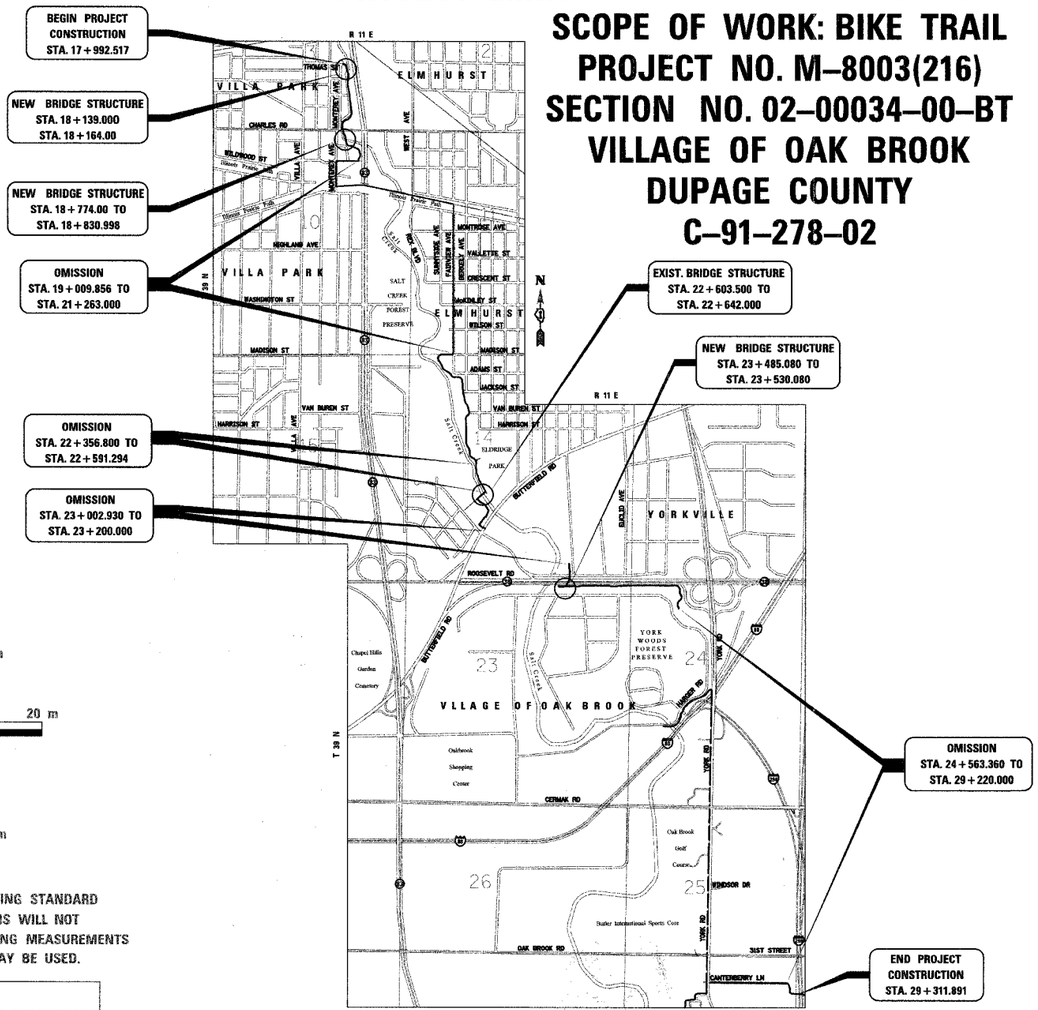
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DU PAGE	108	1

CONTRACT NO. 83714

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID PROJECT

SALT CREEK GREENWAY TRAIL (SOUTH DUPAGE)
PROJECT LIMITS: 2nd STREET TO DUPAGE COUNTY LINE
SCOPE OF WORK: BIKE TRAIL
PROJECT NO. M-8003(216)
SECTION NO. 02-00034-00-BT
VILLAGE OF OAK BROOK
DUPAGE COUNTY
C-91-278-02

INDEX OF SHEETS



LOCATION MAP
SCALE 1:1200

GROSS PROJECT LENGTH : 11,319.374 METERS
NET PROJECT LENGTH : 3,978.026 METERS

LOCATION OF SECTION INDICATED THUS: –

DESIGN DESIGNATION
BIKE PATH

VILLAGE OF OAK BROOK

APPROVED July 18, 20 05

Oak R Rafferty
VILLAGE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 7/21, 20 05

LOCAL ROADS AND STREET ENGINEER

APPROVED July 21, 20 05

Dina O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

METRIC RATIOS

1 m 0 2 m — 1 : 50

0 5 m 10 m — 1 : 100

10 m 0 20 m — 1 : 250

5 m 0 20 m — 1 : 500

0 50 m 100 m — 1 : 1000

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

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

CONTRACT NO. 83714

FEDERAL AID PROGRAM ENGINEER: CHARLES RIDDLE, P.E. (847) 705-4406

DAVID D. LANDEWEER
062-042363
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Expires 11/30/05 DATE: 7/20/05

PLANS PREPARED BY:

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL. (847) 228-0707
FAX (847) 228-1115

PLAN NOTES

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	2
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

GENERAL NOTES BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

ALL STATION-OFFSET CALL OUTS AND CURVE DATA ON THE PLANS REFER TO THE PROPOSED CENTERLINE UNLESS OTHERWISE SHOWN.

IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS

SPECIFICATIONS ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", MAY 1996 EDITION, THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION, THE DETAILS INCLUDED IN THE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

STANDARDS ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF IDOT AS LISTED ON THIS SHEET.

COORDINATION THE CONTRACTOR SHALL NOTIFY THE CITY OF ELMHURST, ELMHURST PARK DISTRICT, THE VILLAGE OF VILLA PARK, THEVILLAGE OF OAK BROOK AND THE FOREST PRESERVE DISTRICT OF DUPAGE COUNTY AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK, AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.

PUBLIC OR PRIVATE UTILITIES THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE, AND THE DISTRICT DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH UTILITIES AND EXERCISE CARE DURING CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM, IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS". THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY OWNERS SO THAT THEIR FACILITIES MAY BE ADJUSTED OR RELOCATED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED IN THE PLANS. ALL RELOCATION WORK ON EXISTING PRIVATE UTILITIES WILL BE CONSTRUCTED BY THE OWNER OF THAT UTILITY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY AT HIS/HER OWN EXPENSE.

SURVEY MONUMENTS THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE MONUMENTS ARE REMOVED.

DISPOSAL OF MATERIALS THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIALS EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS, AT HIS EXPENSE. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO LOCATIONS, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT.

EXISTING DRAINAGE STRUCTURES DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED BY THE CONTRACTOR AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

UNSUITABLE MATERIAL BEFORE REMOVAL OF ANY UNSUITABLE MATERIAL, THE CONTRACTOR SHALL TREAT THE SUBGRADE AS PER ARTICLE 301.03 OF THE "STANDARD SPECIFICATIONS" TO THE SATISFACTION OF THE ENGINEER. UNSUITABLE MATERIAL SHALL NOT BE USED AS EMBANKMENT OR FILL UNDER THE PROPOSED PATH AS SHOWN ON THE TYPICAL CROSS SECTIONS.

FLOODPLAIN MANAGEMENT

THE COMPENSATORY STORAGE SHALL BE PROVIDED AND OPERATED PRIOR TO PLACEMENT OF THE FILL, STRUCTURES OR OTHER MATERIALS IN THE REGULATORY FLOODPLAIN.

CONSTRUCTION ACCESS LOCATIONS

THE CONSTRUCTION ACCESS LOCATIONS SHALL AVOID WETLAND, WETLAND BUFFER AND RIPARIAN AREAS.

STOCKPILES STOCKPILES OF TOPSOIL AND OTHER MATERIALS SHALL NOT BE LOCATED WITHIN A SPECIAL MANAGEMENT AREA. APPROVAL OF THE LOCATION MUST BE OBTAINED FROM THE ENGINEER PRIOR TO PLACEMENT.
IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, THE EROSION CONTROL MEASURES SHALL BE PROVIDED.

TREE TRIMMING ALL BRANCHES THAT ARE LESS THAN 12 FEET ABOVE THE SURFACE OF THE TRAIL SHALL BE REMOVED BY A CERTIFIED ARBORIST. THIS WORK WILL BE PAID FOR AS PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE.

ACCESS TO ABUTTING PROPERTY THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER.

SAW CUTTING THE LIMITS OF REMOVAL OF ALL CONCRETE OR BITUMINOUS PAVEMENTS, CURBING OR SIDEWALK ADJACENT TO EXISTING LIKE PAVEMENTS, CURBING OR SIDEWALKS SHALL BE SAWCUT IN ACCORDANCE WITH SECTION 440 OF THE "STANDARD SPECIFICATIONS" AND AT THE DIRECTION OF THE ENGINEER. THE SAW CUTTING OF BITUMINOUS PAVEMENT, DRIVEWAYS, CURBING OR SIDEWALK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND WILL NOT BE PAID FOR AS SEPARATE ITEMS.

ADJACENT PAVEMENT OR SIDEWALK DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR. THE COST FOR THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.

RESTORATION GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 150 mm TOPSOIL AND SEED OR SOD AS SPECIFIED. PAYMENT SHALL BE ACCORDING TO THE ITEMS USED. USE BLANKET IN SEEDED AREAS LOCATED WITHIN FLOW LINES, ALONG THE SHORELINE OF THE CREEK, AND ON SLOPES 1:3 OR GREATER.

ACCESS THE CONTRACTOR SHALL BE AWARE OF POTENTIAL LIMITED ACCESS TO PORTIONS OF THE PROJECT. TEMPORARY DRAINAGE CROSSINGS APPROVED BY THE ENGINEER MAY BE INSTALLED BY THE CONTRACTOR AT HIS/HER EXPENSE TO GAIN ACCESS FOR CONSTRUCTION. THE CONTRACTOR MAY ALSO APPROACH ADJACENT OWNERS FOR THE PURPOSE OF OBTAINING ADDITIONAL ACCESS. SUCH NEGOTIATIONS, HOWEVER, ARE STRICTLY BETWEEN PROPERTY OWNERS AND THE CONTRACTOR. ANY ADDITIONAL COSTS INCURRED BY THE CONTRACTOR AS A RESULT SHALL BE AT HIS/HER EXPENSE.

SEDIMENTATION AND EROSION CONTROL NOTES

A. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.
C. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING OF THE SOIL.
D. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.
E. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
F. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.
G. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
H. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL PRIOR TO THE START OF ANY EARTHWORK.
I. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES SHALL BE PROVIDED.
J. EROSION CONTROL MEASURES SHALL COMPLY WITH THE MINIMUM REQUIREMENTS OF THE DUPAGE COUNTY STORMWATER AND FLOODPLAIN ORDINANCE SPECIFICATIONS AT ALL TIMES.

HIGHWAY STANDARDS

CONTRACT NO. 83714

000001-4	STANDARD SYMBOLS, ABBREVIATIONS AND PATERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
424001-04	CURB RAMPS FOR SIDEWALK
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001	CATCH BASIN, TYPE A
602301-01	INLET TYPE A
602401-01	MANHOLE, TYPE A
604001-02	FRAME AND LIDS TYPE 1
604091-01	FRAME AND GRATE, TYPE 24
606001-02	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB AND GUTTER
606201	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
701601-04	URBAN LANE CLOSURE MULTILANE 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-04	URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE MULTILANE INTERSECTION
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001	APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS & MARKERS)

KANE-DUPAGE SOIL AND WATER DISTRICT NOTES

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.

DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.

REVISIONS		
NO.	NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000 TEL (847) 228-0707
ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

GENERAL CONSTRUCTION NOTES AND HIGHWAY STANDARDS

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	3
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

CODE NO	PAY ITEM	TOTAL		ELMHURST PARK DISTRICT (1)		VILLAGE OF VILLA PARK (2)		VILLAGE OF OAK BROOK (3)		DUPAGE FOREST PRESERVE DISTRICT (4)	
		UNIT	TOTAL QUANTITY	BIKE PATH Y047	STRUCTURES X032-2A	BIKE PATH Y047	STRUCTURES N/A	BIKE PATH Y047	STRUCTURES X032-2A	BIKE PATH Y047	STRUCTURES N/A
M2010110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	992	575				315		102	
M2010210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	283	133				70		80	
20101200	TREE ROOT PRUNING	EACH	25					21		4	
M2020010	EARTH EXCAVATION	CU M	6,448	5923		3		512		10	
M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	10,263	7801		259		1837		366	
M2040800	FURNISHED EXCAVATION	CU M	396			92		192		112	
M2070420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU M	852	529		41		230		52	
M2080150	TRENCH BACKFILL	CU M	89	21				62		6	
M2101000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ M	13,909	8,738		645		3702		824	
M2113150	TOPSOIL FURNISH AND PLACE, 150 MM	SQ M	27,232	20,205		676		5528		823	
M2130010	EXPLORATION TRENCH, SPECIAL	METER	20					20			
* M2500115	SEEDING, CLASS 1B	HA	1.1	0.4		0.1		0.5		0.1	
* M2500312	SEEDING, CLASS 4A	HA	0.9	0.7				0.1		0.1	
* M2500400	NITROGEN FERTILIZER NUTRIENT	KG	190	110		10		60		10	
* M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	190	110		10		60		10	
* M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	190	110		10		60		10	
* M2510105	MULCH, METHOD 1	HA	2.0	1.1		0.1		0.6		0.2	
* M2510630	EROSION CONTROL BLANKET	SQ M	2,200	1000		100		1000		100	
* M2520110	SODDING, SALT TOLERANT	SQ M	400	100		100		100		100	
M2520200	SUPPLEMENTAL WATERING	UNIT	8	4		1		2		1	
28000300	TEMPORARY DITCH CHECKS	EACH	25	16				5		4	
M2800400	PERIMETER EROSION BARRIER	METER	5,046	4054		410		134		448	
M2810103	STONE RIPRAP, CLASS A2	SQ M	10	10							
M2820200	FILTER FABRIC	SQ M	10	10							
M3511100	AGGREGATE BASE COURSE, TYPE B 100MM	SQ M	150	150							
M3511150	AGGREGATE BASE COURSE, TYPE B 150 MM	SQ M	11,734	7,369		537		3141		687	
M4060100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	10,515	6501		537		2790		687	
M4205200	PROTECTIVE COAT	SQ M	1,424	1,014		3		407			
M4240150	PORTLAND CEMENT CONCRETE SIDEWALK 150MM	SQ M	1,385	1006		6		373			
M4402000	PAVEMENT REMOVAL	SQ M	389	347				42			
M4402020	CURB REMOVAL	METER	16					16			
M4402045	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	METER	44	36		4		4			
M4812100	AGGREGATE SHOULDERS, TYPE B 100MM	SQ M	93	93							
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1.0						
M5010240	CONCRETE REMOVAL	CU M	11.4		10.0			1.4			
M5010465	SLOPE WALL REMOVAL	SQ M	265		85				180		
M5010522	PIPE CULVERT REMOVAL	METER	6					6			
M5020100	STRUCTURE EXCAVATION	CU M	398.9		205.9				193.0		
M5030350	CONCRETE STRUCTURES	CU M	346.9		185.7				161.2		

* SPECIALTY ITEM

REVISIONS		
NO.	NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000 TEL (847) 228-0707
ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

SUMMARY OF QUANTITIES

DATE: 5/10/06 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	4
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

CODE NO	PAY ITEM	UNIT	TOTAL	TOTAL QUANTITY	ELMHURST PARK DISTRICT (1)		VILLAGE OF VILLA PARK (2)		VILLAGE OF OAK BROOK (3)		DUPAGE FOREST PRESERVE DISTRICT (4)	
					BIKE PATH	STRUCTURES	BIKE PATH	STRUCTURES	BIKE PATH	STRUCTURES	BIKE PATH	STRUCTURES
					Y047	X032-2A	Y047	N/A	Y047	X032-2A	Y047	N/A
M5080205	REINFORCEMENT BARS, EPOXY COATED	KG	19,550			11,040				8,510		
M5100105	PIPE HANDRAIL	METER	291			179				112		
M5120160	FURNISHING STEEL PILES HP310X79	METER	272			238				34		
M5120166	FURNISHING STEEL PILES HP310X94	METER	51							51		
M5120315	DRIVING STEEL PILES	METER	323			238				85		
M5120460	TEST PILE STEEL HP310X79	EACH	4			3				1		
51204600	METAL SHOES	EACH	23			18				5		
M542E112	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 300MM	EACH	18		10				4		4	
M542E120	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 450MM	EACH	10		4				6			
M542H020	PIPE CULVERTS, CLASS A, TYPE 1 300MM	METER	69		29				28		12	
M542H030	PIPE CULVERTS, CLASS A, TYPE 1 450MM	METER	62		15				47			
M5500450	STORM SEWERS, CLASS A, TYPE 2 450MM	METER	51						51			
M5510025	STORM SEWER REMOVAL 300MM	METER	58						58			
56400100	FIRE HYDRANTS TO BE MOVED	EACH	5						5			
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1						1			
M6020110	CATCH BASINS, TYPE A, 1.2M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1						1			
M6021410	MANHOLES, TYPE A, 1.2M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1						1			
M6023515	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (600MM DEPTH)	EACH	1						1			
60255500	MANHOLES TO BE ADJUSTED	EACH	3		3							
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1						1			
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5		3				2			
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1						1			
60500050	REMOVING CATCH BASINS	EACH	1						1			
60500060	REMOVING INLETS	EACH	1						1			
M6060290	CONCRETE GUTTER, TYPE B	METER	74		18				56			
M6062200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-15.30	METER	33						33			
M6320030	GUARDRAIL REMOVAL	METER	19		19							
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	8		2		2		2		2	
67100100	MOBILIZATION	L SUM	1		0.5				0.5			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1		0.5				0.5			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		0.5				0.5			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		0.5				0.5			
M7200100	SIGN PANEL - TYPE 1	SQ M	29.3		13.0		2.6		11.6		2.1	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2		1				1			
M7290100	METAL POST - TYPE A	METER	182.4		66.9		3.1		105.0		7.4	
• M7800115	THERMOPLASTIC PAVEMENT MARKING - LINE 150MM	METER	134		104				30			
• M7800125	THERMOPLASTIC PAVEMENT MARKING - LINE 300MM	METER	164		125				39			

• SPECIALTY ITEM

REVISIONS		
NO.	NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000 ..... TEL (847) 228-0707
ROLLING MEADOWS, IL 60008 ..... FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

SUMMARY OF QUANTITIES

DATE: 5/10/06 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	5
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

	CODE NO	PAY ITEM	UNIT	TOTAL	TOTAL QUANTITY	ELMHURST PARK DISTRICT (1)		VILLAGE OF VILLA PARK (2)		VILLAGE OF OAK BROOK (3)		DUPAGE FOREST PRESERVE DISTRICT (4)	
						BIKE PATH	STRUCTURES	BIKE PATH	STRUCTURES	BIKE PATH	STRUCTURES	BIKE PATH	STRUCTURES
						Y047	X032-2A	Y047	N/A	Y047	X032-2A	Y047	N/A
*	M7800205	PAINT PAVEMENT MARKING - LINE 100MM	METER	3,775	2,348		179		1019		229		
*	M7800240	PAINT PAVEMENT MARKING - LINE 600MM	METER	9					9				
△	Z0076600	TRAINEES	HOUR	1,000	1,000								
*	A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	1				1				
*	A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	2				1				
*	D2002288	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	3					3				
*	D2002788	EVERGREEN, PINUS NIGRA (AUSTRIAN PINE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	3					3				
*	K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	0.50				0.25		0.25		
*	MX032828	COVER CROP	HA	0.9	0.9								
	MX032950	PERMANENT STEEL SHEET PILING	SQ M	1,560			860				700		
	MX406012	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	M TON	1,327	820		68		352		87		
*	X0444100	BENCHES	EACH	12	6		2		2		2		
*	XX002906	TIP DOWN GATE	EACH	6	4		1		1				
	MX032529	SEGMENTAL CONCRETE BLOCK WALL	SQ M	146	97				49				
*	MX030570	PEDESTRIAN BRIDGE SUPERSTRUCTURE	SQ M	606		433				173			
	MX030569	LIMESTONE TRAIL SCREENINGS, 50 MM	SQ M	35	35								
*	XX006417	LANDSCAPE WALL MODIFICATION	EACH	2					2				
	MX030567	RUSTIC RAIL FENCE	METER	102	58		19		25				
*	MX030565	ALUMINUM SIGN POST, SPECIAL	METER	291.1	162.5		36.8		70.8		21.0		
*	XX001683	INFORMATION KIOSK	EACH	6	3		1		1		1		
*	XX006082	INFORMATION KIOSK GRAPHIC PANEL	EACH	18	9		3		3		3		
*	MX033567	WETLAND SEEDING	HA	0.9	0.9								
*	MX033568	PLANT CONTROL, ALIEN OR AGGRESSIVE	LITER	4	4								
	M4248000	DETECTABLE WARNINGS	SQ M	17.2	9.0		1.8		6.4				

△ = Y080

* SPECIALTY ITEM

REVISIONS		
NO.	NAME	DATE

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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

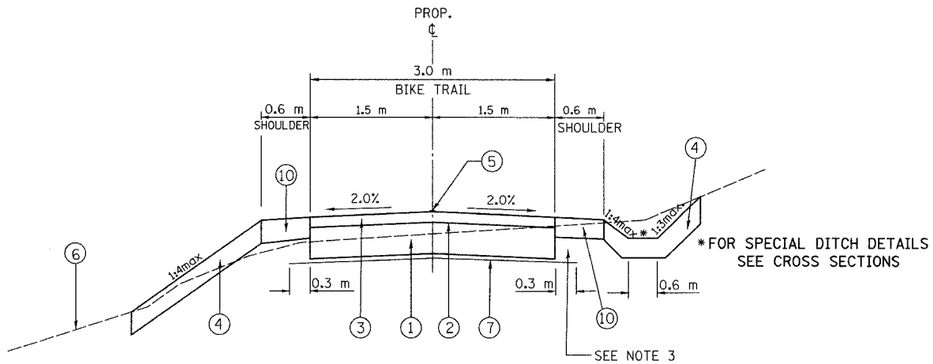
SUMMARY OF QUANTITIES

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	6
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714



*FOR SPECIAL DITCH DETAILS SEE CROSS SECTIONS

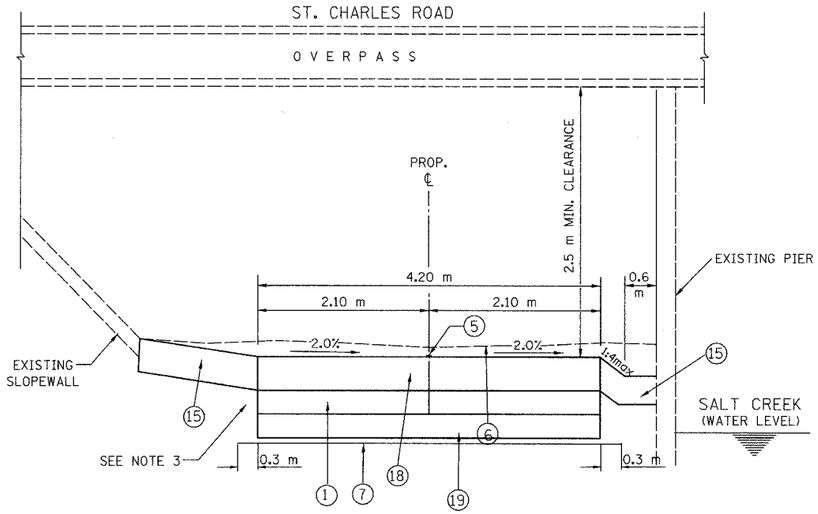
CONSTRUCT DOWNSIDE SWALE WHERE SHOWN ON PLANS

PROPOSED TYPICAL SECTION

STA. 17+992.517 TO STA. 18+106.226
STA. 18+164 TO STA. 18+675
STA. 18+830.998 TO STA. 19+010
STA. 21+263 TO STA. 22+357
STA. 22+591 TO STA. 23+002
STA. 24+350 TO STA. 24+563.36
STA. 29+220 TO STA. 29+311.891

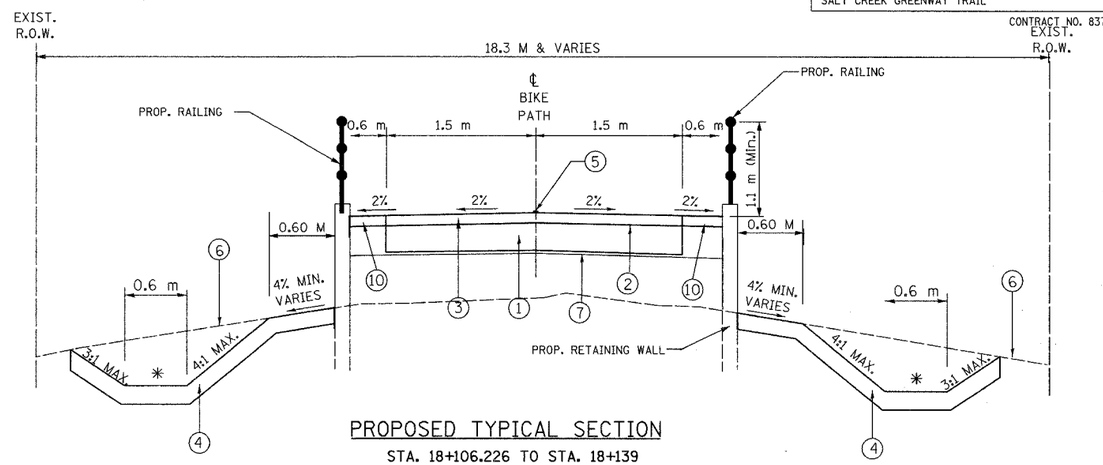
STA. 18+139 TO STA. 18+164 - PROPOSED BRIDGE
STA. 18+774 TO STA. 18+830.998 - PROPOSED BRIDGE
STA. 22+603.5 TO STA. 22+642 - PROPOSED BRIDGE
STA. 23+485.08 TO STA. 23+530.08 - PROPOSED BRIDGE

OMMISSIONS STA. 19+010 TO STA. 21+263 (ON-STREET & EXIST. TRAIL)
STA. 22+357 TO STA. 22+591 (EXIST. TRAIL)
STA. 23+002 TO STA. 23+200 (EXIST. TRAIL)
STA. 24+563.36 TO STA. 29+220 (EXIST. TRAIL & ON-STREET)



PROPOSED TYPICAL SECTION

STA. 18+696 TO STA. 18+727



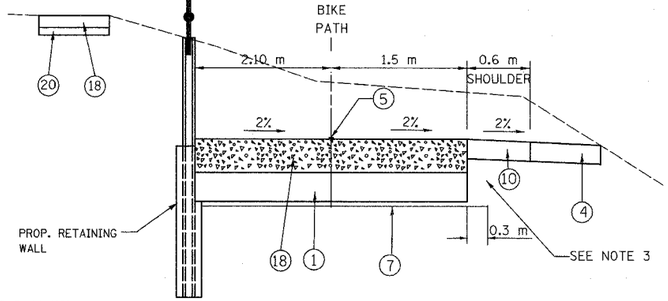
PROPOSED TYPICAL SECTION

STA. 18+106.226 TO STA. 18+139

* FOR SPECIAL DITCH DETAILS SEE CROSS SECTIONS

LEGEND:

(1) AGGREGATE BASE COURSE, TYPE B, 150 mm
(2) BITUMINOUS PRIME COAT
(3) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "C", N50, 50 mm
(4) 150 mm TOP SOIL AND SEEDING CLASS 4A
(5) PAINT PAVEMENT MARKING, 100 mm YELLOW
(6) EXISTING GROUND
(7) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
(10) 150 mm TOP SOIL AND SEEDING, CLASS 1 B
(15) 100 mm AGGREGATE SHOULDER, TYPE B
(18) PCC SIDEWALK 150 mm
(19) P.G.E. SUBGRADE 300 mm
(20) AGGREGATE BASE COURSE, TYPE B, 100 mm



PROPOSED TYPICAL SECTION

STA. 18+675 TO STA. 18+696
STA. 18+727 TO STA. 18+774

NOTE 1:
AT LOCATIONS OF UNSUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF UNSUITABLE MATERIAL TO A DEPTH 300 mm BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 300 mm OF POROUS GRANULAR EMBANKMENT SUBGRADE AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

NOTE 2:
THE CONTRACTOR SHALL CONSTRUCT THE PATH SO THAT THE CROSS SLOPE IS IN THE DIRECTION OF THE GROUND SLOPE WHERE SHEET FLOW ACROSS THE PATH WILL OCCUR. WHERE SHEET FLOW ACROSS THE PATH IS NOT A CONCERN DUE TO THE PRESENCE OF A SWALE ON THE UPSTREAM SIDE, THE CONTRACTOR SHALL SLOPE THE PATH OUT FROM THE CENTERLINE.

NOTE 3:
ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

NOTE 4:
AT ALL INTERSECTIONS BIKE PATH AND STREETS/DRIVEWAYS DEPRESS THE CURB (IF APPLICABLE) AND KEEP EXISTING PAVEMENT ELEVATIONS.

ITEM	AC TYPE	VOIDS	RAP %	USSAGE
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX. C, N50	PG 64-22	4% @ 50 GYR	15%	BIKE PATH SURFACE

DESIGNER USED UNIT WEIGHT 112 LBS/SQ YD/IN (2.39 KG/SM/MM) FOR CALCULATION PURPOSES

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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

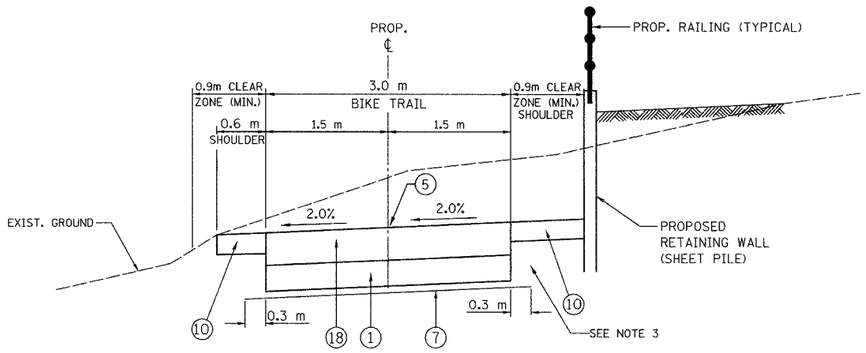
TYPICAL SECTIONS

REVISIONS		
NO.	NAME	DATE

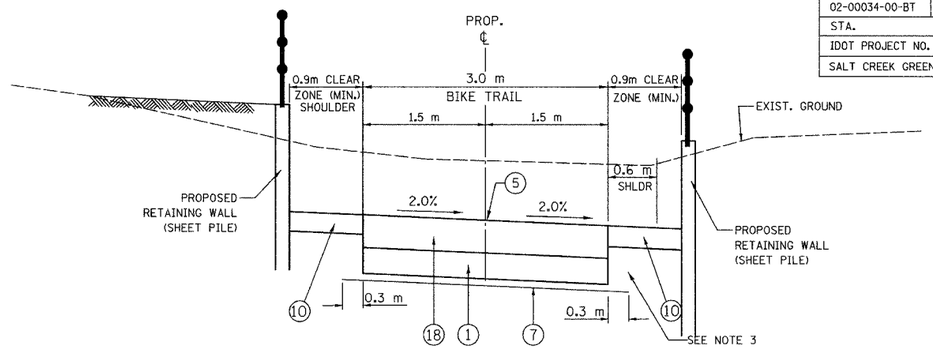
DATE: 7/20/05 DRAWN BY: MIA&VP
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	7
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

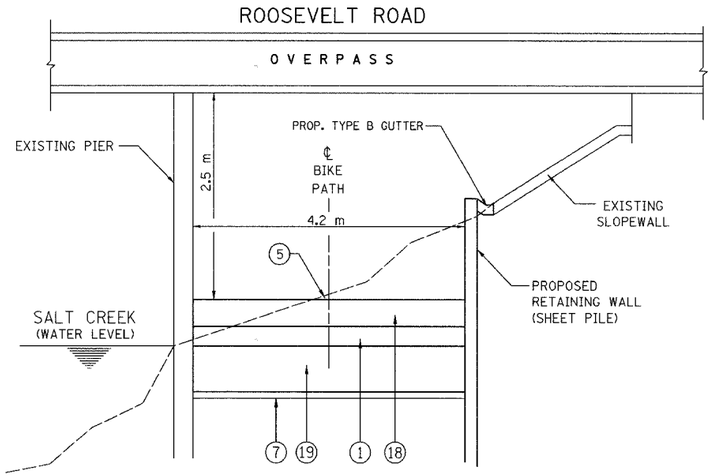
CONTRACT NO. 83714



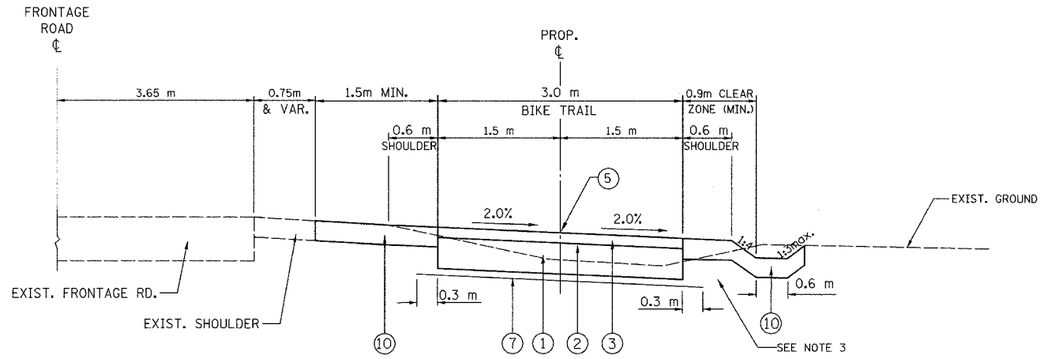
PROPOSED TYPICAL SECTION
STA. 23+200 TO STA. 23+290



PROPOSED TYPICAL SECTION
STA. 23+393 TO STA. 23+428.4



PROPOSED TYPICAL SECTION
STA. 23+290 TO STA. 23+393



PROPOSED TYPICAL SECTION
STA. 23+428.4 TO STA. 24+350

ITEM	AC TYPE	VOIDS	RAP %	USSAGE
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX. C, N50	PG 64-22	4% @ 50 GYR	15%	BIKE PATH SURFACE

DESIGNER USED UNIT WEIGHT 112 LBS/SQ YD/IN (2.39 KG/SM/MM) FOR CALCULATION PURPOSES

LEGEND:

1. AGGREGATE BASE COURSE, TYPE B, 150 mm
2. BITUMINOUS PRIME COAT
3. BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "C", N50, 50 mm
4. 150 mm TOP SOIL AND SEEDING CLASS 4A
5. PAINT PAVEMENT MARKING, 100 mm YELLOW
6. EXISTING GROUND
7. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
10. 150 mm TOP SOIL AND SEEDING, CLASS 1 B
15. 100 mm AGGREGATE SHOULDER, TYPE B
18. PCC SIDEWALK 150 mm
19. P.G.E. SUBGRADE 300 mm

REVISIONS		
NO.	NAME	DATE

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ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

TYPICAL SECTIONS

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	8
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

TREE REMOVAL SCHEDULE

ELMHURST PARK DISTRICT

LOCATION			6 TO 15 UNITS DIAMETER	OVER 15 UNITS DIAMETER
STATION	OFFSET LT	OFFSET RT		
18+034.5		3.0	9	
18+072.4		2.3	13	
18+084.8	2.5		9	
18+085.0		2.9	9	
18+100.5		3.0	6	
18+105.2	0.8		6	
18+110.0	3.3		7	
18+115.0	2.3		6	
18+116.5	1.2		6	
18+120.8		4.0	6	
18+130.6		1.0	6	
18+133.0	1.4		7	
18+140.5	1.0			19
18+141.2		3.0	7	
18+165.6	0.3		6	
18+167.1	0.4		10	
18+167.1		3.5	11	
18+171.4		1.7	9	
18+171.4		1.1	9	
18+174.5	0.6		9	
18+176.0		1.1	10	
18+177.7		3.1	13	
18+573.0	1.3		11	
18+574.7		3.1	8	
18+585.9		3.9	7	
18+593.0		2.7	7	
18+593.0		3.6	10	
18+612.8	3.8		10	
18+615.7		2.0	10	
18+618.5	1.6		6	
18+636.0	1.1		9	
18+637.5		2.2	7	
18+680.3		3.3	9	
18+682.6	2.8		7	
18+691.4		0.7	8	
18+694.0	1.8		6	
18+695.5	0.7		7	
18+695.5		0.7	7	
18+699.1	1.4		6	
18+727.1	0.6		6	
18+785.9		2.6	7	
18+786.3		1.8	8	
18+794.0	3.2		6	
21+394.0	2.4		9	
21+395.3	4.0		11	
21+400.0	0.9		13	
21+403.0	2.5			16
21+412.0	2.0		8	
21+434.0	3.1		11	
21+439.6	1.6		8	
21+450.8		2.1		22
21+470.0	1.6		6	
21+502.5	2.2		11	
21+505.1	2.0			36
21+536.0		1.1	10	
21+545.3		2.1	14	
21+549.5		0.7	9	
22+280.0	4.6			25
22+280.6	4.2		6	
22+323.7		1.9	6	
22+325.3		2.5	6	
SUBTOTAL			465	118
22+830.9	1.5		10	
22+876.7	0.0			15
22+887.0	0.1	2.9	13	
SUBTOTAL			23	15
23+245.8		1.0	15	
23+254.3	2.7		7	
23+258.8	2.4		8	
23+262.4	2.6		7	
23+281.7		2.9	7	
23+285.1		5.2	15	
23+288.2		4.1	7	
23+288.5		2.4	9	
23+290.1		3.2	12	
TOTAL			575	133

OAKBROOK

LOCATION			6 TO 15 UNITS DIAMETER	OVER 15 UNITS DIAMETER
STATION	OFFSET LT	OFFSET RT		
23+356.3		1.0	6	
23+398.2	1.4		13	
23+403.6	1.3		11	
23+407.4	1.3		6	
23+410.2	1.4		7	
23+594.2		1.3	6	
23+934.9		2.5	14	
23+939.1		2.1	7	
23+960.4		3.4	9	
23+964.6		4.3	11	
24+203.4		4.1	6	
29+252.8	2.7			17
29+255.5		2.0	9	
29+258.5	0.8		8	
29+264.3		1.4	7	
29+267.5		2.6	10	
29+272.2	3.1		10	
29+283.3		2.6	10	
29+281.5	3.0		18	
29+281.5	3.2			16
29+282.2	3.0		10	
29+282.4	3.0		8	
29+285.0	3.3			20
29+285.0	3.9			18
29+285.1	3.2		12	
29+285.2	3.9		10	
29+293.1	4.4		9	
29+293.1	4.4		10	
29+293.6		3.0	12	
29+293.7		3.0	9	
29+296.5		2.5	13	
29+296.5		2.6	12	
29+298.0		1.4	8	
29+298.1		1.6	9	
29+300.6		2.1	14	
29+300.6		2.2	12	
TOTAL			315	70

DUPAGE FOREST PRESERVE

LOCATION			6 TO 15 UNITS DIAMETER	OVER 15 UNITS DIAMETER
STATION	OFFSET LT	OFFSET RT		
24+377.3		1.2	7	
24+379.4	1.3		6	
24+379.9		2.1	11	
24+383.0	1.8		6	
24+384.7		1.9	6	
24+388.6	0.9		13	
24+389.9		2.2	15	
24+396.2		2.1	9	
24+470.8	0.2		13	
24+472.9	1.3			28
24+480.6		0.2		31
24+491.0		1		21
24+497.4	1.3		15	
TOTAL			102	80

EARTHWORK SCHEDULE

LOCATION	SUITABLE EXCAVATION (EARTH EXCAVATION)	EARTH EX. ADJUSTED FOR SHRINKAGE (25%)	SUITABLE EMBANKMENT	EARTHWORK BALANMCE WASTE (+) OR SHORTAGE (-) (FURNISHED EXCAVATION)	UNSUITABLE EXCAVATION (REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL)	UNSUITABLE EMBANKMENT	TOPSOIL FURNISH & PLACE 150MM	UNSUITABLE BALANCE WASTE (+) OR SHORTAGE (-)
	CU M	CU M	CU M	CU M	CU M	CU M	CU M	CU M
STA. 17+992 TO 18+831	895	671	916	-245	1595	0	623	+972
STA. 18+831 TO 19+010	3	2	286	-284	259	0	101	+158
STA. 21+263 TO 22+357	4848	3636	2186	1450	5571	0	2173	+3398
STA. 22+675 TO 23+003	3	2	468	-466	459	0	165	+294
STA. 23+200 TO 23+334.75	177	133	49	84	176	0	70	+106
STA. 23+334.75 TO 24+335	499	374	928	-554	1673	0	760	+913
STA. 24+335 TO 24+563.4	10	8	351	-343	366	0	124	+242
STA. 29+220 TO 29+311.9	13	10	48	-38	164	0	70	+94
TOTAL	6448	4836	5232	-396	10263	0	4086	+6177

REVISIONS

NO.	NAME	DATE

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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

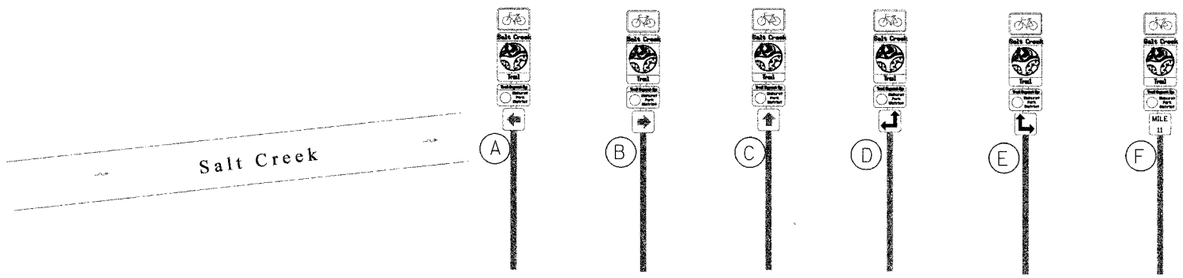
TREE REMOVAL SCHEDULE
EARTHWORK SCHEDULE

DATE: 7/20/05 DRAWN BY: MIA&VP

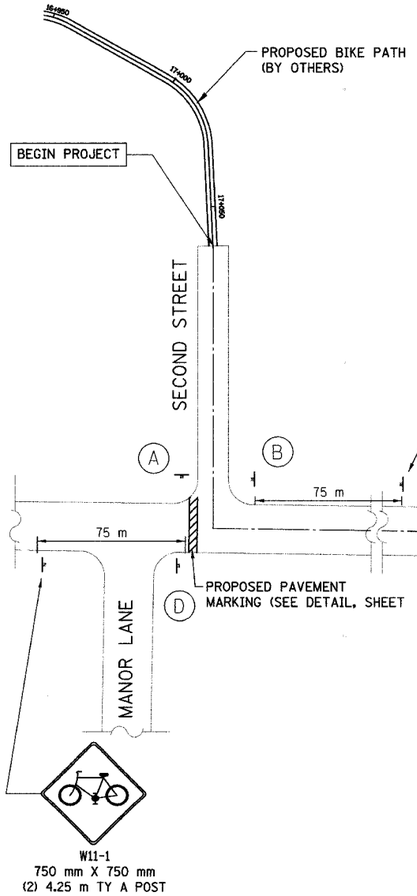
DESIGNED BY: MIA CHECKED BY: DDL

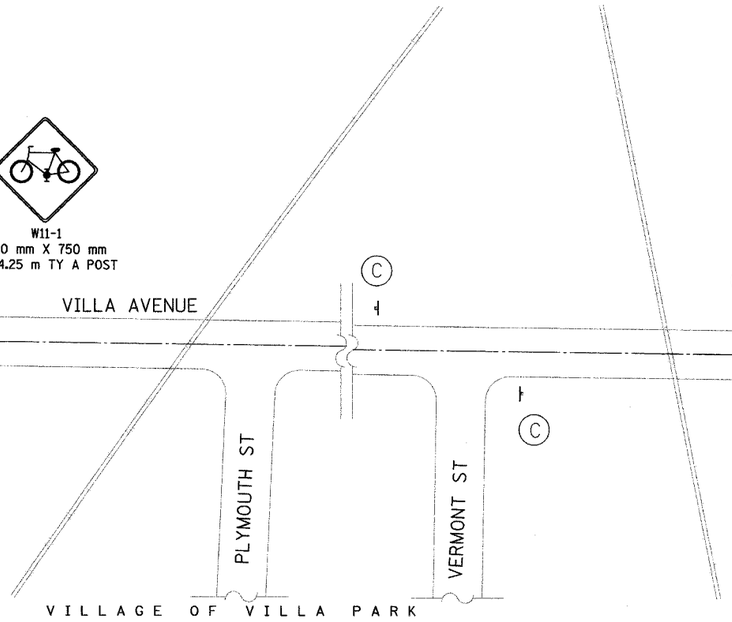
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	9
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

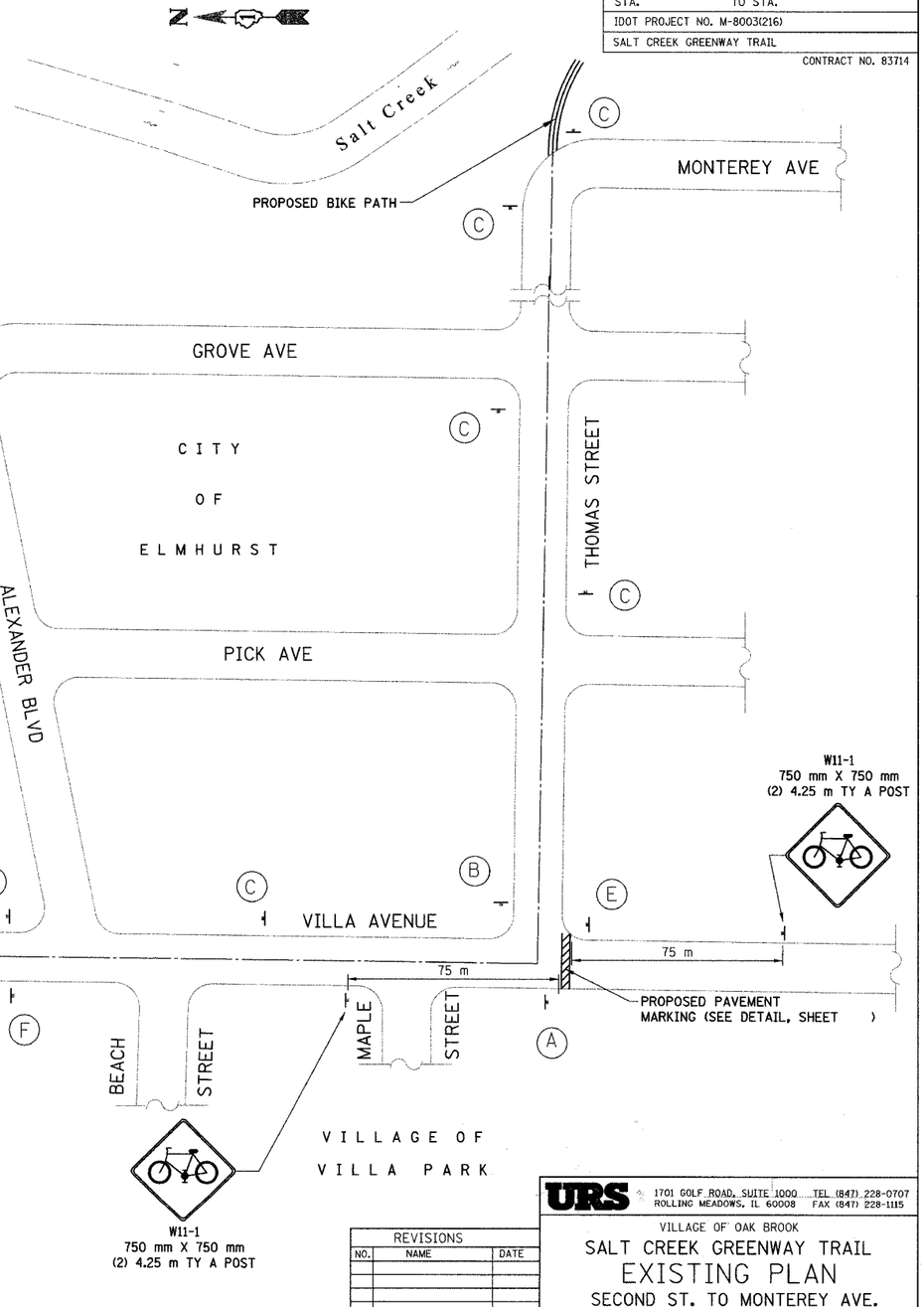
CONTRACT NO. 83714



SIGN PANELS, TYPE 1
WITH ALUMINUM SIGN
POST, SPECIAL
(SEE DETAIL)







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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
EXISTING PLAN
SECOND ST. TO MONTEREY AVE.

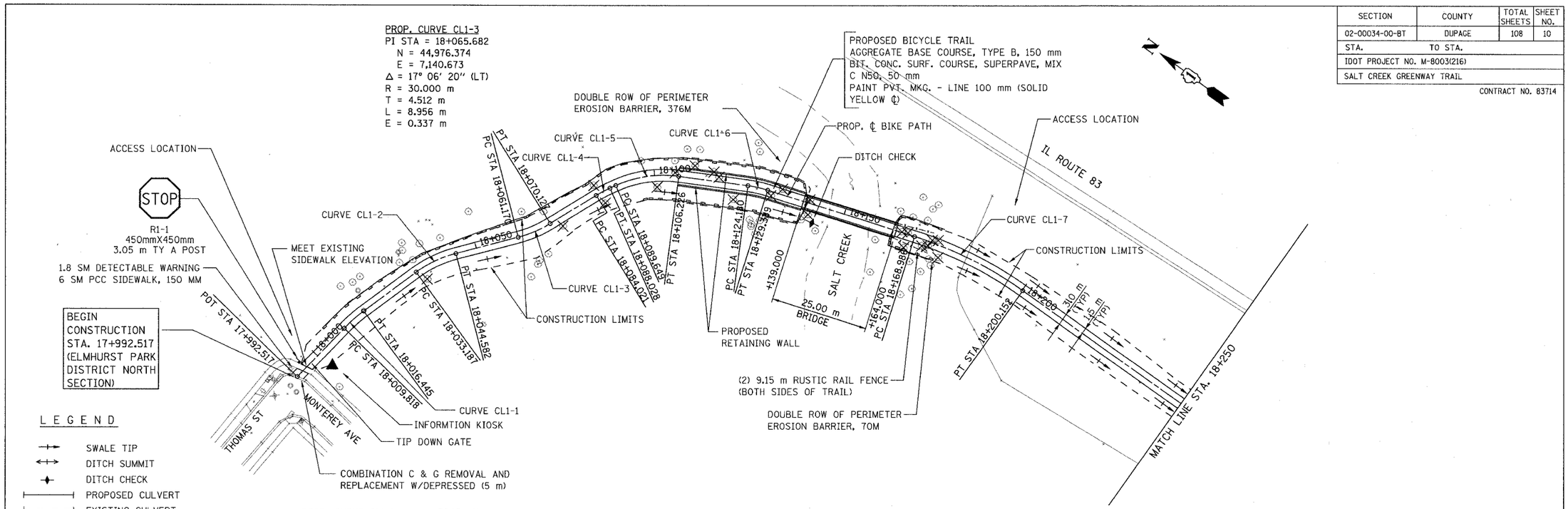
REVISIONS		
NO.	NAME	DATE

DATE: 7/20/05 DRAWN BY: VAP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	10
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714



PROP. CURVE CL1-1
PI STA = 18+013.139
N = 45,001.065
E = 7,095.193
Δ = 9° 29' 36" (RT)
R = 40.000 m
T = 3.321 m
L = 6.628 m
E = 0.138 m

PROP. CURVE CL1-2
PI STA = 18+038.954
N = 44,993.341
E = 7,119.841
Δ = 21° 45' 46" (RT)
R = 30.000 m
T = 5.767 m
L = 11.395 m
E = 0.549 m

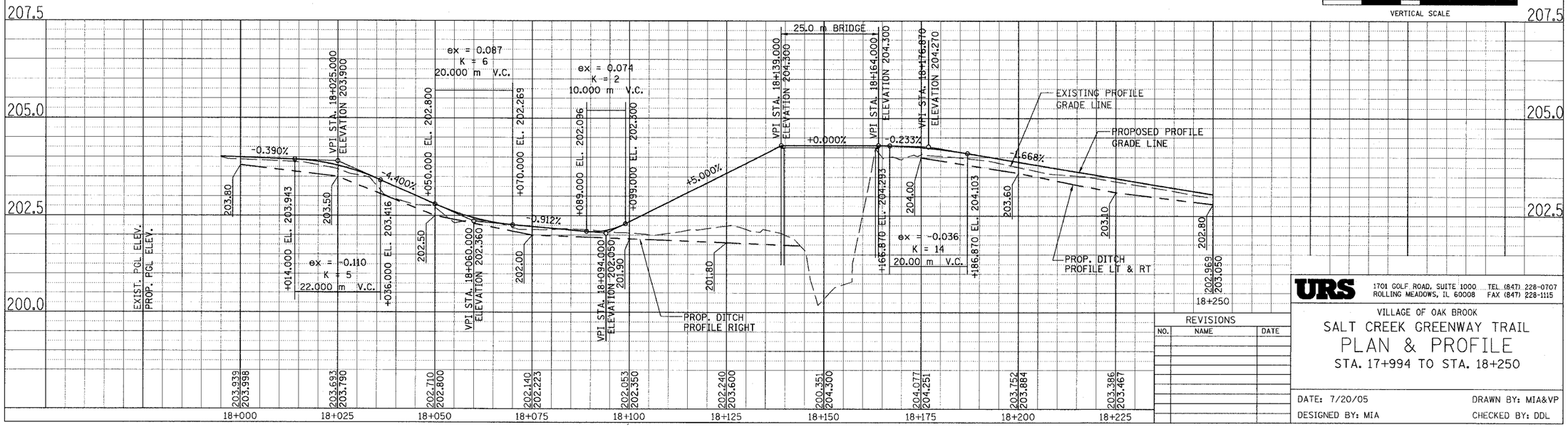
PROP. CURVE CL1-4
PI STA = 18+086.028
N = 44,968.708
E = 7,159.592
Δ = 7° 39' 12" (RT)
R = 30.000 m
T = 2.007 m
L = 4.007 m
E = 0.067 m

PROP. CURVE CL1-5
PI STA = 18+098.155
N = 44,962.695
E = 7,170.130
Δ = 31° 39' 35" (RT)
R = 30.000 m
T = 8.506 m
L = 16.577 m
E = 1.183 m

PROP. CURVE CL1-6
PI STA = 18+126.791
N = 44,937.178
E = 7,184.060
Δ = 9° 56' 49" (RT)
R = 30.000 m
T = 2.611 m
L = 5.208 m
E = 0.113 m

PROP. CURVE CL1-7
PI STA = 18+184.696
N = 44,882.312
E = 7,202.613
Δ = 17° 51' 26" (RT)
R = 100.000 m
T = 15.711 m
L = 31.167 m
E = 1.227 m

0 25 50 METERS
HORIZONTAL SCALE
0 1 2 2.5 5 METERS
VERTICAL SCALE



REVISIONS		
NO.	NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000 TEL (847) 228-0707
ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 17+994 TO STA. 18+250

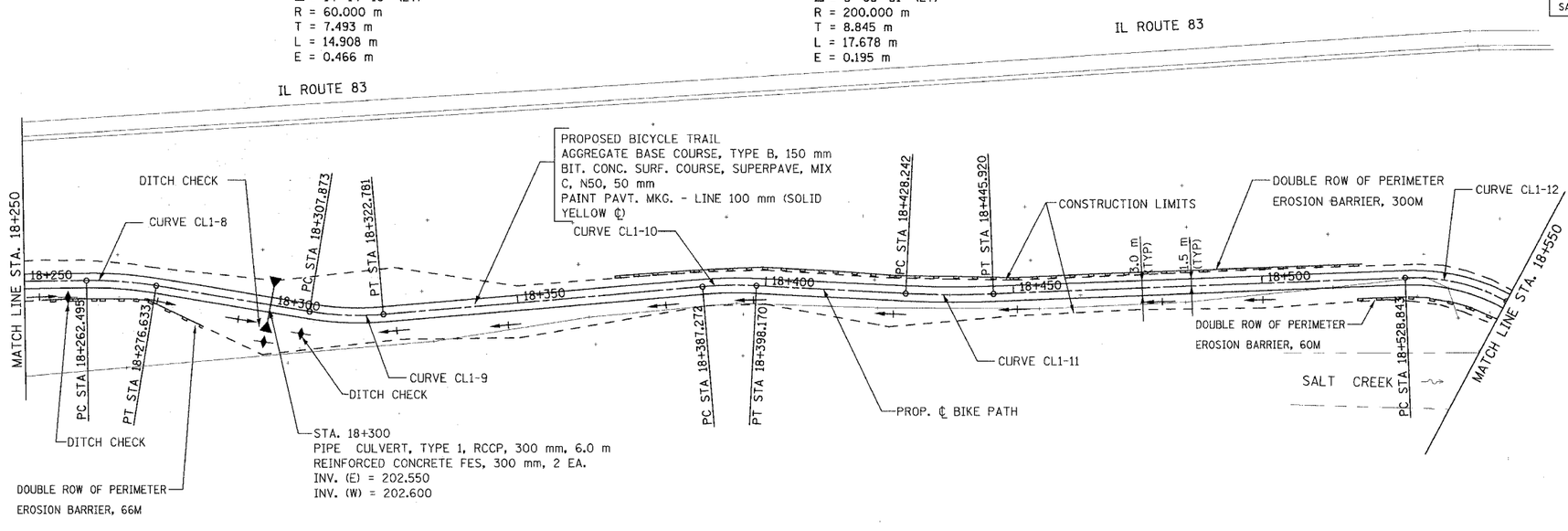
DATE: 7/20/05 DRAWN BY: MIA&VP
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	11
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

PROP. CURVE CL1-9
PI STA = 18+315.365
N = 44,751.962
E = 7,196.437
Δ = 14° 14′ 10″ (LT)
R = 60.000 m
T = 7.493 m
L = 14.908 m
E = 0.466 m

PROP. CURVE CL1-11
PI STA = 18+437.087
N = 44,630.489
E = 7,200.882
Δ = 5° 03′ 51″ (LT)
R = 200.000 m
T = 8.845 m
L = 17.678 m
E = 0.195 m



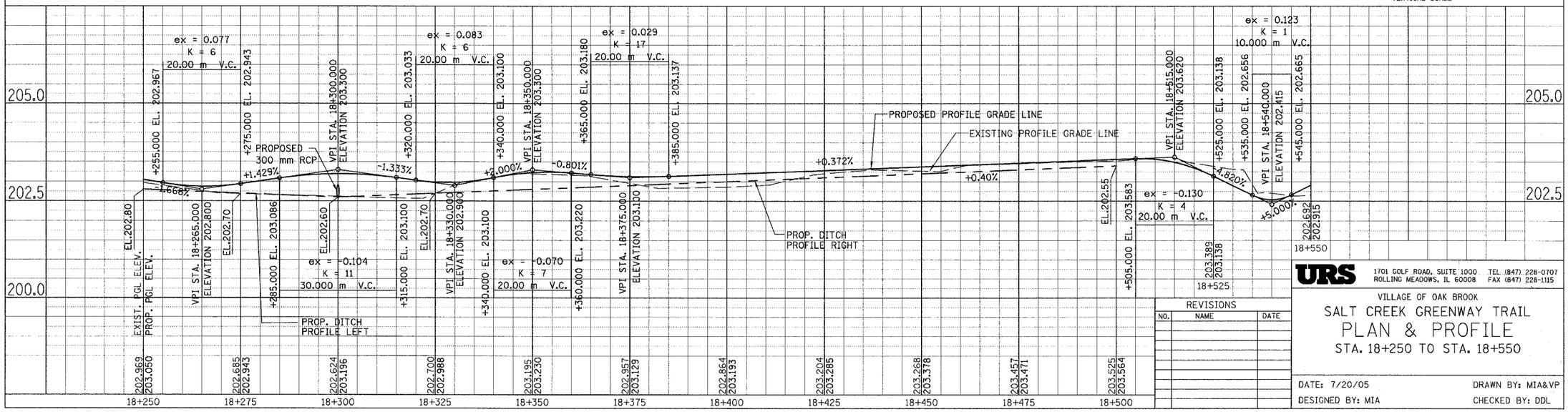
PROP. CURVE CL1-8
PI STA = 18+269.583
N = 44,797.180
E = 7,203.841
Δ = 10° 07′ 32″ (RT)
R = 80.000 m
T = 7.087 m
L = 14.138 m
E = 0.313 m

PROP. CURVE CL1-10
PI STA = 18+392.729
N = 44,674.808
E = 7,203.102
Δ = 7° 48′ 17″ (RT)
R = 80.000 m
T = 5.457 m
L = 10.898 m
E = 0.186 m

PROP. CURVE CL1-12
PI STA = 18+539.684
N = 44,527.957
E = 7,204.815
Δ = 30° 19′ 39″ (RT)
R = 40.000 m
T = 10.841 m
L = 21.173 m
E = 1.443 m

FOR LEGEND SEE SHEET NO. 10

0 25 50 METERS
HORIZONTAL SCALE
0 1 2 2.5 5 METERS
VERTICAL SCALE



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TEL (847) 228-0707
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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 18+250 TO STA. 18+550

REVISIONS

NO.	NAME	DATE

DATE: 7/20/05 DRAWN BY: MIA&VP
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	12
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

PROP. CURVE CL1-15
PI STA = 18+622.481
N = 44,478.553
E = 7,144.556
Δ = 26° 42′ 21″ (LT)
R = 30.000 m
T = 7.121 m
L = 13.983 m
E = 0.834 m

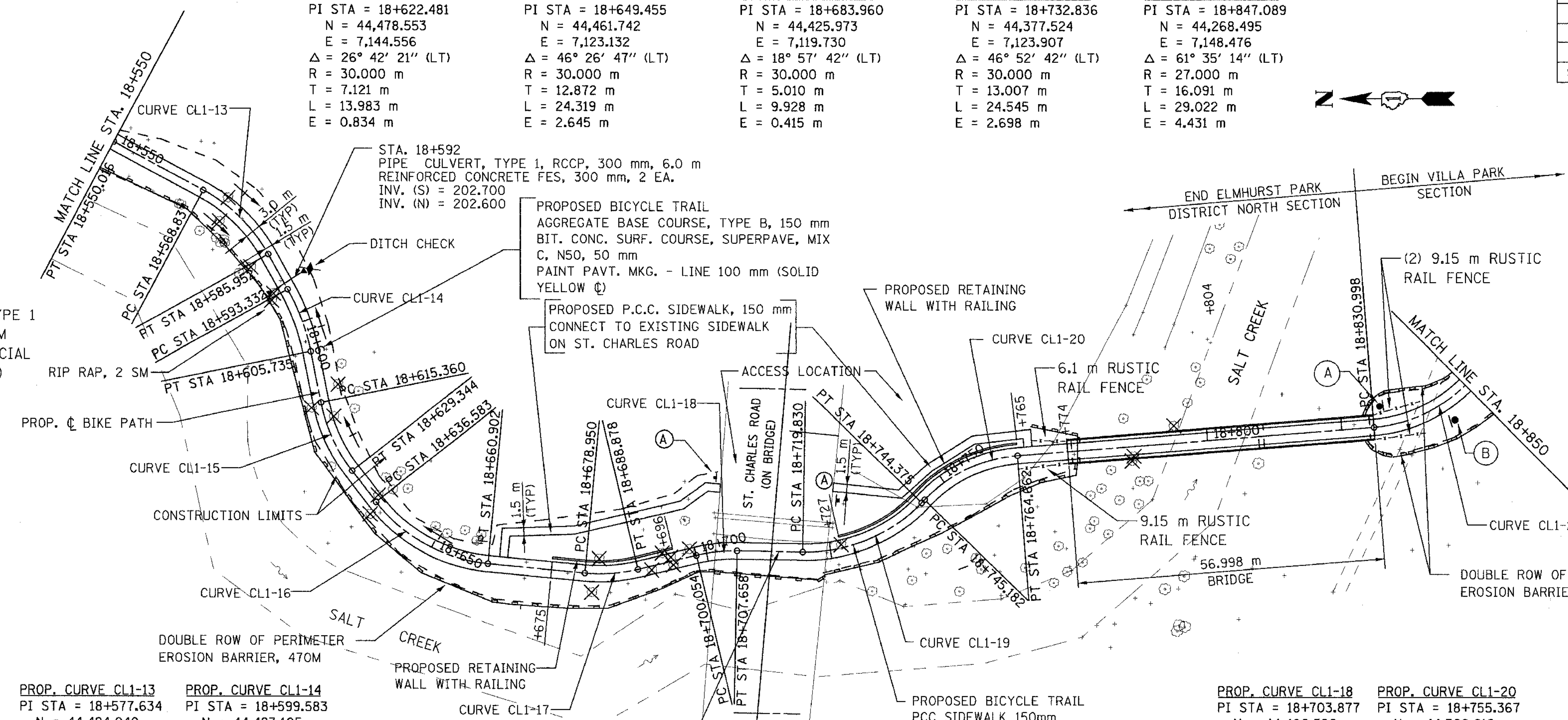
PROP. CURVE CL1-16
PI STA = 18+649.455
N = 44,461.742
E = 7,123.132
Δ = 46° 26′ 47″ (LT)
R = 30.000 m
T = 12.872 m
L = 24.319 m
E = 2.645 m

PROP. CURVE CL1-17
PI STA = 18+683.960
N = 44,425.973
E = 7,119.730
Δ = 18° 57′ 42″ (LT)
R = 30.000 m
T = 5.010 m
L = 9.928 m
E = 0.415 m

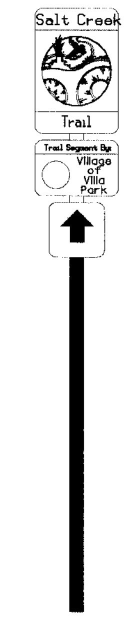
PROP. CURVE CL1-19
PI STA = 18+732.836
N = 44,377.524
E = 7,123.907
Δ = 46° 52′ 42″ (LT)
R = 30.000 m
T = 13.007 m
L = 24.545 m
E = 2.698 m

PROP. CURVE CL1-21
PI STA = 18+847.089
N = 44,268.495
E = 7,148.476
Δ = 61° 35′ 14″ (LT)
R = 27.000 m
T = 16.091 m
L = 29.022 m
E = 4.431 m

(A) SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)



MATCH LINE STA. 18+550
PT STA 18+550.046
CURVE CL1-13
STA. 18+592
PIPE CULVERT, TYPE 1, RCCP, 300 mm, 6.0 m
REINFORCED CONCRETE FES, 300 mm, 2 EA.
INV. (S) = 202.700
INV. (N) = 202.600
PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)
PROPOSED P.C.C. SIDEWALK, 150 mm
CONNECT TO EXISTING SIDEWALK ON ST. CHARLES ROAD
DITCH CHECK
CURVE CL1-14
RIP RAP, 2 SM
PROP. ℄ BIKE PATH
CURVE CL1-15
CONSTRUCTION LIMITS
CURVE CL1-16
DOUBLE ROW OF PERIMETER EROSION BARRIER, 470M
PROPOSED RETAINING WALL WITH RAILING
CURVE CL1-17
CURVE CL1-18
ACCESS LOCATION
ST. CHARLES ROAD (ON BRIDGE)
PROPOSED RETAINING WALL WITH RAILING
CURVE CL1-20
6.1 m RUSTIC RAIL FENCE
9.15 m RUSTIC RAIL FENCE
56.998 m BRIDGE
CURVE CL1-19
END ELMHURST PARK DISTRICT NORTH SECTION
BEGIN VILLA PARK SECTION
(2) 9.15 m RUSTIC RAIL FENCE
SALT CREEK
MATCH LINE STA. 18+850
CURVE CL1-21
DOUBLE ROW OF PERIMETER EROSION BARRIER, 100M
PC STA 18+568.837
PT STA 18+585.951
PC STA 18+593.332
PT STA 18+605.735
PC STA 18+615.360
PT STA 18+629.344
PC STA 18+636.583
PT STA 18+660.902
PC STA 18+678.950
PT STA 18+688.878
PC STA 18+700.054
PT STA 18+707.658
PC STA 18+719.830
PT STA 18+744.375
PC STA 18+745.182
PT STA 18+764.862
PC STA 18+830.998



(B) SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)

PROP. CURVE CL1-13
PI STA = 18+577.634
N = 44,494.040
E = 7,186.681
Δ = 32° 41′ 16″ (RT)
R = 30.000 m
T = 8.798 m
L = 17.115 m
E = 1.263 m

PROP. CURVE CL1-14
PI STA = 18+599.583
N = 44,483.105
E = 7,167.099
Δ = 17° 45′ 59″ (RT)
R = 40.000 m
T = 6.252 m
L = 12.403 m
E = 0.486 m

PROPOSED BICYCLE TRAIL
PCC SIDEWALK 150mm
AGGREGATE BASE COURSE, TYPE B, 150 mm
P.G.E. SUBGRADE, 300 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)
STA. 18+702 TO STA. 18+725

PROPOSED BICYCLE TRAIL
PCC SIDEWALK 150mm
AGGREGATE BASE COURSE, TYPE B, 150 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)
STA. 18+672.75 TO STA. 18+702 AND STA. 18+725 TO STA. 18+774

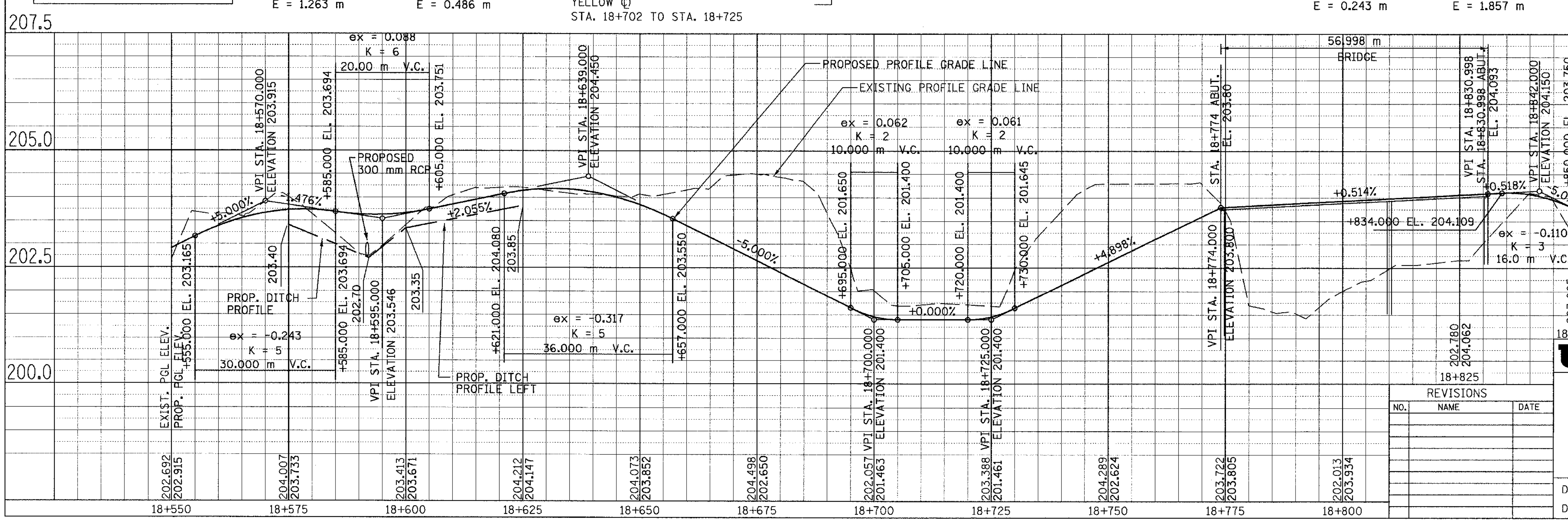
PROP. CURVE CL1-18
PI STA = 18+703.877
N = 44,406.520
E = 7,124.410
Δ = 14° 31′ 26″ (RT)
R = 30.000 m
T = 3.823 m
L = 7.605 m
E = 0.243 m

PROP. CURVE CL1-20
PI STA = 18+755.367
N = 44,360.818
E = 7,141.136
Δ = 41° 20′ 16″ (RT)
R = 27.000 m
T = 10.186 m
L = 19.480 m
E = 1.857 m

HORIZONTAL SCALE 0 – 25 – 50 METERS

VERTICAL SCALE 0 – 1 – 2 – 2.5 – 5 METERS

FOR LEGEND SEE SHEET NO. 10



207.5
205.0
202.5
200.0
PROPOSED PROFILE GRADE LINE
EXISTING PROFILE GRADE LINE
56.998 m BRIDGE
PROPOSED 300 mm RCP
PROP. DITCH PROFILE
PROP. DITCH PROFILE LEFT
EXIST. PGL ELEV.
PROP. PGL ELEV.
VPI STA. 18+570.000 ELEVATION 203.915
VPI STA. 18+595.000 ELEVATION 203.546
VPI STA. 18+639.000 ELEVATION 204.450
VPI STA. 18+700.000 ELEVATION 201.400
VPI STA. 18+725.000 ELEVATION 201.400
VPI STA. 18+842.000 ELEVATION 204.150
STA. 18+774.000 ELEVATION 203.800
+5.000%
-5.000%
+2.055%
+0.000%
+4.898%
+0.514%
+0.518%
-5.0%
ex = 0.088 K = 6 20.00 m V.C.
ex = -0.243 K = 5 30.000 m V.C.
ex = -0.317 K = 5 36.000 m V.C.
ex = 0.062 K = 2 10.000 m V.C.
ex = 0.061 K = 2 10.000 m V.C.
ex = -0.110 K = 3 16.0 m V.C.
+834.000 EL. 204.109
18+550
18+575
18+600
18+625
18+650
18+675
18+700
18+725
18+750
18+775
18+800
18+825
18+850

URS
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REVISIONS		
NO.	NAME	DATE

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

PLAN & PROFILE

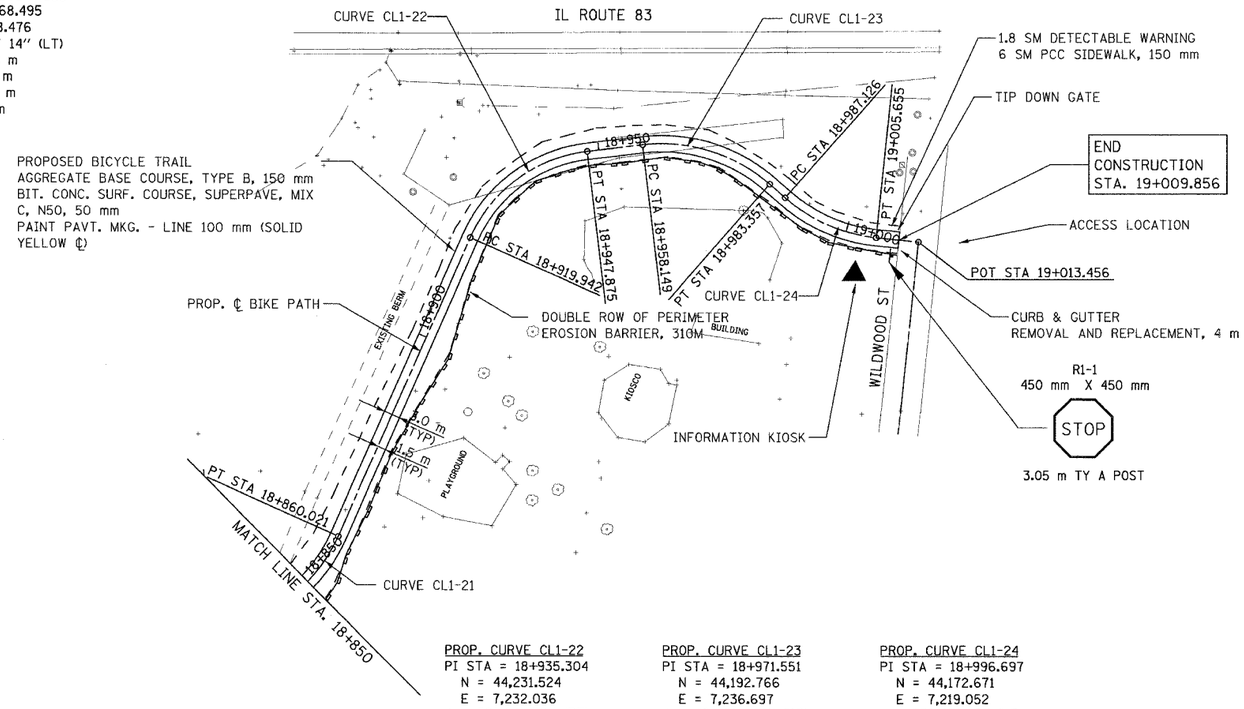
STA. 18+550 TO STA. 18+850

DATE: 7/20/05 DRAWN BY: MIA&VP
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	13
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

PROP. CURVE CL1-21
PI STA = 18+847.089
N = 44,268.495
E = 7,148.476
Δ = 61° 35′ 14″ (LT)
R = 27.000 m
T = 16.091 m
L = 29.022 m
E = 4.431 m



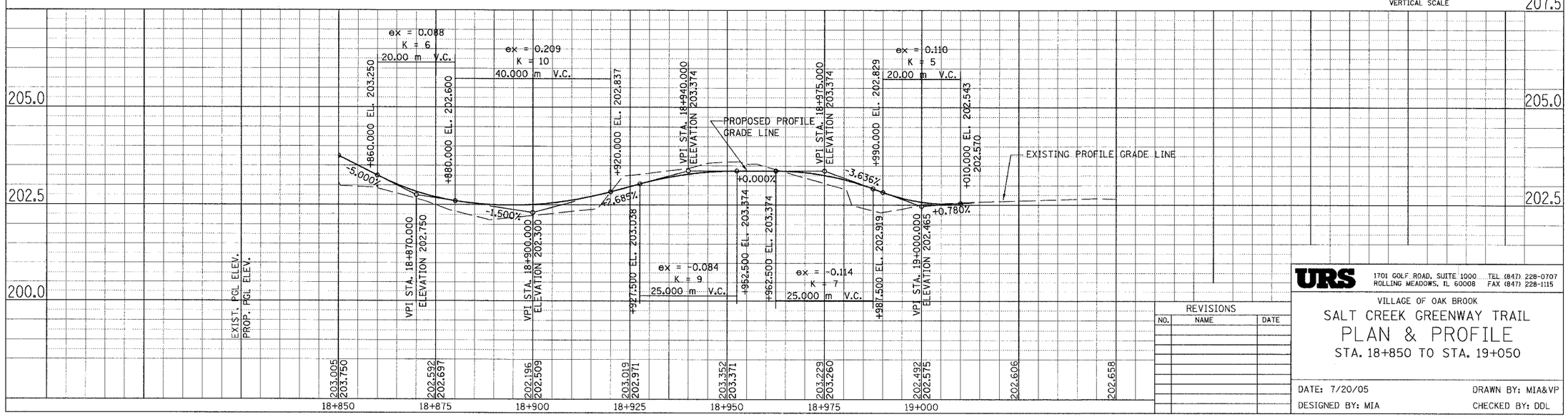
PROP. CURVE CL1-22
PI STA = 18+935.304
N = 44,231.524
E = 7,232.036
Δ = 59° 16′ 30″ (RT)
R = 27.000 m
T = 15.362 m
L = 27.933 m
E = 4.064 m

PROP. CURVE CL1-23
PI STA = 18+971.551
N = 44,192.766
E = 7,236.697
Δ = 48° 08′ 37″ (RT)
R = 30.000 m
T = 13.402 m
L = 25.208 m
E = 2.857 m

PROP. CURVE CL1-24
PI STA = 18+996.697
N = 44,172.671
E = 7,219.052
Δ = 35° 23′ 12″ (LT)
R = 30.000 m
T = 9.570 m
L = 18.528 m
E = 1.490 m

FOR LEGEND SEE SHEET NO. 10

HORIZONTAL SCALE 0 25 50 METERS
VERTICAL SCALE 0 1 2 2.5 5 METERS



REVISIONS		
NO.	NAME	DATE

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VILLAGE OF OAK BROOK
SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 18+850 TO STA. 19+050

DATE: 7/20/05
DESIGNED BY: MIA
DRAWN BY: MIA&VP
CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	14
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

CITY OF ELMHURST

BERKELY AVE

FAIRVIEW AVE

SUNNYSIDE AVE

REX BLVD

WEST AVE

OLIVE ST

SURF ST

RANDOLPH ST

EXISTING PRAIRIE PATH

MONTROSE AVE

VALLETTE ST

CRESCENT AVE

MCKINLEY AVE

WILSON ST

MADISON ST

PROPOSED BIKE PATH

PROPOSED BIKE PATH

INFORMATION KIOSK

REMOVE AND REPLACE CURB & GUTTER, 4 m

LIMESTONE SCREENING PATH, 50 mm WITH 150 mm AGGREGATE BASE CSE, TYPE B

EXISTING TRAIL

EXISTING BIKE PATH

END VILLA PARK SECTION

BEGIN ELMHURST PARK DISTRICT SECTION

Salt Creek

SCOTT ST

ILL ROUTE 83

83

FRONTAGE RD

WILDWOOD AVE

FAIRFIELD AVE

PARK BLVD

HIGHLAND AVE

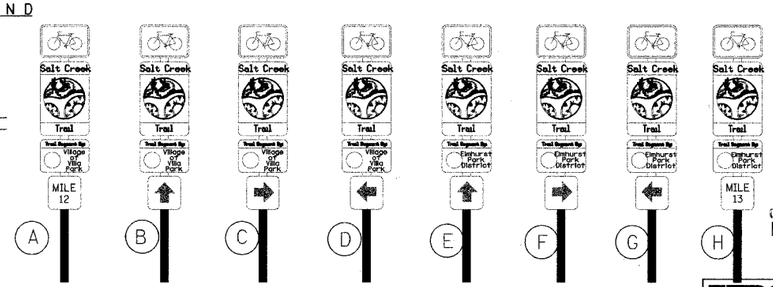
RIVERSIDE AVE

MONTEREY AVE

VILLAGE OF VILLA PARK

PROPOSED BIKE PATH

LEGEND



SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)

0 100 m 200 m

METRIC RATIO 1 : 2000

I STOP

R1-1

450 mm X 450 mm

3.05 m TYPE A POST

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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

PROPOSED ON-STREET ROUTE

REVISIONS		
NO.	NAME	DATE

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	15
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

BEGIN CONSTRUCTION STA. 21+263.000

MADISON ST.

