

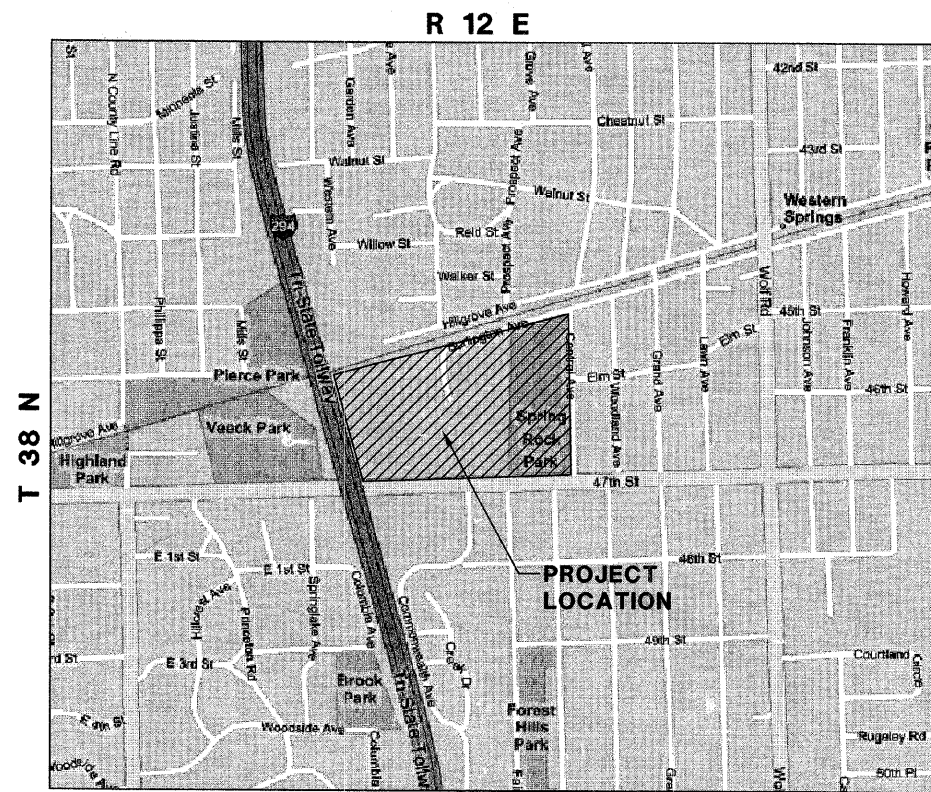
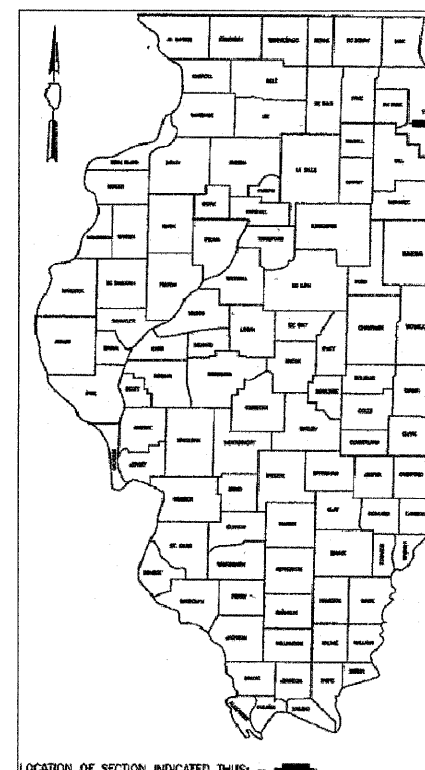
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

CENTRAL AVE & 47th STREET  
PARKING LOT IMPROVEMENTS  
SECTION NO: 05-P4096-00-PK  
PROJECT NO: HPP-3466 (001)  
WESTERN SPRINGS PARK DISTRICT  
COOK COUNTY  
JOB NO. C-91-540-08

F.A. RITE	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

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LOCATION MAP  
SECTION 6  
LYONS TOWNSHIP

GROSS LENGTH = 1585 FEET  
NET LENGTH = 1585 FEET  
ADT < 5,000 (PARKING LOT)

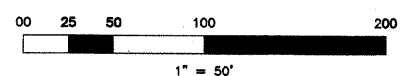
IDOT STANDARDS REFERENCED

STANDARD NO.	DESCRIPTIONS
000001-05	STANDARDS SYMBOLS, ABBREVIATIONS, & PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS (SHEET 2)
420001-07	PAVEMENT JOINTS
424001-05	CURB RAMPS FOR SIDEWALKS
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001	CATCH BASIN TYPE A
602401-01	MANHOLE TYPE A
604001-02	FRAME AND LIDS, TYPE 1
604036-01	GRATE, TYPE 8
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-01	CHAIN LINK FENCE (ALL 3 SHEETS)
701701-05	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
780001-01	TYPICAL PAVEMENT MARKINGS

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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.

CONTRACT NO. : 63060

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

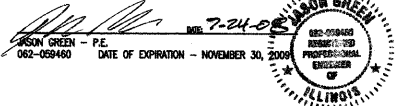
APPROVED *Craig Himmelmann* JULY 25, 20 08  
CRAG HIMMELMANN WESTERN SPRINGS PARK DISTRICT

PASSED *July 25* 20 08  
*CH* CHRISTOPHER HOET  
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED REVIEW *July 25* 20 08  
*Diana M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

CIVIL ENGINEERING STATEMENT AND SEAL

I, JASON GREEN, P.E., DAILY LICENSED IN THE STATE OF ILLINOIS BY THE DEPARTMENT OF REGISTRATION AND EDUCATION, DO HEREBY STATE THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF DOES CONFORM TO THE APPLICABLE BUILDING CODES AND ORDINANCES, AND ARE IN COMPLIANCE WITH THE ENVIRONMENTAL SERVICES ACT (410 ILCS 25) AND THE ILLINOIS ACCESSIBILITY CODE (71 ILL. ADM. CODE 300).



