

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00001-06-BT	DUPAGE	30	1

CONTRACT NO.: 83805

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

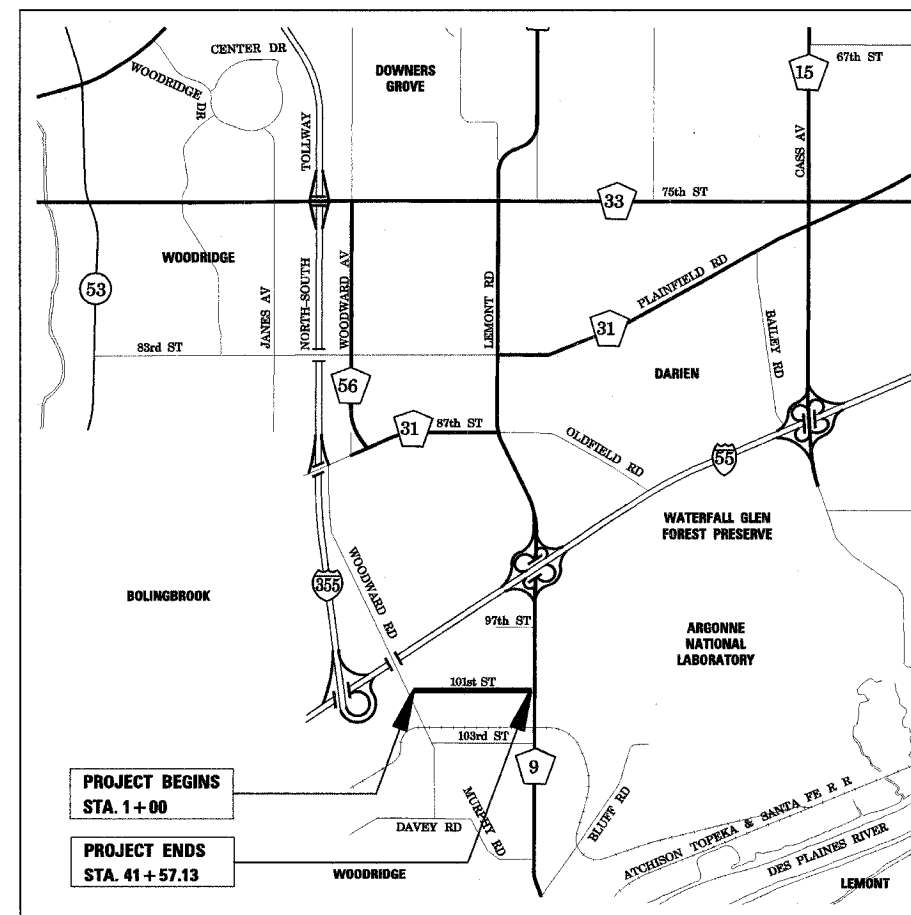
**SOUTHERN DU PAGE COUNTY REGIONAL TRAIL
101st STREET CONNECTOR – WATERFALL GLEN SPUR
WOODWARD AVENUE TO LEMONT ROAD
SECTION 03-00001-06-BT
PROJECT NO: M-8003 (440)
DUPAGE COUNTY
C-91-309-04**

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES AND TYPICAL SECTIONS
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- 5-11. PLAN & PROFILE
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- 16-26. CROSS SECTIONS
27. CULVERT EXTENSION
28. CULVERT EXTENSION DETAILS
29. HANDRAIL DETAILS
30. DETAIL - PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE

HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
424001-04	SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
602401	MANHOLE, TYPE A
604001-02	FRAME AND LIDS, TYPE 1
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-01	CHAIN LINK FENCE
701101-01	OFF ROAD OPERATIONS, MULTILANE, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701106-01	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701606-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
702001-05	TRAFFIC CONTROL DEVICES



DESIGN SPEED OF MULTI-USE
PATH = 20 MPH

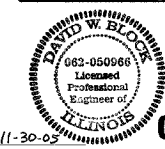


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED June 9 2005
Charles F. Tokarski
DUPAGE COUNTY

APPROVED June 10 2005
[Signature]
LOCAL ROADS ENGINEER

APPROVED June 13, 2005
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS - REGION ENGINEER



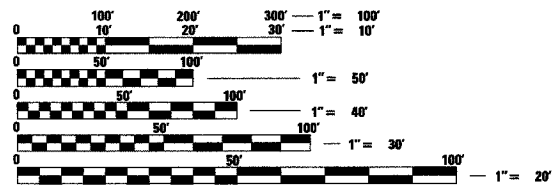
PLANS PREPARED BY:
RJN GROUP, INC.
CONSULTING ENGINEERS
WHEATON, ILLINOIS
ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE No. 184-000813

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

[Signature]
REGISTERED P.E. STATE OF ILLINOIS
(SHEETS 1-26)

[Signature]
REGISTERED S.E. STATE OF ILLINOIS
(SHEETS 27-29)

NOT TO SCALE
DOWNERS GROVE TOWNSHIP
T37N R11E
GROSS LENGTH OF PROJECT = 4,057.13 FT = 0.768 MILE
NET LENGTH OF PROJECT = 4,057.13 FT = 0.768 MILE



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

PLANS PREPARED FOR
DUPAGE COUNTY DIVISION OF TRANSPORTATION
CHARLES F. TOKARSKI, P.E. COUNTY ENGINEER

CONTRACT NO. 83805

FEDERAL AID DESIGN ENGINEER: ABIGAIL BRINKS (847) 705-4233
CONSULTANT: RJN GROUP, INC. (630) 682-4700

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	2
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805

GENERAL NOTES

- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- DURING THE CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED, AT HIS EXPENSE, TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS.
- ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITE. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- EROSION CONTROL WORK ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
- THE LANDSCAPING AND EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.

TREE REMOVAL CLEARING HEDGE REMOVAL

- TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
- ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK MUST BE REMOVED FROM THE RIGHT-OF-WAY AND DISPOSED OF AT THE END OF EACH DAY IN ACCORDANCE WITH ARTICLE 202.03. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TREE REMOVAL.
- ALL CLEARING, REMOVAL OF BUSHES, HEDGES AND TREES UNDER SIX (6) INCHES IN DIAMETER WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

OVERHANGING LIMBS

- ALL CUTS OVER ONE (1) INCH IN DIAMETER SHALL BE MADE FLUSH WITH THE NEXT LARGE BRANCH.
- ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK MUST BE REMOVED FROM THE RIGHT-OF-WAY AND DISPOSED OF AT THE END OF EACH DAY IN ACCORDANCE WITH ARTICLE 202.03. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR AS PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE.
- ALL BRANCHES THAT ARE LESS THAN 8 FEET ABOVE THE FINISHED SURFACE OF THE TRAIL SHALL BE REMOVED BY A CERTIFIED ARBORIST. THIS WORK SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION. THIS WORK WILL BE PAID FOR AS "PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE".

TOPSOIL

- TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES AND BE MEASURED IN SQUARE YARDS.
- THE CROSS SECTIONS INDICATE THE FINISHED GRADE OF TOPSOIL.
- TOPSOIL SHALL NOT BE STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION; THE LOCATIONS OF TOPSOIL STOCKPILES WITHIN THE RIGHT-OF-WAY MUST BE APPROVED BY THE ENGINEER.

ROADWAY EXCAVATION

- ALL EXISTING CULVERTS, STORM SEWERS, OR DRAINAGE STRUCTURES MARKED FOR REMOVAL ON THE PLANS OR DESIGNATED IN THE FIELD BY THE ENGINEER TO BE REMOVED SHALL BE REMOVED AND ANY EXCAVATION SHALL BE BACKFILLED WITH A GRANULAR MATERIAL MEETING THE SPECIFICATIONS FOR FA-1 OR FA-2. THE COST OF ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR STORM SEWER OR PIPE CULVERT UNLESS PAID FOR AS A SPECIFIC ITEM.
- ALL EXISTING GRANULAR AND BITUMINOUS MATERIALS TO BE REMOVED AND NOT PAID AS A SPECIFIC ITEM SHALL BE CONSIDERED EARTH EXCAVATION AND WILL BE PAID FOR AT THE UNIT PRICE FOR EARTH EXCAVATION. THE CONTRACTOR WILL HAVE THE OPTION OF REMOVING THE EXISTING BITUMINOUS MATERIAL BY GRINDING OR EXCAVATING THE MATERIAL. IF THE BITUMINOUS MATERIAL IS REMOVED BY EXCAVATION, IT MAY NOT BE USED IN EMBANKMENT AREAS UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. BITUMINOUS MATERIAL REMOVED BY GRINDING MAY BE USED AS EMBANKMENT MATERIAL. NO BITUMINOUS MATERIAL SHALL BE REMOVED IN AREAS TO BE USED FOR TEMPORARY ROADWAY.
- THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED WITH LOADED SCRAPERS OR TRACK EQUIPMENT.
- ALL EMBANKMENTS AND SUB-GRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING AGGREGATE SUBGRADE OR SUB-BASE GRANULAR MATERIAL.

STORM SEWERS STRUCTURES UTILITIES

- THE STATION / OFFSET / ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE; ELEVATION INDICATES RIM GRADES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATERMANS, AND STREET LIGHTS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT, RELOCATION, OR EXTENSION OF THE UTILITY INVOLVED.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNER OF THE UTILITY.
- EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWER.
- THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER BEING CONNECTED.
- MANHOLES AND CATCH BASINS TYPE A WHERE THE DIFFERENCE BETWEEN THE RIM ELEVATION AND INVERT ELEVATION IS LESS THAN SIX (6) FEET, SHALL BE CONSTRUCTED WITH FLAT TOPS.
- ALL ADJUSTMENTS OR RECONSTRUCTIONS SHALL INCLUDE THE REMOVAL AND REPLACEMENT, AT THE CONTRACTOR'S EXPENSE, OF ALL UNSUITABLE TWO (2) FOOT INSIDE DIAMETER ADJUSTING RINGS.
- ADJUSTMENT OF STRUCTURES MAINTAINED BY OTHER AGENCIES SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY MAINTAINING THE SYSTEM OF THE STRUCTURE INVOLVED.
- ALL MANHOLES AND INLETS SHALL HAVE POURED INVERTS. THE COST OF INVERTS SHALL BE INCLUDED IN THE COST OF THE STRUCTURE.
- ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER; THIS WORK WILL BE PAID FOR AT THE APPLICABLE CONTRACT UNIT PRICE OR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE SURFACE COURSE AND BITUMINOUS BASE COURSE

- BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AGGREGATE BASE COURSE, AND BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- THE MAXIMUM COMPACTED THICKNESS OF ANY LIFT OF BINDER OR SURFACE COURSE, SUPERPAVE SHALL BE 2.5 INCHES.
- THE MAXIMUM COMPACTED THICKNESS OF A LIFT OF BASE COURSE WILL BE FOUR (4) INCHES UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

TRENCH BACKFILL

- WHERE TRENCH BACKFILL IS REQUIRED, THE MATERIAL USED SHALL BE COMPACTED AS SPECIFIED IN ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS USING METHOD ONE.

TRAFFIC CONTROL AND PROTECTION

- TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR CONSTRUCTION ZONE TRAFFIC CONTROL (CHECK SHEET LRS 9).
- THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 702001 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
- ANY DROP OFF GREATER THAN THREE (3) INCHES BUT LESS THAN SIX (6) INCHES, WITHIN EIGHT (8) FEET OF THE PAVEMENT EDGE, SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 100 FOOT CENTER TO CENTER SPACING. IF THE DROP OFF WITHIN EIGHT (8) FEET OF THE PAVEMENT EDGE EXCEEDS SIX (6) INCHES, THE BARRICADES, DRUMS OR VERTICAL PANELS MENTIONED ABOVE SHALL BE PLACED AT FIFTY (50) FOOT CENTER TO CENTER SPACING. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 702001.
- TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
- TYPE I, II AND / OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.
- THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.
- WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.
- ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
- THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT: 701101, 701106, 701301, 701606, 701701 & 702001.

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NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE	
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY DWB	DATE



RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT	Southern DuPage County Regional Trail 101st Street Connector - Waterfall Glen Spur	TITLE	GENERAL NOTES	DATE: JUNE 9, 2005
				PROJECT No. II-1900-01
				SHEET

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	4
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805

TREE REMOVAL

STATION	OFFSET	6 - 15 UNITS	STATION	OFFSET	6 - 15 UNITS
5+27	11' RT	7"	14+55	15' RT	7"
5+36	2' LT	11"	15+13	13' RT	6"
8+12	15' RT	11"	15+89	1' RT	6"
8+28	5' LT	7"	16+15	13' RT	8"
8+33	7' LT	9"	17+99	13' RT	11"
8+52	9' LT	9"	19+08	15' RT	8"
9+03	14' RT	12"	19+68	15' RT	8"
9+16	5' LT	6"	20+17	3' LT	6"
9+56	15' RT	9"	20+41	7' RT	8"
9+79	3' RT	9"	23+19	8' LT	6"
10+17	5' RT	13"	23+26	17' RT	9"
10+49	21' RT	13"	23+54	7' LT	9"
11+38	15' RT	8"	26+54	15' RT	6"
12+11	7' RT	7"	27+45	14' RT	8"
13+07	5' RT	6"	27+67	1' RT	11"
13+32	15' RT	13"	28+35	5' LT	11"
13+88	11' RT	6"	31+06	18' RT	9"
14+43	2' RT	6"	39+95	7' LT	15"
			TOTAL		314 UNITS

EROSION CONTROL

STATION	OFFSET	TEMPORARY DITCH CHECKS	INLET & PIPE PROTECTION	STATION	OFFSET	TEMPORARY DITCH CHECKS	INLET & PIPE PROTECTION
		28000300	28000500			28000300	28000500
5+01	23' RT	1		35+99	29' RT	1	
5+77	21' RT	1		37+55	30' RT	1	
6+53	20' RT	1		39+00	30' RT	1	
7+23	23' RT	1		2+31	16' RT		1
7+99	25' RT	1		4+62	22' RT		1
8+77	27' RT	1		4+39	19' RT		1
9+55	29' RT	1		8+51	7' LT		1
10+24	32' RT	1		10+04	6' LT		1
13+00	28' RT	1		10+75	34' RT		1
14+59	27' RT	1		23+19	8' LT		1
16+77	26' RT	1		24+18	27' RT		1
26+99	27' RT	1		25+71	27' RT		1
28+38	18' RT	1		36+72	10' LT		1
29+99	21' RT	1		40+17	6' LT		1
31+56	27' RT	1		41+08	22' RT		1
33+00	27' RT	1		41+45	6' LT		1
34+54	28' RT	1					
				TOTALS		20	13

FENCE

STATION	OFFSET	CHAIN LINK FENCE, 6'	CHAIN LINK FENCE REMOVAL
		66400305	66410300
14+25	11' LT	20'	40'
33+07	15' LT	20'	40'
TOTALS		40'	80'

DRAINAGE

STATION	OFFSET	TRENCH BACKFILL	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12"	STORM SEWERS, CLASS A, TYPE 1 12" (FT)	STORM SEWERS, CLASS A, TYPE 1 15" (FT)	STORM SEWERS, CLASS A, TYPE 2 12" (FT)	STORM SEWERS, CLASS A, TYPE 2 36" (FT)	STORM SEWER REMOVAL 12" (FT)	STORM SEWER REMOVAL 15" (FT)	MANHOLES, TYPE A 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	CATCH BASINS TO BE ADJUSTED	CATCH BASINS TO BE RECONSTRUCTED	CATCH BASINS TO BE CLEANED	PLUG EXISTING STORM SEWER	REMOVE AND REINSTALL EXISTING PRECAST REINFORCED CONCRETE FLARED END SECTIONS
		20800150	54213657	550A0050	550A0070	550A0340	550A0450	55100500	55100700	60221100	60223800	60250200	60252800	60255410	Z0041700	XX003437
2+38	5' RT	18.20				25										
8+51	10' RT	5.04		26												
10+04	12.5' RT	5.63		29												
23+20	11' RT	10.91				32										
40+11	2' RT	10.92		15				15								
28+50	12' RT	2.14			7				6							
2+36	8.5' LT	15.08					10									
8+51	7' LT		1													
8+51	26' RT		1													
10+04	6' LT		1													
10+04	30.5' RT		1													
23+20	8' LT		1													
2+44	8' LT									1						
23+21	30.5' RT										1					
28+50	6' RT											1		1		
33+41	10' RT											1		1		
36+91	15' RT											1		1		
29+89	10' RT												1	1		
40+05	9' RT												1	1		
2+29	10' RT														2	
28+50	19' RT															1
TOTALS		68	5	70	7	57	10	15	6	1	1	3	2	5	2	1

	REM & DISP OF UNSUITABLE MATERIAL (PGES) (CU YD)	REM & DISP OF UNSUITABLE MATERIAL (TOPSOIL) (CU YD)	EARTH EXCAVATION (CU YD)	STORM SEWER EXCAVATION (CU YD)	TOTAL SUITABLE EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (ADJ FOR 15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
1+00 TO 10+00	0	353	432	38	470	400	220	+180
10+00 TO 20+00	0	388	617	6	623	530	48	+482
20+00 TO 30+00	0	435	734	13	747	635	91	+544
30+00 TO 41+57.13	0	503	885	11	896	762	188	+574
TOTALS	0	1,679	2,668	68	2,736	2,327	547	+1,780

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NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE	
DRAWN BY	JMC DATE
CHECKED BY	MRH DATE
APPROVED BY	DWB DATE



R/N GROUP, INC.
CONSULTING ENGINEERS

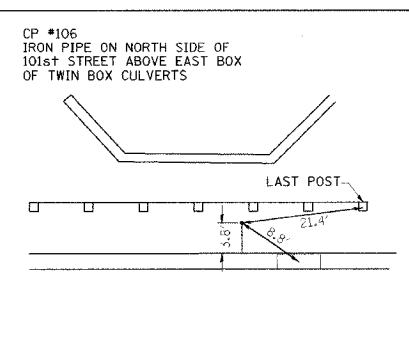
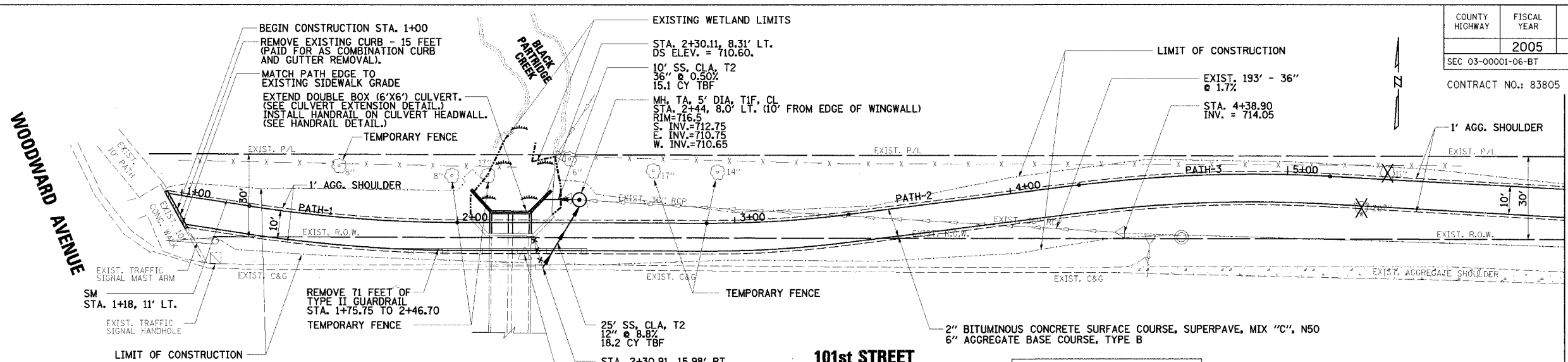
PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

TITLE
SCHEDULES

DATE: JUNE 9, 2005
PROJECT NO.: 11-1900-01
SHEET:

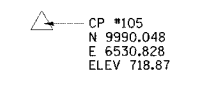
COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	5
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