FAIRVIEW AVE.

ACCESS LOCATION

1.8 SM DETECTABLE WARNING
6 SM PCC SIDEWALK, 150 mm

IDOT STA 21+263.000

REMOVE AND REPLACE CURB AND GUTTER, 4 m

TIP DOWN GATE

WETLAND SITE 24

PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)

RECONSTRUCT LEVEE TO PROVIDE CONTINUOUS TOP OF LEVEE ELEV. OF 203.6 (INCLUDED IN COST FOR EARTH EX. AND FURNISHED EX.)

21+360

PROP. ℄ BIKE PATH

PC STA 21+346.607

21+350

1.0 m TYP.

1.5 m TYP.

DITCH CHECK

21+400

PT STA 21+410.715

MATCH LINE STA. 21+500

PT STA 21+496.679

PC STA 21+481.356

PT STA 21+467.917

PC STA 21+460.618

CURVE CL2-4

CURVE CL2-2

SALT CREEK

21+450

PT STA 21+459.783

PC STA 21+448.793

CURVE CL2-3

DITCH CHECK

DOUBLE ROW OF PERIMETER EROSION BARRIER, 294M

GRADE OUTLET TO PROVIDE POSITIVE DRAINAGE TO CREEK. RIP RAP, 2 SM

STA. 21+445
PIPE CULVERT, TYPE 1, RCCP, 300 mm, 6.0 m
REINFORCED CONCRETE FES, 300 mm, 2 EA.
INV. (E) = 200.40
INV. (W) = 200.30

RESTORE EXISTING WOOD CHIP TRAIL TO PROVIDE CONNECTION (INCIDENTAL TO EARTH EXCAVATION)

CURVE CL2-1

EXISTING WOOD CHIP TRAIL

PROP. CURVE CL2-1
PI STA = 21+401.350
N = 42,734.785
E = 7,482.362
Δ = 122° 33′ 12″ (LT)
R = 30.000 m
T = 54.743 m
L = 64.169 m
E = 32.424 m

PROP. CURVE CL2-2
PI STA = 21+453.835
N = 42,648.446
E = 7,528.306
Δ = 19° 04′ 49″ (RT)
R = 30.000 m
T = 5.042 m
L = 9.990 m
E = 0.421 m

PROP. CURVE CL2-3
PI STA = 21+464.285
N = 42,638.030
E = 7,529.945
Δ = 13° 56′ 23″ (LT)
R = 30.000 m
T = 3.668 m
L = 7.299 m
E = 0.223 m

PROP. CURVE CL2-4
PI STA = 21+489.188
N = 42,615.053
E = 7,539.640
Δ = 29° 15′ 58″ (LT)
R = 30.000 m
T = 7.833 m
L = 15.324 m
E = 1.006 m

LEGEND

- SWALE TIP
- DITCH SUMMIT
- DITCH CHECK
- PROPOSED CULVERT
- EXISTING CULVERT
- EXISTING MANHOLE
- EXISTING FENCE
- FLARED END SECTION
- INLET AND PIPE PROTECTION
- TREE REMOVAL
- PERIMETER EROSION BARRIER

0 25 50 METERS
HORIZONTAL SCALE

0 1 2 2.5 5 METERS
VERTICAL SCALE

205.0
202.5
200.0

201.700

+4.999%

+292.750 EL. 203.187

VPI STA. 21+311.250
ELEVATION 204.112

+329.750 EL. 203.188

-4.997%

ex = -0.462
K = 4
37.000 m V.C.

+341.000 EL. 202.625

ex = 0.005
K = 6
5.000 m V.C.

+343.500
202.500

+346.000 EL. 202.397

-4.129%

+350
202.0

-4.8%

+370.000 EL. 201.406

ex = 0.048
K = 3
10.000 m V.C.

+375
200.8

VPI STA. 21+375.000
ELEVATION 201.200

+380.000 EL. 201.184

PROPOSED PROFILE GRADE LINE

EXISTING PROFILE GRADE LINE

-0.311%

-0.4%

PROPOSED LEFT DITCH PROFILE

PROPOSED 300 mm RCP

+445
200.40

+445.000 EL. 200.983

ex = 0.006
K = 23
10.000 m V.C.

+450.000
200.967

VPI STA. 21+450.000
ELEVATION 200.967

+455.000 EL. 200.974

+0.133%

+0.4%

VPI STA. 21+495.000
ELEVATION 201.027

+483.000 EL. 201.011

ex = -0.054
K = 13
24 m V.C.

+500
200.7

	21+275	21+300	21+325	21+350	21+375	21+400	21+425	21+450	21+475	21+500
EXIST. PG. ELEV.	202.536	202.548	202.381	202.423	200.870	201.220	201.103	200.976	200.989	201.015
PROP. PGL ELEV.	202.300	203.479	203.394	202.232	201.248	201.122	201.045	200.973	201.000	200.925

REVISIONS

NO.	NAME	DATE

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ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 21+263 TO STA. 21+500

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	16
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

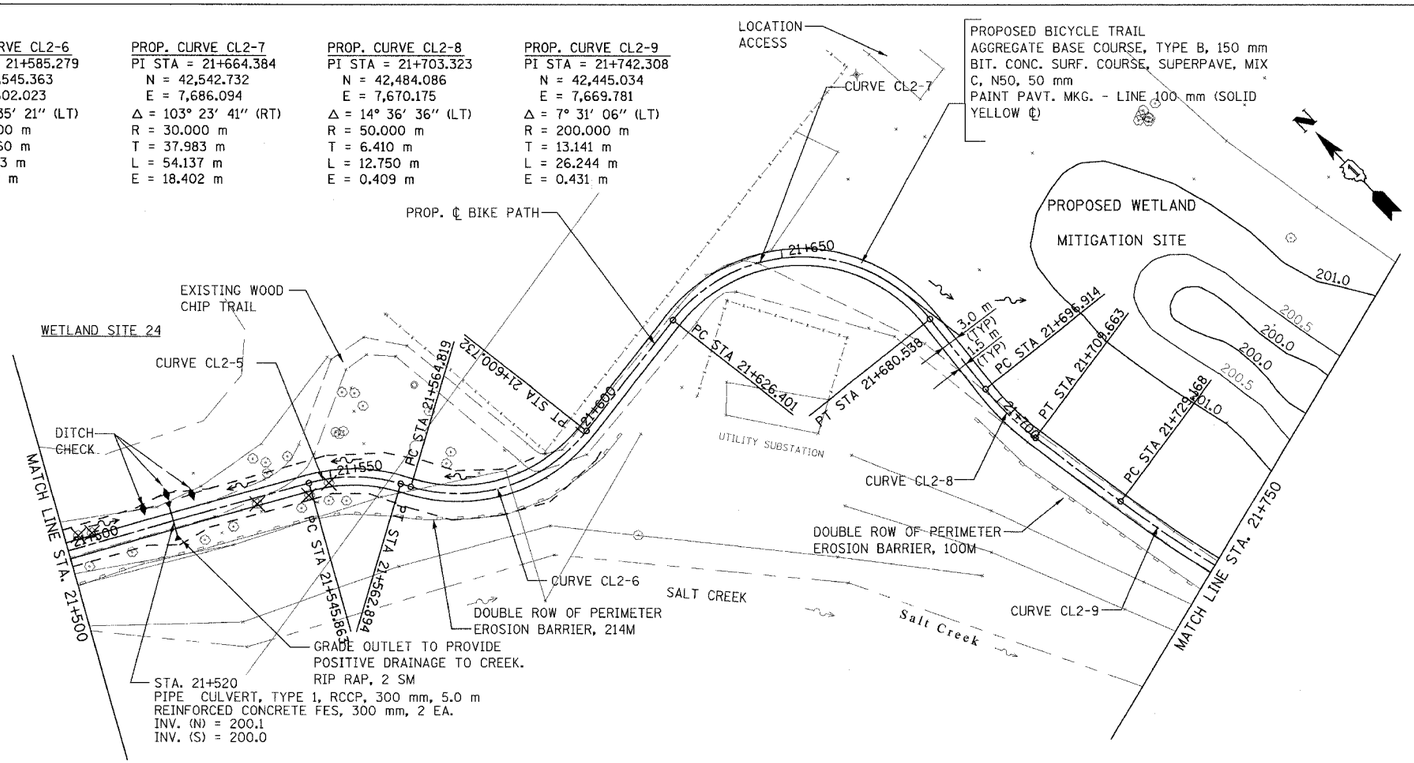
PROP. CURVE CL2-5
PI STA = 21+554.615
N = 42,574.692
E = 7,591.569
Δ = 32° 31′ 35″ (RT)
R = 30.000 m
T = 8.752 m
L = 17.031 m
E = 1.250 m

PROP. CURVE CL2-6
PI STA = 21+585.279
N = 42,545.363
E = 7,602.023
Δ = 68° 35′ 21″ (LT)
R = 30.000 m
T = 20.460 m
L = 35.913 m
E = 6.313 m

PROP. CURVE CL2-7
PI STA = 21+664.384
N = 42,542.732
E = 7,686.094
Δ = 103° 23′ 41″ (RT)
R = 30.000 m
T = 37.983 m
L = 54.137 m
E = 18.402 m

PROP. CURVE CL2-8
PI STA = 21+703.323
N = 42,484.086
E = 7,670.175
Δ = 14° 36′ 36″ (LT)
R = 50.000 m
T = 6.410 m
L = 12.750 m
E = 0.409 m

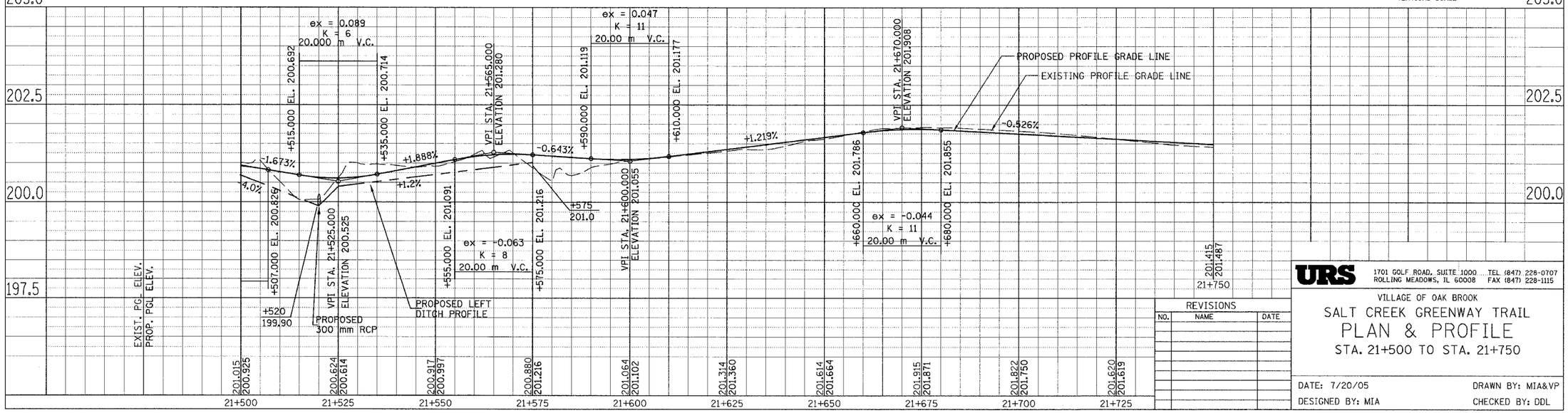
PROP. CURVE CL2-9
PI STA = 21+742.308
N = 42,445.034
E = 7,669.781
Δ = 7° 31′ 06″ (LT)
R = 200.000 m
T = 13.141 m
L = 26.244 m
E = 0.431 m



FOR LEGEND SEE SHEET NO. 15

0 25 50 METERS
HORIZONTAL SCALE

0 1 2 2.5 5 METERS
VERTICAL SCALE



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ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

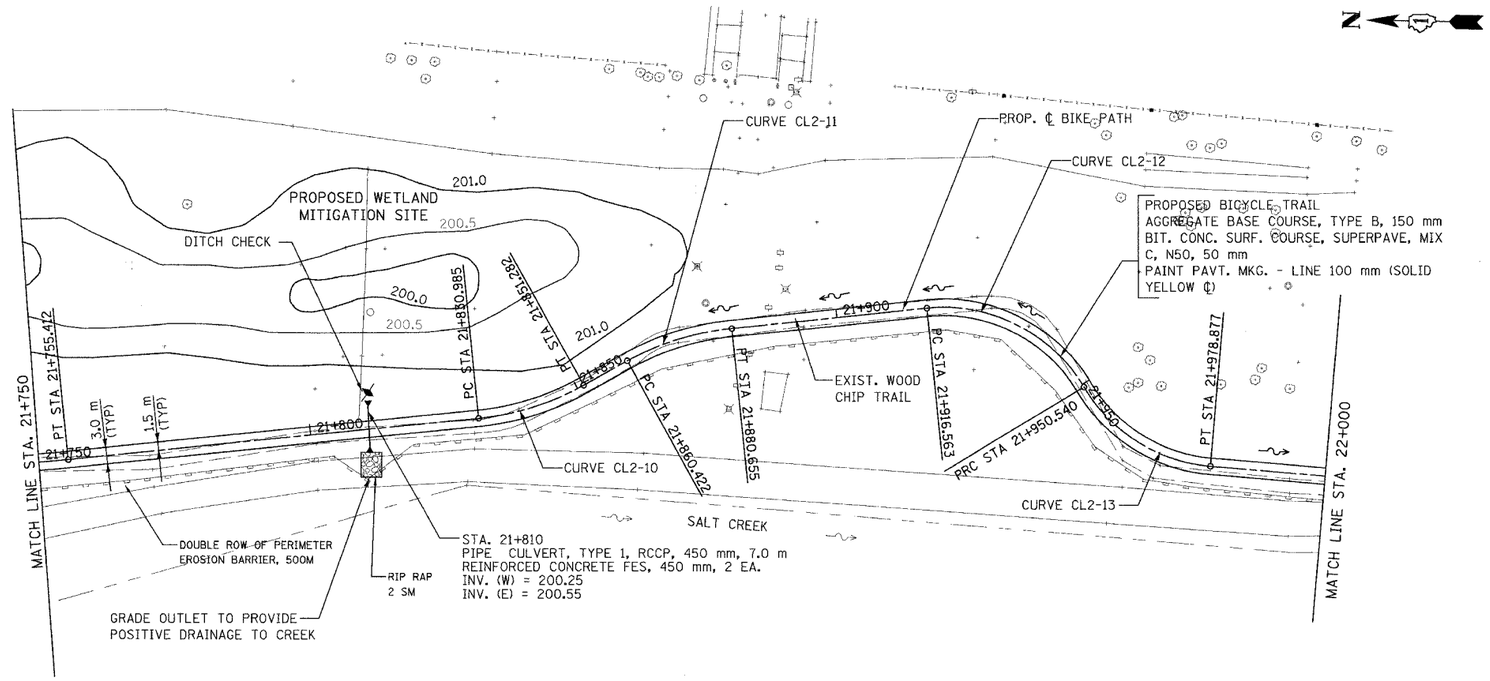
REVISIONS		
NO.	NAME	DATE

VILLAGE OF OAK BROOK
SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 21+500 TO STA. 21+750

DATE: 7/20/05 DRAWN BY: MIA&VP
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	17
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714



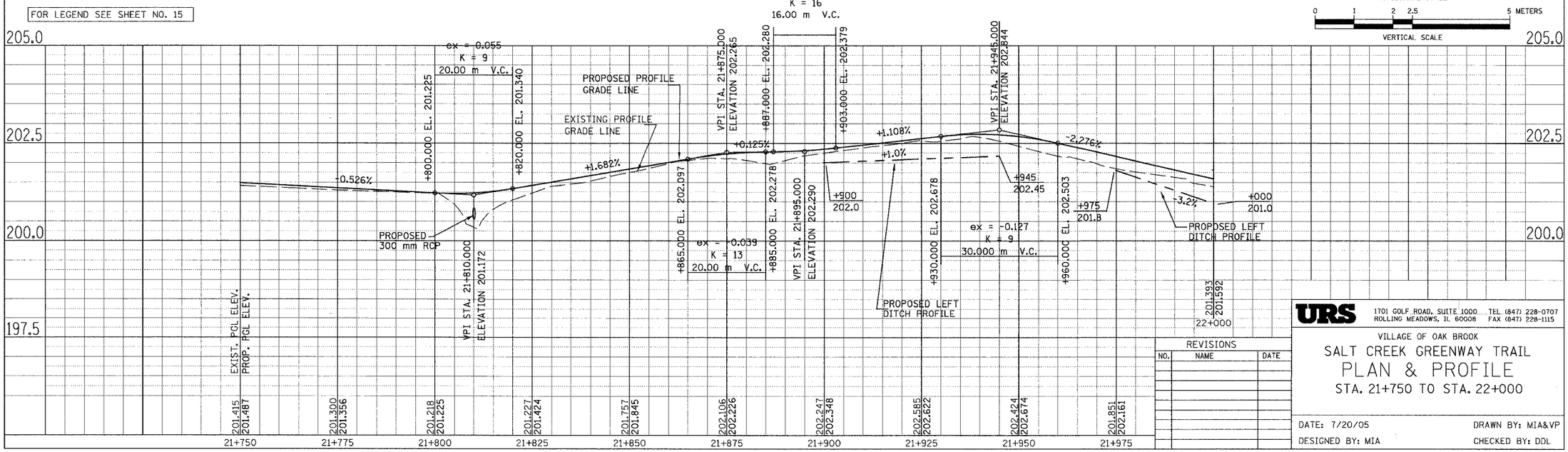
PROP. CURVE CL2-10
PI STA = 21+841.275
N = 42,346.754
E = 7,681.745
Δ = 23° 15′ 34″ (LT)
R = 50.000 m
T = 10.291 m
L = 20.298 m
E = 1.048 m

PROP. CURVE CL2-11
PI STA = 21+870.679
N = 42,321.097
E = 7,696.679
Δ = 23° 11′ 05″ (RT)
R = 50.000 m
T = 10.257 m
L = 20.233 m
E = 1.041 m

PROP. CURVE CL2-12
PI STA = 21+935.635
N = 42,256.348
E = 7,704.647
Δ = 64° 53′ 29″ (RT)
R = 30.000 m
T = 19.072 m
L = 33.977 m
E = 5.549 m

PROP. CURVE CL2-13
PI STA = 21+965.865
N = 42,238.057
E = 7,675.516
Δ = 54° 07′ 05″ (LT)
R = 30.000 m
T = 15.325 m
L = 28.336 m
E = 3.687 m

FOR LEGEND SEE SHEET NO. 15



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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 21+750 TO STA. 22+000

REVISIONS		
NO.	NAME	DATE

DATE: 7/20/05 DRAWN BY: MIA&VP
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	18
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

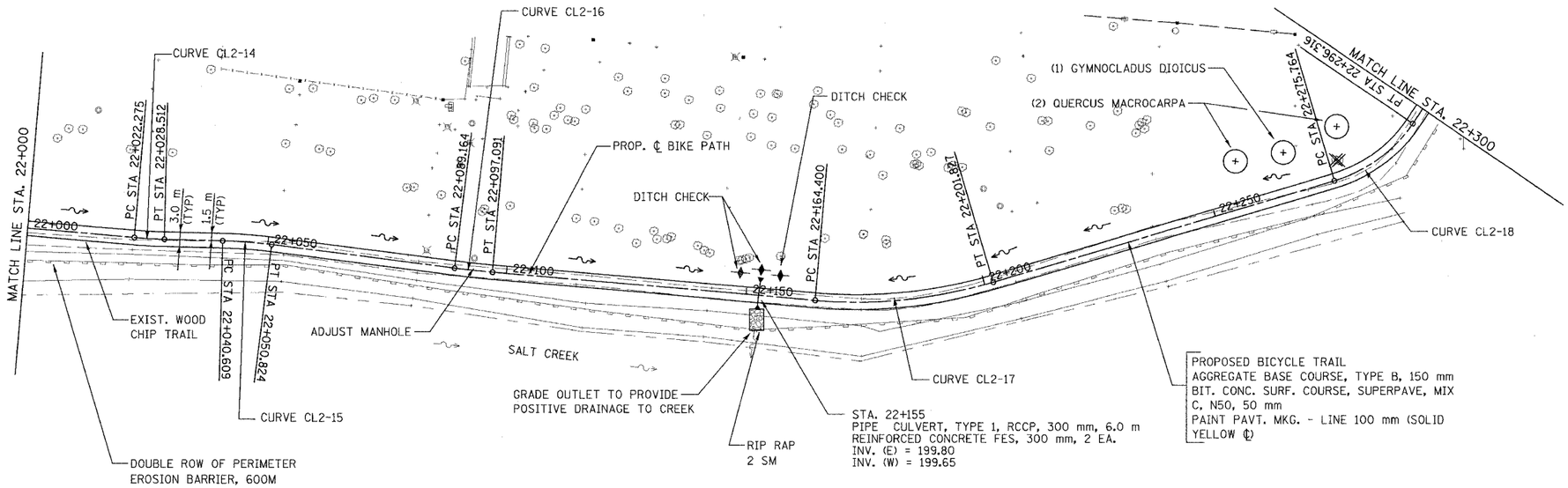
PROP. CURVE CL2-14
PI STA = 22+025.394
N = 42,176.348
E = 7,671.463
Δ = 3° 34′ 24″ (LT)
R = 100.000 m
T = 3.119 m
L = 6.237 m
E = 0.049 m

PROP. CURVE CL2-15
PI STA = 22+045.721
N = 42,156.019
E = 7,671.398
Δ = 5° 51′ 12″ (RT)
R = 100.000 m
T = 5.112 m
L = 10.216 m
E = 0.131 m

PROP. CURVE CL2-16
PI STA = 22+093.128
N = 42,108.866
E = 7,666.411
Δ = 2° 16′ 16″ (LT)
R = 200.000 m
T = 3.964 m
L = 7.927 m
E = 0.039 m

PROP. CURVE CL2-17
PI STA = 22+183.335
N = 42,018.853
E = 7,660.484
Δ = 21° 26′ 37″ (LT)
R = 100.000 m
T = 18.935 m
L = 37.426 m
E = 1.777 m

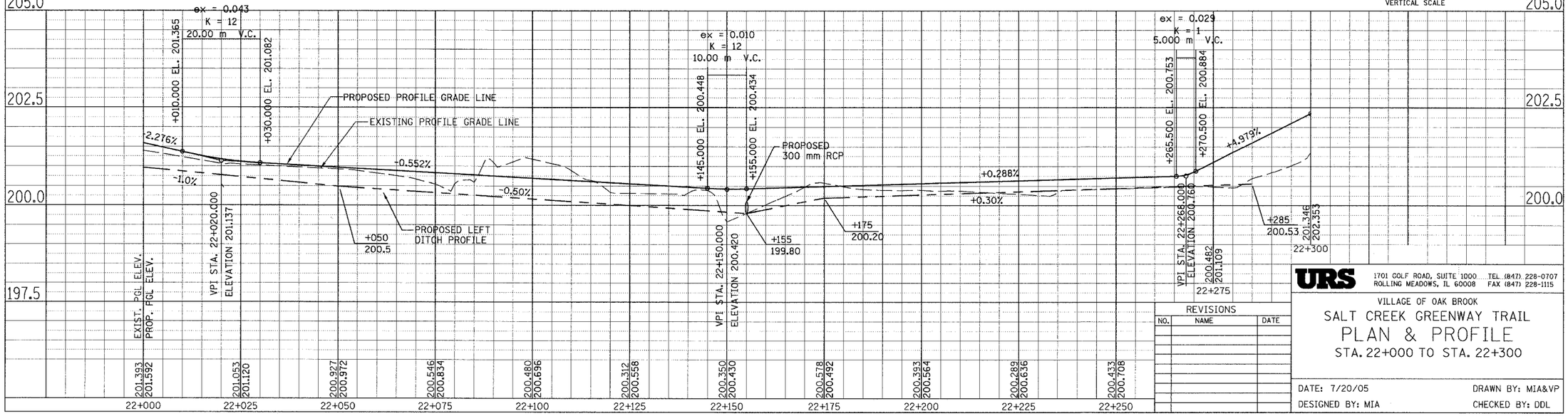
PROP. CURVE CL2-18
PI STA = 22+286.462
N = 41,920.173
E = 7,691.933
Δ = 39° 15′ 01″ (LT)
R = 30.000 m
T = 10.697 m
L = 20.551 m
E = 1.850 m



FOR LEGEND SEE SHEET NO. 15

0 25 50 METERS
HORIZONTAL SCALE

0 1 2 2.5 5 METERS
VERTICAL SCALE



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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 22+000 TO STA. 22+300

REVISIONS		
NO.	NAME	DATE

DATE: 7/20/05 DRAWN BY: MIA&VP
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	19
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

PROP. CURVE CL2-19
PI STA = 22+315.434
N = 41,903.903
E = 7,716.918
Δ = 28° 18′ 59″ (RT)
R = 30.000 m
T = 7.568 m
L = 14.826 m
E = 0.940 m

PROP. CURVE CL2-20
PI STA = 22+346.506
N = 41,876.354
E = 7,731.945
Δ = 41° 11′ 36″ (RT)
R = 30.000 m
T = 11.274 m
L = 21.569 m
E = 2.049 m

ACCESS LOCATION

PROPOSED PRECAST CONCRETE BLOCK RETAINING WALL WITH RAILING

REMOVE EXISTING GUARDRAIL

CURVE CL2-19

ADJUST MANHOLE

HARRISON ST.

MATCH EXISTING PATH

CURVE CL2-20

PAVEMENT REMOVAL

PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)

ELDRIDGE PARK

MATCH LINE STA. 22+300

PC STA 22+307.866

PT STA 22+322.692

PC STA 22+335.232

PT STA 22+356.800

PROP. ℄ BIKE PATH

BEGIN OMISSION STA. 22+356.8

MATCH EXISTING PATH

PC STA 22+362.249

PT STA 22+371.553

3.0 m (TYP)

1.5 m (TYP)

POT STA 22+397.415

PC STA 22+420.072

PT STA 22+433.260

PC STA 22+486.634

PT STA 22+491.035

PC STA 22+516.070

PT STA 22+522.122

POT STA 22+549.605

22+350

22+400

22+450

22+500

22+550

CURVE CL2-21

EXISTING BIKE PATH

CURVE CL2-22

CURVE CL2-23

+341

Salt Creek Trail

(2) SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)

Trail Segment By Elmhurst Park District

MILE 14

SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)

Salt Creek Trail

Trail Segment By Elmhurst Park District

END OMISSION STA. 22+591.294

POT STA 22+589.609

22+591.294 MEET EXIST.

EXISTING BIKE PATH REMOVAL PAID FOR AS PAVEMENT REMOVAL

POT STA 22+602.220

R=5 m (TYP.)

PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)

EXISTING BRIDGE TO BE REPLACED

SALT CREEK

POT STA 22+637.981

EXISTING BIKE PATH REMOVAL PAID FOR AS PAVEMENT REMOVAL

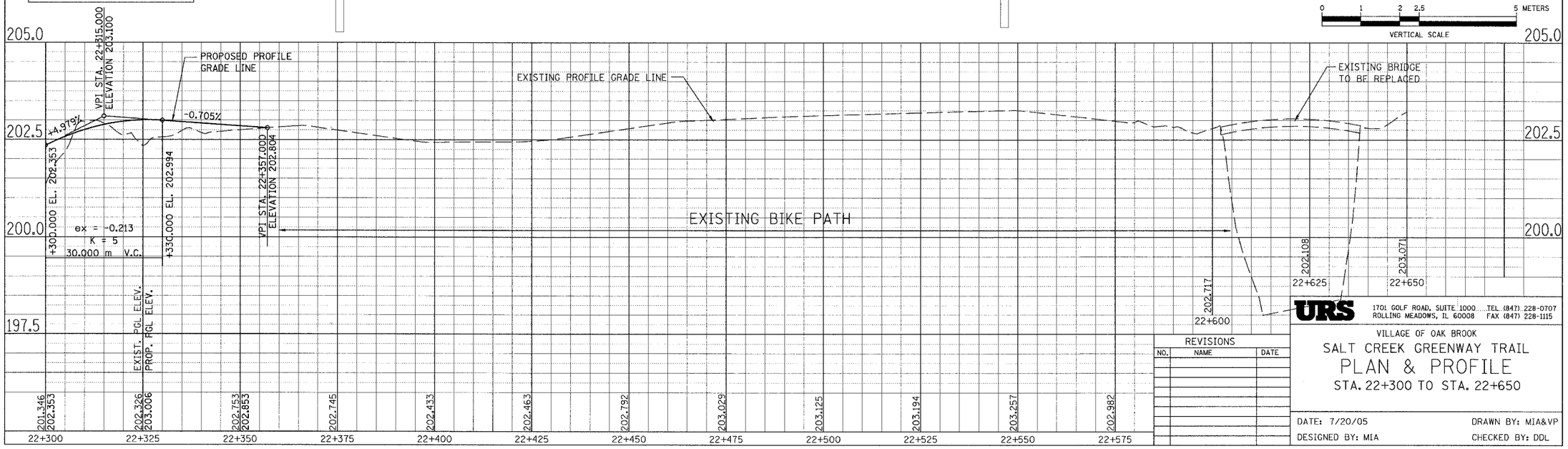
MATCH LINE STA. 22+650

(4) 6.1 m RUSTIC RAIL FENCE (ALL FOUR BRIDGE ENDS)

0 25 50 METERS
HORIZONTAL SCALE

0 1 2 2.5 5 METERS
VERTICAL SCALE

FOR LEGEND SEE SHEET NO. 15



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REVISIONS		
NO.	NAME	DATE

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 22+300 TO STA. 22+650

DATE: 7/20/05 DRAWN BY: MIA&VP
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	20
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

PROP. CURVE CL2-25
PI STA = 22+697.989
N = 41,575.553
E = 7,725.592
Δ = 27° 49′ 28″ (LT)
R = 30.000 m
T = 7.431 m
L = 14.569 m
E = 0.907 m

PROP. CURVE CL2-26
PI STA = 22+728.934
N = 41,558.864
E = 7,751.999
Δ = 7° 56′ 16″ (LT)
R = 30.000 m
T = 2.081 m
L = 4.156 m
E = 0.072 m

PROP. CURVE CL2-27
PI STA = 22+750.040
N = 41,550.157
E = 7,771.232
Δ = 34° 54′ 42″ (RT)
R = 30.000 m
T = 9.434 m
L = 18.280 m
E = 1.448 m

PROP. CURVE CL2-28
PI STA = 22+819.813
N = 41,489.677
E = 7,807.188
Δ = 76° 27′ 01″ (RT)
R = 35.000 m
T = 27.567 m
L = 46.701 m
E = 9.553 m

PROP. CURVE CL2-29
PI STA = 22+888.490
N = 41,435.840
E = 7,751.984
Δ = 7° 50′ 21″ (RT)
R = 30.000 m
T = 2.055 m
L = 4.105 m
E = 0.070 m

PROP. CURVE CL2-30
PI STA = 22+911.877
N = 41,421.944
E = 7,733.165
Δ = 29° 10′ 24″ (LT)
R = 30.000 m
T = 7.807 m
L = 15.275 m
E = 0.999 m

PROP. CURVE CL2-31
PI STA = 22+928.705
N = 41,406.308
E = 7,726.078
Δ = 20° 11′ 02″ (RT)
R = 30.000 m
T = 5.339 m
L = 10.568 m
E = 0.471 m

PROP. CURVE CL2-32
PI STA = 22+949.369
N = 41,391.507
E = 7,711.499
Δ = 90° 26′ 02″ (LT)
R = 5.000 m
T = 5.038 m
L = 7.892 m
E = 2.098 m

PROP. CURVE CL2-33
PI STA = 22+986.424
N = 41,364.183
E = 7,739.662
Δ = 48° 23′ 14″ (LT)
R = 5.000 m
T = 2.246 m
L = 4.223 m
E = 0.481 m

PROP. CURVE CL2-34
PI STA = 22+994.018
N = 41,364.767
E = 7,747.504
Δ = 52° 12′ 25″ (RT)
R = 5.000 m
T = 2.450 m
L = 4.556 m
E = 0.568 m

ELDRIDGE PARK

4.2 m REMOVE AND REPLACE CURB AND GUTTER

ACCESS LOCATION

CURVE CL2-28

3m RAD.

TIP DOWN GATE

PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)

CURVE CL2-27

SALT CREEK

L 22+800

PC STA 22+792.246

PT STA 22+838.947

L 22+850

PT STA 22+758.886

PC STA 22+740.606

PT STA 22+731.009

PC STA 22+726.853

L 22+750

PT STA 22+705.127

L 22+700

PC STA 22+690.558

L 22+650

MATCH LINE STA. 22+650

POT STA 22+655.046

POT STA 22+674.889

EXISTING BIKE PATH REMOVAL PAID FOR AS PAVEMENT REMOVAL

R=5 m (TYP.)

CURVE CL2-25

CURVE CL2-26

PROP. ℄ BIKE PATH

DOUBLE ROW OF PERIMETER EROSION BARRIER, 464M

INFORMATION KIOSK

WETLAND SITE 23

3.0 m (TYP.)

1.5 m (TYP.)

CURVE CL2-34

CURVE CL2-29

PROPOSED PRECAST CONCRETE BLOCK RETAINING WALL WITH RAILING

PC STA 22+904.070

PT STA 22+919.345

PC STA 22+886.434

PT STA 22+890.519

L 22+900

ADJUST MANHOLE

CURVE CL2-30

MATCH EXISTING ELEVATION

PC STA 22+923.366

PT STA 22+933.934

PC STA 22+944.331

ACCESS LOCATION

CURVE CL2-32

RELOCATE SIGN PANEL ASSSEMBLY TYPE A

PCC SIDEWALK, 150mm
(2) 0.9 SM DETECTABLE WARNINGS

BUTTERFIELD RD

BEGIN OMISSION
END CONSTRUCTION
STA. 23+002.930

POT STA 23+002.930

PT STA 22+996.124

1.8 SM DETECTABLE WARNING
6 SM PCC SIDEWALK, 150 mm

PROP. PAVEMENT MARKING (SEE DETAIL SHEET NO)

PC STA 22+991.568

REMOVE 10.5 m GUARDRAIL
INSTALL END SECTION ON REMAINING GUARDRAIL

CURVE CL2-31

PT STA 22+988.400

VALVE VAULTS TO BE ADJUSTED +970

TIP DOWN GATE

L 22+950

PC STA 22+984.178

CURVE CL2-33

PROP. PAVEMENT MARKING (SEE DETAIL SHEET NO 28)

STOP

R1-1
450mmX450mm
3.05 m TY A POST

PT STA 22+952.223

1.8 SM DETECTABLE WARNING
6 SM PCC SIDEWALK, 150 mm

18 m CURB AND GUTTER REMOVE AND REPLACE (4 LOCATIONS)

Salt Creek Trail
Trail Segments By Elmhurst Park District

(A) SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)

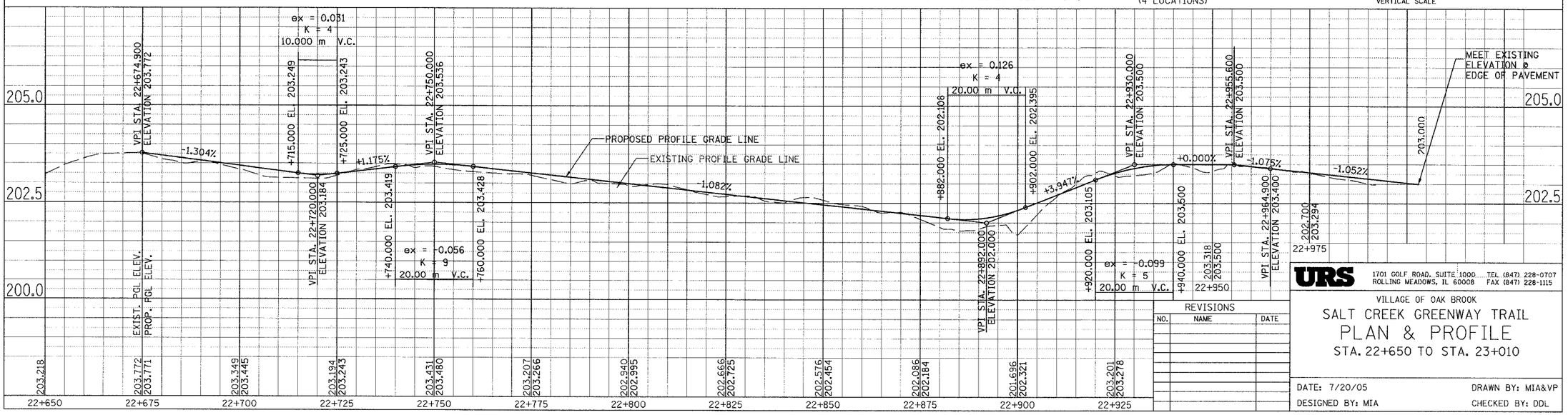
(B) W11-1
750 mm X 750 mm
(2) 4.25 m TY A POST

(2) SIGNS 75 m ON BUTTERFIELD IN ADVANCE OF INTERSECTION

0 25 50 METERS
HORIZONTAL SCALE

0 1 2 2.5 5 METERS
VERTICAL SCALE

FOR LEGEND SEE SHEET NO. 15



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REVISIONS

NO.	NAME	DATE

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 22+650 TO STA. 23+010

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	21
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

END OMISSION
BEGIN CONSTRUCTION STA. 23+200.000

CONSTRUCTION LIMITS

PROP. PIPE CULVERT, TYPE 1, RCCP, 450 mm 7.5 m, STA. 23+285.11

DOUBLE ROW, PERIMETER EROSION BARRIER, 404M

CURVE OAK_CL-2

CURVE OAK_CL-3

CURVE OAK_CL-4

POT STA 23+200.000

PC STA 23+220.445

PT STA 23+225.969

PC STA 23+298.869

PT STA 23+301.799

PC STA 23+313.595

PT STA 23+322.075

MATCH LINE STA. 23+550

SAW CUT EXIST. BIT. PATH (INCLUDED IN PAVEMENT REMOVAL) MATCH EXIST. PATH ELEV.

ACCESS LOCATION

23+200

23+250

23+300

+334.75

VILLAGE OF OAK BROOK

PIPE CULVERT REMOVAL, 2.4 m

(2) 9.15 m RUSTIC RAIL FENCE

PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)

EXPLORATION TRENCH, SPECIAL 5 m

PROPOSED BRIDGE

CURVE OAK_CL-5

EXPLORATION TRENCH, SPECIAL 5 m

PROP. CURVE OAK-5
PI STA = 23+386.887
Δ = 59° 22′ 52″ (RT)
R = 27.000 m
T = 15.395 m
L = 27.983 m
E = 4.080 m
N = 40981.748
E = 7996.141

PROP. CURVE OAK-6-1
PI STA = 23+427.072
Δ = 87° 42′ 19″ (RT)
R = 5.000 m
T = 4.804 m
L = 7.654 m
E = 1.934 m
N = 40984.984
E = 7953.271

PROP. CURVE OAK-6-2
PI STA = 23+452.854
Δ = 0° 00′ 08″ (RT)
N = 40989.785
E = 7953.441

Salt Creek Trail

Trail Segment By Elmhurst Park District

5 SIGN PANEL, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)

PROP. ℄ BIKE PATH

PROPOSED BICYCLE TRAIL
PCC SIDEWALK, 150mm
AGGREGATE BASE COURSE, TYPE B, 150 mm
PAINT PVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)

CURVE OAK_CL-1

BITUMINOUS BIKE PATH REMOVAL (PAID FOR AS PAVEMENT REMOVAL)

CONNECT PROPOSED PATH TO EXISTING PATH THAT REMAINS

PC STA 23+247.543

PT STA 23+253.423

PROP. RETAINING WALL (SHEET PILE) WITH RAILING

EXIST. RIP RAP

N. FRONTAGE RD.

TYPE B GUTTER

ELMHURST PARK DISTRICT

ROOSEVELT RD.

PROP. RETAINING WALL (SHEET PILE), WITH RAILING

PROP. PIPE CULVERT, TYPE 1, RCCP, 450 mm 9.0 m, STA. 23+355.75 INV. (E) = 197.779

TYPE B GUTTER

PC STA 23+371.492

S. FRONTAGE RD.

PT STA 23+399.475

3.0 m (TYP)

PC STA 23+422.268

PT STA 23+452.854

PCC STA 23+452.854

TREE ROOT PRUNING

PROP. CONC. PATH BEHIND

PROP. BIT. PATH AHEAD

PROP. EASEMENT

CURVE OAK_CL-6-1

EXIST. R.O.W.

EQUATION: Sta 23+429.922 BK = Sta 23+452.854 AH

SEE SHEET 27 FOR UNDERPASS APPROACH DETAILS

LIMITS OF PROP. RETAINING WALL (OFFSETS TO INSIDE FACE OF WALL):
STA. 23+253.4 TO STA. 23+284, 2.1 m RT
STA. 23+317.5 TO STA. 23+392.8, 2.1m & VAR. RT
STA. 23+317.0 TO STA. 23+422.27, 2.1 m LT
STA. 23+457.85 TO BRIDGE ABUT., 1.7m RT

A PRECAST REINFORCED CONCRETE FES, 450 mm
STA. 23+285.11, 5 m LT
INV. (E) = 197.585

B PRECAST REINFORCED CONCRETE FES, 450 mm
STA. 23+285.11, 2.5 m RT
INV. (W) = 197.610

C CB A, 1.2M D, T1F, CL
STA. 23+360.42, 3.2 m RT
RIM ELEV = 200.40
INV. (E) = 197.800
INV. (W) = 199.300
INSTALL (2) 300mm PRECAST REINF. CONCRETE FLARED END SECTIONS TO DRAIN TYPE B GUTTER.
INVERT TO MATCH PROP. GUTTER EL.

USE CAUTION AROUND 24″ GAS LINE
CONTACT NICOR
PRIOR TO EXCAVATION

LEGEND

- SWALE TIP
- DITCH SUMMIT
- DITCH CHECK
- PROPOSED CULVERT
- EXISTING CULVERT
- EXISTING MANHOLE
- EXISTING FENCE
- METAL END SECTION
- INLET AND PIPE PROTECTION
- TREE REMOVAL
- PERIMETER EROSION BARRIER
- TREE ROOT PRUNING

1 W1-2L 450mmX450mm 3.7m TYPE A POST

2 W1-2R 450mmX450mm 3.7m TYPE A POST

3 STOP R1-1 450mmX450mm 3.05m TYPE A POST

4 WALK BIKES 450mmX450mm 3.7m TYPE A POST

PROP. CURVE OAK-1
PI STA = 23+223.215
Δ = 10° 33′ 04″ (LT)
R = 30.000 m
T = 2.770 m
L = 5.525 m
E = 0.128 m
N = 41132.904
E = 8037.701

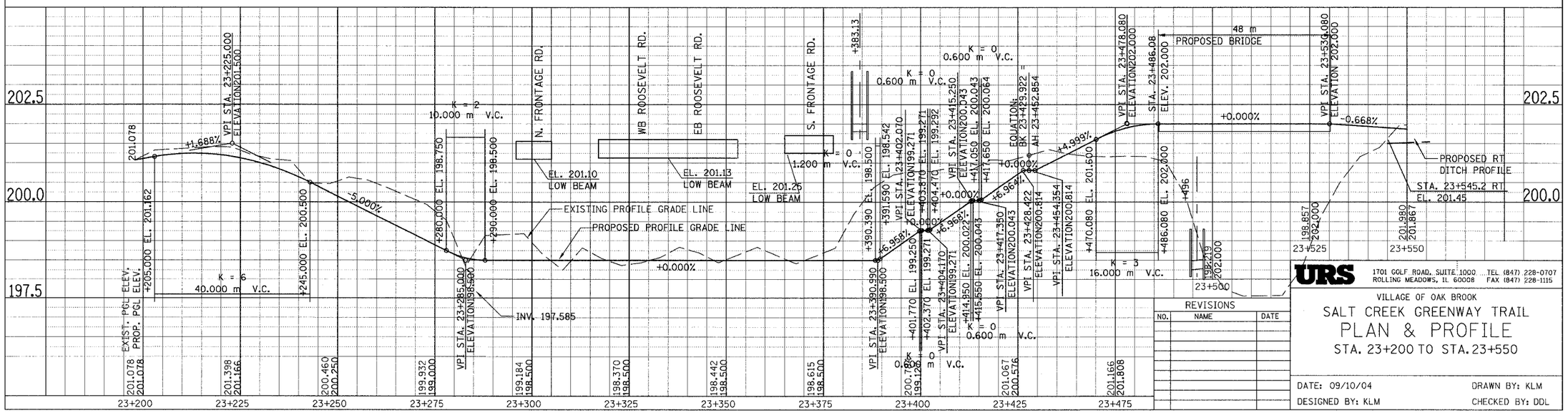
PROP. CURVE OAK-2
PI STA = 23+250.503
Δ = 11° 11′ 28″ (RT)
R = 30.000 m
T = 2.939 m
L = 5.860 m
E = 0.144 m
N = 41105.714
E = 8040.193

PROP. CURVE OAK-3
PI STA = 23+300.337
Δ = 8° 23′ 38″ (LT)
R = 20.000 m
T = 1.468 m
L = 2.930 m
E = 0.054 m
N = 41056.130
E = 8035.022

PROP. CURVE OAK-4
PI STA = 23+317.992
Δ = 37° 22′ 30″ (RT)
R = 13.000 m
T = 4.397 m
L = 8.480 m
E = 0.724 m
N = 41038.486
E = 8035.773

0 25 50 METERS
HORIZONTAL SCALE

0 1 2 2.5 5 METERS
VERTICAL SCALE



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REVISIONS

NO.	NAME	DATE

VILLAGE OF OAK BROOK

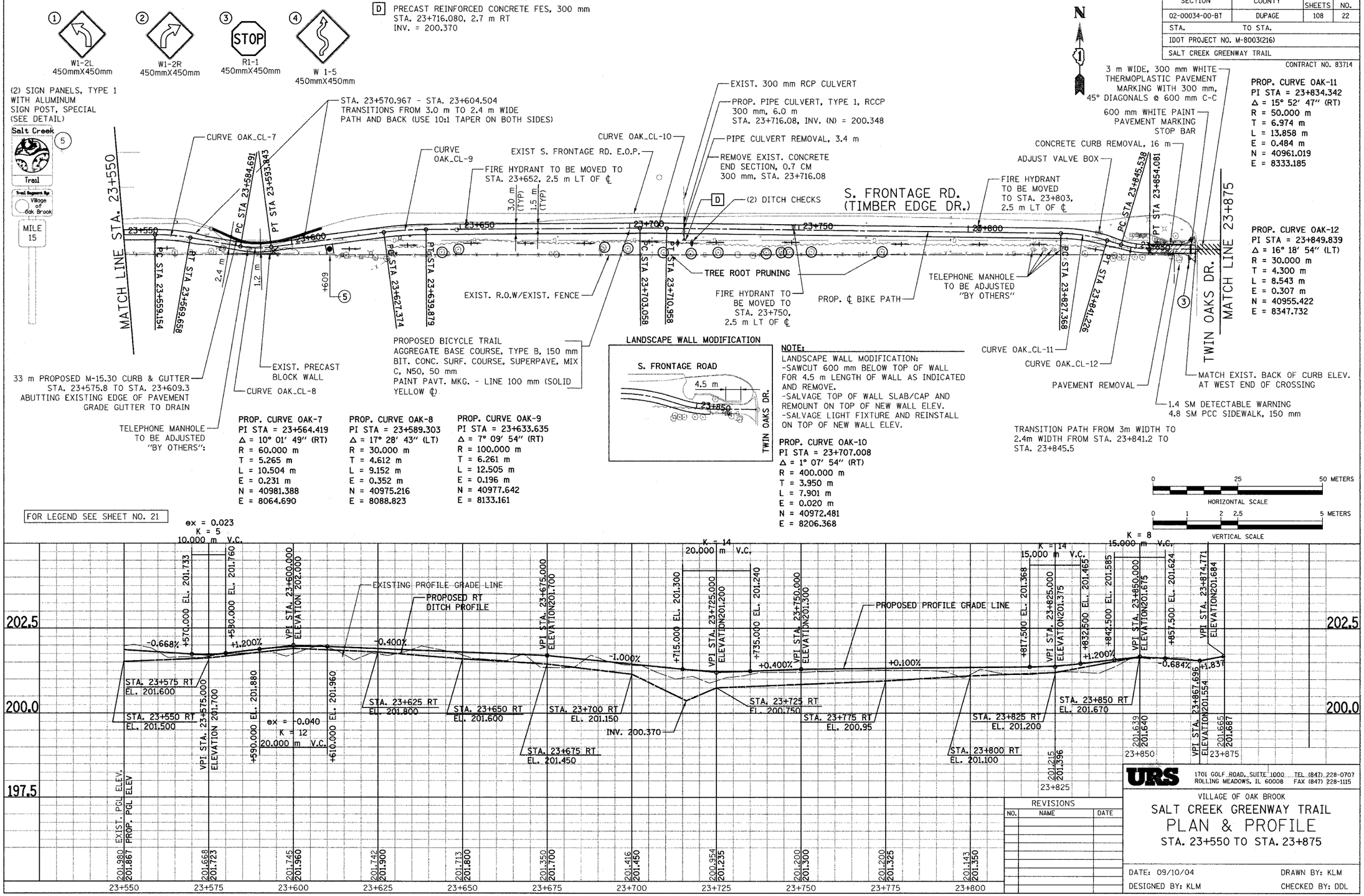
SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 23+200 TO STA. 23+550

DATE: 09/10/04 DRAWN BY: KLM

DESIGNED BY: KLM CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	22
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714



FOR LEGEND SEE SHEET NO. 21

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REVISIONS		
NO.	NAME	DATE

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

PLAN & PROFILE

STA. 23+550 TO STA. 23+875

DATE: 09/10/04 DRAWN BY: KLM

DESIGNED BY: KLM CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	23
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

REPLACE EXISTING INLET FRAME & GRATE WITH TYPE 24 FRAME AND GRATE
STA. 23+874.8
INV. (E) = 200.874

REMOVE AND REPLACE CURB & GUTTER, 4.20 m
STA. 23+874.8
(DEPRESSED)

600 mm WHITE PAINT PAVEMENT MARKING STOP BAR

MATCH LINE 23+875

CURVE OAK_CL-14

PC STA 23+886.962

PRC STA 23+898.749

REMOVE EXIST. CONCRETE END SECTION, 0.7 CM 300 mm, STA. 23+903.0, 2.3 m LT

PROP. PIPE CULVERT, TYPE 1, RCCP, 300 mm, 22 m

EXIST. 300 mm RCP CULVERT

E

(2) DITCH CHECKS

PC STA 23+950.307

PT STA 23+962.936

PROP. PIPE CULVERT, TYPE 1, RCCP, 450 mm, 25 m

CURVE OAK_CL-16

G

EXIST. S. FRONTAGE ROAD. E.O.P.

3.0 m (TYP)

1.5 m (TYP)

TRANSITION PATH FROM 2.4m WIDTH TO 3.0m WIDTH FROM STA. 23+898.7 TO STA. 23+903.3

FIRE HYDRANT TO BE MOVED TO STA. 24+063.3 2.5 m RT OF ℄

PROP. ℄ BIKE PATH

S. FRONTAGE RD.
(TIMBER EDGE DR.)

CURVE OAK_CL-17

ADJUST VALVE VAULT

FIRE HYDRANT TO BE MOVED TO STA. 24+217.4, 2.5 m LT OF ℄

PC STA 24+234.737

PT STA 24+242.562

MATCH LINE 24+250

CURVE OAK_CL-13

EXIST. 300 mm RCP CULVERT

PT STA 23+903.347

FIRE HYDRANT TO BE ADJUSTED @ STA. 23+919.3 5 m LT OF ℄

F

CURVE OAK_CL-16

PC STA 23+967.156

PT STA 23+980.956

TELEPHONE MANHOLE TO BE ADJUSTED "BY OTHERS"

TREE ROOT PRUNING

EXIST. R.O.W./EXIST. FENCE

PC STA 24+163.479

PT STA 24+181.968

CURVE OAK_CL-18

TREE ROOT PRUNING

REMOVE EXISTING INLET & REPLACE WITH INLET, TYPE A, TYPE 1 FRAME, OPEN LID (600 MM DEPTH)
STA. 23+877.65, 2.0 m RT

PROP. BLOCK RETAINING WALL
STA. 23+910 TO STA. 23+945
2.1 m RT. TO INSIDE FACE OF WALL

PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)

MATCH EXIST. EOP ELEV. AT EAST END CROSSING PATH OMISSION:
STA. 23+867.696 TO STA. 23+874.771

1.4 SM DETECTABLE WARNING
4.8 SM PCC SIDEWALK, 150 mm

1 W1-2L 450mmX450mm

2 W1-2R 450mmX450mm

3 STOP R1-1 450mmX450mm

4 W 1-5 450mmX450mm

E PROP. REINFORCED CONCRETE FES, 300mm
STA. 23+924.9, 3.5 m LT
INV. = 200.50

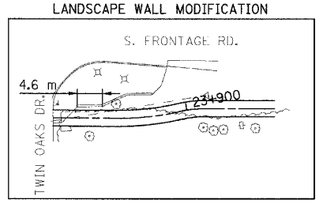
F PROP. REINFORCED CONCRETE FES, 450 mm
STA. 23+950.3, 3.4 m LT
INV. = 200.70

G PROP. REINFORCED CONCRETE FES, 450 mm
STA. 23+975.0, 4.5 m RT
INV. = 200.80

N

1

LANDSCAPE WALL MODIFICATION



NOTE:
LANDSCAPE WALL MODIFICATION:
-SAWCUT 600 mm BELOW TOP OF WALL FOR 4.6 m LENGTH OF WALL AS INDICATED AND REMOVE.
-SALVAGE TOP OF WALL SLAB/CAP AND REMOUNT ON TOP OF NEW WALL ELEV.
- SALVAGE LIGHT FIXTURE AND REINSTALL ON TOP OF NEW WALL ELEV.

FOR LEGEND SEE SHEET NO. 21

PROP. CURVE OAK_CL-13
PI STA = 23+892.882
N = 40,951.869
E = 8,390.688
Δ = 13° 30′ 26″ (LT)
R = 50.000 m
T = 5.921 m
L = 11.787 m
E = 0.349 m

PROP. CURVE OAK_CL-14
PI STA = 23+901.058
N = 40,953.125
E = 8,398.822
Δ = 13° 10′ 56″ (RT)
R = 19.987 m
T = 2.309 m
L = 4.598 m
E = 0.133 m

PROP. CURVE OAK_CL-15
PI STA = 23+956.655
N = 40,948.890
E = 8,454.278
Δ = 14° 28′ 15″ (LT)
R = 50.000 m
T = 6.348 m
L = 12.628 m
E = 0.401 m

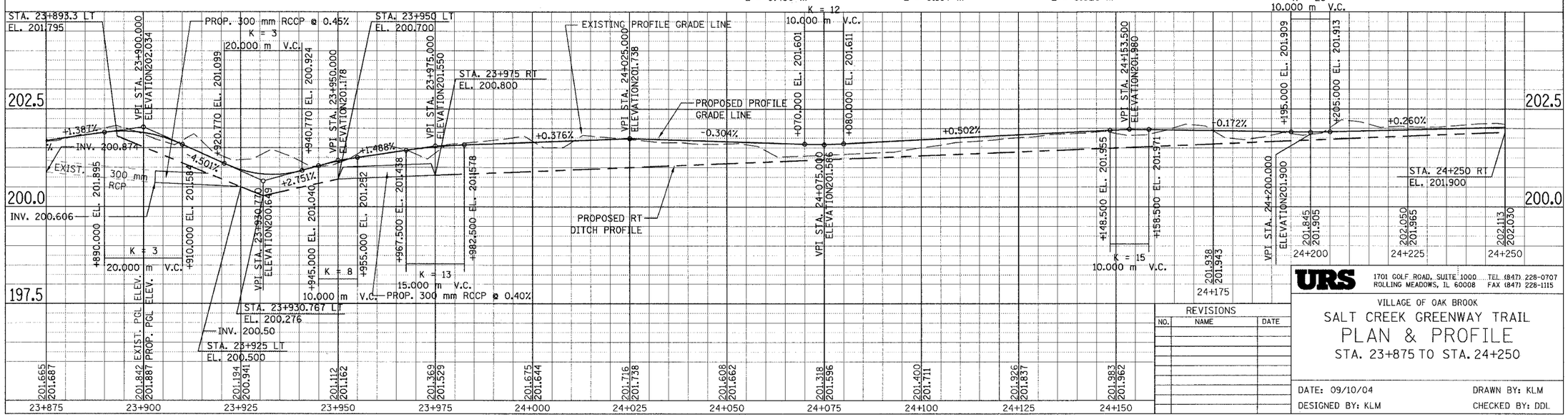
PROP. CURVE OAK_CL-16
PI STA = 23+974.100
N = 40,952.051
E = 8,471.502
Δ = 15° 48′ 51″ (RT)
R = 50.000 m
T = 6.944 m
L = 13.800 m
E = 0.480 m

PROP. CURVE OAK_CL-17
PI STA = 24+172.725
N = 40,937.054
E = 8,669.648
Δ = 2° 38′ 54″ (RT)
R = 400.000 m
T = 9.246 m
L = 18.489 m
E = 0.107 m

PROP. CURVE OAK_CL-18
PI STA = 24+238.650
N = 40,929.091
E = 8,735.093
Δ = 1° 29′ 40″ (LT)
R = 300.000 m
T = 3.913 m
L = 7.825 m
E = 0.026 m

0 25 50 METERS
HORIZONTAL SCALE

0 1 2 2.5 5 METERS
VERTICAL SCALE



URS
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ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

REVISIONS

NO.	NAME	DATE

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

PLAN & PROFILE

STA. 23+875 TO STA. 24+250

DATE: 09/10/04 DRAWN BY: KLM

DESIGNED BY: KLM CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	24
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

PROP. CURVE OAK_CL-19
PI STA = 24+286.458
N = 40,924.556
E = 8,782.686
Δ = 2° 16′ 46″ (LT)
R = 300.000 m
T = 5.968 m
L = 11.935 m
E = 0.059 m

PROP. CURVE OAK_CL-20
PI STA = 24+366.780
N = 40,920.124
E = 8,862.888
Δ = 54° 48′ 24″ (RT)
R = 30.000 m
T = 15.553 m
L = 28.697 m
E = 3.792 m

PROP. CURVE OAK_CL-25
PI STA = 24+504.161
N = 40,796.081
E = 8,863.538
Δ = 11° 03′ 46″ (LT)
R = 30.000 m
T = 2.905 m
L = 5.793 m
E = 0.140 m

PROP. CURVE OAK_CL-26
PI STA = 24+521.150
N = 40,783.284
E = 8,852.337
Δ = 36° 46′ 27″ (LT)
R = 30.000 m
T = 9.972 m
L = 19.255 m
E = 1.614 m

PROP. CURVE OAK_CL-27
PI STA = 24+541.980
N = 40,761.828
E = 8,850.678
Δ = 29° 50′ 13″ (LT)
R = 30.000 m
T = 7.993 m
L = 15.623 m
E = 1.046 m

PROP. CURVE OAK_CL-28
PI STA = 24+557.201
N = 40,747.753
E = 8,857.366
Δ = 23° 52′ 35″ (RT)
R = 30.000 m
T = 6.343 m
L = 12.502 m
E = 0.663 m

PROP. PIPE CULVERT, TYPE 1, RCCP, 300 mm, 5.5 m, STA. +373
DITCH CHECK
CURVE OAK_CL-20
EXIST. S. FRONTAGE RD. E.O.P.
FOREST PRESERVE DISTRICT OF DUPAGE COUNTY
VILLAGE OF OAK BROOK
+335
S. FRONTAGE RD. (TIMBER EDGE DR.)
CURVE OAK_CL-21
CURVE OAK_CL-22
PARKING LOT
PC STA 24+442.342
PT STA 24+442.937
PC STA 24+401.074
PCC STA 24+412.155
PT STA 24+384.448
PT STA 24+379.328
PC STA 24+351.428
24+350
24+400
24+450
CURVE OAK_CL-24
(3) DITCH CHECKS
CONSTRUCTION LIMITS
TREE ROOT PRUNING (TYP.)
CURVE OAK_CL-23
PC STA 24+444.028
PROP. ℄ BIKE PATH
DOUBLE ROW OF PERIMETER EROSION BARRIER, 448M
CONSTRUCTION LIMITS
PROP. PIPE CULVERT, TYPE 1, RCCP, 300 mm, 6.5 m, STA. 24+475
PT STA 24+489.266
PC STA 24+501.256
CURVE OAK_CL-25
PT STA 24+507.048
PC STA 24+511.178
PT STA 24+530.433
PC STA 24+533.988
PT STA 24+549.611
24+500
CURVE OAK_CL-26
WETLAND SITE 26
CURVE OAK_CL-27
PC STA 24+550.858
PT STA 24+563.360
24+550
CURVE OAK_CL-28
MATCH EXISTING PAVEMENT
INFORMATION KIOSK
EXIST. BITUMINOUS PATH
END CONSTRUCTION STA. 24+563.360 MATCH EXIST.
3.0 (TYP.)
1.5 (TYP.)
PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)
CURVE OAK_CL-19
PC STA 24+292.425
PC STA 24+280.490
24+250
MATCH LINE 24+250

H PRECAST REINFORCED CONCRETE FES, 300 mm
STA. 24+475. 3.5 m RT
INV. = 200.930

I PRECAST REINFORCED CONCRETE FES, 300 mm
STA. 24+475. 3.0 m LT
INV. = 201.100

J PRECAST REINFORCED CONCRETE FES, 300 mm
STA. 24+373. 2.75 m LT
INV. = 201.90

K PRECAST REINFORCED CONCRETE FES, 300 mm
STA. 24+373. 2.75 m LT
INV. = 201.80

① W1-2L 450mmX450mm 3.7 m TYPE A POST
② W1-2R 450mmX450mm 3.7 m TYPE A POST
③ SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)
④ SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)
Salt Creek Trail
Trail Segment By Village of Oak Brook
Trail Segment By Forest Preserve District of DuPage County

INSTALL SIGNS AT SHARP CURVE ON EXISTING TRAIL

FOR LEGEND SEE SHEET NO. 21

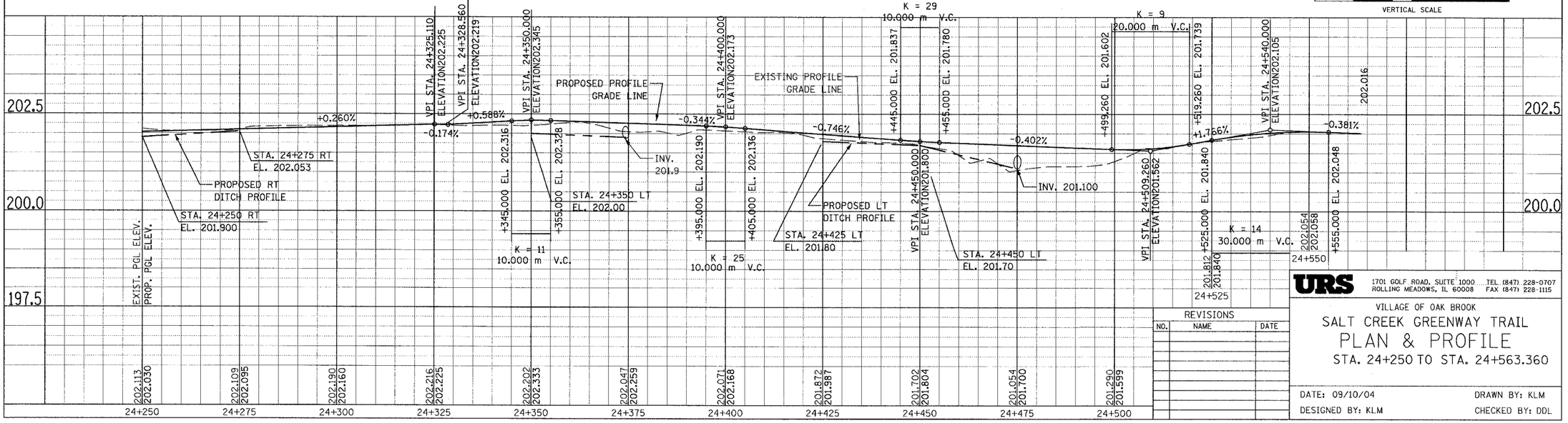
PROP. CURVE OAK_CL-21
PI STA = 24+392.980
N = 40,895.894
E = 8,878.099
Δ = 31° 45′ 11″ (RT)
R = 30.000 m
T = 8.532 m
L = 16.626 m
E = 1.190 m

PROP. CURVE OAK_CL-22
PI STA = 24+406.623
N = 40,881.813
E = 8,878.208
Δ = 7° 56′ 19″ (RT)
R = 79.975 m
T = 5.549 m
L = 11.081 m
E = 0.192 m

PROP. CURVE OAK_CL-23
PI STA = 24+432.503
N = 40,856.148
E = 8,874.739
Δ = 41° 50′ 11″ (LT)
R = 30.000 m
T = 11.467 m
L = 21.905 m
E = 2.117 m

PROP. CURVE OAK_CL-24
PI STA = 24+472.199
N = 40,822.442
E = 8,897.593
Δ = 86° 23′ 49″ (RT)
R = 30.000 m
T = 28.170 m
L = 45.237 m
E = 11.153 m

0 25 50 METERS
HORIZONTAL SCALE
0 1 2 2.5 5 METERS
VERTICAL SCALE



URS
1701 GOLF ROAD, SUITE 1000 ROLLING MEADOWS, IL 60008 TEL (847) 228-0707 FAX (847) 228-1115

REVISIONS

NO.	NAME	DATE

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 24+250 TO STA. 24+563.360

DATE: 09/10/04 DRAWN BY: KLM
DESIGNED BY: KLM CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	25
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)

YORK RD

EXISTING BIKE PATH

VILLAGE OF OAK BROOK

HARGER RD

CLEARWATER DR

CERMAK RD

OAK BROOK GOLF COURSE

MATCH LINE A-A

DOVER DR

INFORMATION KIOSK

99 m

GOLF DR

WINDSOR DR

INSTALL (10) SIGNS IN ADVANCE OF SHARP CURVES

31ST STREET

OAK BROOK RD

CANTERBERRY LN

PROPOSED BIKE PATH

507 m

PROPOSED BIKE PATH SEE SHEET 26 FOR DETAILS

75 m (TYP.)

