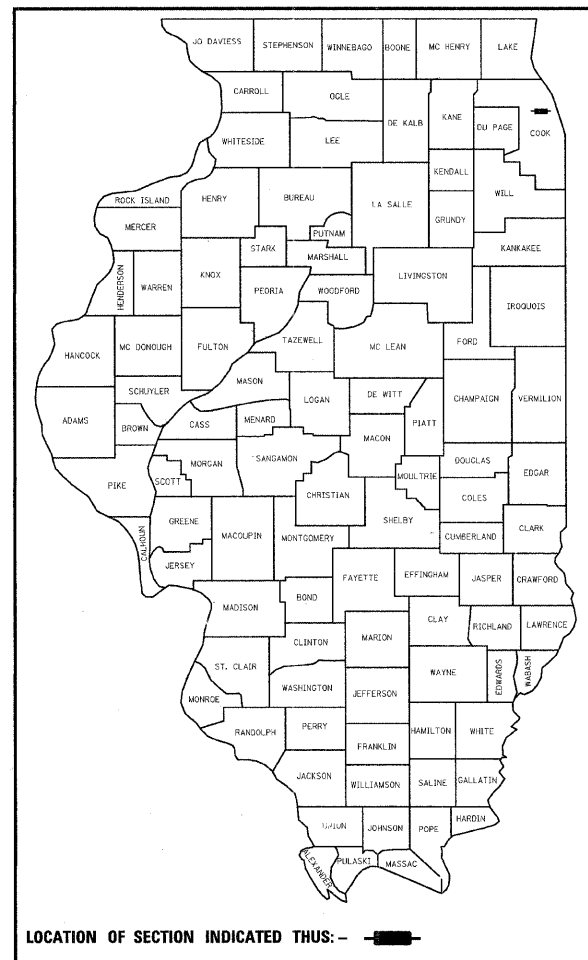


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
FEDERAL AID PROJECT**

TWIGGS PARK BIKE PATH
SIMPSON STREET TO GREEN BAY ROAD
SECTION: 07-00245-00-BT
PROJECT: HPP-0299 (106)
JOB NO.: C-91-358-07
CITY OF EVANSTON
COOK COUNTY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	23	1
STA. 0+00	TO STA. 21+68			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63089				

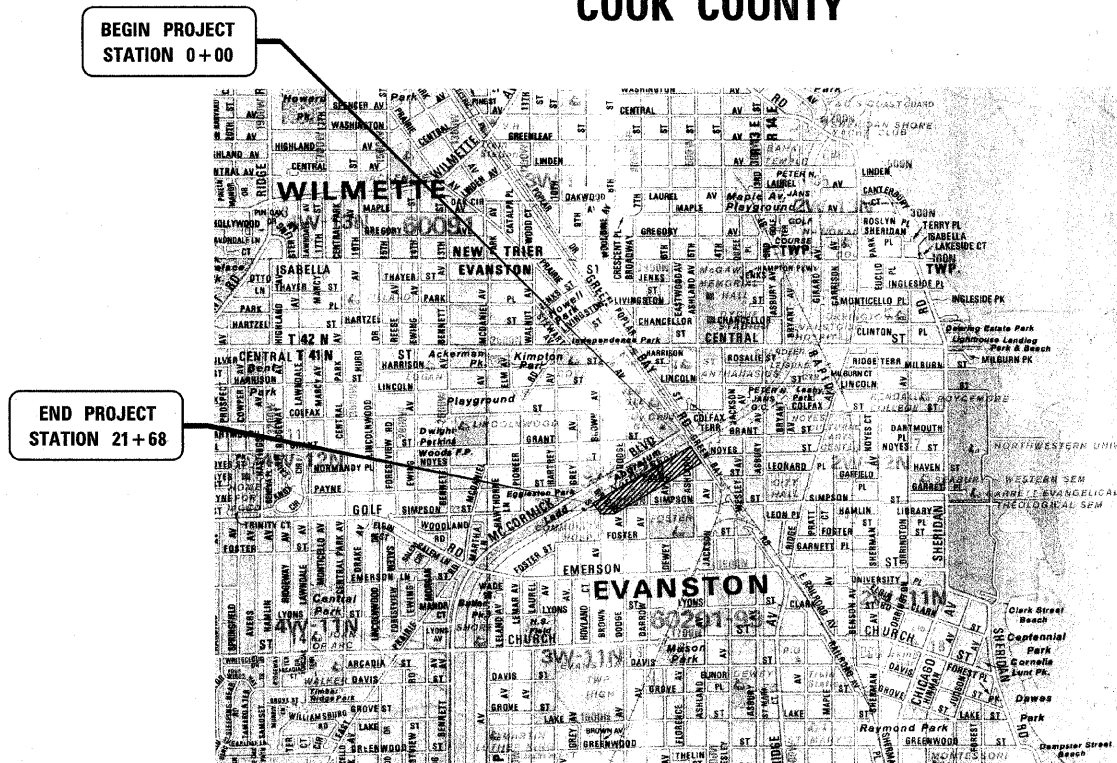


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE & INDEX OF SHEETS
2	GENERAL NOTES, STANDARDS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	ALIGNMENT TIES AND BENCHMARKS
6	DEMOLITION PLAN
7-10	PLAN AND PROFILE SHEETS
11	PATH INTERSECTION ENLARGEMENT
12	CONSTRUCTION DETAILS
13-16	LIGHTING PLANS AND DETAILS
17-23	CROSS SECTIONS

HIGHWAY STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION
BIKE PATH
DESIGN SPEED
20 MPH



LOCATION MAP
N.T.S.

GROSS LENGTH AND NET LENGTH = 2167.87 FEET (0.4 MILES)



Robert J. Andrews
10-15-08

CITY OF EVANSTON

Approved: *[Signature]* 2008
ACTING DIRECTOR OF PARKS-FORESTRY AND RECREATION

Passed: OCTOBER 29 2008
[Signature] CHRISTOPHER HART
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

Releasing for Bid Based on Limited Review: OCTOBER 24, 2008
[Signature] Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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

PLANS PREPARED BY:
URS 100 S. WACKER DR., STE 500 TEL (312) 939-1000
CHICAGO IL. 60606 FAX (312) 939-4198

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. 63089

FEDERAL AID DESIGN ENGINEER: KEVIN STALLWORTH, P.E. (847) 705-4169

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS:

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2008. (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2008; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS; THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

PROJECT COORDINATION:

THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. ATTENTION IS CALLED TO SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY OF ANY STREET AND/OR ANY PARK PROPERTY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.

SAFETY:

ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR FLUORESCENT ORANGE, FLUORESCENT YELLOW/GREEN, OR A COMBINATION OF FLUORESCENT ORANGE AND FLUORESCENT YELLOW/GREEN SAFETY VESTS MEETING THE REQUIREMENTS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE SPECIFICATION ANSI/ISEA 107-1999 FOR CONSPICUITY CLASS 2 GARMENTS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE.

EXISTING UTILITIES:

EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE CITY OF EVANSTON, NORTHWEST WATER COMMISSION AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS. THE CONTRACTOR SHALL GIVE PRIOR NOTIFICATION TO THE UTILITY COMPANIES AND THE CITY OF EVANSTON OF HIS INTENTION TO BEGIN WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING J.U.L.I.E. AT TOLL FREE NUMBER 800-892-0123 AND THE CITY OF EVANSTON PUBLIC WORKS DEPARTMENT AT 847-866-2942 AND FACILITIES MANAGEMENT FOR UTILITY CONTACTS AT 847-866-2916 REQUESTING UTILITY LOCATION STAKING 48 HOURS PRIOR TO EXCAVATING. SATURDAYS AND SUNDAYS ARE NOT INCLUDED IN THE 48-HOUR NOTIFICATION.

TRAFFIC CONTROL AND MAINTENANCE:

THE CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT ONLY ONE TEMPORARY LANE CLOSURE ON ONE STREET IN ONE DIRECTION IS IMPLEMENTED AT A TIME. A LANE CLOSURE WILL ONLY BE PERMITTED DURING CONSTRUCTION OPERATIONS AND IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARDS. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES, INCLUDING FLAGGERS, REQUIRED TO MAINTAIN TRAFFIC FLOW. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT NO HOLES IN THE PAVEMENT WILL REMAIN OPEN OVER NIGHT.

ACCESS TO ABUTTING PROPERTY SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT. TIME REQUIRED FOR CONSTRUCTION AT DRIVEWAYS SHALL BE LIMITED TO THE MINIMUM TIME REQUIRED FOR SAID CONSTRUCTION AND, IF REQUIRED, TEMPORARY AGGREGATE SURFACE FOR DRIVEWAY ACCESS SHALL BE PROVIDED.

THE SINGLE LANE SOUTHBOUND AT ASHLAND AVE, NORTH OF NOYES ST., MUST REMAIN OPEN AT ALL TIMES FOR THE PASSAGE OF PUBLIC BUSES THAT USE THIS ROADWAY

ACCESS TO FIRE HYDRANTS FROM THE ROADWAY AND SIDEWALK IN THE RIGHT-OF-WAY MUST BE PROVIDED AT ALL TIMES. NO OBSTRUCTION OF ANY KIND IS ALLOWED WITHIN 6' OF ANY FIRE HYDRANT.

DISPOSAL OF EXCESS MATERIAL:

ALL EXCESS MATERIAL AND ANY OTHER DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN OFF-SITE DISPOSAL AREA.

PROTECTION OF PUBLIC/PRIVATE PROPERTY:

THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES, SHRUBS, FENCES, DRAIN LINES, POWER LINES, AND OTHER PUBLIC/PRIVATE PROPERTY. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.

SAW CUTTING FOR REMOVAL:

THE CONTRACTOR SHALL BE REQUIRED TO MAKE A FULL DEPTH SAW CUT AT THE EDGE OF PAVEMENT ADJACENT TO THE REMOVAL OF ALL CONCRETE CURB OR COMBINATION CONCRETE CURB AND GUTTER. THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUTS REQUIRED FOR THE REMOVAL OF CONCRETE CURB AND GUTTERS, SIDEWALKS, AND DRIVEWAYS AS SPECIFIED, OR AS DIRECTED BY THE ENGINEER. THE COST SHALL BE CONSIDERED INCLUDED IN THE COST FOR REMOVAL OF THE SPECIFIED ITEM IN THE CONTRACT.

EXISTING STREET CLEANLINESS:

THE CONTRACTOR SHALL KEEP EXISTING ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN SAID PAVEMENTS ON A DAILY BASIS OR WHEN DIRECTED BY THE ENGINEER.

BASE COURSE CLEANING:

PRIOR TO APPLYING THE BITUMINOUS PRIME COAT, THE BASE SURFACE SHALL BE CLEANED OF ALL LOOSE LEAVES, DUST, DIRT, WEEDS AND OTHER FOREIGN MATERIALS. COST TO BE CONSIDERED INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

HOT-MIX ASPHALT PAVEMENTS:

FOR DESIGN AND QUANTITY ESTIMATION PURPOSES, THESE PLANS HAVE BEEN DEVELOPED USING 112.0 POUNDS PER SQUARE YARD PER INCH THICKNESS OF HOT-MIX ASPHALT SURFACE PAVEMENTS. THE ENGINEER WILL CALCULATE AN ADJUSTED PLAN QUANTITY ONCE THE PROJECT IS UNDER CONTRACT AND A MIX DESIGN IS DEVELOPED AND APPROVED.

CLEAN-UP AND DISPOSAL:

THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE OWNER OR THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE.

CONSTRUCTION LIMITS:

THE CONTRACTOR SHALL CONFINE OPERATIONS WITHIN CONSTRUCTION LIMITS AS SHOWN ON PLANS. ANY DAMAGE OUTSIDE OF SAID CONSTRUCTION LIMITS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

LANDSCAPING RESTORATION:

ALL GRASSED AREAS INSIDE AND OUTSIDE THE CONSTRUCTION LIMITS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED WITH A MINIMUM OF 4" OF PULVERIZED TOP SOIL AND SEEDING, CLASS 2A, AT THE CONTRACTOR'S EXPENSE.

PROPERTY ACCESS

DURING CONSTRUCTION, ALL SIGNS, BARRICADES, AND TEMPORARY PAVEMENT MARKINGS WILL CONFORM TO THE ILLINOIS MUTCD. VEHICULAR ACCESS TO LOCAL PROPERTIES WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, EXCEPT WHEN CONSTRUCTION OPERATIONS OCCUR DIRECTLY ON OR IN FRONT OF DRIVEWAYS. IN THIS CASE, FLAG PERSONS WILL BE USED TO DIRECT AND CONTROL TRAFFIC.

BANK CONDITION ASSESMENT BY MWRD

MWRD IS PLANNING TO CONDUCT A NORTH SHORE CHANNEL BANK CONDITION ASSESMENT IN EARLY 2010. IT DOES NOT APPEAR THAT THIS WORK WILL AFFECT THE CONSTRUCTION SHOWN IN THESE PLANS.

NORTHWEST WATER COMMISSION

THE NORTHWEST WATER COMMISSION OWNS THE 60-INCH DIAMETER WATER MAIN SHOWN ON THE PLANS. THEY HAVE A 20-FOOT WIDE EASEMENT AROUND THE WATER MAIN TO PREVENT DAMAGE TO THE WATER MAIN.

A MINIMUM OF THREE FEET OF COVER OVER THE WATER MAIN IS TO BE MAINTAINED AT ALL TIMES. FOUR FEET MINIMUM COVER IS REQUIRED FOR THE FINAL GRADES.

STOCKPILING FILL OVER THE WATER MAIN IS PROHIBITED.

IN ADDITION, 48-HOUR NOTIFICATION IS TO BE GIVEN TO THE COMMISSION FOR TREE REMOVAL; SIX-INCH HEADWALL INLET PROTECTION INSTALLATION; PARK BENCH INSTALLATION; CUT, FILL OR PAVING OVER THE EXISTING 60-INCH DIAMETER WATER MAIN; INSTALLATION OF UNDERGROUND ELECTRICAL DUCTS AND ANY OTHER WORK OR UNDERGROUND WORK WITHIN THE COMMISSION'S EASEMENT. CONTRACTOR SHALL PROVIDE THE COMMISSION WITH INFORMATION OF EXISTING CONDITIONS PRIOR TO EXCAVATING NEAR THE 60-INCH DIAMETER WATER MAIN. NOTIFICATION SHALL BE MADE BY CALLING 847-635-0777

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
482001-02	HOT-MIX ASPHALT SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602301-02	INLET-TYPE A
604036-02	GRATE-TYPE 8
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5m (15') AWAY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-05	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS

REVISIONS	
NAME	DATE

URS 100 S. WACKER DR., SUITE 500 TEL: (312) 939-1000
CHICAGO IL, 60606 FAX: (312) 939-4198

CITY OF EVANSTON
TWIGGS PARK
GENERAL NOTES, STANDARDS

DATE: 6/20/08

DRAWN BY: LLM
CHECKED BY: BA

PAY ITEM QUANTITY SUMMARY							
ITEM NO	PAY ITEM	UNIT	TOTAL QUANTITY	STATION 0+00 - 4+50	STATION 4+50 - 10+50	STATION 10+50 - 17+00	STATION 17+00 - 21+68
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	32	0	7	6	19
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	53	36	17	0	0
20200100	EARTH EXCAVATION	CU YD	558	106	179	190	84
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	897	203	227	284	186
20700420	POROUS GRANULAR EMBANKMENT SUBGRADE	CU YD	130	32	32	32	32
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3047	612	913	889	633
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5624	2364	1025	1355	880
25000210	SEEDING, CLASS 2A	ACRE	1.2	0.5	0.2	0.3	0.2
25100401	EXCELSIOR BLANKET, SPECIAL	SQ YD	5624	2364	1025	1355	880
28000400	PERIMETER EROSION BARRIER	FOOT	2240	487	599	835	319
28000500	INLET AND PIPE PROTECTION	EACH	4	1	0	3	0
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	2858	613	846	817	581
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	743	149	223	217	154
40603030	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	332	66	101	96	69
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	218	44	66	63	45
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4866	1315	898	941	1712
42400800	DETECTABLE WARNINGS	SQ FT	56	24	0	0	32
44000600	SIDEWALK REMOVAL	SQ FT	737	341	0	0	396
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	3	0	0	3	0
60100915	PIPE DRAINS 6"	FOOT	57	0	0	57	0
60107700	PIPE UNDERDRAINS 6"	FOOT	277	0	0	29	248
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	0	0	0	1
60251200	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1	0	0	0
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	126	59	0	0	67
67100100	MOBILIZATION	LS	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LS	1				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	74	0	0	0	74
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	88	0	0	0	88
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2155	445	600	650	460
* 81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	1104				
* 81500100	GULFBOX JUNCTION	EACH	2				
* 81700110	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/0 NO. 10	FOOT	4702				
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1104				
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	105				
X0300626	CURB AND GUTTER REMOVAL	FOOT	828	729	36	0	63
X0321158	PARK BENCHES	EACH	1	0	0	0	1
* X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1				
* XX000303	ORNAMENTAL LIGHTING UNIT COMPLETE	EACH	12				
XX001011	BICYCLE RACKS	EACH	5	5	0	0	0
XX006698	TREE PROTECTION AND PRESERVATION	EACH	36	1	13	12	10
* XX007745	ROTATE LIGHT FIXTURE	EACH	10	0	5	4	1
* XX007746	STEEL POLE REMOVAL	EACH	2	2	0	0	0
XX007747	PARK BENCH REMOVAL AND RELOCATION	EACH	6	0	2	2	2
XX001532	PROJECT SIGN	EACH	2	1	0	0	1