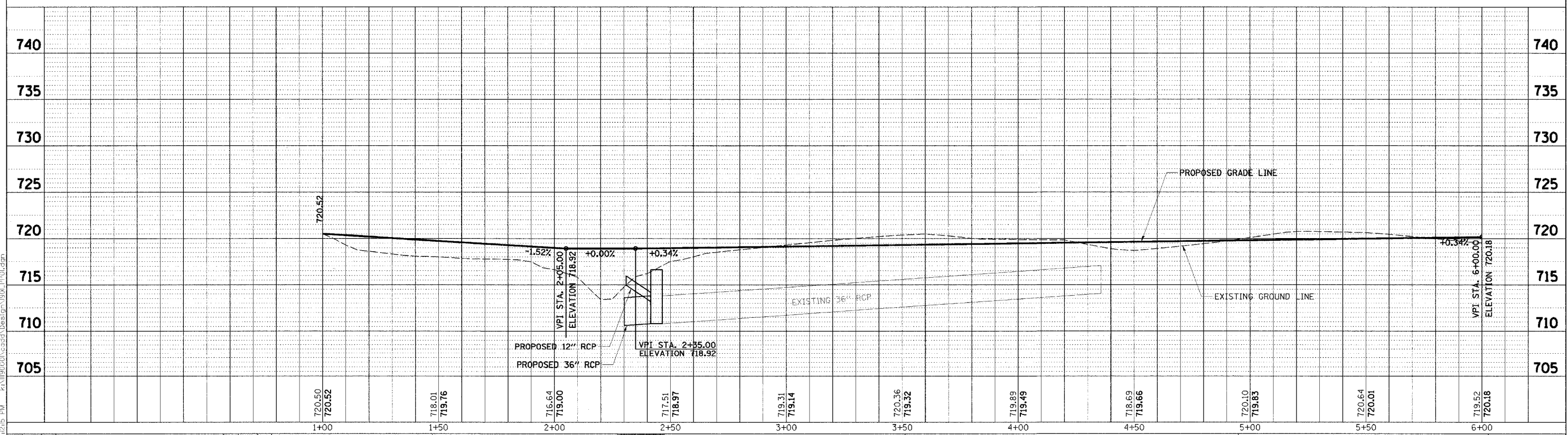
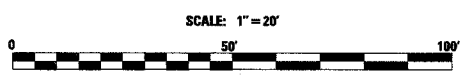
CURVE R-PATH-1	CURVE R-PATH-2	CURVE R-PATH-3
PI Sta. 1+62.47	PI Sta. 3+15.58	PI Sta. 4+70.16
PI N 10,085.89	PI N 10,085.49	PI N 10,104.87
PI E 6,262.08	PI E 6,415.33	PI E 6,568.76
Δ 8° 36' 59.70" (LT.)	Δ 7° 21' 00.33" (LT.)	Δ 10° 22' 47.15" (RT)
D 11° 21' 32.96"	D 14° 19' 26.20"	D 11° 21' 32.96"
L 75.19'	L 51.31'	L 90.58'
T 37.67'	T 25.69'	T 45.41'
R 500.00'	R 400.00'	R 500.00'
PC Sta. 1+24.81	PC Sta. 2+89.88	PC Sta. 4+24.75
PC N 10,091.64	PC N 10,085.56	PC N 10,099.18
PC E 6,224.85	PC E 6,389.63	PC E 6,523.71
PT Sta. 2+00.00	PT Sta. 3+41.20	PT Sta. 5+15.33
PT N 10,085.79	PT N 10,088.71	PT N 10,102.35
PT E 6,299.74	PT E 6,440.82	PT E 6,614.11

TREE PLANTING		
SYMBOL	COMMON NAME	QTY. THIS SHEET
SM	SUGAR MAPLE	1 EACH



CP #105
N 9990.048
E 6530.828
ELEV 718.87

LEGEND
X - REMOVE TREE
- X - EXISTING CHAIN LINK FENCE



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE: H = 20' V = 5'
DRAWN BY: JMC
CHECKED BY: MRH
APPROVED BY: DWB



RJN GROUP, INC.
CONSULTING ENGINEERS

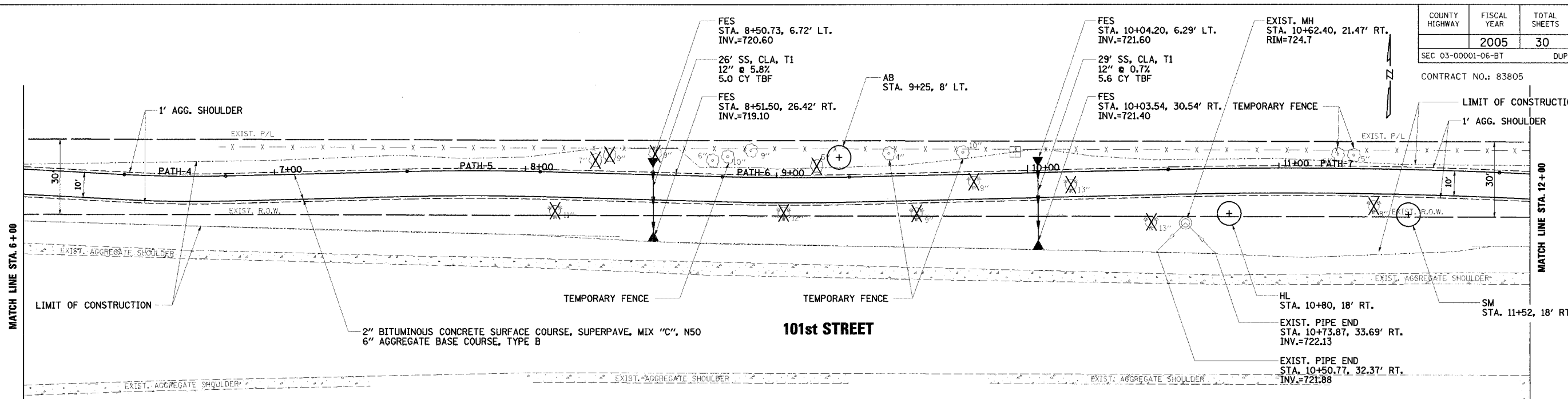
PROJECT: Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

TITLE: PLAN & PROFILE
STA. 1+00 - 6+00
DATE: JUNE 9, 2005
PROJECT NO.: II-1900-01
SHEET:

8/10/2005 12:29:45 PM I:\1190001\cadd\Design\1504_P1101.dgn

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	6
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



CURVE R.PATH-4
 PI Sta. 6+60.37
 PI N 10,094.30
 PI E 6,758.93
 Δ 4° 37' 44.55" (LT)
 D 11° 27' 32.96"
 L 40.40'
 T 20.21'
 R 500.00'
 PC Sta. 6+40.16
 PC N 10,095.42
 PC E 6,738.75
 PT Sta. 6+80.56
 PT N 10,094.81
 PT E 6,779.13

CURVE R.PATH-5
 PI Sta. 7+80.43
 PI N 10,097.33
 PI E 6,878.96
 Δ 3° 02' 19.06" (RT)
 D 5° 43' 46.48"
 L 53.03'
 T 26.52'
 R 1,000.00'
 PC Sta. 7+53.90
 PC N 10,096.66
 PC E 6,852.45
 PT Sta. 8+06.94
 PT N 10,096.60
 PT E 6,905.48

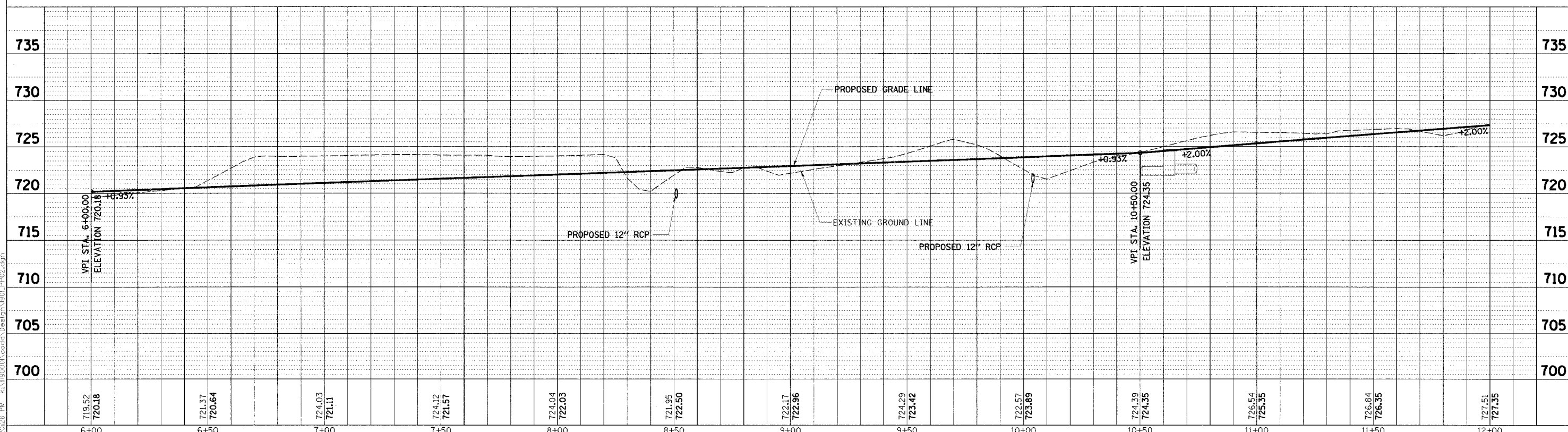
CURVE R.PATH-6
 PI Sta. 9+04.78
 PI N 10,093.88
 PI E 7,003.28
 Δ 2° 55' 30.76" (LT)
 D 5° 47' 14.83"
 L 50.54'
 T 25.28'
 R 990.00'
 PC Sta. 8+79.50
 PC N 10,094.58
 PC E 6,978.01
 PT Sta. 9+30.04
 PT N 10,094.47
 PT E 7,028.55

CURVE R.PATH-7
 PI Sta. 11+23.02
 PI N 10,098.97
 PI E 7,221.48
 Δ 3° 46' 41.11" (RT)
 D 2° 51' 53.24"
 L 131.88'
 T 65.96'
 R 2,000.00'
 PC Sta. 10+57.06
 PC N 10,097.43
 PC E 7,155.53
 PT Sta. 11+88.94
 PT N 10,096.15
 PT E 7,287.38

TREE PLANTING

SYMBOL	COMMON NAME	QTY. THIS SHEET
HL	HONEYLOCUST	1 EACH
SM	SUGAR MAPLE	1 EACH
AB	AMERICAN BASSWOOD	1 EACH

LEGEND
 X - REMOVE TREE
 - - - - - EXISTING CHAIN LINK FENCE



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE: H = 20' V = 5'
 DRAWN BY: JMC
 CHECKED BY: MRH
 APPROVED BY: DWB



R/N GROUP, INC.
 CONSULTING ENGINEERS

PROJECT: **Southern DuPage County Regional Trail
 101st Street Connector - Waterfall Glen Spur**

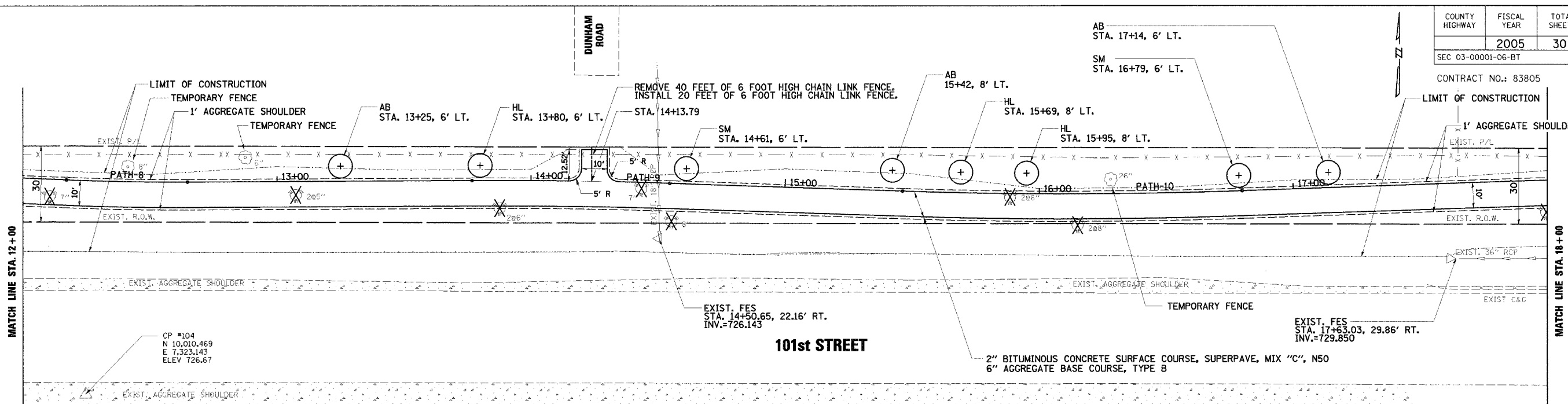
TITLE: **PLAN & PROFILE
 STA. 6+00 - 12+00**

DATE: JUNE 9, 2005
 PROJECT NO.: II-1900-01
 SHEET:

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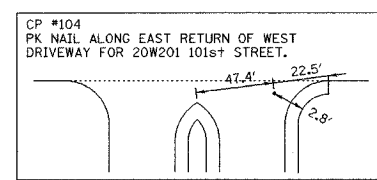
COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	7
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



MATCH LINE STA. 12+00

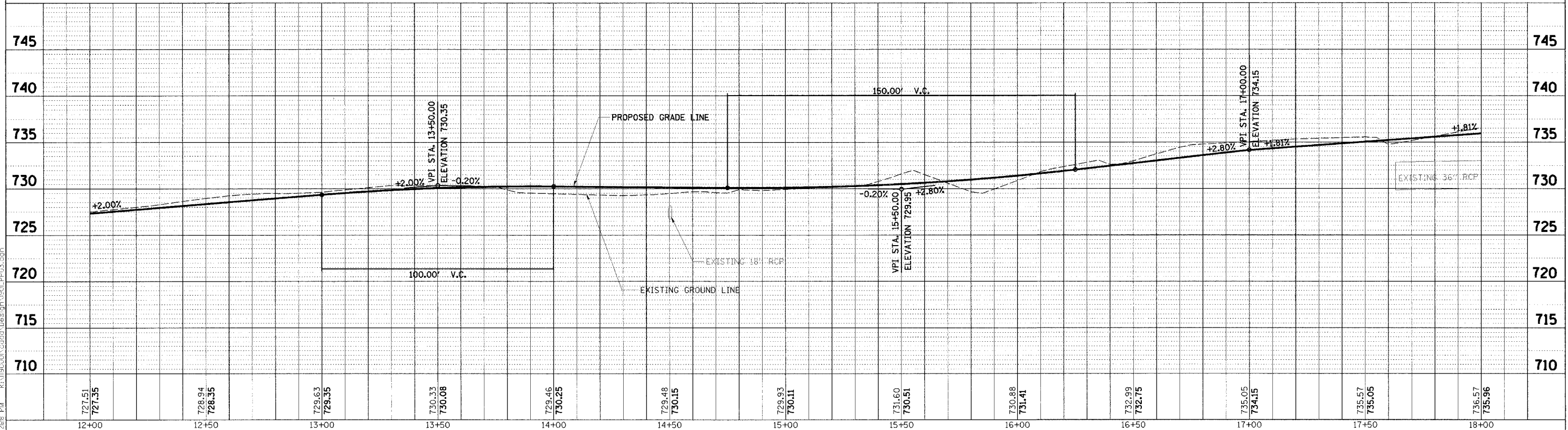
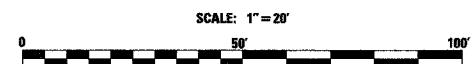
MATCH LINE STA. 18+00



CURVE R.PATH-8	CURVE R.PATH-9	CURVE R.PATH-10
PI Sta. 12+42.03	PI Sta. 14+16.74	PI Sta. 16+13.59
PT N 10,093.89	PT N 10,094.85	PT N 10,088.27
PT E 7,340.45	PT E 7,515.15	PT E 7,711.89
Δ 2° 45' 32.86" (LT)	Δ 2° 15' 52.62" (RT)	Δ 3° 52' 39.94" (LT)
D 5° 47' 14.83"	D 2° 51' 53.24"	D 2° 52' 45.07" (LT)
L 47.67'	L 77.89'	L 134.68'
T 23.84'	T 38.95'	T 67.37'
R 990.00'	R 2,000.00'	R 1,990.00'
PC Sta. 12+18.19	PC Sta. 13+77.80	PC Sta. 15+46.22
PC N 10,094.91	PC N 10,094.64	PC N 10,090.52
PC E 7,316.61	PC E 7,476.20	PC E 7,644.56
PT Sta. 12+65.87	PT Sta. 14+55.68	PT Sta. 16+80.30
PT N 10,094.02	PT N 10,095.55	PT N 10,090.58
PT E 7,364.27	PT E 7,554.07	PT E 7,779.22

TREE PLANTING		
SYMBOL	COMMON NAME	QTY. THIS SHEET
SM	SUGAR MAPLE	2 EACH
HL	HONEYLOCUST	3 EACH
AB	AMERICAN BASSWOOD	3 EACH

LEGEND
 X - REMOVE TREE
 - x - - - EXISTING CHAIN LINK FENCE



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE: 1" = 20' H
 1" = 5' V
 DRAWN BY: JMC
 CHECKED BY: MRH
 APPROVED BY: DNB

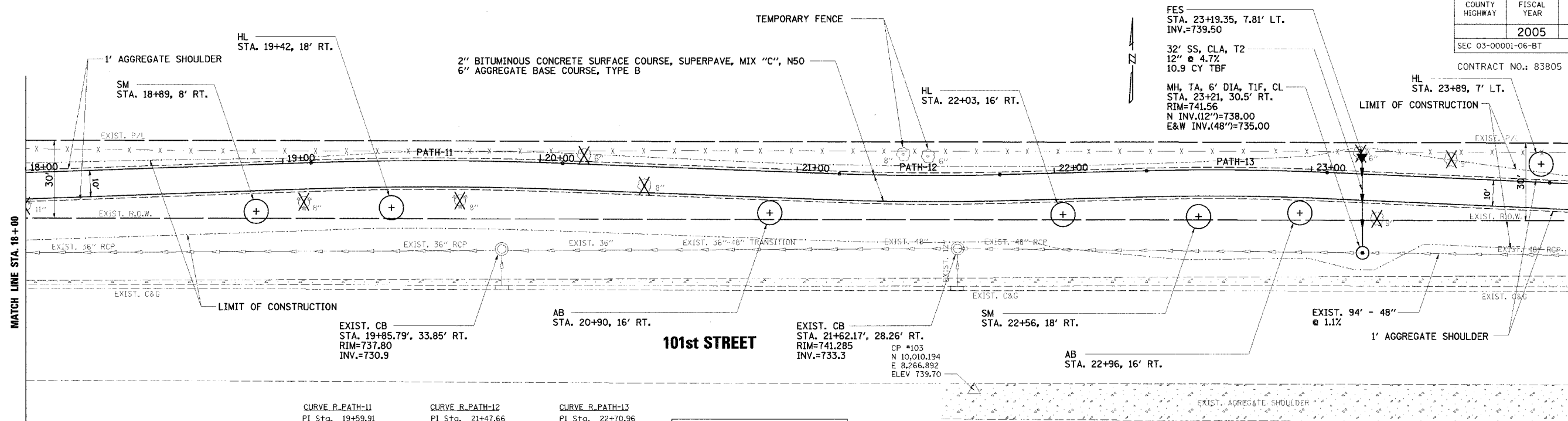
RJN GROUP, INC.
 CONSULTING ENGINEERS

PROJECT: **Southern DuPage County Regional Trail
 101st Street Connector - Waterfall Glen Spur**