PRINTED BY THE AUTHORITY OF THE  
STATE OF ILLINOIS

DATE	05/23/08
SCALE:	1" = 50'
DRAWN:	JFG
CHECK:	TOA
JOB:	CE06316
SHEET:	1 OF 26

REVISIONS

BY	DATE	DESCRIPTION
JFG	6-18-08	PER IDOT COMMENTS
JFG	6-24-08	PER IDOT COMMENTS
JFG	7-18-08	PER IDOT COMMENTS
JFG	7-25-08	PER IDOT COMMENTS

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www.wtengineering.com  
IL License No.: 184-003492 Exp: 04/30/09

**W-T**

SPRING ROCK PARK  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

TITLE SHEET

FIELD ENGINEER: MARILYN SOLOMON 847-705-4407

**ELECTRICAL SPECIFICATIONS**

- IT IS THE INTENT OF THIS PROJECT TO REPLACE THE EXISTING TENNIS COURT ELECTRICAL SERVICE WITH A NEW "STATE OF THE ART" SERVICE. OPERATION OF THE TENNIS COURT LIGHTING SYSTEM IS TO REMAIN AS IS WITH THE NEW EQUIPMENT.
- THE GENERAL CONDITIONS AND SUPPLEMENTAL GENERAL CONDITIONS BY THE ENGINEER SHALL GOVERN WHERE APPLICABLE.
- THIS CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.
- ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST-CLASS WORKMANLIKE MANNER AND SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL; ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCES, PRESERVE MAXIMUM HEADROOM, AND AVOID OMISSIONS.
- RECEPTACLES AND SWITCHES SHALL BE THE TYPE AS SHOWN ON THE DRAWINGS AND SHALL BE SPECIFICATION GRADE.
- MINIMUM BRANCH WIRE SIZE SHALL BE #12 AWG COPPER EXCEPT FOR CONTROL AND SIGNAL CIRCUITS. INSULATION (INTERIOR) SHALL BE SOLID TYPE THIN OR THIN SIZES #12 THROUGH #10. SIZES #8 THROUGH #50 MCM SHALL BE STRANDED TYPE THIN OR THIN AT THE CONTRACTOR'S OPTION.
- MINIMUM OUTLET BOXES SHALL BE 4" SQUARE, UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS BUT SHALL CONTACT THE PROJECT ENGINEER FOR ALL DIMENSIONAL DATA AND SHALL VERIFY EXACT LOCATION AND MOUNTING HEIGHTS OF ALL OUTLETS WITH ENGINEER AND/OR OWNER PRIOR TO INSTALLATION.
- GROUNDING SHALL COMPLY WITH REQUIREMENTS OF ALL APPLICABLE CODES.
- ALL MATERIALS USED SHALL BE NEW AND BEAR THE UL LABEL AND BE OF THE APPROPRIATE NEMA STANDARD.
- LAYOUT IS DIAGRAMMATIC AND WORK SHALL BE INSTALLED TO MEET FIELD CONDITIONS AND EQUIPMENT SELECTED. PROVIDE SHOP DRAWINGS AS REQUIRED AND VERIFY ALL EQUIPMENT.
- PANELBOARDS SHALL BE DEAD FRONT WITH BOLT-ON TYPE CIRCUIT BREAKERS WCU BUS. A TYPED LEGEND, UNDER A CLEAR PLEXAN-GLASS SHALL BE PROVIDED FOR CIRCUIT IDENTIFICATION.
- CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND REQUIRED INSPECTION FEES.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE AND REVIEW THE ELECTRICAL CHARACTERISTICS, AMPACITY AND OTHER REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE THE LOCATIONS OF CONDUIT ROUTING, EQUIPMENT, LIGHTING, ETC. WITH ALL OTHER TRADES IN THE FIELD PRIOR TO INSTALLATION.
- THE ENTIRE INSTALLATION OF ALL COMPONENTS OF THIS PROJECT SHALL COMPLY WITH ALL FEDERAL ADA REQUIREMENTS. VERIFY EXACT LOCATIONS AND HEIGHTS OF ALL FIXTURES AND OUTLETS BEFORE INSTALLATION TO INSURE COMPLIANCE WITH FEDERAL REGULATIONS.
- FOR CLARITY OF ALL PLANS, SOME CONDUIT AND WIRE HAS NOT BEEN SHOWN. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL COMPLETE AND OPERATING SYSTEMS INCLUDING ALL CONDUIT AND WIRING.
- FOR ALL NIGHT LIGHTING, EXIT SIGNS AND BATTERY POWERED EMERGENCY LIGHTING CIRCUITS, THIS CONTRACTOR SHALL USE #10 AWG FOR THE ENTIRE CIRCUIT LENGTH UNLESS INDICATED OTHERWISE.
- THIS CONTRACTOR SHALL INSPECT THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS TO DETERMINE HIS ENTIRE SCOPE OF WORK. THIS CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND EXTENT OF DEMOLITION AND NEW WORK FOR THIS PROJECT PRIOR TO SUBMITTING HIS BID.
- THE ELECTRICAL INSTALLATION IS TO BE IN STRICT ACCORDANCE WITH THE APPLICABLE RULES AND REGULATIONS OF ALL LOCAL, STATE AND FEDERAL ELECTRICAL CODES AND THE LOCAL UTILITY COMPANY REQUIREMENTS OR ANY OTHER AUTHORITIES HAVING LAWFUL JURISDICTION.
- ALL SITE UNDERGROUND BRANCH CIRCUIT WIRING IN CONDUIT SHALL BE TYPE THWN OR XHHW.
- ALL UNDERFLOOR, UNDERGROUND OR EXPOSED TO THE WEATHER CONDUIT SHALL BE HEAVYWALL, GALVANIZED RIGID STEEL, MINIMUM SIZE 3/4".
- PROVIDE BARRIERS TO SEPARATE DIFFERENT PHASES IN 277 VOLT GANGED SWITCH BOXES.
- ALL WIRE SHALL BE INSTALLED IN THINWALL, ELECTRICAL METALLIC TUBING (EMT) CONDUIT UNLESS OTHERWISE NOTED. MINIMUM SIZE SHALL BE 3/4" FOR BRANCH CIRCUIT WIRING, DROPS TO SWITCHES AND BRANCH DEVICES MAY BE 1/2" UNLESS OTHERWISE NOTED ON DRAWINGS. ALL THINWALL FITTINGS SHALL BE OF THE STEEL COMPRESSION GLAND TYPE PER ALL APPLICABLE CODE REQUIREMENTS. ALL CONDUITS SHALL BE CONCEALED WHERE POSSIBLE, WHERE EXPOSED, THIS CONTRACTOR SHALL RUN CONDUITS IN STRAIGHT LINES PARALLEL AND/OR PERPENDICULAR TO THE BUILDING CONSTRUCTION. CONDUITS INSTALLED IN AREAS SUBJECT TO MECHANICAL DAMAGE SHALL BE RIGID GALVANIZED, OR INTERMEDIATE METAL TYPE.
- THIS CONTRACTOR SHALL PROVIDE ALL TEMPORARY WIRING FOR ALL TRADES FOR CONSTRUCTION EQUIPMENT (i.e. HANDTOOLS, WELDERS, PIPE BENDERS, ETC.) AND CONSTRUCTION LIGHTING PER THE LATEST OSHA STANDARDS. INCLUDE ALL COSTS IN THE BASE BID. THIS CONTRACTOR SHALL ESTABLISH SAFE WORKING PROCEDURES FOR THE PROTECTION OF THE WORKMEN IN ALL PHASES OF WORK, COMPLYING WITH THE APPLICABLE PROVISIONS OF ALL CITY, STATE AND FEDERAL SAFETY LAWS (OSHA).
- CONTRACTOR SHALL CUT AND PATCH/RESTORE EXISTING AREAS FOR NEW WORK. PATCH/RESTORE IN GRASS AREAS SHALL BE 6" TOPSOIL WITH GRASS SEED TO MATCH EXISTING GRASS.