* SPECIALTY ITEMS

EXCAVATION SCHEDULE						
LOCATION	SUITABLE EXCAVATION (EARTH EXCAVATION)	EARTH EX ADJUSTED FOR SHRINKAGE (15%)	SUITABLE EMBANKMENT	EARTHWORK BALANCE WASTE(+) OR SHORTAGE (-) (FURNISHED EXCAVATION)	UNSUITABLE EXCAVATION (REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL)	UNSUITABLE EXCAVATION (TOPSOIL)
Mainline Path	CY	CY	CY	CY	CY	CY
STA. 0+00 TO 4+50	106.1	90.2	203.1	-113.0	203.0	264.6
STA. 4+50 TO 10+50	179.2	152.3	47.5	104.8	227.0	156.8
STA. 10+50 TO 17+00	189.6	161.2	16.0	145.2	281.4	164.8
STA. 17+00 TO 21+68	83.5	71.0	30.4	40.6	185.6	101.2
TOTALS	558	475	297	178	897	687

DRAINAGE SCHEDULE					
LOCATION	(60100915) PIPE DRAINS 6" (FT)	(60107700) PIPE UNDERDRAINS 6" (FT)	(60236200) INLETS, TYPE A, TYPE 8 GRATE (EACH)	(60100060) CONCRETE HEADWALL FOR PIPE DRAINS (EACH)	(60251200) CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE (EACH)
Mainline Path	(FT)	(FT)	(EACH)	(EACH)	(EACH)
STA. 0+00 TO 4+50					1
STA. 4+50 TO 10+50					
STA. 10+50 TO 17+00	57	29		3	
STA. 17+00 TO 21+68		248	1		
TOTALS	57	277	1	3	1

TREE REMOVAL SCHEDULE					
LOCATION	(20100110) TREE REMOVAL (6 TO 15 UNITS DIAMETER)		LOCATION	(20100210) TREE REMOVAL (OVER 15 UNITS DIAMETER)	
STATION OFFSET	NO.	DIA	STATION OFFSET	NO.	DIA
7+14, 8'L	1	7	1+94, 14'L	1	36
13+95, 1'R	1	6	5+95, 6'R	1	17
20+96, 9'L	1	12		0	0
21+19, 6'L	1	7		0	0
TOTALS		32	TOTALS		53

URS 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000
CHICAGO IL, 60606 FAX (312)-939-4198

REVISIONS	
NAME	DATE

CITY OF EVANSTON
TWIGGS PARK
**SUMMARY OF QUANTITIES
AND MAINLINE QUANTITIES**

DATE : 6/20/08
DRAWN BY : LLM
CHECKED BY : BA

BIKE PATH	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (IL 9.5mm)	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	PG 64-22**	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

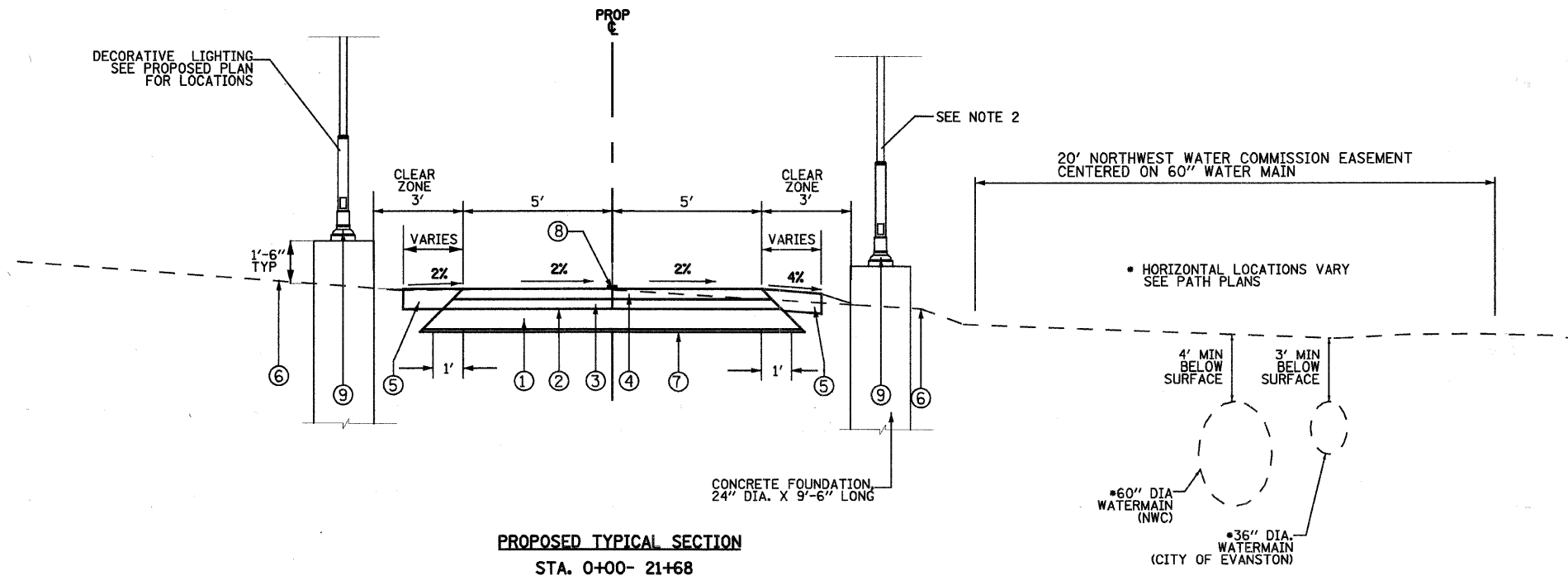
** WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

NOTE 1:

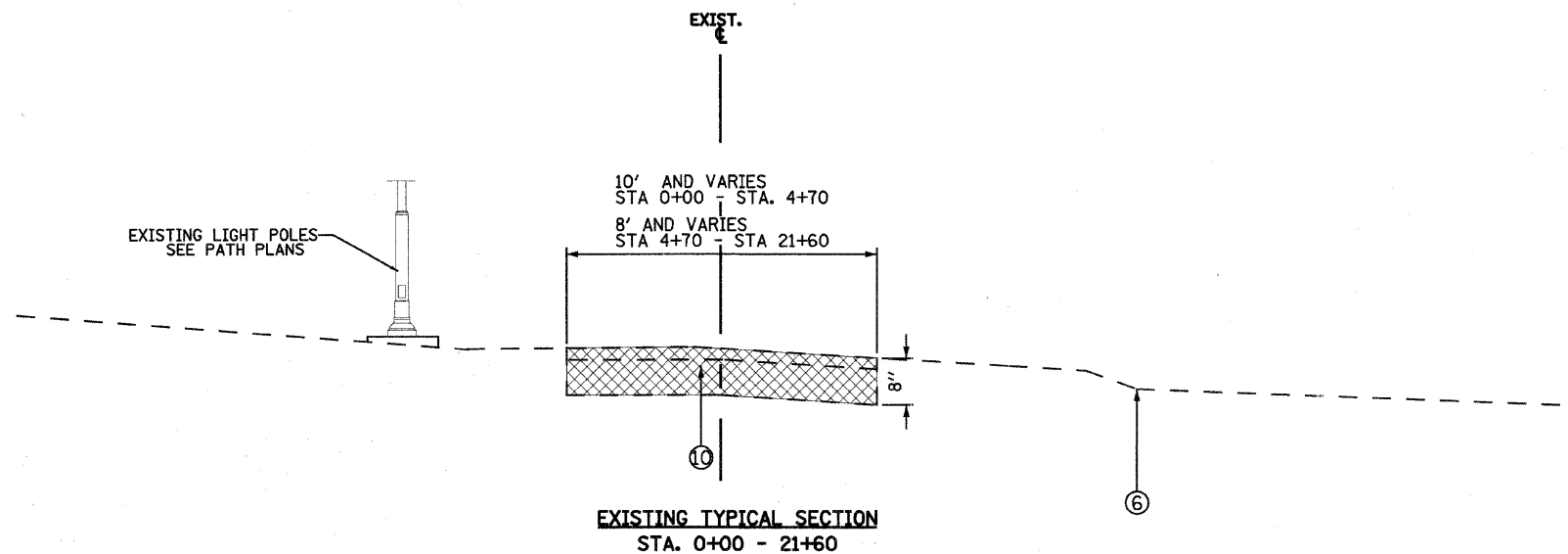
AT LOCATIONS OF UNSUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF UNSUITABLE MATERIAL, PLACEMENT OF THE GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, PLACEMENT OF POROUS GRANULAR EMBANKMENT, SUBGRADE, FOLLOWED BY THE CONSTRUCTION OF THE REST OF THE TYPICAL SECTION.

NOTE 2:

NO PROPOSED RELOCATED OR NEW LIGHT POLE FOUNDATIONS SHALL BE LOCATED WITHIN THE EXISTING 20-FT EASEMENT OF THE 60-IN NORTHWEST WATER COMMISSION WATERMAIN. SEE PATH PLANS FOR LOCATIONS



PROPOSED TYPICAL SECTION
STA. 0+00- 21+68



EXISTING TYPICAL SECTION
STA. 0+00 - 21+60

LEGEND:

- ① AGGREGATE BASE COURSE, TYPE B, 8"
- ② BITUMINOUS PRIME COAT
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- ⑤ 4" TOP SOIL AND SEEDING CLASS 2A
- ⑥ EXISTING GROUND
- ⑦ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (FOR LENGTH OF BIKE PATH)
- ⑧ PAINT PAVEMENT MARKING, 4" YELLOW, SOLID
- ⑨ PROPOSED DECORATIVE LIGHT
- ⑩ EXISTING PATH REMOVAL

REVISIONS	
NAME	DATE

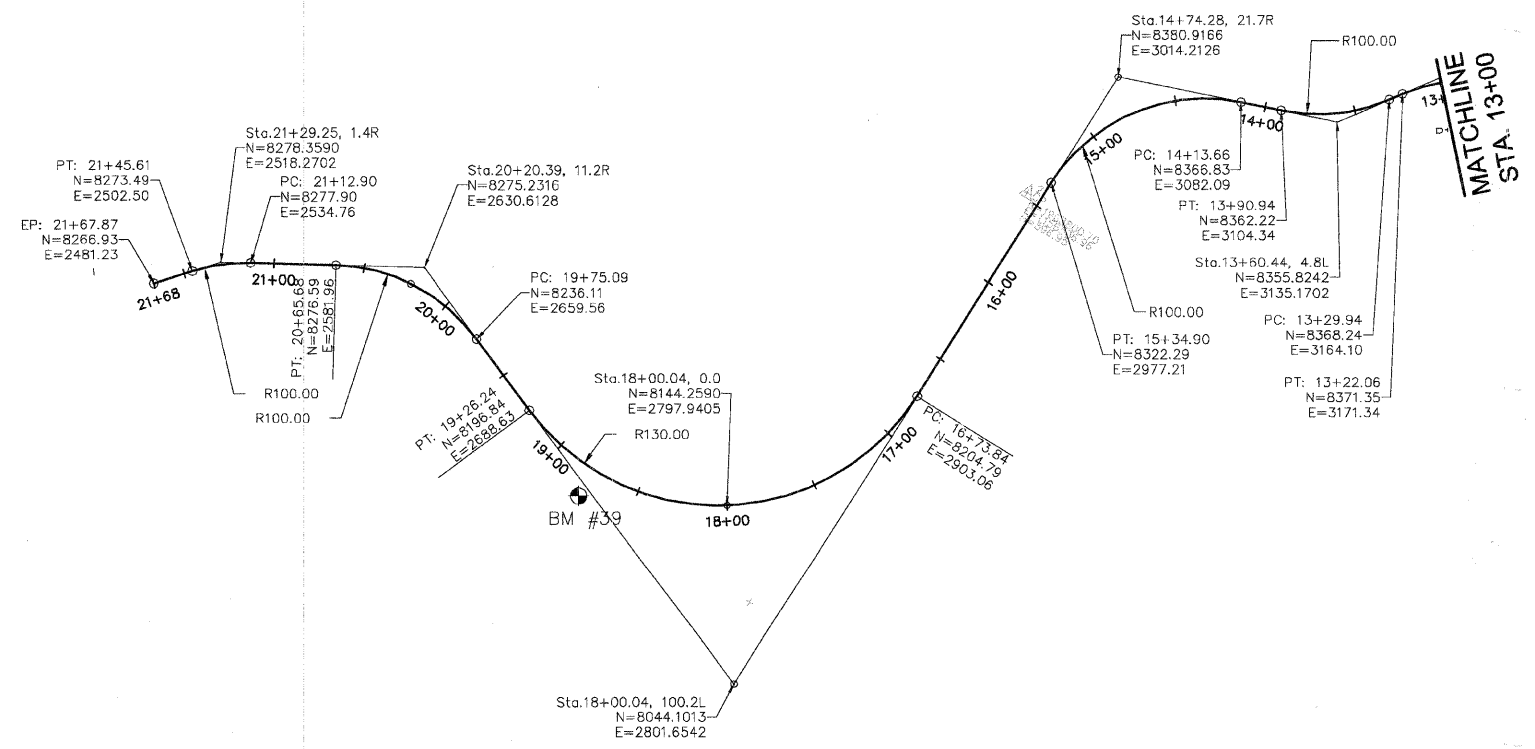
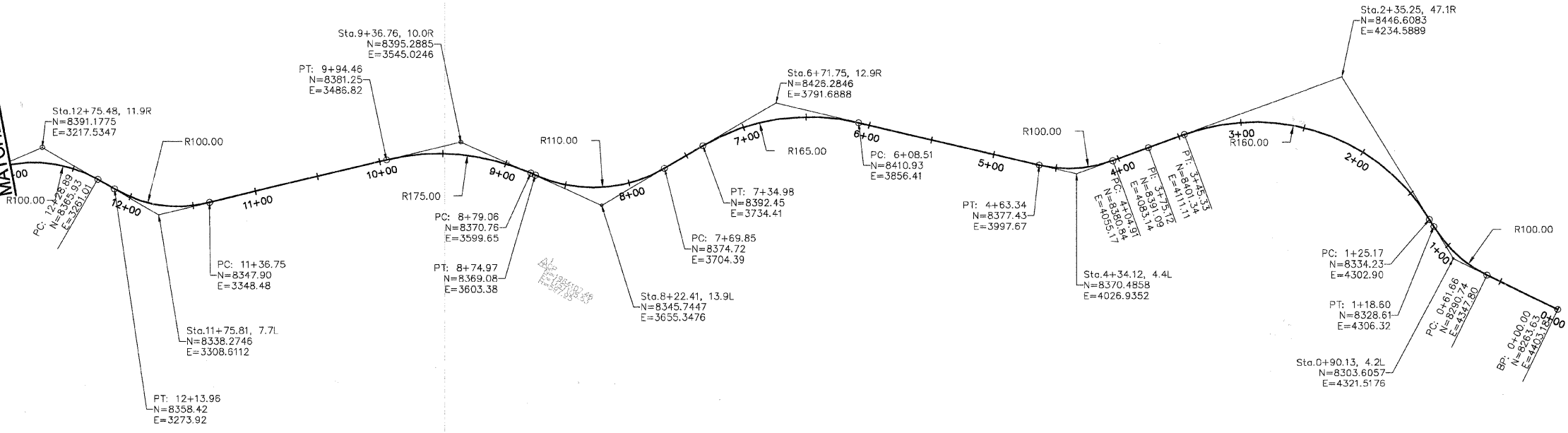
URS 100 S. WACKER DR., SUITE 500 TEL: 312-939-1000
CHICAGO IL, 60606 FAX: 312-939-4198

CITY OF EVANSTON
TWIGGS PARK
TYPICAL CROSS SECTIONS

DATE: 6/20/08

DRAWN BY: LLM
CHECKED BY: BA

MATCHLINE STA. 13+00



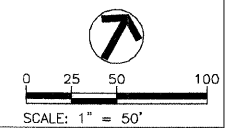
BENCHMARKS

BENCHMARK # 38
 LOCATION : SIMPSON STREET AND BENNET AVE.
 NORTHING: 1963449.672 FEET (9599.48 FEET)
 EASTING: 1153344.626 FEET (19.58 FEET)
 ELEVATION: 24.288 FEET
 ELEVATION FROM EVANSTON DATUM = 579.70 FEET ABOVE MEAN TIDE AT NEW YORK
 COORDINATE SYSTEM: NAD83 STATEPLANE ILLINOIS EAST
 (PROJECT COORDINATE SYSTEM)

BENCHMARK # 39
 LOCATION : SIMPSON STREET
 NORTHING: 1963530.489 FEET (8146.28 FEET)
 EASTING: 1156408.517 FEET (2718.13 FEET)
 ELEVATION: 18.122 FEET
 ELEVATION FROM EVANSTON DATUM = 579.70 FEET ABOVE MEAN TIDE AT NEW YORK
 COORDINATE SYSTEM: NAD83 STATEPLANE ILLINOIS EAST
 (PROJECT COORDINATE SYSTEM)

BENCHMARK # 40
 LOCATION : ASBURY AVE., NORTH OF SIMPSON
 NORTHING: 1963920.229 FEET (7134.07 FEET)
 EASTING: 1159124.542 FEET (5268.45 FEET)
 ELEVATION: 18.153 FEET
 ELEVATION FROM EVANSTON DATUM = 579.70 FEET ABOVE MEAN TIDE AT NEW YORK
 COORDINATE SYSTEM: NAD83 STATEPLANE ILLINOIS EAST
 (PROJECT COORDINATE SYSTEM)

