

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3504	09-00071-00-SW	LAKE	27	1
		ILLINOIS	CONTRACT NO. 63589	

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- 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
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- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
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- 701901-01 TRAFFIC CONTROL DEVICES
- BD-12 MANHOLE WITH RESTRICTOR PLATE (DISTRICT 1)

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

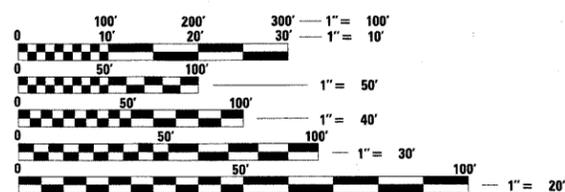
**FAU 3504 (SOUTH OLD RAND RD) (IL ROUTE 22 TO GRAND AVE) &  
SURRYSE ROAD (ALPINE FAMILY CENTER TO BUESCHING RD)**

**PROPOSED SIDEWALK**

**SECTION: 09-00071-00-SW  
PROJECT: CMM-9003(270)**

**LAKE ZURICH  
LAKE COUNTY**

C-91-396-09



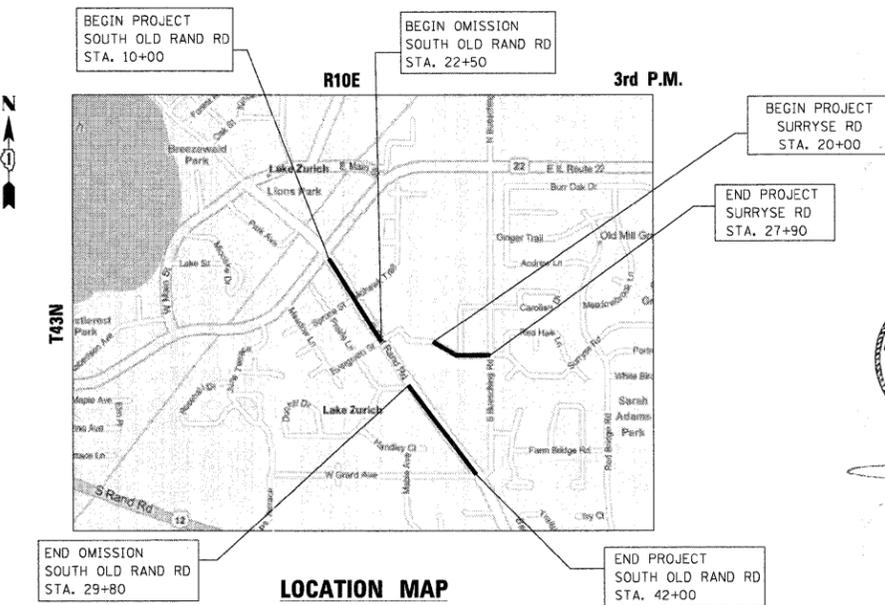
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

**CONTRACT NO. 63589**



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -



**LOCATION MAP**  
NOT TO SCALE  
ELA TOWNSHIP

GROSS LENGTH = 3990 FT. = 0.756 MILE  
NET LENGTH = 3260 FT. = 0.617 MILE



4/8/11  
*[Signature]*  
E-tp. 11/30/11

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

Approved April 8, 2011 (DATE)  
*[Signature]* (SIGNATURE)  
VILLAGE OF LAKE ZURICH, VILLAGE ENGINEER / PUBLIC WORKS DIRECTOR

Passed April 13, 2011 (DATE)  
*[Signature]* (SIGNATURE)  
District Engineer of Local Roads & Streets

Releasing for Bid  
Based on Limited Review April 13, 2011 (DATE)  
*[Signature]* (SIGNATURE)  
Deputy Director of Highways, Region 9

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OF THE STATE OF ILLINOIS**



ZIM Group, LLC  
203 North Wabash Avenue  
Suite 804  
Chicago, IL 60601

## GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT JULIE (1-800-892-0123) PRIOR TO ANY EXCAVATION WORK (ELA TOWNSHIP, T43N, R10E).
2. THE VILLAGE OF LAKE ZURICH MUST HAVE 48 HOURS NOTICE PRIOR TO THE COMMENCEMENT OF ANY APPROVED CONSTRUCTION ACTIVITY.
3. ALL PUBLIC IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE SPECIFIC APPROVAL OF THE ENGINEER.
5. ALL STRUCTURE ADJUSTMENTS SHALL BE ACCOMPLISHED USING ONLY CONCRETE RINGS NOT TO EXCEED 8" WITH APPROPRIATE MASTIC OR MORTAR.
6. EXISTING FIELD TILES ENCOUNTERED DURING DESIGN OR CONSTRUCTION SHALL BE REDIRECTED OR INCLUDED IN A MANNER ACCEPTABLE TO THE ENGINEER. ANY AND ALL FIELD TILES ENCOUNTERED SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER OR FIELD REPRESENTATIVE.
7. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND SIDEWALK IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK AS SPECIFIED.
8. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
9. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FROM BEST AVAILABLE RECORD INFORMATION AND MUST BE FIELD VERIFIED BY THE CONTRACTOR.
10. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
11. POLLUTION CONTROL: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION.
12. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE DURING CONSTRUCTION. THE COST SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
13. IDOT STANDARDS SHALL SUPERCEDE LAKE ZURICH STANDARDS IN CASE OF CONFLICT.
14. SAW CUTTING PRIOR TO THE REMOVAL OF ANY ITEMS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
15. THE CONTRACTOR SHALL PROTECT EXISTING AND NEW UTILITIES AND SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY IN ORDER TO PREVENT SETTLEMENT, DISPLACEMENT OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT.
16. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE ALL ROAD SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION. THIS COST SHALL BE INCLUDED IN THE COST OF THE CONTRACT. ALL WORK INVOLVING ROAD SIGNS SHALL BE GOVERNED BY THE FOLLOWING:
  - A. SIGNS SHALL NOT BE REMOVED UNTIL NECESSITATED BY THE PROGRESS OF THE WORK.
  - B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. ALL SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
  - C. ALL UNUSED SIGNS SHALL BE RETURNED TO THE APPROPRIATE GOVERNING BODY AS DIRECTED BY THE ENGINEER.
17. THE RESIDENT ENGINEER SHALL CONTACT THE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO PLACEMENT OF ANY TRAFFIC CONTROL DEVICES.

18. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.

19. WHENEVER, DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURE, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATION, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THEREOF.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A DIRECT RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AND HANDWORK WITH A SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

21. THE CONTRACTOR SHALL VERIFY OVERHEAD UTILITY LINE ELEVATIONS AND COORDINATE THE WORK AS NEEDED. APPROPRIATE SAFETY AND CONSTRUCTION PROCEDURES SHALL BE ADHERED TO AT THESE LOCATIONS.

22. ALL EXISTING DOMESTIC BUFFALO BOXES ARE TO BE ADJUSTED BY THE CONTRACTOR. THE COST OF THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

23. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE OF LAKE ZURICH. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

24. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.

25. THE COST OF MAKING STORM SEWER CONNECTIONS TO THE EXISTING STORM SEWER SYSTEM SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PROPOSED STORM SEWER.

26. MANHOLES AND CATCH BASINS TYPE A WHERE THE DIFFERENCE BETWEEN THE RIM ELEVATION AND INVERT ELEVATION IS LESS THAN SIX (6) FEET, SHALL BE CONSTRUCTED WITH FLAT TOPS.

27. ADJUSTMENT OF STRUCTURES MAINTAINED BY OTHER AGENCIES SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY MAINTAINING THE SYSTEM OF THE STRUCTURE INVOLVED.

28. ALL MANHOLES AND INLETS SHALL HAVE POURED INVERTS. THE COST OF INVERTS SHALL BE INCLUDED IN THE COST OF THE STRUCTURE.

29. DRIVEWAY PAVEMENT REMOVAL SHALL INCLUDE ADDITIONAL 6 INCH TO 1 FOOT OF PAVEMENT REMOVAL FOR THE PLACEMENT OF FORMS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PAY ITEM FOR DRIVEWAY REMOVAL.

30. ALL RIM AND INVERT ELEVATIONS FOR THE EXISTING AND PROPOSED SEWER MUST BE FIELD VERIFIED.

31. EXISTING FRAME AND GRATES ARE TO BE SALVAGED AND DELIVERED TO THE VILLAGE. THE COST IS TO BE INCLUDED IN THE COST OF THE CONTRACT.

32. WHEN PROPOSED SIDEWALK CROSSES AN EXISTING DRIVEWAY, THE SIDEWALK SLOPE SHALL BE MADE TO MATCH THE DRIVEWAY SLOPE.

## HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	THICKNESS	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL-9.5mm)	2"	4% @ 50 Gyr
HOT-MIX ASPHALT BASE COURSE, PE-6" OR CE-8"	6" OR 8"	4% @ 50 Gyr

UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQ YD/IN

FILE NAME =	DESIGNED <i>LSM</i>	REVISED -	 <small>2im Group, LLC 203 North Wabash Avenue Suite 904 Chicago, IL 60601</small>	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>VILLAGE OF LAKE ZURICH</b> <b>GENERAL NOTES</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = TRICE	DRAWN <i>AO</i>	REVISED -			3504	09-00071-00-SW	LAKE	27	2		
PLOT DATE = 03/28/2011	CHECKED <i>OTU</i>	REVISED -			SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 63589		ILLINOIS FED. AID PROJECT		
	DATE <i>03/28/2011</i>	REVISED -									

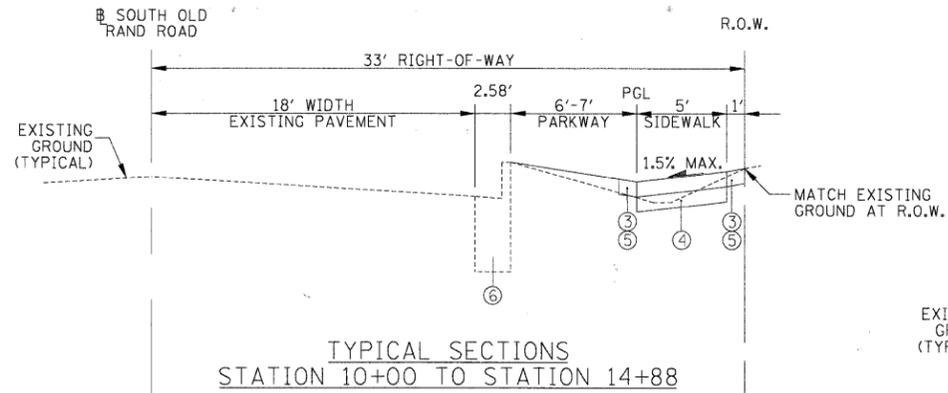
### SUMMARY OF QUANTITIES

S.P. / SPEC.	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					80% FED 20% STATE SAFETY 0021
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	70	70
	20200100	EARTH EXCAVATION	CU YD	276	276
	20800150	TRENCH BACKFILL	CU YD	216	216
	21101620	TOPSOIL FURNISH AND PLACE, 5"	SQ YD	738	738
	25000100	SEEDING, CLASS 1	ACRE	0.15	0.15
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	14	14
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	14	14
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	14	14
	25100105	MULCH, METHOD 1	ACRE	0.15	0.15
	28000400	PERIMETER EROSION BARRIER	FOOT	221	221
	28000500	INLET AND PIPE PROTECTION	EACH	38	38
	28100101	STONE RIPRAP, CLASS A1	SQ YD	20	20
	28200200	FILTER FABRIC	SQ YD	20	20
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,572	1,572
	31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	254	254
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	58	58
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	20	20
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	9	9
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	14,148	14,148
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH	SQ FT	1,583	1,583
	42400800	DETECTABLE WARNINGS	SQ FT	96	96
	44000100	PAVEMENT REMOVAL	SQ YD	31	31
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	178	178
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	54	54
	44000600	SIDEWALK REMOVAL	SQ FT	49	49
	50105220	PIPE CULVERT REMOVAL	FOOT	57	57
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3

S.P. / SPEC.	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
					80% FED 20% STATE SAFETY 0021
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	75	75
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	47	47
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	6	6
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	170	170
	550B0030	STORM SEWERS, CLASS B, TYPE 1 8"	FOOT	52	52
	55100700	STORM SEWER REMOVAL 15"	FOOT	20	20
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1
	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	5	5
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	10	10
	60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2
	60253100	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	9	9
	60500050	REMOVING CATCH BASINS	EACH	1	1
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	445	445
	63200310	GUARDRAIL REMOVAL	FOOT	254	254
	67100100	MOBILIZATION	LSUM	1	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	Lsum	1	1
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	Lsum	1	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	Lsum	1	1
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	25	25
+	78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FOOT	299	299
+	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	52	52
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	102	102
*	X0322118	REMOVE CONCRETE FLARED END SECTION	EACH	2	2
*	X0322939	RELOCATE EXISTING FLARED END SECTION	EACH	1	1
*	X0326337	DRAINAGE CONTROL STRUCTURE	EACH	1	1
*	XX000503	SPLIT RAIL FENCE	FOOT	150	150
*	XZ127902	RETAINING WALL, SPECIAL	SQ FT	282	282
*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1

\* SPECIAL PROVISION  
+ SPECIALTY ITEM

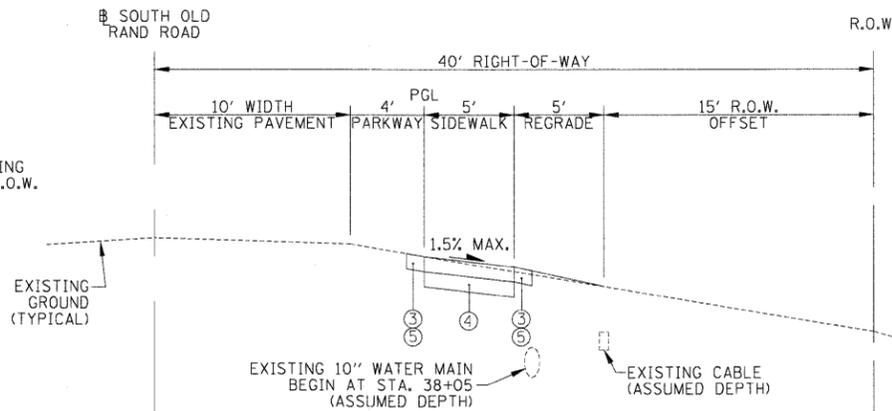
**SOUTH OLD RAND ROAD**



TYPICAL SECTIONS  
STATION 10+00 TO STATION 14+88

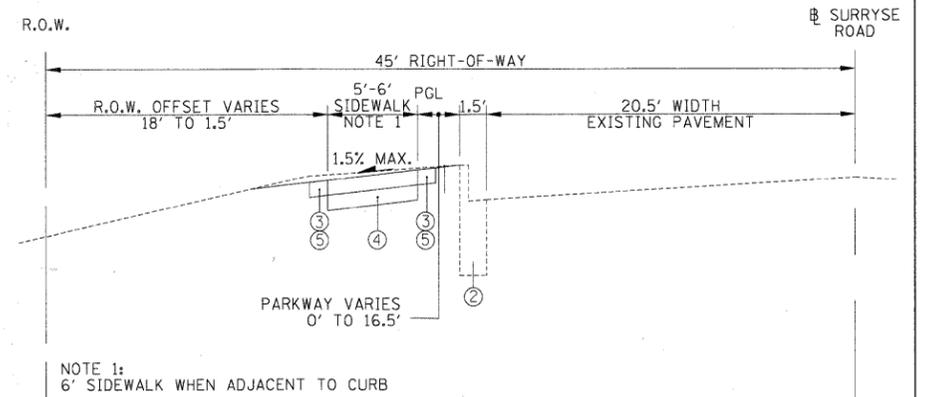
**TYPICAL SECTIONS**

(NOT TO SCALE)

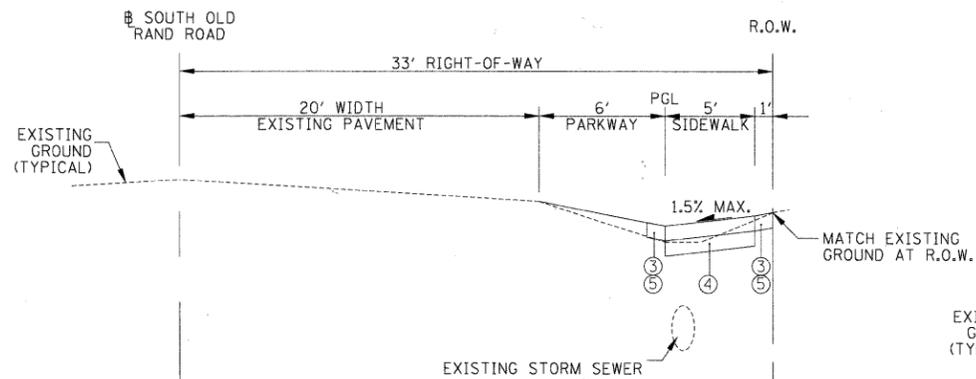


TYPICAL SECTIONS  
STATION 34+00 TO STATION 38+24

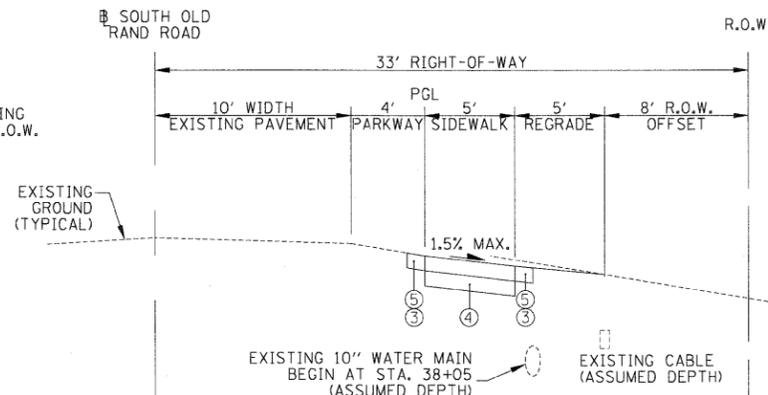
**SURRYSE ROAD**



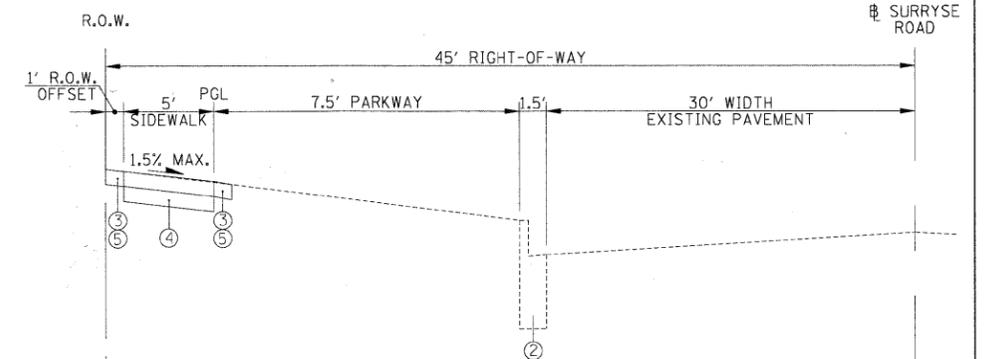
TYPICAL SECTIONS  
STATION 20+27 TO STATION 23+64