**GRADING AND PAVING SPECIFICATIONS**

- ALL SITE WORK, GRADING, AND PAVING OPERATIONS, AND ALL DRIVEWAY AND STREET CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, AS ADOPTED JAN. 1, 2007 AND ALL REVISIONS THERETO, WITH THE "SPECIAL PROVISIONS" AND WITH THESE CONSTRUCTION NOTES AND IN ACCORDANCE WITH LOCAL CODE.
- EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING, AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, NON-STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES, AND CROSS SECTIONS SHOWN ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 200 OF THE STANDARD SPECIFICATIONS. ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE PROJECT ENGINEER IN THE FIELD.
- TOPSOIL EXCAVATED SHALL BE STOCKPILED ON THE SITE IN AREAS DESIGNATED BY THE PROJECT ENGINEER UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING.
- THE SOILS INVESTIGATION REPORT FOR THE SITE AND ALL AGENDA THERETO ARE SUPPORTING DOCUMENTS FOR THIS PROJECT. THE RECOMMENDATIONS AS STATED IN SAID REPORT ARE HEREBY INCORPORATED INTO THESE CONSTRUCTION NOTES BY REFERENCE AND SHALL BE FOLLOWED BY ALL CONTRACTORS. THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS, BY A SOILS ENGINEER OR HIS REPRESENTATIVE. FURTHER CONSTRUCTION OPERATIONS WILL NOT BE PERMITTED UNTIL THE SOILS ENGINEER ISSUES A WRITTEN STATEMENT THAT THE AREA IN QUESTION HAS BEEN SATISFACTORILY PREPARED AND IS READY FOR CONSTRUCTION.
- ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE SOIL REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE CONTRACTOR. ALL ORGANIC OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM BACKFILL AREAS, AND REPLACED WITH FA-2 AGGREGATE COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (A.S.T.M. D1557).
- THE CONTRACTOR SHALL USE CARE IN GRADING NEAR TREES, SHRUBS, AND BUSHES WHICH ARE NOT TO BE REMOVED SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS. ANY TREES DAMAGED BY CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT HIS OWN EXPENSE.
- REMOVED DRIVEWAY PAVEMENT, SIDEWALK, CURBS, CURB AND GUTTER, TREES AND STUMPS SHALL BE DISPOSED OF LEGALLY AT LOCATIONS PROVIDED BY THE CONTRACTOR.
- STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY TO MEET STATE AND LOCAL, STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
- THE GRADING AND CONSTRUCTION OF THE PAVEMENT IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.
- DRIVEWAYS SHALL BE CONSTRUCTED SO AS NOT TO IMPEDE THE SURFACE DRAINAGE SYSTEM.
- TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION. STANDARDS SHALL BE INSTALLED AND PROVIDED WHENEVER CONSTRUCTION FOR UTILITIES ARE WITHIN STREET AREAS. ALSO ORDINANCES OF THE CITY, COUNTY OR STATE SHALL GOVERN THE TRAFFIC CONTROL.
- ALL EXPOSED BASE AND SUBGRADE SHALL BE SUBJECT TO A PROOF ROLL WITNESSED BY THE ENGINEER. ANY UNSUITABLE MATERIAL MUST BE REMOVED AND REPLACED AT THE DIRECTION OF W-T CIVIL ENGINEERING.

**STORM DRAIN CONSTRUCTION**

- ALL STORM DRAIN CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, AS ADOPTED JAN. 1, 2007, AND REVISIONS THERETO, THE NOTES IN THE PLANS, THE SPECIAL PROVISIONS, AND THE VILLAGE REQUIREMENTS. IN CASE OF CONFLICT, VILLAGE CODE SHALL GOVERN.
- MANHOLES, CATCH BASINS AND INLETS: THESE ITEMS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTION 612 OF THE STANDARD ILLINOIS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND IN ACCORDANCE WITH THE DETAILS CONTAINED IN THESE ITEMS.
- ALL ADJUSTMENTS NECESSARY SHALL BE MADE WITH PRECAST CONCRETE ADJUSTING RINGS NOT TO EXCEED A MAXIMUM OF EIGHT (8) INCHES OVERALL IN HEIGHT. BUTYROPE JOINT SEALANT SHALL BE USED ON ALL JOINTS BETWEEN THE PRECAST ELEMENTS.
- UNLESS OTHERWISE INDICATED IN THE PLANS, STORM DRAIN PIPE 12" IN DIAMETER AND LARGER SHALL BE REINFORCED CONCRETE PIPE, CLASS III, CONFORMING TO ASTM DESIGNATION C-76. 10" STORM DRAIN SHALL BE REINFORCED CONCRETE PIPE, CLASS V.
- ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATING CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
- TRENCH BACKFILL MATERIAL (CA-6 CRUSHED STONE) SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY (A.S.T.M. D-1557) OVER ALL UNDERGROUND UTILITIES WHICH ARE CONSTRUCTED UNDER, OR WITHIN 2 FEET OF, ANY PROPOSED OR EXISTING PAVEMENT, PARKING LOTS, OR SIDEWALKS. ALL UNDERGROUND UTILITIES NOT UNDER, OR WITHIN 2 FEET, OF ANY PROPOSED OR EXISTING PAVEMENT, PARKING LOTS, OR SIDEWALKS TO BE BACKFILLED WITH GRANULAR MATERIAL OR SUITABLE EXCAVATED MATERIAL COMPACTED TO 95% MODIFIED PROCTOR (A.S.T.M. D-1557).