DESIGN SPEED 20 MPH



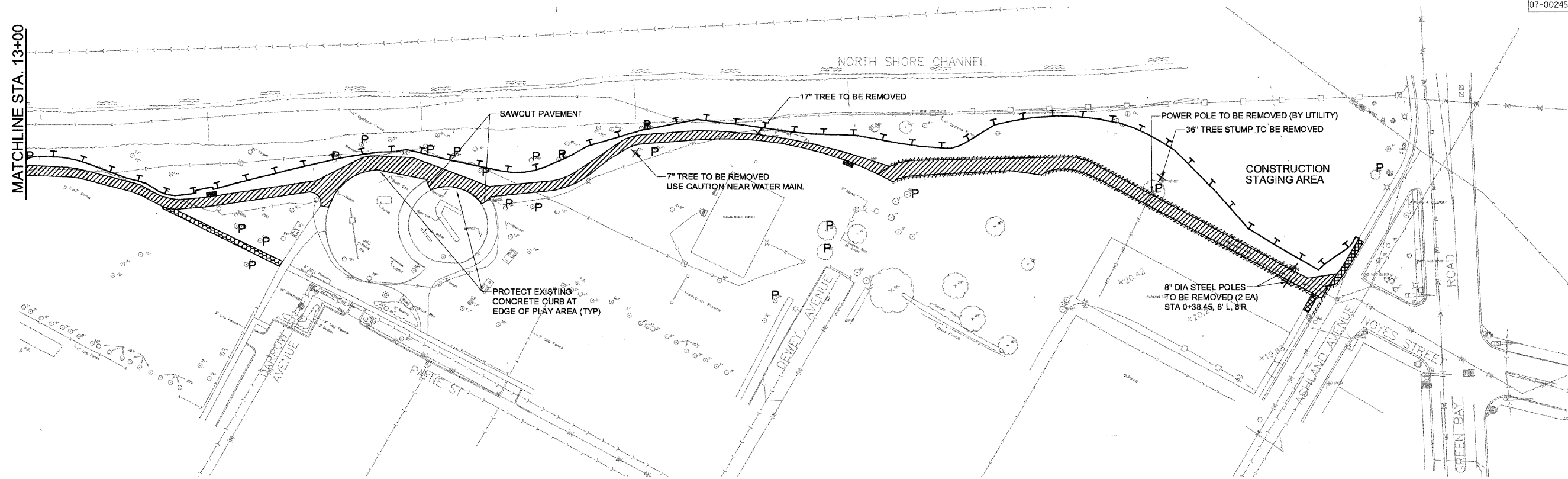
REVISIONS	
NAME	DATE

URS 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000
 CHICAGO, IL, 60606 FAX (312)-939-4198

CITY OF EVANSTON
 TWIGGS PARK
 ALIGNMENT TIES
 AND
 BENCHMARKS

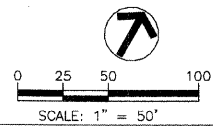
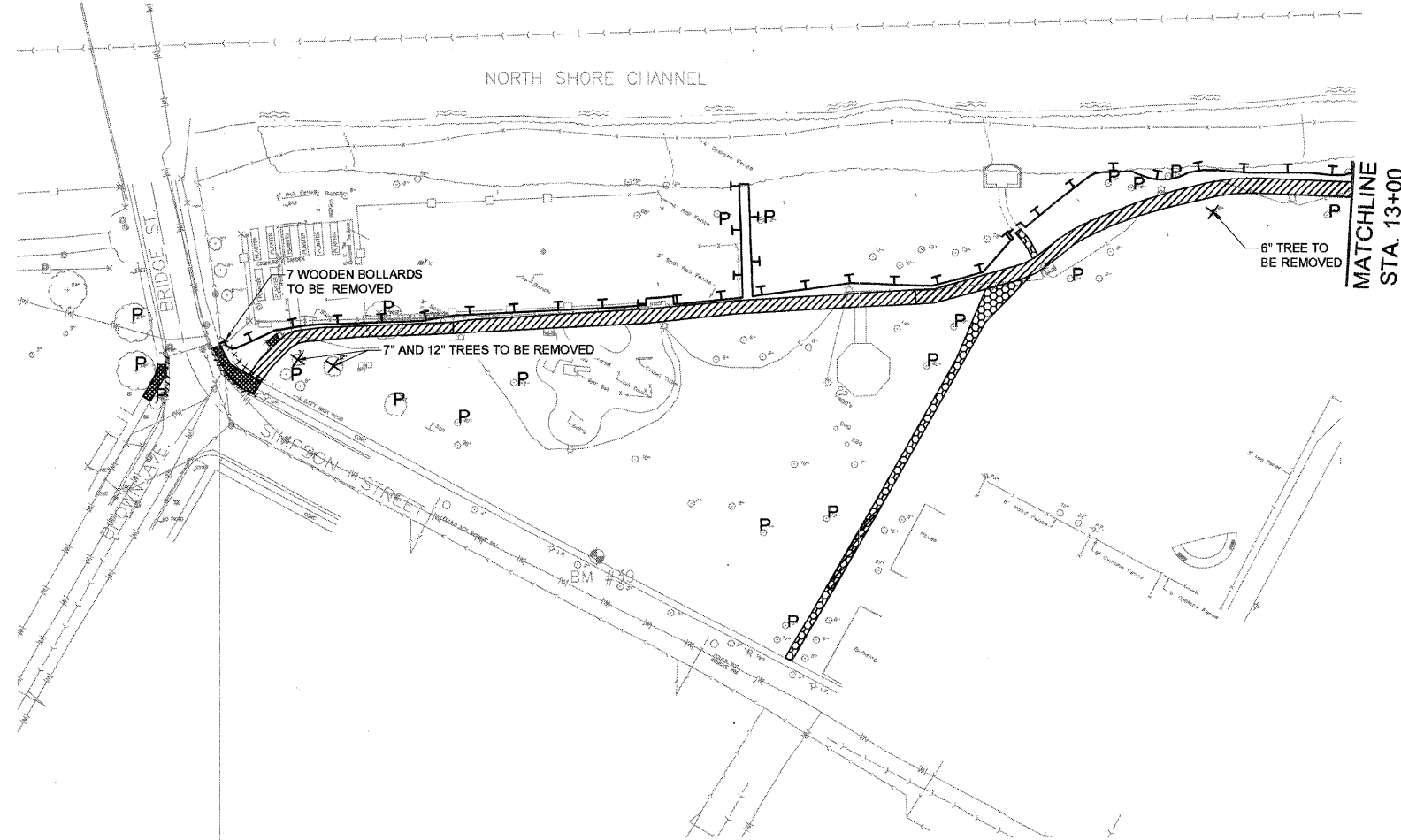
DATE : 6/20/08 DRAWN BY : LLM CHECKED BY : BA

MATCHLINE STA. 13+00



LEGEND

- CONCRETE SIDEWALK REMOVAL
- CURB REMOVAL
- ASPHALT REMOVAL
- AGGREGATE PATH REMOVAL
- TREE TO BE PROTECTED
- EXISTING TREE TO BE REMOVED
- PERIMETER EROSION BARRIER



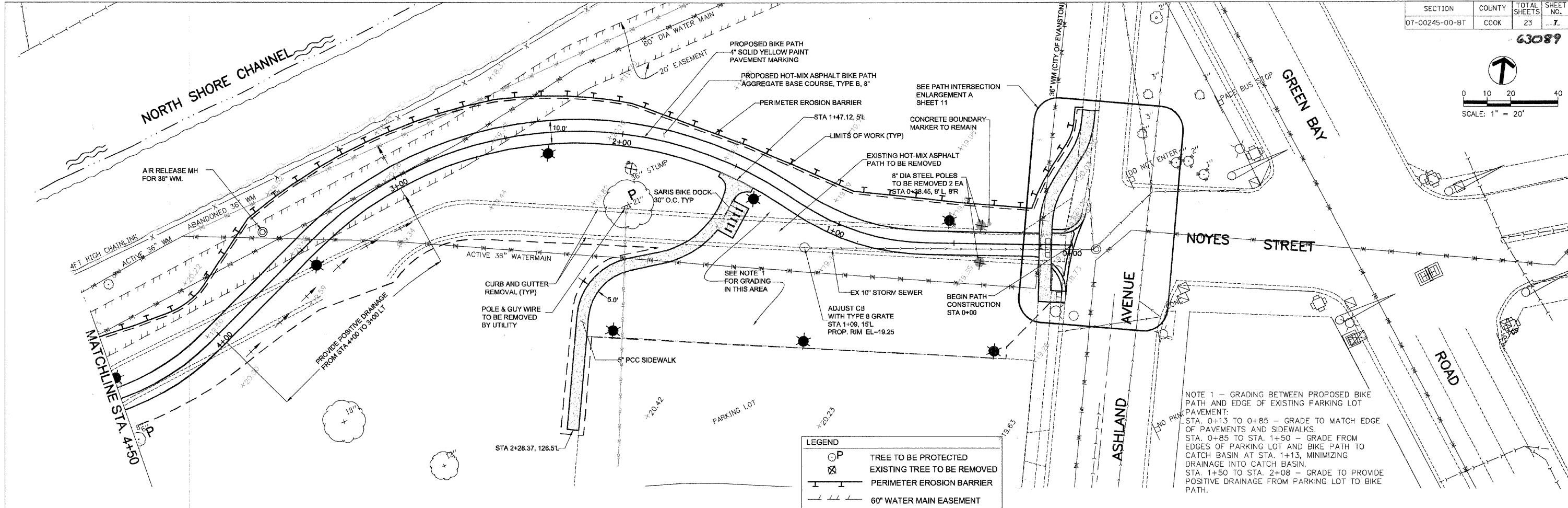
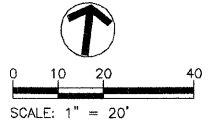
REVISIONS	
NAME	DATE

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CHICAGO IL, 60606 FAX (312)-939-4198

CITY OF EVANSTON
TWIGGS PARK
DEMOLITION PLAN

DATE : 6/20/08

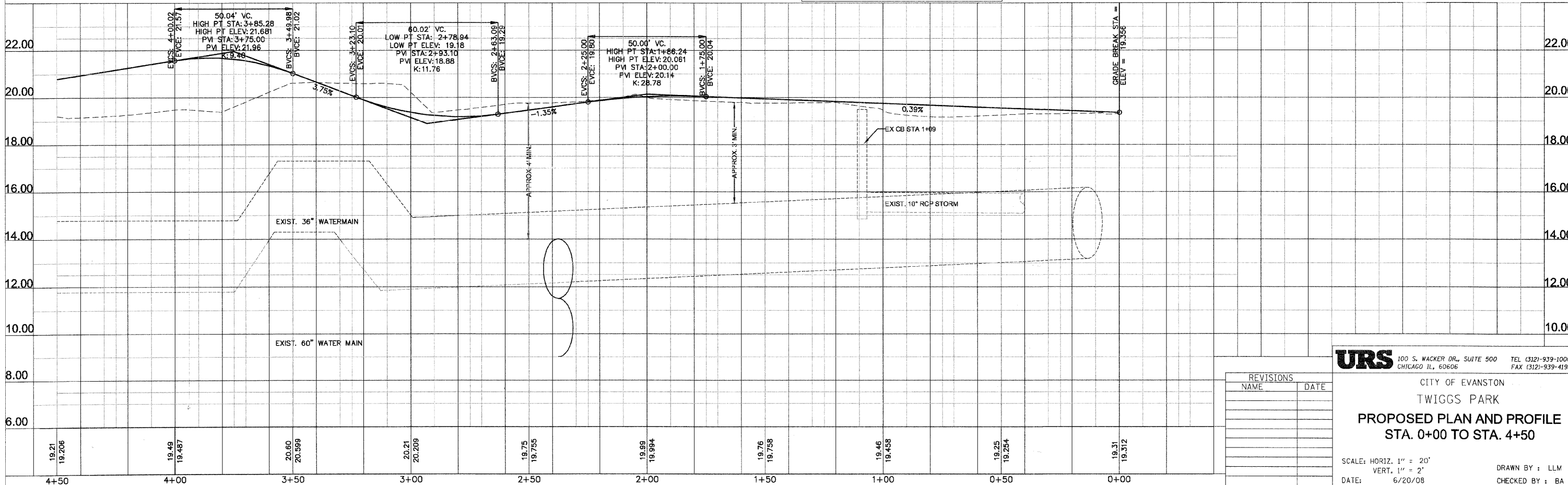
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CHECKED BY : BA



NOTE 1 - GRADING BETWEEN PROPOSED BIKE PATH AND EDGE OF EXISTING PARKING LOT PAVEMENT:
 STA. 0+13 TO 0+85 - GRADE TO MATCH EDGE OF PAVEMENTS AND SIDEWALKS.
 STA. 0+85 TO STA. 1+50 - GRADE FROM EDGES OF PARKING LOT AND BIKE PATH TO CATCH BASIN AT STA. 1+13, MINIMIZING DRAINAGE INTO CATCH BASIN.
 STA. 1+50 TO STA. 2+08 - GRADE TO PROVIDE POSITIVE DRAINAGE FROM PARKING LOT TO BIKE PATH.

LEGEND

	TREE TO BE PROTECTED
	EXISTING TREE TO BE REMOVED
	PERIMETER EROSION BARRIER
	60" WATER MAIN EASEMENT

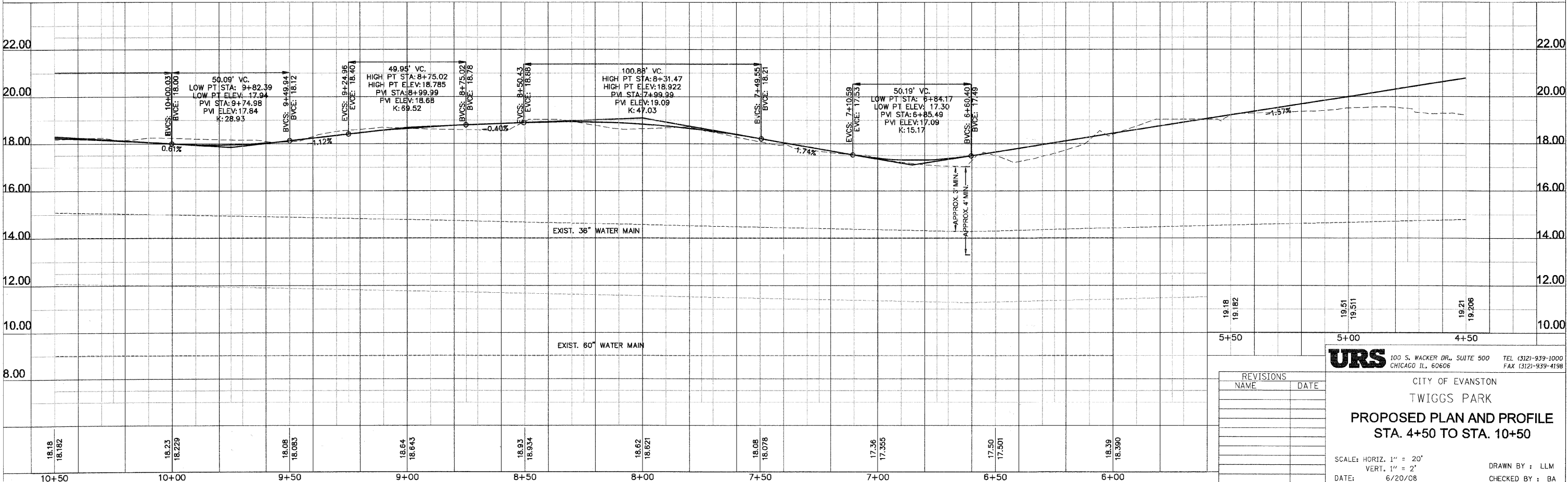
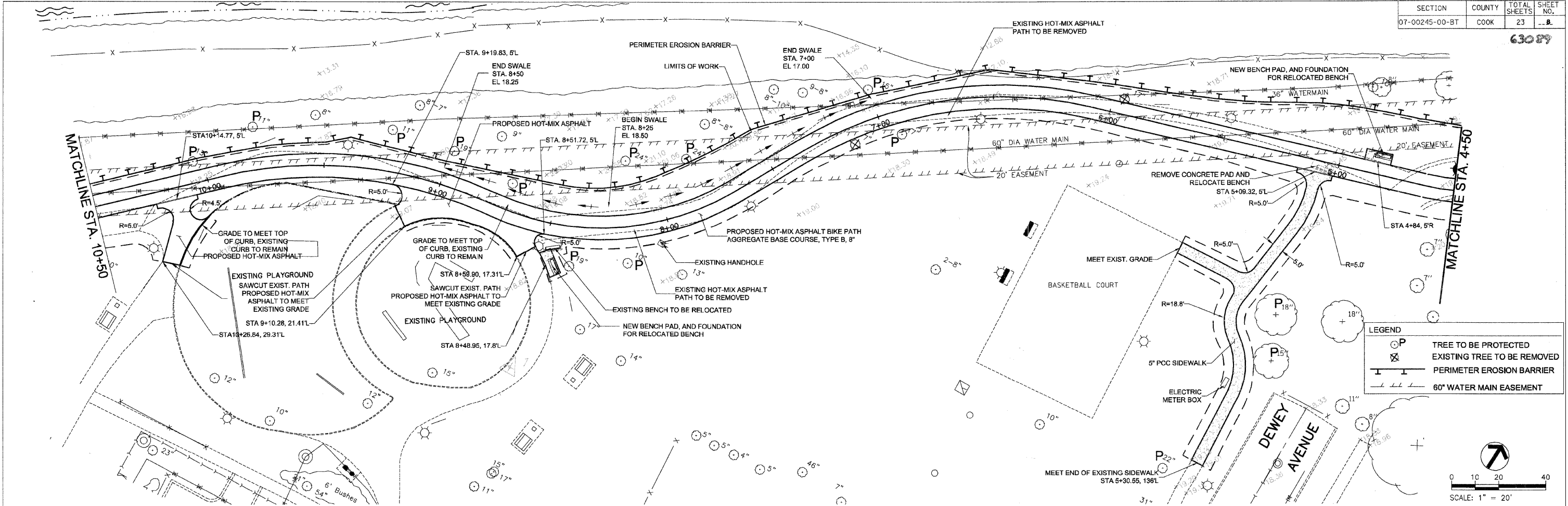


