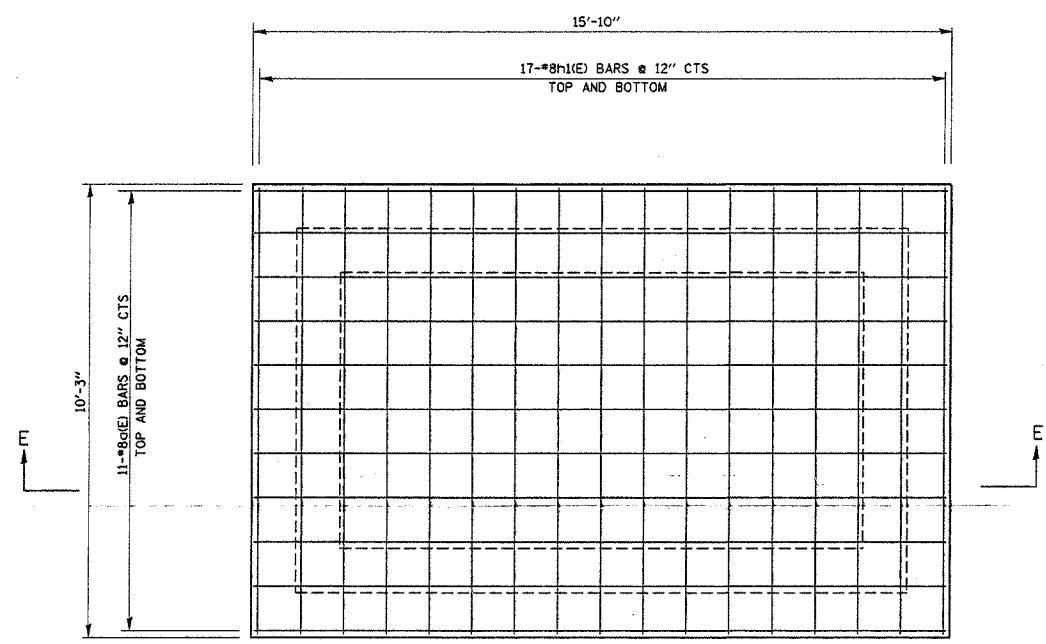
**GENERAL PLAN
 JUNCTION CHAMBER**



TYPICAL DETAIL JOINT FILLING



**SECTION E-E
 (SHOWING DETAILS OF BOTTOM SLAB REINFORCEMENT)**



PLAN BOTTOM SLAB

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS BEACH STATE PARK
 (NORTH POINT MARINA)
 JUNCTION CHAMBER
 PLAN ELEVATIONS AND DETAIL

SCALE: VERT. NONE
 HORIZ. NONE
 DATE: NOVEMBER, 2005

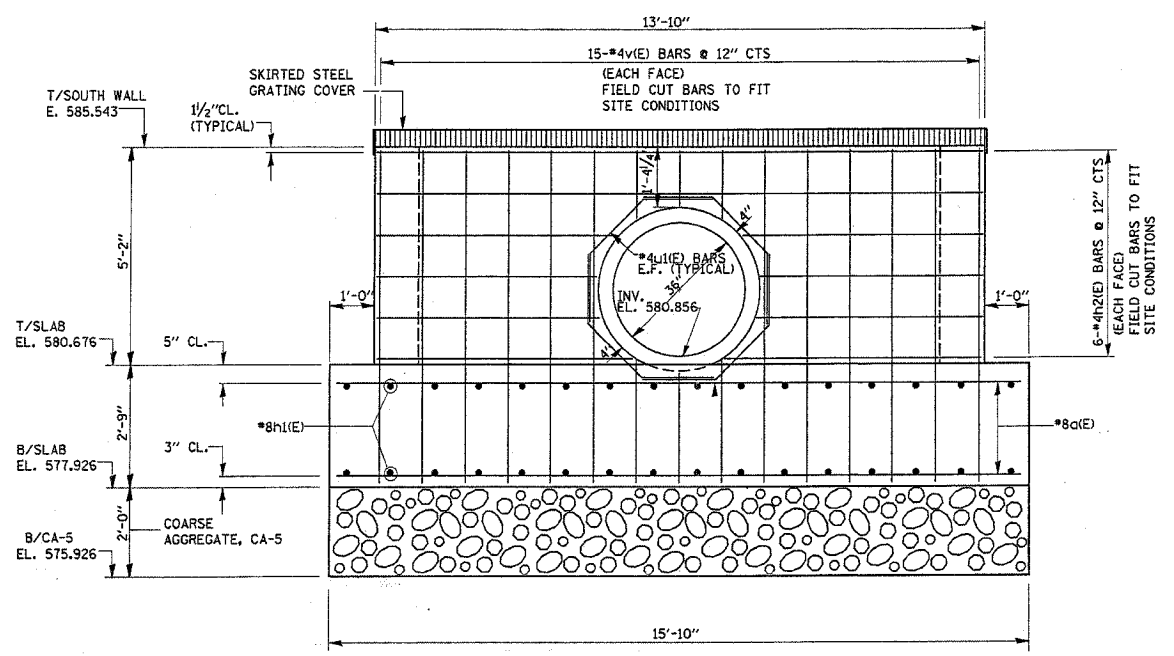
DRAWN BY: MVT
 CHECKED BY: RSS

DISTRICT ONE - DESIGN
PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266

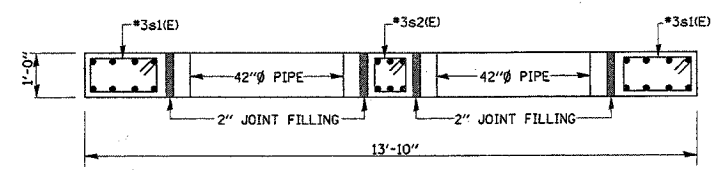
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SHEET S4 OF S6

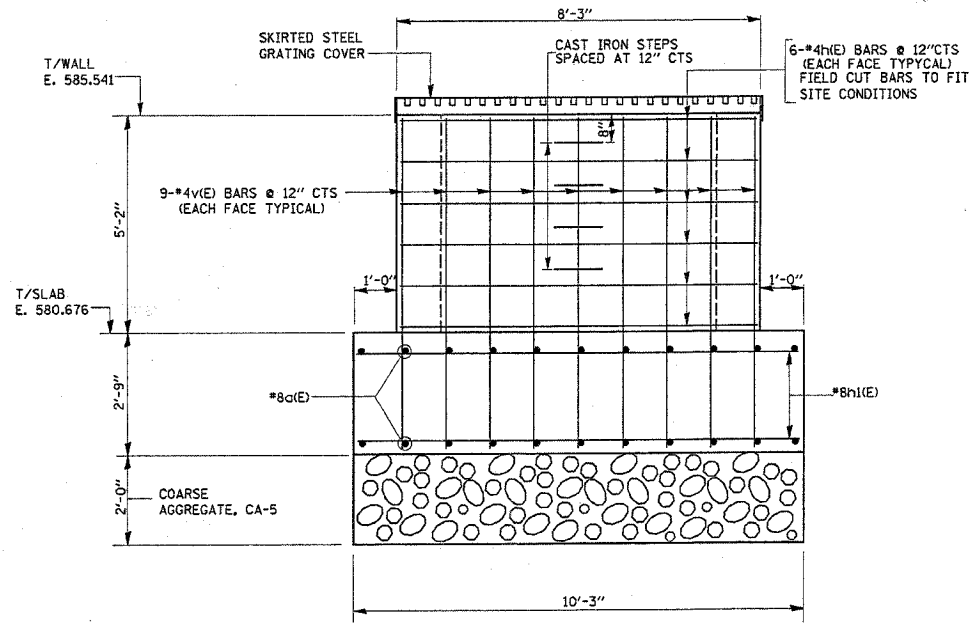
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*	2004-025 RS	LAKE	116	84
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
PARK ROADS			CONTRACT NO. 02745	
IDNR FILE NO. 2-03-025A				



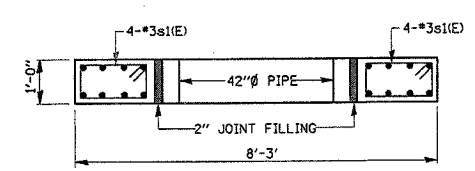
SECTION B-B
(ELEVATION SOUTH WALL)



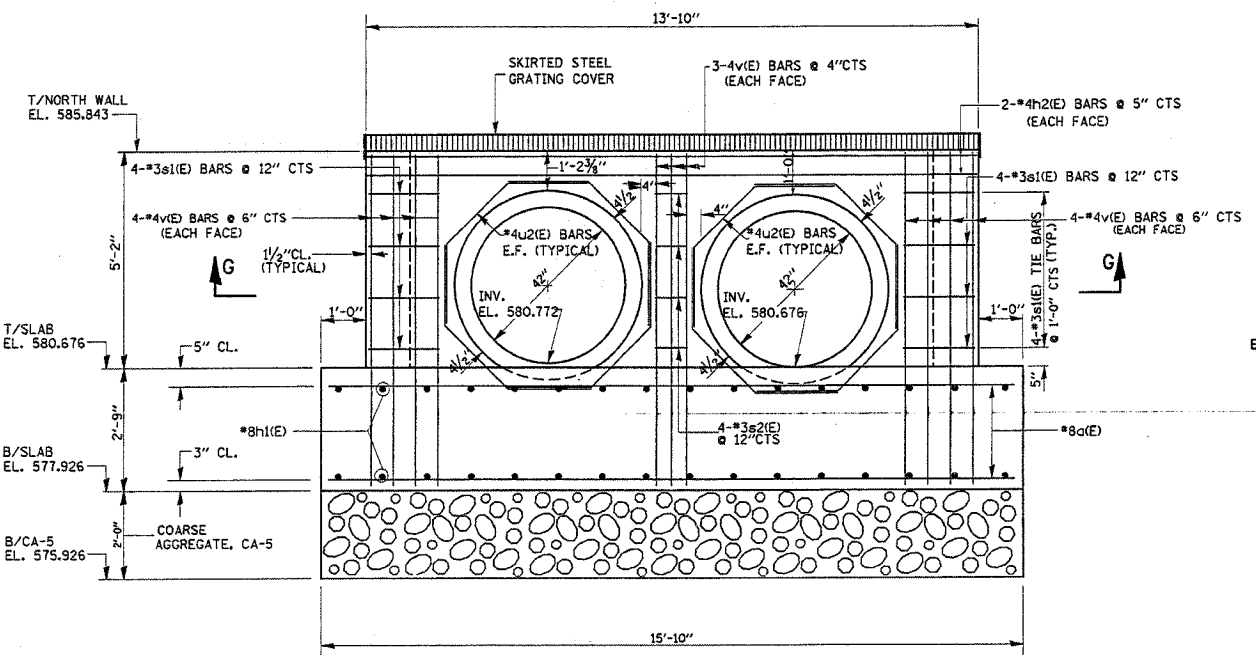
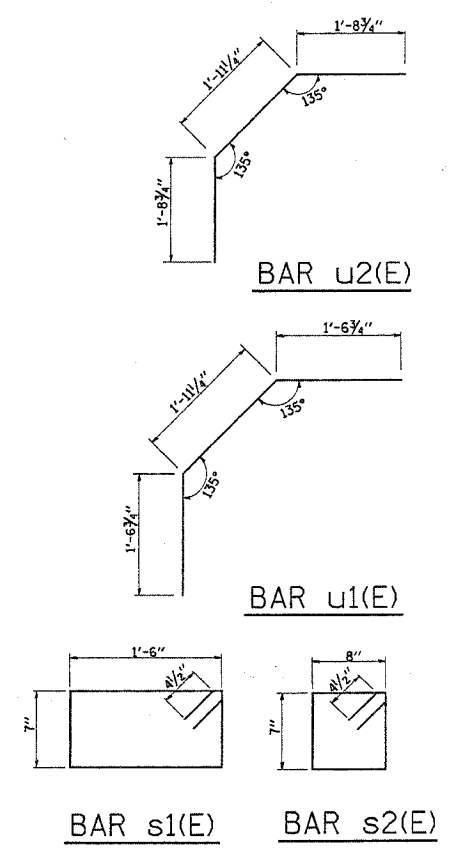
SECTION G-G



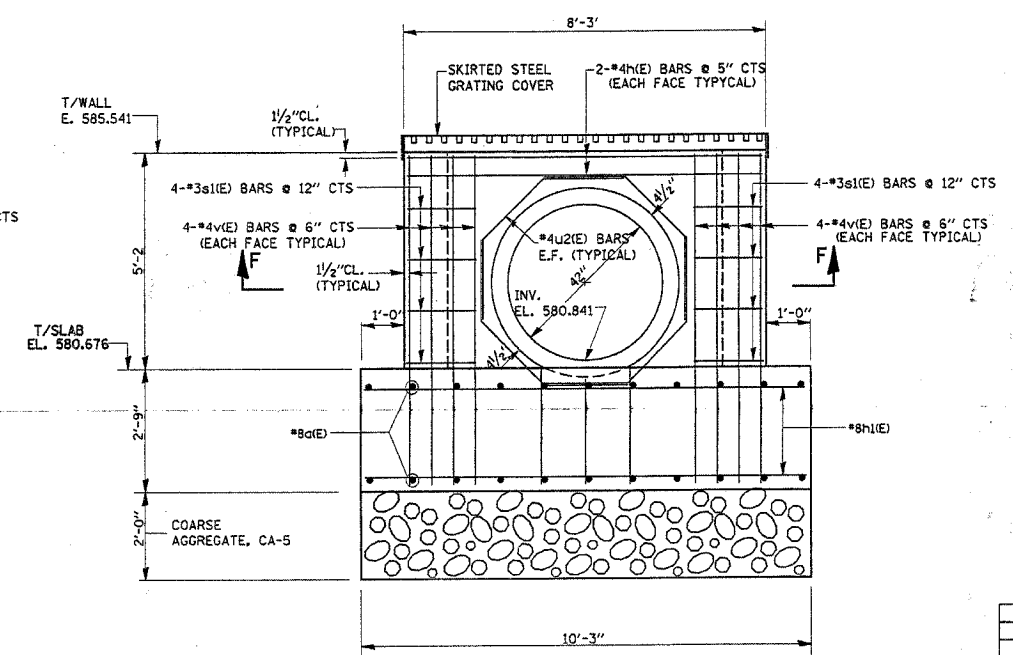
SECTION D-D
(ELEVATION EAST WALL)



SECTION F-F



SECTION A-A
(ELEVATION NORTH WALL)



SECTION C-C
(ELEVATION WEST WALL)

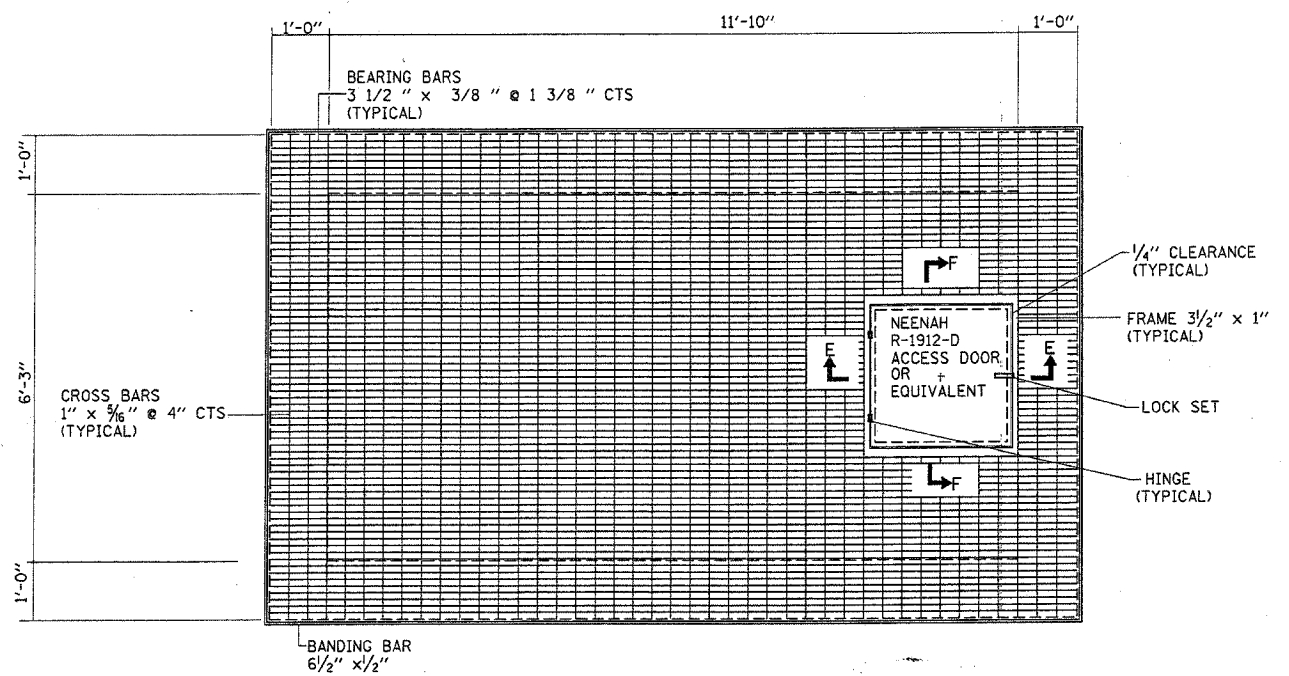
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS BEACH STATE PARK
(NORTH POINT MARINA)
JUNCTION CHAMBER
PLAN AND ELEVATIONS
SCALE: VERT. NONE
HORIZ. DATE: NOVEMBER, 2005
DRAWN BY: MVT
CHECKED BY: RSS

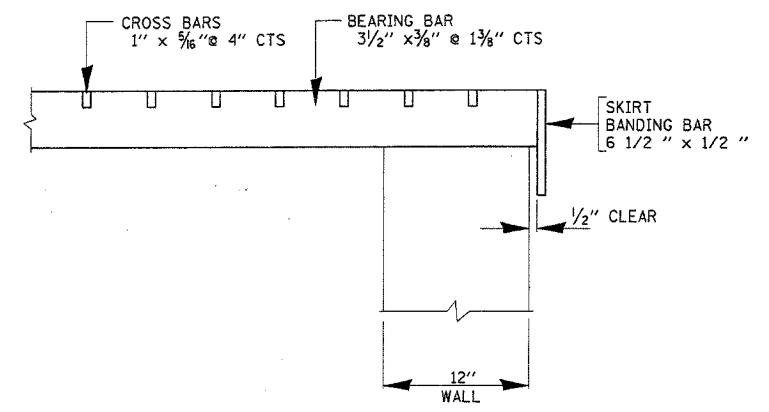
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SHEET 55 OF 56

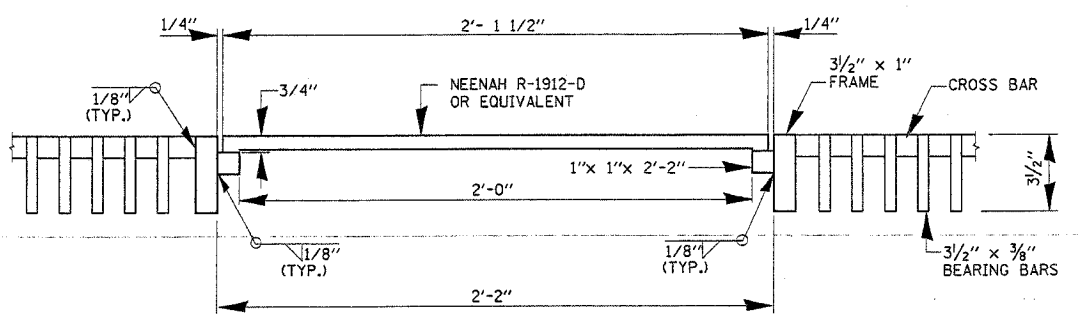
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	85
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
PARK ROADS I.D.N.R. FILE NO.2-03-025A CONTRACT NO. 62745				
D91-191-04				



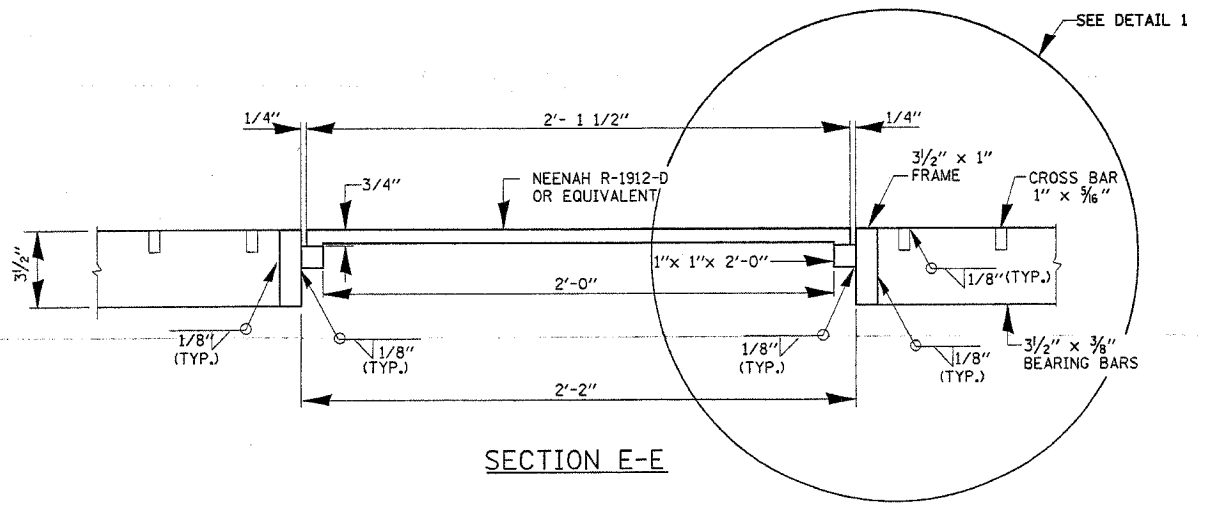
PLAN
SKIRTED STEEL GRATING COVER



DETAIL 1
(SKIRTED STEEL GRATING COVER)