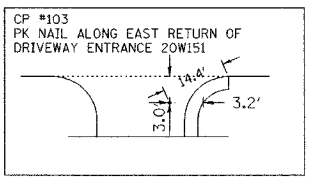
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 STA. 12+00 - 18+00**
 DATE: JUNE 9, 2005
 PROJECT No.: II-1900-01
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COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	8
CONTRACT NO.: 83805		DUPAGE COUNTY	

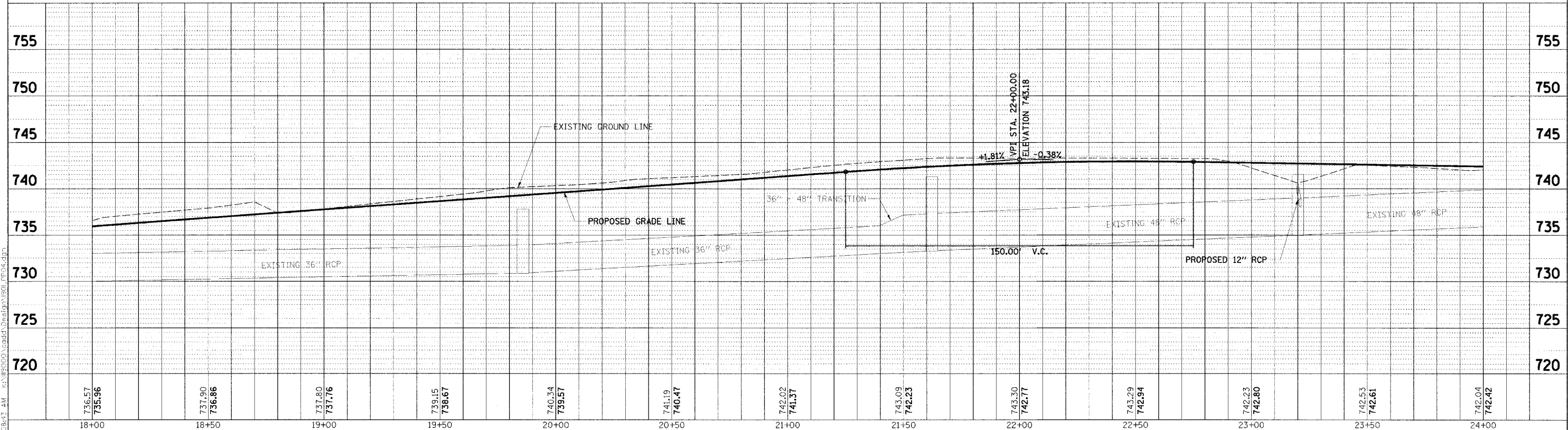
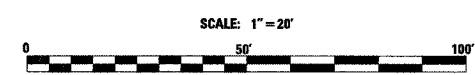


CURVE R-PATH-11	CURVE R-PATH-12	CURVE R-PATH-13
PI Sta. 19+59.91	PI Sta. 21+47.66	PI Sta. 22+70.96
PI N 10,100.13	PI N 10,093.05	PI N 10,096.17
PI E 8,058.06	PI E 8,245.72	PI E 8,369.00
Δ 4° 07' 19.16" (RT)	Δ 3° 36' 36.55" (LT)	Δ 4° 01' 24.81" (RT)
D 4° 12' 46.53" (RT)	D 5° 47' 14.83" (LT)	D 5° 43' 46.48" (RT)
L 97.84'	L 62.38'	L 70.22'
T 48.94'	T 31.20'	T 35.13'
R 1,360.00'	R 990.00'	R 1,000.00'
PC Sta. 19+10.97	PC Sta. 21+16.46	PC Sta. 22+35.83
PC N 10,098.45	PC N 10,094.23	PC N 10,095.28
PC E 8,009.15	PC E 8,214.54	PC E 8,333.88
PT Sta. 20+08.81	PT Sta. 21+78.84	PT Sta. 23+06.05
PT N 10,098.28	PT N 10,093.84	PT N 10,094.60
PT E 8,106.97	PT E 8,276.91	PT E 8,404.09



TREE PLANTING		
SYMBOL	COMMON NAME	QTY. THIS SHEET
SM	SUGAR MAPLE	2 EACH
HL	HONEYLOCUST	3 EACH
AB	AMERICAN BASSWOOD	2 EACH

LEGEND	
	REMOVE TREE
	EXISTING CHAIN LINK FENCE



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE: 1" = 20' H
1" = 5' V

DRAWN BY: JMC DATE:

CHECKED BY: MRH DATE:

APPROVED BY: DWB DATE:

RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT: Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

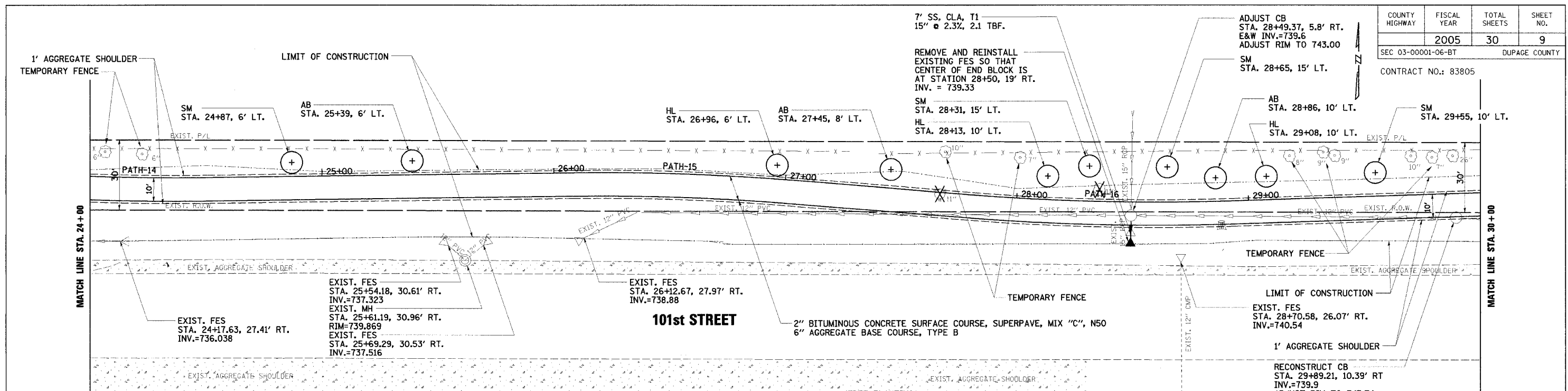
TITLE: **PLAN & PROFILE**
STA. 18 + 00 - 24 + 00

DATE: JUNE 9, 2005
PROJECT NO.: 03-1900-01
SHEET:

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COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	9
SEC 03-00001-06-BT		DUPAGE COUNTY	

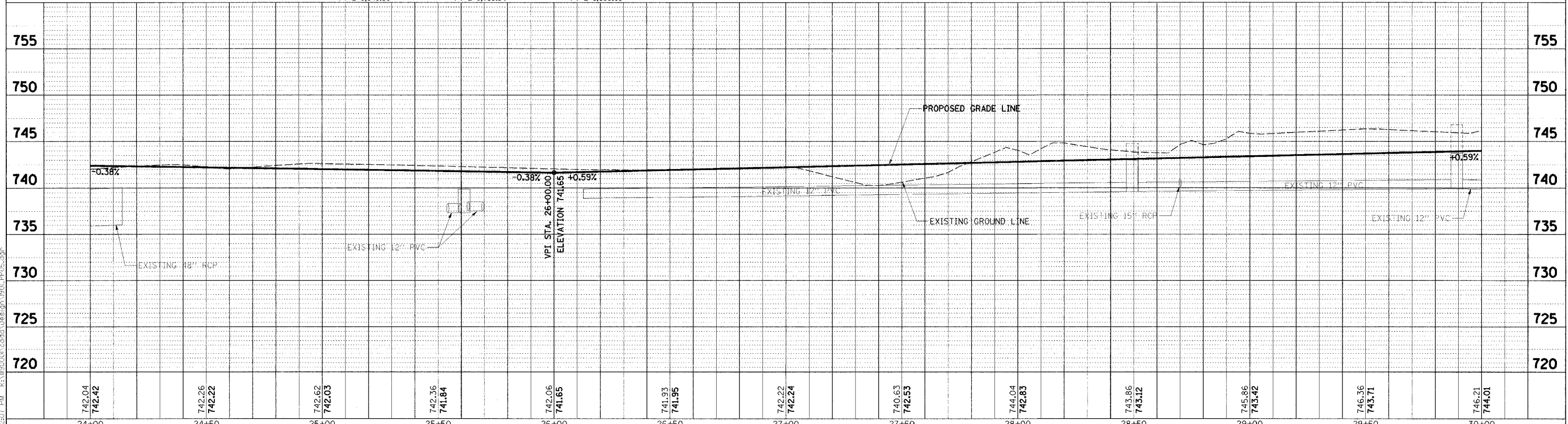
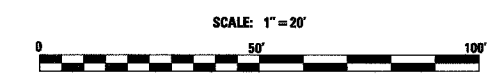
CONTRACT NO.: 83805



CURVE R-PATH-14	CURVE R-PATH-15	CURVE R-PATH-16
PI Sta. 24+21.58	PI Sta. 26+54.83	PI Sta. 28+37.19
PI N 10,089.41	PI N 10,092.53	PI N 10,077.94
PI E 8,519.50	PI E 8,752.74	PI E 8,934.59
Δ 3° 20' 24.82" (LT)	Δ 5° 21' 10.32" (RT)	Δ 6° 29' 07.40" (LT)
D 5' 47" 14.83"	D 5' 43" 46.48"	D 5' 47" 14.83"
L 57.71'	L 93.43'	L 112.06'
T 28.87'	T 46.75'	T 56.09'
R 990.00'	R 1,000.00'	R 990.00'
PC Sta. 23+92.71	PC Sta. 26+08.08	PC Sta. 27+81.10
PC N 10,090.71	PC N 10,091.91	PC N 10,082.43
PC E 8,490.66	PC E 8,706.00	PC E 8,878.68
PT Sta. 24+50.43	PT Sta. 27+01.51	PT Sta. 28+93.16
PT N 10,089.80	PT N 10,088.79	PT N 10,079.80
PT E 8,548.36	PT E 8,799.34	PT E 8,990.65

TREE PLANTING		
SYMBOL	COMMON NAME	QTY. THIS SHEET
SM	SUGAR MAPLE	4 EACH
HL	HONEYLOCUST	3 EACH
AB	AMERICAN BASSWOOD	3 EACH

LEGEND
 X - REMOVE TREE
 - X - X - - EXISTING CHAIN LINK FENCE



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION



R/N GROUP, INC.
CONSULTING ENGINEERS

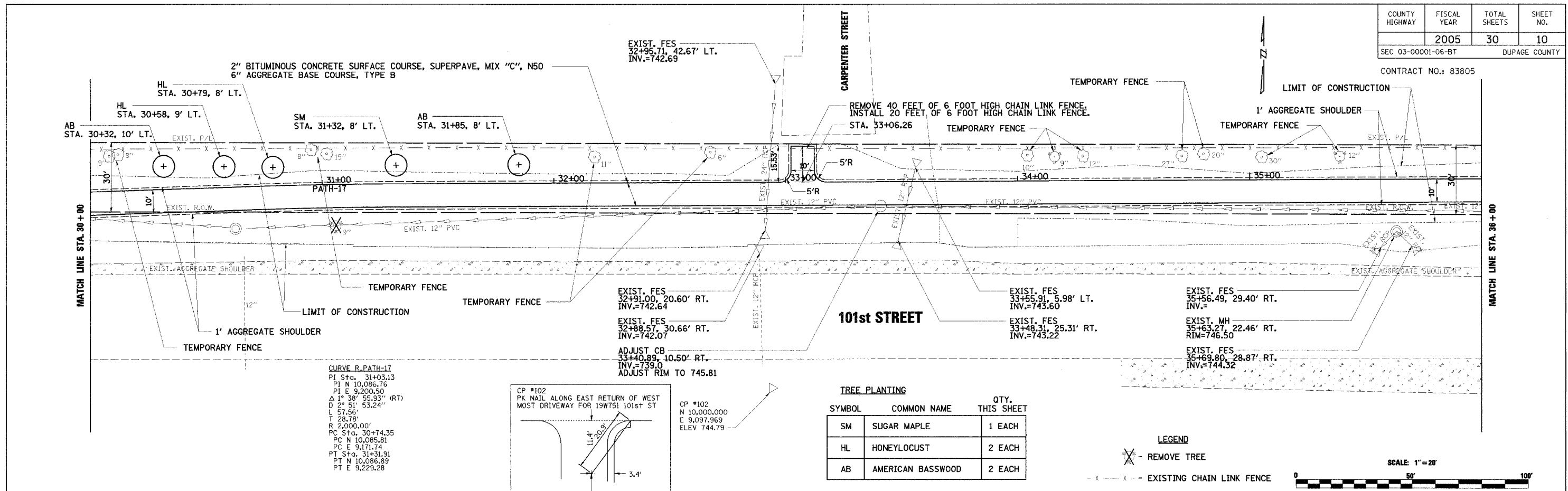
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

PLAN & PROFILE
STA. 24 + 00 - 30 + 00

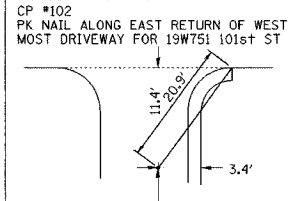
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PROJECT No: II-1900-01
SHEET:

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COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	10
CONTRACT NO.: 83805		DUPAGE COUNTY	



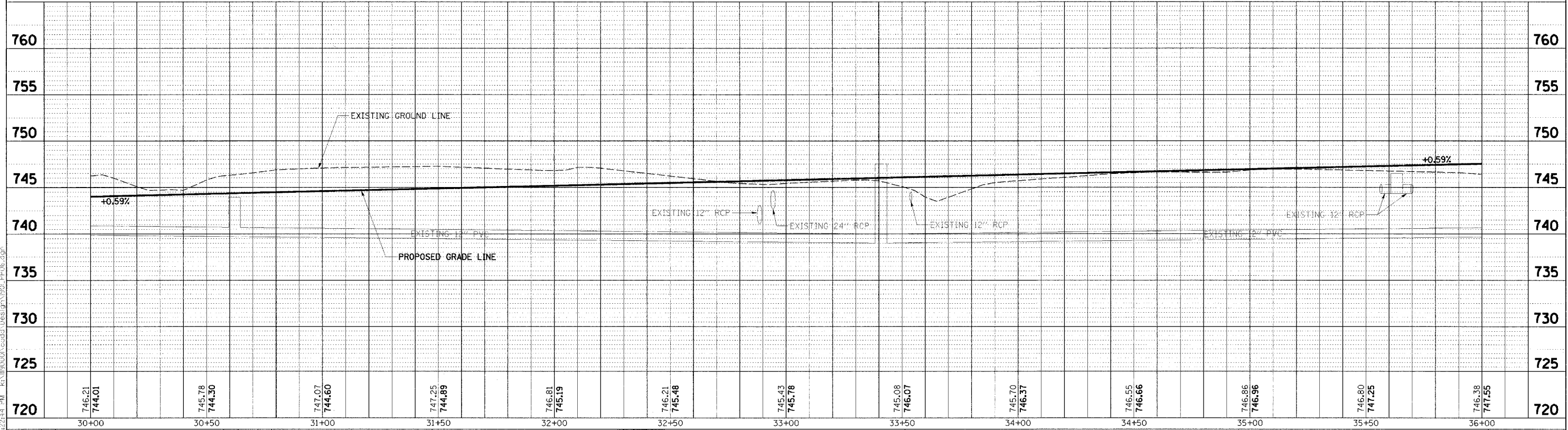
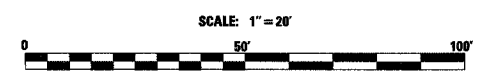
CURVE R-PATH-17
 PT Sta. 31+03.13
 PI N 10,086.76
 PI E 9,200.50
 Δ 1° 38' 55.93" (RT)
 D 2° 51' 53.24"
 L 57.56'
 T 28.78'
 R 2,000.00'
 PC Sta. 30+74.35
 PC N 10,085.81
 PC E 9,171.74
 PT Sta. 31+31.91
 PT N 10,086.89
 PT E 9,229.28



TREE PLANTING

SYMBOL	COMMON NAME	QTY. THIS SHEET
SM	SUGAR MAPLE	1 EACH
HL	HONEYLOCUST	2 EACH
AB	AMERICAN BASSWOOD	2 EACH

LEGEND
 X - REMOVE TREE
 - x - - - - EXISTING CHAIN LINK FENCE



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE H = 20' V = 5'
 DRAWN BY JMC DATE
 CHECKED BY MRH DATE
 APPROVED BY DWB DATE



RJN GROUP, INC.
 CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

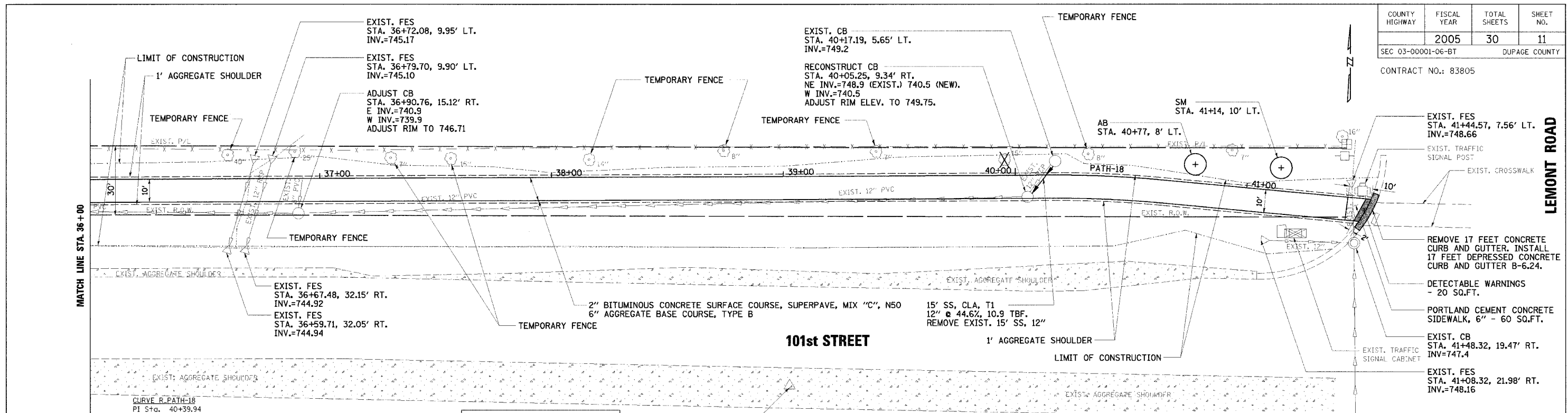
TITLE
PLAN & PROFILE
STA. 30 + 00 - 36 + 00

DATE: JUNE 9, 2005
 PROJECT NO.: II-1900-01
 SHEET:

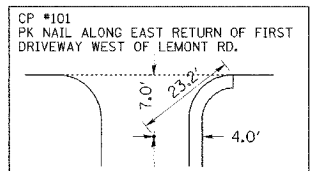
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COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	11
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



CURVE R-PATH-18
 PI Sta. 40+39.94
 PI N 10,090.86
 PI E 10,137.30
 Δ 5° 37' 03.83" (RT)
 D 11° 27' 32.96"
 L 49.04'
 T 24.54'
 R 500.00'
 PC Sta. 40+15.40
 PC N 10,090.75
 PC E 10,112.76
 PT Sta. 40+64.44
 PT N 10,088.56
 PT E 10,161.73