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CITY OF EVANSTON
 TWIGGS PARK
PROPOSED PLAN AND PROFILE
 STA. 0+00 TO STA. 4+50

SCALE: HORIZ. 1" = 20'
 VERT. 1" = 2'
 DATE: 6/20/08
 DRAWN BY: LLM
 CHECKED BY: BA



REVISIONS	NAME	DATE

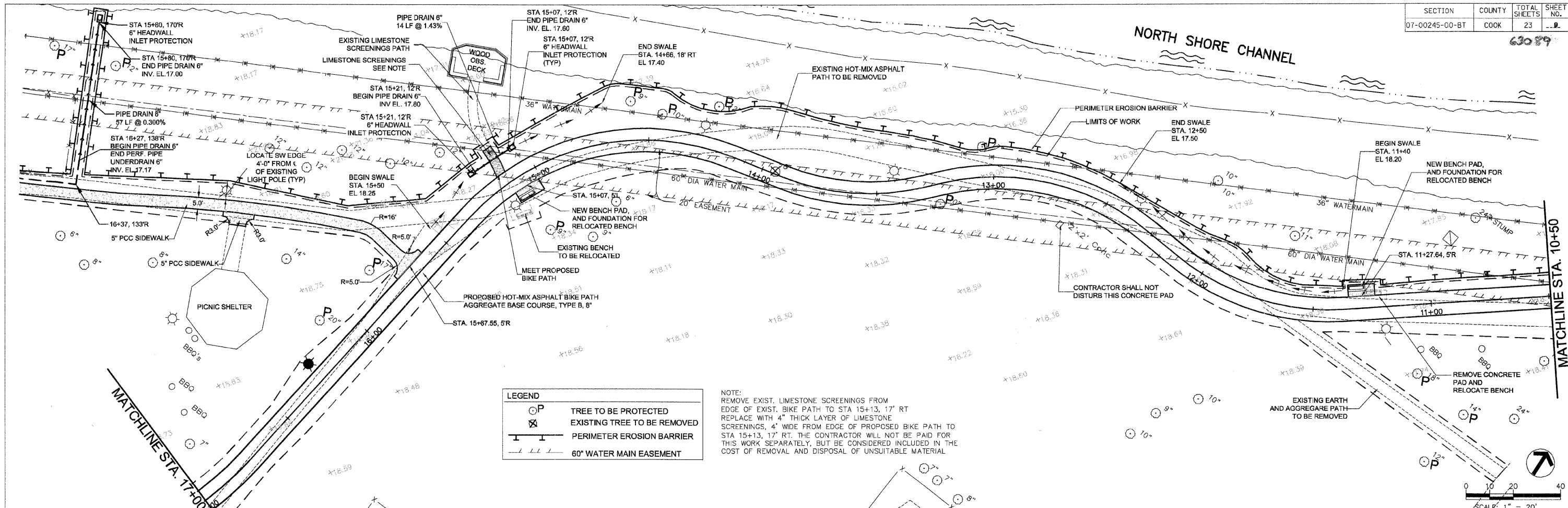
URS 100 S. WACKER DR., SUITE 500 CHICAGO IL, 60606 TEL (312)-939-1000 FAX (312)-939-4198

CITY OF EVANSTON
TWIGGS PARK
**PROPOSED PLAN AND PROFILE
STA. 4+50 TO STA. 10+50**

SCALE: HORIZ. 1" = 20'
VERT. 1" = 2'

DATE: 6/20/08

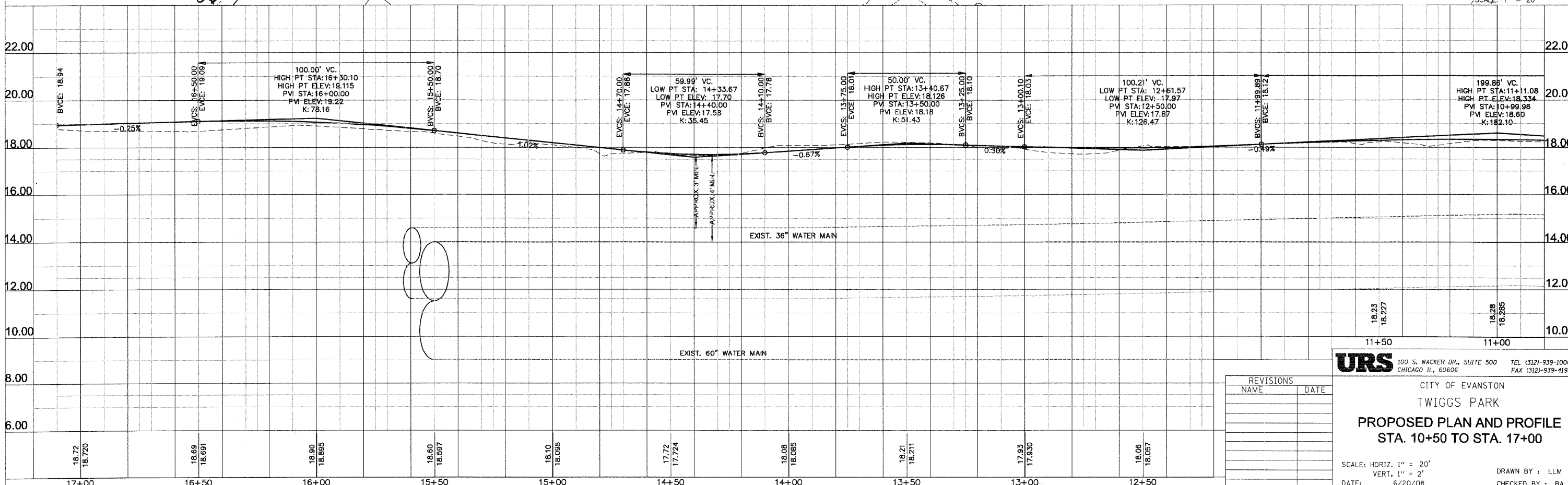
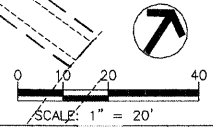
DRAWN BY: LLM
CHECKED BY: BA



LEGEND

	TREE TO BE PROTECTED
	EXISTING TREE TO BE REMOVED
	PERIMETER EROSION BARRIER
	60" WATER MAIN EASEMENT

NOTE: REMOVE EXIST. LIMESTONE SCREENINGS FROM EDGE OF EXIST. BIKE PATH TO STA 15+13, 17' RT. REPLACE WITH 4" THICK LAYER OF LIMESTONE SCREENINGS, 4' WIDE FROM EDGE OF PROPOSED BIKE PATH TO STA 15+13, 17' RT. THE CONTRACTOR WILL NOT BE PAID FOR THIS WORK SEPARATELY, BUT BE CONSIDERED INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL



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CITY OF EVANSTON
TWIGGS PARK
PROPOSED PLAN AND PROFILE
STA. 10+50 TO STA. 17+00

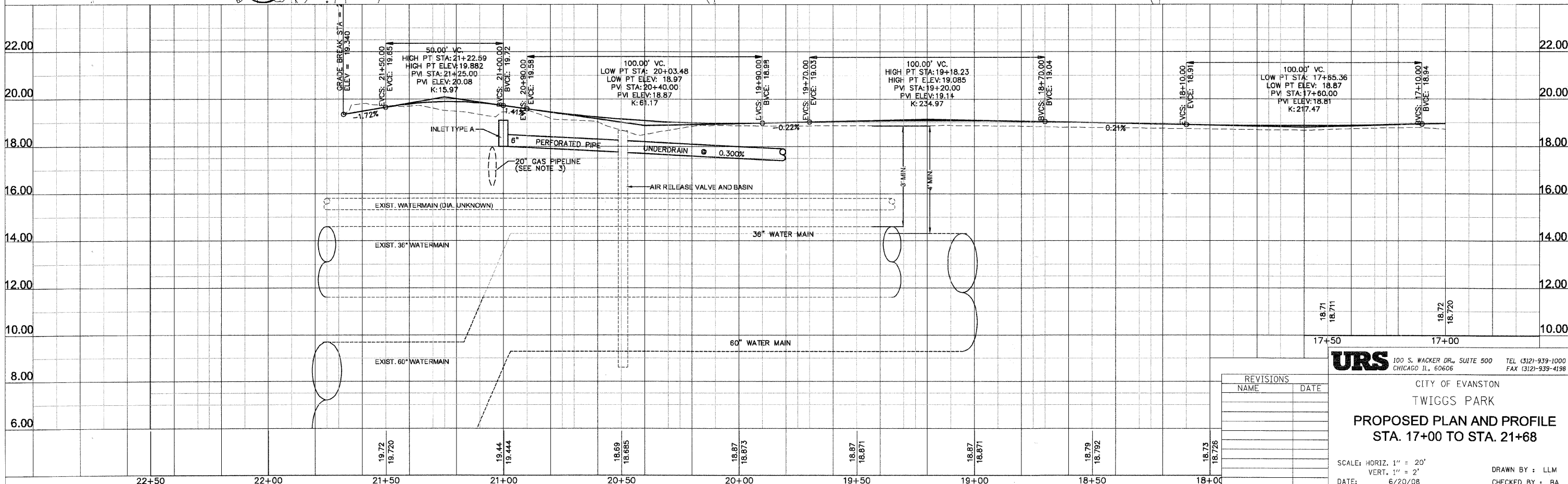
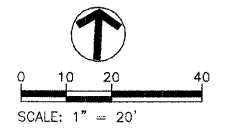
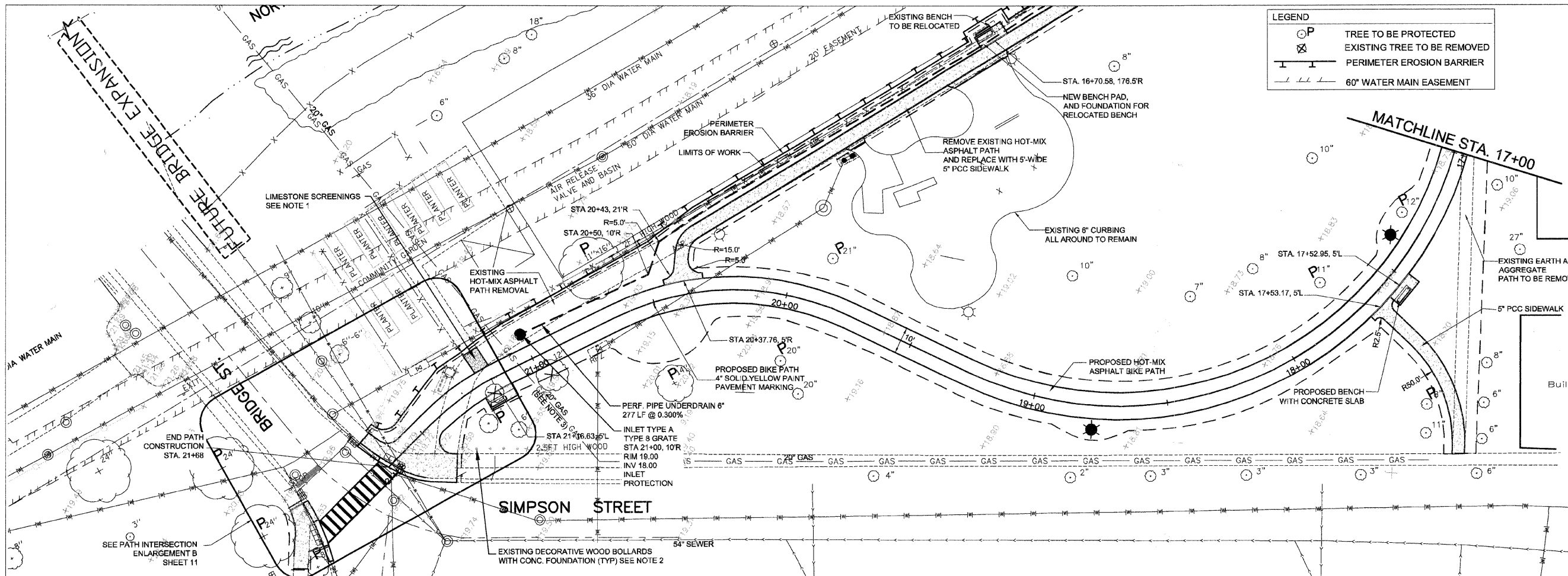
SCALE: HORIZ. 1" = 20'
VERT. 1" = 2'
DATE: 6/20/08

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CHECKED BY: BA

NOTE 1:
CONTRACTOR TO FURNISH AND PLACE 4" THICK LAYER OF LIMESTONE SCREENINGS, 6" WIDE FROM EDGE OF PROPOSED BIKE PATH TO STA 21+19, 15'RT. THE CONTRACTOR WILL NOT BE PAID FOR THIS WORK SEPARATELY, BUT BE CONSIDERED INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

NOTE 2:
CONTRACTOR SHALL REMOVE 8 EXISTING BOLLARDS AND CONCRETE FOUNDATIONS, STORE BOLLARDS SAFELY ON OR OFF-SITE, DISPOSE OF OLD CONCRETE.

NOTE 3:
CONTRACTOR MUST LOCATE AND EXCAVATE FROM THE SURFACE TO THE TOP OF THE EXISTING 20-IN GAS MAIN THAT CROSSES THE EXISTING AND PROPOSED BIKE PATHS. FOR THE PURPOSE OF DETERMINING THE PIPES LOCATION AND ELEVATION, CONTRACTOR MUST EXERCISE EXTREME CARE IN THE EXECUTION OF ALL EXCAVATION, REMOVAL, AND CONSTRUCTION WORK IN THE VICINITY OF THIS GAS MAIN. THE CONTRACTOR WILL NOT BE PAID FOR THIS WORK SEPARATELY, BUT BE INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.



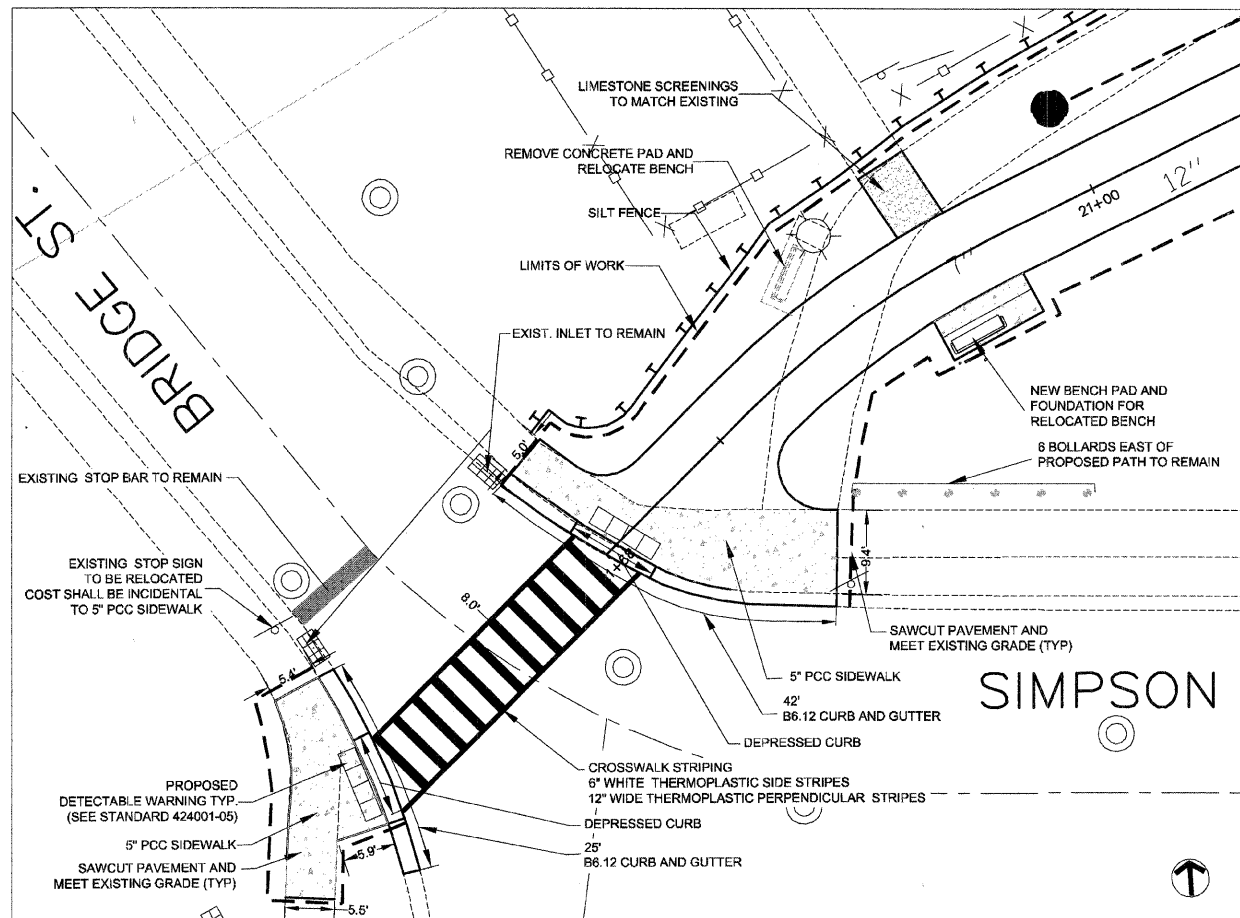
URS 100 S. WACKER DR., SUITE 500 TEL (312)-939-1000
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CITY OF EVANSTON
TWIGGS PARK
PROPOSED PLAN AND PROFILE
STA. 17+00 TO STA. 21+68