RANCH RD

W1-2L 450mmX450mm 3.7 m TYPE A POST

W1-2R 450mmX450mm 3.7 m TYPE A POST

W11-1 750 mm X 750 mm (2) 4.25 m TY A POST

1 : 500

REVISIONS		
NO.	NAME	DATE

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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PROPOSED PLAN
YORK ROAD SEGMENT

DATE: 7/20/05 DRAWN BY: VAP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	26
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714

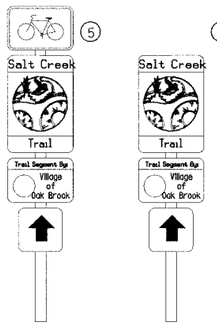
① W1-2L 450mmX450mm 3.7 m TYPE A POST

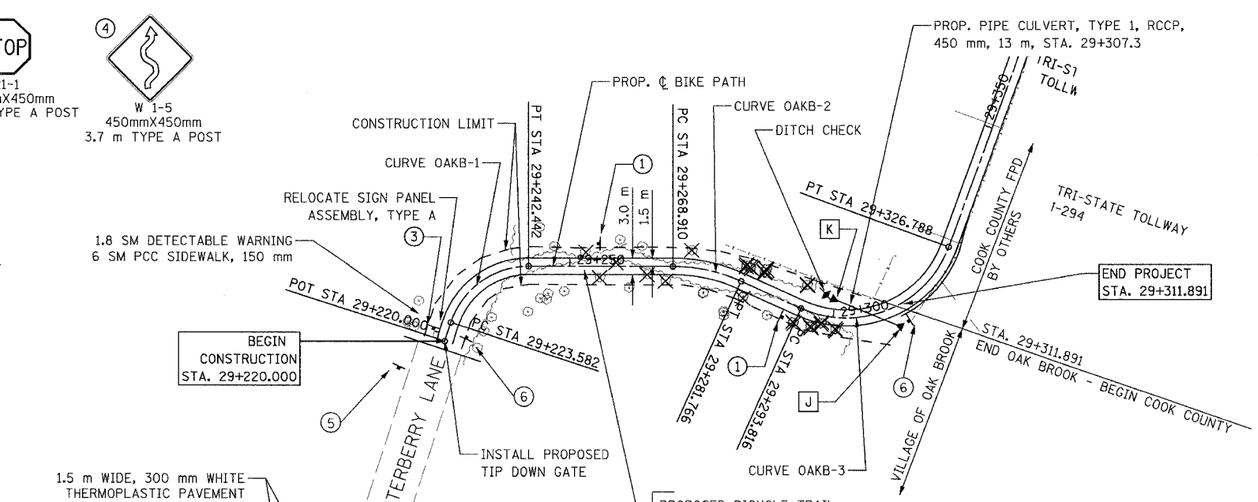
② W1-2R 450mmX450mm 3.7 m TYPE A POST

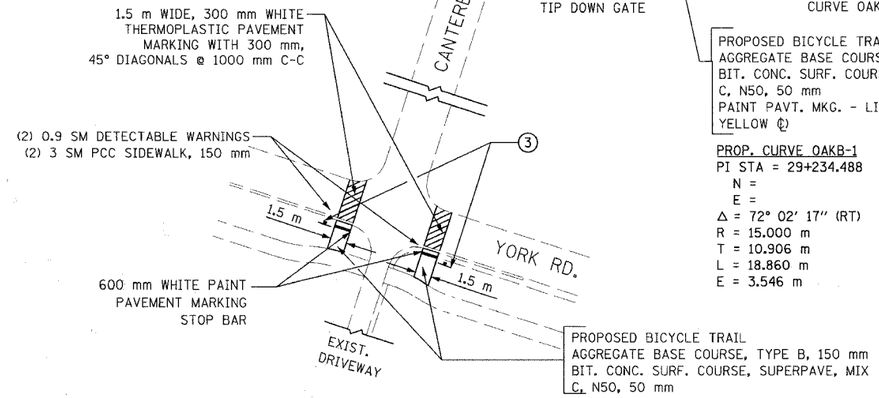
③ STOP R1-1 450mmX450mm 3.05 m TYPE A POST

④ W 1-5 450mmX450mm 3.7 m TYPE A POST

⑤ ⑥ SIGN PANELS, TYPE 1 WITH ALUMINUM SIGN POST, SPECIAL (SEE DETAIL)







PROPOSED BICYCLE TRAIL
AGGREGATE BASE COURSE, TYPE B, 150 mm
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX C, N50, 50 mm
PAINT PAVT. MKG. - LINE 100 mm (SOLID YELLOW ℄)

FOR LEGEND SEE SHEET NO. 21

PROP. CURVE OAKB-1
PI STA = 29+234.488
N =
E =
Δ = 72° 02′ 17″ (RT)
R = 15.000 m
T = 10.906 m
L = 18.860 m
E = 3.546 m

PROP. CURVE OAKB-2
PI STA = 29+275.438
N =
E =
Δ = 24° 33′ 14″ (RT)
R = 30.000 m
T = 6.528 m
L = 12.856 m
E = 0.702 m

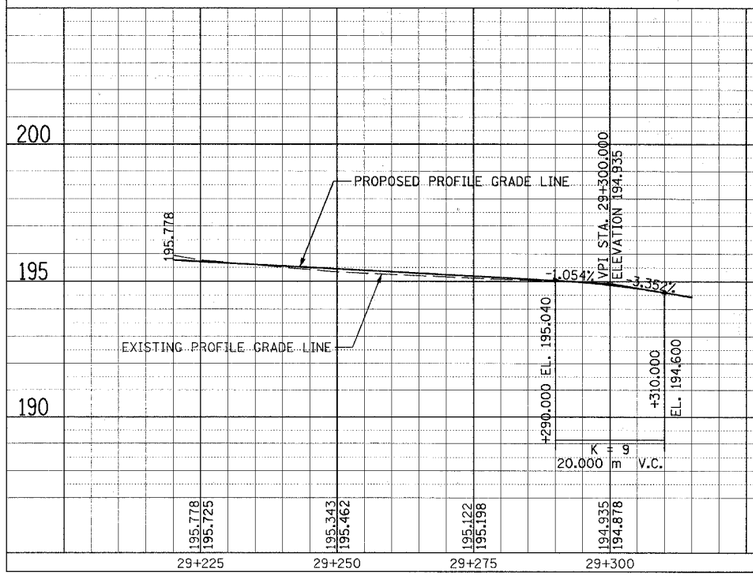
PROP. CURVE OAKB-3
PI STA = 29+315.436
N =
E =
Δ = 94° 27′ 32″ (LT)
R = 20.000 m
T = 21.620 m
L = 32.972 m
E = 9.452 m

J PRECAST REINFORCED CONCRETE FES, 450 mm
STA. 29+311.15, 3.9 m RT
INV. = 194.10

K PRECAST REINFORCED CONCRETE FES, 450 mm
STA. 29+300.0, 4.0 m LT
INV. = 194.50

0 25 50 METERS
HORIZONTAL SCALE

0 1 2 2.5 5 METERS
VERTICAL SCALE



REVISIONS		
NO.	NAME	DATE

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TEL (847) 228-0707 FAX (847) 228-1115

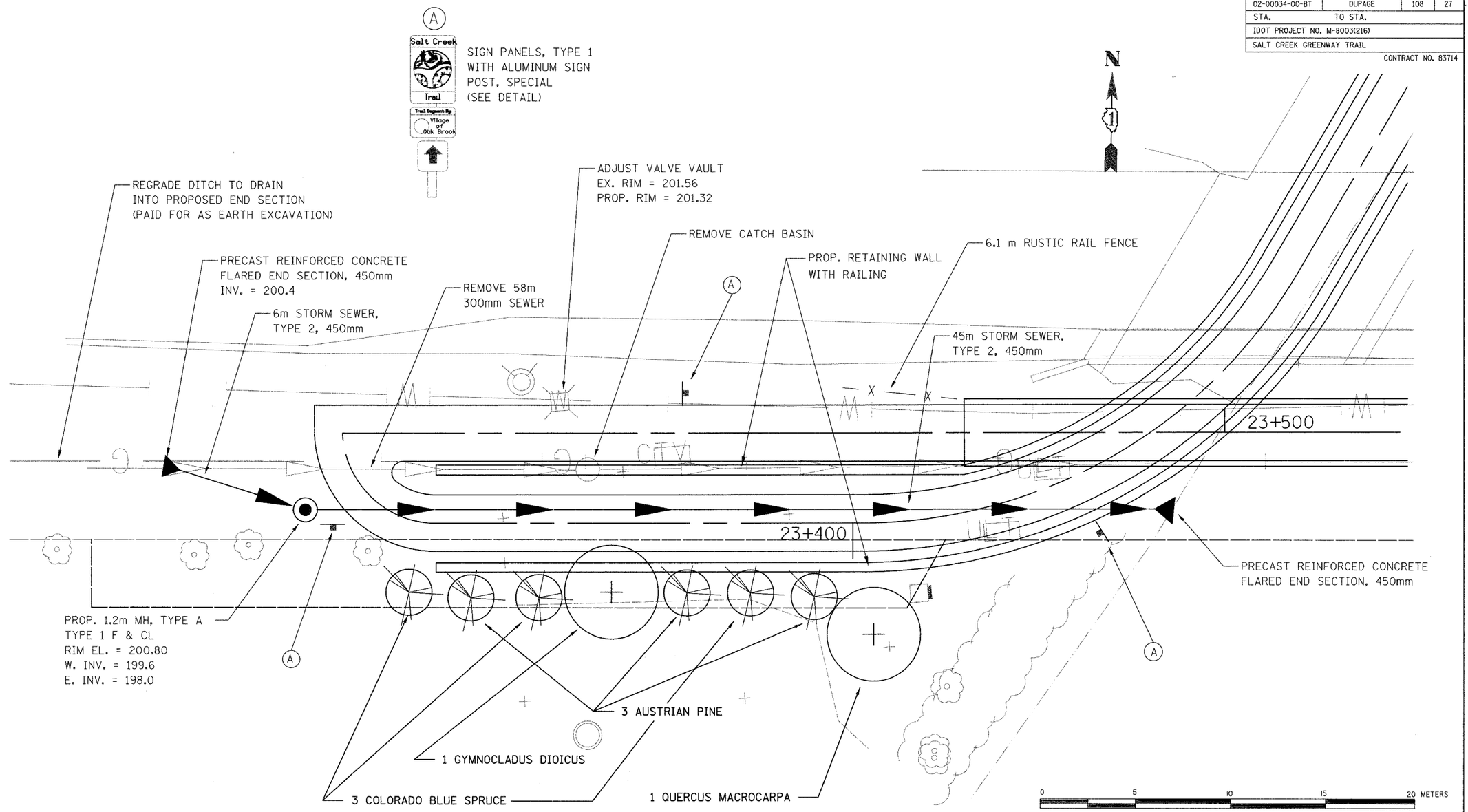
VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
PLAN & PROFILE
STA. 29+220 TO STA. 29+311.891

DATE: 09/10/04 DRAWN BY: KLM
DESIGNED BY: KLM CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	27
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714



SCALE 1:100

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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL
UNDERPASS APPROACH DETAIL

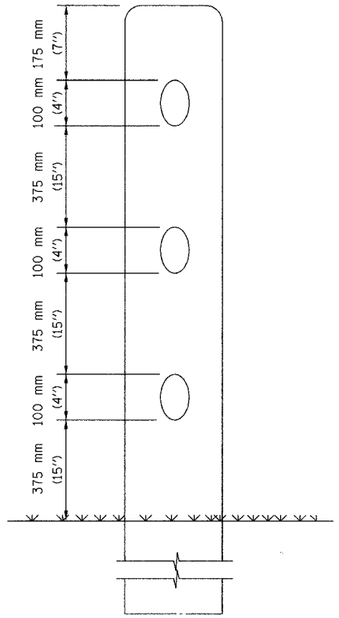
REVISIONS		
NO.	NAME	DATE

DATE: 7/20/05 DRAWN BY: VAP

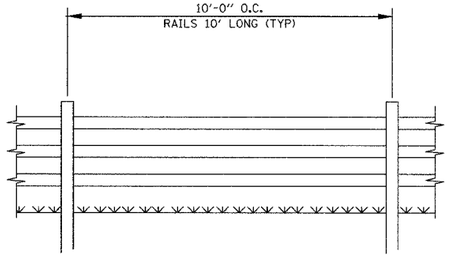
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	28
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

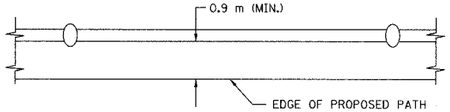
CONTRACT NO. 83714



SIDE VIEW

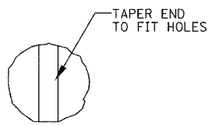


FRONT VIEW

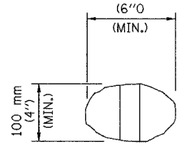


TOP VIEW

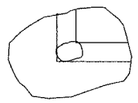
NOTE: ALL RAILS SHALL BE SPIKED TO POST W/GALVANIZED GUTTER SPIKES.



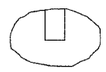
RAIL END (TYP.)



LINE POST-TOP (TYP.)

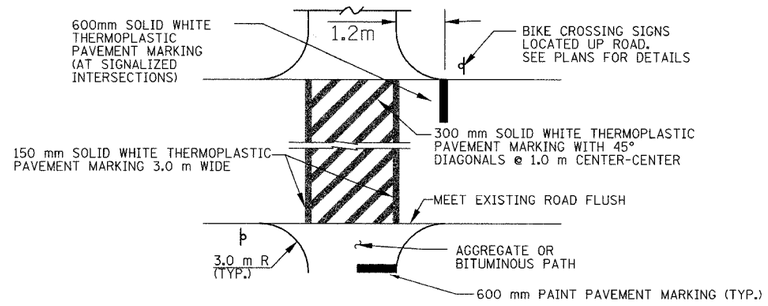


CORNER POST-TOP (TYP.)

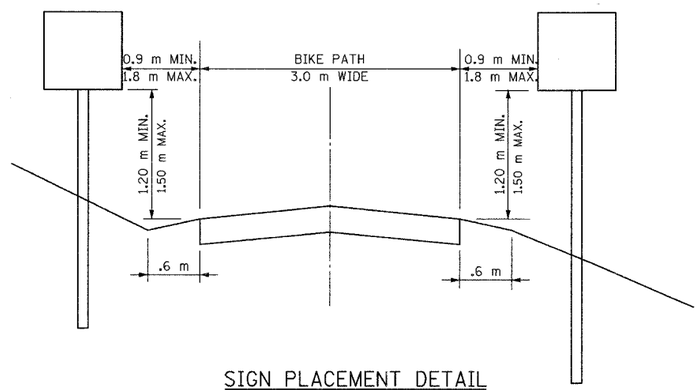


END POST TOP (TYP.)

RUSTIC RAIL FENCE DETAIL



PAVEMENT MARKING DETAIL



SIGN PLACEMENT DETAIL

REVISIONS		
NO.	NAME	DATE

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VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

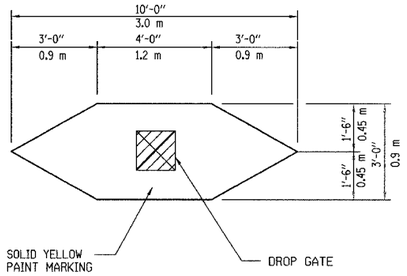
MISCELLANEOUS DETAILS

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

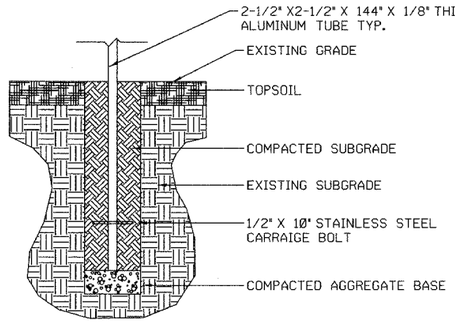
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	29
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714



TIP DOWN GATE MARKING DETAIL

N.T.S.



D4 / D1.Ø — SIGN BASE DETAIL

SECTION - N.T.S.

D6 / D1.Ø — TRAIL MARKER

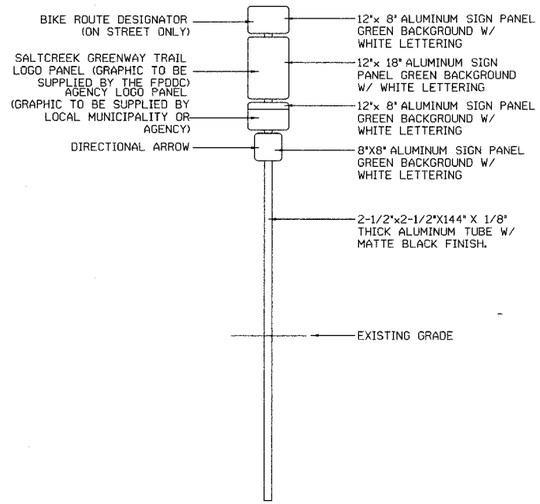
DESIGN - N.T.S.

FRONT VIEW

SIDE VIEW

TIP DOWN GATE INSTALLATION DETAIL

N.T.S.



A6 / D1.Ø — TRAIL MARKER

ELEVATION - N.T.S.

REVISIONS		
NO.	NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000 TEL (847) 228-0707
ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

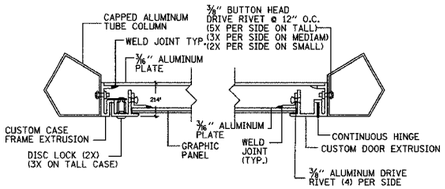
MISCELLANEOUS DETAILS

DATE: 7/20/05 DRAWN BY: MIA&VP

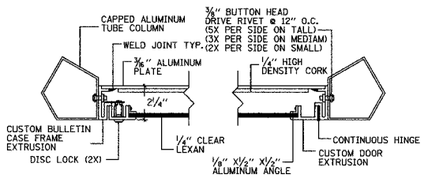
DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	30
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

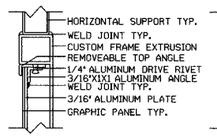
CONTRACT NO. 83714



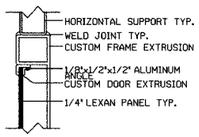
CABINET W/ LEXAN PANEL



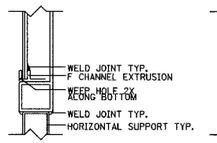
Graphic Panel Top



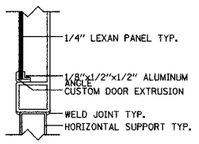
Lexan Panel Top



Graphic Panel Bottom

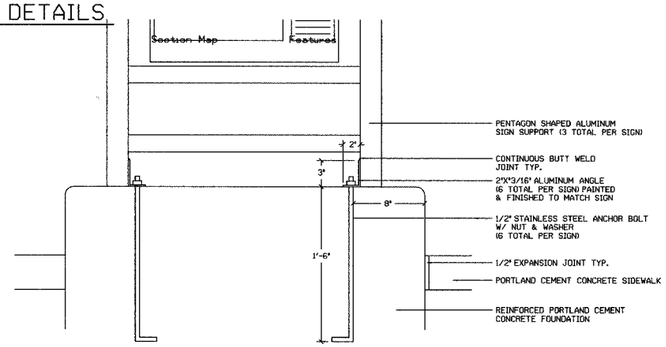


Lexan Panel Bottom



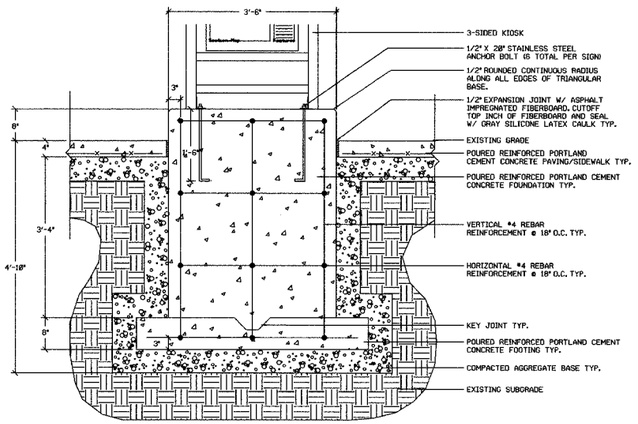
D3 / D1.0 KIOSK CABINET DETAILS

PLAN - 1"=4'



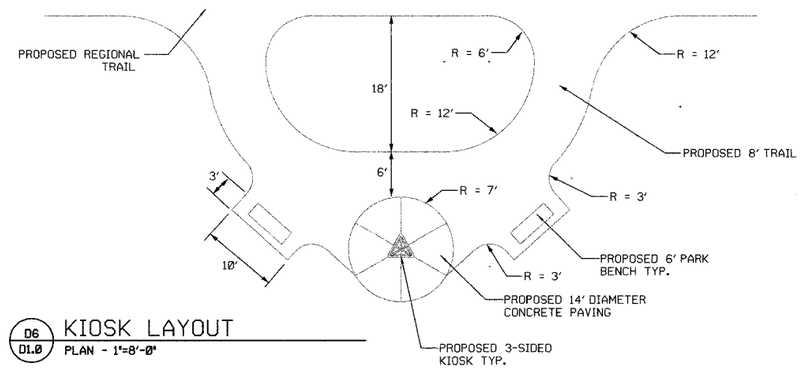
B3 / D1.0 SURFACE MOUNT DETAIL

PLAN - N.T.S.



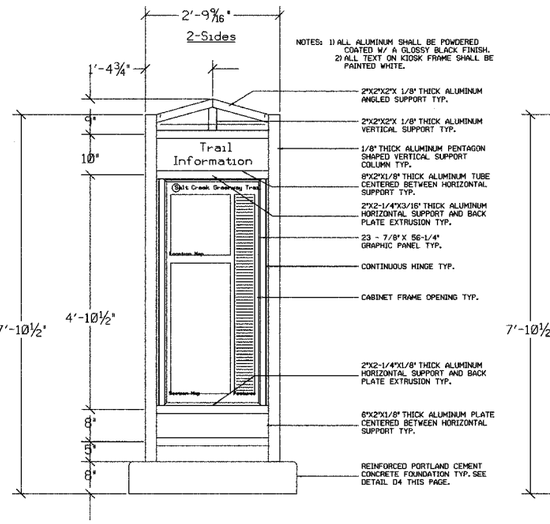
A3 / D1.0 FOUNDATION DETAIL

PLAN - N.T.S.



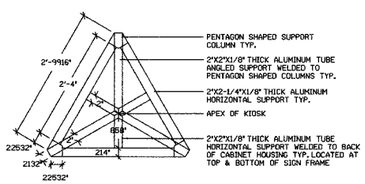
D6 / D1.0 KIOSK LAYOUT

PLAN - 1"=8'-0"



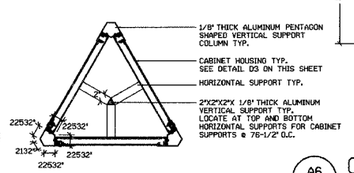
B6 / D1.0 KIOSK DETAIL

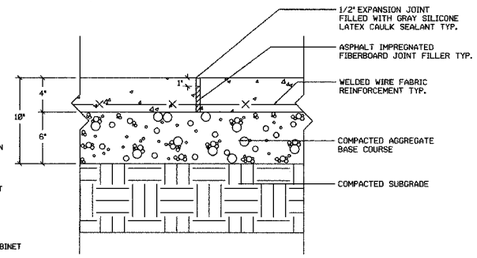
ELEVATION - N.T.S.



A5 / D1.0 KIOSK TOP DETAIL

PLAN - 1/2"=1'-0"





A6 / D1.0 CONCRETE PAVING DETAIL

SECTION - N.T.S.

REVISIONS

NO.	NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000 TEL (847) 228-0707
ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

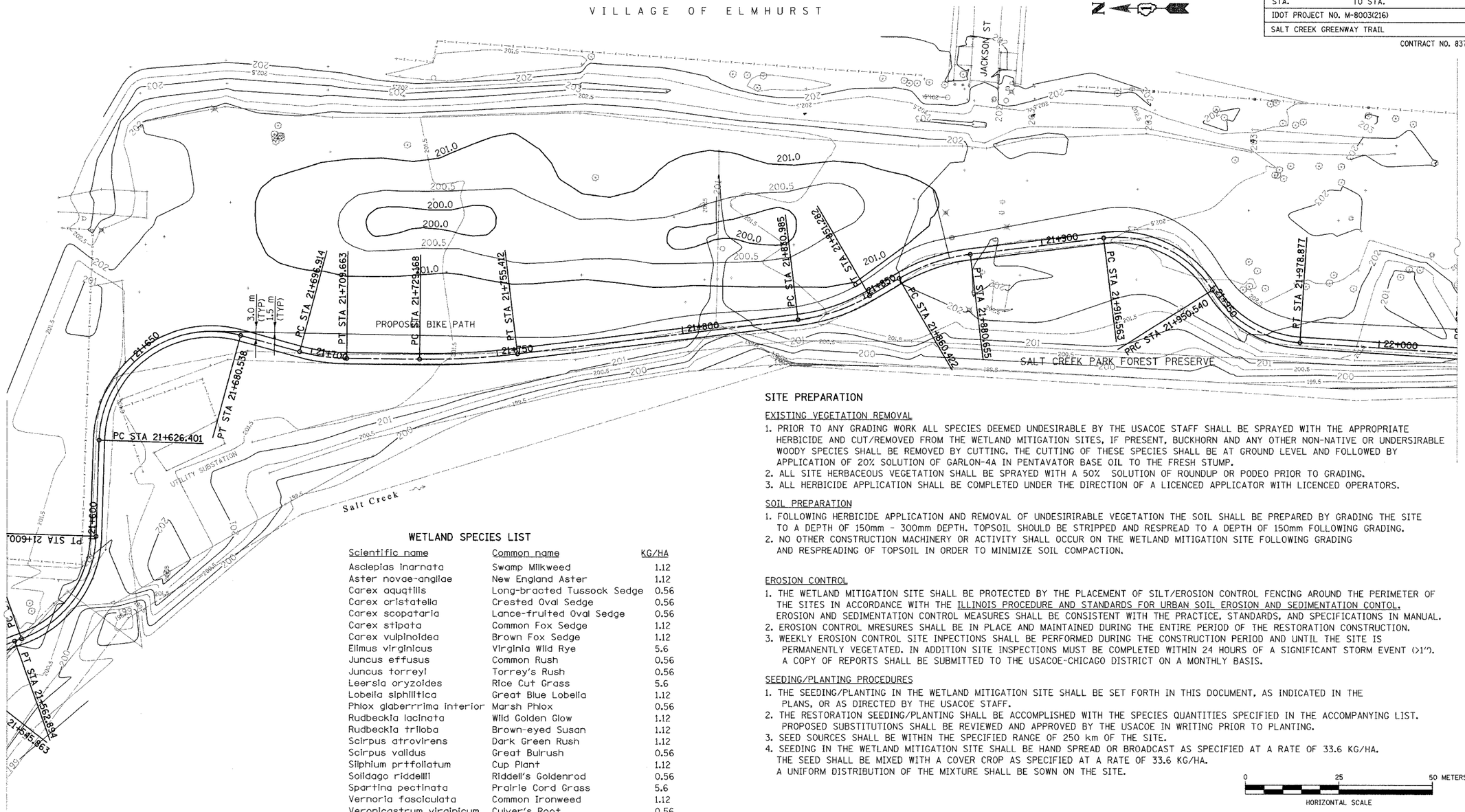
INFORMATION KIOSK DETAILS

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00034-00-BT	DUPAGE	108	31
STA.	TO STA.		
IDOT PROJECT NO. M-8003(216)			
SALT CREEK GREENWAY TRAIL			

CONTRACT NO. 83714



WETLAND SPECIES LIST

Scientific name	Common name	KG/HA
Asclepias incarnata	Swamp Milkweed	1.12
Aster novae-angliae	New England Aster	1.12
Carex aquatilis	Long-bracted Tussock Sedge	0.56
Carex cristatella	Crested Oval Sedge	0.56
Carex scopataria	Lance-fruited Oval Sedge	0.56
Carex stipata	Common Fox Sedge	1.12
Carex vulpinoidea	Brown Fox Sedge	1.12
Elimus virginicus	Virginia Wild Rye	5.6
Juncus effusus	Common Rush	0.56
Juncus torreyi	Torrey's Rush	0.56
Leersia oryzoides	Rice Cut Grass	5.6
Lobelia siphilitica	Great Blue Lobelia	1.12
Phlox glaberrrima interior	Marsh Phlox	0.56
Rudbeckia lacinata	Wild Golden Glow	1.12
Rudbeckia triloba	Brown-eyed Susan	1.12
Scirpus atrovirens	Dark Green Rush	1.12
Scirpus validus	Great Bulrush	0.56
Silphium prtfoliatum	Cup Plant	1.12
Solidago riddellii	Riddell's Goldenrod	0.56
Spartina pectinata	Prairie Cord Grass	5.6
Vernoria fasciculata	Common Ironweed	1.12
Veronicastrum virginicum	Culver's Root	0.56
Zizia aurea	Golden Alexander	0.56

Seeding Rate = 33.6 KG/HA

Cover Crop

Avena sativa	Oats	11.2
Lolium multiflosum	Annual Rye	11.2
Secal cereale	Winter Rye	11.2

Seeding Rate = 33.6 KG/HA

SITE PREPARATION

EXISTING VEGETATION REMOVAL

1. PRIOR TO ANY GRADING WORK ALL SPECIES DEEMED UNDESIRABLE BY THE USACOE STAFF SHALL BE SPRAYED WITH THE APPROPRIATE HERBICIDE AND CUT/REMOVED FROM THE WETLAND MITIGATION SITES, IF PRESENT, BUCKHORN AND ANY OTHER NON-NATIVE OR UNDERSIRABLE WOODY SPECIES SHALL BE REMOVED BY CUTTING. THE CUTTING OF THESE SPECIES SHALL BE AT GROUND LEVEL AND FOLLOWED BY APPLICATION OF 20% SOLUTION OF GARLON-4A IN PENTAVATOR BASE OIL TO THE FRESH STUMP.
2. ALL SITE HERBACEOUS VEGETATION SHALL BE SPRAYED WITH A 50% SOLUTION OF ROUNDUP OR PODEO PRIOR TO GRADING.
3. ALL HERBICIDE APPLICATION SHALL BE COMPLETED UNDER THE DIRECTION OF A LICENCED APPLICATOR WITH LICENCED OPERATORS.

SOIL PREPARATION

1. FOLLOWING HERBICIDE APPLICATION AND REMOVAL OF UNDESIRIRABLE VEGETATION THE SOIL SHALL BE PREPARED BY GRADING THE SITE TO A DEPTH OF 150mm - 300mm DEPTH. TOPSOIL SHOULD BE STRIPPED AND RESPREAD TO A DEPTH OF 150mm FOLLOWING GRADING.
2. NO OTHER CONSTRUCTION MACHINERY OR ACTIVITY SHALL OCCUR ON THE WETLAND MITIGATION SITE FOLLOWING GRADING AND RESPREADING OF TOPSOIL IN ORDER TO MINIMIZE SOIL COMPACTION.

EROSION CONTROL

1. THE WETLAND MITIGATION SITE SHALL BE PROTECTED BY THE PLACEMENT OF SILT/EROSION CONTROL FENCING AROUND THE PERIMETER OF THE SITES IN ACCORDANCE WITH THE ILLINOIS PROCEDURE AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTOL. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSISTENT WITH THE PRACTICE, STANDARDS, AND SPECIFICATIONS IN MANUAL.
2. EROSION CONTROL MRESURES SHALL BE IN PLACE AND MAINTAINED DURING THE ENTIRE PERIOD OF THE RESTORATION CONSTRUCTION.
3. WEEKLY EROSION CONTROL SITE INPECTIONS SHALL BE PERFORMED DURING THE CONSTRUCTION PERIOD AND UNTIL THE SITE IS PERMANENTLY VEGETATED. IN ADDITION SITE INSPECTIONS MUST BE COMPLETED WITHIN 24 HOURS OF A SIGNIFICANT STORM EVENT (>1"). A COPY OF REPORTS SHALL BE SUBMITTED TO THE USACOE-CHICAGO DISTRICT ON A MONTHLY BASIS.

SEEDING/PLANTING PROCEDURES

1. THE SEEDING/PLANTING IN THE WETLAND MITIGATION SITE SHALL BE SET FORTH IN THIS DOCUMENT, AS INDICATED IN THE PLANS, OR AS DIRECTED BY THE USACOE STAFF.
2. THE RESTORATION SEEDING/PLANTING SHALL BE ACCOMPLISHED WITH THE SPECIES QUANTITIES SPECIFIED IN THE ACCOMPANYING LIST. PROPOSED SUBSTITUTIONS SHALL BE REVIEWED AND APPROVED BY THE USACOE IN WRITING PRIOR TO PLANTING.
3. SEED SOURCES SHALL BE WITHIN THE SPECIFIED RANGE OF 250 km OF THE SITE.
4. SEEDING IN THE WETLAND MITIGATION SITE SHALL BE HAND SPREAD OR BROADCAST AS SPECIFIED AT A RATE OF 33.6 KG/HA. THE SEED SHALL BE MIXED WITH A COVER CROP AS SPECIFIED AT A RATE OF 33.6 KG/HA. A UNIFORM DISTRIBUTION OF THE MIXTURE SHALL BE SOWN ON THE SITE.

0 25 50 METERS
HORIZONTAL SCALE

REVISIONS		
NO.	NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000 TEL (847) 228-0707
ROLLING MEADOWS, IL 60008 FAX (847) 228-1115

VILLAGE OF OAK BROOK

SALT CREEK GREENWAY TRAIL

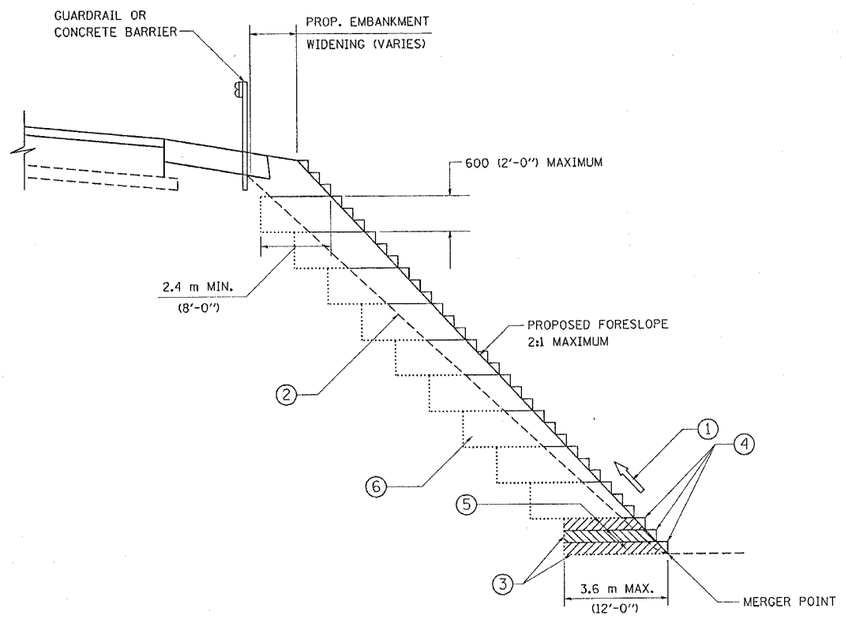
WETLAND MITIGATION PLAN

DATE: 7/20/05 DRAWN BY: MIA&VP

DESIGNED BY: MIA CHECKED BY: DDL

F. A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
			108	32
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83714



TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 200 (8-INCH) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.06 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION ~~(SPECIAL)~~". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

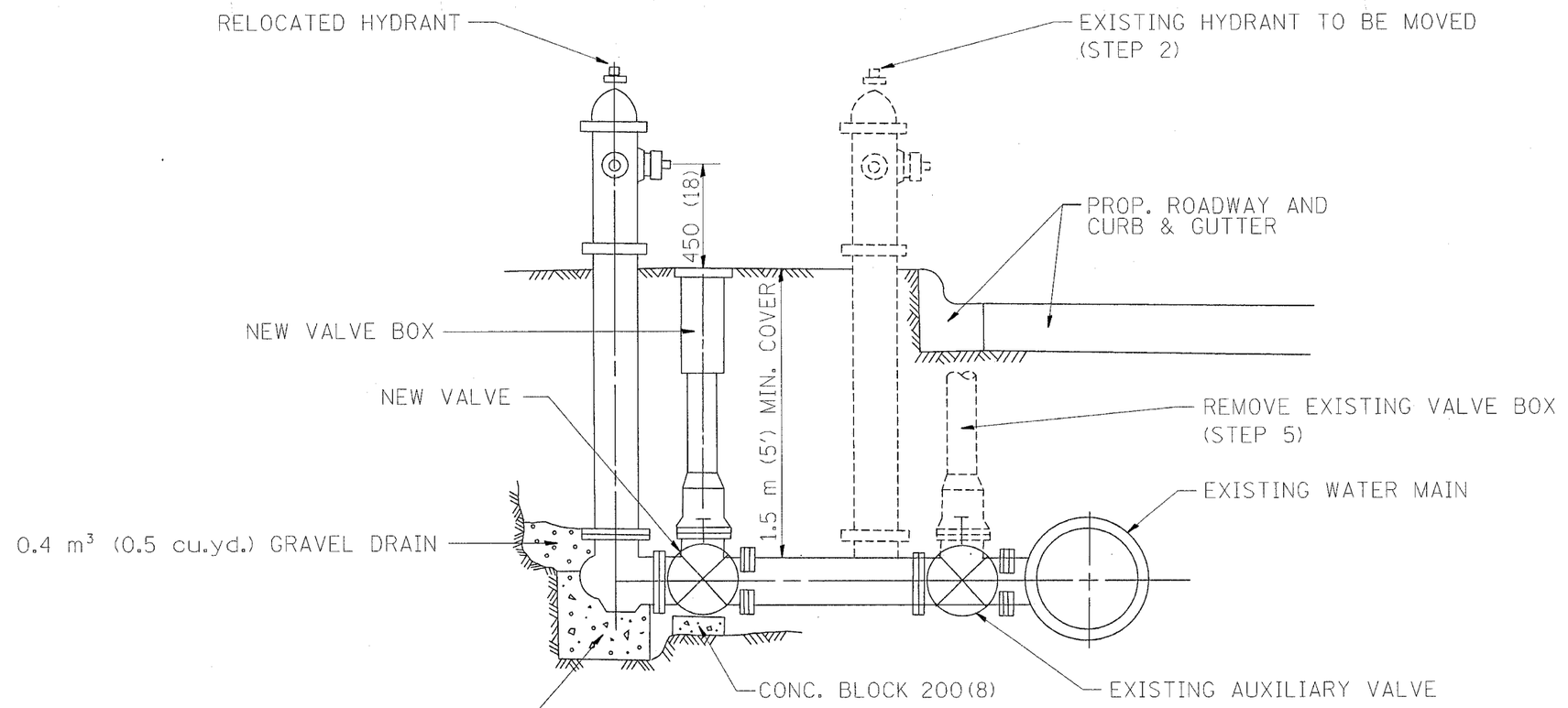
BENCHING DETAIL
FOR EMBANKMENT
WIDENING

SCALE: NONE
DRAWN BY: CADD
DATE 02/28/2003
CHECKED BY: S.E.B.
BD-51
REVISION DATE:

02/28/2003
w:\dist1d\bd51.dgn
VI-BD51

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			108	33
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83714



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

SCALE: NONE — DRAWN BY

DATE 02/28/2003 — CHECKED BY

BD500-03 (BD-36)

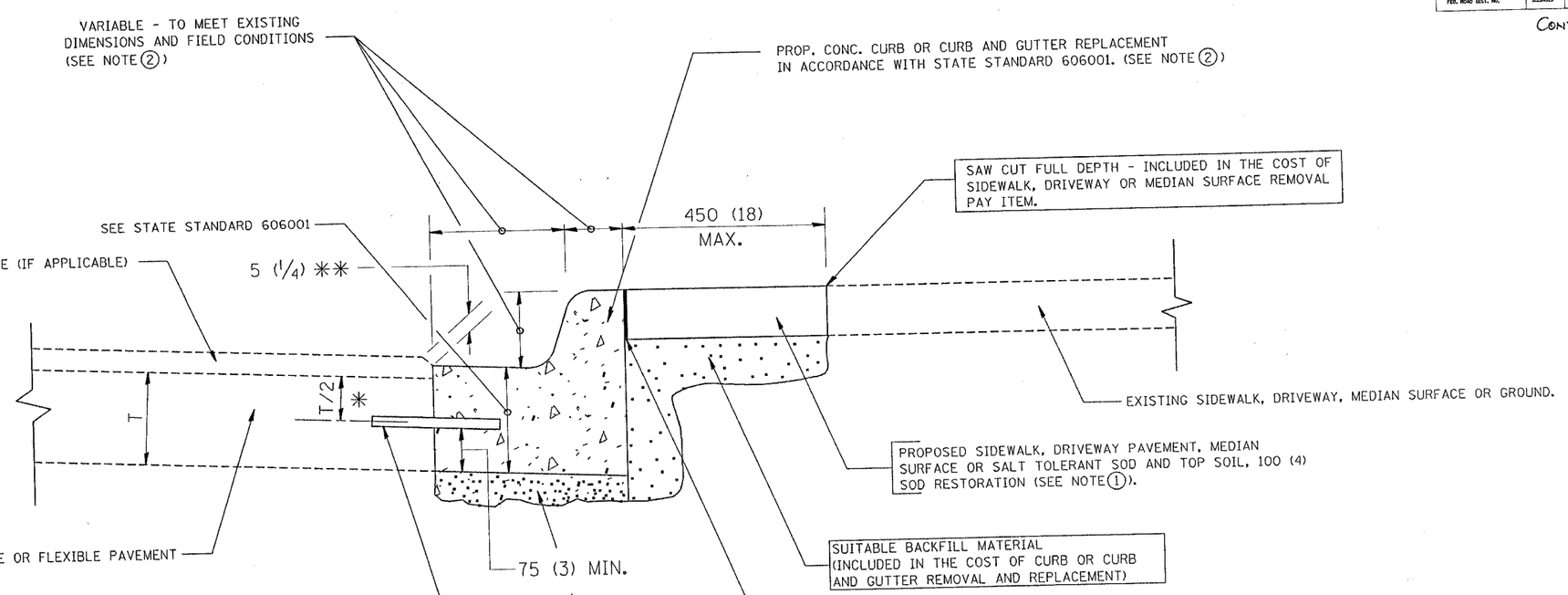
REVISION DATE: 10/25/94

02/28/2003
w:\dist\std\bd36.dgn
VI-BD36

16:04:08 02/28/2003

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			108	34
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83714



* 75 (3) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SALT TOLERANT SOD AND TOP SOIL, 100 (4) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(2) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(3) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(4) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(5) THE COST OF BITUMINOUS SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(7) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

REVISIONS NAME	DATE
M. DE YONG	05/28/91
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: NONE DRAWN BY

DATE 02/28/2003 CHECKED BY

BD600-06 (BD-24)

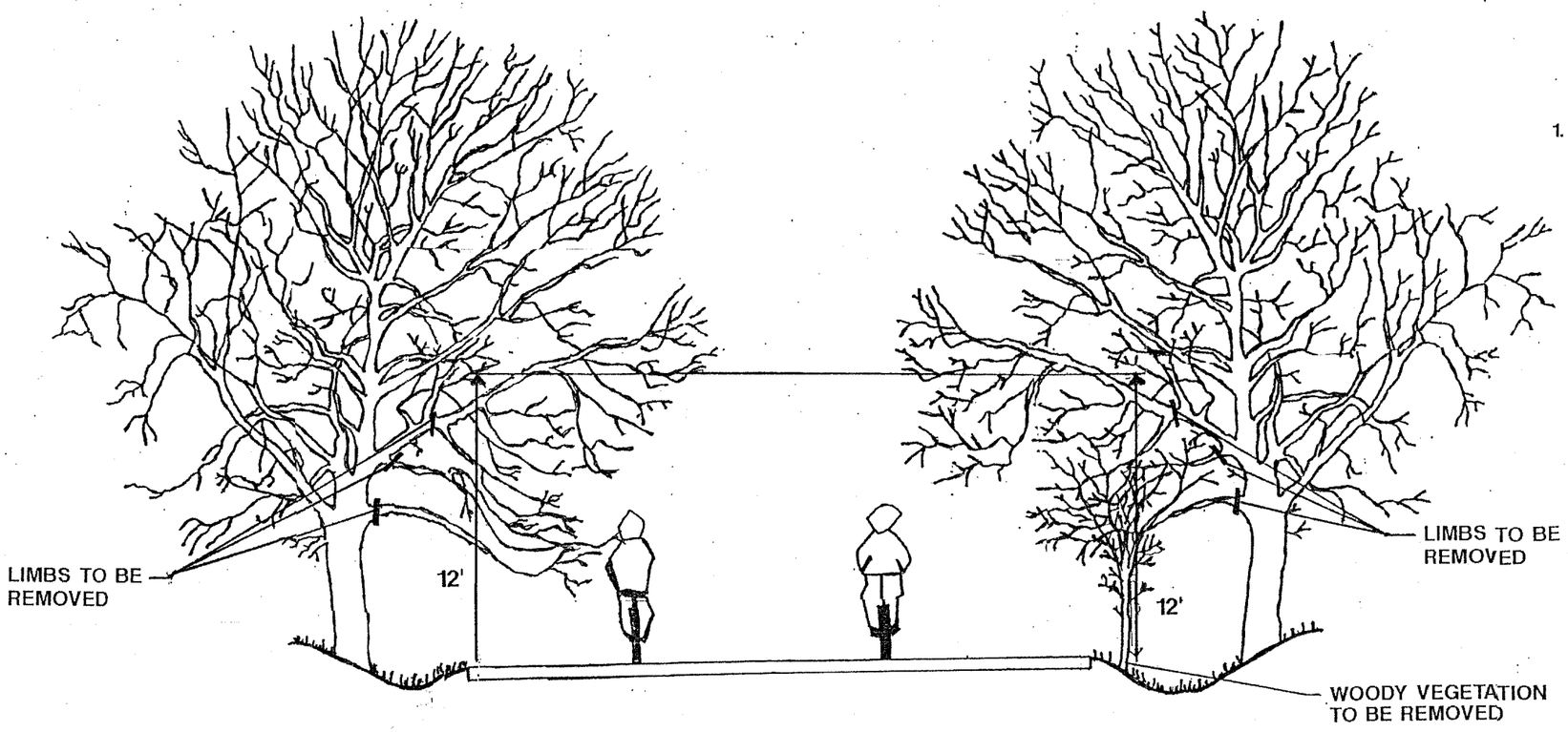
REVISION DATE: 12/06/88

02/28/2003
w:\dist\std\bd24.dgn
VI-BD24

5:03:47 02/28/2003

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-		108	35
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83714



GENERAL NOTES

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

REVISIONS	
NAME	DATE

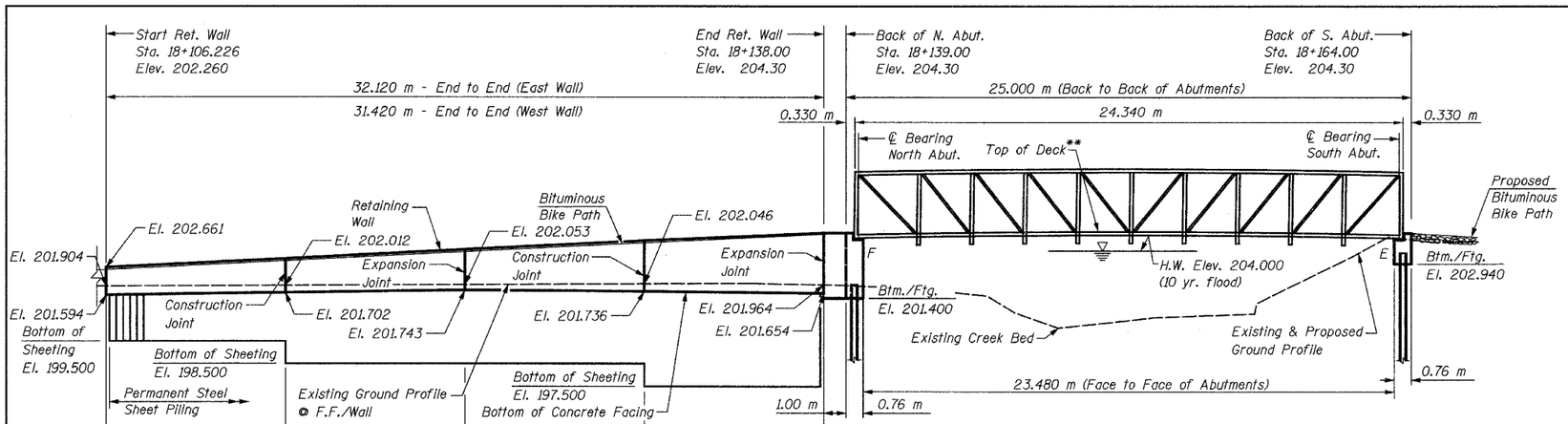
ILLINOIS DEPARTMENT OF TRANSPORTATION

PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE

SCALE: NTS

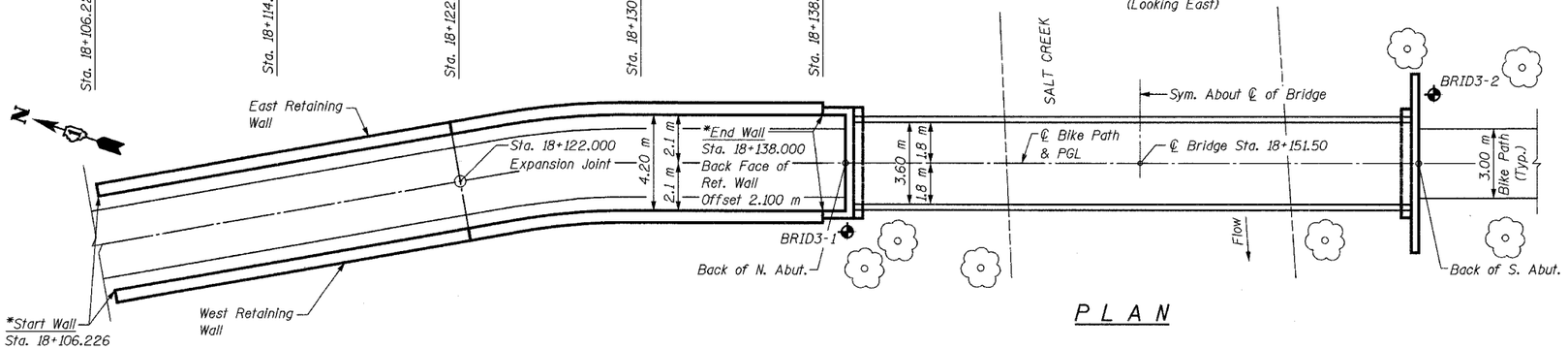
DATE

DRAWN BY
DESIGNED BY
CHECKED BY



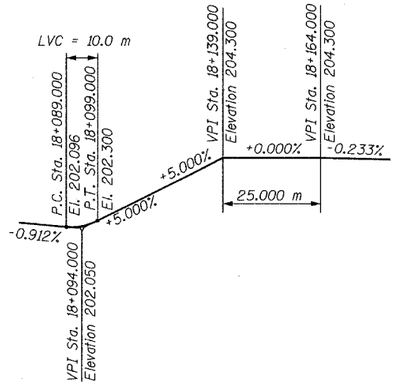
ELEVATION OF BRIDGE OVER SALT CREEK (THOMAS STREET)

(Looking East)



P L A N

***NOTE:**
For horizontal curve and alignment information, see Plan & Profile drawings.



PROFILE GRADE

STATE OF ILLINOIS
GEORGE A. TAPAS
081-008913
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

Signature: _____

Current Date: 7/21/05

License Expires: 11/30/06

"I certify that to the best of my knowledge, information and belief, this bridge 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 the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

LOADING

Live Loading + Impact

4100 N/Sq. M Live Load
(May be adjusted for influence area)
50 kN Vehicle Load (MS-5 Truck)

Equivalent Fluid Lateral Soil Pressure

6.3 kN/Cu. M

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

Illinois Department of Transportation Standard Specifications for Road & Bridge Construction, adopted January 1, 2002 and Supplemental Specifications and Recurring Special Provisions adopted January 1, 2004.

AASHTO Guide Specifications for the Design of Pedestrian Bridges, 1997 Edition.

DESIGN STRESSES

f'c = 24 MPa

fy = 400 Mpa (Reinf.)

fy = 265 Mpa (Sheet Piling)

CLASSIFICATION

Pedestrian/Bicycle Bridge

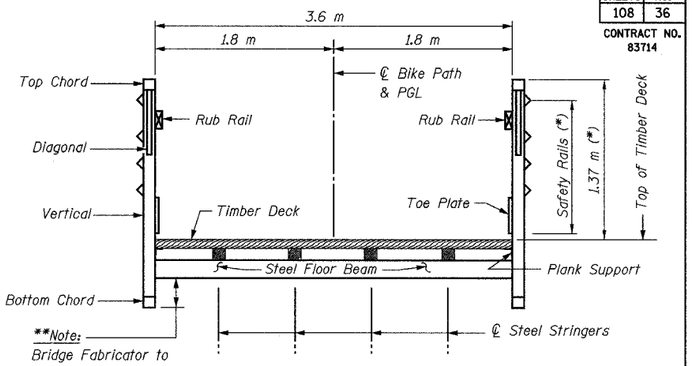
LEGEND

Tree to Remain

Soil Boring

TOTAL BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu. M	31
Concrete Structures	Cu. M	57.0
Reinforcement Bars, Epoxy Coated	kg	3,360
Pedestrian Bridge Superstructure	Sq. M	90
Furnishing Steel Pile HP310x79	Meter	50
Driving Steel Piles	Meter	50
Test Pile Steel HP310x79	Each	1
Metal Shoes	Each	5
Permanent Steel Sheet Piling	Sq. M	306
Pipe Handrail	Meter	64



****Note:**
Bridge Fabricator to adjust depth so that bottom chord elevation is above high water elevation.

TYPICAL CROSS SECTION

(*) Note:
If the top of the chord is greater than 1.37 m above the top of deck, a second rub rail shall be placed at 1.37 m above top of deck.

GENERAL NOTES:

1. The superstructure, including all truss members, railings, toe plates, bearings, wood deck, and all attachments on superstructure, shall be designed and detailed by the Contractor.
2. Reinforcement bars shall conform to the requirements of AASHTOM 31M, M 42M, or M 53M Grade 400.
3. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 3 mm. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 3 mm adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
4. The Contractor shall drive one (1) test pile in the permanent location at the South Abutment (center pile of group) as directed by the Engineer before ordering the remainder of the piles.
5. The profile of the structure shall be as shown, and as specified in the Special Provisions for camber.
6. The Contractor shall verify the final location of anchor bolts with the Bridge Manufacturer prior to construction and placement.
7. Steel sheet piling shall conform to the requirements of Section 1006.05 of the Standard Specifications.
8. If the Contractor chooses to alter the sheet piling design requirements shown on the plans for lesser design requirements, then full design submittal including plan details and sealed calculations will be required for review and acceptance by the Engineer.
9. All dimensions are in millimeters (mm) except as noted.
10. For Soil Boring Logs, see Special Provisions.
11. Any pre-excavation carried out for placement of the sheet piling shall not extend below the bottom of concrete facing.

TOTAL SHEETS	SHEET NO.
108	36

CONTRACT NO. 83714

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

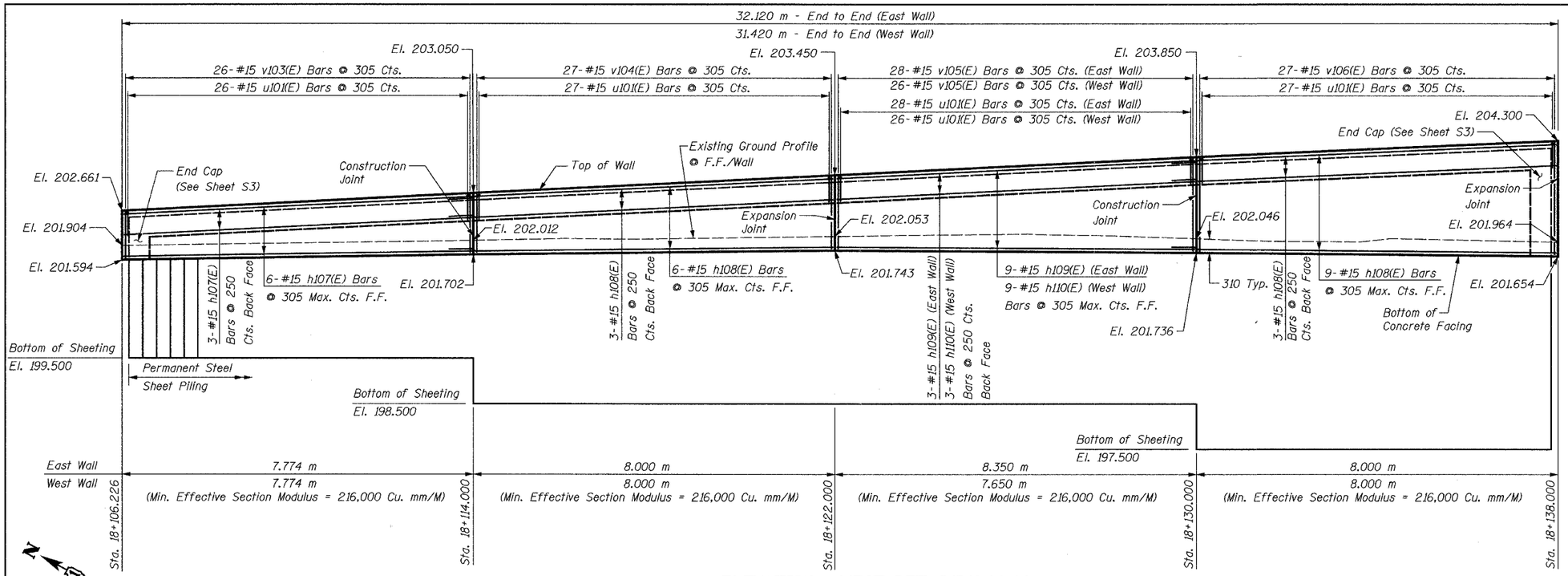
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
BRIDGE & RET. WALL, STA. 18+151.5
GENERAL PLAN AND ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

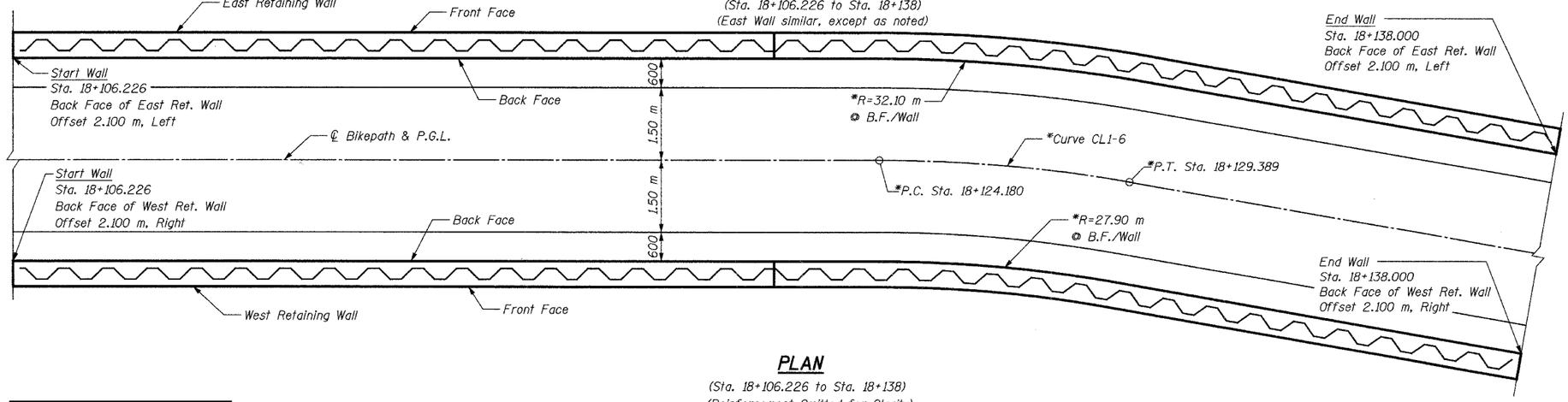
TOTAL SHEETS	SHEET NO.
108	37

CONTRACT NO. 83714



ELEVATION - WEST RETAINING WALL

(Sta. 18+106.226 to Sta. 18+138)
(East Wall similar, except as noted)



PLAN

(Sta. 18+106.226 to Sta. 18+138)
(Reinforcement Omitted for Clarity)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h107(E)	18	#15	7.67 m	
h108(E)	42	#15	8.64 m	
h109(E)	12	#15	8.25 m	
h110(E)	12	#15	7.45 m	
u101(E)	229	#15	1.45 m	⊓
v103(E)	54	#15	1.25 m	
v104(E)	54	#15	1.61 m	
v105(E)	54	#15	2.01 m	
v106(E)	56	#15	2.55 m	
Concrete Structures			Cu. M	39.7
Reinforcement Bars, Epoxy Coated			kg	2,250
Structure Excavation			Cu. M	12.0
Permanent Steel Sheet Piling			Sq. M	306
Pipe Handrail			Meter	64

***NOTE:**

For horizontal curve and alignment information, see Plan & Profile drawings.

NOTES:

Cut h(E) and v(E) bars as necessary in field to fit.

Minimum lap for #15 bar - 640 mm

All exposed edges of concrete shall have a 20 mm chamfer unless shown otherwise.

For minimum effective section modulus properties for sheet piling sections, refer to special provision for Permanent Steel Sheet Piling.

Work this sheet with Sheet S3.

Bars designated (E) shall be epoxy coated.

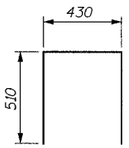
All dimensions are in millimeters (mm) except as noted.

For Typical Section thru Wall, see Sheet S3.

SHEET S2 of S33

Bar	A	B	R
h109(E)	2.13 m	6.12 m	32.6 m
h110(E)	2.13 m	5.32 m	27.4 m

BARS h109(E) & h110(E)



BAR u101(E)

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
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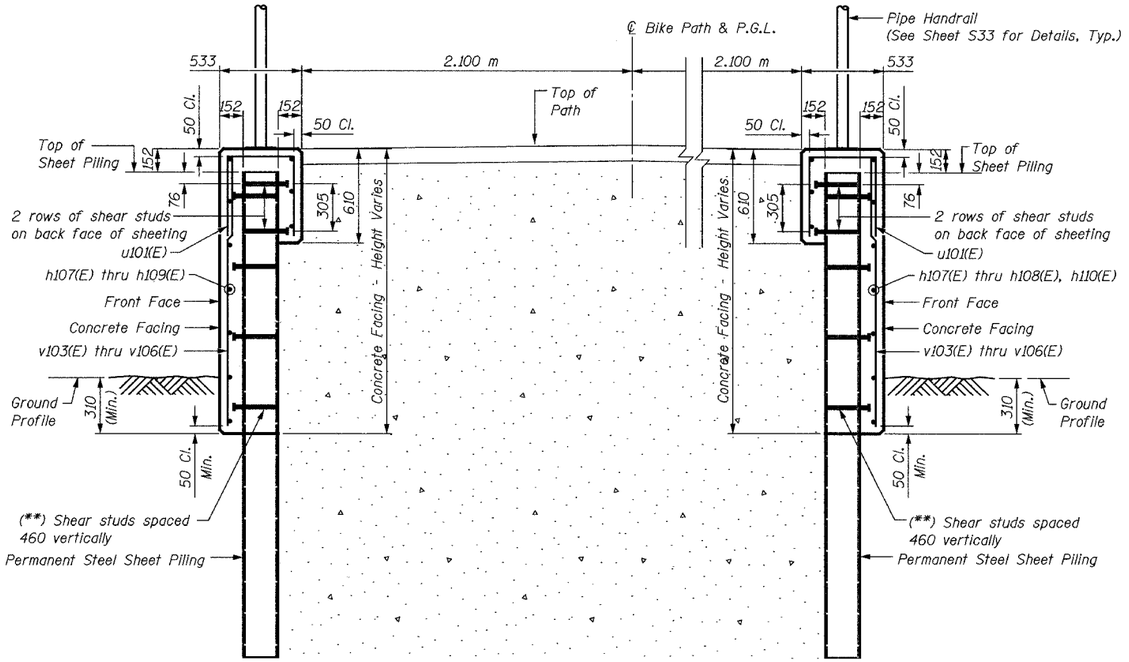
VILLAGE OF OAKBROOK

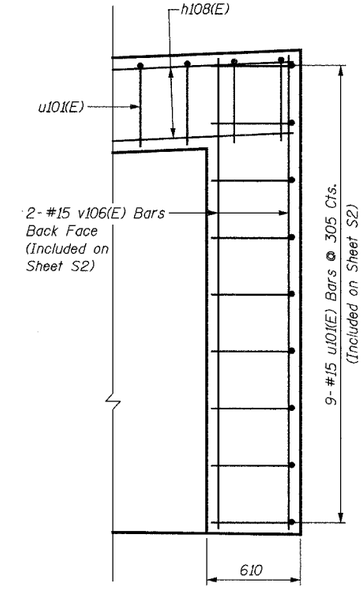
SALT CREEK GREENWAY TRAIL
RET. WALL, STA. 18+106.226
PLAN & ELEVATION

DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT

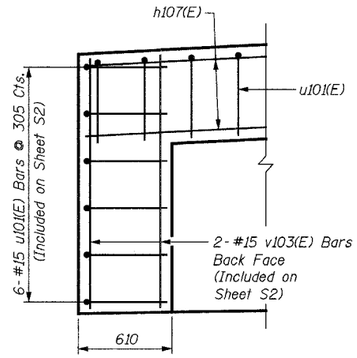


TYPICAL SECTION THRU WALL

(Sta. 18+106.226 to Sta. 18+138)



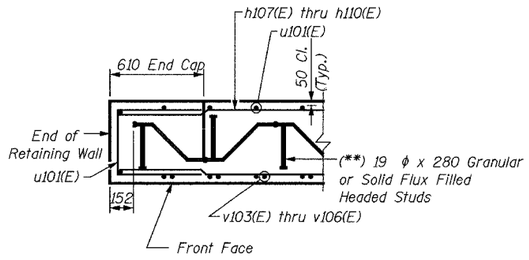
SOUTH END



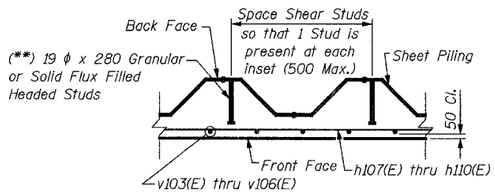
NORTH END

END CAP WALL DETAILS

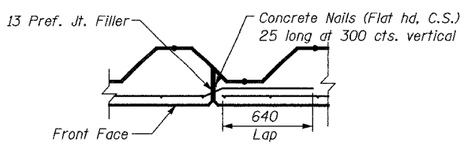
(East Wall, West Wall Similar)



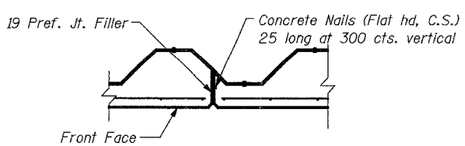
SECTION THRU CAP



TYPICAL SECTION THRU WALL



CONSTRUCTION JOIN DETAILS



EXPANSION JOINT DETAILS

(**) NOTE:

Shear Studs shall be 19 dia. x 208 Granular or Solid Flux Filled Headed Studs conforming to 505.08 (m) of the Standard Specifications automatically end welded in the field to Sheet Piling. The cost of the studs is included in the cost of PERMANENT STEEL SHEET PILING.