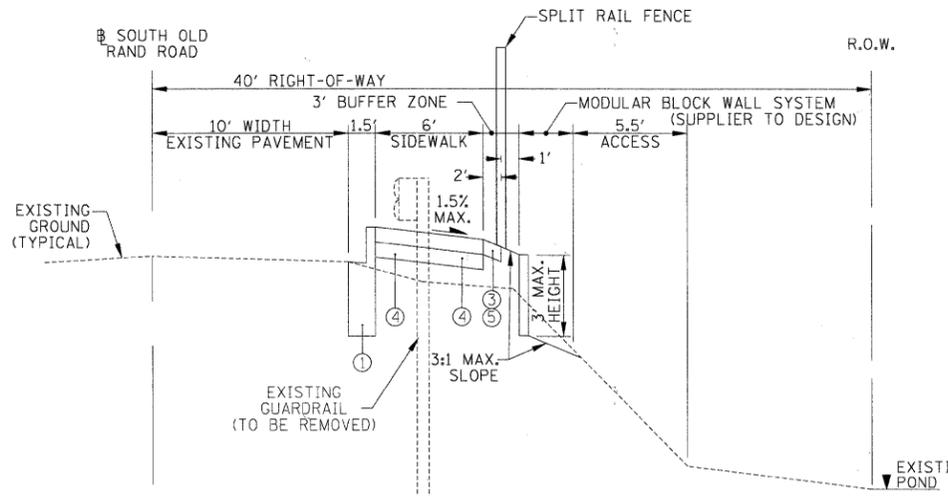
TYPICAL SECTIONS  
STATION 14+88 TO STATION 22+18  
(OMISSION 22+18 TO 29+80)



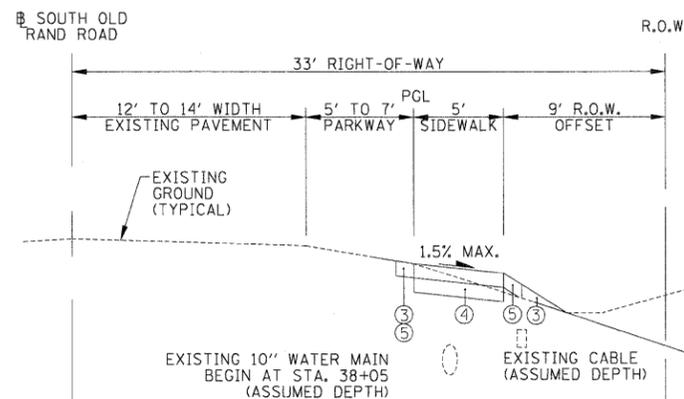
TYPICAL SECTIONS  
STATION 34+24 TO STATION 38+86



TYPICAL SECTIONS  
STATION 23+64 TO STATION 27+51



TYPICAL SECTIONS  
STATION 29+80 TO STATION 34+00



TYPICAL SECTIONS  
STATION 39+11 TO STATION 41+69

**LEGEND**

- ① PR. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ② EX. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ③ PR. SEEDING, CLASS 1
- ④ PR. SUBBASE GRANULAR MATERIAL, TYPE B 4" (SEE SIDEWALK SCHEDULE FOR VARYING SUBBASE DEPTHS)
- ⑤ PR. TOPSOIL FURNISH AND PLACE, 5"
- ⑥ EX. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = 03/28/2011	CHECKED OIU	REVISED -
	DATE 03/28/2011	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
TYPICAL SECTIONS**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3504	09-00071-00-SW	LAKE	27	4
CONTRACT NO. 63589				
ILLINOIS FED. AID PROJECT				

## SCHEDULES OF QUANTITIES

### REMOVAL SCHEDULE

LOCATION	OFFSET		PAVEMENT REMOVAL SQ YD	DRIVEWAY PAVEMENT REMOVAL SQ YD	COMBINATION CURB AND GUTTER REMOVAL FOOT	SIDEWALK REMOVAL SQ FT	PIPE CULVERT REMOVAL FOOT	STORM SEWER REMOVAL 15" FOOT	GUARDRAIL REMOVAL FOOT	REMOVE CONCRETE FLARED END SECTION EACH	RELOCATE EXISTING FLARED END SECTION EACH
	FEET	LT/RT									
<b>S. OLD RAND RD.</b>											
11+00 to 11+92	27	RT		49.2							
12+85 to 13+04	27	RT					20				
12+92	27	RT		20.2							
13+40 to 13+64	29	RT					25				
13+51	27	RT		11.3							
14+07	29	RT								1	
14+30	27	RT		18.0							
14+77	27	RT		10.0							
16+15	27	RT				14					
16+84	27	RT				15					
17+68	27	RT		12.8							
17+90	27	RT		6.8							
18+56	27	RT		11.1							
19+07	27	RT		6.7							
19+65	27	RT		8.3							
20+45	27	RT		12.0							
21+30	27	RT		11.9							
29+09 to 29+73	16	RT	31.0								
29+09 to 29+25	25	RT			16						
29+69	25	RT									1
30+58 to 33+12	15	RT							254		
35+12 to 35+29	20	RT					19				
41+40	23	RT					13			1	
<b>TOTAL</b>			<b>31.0</b>	<b>178</b>	<b>16</b>	<b>29</b>	<b>57</b>	<b>20</b>	<b>254</b>	<b>2</b>	<b>1</b>
<b>SURRYSE RD.</b>											
23+02	35	LT			6						
23+26	35	LT			6						
24+06	39	LT			7						
24+47	39	LT			7						
27+51	35	LT			12						
27+53	42	LT				20					
<b>TOTAL</b>			<b>0.0</b>	<b>0</b>	<b>38</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>			<b>31.0</b>	<b>178</b>	<b>54</b>	<b>49</b>	<b>57</b>	<b>20</b>	<b>254</b>	<b>2</b>	<b>1</b>

### DETECTABLE WARNINGS SCHEDULE

LOCATION	OFFSET		DETECTABLE WARNINGS SQ FT
	FEET	LT/RT	
<b>S. OLD RAND RD.</b>			
16+12	27	RT	10
16+52	27	RT	10
22+12	27	RT	10
41+62	19	RT	10
<b>TOTAL</b>			<b>40</b>
<b>SURRYSE RD.</b>			
22+97	35	LT	10
23+25	35	LT	10
24+00	39	LT	10
24+47	39	LT	10
27+51	39	LT	16
<b>TOTAL</b>			<b>56</b>
<b>TOTAL</b>			<b>96</b>

### TREE REMOVAL SCHEDULE

LOCATION	OFFSET RIGHT FEET	TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT
Sta. 33+88.96	21.7	6
Sta. 35+27.13	21.2	6
Sta. 35+26.42	24.3	6
Sta. 35+46.83	16.35	8
Sta. 35+64.56	19.7	6
Sta. 35+67.22	19.3	6
Sta. 35+66.73	19.9	6
Sta. 35+71.14	20.3	8
Sta. 36+69.70	20.2	6
Sta. 36+75.11	22.2	6
Sta. 36+98.74	22.5	6
<b>TOTAL</b>		<b>70</b>

### PROPOSED SIDEWALK SCHEDULES

LOCATION	P.C.C. SIDEWALK, 5 INCH (4" SUB-BASE) SQ FT	SUB-BASE GRANULAR MATERIAL, TYPE B 4" SQ YD	P.C.C. SIDEWALK, 6 INCH (6" SUB-BASE) SQ FT	SUB-BASE GRANULAR MATERIAL, TYPE B 6" SQ YD
<b>S. OLD RAND RD.</b>				
10+67 to 11+00	179.0	19.9		
11+00 to 11+92			441	49.0
11+92 to 12+85	473.0	52.6		
12+85 to 13+00			71	7.9
13+00 to 13+43	218.0	24.2		
13+43 to 13+59			80	8.9
13+59 to 14+13	270.0	30.0		
14+13 to 14+46			162	18.0
14+46 to 14+68	111.0	12.3		
14+68 to 14+86			91	10.1
14+86 to 16+17	664.0	73.8		
16+17 to 16+48			SPRUCE ROAD	
16+48 to 17+57	552.0	61.3		
17+57 to 17+80			116	12.9
17+80 to 17+84	20.0	2.2		
17+84 to 17+98			61	6.8
17+98 to 18+45	245.0	27.2		
18+45 to 18+65			100	11.1
18+65 to 19+00	178	19.8		
19+00 to 19+14			60	6.7
19+14 to 19+57	224	24.9		
19+57 to 19+73			75	8.3
19+73 to 20+34	306	34.0		
20+34 to 20+56			108	12.0
20+56 to 21+19	317	35.2		
21+19 to 21+42			107	11.9
21+42 to 22+18	393	43.7		
22+50 to 29+00			WORK OMISSION	
29+06 to 29+86	453	50.3		
29+86 to 33+50	2188	243.1		
33+50 to 33+72	120	13.3		
33+72 to 38+86	2576	286.2		
38+86 to 39+10			111	12.3
39+10 to 41+67	1293	143.7		
<b>TOTAL</b>	<b>10780</b>	<b>1198</b>	<b>1583</b>	<b>176</b>
<b>SURRYSE ROAD</b>				
25+40 to 27+84	1497	166.3		
28+04 to 28+50	305	33.9		
28+70 to 31+20	1566	174.0		
<b>TOTAL</b>	<b>3368</b>	<b>374</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>14148</b>	<b>1572</b>	<b>1583</b>	<b>176</b>

### ADDITIONAL PROPOSED ITEMS SCHEDULE

LOCATION	OFFSET		COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 FOOT	THERMOPLASTIC PAVEMENT MARKING-LINE 6" FOOT	SPLIT RAIL FENCE FOOT	RETAINING WALL, SPECIAL SQ FT
	FEET	LT/RT				
<b>S. OLD RAND RD.</b>						
16+18 to 16+48	27	RT		56		
22+18 to 22+47	27	RT		54		
31+25 to 32+75	20	RT			150	
31+25 to 32+75	20	RT				282
41+67 to 42+32	19	RT		115		
29+09 to 33+50	8.5	RT	445			
<b>TOTAL</b>			<b>445</b>	<b>225</b>	<b>150</b>	<b>282</b>
<b>SURRYSE RD.</b>						
24+09 to 24+44	39	LT		74		
<b>TOTAL</b>			<b>0</b>	<b>74</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>			<b>445</b>	<b>299</b>	<b>150</b>	<b>282</b>

### LANDSCAPING SCHEDULE

LOCATION	TOPSOIL FURNISH AND PLACE, 5" SQ YD	SEEDING, CLASS 1 ACRE	MULCH, METHOD 1 ACRE	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND
10+00 to 42+00	584	0.12	0.12	10.86	10.86	10.86
<b>TOTAL</b>	<b>584</b>	<b>0.12</b>	<b>0.12</b>	<b>10.86</b>	<b>10.86</b>	<b>10.86</b>
<b>SURRYSE RD.</b>						
25+40 to 31+20	154	0.03	0.03	2.86	2.86	2.86
<b>TOTAL</b>	<b>154</b>	<b>0.03</b>	<b>0.03</b>	<b>2.86</b>	<b>2.86</b>	<b>2.86</b>
<b>TOTAL</b>	<b>738</b>	<b>0.15</b>	<b>0.15</b>	<b>14</b>	<b>14</b>	<b>14</b>

**EROSION CONTROL SCHEDULE**

LOCATION	OFFSET		PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	STONE RIPRAP, CLASS A1	FILTER FABRIC
	FEET	LT/RT				
<b>S. OLD RAND RD.</b>						
10+78	28	RT		1		
12+34	20	RT		1		
12+41	20	RT		1		
12+45	24	RT		1		
12+54	20	RT		1		
12+84	23	RT		1		
13+02	29	RT		1		
13+08	29	RT		1		
13+09	25	RT		1		
13+64	24	RT		1		
13+64	29	RT		1		
15+00	27	RT		1		
15+06	24	RT		1		
16+70	24	RT		1		
16+70	29	RT		1		
16+96	29	RT		1		
17+99	29	RT		1		
18+02	24	RT		1		
18+94	23	RT		1		
18+94	28	RT		1		
19+18	28	RT		1		
19+22	24	RT		1		
20+63	25	RT		1		
21+46	29	RT		1		
21+50	24	RT		1		
29+23	19	RT		1		
29+25	25	RT		1		
29+56 TO 32+99	25-38	RT	340	1		
30+10	27	RT			10	10
30+25	9	RT		1		
31+50	10	RT		1		
31+50	30	RT			5	5
32+50	10	RT		1		
32+50	27	RT			5	5
32+96	9	RT		1		
33+10	9	RT		1		
41+41	23	RT		1		
<b>TOTAL</b>			<b>0</b>	<b>34</b>	<b>20</b>	<b>20</b>
<b>SURRYSE RD.</b>						
20+25 TO 22+46	43	LT	221			
20+76	21	LT		1		
23+96	30	LT		1		
25+01	31	LT		1		
25+16	50	LT		1		
<b>TOTAL</b>			<b>221</b>	<b>4</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>			<b>221</b>	<b>38</b>	<b>20</b>	<b>20</b>

**SCHEDULES OF QUANTITIES**

**ADJUSTMENT & RECONSTRUCT SCHEDULE**

LOCATION	OFFSET		CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
	FEET	LT/RT		
<b>S. OLD RAND RD.</b>				
12+49	28	RT	1	
15+00	27	RT	1	
16+70	29	RT	1	
16+96	29	RT	1	
17+99	29	RT	1	
18+94	28	RT	1	
19+18	28	RT	1	
19+56	28	RT		1
20+60	28	RT		1
21+46	29	RT	1	
29+25	25	RT	1	
<b>TOTAL</b>			<b>9</b>	<b>2</b>

**PROPOSED STORM SEWER SCHEDULE**

PIPE & PIPE NO.	FROM STRUCTURE	TO STRUCTURE	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P-001	S-001	EXISTING	STORM SEWERS, CLASS A, TYPE 2 15"	19	2.95%	15.3
P-002	S-002	S-001	STORM SEWERS, CLASS A, TYPE 2 15"	106	2.00%	83.6
P-003	S-003	EXISTING	STORM SEWERS, CLASS A, TYPE 2 12"	6	1.00%	3.4
P-004	EXISTING	S-004	STORM SEWERS, CLASS A, TYPE 1 18"	47	2.57%	
P-005	S-005	S-006	STORM SEWERS, CLASS A, TYPE 2 12"	125	4.00%	53.7
P-006	S-006	S-007	STORM SEWERS, CLASS A, TYPE 2 12"	16.5	2.00%	7.9
P-007	S-009	S-008	STORM SEWERS, CLASS A, TYPE 1 12"	15	0.53%	3.6
P-008	S-008	S-012	STORM SEWERS, CLASS A, TYPE 1 12"	46	0.50%	11.9
P-009	S-012	S-010	STORM SEWERS, CLASS A, TYPE 1 12"	14	0.50%	4.6
P-010	S-014	S-001	STORM SEWERS, CLASS B, TYPE 1 8"	7	2.29%	2.0
P-011	S-015	S-016	STORM SEWERS, CLASS B, TYPE 1 8"	5	4.60%	1.5
P-012	S-002	S-016	STORM SEWERS, CLASS A, TYPE 2 15"	45	2.00%	23.9
P-013	S-017	EXISTING	STORM SEWERS, CLASS B, TYPE 1 8"	7	0.86%	0.6
P-014	S-018	EXISTING	STORM SEWERS, CLASS B, TYPE 1 8"	5	0.80%	1.5
P-015	S-019	EXISTING	STORM SEWERS, CLASS B, TYPE 1 8"	5	0.80%	0.5
P-016	S-020	EXISTING	STORM SEWERS, CLASS B, TYPE 1 8"	6	0.83%	0.4
P-017	S-021	EXISTING	STORM SEWERS, CLASS B, TYPE 1 8"	5	0.80%	0.5
P-018	S-022	EXISTING	STORM SEWERS, CLASS B, TYPE 1 8"	6	0.83%	0.4
P-019	S-023	EXISTING	STORM SEWERS, CLASS B, TYPE 1 8"	6	0.83%	0.2

**PROPOSED DRAINAGE STRUCTURE SCHEDULE**

STRUCTURE NO.	STATION	OFFSET	RIM ELEV	STRUCTURE TYPE	INVERT ELEVATION			
					NORTH	SOUTH	EAST	WEST
S-001	13+03	28.6	RT	870.44	DRAINAGE CONTROL STRUCTURE			
S-002	14+08	28.7	RT	872.36	864.00	864.00		
S-003	29+23	19.4	RT	882.05	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE			
S-004	30+09	26.6	RT	NA	RELOCATE EXISTING FLARED END SECTION			
S-005	30+25	9.6	RT	876.80	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE			
S-006	31+50	10.6	RT	871.66	867.80			867.33
S-007	31+50	29.3	RT	NA	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"			
S-008	32+96	9.4	RT	869.15	866.30	866.30		
S-009	33+11	9.1	RT	869.10	866.38			
S-010	32+50	24.2	RT	NA	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"			
S-011	41+50	17.0	RT	NA	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"			
S-012	32+50	10.2	RT	869.39		866.07		866.07
S-013	12+45	25.0	RT	870.07	867.31			
S-014	13+09	25.0	RT	869.66	INLETS, TYPE A, TYPE 8 GRATE			
S-015	13+64	24.0	RT	870.87	INLETS, TYPE A, TYPE 8 GRATE			
S-016	13+64	29.0	RT	870.77	865.22	865.22	865.70	
S-017	15+06	24.0	RT	874.36	INLETS, TYPE A, TYPE 8 GRATE			
S-018	16+70	24.0	RT	878.48	INLETS, TYPE A, TYPE 8 GRATE			
S-019	16+70	24.0	RT	878.78	INLETS, TYPE A, TYPE 8 GRATE			
S-020	18+02	24.0	RT	879.35	INLETS, TYPE A, TYPE 8 GRATE			
S-021	18+94	23.0	RT	879.82	INLETS, TYPE A, TYPE 8 GRATE			
S-022	19+22	24.0	RT	879.64	INLETS, TYPE A, TYPE 8 GRATE			
S-023	21+50	24.0	RT	881.08	INLETS, TYPE A, TYPE 8 GRATE			

FILE NAME =	DESIGNED <i>LSM</i>	REVISED -
	DRAWN <i>AO</i>	REVISED -
USER NAME = TRICE	CHECKED <i>OIU</i>	REVISED -
PLOT DATE = 03/28/2011	DATE <i>03/28/2011</i>	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
SCHEDULES OF QUANTITIES**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 6
CONTRACT NO. 63589				
[ILLINOIS] FED. AID PROJECT				

## SCHEDULES OF QUANTITIES

### SURRYSE ROAD EARTH EXCAVATION

STATION	CUT		FILL
	EARTH EXCAVATION VOLUME	EMBANKMENT VOLUME	TOPSOIL VOLUME
	CU YD	CU YD	CU YD
20+50			
21+00	9.02	1.00	1.53
21+50	8.66	0.83	1.53
22+00	9.80	0.93	1.51
22+50	10.35	1.24	1.51
23+00	10.46	1.35	1.51
23+50	9.40	1.23	1.52
24+00	8.14	1.01	1.55
24+50	8.60	1.07	1.57
25+00	8.44	1.13	1.55
25+50	8.81	1.20	1.50
26+00	9.27	1.19	1.50
26+50	9.82	1.21	1.52
27+00	9.56	1.17	1.53
27+50	8.78	1.09	1.56
<b>TOTAL</b>	<b>129</b>	<b>16</b>	<b>21</b>