REVISIONS	NAME	DATE

SCALE: HORIZ. 1" = 20'
VERT. 1" = 2'
DATE: 6/20/08
DRAWN BY: LLM
CHECKED BY: BA

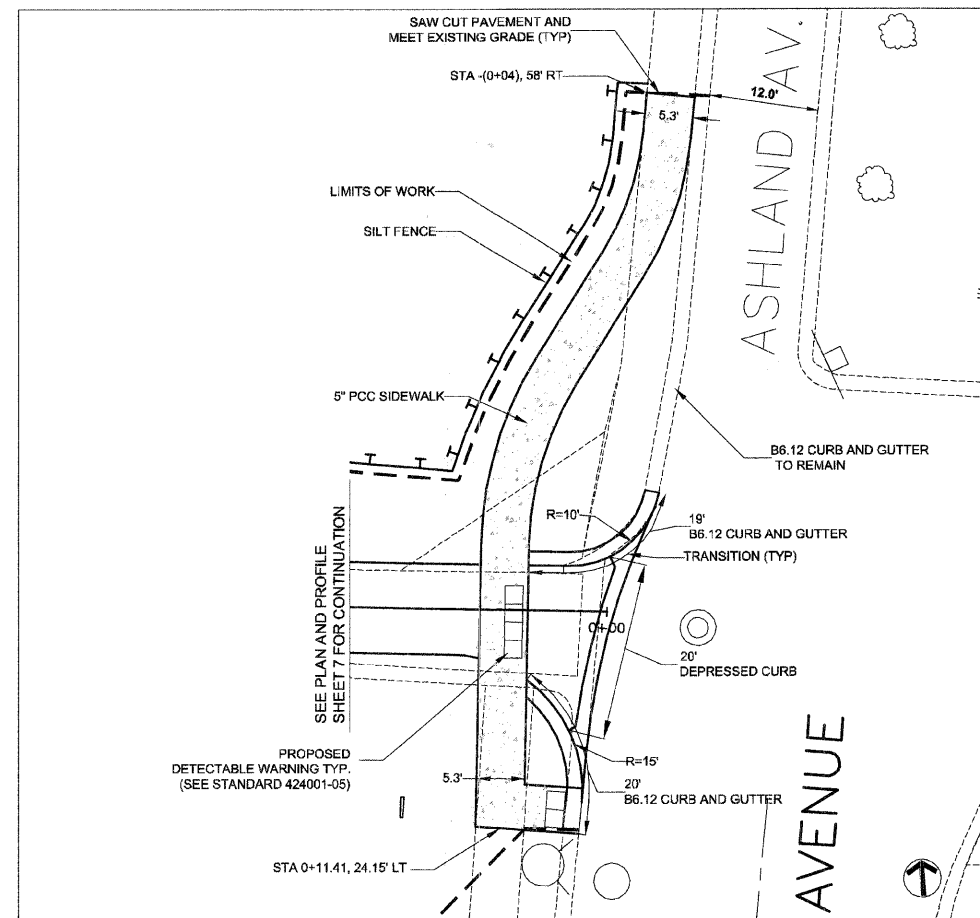
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PATH INTERSECTION ENLARGEMENT B - BRIDGE STREET

PHASING NOTES

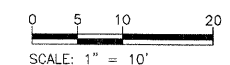
1. STAGE CONSTRUCTION SO SIDEWALKS ON ONE SIDE OF STREET IS OPEN WITH NO OBSTRUCTIONS. USE LIGHTED BARRICADES AND SIGNS TO PREVENT ACCESS TO OPEN TRENCHES



PATH INTERSECTION ENLARGEMENT A - ASHLAND AVENUE

PHASING NOTES

1. MAINTAIN 5' SIDEWALK DURING ALL PERIODS OF CONSTRUCTION USE LIGHTED BARRICADES AND SIGNS TO PREVENT ACCESS TO OPEN TRENCHES.
2. USE AGGREGATE SIDEWALKS 5' WIDE TO MAINTAIN SIDEWALKS IF NECESSARY. IN NO CASE WILL "SIDEWALK CLOSED USE OTHER SIDE" BE ALLOWED. NOR WILL USING A PORTION OF THE STREET AS SIDEWALK BE ALLOWED. AGGREGATE PAID FOR AS AGGREGATE BASE COURSE TYPE B 8"

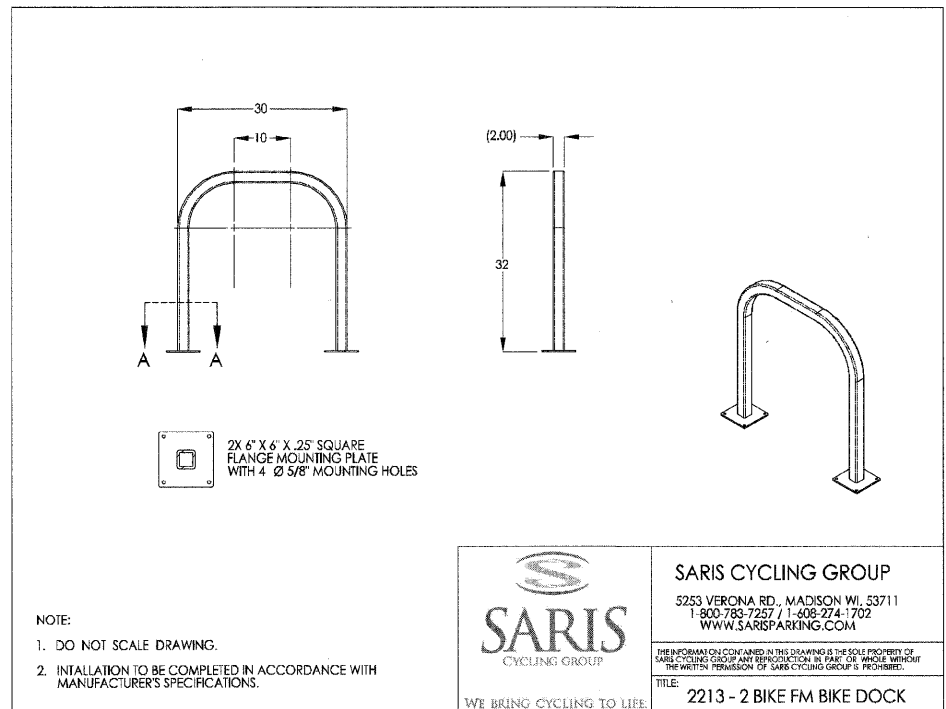


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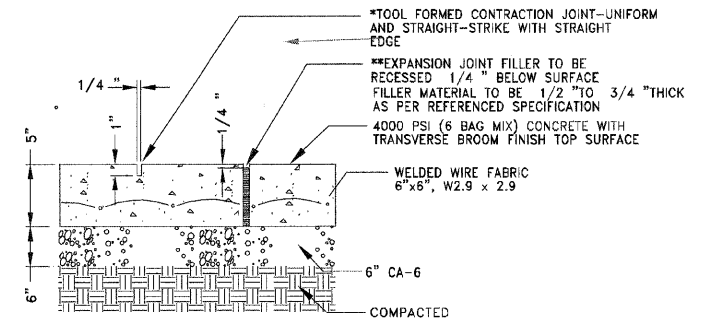
REVISIONS	
NAME	DATE

CITY OF EVANSTON
TWIGGS PARK
PATH INTERSECTION ENLARGEMENT

DATE : 6/20/08
DRAWN BY : LLM
CHECKED BY : BA

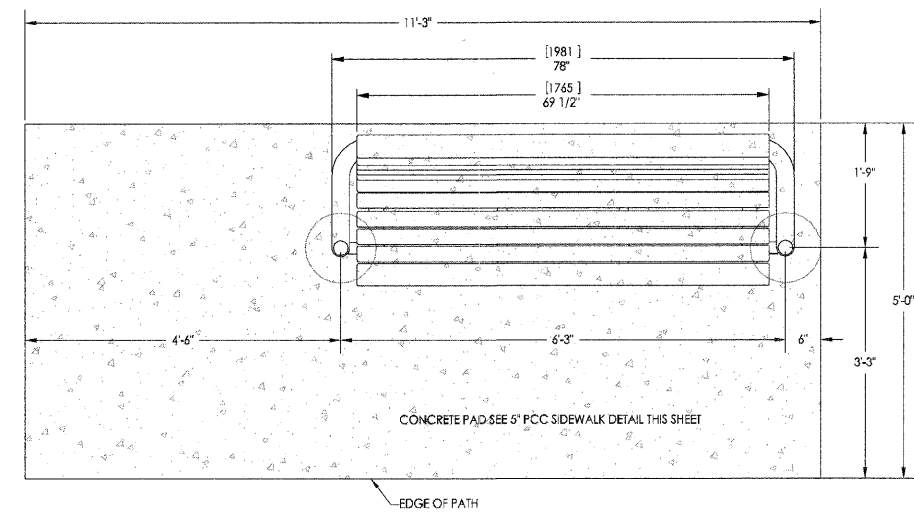
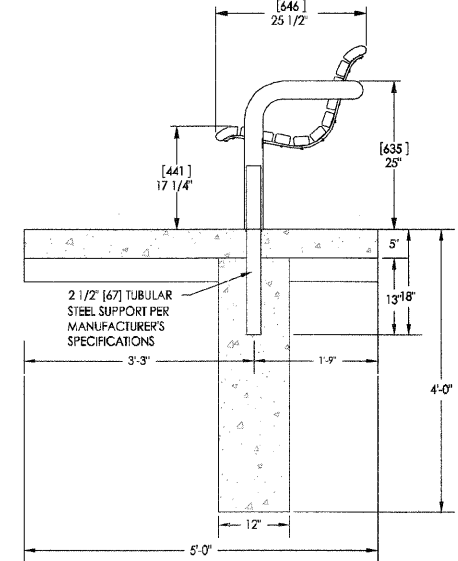
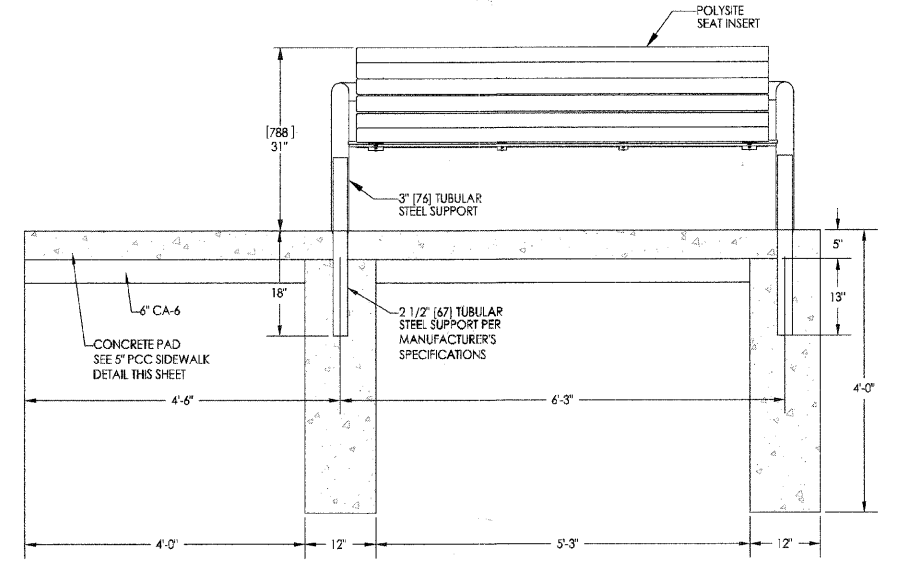


BIKE RACK
NOT TO SCALE



5" PCC SIDEWALK DETAIL
NOT TO SCALE

* CONTRACTION JOINTS TO BE PLACED 6' O.C. MAXIMUM
 ** EXPANSION JOINTS TO BE PLACED AS PER LAYOUT PLAN, 50' O.C. MAXIMUM AND WHENEVER POURING AGAINST EXISTING CONCRETE, MATCH JOINTS IN CURB WHERE APPROPRIATE



BENCH WITH CONCRETE PAD AND FOOTING
NOT TO SCALE

LANDSCAPEFORMS
 DESIGN GROUP: PETOSKEY™
 DESCRIPTION: BENCH
 COLOR: STEEL
 POLYSITE: DRIFTWOOD

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CITY OF EVANSTON
 TWIGGS PARK
CONSTRUCTION DETAILS

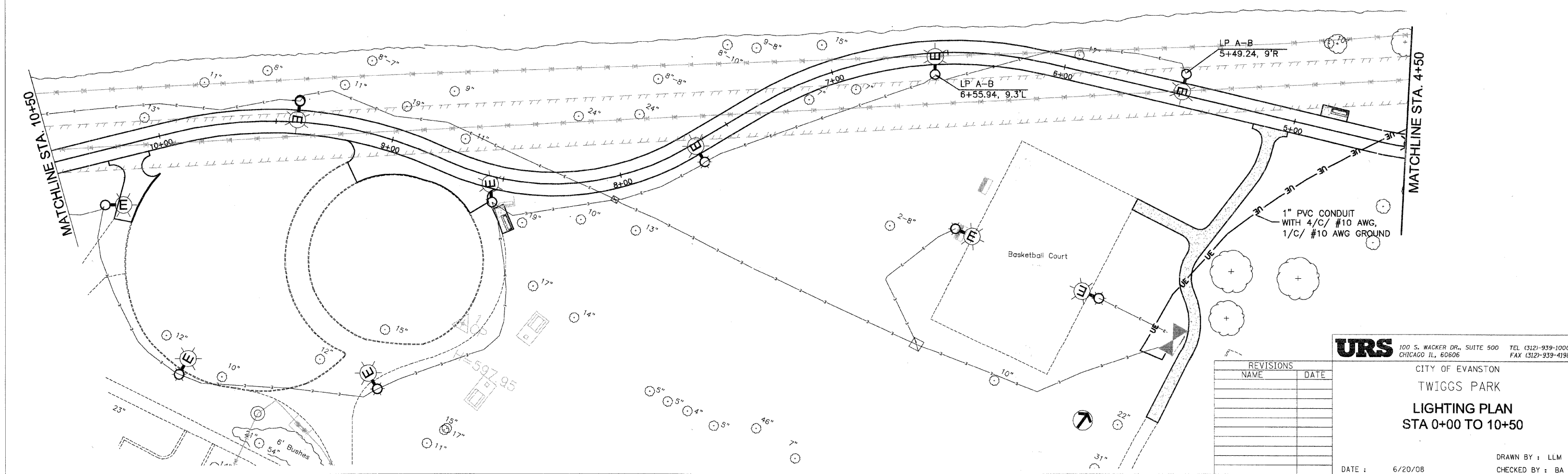
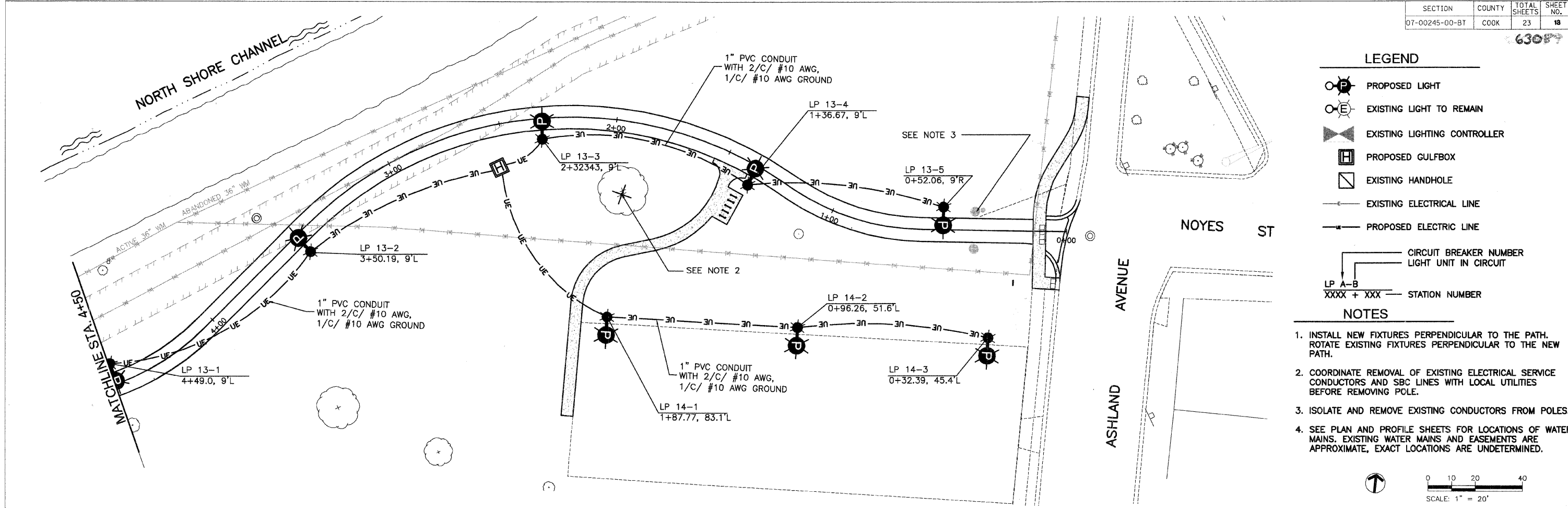
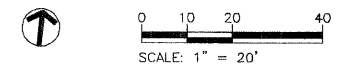
DATE: 6/20/08
 DRAWN BY: LLM
 CHECKED BY: BA

LEGEND

- PROPOSED LIGHT
- EXISTING LIGHT TO REMAIN
- EXISTING LIGHTING CONTROLLER
- PROPOSED GULFBBOX
- EXISTING HANDHOLE
- EXISTING ELECTRICAL LINE
- PROPOSED ELECTRIC LINE
- CIRCUIT BREAKER NUMBER
LIGHT UNIT IN CIRCUIT
- LP A-B
XXXX + XXX — STATION NUMBER

NOTES

1. INSTALL NEW FIXTURES PERPENDICULAR TO THE PATH. ROTATE EXISTING FIXTURES PERPENDICULAR TO THE NEW PATH.
2. COORDINATE REMOVAL OF EXISTING ELECTRICAL SERVICE CONDUCTORS AND SBC LINES WITH LOCAL UTILITIES BEFORE REMOVING POLE.
3. ISOLATE AND REMOVE EXISTING CONDUCTORS FROM POLES.
4. SEE PLAN AND PROFILE SHEETS FOR LOCATIONS OF WATER MAINS. EXISTING WATER MAINS AND EASEMENTS ARE APPROXIMATE, EXACT LOCATIONS ARE UNDETERMINED.