NOTES:

See Sheet S2 for notes.

REVISIONS	
NAME	DATE

URS
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VILLAGE OF OAKBROOK

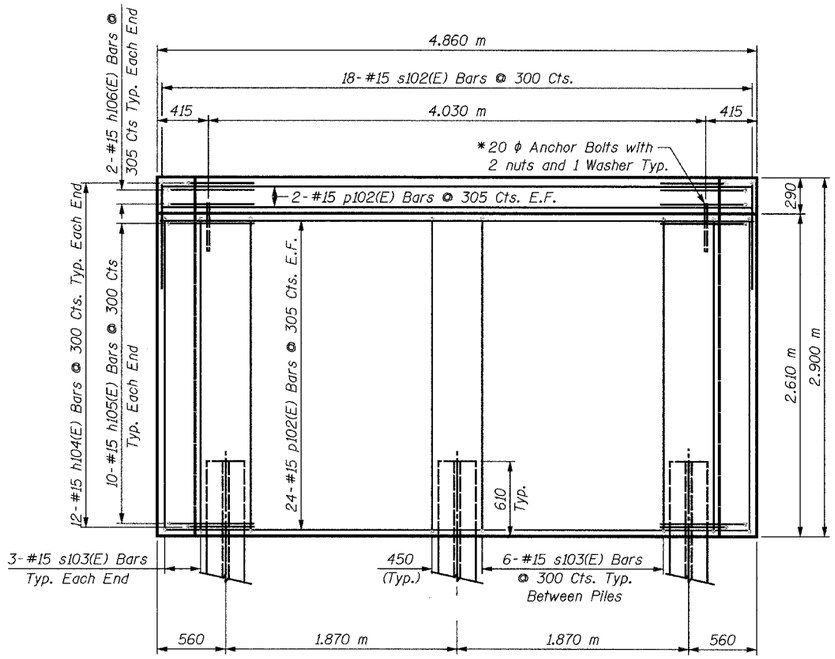
SALT CREEK GREENWAY TRAIL

RET. WALL STA. 18+106 TO 18+138

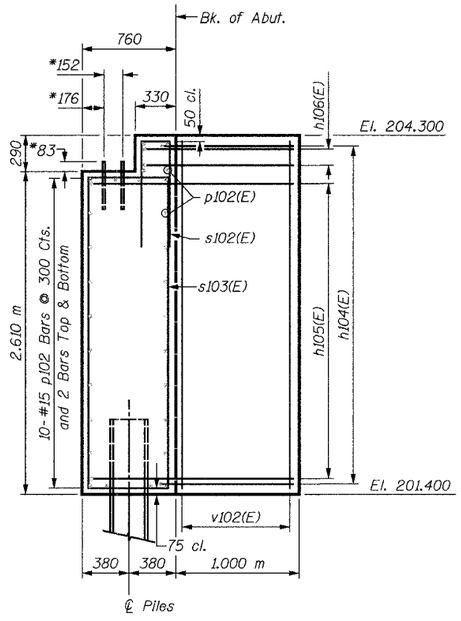
DETAILS

DATE: 06/30/05 DRAWN BY: MDS

DESIGNED BY: MDS CHECKED BY: GAT



ELEVATION



SIDE VIEW

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h104(E)	24	#15	1.90 m	
h105(E)	20	#15	2.56 m	
h106(E)	4	#15	2.13 m	
p102(E)	28	#15	4.76 m	
s102(E)	18	#15	2.49 m	
s103(E)	18	#15	6.56 m	
v102(E)	20	#15	2.80 m	
Concrete Structures			Cu. M	12.0
Reinforcement Bars, Epoxy Coated			kg	690
Furnishing Steel Piles HP310x79			Meter	30
Driving Steel Piles			Meter	30
Metal Shoes			Each	3
Structure Excavation			Cu. M	7

LEGEND

E.F. = Each Face

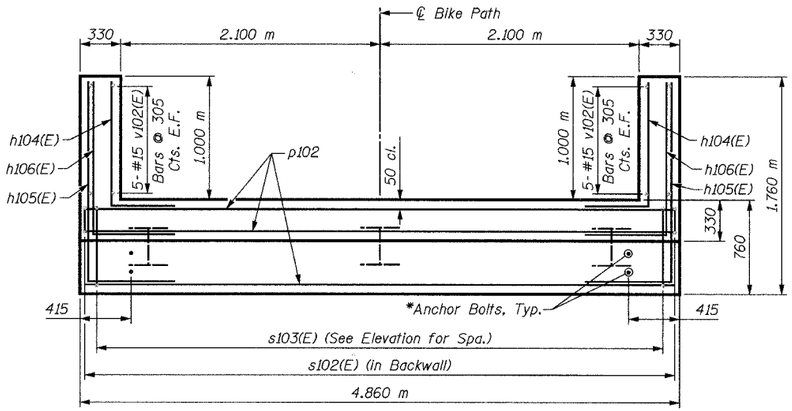
MIN. BAR LAP

#15 = 890

PILE DATA:

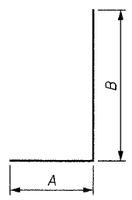
Type: HP310x79
Capacity: Driven to Refusal
Est. Length: 10 m
No. Required: 3

*Anchor bolt size and locations shall be checked against the Bridge Fabricator's requirements prior to setting them.

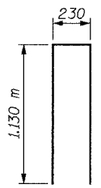


PLAN

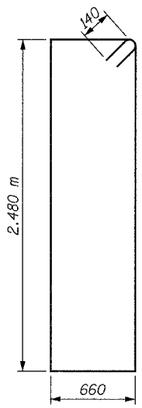
Bar	A	B
h104(E)	0.900 m	1.000 m
h105(E)	0.900 m	1.660 m
h106(E)	0.900 m	1.230 m



BAR h104(E) TO h106(E)



BAR s102(E)



BAR s103(E)

NOTES:

Space reinforcement in cap to miss anchor bolts.

All edges shall have standard 20 mm chamfers except as noted.

For Anchor Bolt Details, see Sheet S32.

There shall be no splicing of longitudinal bars. Bars shall be ordered full length.

Bars designated (E) shall be epoxy coated.

SHEET S4 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
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FAX (847) 228-1115

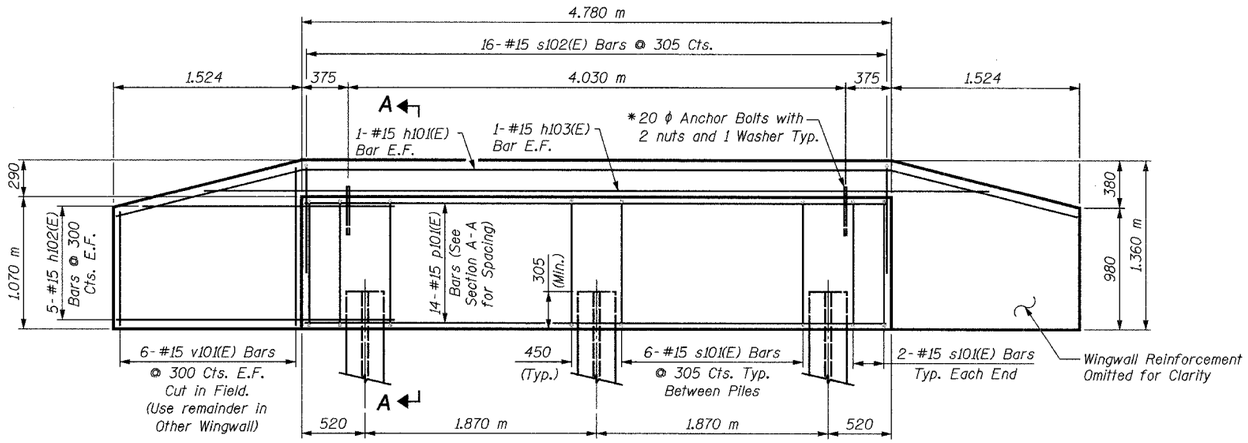
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

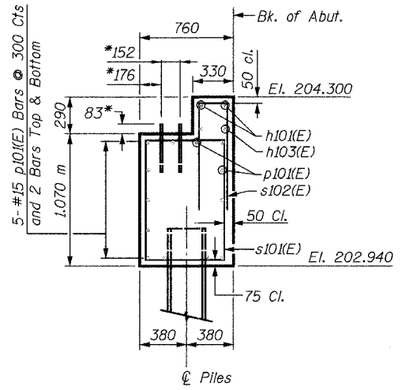
PEDESTRIAN BRIDGE, STA. 18+151.5

NORTH ABUTMENT DETAILS

DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT



ABUTMENT ELEVATION



SECTION A-A

*Anchor bolt size and locations shall be checked against the bridge fabricator's requirements prior to setting them.

BILL OF MATERIAL

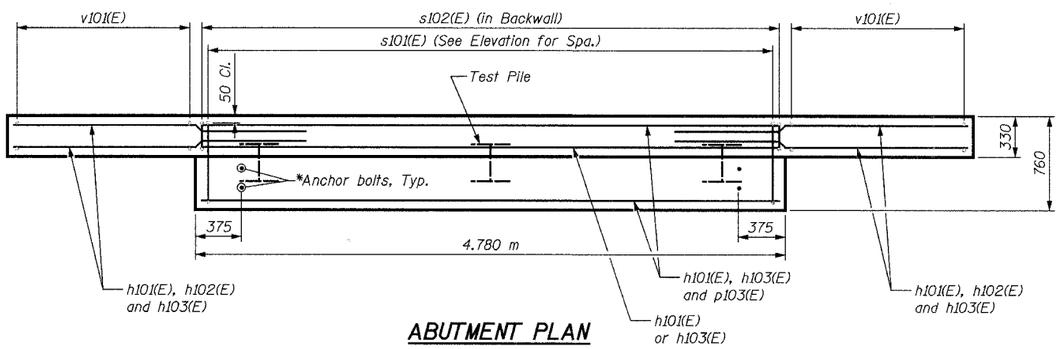
Bar	No.	Size	Length	Shape
h101(E)	2	#15	7.81 m	
h102(E)	20	#15	2.42 m	
h103(E)	2	#15	6.35 m	
p101(E)	14	#15	4.68 m	
s101(E)	16	#15	3.48 m	
s102(E)	16	#15	2.49 m	
v101(E)	12	#15	2.14 m	
Concrete Structures			Cu. M	5.5
Reinforcement Bars, Epoxy Coated			kg	420
Furnishing Steel Piles HP310x79			Meter	20
Driving Steel Piles			Meter	20
Test Pile Steel HP310x79			Each	1
Metal Shoes			Each	2
Structure Excavation			Cu. M	13

LEGEND

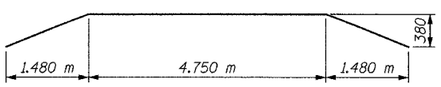
E.F. = Each Face

MIN. BAR LAP

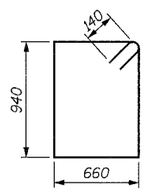
#15 = 890



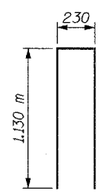
ABUTMENT PLAN



BAR h101(E)



BAR s101(E)



BAR s102(E)

PILE DATA:

Type: HP310x79
Capacity: Driven to Refusal
Est. Length: 10 m
No. Required: 2 + 1 Test Pile

(Test pile shall be a permanent pile driven at the South Abutment)

NOTES:

Space reinforcement in cap to miss anchor bolts.

All edges shall have standard 20 mm chamfers except as noted.

For Anchor Bolt Details, see Sheet S32.

There shall be no splicing of longitudinal bars. Bars shall be ordered full length.

Bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

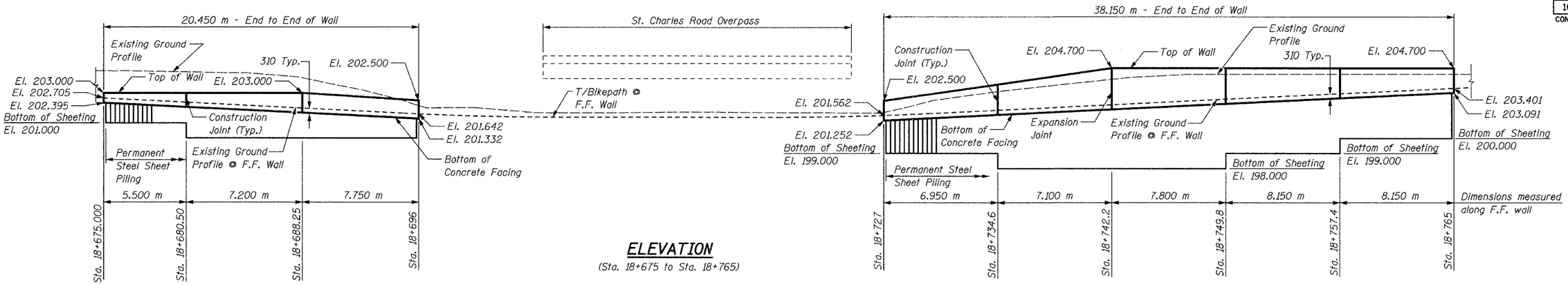
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL PEDESTRIAN BRIDGE, STA. 18+151.5 SOUTH ABUTMENT DETAILS

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

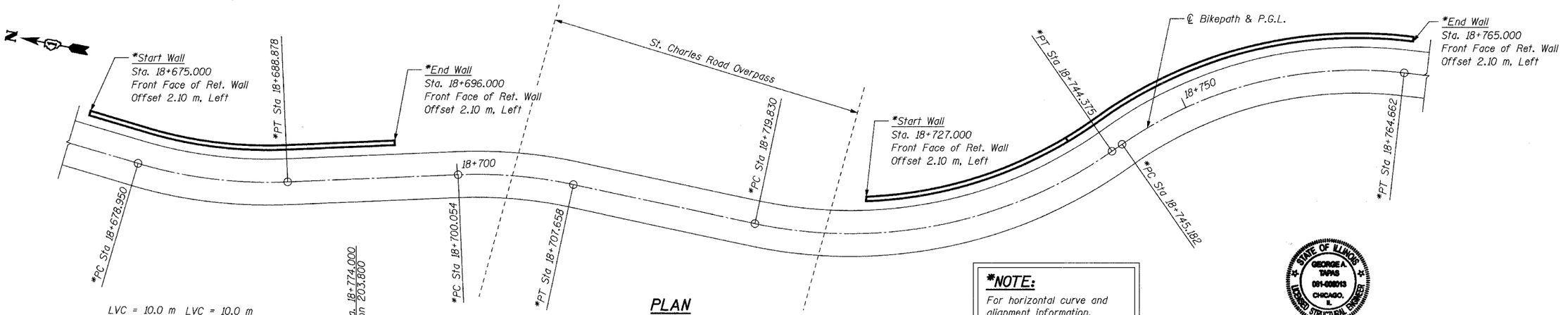
TOTAL SHEETS	SHEET NO.
108	41

CONTRACT NO. 83714



ELEVATION

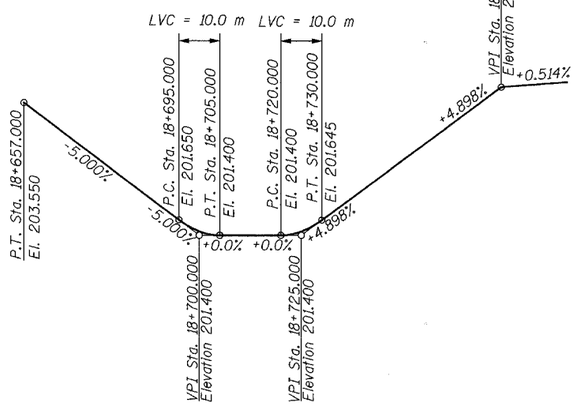
(Sta. 18+675 to Sta. 18+765)



PLAN

(Sta. 18+675 to Sta. 18+765)
(Reinforcement Omitted for Clarity)

***NOTE:**
For horizontal curve and alignment information, see Plan & Profile drawings



PROFILE GRADE

DESIGN LOADING

Equivalent Fluid Lateral Soil Pressure
6.3 kN/Cu. M

DESIGN STRESSES

f'c = 24 MPa
fy = 400 MPa (Reinf.)
fy = 270 MPa (Sheet Piling)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

Illinois Department of Transportation Standard Specifications for Road & Bridge Construction, adopted January 1, 2002 and Supplemental Specifications and Recurring Special adopted January 1, 2004.

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Concrete Structures	Cu. M	36.2
Reinforcement Bars, Epoxy Coated	kg	2,200
Structure Excavation	Cu. M	32.9
Permanent Steel Sheet Piling	Sq. M	255
Pipe Handrail	Meter	59

GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 42M or M 53M Grade 400.
2. 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 work: however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. Steel sheet piling shall conform to the requirements of Section 1006.05 of the Standard Specifications.
4. If the Contractor chooses to alter the sheet piling design requirements shown on the plans for lesser design requirements, then full design submittal including plan details and sealed calculations will be required for review and acceptance by the Engineer.
5. All dimensions are in millimeters (mm) except as noted.
6. For Soil Boring logs, see Special Provisions.
7. Any pre-excavation carried out for placement of the sheet piling shall not extend below the bottom of concrete facing elevation.

STATE OF ILLINOIS
GEORGE A. TAPAS
081-008913
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

Signature: _____
Current Date: 7/21/05
License Expires: 11/30/06

"I certify that to the best of my knowledge, information and belief, this retaining wall 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 the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

SHEET S6 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

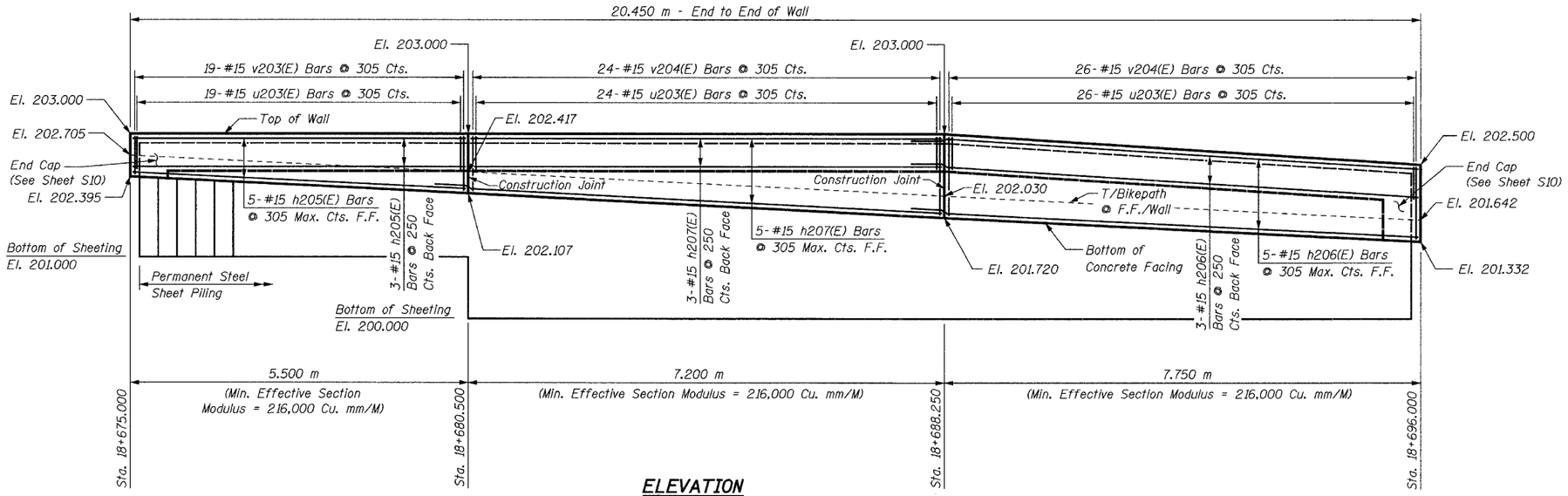
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
RET. WALL, STA 18+665 & 18+727
GENERAL PLAN & ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	42

CONTRACT NO. 83714

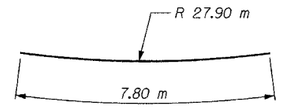


ELEVATION

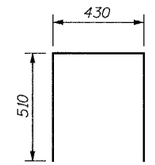
(Sta. 16+675 to Sta. 16+696)

BILL OF MATERIAL

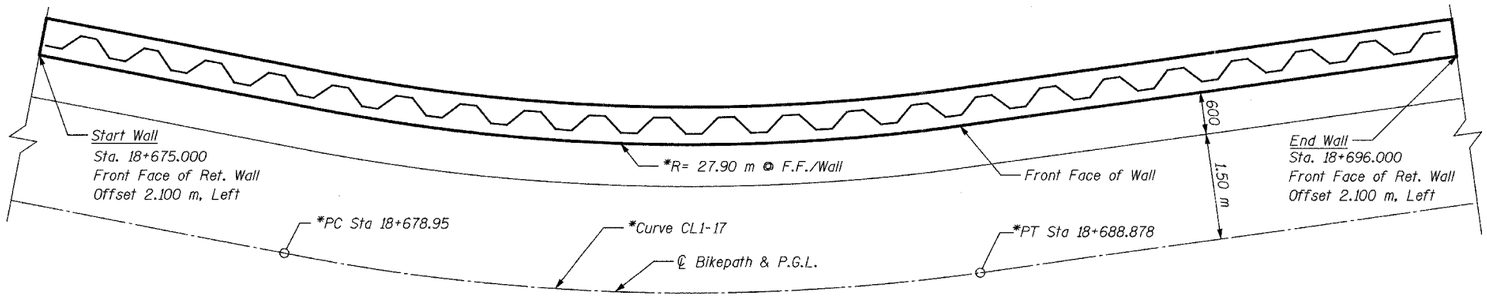
Bar	No.	Size	Length	Shape
h205(E)	8	#15	5.40 m	
h206(E)	8	#15	8.40 m	
h207(E)	8	#15	7.80 m	
u203(E)	79	#15	1.45 m	
v203(E)	21	#15	0.79 m	
v204(E)	52	#15	1.18 m	
Concrete Structures		Cu. M	9.0	
Reinforcement Bars, Epoxy Coated		kg	580	
Structure Excavation		Cu. M	11.5	
Permanent Steel Sheet Piling		Sq. M	51	
Pipe Handrail		Meter	21	



h207(E)



u203(E)



PLAN

(Sta. 16+675 to Sta. 16+696)
(Reinforcement Omitted for Clarity)

***NOTE:**

For horizontal curve and alignment information, see Plan & Profile drawings.

NOTES:

Cut h(E) and v(E) bars as necessary in field to fit.

Minimum lap for #15 bar - 640 mm

All exposed edges of concrete shall have a 20 mm chamfer unless shown otherwise.

For minimum effective section modulus properties for sheet piling sections, refer to special provision for Permanent Steel Sheet Piling.

Work this sheet with Sheet S6 thru S10.

Bars designated (E) shall be epoxy coated.

All dimensions are in millimeters (mm) except as noted.

For Typical Section thru Wall, see Sheet S10.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

RET. WALL STA. 18+665 TO 18+696

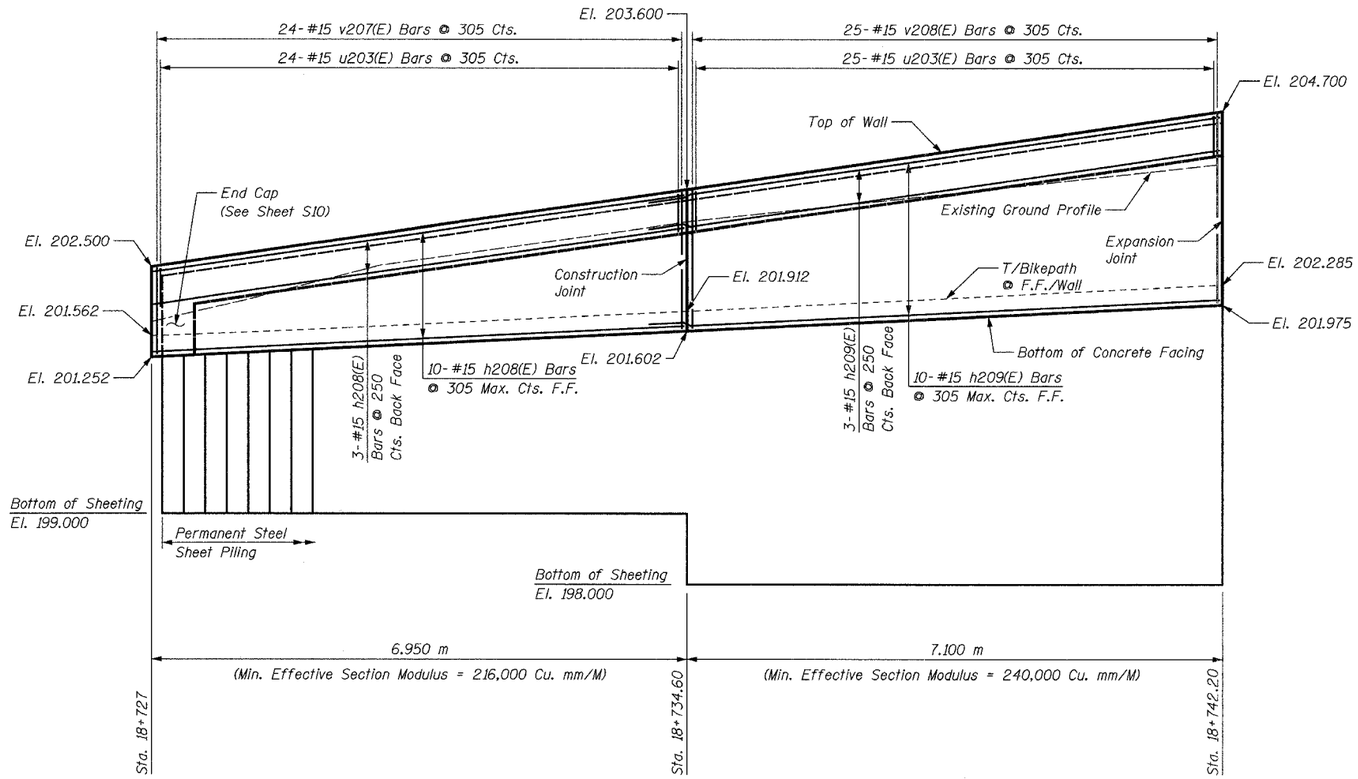
PLAN & ELEVATION

DATE: 06/30/05 DRAWN BY: MDS

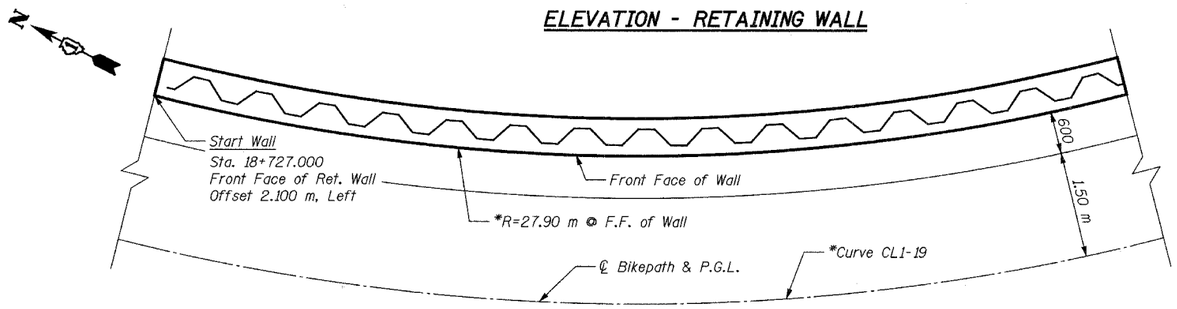
DESIGNED BY: MDS CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	43

CONTRACT NO. 83714



ELEVATION - RETAINING WALL

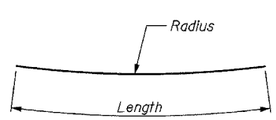


PLAN - RETAINING WALL

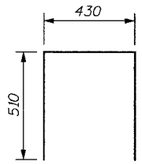
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h208(E)	13	#15	6.85 m	
h209(E)	13	#15	7.74 m	
u203(E)	59	#15	1.45 m	
v207(E)	24	#15	1.89 m	
v208(E)	25	#15	2.62 m	
Concrete Structures			Cu. M	9.6
Reinforcement Bars, Epoxy Coated			kg	610
Structure Excavation			Cu. M	7.9
Permanent Steel Sheet Piling			Sq. M	70
Pipe Handrail			Meter	14

Bar	Radius	Length
h208(E)	27.90 m	6.85 m
h209(E)	27.90 m	7.74 m



h208(E) & h209(E)



u203(E)

*NOTE:

For horizontal curve and alignment information, see Plan & Profile drawings.

NOTES:

For Notes see Sheet S7.

SHEET S8 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
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TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

RET. WALL STA. 18+727 TO 18+742.2

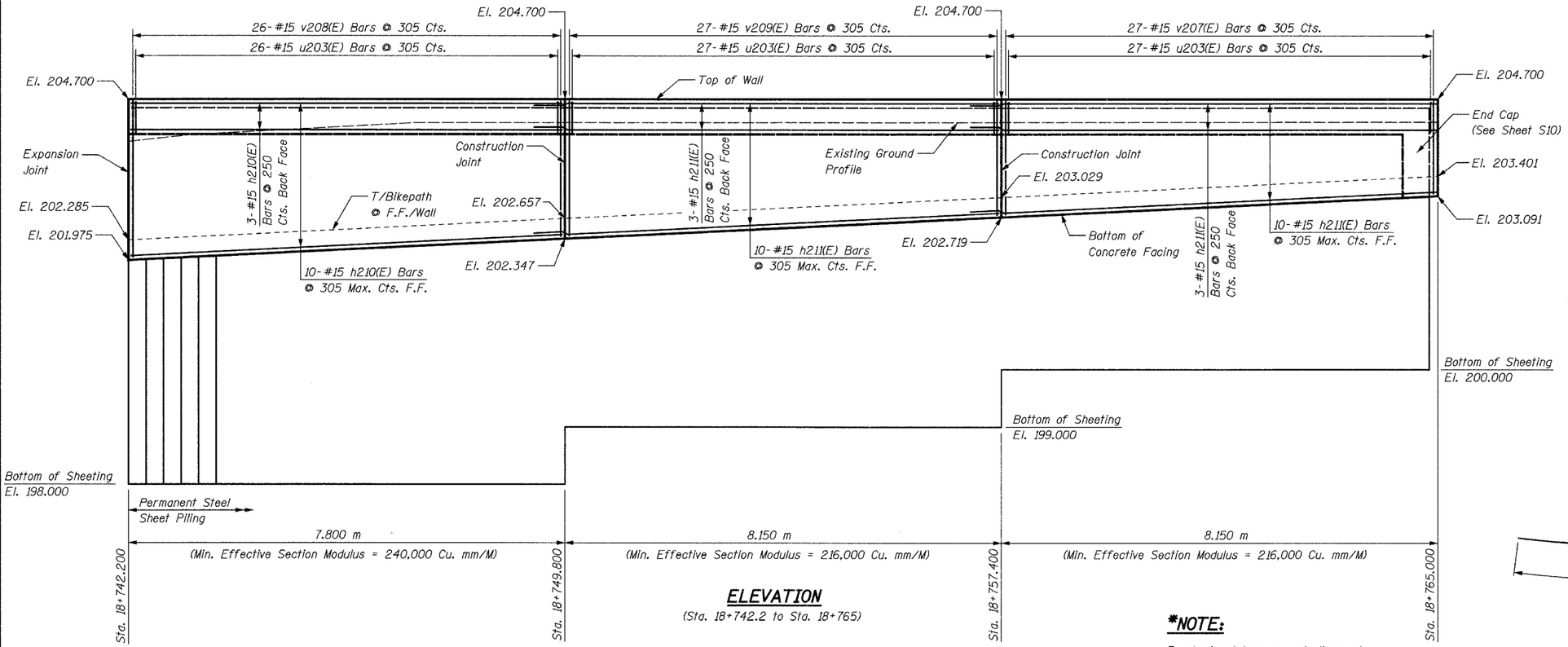
PLAN & ELEVATION

DATE: 06/30/05 DRAWN BY: MDS

DESIGNED BY: MDS CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	44

CONTRACT NO. 83714

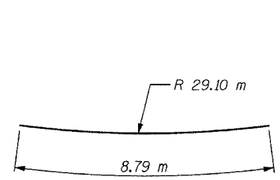


ELEVATION

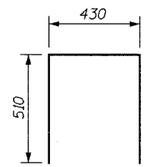
(Sta. 18+742.2 to Sta. 18+765)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h210(E)	13	#15	7.70 m	
h211(E)	26	#15	8.79 m	
u203(E)	90	#15	1.45 m	
v207(E)	27	#15	1.89 m	
v208(E)	26	#15	2.62 m	
v209(E)	27	#15	2.25 m	
Concrete Structures			Cu. M	17.6
Reinforcement Bars, Epoxy Coated			kg	1,010
Structure Excavation			Cu. M	13.5
Permanent Steel Sheet Piling			Sq. M	134
Pipe Handrail			Meter	24



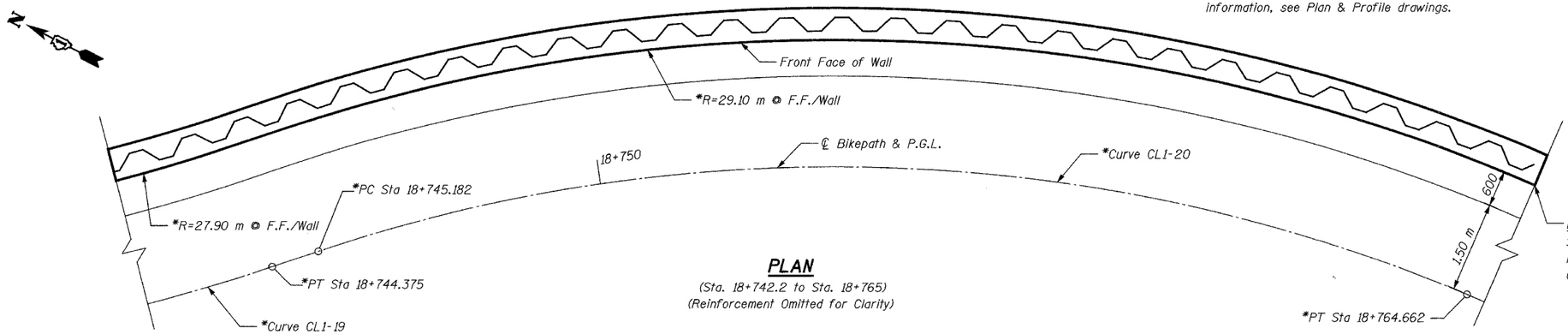
h211(E)



u203(E)

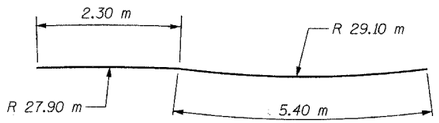
***NOTE:**

For horizontal curve and alignment information, see Plan & Profile drawings.



PLAN

(Sta. 18+742.2 to Sta. 18+765)
(Reinforcement Omitted for Clarity)



h210(E)

NOTES:

For Notes see Sheet S7.

REVISIONS	
NAME	DATE

URS
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FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

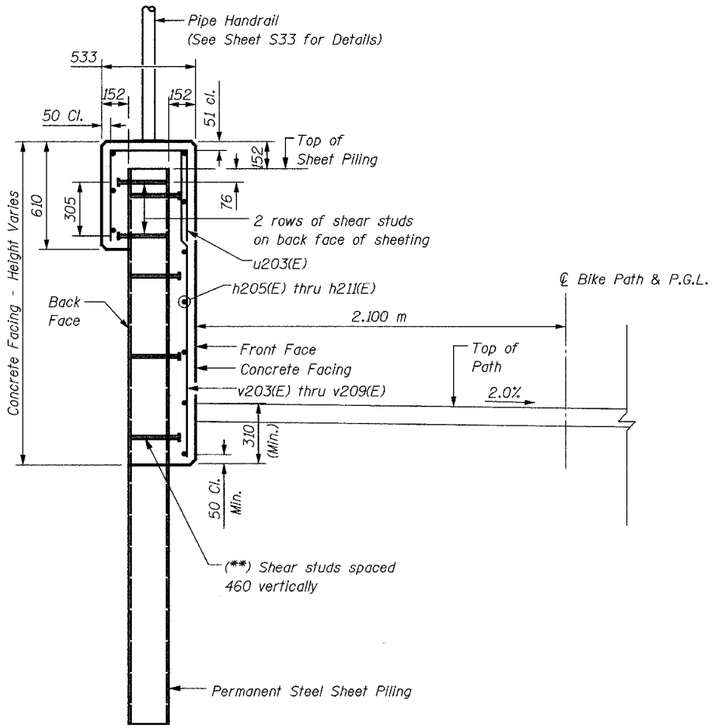
RET. WALL STA. 18+742.2 TO 18+765

PLAN & ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

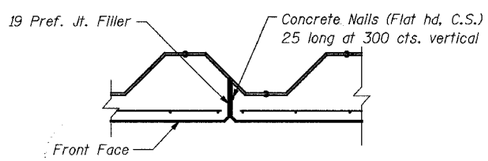
TOTAL SHEETS	SHEET NO.
108	45

CONTRACT NO. 83714

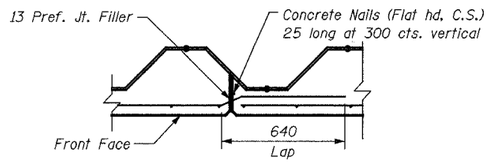


SECTION THRU WEST WALL

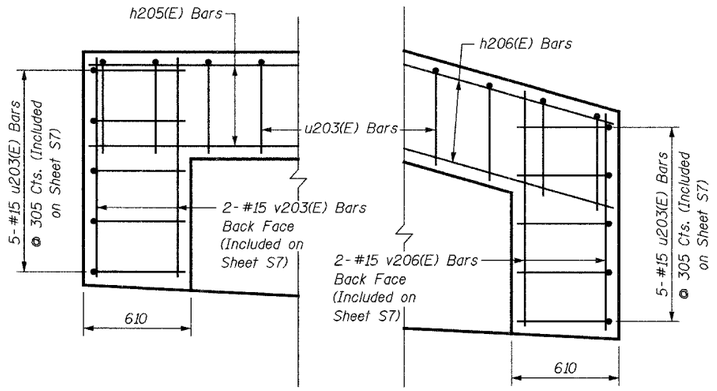
(Section Sta. 18+675 to Sta. 18+696)
(Section Sta. 18+727 to Sta. 18+765)



EXPANSION JOINT DETAILS



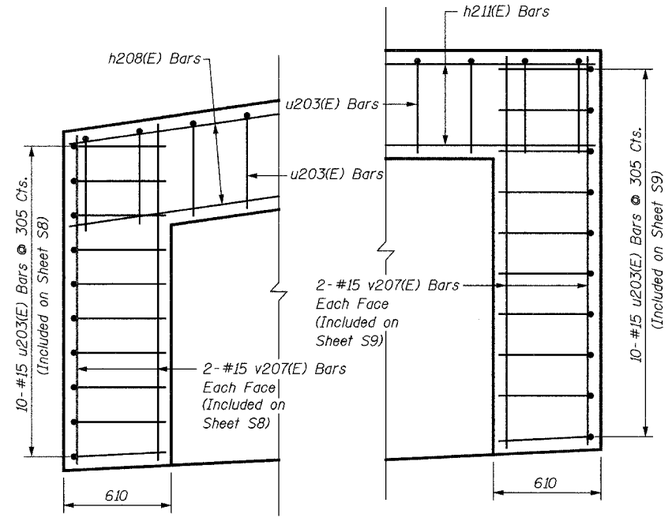
CONSTRUCTION JOINT DETAILS



NORTH END SOUTH END

END CAP WALL DETAILS

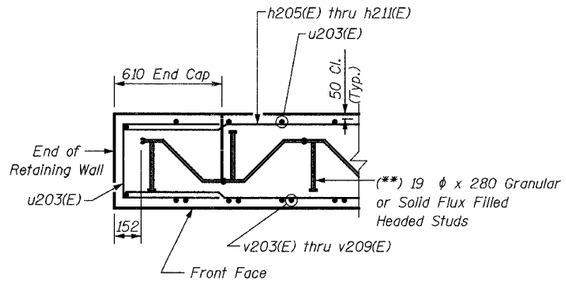
(Sta. 18+675 to 18+696)



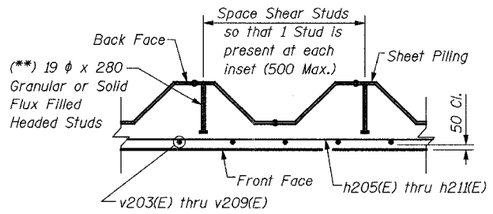
NORTH END SOUTH END

END CAP WALL DETAILS

(Sta. 18+727 to 18+765)



TYPICAL SECTION THRU CAP



SECTION THRU WALL

(**) NOTE:

Shear Studs shall be 19 dia. x 208 Granular or Solid Flux Filled Headed Studs conforming to 505.08 (m) of the Standard Specifications automatically end welded in the field to Sheet Piling. The cost of the studs is included in the cost of PERMANENT STEEL SHEET PILING.

NOTES:

See Sheet S7 for notes.

SHEET S10 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

RET. WALL STA. 18+665 & 18+727

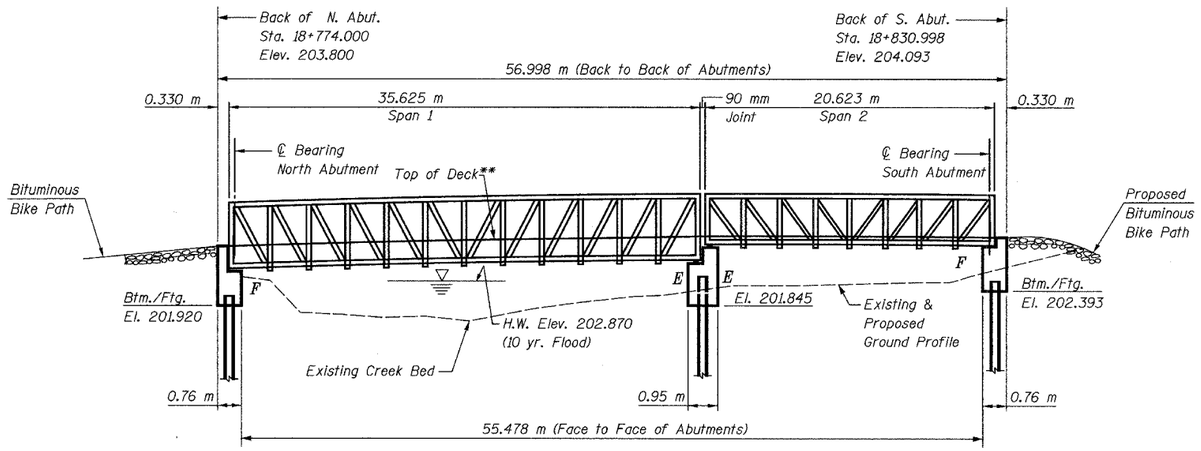
DETAILS

DATE: 06/30/05 DRAWN BY: MDS

DESIGNED BY: MDS CHECKED BY: GAT

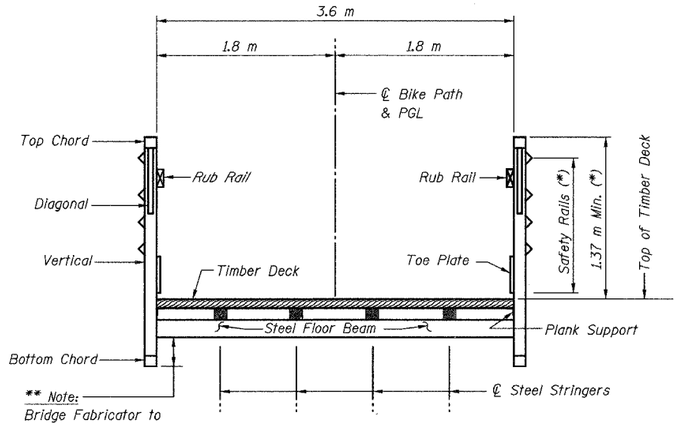
TOTAL SHEETS	SHEET NO.
108	46

CONTRACT NO. 83714



ELEVATION OF BRIDGE OVER SALT CREEK (WEIGH STATION)

(Looking East)



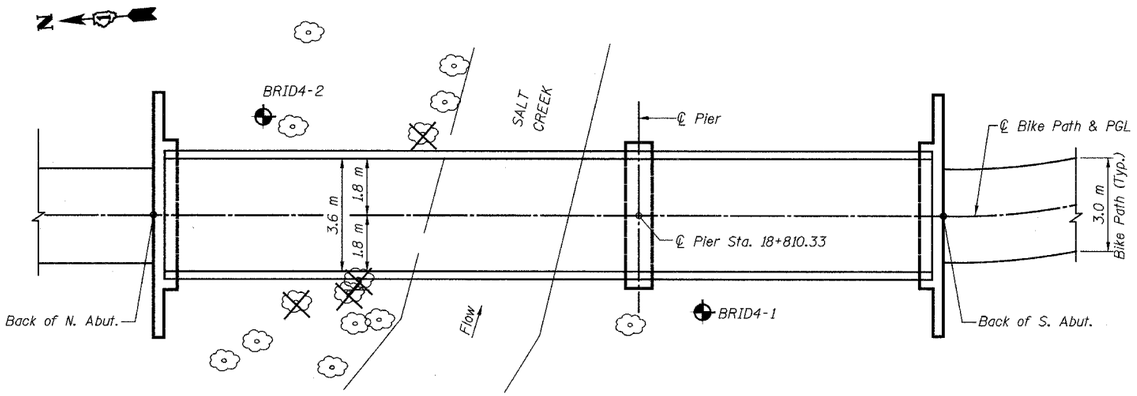
** Note:
Bridge Fabricator to adjust depth so that bottom chord elevation is above high water elevation

TYPICAL CROSS SECTION

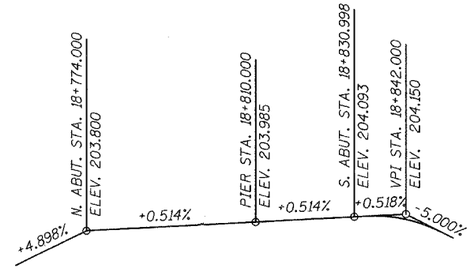
(*) Note:
If the top of the top chord is greater than 1.37 m above the top of deck, a second rub rail shall be placed at 1.37 m above top of deck.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu. M	32
Concrete Structures	Cu. M	19.6
Reinforcement Bars, Epoxy Coated	kg	1370
Pedestrian Bridge Superstructure	Sq. M	204
Furnishing Steel Piles HP310x79	Meter	88
Driving Steel Piles	Meter	88
Test Pile Steel HP310x79	Each	1
Metal Shoes	Each	8



PLAN



PROFILE GRADE

GENERAL NOTES:

1. The superstructure, including all truss members, railings, toe plates, bearings, wood deck, and all attachments on superstructure, shall be designed and detailed by the Contractor.
2. Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 42M, or M 53M Grade 400.
3. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 3 mm. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 3 mm adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
4. The Contractor shall drive one (1) test pile in the permanent location at the North Abutment (center pile of group) as directed by the Engineer before ordering the remainder of the piles.
5. The profile of the structure shall be as shown, and as specified in the Special Provisions for camber.
6. The Contractor shall verify the final location of anchor bolts with the Bridge Manufacturer prior to construction and placement.
7. All dimensions are in millimeters (mm) except as noted.
8. For Soil Boring Logs, see Special Provisions.

STATE OF ILLINOIS
GEORGE A. TAPAS
081-008013
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

Signature: G. A. Tapas
Current Date: 7/21/05
License Expires: 11/30/06

"I certify that to the best of my knowledge information and belief, this bridge 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 the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0

LEGEND

- Tree to Remain
- Tree to Be Removed
- Soil Boring

LOADING

Live Loading + Impact
4100 N/Sq. M Live Load
(May be adjusted for influence area)
50 kN Vehicle Load (MS-5 Truck)

Equivalent Fluid Lateral Soil Pressure
6.3 kN/Cu. M

DESIGN STRESSES

f'c = 24 MPa

fy = 400 MPa (Reinf.)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

Illinois Department of Transportation Standard Specifications for Road & Bridge Construction, Adopted January 1, 2002 and Supplemental Specifications and Recurring Special Provisions adopted January 1, 2004.

AASHTO Guide Specifications for the Design of Pedestrian Bridges, 1997 Edition.

CLASSIFICATION

Pedestrian/Bicycle Bridge

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
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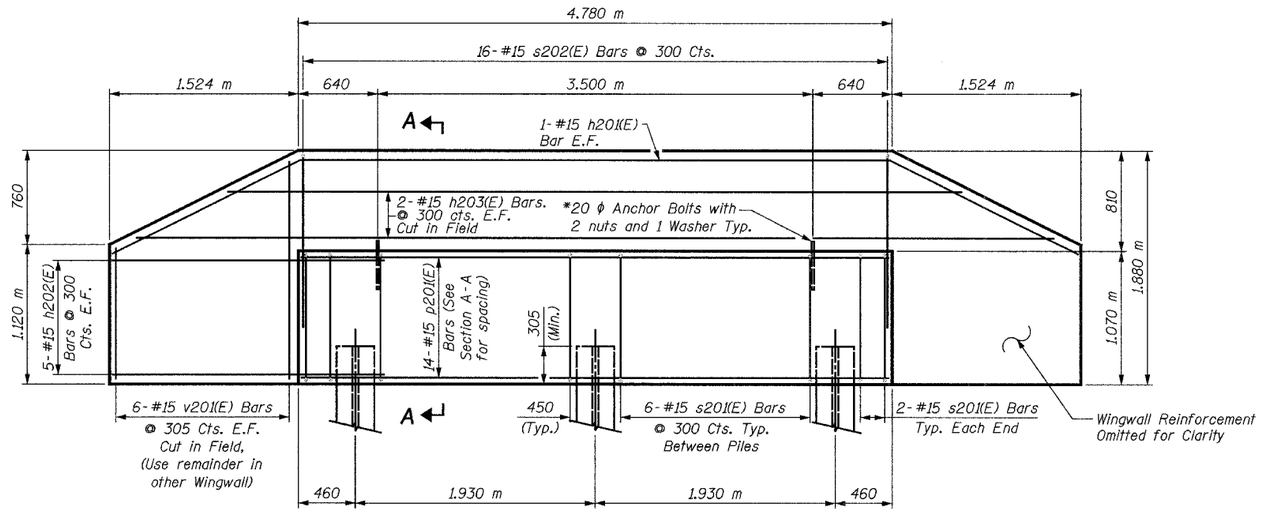
TEL (847) 228-0707
FAX (847) 228-1115

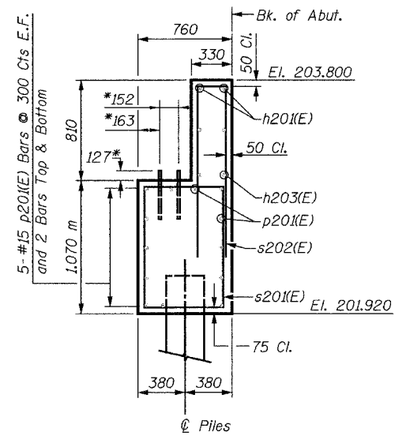
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
PEDESTRIAN BRIDGE, STA. 18+802.5
GENERAL PLAN AND ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT



ELEVATION



SECTION A-A

*Anchor bolt size and locations shall be checked against the bridge fabricator's requirements prior to setting them.

BILL OF MATERIAL

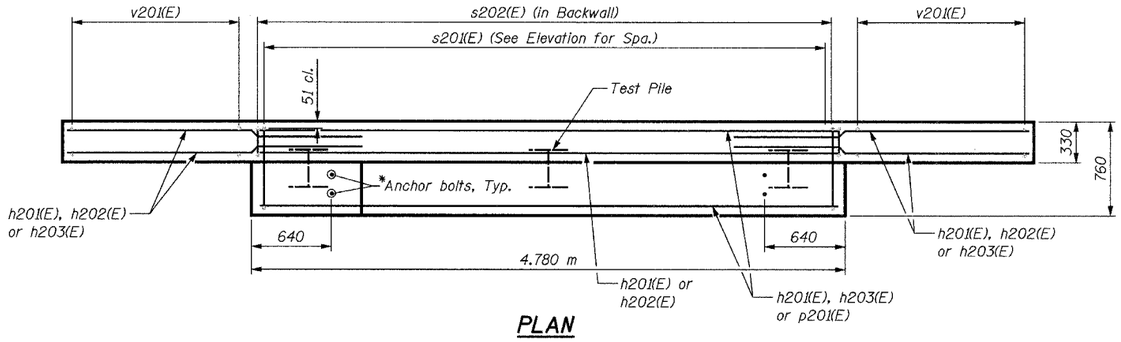
Bar	No.	Size	Length	Shape
h201(E)	2	#15	8.08 m	
h202(E)	20	#15	2.42 m	
h203(E)	4	#15	7.40 m	
p201(E)	14	#15	4.68 m	
s201(E)	16	#15	3.48 m	
s202(E)	16	#15	3.53 m	
v201(E)	12	#15	2.75 m	
Concrete Structures			Cu. M	6.7
Reinforcement Bars, Epoxy Coated			kg	480
Furnishing Steel Pile HP310x79			Meter	22
Driving Steel Piles			Meter	22
Test Pile Steel HP310x79			Each	1
Metal Shoes			Each	2
Structure Excavation			Cu. M	20

LEGEND

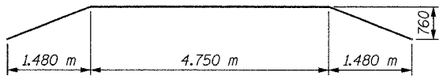
E.F. = Each Face

MIN. BAR LAP

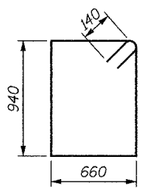
#15 = 890



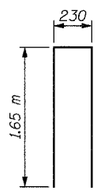
PLAN



BAR h201(E)



BAR s201(E)



BAR s202(E)

PILE DATA:

Type: HP310x79
Capacity: Driven to Refusal
Est. Length: 11 m
No. Required: 2 + 1 Test Pile

Test Pile shall be a permanent pile driven at the North Abutment)

NOTES:

Space reinforcement in cap to miss anchor bolts.

All edges shall have standard 20 mm chamfers except as noted.

For Anchor Bolt Details, see Sheet S32.

There shall be no splicing of longitudinal bars. Bars shall be ordered full length.

Bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

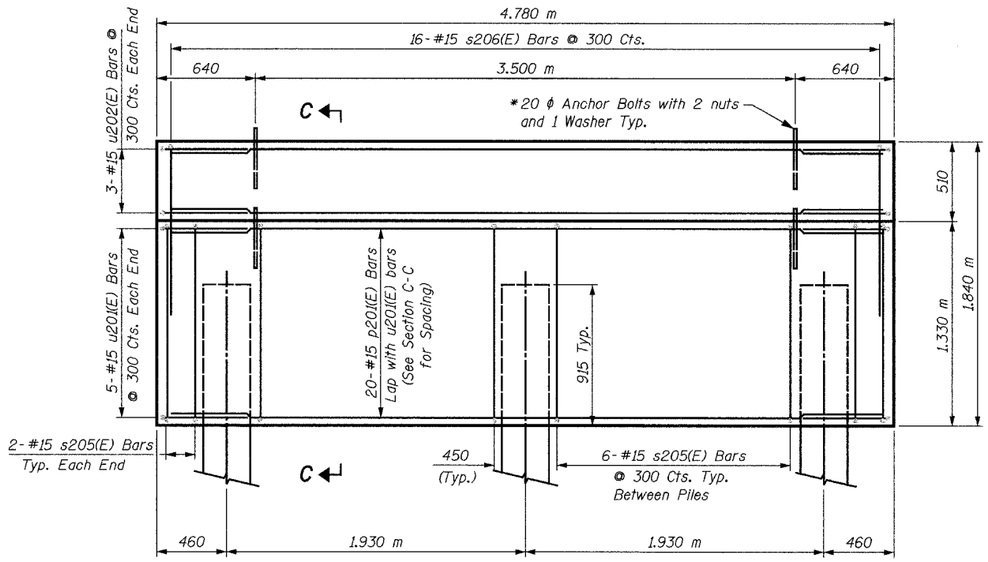
PEDESTRIAN BRIDGE, STA. 18+802.5

NORTH ABUTMENT DETAILS

DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	48

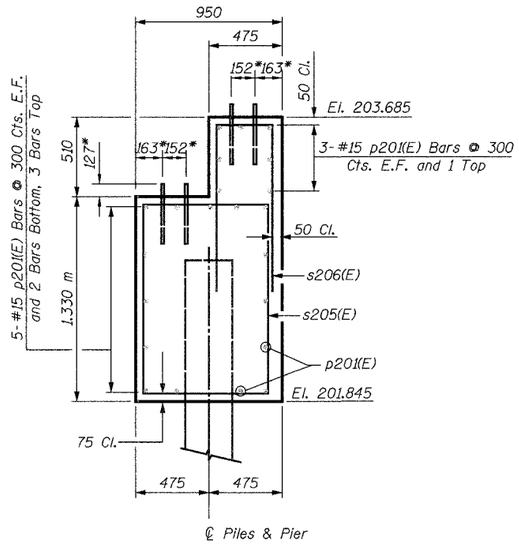
CONTRACT NO. 83714



ELEVATION

PILE DATA:

Type: HP310x79
Capacity: Driven to Refusal
Est. Length: 11 m
No. Required: 3



SECTION C-C

*Anchor bolt size and locations shall be checked against the bridge fabricator's requirements prior to setting them.

BILL OF MATERIAL

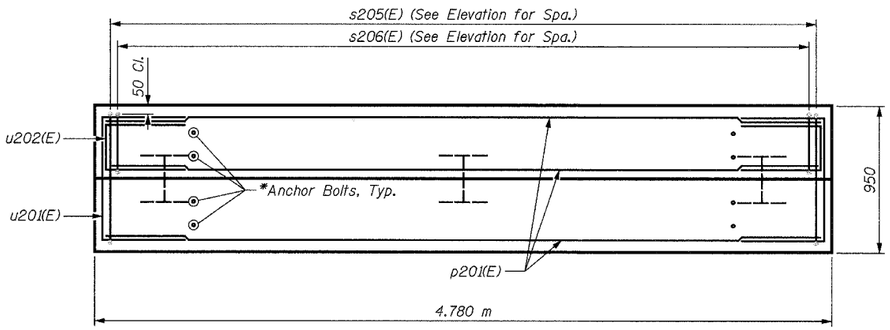
Bar	No.	Size	Length	Shape
p201(E)	22	#15	4.68 m	
s205(E)	16	#15	4.36 m	
s206(E)	16	#15	3.07 m	
u201(E)	10	#15	2.65 m	
u202(E)	6	#15	2.17 m	
Concrete Structures			Cu. M	6.1
Reinforcement Bars, Epoxy Coated			kg	420
Furnishing Steel Piles HP310x79			Meter	33
Driving Steel Piles			Meter	33
Metal Shoes			Each	3
Structure Excavation			Cu. M	5

LEGEND

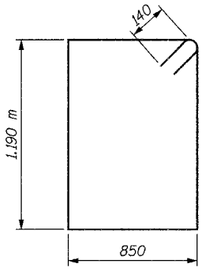
E.F. = Each Face

MIN. BAR LAP

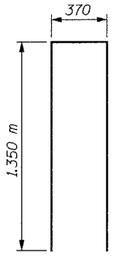
#15 = 890



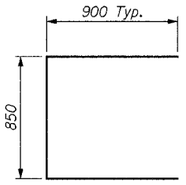
PLAN



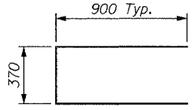
BAR s205(E)



BAR s206(E)



BAR u201(E)



BAR u202(E)

NOTES:

Space reinforcement in cap to miss anchor bolts.

All edges shall have standard 20 mm chamfers except as noted.

For Anchor Bolt Details, see Sheet S32.

There shall be no splicing of longitudinal bars. Bars shall be ordered full length.

Bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
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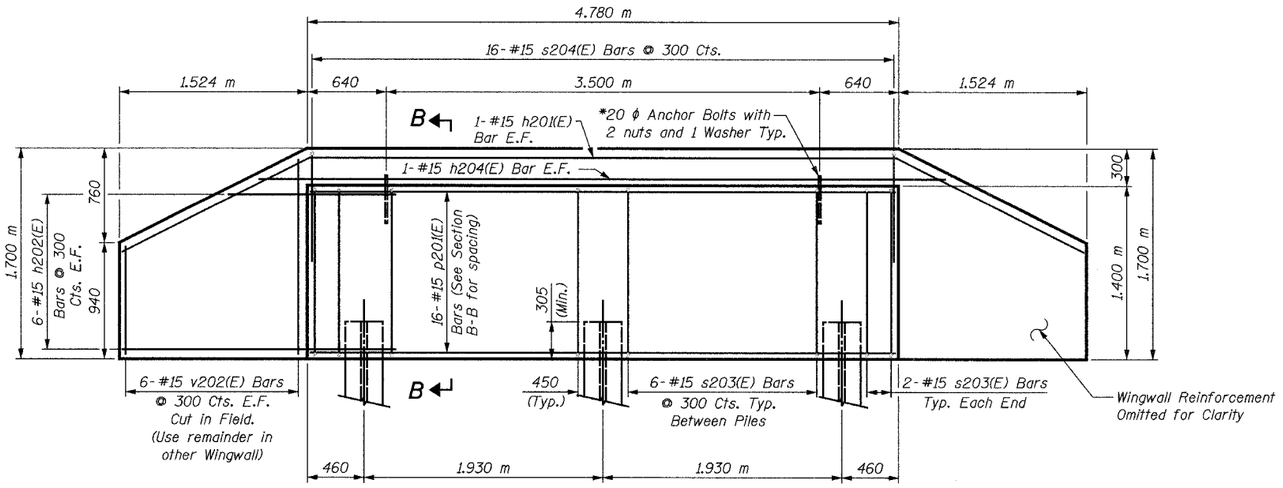
TEL (847) 228-0707
FAX (847) 228-1115

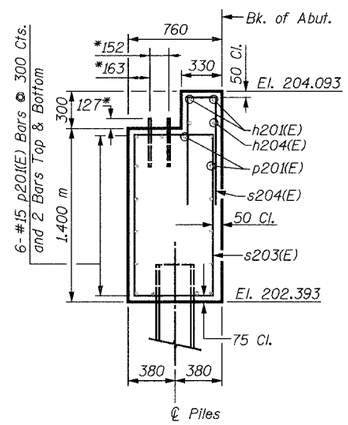
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
PEDESTRIAN BRIDGE, STA. 18+802.5
PIER DETAILS

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT



ELEVATION

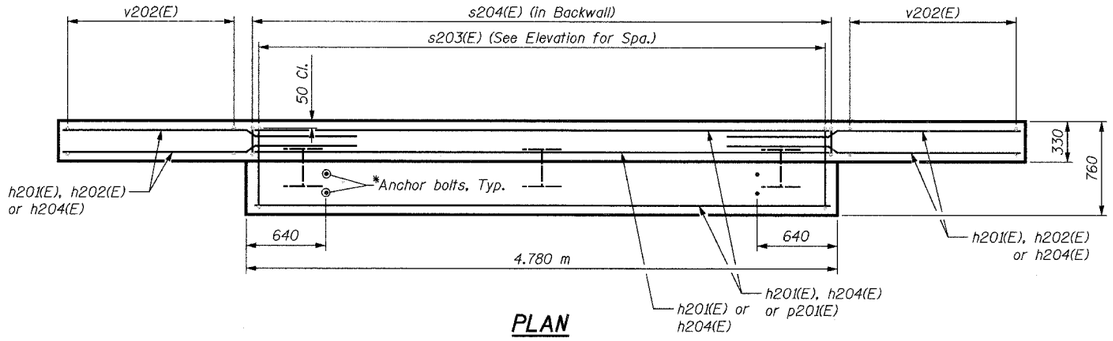


SECTION B-B

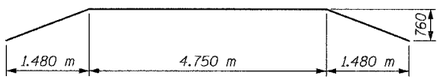
*Anchor bolt size and locations shall be checked against the bridge fabricator's requirements prior to setting them.

BILL OF MATERIAL

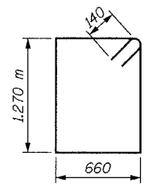
Bar	No.	Size	Length	Shape
h201(E)	2	#15	8.08 m	
h202(E)	24	#15	2.42 m	
h204(E)	2	#15	5.56 m	
p201(E)	16	#15	4.68 m	
s203(E)	16	#15	4.14 m	
s204(E)	16	#15	2.51 m	
v202(E)	12	#15	2.44 m	
Concrete Structures			Cu. M	6.9
Reinforcement Bars, Epoxy Coated			kg	470
Furnishing Steel Piles HP310x79			Meter	33
Driving Steel Piles			Meter	33
Metal Shoes			Each	3
Structure Excavation			Cu. M	7



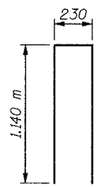
PLAN



BAR h201(E)



BAR s203(E)



BAR s204(E)

PILE DATA:

Type: HP310x79
Capacity: Driven to Refusal
Est. Length: 11 m
No. Required: 3

LEGEND

E.F. = Each Face

MIN. BAR LAP

#15 = 890

NOTES:

Space reinforcement in cap to miss anchor bolts.

All edges shall have standard 20 mm chamfers except as noted.

For Anchor Bolt Details, see Sheet S32.

There shall be no splicing of longitudinal bars. Bars shall be ordered full length.

Bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

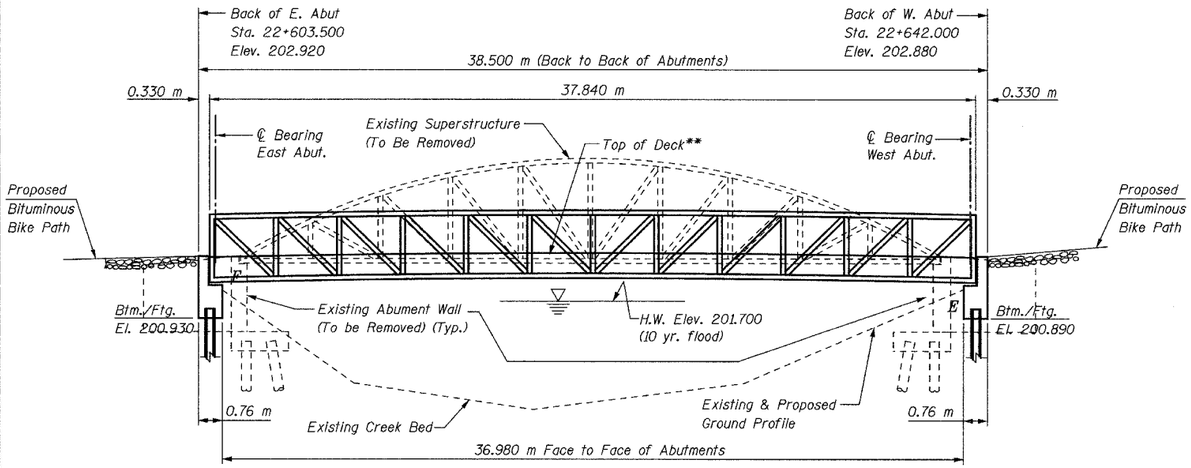
PEDESTRIAN BRIDGE, STA. 18+802.5

SOUTH ABUTMENT DETAILS

DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT

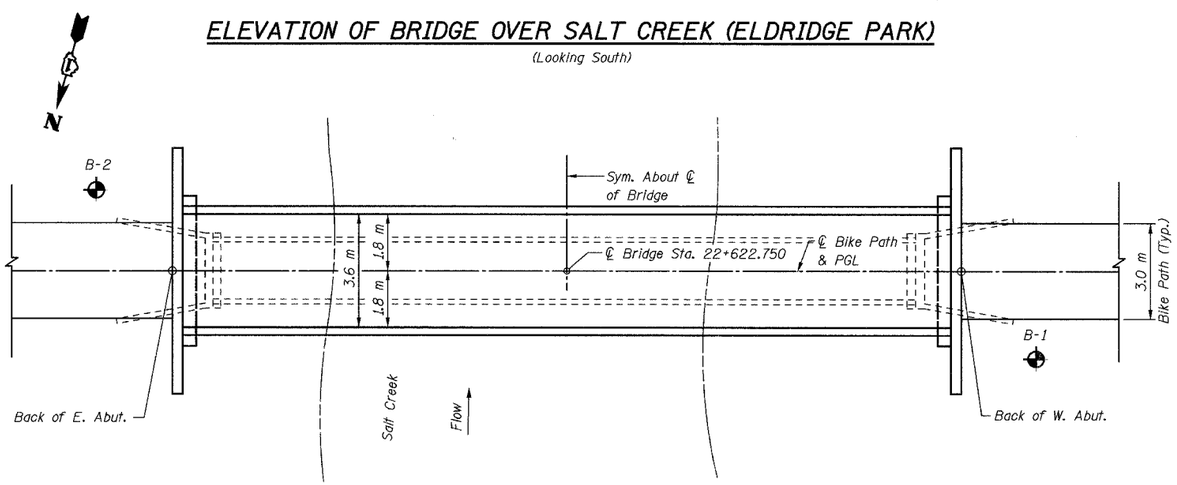
TOTAL SHEETS	SHEET NO.
108	50

CONTRACT NO. 83714

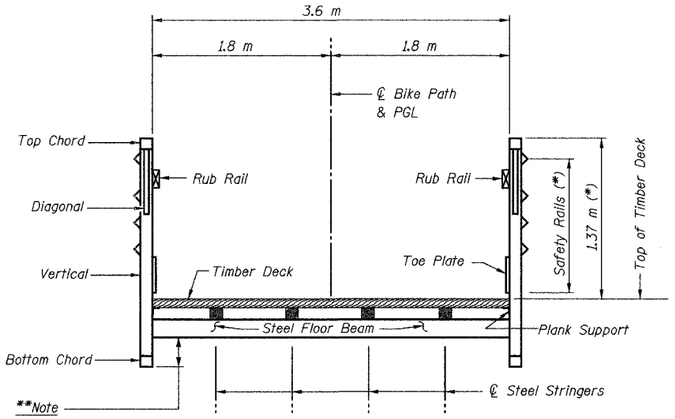


ELEVATION OF BRIDGE OVER SALT CREEK (ELDRIDGE PARK)

(Looking South)



PLAN



**Note
Bridge Fabricator to adjust depth so that bottom chord elevation is above high water elevation.

TYPICAL CROSS SECTION

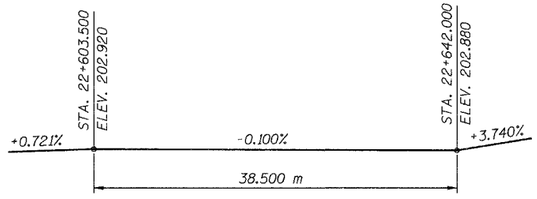
(*) Note:
If the top of the chord is greater than 1.37 m above the top of deck, a second rub rail shall be placed at 1.37 m above top of deck.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu. M	42
Concrete Structures	Cu. M	13.9
Reinforcement Bars, Epoxy Coated	kg	990
Pedestrian Bridge Superstructure	Sq. M	139
Furnishing Steel Piles HP310x79	Meter	100
Driving Steel Piles	Meter	100
Test Pile Steel HP310x79	Each	1
Metal Shoes	Each	5
Concrete Removal	Cu. M	10
Removal of Existing Superstructures	Each	1

GENERAL NOTES:

1. The superstructure, including all truss members, railings, toe plates, bearings, wood deck, and all attachments on superstructure, shall be designed and detailed by the Contractor.
2. Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 42M, or M 53M Grade 400.
3. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 3 mm. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 3 mm adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
4. The Contractor shall drive one (1) test pile in the permanent location at the West Abutment (center pile of group) as directed by the Engineer before ordering the remainder of the piles.
5. The profile of the structure shall be as shown, and as specified in the Special Provisions for camber.
6. The Contractor shall verify the final location of anchor bolts with the Bridge Manufacturer prior to construction and placement.
7. All dimensions are in millimeters (mm) except as noted.
8. For Soil Boring Logs see Special Provisions.