FA RITE	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

**GENERAL SPECIFICATIONS**

- CODES OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY TITLE 35, AND O.S.H.A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.
- ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY, AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.
- THE LOCAL ENGINEERING DEPARTMENT SHALL BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION OF VARIOUS PUBLIC IMPROVEMENTS, OF ALL STREET AND DRAINAGE IMPROVEMENT CONSTRUCTION AND/OR TESTING, AND OF ALL WATER MAIN AND SANITARY SEWER IMPROVEMENT CONSTRUCTION AND/OR TESTING.
- ALL UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, CABLE, ETC.) AND THE VILLAGE SHALL BE NOTIFIED TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION IN ORDER TO AVOID CONFLICTS. (PHONE J.U.L.I.E. AT: 1-800-842-0123). IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER INDICATED ON PLANS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE UTILITY OWNER BY THE CONTRACTOR.
- EASEMENTS FOR EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS PREPARED BY THE PROJECT ENGINEER ACCORDING TO INFORMATION AVAILABLE FROM PUBLIC RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, IN THE FIELD, OF THESE UTILITY LINES AND FOR THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND TO THE SATISFACTION OF THE UTILITY OWNERS.
- FIELD CHECK ALL DIMENSIONS, COORDINATES, AND ELEVATIONS BEFORE PROCEEDING WITH NEW WORK. NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- ALL PROPERTY MARKERS AND REFERENCE MARKERS SHALL BE CAREFULLY PRESERVED DURING CONSTRUCTION UNTIL THEIR LOCATION HAS BEEN WITNESSED OR OTHERWISE TIED IN BY AN AUTHORIZED AGENT OR SURVEYOR.
- THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE OPERATIONS AFFECT PUBLIC THROUGH-FARES AND ADJACENT PROPERTY.
- ANY AREA OUTSIDE THE PROPERTY LINE USED BY THE GENERAL OR SUB-CONTRACTORS SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN.
- ALL PUBLIC ROW GREEN AREAS SHALL BE RESTORED WITH 4" TOP SOIL AND SODDING.
- NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.
- PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVE, ETC.) OR TOPSOIL AS SHOWN.
- PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS AS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.
- ALL TOP OF FRAMES FOR STORM AND SANITARY SEWERS AND VALVE VAULT COVERS ARE TO BE ADJUSTED TO MEET FINAL FINISH GRADE.

DATE	BY
6-13-08	JFG
6-24-08	JFG
7-18-08	JFG
7-25-08	JFG

REVISIONS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS

**W-T CIVIL ENGINEERING, LLC.**  
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**W-T**  
 SPRING ROCK PARK  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL

**GENERAL NOTES**  
 DATE: 05/23/08  
 SCALE: 1" = 50'  
 DRAWN: JFG  
 CHECK: TOA  
 JOB: CE06316  
 SHEET  
**2 OF 26**

FIELD ENGINEER: MARILIN SOLOMON 847-705-4407

# SUMMARY OF QUANTITIES

FA RITE	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63080

ITEM NO.	IDOT CODE NO.	PAY ITEM	UNIT	CODE TYPE Y024 QUANTITY
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	62
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	16
3	20200100	EARTH EXCAVATION	CU YD	545
4	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	500
5	21101825	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	7575
6	25000210	SEEDING, CLASS 2A	ACRE	2
* 7	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	140
* 8	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	140
* 9	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	140
* 10	25100800	EROSION CONTROL MAT	SQ YD	385
11	26000400	PERIMETER EROSION BARRIER	FOOT	4250
12	28000500	INLET AND PIPE PROTECTION	EACH	3
13	28100105	STONE RIPRAP, CLASS A3	SQ YD	25
14	28102630	STONE RIPRAP DITCH CHECKS	EACH	2
15	35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	5
16	35100400	AGGREGATE BASE COURSE, TYPE A 5"	SQ YD	1633
17	35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	736
18	35100900	AGGREGATE BASE COURSE, TYPE A 10"	SQ YD	6690
19	40300100	BITUMINOUS MATERIALS PRIME COAT	GAL	701
20	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N50	TON	883
21	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50	TON	767
22	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	116
23	42400800	DETECTABLE WARNING	SQ FT	10
24	44000100	PAVEMENT REMOVAL	SQ YD	1633
25	44000600	SIDEWALK REMOVAL	SQ FT	605
26	44002000	CONCRETE CURB REMOVAL	FOOT	150
27	44004400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	375
28	44004402	PAVEMENT REMOVAL (SPECIAL)	CU YD	2239
29	44213200	SAW CUTS	FOOT	220
30	50105200	REMOVE EXISTING CULVERTS	EACH	1
31	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4
32	54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	4
33	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	939
34	55101200	STORM SEWER REMOVAL 24"	FOOT	155
35	55101600	STORM SEWER REMOVAL 36"	FOOT	48
36	60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	147
37	60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	2
38	60221100	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
39	60221700	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1
40	60500040	REMOVING MANHOLES	EACH	2
41	60603800	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12	FOOT	150
42	66410300	CHAIN LINK FENCE REMOVAL	FOOT	780
43	66400205	CHAIN LINK FENCE, 5'	FOOT	780
44	66410410	CHAIN LINK FENCE TO BE RELOCATED	FOOT	20
45	67100100	MOBILIZATION	L. SUM	1
46	70102835	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L. SUM	1
47	72000100	SIGN PANEL TYPE 1	SQ FT	5
* 48	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ. FT.	220
* 49	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	4525
* 50	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	60
* 51	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
* 52	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1
* 53	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1662
* 54	82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	1
* 55	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	14
* 56	82200700	AVIATION OBSTRUCTION WARNING LUMINAIRE	EACH	1
* 57	82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	1
* 58	84200600	REMOVAL OF EXISTING LIGHT UNIT, NO SALVAGE	EACH	2
* 59	86300300	CONTROLLER CABINET TYPE III	EACH	1
* 60	A2003024	TREE, CELTIS OCCIDENTALIS PRAIRIE PRIDE (PRAIRIE PRIDE HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	9
* 61	A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3
* 62	A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7
* 63	A2007624	TREE, TAXODIUM DISTICHUM (COMMON BALD CYRESS), 3" CALIPER, BALLED AND BURLAPPED	EACH	6
* 64	A2007824	TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 3" CALIPER, BALLED AND BURLAPPED	EACH	2
65	X0322871	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	150
* 66	X0325713	GROUND ROD	EACH	4
67	X7240500	RELOCATE EXISTING SIGNS	EACH	3
68	XX003575	SITE DEMOLITION	L. SUM	1
69	XX003818	FURNISHING AND INSTALLING CONCRETE WHEEL STOPS	EACH	45
70	Z0007900	BUTT JOINTS	EACH	2
71	Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	1
72	Z0019600	DUST CONTROL WATERING	UNIT	1
* 73	Z0036200	PAINT CURB	FOOT	50
74	Z0064800	SELECTIVE CLEARING	UNIT	1
75	XX007605	LIMESTONE SCREENING SURFACE 3" (NEW PATHS)	SQ YD	736
76	XX007606	LIMESTONE SCREENING SURFACE 2" (EXISTING PATHS)	SQ YD	3000
77	XX007607	GRAVEL PATH REPLACEMENT (FOR STORM SEWER INSTALLATION)	SQ YD	40
78	XX007608	GRAVEL PATH REPLACEMENT (FOR GRADING)	SQ YD	435
* 79	XX007609	GRASS PAVERS	SQ YD	100
* 80	XX007610	BASIN W/8" ROUND GRATE	EACH	1
* 81	XX007611	BASEBALL BACKSTOP	FOOT	120
* 82	XX007612	UNIT DUCT, 600 V, 2-1C NO. 8, 1/1C NO. 8 GROUND, 1" DIA. POLYETHYLENE	FOOT	219
* 83	XX007613	UNIT DUCT, 600 V, 4-1C NO. 8, 1/1C NO. 8 GROUND, 1" DIA. POLYETHYLENE	FOOT	67
* 84	XX007614	UNIT DUCT, 600 V, 3-1C NO. 8, 1/1C NO. 8 GROUND, 1" DIA. POLYETHYLENE	FOOT	120
* 85	XX007615	UNIT DUCT, 600 V, 2-1C NO. 3, 2-1C NO. 6, 1/1C NO. 3 GROUND, 1 1/2" DIA. POLYETHYLENE	FOOT	745
* 86	XX007616	UNIT DUCT, 600 V, 3-1C NO. 6, 1/1C NO. 8 GROUND, 1" DIA. POLYETHYLENE	FOOT	123
* 87	XX007617	UNIT DUCT, 600 V, 1-1C NO. 3, 1/1C NO. 3 GROUND, 1" DIA. POLYETHYLENE	FOOT	388
* 88	XX007618	LIGHT POLE, STEEL, 16'	EACH	7
* 89	XX007619	LIGHT POLE, STEEL, 10'	EACH	3
* 90	XX007620	UPLIGHT, VANDAL PROOF	EACH	1
* 91	XX007621	TIME CLOCK, ELECTRIC	EACH	1
* 92	XX007622	ELECTRIC METER	EACH	1