SECTION F-F



SECTION E-E

REVISIONS	
NAME	DATE

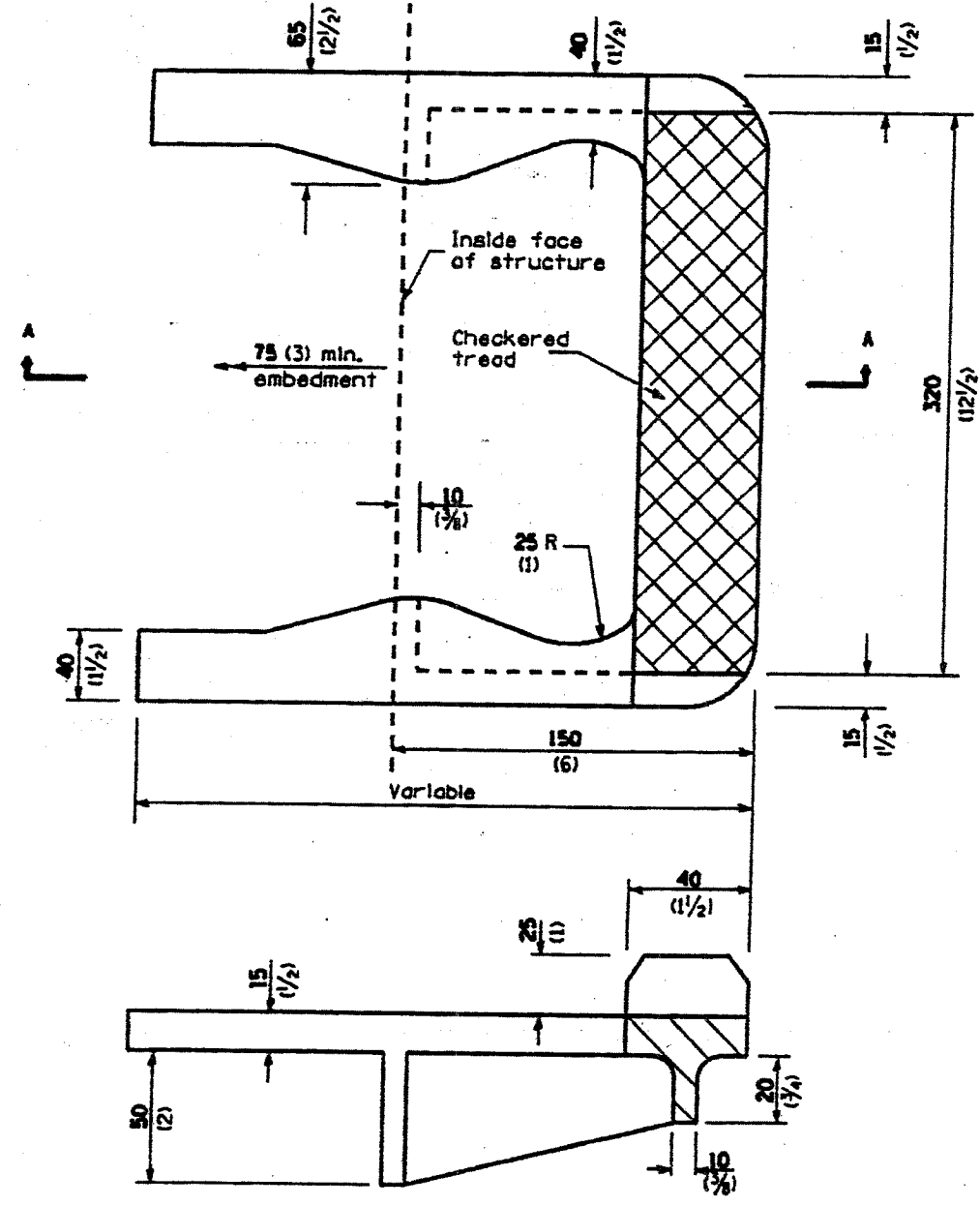
ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS BEACH STATE PARK
(NORTH POINT MARINA)
SKIRTED STEEL GRATING COVER
(DETAILS)
SCALE: VERT. NONE
HORIZ. NONE
DATE: NOVEMBER, 2005
DRAWN BY: MVT
CHECKED BY: RSS

DISTRICT ONE - DESIGN
PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266

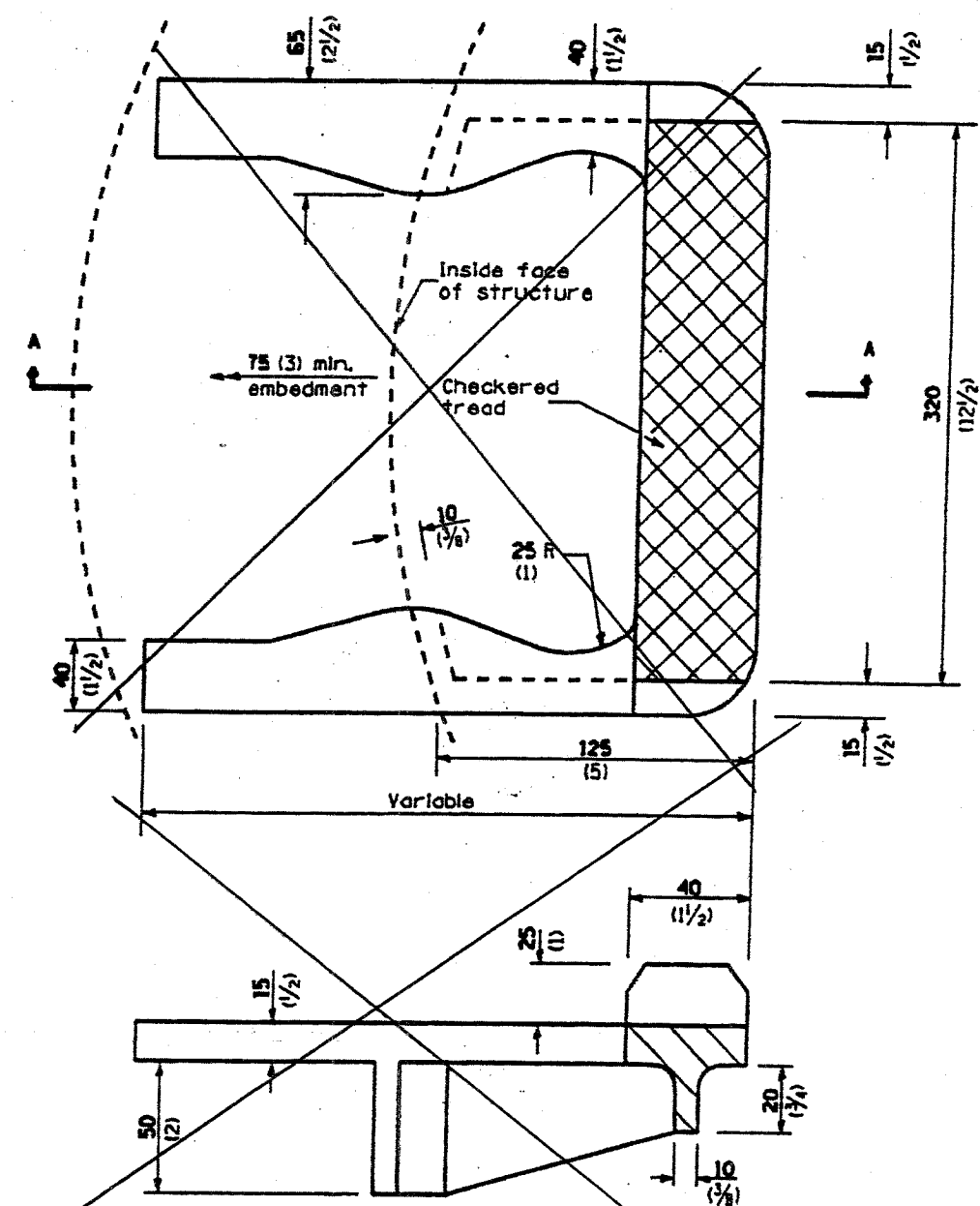
DISTRICT ONE - DESIGN
 PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266

SHEET 86 OF 86

F.A.P. RTE. 1	SECTION 2004-025 RS	COUNTY LAKE	TOTAL SHEETS 116	SHEET NO. 86
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
PARK ROADS			CONTRACT NO. 62745	
I.D.N.R. FILE NO. 2-03-025A				
D91-191-04				



SECTION A-A
STRAIGHT WALL STRUCTURE



SECTION A-A
CIRCULAR WALL STRUCTURE

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

REVISIONS	
NAME	DATE

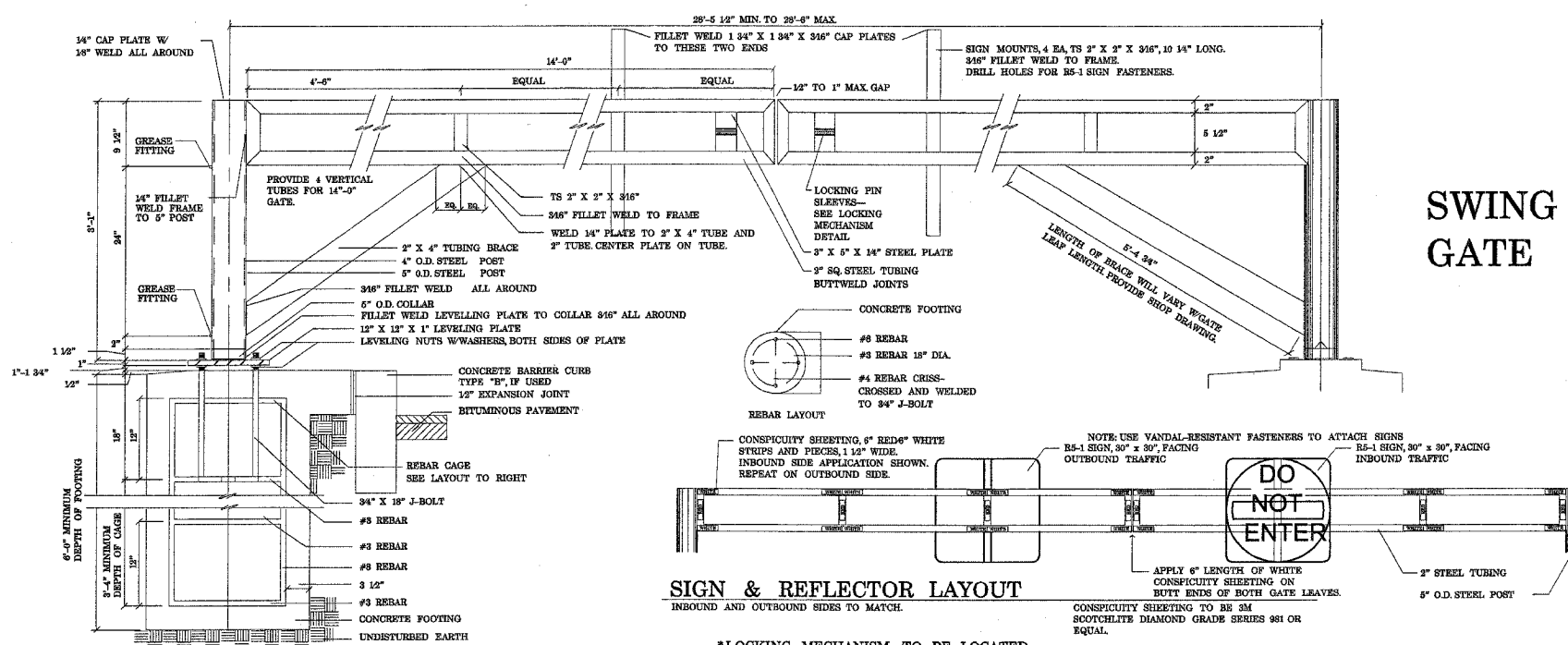
ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS BEACH STATE PARK
 (NORTH POINT MARINA)
 CAST IRON STEPS
 STANDARD 602701

SCALE: VERT. NONE
 HORIZ. NONE
 DATE: NOVEMBER, 2005
 DRAWN BY: MVT
 CHECKED BY: RSS

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	87
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* PARK ROADS IDNR File No. 2-03-025A D91-191-04				

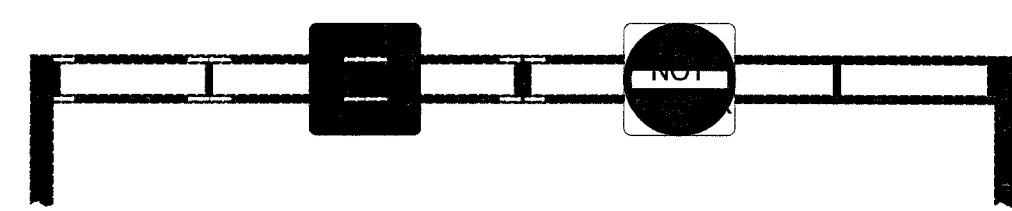
FOR REFERENCE ONLY

1" WIDE CONSPICUITY SHEETING



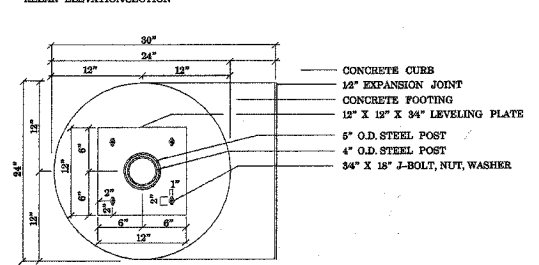
SWING GATE

SIGN & REFLECTOR LAYOUT

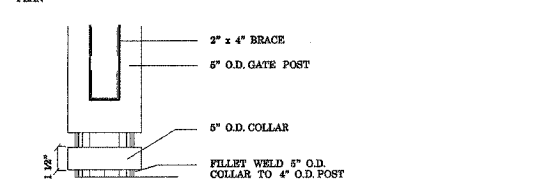


REFLECTOR COLOR LAYOUT

SWING GATE—FRONT SIDE



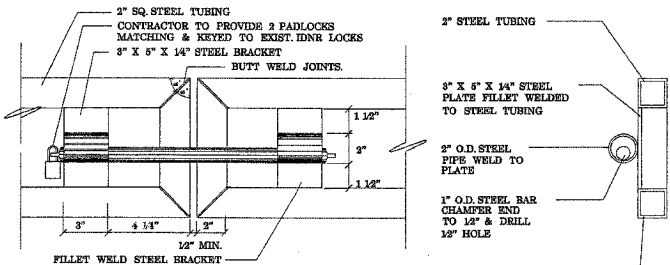
FOOTING PLAN



POST, SLEEVE, & COLLAR

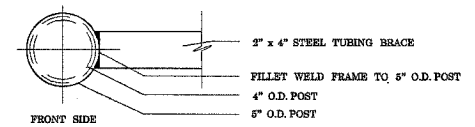
ELEVATION

*LOCKING MECHANISM TO BE LOCATED ON THE FRONT SIDE OF SWING GATE



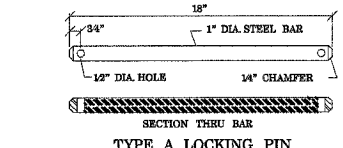
LOCKING MECHANISM

SECTION ELEVATION



HINGE POST

SECTION



LOCKING PIN

PROVIDE 2 EACH

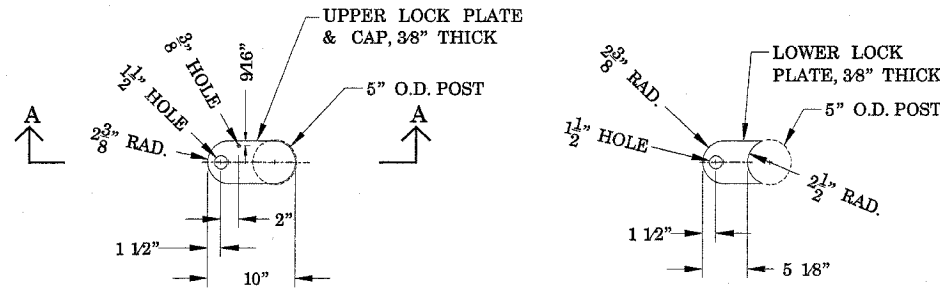
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 USER NAME = thornesad

REVISIONS	
NAME	DATE

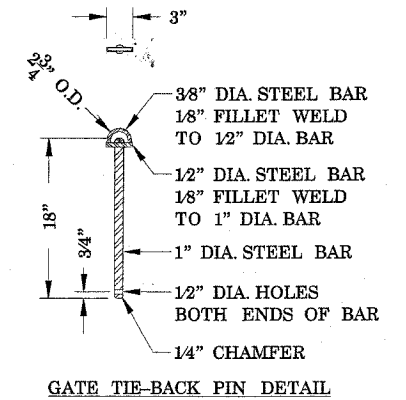
ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS BEACH STATE PARK
 NORTH POINT MARINA
 SWING GATE DETAIL

SCALE: NOT TO SCALE
 DATE
 DRAWN BY
 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	88
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* PARK ROADS IDNR File No. 2-03-025A D91-191-04				



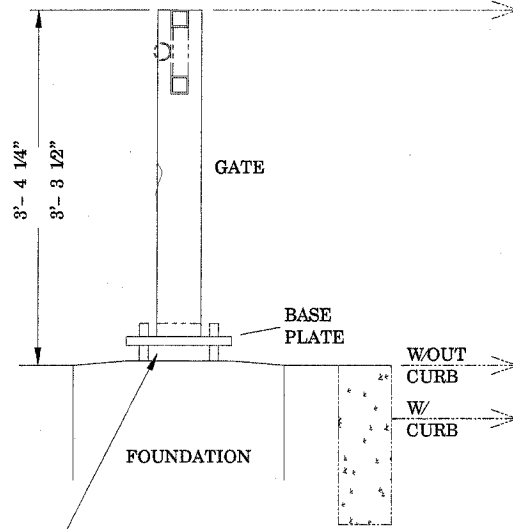
CENTER GATE LEAF BETWEEN LOCK PLATES AND TO ADJUST FOR SHOULDER SLOPE AND CURB HEIGHT (IF USED, ADD 6" +/-)



GATE PINS—SHOWN FOR REFERENCE

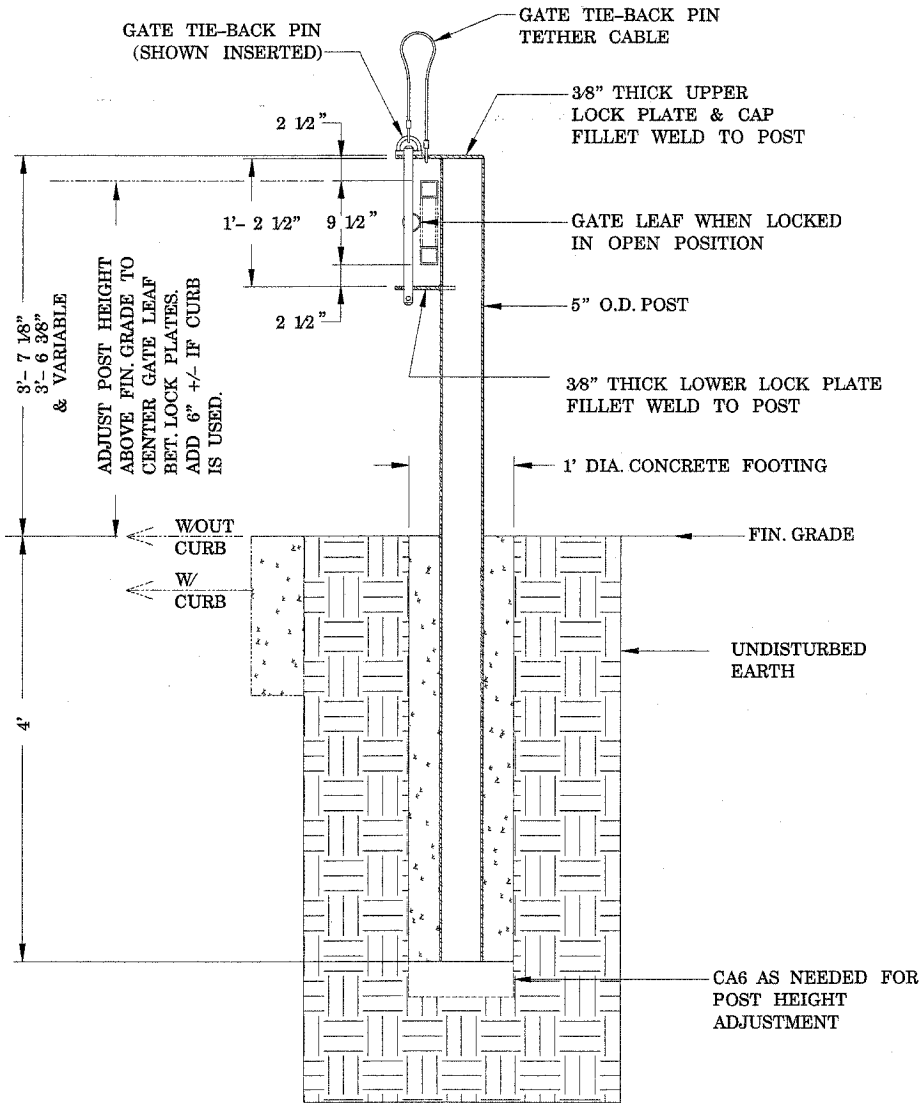


SWING GATE ASSEMBLY—SHOWN FOR REFERENCE



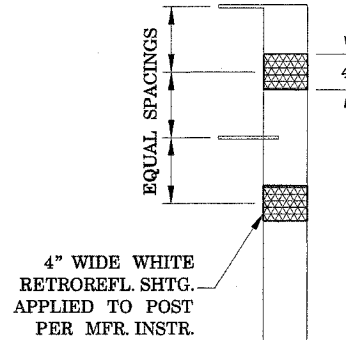
GAP BETWEEN BASE PLATE AND TOP OF FOUNDATION—MAX. = 1 3/4" (SHOWN); MIN. = 1".

(PER SWING GATE DETAIL DRAWING.)



SECT. A-A
GATE TIE-BACK POST DETAILS

NOTE: ALL DOUBLE SWING GATES SHALL INCLUDE TWO (2) TIE-BACK POSTS



RETROREFLECTIVE SHEETING DETAIL



TETHER CABLE, 36" LENGTH OF 1/4" DIA. 7x19 STAINLESS STEEL FLEXIBLE RIGGING WIRE. FORM END LOOPS W/ZINC-PLATED COPPER SWAGE SLEEVES

TIE-BACK PIN TETHER CABLE DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS BEACH STATE PARK
NORTH POINT MARINA
SWING GATE DETAIL

SCALE: NOT TO SCALE
DATE
DRAWN BY
CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	89
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* PARK ROADS		IDNR File No. 2-03-025A	D91-191-04	

STEEL GATE NOTES:

1. CONTRACTOR WILL NEED TO PROVIDE SWING GATE SHOP DRAWINGS TO IDNR, FOR APPROVAL, PRIOR TO INSTALLATION.

1. 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 FINISHED 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 SPECIFICATIONS WITH SHOP DRAWING.

2. ALL TUBE MEMBERS (TS) SHALL BE COLD FORMED WELDED STRUCTURAL STEEL CONFORMING TO THE LATEST ASTM A00 GRADE B (46 KSI).

3. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST ASTM A36.

4. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70 ELECTRODES.

5. HOLES IN THE STRUCTURAL STEEL AND TUBE MEMBERS SHALL BE 1/16 IN. MAXIMUM LARGER THAN THE BOLT, UNLESS NOTED OTHERWISE.

6. HINGE PIN HOLES IN THE STRUCTURAL STEEL AND TUBE MEMBERS SHALL BE 1/32 IN. MAXIMUM LARGER THAN THE PIN, UNLESS NOTED OTHERWISE.

7. GATE LOCK POST SHALL BE ERECTED AFTER THE GATE IN ORDER TO ACCOUNT FOR THE DEAD LOAD DEFLECTION OF THE GATE AND TO CORRECTLY LOCATE THE HOLE AND PIN ALIGNMENT.

8. ALL HORIZONTAL AND DIAGONAL MEMBERS SHALL HAVE A 1/2" DIAMETER VENT HOLE DRILLED UNDERNEATH THE MEMBERS AT EACH END.

9. ALL EXPOSED CORNERS OF PLATES SHALL HAVE A 1/4" RADIUS UNLESS NOTED OTHERWISE.

10. 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.