### SOUTH OLD RAND ROAD EARTH EXCAVATION

STATION	CUT		FILL
	EARTH EXCAVATION VOLUME	EMBANKMENT VOLUME	TOPSOIL VOLUME
	CU YD	CU YD	CU YD
11+00	PAVEMENT REMOVAL		
11+50	PAVEMENT REMOVAL		
12+00			
12+50	9.73	1.34	1.57
13+00	9.33	1.36	1.54
13+50	DRIVEWAY REMOVAL		
14+00			
14+50	5.35	1.11	1.52
15+00	7.46	1.04	1.53
15+50	6.31	0.82	1.69
16+00	6.73	0.80	1.82
16+50	8.66	1.02	1.66
17+00	9.03	1.19	1.54
17+50	9.15	1.30	1.54
18+00	DRIVEWAY REMOVAL		
18+50	DRIVEWAY REMOVAL		
19+00	DRIVEWAY REMOVAL		
19+50			
20+00	6.00	1.31	2.51
20+50	DRIVEWAY REMOVAL		
21+00			
21+50	7.98	1.14	1.54
22+00	10.32	1.47	1.54
29+50	WORK OMISSION		
30+00	3.06	3.93	4.15
30+50	5.75	4.13	4.76
31+00	8.19	1.31	4.57
33+00	8.75	1.00	3.75
33+50	8.84	1.01	1.50
34+00	8.88	1.24	1.48
34+50	7.35	1.21	2.21
35+00	4.52	2.07	2.82
35+50	3.66	3.17	2.83
36+00	4.20	2.31	2.79
36+50	4.17	2.26	2.78
37+00	4.38	2.25	2.80
37+50	7.31	1.23	2.09

### SOUTH OLD RAND ROAD EARTH EXCAVATION

STATION	CUT		FILL
	EARTH EXCAVATION VOLUME	EMBANKMENT VOLUME	TOPSOIL VOLUME
	CU YD	CU YD	CU YD
38+00			
38+50	5.12	2.74	3.09
39+00	4.38	2.95	3.84
39+50	4.19	2.59	3.70
40+00	4.81	2.37	3.34
40+50	5.92	0.96	2.30
41+00	5.47	0.91	2.50
41+50	5.59	1.12	2.31
<b>TOTAL</b>	<b>218.35</b>	<b>55.79</b>	<b>81.13</b>

### STOP BARS & STOP SIGNS

LOCATION	PAVEMENT MARKING REMOVAL	RELOCATE SIGN PANEL TYPE 1	THERMOPLASTIC PAVEMENT MARKING LINE 24"
	SQ FT	SQ FT	FOOT
<b>S. OLD RAND RD.</b>			
16+30 TO 16+43	26	6.25	13
22+32 TO 22+43	20	6.25	10
41+98 TO 42+10	24	6.25	13
<b>TOTAL</b>	<b>70</b>	<b>18.75</b>	<b>36</b>
<b>SURRYSE RD.</b>			
24+11 TO 24+27	32	6.25	16
<b>TOTAL</b>	<b>102</b>	<b>25</b>	<b>52</b>

### DRIVEWAY REPLACEMENT

LOCATION	OFFSET		SUBBASE GRANULAR MATERIAL, TYPE B 6" SQ YD	HOT-MIX ASPHALT BASE COURSE, 6" SQ YD	HOT-MIX ASPHALT BASE COURSE, 8" SQ YD	ASPHALT SURFACE COURSE, MIX "C", N50 TON
	FEET	LT/RT				
<b>S. OLD RAND RD.</b>						
11+00 to 11+92	27	RT	20		20	2.29
12+92	27	RT	14	14		1.57
13+51	27	RT	6	6		0.67
14+30	27	RT	7	7		0.80
14+77	27	RT	4	4		0.45
17+68	27	RT	5	5		0.57
17+90	27	RT	3	3		0.30
18+56	27	RT	4	4		0.50
19+07	27	RT	2	2		0.25
19+65	27	RT	3	3		0.35
20+45	27	RT	5	5		0.52
21+30	27	RT	4	4		0.50
<b>TOTAL</b>			<b>78</b>	<b>58</b>	<b>20</b>	<b>9</b>

FILE NAME =	DESIGNED <i>LSM</i>	REVISED -
USER NAME = TRICE	DRAWN <i>AO</i>	REVISED -
PLOT DATE = 03/28/2011	CHECKED <i>OIU</i>	REVISED -
	DATE <i>03/28/2011</i>	REVISED -



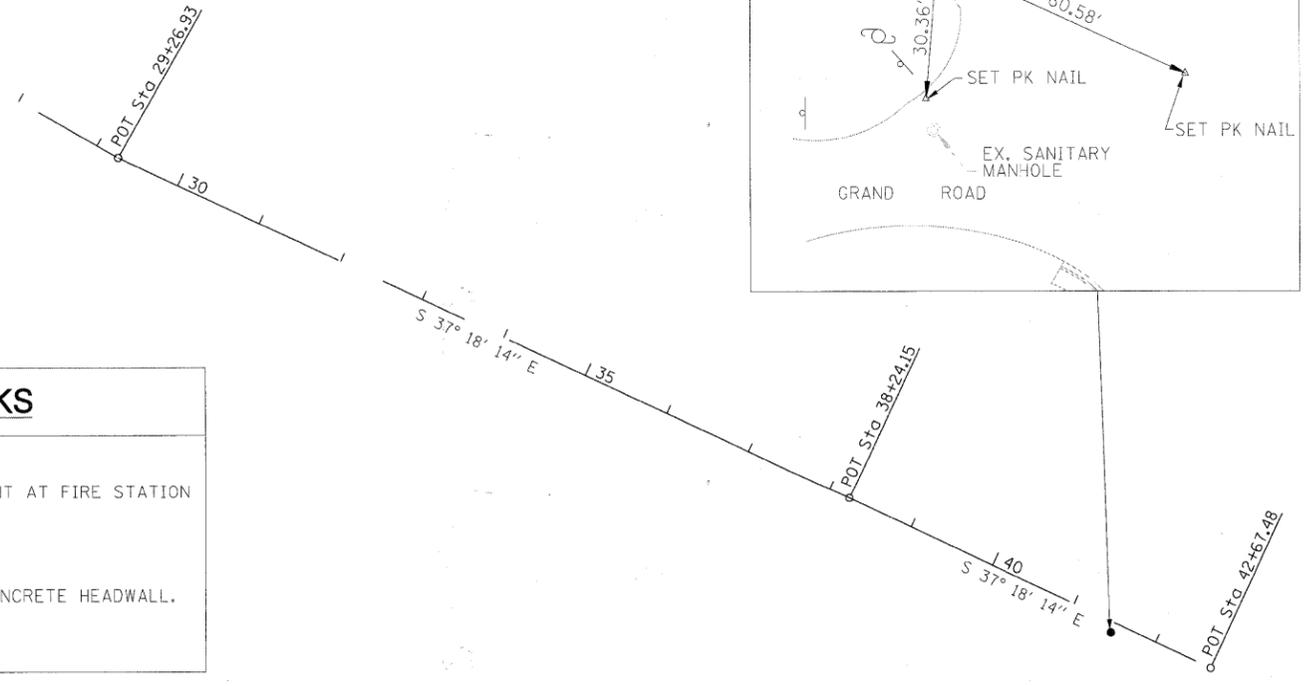
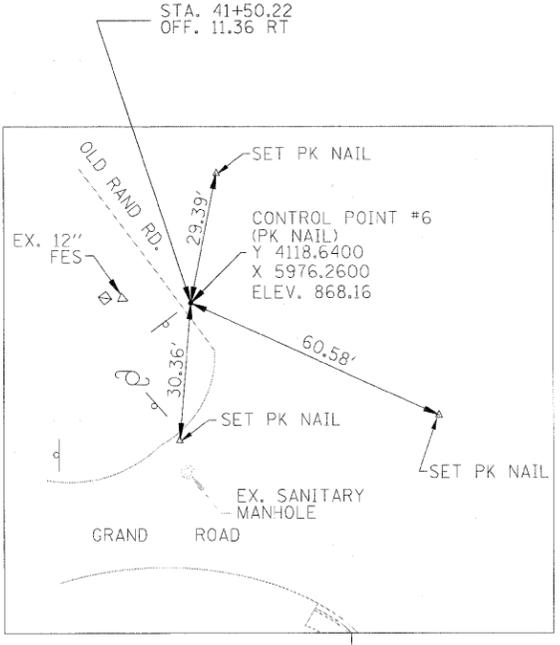
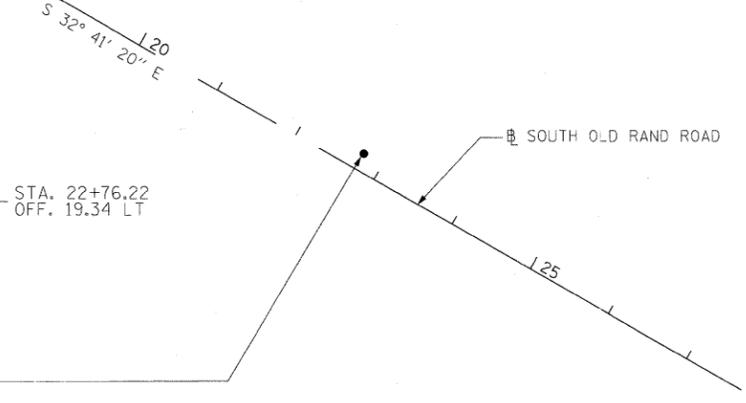
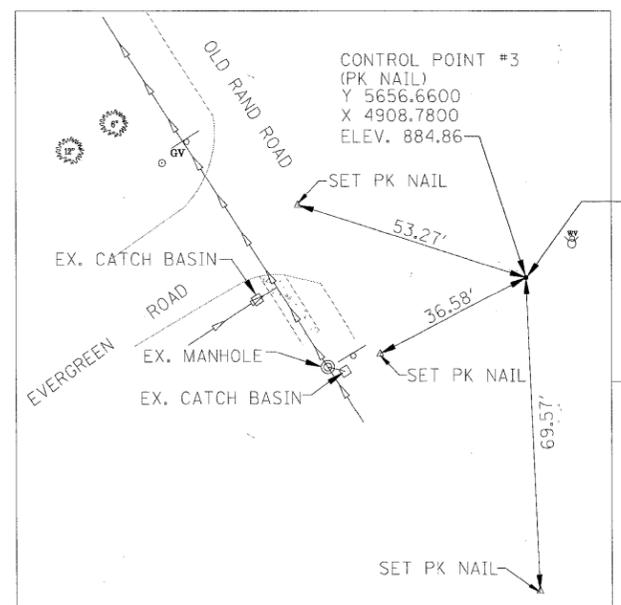
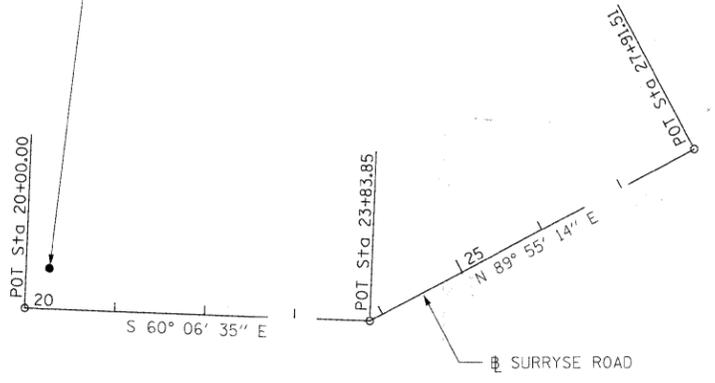
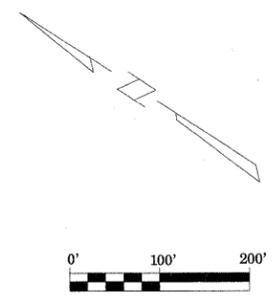
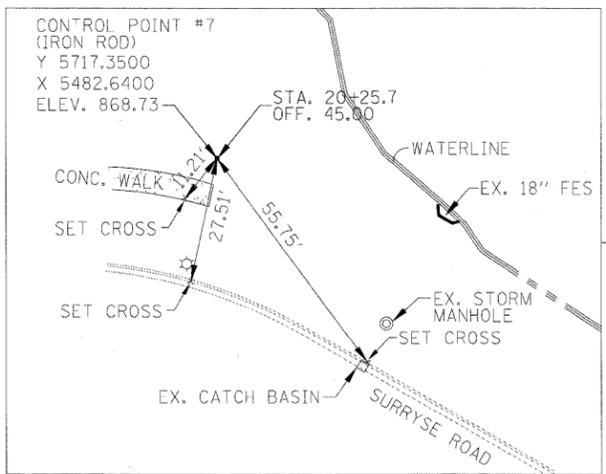
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
SCHEDULES OF QUANTITIES**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.J. RTE. 3504	SECTION 09-0001-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 7
CONTRACT NO. 63589				
ILLINOIS FED. AID PROJECT				

POT Sta 10+00.00



**COORDINATE DATA**

STATION	X	Y	REMARKS
10+00.00	4203.24	6720.30	RAND RD.
29+26.93	5243.93	5098.57	RAND RD.
38+24.15	5787.68	4384.89	RAND RD.
42+67.48	6056.37	4032.25	RAND RD.
20+00.00	5437.93	5691.15	SURRYSE RD.
23+83.85	5770.71	5499.86	SURRYSE RD.
27+91.51	6178.38	5500.43	SURRYSE RD.

**BENCHMARKS**

VILLAGE OF LAKE ZURICH  
BENCHMARK - VOL #1  
VILLAGE OF LAKE ZURICH MONUMENT AT FIRE STATION  
ELEVATION = 871.32

VILLAGE OF LAKE ZURICH  
BENCHMARK - VOL #4  
CUT SQUARE ON NE CORNER OF CONCRETE HEADWALL,  
NORTH HEADWALL.  
ELEVATION = 848.86

FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = 03/28/2011	CHECKED OTU	REVISED -
	DATE 03/28/2011	REVISED -



**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH**  
**ALIGNMENT, TIES AND BENCHMARKS**

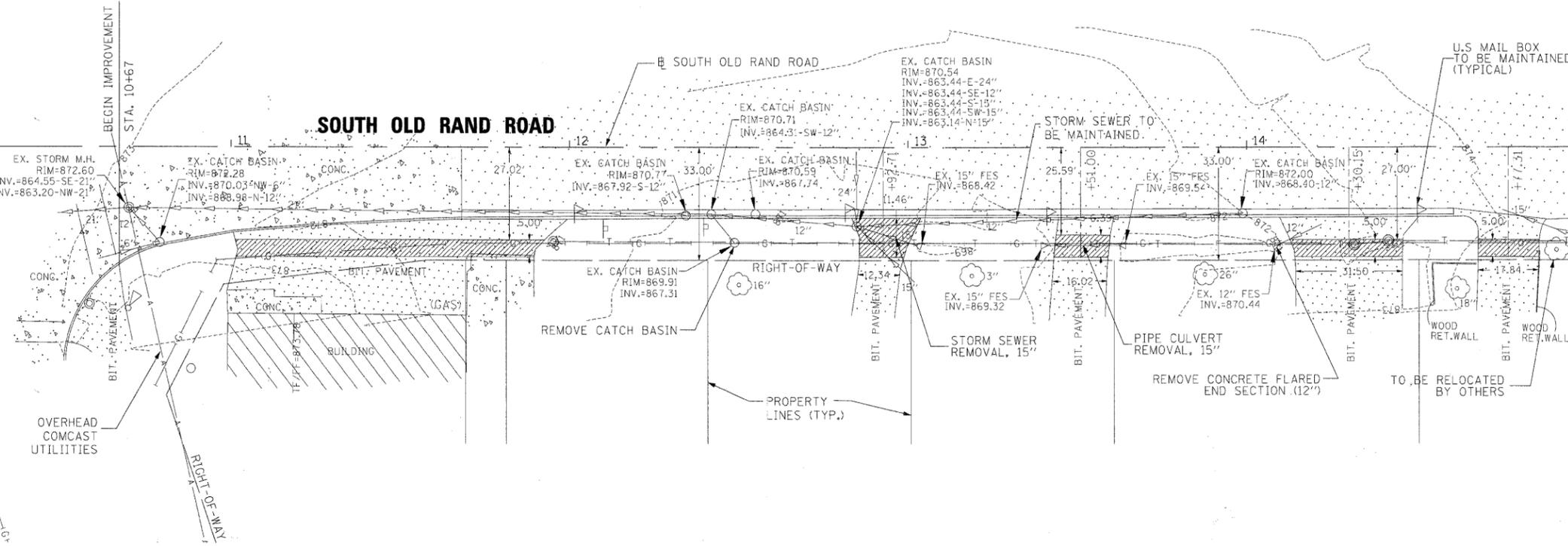
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 8
CONTRACT NO. 63589				
ILLINOIS FED. AID PROJECT				

POT Sta. 10+00.00

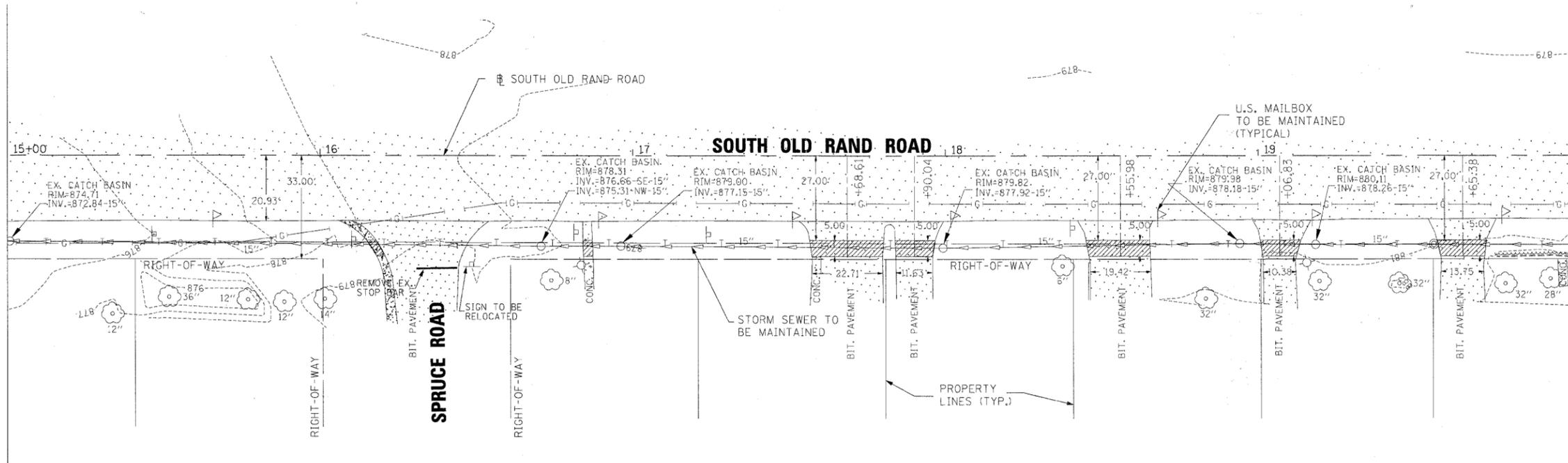
10+00

ILLINOIS ROUTE 22



MATCHLINE STA. 15+00

MATCHLINE STA. 15+00



**LEGEND**

**EXISTING ELEMENTS**

- SANITARY SEWER
- ▽— STORM SEWER
- w— WATERMAIN
- T— TELEPHONE
- ⊙ MANHOLE
- CATCH BASIN
- (WV) VALVE VAULT
- ⊕ FIRE HYDRANT
- ⊠ UTILITY POWER POLE
- (GAS) GAS VALVE/METER
- ⊠ MAILBOX
- ⊠ TRAFFIC SIGN
- ⊠ TRAFFIC LIGHT
- ⊙ 18" TREE W/DIAMETER
- ⊙ UTILITY LIGHT POLE