PROFILE GRADE

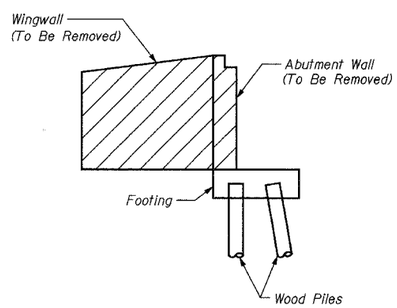
STATE OF ILLINOIS
GEORGE A. TAPAS
001-008013
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

Signature: _____

Current Date: 7/21/05

License Expires: 11/30/06

"I certify that to the best of my knowledge, information and belief, this bridge 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 the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."



EXISTING ABUTMENT

(Showing Removal)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

Illinois Department of Transportation Standard Specifications for Road & Bridge Construction, adopted January 1, 2002 and Supplemental Specifications and Recurring Special Provisions adopted January 1, 2004.

AASHTO Guide Specifications for the Design of Pedestrian Bridges, 1997 Edition.

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0

CLASSIFICATION

Pedestrian/Bicycle Bridge

DESIGN STRESSES

f'c = 24 MPa

fy = 400 MPa (Reinf.)

LOADING

Live Loading + Impact

4100 N/Sq. M Live Load
(May be adjusted for influence area)
50kN Vehicle Load (MS-5 Truck)

Equivalent Fluid Lateral Soil Pressure

6.3 kN/Cu. M

LEGEND

Soil Boring

Concrete Removal

SHEET S15 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

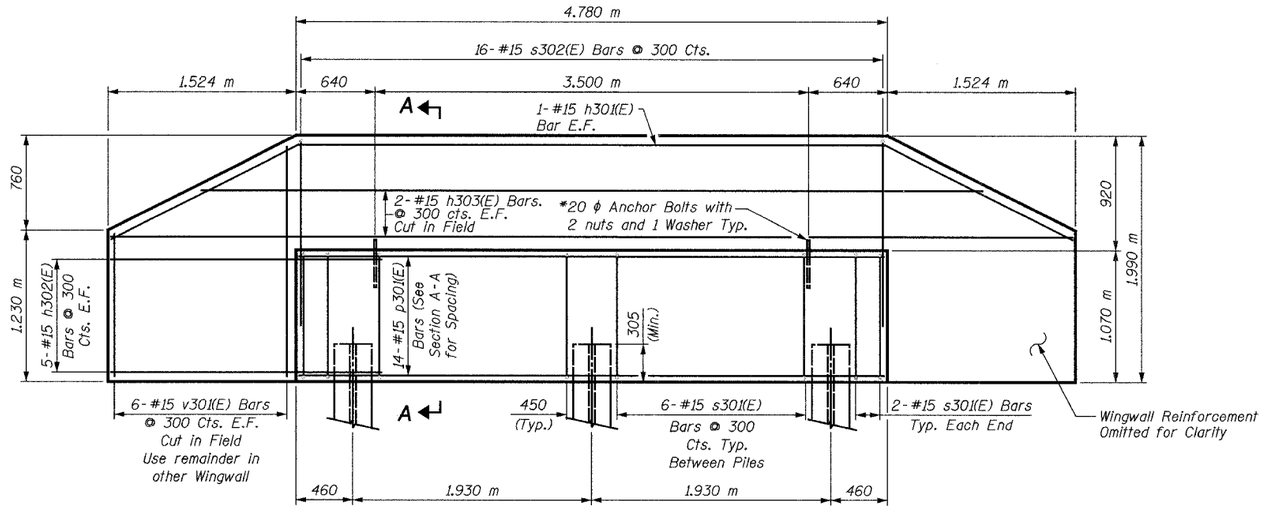
SALT CREEK GREENWAY TRAIL

PEDESTRIAN BRIDGE, STA 22+622.75

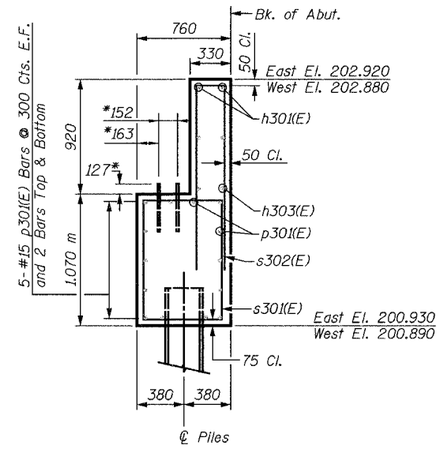
GENERAL PLAN AND ELEVATION

DATE: 06/30/05 DRAWN BY: MDS

DESIGNED BY: MDS CHECKED BY: GAT



ELEVATION



SECTION A-A

*Anchor bolt size and locations shall be checked against the bridge fabricator's requirements prior to setting them.

BILL OF MATERIAL

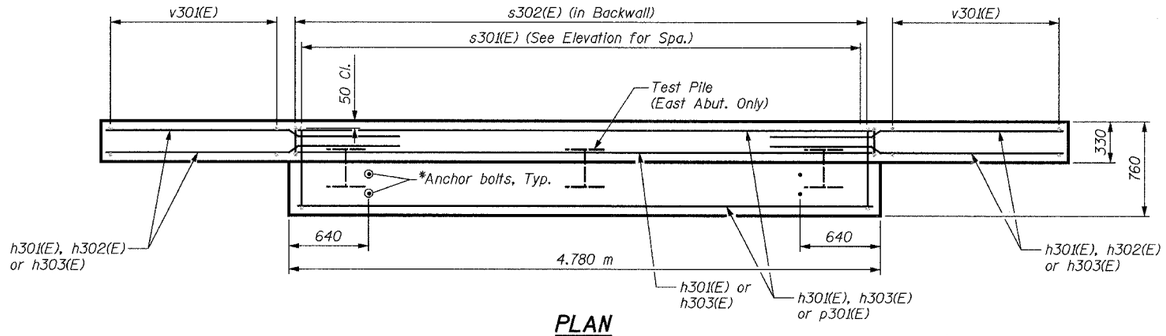
Bar	No.	Size	Length	Shape
h301(E)	4	#15	8.08 m	
h302(E)	40	#15	2.42 m	
h303(E)	8	#15	7.72 m	
p301(E)	28	#15	4.68 m	
s301(E)	32	#15	3.48 m	
s302(E)	32	#15	3.75 m	
v301(E)	24	#15	3.02 m	
Concrete Structures			Cu. M	13.9
Reinforcement Bars, Epoxy Coated			kg	990
Furnishing Steel Piles HP310x79			Meter	100
Driving Steel Piles			Meter	100
Test Pile Steel HP310x79			Each	1
Metal Shoes			Each	5
Structure Excavation			Cu. M	42

LEGEND

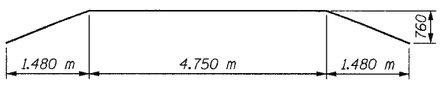
E.F. = Each Face

MIN. BAR LAP

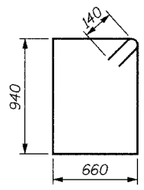
#15 = 890



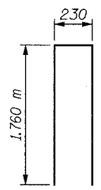
PLAN



BAR h301(E)



BAR s301(E)



BAR s302(E)

PILE DATA:

Type: HP310x79
Capacity: Driven to Refusal
Est. Length: 20 m (E. Abut)
20 m (W. Abut)
No. Required: 2 + 1 Test Pile (E. Abut)
3 (W. Abut)

(Test Pile shall be a permanent pile driven at the East Abutment)

NOTES:

Space reinforcement in cap to miss anchor bolts.

All edges shall have standard 20 mm chamfers except as noted.

For Anchor Bolt Details, see Sheet S32.

There shall be no splicing of longitudinal bars. Bars shall be ordered full length.

Bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

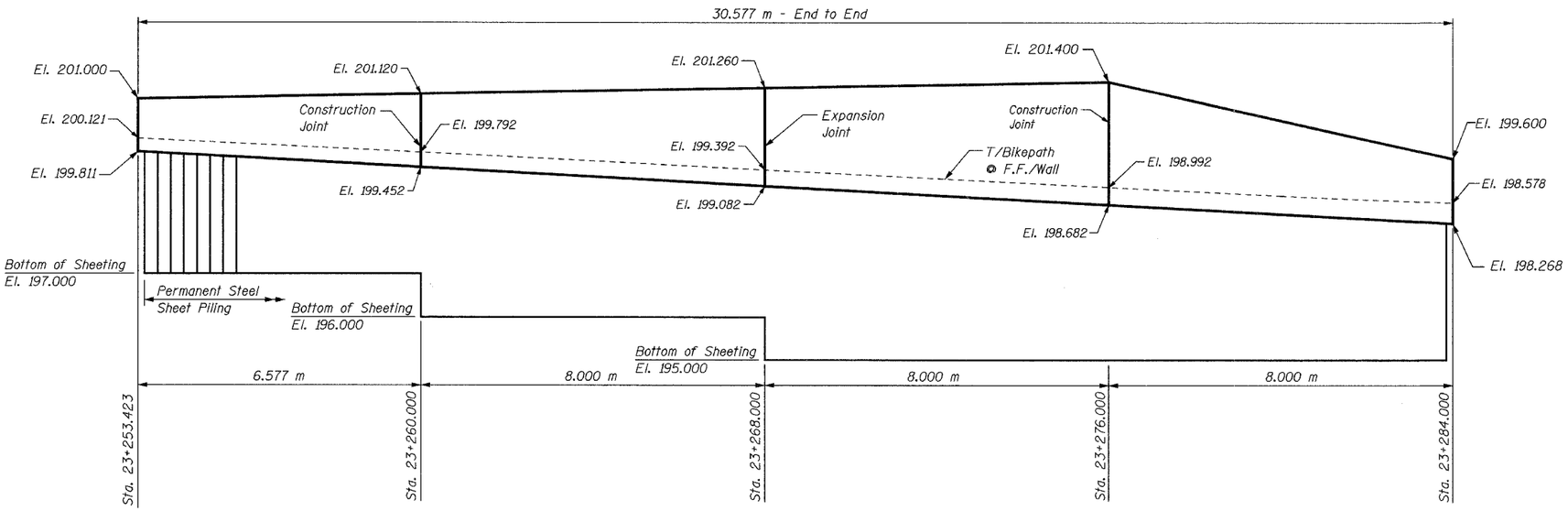
PEDESTRIAN BRIDGE, STA. 22+622.75

ABUTMENT DETAILS

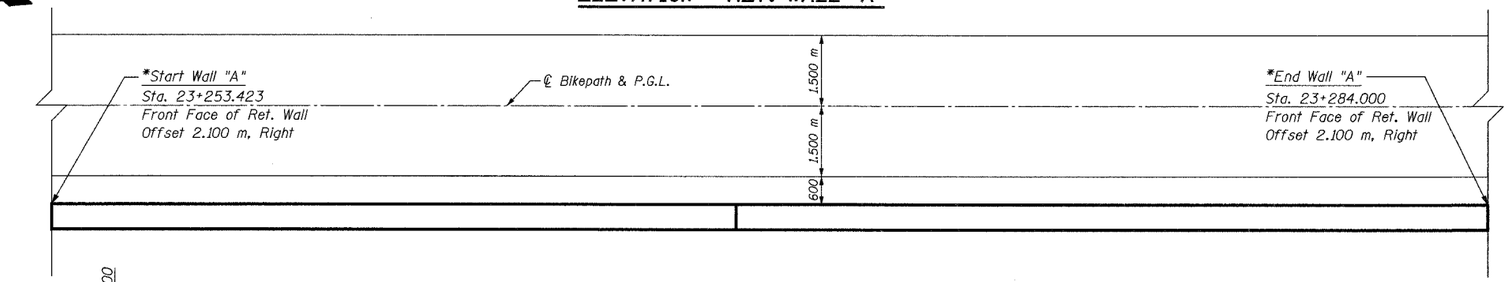
DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	52

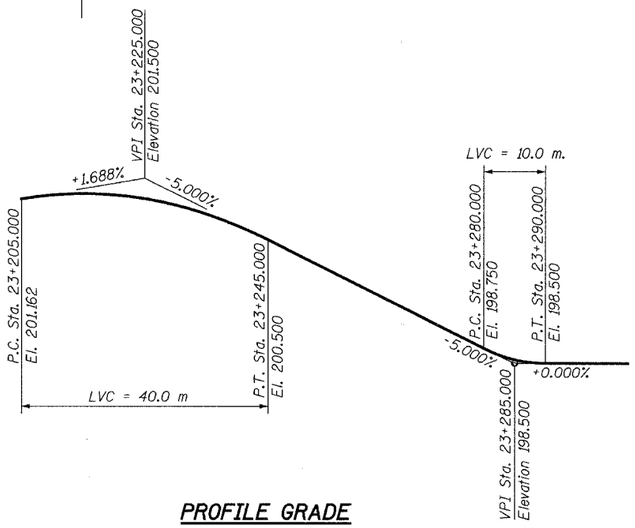
CONTRACT NO. 83714



ELEVATION - RET. WALL "A"



PLAN



PROFILE GRADE

***NOTE:**
For horizontal curve and alignment information, see Plan & Profile drawings.

STATE OF ILLINOIS
GEORGE A. TAPAS
081-006013
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

Signature: _____

Current Date: 7/21/05

License Expires: 11/30/06

"I certify that to the best of my knowledge, information and belief, this retaining wall 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 the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Concrete Structures	Cu. M	23.4
Reinforcement Bars, Epoxy Coated	kg	1,240
Structure Excavation	Cu. M	23
Permanent Steel Sheet Piling	Sq. M	142
Pipe Handrail	Meter	31

DESIGN LOADING

Equivalent Fluid Lateral Soil Pressure
6.3 kN/Cu. M

DESIGN STRESSES

f'c = 24 MPa
fy = 400 MPa (Reinf.)
fy = 270 MPa (Sheet Piling)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

Illinois Department of Transportation Standard Specifications for Road & Bridge Construction, adopted January 1, 2002 and Supplemental Specifications and Recurring Special adopted January 1, 2004.

GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 42M or M 53M Grade 400.
2. Steel sheet piling shall conform to the requirements of Section 1006.05 of the Standard Specifications.
3. If the Contractor chooses to alter the sheet piling design requirements shown on the plans for lesser design requirements, then full design submittal including plan details and sealed calculations will be required for review and acceptance by the Engineer.
4. All dimensions are in millimeters (mm) except as noted.
5. For Soil Boring logs, see Special Provisions.
6. Any pre-excavation carried out for the placement of the sheet piling shall not extend below the bottom of concrete facing elevation.

SHEET S17 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

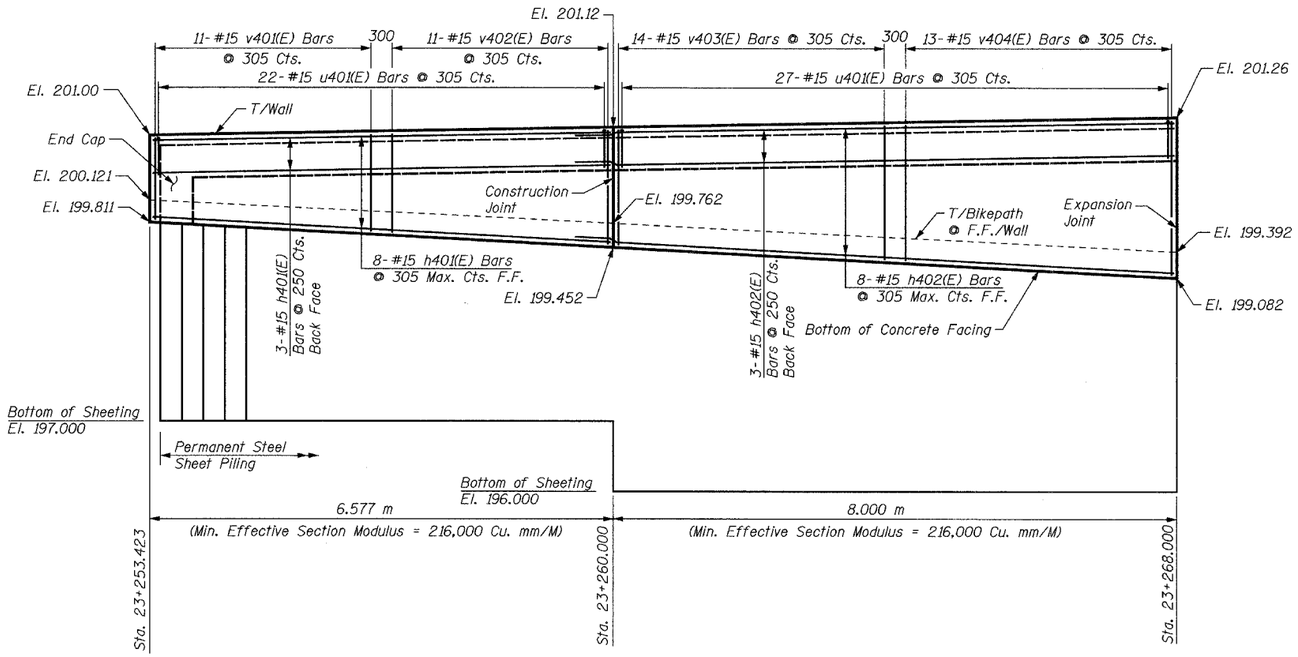
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
ROOSEVELT RET. WALL "A"
GENERAL PLAN & ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

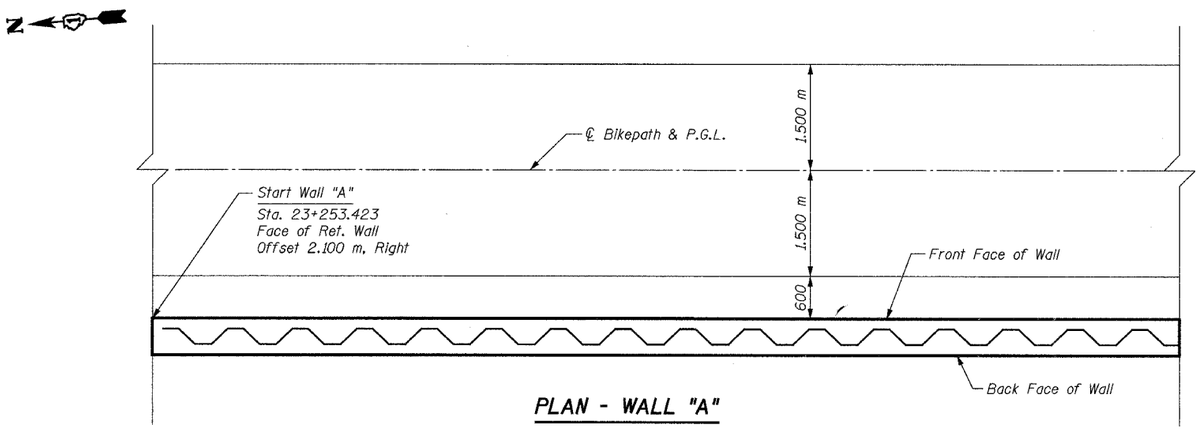
TOTAL SHEETS	SHEET NO.
108	53

CONTRACT NO. 83714



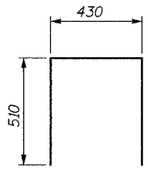
ELEVATION - WALL "A"

(Sta. 23+253.423 to Sta. 23+268)

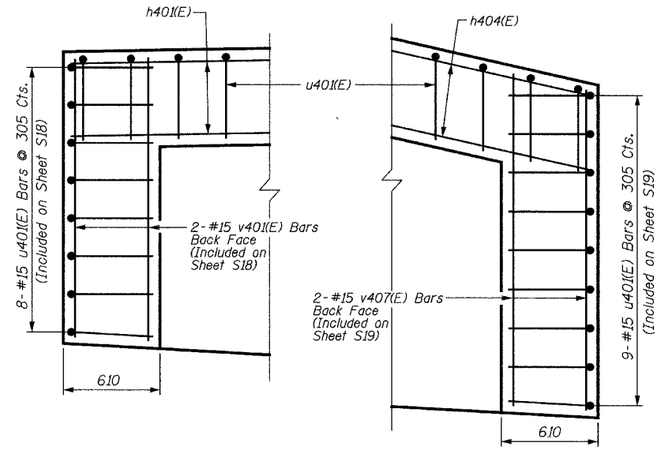


PLAN - WALL "A"

(Sta. 23+253.423 to Sta. 23+268)
(Reinforcement Omitted for Clarity)



BAR u401(E)



NORTH END SOUTH END

END CAP WALL DETAILS - WALL "A"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h401(E)	13	#15	6.48 m	———
h402(E)	11	#15	8.64 m	———
u401(E)	57	#15	1.45 m	⊓
v401(E)	11	#15	1.33 m	———
v402(E)	11	#15	1.56 m	———
v403(E)	14	#15	1.82 m	———
v404(E)	13	#15	2.08 m	———
Concrete Structures			Cu. M	11.4
Reinforcement Bars, Epoxy Coated			kg	570
Structure Excavation			Cu. M	14
Permanent Steel Sheet Piling			Sq. M	58
Pipe Handrail			Meter	15

NOTES:

Fan h(E) bars for even distribution over face of wall.

Cut v(E) bars as necessary in field to fit.

Minimum lap for #15 bar = 640 mm.

All exposed edges of concrete shall have a 20 mm chamfer unless shown otherwise..

For minimum effective section modulus properties for sheet piling sections, refer to special provision for Permanent Steel Sheet Piling.

Work this sheet with Sheet S19.

Bars designated (E) shall be epoxy coated.

All dimensions are in millimeters (mm) unless otherwise noted.

For Typical Section thru Wall, see Sheet S19.

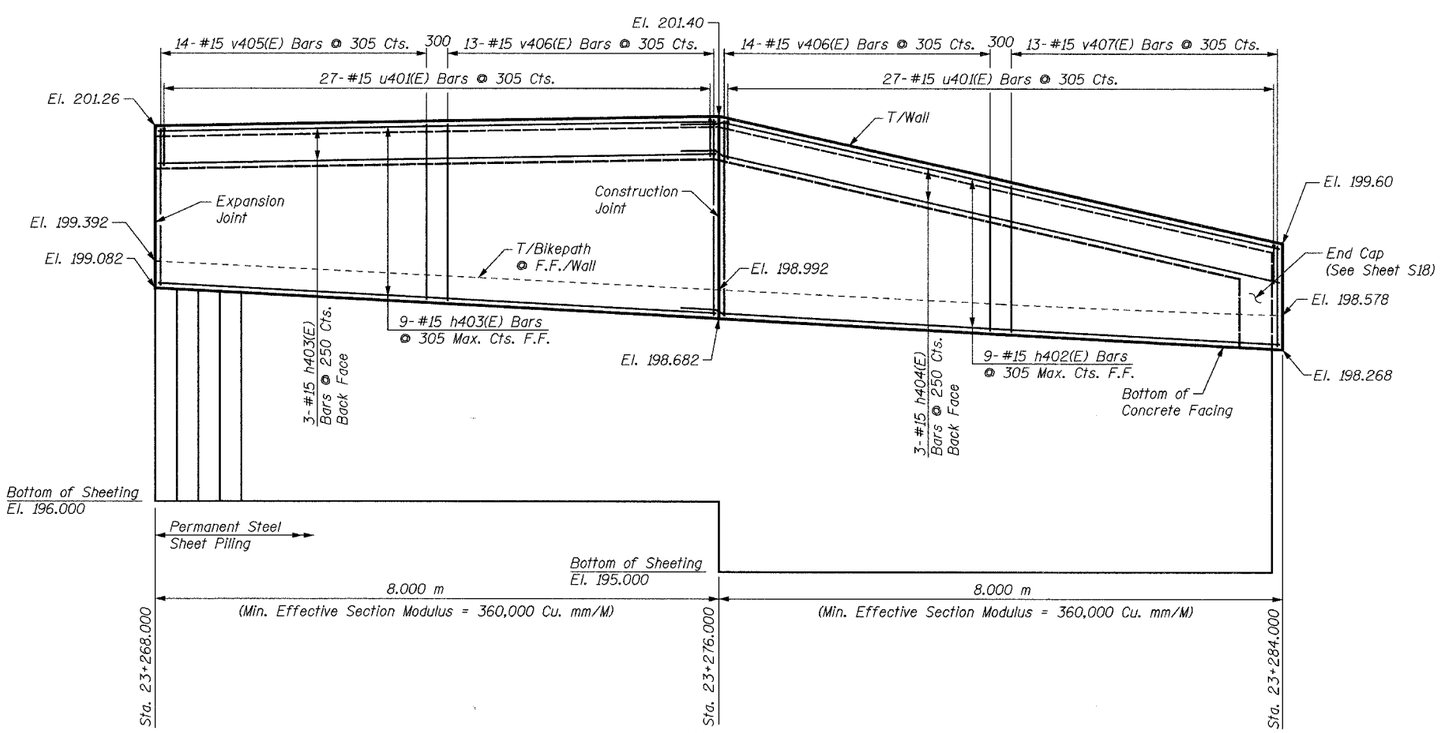
REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

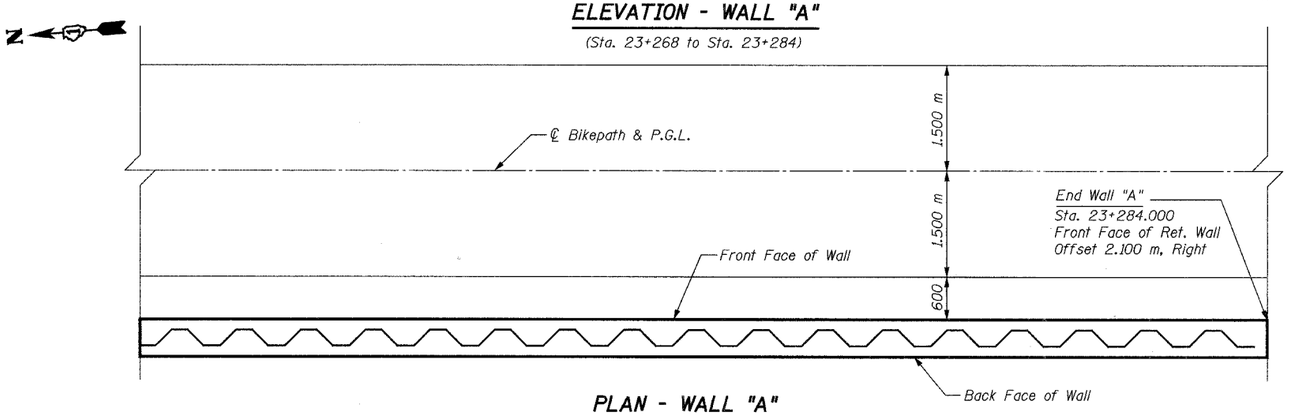
SALT CREEK GREENWAY TRAIL
WALL "A", STA. 23+253.423 TO STA. 23+268, PLAN & ELEVATION

DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT



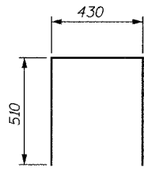
ELEVATION - WALL "A"

(Sta. 23+268 to Sta. 23+284)

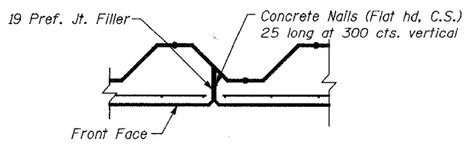


PLAN - WALL "A"

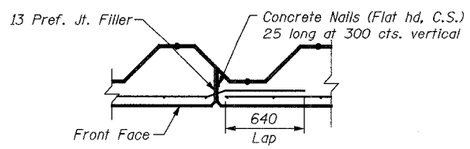
(Sta. 23+268 to Sta. 23+284)
(Reinforcement Omitted for Clarity)



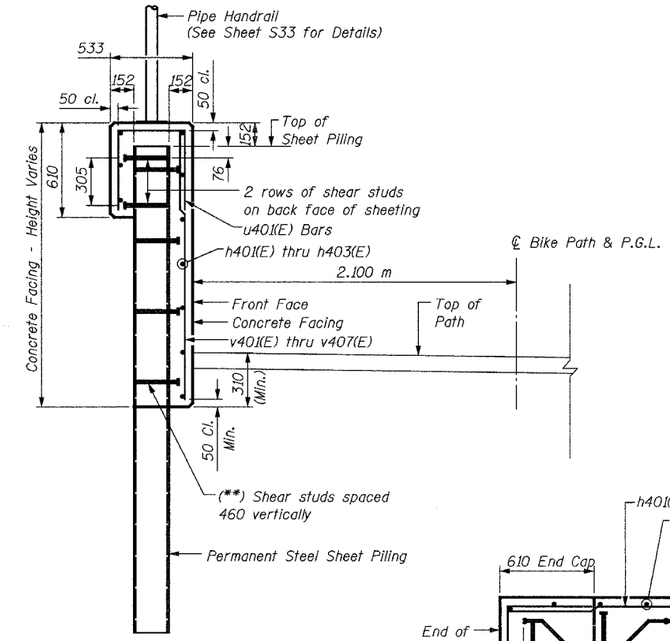
BAR u401(E)



EXPANSION JOINT DETAIL

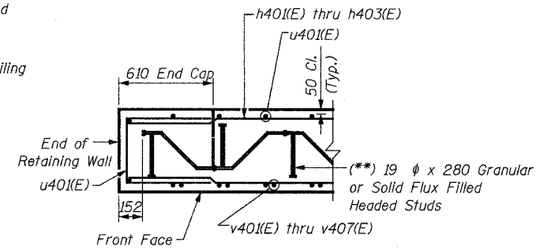


CONSTRUCTION JOINT DETAIL

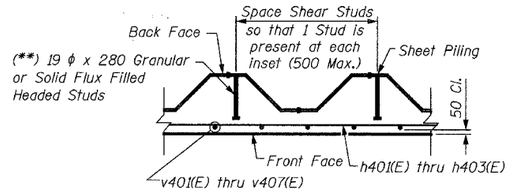


SECTION THRU WALL "A"

(Section Sta. 23+253.423 to Sta. 23+284)



SECTION THRU CAP



TYPICAL SECTION THRU WALL

(**) NOTE:

Shear Studs shall be 19 dia. x 208 Granular or Solid Flux Filled Headed Studs conforming to 505.08 (m) of the Standard Specifications automatically end welded in the field to Sheet Piling. The cost of the studs is included in the cost of PERMANENT STEEL SHEET PILING.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h402(E)	12	#15	8.64 m	———
h403(E)	12	#15	7.90 m	———
u401(E)	63	#15	1.45 m	⊓
v405(E)	14	#15	2.35 m	———
v406(E)	27	#15	2.62 m	———
v407(E)	15	#15	1.92 m	———
Concrete Structures			Cu. M	12.0
Reinforcement Bars, Epoxy Coated			kg	670
Structure Excavation			Cu. M	9
Permanent Steel Sheet Piling			Sq. M	84
Pipe Handrail			Meter	16

NOTES:

For notes see Sheet S18.

TOTAL SHEETS	SHEET NO.
108	54

CONTRACT NO. 83714

SHEET S19 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

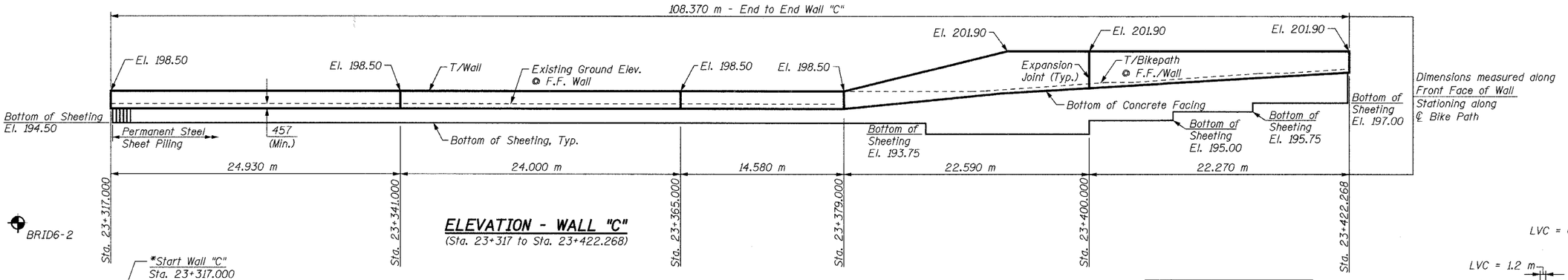
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
WALL "A", STA. 23+268 TO STA. 23+284, PLAN & ELEVATION

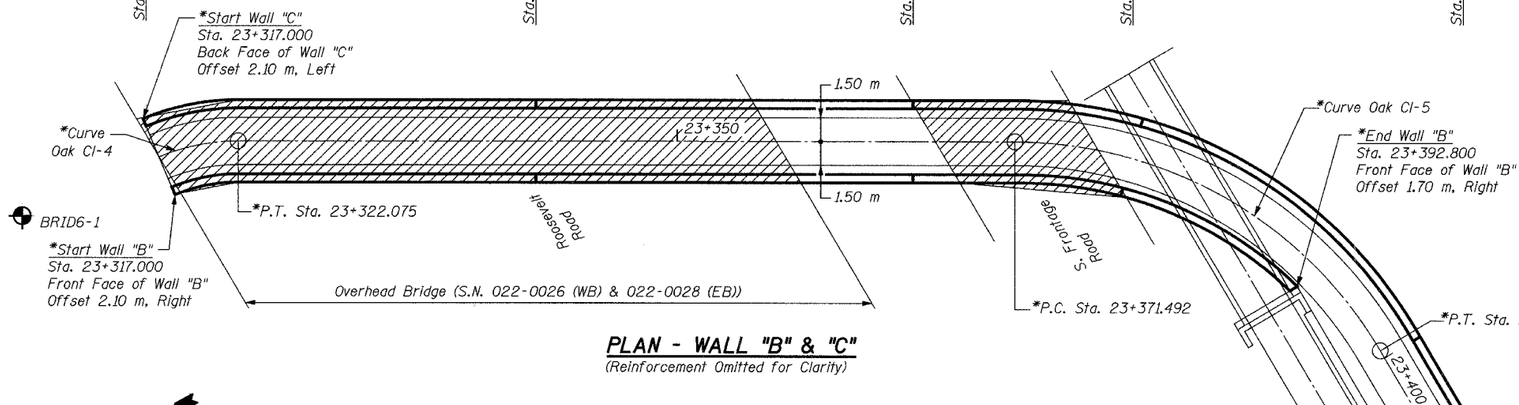
DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	55

CONTRACT NO. 83714

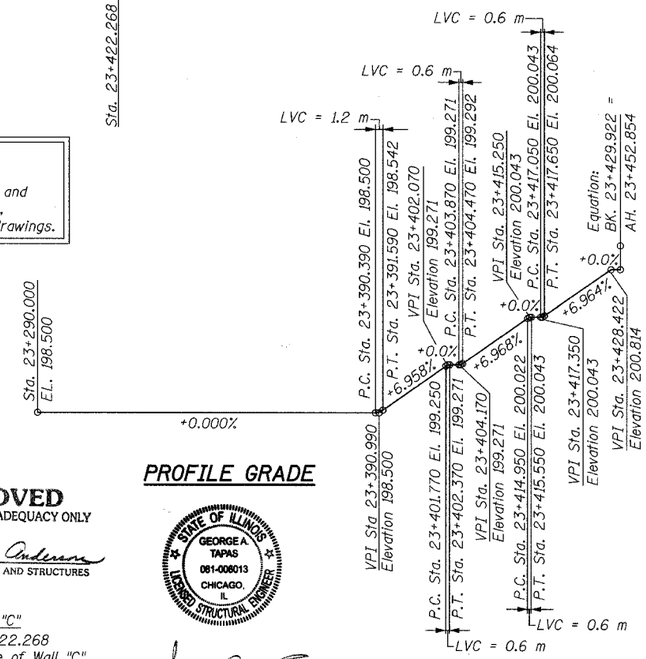


ELEVATION - WALL "C"
(Sta. 23+317 to Sta. 23+422.268)



PLAN - WALL "B" & "C"
(Reinforcement Omitted for Clarity)

***NOTE:**
For horizontal curve and alignment information, see Plan & Profile drawings.

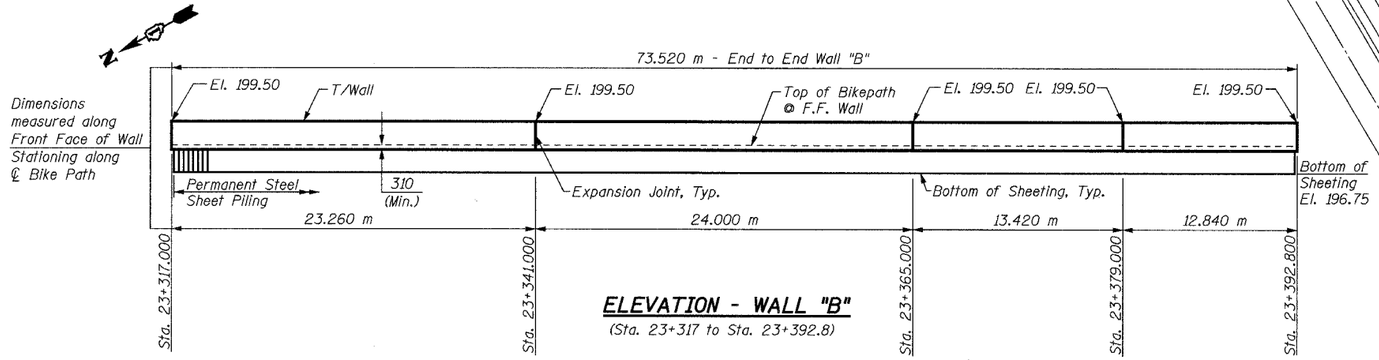


PROFILE GRADE

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
GEORGE A. TAPAS
081-006013
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER



ELEVATION - WALL "B"
(Sta. 23+317 to Sta. 23+392.8)

*End Wall "C"
Sta. 23+422.268
Front Face of Wall "C"
Offset 2.10 m, Left

Signature: _____
Current Date: 5/2/05
License Expires: 11/30/05

"I certify that to the best of my knowledge, information and belief, this retaining wall 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 the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 42M or M 53M Grade 400.
2. 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 work: however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. Steel sheet piling shall conform to the requirements of Section 1006.05 of the Standard Specifications.
4. If the Contractor chooses to alter the sheet piling design requirements shown on the plans for lesser design requirements, then full design submittal including plan details and sealed calculations will be required for review and acceptance by the Engineer.
5. All dimensions are in millimeters (mm) except as noted.
6. For Soil Boring Logs, see Special Provisions.
7. Any pre-excavation carried out for placement of the sheet piling shall not extend below the bottom of concrete facing elevation.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

Illinois Department of Transportation Standard Specifications for Road & Bridge Construction, adopted January 1, 2002 and Supplemental Specifications and Recurring Special adopted January 1, 2004.

DESIGN LOADING

Equivalent Fluid Lateral Soil Pressure
6.3 kN/Cu. M

LEGEND

Slope Wall Removal
Soil Boring

DESIGN STRESSES

f'c = 24 MPa
fy = 400 MPa (Reinf.)
fy = 270 MPa (Sheet Piling)

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Concrete Structures	Cu. M	147.1
Reinforcement Bars, Epoxy Coated	kg	7580
Structure Excavation	Cu. M	170
Permanent Steel Sheet Piling	Sq. M	715
Pipe Handrail	Meter	110
Slopewall Removal	Sq. M	265

SHEET S20 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
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FAX (847) 228-1115

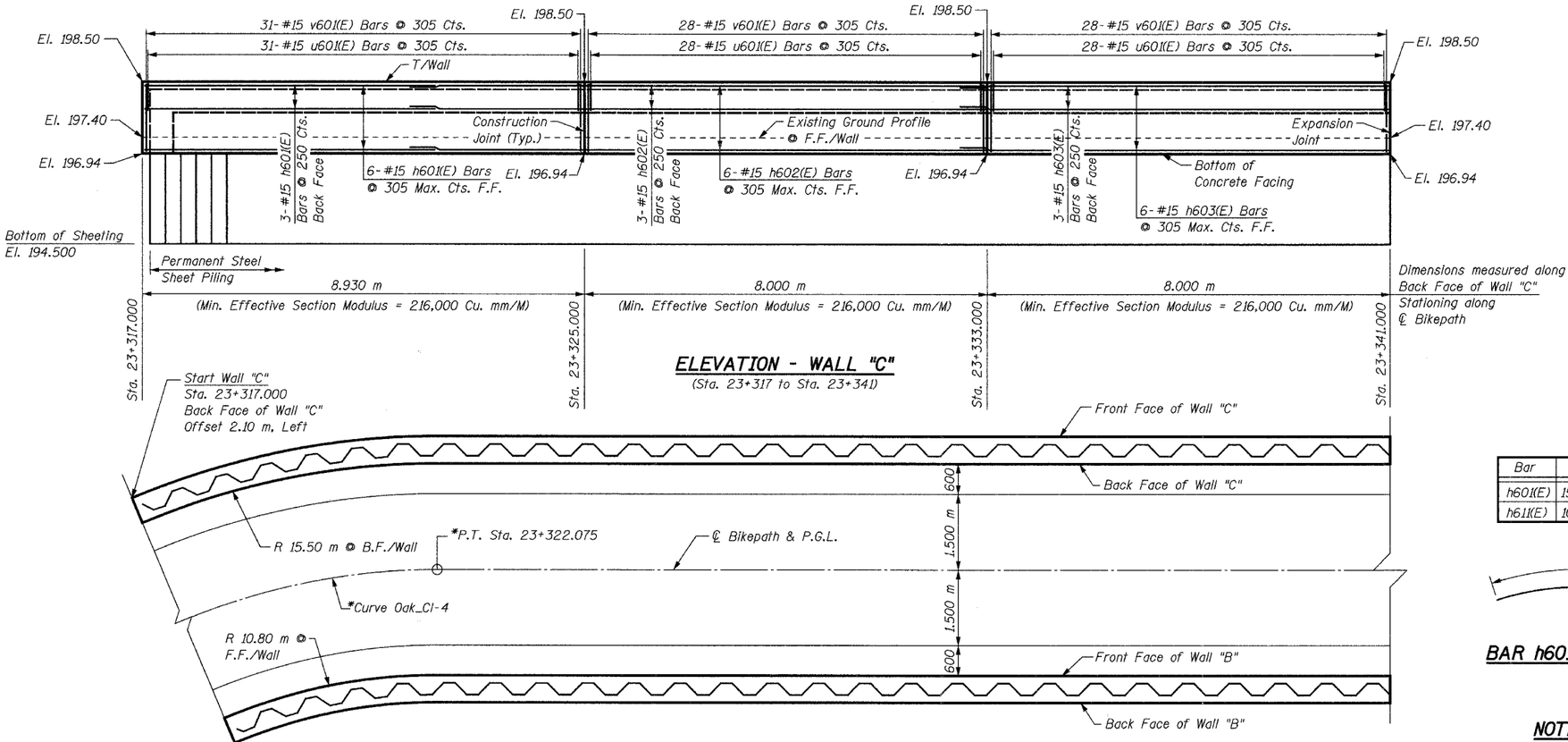
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
RET. WALL "B" AND "C"
GENERAL PLAN AND ELEVATION

DATE: 08/01/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	56

CONTRACT NO. 83714



ELEVATION - WALL "C"

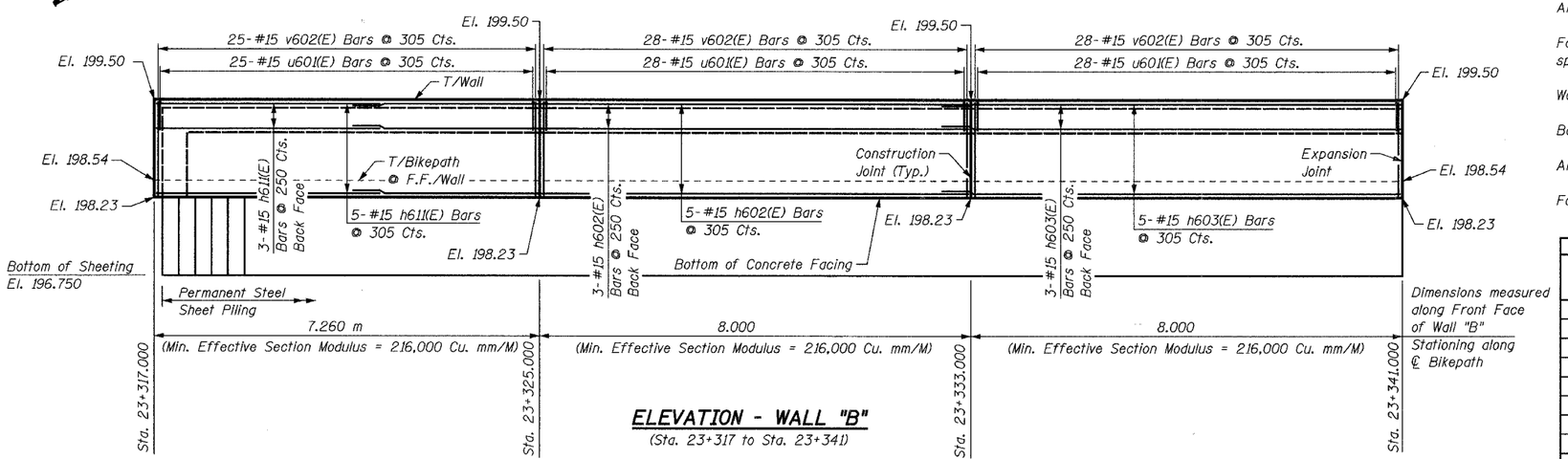
(Sta. 23+317 to Sta. 23+341)

PLAN - WALL "B" & "C"

(Sta. 23+317 to Sta. 23+341)
(Reinforcement Omitted for Clarity)

***NOTE:**

For horizontal curve and alignment information, see Plan & Profile drawings.



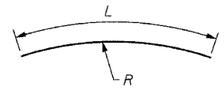
ELEVATION - WALL "B"

(Sta. 23+317 to Sta. 23+341)

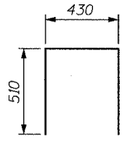
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h601(E)	9	#15	5.96 m	
h602(E)	17	#15	11.41 m	
h603(E)	17	#15	8.48 m	
h611(E)	8	#15	4.24 m	
u601(E)	179	#15	1.45 m	
v601(E)	89	#15	1.46 m	
v602(E)	83	#15	1.17 m	
Concrete Structures			Cu. M	35.6
Reinforcement Bars, Epoxy Coated			kg	1880
Structure Excavation			Cu. M	45
Permanent Steel Sheet Piling			Sq. M	157
Pipe Handrail			Meter	25

Bar	R	L
h601(E)	15.56 m	5.96 m
h611(E)	10.83 m	4.24 m



BAR h601(E) & h611(E)



BAR u601(E)

NOTES:

Fan h(E) bars for even distribution over face of wall.

Cut v(E) bars as necessary in field to fit.

Minimum lap for #15 bar = 480 mm.

All exposed edges of concrete shall have a 20 mm chamfer unless shown otherwise.

For minimum effective section modulus properties for sheet piling sections, refer to special provision for Permanent Steel Sheet Piling.

Work this sheet with Sheets S20 thru S26.

Bars designated (E) shall be epoxy coated.

All dimensions are in millimeters (mm) unless otherwise noted.

For Typical Section thru Wall, see Sheet S26.

REVISIONS	
NAME	DATE

URS
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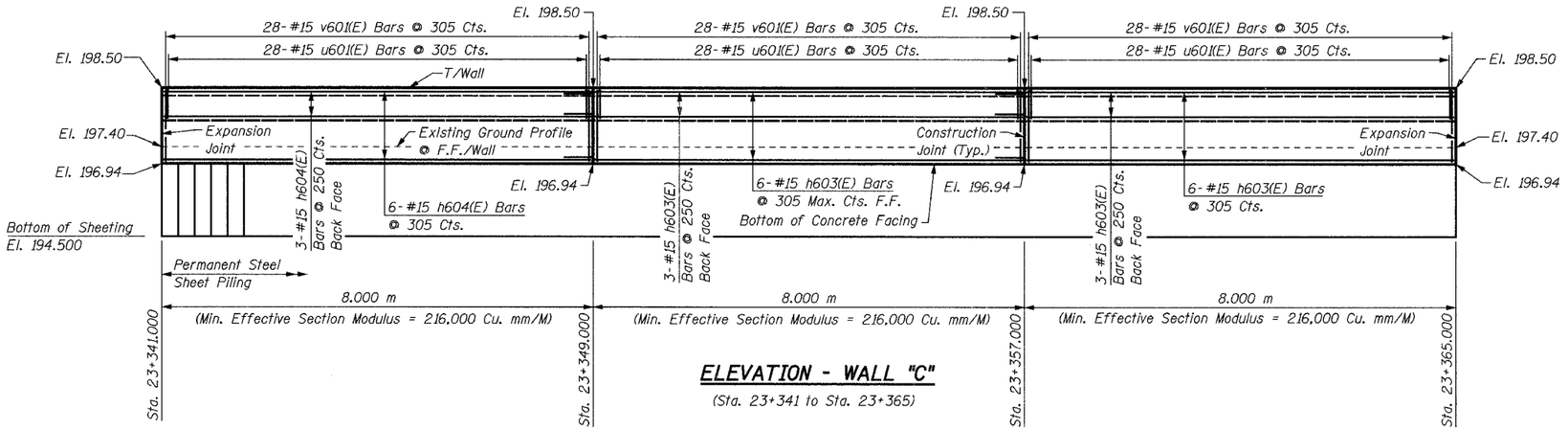
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
RET. WALL STA. 23+317 TO 23+341
PLAN & ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

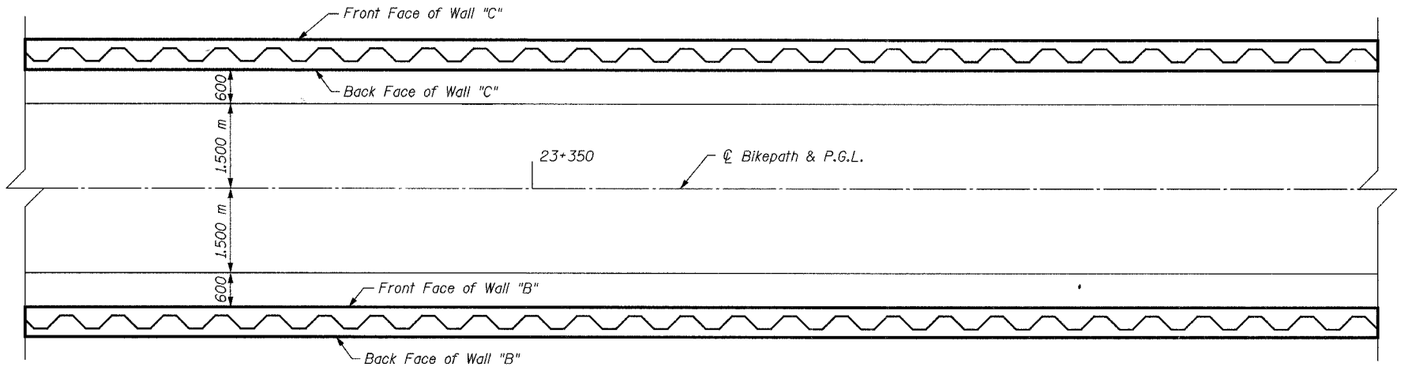
TOTAL SHEETS	SHEET NO.
108	57

CONTRACT NO. 83714



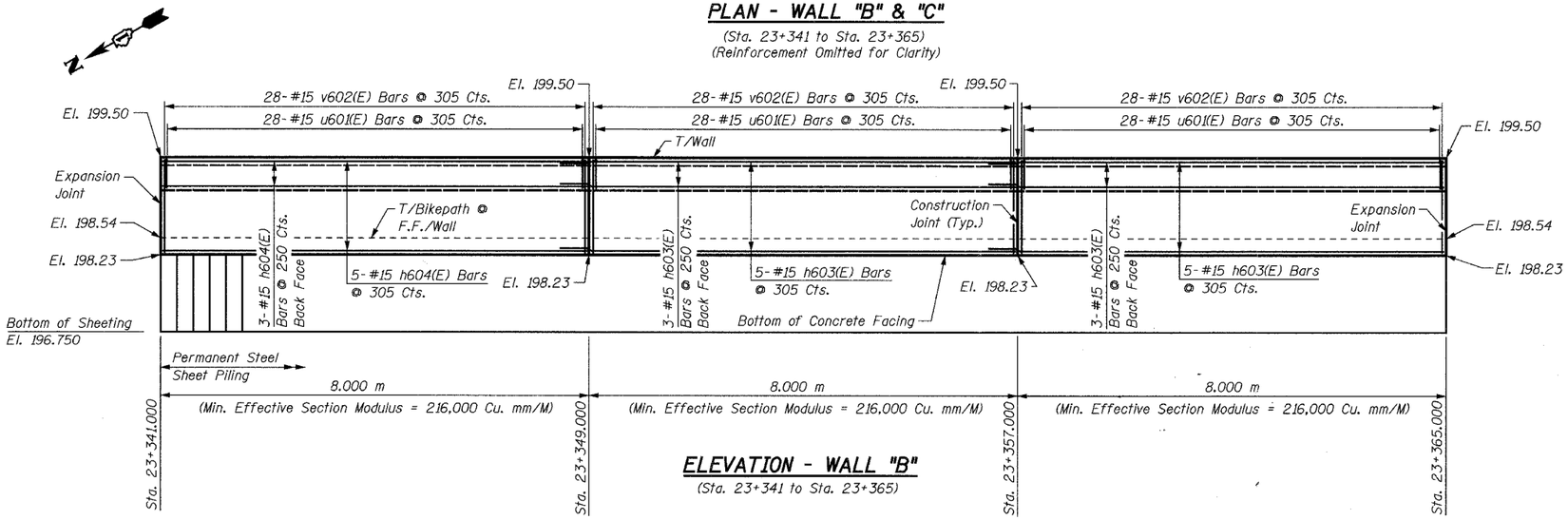
ELEVATION - WALL "C"

(Sta. 23+341 to Sta. 23+365)



PLAN - WALL "B" & "C"

(Sta. 23+341 to Sta. 23+365)
(Reinforcement Omitted for Clarity)

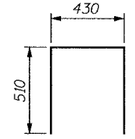


ELEVATION - WALL "B"

(Sta. 23+341 to Sta. 23+365)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h603(E)	34	#15	8.48 m	———
h604(E)	17	#15	7.90 m	———
u601(E)	168	#15	1.45 m	⊓
v601(E)	84	#15	1.46 m	———
v602(E)	84	#15	1.17 m	———
Concrete Structures			Cu. M	35.6
Reinforcement Bars, Epoxy Coated			kg	1840
Structure Excavation			Cu. M	45
Permanent Steel Sheet Piling			Sq. M	155
Pipe Handrail			Meter	24



BAR u601(E)

NOTES:

See Sheet S21 for Notes.

REVISIONS	
NAME	DATE

URS
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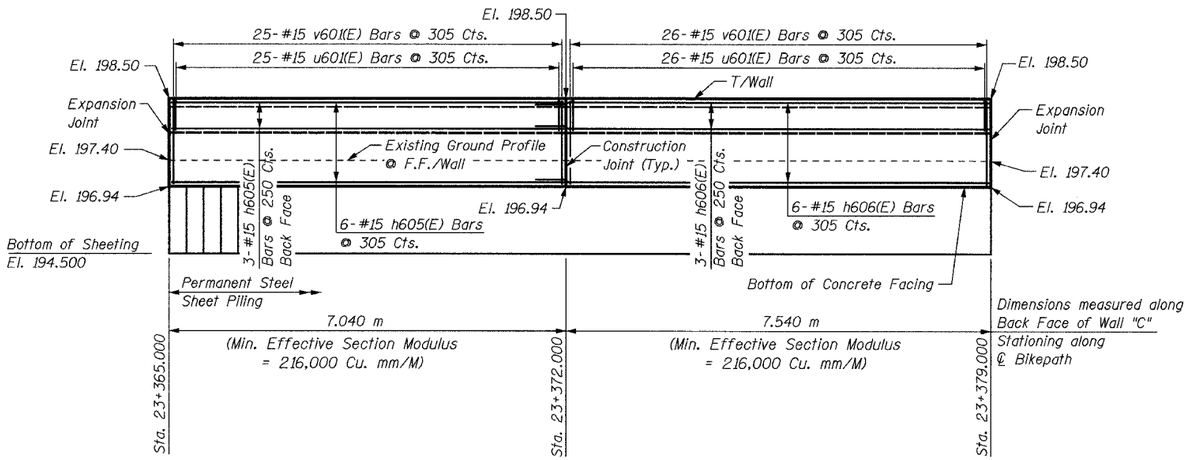
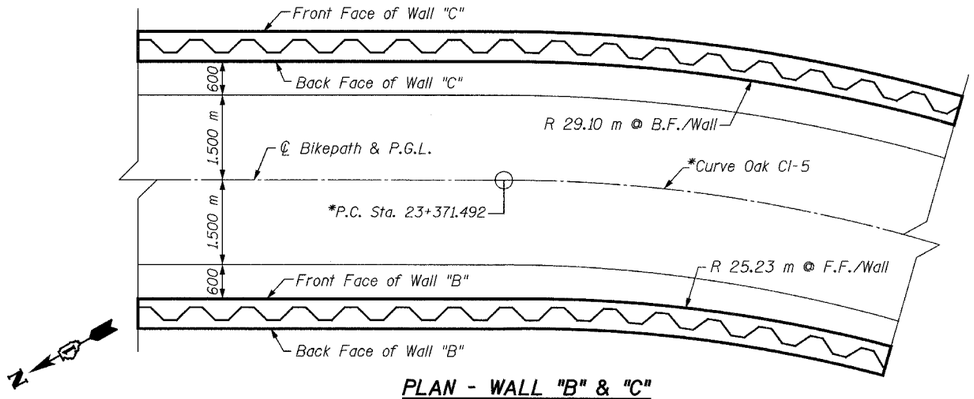
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
RET. WALL STA. 23+341 TO 23+365
PLAN & ELEVATION

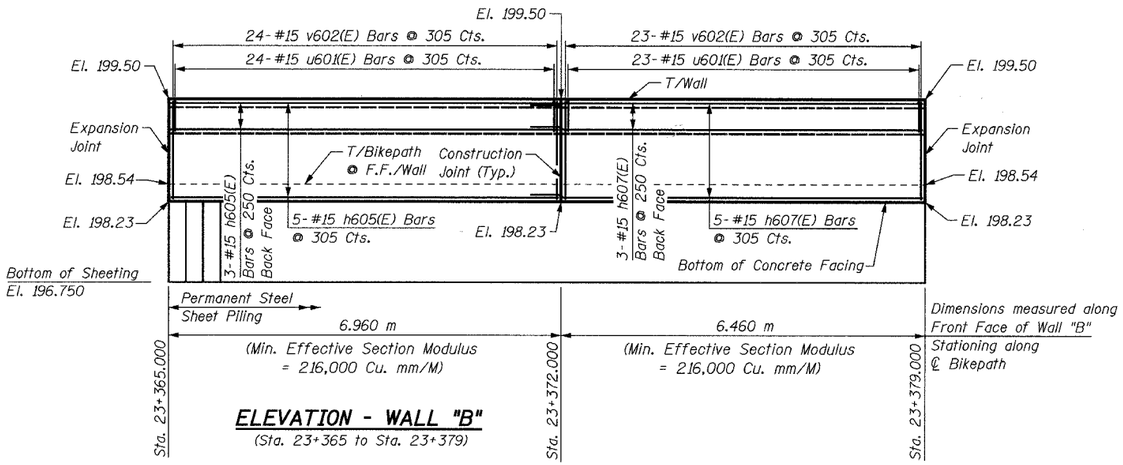
DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT



ELEVATION - WALL "C"
(Sta. 23+365 to Sta. 23+379)



PLAN - WALL "B" & "C"
(Sta. 23+365 to Sta. 23+379)
(Reinforcement Omitted for Clarity)

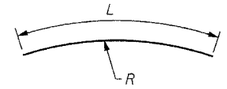


ELEVATION - WALL "B"
(Sta. 23+365 to Sta. 23+379)

***NOTE:**

For horizontal curve and alignment information, see Plan & Profile drawings.

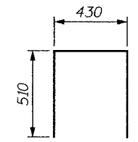
Bar	R	L
h606(E)	29.56 m	8.02 m
h607(E)	25.15 m	7.00 m



BAR h606(E) & h607(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h605(E)	17	#15	6.88 m	
h606(E)	9	#15	8.02 m	
h607(E)	8	#15	7.00 m	
u601(E)	98	#15	1.45 m	
v601(E)	51	#15	1.46 m	
v602(E)	47	#15	1.17 m	
Concrete Structures			Cu. M	20.7
Reinforcement Bars, Epoxy Coated			kg	1070
Structure Excavation			Cu. M	26
Permanent Steel Sheet Piling			Sq. M	91
Pipe Handrail			Meter	15



BAR u601(E)

***NOTES:**

See Sheet S21 for Notes.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

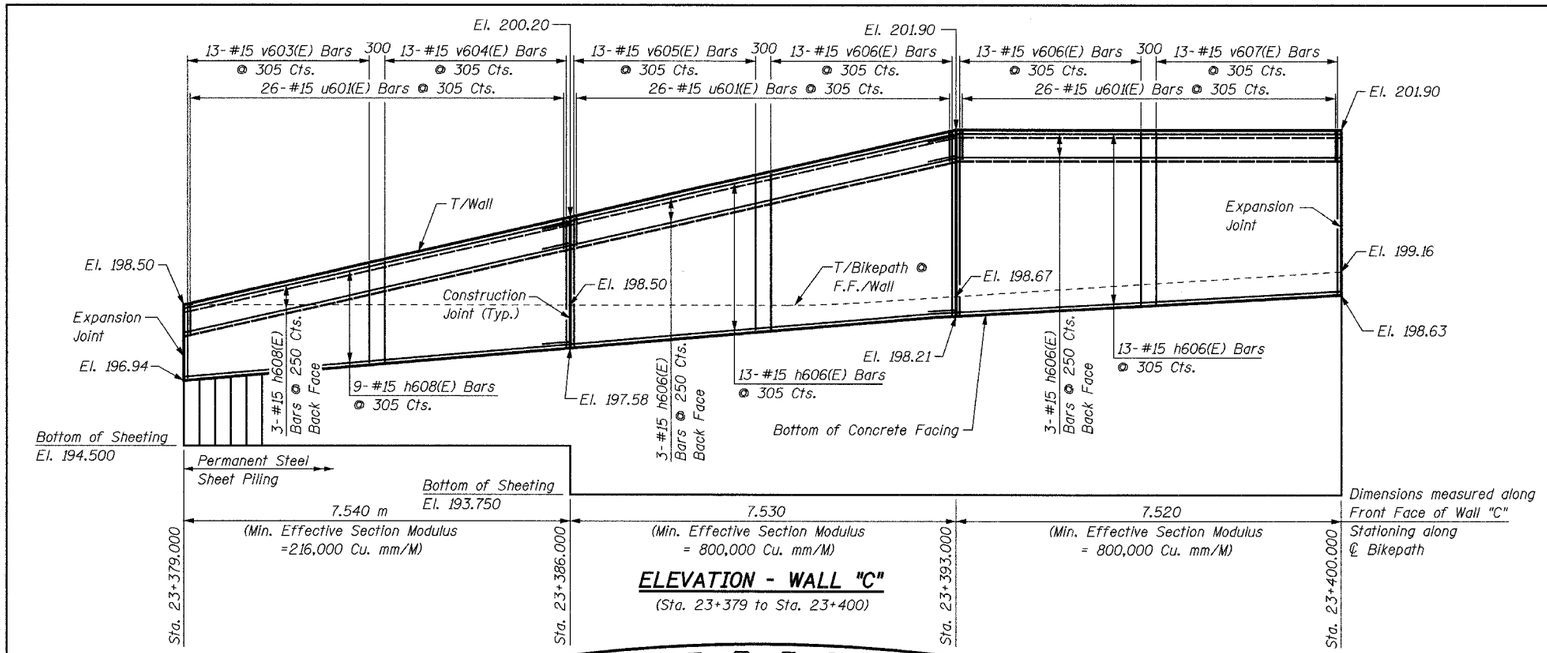
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
RET. WALL STA. 23+365 TO 23+379
PLAN & ELEVATION

DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT

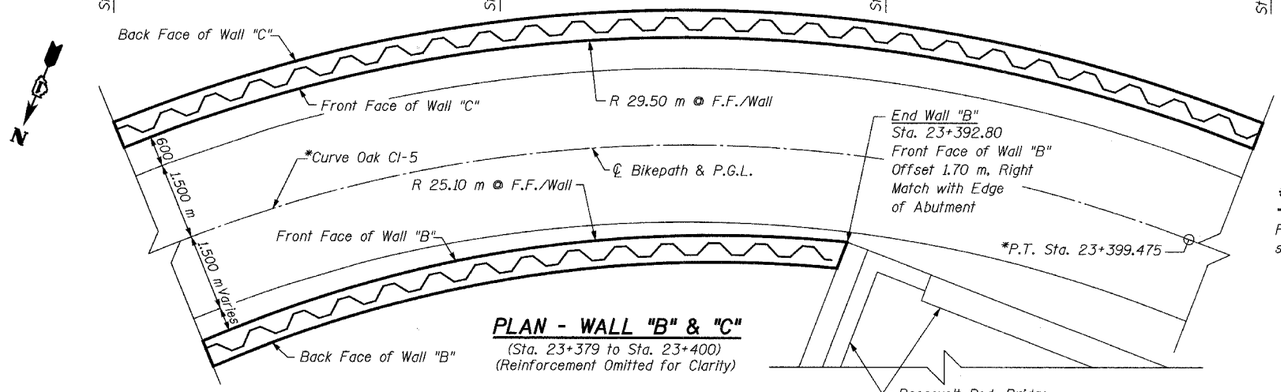
TOTAL SHEETS	SHEET NO.
108	59

CONTRACT NO. 83714



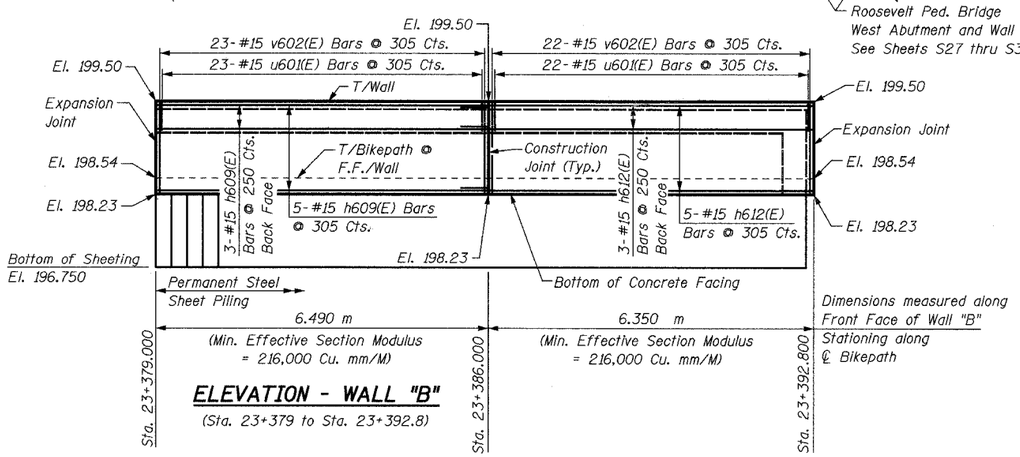
ELEVATION - WALL "C"

(Sta. 23+379 to Sta. 23+400)



PLAN - WALL "B" & "C"

(Sta. 23+379 to Sta. 23+400)
(Reinforcement Omitted for Clarity)

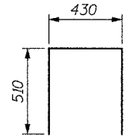


ELEVATION - WALL "B"

(Sta. 23+379 to Sta. 23+392.8)

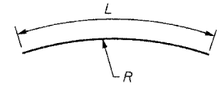
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h606(E)	32	#15	8.02 m	
h608(E)	12	#15	7.44 m	
h609(E)	8	#15	6.40 m	
h612(E)	8	#15	6.83 m	
u601(E)	128	#15	1.45 m	
v602(E)	45	#15	1.17 m	
v603(E)	13	#15	1.99 m	
v604(E)	13	#15	2.52 m	
v605(E)	13	#15	3.05 m	
v606(E)	26	#15	3.59 m	
v607(E)	13	#15	3.38 m	
Concrete Structures			Cu. M	33.7
Reinforcement Bars, Epoxy Coated			kg	1670
Structure Excavation			Cu. M	33
Permanent Steel Sheet Piling			Sq. M	183
Pipe Handrail			Meter	23



BAR u601(E)

Bar	R	L
h606(E)	29.56 m	8.02 m
h608(E)	29.56 m	7.44 m
h609(E)	25.15 m	6.40 m
h612(E)	25.15 m	6.83 m



BAR h606(E), h608(E), h609(E) & h612(E)

***NOTE:**

For horizontal curve and alignment information, see Plan & Profile drawings.

NOTES:

See Sheet S21 for Notes.