11. RETROREFLECTIVE CONSPICUITY SHEETING SHALL BE A 3M SCOTCHLITE DIAMOND GRADE SERIES 981 OR EQUAL. CONTRACTOR SHALL PROVIDE A 7-YEAR WARRANTY ON THE RETROREFLECTIVE SHEETING.

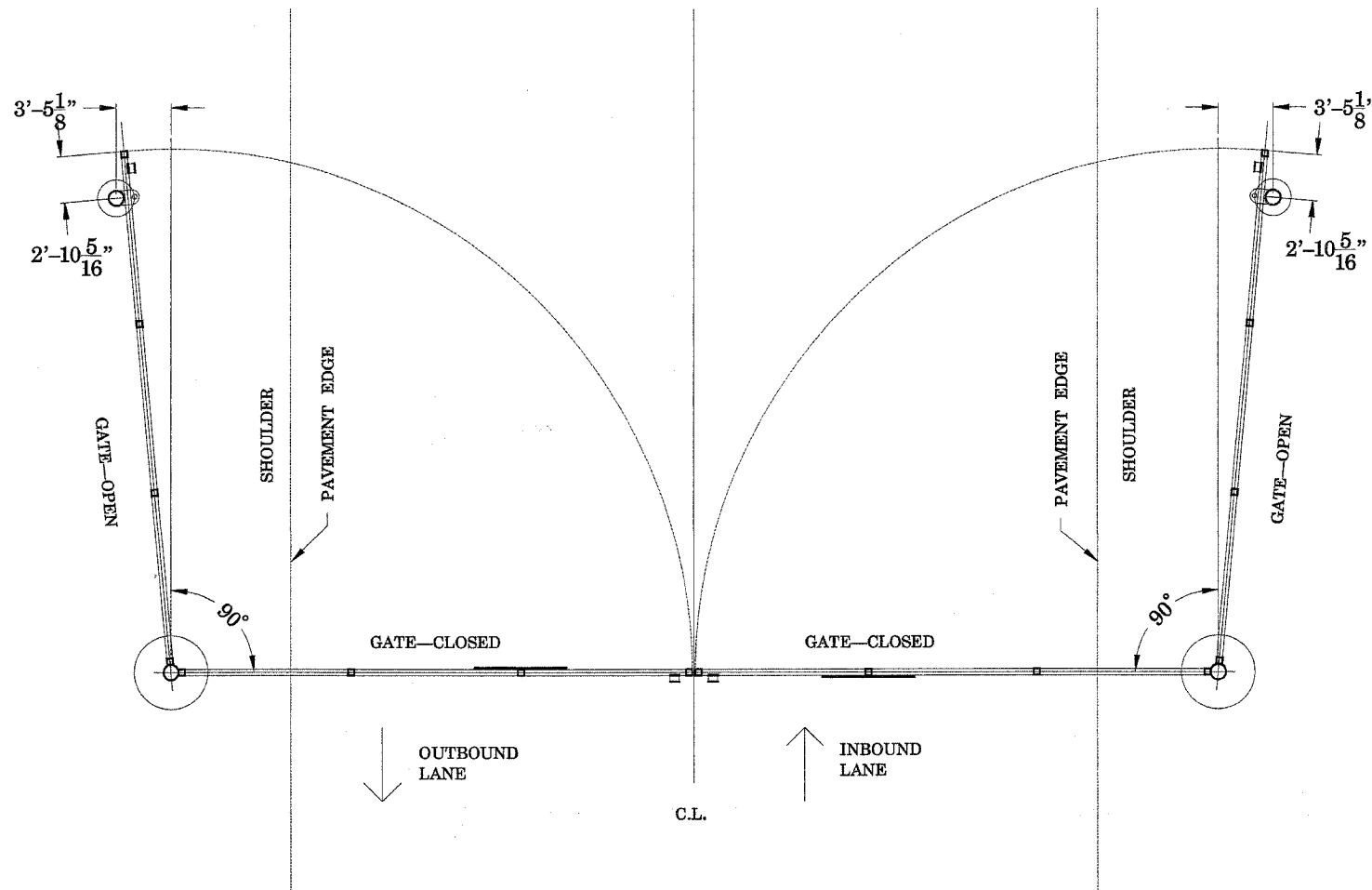
12. ALL EXPOSED EDGES SHALL BE GROUND SMOOTH.

13. ALL STEEL SHALL BE BLAST CLEANED PER SSPC-SP6 COMMERCIAL BLAST CLEANING PRIOR TO APPLICATION OF PRIMER COAT.

14. 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.

15. CONTRACTOR SHALL LAYOUT LOCK POSTS AND HINGE POSTS FOR LOCATION APPROVAL BY ENGINEER PRIOR TO FABRICATION.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS BEACH STATE PARK NORTH POINT MARINA SWING GATE DETAIL
NAME	DATE	
SCALE: NOT TO SCALE		DRAWN BY
DATE		CHECKED BY

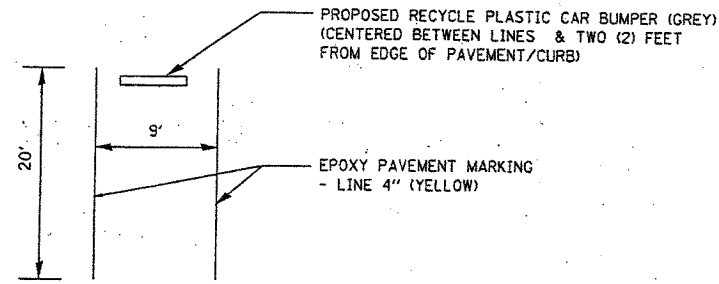


SWING GATE TIE-BACK POST
SITE PLAN

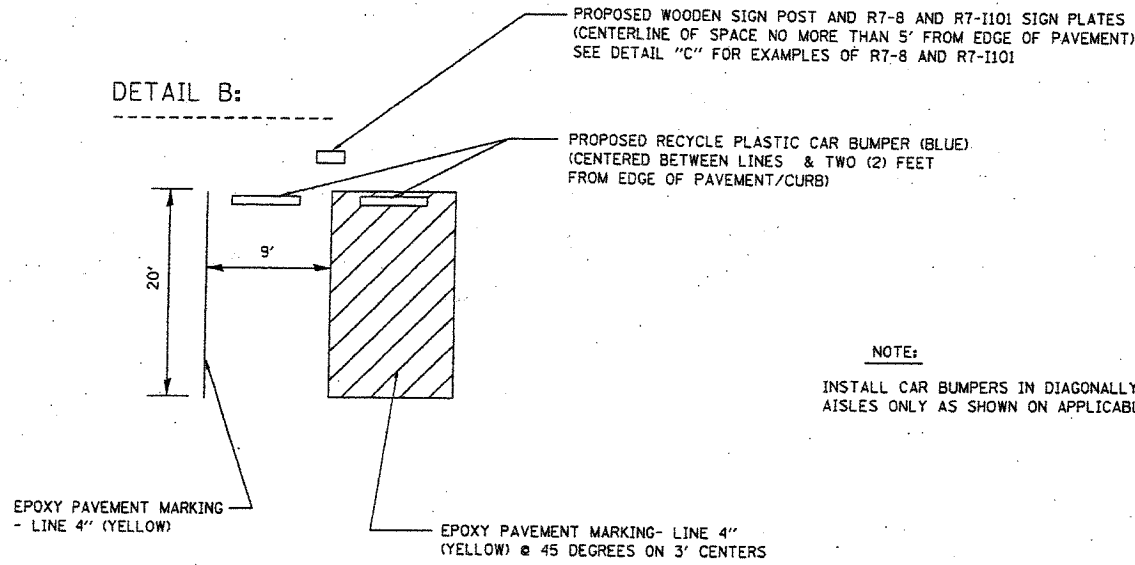
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USER NAME = vjamescd

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	90
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* PARK ROADS CONTRACT NO. 62745				
IDNR FILE NO. 2-03-025A				

DETAIL A:



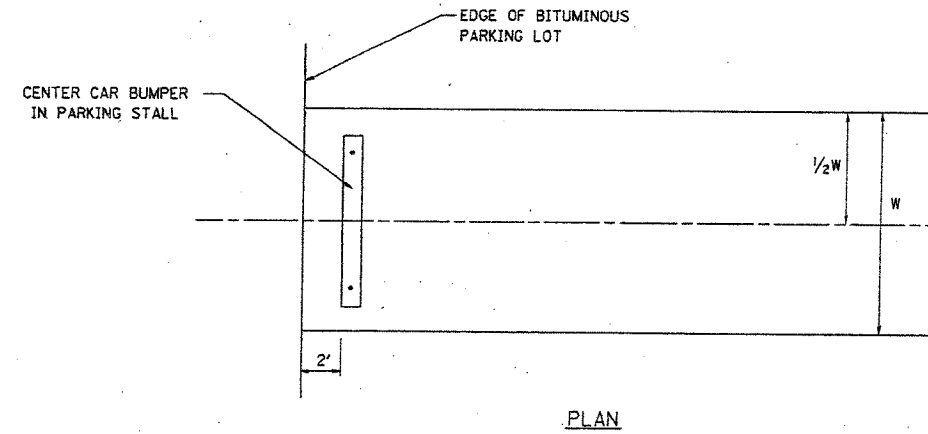
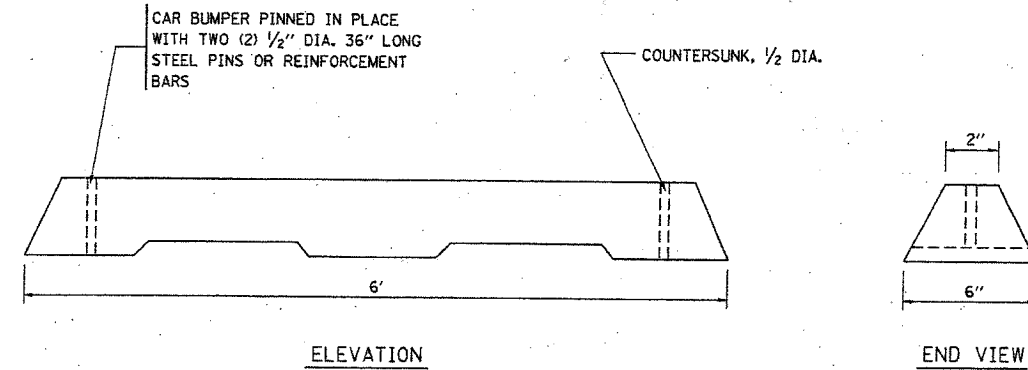
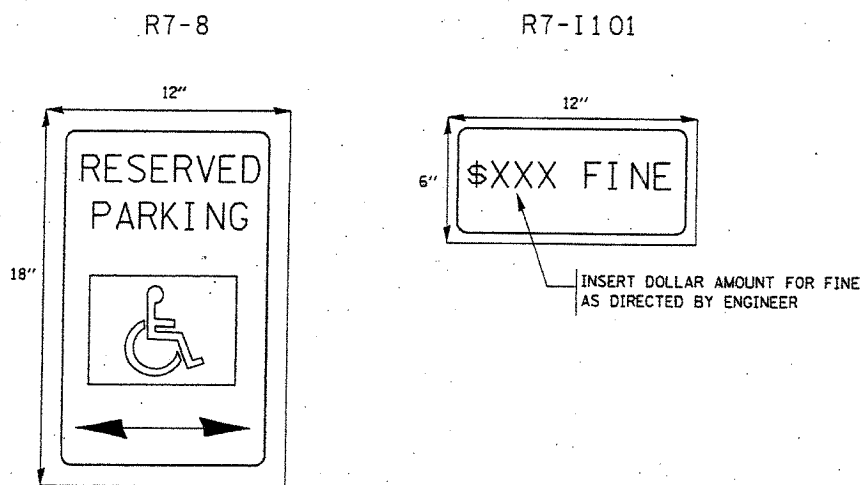
DETAIL B:



NOTE:

INSTALL CAR BUMPERS IN DIAGONALLY-STRIPED ACCESS AISLES ONLY AS SHOWN ON APPLICABLE PLAN SHEETS

DETAIL C:

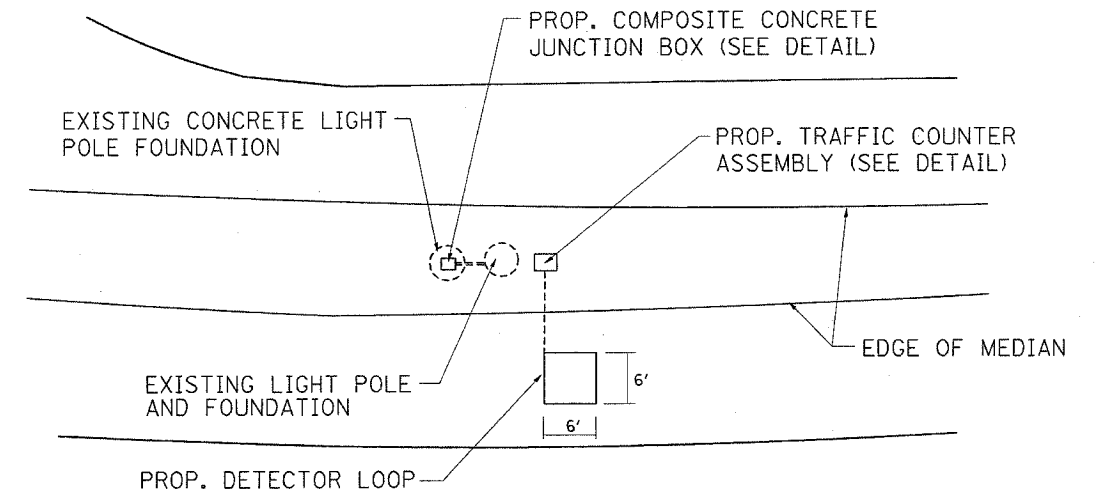
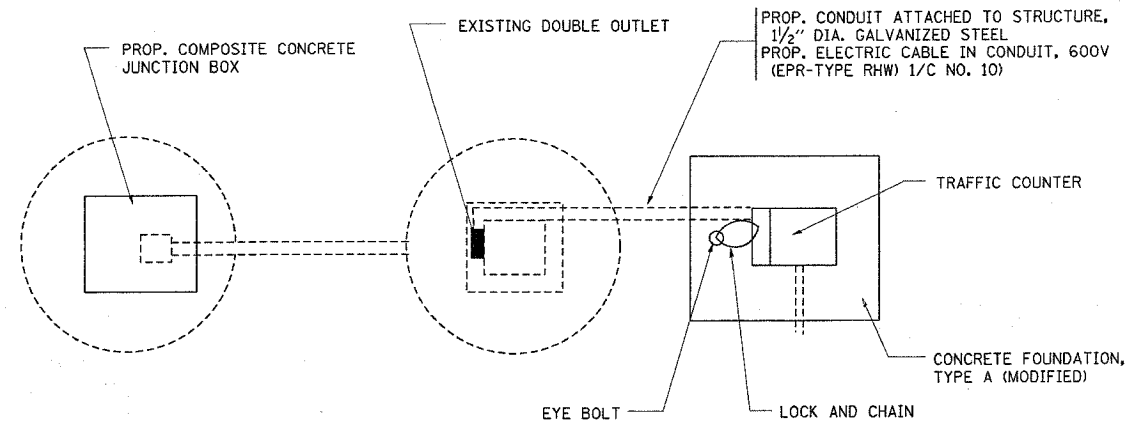


PLASTIC BUMPER BLOCKS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS BEACH STATE PARK PARKING LOT PAVEMENT MARKING AND PLASTIC CAR BUMPER DETAIL
NAME	DATE	

SCALE: VERT. DATE 2/20/03
HORIZ. DRAWN BY DN
CHECKED BY

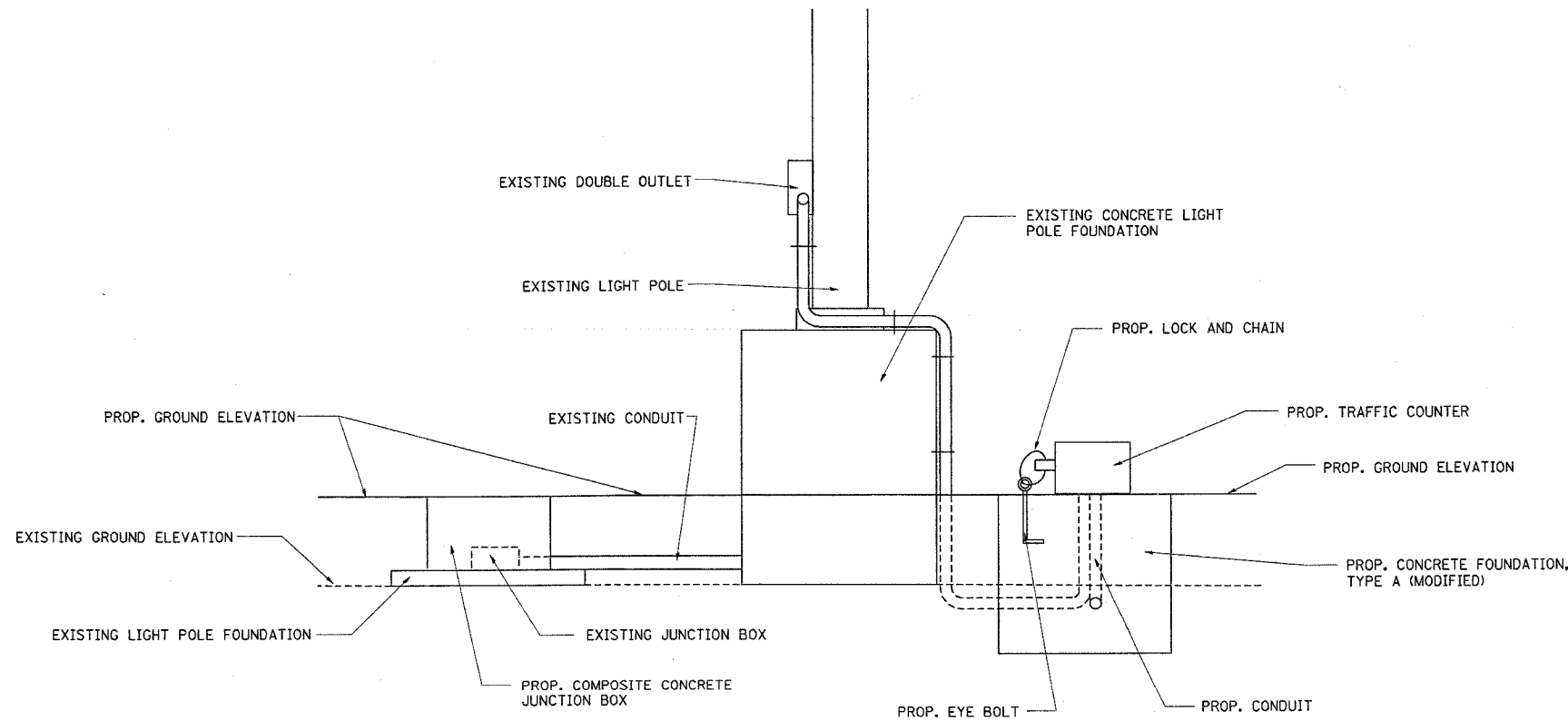
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
*	2004-025 RS	LAKE	116	91
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* PARK ROADS IDNR FILE No. 2-03-025 D91-191-04				



NOTE: PROPOSED DETECTOR LOOP SHOULD EXTEND TO 3-FOOT FROM EDGE OF PROPOSED TRAVELED PAVEMENT.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
TRAFFIC COUNTER	EACH	3
COMPOSITE CONCRETE JUNCTION BOX	EACH	3
DETECTOR LOOP	FOOT	102
CONCRETE FOUNDATION, TYPE A (MODIFIED)	EACH	12
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	30
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	FOOT	180
CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	30
CONDUIT EMBEDDED IN STRUCTURE, 1 1/2", GALVANIZED STEEL	FOOT	30



NOTE:

CONTRACTOR TO PROVIDE 1 CHAIN AND 1 PADLOCK MATCHING & KEYED TO EXISTING IDNR LOCKS

REVISIONS	
NAME	DATE

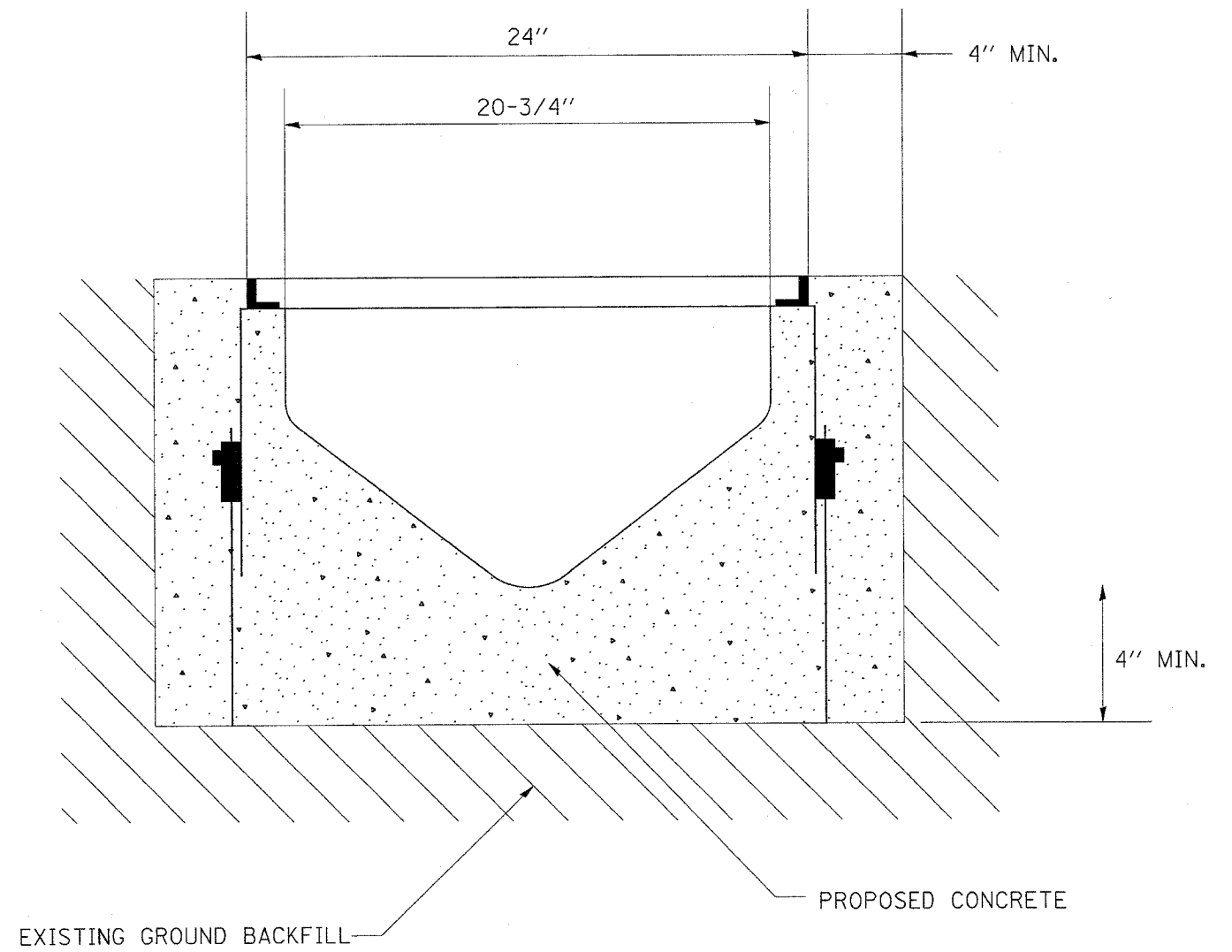
ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS BEACH STATE PARK
NORTH POINT MARINA
TRAFFIC COUNTER DETAIL