**REMOVALS**

- ⊗ 18" TREE REMOVAL
- ▨ DRIVEWAY/SIDEWALK PAVEMENT REMOVAL
- ▩ PAVEMENT REMOVAL

FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = 03/28/2011	CHECKED OIU	REVISED -
	DATE 03/28/2011	REVISED -

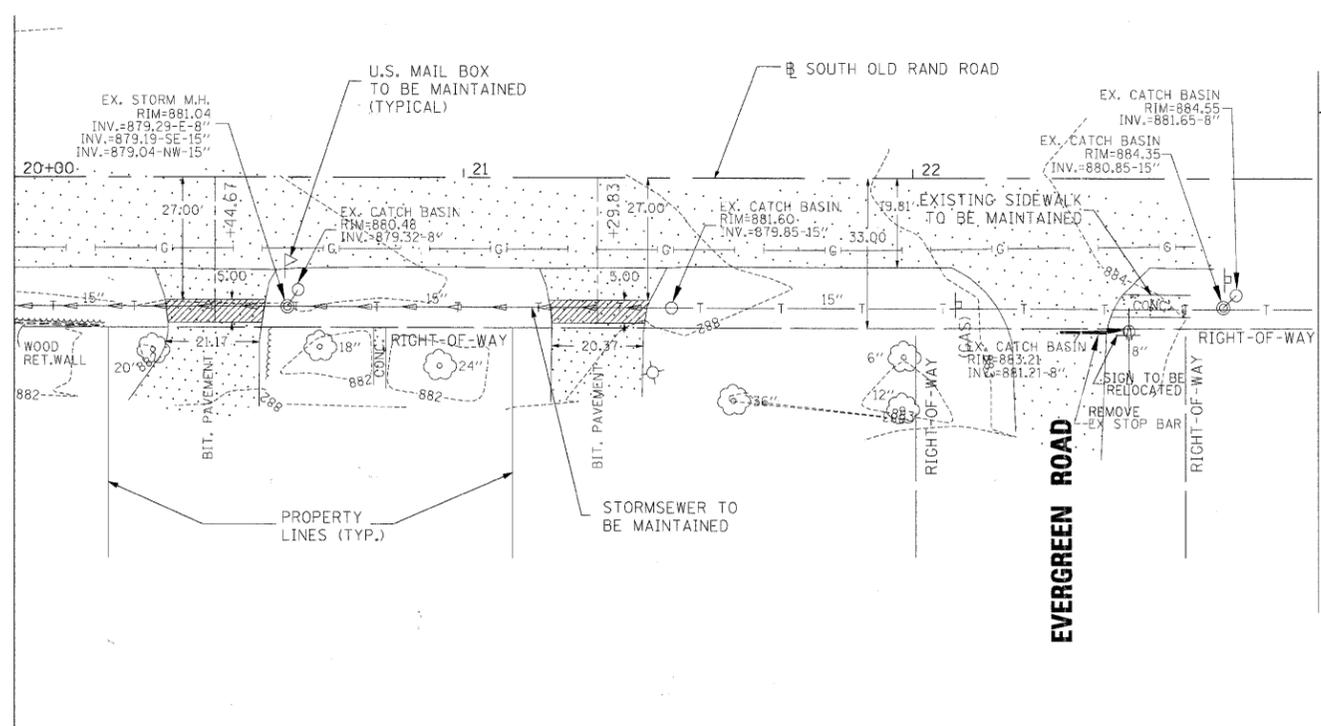


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

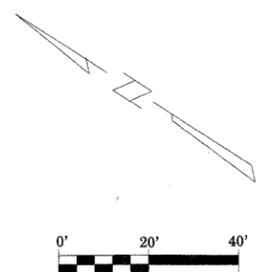
SCALE:	SHEET NO. 1 OF 4 SHEETS	STA. 10+00 TO STA. 20+00
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F.A.U. RTE. 3504	SECTION 09-0071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 9
CONTRACT NO. 63589				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 20+00



WORK OMISSION  
FROM STATION 22+50  
(EVERGREEN ROAD) TO  
STATION 29+00  
(CEDAR ROAD).



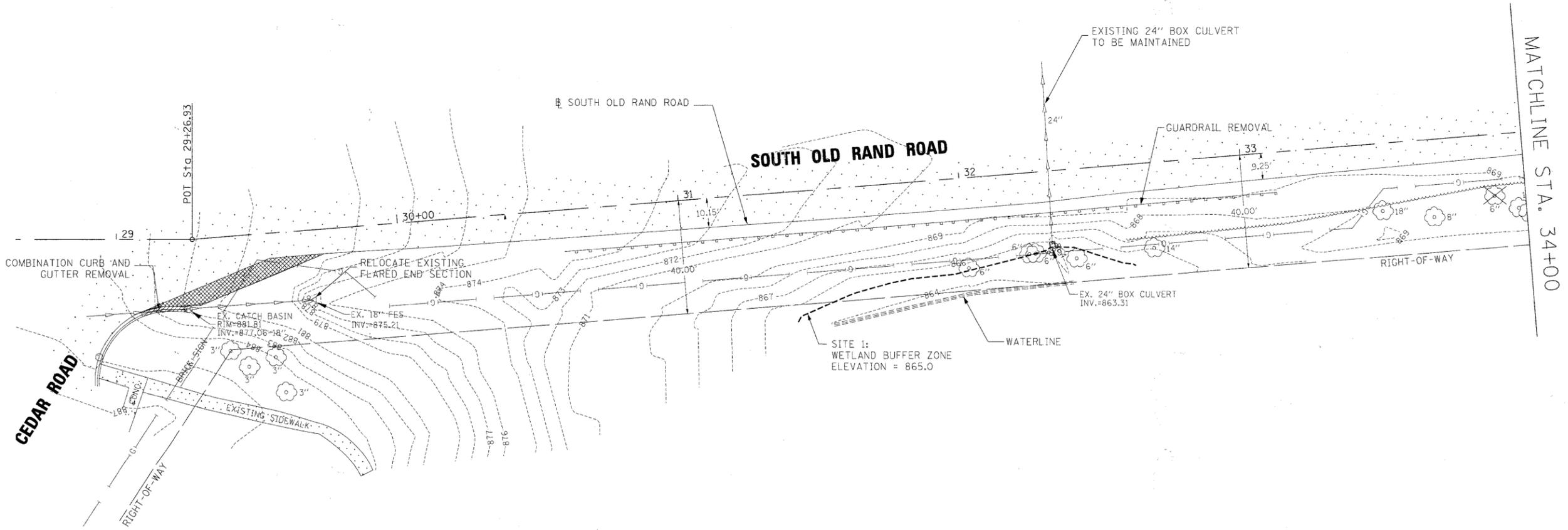
**LEGEND**

**EXISTING ELEMENTS**

- SANITARY SEWER
- STORM SEWER
- w— WATERMAIN
- T— TELEPHONE
- ⊙ MANHOLE
- CATCH BASIN
- (WV) VALVE VAULT
- ⊕ FIRE HYDRANT
- ⊠ UTILITY POWER POLE
- (GAS) GAS VALVE/METER
- ⊠ MAILBOX
- ⊠ TRAFFIC SIGN
- ⊠ TRAFFIC LIGHT
- ⊙ 18" TREE W/DIAMETER
- ⊙ UTILITY LIGHT POLE

**REMOVALS**

- ⊗ 18" TREE REMOVAL
- ▨ DRIVEWAY/SIDEWALK PAVEMENT REMOVAL
- ▩ PAVEMENT REMOVAL



MATCHLINE STA. 34+00

FILE NAME =	DESIGNED <i>LSM</i>	REVISED -
USER NAME = TRICE	DRAWN <i>AO</i>	REVISED -
PLOT DATE = 03/28/2011	CHECKED <i>OTU</i>	REVISED -
	DATE <i>03/28/2011</i>	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>VILLAGE OF LAKE ZURICH REMOVAL PLAN - SOUTH OLD RAND ROAD</b>	
SCALE:	STATION 20+00 TO STATION 34+00

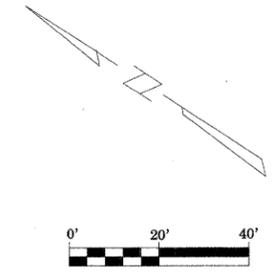
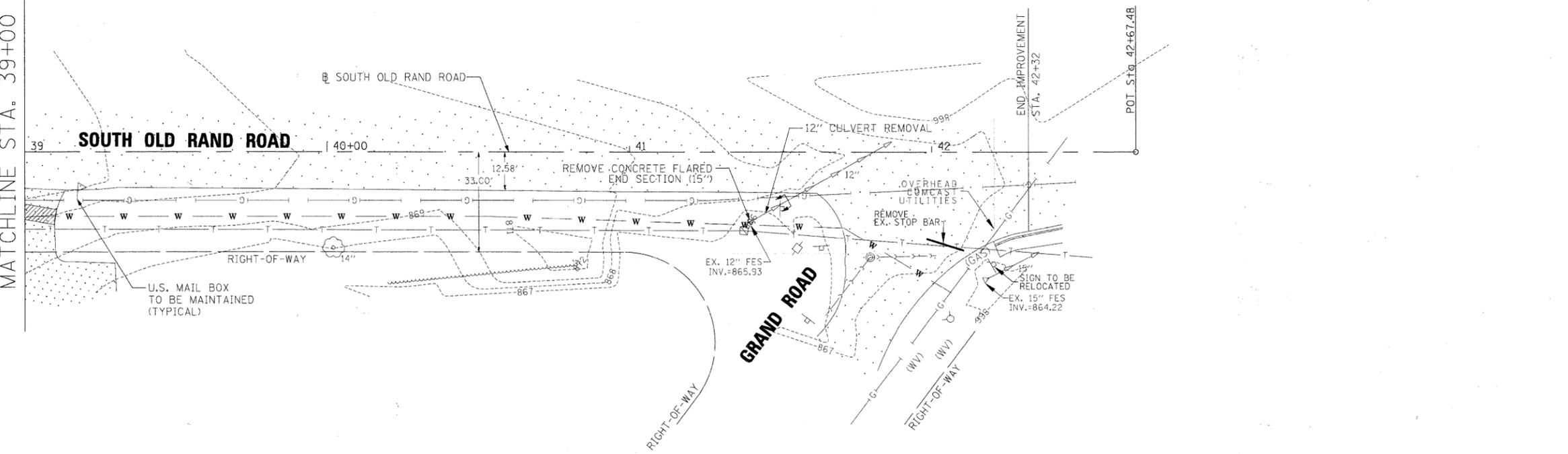
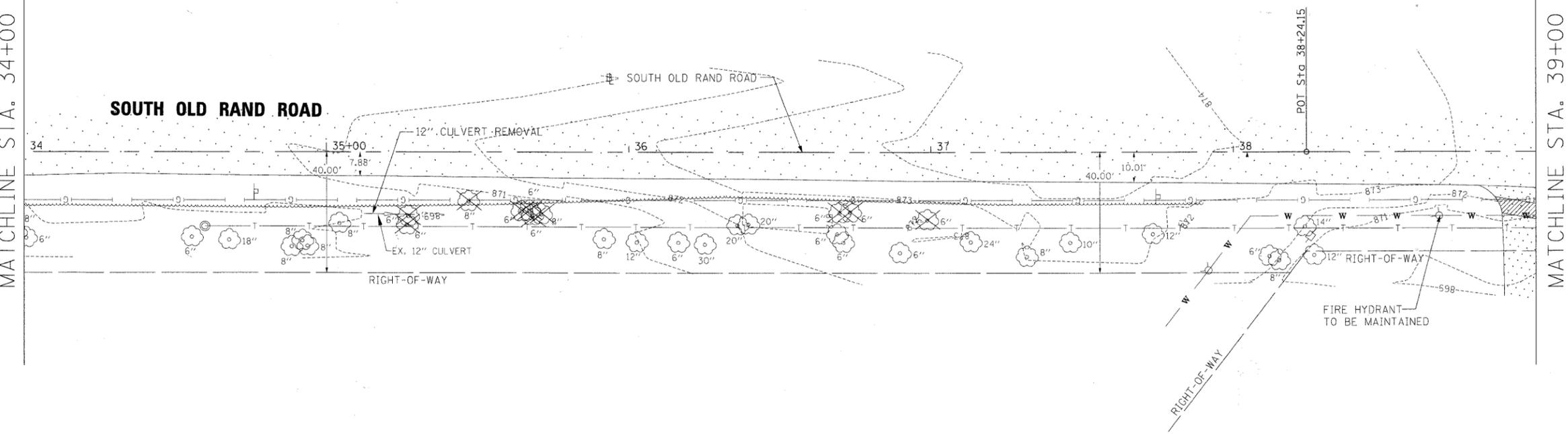
F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 10
CONTRACT NO. 63589				
[ILLINOIS] FED. AID PROJECT				

MATCHLINE STA. 34+00

MATCHLINE STA. 39+00

**SOUTH OLD RAND ROAD**

**SOUTH OLD RAND ROAD**



**LEGEND**

**EXISTING ELEMENTS**

- >—>—> SANITARY SEWER
- >—>—> STORM SEWER
- w— WATERMAIN
- T— TELEPHONE
- ⊙ MANHOLE
- CATCH BASIN
- (WV) VALVE VAULT
- ⊕ FIRE HYDRANT
- ⊠ UTILITY POWER POLE
- (GAS) GAS VALVE/METER
- ⊏ MAILBOX
- ⊏ TRAFFIC SIGN
- ⊏ TRAFFIC LIGHT
- ⊕ 18" TREE W/DIAMETER
- ⊕ UTILITY LIGHT POLE

**REMOVALS**

- ⊕ 18" TREE REMOVAL
- ▨ DRIVEWAY/SIDEWALK PAVEMENT REMOVAL
- ▩ PAVEMENT REMOVAL

FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = 03/28/2011	CHECKED OIU	REVISED -
	DATE 03/28/2011	REVISED -

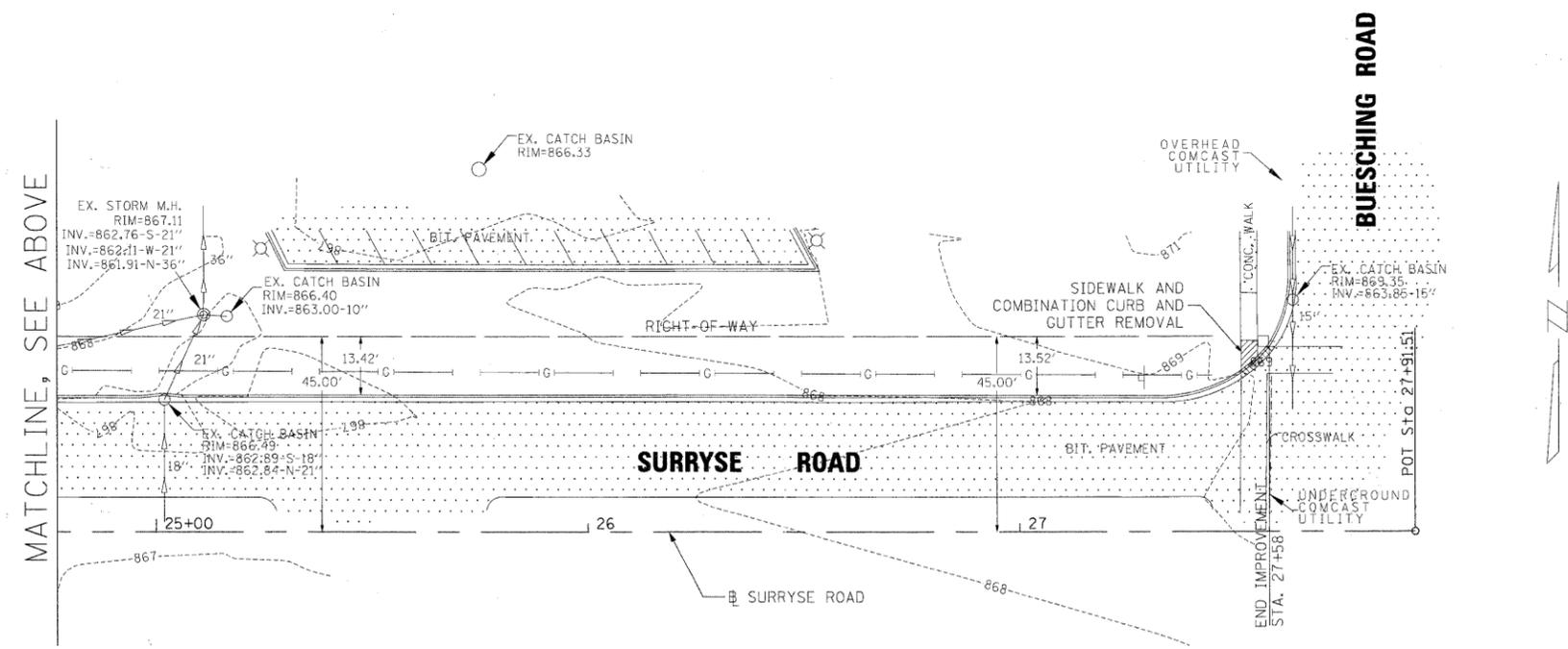
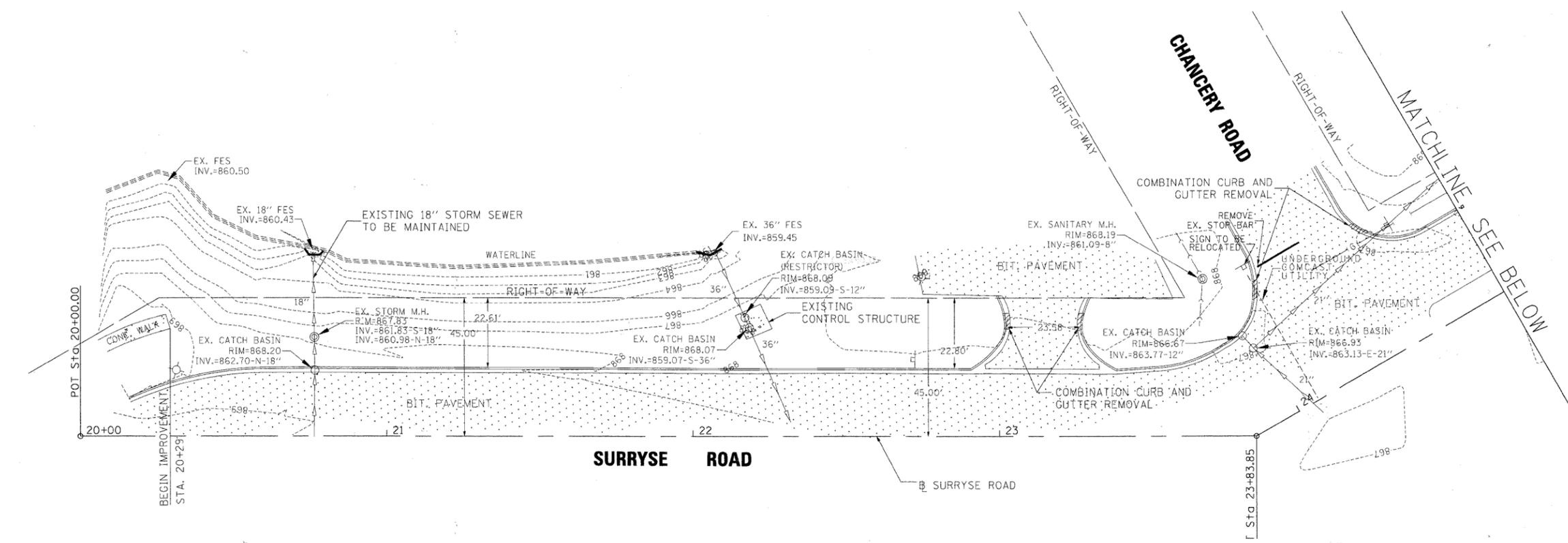
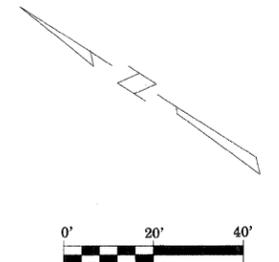