\* DENOTES SPECIALTY ITEMS

DATE	6-18-08	BY	JFG
PER IDOT COMMENTS	6-24-08	PER IDOT COMMENTS	JFG
PER IDOT COMMENTS	7-16-08	PER IDOT COMMENTS	JFG
PER IDOT COMMENTS	7-25-08	PER IDOT COMMENTS	JFG
PER IDOT COMMENTS	8-4-08	PER IDOT COMMENTS	JFG

**W-T CIVIL ENGINEERING, LLC.**  
CIVIL AND STRUCTURAL ENGINEERS

**W-T**

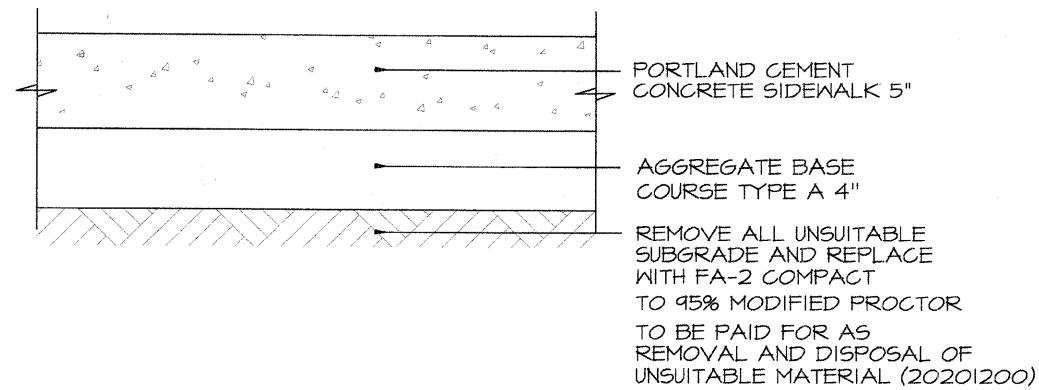
**SPRING ROCK PARK**  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

**SUMMARY OF QUANTITIES**

DATE: 05/23/08  
SCALE: 1" = 50'  
DRAWN: JFG  
CHECK: TOA  
JOB: CE06316  
SHEET: 3 OF 26

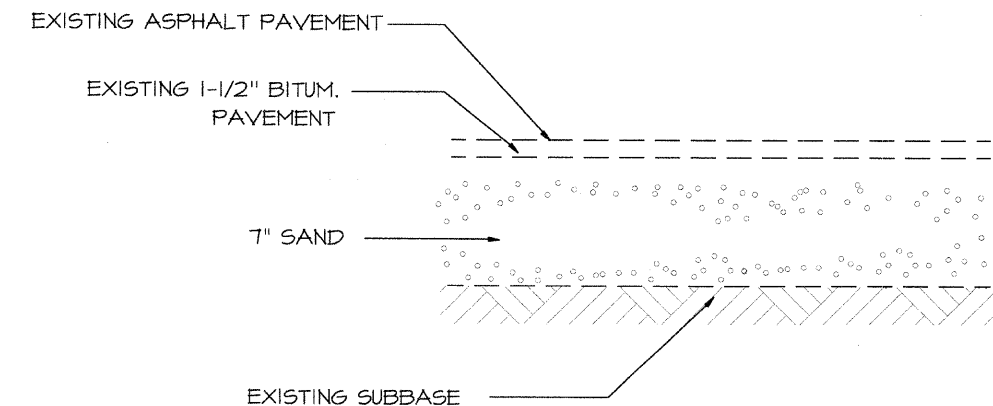
FIELD ENGINEER: MARLIN SOLOMON 847-705-4407