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
DATE 12/29/2005

*REF-
*REF-
*REF-

CONTRACT NO. 62745

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	92
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* PARK ROADS IDNR FILE No. 2-03-025 A D91-191-04				



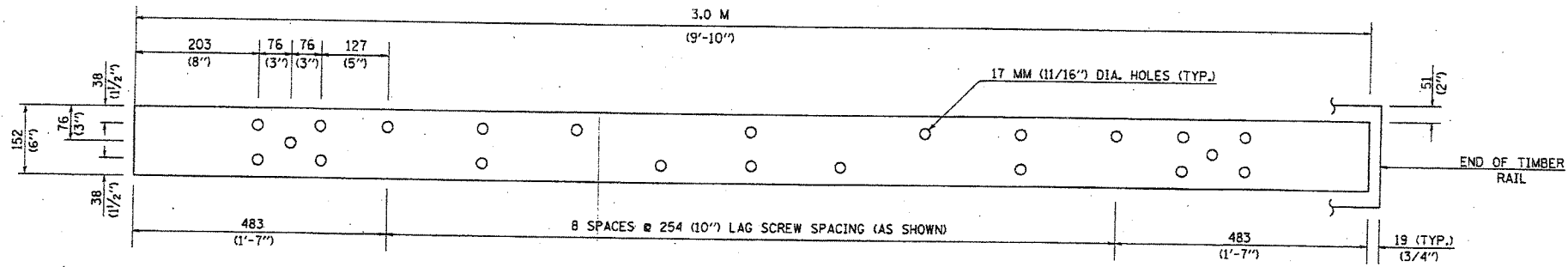
**NOTE: A 1% SLOPE SHALL BE PROVIDED
ALONG THE BASE OF THE PIPE.**

REVISIONS	
NAME	DATE

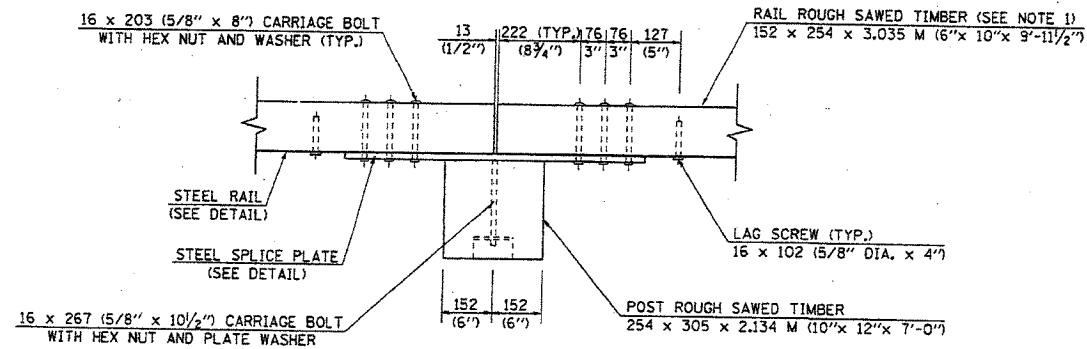
ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS BEACH STATE PARK
NORTH POINT MARINA
SLOTTED DRAIN DETAIL

SCALE: VERT. DRAWN BY
HORIZ. CHECKED BY
DATE 1/6/2006

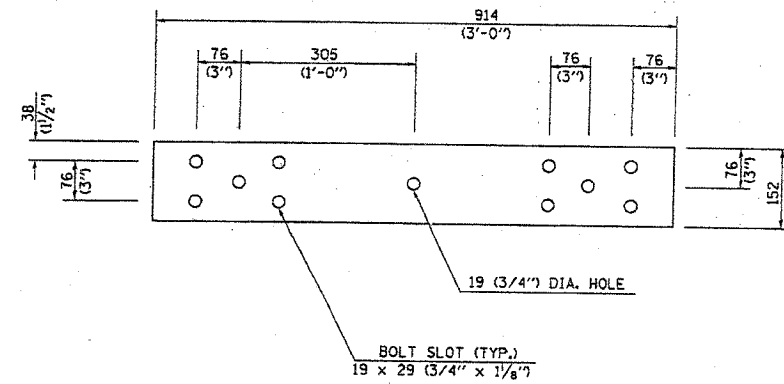
F.A. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	92a
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* PARK ROADS		IDNR FILE NO. 2-03-025A		



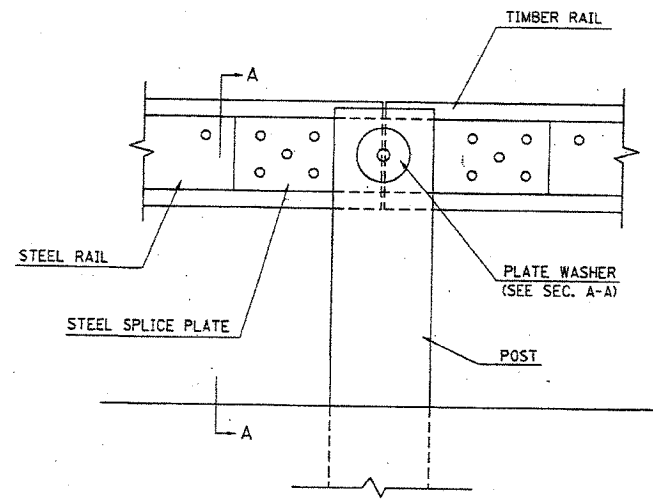
STEEL RAIL DETAIL 152 x 10 x 3 M
(6'' x 3/8'' x 9'-10'')



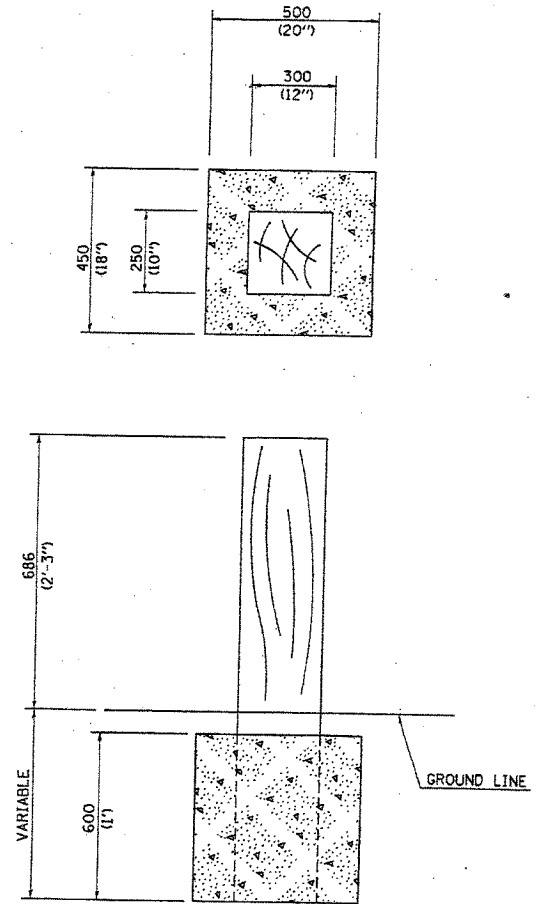
POST CONNECTION DETAIL



STEEL SPLICE PLATE DETAIL
152 x 10 x 914 (6'' x 3/8'' x 3'-0'')



SECTION A-A



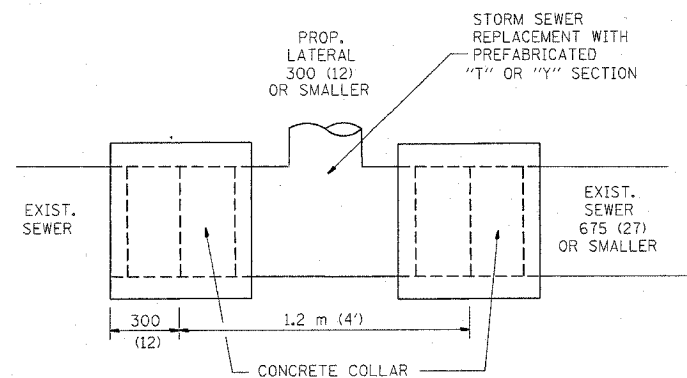
SHORT POST ELEVATION

GENERAL NOTES

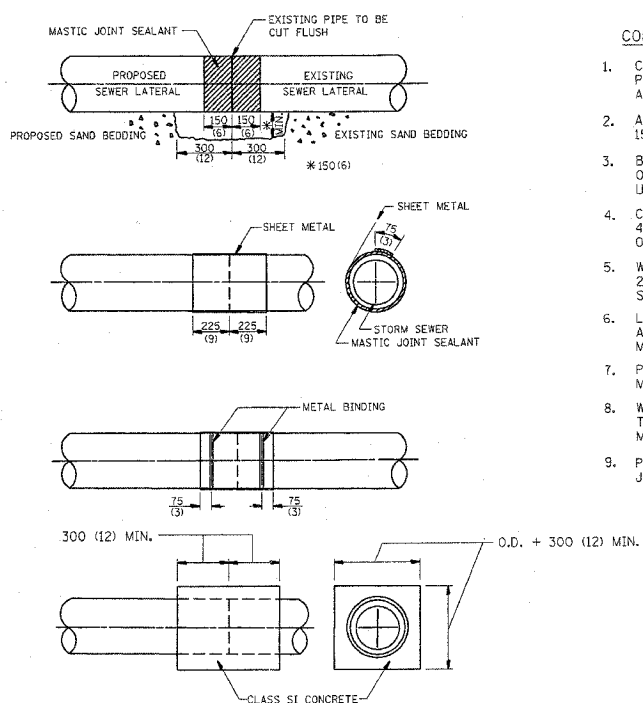
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN
2. USE WEATHERING STEEL FOR ALL STRUCTURAL STEEL AND FASTENER HARDWARE
3. POST TYPE: 254 (10'') x 305 (12'') WOOD
BEAM TYPE: 152 (6'') x 254 (10'') WOOD WITH STEEL PLATE BACKING
4. REFER TO ARTICLE 1007.12 OF THE STANDARD SPECIFICATIONS
5. USE WATER BORNE PRESERVATIVE ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL OF STEEL-BACKED
TIMBER GUARDRAIL
SCALE: VERT. NTS
HORIZ. DATE
DRAWN BY
CHECKED BY



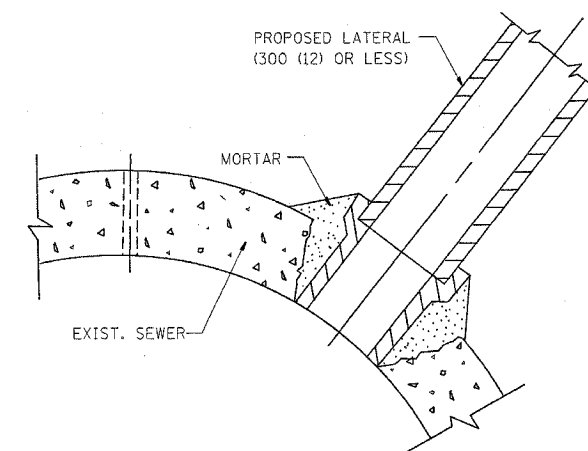
DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 675 (27) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 150 (6) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 300 X 150 (12 X 6) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 L1 (0.0418) 450 (18) WIDE BY THE OUTSIDE CIRCUMPERANCE OF THE PIPE PLUS 75 (3) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 225 (9) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 75 (3) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"
PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 750 (30) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/93
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

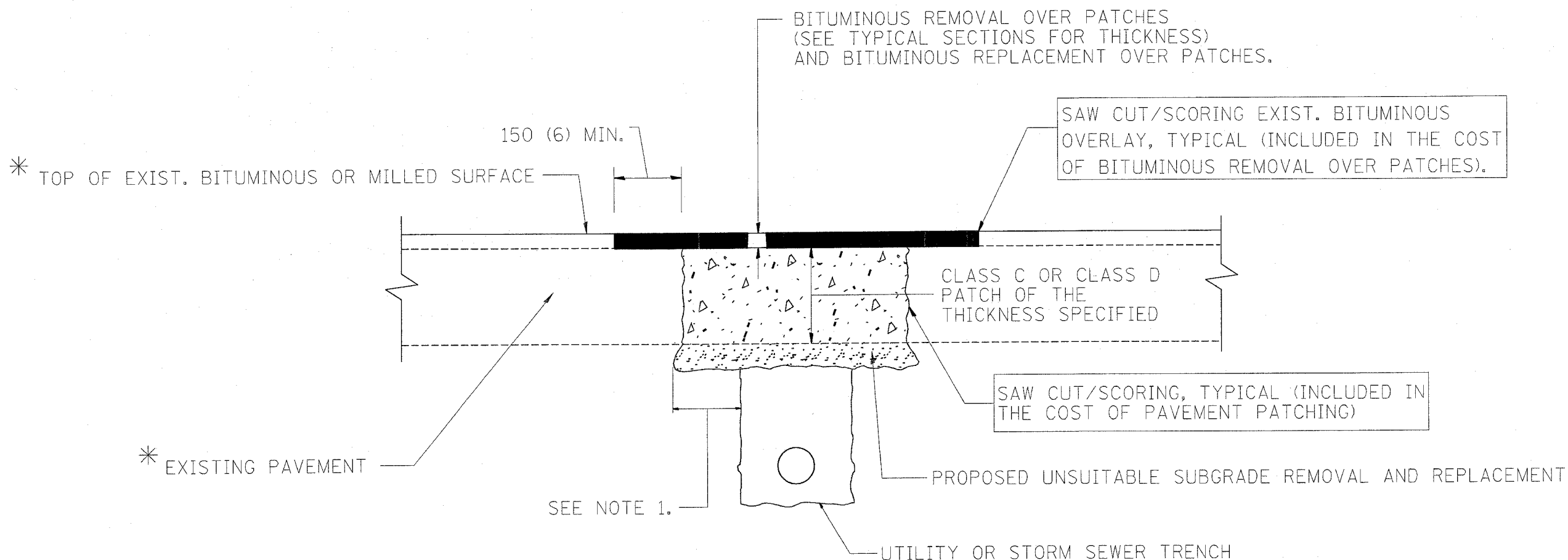
ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

SCALE: VERT.
DATE 1/19/2005

DRAWN BY CADD
CHECKED BY

BD500-01 (BD-7)
REVISION DATE: 06/12/96

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	94
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*	PARK ROADS	CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 300 (12) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE SPECIAL PROVISION "PATCHING WITH BITUMINOUS OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98

ILLINOIS DEPARTMENT OF TRANSPORTATION

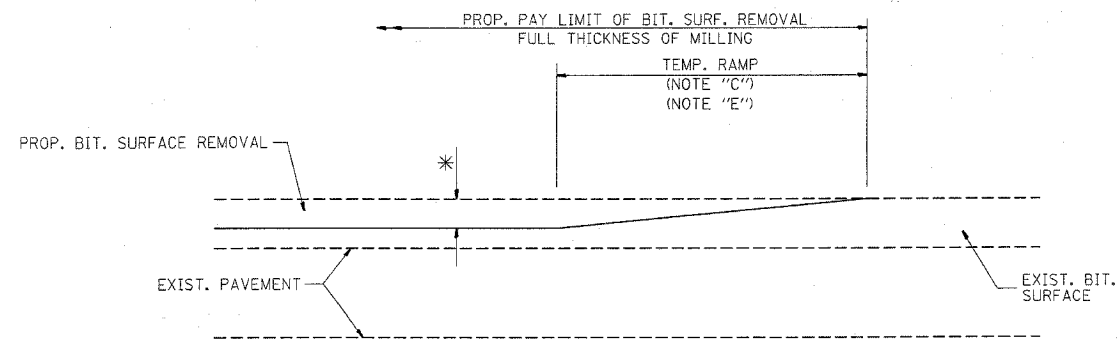
PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT

SCALE: VERT. DATE 1/19/2005

DRAWN BY CHECKED BY

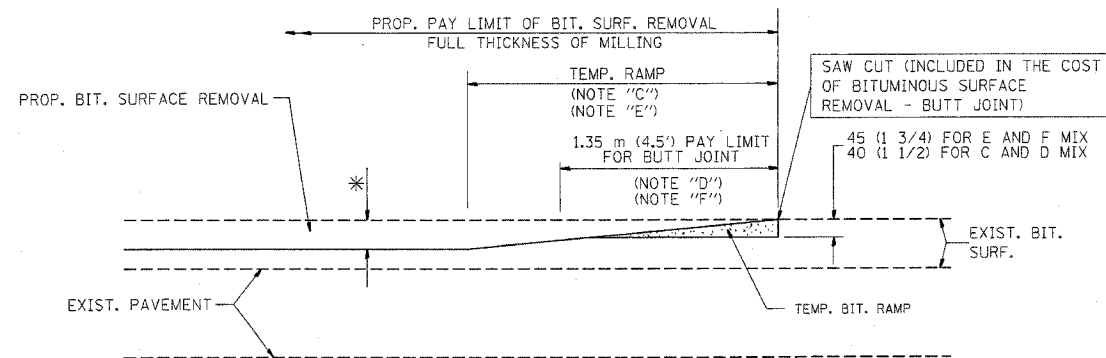
B0400-04 (B0-22) REVISION DATE: 04/27/98

10:26:11 01/19/2005



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

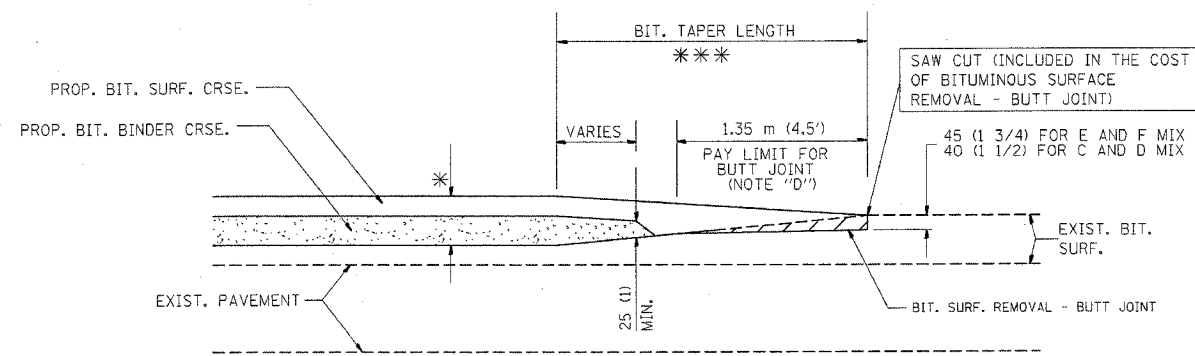
OPTION 1



BITUMINOUS CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

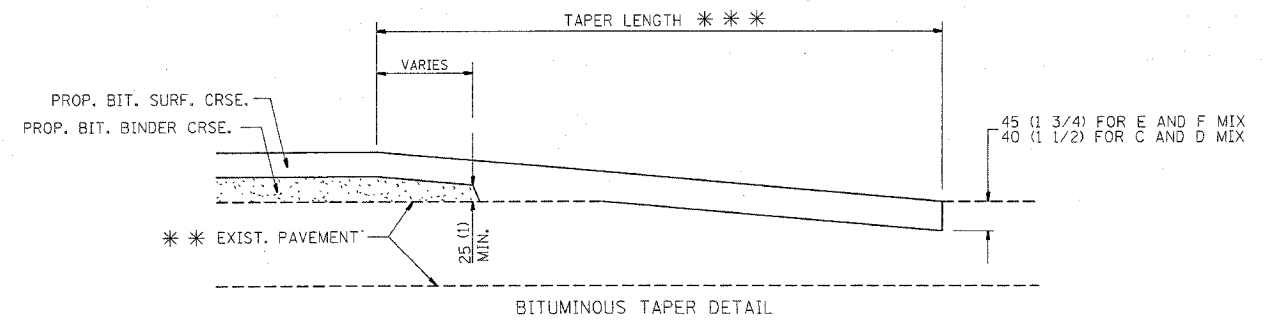
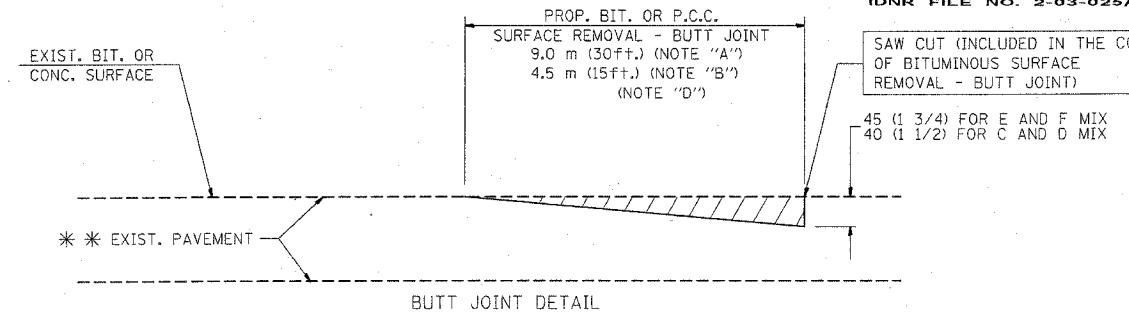
OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT AND BITUMINOUS TAPER

TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR RESURFACING ONLY

** PC CONCRETE, BITUMINOUS OR BITUMINOUS RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING BITUMINOUS SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 ft.) PER INCH OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".
 - G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND BITUMINOUS TAPER DETAILS

BASIS OF PAYMENT:

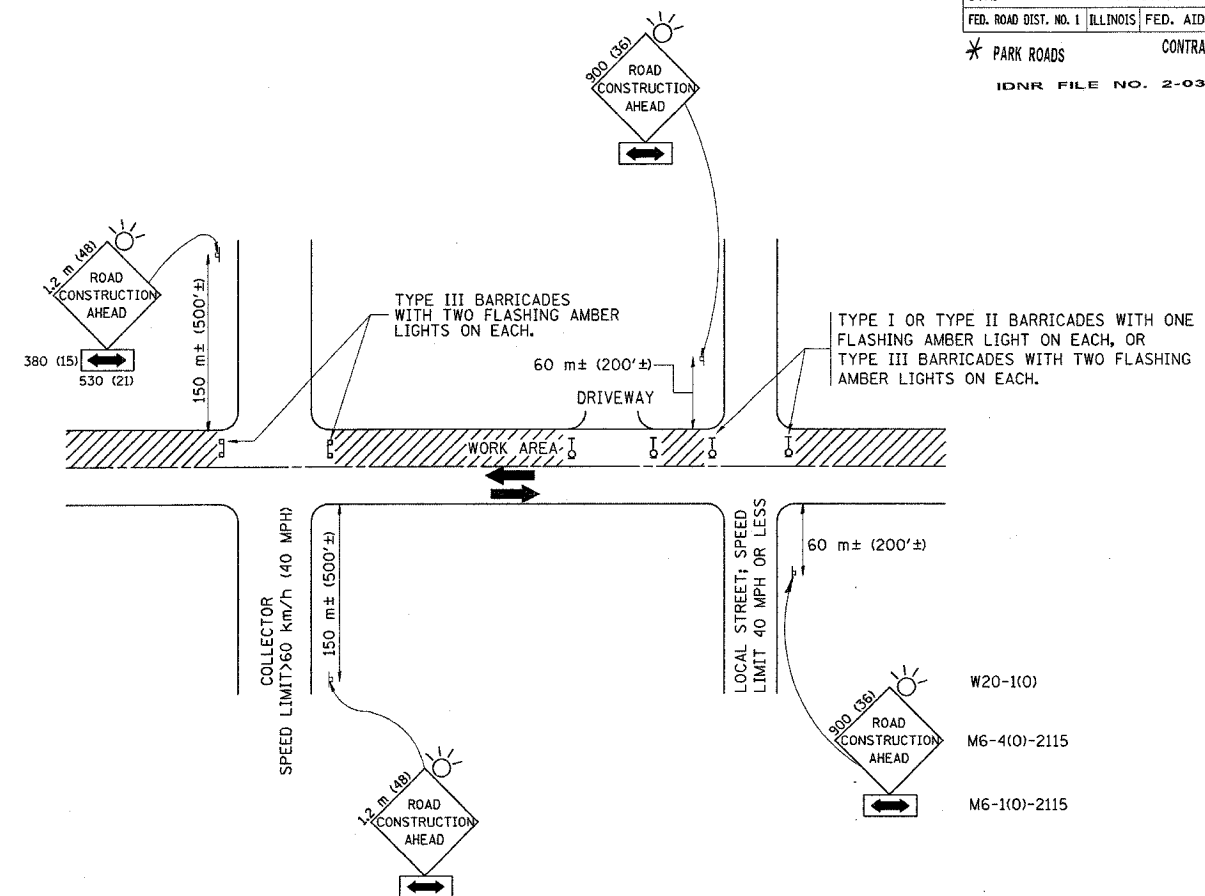
THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01

SCALE: NONE
DATE PLOTTED: 1/19/2005

DRAWN BY
CHECKED BY
BD400-05 (VI-BD32)

REVISION DATE: 04/06/01



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

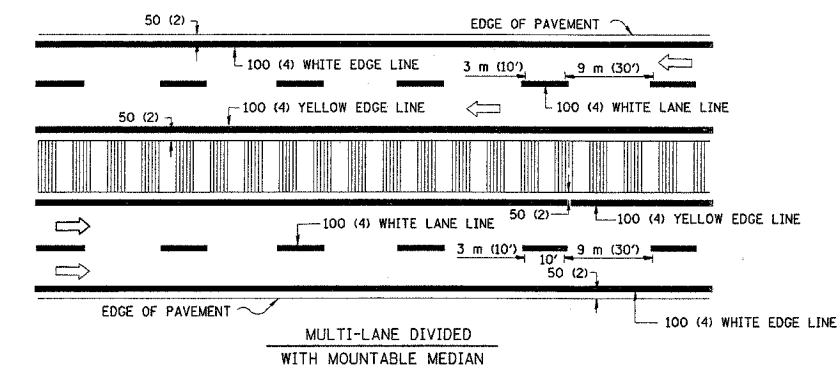
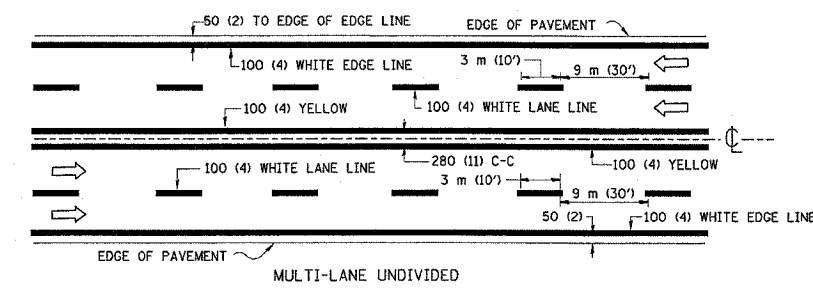
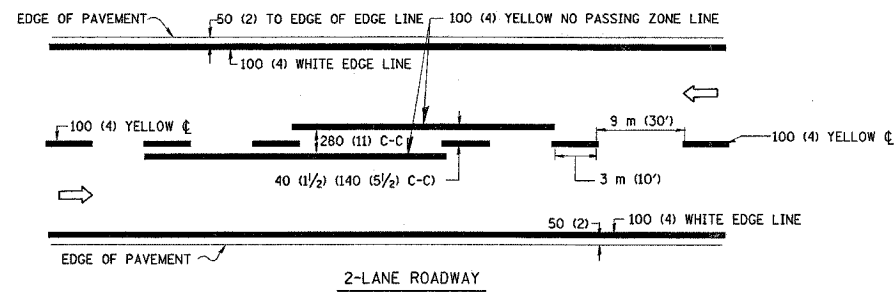
REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: VERT.
 HORIZ.
 DATE 1/19/2005

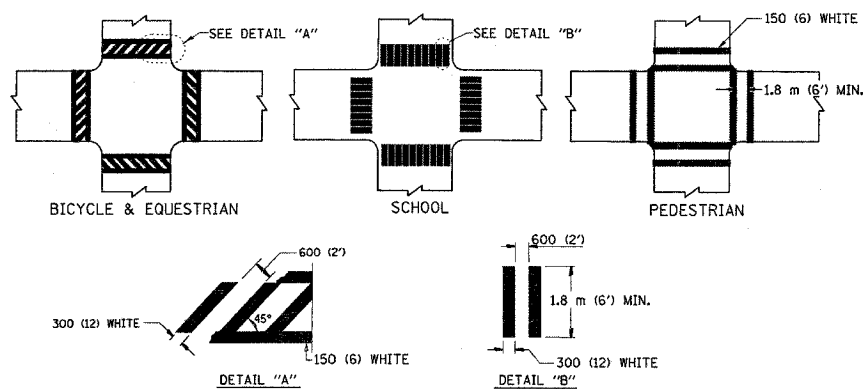
DRAWN BY
 CHECKED BY
 TC-10

REVISION DATE: 01/06/00

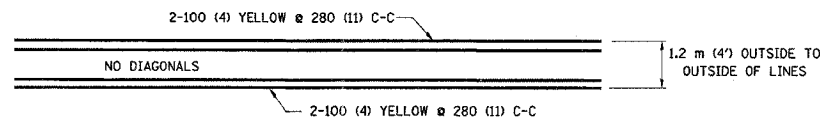


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

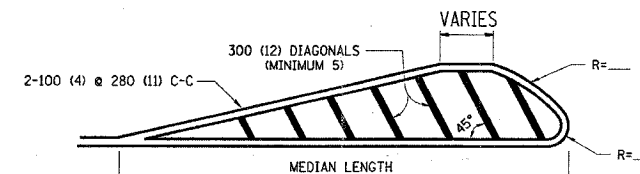
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



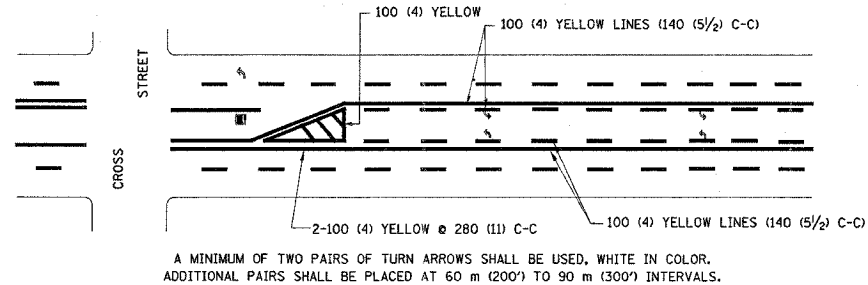
1.2 m (4') WIDE MEDIANS ONLY



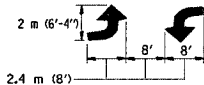
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

MEDIANS OVER 1.2 m (4') WIDE

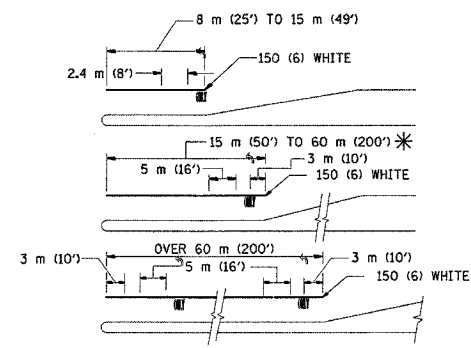


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

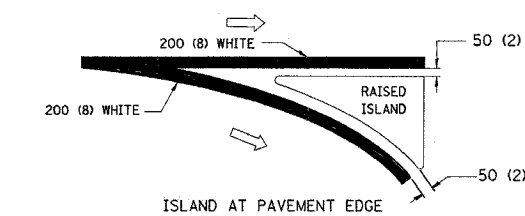
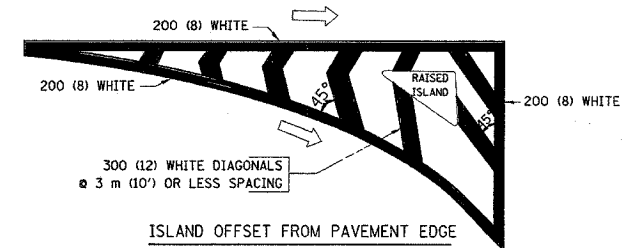


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED. AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

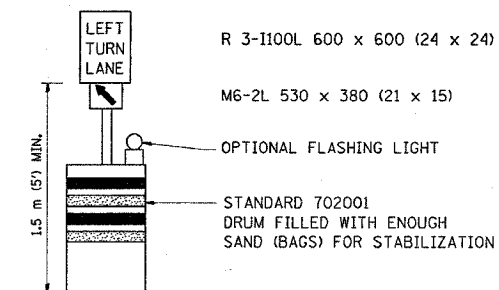
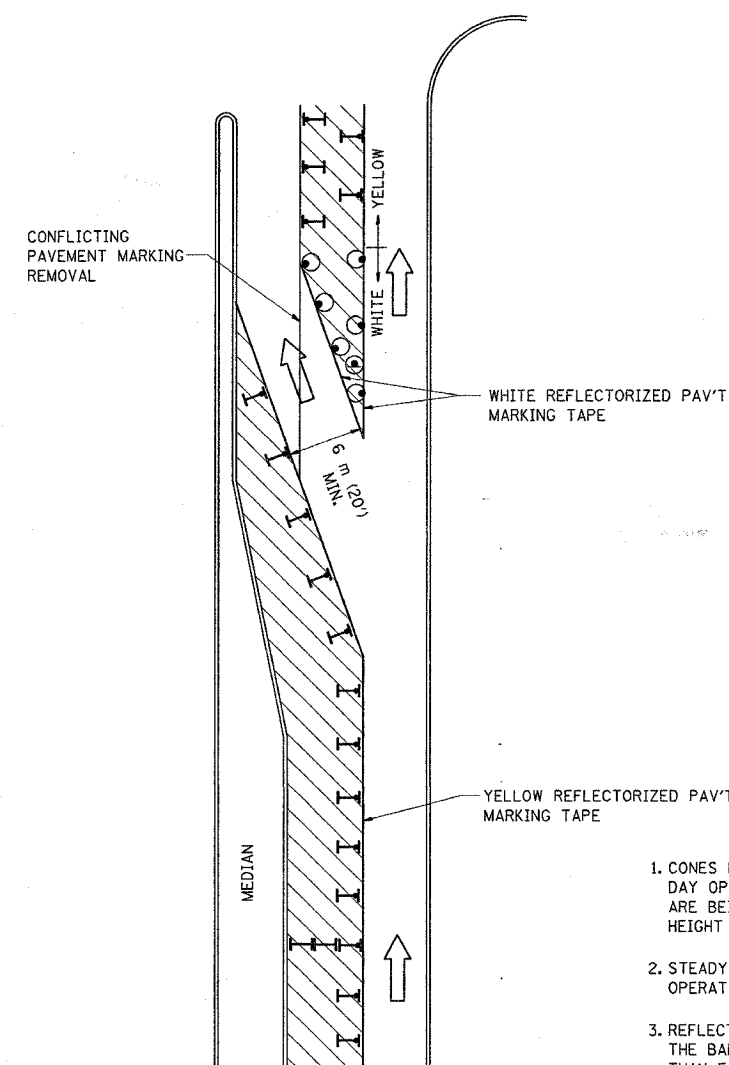
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

SCALE: NONE
DATE 1/19/2005

DRAWN BY CADD
CHECKED BY
TC-13

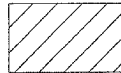





REVISION DATE: 01/06/00



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 1.5 m (5').
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

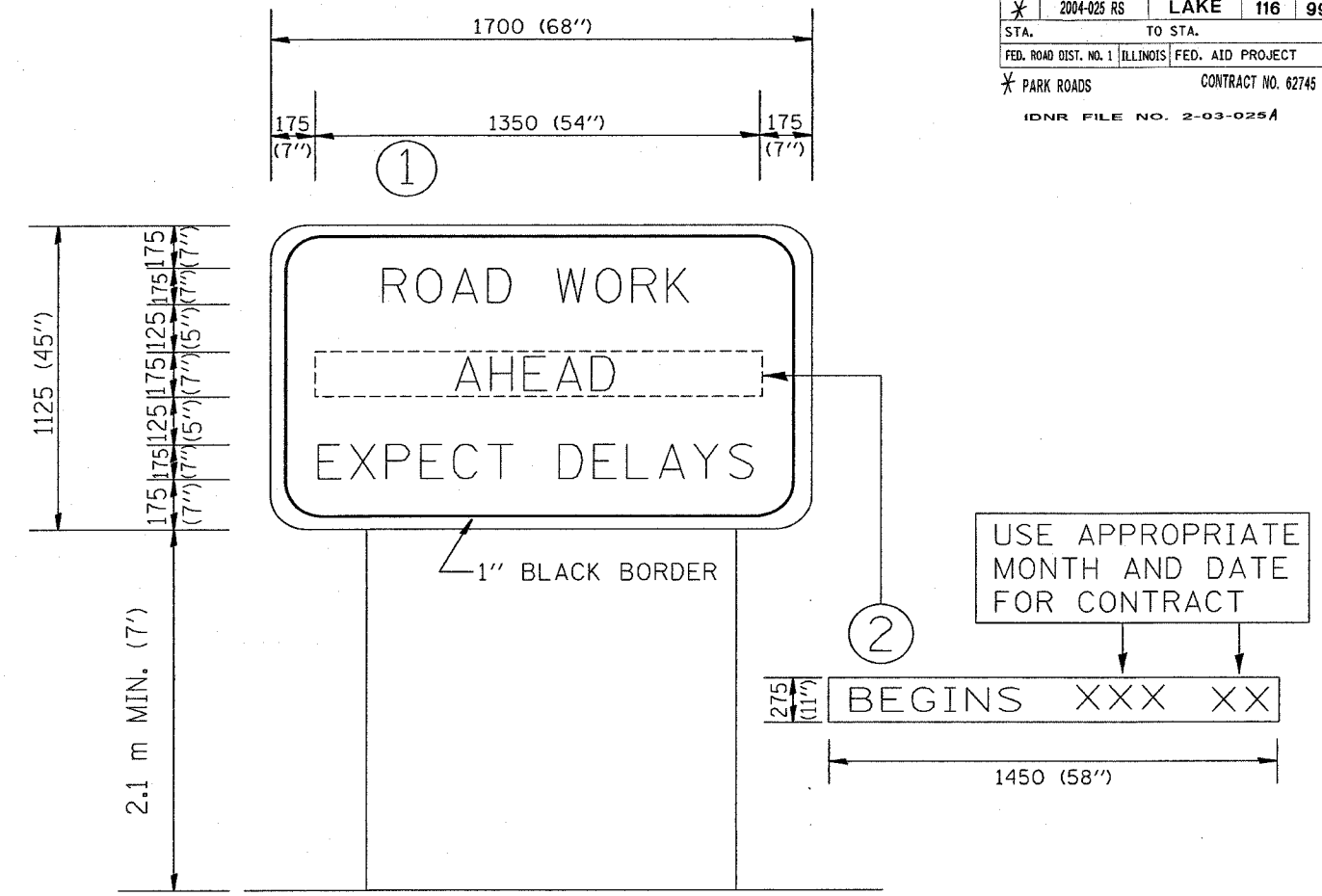
REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

SCALE: NONE
 DATE: 1/19/2005

DRAWN BY
 CHECKED BY LHA
 TC-14

REVISION DATE: 01/06/00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-025 RS	LAKE	116	99	
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
PARK ROADS		CONTRACT NO. 62745		
IDNR FILE NO. 2-03-025A				



NOTES:

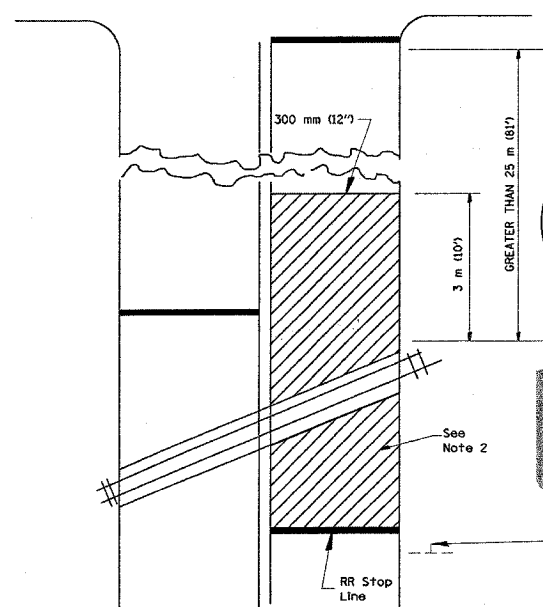
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

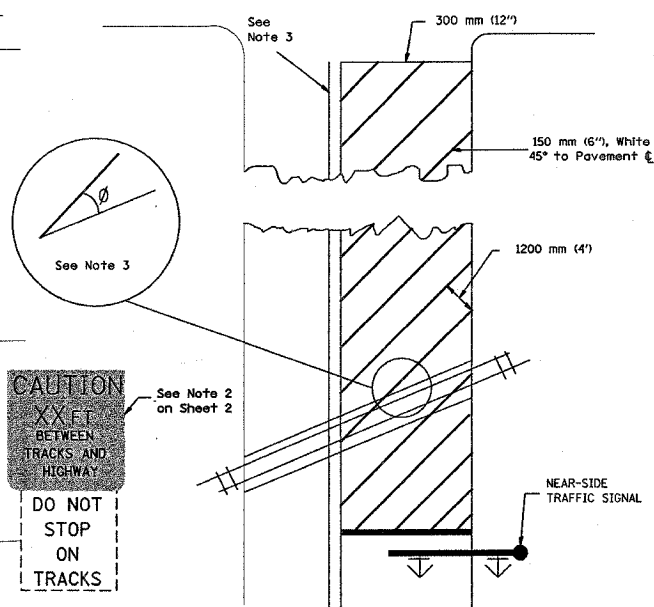
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY INFORMATION SIGNING
NAME	DATE	
R. MIRS	9-15-97	SCALE: DATE 1/19/2005
R. MIRS	2-11-97	
T. RAMMACHER	2-2-99	
		DRAWN BY: BUR. OF DESIGN CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	100
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* PARK ROADS	CONTRACT NO. 62745			
IDNR FILE NO. 2-03-025A				

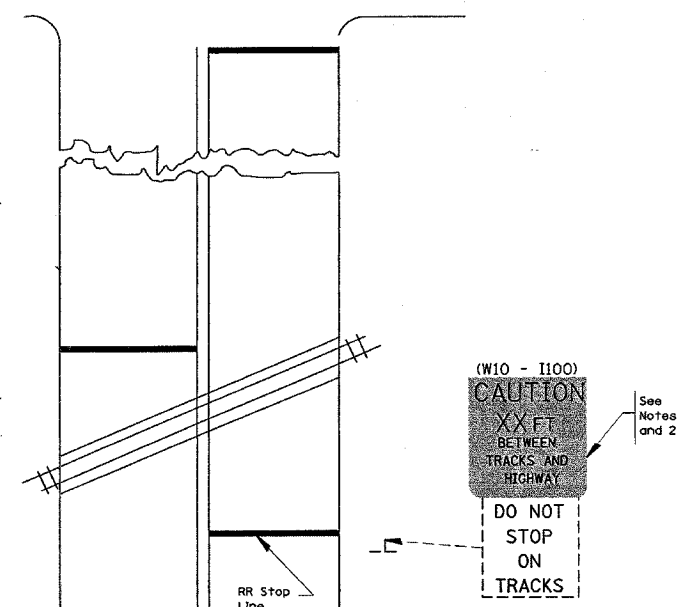
WITH INTERSECTION TRAFFIC SIGNALS



WITH NEAR-SIDE TRAFFIC SIGNALS



WITH NONSIGNALIZED INTERSECTION
25 m (81') or less to closest rail



- NOTES:
1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
 2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
 3. WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK (Ø) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

- NOTE :
1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 1.8 m (6 FEET) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 1.5 m (5 FEET). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
 2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6- FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

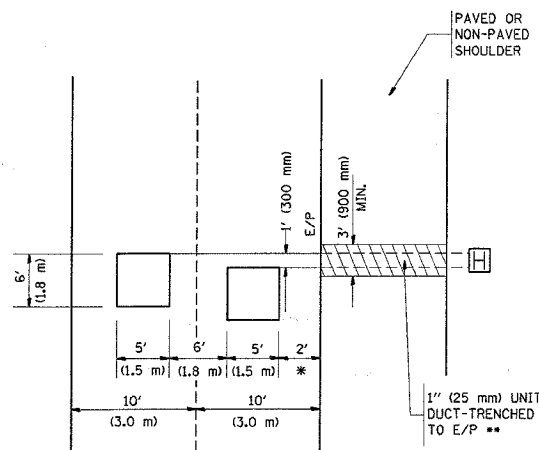
DRAWN BY:
1/19/2005
CHECKED BY:

TC23
REVISION DATE:

F.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	100a
STA.	TO STA.			
FED. ROAD DIST. NO. 1	BLINDS	FED. AID PROJECT		
* PARK ROADS		IDNR File No. 2-03-025A		

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



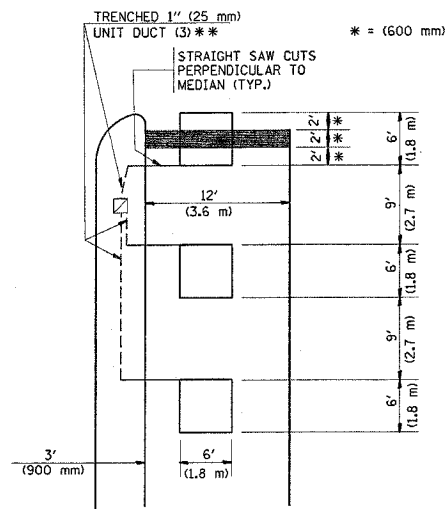
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



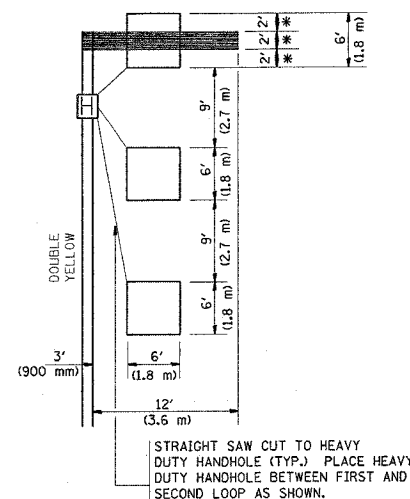
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