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
REMOVAL PLAN - SOUTH OLD RAND ROAD**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. 34+00 TO STA. 42+67.48

F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 11
				CONTRACT NO. 63589
ILLINOIS FED. AID PROJECT				



LEGEND	
<b>EXISTING ELEMENTS</b>	
	SANITARY SEWER
	STORM SEWER
	WATERMAIN
	TELEPHONE
	MANHOLE
	CATCH BASIN
	VALVE VAULT
	FIRE HYDRANT
	UTILITY POWER POLE
	GAS VALVE/METER
	MAILBOX
	TRAFFIC SIGN
	TRAFFIC LIGHT
	18" TREE W/DIAMETER
	UTILITY LIGHT POLE
<b>REMOVALS</b>	
	18" TREE REMOVAL
	DRIVEWAY/SIDEWALK PAVEMENT REMOVAL
	PAVEMENT REMOVAL

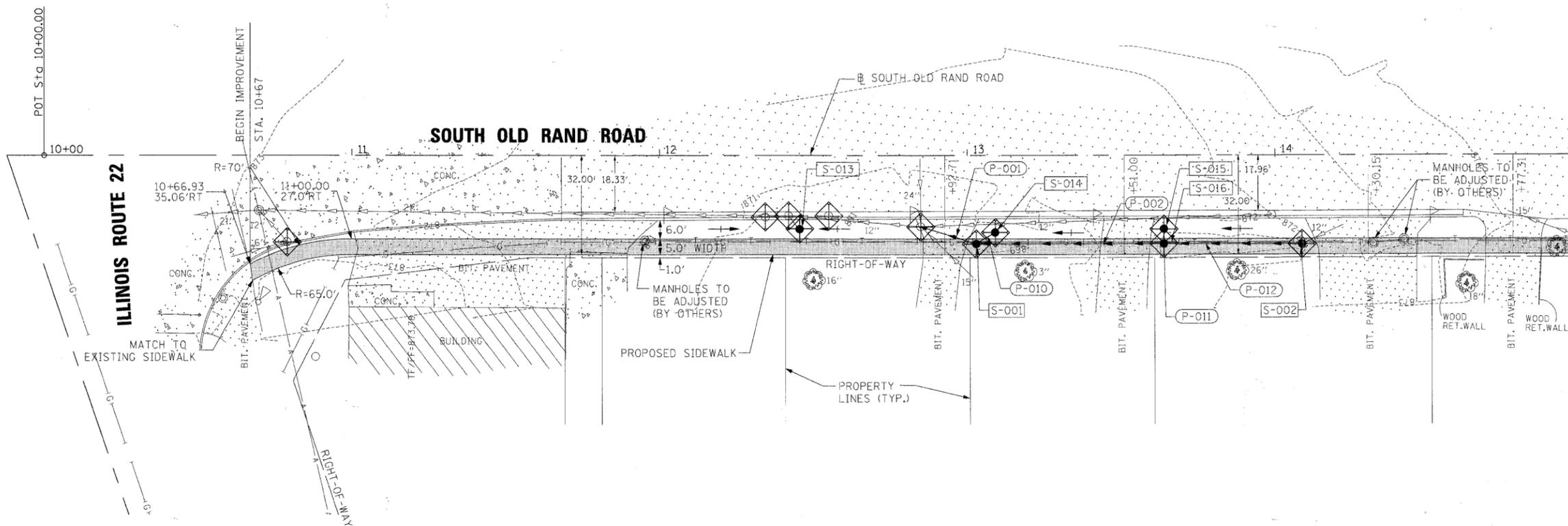
FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = 03/28/2011	CHECKED OIU	REVISED -
	DATE 03/28/2011	REVISED -



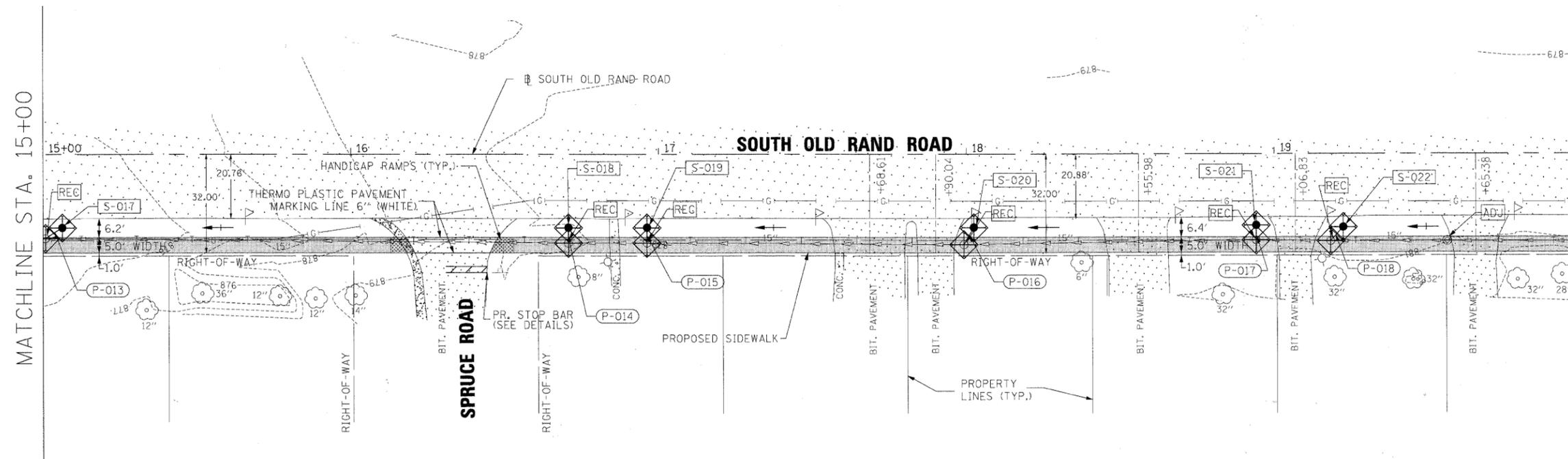
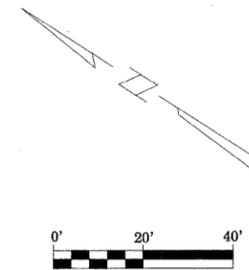
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>VILLAGE OF LAKE ZURICH REMOVAL PLAN - SURRYSE ROAD</b>			
SCALE:	SHEET NO. 4 OF 4 SHEETS	STA. 20+00 TO STA. 27+51.23	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3504	09-00071-00-SW	LAKE	27	12
CONTRACT NO. 63589			ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 15+00



MATCHLINE STA. 20+00

LEGEND	
PROPOSED ELEMENTS	
	CATCH BASIN
	STORM SEWER
	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID
	HANDICAP RAMP
	SIDEWALK
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION

FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = 03/28/2011	CHECKED OIU	REVISED -
	DATE 03/28/2011	REVISED -



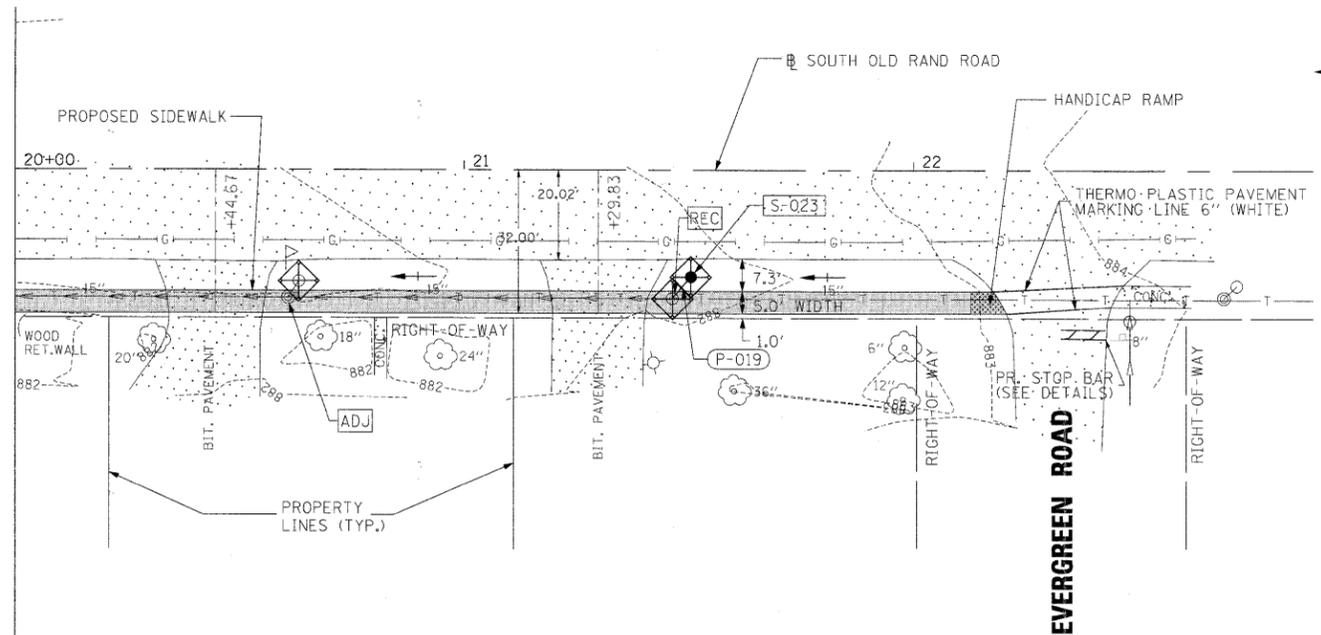
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF LAKE ZURICH  
SIDEWALK PLAN - SOUTH OLD RAND ROAD

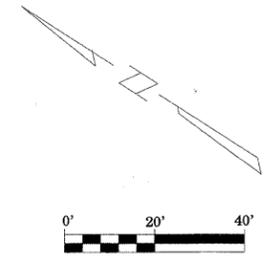
SCALE: SHEET NO. 1 OF 4 SHEETS STA. 10+00 TO STA. 20+00

F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 13
CONTRACT NO. 63589			ILLINOIS FED. AID PROJECT	

MATCHLINE STA. 20+00



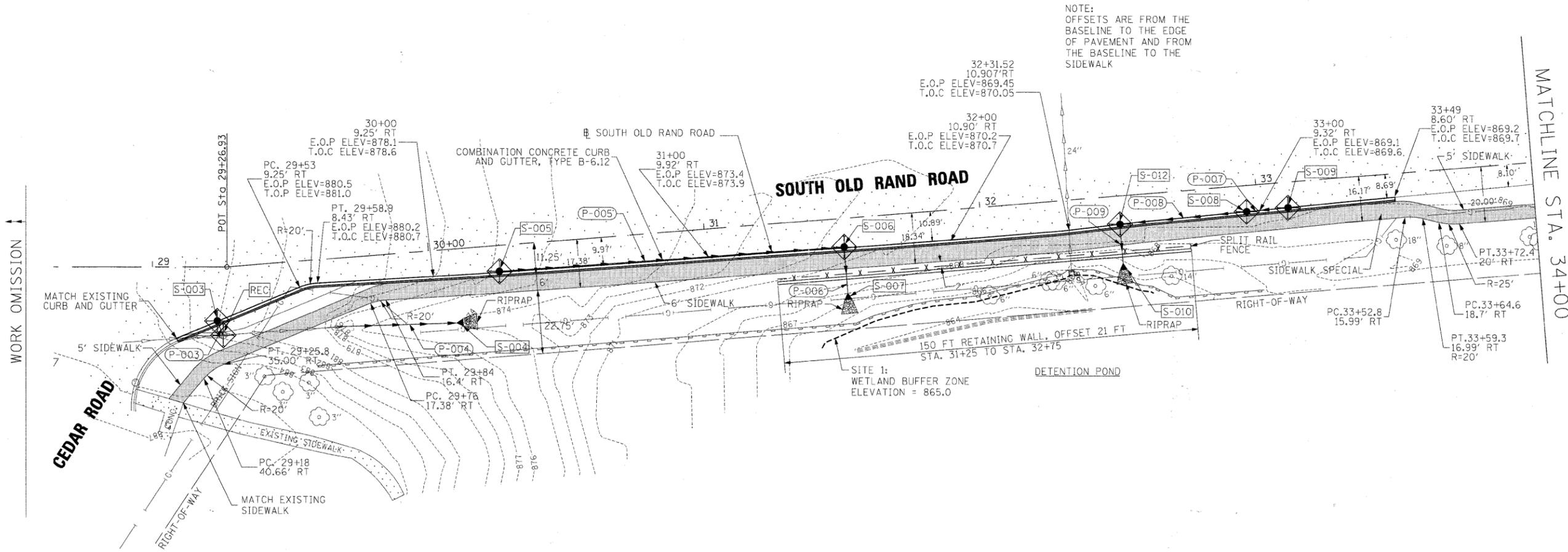
WORK OMISSION  
FROM STATION 22+50  
(EVERGREEN ROAD) TO  
STATION 29+00  
(CEDAR ROAD).



**LEGEND**

PROPOSED ELEMENTS

- CATCH BASIN
- STORM SEWER
- ADJ CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
- REC CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID
- Handicap Ramp Symbol HANDICAP RAMP
- Sidewalk Symbol SIDEWALK
- Perimeter Erosion Barrier Symbol PERIMETER EROSION BARRIER
- Inlet and Pipe Protection Symbol INLET AND PIPE PROTECTION



NOTE:  
OFFSETS ARE FROM THE  
BASELINE TO THE EDGE  
OF PAVEMENT AND FROM  
THE BASELINE TO THE  
SIDEWALK

MATCHLINE STA. 34+00

FILE NAME =	DESIGNED <i>LSM</i>	REVISED -
USER NAME = TRICE	DRAWN <i>AO</i>	REVISED -
PLOT DATE = 03/28/2011	CHECKED <i>OTU</i>	REVISED -
	DATE <i>03/28/2011</i>	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

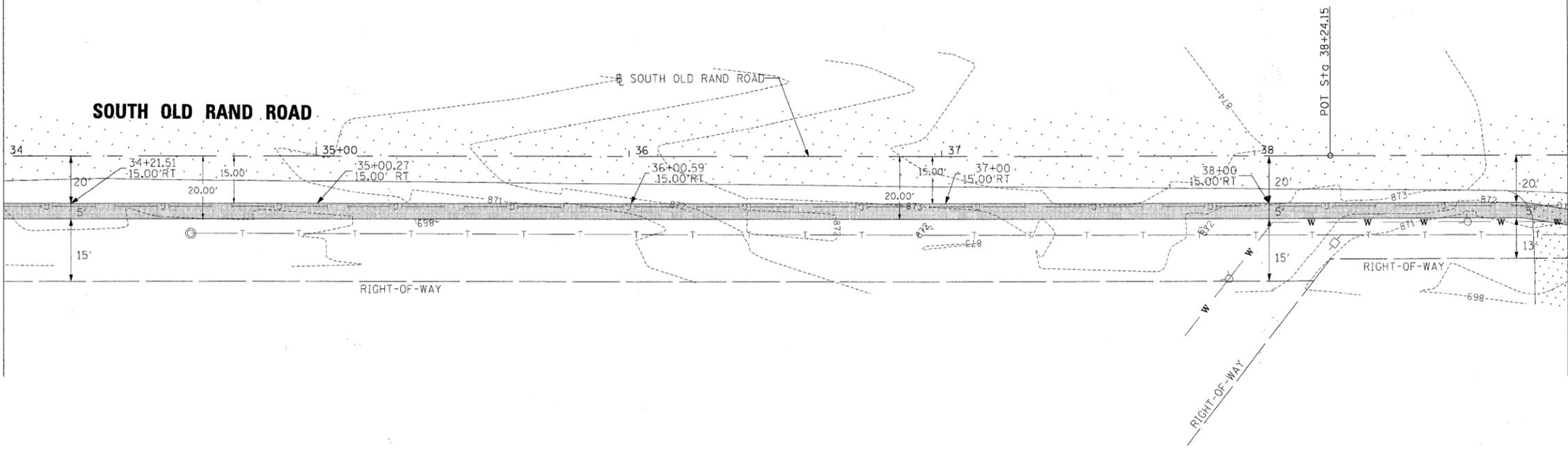
<b>VILLAGE OF LAKE ZURICH SIDEWALK PLAN - SOUTH OLD RAND ROAD</b>			
SCALE:	SHEET NO. 2 OF 4 SHEETS	STA. 20+00 TO STA. 34+00	

F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 14
CONTRACT NO. 63589				
ILLINOIS FED. AID PROJECT				