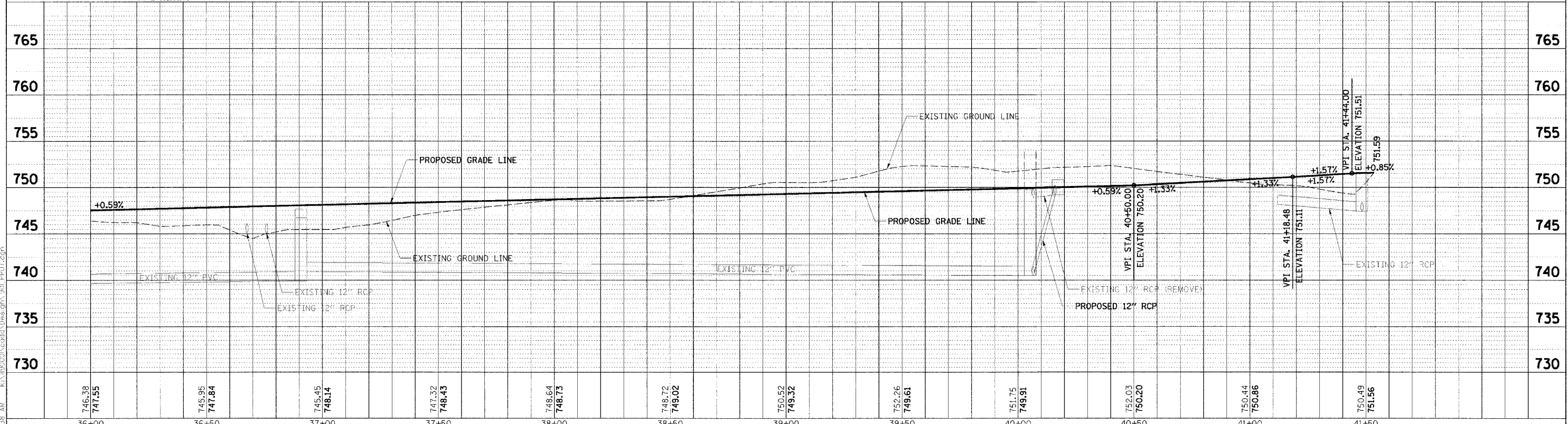
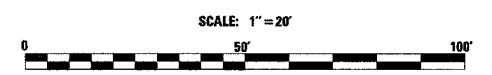
CP #101
 N 10,000.000
 E 10,000.000
 ELEV 750.76

TREE PLANTING

SYMBOL	COMMON NAME	QTY. THIS SHEET
SM	SUGAR MAPLE	1 EACH
AB	AMERICAN BASSWOOD	1 EACH

LEGEND

X - REMOVE TREE
 - x - - - EXISTING CHAIN LINK FENCE



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE: 1" = 20' H, 1" = 5' V

DRAWN BY: JMC DATE: _____
 CHECKED BY: MRH DATE: _____
 APPROVED BY: DWB DATE: _____

RJN GROUP, INC.
 CONSULTING ENGINEERS

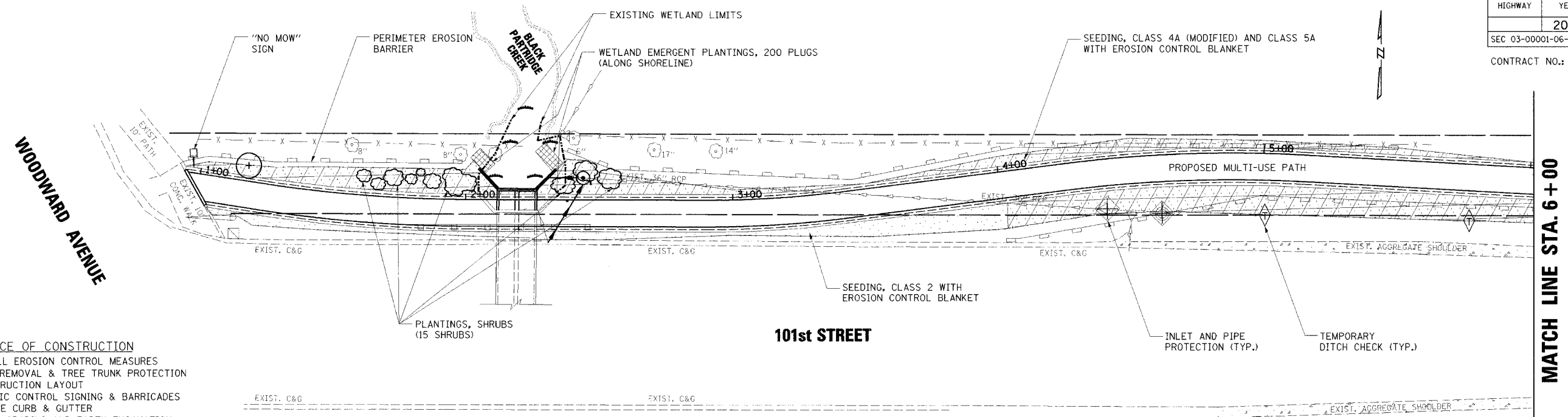
PROJECT: Southern DuPage County Regional Trail
 101st Street Connector - Waterfall Glen Spur

TITLE: PLAN & PROFILE
 36+00 - 41+57.13

DATE: JUNE 9, 2005
 PROJECT NO.: II-1900-01
 SHEET: _____

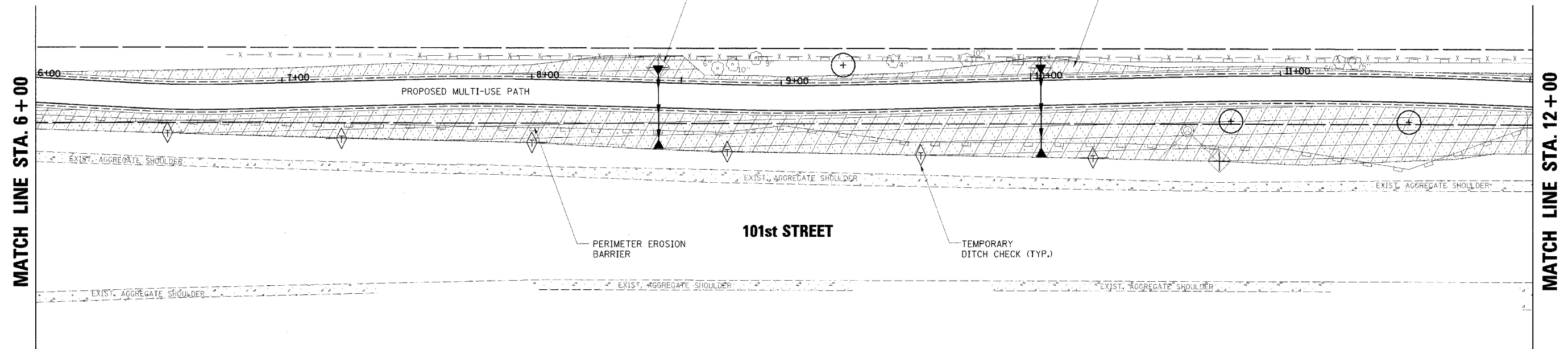
COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	12
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



- SEQUENCE OF CONSTRUCTION**
1. INSTALL EROSION CONTROL MEASURES
 2. TREE REMOVAL & TREE TRUNK PROTECTION
 3. CONSTRUCTION LAYOUT
 4. TRAFFIC CONTROL SIGNING & BARRICADES
 5. REMOVE CURB & GUTTER
 6. ROUGH GRADING AND EARTH EXCAVATION
 7. INSTALL TRAIL & REPLACE CURB & GUTTER
 8. BACKFILL TRAIL
 9. TOPSOIL, EROSION CONTROL BLANKET & SEED

- PLANTINGS, SHRUBS**
- RED-OSIER DOGWOOD (6 EACH)
 - AMERICAN ELDER (6 EACH)
 - NANNYBERRY (3 EACH)
- LEGEND**
- SEEDING, IDOT CLASS 2
 - SEEDING, IDOT CLASS 4A (MODIFIED) AND CLASS 5A
 - WETLAND EMERGENT PLANTINGS
 - PLANTINGS, SHRUBS



NOTE: TREES NEAR THE PROPOSED MULT-USE PATH SHALL BE PRUNED FOR SAFETY AND EQUIPMENT CLEARANCE AS SHOWN ON SHEET NO. 30

8/10/2005 12:23:30 PM K:\1980001\cadd\des\gn\1901_ERD.dgn

NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE 1" = 20'

DRAWN BY JMC DATE

CHECKED BY MRH DATE

APPROVED BY DWB DATE

RJN GROUP, INC.
CONSULTING ENGINEERS

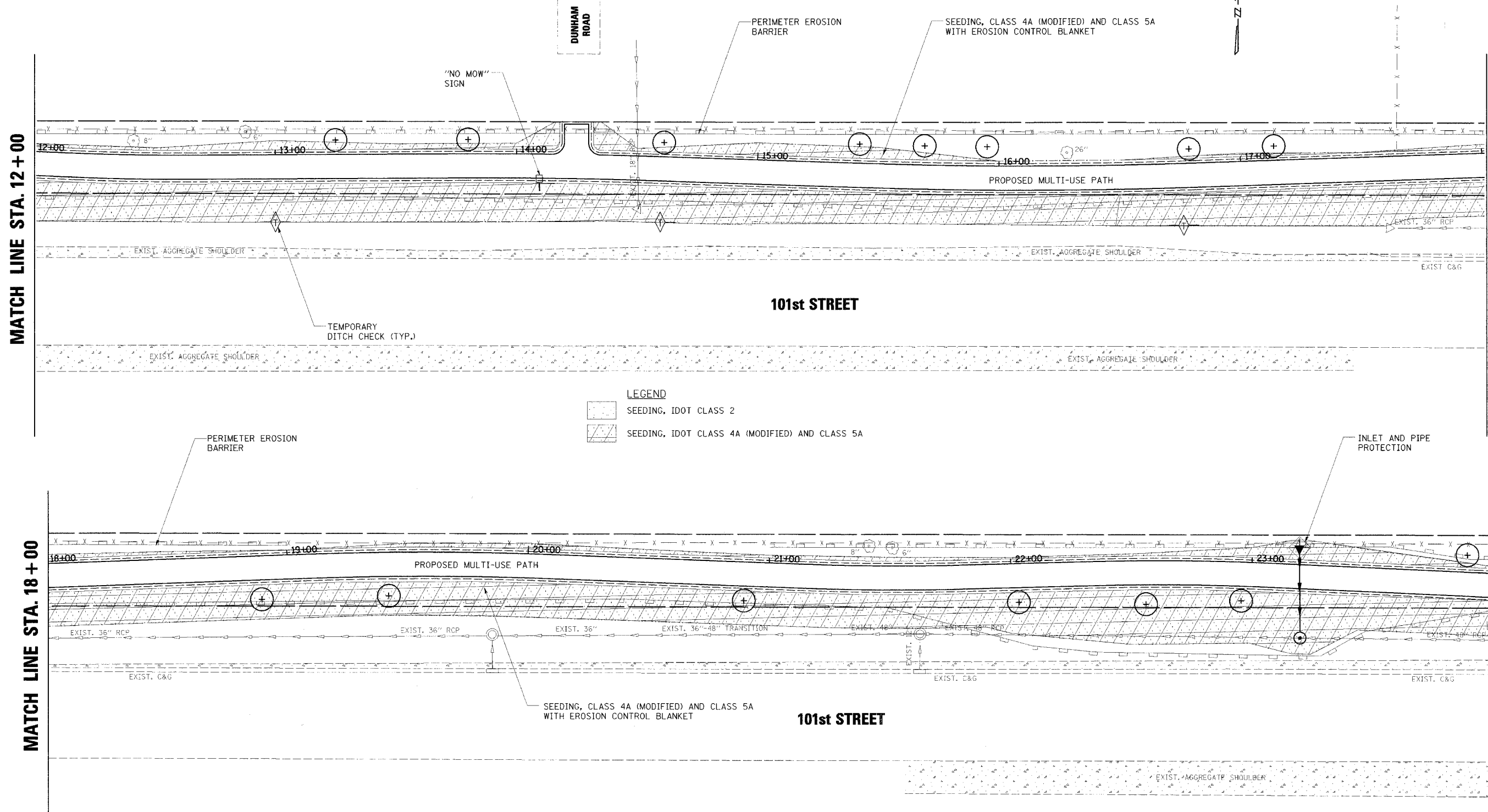
PROJECT
**Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur**

TITLE
**LANDSCAPING AND
EROSION CONTROL PLAN**

DATE: JUNE 9, 2005
PROJECT No: II-1900-01
SHEET:

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	13
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



LEGEND
 SEEDING, IDOT CLASS 2
 SEEDING, IDOT CLASS 4A (MODIFIED) AND CLASS 5A

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NO.	DATE	BY	REVISION

SCALE	1" = 20'
DRAWN BY	JMC
CHECKED BY	MRH
APPROVED BY	DWB



R/N GROUP, INC.
CONSULTING ENGINEERS

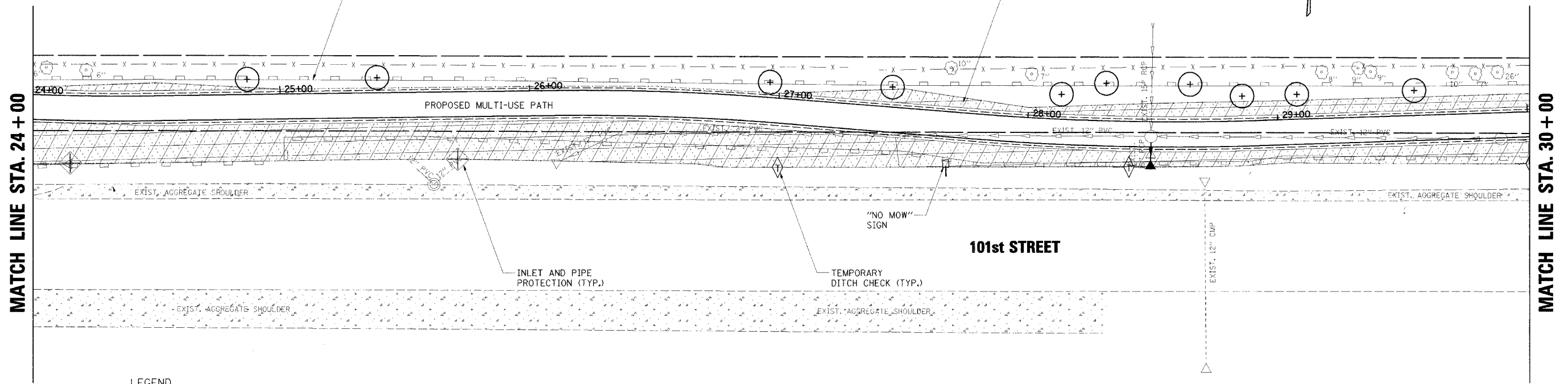
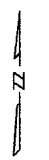
PROJECT
**Southern DuPage County Regional Trail
101st Street Connector – Waterfall Glen Spur**

TITLE
**LANDSCAPING AND
EROSION CONTROL PLAN**

DATE:	JUNE 9, 2005
PROJECT NO.:	II-1900-01
SHEET:	

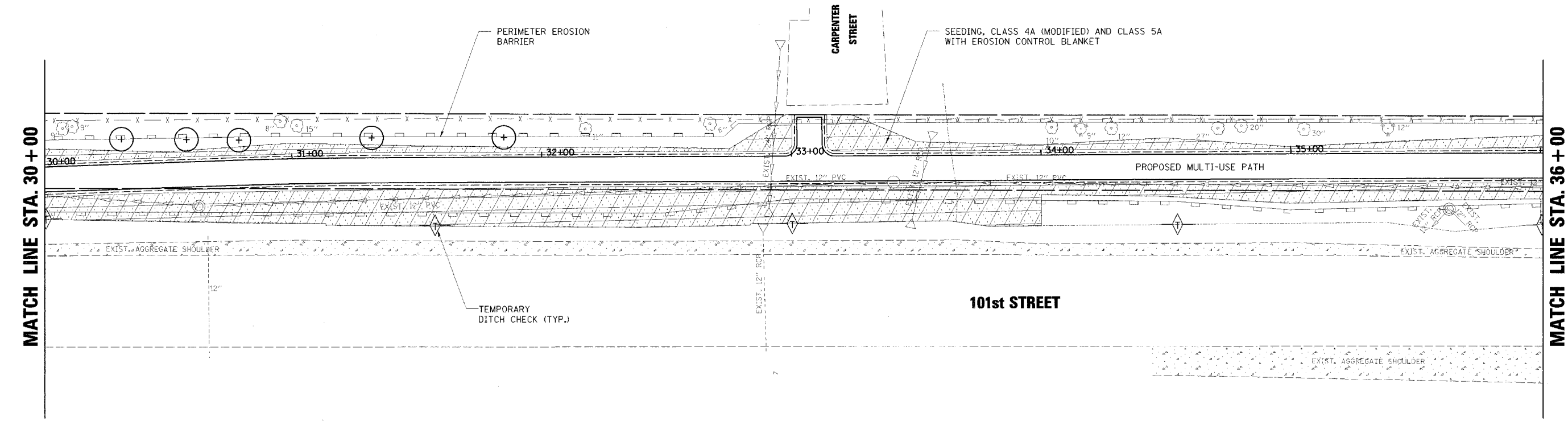
COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	14
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



LEGEND

	SEEDING, IDOT CLASS 2
	SEEDING, IDOT CLASS 4A (MODIFIED) AND CLASS 5A



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NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE 1" = 20'

DRAWN BY	JMC	DATE	
CHECKED BY	MRH	DATE	
APPROVED BY	DWB	DATE	



R/N GROUP, INC.
CONSULTING ENGINEERS

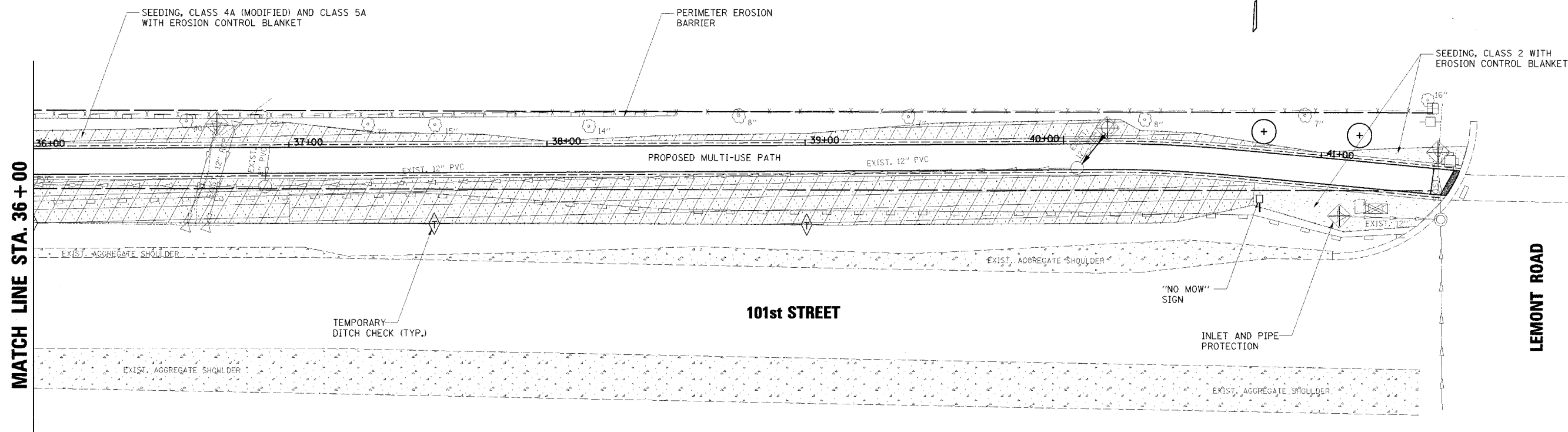
PROJECT
**Southern DuPage County Regional Trail
101st Street Connector – Waterfall Glen Spur**

TITLE
**LANDSCAPING AND
EROSION CONTROL PLAN**

DATE:	JUNE 9, 2005
PROJECT No.:	II-1900-01
SHEET:	

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	15
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



EROSION CONTROL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 15-116 OF THE DU PAGE COUNTY COUNTYWIDE STORM WATER AND FLOOD PLAIN ORDINANCE, EFFECTIVE SEPTEMBER 24, 1991 AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR40.
- EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
- ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODABLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. ERODABLE AREAS OUTSIDE AND DOWN SLOPE FROM THE CONSTRUCTION LIMITS SHALL BE SIMILARLY SEEDED.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN WETLANDS.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
- WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
- GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
- CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
- ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
- THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 72 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
- THE COST OF REPAIRING OR REMOVING SEDIMENT FROM EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
- ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
- ALL DISTURBED AREAS SHALL BE DRESSED WITH 6" OF TOPSOIL, SEEDED AND COVERED WITH AN EROSION CONTROL BLANKET STAPLED DOWN PER THE MANUFACTURER'S RECOMMENDATION.
- OMIT FERTILIZER FOR CLASS 4A (MODIFIED) AND CLASS 5A SEEDING.