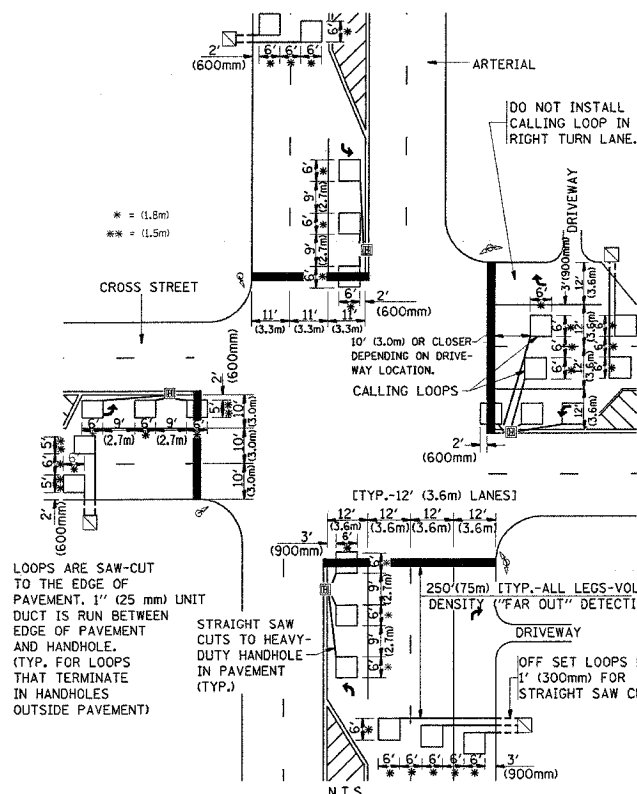
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

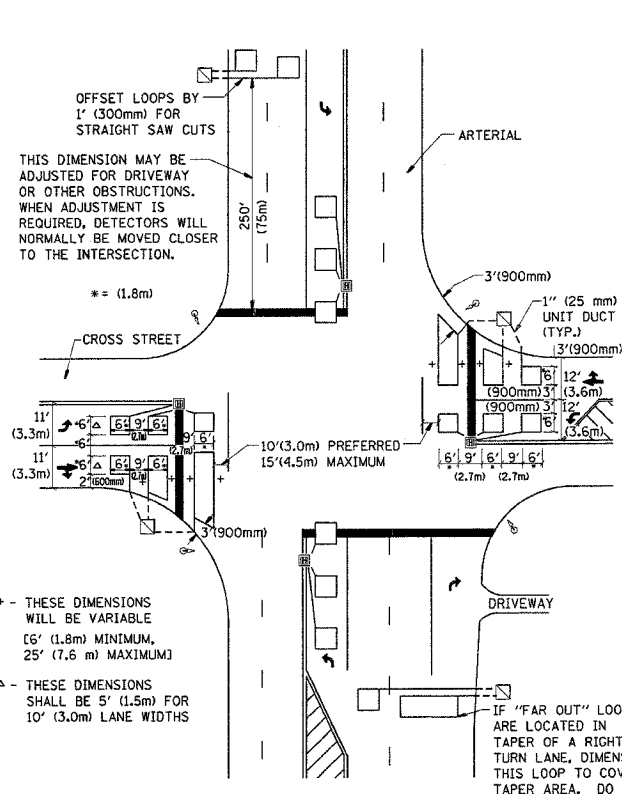
- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DIMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1
DETECTOR LOOP
INSTALLATION DETAILS
FOR ROADWAY RESURFACING

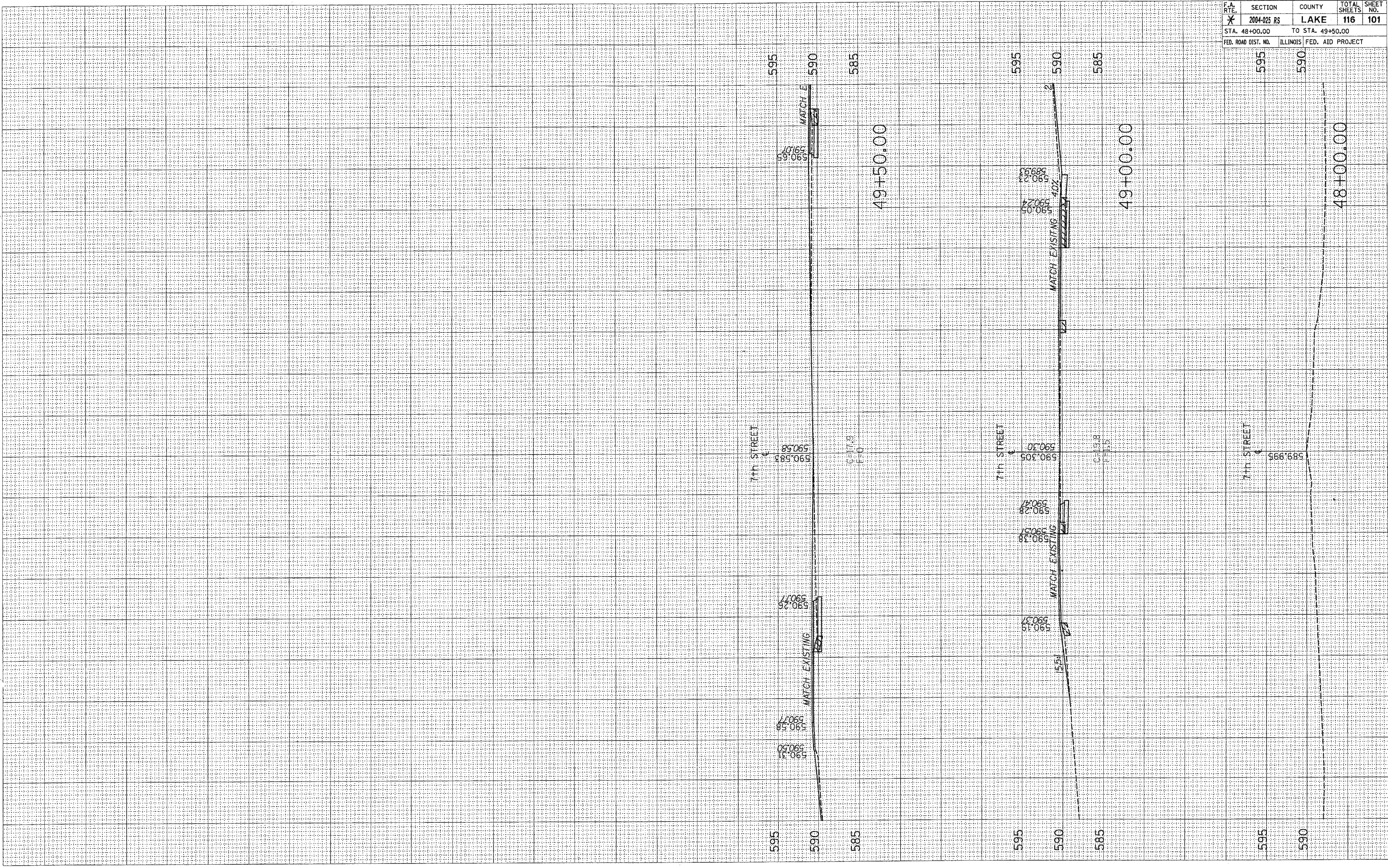
SCALE: NONE
DATE 1/24/2006

DRAWN BY CADD
DESIGNED BY
CHECKED BY R.K.F.
TS07

REVISION DATE:

PARK ROADS		CONTRACT NO. 62745	
F.A. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-025 RS	LAKE	116	101
STA. 48+00.00 TO STA. 49+50.00			
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT	

FINN SURVEYED _____ SURVEYED _____
 SURVEY PLOTTED _____ PLOTTED _____
 NOTE BOOK _____ AREA _____
 CHECKED _____
 DATE _____



595
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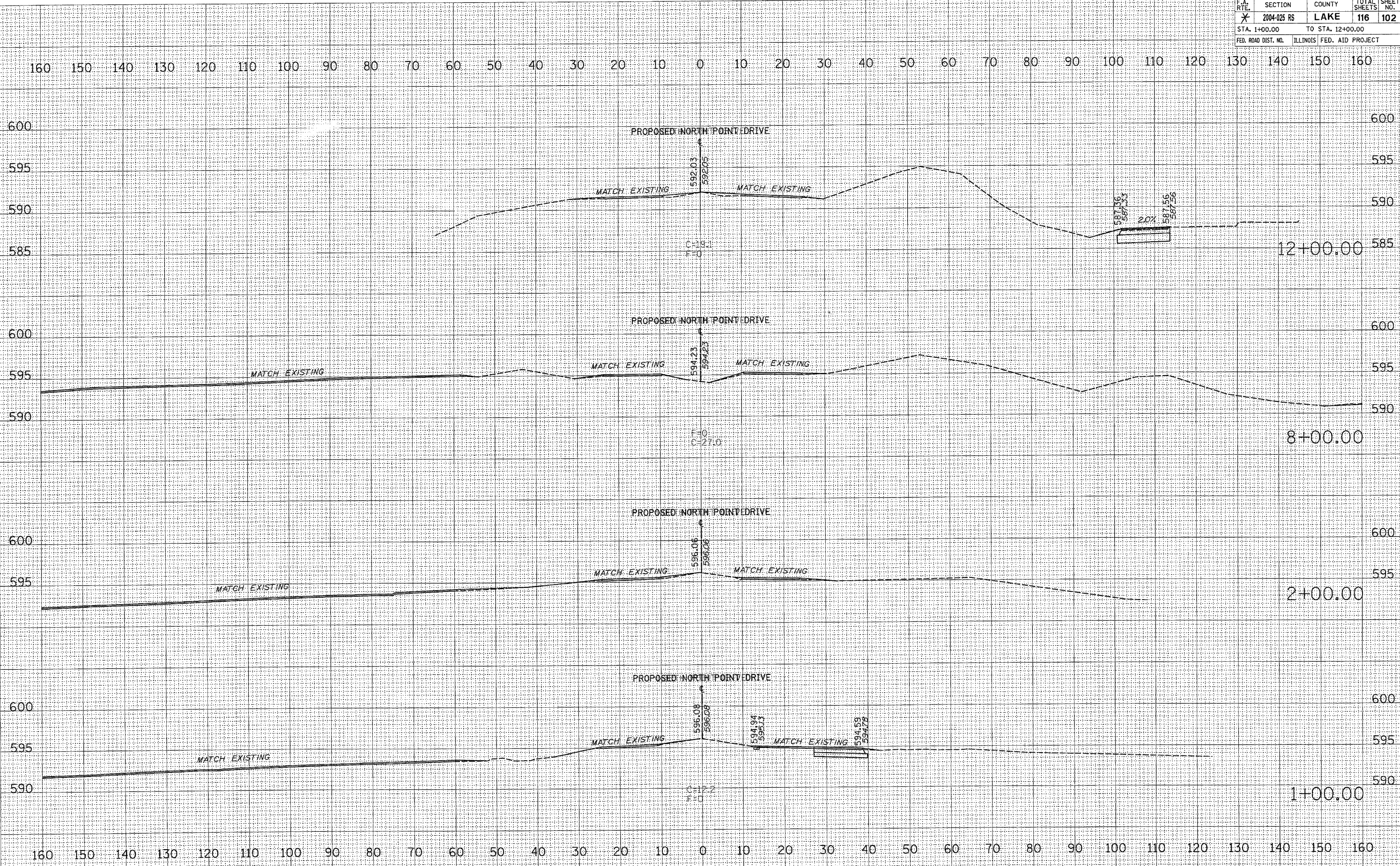
595
 590
 585

595
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 585

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	102

STA. 1+00.00 TO STA. 12+00.00

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



DATE	BY

FINAL SURVEY NOTE BOOK NO.
 EXAMINED, PLOTTED, AREAS CHECKED,
 TEMPLATE, NO.

DATE	BY

ORIGINAL SURVEY NOTE BOOK NO.
 EXAMINED, PLOTTED, AREAS CHECKED,
 TEMPLATE, NO.

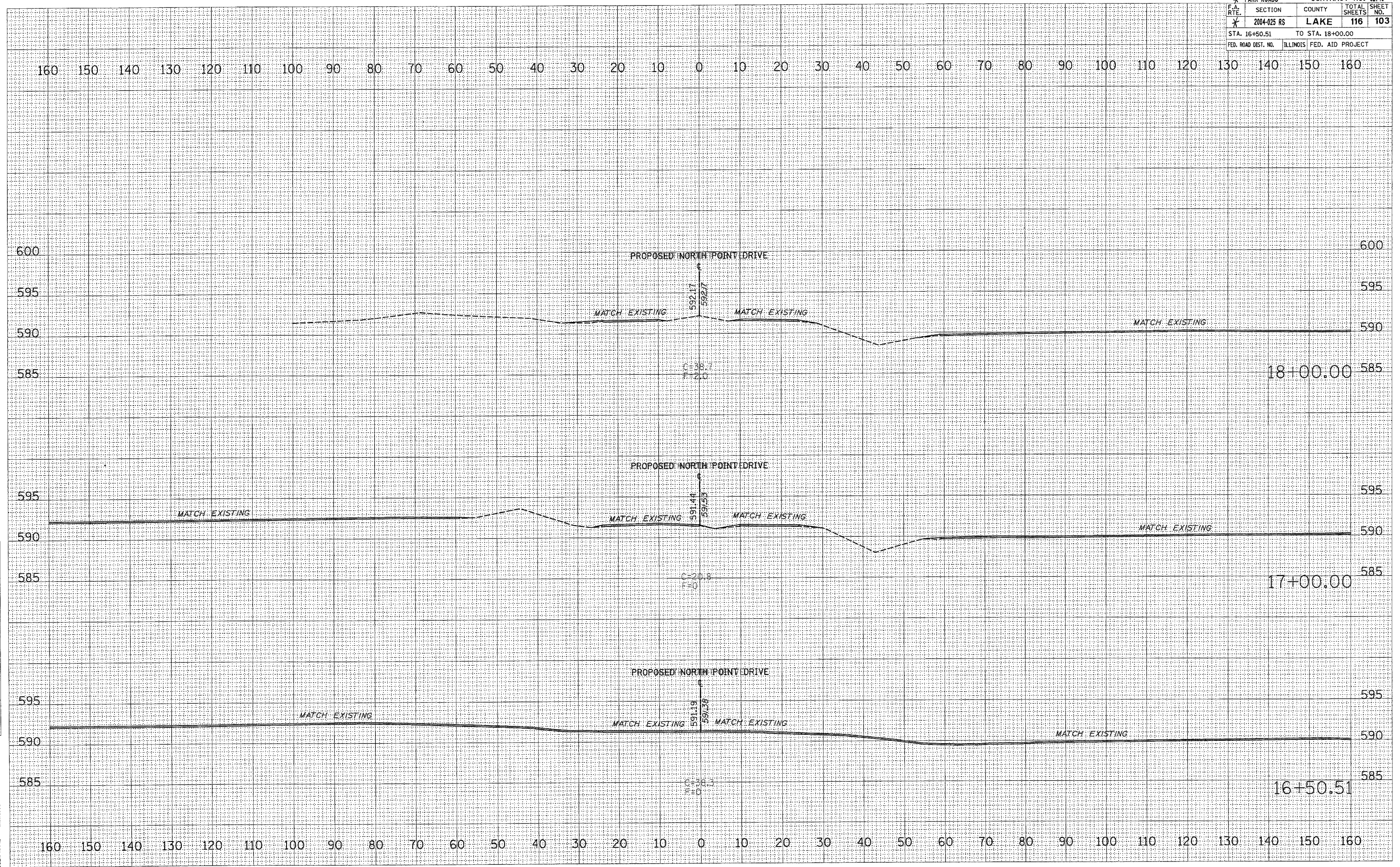
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 USER NAME = thomasd

* PARK ROADS		CONTRACT NO. 02745	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	2004-025 RS	LAKE	116
STA. 16+50.51		TO STA. 18+00.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

DATE	BY
SURVEYED	BY
TEMPLATE	
NO. OF SHEETS	
AREAS CHECKED	

DATE	BY
SURVEYED	BY
TEMPLATE	
NO. OF SHEETS	
AREAS CHECKED	

PLOT DATE = 12/13/2006
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 USER NAME = thomascad

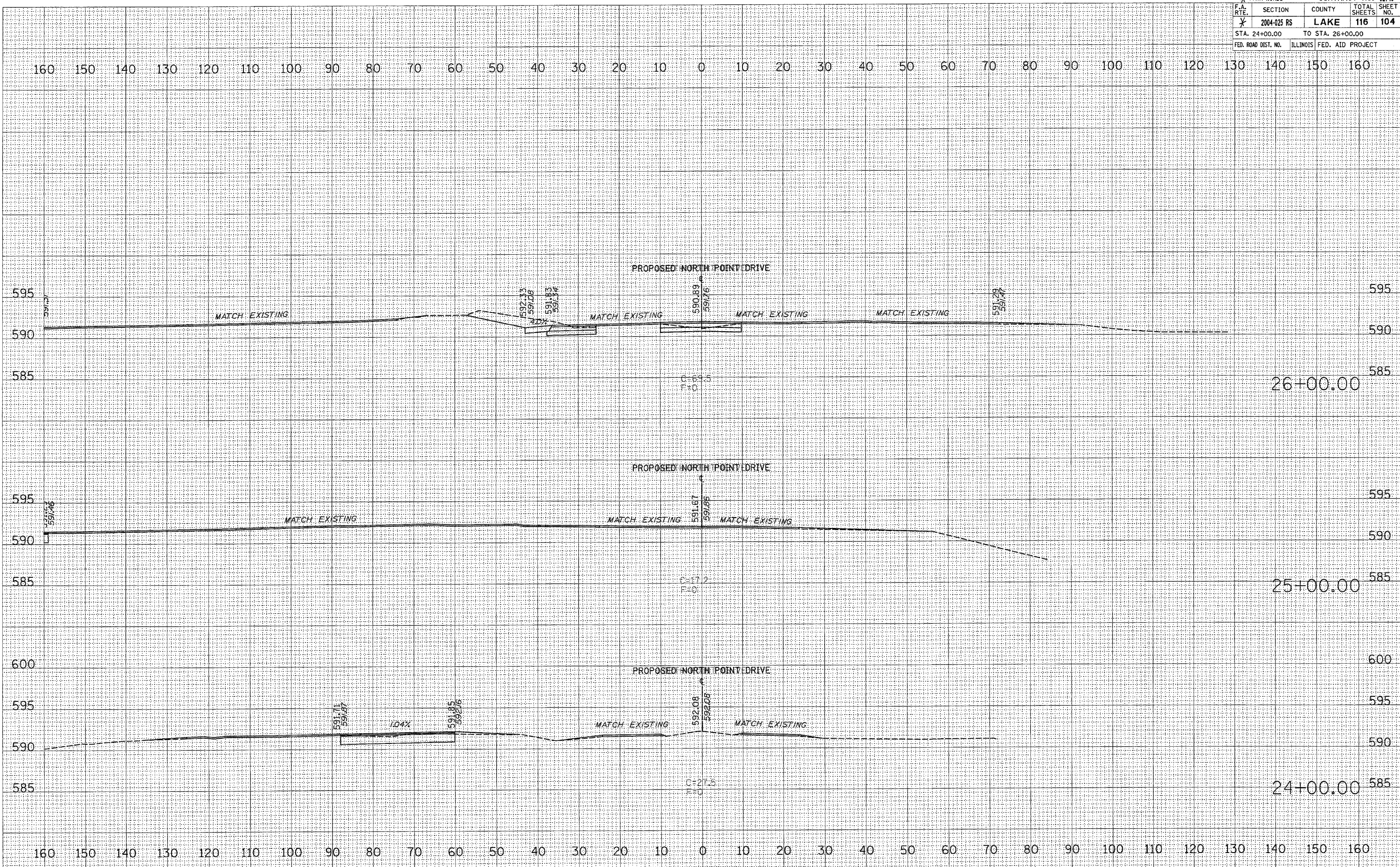


* PARK ROADS		CONTRACT NO. 62745	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	2004-025 RS	LAKE	116
STA. 24+00.00		TO STA. 26+00.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

DATE	BY

DATE	BY

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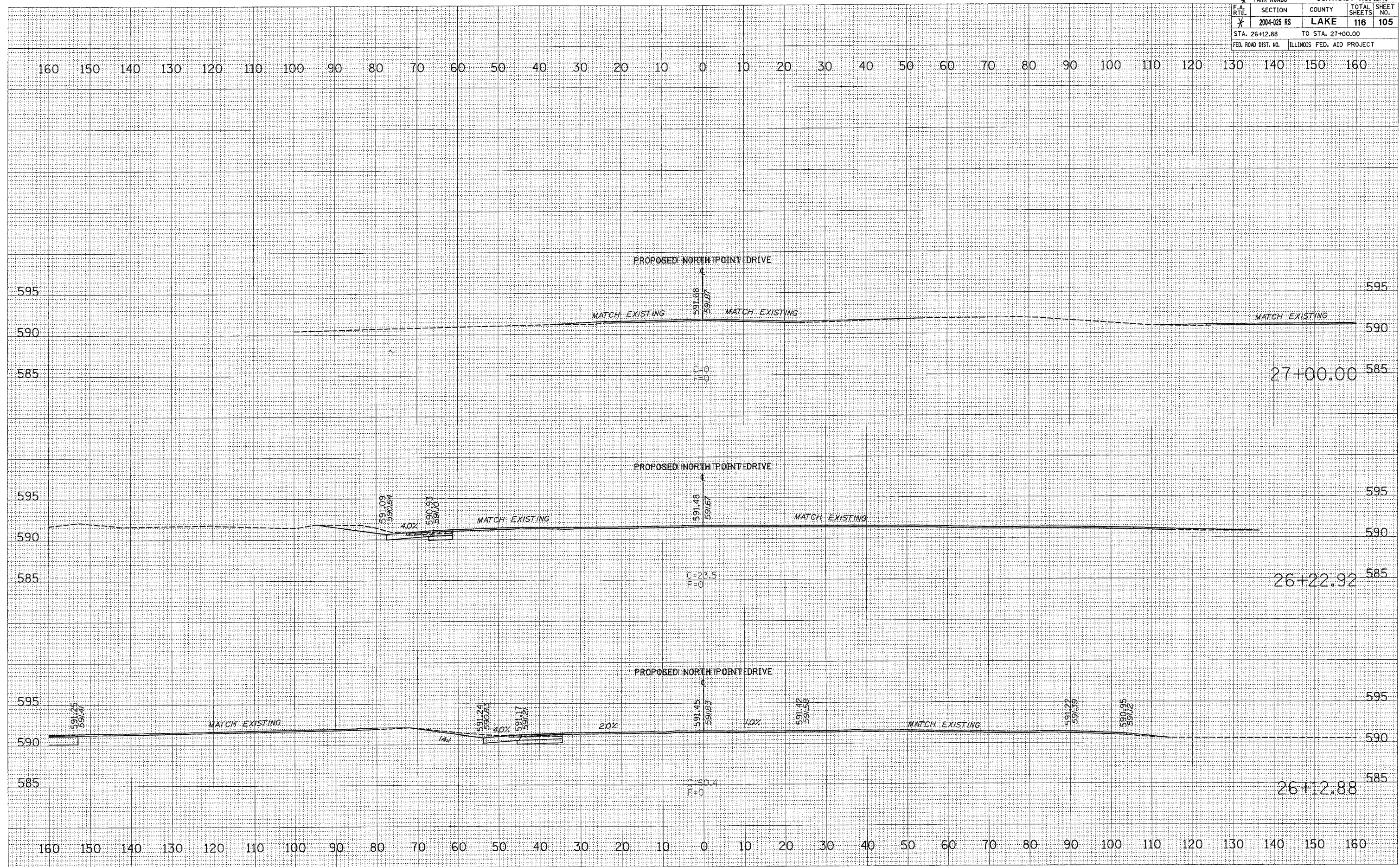