REVISIONS	
NAME	DATE

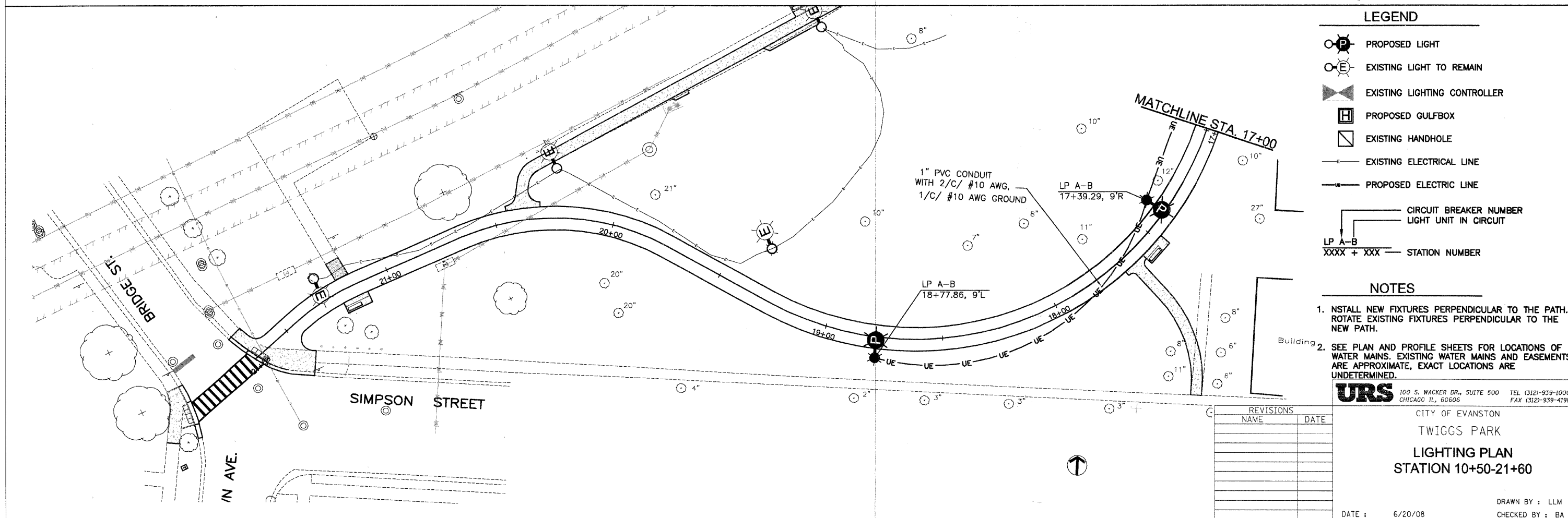
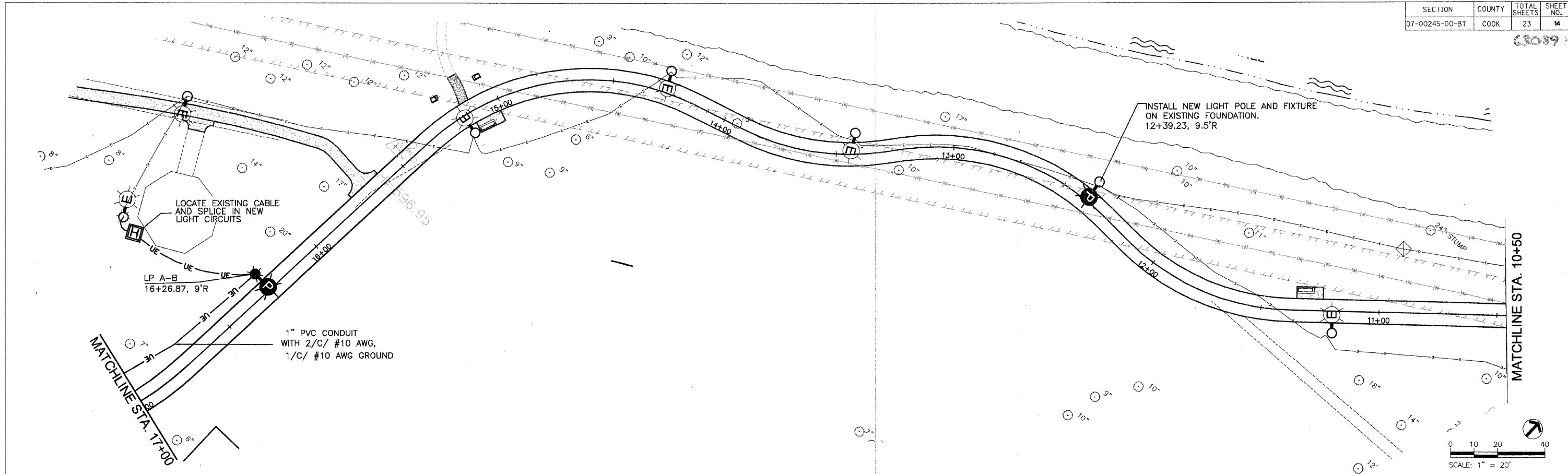
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CITY OF EVANSTON
TWIGGS PARK
LIGHTING PLAN
STA 0+00 TO 10+50

DATE : 6/20/08

DRAWN BY : LLM
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63079



LEGEND

- PROPOSED LIGHT
- EXISTING LIGHT TO REMAIN
- EXISTING LIGHTING CONTROLLER
- PROPOSED GULFBOX
- EXISTING HANDHOLE
- EXISTING ELECTRICAL LINE
- PROPOSED ELECTRIC LINE
- CIRCUIT BREAKER NUMBER
LIGHT UNIT IN CIRCUIT
- LP A-B
XXXX + XXX — STATION NUMBER

- NOTES**
1. INSTALL NEW FIXTURES PERPENDICULAR TO THE PATH. ROTATE EXISTING FIXTURES PERPENDICULAR TO THE NEW PATH.
 2. SEE PLAN AND PROFILE SHEETS FOR LOCATIONS OF WATER MAINS. EXISTING WATER MAINS AND EASEMENTS ARE APPROXIMATE, EXACT LOCATIONS ARE UNDETERMINED.

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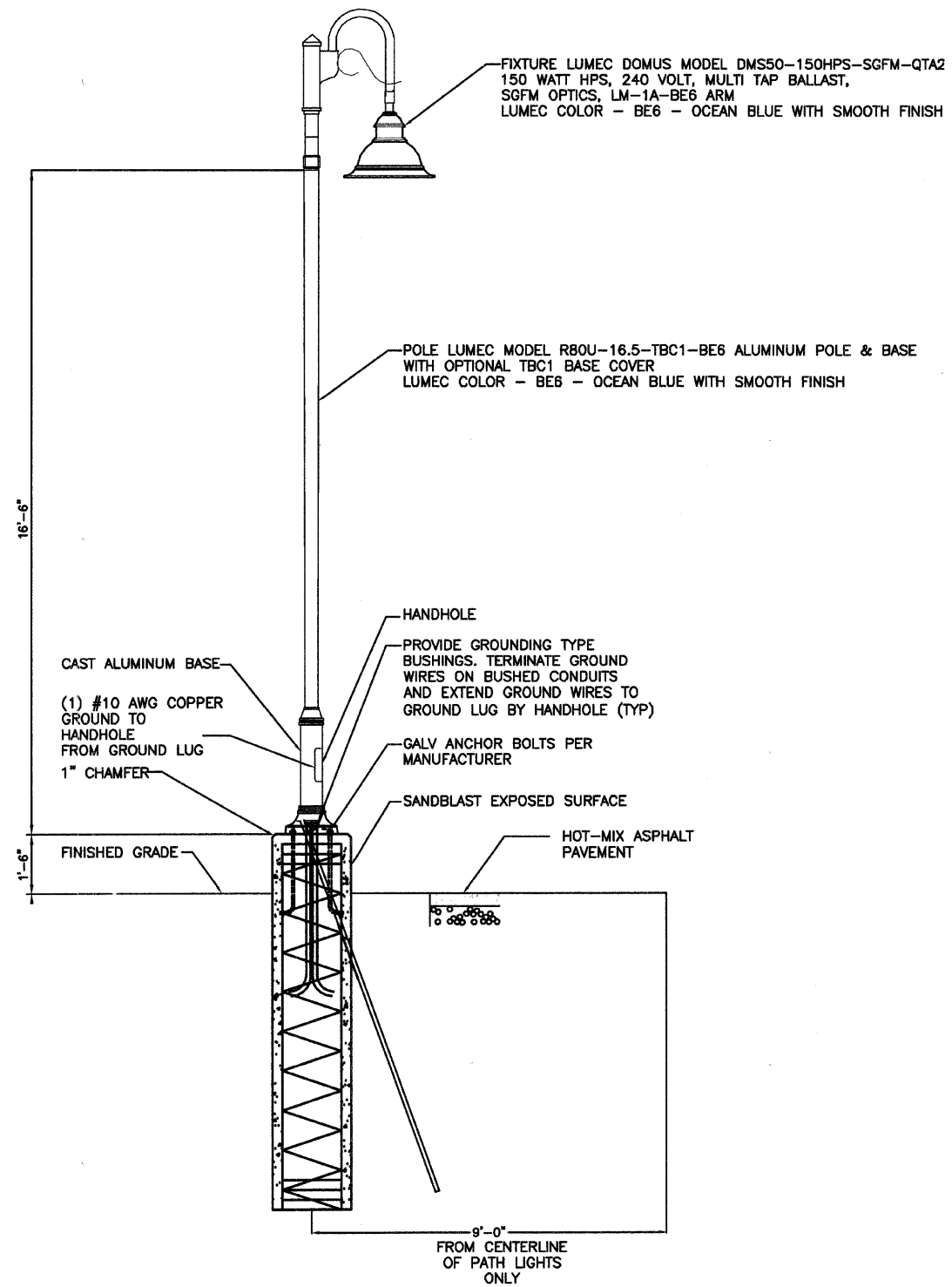
REVISIONS	
NAME	DATE

CITY OF EVANSTON
TWIGGS PARK
LIGHTING PLAN
STATION 10+50-21+60

DATE : 6/20/08

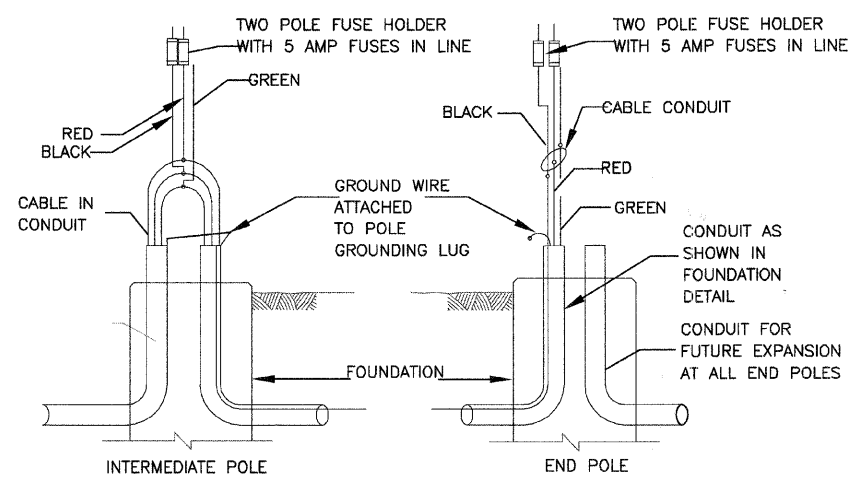
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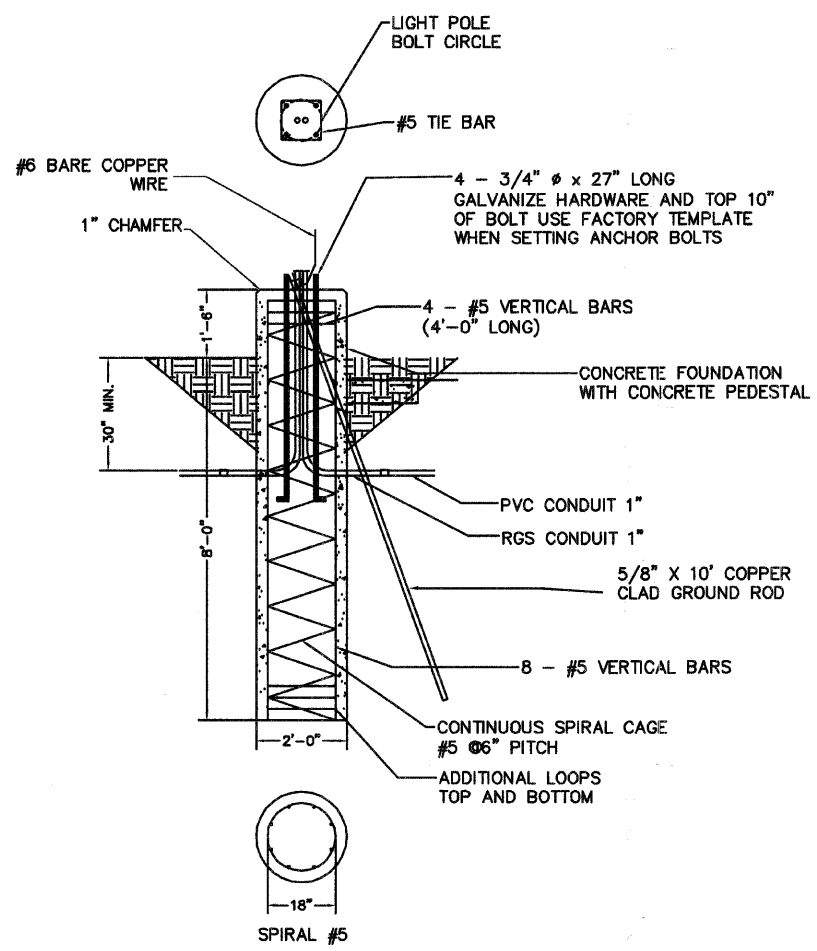


LIGHT FIXTURE AND POLE

FOR PARKING LOT AND PATHWAY LIGHTS
N.T.S.



WIRING DETAIL



POLE FOUNDATION

FOR PARKING LOT AND PATHWAY LIGHTS
N.T.S.

LEGEND

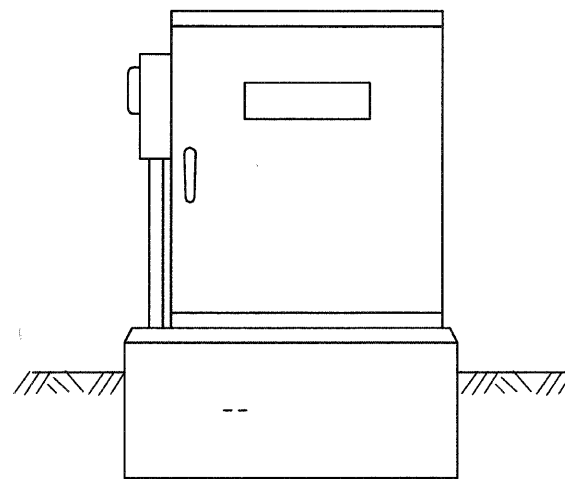
- PROPOSED LIGHT
- EXISTING LIGHT TO REMAIN
- EXISTING LIGHTING CONTROLLER
- PROPOSED GULFBOX
- EXISTING HANDHOLE
- EXISTING ELECTRICAL LINE
- PROPOSED ELECTRIC LINE
- CIRCUIT BREAKER NUMBER LIGHT UNIT IN CIRCUIT
- LP A-B
XXXX + XXX STATION NUMBER

REVISIONS	NAME	DATE

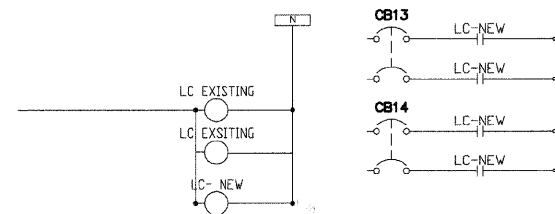
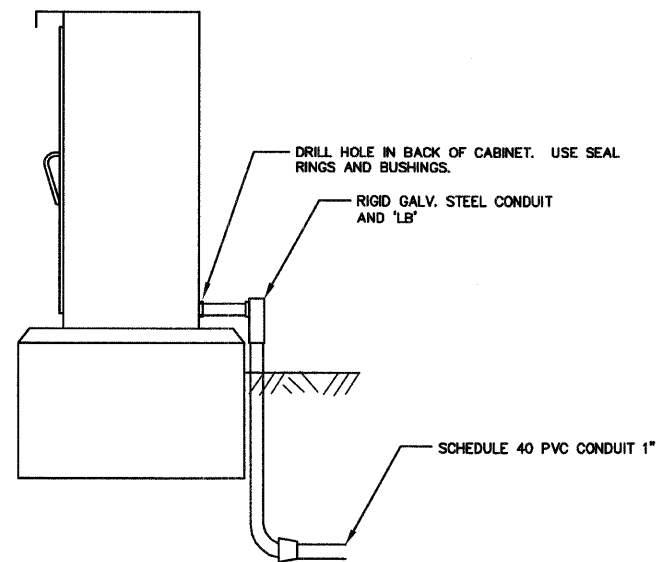
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CITY OF EVANSTON
TWIGGS PARK
LIGHTING DETAILS