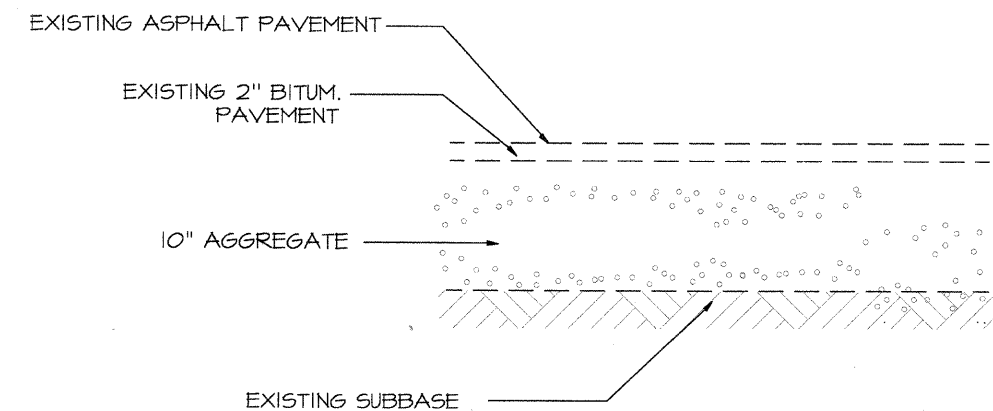
**TYPICAL SECTION-PORTLAND CEMENT CONCRETE SIDEWALK 5"**

NOT TO SCALE



**TYPICAL SECTION - EXISTING ASPHALT PAVEMENT EAST LOT**

NOT TO SCALE



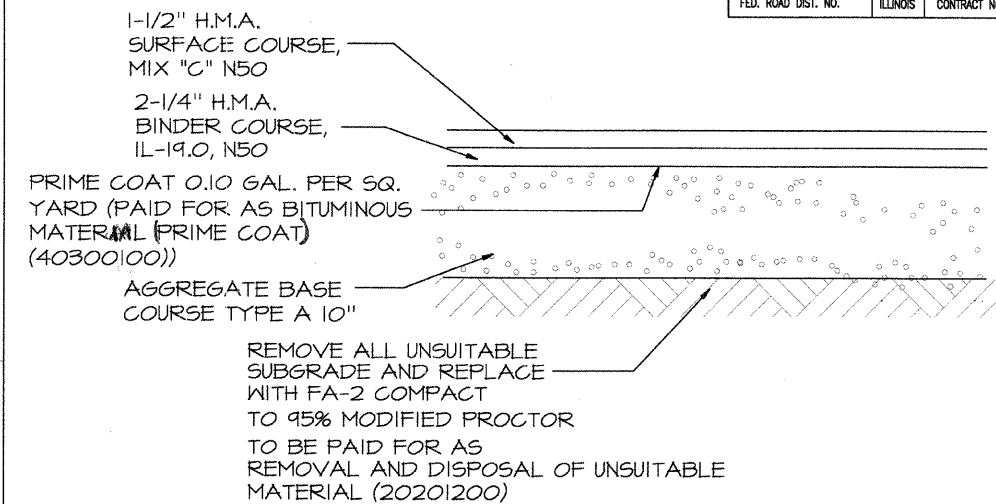
**TYPICAL SECTION - EXISTING ASPHALT PAVEMENT WEST LOT**

NOT TO SCALE

HOT MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-1.5)	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	PG 64-22*	4% @ 50 GYR.

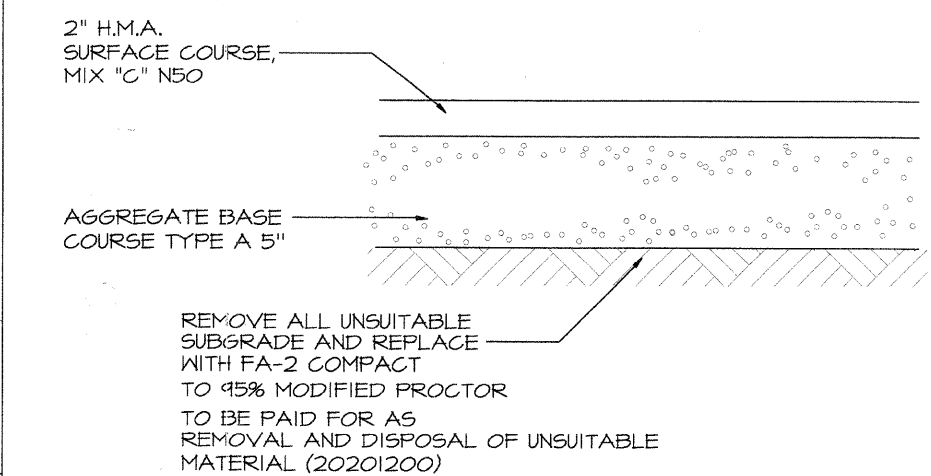
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE AND BINDER MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.  
\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE 58-22

FA RTE.	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060



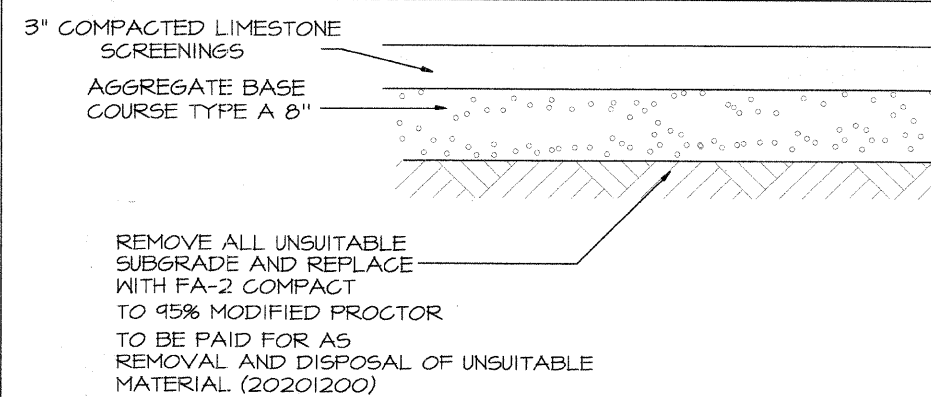
**TYPICAL SECTION-ASPHALT PAVEMENT**

NOT TO SCALE



**TYPICAL SECTION-ASPHALT PATHWAY**

NOT TO SCALE



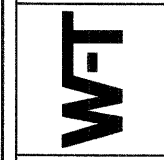
**TYPICAL SECTION AGGREGATE PATHWAY**

NOT TO SCALE

21 & 23

DATE	BY	REVISIONS
6-18-08	JPG	PER IDOT COMMENTS
6-24-08	JPG	PER IDOT COMMENTS
7-18-08	JPG	PER IDOT COMMENTS
7-25-08	JPG	PER IDOT COMMENTS