IDNR FILE NO. 2-03-025A			
* PARK ROADS		CONTRACT NO. 62745	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	2004-025 RS	LAKE	116
STA. 26+12.88		TO STA. 27+00.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

ORIGINAL SURVEY	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

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 PLOT SCALE = 1/8" = 100'
 USER NAME = thomson

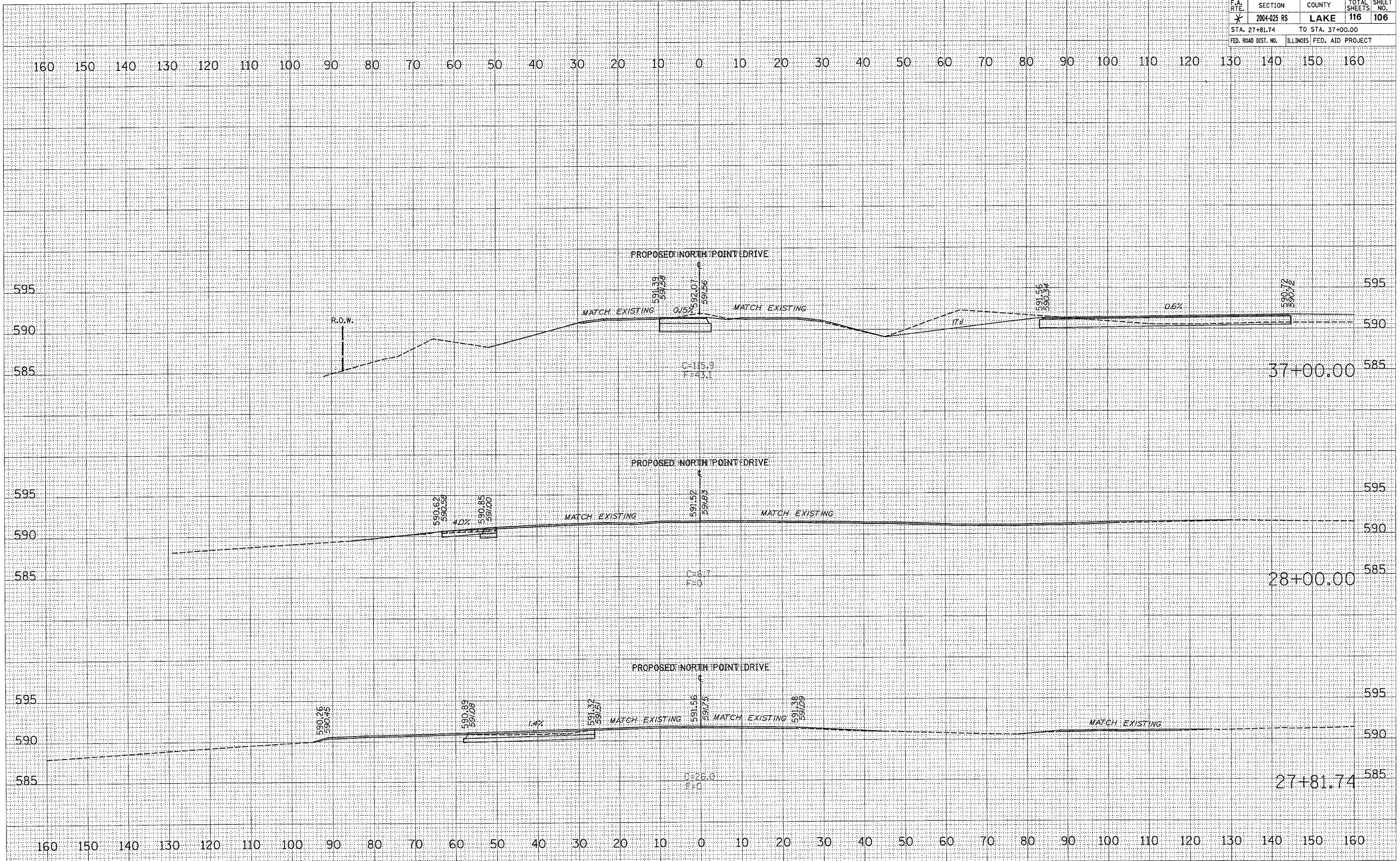


IDNR FILE NO. 2-03-025A				
* PARK ROADS		CONTRACT NO. 62745		
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	106
STA. 27+81.74		TO STA. 37+00.00		
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

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

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

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 USER NAME = drommond



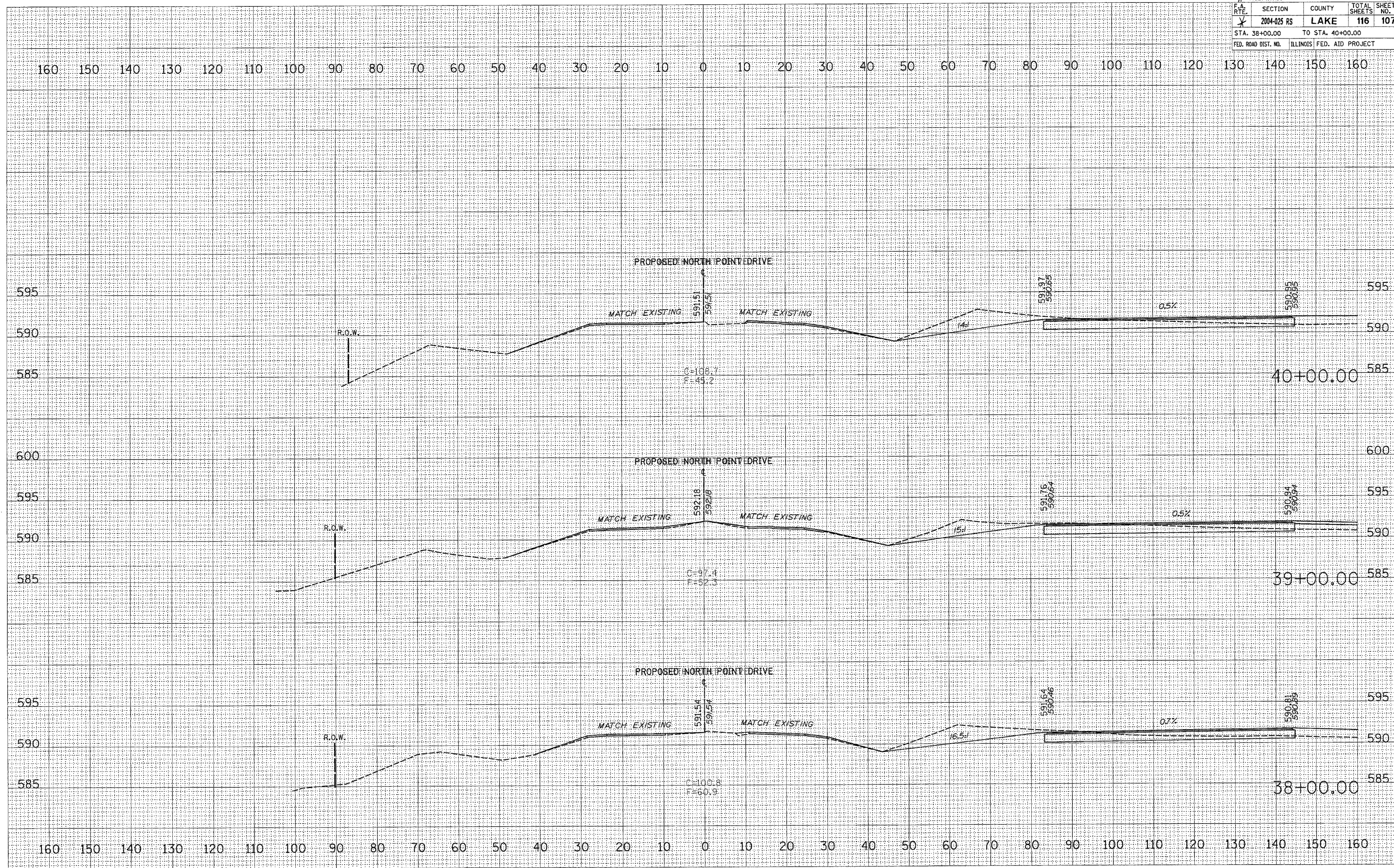
DATE
 BY
 SURVEYED
 NOTED
 TEMPLATE
 AREAS CHECKED

FINAL SURVEY
 NOTE BOOK
 NO.

DATE
 BY
 SURVEYED
 NOTED
 TEMPLATE
 AREAS CHECKED

ORIGINAL SURVEY
 NOTE BOOK
 NO.

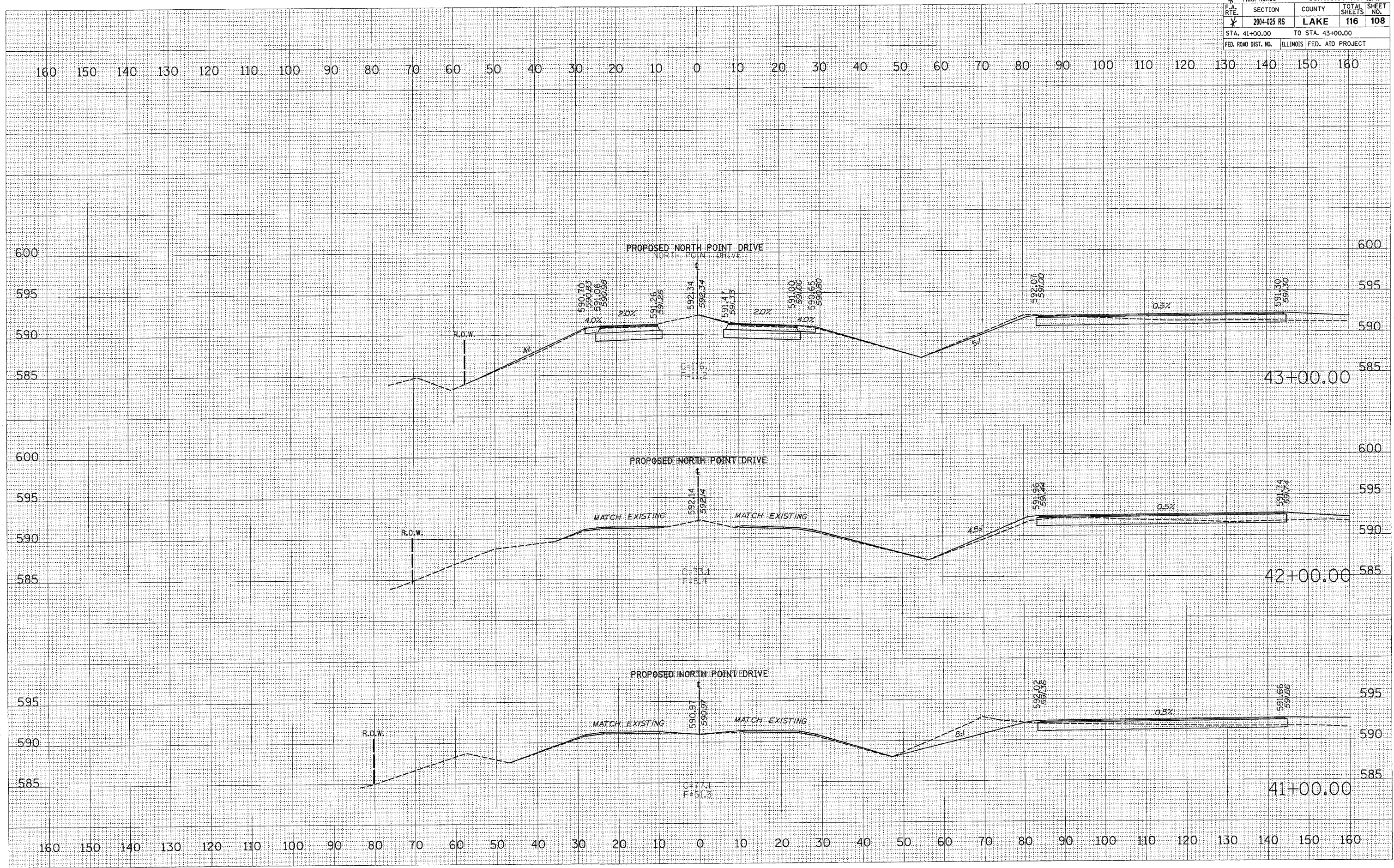
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 PLOT SCALE = 80.000' = 1" IN.
 USER NAME = thomasaad



DATE	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

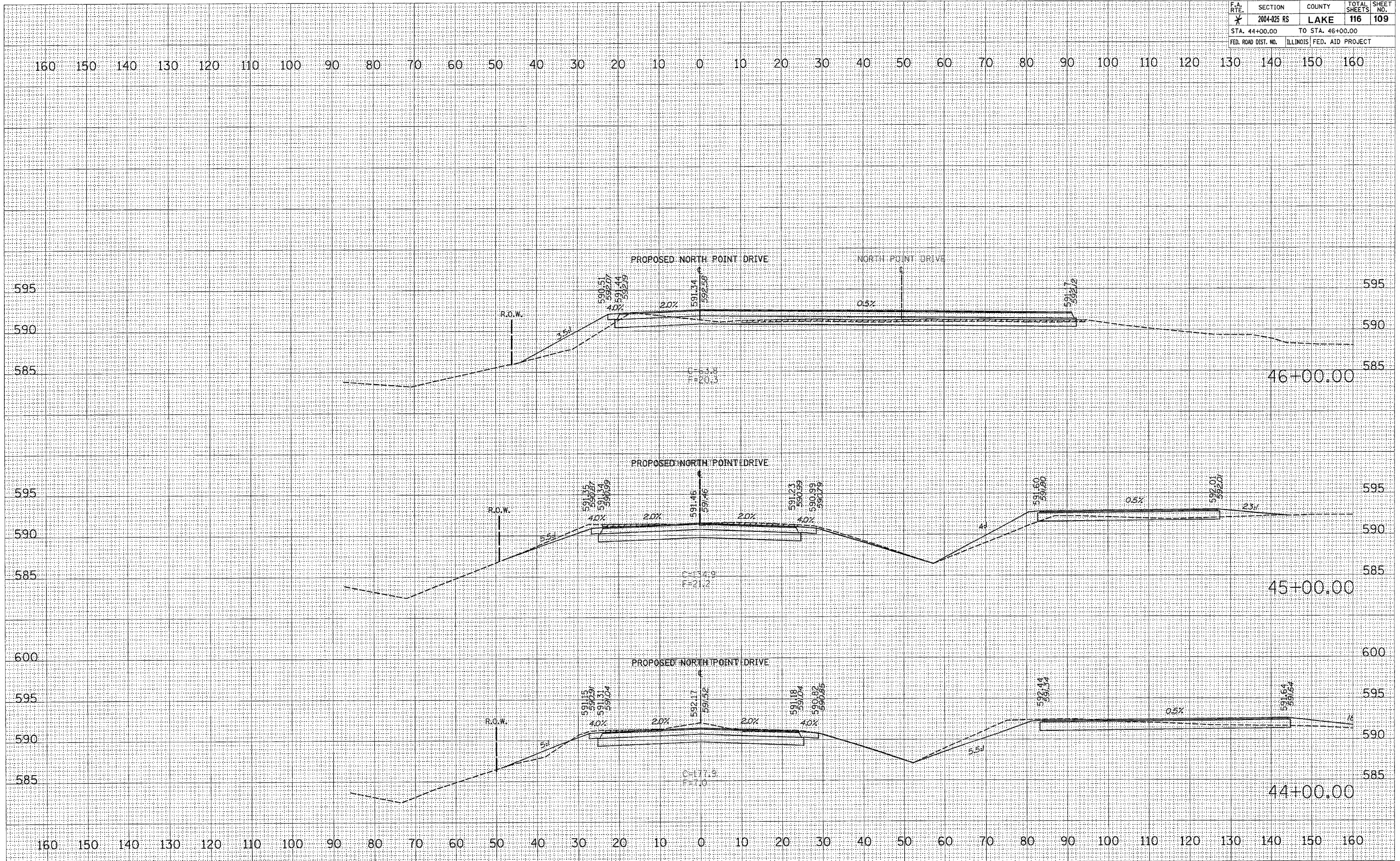
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 PLOT SCALE = 18.0000 / IN.
 USER NAME = thomas



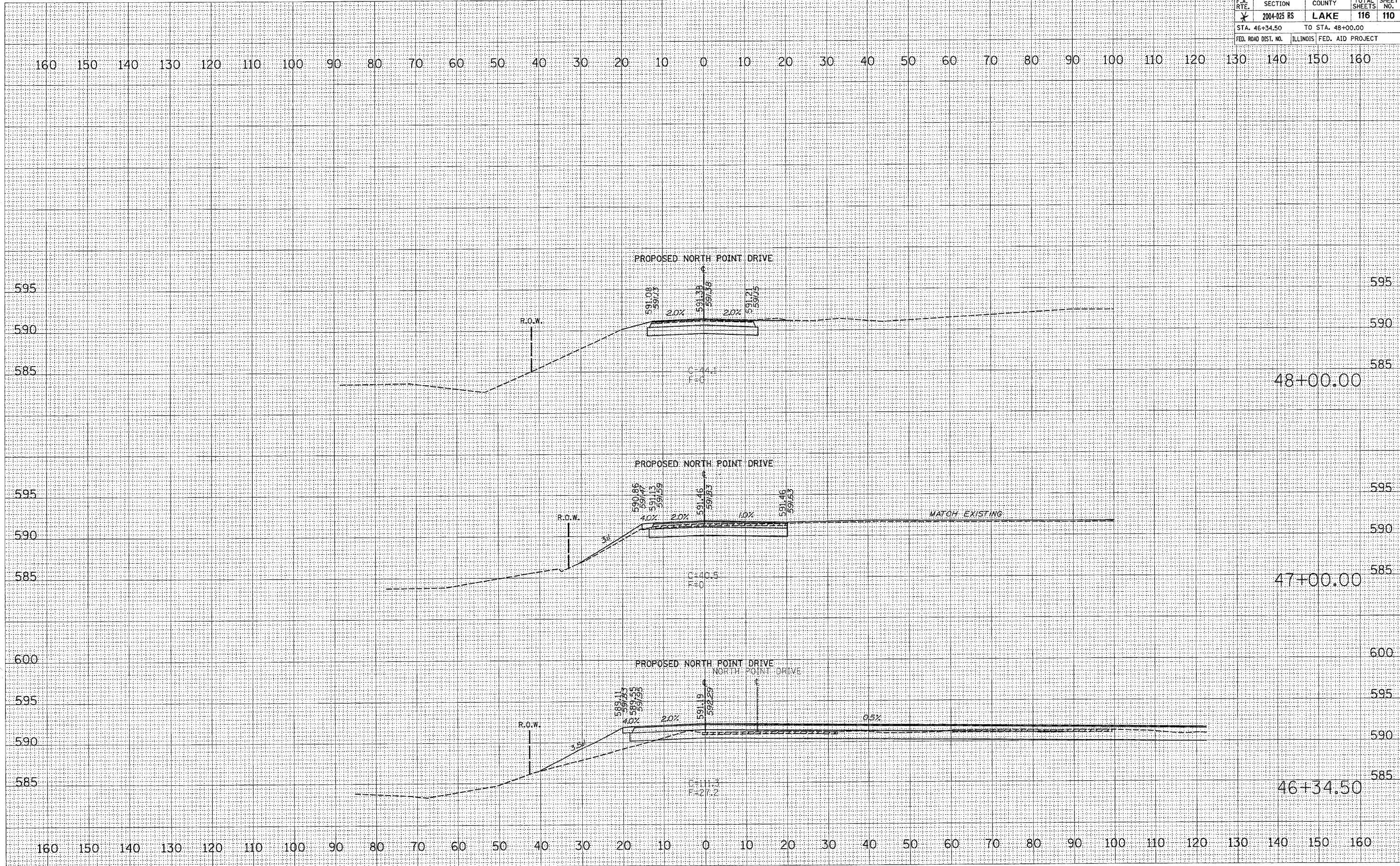
DATE	
BY	
SURVEY NO.	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	

DATE	
BY	
SURVEY NO.	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	

PLOT DATE = 12/13/2006
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 USER NAME = thomasr



IDNR FILE NO. 2-03-025A				
* PARK ROADS				CONTRACT NO. 62745
F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	110
STA. 46+34.50		TO STA. 48+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DATE	BY
FINN	SURVEYED
SIBREY	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

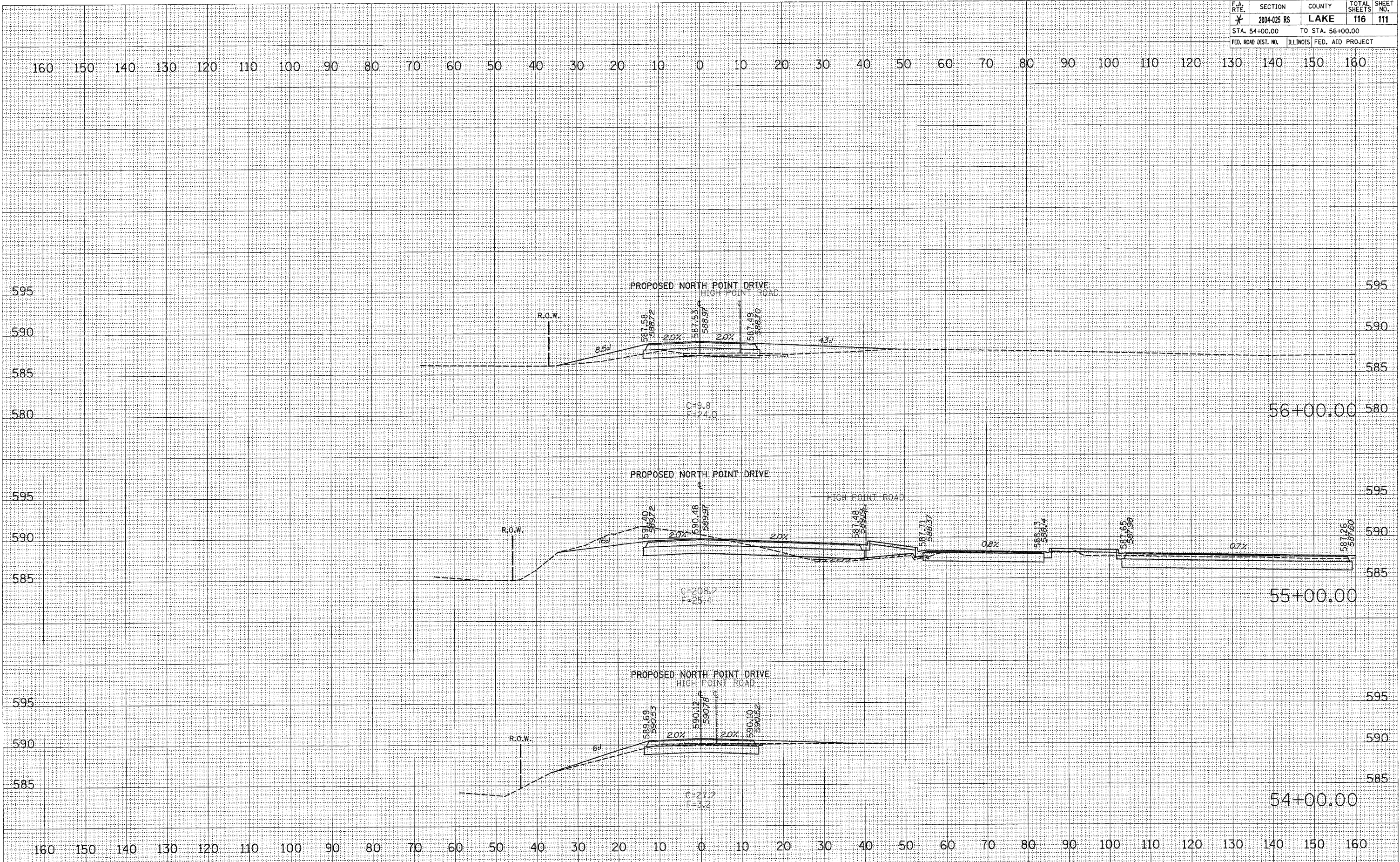
DATE	BY
ORIGINAL	SURVEYED
SIBREY	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