DATE : 6/20/08
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EXISTING LIGHTING CABINET DETAIL



NEW LIGHT FIXTURES AT EAST END OF PATH

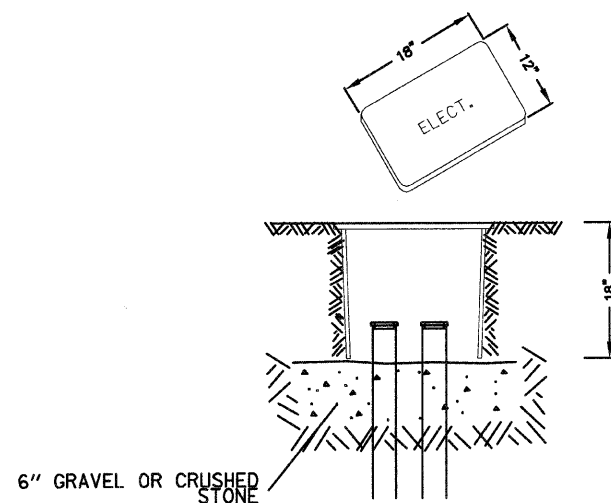
NEW LIGHT FIXTURES AT PARKING LOT

NOTES

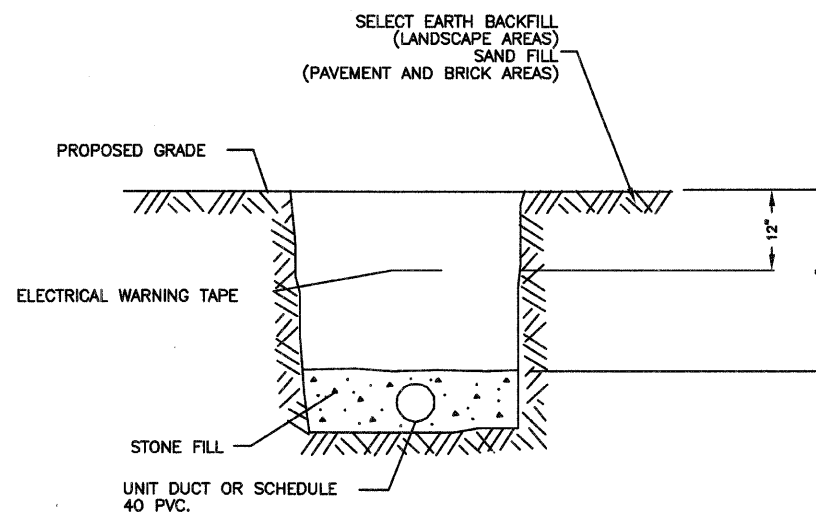
1. INSTALL NEW LIGHTING CONTACTOR IN PARALLEL WITH EXISTING LIGHTING CONTACTOR.
2. INSTALL TWO NEW 2 POLE CIRCUIT BREAKERS IN EXISTING PANELBOARD AND TO NEW LIGHTING CONTACTOR
3. CONNECT TWO NEW LIGHTING CIRCUITS TO THE NEW LIGHTING CONTACTOR.

LEGEND

- PROPOSED LIGHT
- EXISTING LIGHT TO REMAIN
- EXISTING LIGHTING CONTROLLER
- PROPOSED GULFBOX
- EXISTING HANDHOLE
- EXISTING ELECTRICAL LINE
- PROPOSED ELECTRIC LINE
- CIRCUIT BREAKER NUMBER
LIGHT UNIT IN CIRCUIT
- LP A-B
XXXX + XXX — STATION NUMBER



GULF BOX JUCTION



TRENCH DETAIL

From	To	CONDUIT IN TRENCH, 1" PVC (FT)	ELECT CABLE IN CONDUIT 1/C#10 (FT)	GULFBOX JUNCTION EACH	TRENCH AND BACKFILL FOR ELECTRICAL FOOT	LIGHT POLE FOUNDATION FOOT	MODIFY EXISTING LIGHTING CONTROLLER EACH	ORNAMENTAL LIGHTING UNIT COMPLETE EACH	ROTATE LIGHT FIXTURES EACH
West End									
18+78.2 (LP A-3)	17+38.4 (LP A-2)	149	495	149		9.5		1	
17+38.4 (LP A-2)	16+26.2 (LP A-1)	107	369	107		9.5		1	
16+26.2 (LP A-1)	H-1	50	198	50	1	9.5		1	
H-1	Existing Pole at Shelter	5	39	5					
East End									
Control Box	04+33.6 (LP 13-1)	180	990	180		9.5	1	1	
04+33.6 (LP 13-1)	03+49.7 (LP 13-2)	87	515	87		9.5		1	
03+49.7 (LP 13-2)	02+32.2 (LP 13-3)	104	600	104		9.5		1	
02+32.2 (LP 13-3)	01+35.7 (LP 13-4)	103	357	103		9.5		1	
01+35.7 (LP 13-4)	00+51.8 (LP 13-5)	79	285	79		9.5		1	
Parking Lot									
HAND HOLE H-2	LP 14-1	78	282	78	1	9.5		1	
LP 14-1	LP 14-2	72	264	72		9.5		1	
LP 14-2	LP 14-3	90	318	90		9.5		1	
Existing Fixtures									
05+00	10+00								5
10+00	16+00								4
21+00	Bridge St.								1
Total		1104	4702	1104	2	104.5	1	12	10

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CITY OF EVANSTON
TWIGGS PARK
LIGHTING DETAILS

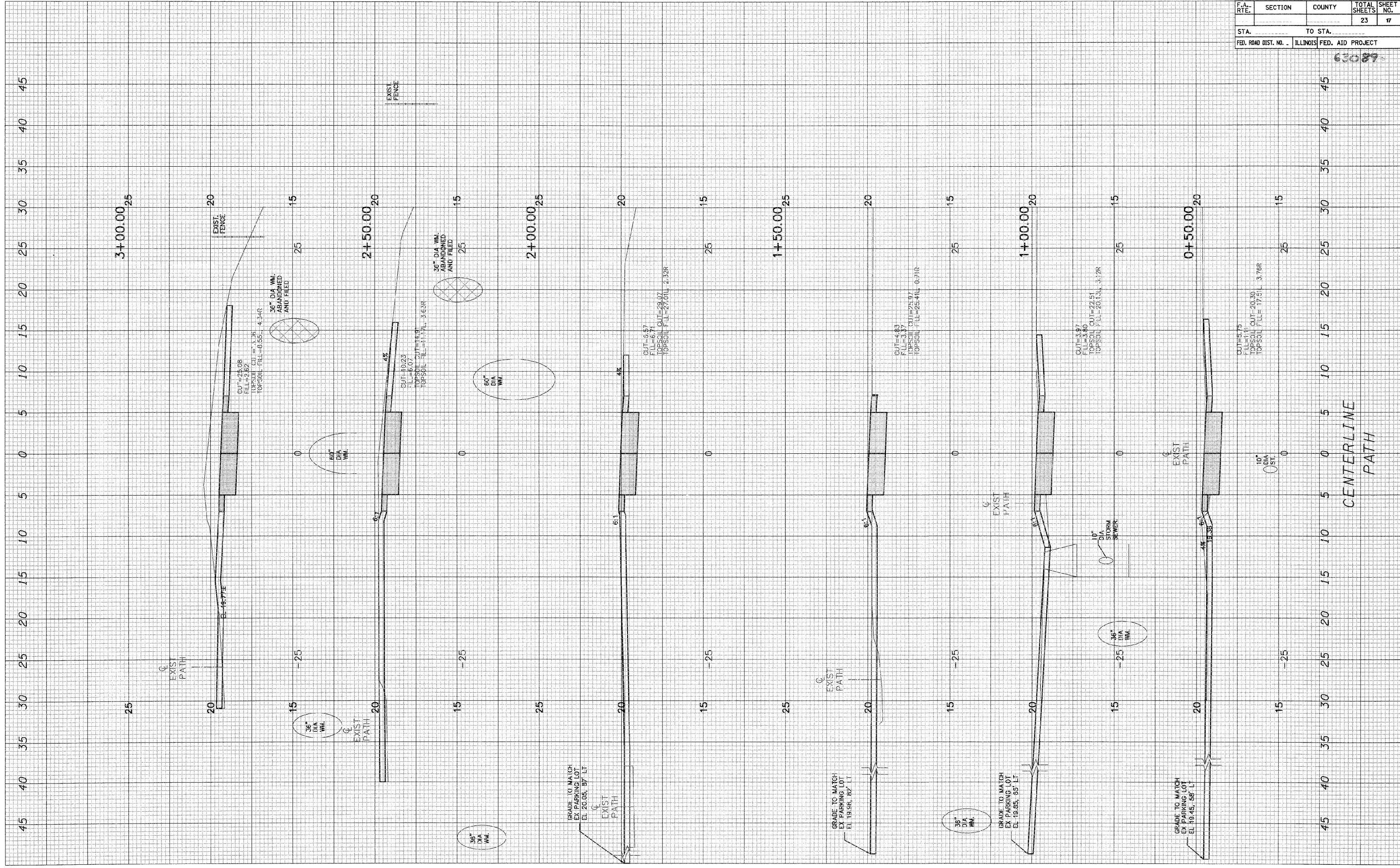
DATE : 6/20/08

DRAWN BY : LLM
CHECKED BY : BA

PLOT DATE: *DATE*
 FILE NAME: *FILE*
 USER NAME: *USER*

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED BY DATE

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED BY DATE



CONTRACT NO. _____			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
			23
STA.	TO STA.		
ILLINOIS FED. AID PROJECT			

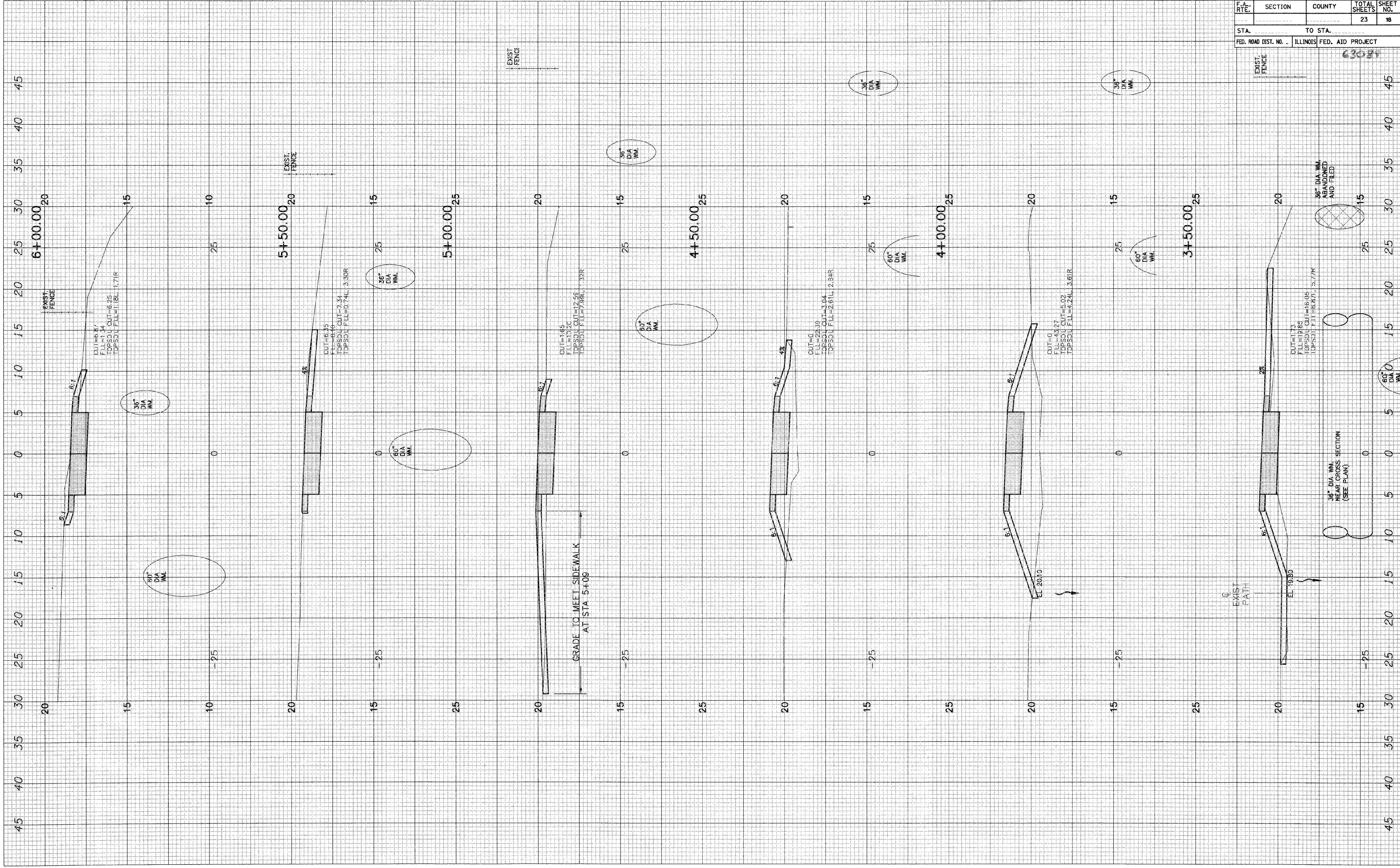
63087

CENTERLINE PATH

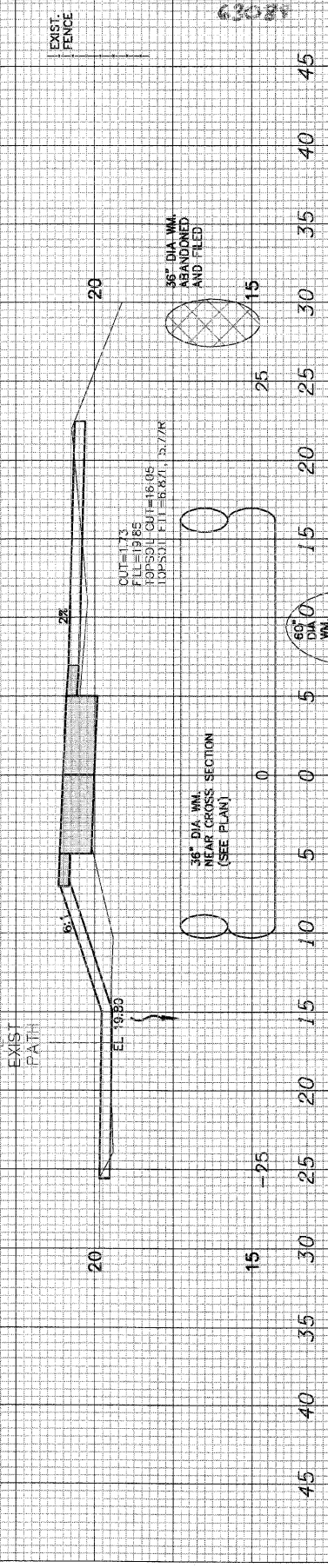
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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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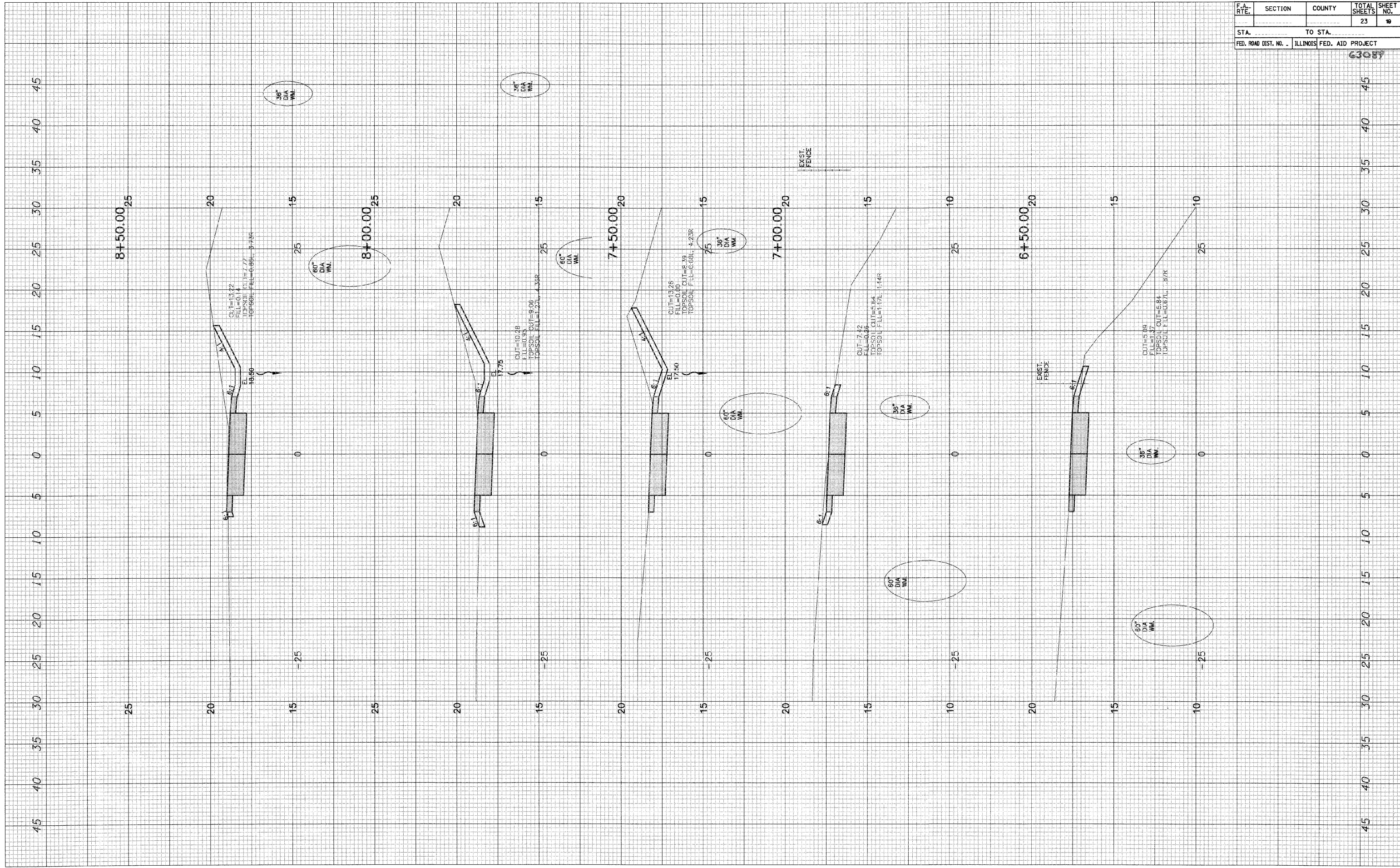
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			23	18
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT _____		