LEGEND

	SEEDING, IDOT CLASS 2
	SEEDING, IDOT CLASS 4A (MODIFIED) AND CLASS 5A

8/10/2005 12:24:38 PM k:\1180001\cadd\Des\gn\101-ER04.dgn

NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE	1" = 20'
DRAWN BY	JMC DATE
CHECKED BY	MRH DATE
APPROVED BY	DWB DATE



RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT
**Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur**

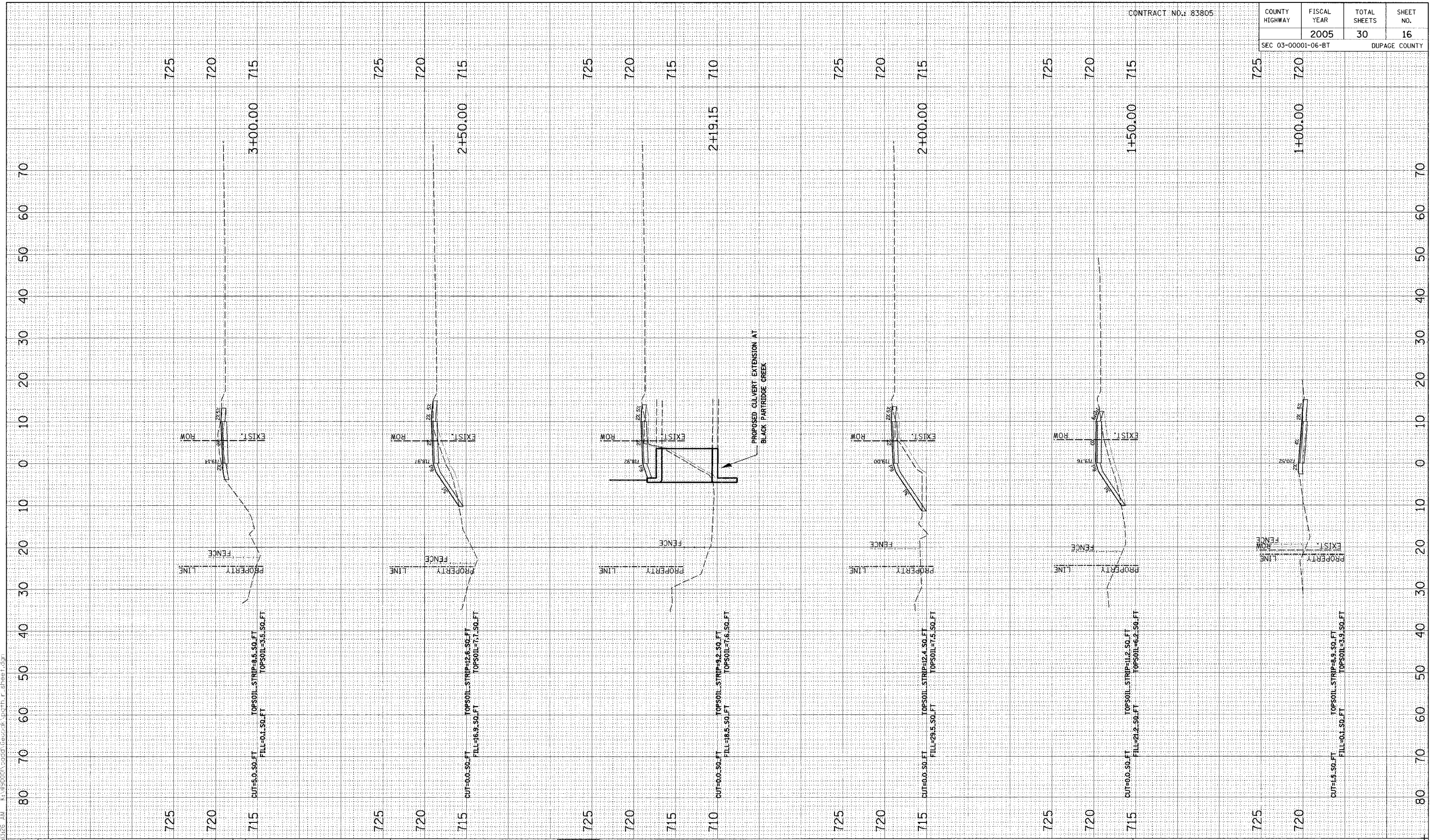
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**LANDSCAPING AND
EROSION CONTROL PLAN**

DATE:	JUNE 9, 2005
PROJECT NO.:	11-1900-01
SHEET:	

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	16
DUPAGE COUNTY			



NO.	DATE	BY	REVISION

SCALE	H	V
1" = 10'	1" = 5'	
DRAWN BY	BH	DATE 04/04/05
CHECKED BY	JC	DATE
APPROVED BY	DWB	DATE



RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

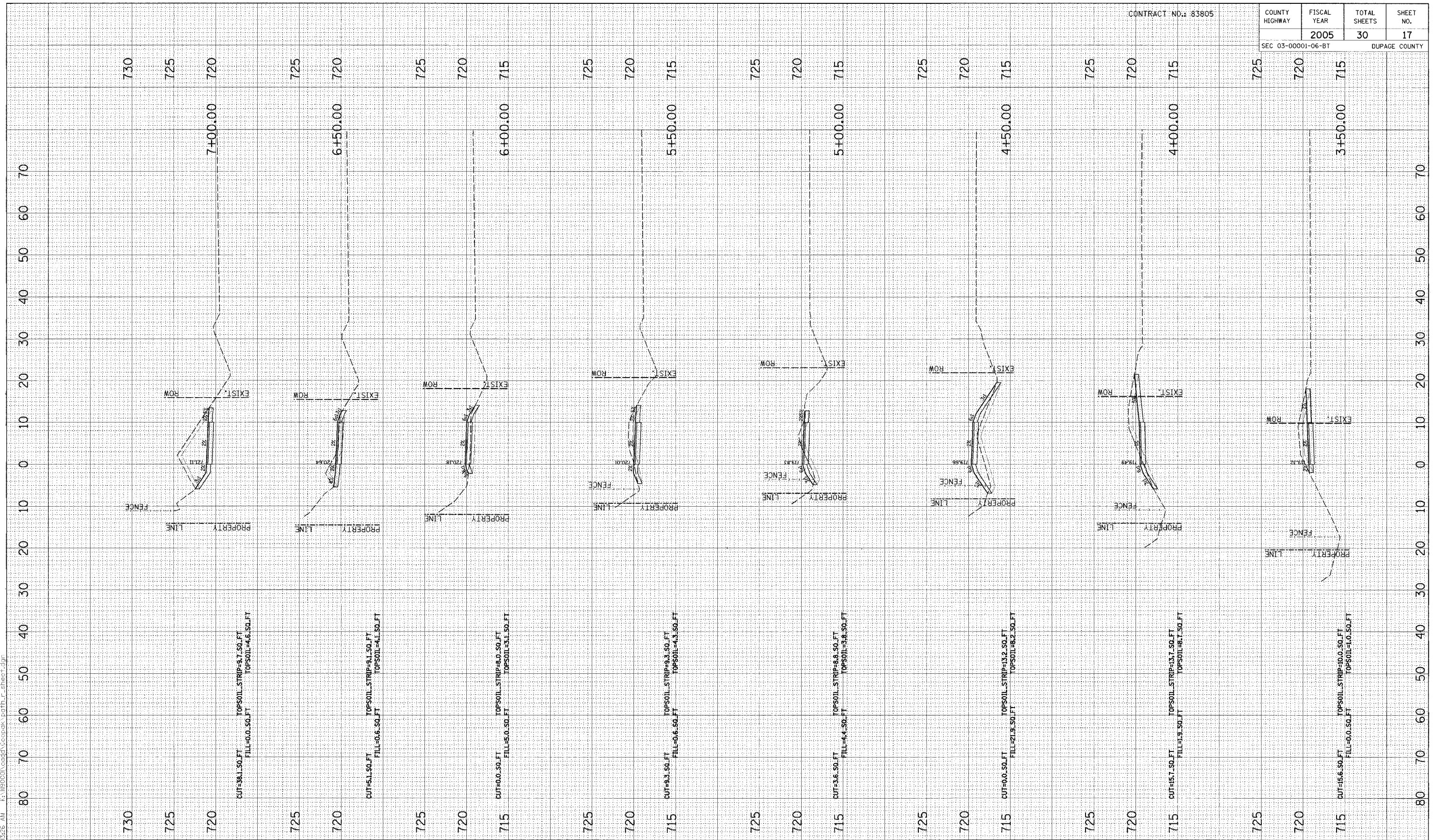
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DATE	JUNE 9, 2005
PROJECT NO.	11-1900-01
SHEET	

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	17
		DUPAGE COUNTY	



NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION

SCALE 1" = 10' H 1" = 5' V

DRAWN BY BH DATE 04/04/05
 CHECKED BY JC DATE
 APPROVED BY DWB DATE

RN GROUP

RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

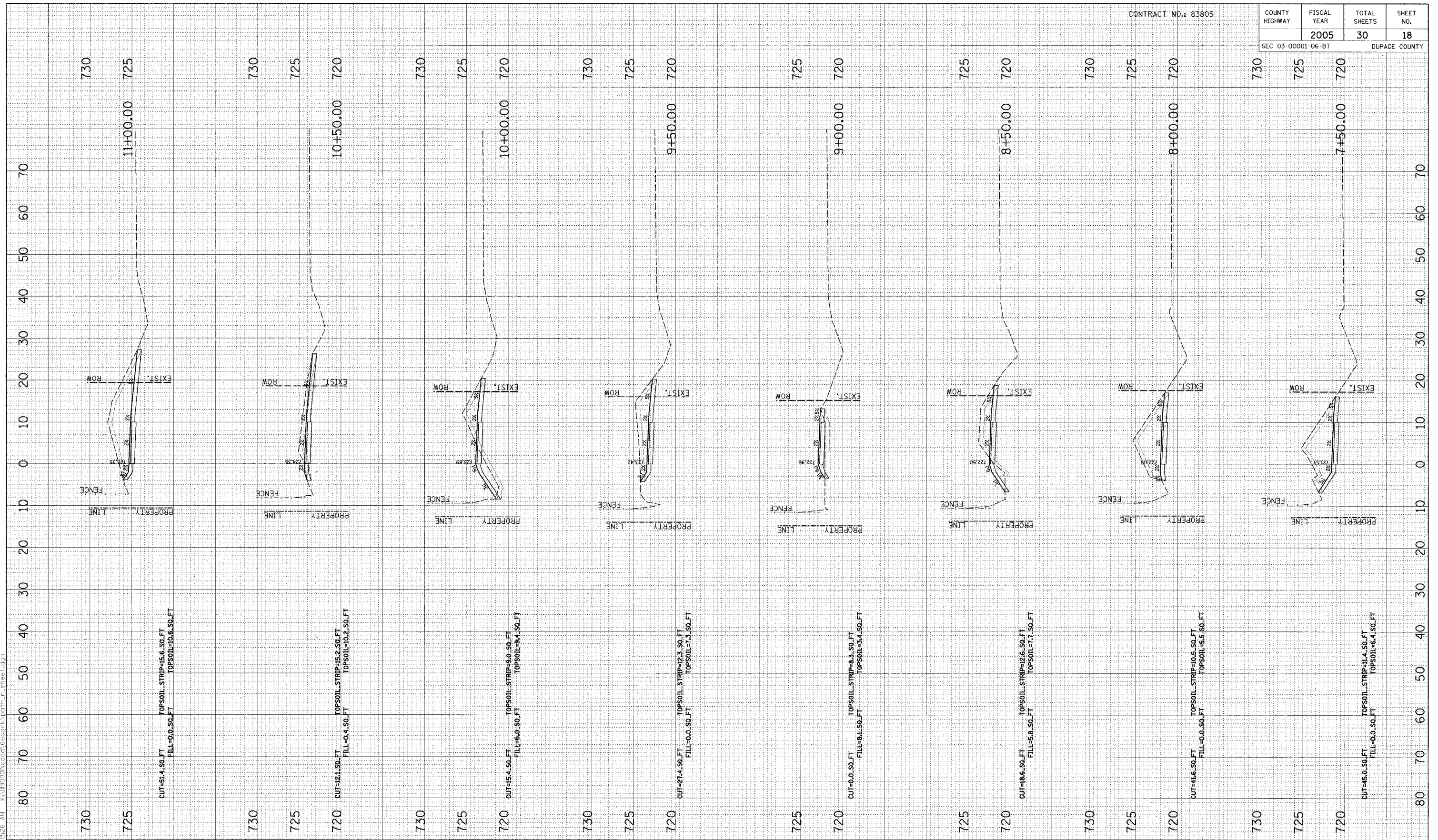
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PROPOSED CROSS SECTIONS

DATE JUNE 9, 2005
 PROJECT No. 11-1900-01
 SHEET

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	18
		DUPAGE COUNTY	



NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION

SCALE
 1" = 10' H
 1" = 5' V

RN GROUP
RJN GROUP, INC.
CONSULTING ENGINEERS
 DRAWN BY BH DATE 04/04/05
 CHECKED BY JC DATE
 APPROVED BY DWB DATE

PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

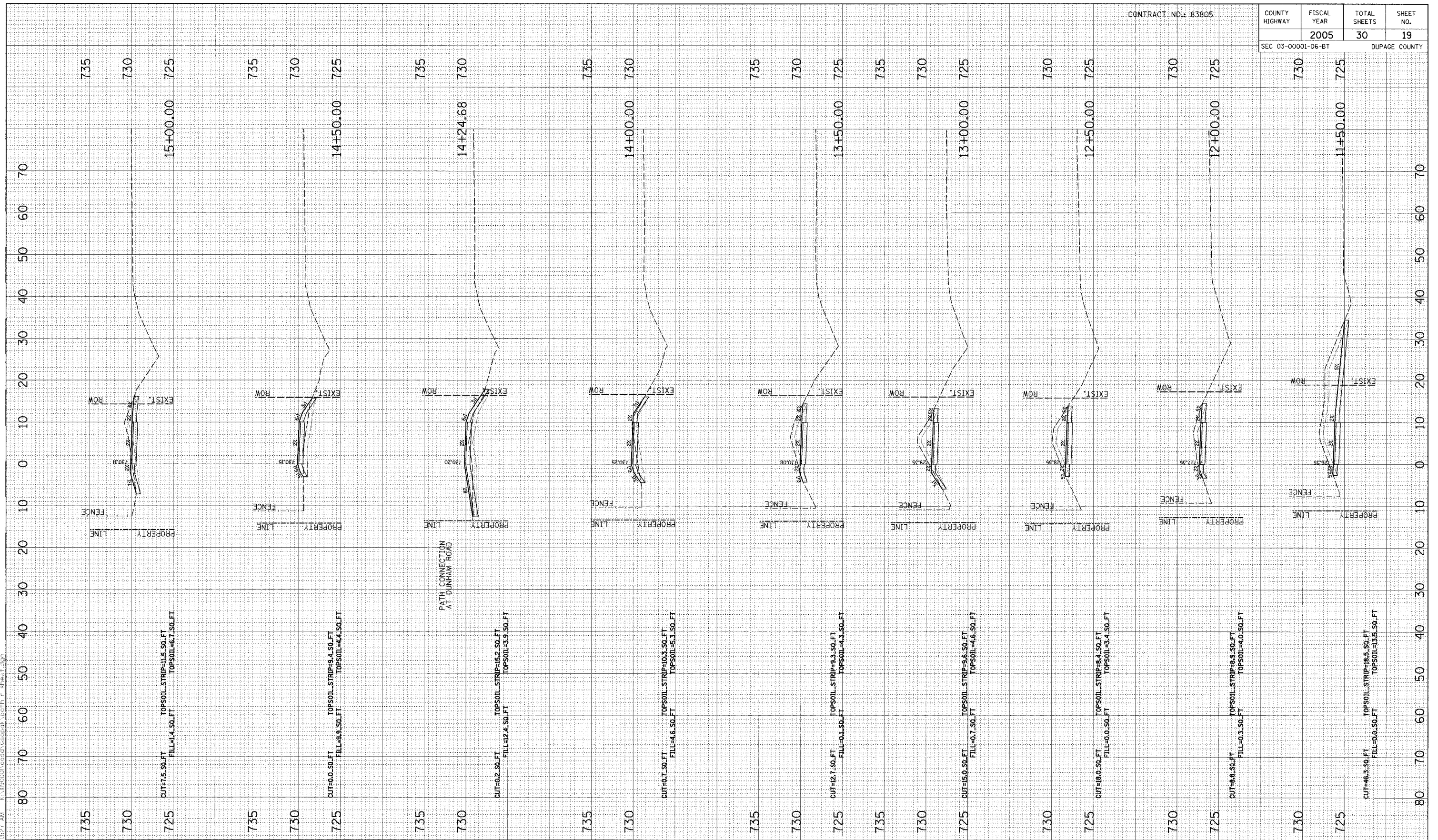
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PROPOSED CROSS SECTIONS

DATE JUNE 9, 2005
 PROJECT No. 11-1900-01
 SHEET

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-0001-06-BT	2005	30	19
		DUPAGE COUNTY	



NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION



SCALE 1" = 10' H 1" = 5' V
 DRAWN BY BH DATE 04/04/05
 CHECKED BY JC DATE
 APPROVED BY DWB DATE

R/N GROUP, INC.
 CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

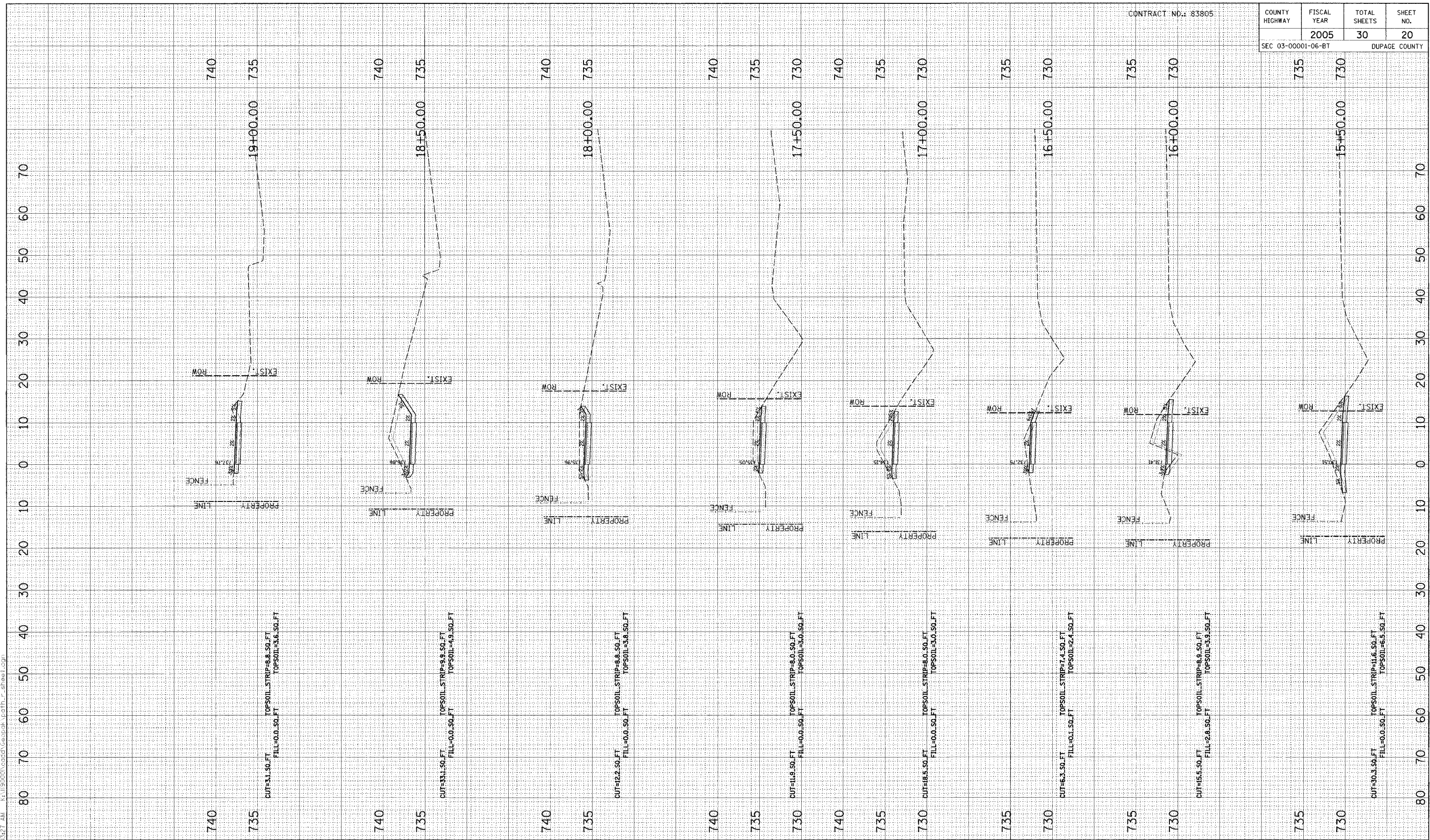
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PROPOSED CROSS SECTIONS