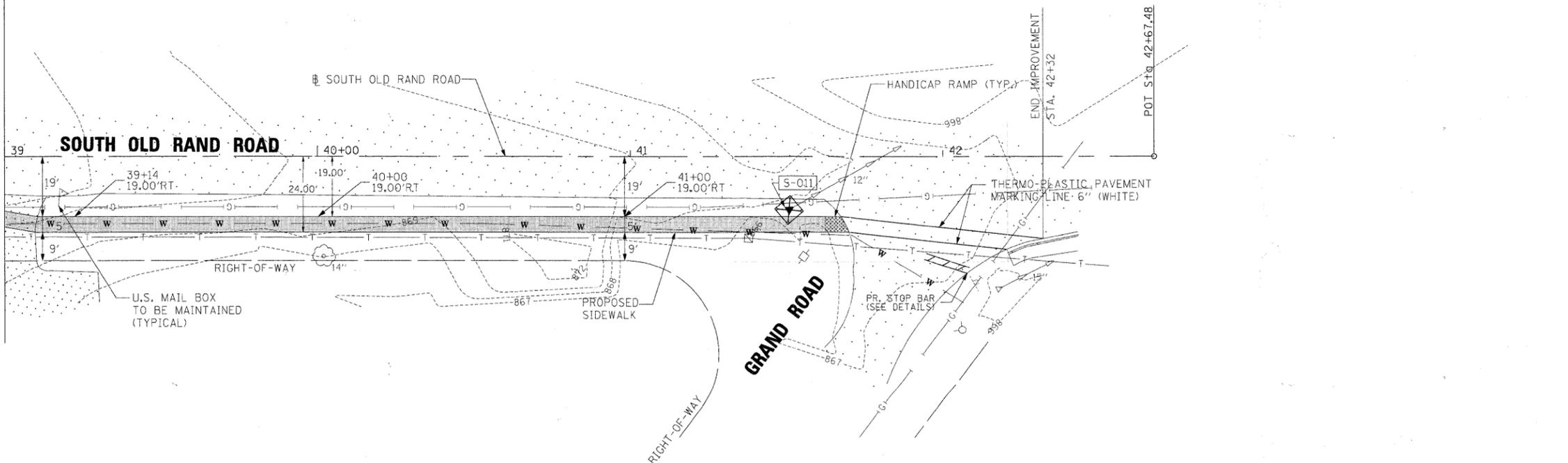
MATCHLINE STA. 34+00

MATCHLINE STA. 39+00

### SOUTH OLD RAND ROAD



### SOUTH OLD RAND ROAD



LEGEND	
PROPOSED ELEMENTS	
	CATCH BASIN
	STORM SEWER
	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID
	HANDICAP RAMP
	SIDEWALK
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION

FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = 03/28/2011	CHECKED OIU	REVISED -
	DATE 03/28/2011	REVISED -

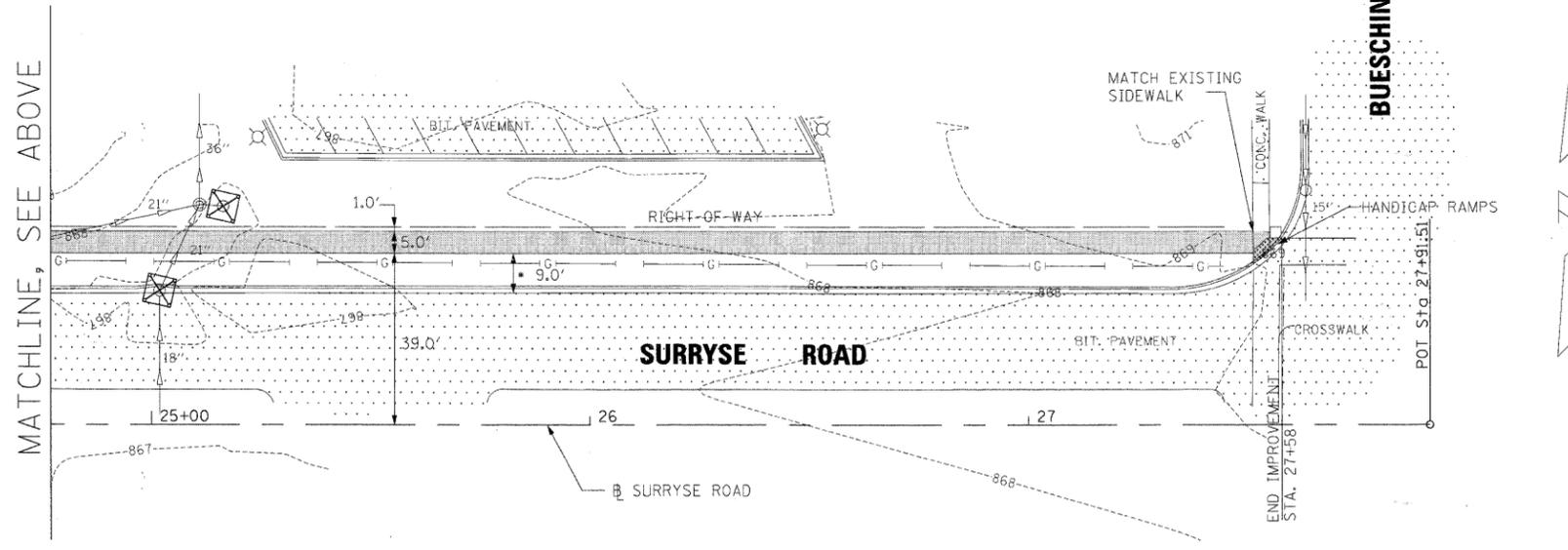
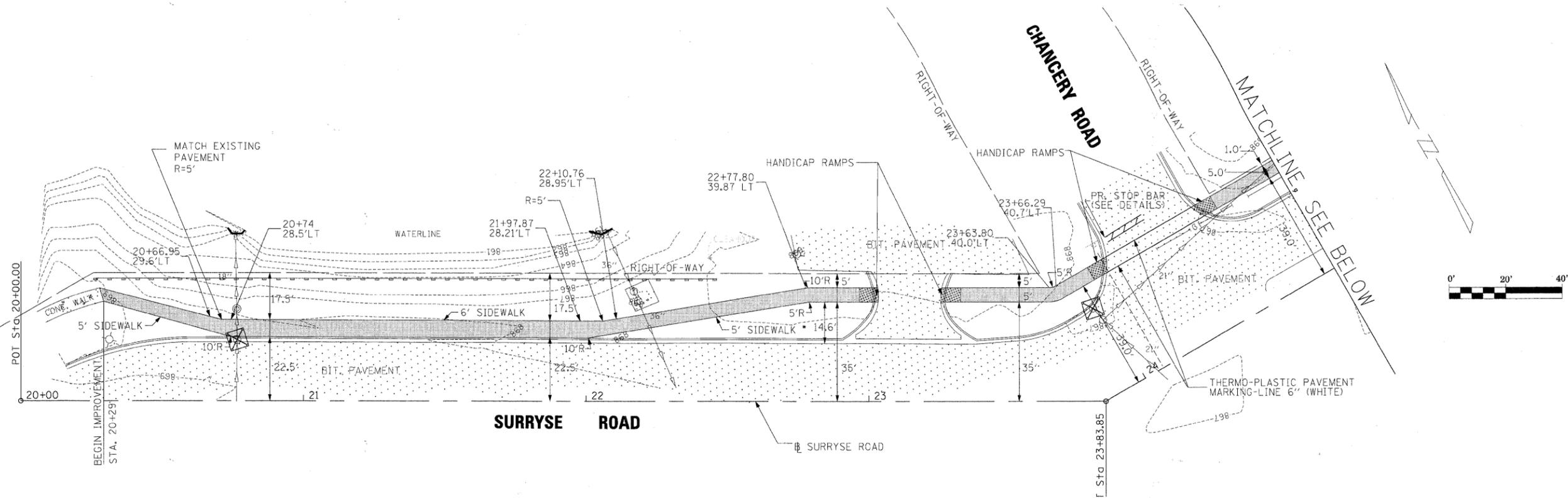


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
SIDEWALK PLAN - SOUTH OLD RAND ROAD**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. 34+00 TO STA. 42+67.48

F.A.J. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 15
				CONTRACT NO. 63589
ILLINOIS FED. AID PROJECT				



LEGEND	
PROPOSED ELEMENTS	
	CATCH BASIN
	STORM SEWER
	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID
	HANDICAP RAMP
	SIDEWALK
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION

FILE NAME =	DESIGNED <i>LSM</i>	REVISED -
USER NAME = TRICE	DRAWN <i>AO</i>	REVISED -
PLOT DATE = 03/28/2011	CHECKED <i>OIU</i>	REVISED -
	DATE <i>03/28/2011</i>	REVISED -



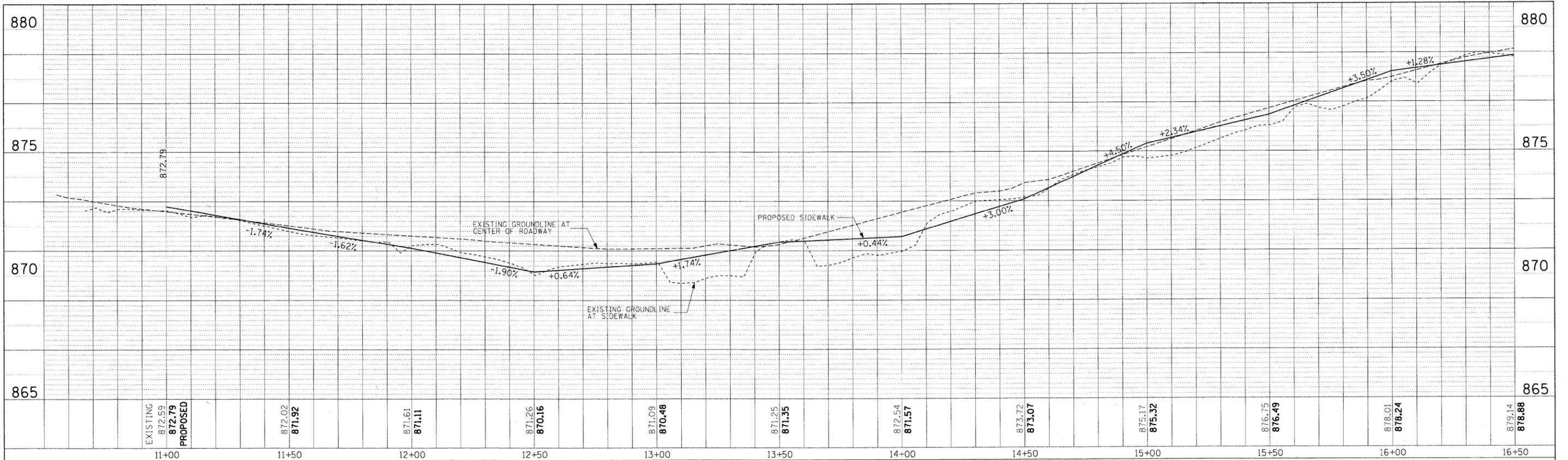
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
SIDEWALK PLAN - SURRYSE ROAD**

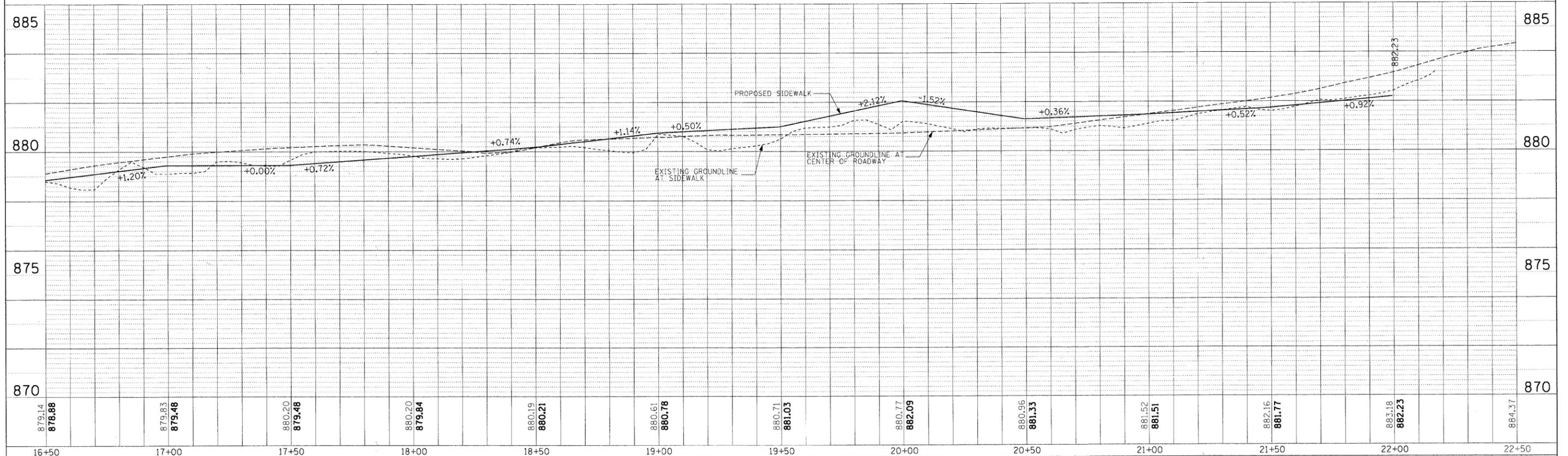
SCALE: SHEET NO. 4 OF 4 SHEETS STA. 20+00 TO STA. 27+51.23

F.A.J. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 16
CONTRACT NO. 63589				
ILLINOIS FED. AID PROJECT				

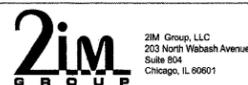
PLAN	SUBMITTED	DATE
	ALIGNED	
	NOTED	
	CHECKED	
	FILED	
	NO.	



PROFILE	SUBMITTED	DATE
	GRADES CHECKED	
	PLOTTED	
	FILED	
	NO.	



FILE NAME	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN A0	REVISED -
PLOT DATE = 03/28/2011	CHECKED OTU	REVISED -
	DATE 03/28/2011	REVISED -



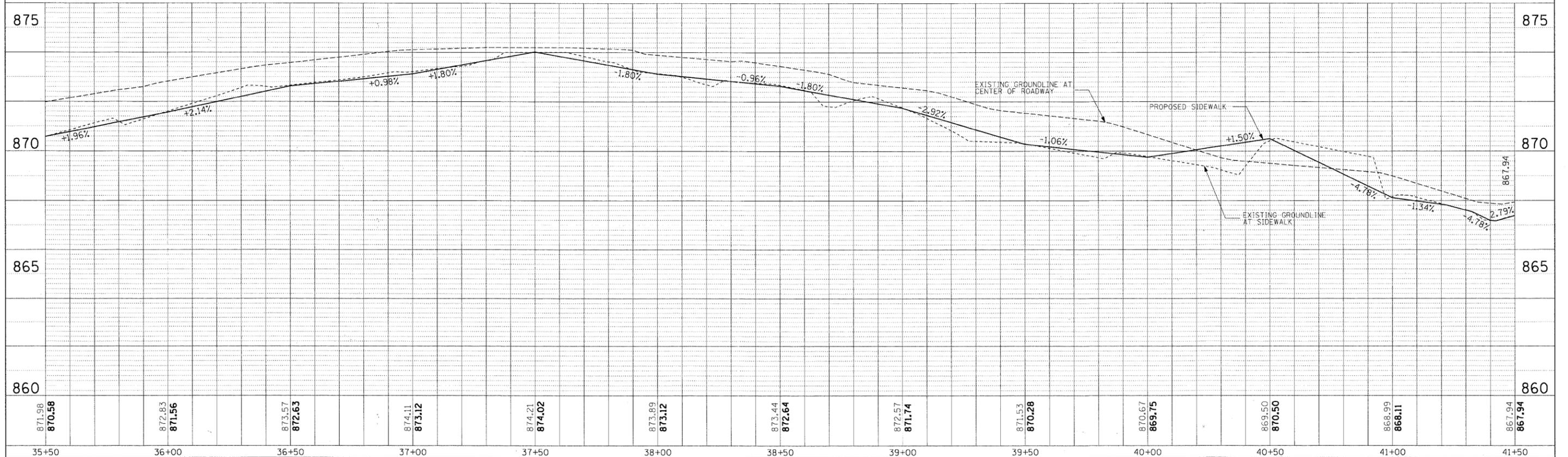
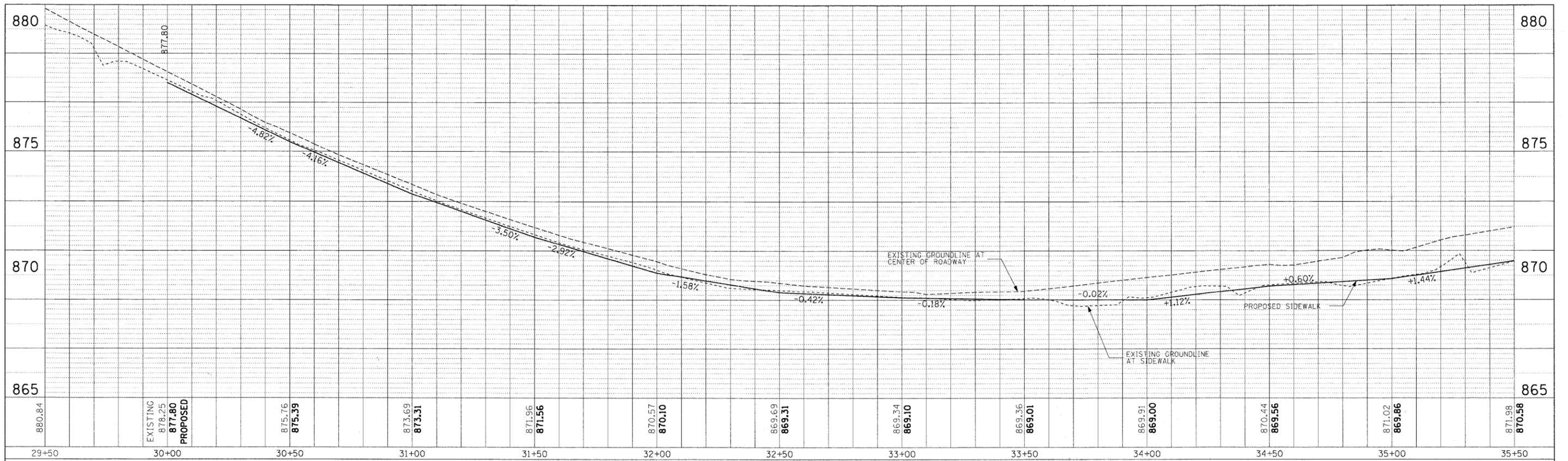
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF LAKE ZURICH	
SOUTH OLD RAND ROAD PROFILE	
SCALE: 1:20H 1:2V	SHEET NO. 1 OF 3 SHEETS
STA. 11+00	TO STA. 22+50

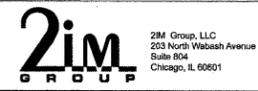
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3504	09-00071-00-SW	LAKE	27	17
CONTRACT NO. 63589			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NO.		