PLOT DATE = 12/13/2005
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 PLOT SCALE = 1/8" = 1' IN.
 USER NAME = dwardward

BY	DATE

BY	DATE

PLOT DATE = 12/13/2005
 FILE NAME = s:\projects\p134482\as-phor-tpa-1\p134482.dwg
 USER NAME = shonard



DATE: _____ BY: _____

FINAL SURVEY SHOWN PLOTTED

NOTE BOOK NO. _____

AREAS CHECKED _____

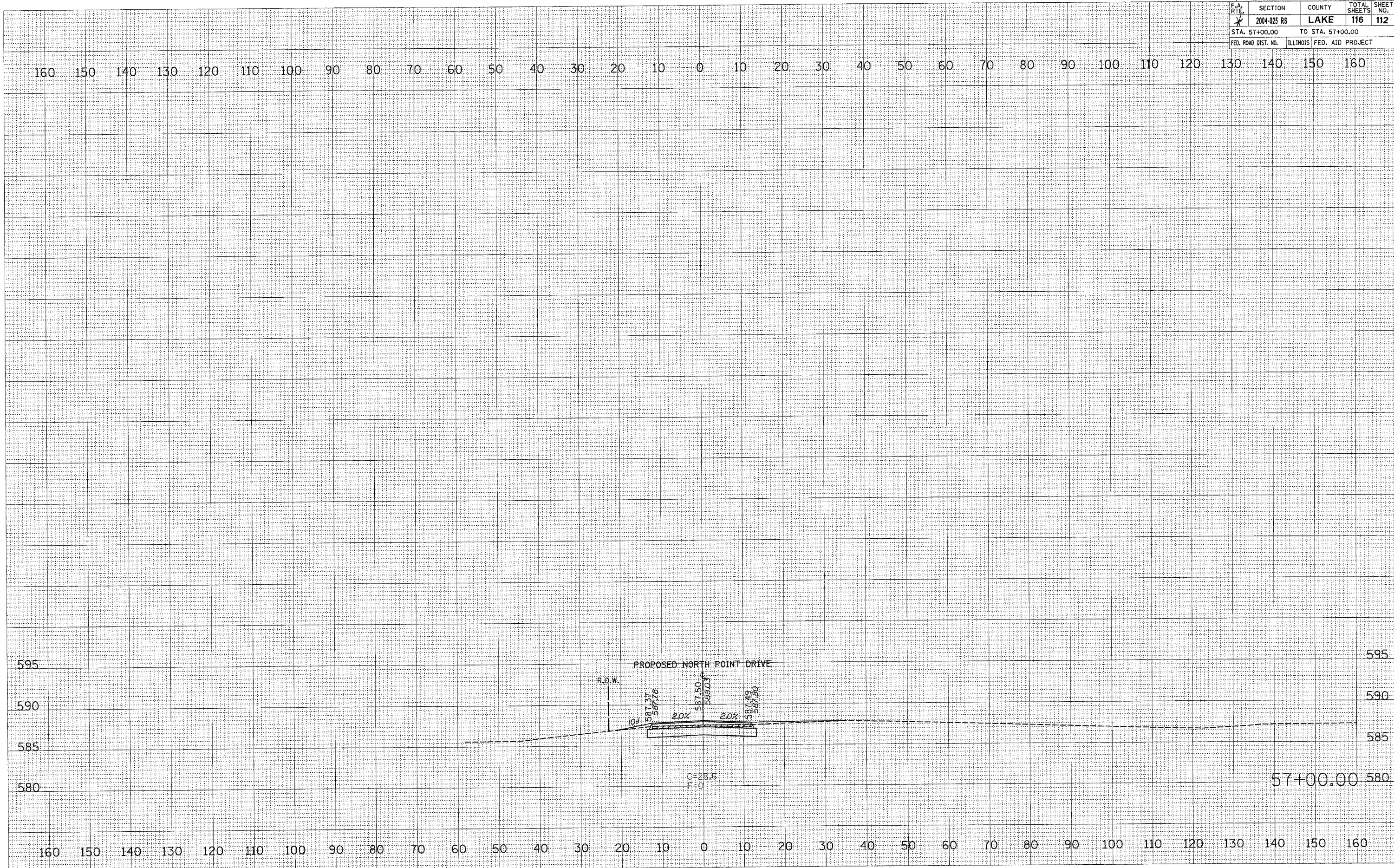
DATE: _____ BY: _____

ORIGINAL SURVEY SHOWN PLOTTED

NOTE BOOK NO. _____

AREAS CHECKED _____

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 USER NAME = thomasc

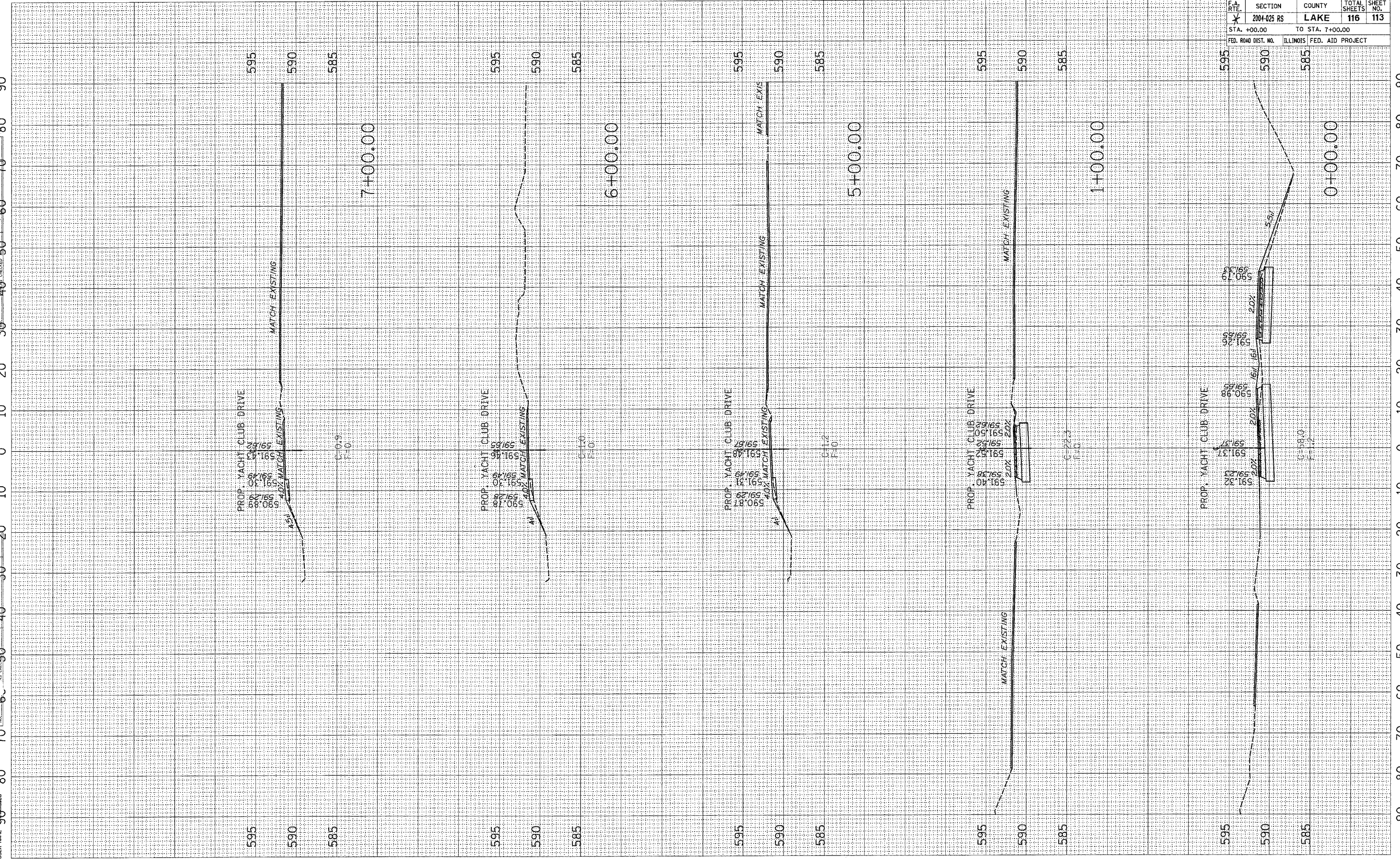


PLOT DATE = 12/13/2005
 FILE NAME = G:\2005\025\025A\025A.dwg
 USER NAME = J. J. J. J.

ORIGINAL SURVEYED BY DATE
 PLOTTED SURVEYED BY DATE
 NO. 60 40 30 20 10 0 10 20 30 40 50 60 70 80 90

FINAL SURVEYED BY DATE
 PLOTTED SURVEYED BY DATE
 NO. 40 30 20 10 0 10 20 30 40 50 60 70 80 90

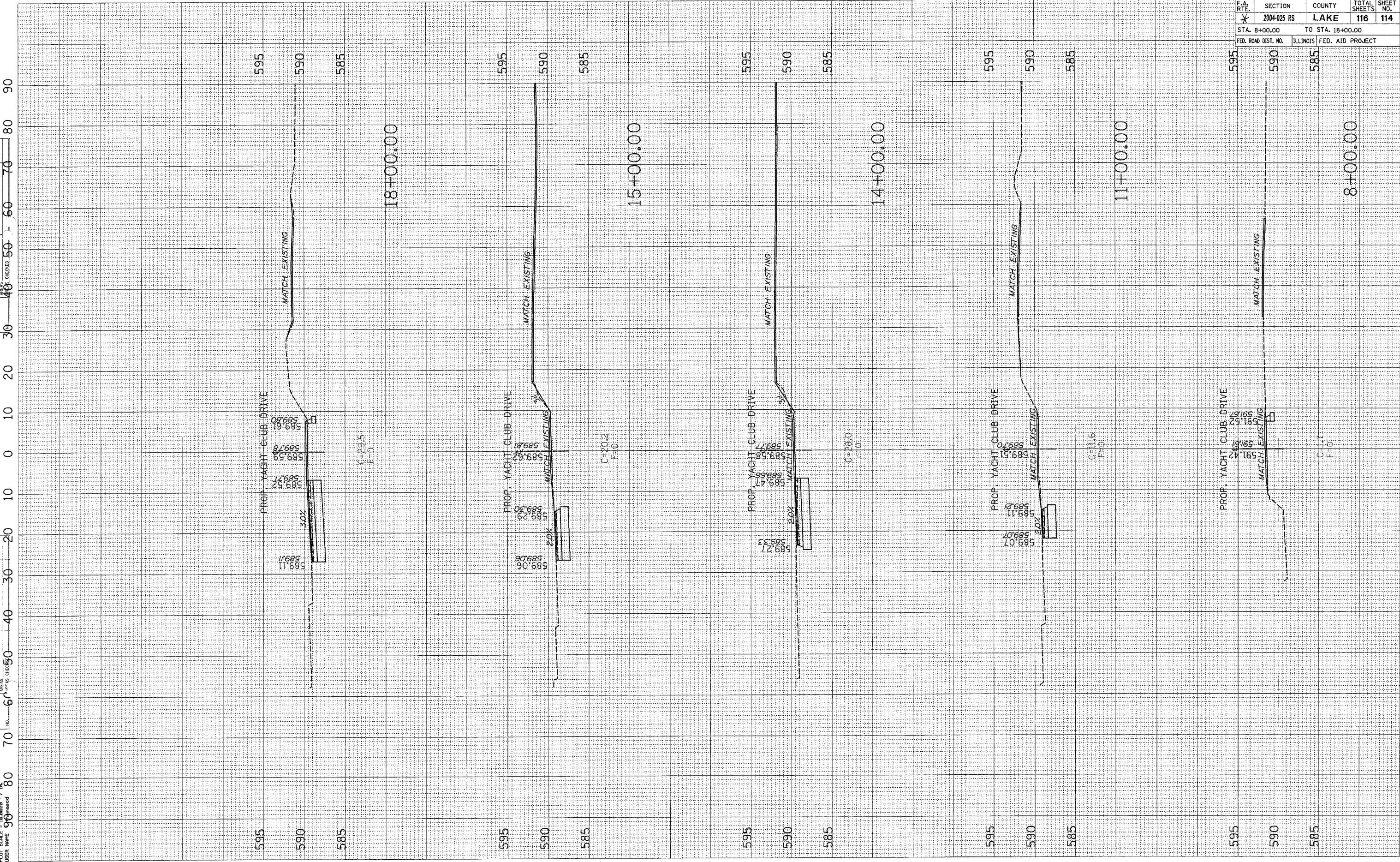
* PARK ROADS		CONTRACT NO. 62745	
RTE.	SECTION	COUNTY	TOTAL SHEET NO.
* 2004-025 RS	LAKE	116	113
STA. +00.00	TO STA. 7+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



* PARK ROADS		CONTRACT NO. 62745	
FA RTE.	SECTION	COUNTY	TOTAL SHEETS
* 2004-025 RS	LAKE	116	114
STA. 8+00.00		TO STA. 18+00.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
CHECKED	
DATE	

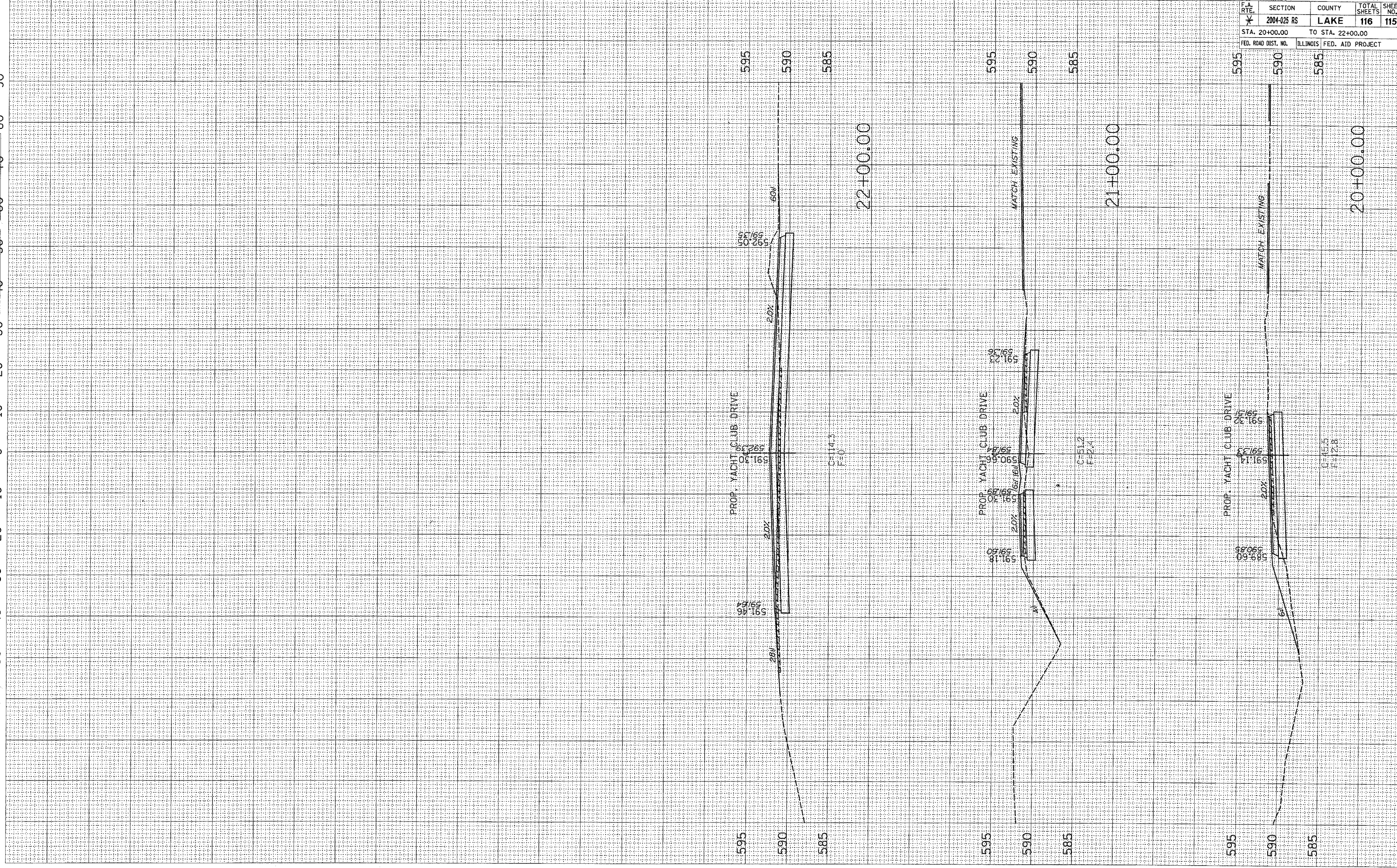
FILE NAME	BY	DATE
PROJECT		
PLANT		
NOTE BOOK		
DATE		
USER NAME		



PLOT DATE = 12/13/2005
 PLOT SCALE = 10.0000 IN.
 USER NAME = jmesad

ORIGINAL SURVEY NO. 6-1-1
 SURVEY DATE 12/13/2005
 SURVEY BY jmesad

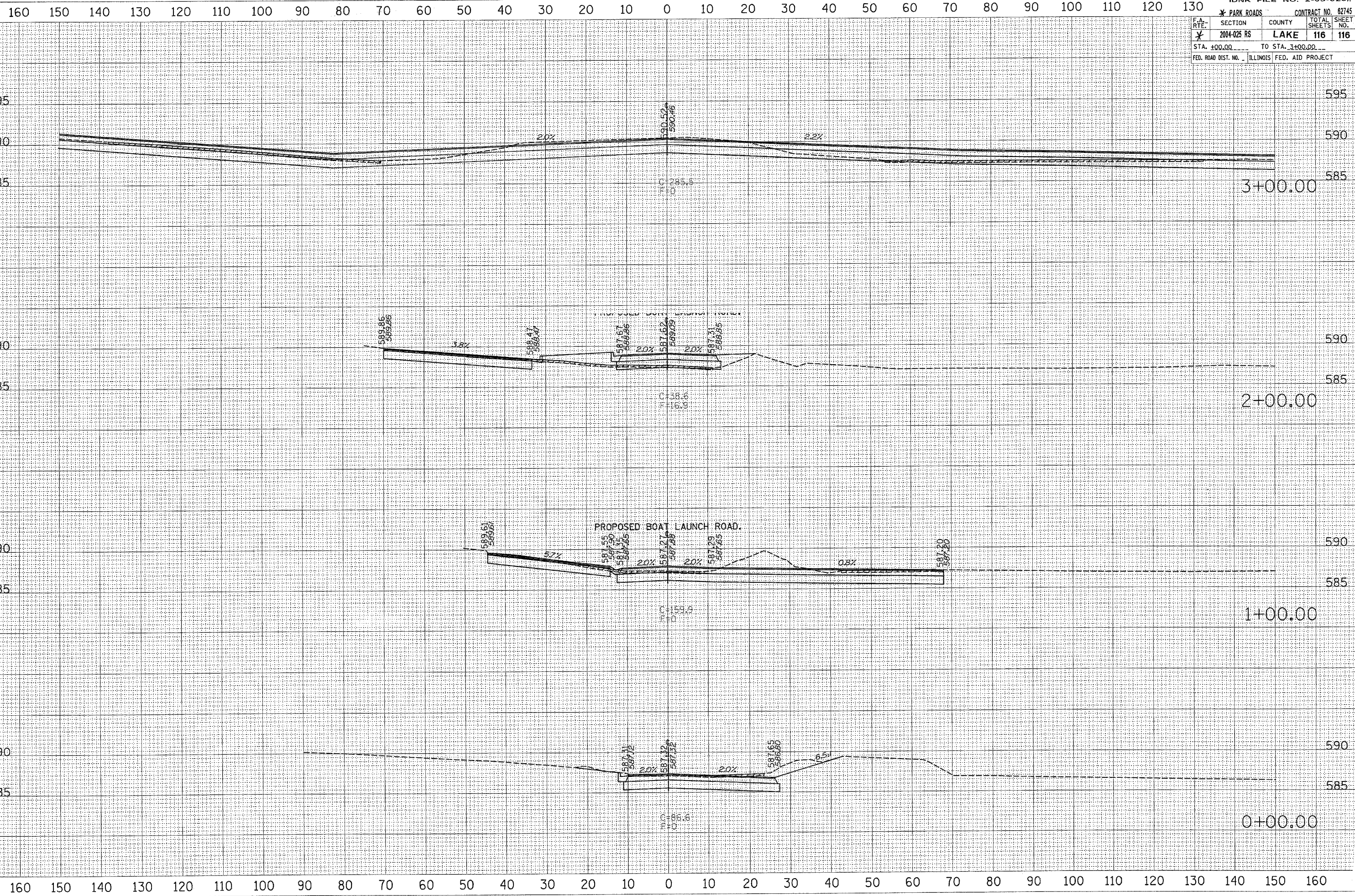
FINAL SURVEY NO. 40
 SURVEY DATE 12/13/2005
 SURVEY BY jmesad



IDNR FILE NO. 2-03-025A

* PARK ROADS		CONTRACT NO. 02745	
RTE	SECTION	COUNTY	TOTAL SHEETS
* 2004-025 RS	LAKE	116	115
STA. 20+00.00 TO STA. 22+00.00		FED. AID PROJECT	
FED. ROAD DIST. NO. ILLINOIS			

F.A. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	116
STA. ±00.00		TO STA. ±100.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____

DATE: 12/13/2005
 FILE NAME: C:\pwork\2005\12\13\2005\12131000.dwg
 PLOT SCALE: 1/8" = 10.0000' / IN.
 USER NAME: thomasd