**W-T CIVIL ENGINEERING, LLC.**  
CIVIL AND STRUCTURAL ENGINEERS  
2675 Pratum Avenue  
Naperville, IL 60563  
PH: (224) 235-6533 FAX: (224) 235-6444  
www.wtengineering.com  
IL License No.: 164-003492 Exp. 04/30/09



**SPRING ROCK PARK**  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

**TYPICAL SECTIONS**

DATE: 05/23/08
SCALE: 1" = 50'
DRAWN: JPG
CHECK: TOA
JOB: CE06316
SHEET

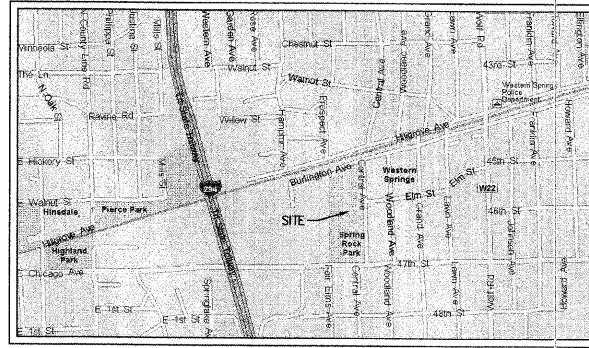
FIELD ENGINEER: MARILIN SOLOMON 847-705-4407



# TOPOGRAPHIC MAP

**NOTES:**

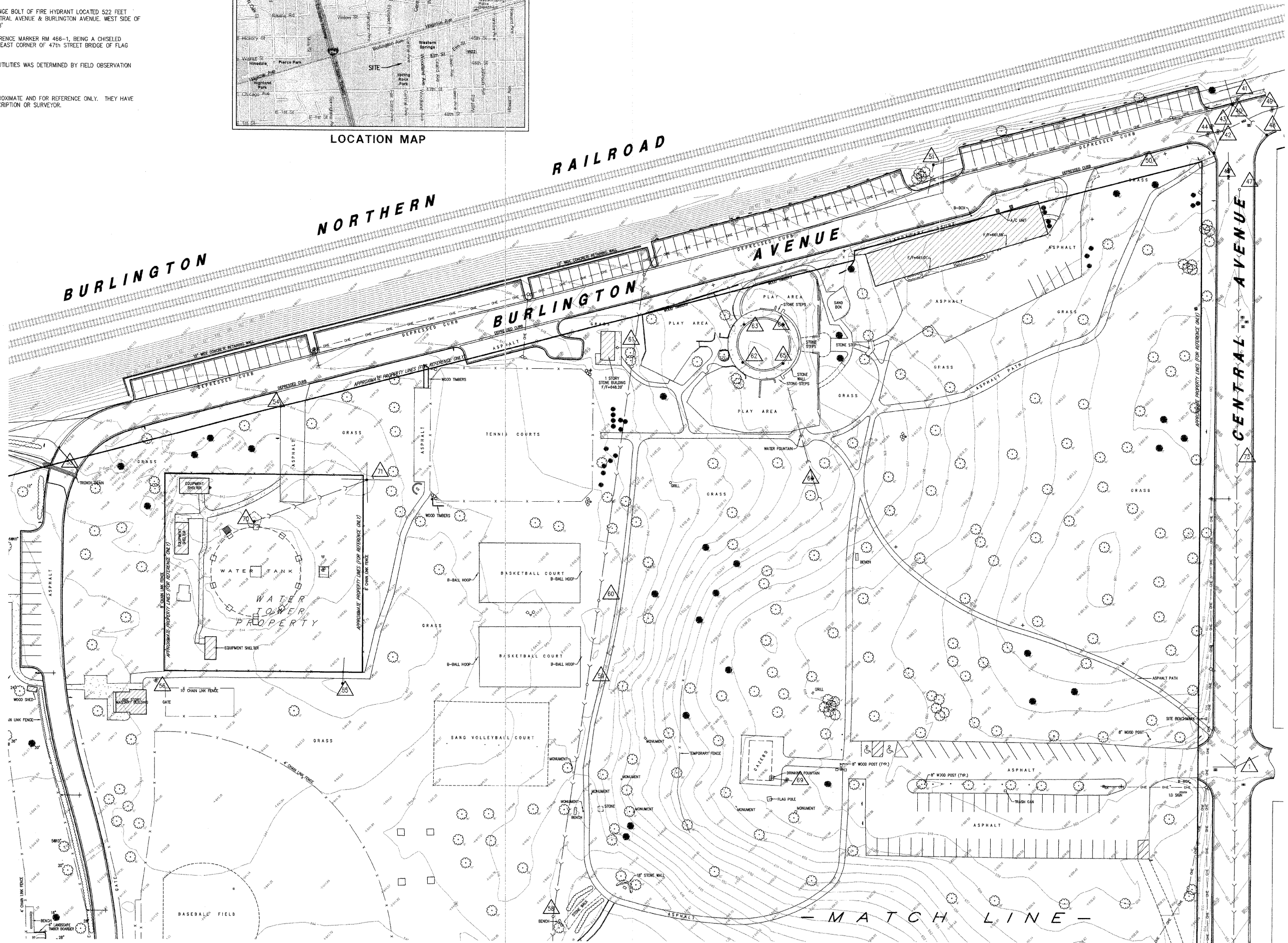
1. ONSITE BENCHMARK - SOUTH FLANGE BOLT OF FIRE HYDRANT LOCATED 522 FEET SOUTH OF THE INTERSECTION OF CENTRAL AVENUE & BURLINGTON AVENUE, WEST SIDE OF CENTRAL AVENUE. ELEVATION=661.78'
2. OFFSITE BENCHMARK - FEMA REFERENCE MARKER RM 466-1, BEING A CHISELED SQUARE ON SIDEWALK ON THE SOUTHEAST CORNER OF 47th STREET BRIDGE OF FLAG CREEK. ELEVATION=655.09'
3. THE LOCATION OF UNDERGROUND UTILITIES WAS DETERMINED BY FIELD OBSERVATION AND VISIBLE MARKINGS ONLY.
4. FIELD WORK COMPLETED: 4/4/06
5. PROPERTY LINES SHOWN ARE APPROXIMATE AND FOR REFERENCE ONLY. THEY HAVE NOT BEEN VERIFIED BY A LEGAL DESCRIPTION OR SURVEYOR.