FILE NAME =	DESIGNED <i>LSM</i>	REVISED -
USER NAME = TRICE	DRAWN <i>AO</i>	REVISED -
PLOT DATE = 03/28/2011	CHECKED <i>OJU</i>	REVISED -
	DATE <i>03/28/2011</i>	REVISED -



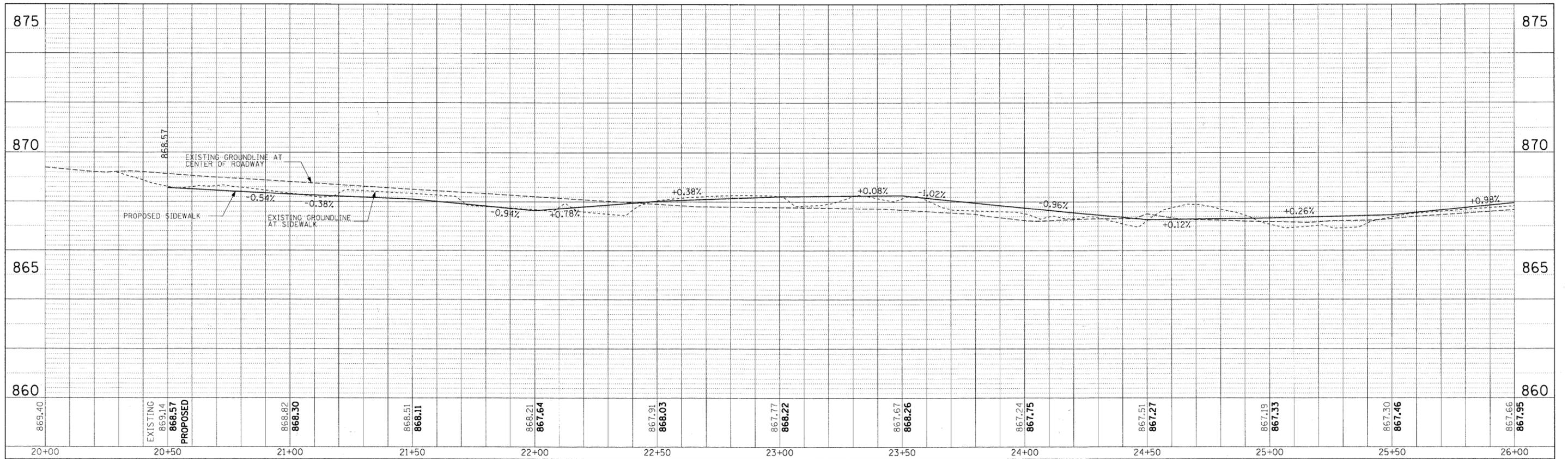
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
SOUTH OLD RAND ROAD PROFILE**

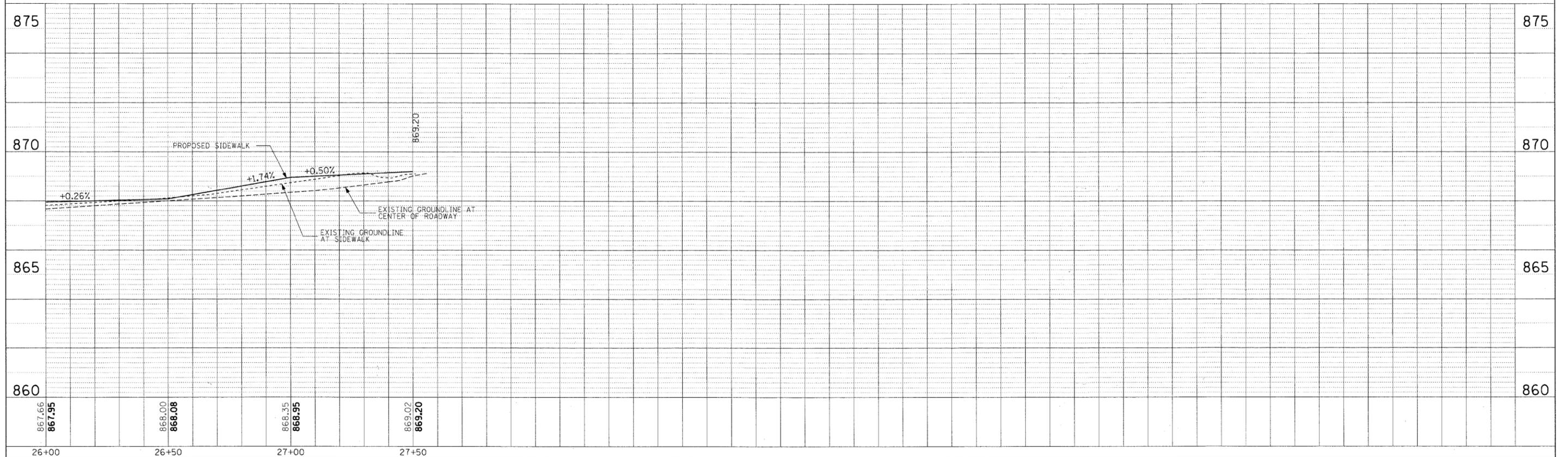
SCALE: 1:20 H 1:2V    SHEET NO. 2 OF 3 SHEETS    STA. 29+50 TO STA. 41+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3504	09-00071-00-SW	LAKE	27	18
CONTRACT NO. 63589			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	ALIGNED	BY
	NOTED	
	CADD FILE NAME	



PROFILE	DESIGNED	DATE
	GRADES CHECKED	BY
	STRUCTURE NOTATIONS GRND	



FILE NAME =	DESIGNED LSM	REVISED -
	DRAWN AO	REVISED -
	CHECKED OIU	REVISED -
PLOT DATE = 03/28/2011	DATE 03/28/2011	REVISED -

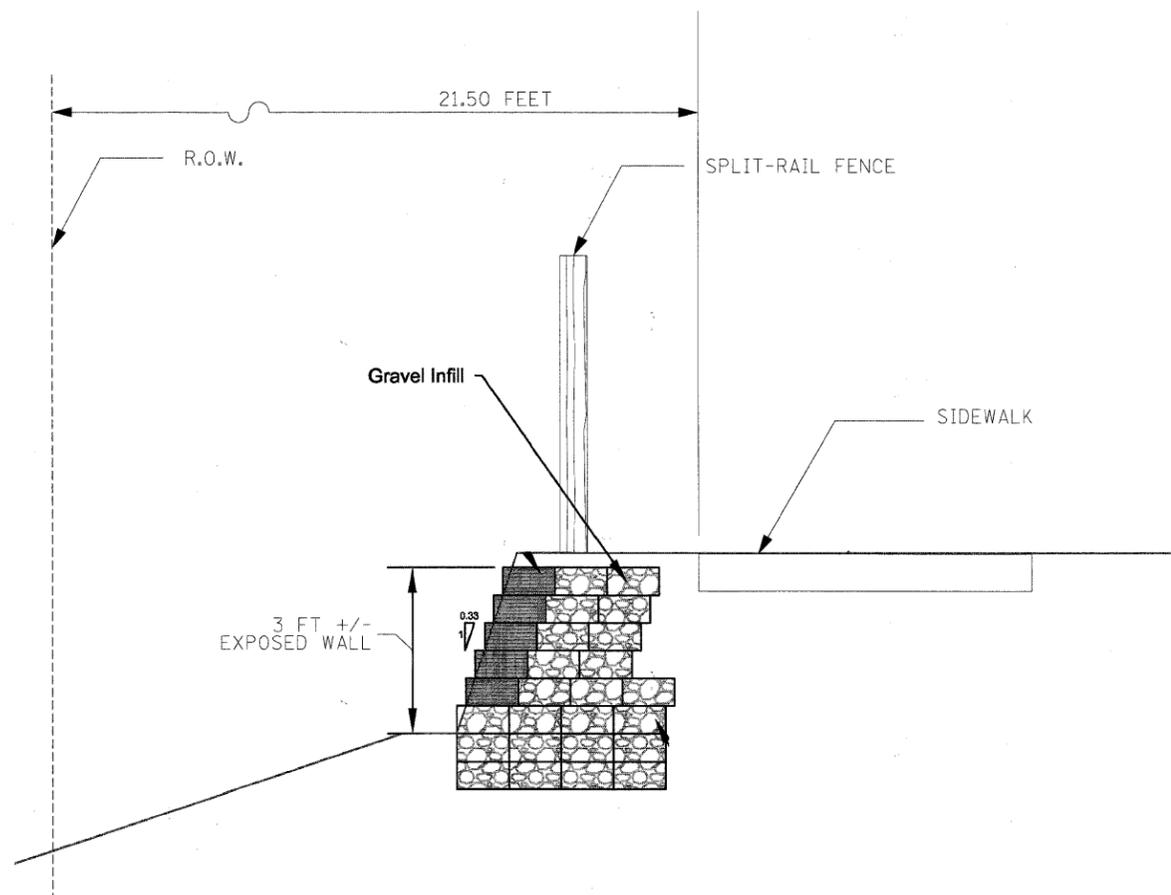


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

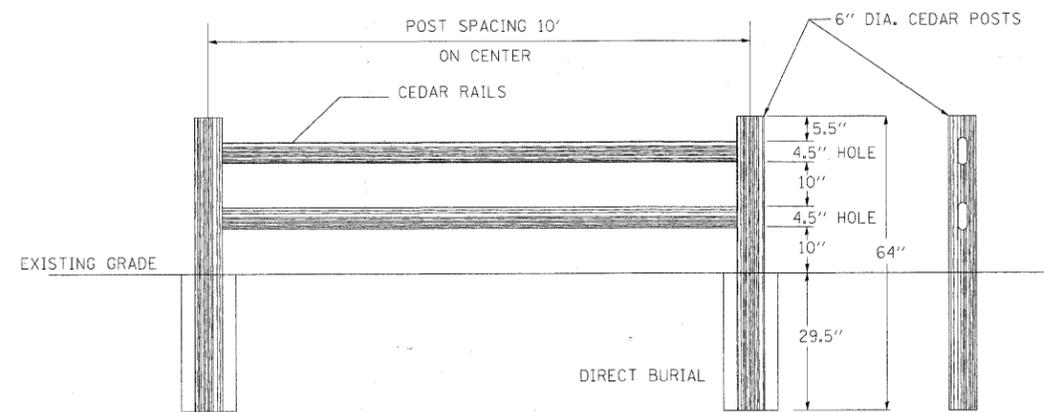
VILLAGE OF LAKE ZURICH  
SURREYSE SIDEWALK PROFILE

SCALE: 1:20H 1:2V SHEET NO. 3 OF 3 SHEETS STA. 20+00 TO STA. 27+50

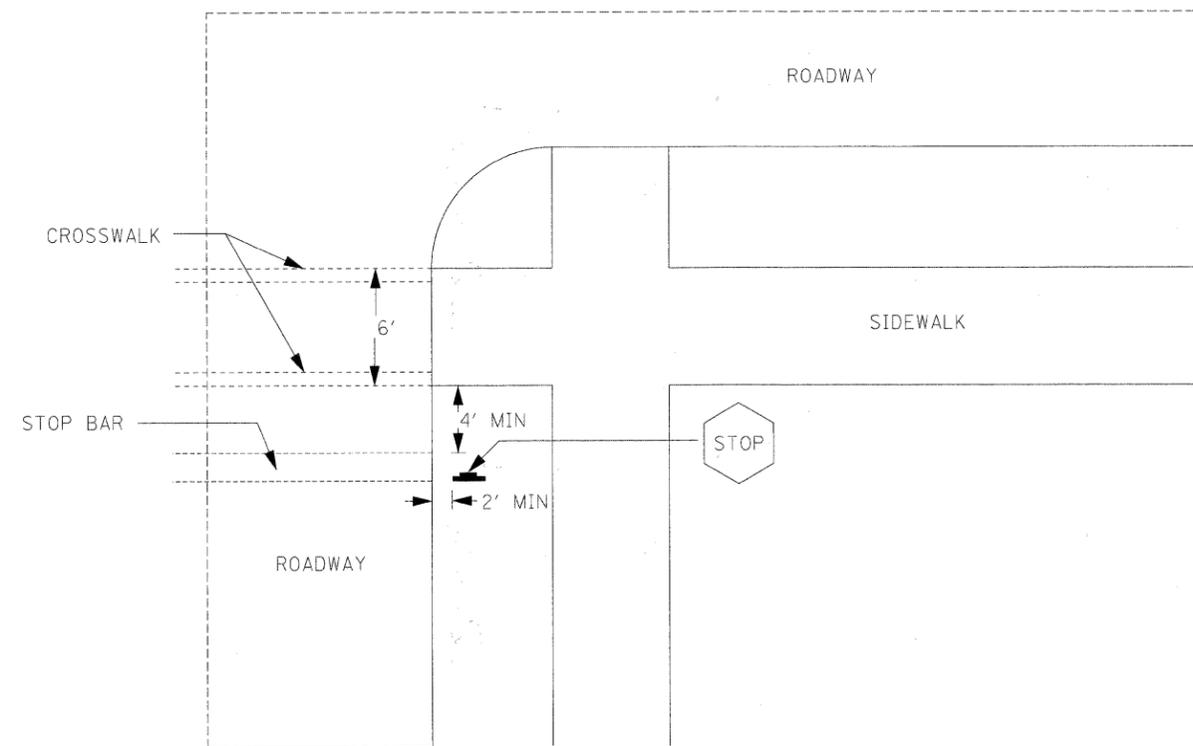
F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 19
				CONTRACT NO. 63589
ILLINOIS FED. AID PROJECT				



RETAINING WALL  
NOT TO SCALE



SPLIT-RAIL FENCE DETAIL  
NOT TO SCALE



STOP BAR DETAIL  
NOT TO SCALE

FILE NAME =	DESIGNED LSM	REVISED -
	DRAWN AO	REVISED -
USER NAME = TRICE	CHECKED OIU	REVISED -
PLOT DATE = 03/28/2011	DATE 03/28/2011	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

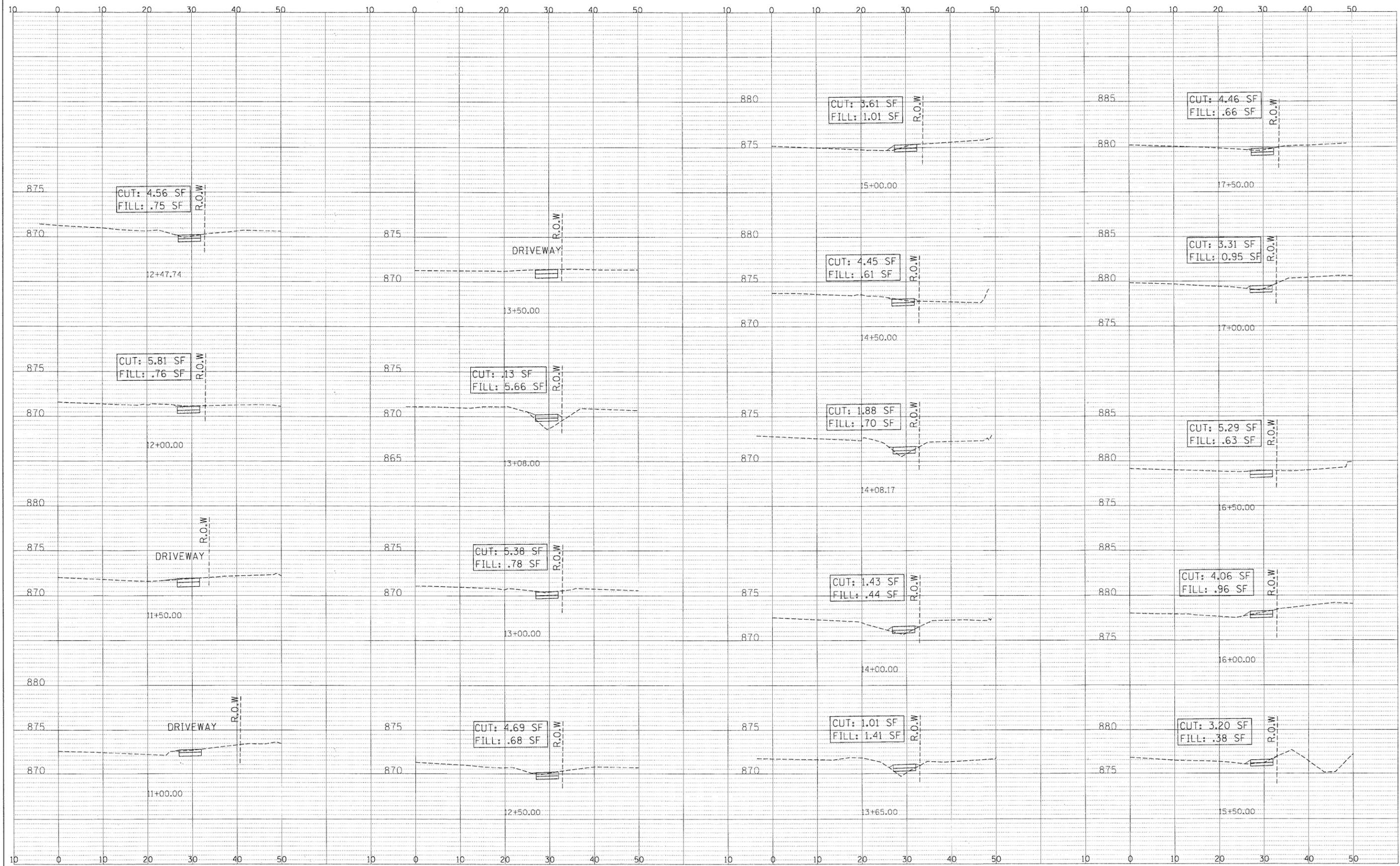
VILLAGE OF LAKE ZURICH  
RETAINING WALL & FENCE DETAILS

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3504	09-00071-00-SW	LAKE	27	20
CONTRACT NO. 63589			ILLINOIS FED. AID PROJECT	







FILE NAME =	DESIGNED <i>LSM</i>	REVISED -
USER NAME = TRICE	DRAWN <i>AO</i>	REVISED -
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	DATE <i>12/30/2010</i>	REVISED -