SHEET S24 of S33

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
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VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

RET. WALL STA. 23+379 TO 23+400

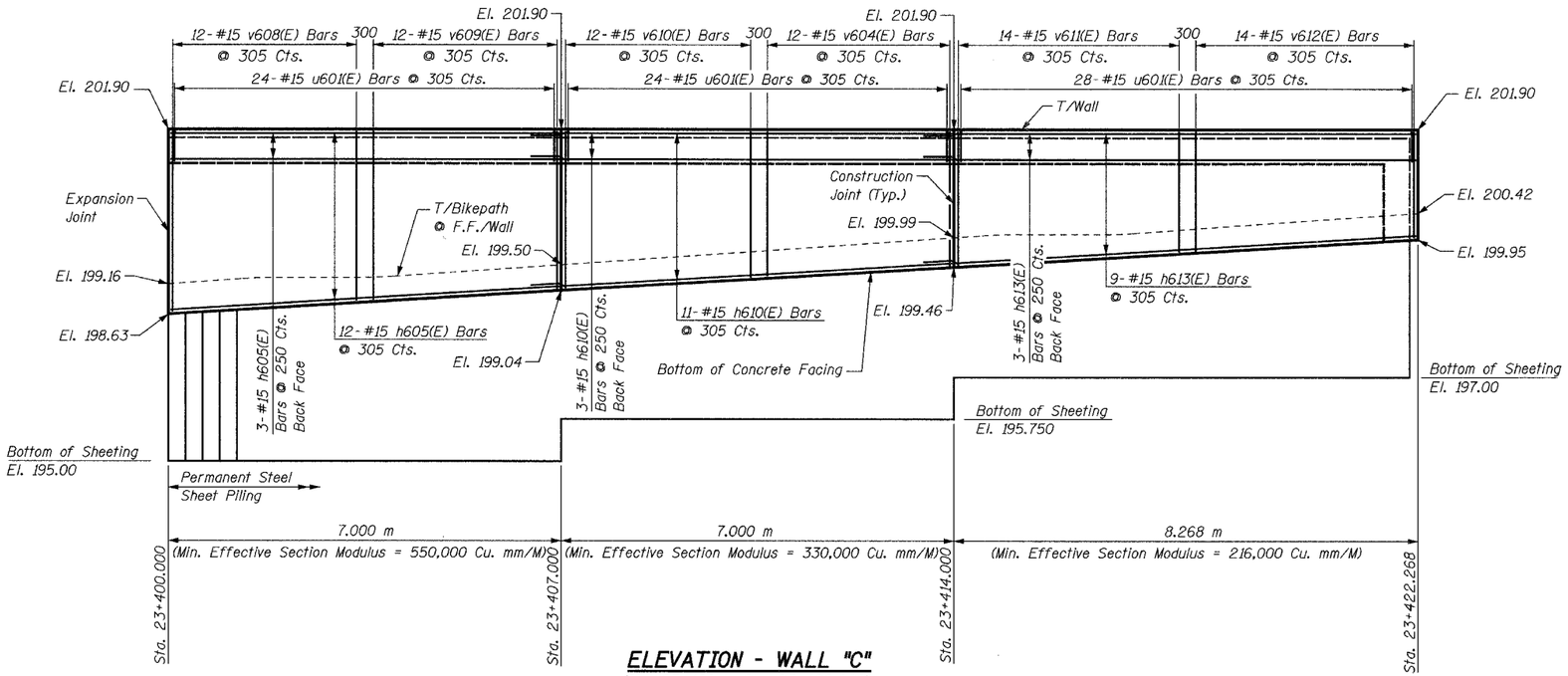
PLAN & ELEVATION

DATE: 06/30/05 DRAWN BY: MDS

DESIGNED BY: MDS CHECKED BY: GAT

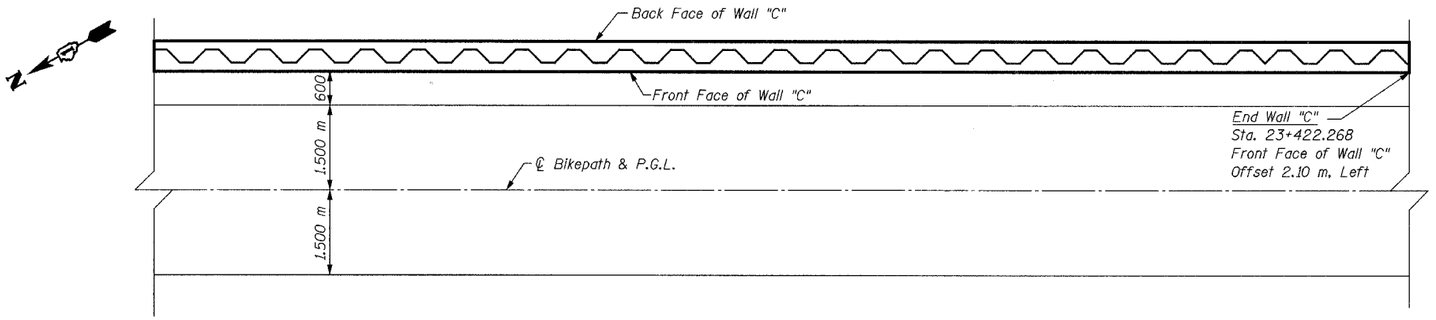
TOTAL SHEETS	SHEET NO.
108	60

CONTRACT NO. 83714



ELEVATION - WALL "C"

(Sta. 23+400 to Sta. 23+422.268)

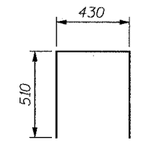


PLAN - WALL "C"

(Sta. 23+400 to Sta. 23+422.268)
(Reinforcement Omitted for Clarity)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h605(E)	15	#15	6.88 m	
h610(E)	14	#15	7.48 m	
h613(E)	12	#15	8.75 m	
u601(E)	85	#15	1.45 m	⊓
v604(E)	12	#15	2.52 m	
v608(E)	12	#15	3.17 m	
v609(E)	12	#15	2.97 m	
v610(E)	12	#15	2.76 m	
v611(E)	14	#15	2.34 m	
v612(E)	14	#15	2.09 m	
Concrete Structures		Cu. M	21.5	
Reinforcement Bars, Epoxy Coated		kg	1120	
Structure Excavation		Cu. M	20.6	
Permanent Steel Sheet Piling		Sq. M	116	
Pipe Handrail		Meter	23	



BAR u601(E)

NOTES:

See Sheet S21 for Notes.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
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TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

RET. WALL STA. 23+400 TO 23+422.27

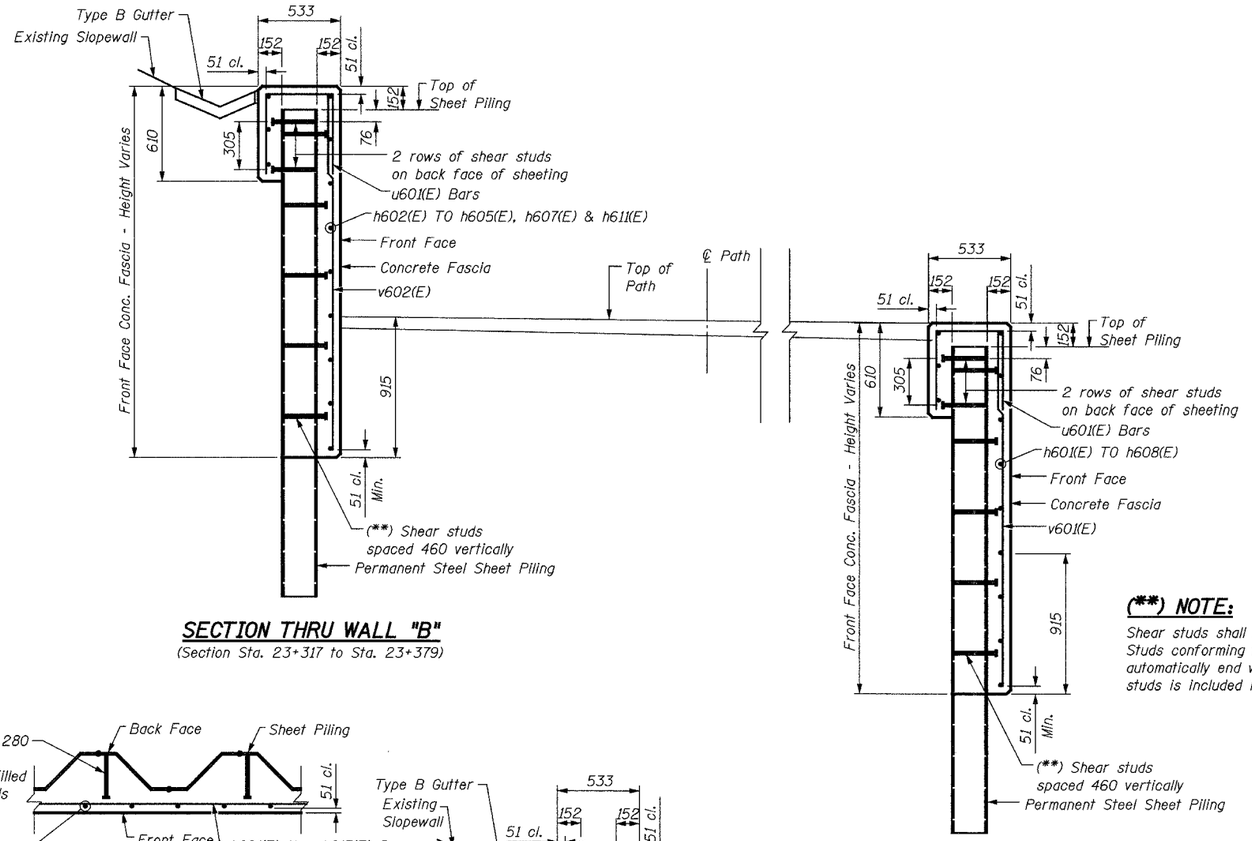
PLAN & ELEVATION

DATE: 06/30/05 DRAWN BY: MDS

DESIGNED BY: MDS CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	61

CONTRACT NO. 83714



SECTION THRU WALL "B"

(Section Sta. 23+317 to Sta. 23+379)

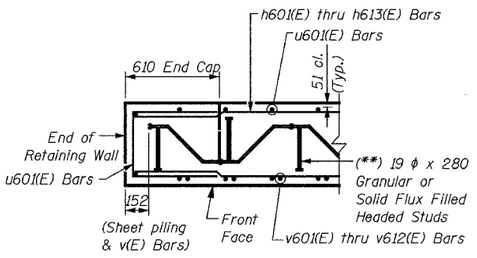
SECTION THRU WALL "C"

(Section Sta. 23+317 to Sta. 23+379)

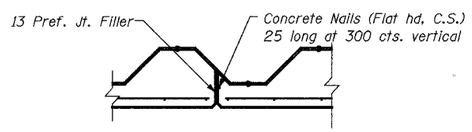
(**) NOTE:

Shear studs shall be 19 dia. x 280 Granular or Solid Flux Headed Studs conforming to 505.08 (m) of the Standard Specifications automatically end welded, in the field to Sheet Piling. The cost of the studs is included in the cost of PERMANENT STEEL SHEET PILING.

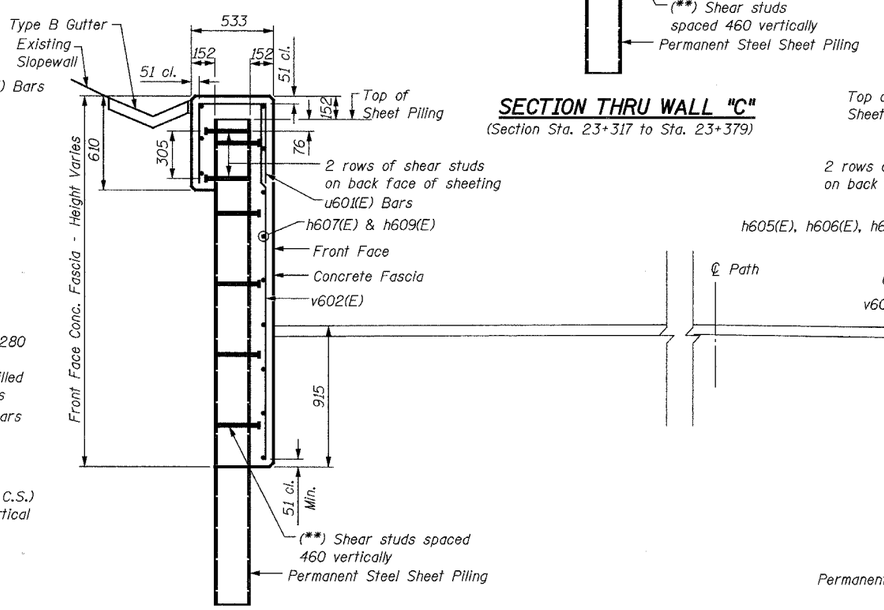
TYPICAL SECTION THRU WALL



SECTION THRU CAP

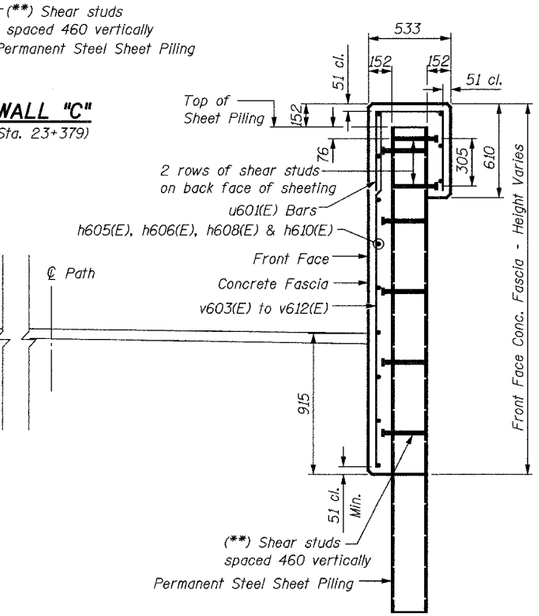


CONSTRUCTION JOINT DETAILS



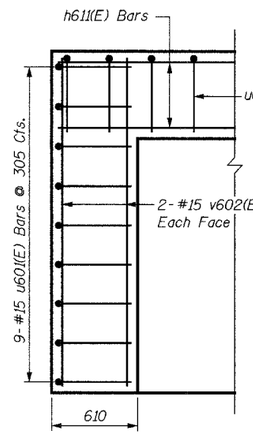
SECTION THRU WALL "B"

(Section Sta. 23+379 to Sta. 23+392.80)



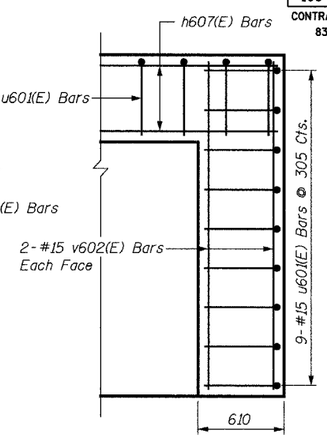
SECTION THRU WALL "C"

(Section Sta. 23+379 to Sta. 23+422.268)



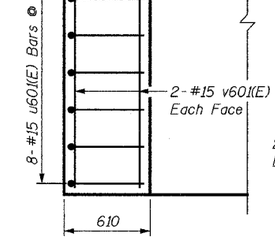
END CAP WALL REINFORCEMENT

(Wall B, North End)



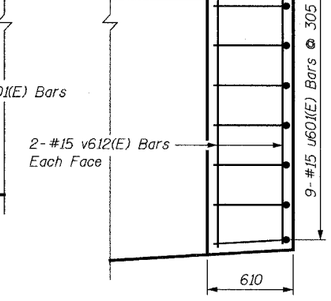
END CAP WALL REINFORCEMENT

(Wall B, South End)



END CAP WALL REINFORCEMENT

(Wall C, North End)



END CAP WALL REINFORCEMENT

(Wall C, South End)

NOTES:

See Sheet S21 for Notes.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

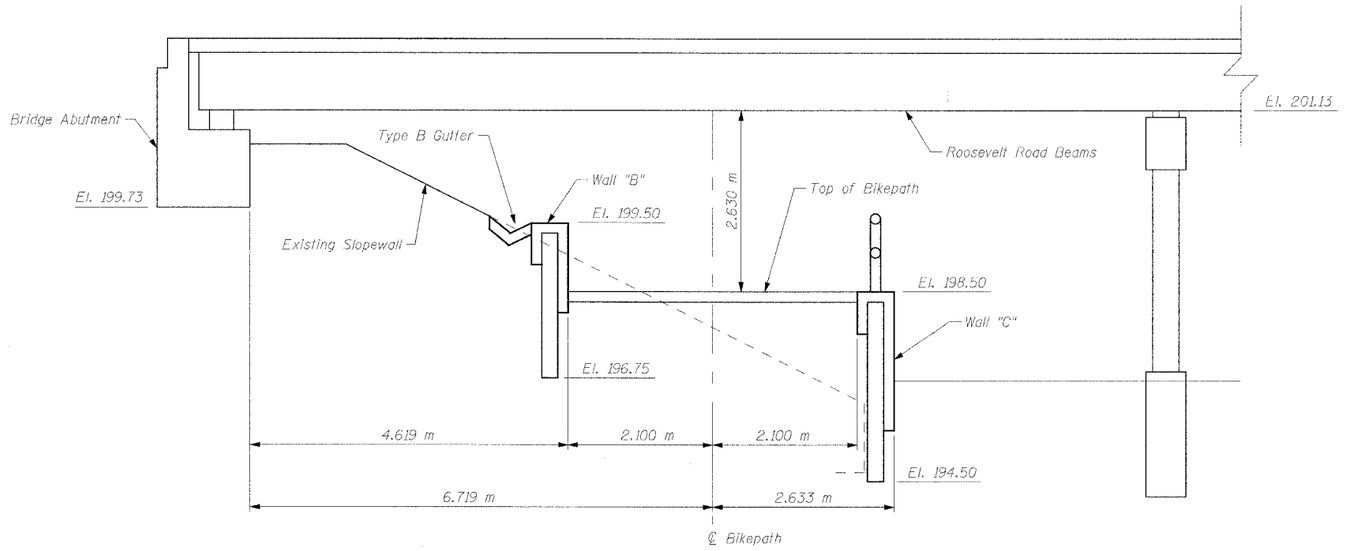
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
RET. WALL "B" AND "C" DETAILS

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
117	62

CONTRACT NO. 83714



CROSS SECTION UNDER ROOSEVELT ROAD

(Sta. 23+318.00)

ALTERNATIVE SHEET PILING INSTALLATION:

IN LOCATIONS WHERE THE HEADROOM IS FOUND TO BE LIMITED IN PREVENTING PROPER THREADING OF THE ADJACENT SHEET PILING SECTION INTERLOCKS, THE CONTRACTOR IS PERMITTED TO SUBMIT FOR APPROVAL AN ALTERNATIVE INSTALLATION METHOD PRIOR TO CONSTRUCTION. EXAMPLES OF ACCEPTABLE METHOD OF INSTALLATION INCLUDE WELDING THE PILING, INSTALLING MULTIPLE SHEETS BOLTED TOGETHER, OR SPECIAL DRIVING EQUIPMENT. THE COST OF THE WORK REQUIRED TO IMPLEMENT AND CONDUCT THE APPROVED METHOD IS INCLUDED WITH "PERMANENT STEEL SHEET PILING".

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF ADDISON

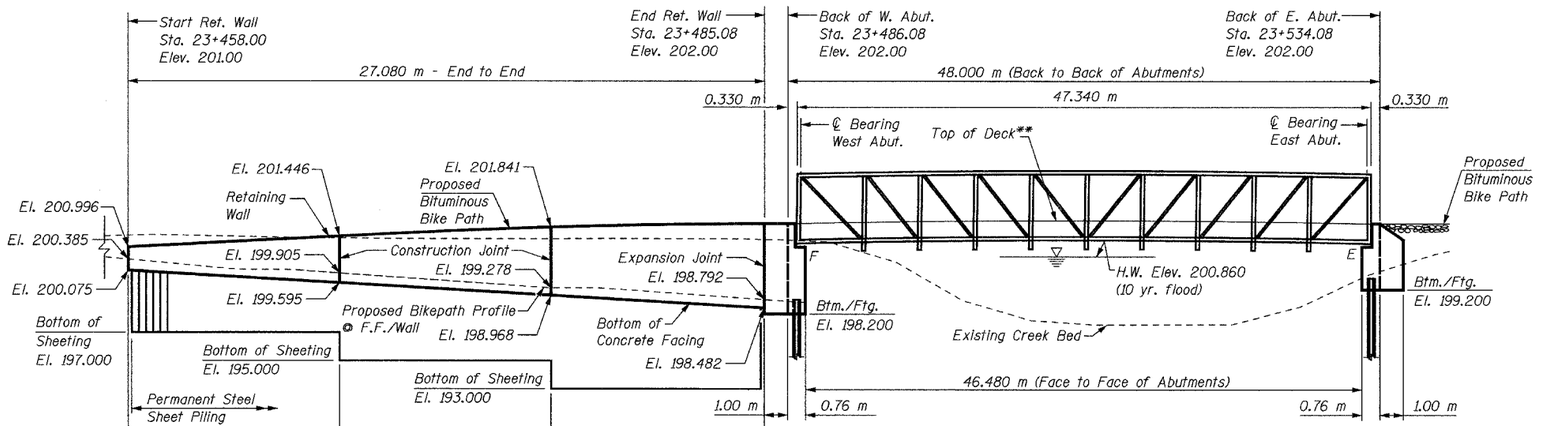
SALT CREEK GREENWAY TRAIL

TYPICAL CROSS SECTION

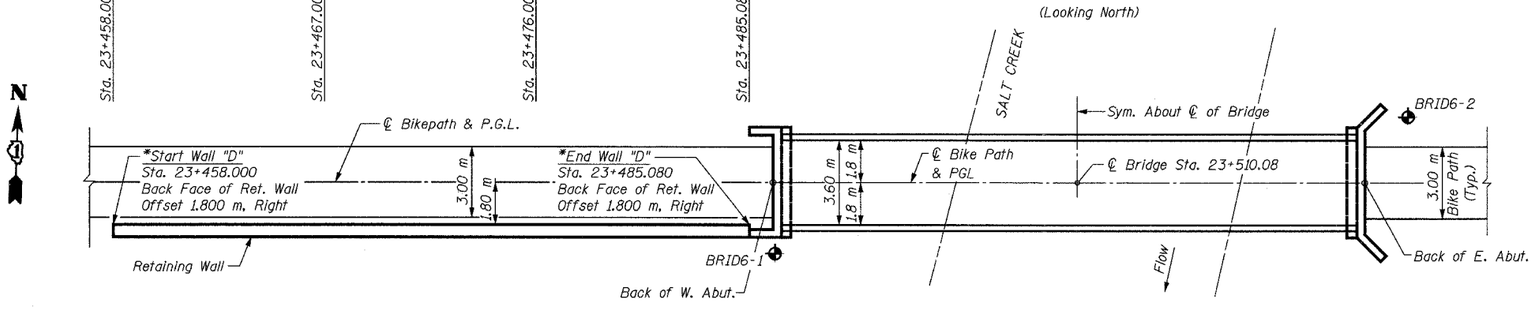
UNDER ROOSEVELT ROAD

DATE: 05/10/06 DRAWN BY: MDS

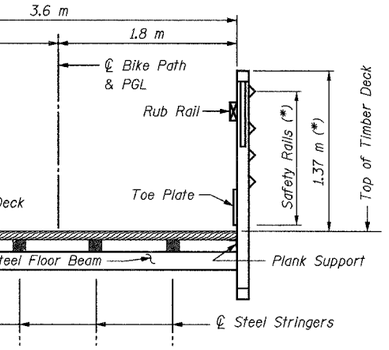
DESIGNED BY: MDS CHECKED BY: GAT



ELEVATION OF BRIDGE OVER SALT CREEK (ROOSEVELT)



PLAN



**Note:
Bridge Fabricator to adjust depth so that bottom chord elevation is above Frontage Road low beam elevation

TYPICAL CROSS SECTION

(*) Note:
If the top of the chord is greater than 1.37 m above the top of deck, a second rub rail shall be placed at 1.37 m above top of deck.

GENERAL NOTES:

1. The superstructure, including all truss members, railings, toe plates, bearings, wood deck, and all attachments on superstructure, shall be designed and detailed by the Contractor.
2. Reinforcement bars shall conform to the requirements of AASHTOM 31M, M 42M, or M 53M Grade 400.
3. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 3 mm. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 3 mm adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
4. The Contractor shall drive one (1) test pile in the permanent location at the West Abutment (center pile of group) as directed by the Engineer before ordering the remainder of the piles.
5. The profile of the structure shall be as shown, and as specified in the Special Provisions for camber.
6. The Contractor shall verify the final location of anchor bolts with the Bridge Manufacturer prior to construction and placement.
7. Steel sheet piling shall conform to the requirements of Section 1006.05 of the Standard Specifications.
8. If the Contractor chooses to alter the sheet piling design requirements shown on the plans for lesser design requirements, then full design submittal including plan details and sealed calculations will be required for review and acceptance by the Engineer.
9. All dimensions are in millimeters (mm) except as noted.
10. For Soil Boring Logs see Special Provisions.
11. Any pre-excavation carried out for placement of the sheet piling shall not extend below the bottom of concrete facing elevation.

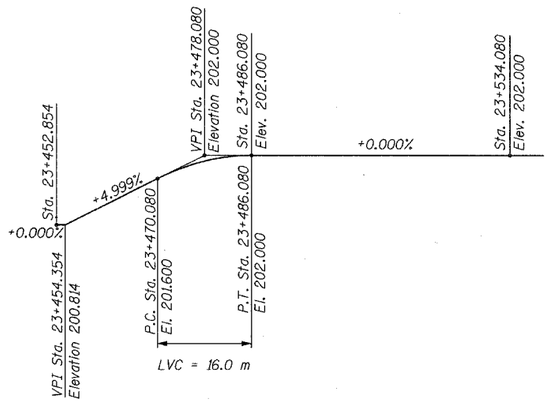
SHEET S27 of S33

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

Illinois Department of Transportation Standard Specifications for Road & Bridge Construction, adopted January 1, 2002 and Supplemental Specifications and Recurring Special Provisions adopted January 1, 2004.

AASHTO Guide Specifications for the Design of Pedestrian Bridges, 1997 Edition.



PROFILE GRADE

STATE OF ILLINOIS
GEORGE A. TAPAS
091-008013
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

Signature: _____

Current Date: 7/21/05

License Expires: 11/30/06

"I certify that to the best of my knowledge, information and belief, this bridge 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 the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0

CLASSIFICATION

Pedestrian/Bicycle Bridge

LOADING

Live Loading + Impact
4100 N/Sq. M Live Load
(May be adjusted for influence area)
50kN Vehicle Load (MS-5 Truck)

Equivalent Fluid Lateral Soil Pressure
6.3 kN/Cu. M

DESIGN STRESSES

f'c = 24 MPa
fy = 400 Mpa (Reinf.)
fy = 265 Mpa (Sheet Piling)

LEGEND

Soil Boring

*NOTE:
For horizontal curve and alignment information, see Plan & Profile drawings.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu. M	68
Concrete Structures	Cu. M	49.7
Reinforcement Bars, Epoxy Coated	kg	2810
Pedestrian Bridge Superstructure	Sq. M	173
Furnishing Steel Piles HP310x79	Meter	34
Furnishing Steel Piles HP310x94	Meter	51
Driving Steel Piles	Meter	85
Test Pile Steel HP310x79	Each	1
Metal Shoes	Each	5
Permanent Steel Sheet Piling	Sq. M	142
Pipe Handrail	Meter	27

TOTAL SHEETS	SHEET NO.
108	63

CONTRACT NO. 83714

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

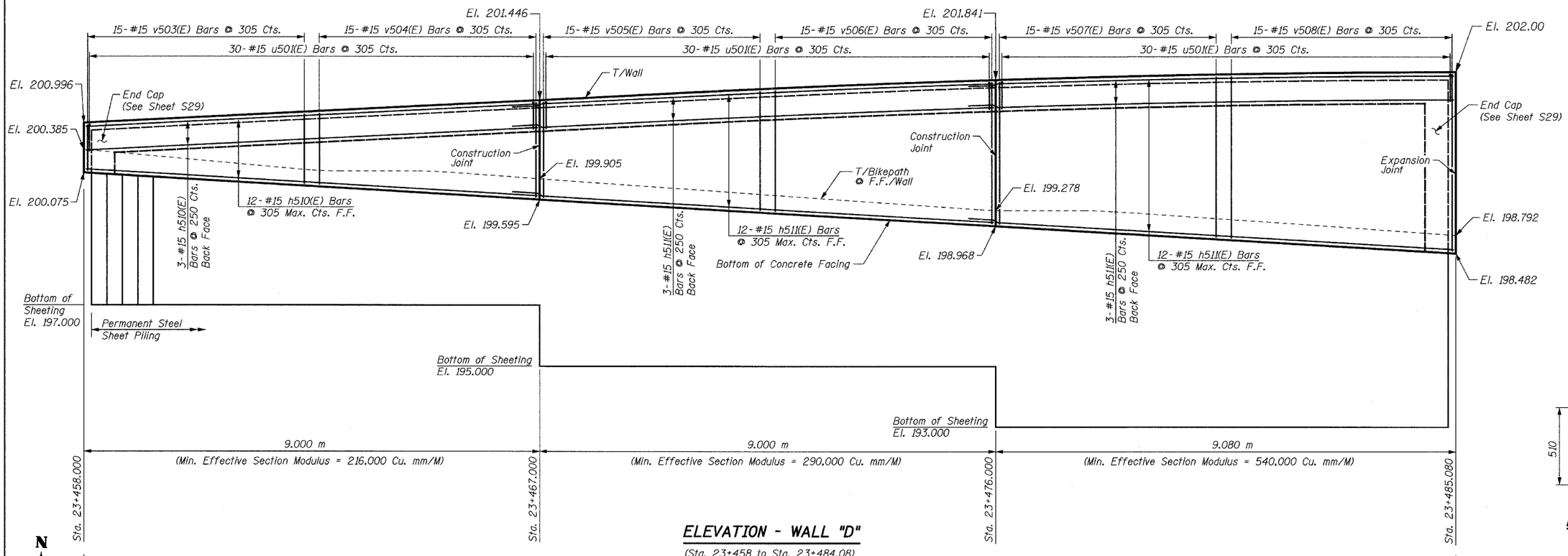
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
BRIDGE & RET. WALL, STA. 23+508.08
GENERAL PLAN AND ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

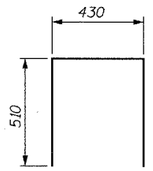
TOTAL SHEETS	SHEET NO.
108	64

CONTRACT NO. 83714

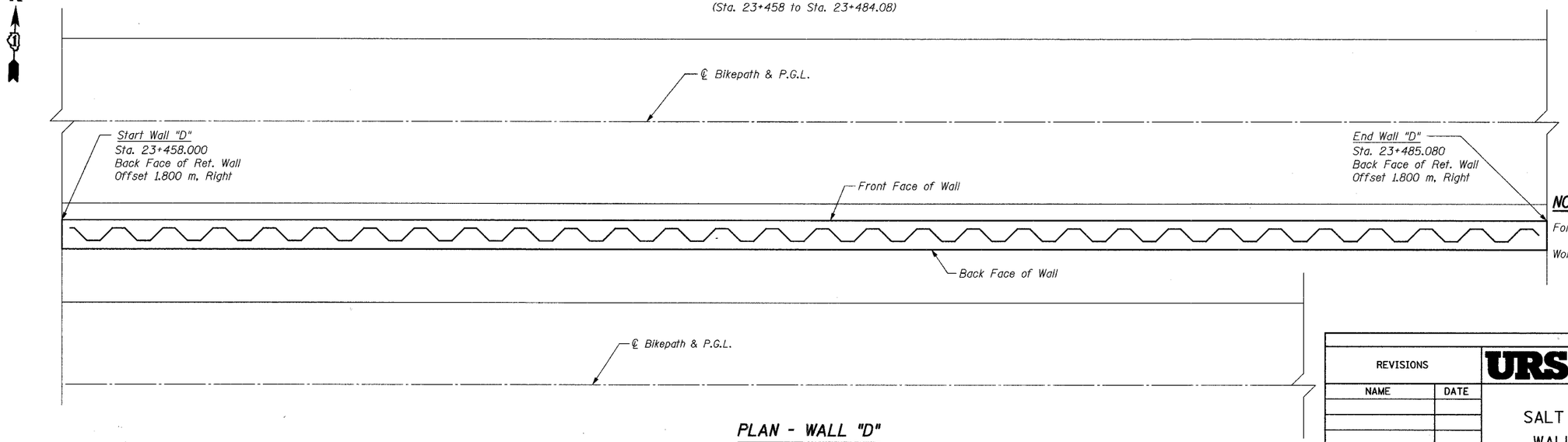


ELEVATION - WALL "D"

(Sta. 23+458 to Sta. 23+484.08)



BAR u501(E)



PLAN - WALL "D"

(Sta. 23+458 to Sta. 23+484.08)
(Reinforcement Omitted for Clarity)

NOTES:

For Notes and Bill of Material, see Sheet S29.

Work this sheet with Sheet S29.

SHEET S28 of S33

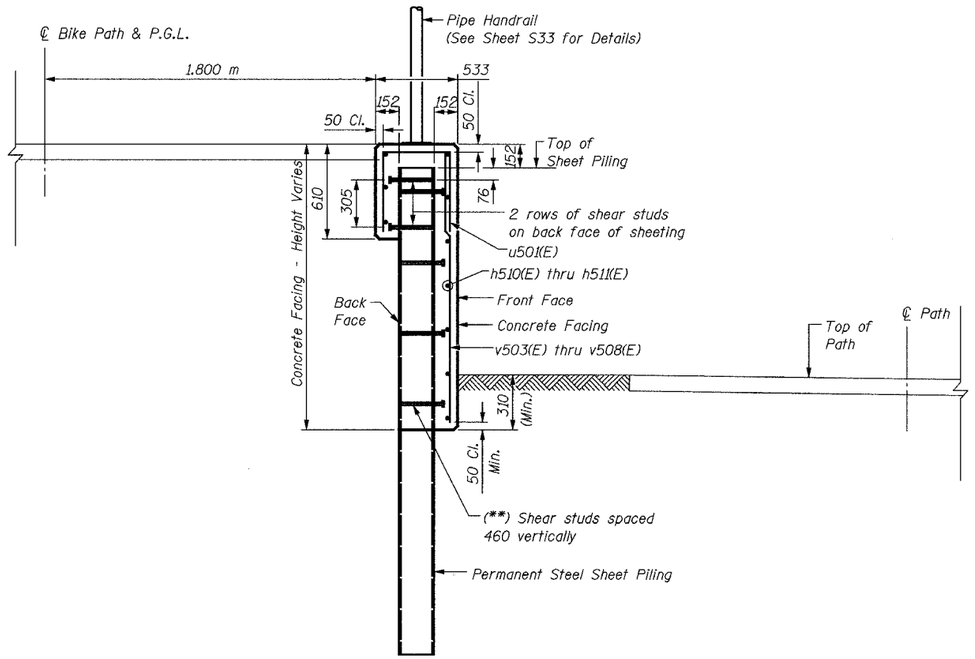
REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

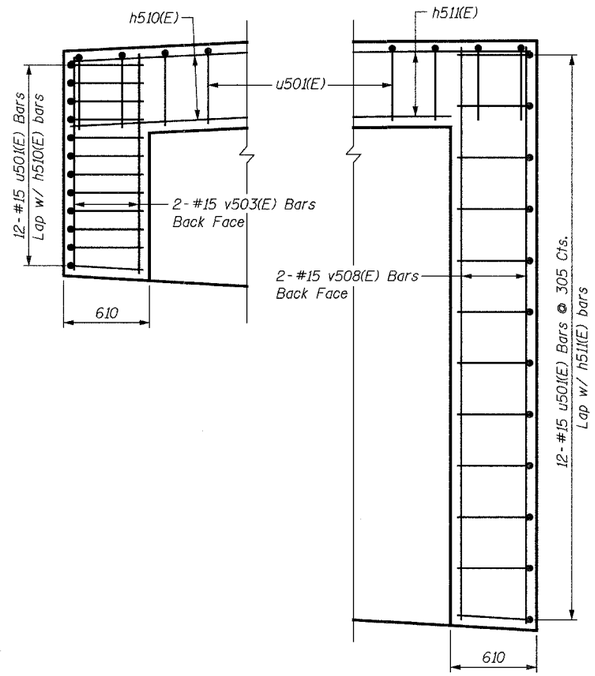
SALT CREEK GREENWAY TRAIL
WALL "D", STA. 23+458 TO
STA. 23+485.08, PLAN & ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT



SECTION THRU WALL "D"

(Section Sta. 23+458 to Sta. 23+485.08)

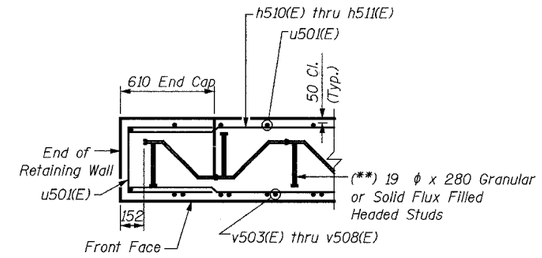


BILL OF MATERIAL

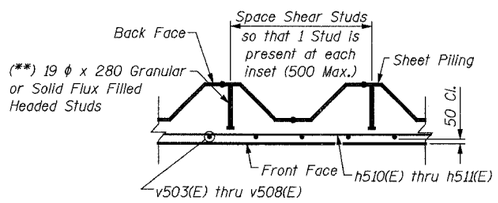
Bar	No.	Size	Length	Shape
h510(E)	15	#15	8.90 m	———
h511(E)	30	#15	9.64 m	———
u501(E)	114	#15	1.45 m	⊓
v503(E)	17	#15	1.28 m	———
v504(E)	15	#15	1.75 m	———
v505(E)	15	#15	2.26 m	———
v506(E)	15	#15	2.77 m	———
v507(E)	15	#15	3.09 m	———
v508(E)	17	#15	3.41 m	———
Concrete Structures			Cu. M	20.8
Reinforcement Bars, Epoxy Coated			kg	1,290
Structure Excavation			Cu. M	15.2
Permanent Steel Sheet Piling			Sq. M	175
Pipe Handrail			Meter	27

WEST END EAST END

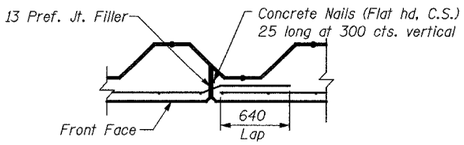
END CAP WALL DETAILS - WALL "D"



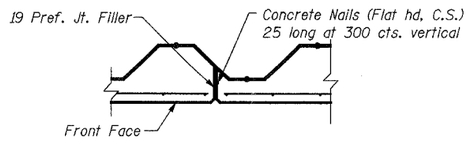
SECTION THRU CAP



TYPICAL SECTION THRU WALL



CONSTRUCTION JOIT DETAIL



EXPANSION JOINT DETAIL

(**) NOTE:

Shear Studs shall be 19 dia. x 208 Granular or Solid Flux Filled Headed Studs conforming to 505.08 (m) of the Standard Specifications, automatically end welded in the field to Sheet Piling. The cost of the studs is included in the cost of PERMANENT STEEL SHEET PILING.

NOTES:

Fan h(E) bars for even distribution over face of wall.

Cut v(E) bars as necessary in field to fit.

Minimum lap for #15 bar = 640 mm.

All exposed edges of concrete shall have a 20 mm chamfer unless shown otherwise.

For minimum effective section modulus properties for sheet piling sections, refer to special provision for Permanent Steel Sheet Piling.

Work this sheet with Sheet S28.

Bars designated (E) shall be epoxy coated.

All dimensions are in millimeters (mm) unless otherwise noted.

For Plan and Elevation of Wall "D", see Sheet S28.

TOTAL SHEETS	SHEET NO.
108	65

CONTRACT NO. 83714

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF OAKBROOK

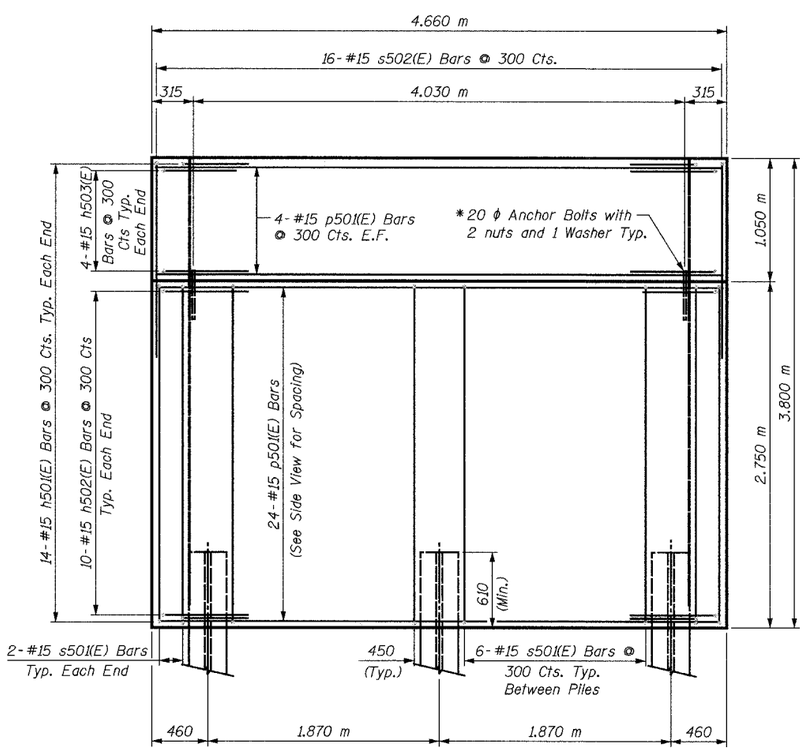
SALT CREEK GREENWAY TRAIL

RETAINING WALL "D"

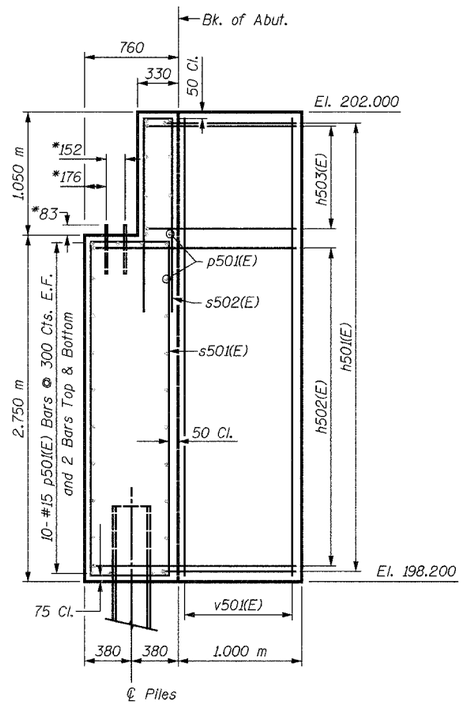
DETAILS

DATE: 06/30/05 DRAWN BY: MDS

DESIGNED BY: MDS CHECKED BY: GAT

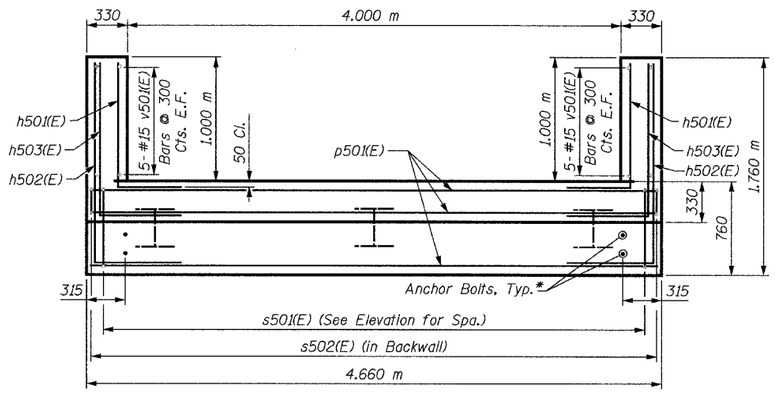


ELEVATION



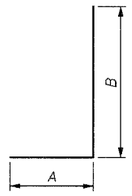
SIDE VIEW

*Anchor bolt size and locations shall be checked against the Bridge Fabricator's requirements prior to setting them.

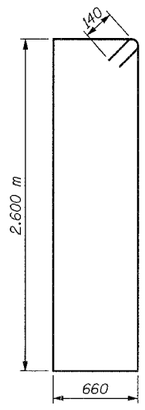


PLAN

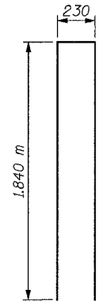
Bar	A	B
h501(E)	0.900 m	1.000 m
h502(E)	0.900 m	1.640 m
h503(E)	0.900 m	1.220 m



BAR h501(E) TO h503(E)



BAR s501(E)



BAR s502(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h501(E)	28	#15	1.90 m	
h502(E)	20	#15	2.54 m	
h503(E)	8	#15	2.12 m	
p501(E)	32	#15	4.56 m	
s501(E)	16	#15	6.84 m	
s502(E)	16	#15	3.91 m	
v501(E)	20	#15	3.67 m	
Concrete Structures			Cu. M	14.0
Reinforcement Bars, Epoxy Coated			kg	810
Furnishing Steel Piles HP310x94			Meter	51
Driving Steel Piles			Meter	51
Metal Shoes			Each	3
Structure Excavation			Cu. M	31

LEGEND

E.F. = Each Face

MIN. BAR LAP

#15 = 890

PILE DATA:

Type: HP310x94
Capacity: Driven to Refusal
Est. Length: 17 m
No. Required: 3

NOTES:

Space reinforcement in cap to miss anchor bolts.

All edges shall have standard 20 mm chamfers except as noted.

For Anchor Bolt Details, see Sheet S32.

There shall be no splicing of longitudinal bars. Bars shall be ordered full length.

Bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

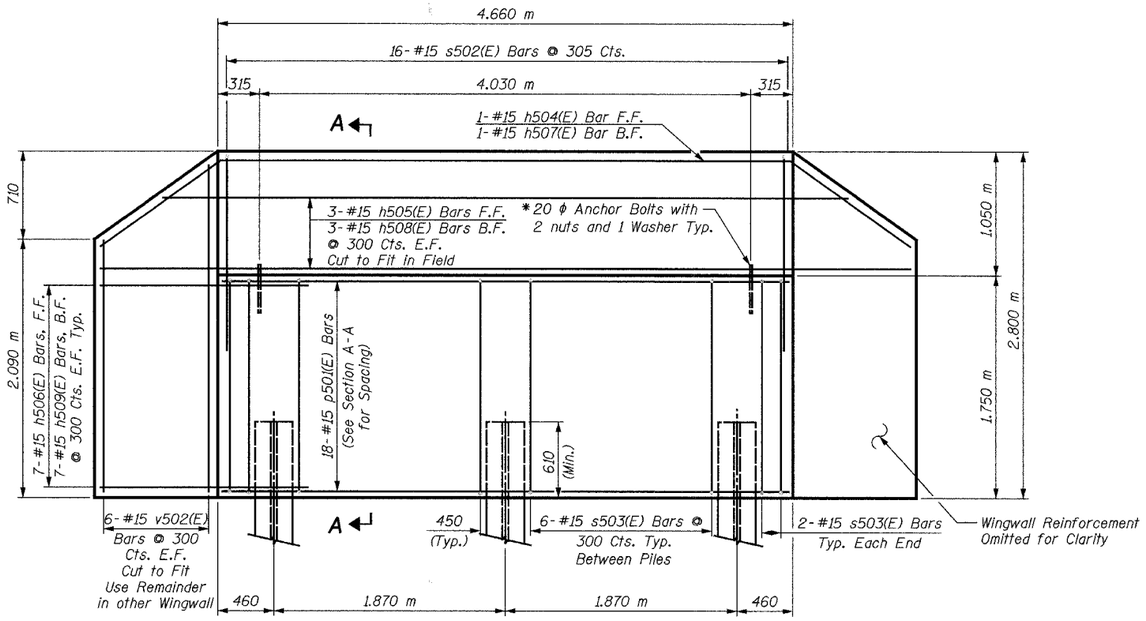
VILLAGE OF OAKBROOK

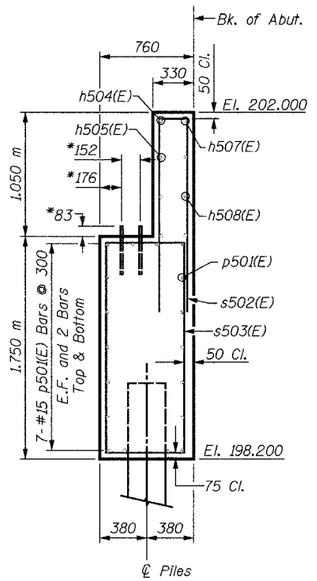
SALT CREEK GREENWAY TRAIL
PEDESTRIAN BRIDGE, STA. 23+508.08
WEST ABUTMENT DETAILS

DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	67

CONTRACT NO. 83714





BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h504(E)	1	#15	7.85 m	
h505(E)	3	#15	7.26 m	
h506(E)	14	#15	2.23 m	
h507(E)	1	#15	7.28 m	
h508(E)	3	#15	6.97 m	
h509(E)	14	#15	2.16 m	
p501(E)	18	#15	4.56 m	
s502(E)	16	#15	3.91 m	
s503(E)	16	#15	4.80 m	
v502(E)	12	#15	4.64 m	
Concrete Structures			Cu. M	10.2
Reinforcement Bars, Epoxy Coated			kg	630
Furnishing Steel Piles HP310x79			Meter	34
Driving Steel Piles			Meter	34
Test Pile Steel HP310x79			Each	1
Metal Shoes			Each	2
Structure Excavation			Cu. M	12

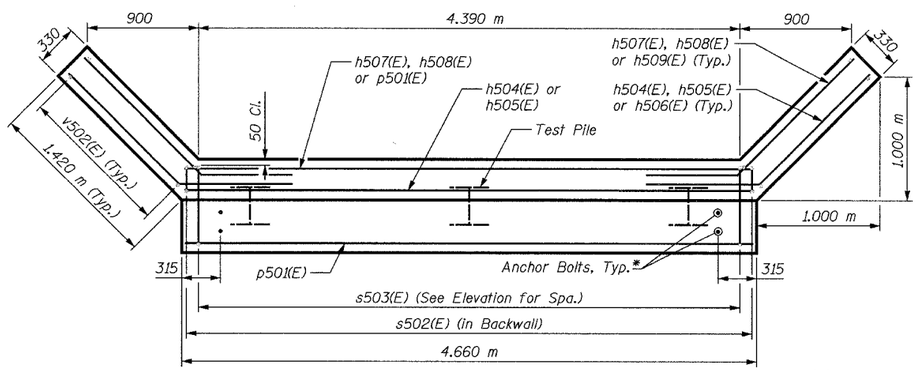
LEGEND

E.F. = Each Face
F.F. = Front Face
B.F. = Back Face

MIN. BAR LAP

#15 = 890

ELEVATION



PILE DATA:

Typ. HP310x79
Capacity: Driven to Refusal
Est Length: 17 m
No. Required: 2 + 1 Test Pile

(Test Pile shall be a permanent pile driven at the East Abutment)

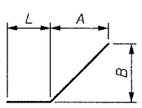
SECTION A-A

*Anchor bolt size and locations shall be checked against the Bridge Fabricator's requirements prior to setting them.

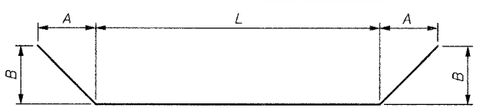
PLAN

Bar	A	B	L
h504(E)	1.150 m	1.150 m	4.600 m
h505(E)	0.940 m	0.940 m	4.600 m
h507(E)	1.000 m	1.000 m	4.450 m
h508(E)	0.890 m	0.890 m	4.450 m

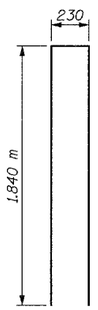
Bar	A	B	L
h506(E)	0.940 m	0.940 m	0.900 m
h509(E)	0.890 m	0.890 m	0.900 m



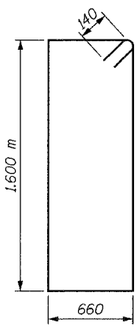
BAR h506(E) & h509(E)



BARS h504(E), h505(E), h507(E) & h508(E)



BAR s502(E)



BAR s503(E)

NOTES:

Space reinforcement in cap to miss anchor bolts.

All edges shall have standard 20 mm chamfers except as noted.

For Anchor Bolt Details, see Sheet S32.

There shall be no splicing of longitudinal bars. Bars shall be ordered full length.

Bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
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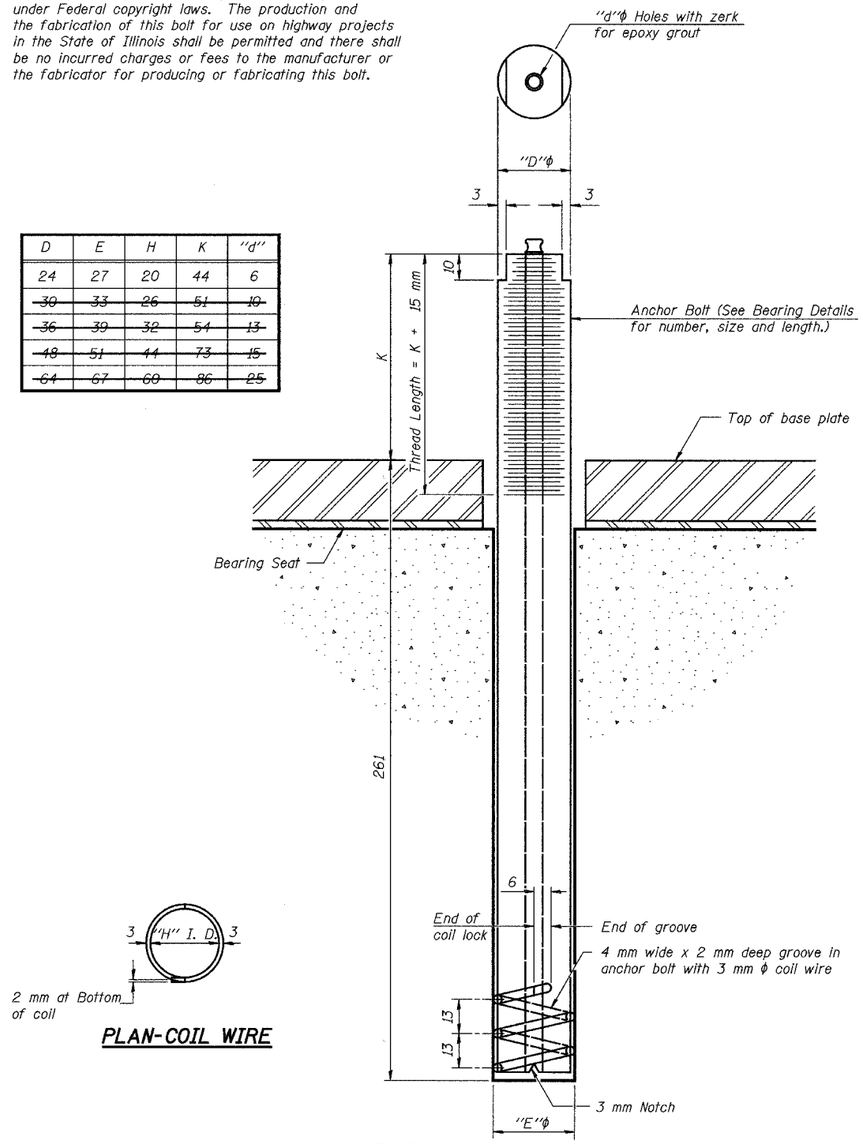
FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
PEDESTRIAN BRIDGE, STA. 23+508.08
EAST ABUTMENT DETAILS

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT

D	E	H	K	"d"
24	27	20	44	6
~~30~~	~~33~~	~~26~~	~~51~~	~~10~~
~~36~~	~~39~~	~~32~~	~~54~~	~~13~~
~~48~~	~~51~~	~~44~~	~~73~~	~~15~~
~~64~~	~~67~~	~~60~~	~~86~~	~~25~~



PLAN-COIL WIRE

ILLINOIS COIL-LOCK ANCHOR BOLT

MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cut washers.

The coil wire shall be made of any suitable soft steel wire.

The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.

The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type I, Grade 1 and of a Class suitable for the temperature at installation.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

The Contractor may use, at his option, 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 type anchor rods shall be a two part system composed of:

1. A threaded rod stud with nut and washer of the type specified.
2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Size	Type
M24 x 305	A 307

ASTM F 1554 (Fy = 724 MPa), ASTM A 449 and AASHTO M 314 (Fy = 724 MPa) anchor bolts may be substituted for the anchor bolts shown above.

GENERAL NOTES

Holes in the masonry for anchor bolts shall be drilled through the base plates to the diameter and depth shown or according to the manufacturer's recommendation after beams or girders have been erected and adjusted.

Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.

The anchor bolts, furnished and installed and including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for Pedestrian Bridge, 44 m.

ABB-1 4-30-99

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
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FAX (847) 228-1115

VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL

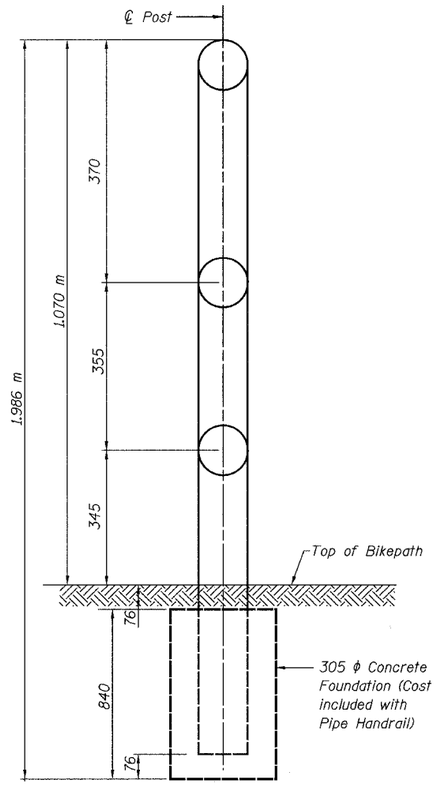
ANCHOR BOLT DETAIL

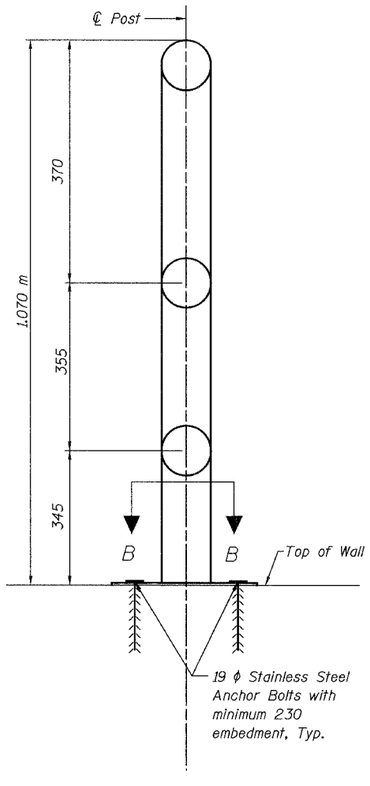
DATE: 06/30/05 DRAWN BY: MDS

DESIGNED BY: MDS CHECKED BY: GAT

TOTAL SHEETS	SHEET NO.
108	69

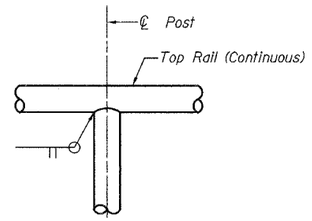
CONTRACT NO. 83714



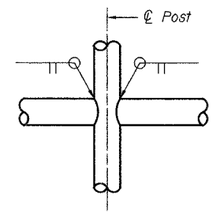


DETAIL - GROUND MOUNTED RAIL POST

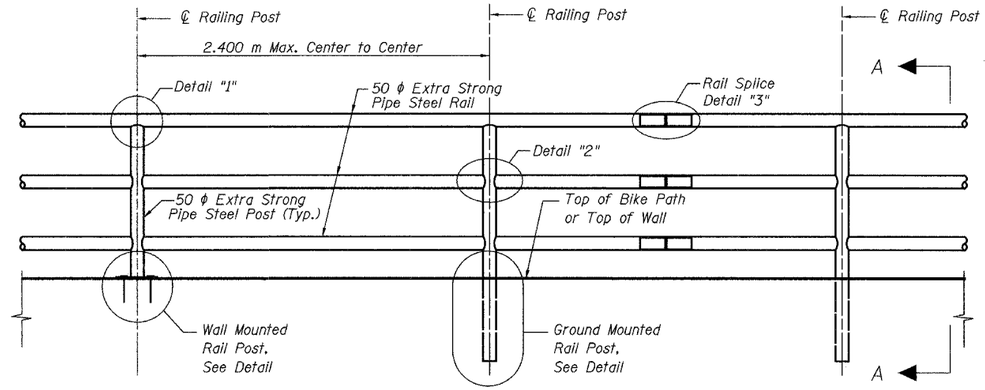
DETAIL - WALL MOUNTED RAIL POST



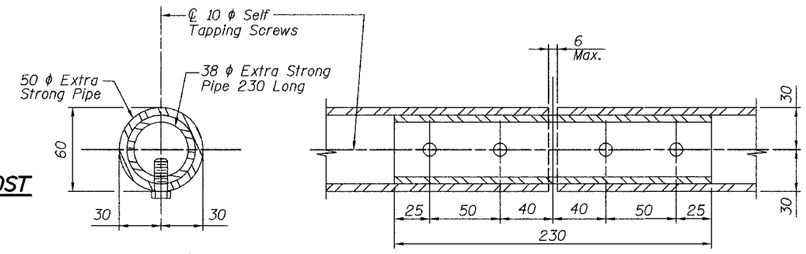
DETAIL 1



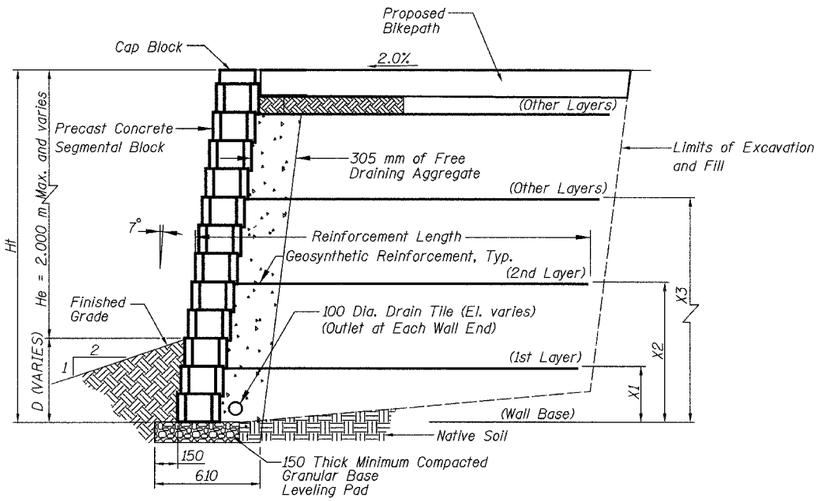
DETAIL 2



TYPICAL PIPE HANDRAIL ELEVATION

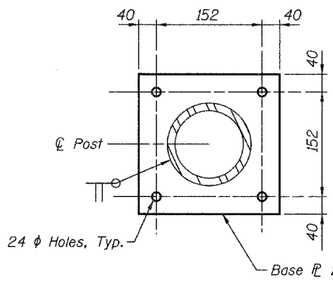


DETAIL 3 - RAIL SPLICE

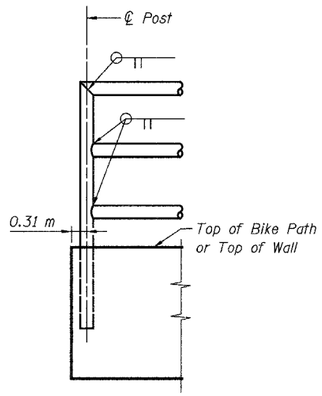


TYPICAL SECTION THROUGH SEGMENTAL CONCRETE BLOCK WALL

Note: Ht, X1, X2 and X3 to be determined by Fabricator



SECTION B-B



ELEVATION SHOWING END POST

NOTES:

1. The Contractor shall submit design, construction plans with material information, and shop drawings, including connection details, signed by a Structural Engineer licensed in the state of Illinois to the Engineer for approval before ordering materials.
2. Segmental Concrete Block Wall shall be designed to resist equivalent fluid pressure = 6.3 kN/Cu. M.
3. Design of the Segmental Concrete Block Wall shall be in compliance with the guidelines for the design of mechanically stabilized earth walls as developed by AASHTO-AGC-ARTA Joint Committee Task Force 27 Ground Modification Systems.
4. Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per meter.
5. Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, Structural Steel Tubing.
6. All other steel shapes and plates shall conform to the requirements of AASHTO M-270M, Grade 345.
7. 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 and washers shall be galvanized according to AASHTO M-232 except stainless steel bolts as noted.
8. 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.
9. Rail to match horizontal profile of bikepath.