DATE JUNE 9, 2005
 PROJECT NO. 11-1900-01
 SHEET

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	20
		DUPAGE COUNTY	



NO.	DATE	BY	REVISION

SCALE	1" = 10' H	1" = 5' V
DRAWN BY	BH	DATE 04/04/05
CHECKED BY	JC	DATE
APPROVED BY	DWB	DATE



RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector – Waterfall Glen Spur

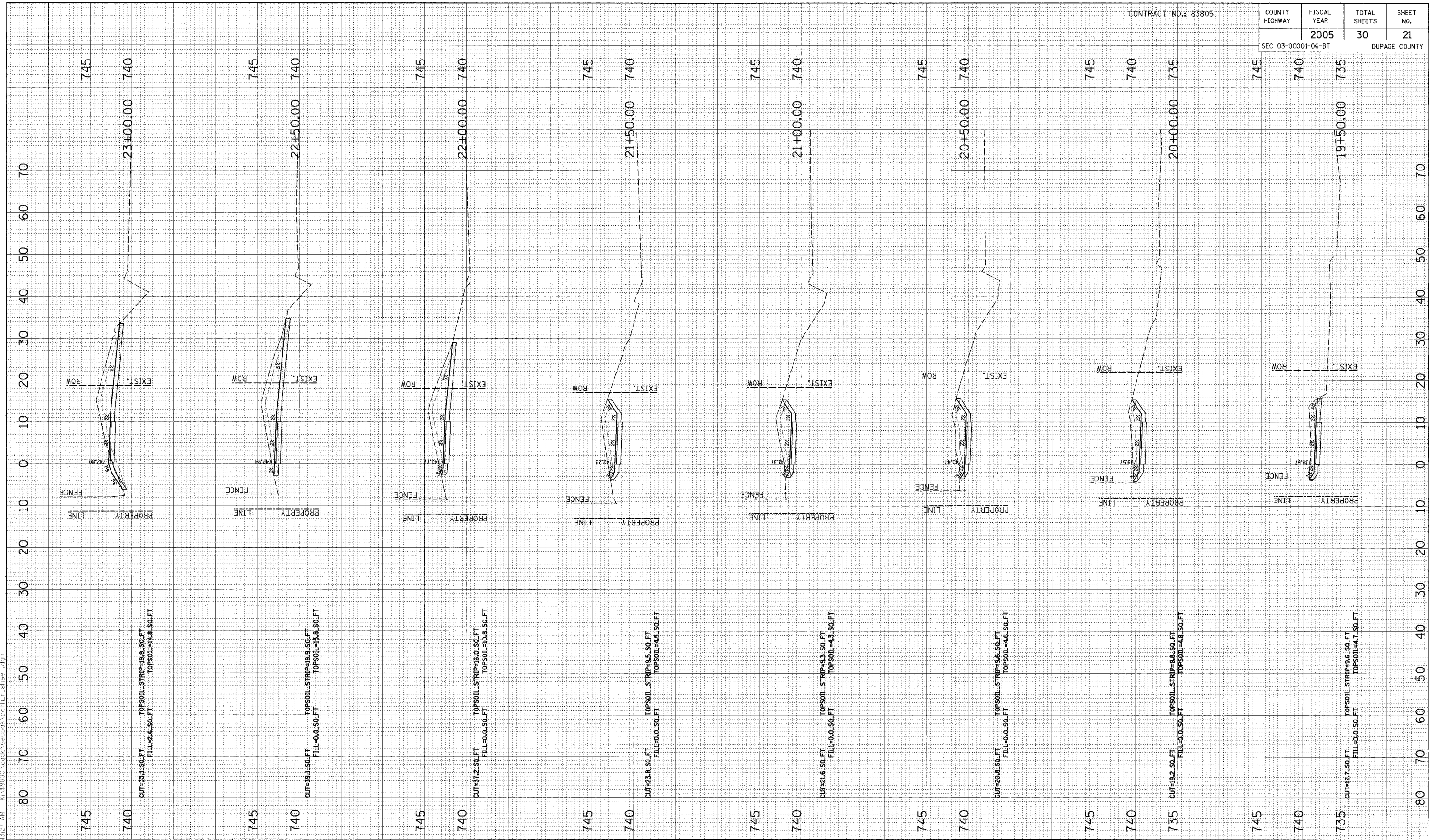
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DATE: JUNE 9, 2005
PROJECT No.: 11-1900-01
SHEET

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	21
		DUPAGE COUNTY	



NO.	DATE	BY	REVISION

SCALE	1" = 10' H	1" = 5' V
DRAWN BY	BH	DATE 04/04/05
CHECKED BY	JC	DATE
APPROVED BY	DWB	DATE



RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

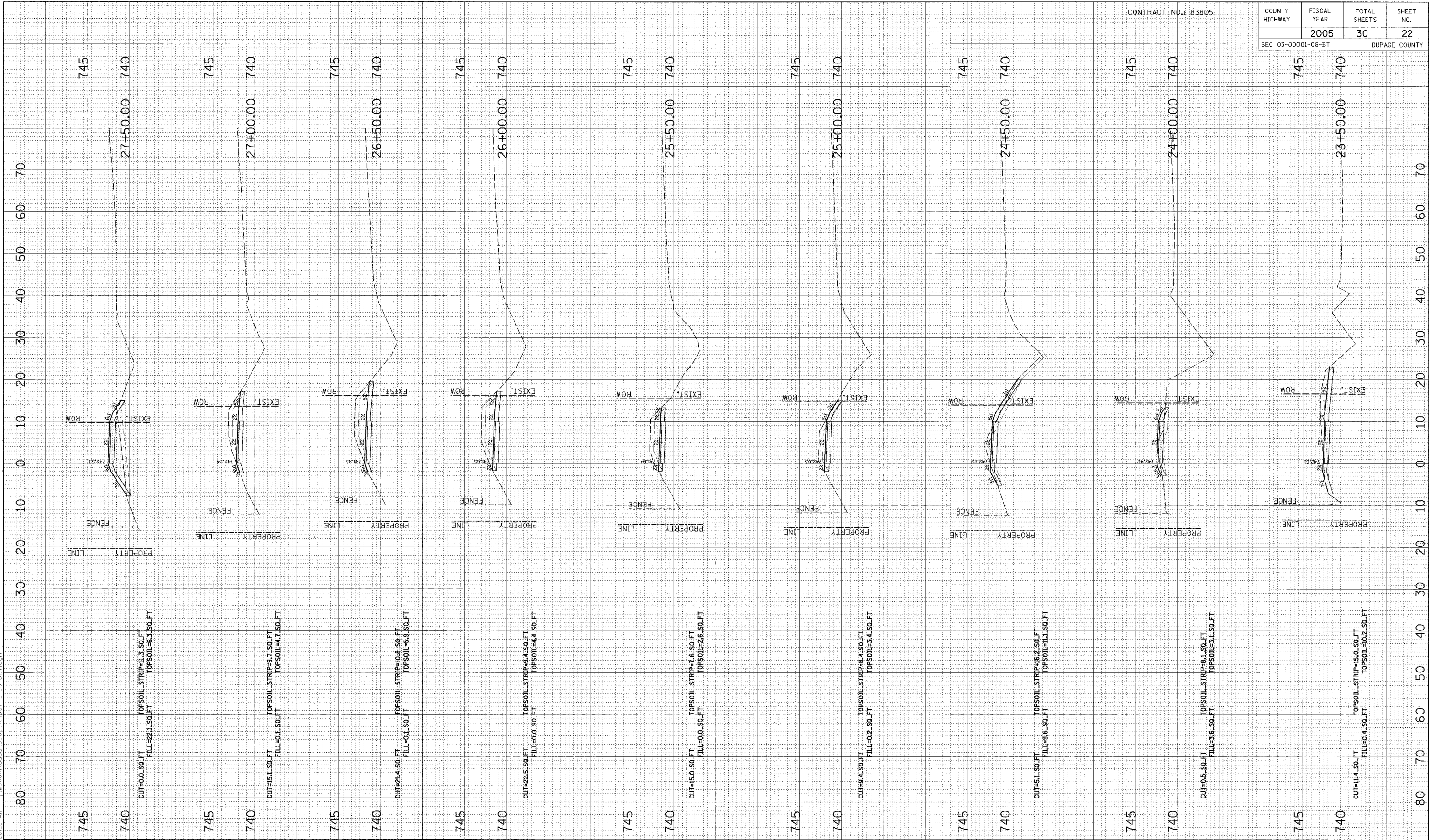
TITLE
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DATE: JUNE 9, 2005
PROJECT No.: 11-1900-01
SHEET

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	22
			DUPAGE COUNTY



NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION

SCALE 1" = 10' H 1" = 5' V

DRAWN BY BH DATE 04/04/05
 CHECKED BY JC DATE
 APPROVED BY DWB DATE

RN GROUP

RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT

Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

TITLE

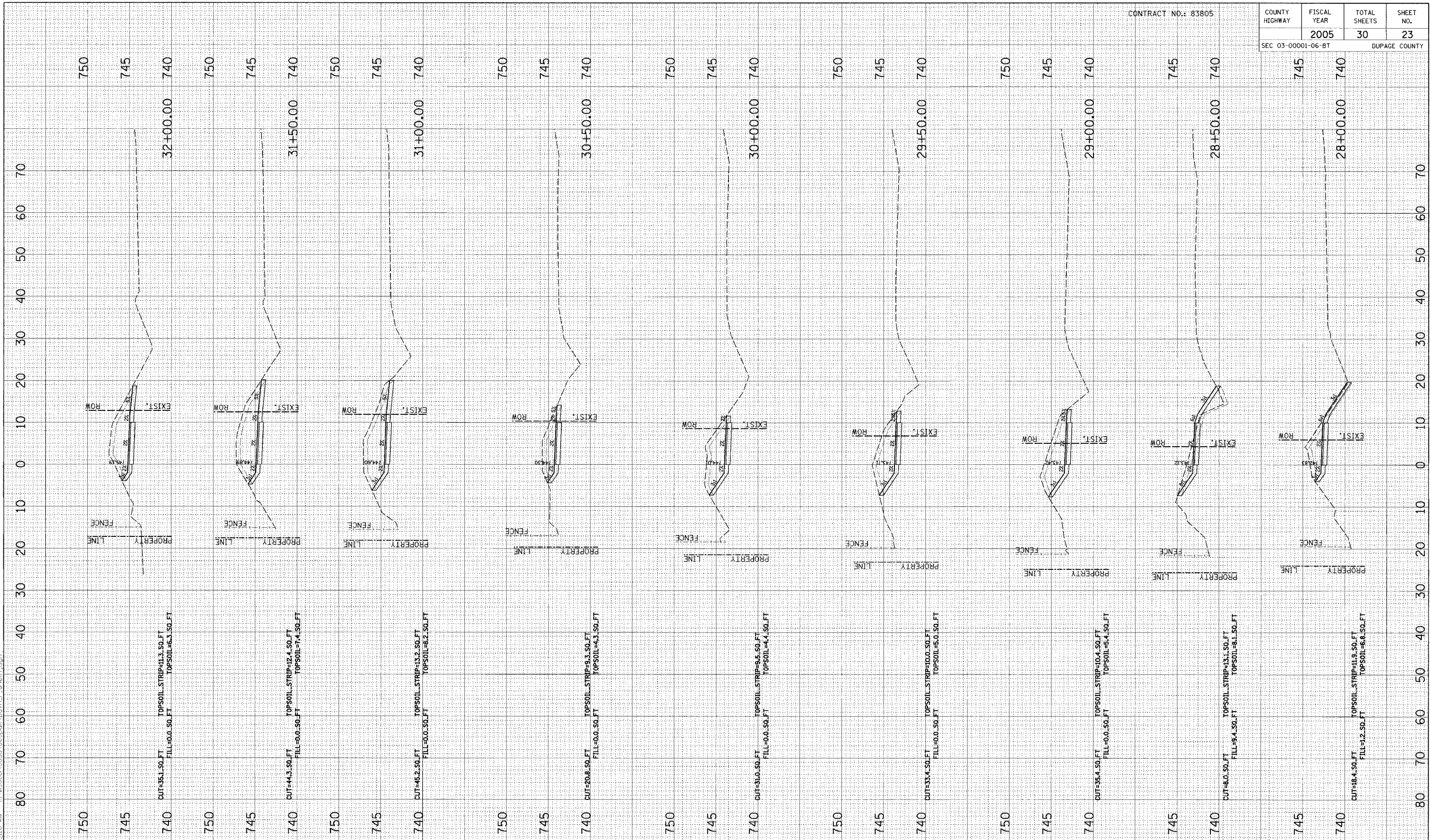
PROPOSED CROSS SECTIONS

DATE	JUNE 9, 2005
PROJECT No.	11-1900-01
SHEET	

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	23
		DUPAGE COUNTY	



NO.	DATE	BY	REVISION


NO.	DATE	BY	REVISION

SCALE 1" = 10' H 1" = 5' V

DRAWN BY BH DATE 04/04/05

CHECKED BY JC DATE

APPROVED BY DWB DATE



R/N GROUP, INC.
CONSULTING ENGINEERS

PROJECT
**Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur**

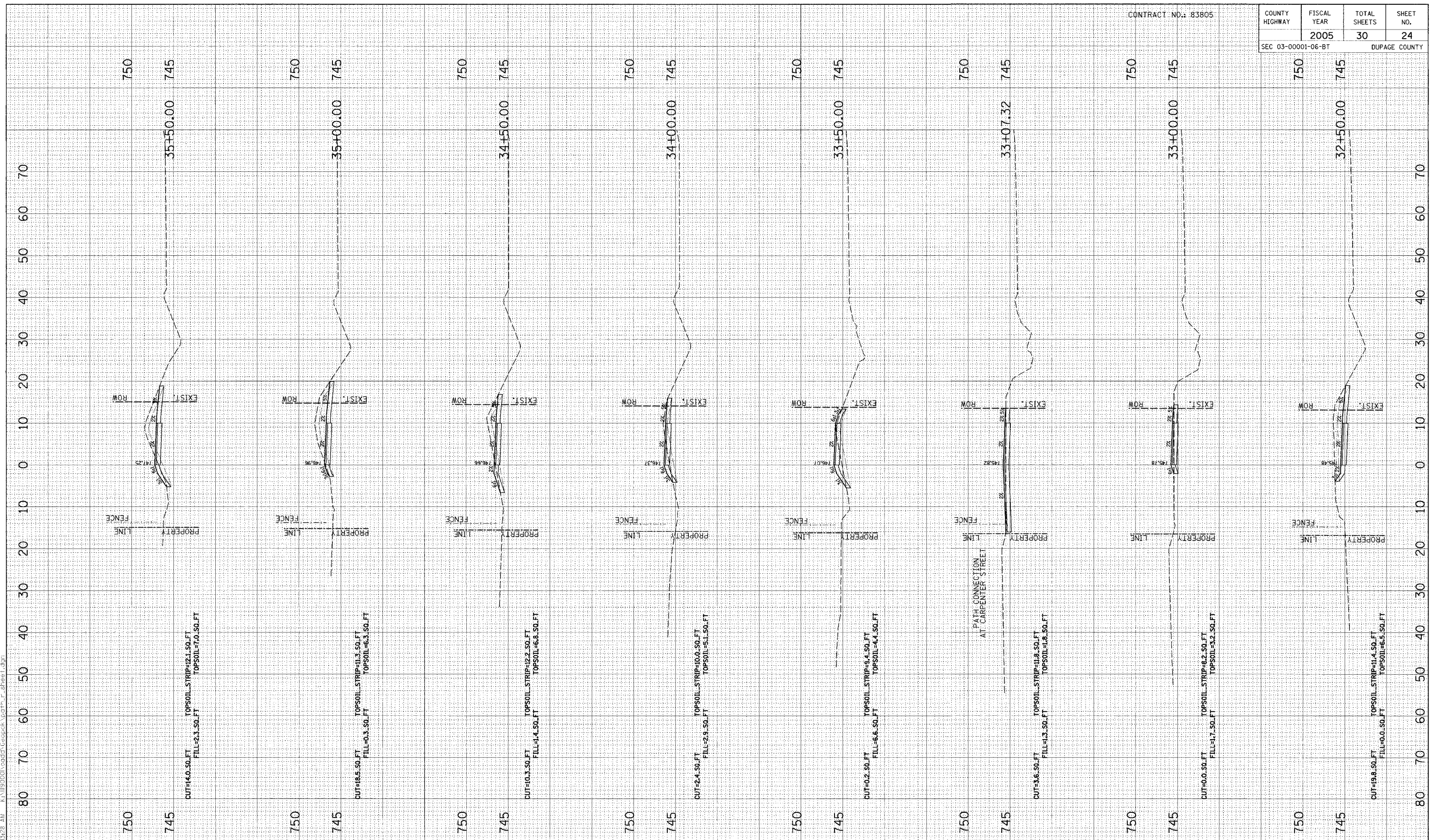
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PROPOSED CROSS SECTIONS