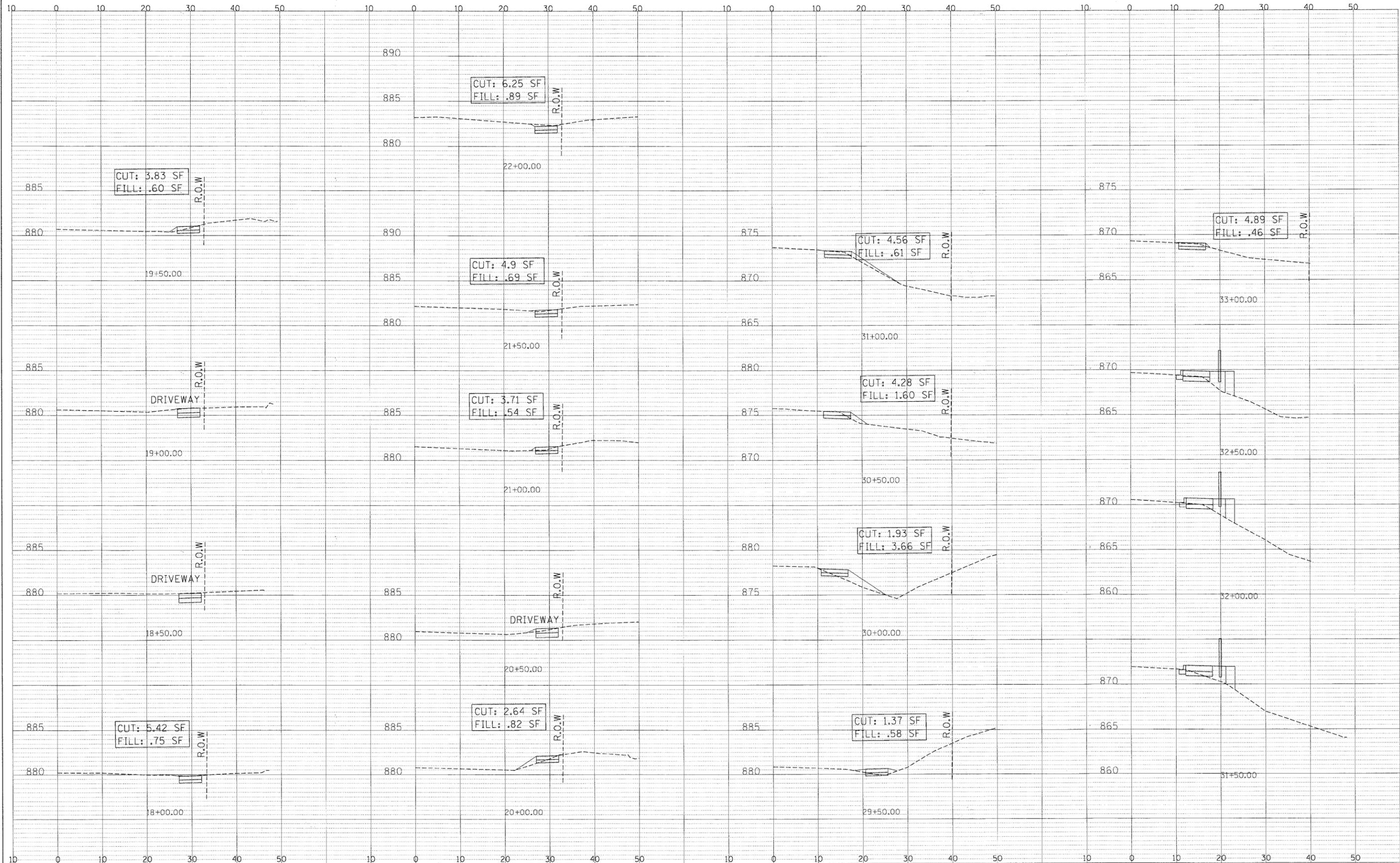


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
CROSS SECTIONS**

SCALE: V: 1"=10', H: 1"=5' SHEET NO. 1 OF 4 SHEETS

F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 23
CONTRACT NO. 63589				
ILLINOIS FED. AID PROJECT				



FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = xx/xx/xxxx	CHECKED OIU	REVISED -
	DATE 12/30/2010	REVISED -

**2im GROUP**

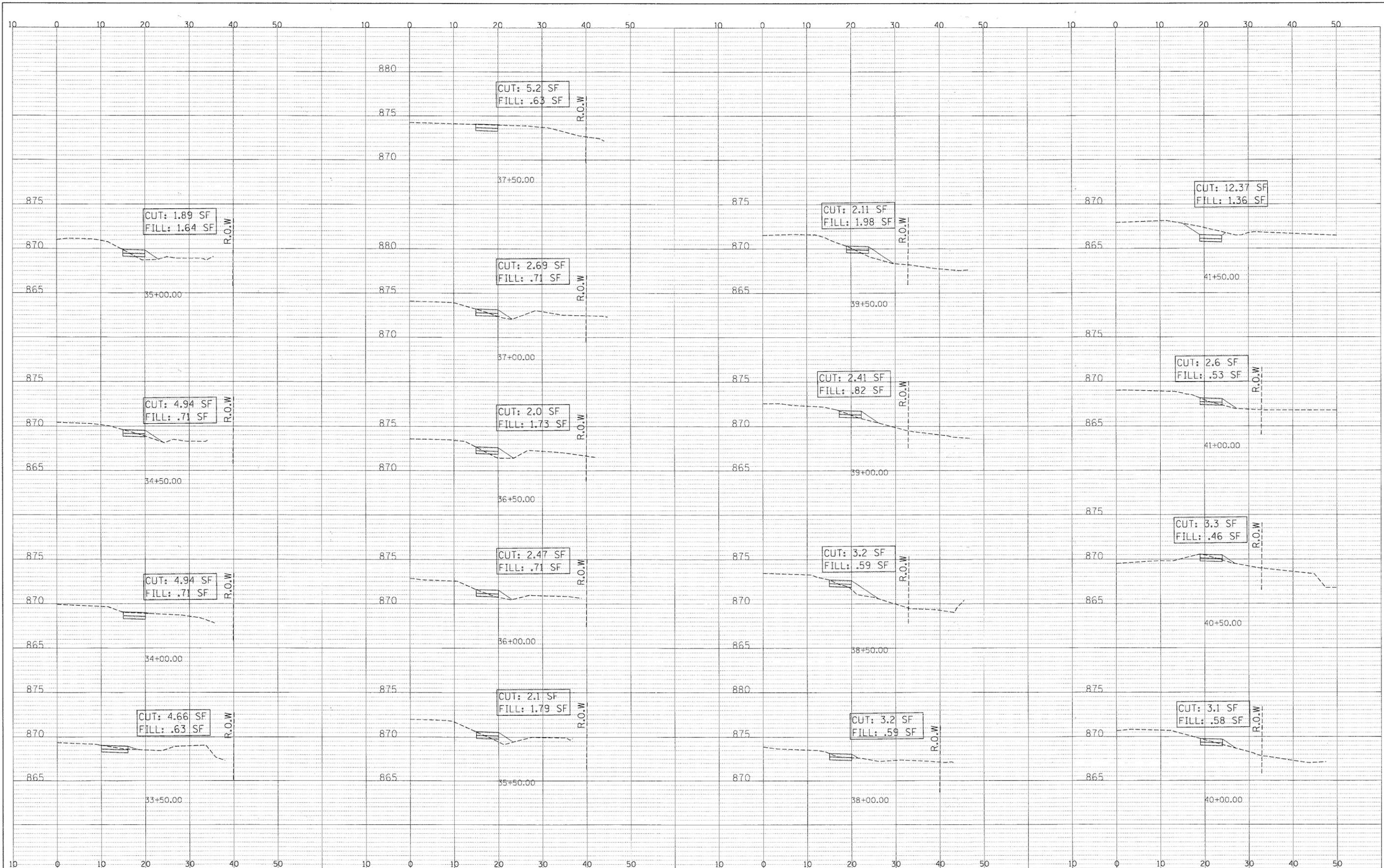
ZIM Group, LLC  
203 North Wabash Avenue  
Suite 804  
Chicago, IL 60601

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
CROSS SECTIONS**

SCALE: V: 1"=10', H: 1"=5' SHEET NO. 2 OF 4 SHEETS

F.A.U. R.T.C. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 24
				CONTRACT NO. 63589
ILLINOIS FED. AID PROJECT				



FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = xx/xx/xxxx	CHECKED OIU	REVISED -
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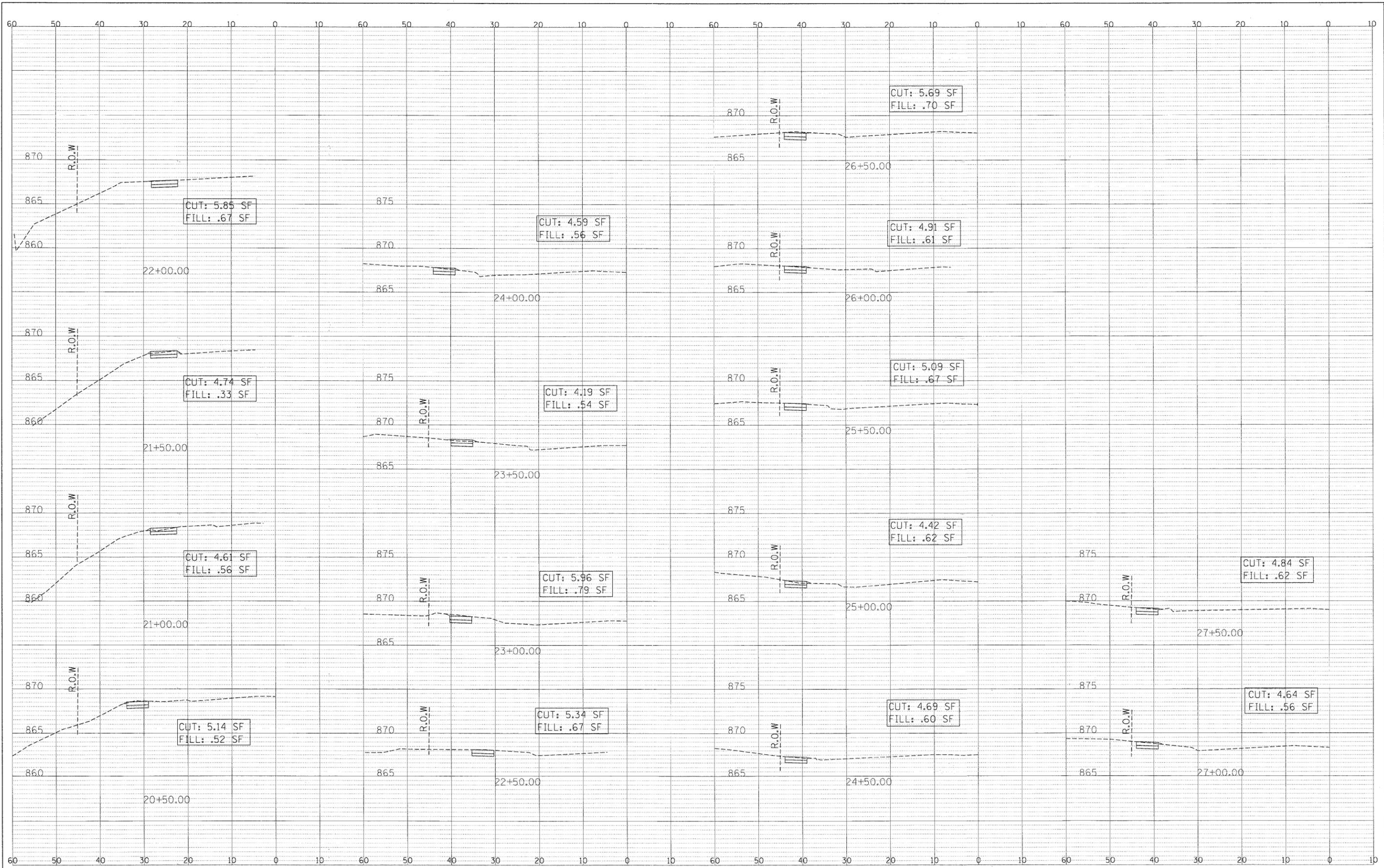


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF LAKE ZURICH  
CROSS SECTIONS**

SCALE: V: 1"=10', H: 1"=5'      SHEET NO. 3 OF 4 SHEETS

F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 25
ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63589				



FILE NAME =	DESIGNED LSM	REVISED -
USER NAME = TRICE	DRAWN AO	REVISED -
PLOT DATE = xxx/xxx/xxxx	CHECKED OIU	REVISED -
	DATE 12/30/2010	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

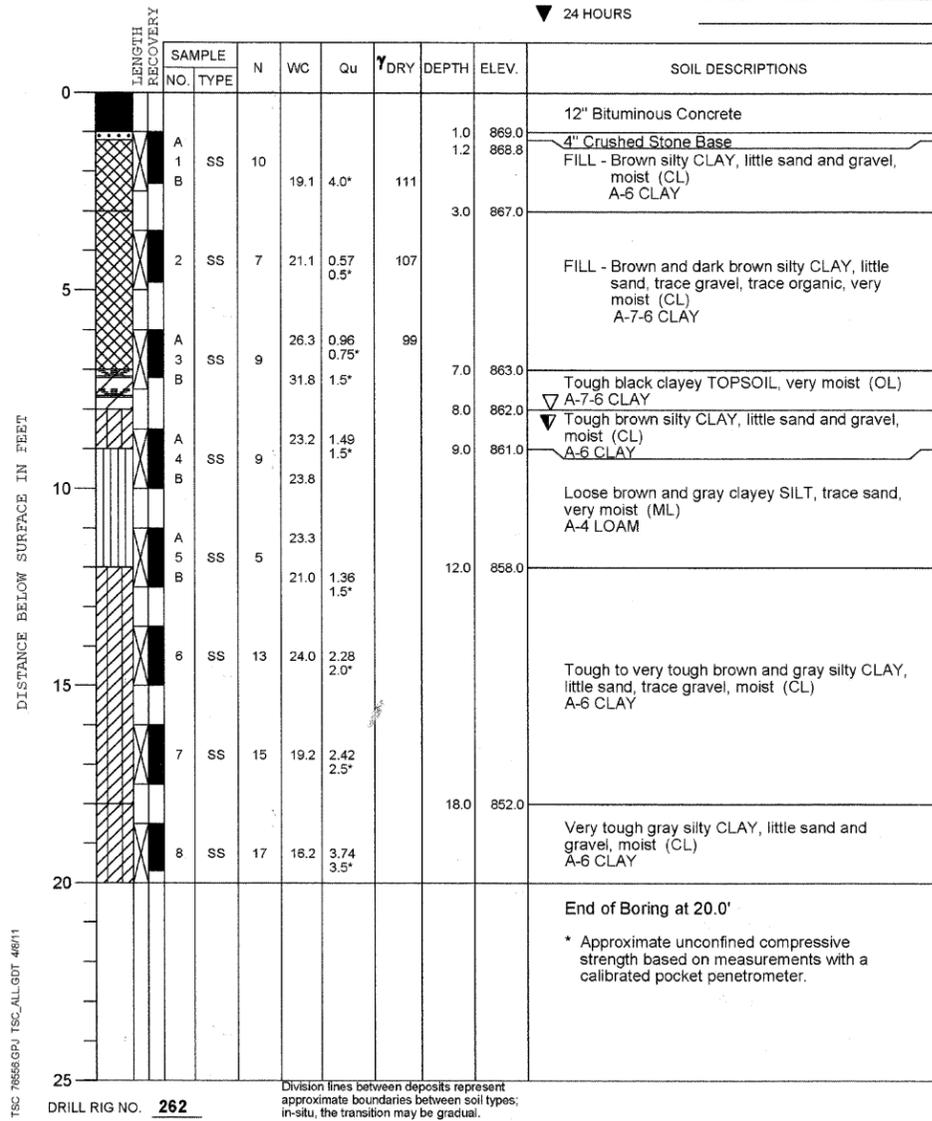
VILLAGE OF LAKE ZURICH  
CROSS SECTIONS

SCALE: V: 1"=10', H: 1"=5' SHEET NO. 4 OF 4 SHEETS

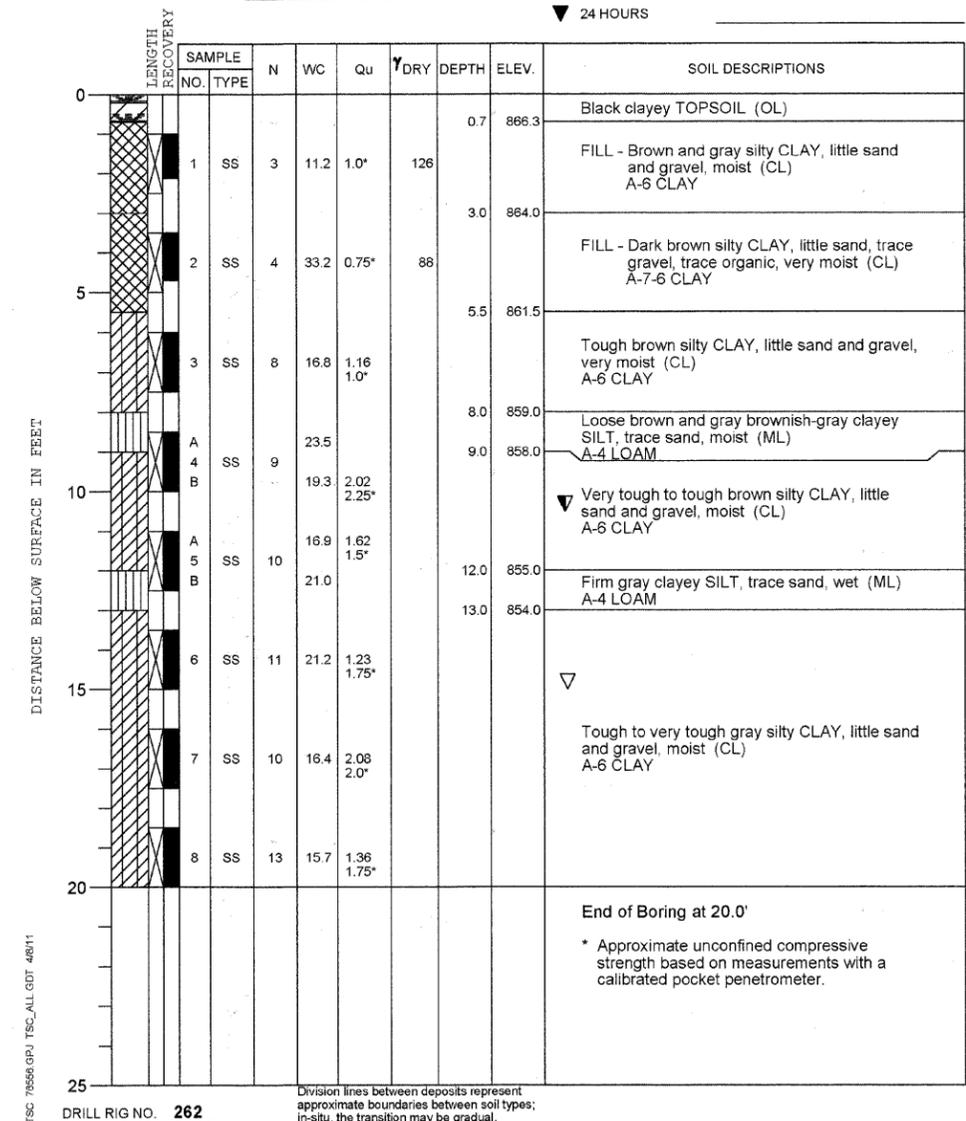
F.A.U. RTE. 3504	SECTION 09-00071-00-SW	COUNTY LAKE	TOTAL SHEETS 27	SHEET NO. 26
CONTRACT NO. 63589				
ILLINOIS FED. AID PROJECT				

# GEOTECHNICAL INFORMATION

PROJECT **Retaining Wall & Widewalk Improvements, Lake Zurich, Illinois**  
 CLIENT **Village of Lake Zurich, Lake Zurich, Illinois**  
 BORING **1** DATE STARTED **4-6-11** DATE COMPLETED **4-6-11** JOB **L-76,556**  
 ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE **870.0** WHILE DRILLING **8.5'**  
 END OF BORING **850.0** AT END OF BORING **8.0'**  
 24 HOURS



PROJECT **Retaining Wall & Widewalk Improvements, Lake Zurich, Illinois**  
 CLIENT **Village of Lake Zurich, Lake Zurich, Illinois**  
 BORING **2** DATE STARTED **4-6-11** DATE COMPLETED **4-6-11** JOB **L-76,556**  
 ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE **867.0** WHILE DRILLING **10.5'**  
 END OF BORING **847.0** AT END OF BORING **15.0'**  
 24 HOURS



**Testing Service Corporation**  
 457 E. Gundersen Dr.  
 Carol Stream, IL 60188