SHEET S33 of S33

REVISIONS	
NAME	DATE

URS
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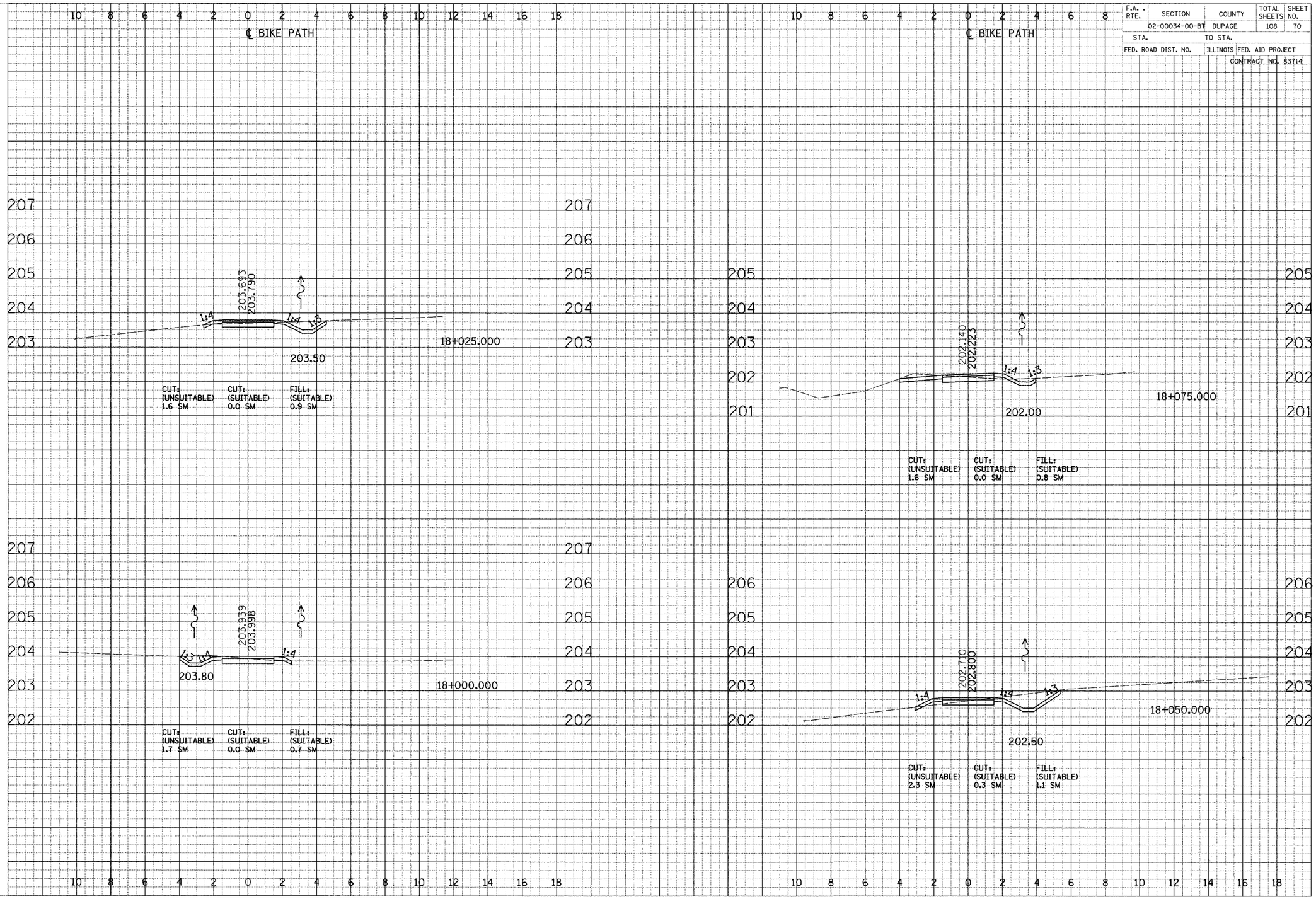
VILLAGE OF OAKBROOK

SALT CREEK GREENWAY TRAIL
TYPICAL SEGMENTAL CONCRETE BLOCK WALL DETAILS

DATE: 06/30/05 DRAWN BY: MDS
DESIGNED BY: MDS CHECKED BY: GAT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	70
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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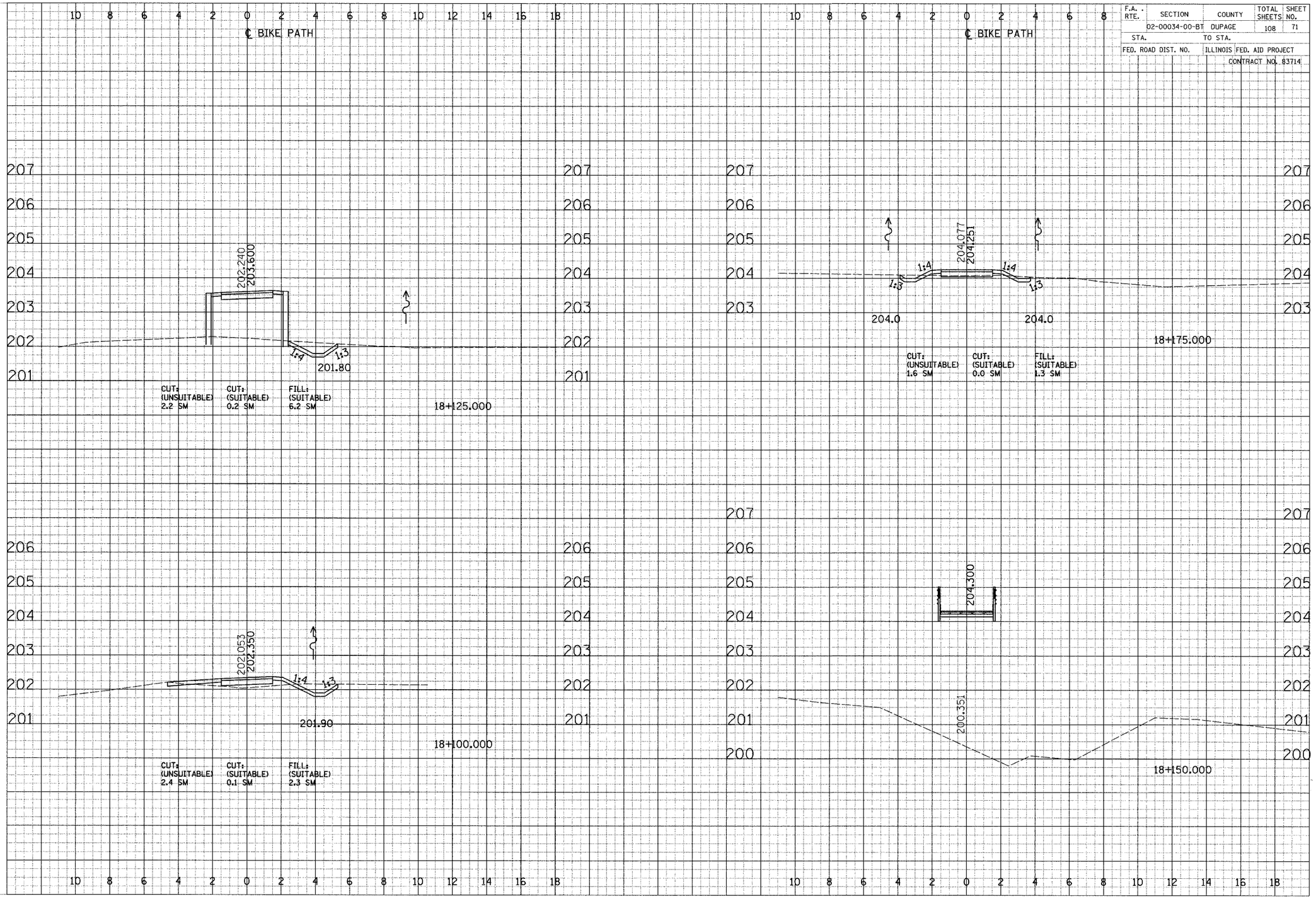
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 83714		



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
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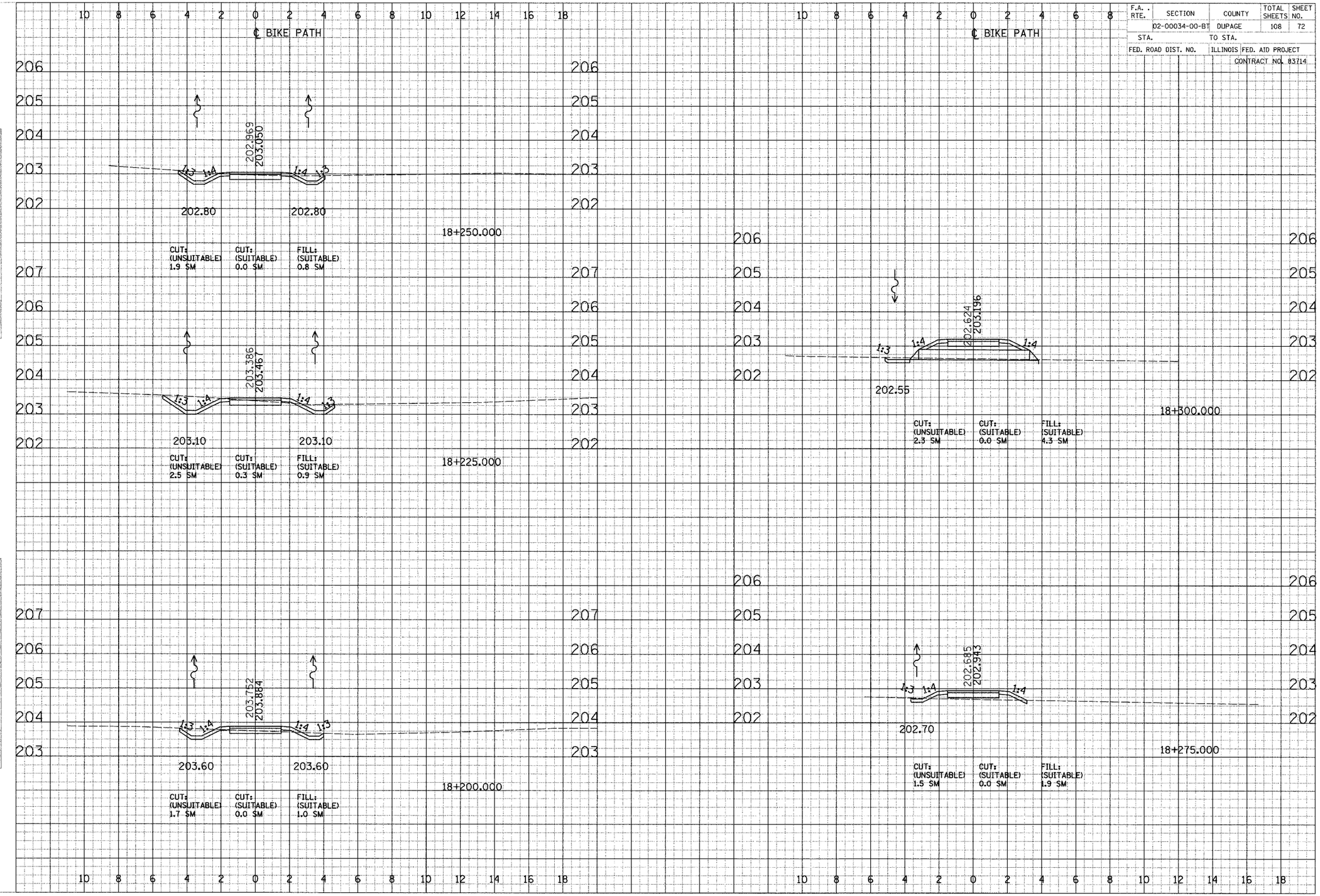
			CONTRACT NO. 83714	



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

ORIGINAL SURVEY | DATE | BY | SURVEYED | PLOTTED | NOTE BOOK | AREAS | VOLUMES | AREAS CHECKED | VOL. CHECKED

℄ BIKE PATH

18+350.000

205.195
203.1230
1:4 1:4 1:3
202.80

CUT: (UNSUITABLE) 2.7 SM | CUT: (SUITABLE) 1.0 SM | FILL: (SUITABLE) 0.8 SM

18+325.000

202.700
202.988
1:4 1:4 1:3
202.70 202.70

CUT: (UNSUITABLE) 2.4 SM | CUT: (SUITABLE) 0.2 SM | FILL: (SUITABLE) 2.3 SM

℄ BIKE PATH

18+425.000

203.204
203.285
1:4 1:4 1:3
203.10

CUT: (UNSUITABLE) 2.7 SM | CUT: (SUITABLE) 0.6 SM | FILL: (SUITABLE) 1.1 SM

18+400.000

202.864
203.193
1:4 1:4
203.00

CUT: (UNSUITABLE) 1.7 SM | CUT: (SUITABLE) 0.0 SM | FILL: (SUITABLE) 2.5 SM

18+375.000

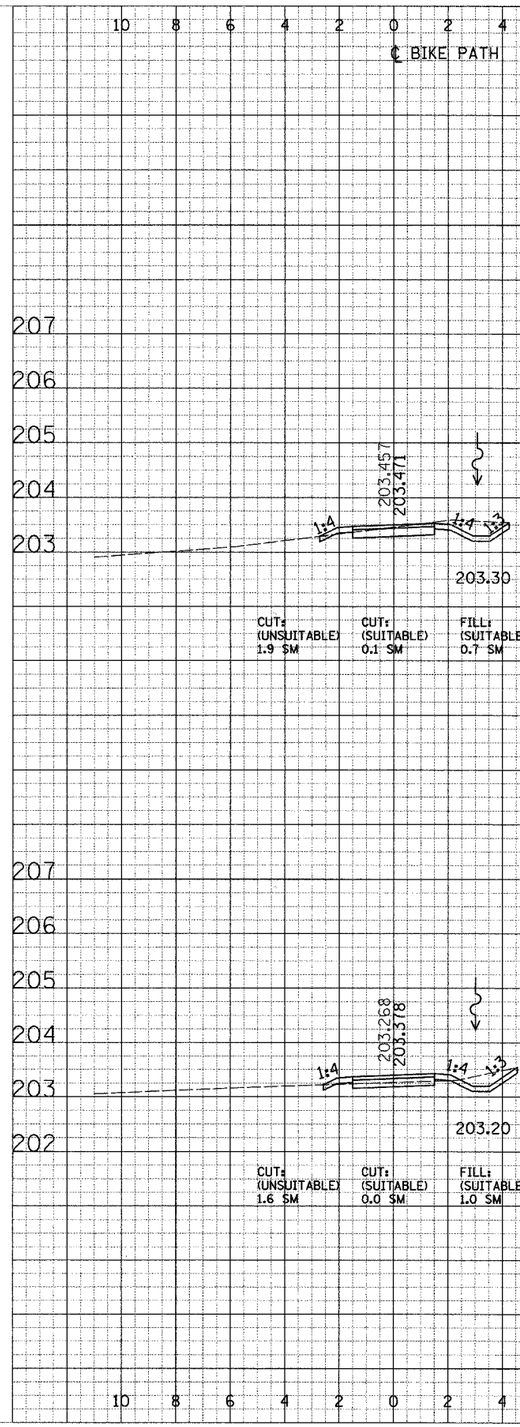
202.957
203.129
1:4 1:4 1:3
202.90

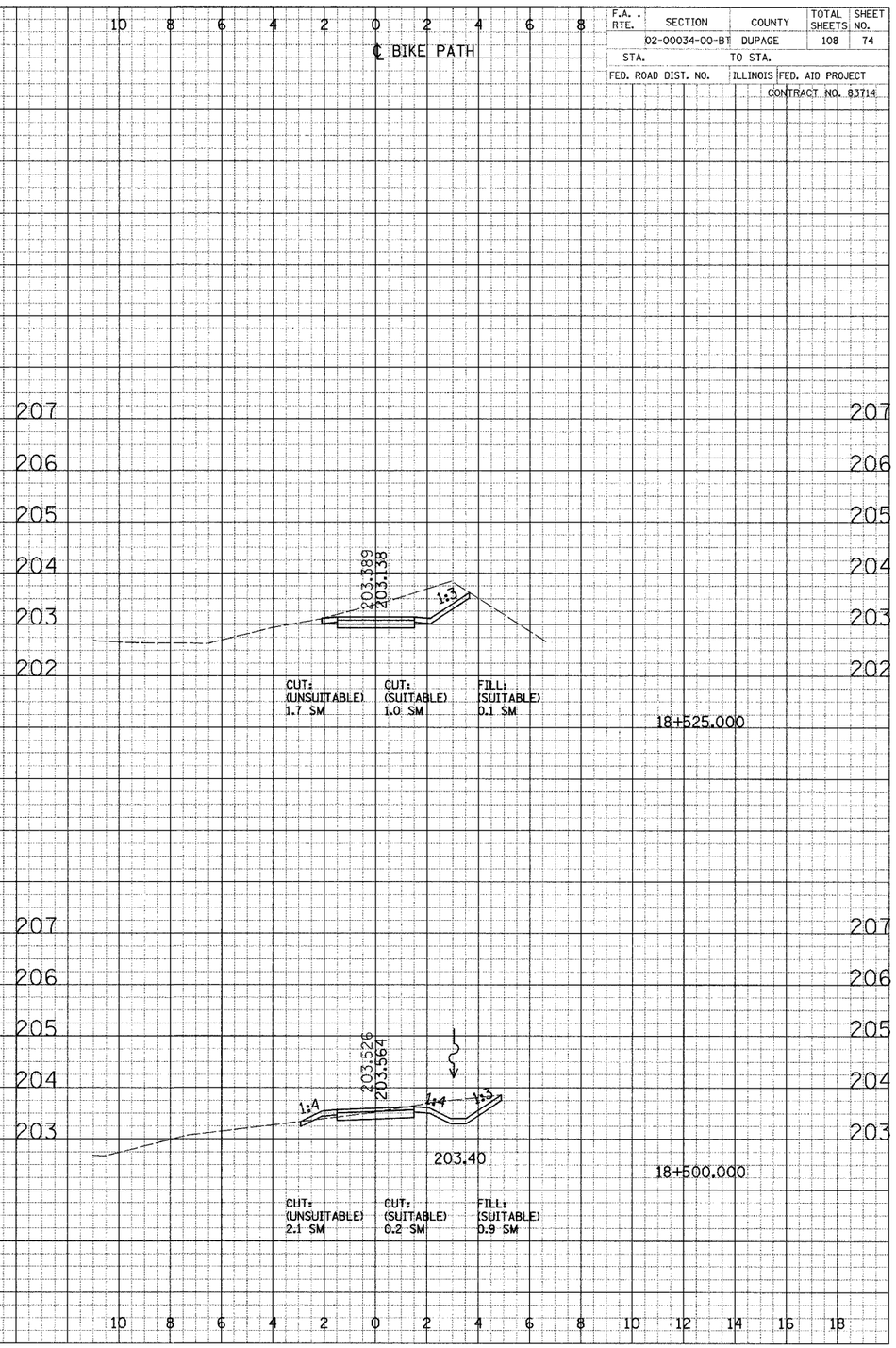
CUT: (UNSUITABLE) 1.9 SM | CUT: (SUITABLE) 0.0 SM | FILL: (SUITABLE) 1.6 SM

CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	74
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

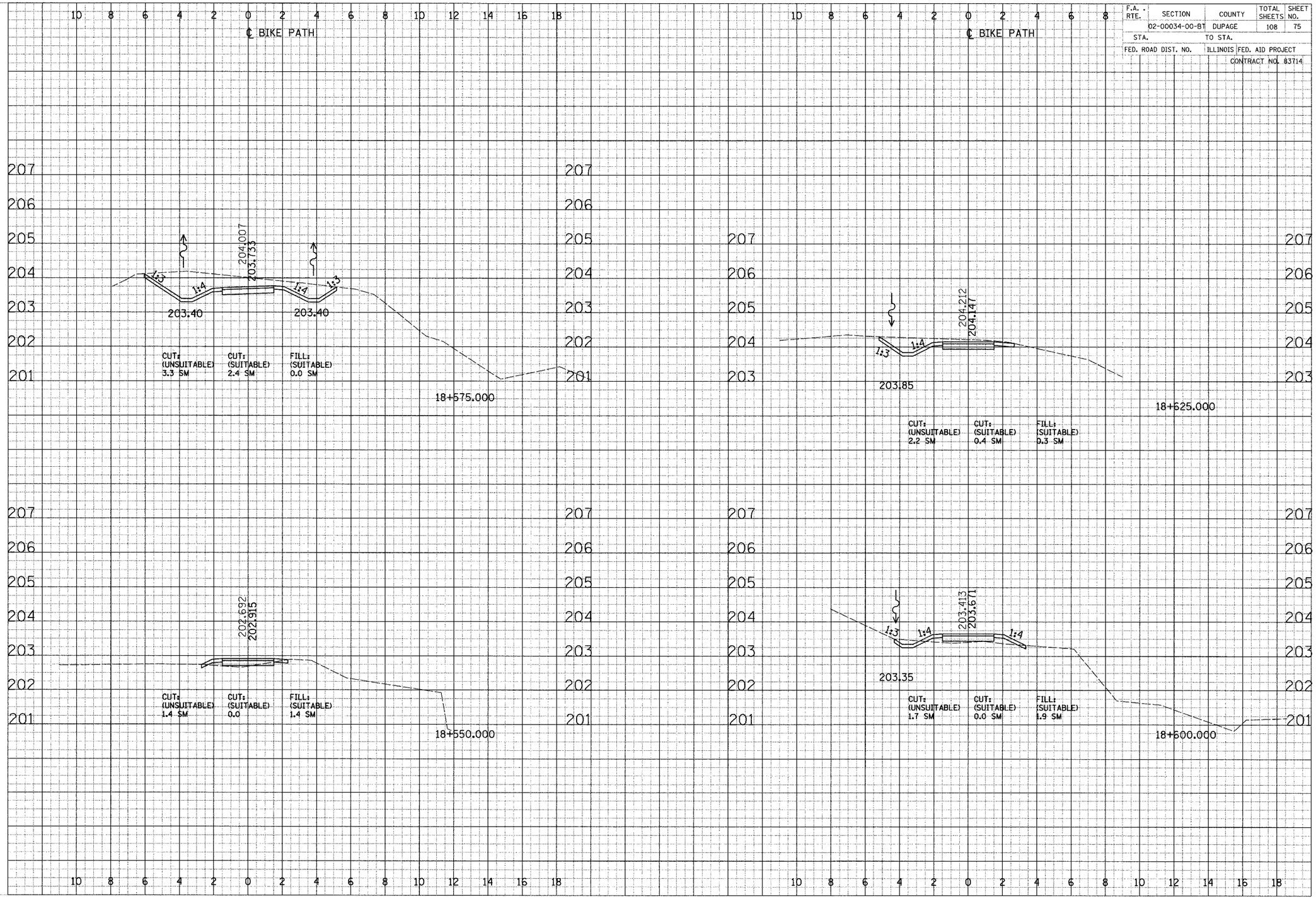
FINAL SURVEY | ORIGINAL SURVEY
SURVEYED
PLOTTED
INPUT BY
NOTE BOOK
AREAS CHECKED
BY | DATE





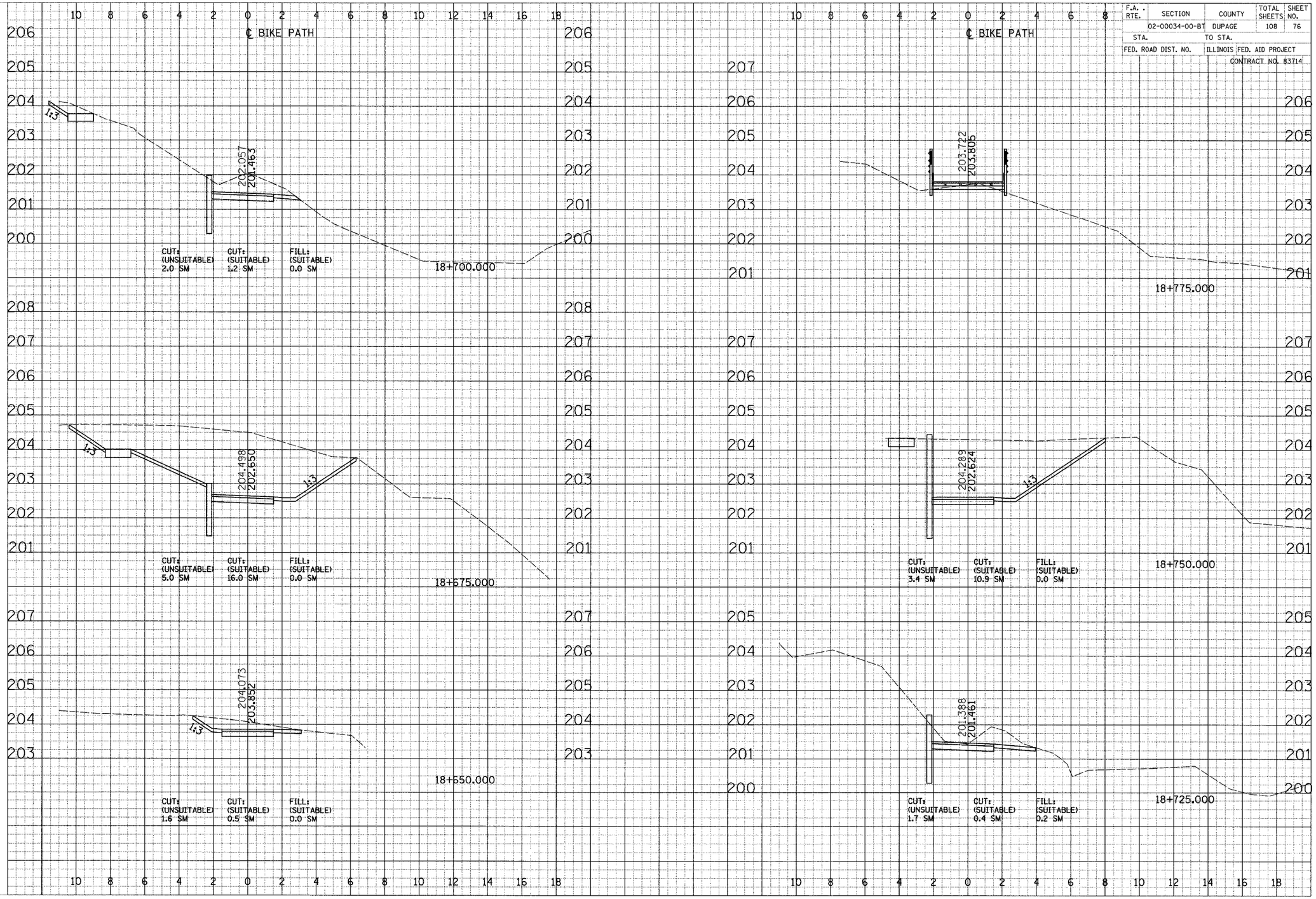
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	75
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		



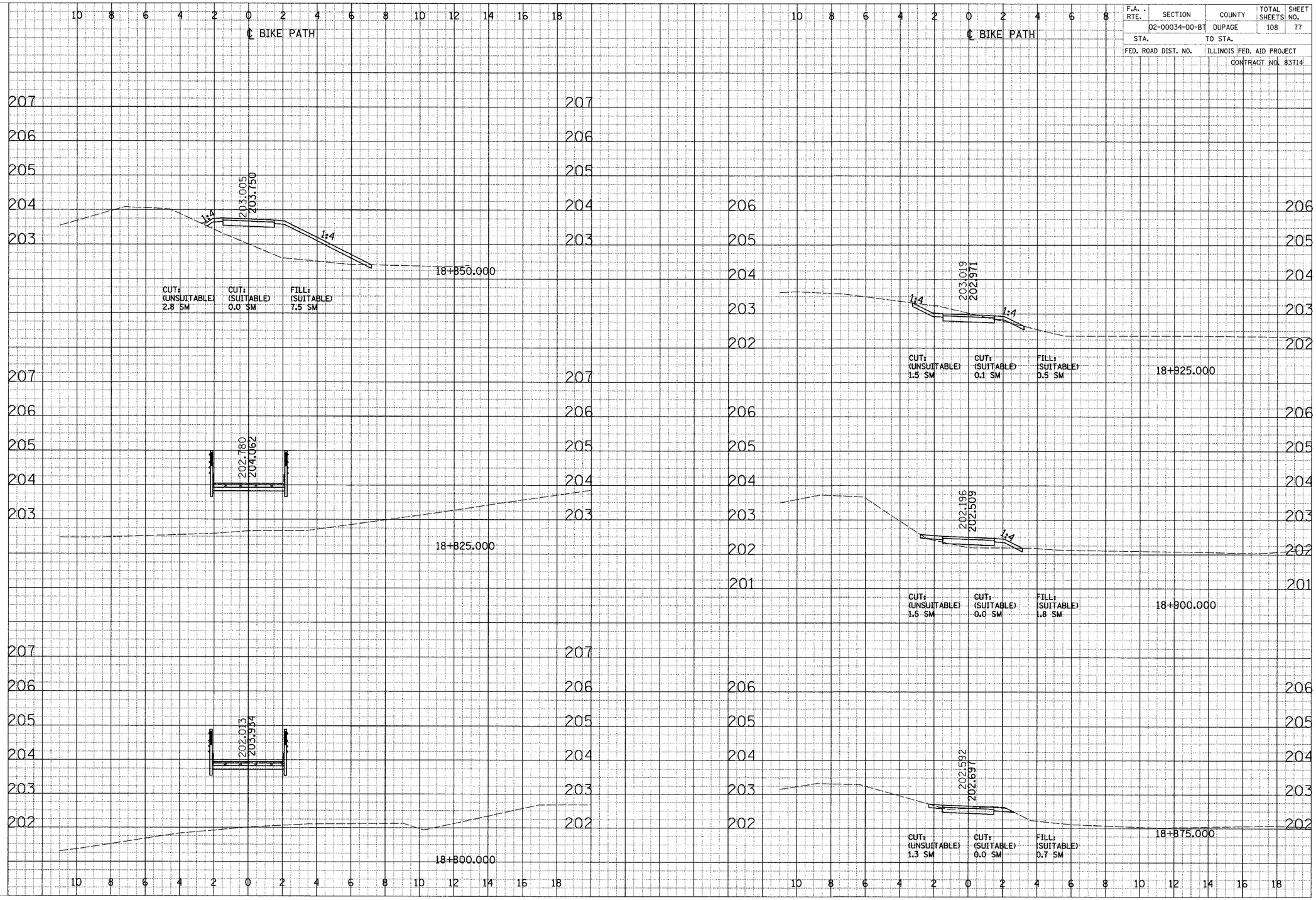
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	76
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		



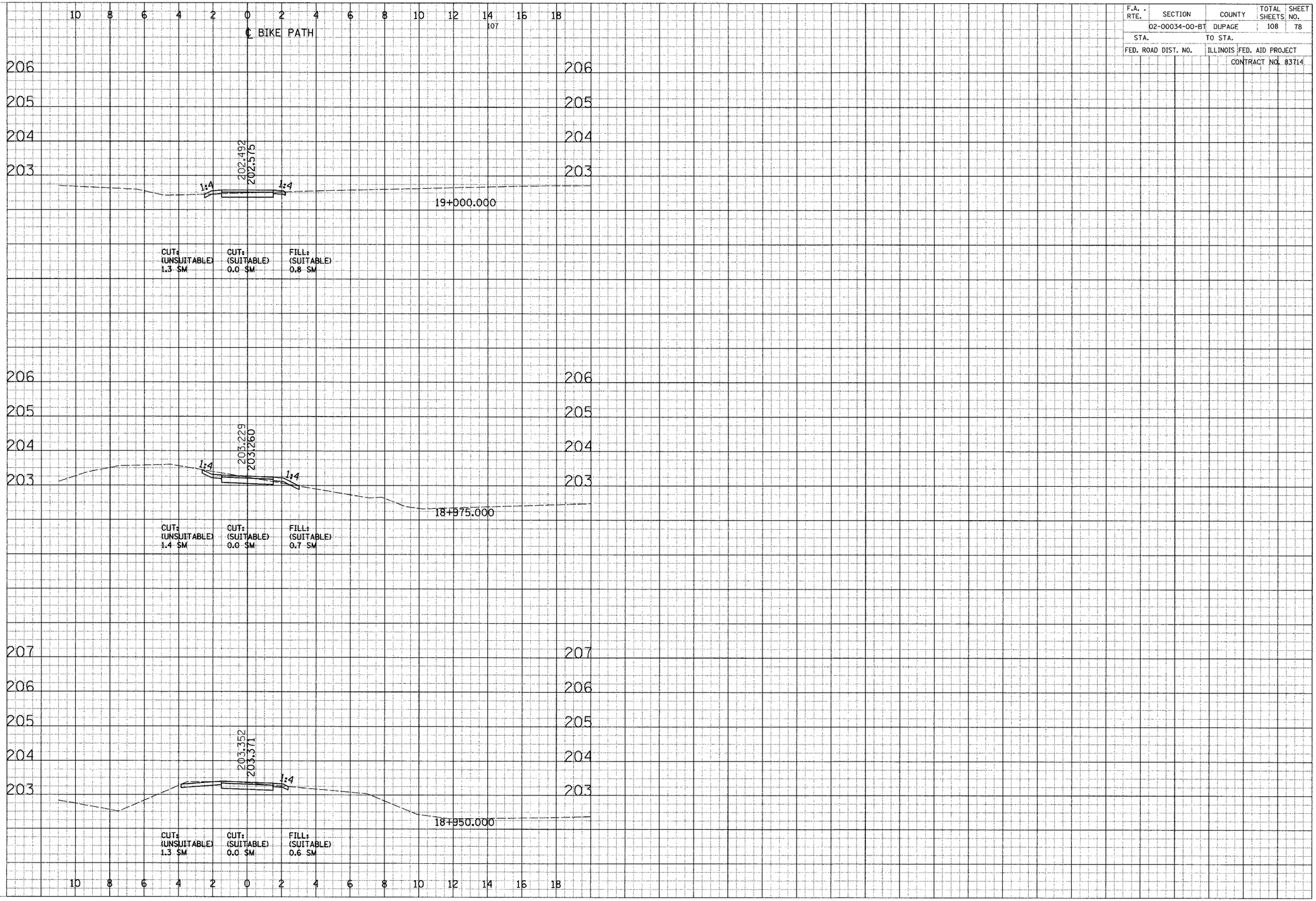
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	77
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	



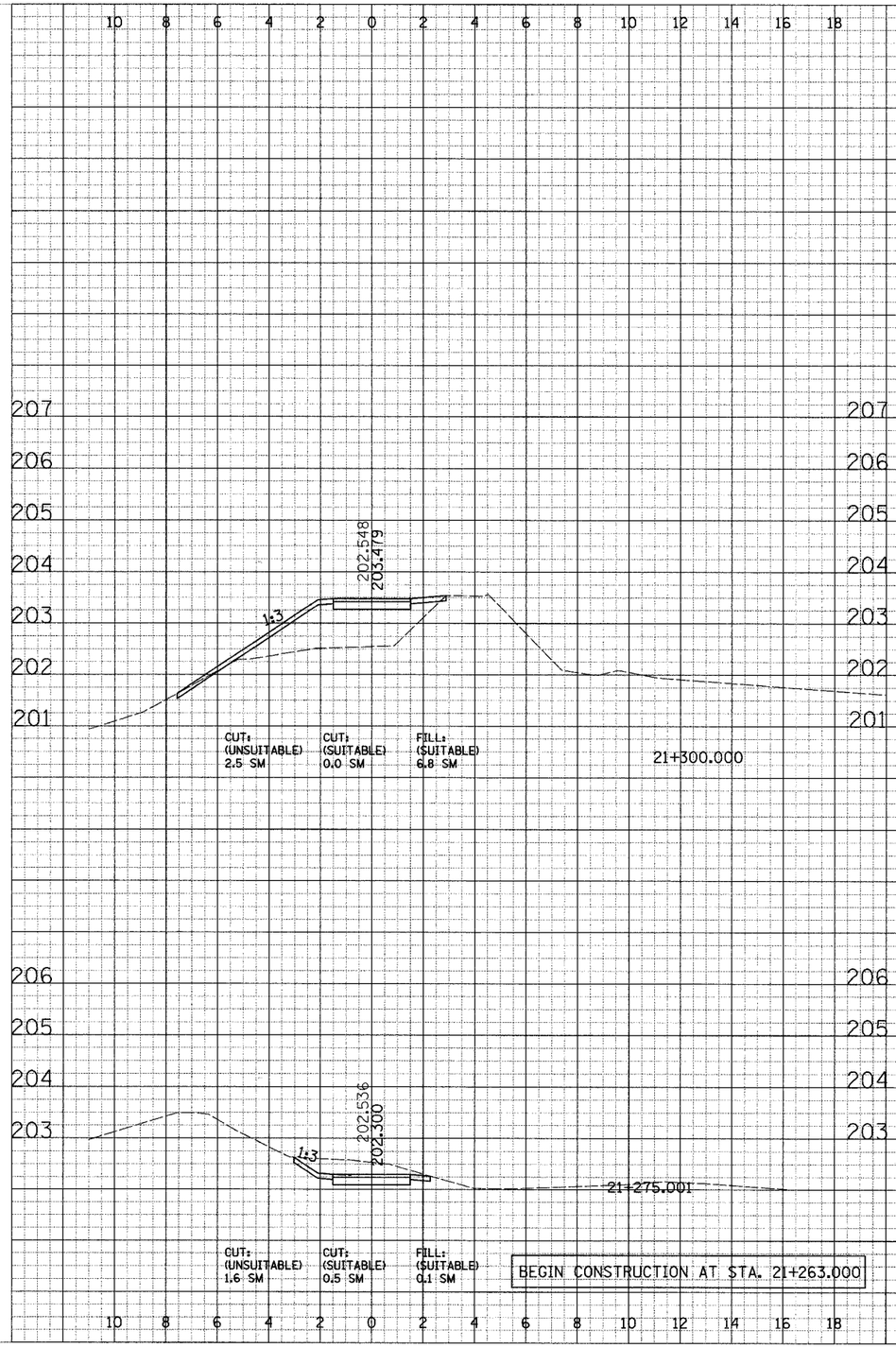
CROSS SECTIONS - SOUTH DUPAGE

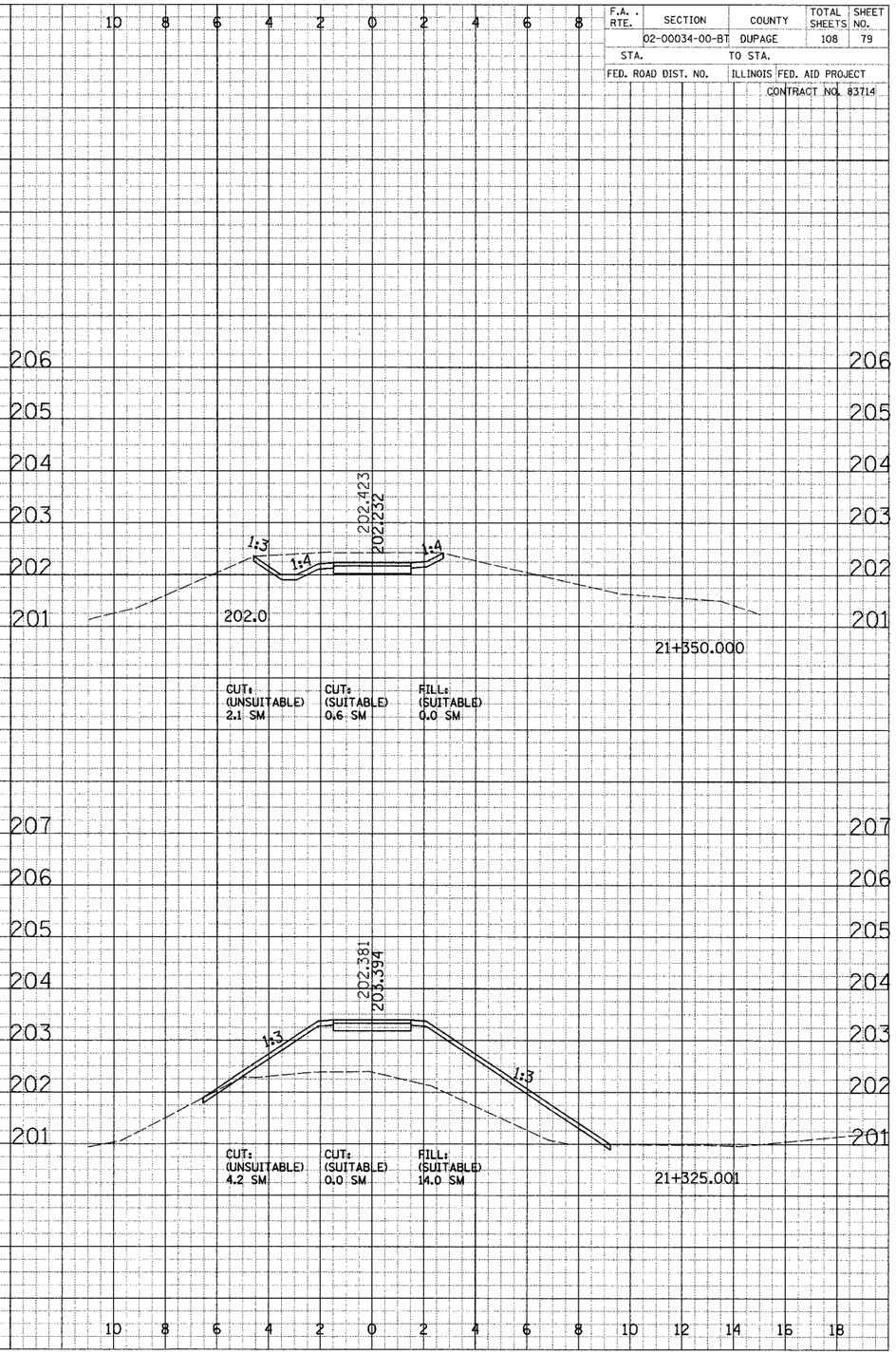
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	78
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	



CROSS SECTIONS - SOUTH DUPAGE

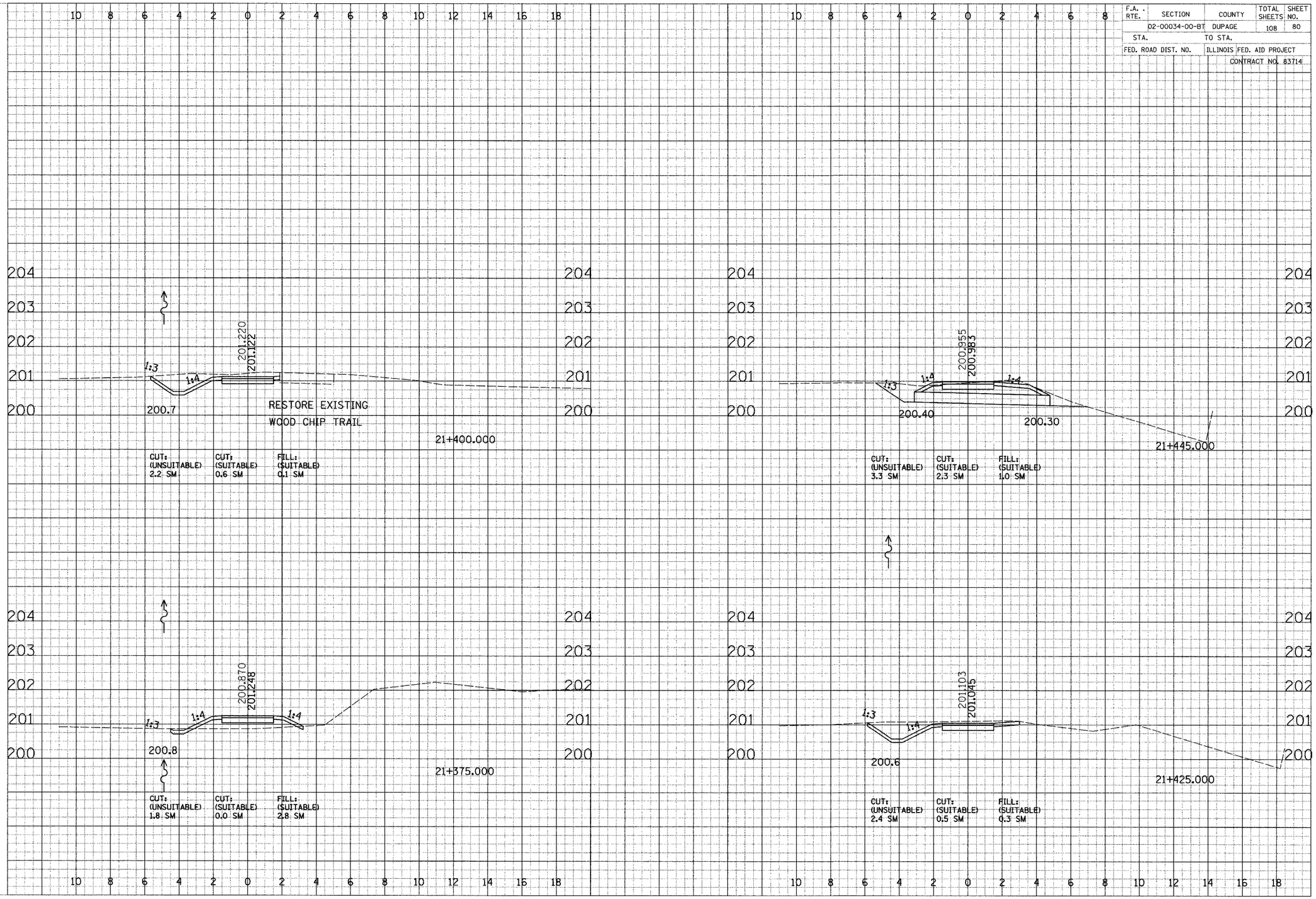
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	79
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		





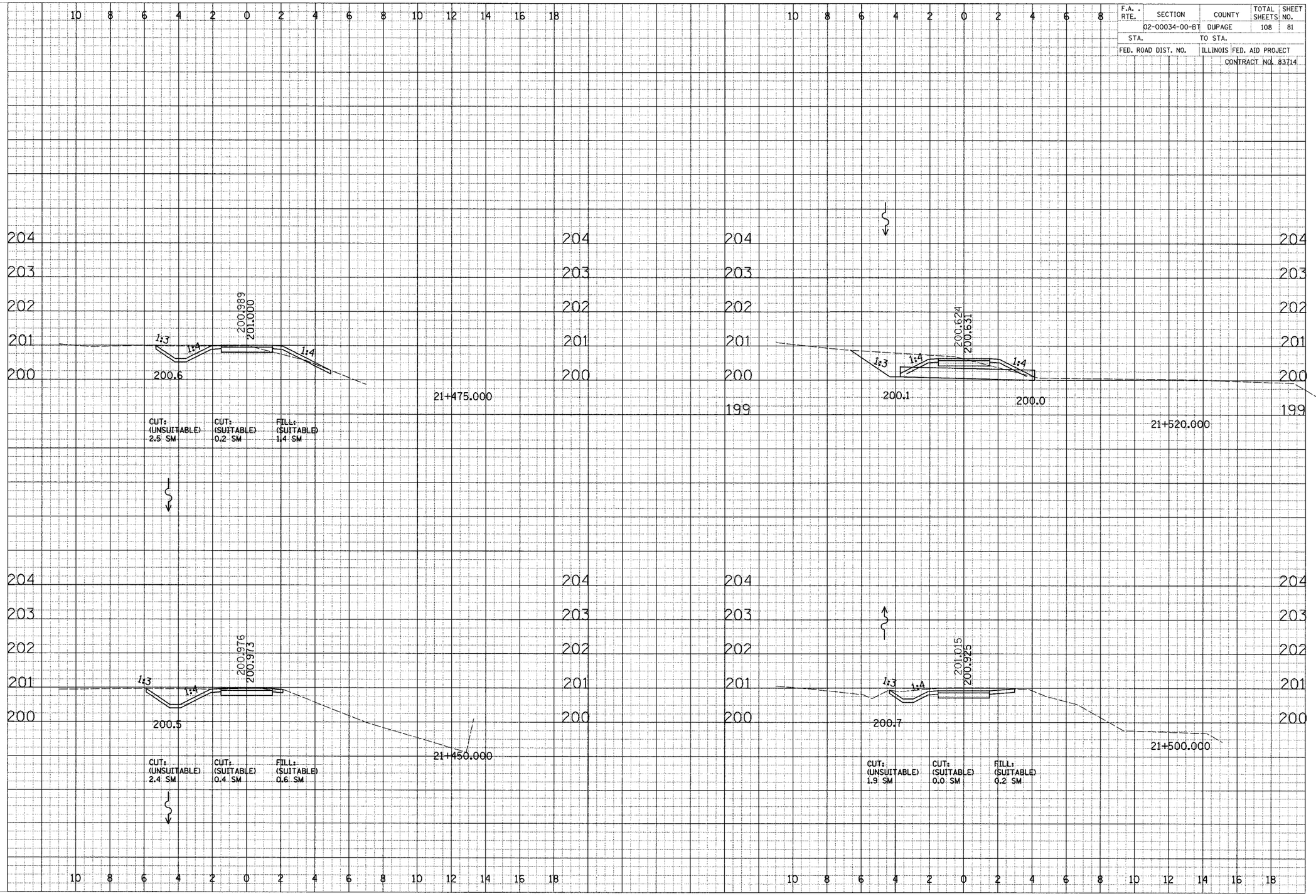
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	80
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		



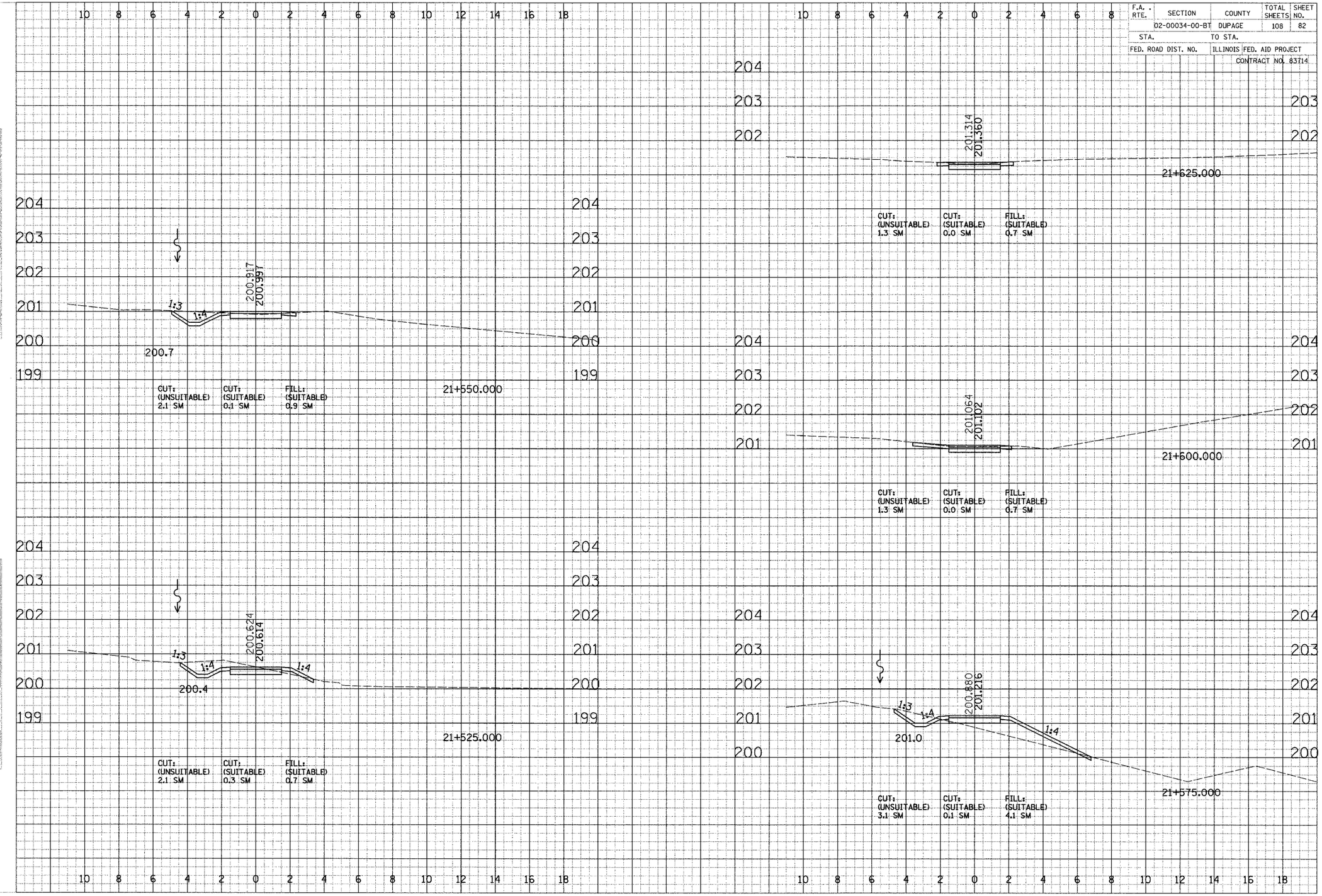
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	81
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		



CROSS SECTIONS - SOUTH DUPAGE

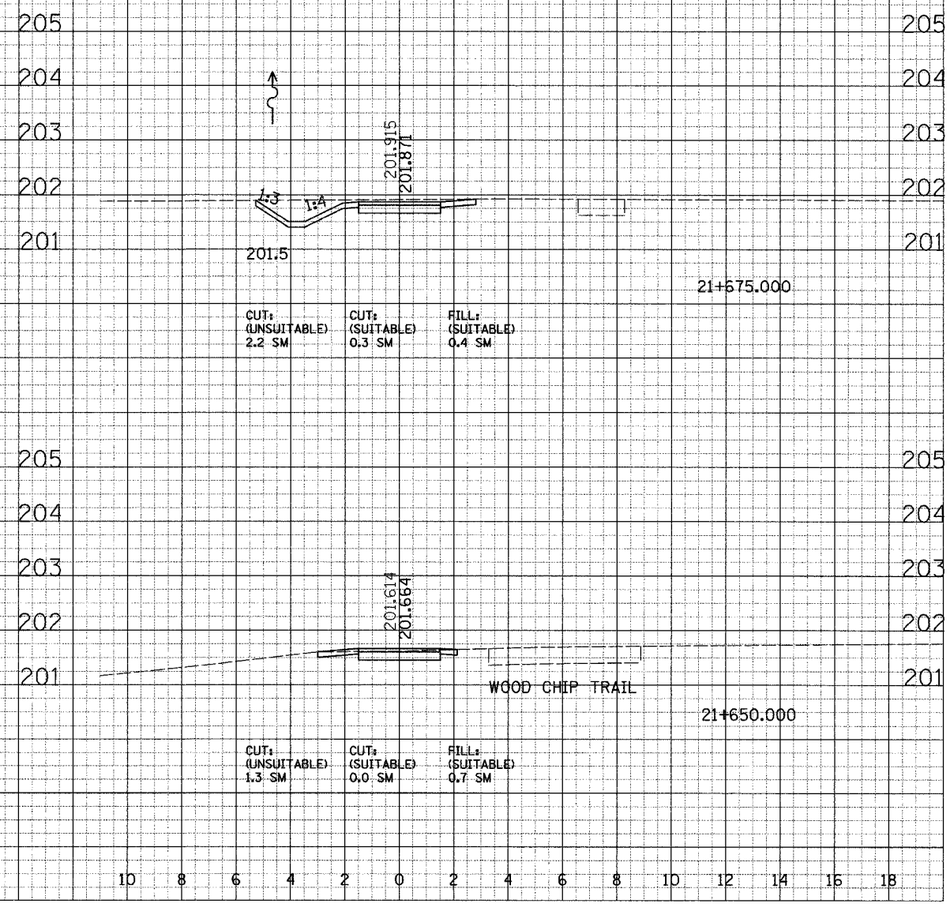
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	82
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 83714		



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	83
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

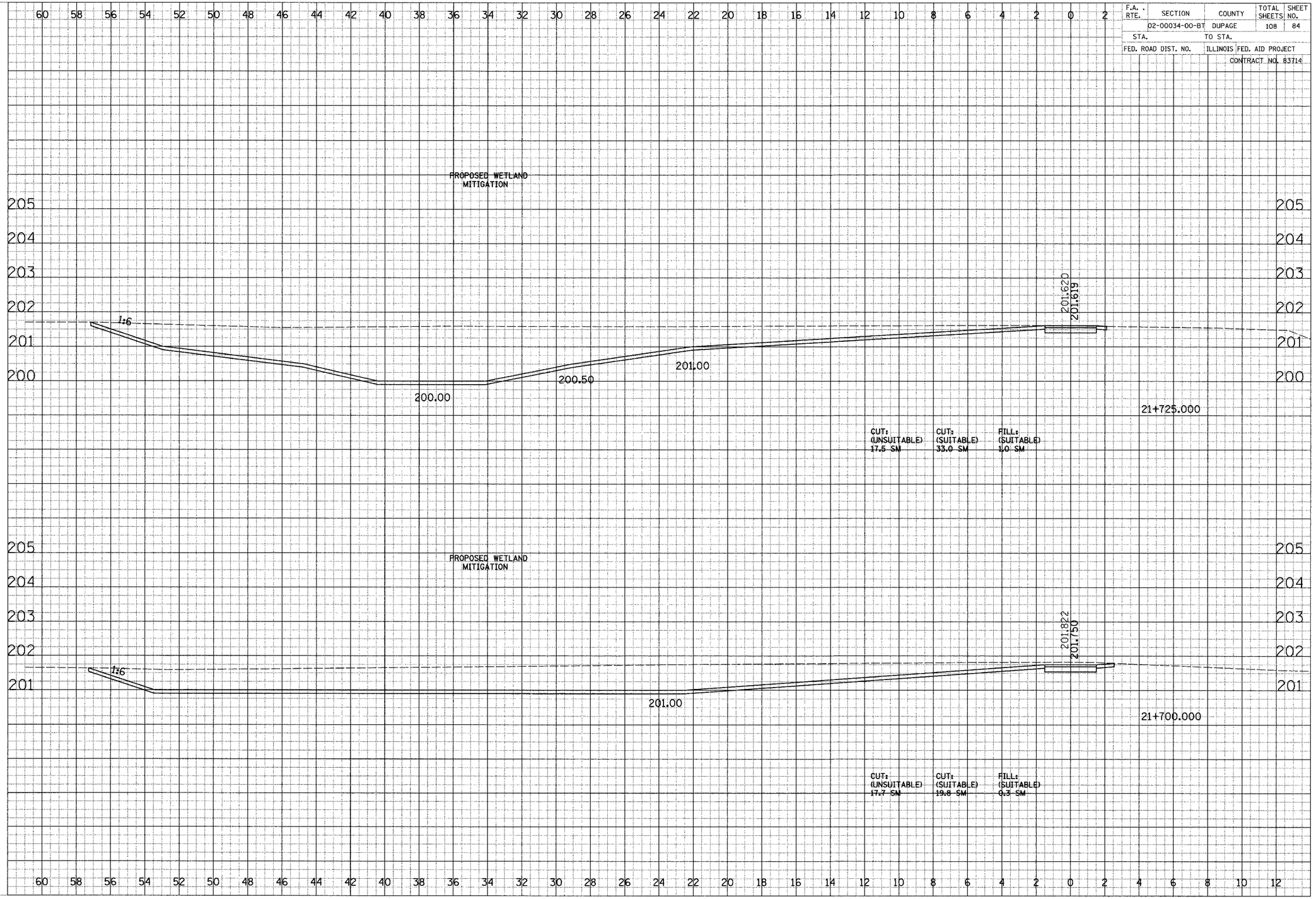
DESIGN SECTION	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	84
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

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



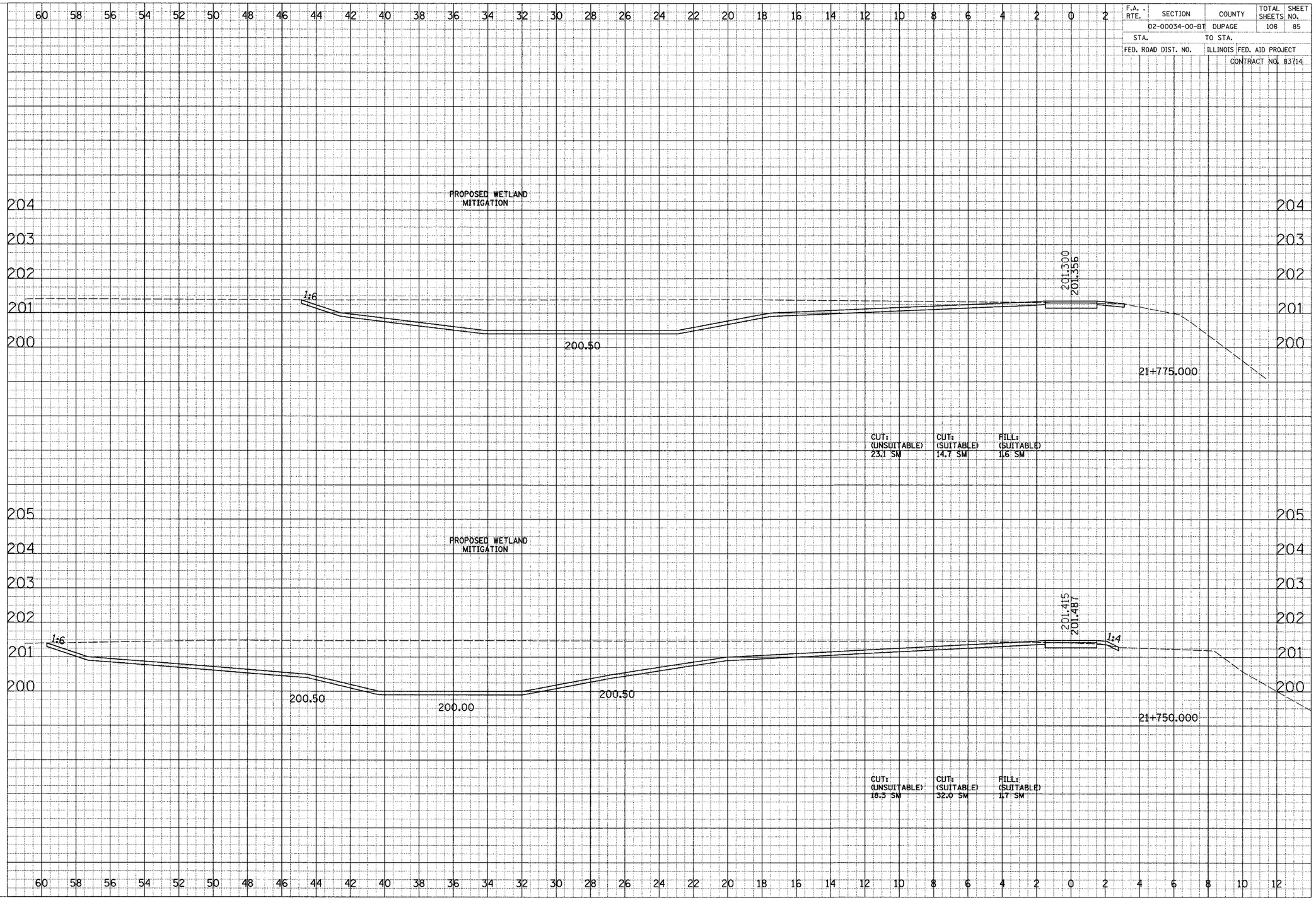
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	85
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	

FINAL SURVEY

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
AREAS CHECKED	

NO.



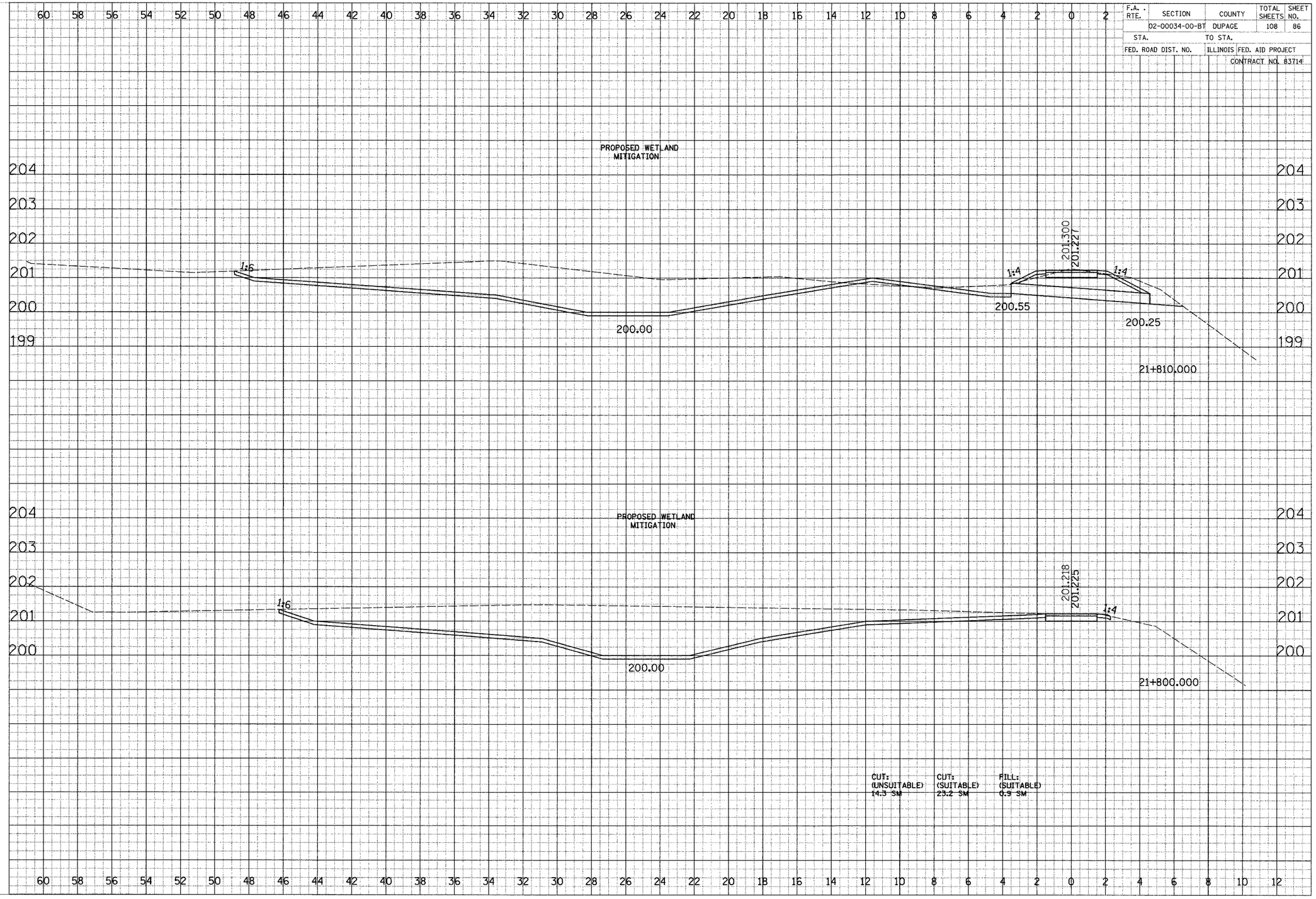
ORIGINAL SURVEY

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
AREAS CHECKED	

NO.

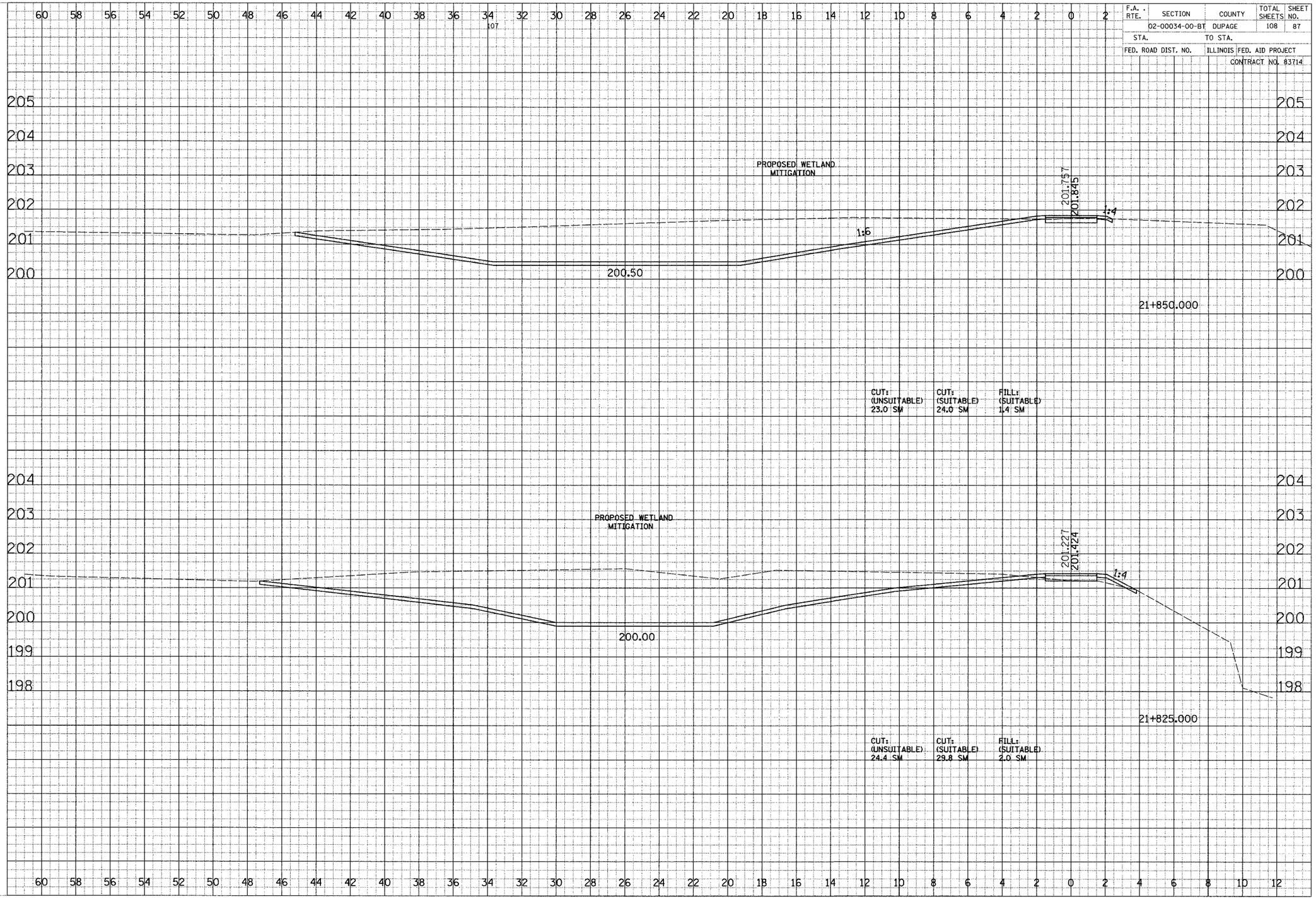
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	86
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83T14		



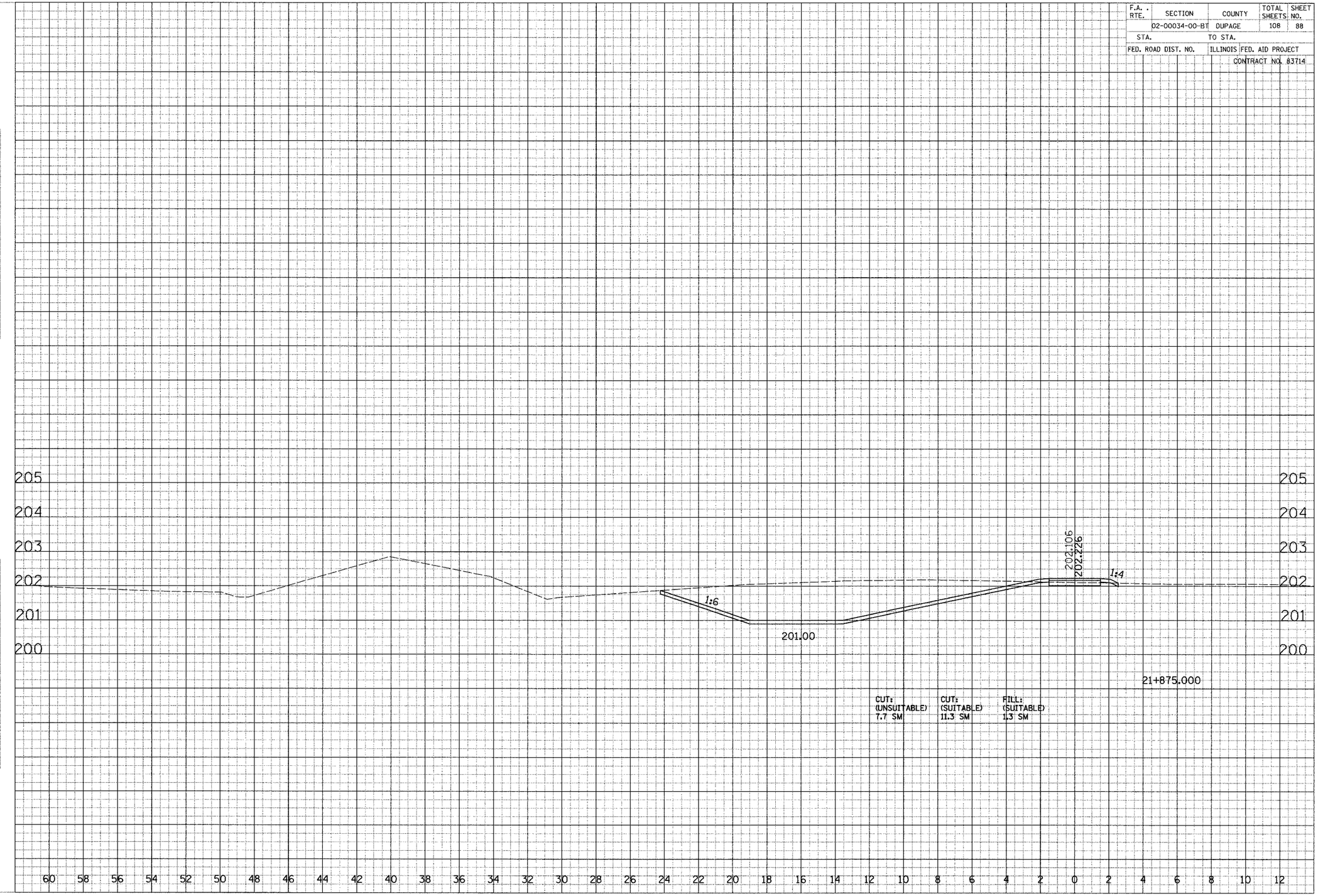
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	87
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	88
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

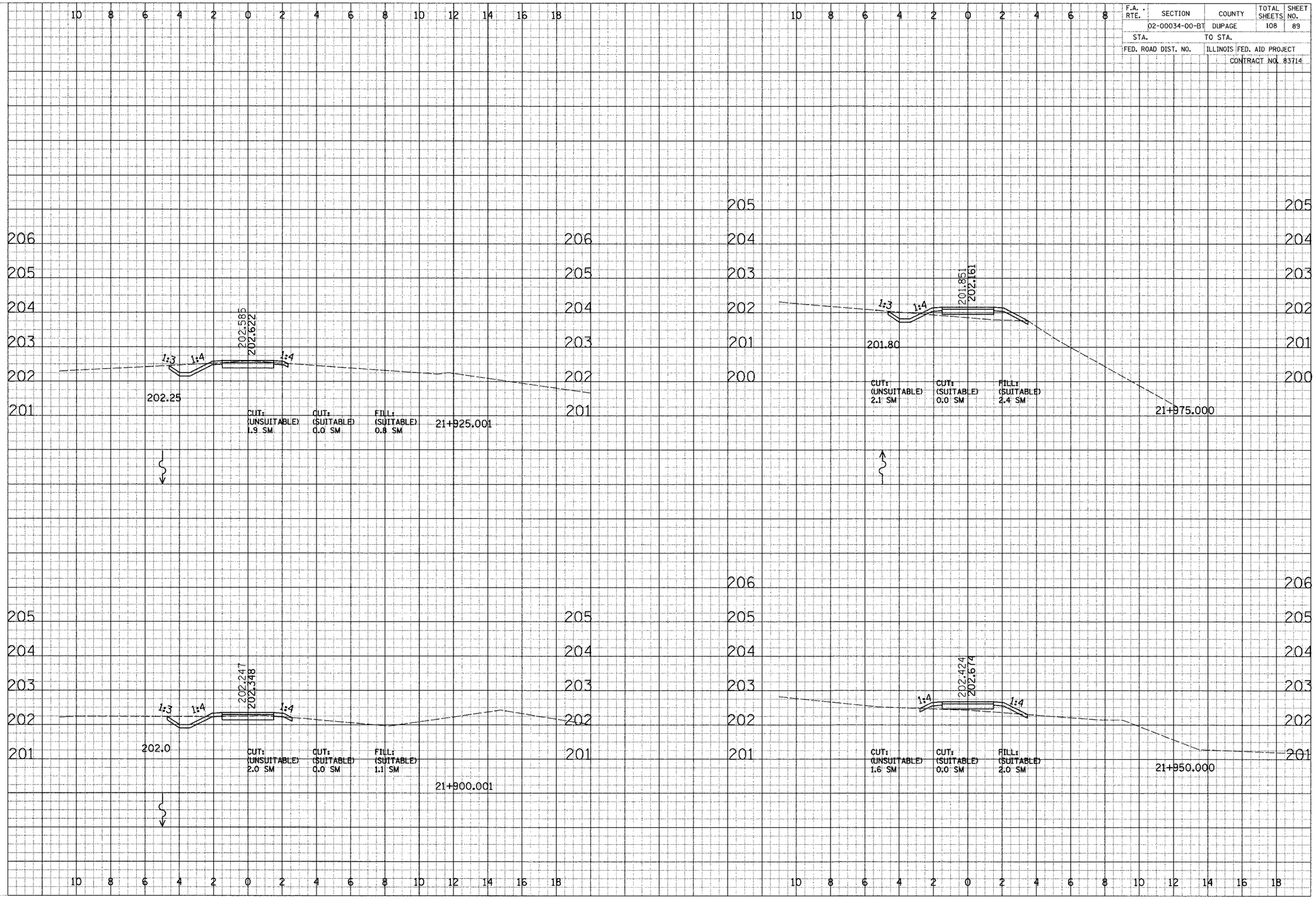


CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	89
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

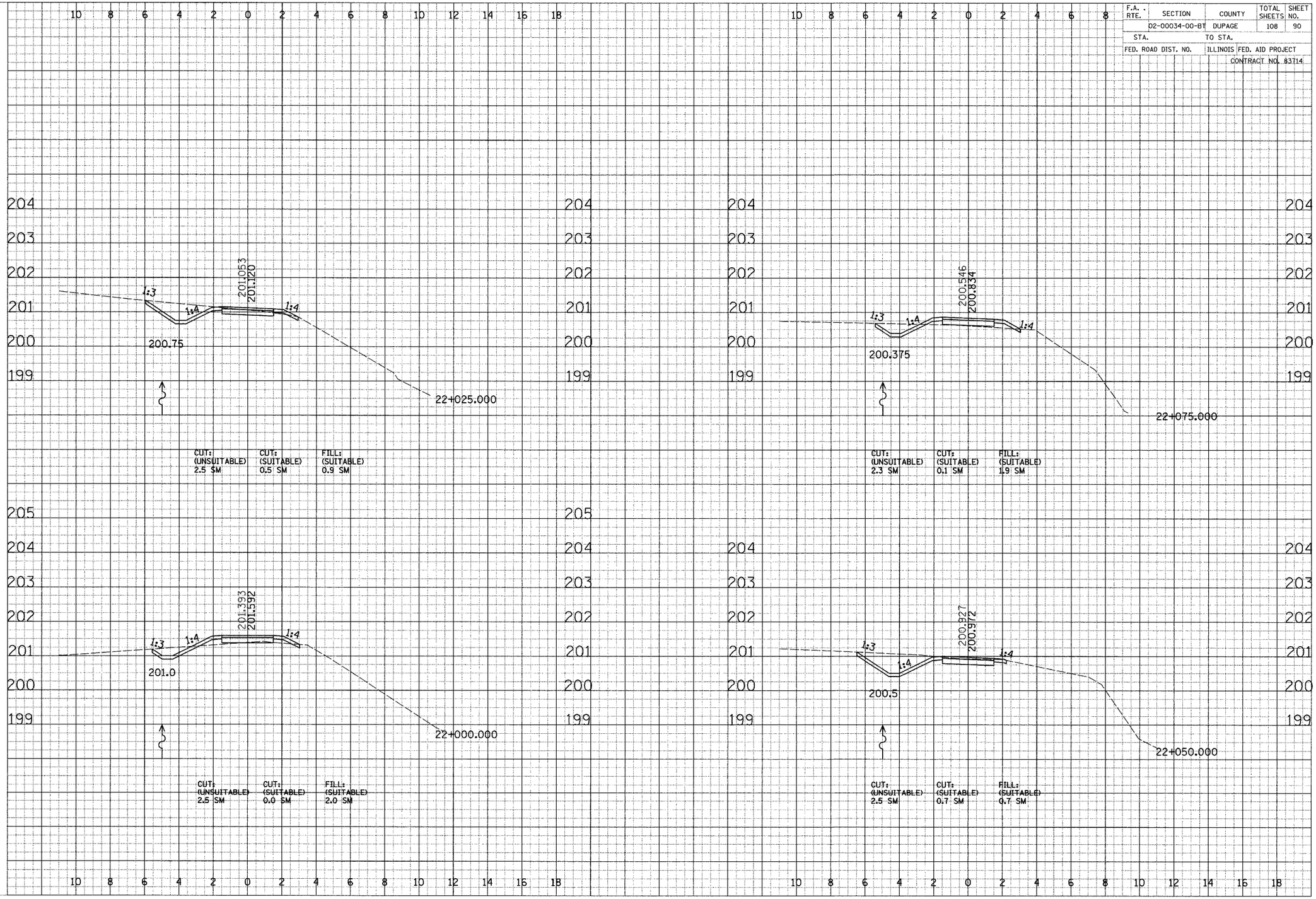
FINAL SURVEY NOTE BOOK

DATE	BY	
		SURVEYED
		PLOTTED
		CHECKED
		AREAS
		AREAS CHECKED



CROSS SECTIONS - SOUTH DUPAGE

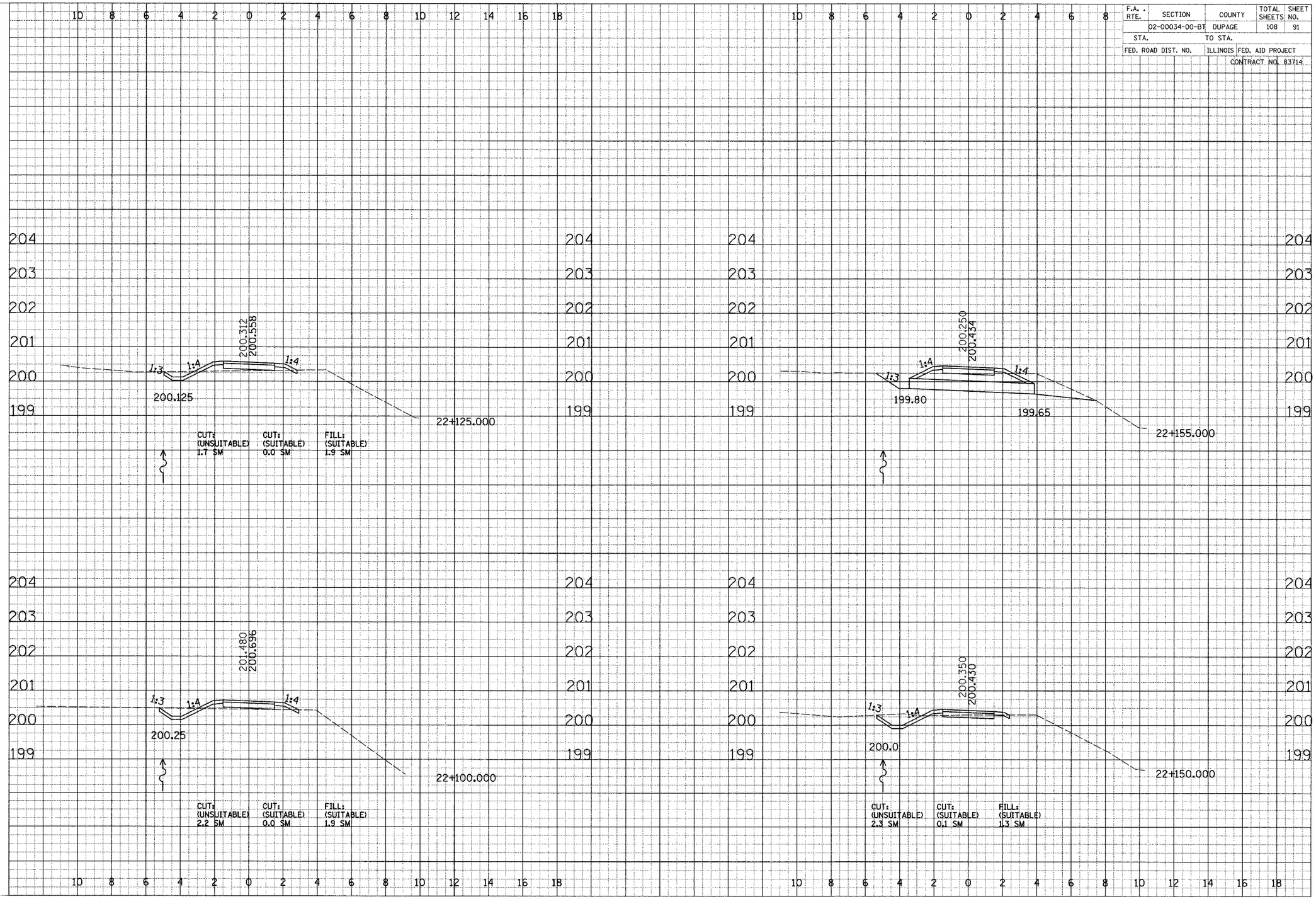
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	90
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	91
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	

FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / AREAS / AREAS CHECKED / VOL. / BY / DATE

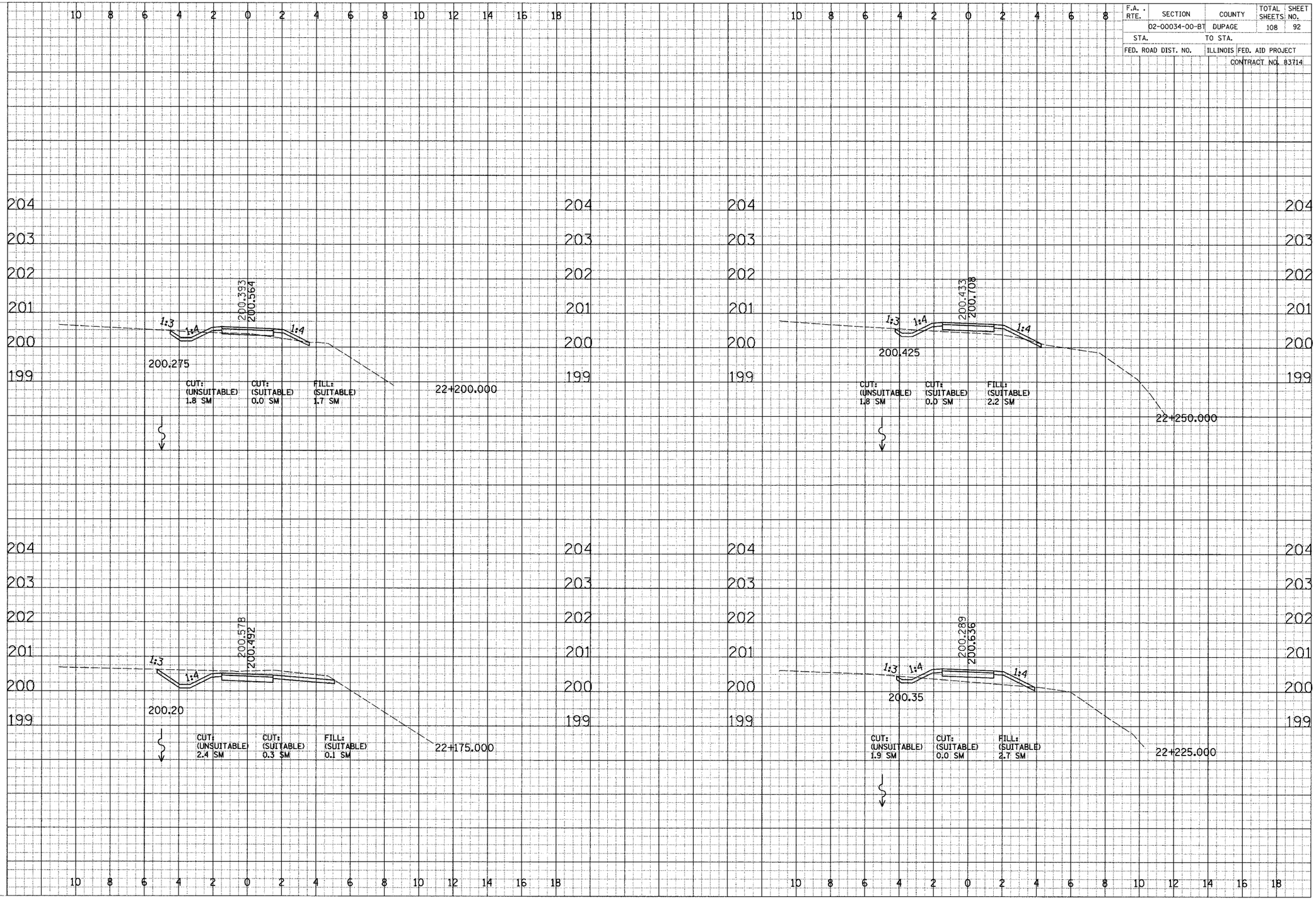


CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	92
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

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

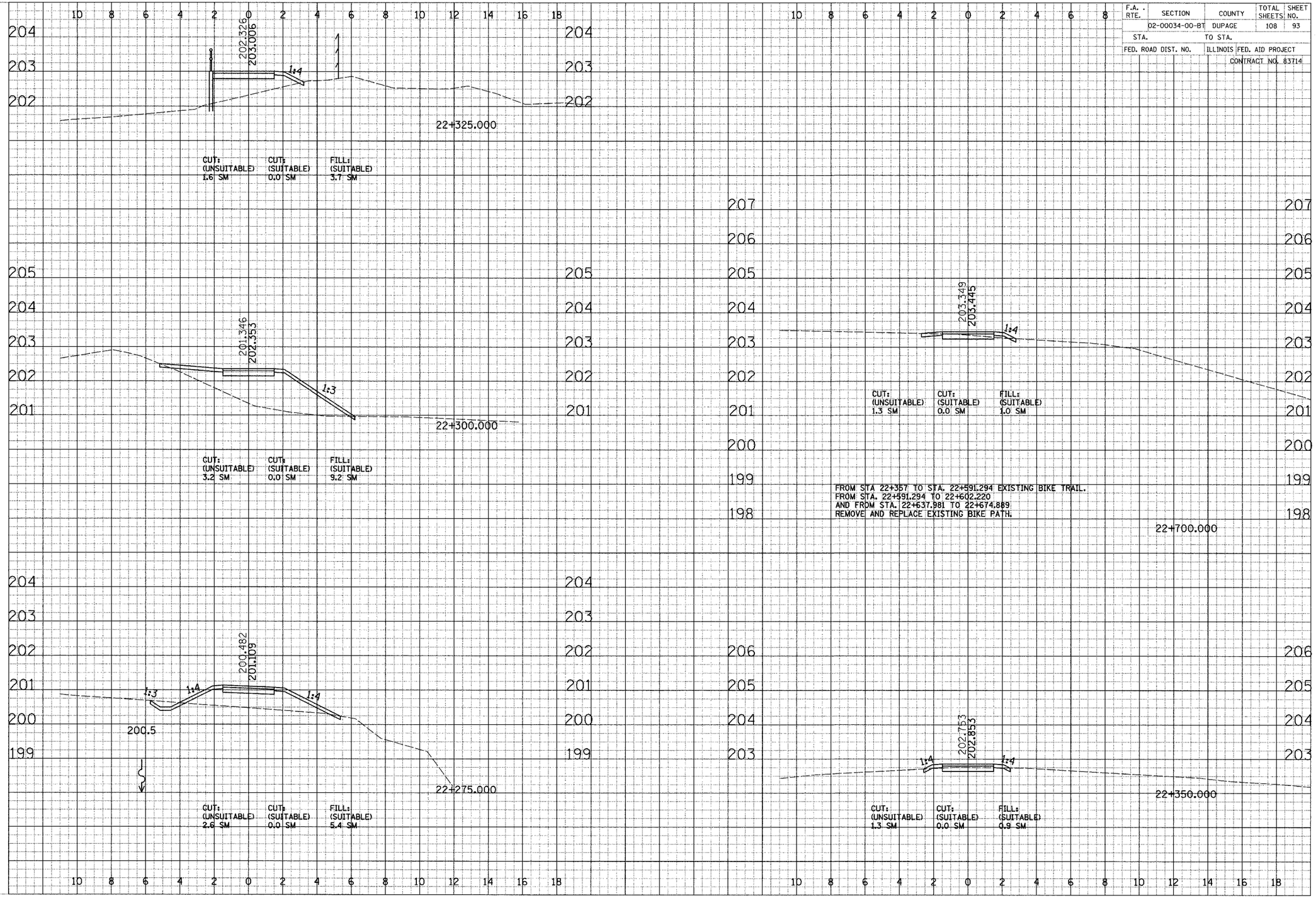
ORIGINAL SURVEY
NOTE BOOK
NO.
BY
DATE
SURVEYED
PLOTTED
FIELD BOOK
AREAS
AREAS CHECKED



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	93
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	

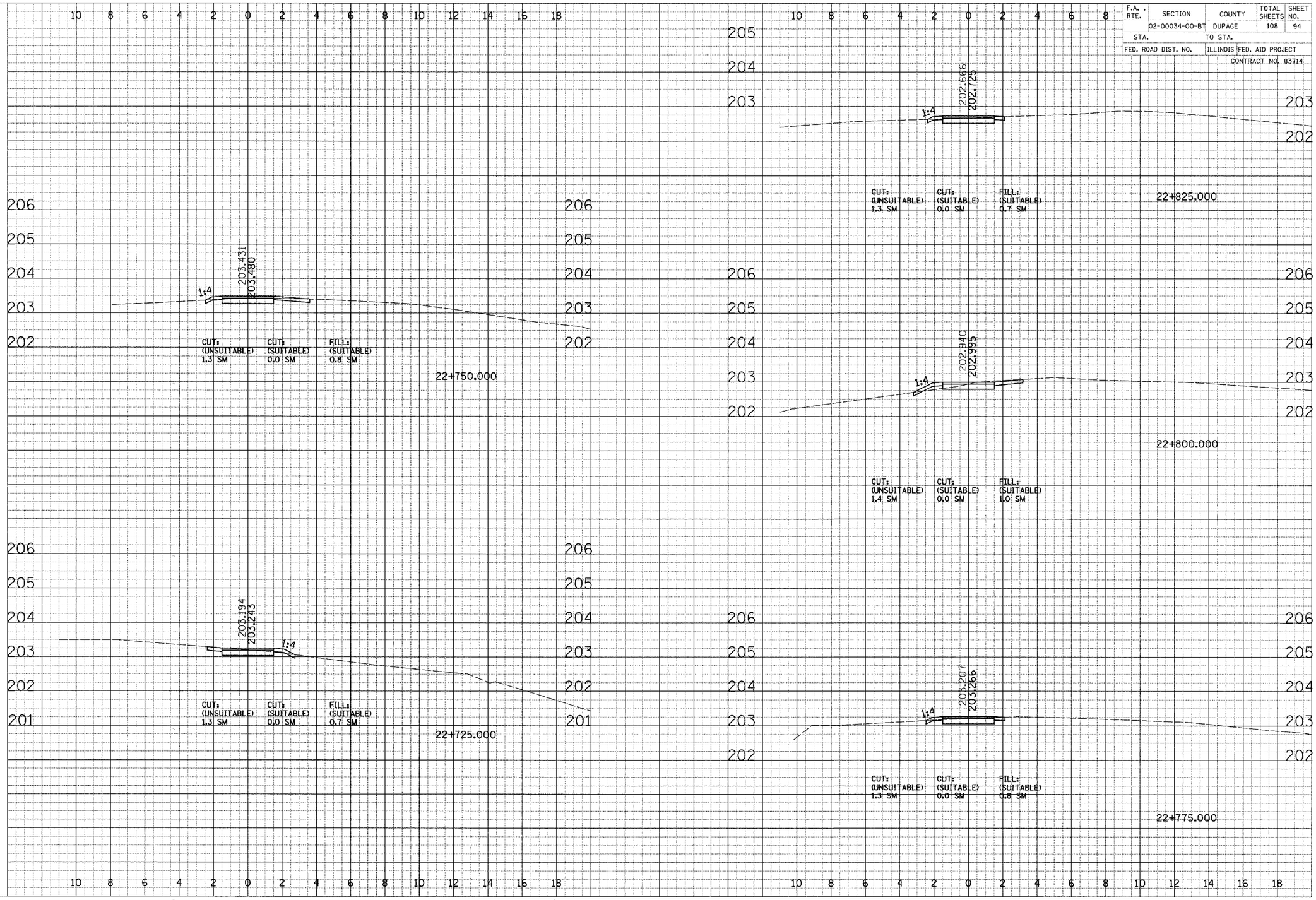
FINAL SURVEY NOTE BOOK
ORIGINAL SURVEY NOTE BOOK
NO. BY DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED



CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	94
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

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

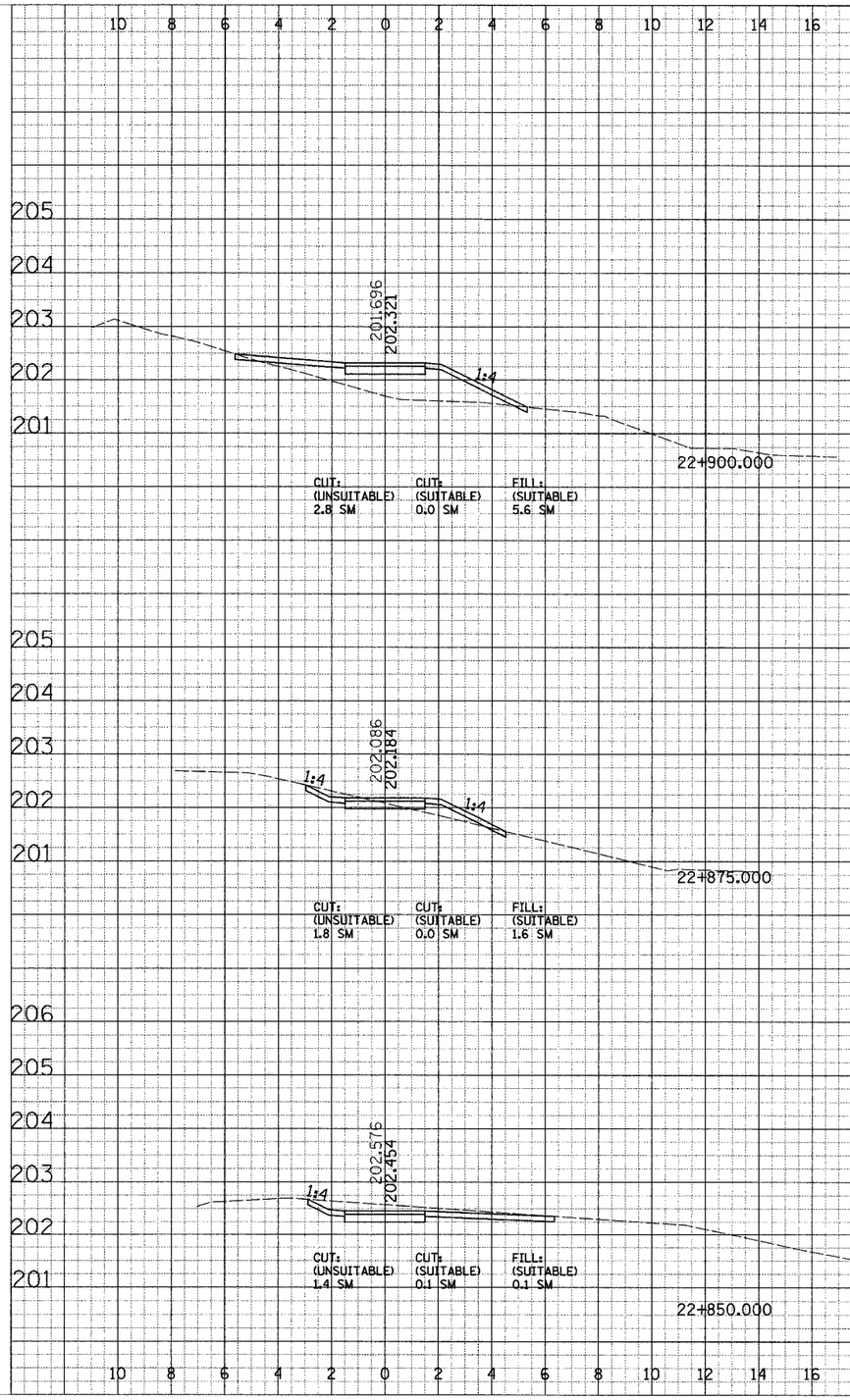


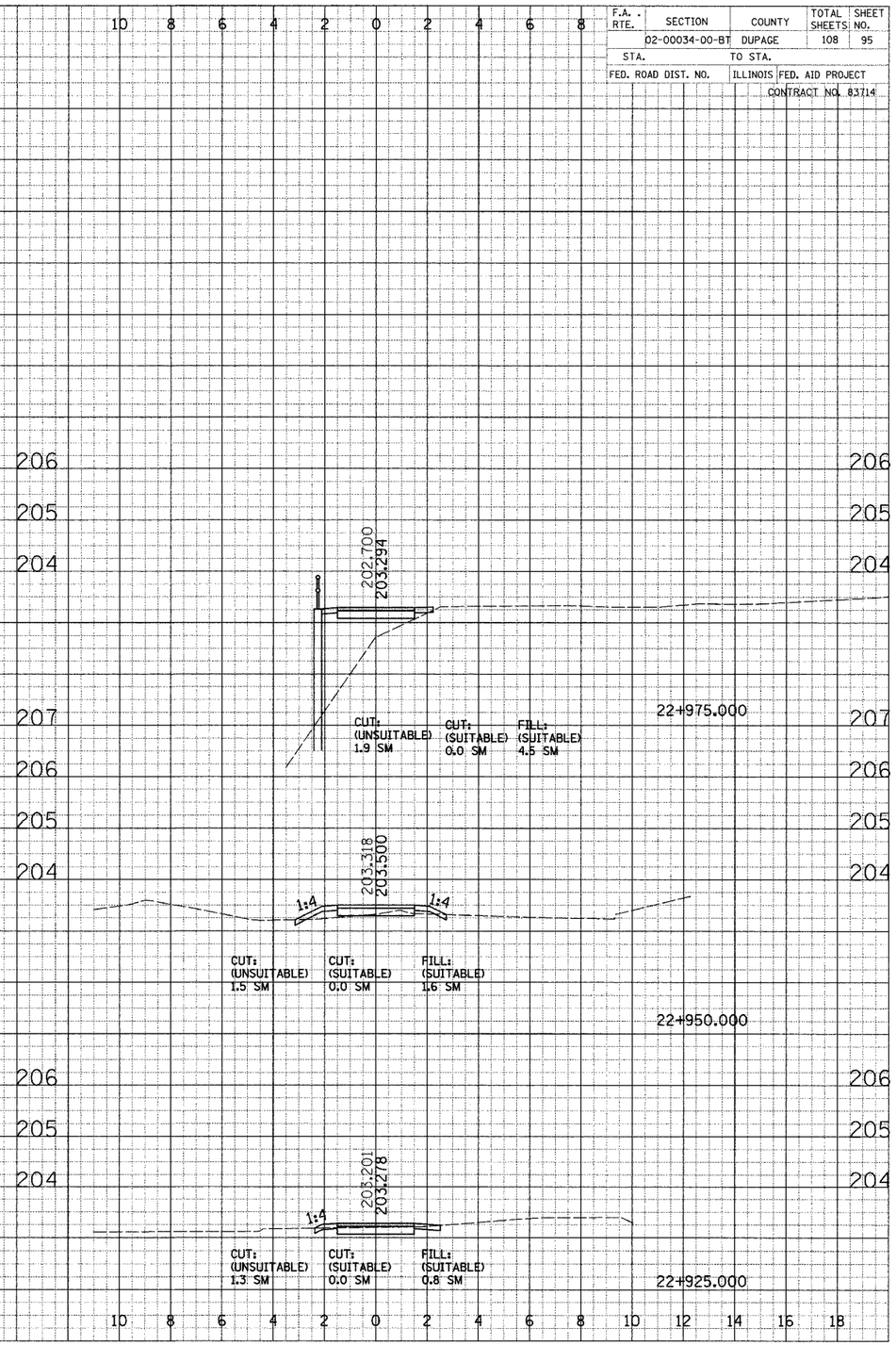
CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	95
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TOPS/BTF
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TOPS/BTF
AREAS
AREAS CHECKED
BY
DATE





CROSS SECTIONS - SOUTH DUPAGE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	96
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

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

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

℄ BIKE PATH

201.398
201.166

CUT: (UNSUITABLE) 0.8 SM
CUT: (SUITABLE) 0.3 SM
FILL: (SUITABLE) 0.1 SM

23+225.000

℄ BIKE PATH

199.932
199.000

CUT: (UNSUITABLE) 2.0 SM
CUT: (SUITABLE) 3.5 SM
FILL: (SUITABLE) 0.0 SM

23+275.000

BEGIN CONSTRUCTION
STA. 23+200.000

201.078
201.078

CUT: (UNSUITABLE) 1.3 SM
CUT: (SUITABLE) 0.0 SM
FILL: (SUITABLE) 0.5 SM

23+200.000

200.460
200.250

CUT: (UNSUITABLE) 1.0 SM
CUT: (SUITABLE) 2.2 SM
FILL: (SUITABLE) 0.0 SM

23+250.000

CROSS SECTIONS - OAKBROOK

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	97
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 83714		

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

℄ BIKE PATH

201.13 BOTTOM OF SUB-STRUCTURE ROOSEVELT RD.

198.370
198.500

CUT: (UNSUITABLE) 0.0 SM
CUT: (SUITABLE) 1.2 SM
FILL: (SUITABLE) 0.8 SM

23+325.000

℄ BIKE PATH

PROP. CATCH BASIN

198.663
198.500

EXIST. INV. 199.300

PROP. INV. 197.800

PROP. 450 mm RCCP

23+359.425

201.10 BOTTOM OF SUB-STRUCTURE N. FRONTAGE RD.

198.384
198.500

CUT: (UNSUITABLE) 1.3 SM
CUT: (SUITABLE) 0.0 SM
FILL: (SUITABLE) 0.9 SM

23+300.000

201.19 BOTTOM OF SUB-STRUCTURE ROOSEVELT RD.

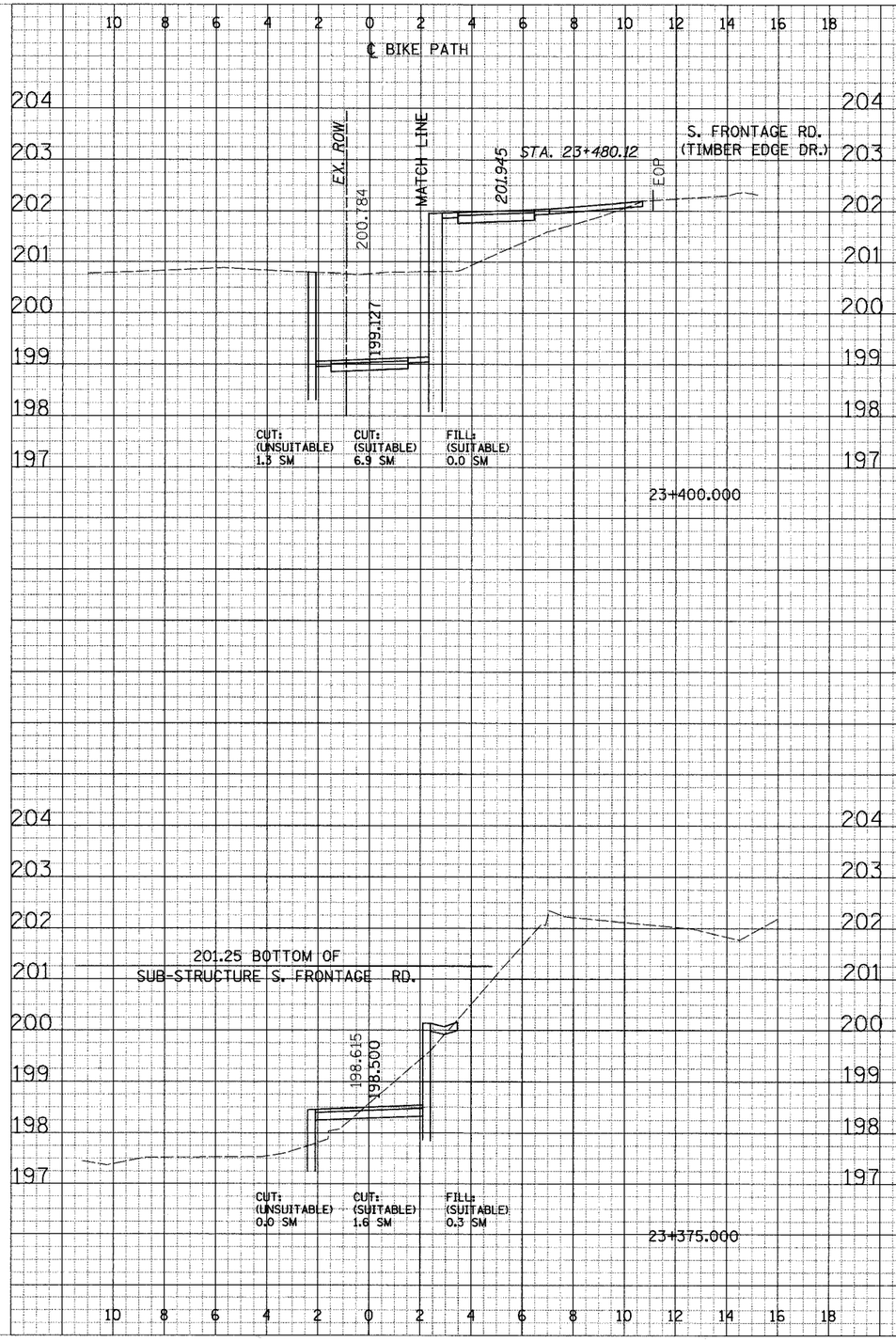
198.442
198.500

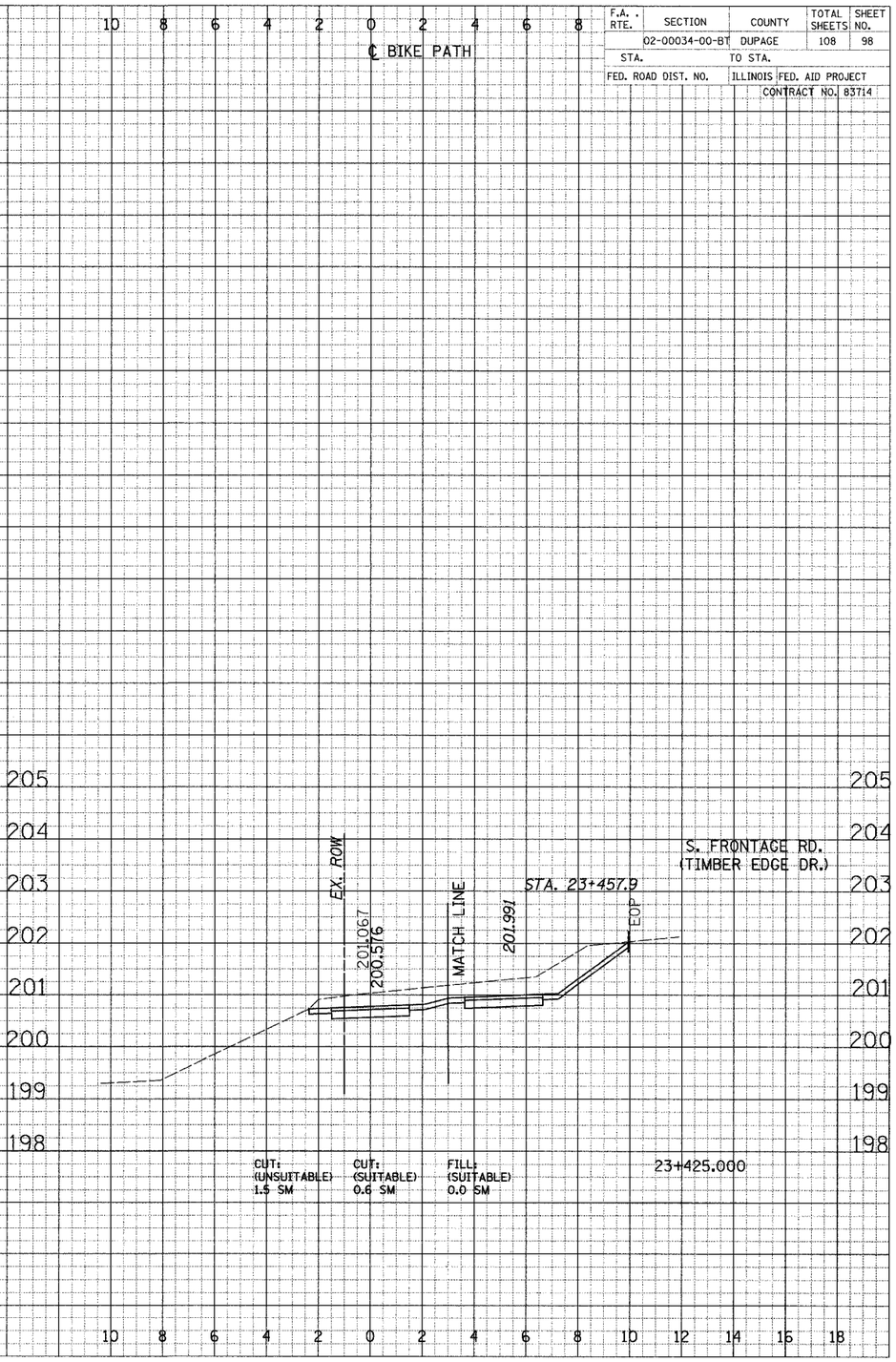
CUT: (UNSUITABLE) 0.0 SM
CUT: (SUITABLE) 1.1 SM
FILL: (SUITABLE) 0.3 SM

23+350.000

CROSS SECTIONS - OAKBROOK

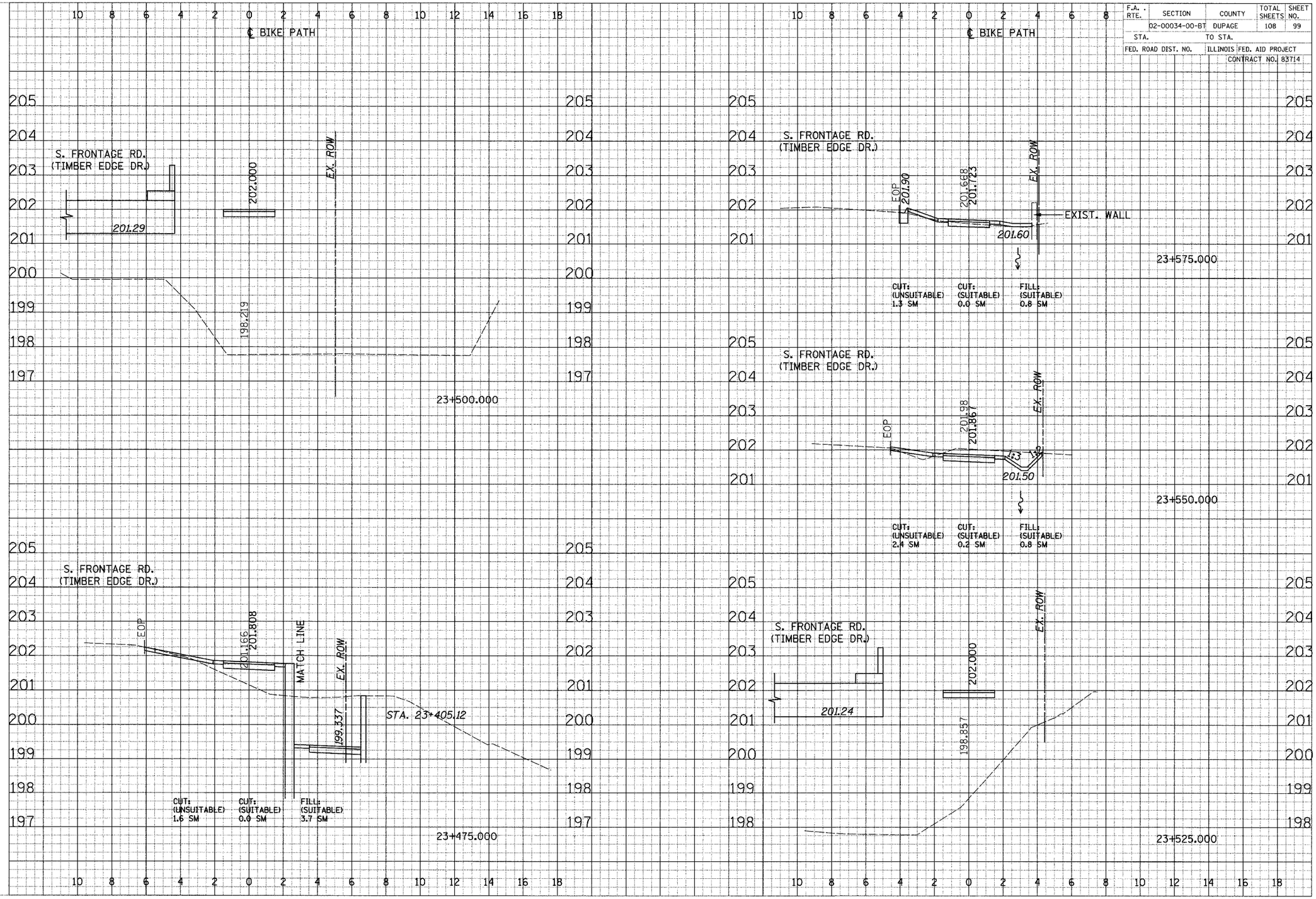
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	98
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	





CROSS SECTIONS - OAKBROOK

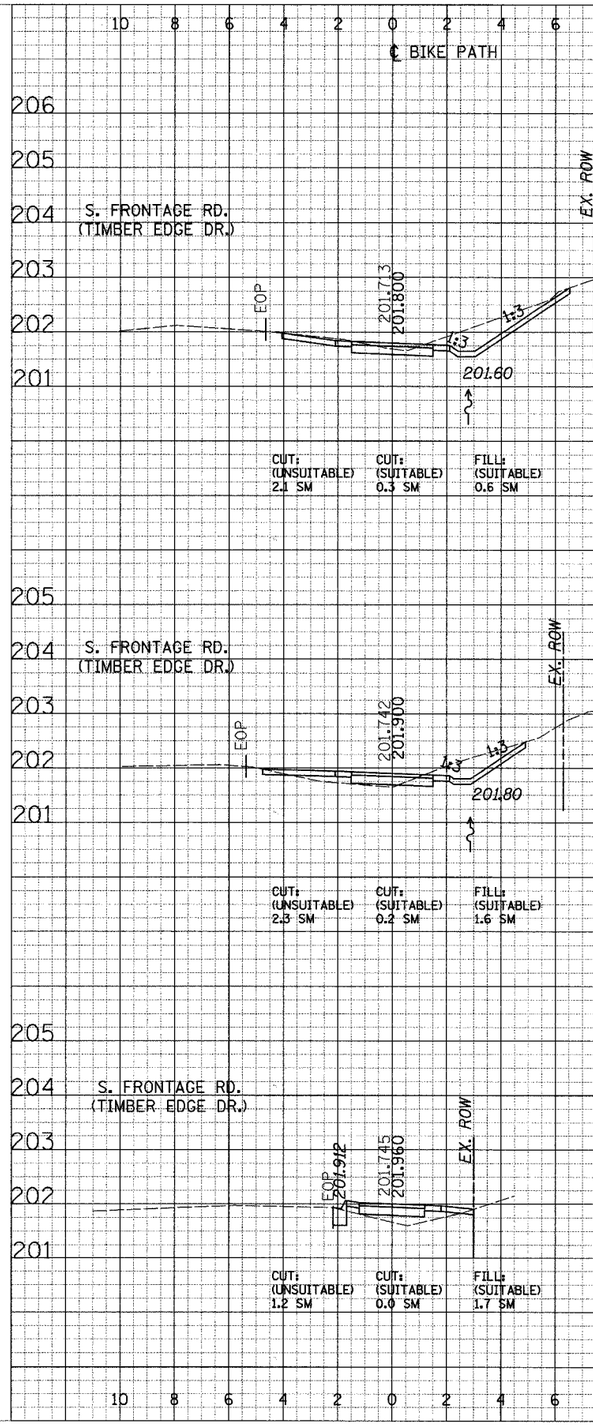
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	99
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		



CROSS SECTIONS - OAKBROOK

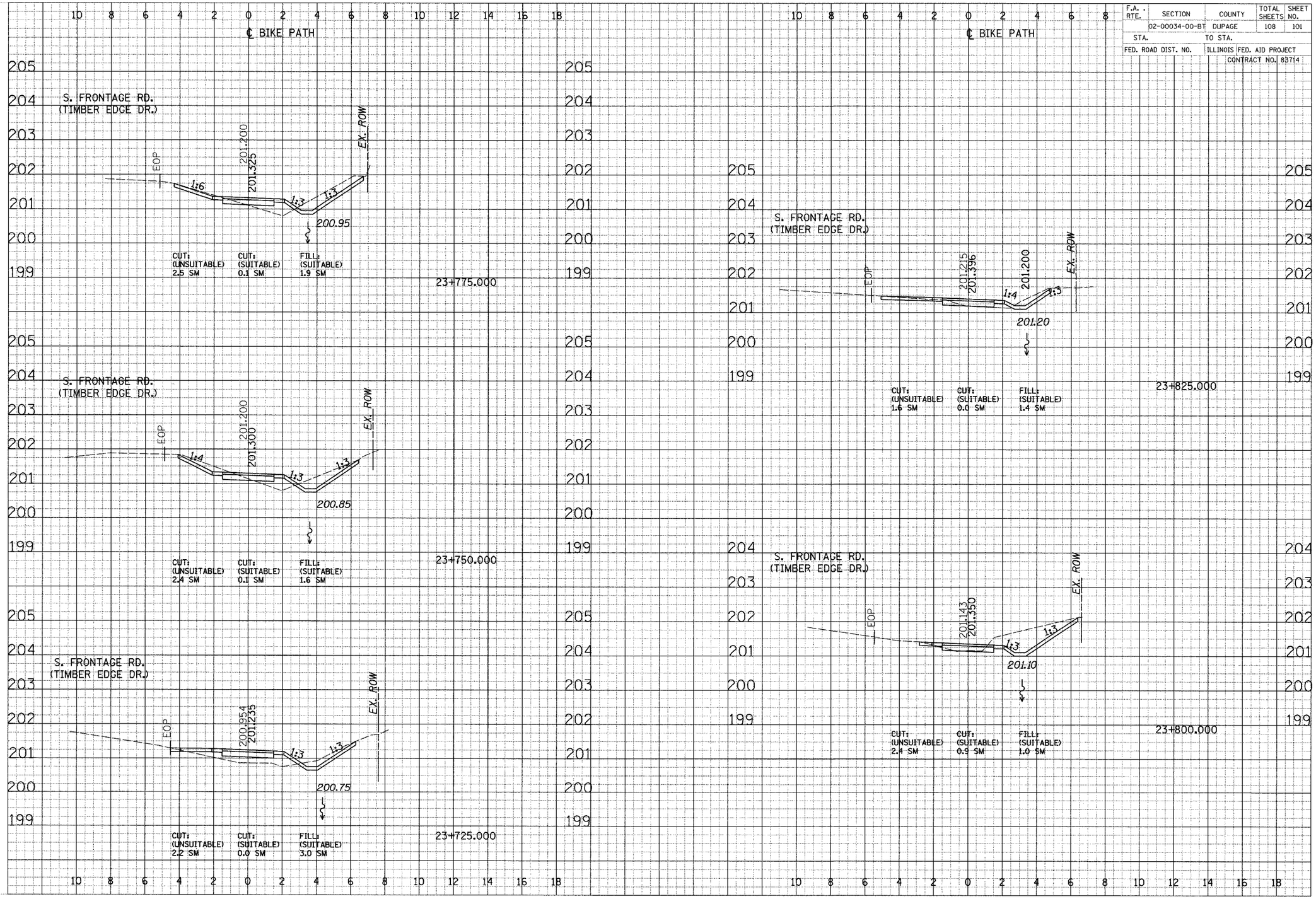
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	100
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

ORIGINAL SURVEY / FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / AREAS CHECKED — BY / DATE / NO.



CROSS SECTIONS - OAKBROOK

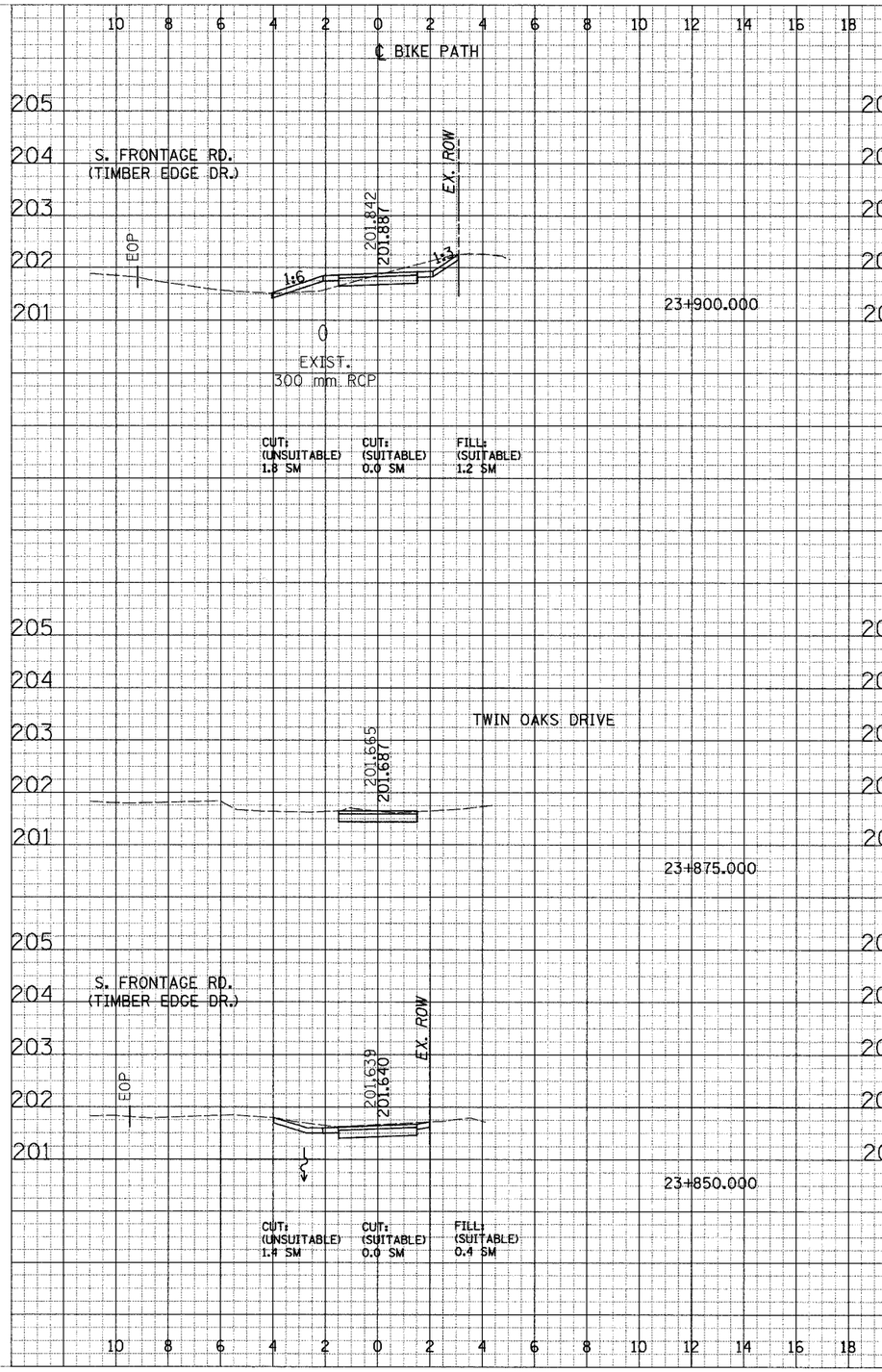
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	101
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		



CROSS SECTIONS - OAKBROOK

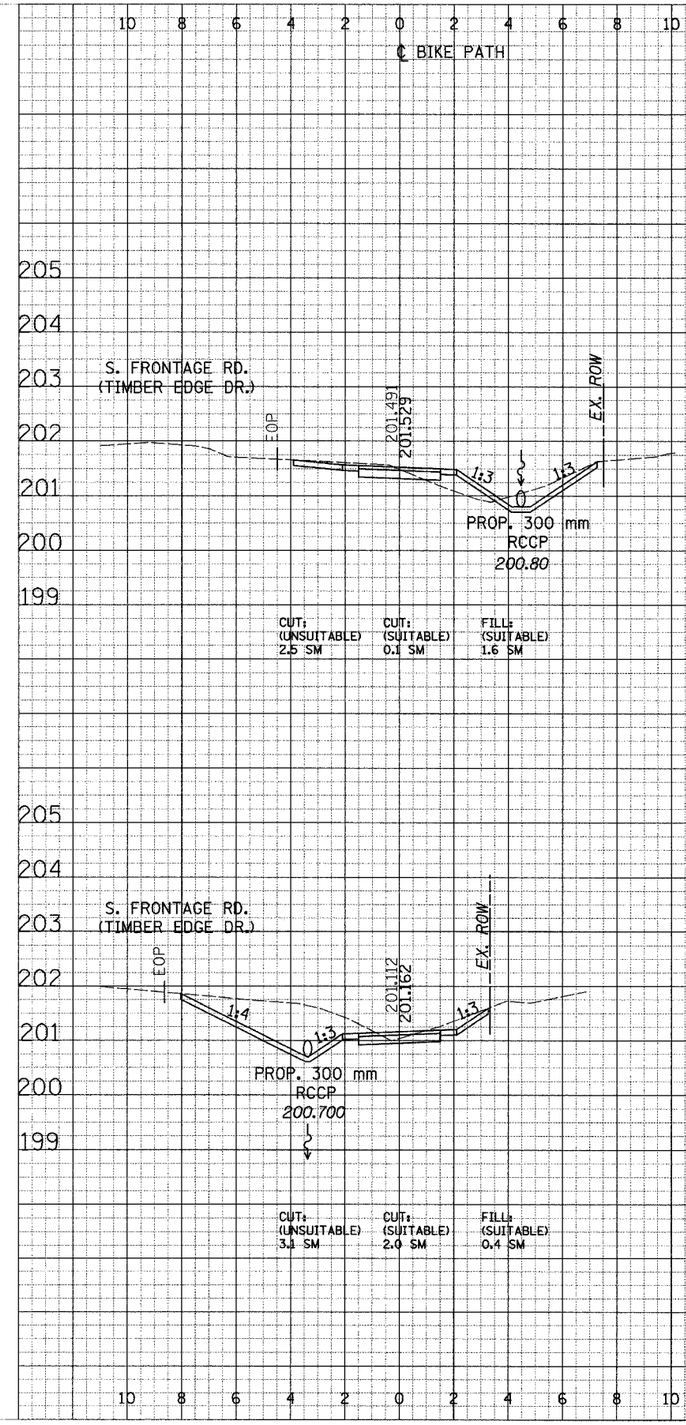
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	102
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	

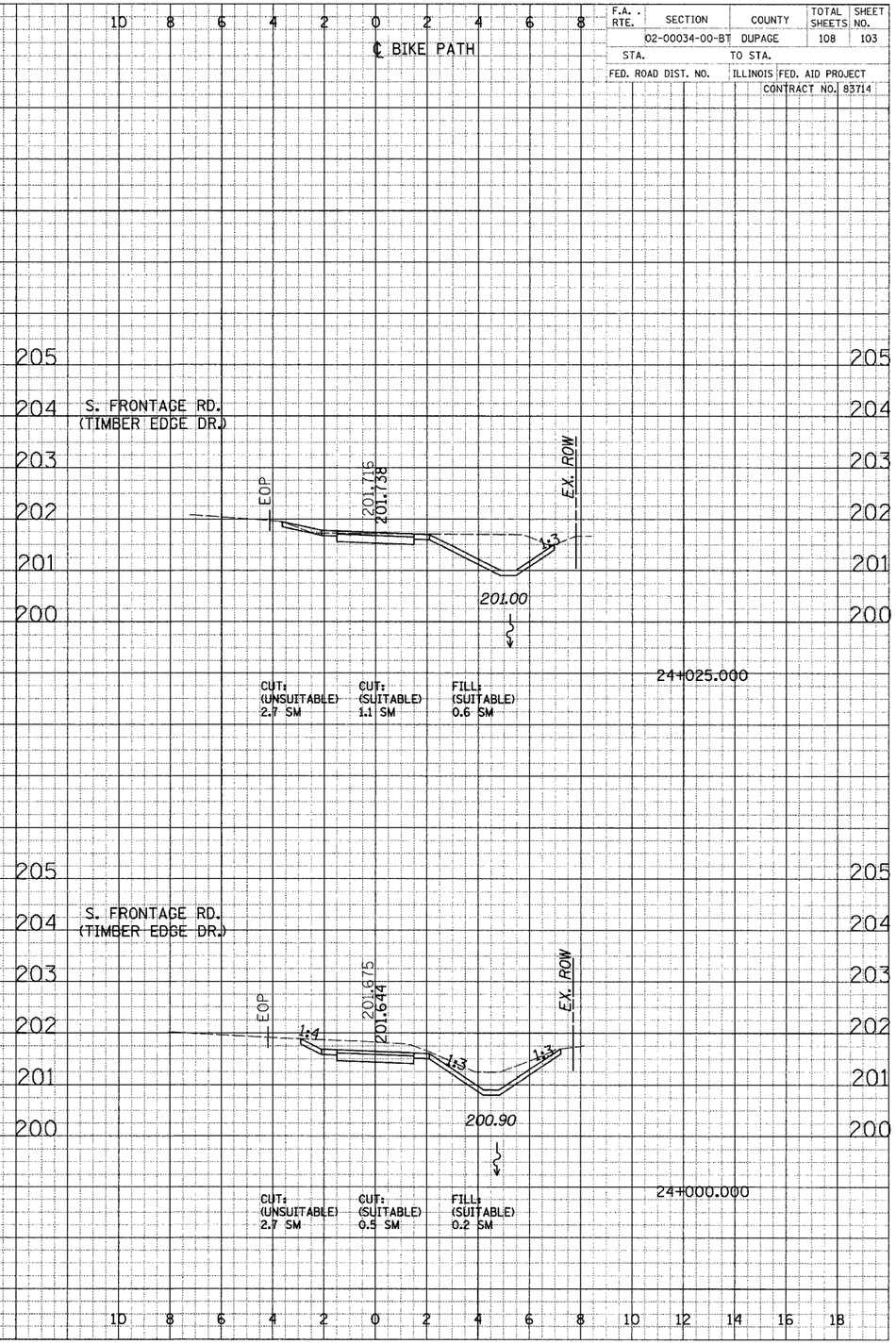
ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
AREAS
VOLUMES
CHECKED
BY
DATE
NO.



CROSS SECTIONS - OAKBROOK

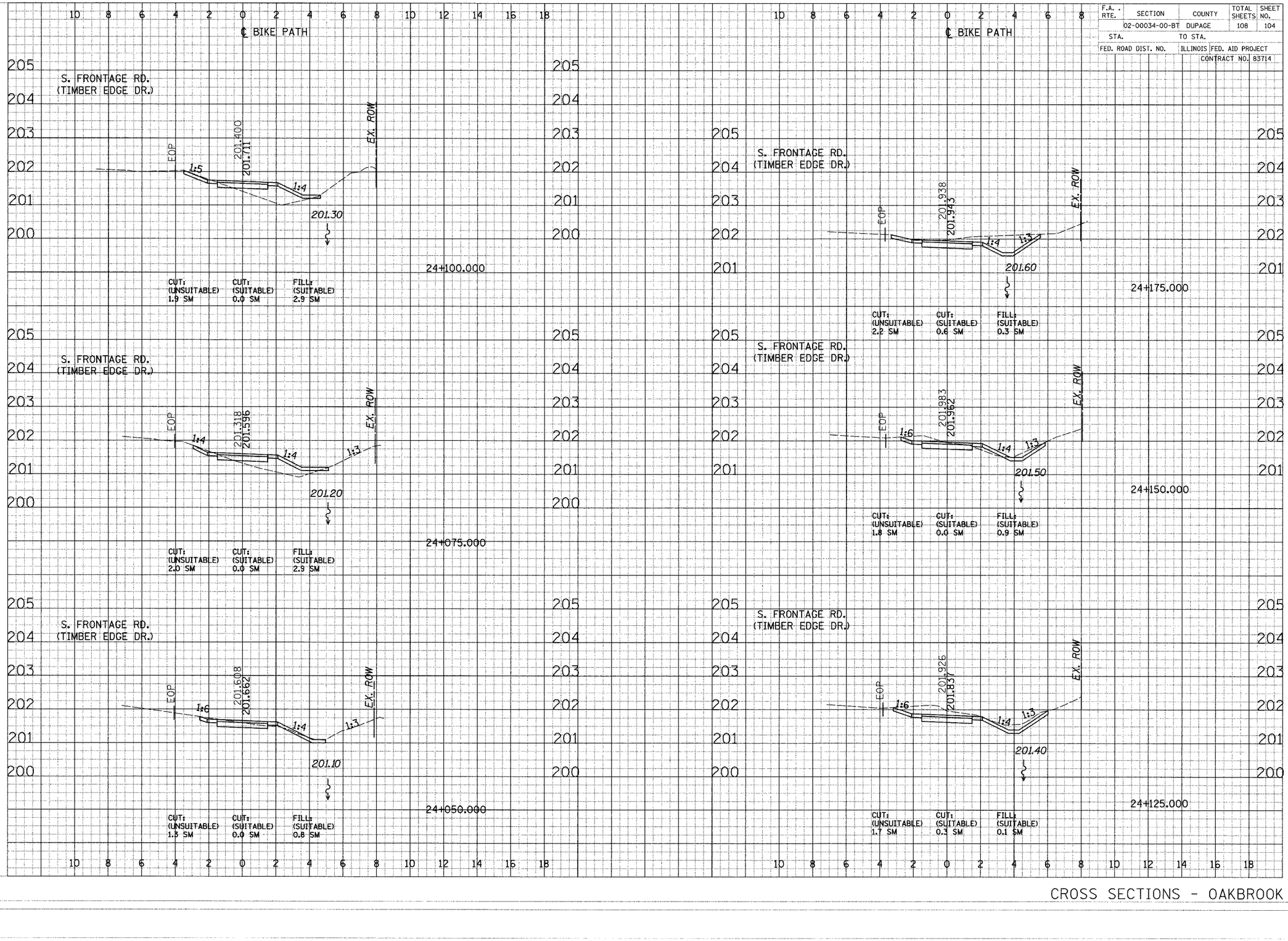
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	103
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	





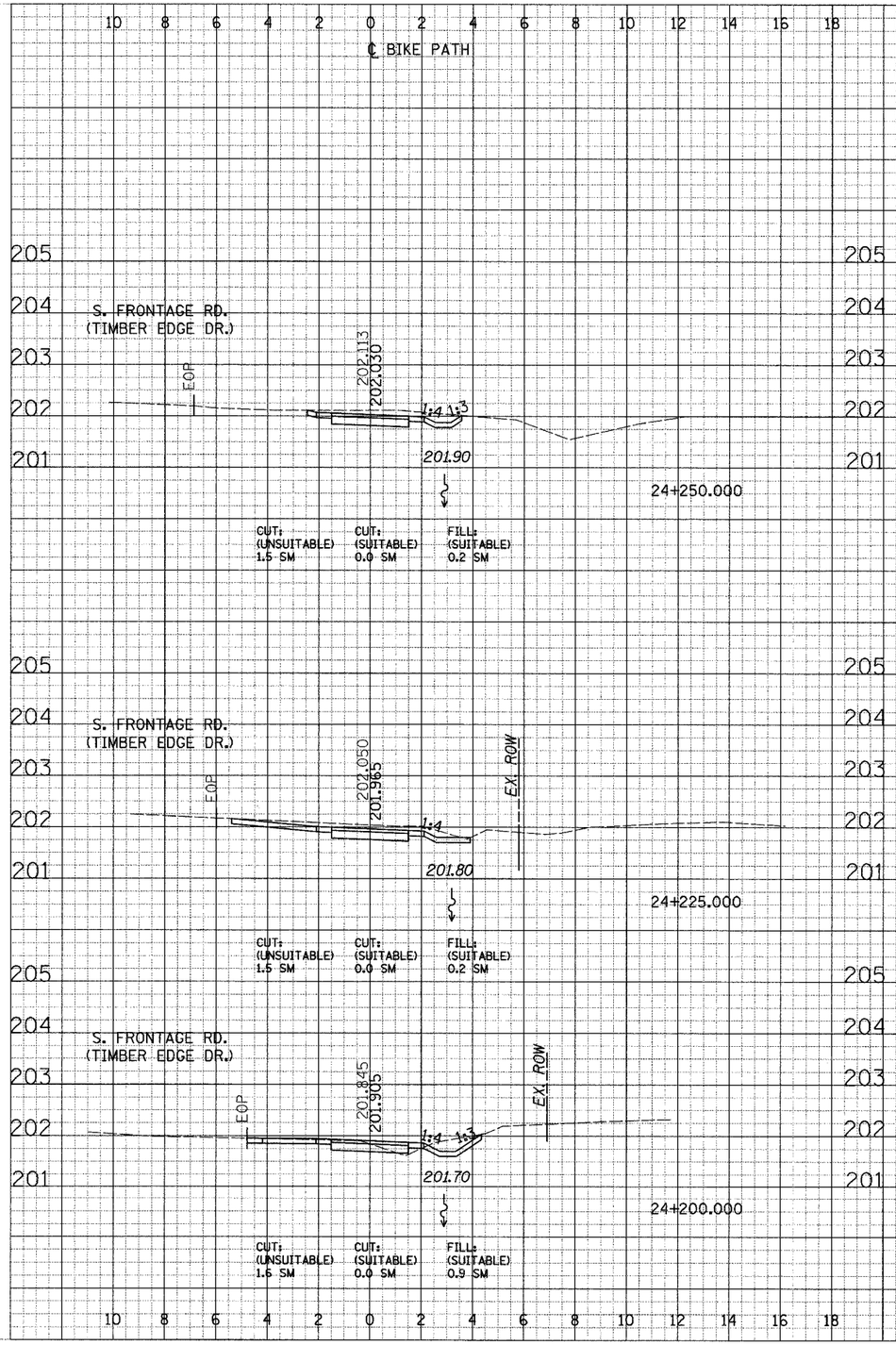
CROSS SECTIONS - OAKBROOK

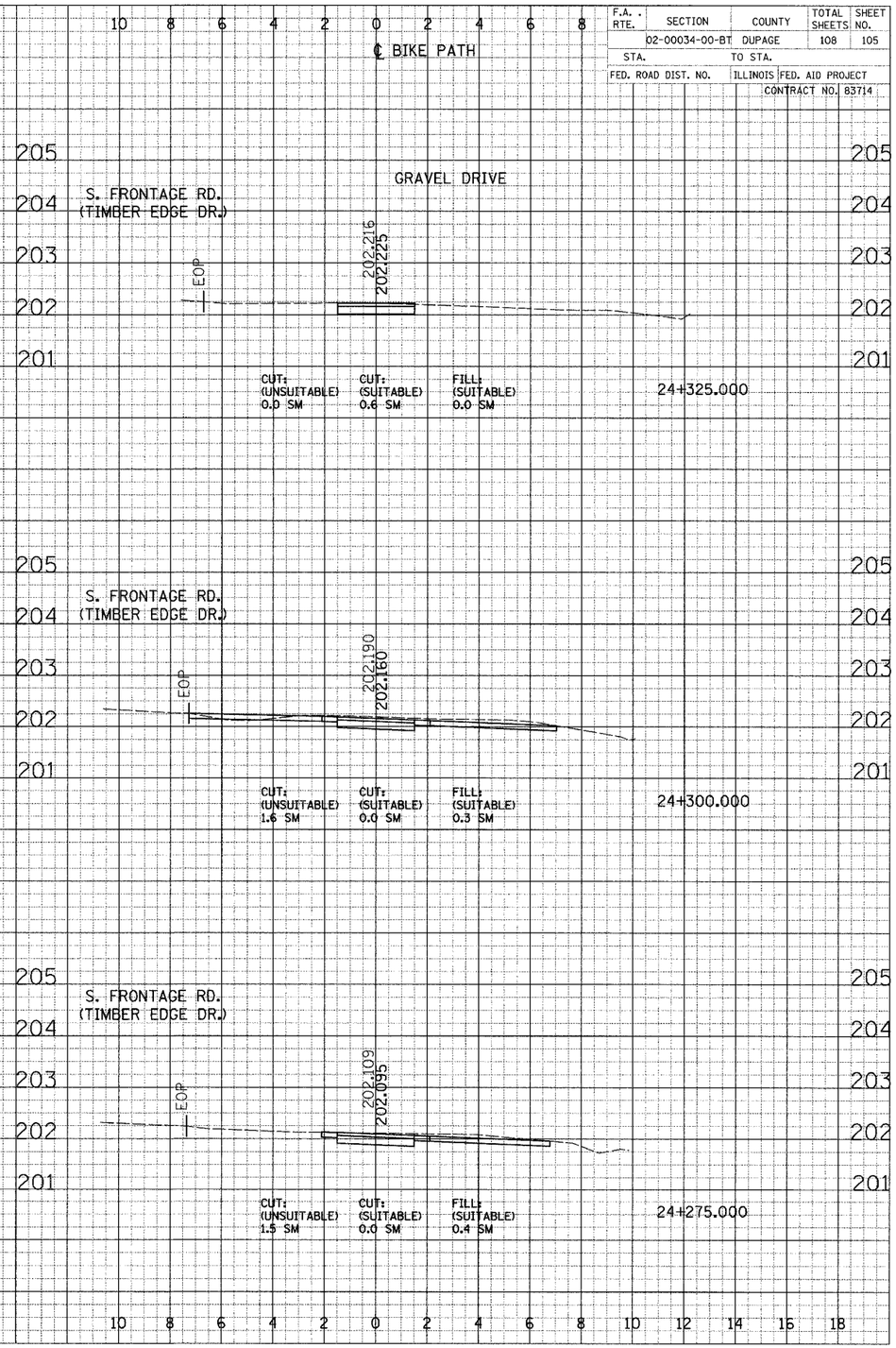
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	104
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 83714		



CROSS SECTIONS - OAKBROOK

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	105
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	





CROSS SECTIONS - OAKBROOK

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	106
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	CONTRACT NO. 83714			

FINAL SURVEY NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY NOTE BOOK — SURVEYED — PLOTTED — AREAS — LINES CHECKED — BY — DATE

℄ BIKE PATH

YORK WOODS FOREST PRESERVE (PARKING LOT)

EOP

202.071
202.168

24+400.000

CUT: (UNSUITABLE) 1.3 SM | CUT: (SUITABLE) 0.0 SM | FILL: (SUITABLE) 0.8 SM

S. FRONTAGE RD. (TIMBER EDGE DR.)

EOP 1:3 1:3 1:3

202.047
202.259

201.90

24+375.000

CUT: (UNSUITABLE) 2.2 SM | CUT: (SUITABLE) 0.1 SM | FILL: (SUITABLE) 1.9 SM

S. FRONTAGE RD. (TIMBER EDGE DR.)

EOP 1:3 1:3

202.202
202.333

202.00

24+350.000

CUT: (UNSUITABLE) 1.3 SM | CUT: (SUITABLE) 0.0 SM | FILL: (SUITABLE) 1.2 SM

℄ BIKE PATH

YORK WOODS FOREST PRESERVE (PARKING LOT)

EOP 1:3 1:3 1:3

201.054
201.700

201.10

PROP. 300 mm RCCP

24+475.000

CUT: (UNSUITABLE) 2.6 SM | CUT: (SUITABLE) 0.0 SM | FILL: (SUITABLE) 4.9 SM

YORK WOODS FOREST PRESERVE (PARKING LOT)

1:4 1:4 1:4

201.702
201.804

201.70

24+450.000

CUT: (UNSUITABLE) 1.5 SM | CUT: (SUITABLE) 0.0 SM | FILL: (SUITABLE) 0.7 SM

YORK WOODS FOREST PRESERVE (PARKING LOT)

EOP 1:4 1:4

201.872
201.987

201.80

24+425.000

CUT: (UNSUITABLE) 1.4 SM | CUT: (SUITABLE) 0.0 SM | FILL: (SUITABLE) 0.9 SM

CROSS SECTIONS - OAKBROOK

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	107
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 83714		

FINAL
ORIGINAL SURVEY

NO.	NOTE BOOK	SURVEYED	PLOTTED	CHECKED	AREAS	AREAS CHECKED	BY	DATE

10 8 6 4 2 0 2 4 6 8 10 12 14 16 18

℄ BIKE PATH

END CONSTRUCTION
STA. 24+563.360

205
204
203
202
201

YORK WOODS
FOREST PRESERVE

202.054
202.058

24+550.000

CUT: (UNSUITABLE) 1.3 SM
CUT: (SUITABLE) 0.0 SM
FILL: (SUITABLE) 0.6 SM

YORK WOODS
FOREST PRESERVE

201.812
201.840

24+525.000

CUT: (UNSUITABLE) 1.5 SM
CUT: (SUITABLE) 0.0 SM
FILL: (SUITABLE) 0.6 SM

YORK WOODS
FOREST PRESERVE
(PARKING LOT)

E.O.P.
1:3
1:4
201.290
201.599

24+500.000

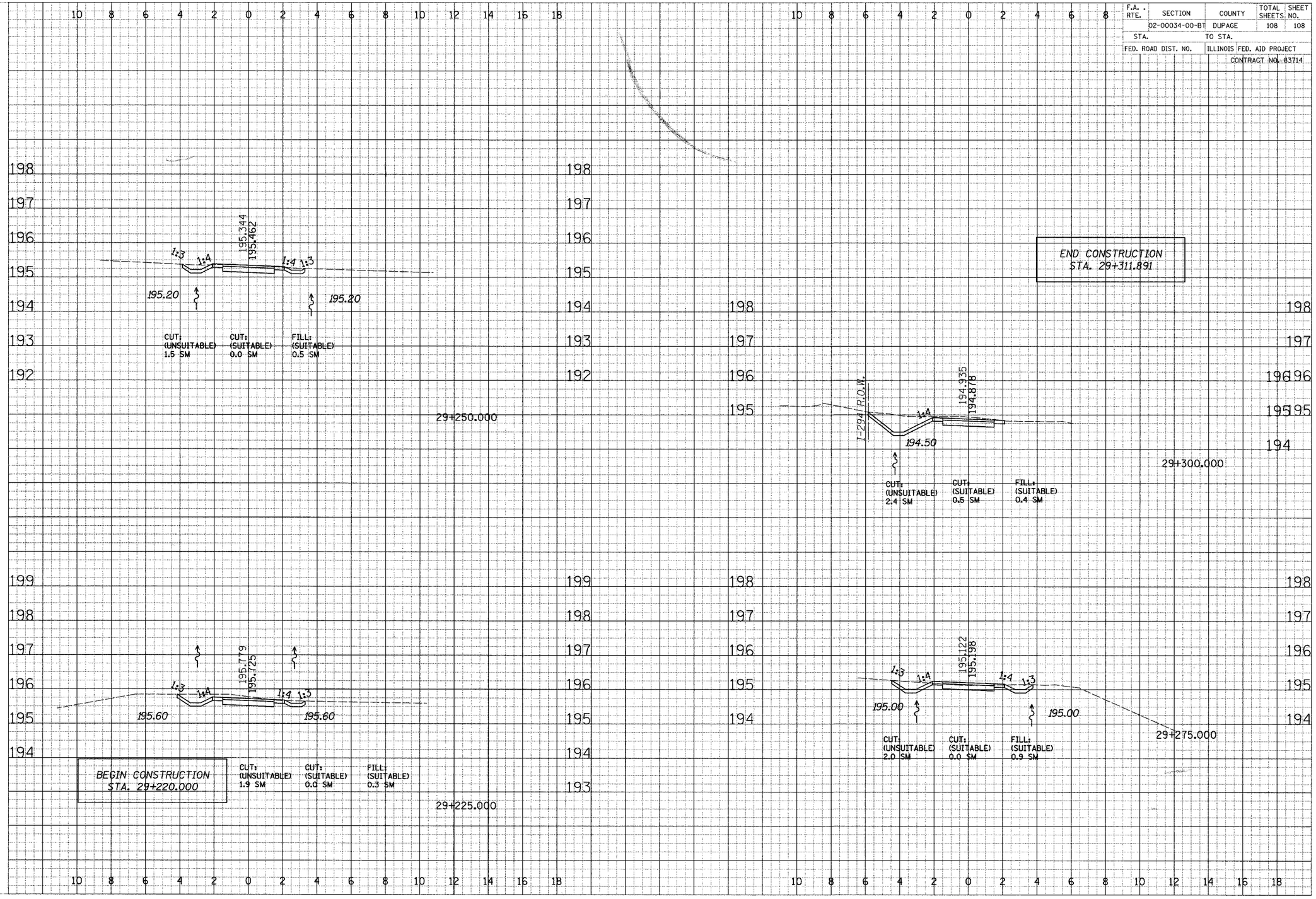
CUT: (UNSUITABLE) 1.7 SM
CUT: (SUITABLE) 0.0 SM
FILL: (SUITABLE) 2.4 SM

℄ BIKE PATH

CROSS SECTIONS - OAKBROOK

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	02-00034-00-BT	DUPAGE	108	108
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83714	

ORIGINAL	BY	DATE
SURVEYED		
PLOTTED		
CROSSED		
AREAS CHECKED		
NO.	REVISIONS	



CROSS SECTIONS - CANTERBERRY LN