PLOT DATE = #DATE*
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ORIGINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		
AREAS DESIGNED		

FINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		
AREAS DESIGNED		



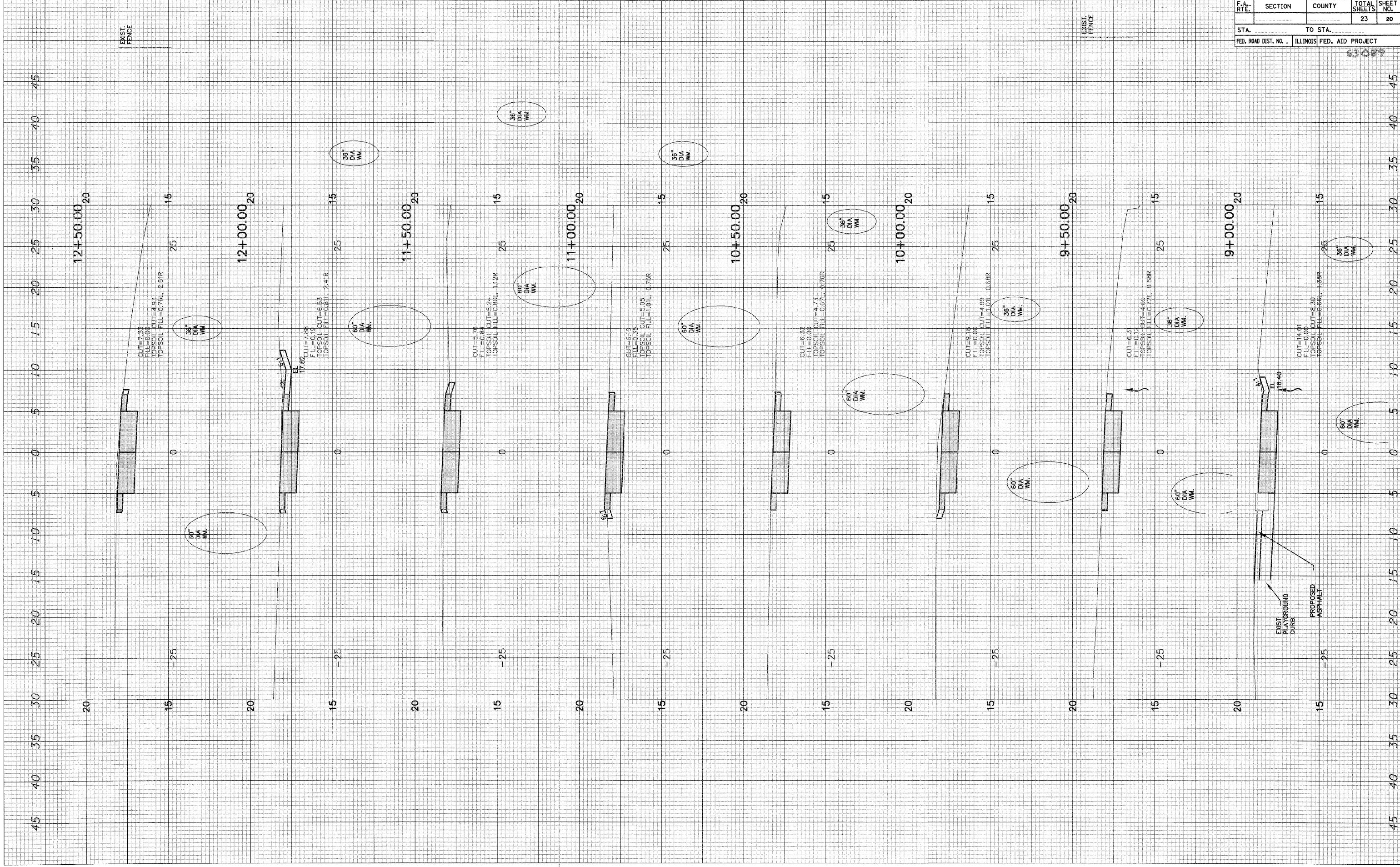
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						23		19	
STA.				TO STA.					
FED. ROAD DIST. NO. - ILLINOIS				FED. AID PROJECT					

63087

PLOT DATE = 04/26/04
 FILE NAME = WELLS
 USER NAME = WJSEK

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

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

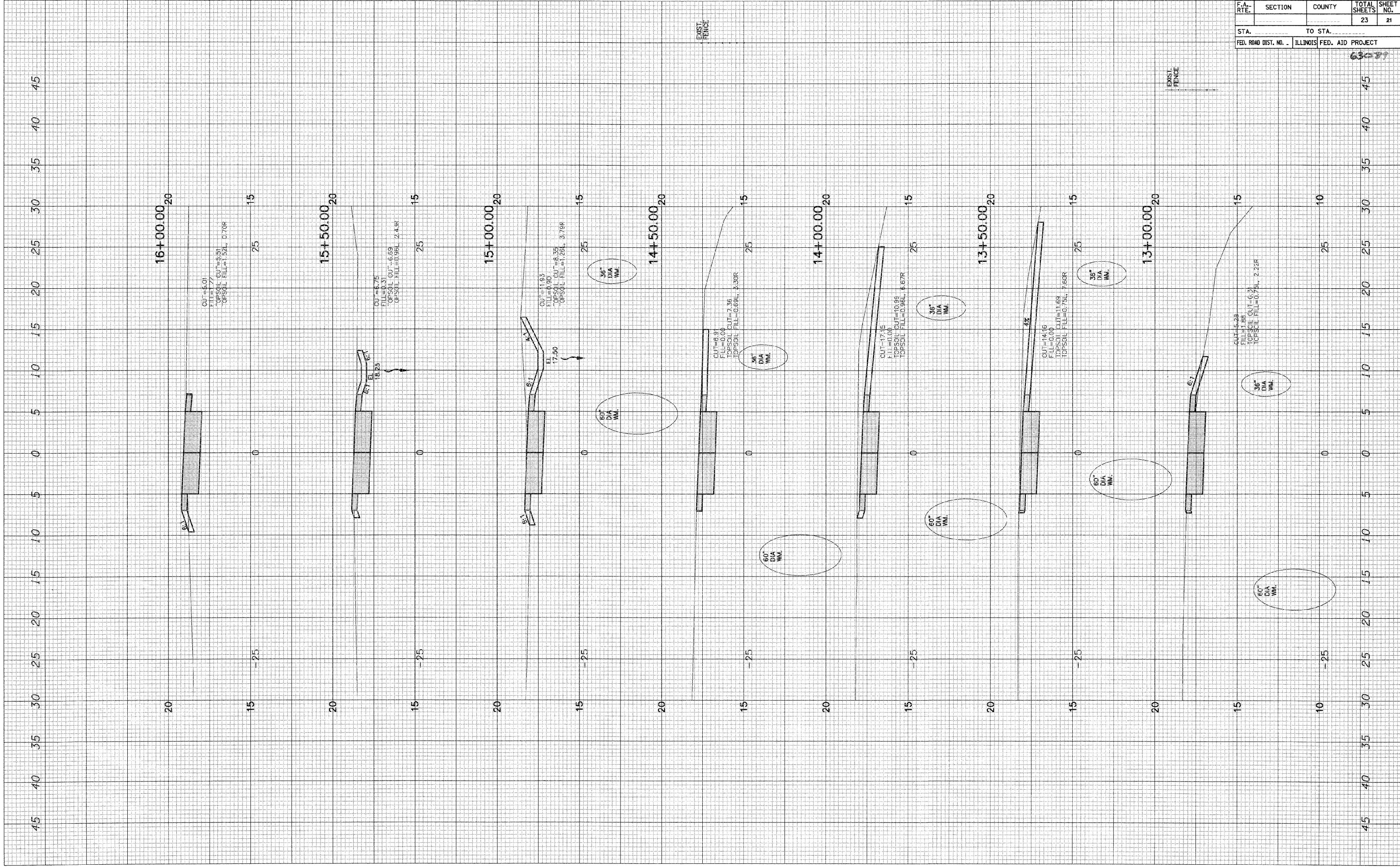


CONTRACT NO. 63087				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			23	20
STA. 9+00.00		TO STA. 12+50.00		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

PLOT DATE = 04/26/04
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 USER NAME = USER1

ORIGINAL SURVEY	DATE
SEARCHED	
INDEXED	
NOTE BOOK	
AREAS CHECKED	

FINAL SURVEY	DATE
SEARCHED	
INDEXED	
NOTE BOOK	
AREAS CHECKED	

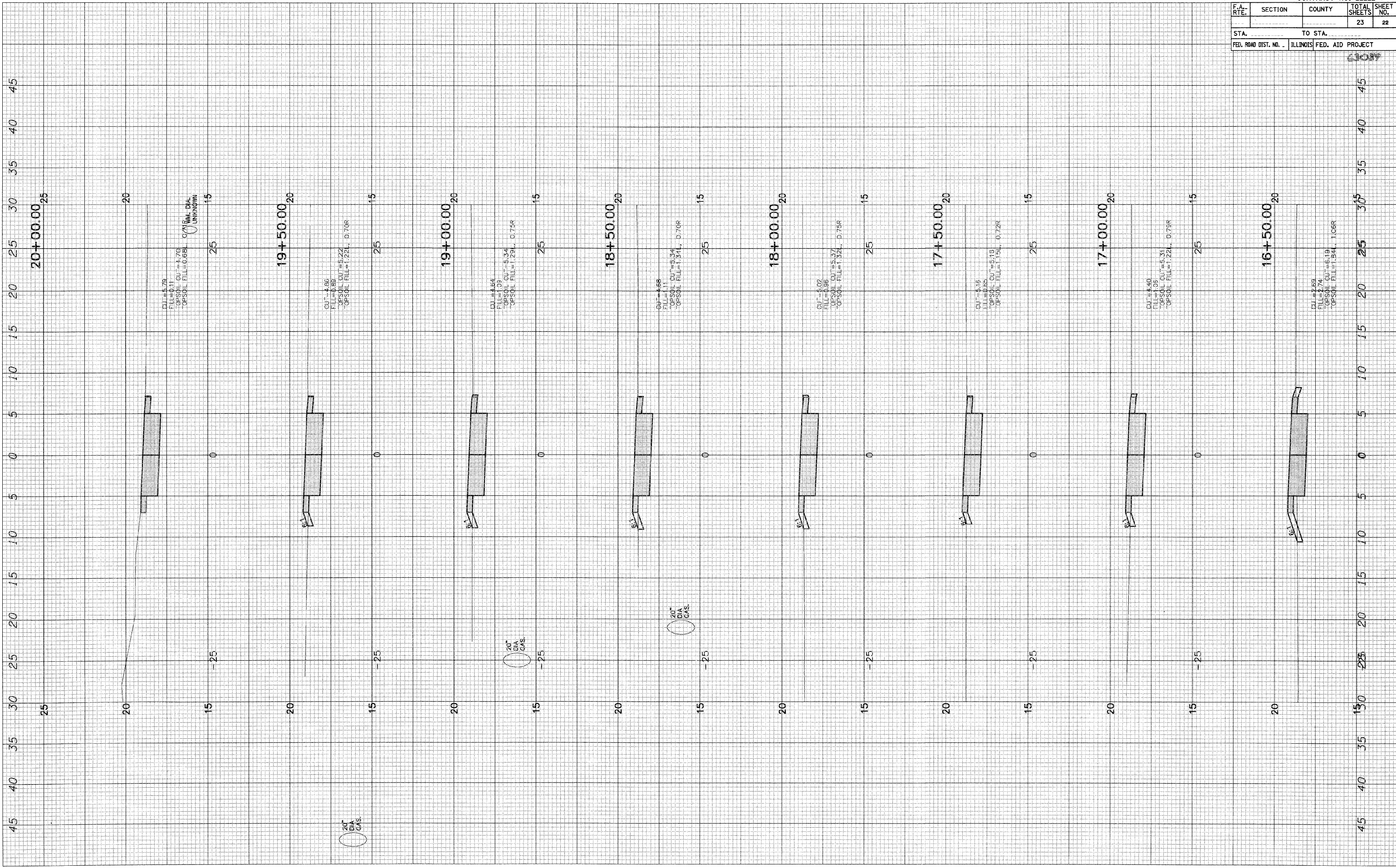


CONTRACT NO. _____				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			23	21
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

PLOT DATE = 04/26/08
 FILE NAME = #111111
 USER NAME = MUSERN

ORIGINAL SURVEY PLOTTED AREAS CHECKED
 BY: _____ DATE: _____

FINAL SURVEY PLOTTED AREAS CHECKED
 BY: _____ DATE: _____

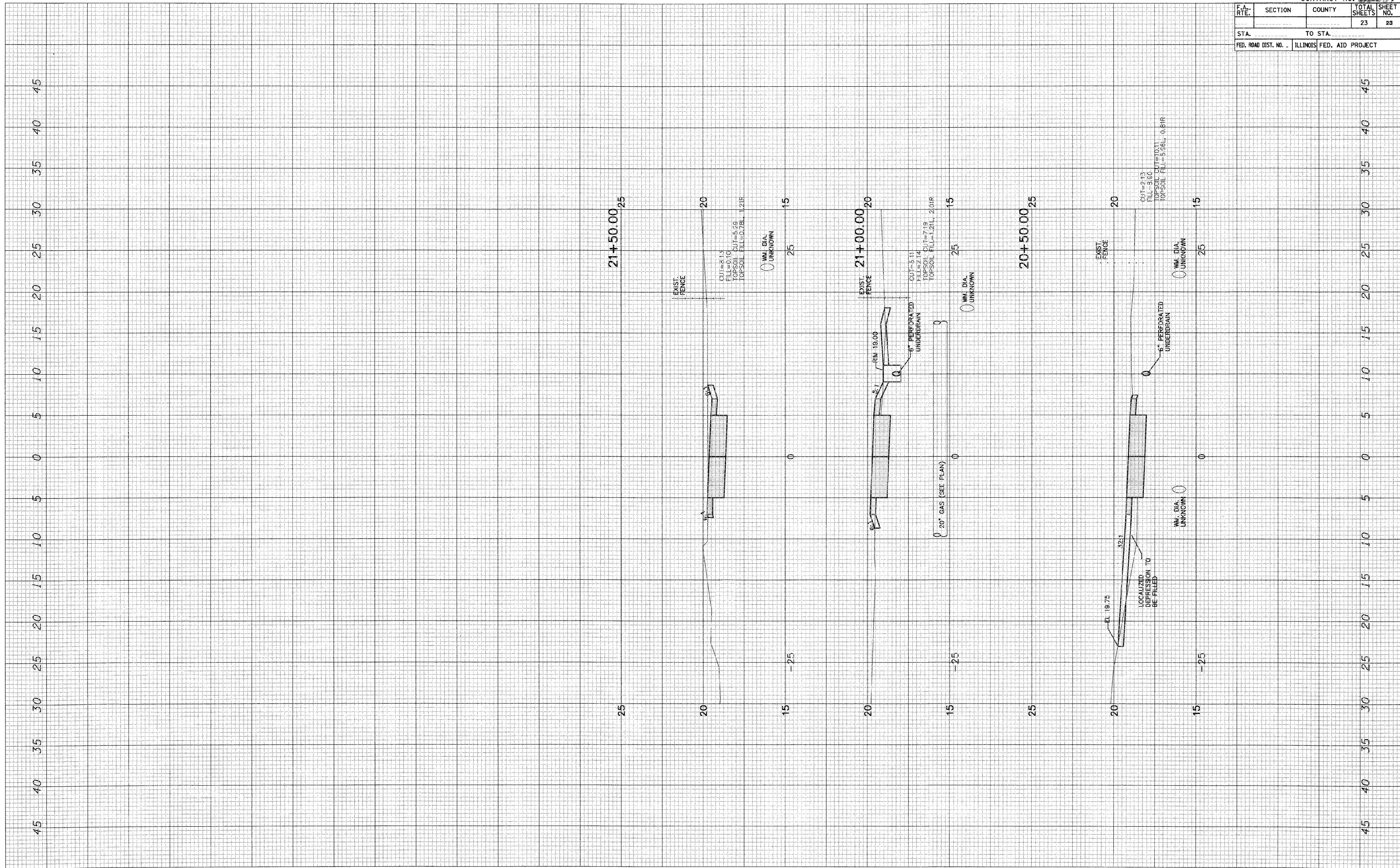


CONTRACT NO. 1007				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			23	22
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		

PLOT DATE = 04/24/04
 FILE NAME = #FILEL#
 USER NAME = #USER#

ORIGINAL SURVEY	DATE
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	

FINL SURVEY	DATE
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	



CONTRACT NO. 20070				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			23	23
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		