DATE JUNE 9, 2005
PROJECT No. 11-1900-01
SHEET

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	24
			DUPAGE COUNTY



NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION

SCALE 1" = 10' H
1" = 5' V

RJN GROUP, INC.
CONSULTING ENGINEERS

DRAWN BY BH DATE 04/04/05
CHECKED BY JC DATE
APPROVED BY DWB DATE



PROJECT
**Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur**

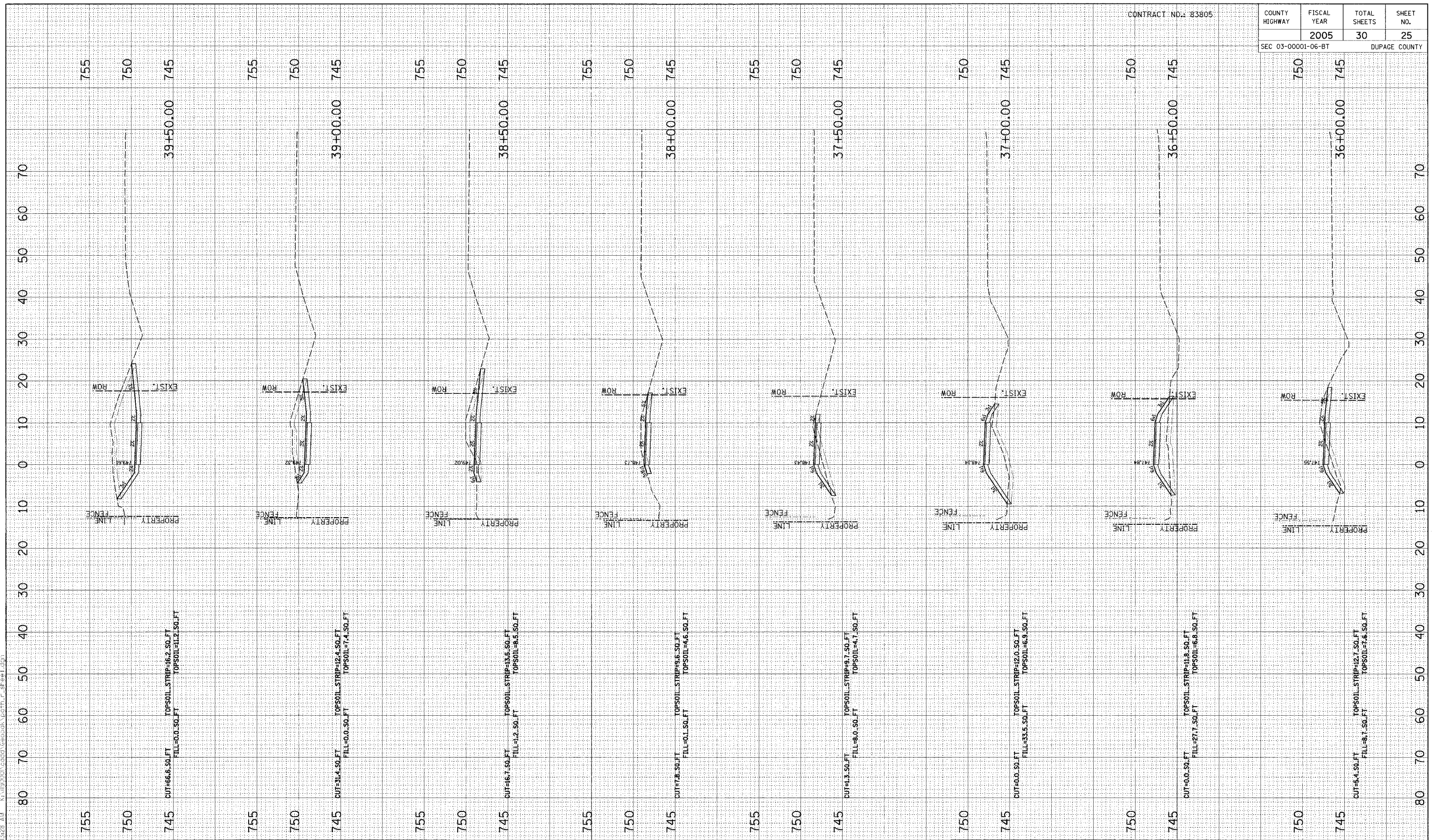
TITLE
PROPOSED CROSS SECTIONS

DATE JUNE 9, 2005
PROJECT No. 11-1900-01
SHEET

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-0001-06-BT	2005	30	25
		DUPAGE COUNTY	



NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION

SCALE 1" = 10' H 1" = 5' V
 DRAWN BY BH DATE 04/04/05
 CHECKED BY JC DATE
 APPROVED BY DWB DATE



R/N GROUP, INC.
 CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector – Waterfall Glen Spur

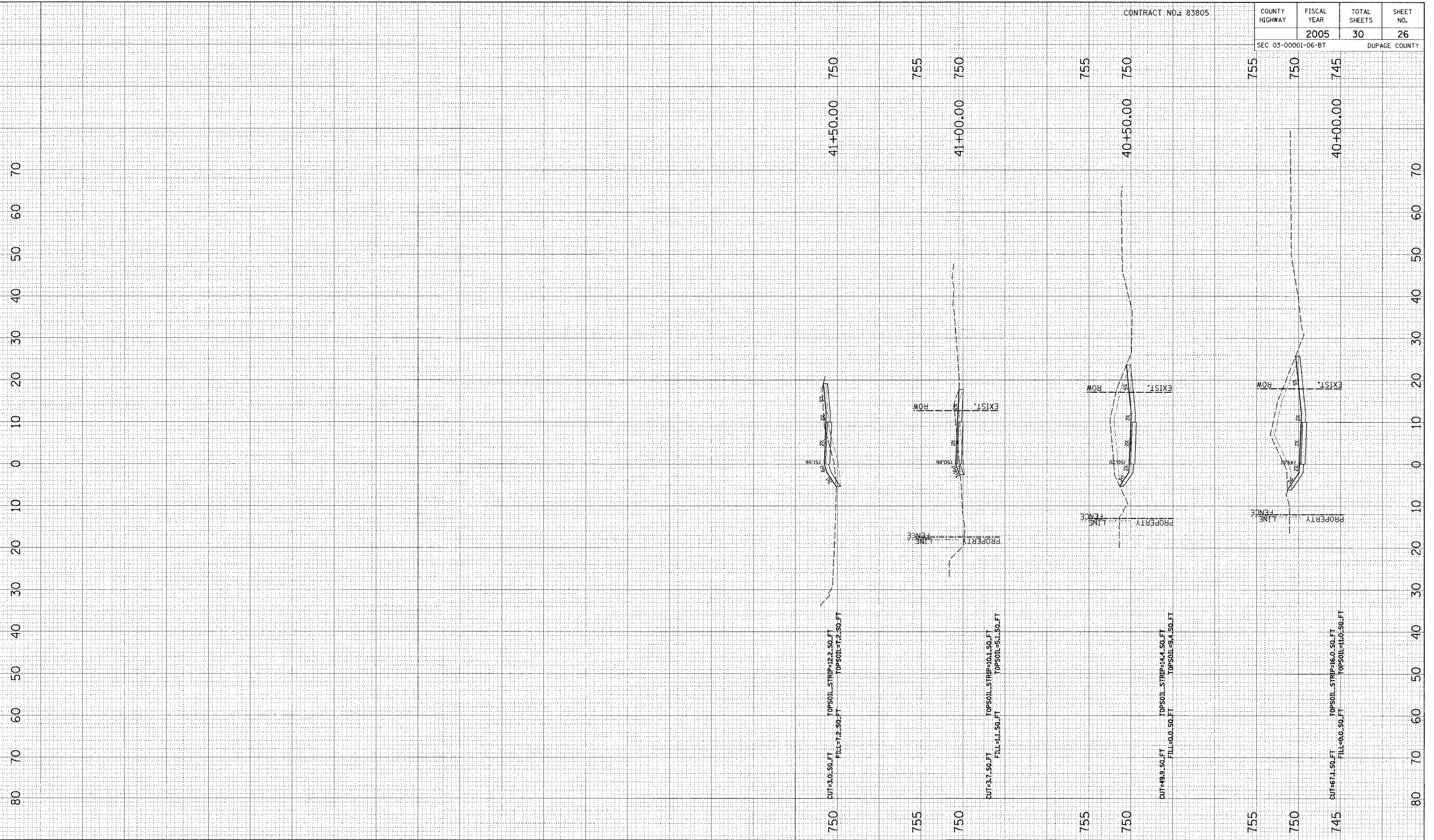
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PROPOSED CROSS SECTIONS

DATE	JUNE 9, 2005
PROJECT No.	11-1900-01
SHEET	

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CONTRACT NO.: 83805

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	26
			DUPAGE COUNTY



NO.	DATE	BY	REVISION

SCALE 1" = 10' H 1" = 5' V
 DRAWN BY BH DATE 04/04/05
 CHECKED BY JC DATE
 APPROVED BY DWB DATE



RJN GROUP, INC.
 CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector – Waterfall Glen Spur

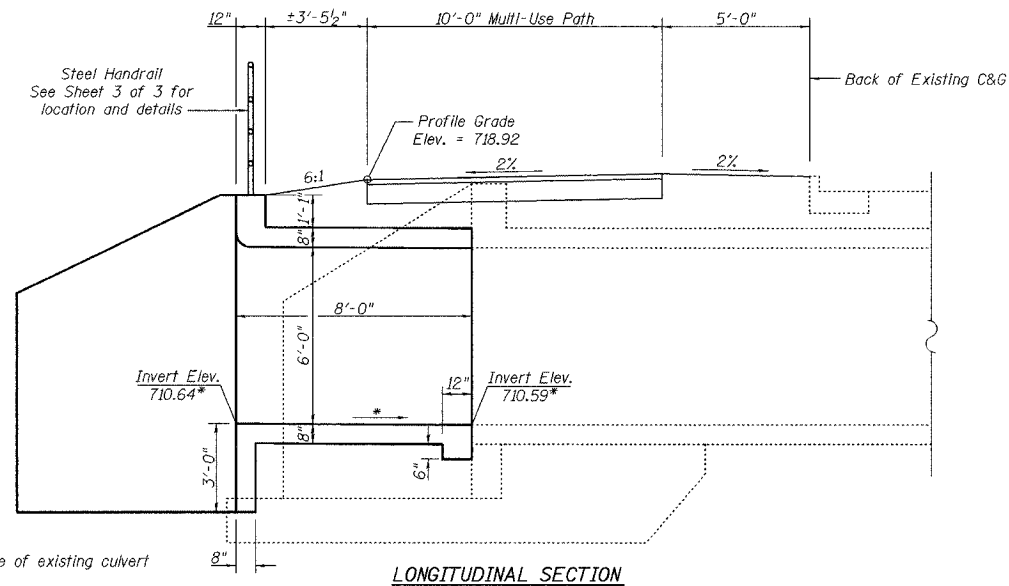
TITLE
PROPOSED CROSS SECTIONS

DATE	JUNE 9, 2005
PROJECT NO.	11-1900-01
SHEET	

Benchmark: Chiseled "x" on east end of existing headwall. Elev. 718.76
 Existing Structure: Double 6'x6' Precast Concrete Box Culvert, extended in 1998.
 No Salvage.

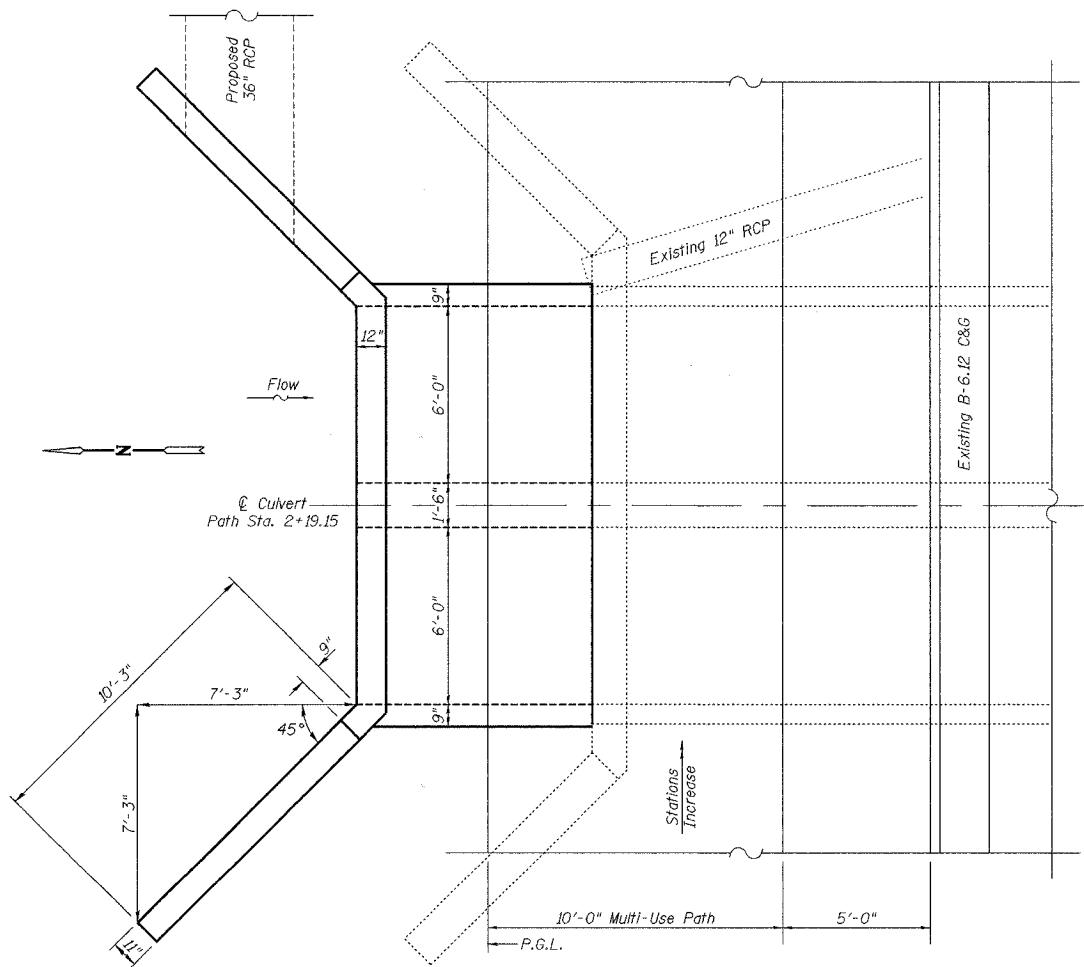
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	2005	30	27
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805

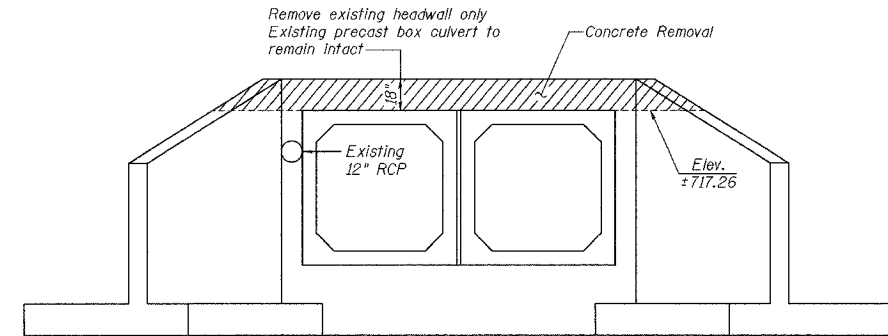


* Match invert and slope of existing culvert

LONGITUDINAL SECTION



PLAN

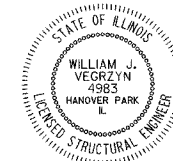


REMOVAL NOTES:

Cut existing reinforcement flush with removal surface.
 Existing 12" storm sewer shall be removed.

REMOVAL DETAILS

Looking South



William J. Vegrzyn 7/22/05
 Expires 11-30-06

I certify to the best of my knowledge, information and belief, this bridge, box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specification for Highway Bridges".

LOADING HS20-44
 DESIGN SPECIFICATIONS

AASHTO 17th Ed. - 2002

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	1.4
Concrete Box Culverts	Cu. Yd.	19.2
Reinforcement Bars	Pound	3830
Expansion Bolts 3/4 Inch	Each	40
Pipe Handrail	Foot	33

7/22/2005 8:03:32 AM k:\1190001\culvert\plan.dgn

NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE	N/A
DRAWN BY	BLB DATE
CHECKED BY	WJV DATE
APPROVED BY	DATE



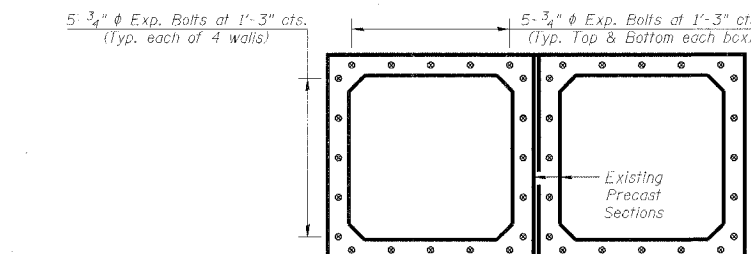
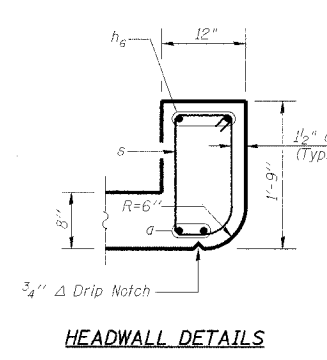
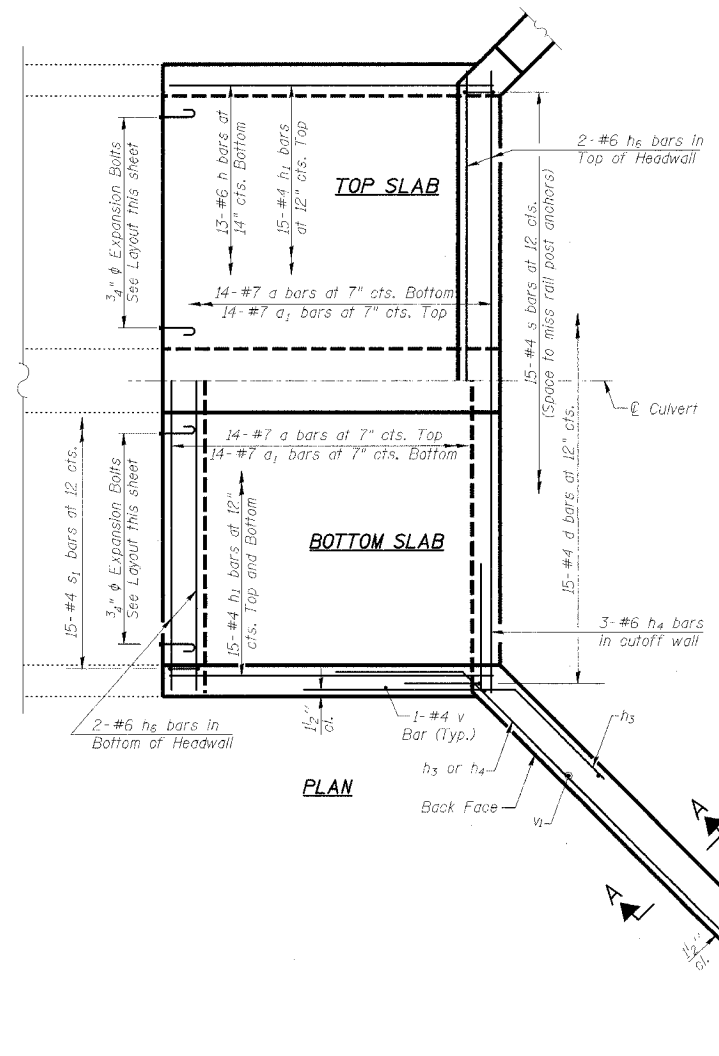
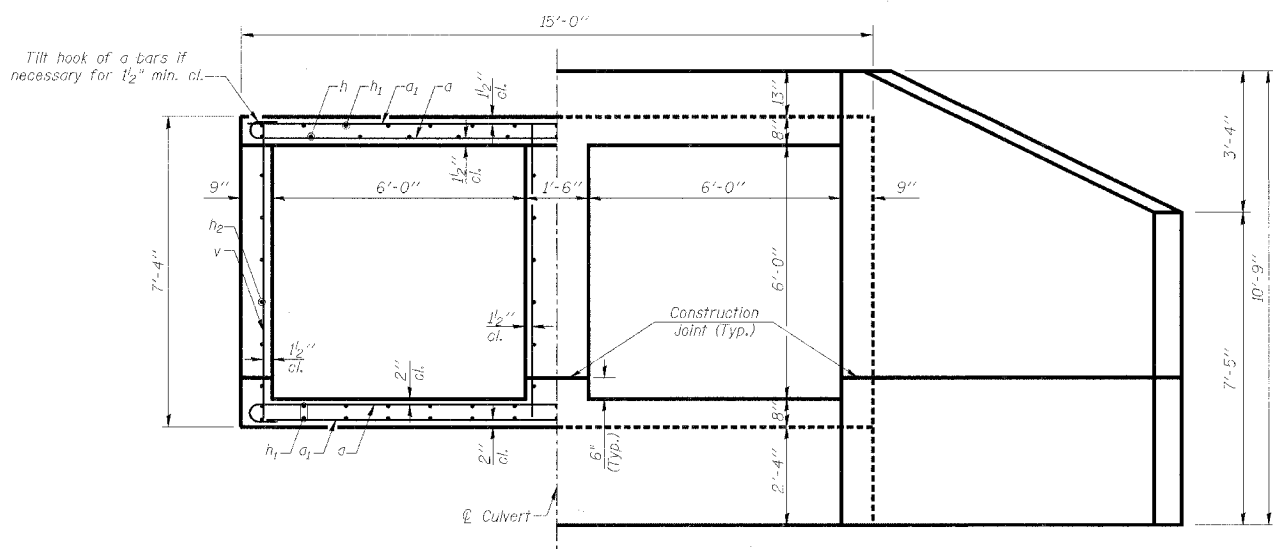
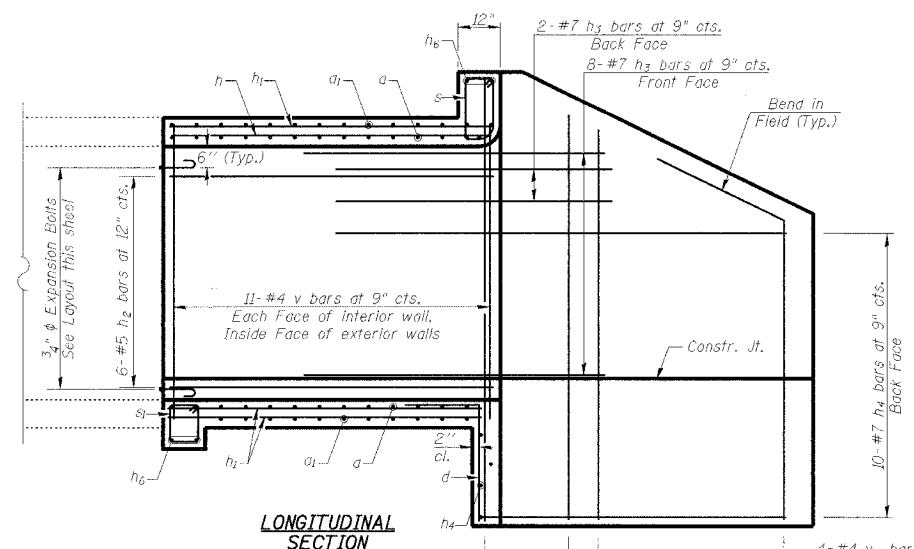
R/N GROUP, INC.
 CONSULTING ENGINEERS

PROJECT
 Southern DuPage County Regional Trail
 101st Street Connector - Waterfall Glen Spur

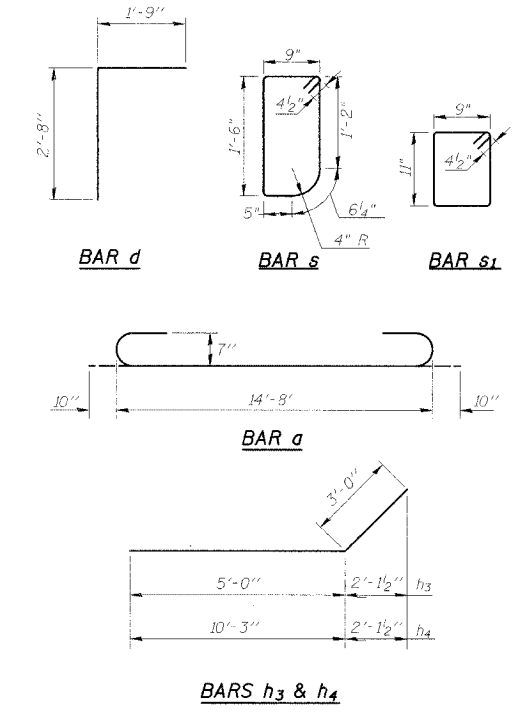
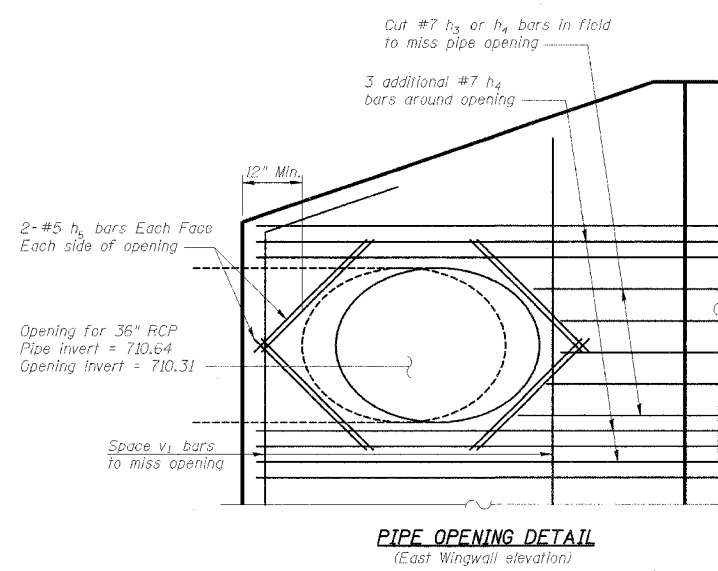
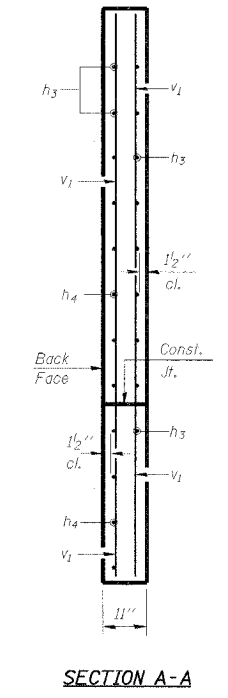
TITLE	CULVERT EXTENSION	DATE: JUNE 9, 2005
PROJECT NO.	II-1900-01	SHEET: 1 of 3

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
SEC 03-00001-06-BT	2005	30	28
DUPAGE COUNTY			

CONTRACT NO.: 83805



*Expansion Bolts shall be 3/4" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	28	#7	16'-4"	U
a1	28	#7	14'-8"	—
d	15	#4	4'-5"	L
h	13	#6	7'-9"	—
h1	45	#4	7'-9"	—
h2	24	#5	7'-9"	—
h3	20	#7	8'-0"	—
h4	23	#7	13'-3"	—
h5	8	#5	3'-9"	—
h6	4	#6	14'-7"	—
s	15	#4	5'-1"	D
s1	15	#4	4'-1"	D
v	46	#4	7'-0"	—
v1	8	#4	10'-6"	—
Concrete Box Culverts			Cu. Yd.	19.2
Reinforcement Bars			Pound	3830
Expansion Bolts 3/4 Inch			Each	40

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NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE	N/A
DRAWN BY	LCM
CHECKED BY	WV
APPROVED BY	



RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

TITLE
CULVERT EXTENSION DETAILS
DATE: JUNE 9, 2005
PROJECT No: II-1900-01
SHEET: 2 of 3

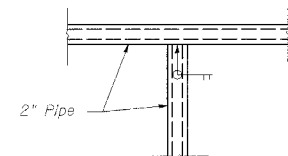
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	2005	30	29
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805

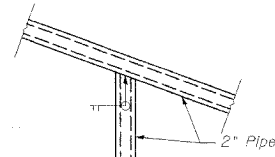


DETAIL A1

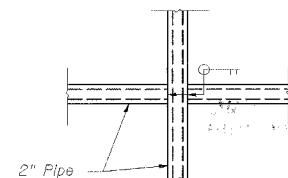
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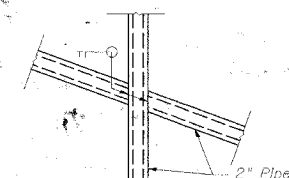
DETAIL B1



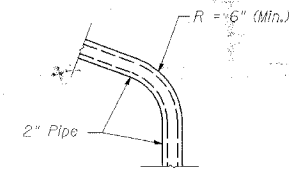
DETAIL B2



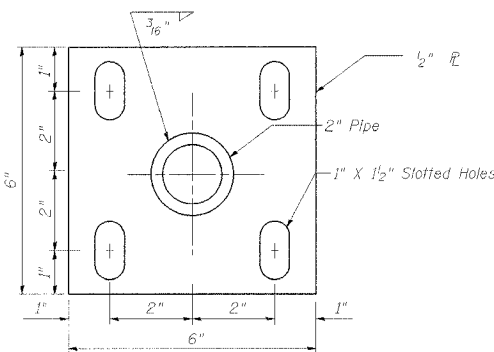
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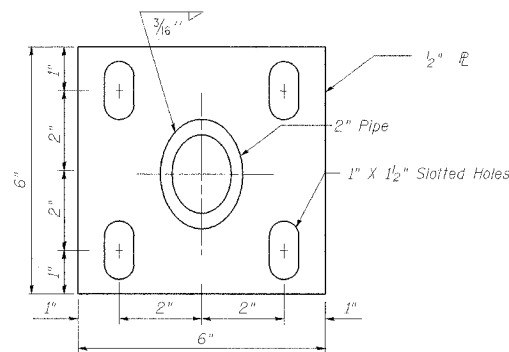
DETAIL C2



DETAIL D2



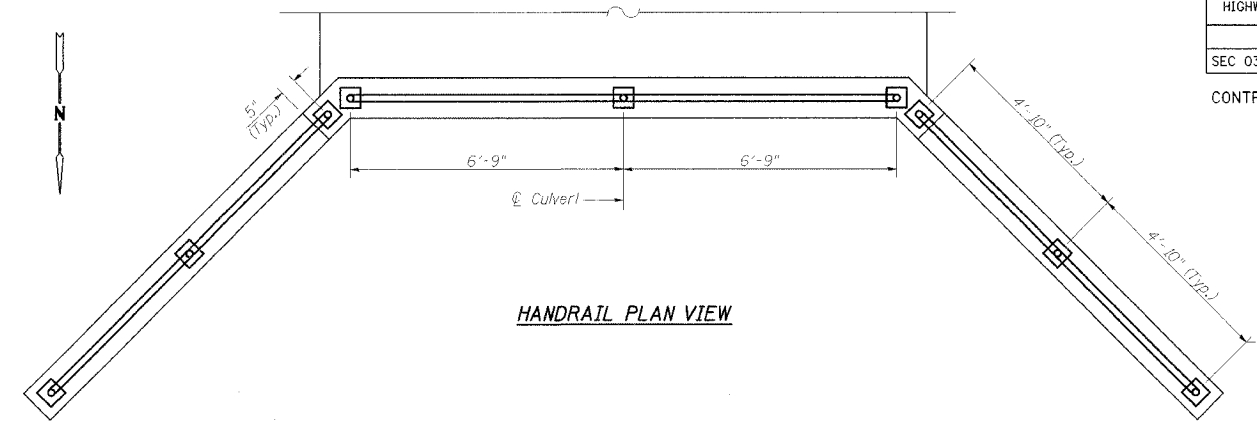
BASE PLATE
At Headwall



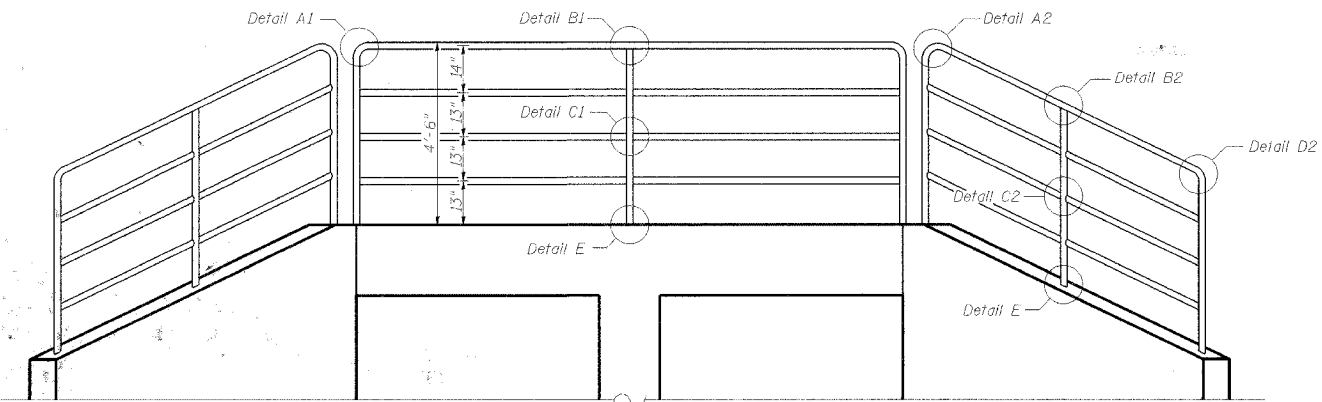
BASE PLATE
At Wingwall

BILL OF MATERIAL

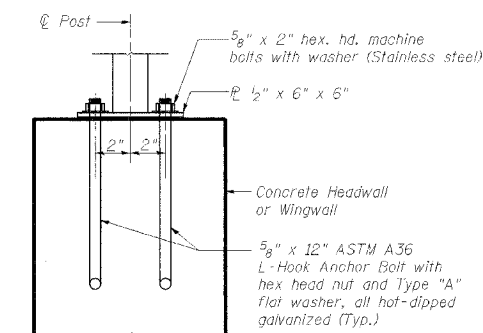
ITEM	UNIT	TOTAL
Pipe Handrail	Foot	33



HANDRAIL PLAN VIEW

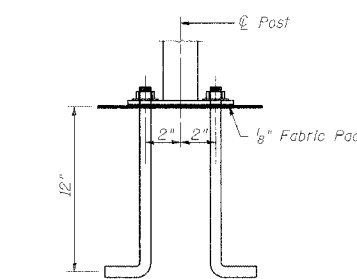


HANDRAIL ELEVATION VIEW
Looking South

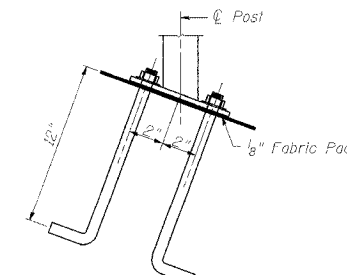


DETAIL E (ANCHOR BOLT DETAILS)

In lieu of the cast-in place anchor device shown, the Contractor has the option of drilling and epoxy grouting 5/8" anchor rods. Embedment shall be according to the manufacturer's specifications.



AT HEADWALL



AT WINGWALL

NOTES

Wingwall handrails shall be fabricated to match the slope of the wingwalls.

Railing shall be according to Section 510 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Hand Rail.

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

All other steel shapes and plates shall conform to requirements of AASHTO W 270 Grade 36.

If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical.

Space reinforcement to miss anchor rods.

All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.

Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.

HANDRAIL SHALL BE PAINTED BLACK PER ARTICLE 510.05.

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NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE	N/A
DRAWN BY	BLB
CHECKED BY	WJV
APPROVED BY	



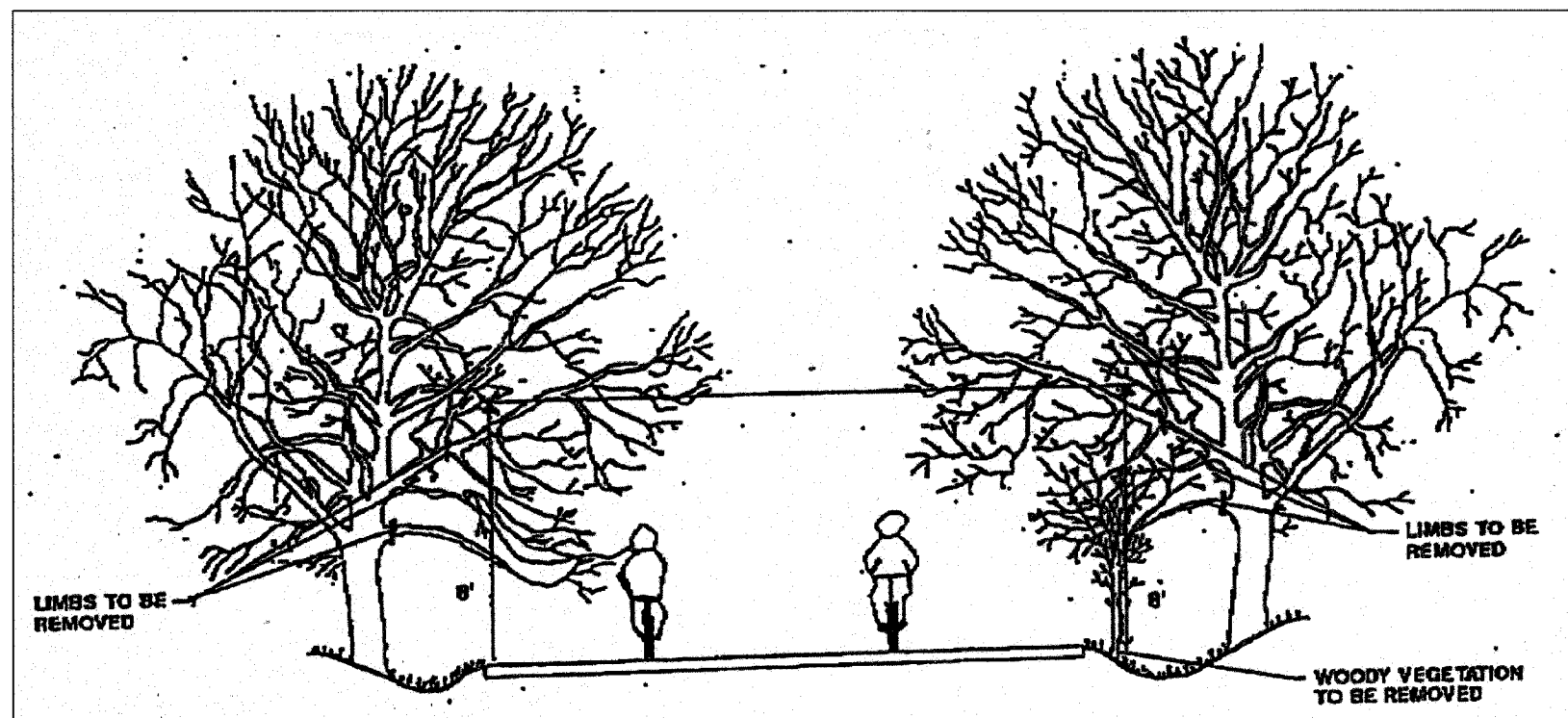
RJN GROUP, INC.
CONSULTING ENGINEERS

PROJECT
Southern DuPage County Regional Trail
101st Street Connector - Waterfall Glen Spur

TITLE	HANDRAIL DETAILS
DATE	JUNE 9, 2005
PROJECT No.	II-1900-01
SHEET	3 of 3

COUNTY HIGHWAY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
	2005	30	30
SEC 03-00001-06-BT		DUPAGE COUNTY	

CONTRACT NO.: 83805



GENERAL NOTES

1. THE NATIONAL ARBORIST ASSOCIATIONS PRUNING STANDARDS FOR SHADE TREES CLASS II - STANDARD PRUNING SPECIFICATIONS SHALL BE FOLLOWED.

6/9/2005 2:49:49 PM K:\J150000\cadd\Design\1901_DETAIL.dgn

NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

SCALE	NOT TO SCALE
DRAWN BY	JMC DATE
CHECKED BY	MRH DATE
APPROVED BY	DWB DATE



R/N GROUP, INC.
CONSULTING ENGINEERS

PROJECT	Southern DuPage County Regional Trail 101st Street Connector - Waterfall Glen Spur
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TITLE	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE
DATE	JUNE 9, 2005
PROJECT No.	II-1900-01
SHEET	II-1900-01