LOCATION MAP



SCALE: 1" = 40'



REVISIONS	DATE	BY
ADDED ADDITIONAL TOPOGRAPHY AT THE CORNER OF SITE	1/28/06	MO
ADDED PROPERTY LINES FOR REFERENCE ONLY	6/1/06	MO

**W-T LAND SURVEYING, INC.**  
 LAND AND CONSTRUCTION SURVEYORS  
 2875 Prairie Avenue  
 Hill Country, IL 62526  
 PH: (224) 293-5533 FAX: (224) 293-9444  
 www.wtland.com  
 IL License No.: 184-004387 Exp: 04/30/07  
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SPRING ROCK PARK  
 (WEST SIDE)  
 WESTERN SPRINGS, ILLINOIS

TOPOGRAPHIC MAP

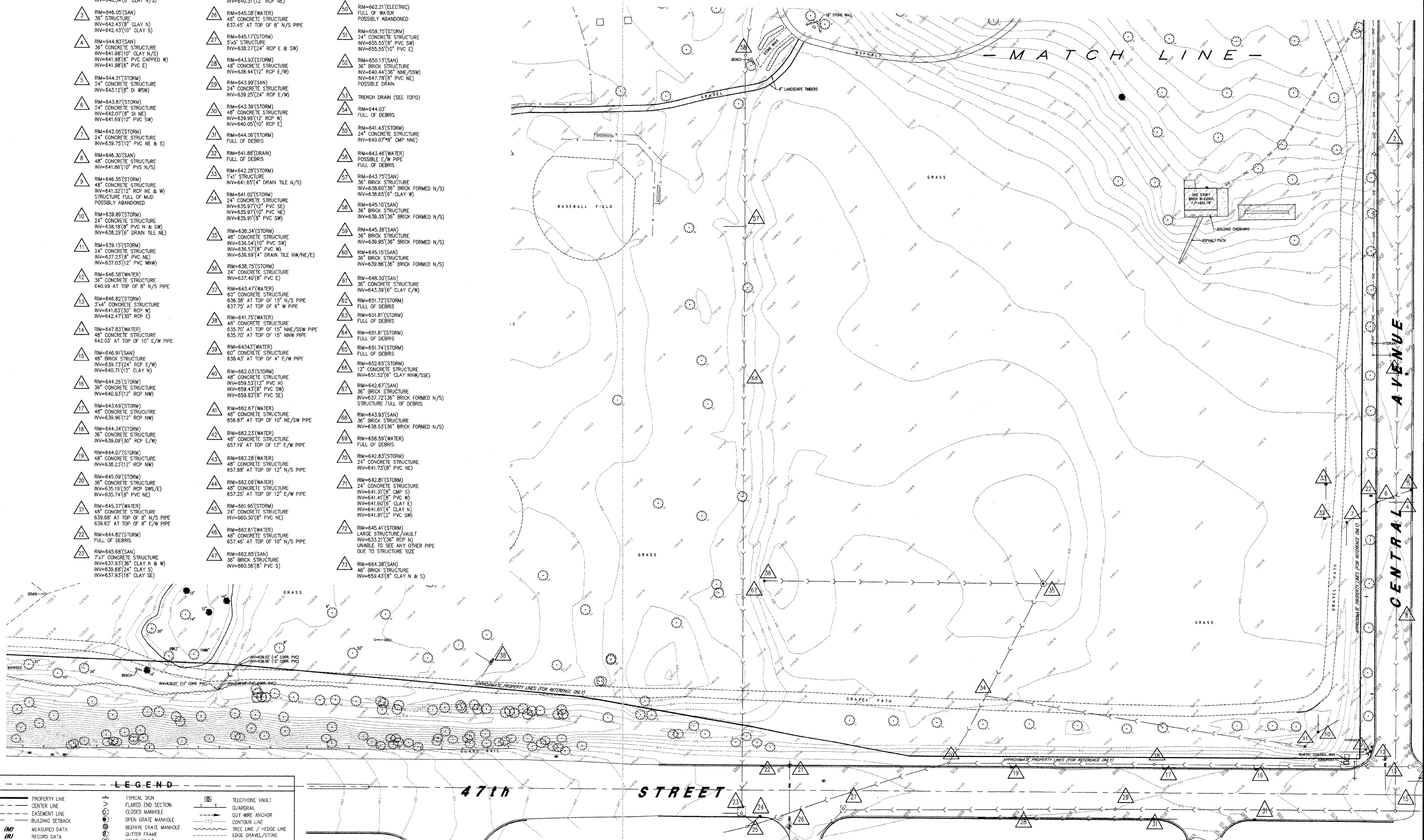
DATE :	4/5/07
SCALE :	1"=40'
FIELD WORK:	BSA/REM
DRAWN :	MWO
CHECK :	FIM
JOB :	S07056
SHEET	REVISION
<b>5</b>	
OF 26 SHEETS	

FIELD ENGINEER: MARILIN SOLOMON 847-705-4407

**EXISTING UTILITY DATA**

- |  |   |   |
|--|---|---|
| 1 RIM=656.36'(SAN)<br>36" BRICK STRUCTURE<br>INV=651.92'(8" CLAY N, S, W, NE)<br>INV=651.92'(8" CLAY CAPPED NW)                      | 24 RIM=645.16'(STORM)<br>48" CONCRETE STRUCTURE<br>INV=640.94'(12" RCP SW)  | 48 RIM=661.82'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=660.52'(8" PVC NW)   |
| 2 RIM=650.52'(SAN)<br>36" BRICK STRUCTURE<br>INV=646.34'(8" CLAY N/S)  | 25 RIM=645.81'(STORM)<br>36" CONCRETE STRUCTURE<br>INV=636.13'(30" RCP WSW/E/NE)<br>INV=640.31'(12" RCP NE)                               | 49 RIM=662.81'(WATER)<br>48" CONCRETE STRUCTURE<br>657.16' AT TOP OF 12" E/W PIPE   |
| 3 RIM=646.05'(SAN)<br>36" STRUCTURE<br>INV=642.43'(8" CLAY N)<br>INV=642.43'(10" CLAY S)   | 26 RIM=645.08'(WATER)<br>48" CONCRETE STRUCTURE<br>637.45' AT TOP OF 8" N/S PIPE  | 50 RIM=662.21'(ELECTRIC)<br>FULL OF WATER<br>POSSIBLY ABANDONED   |
| 4 RIM=644.83'(SAN)<br>36" CONCRETE STRUCTURE<br>INV=641.98'(10" CLAY N/S)<br>INV=641.98'(6" PVC CAPPED W)<br>INV=641.98'(6" PVC E)   | 27 RIM=645.17'(STORM)<br>5x5" STRUCTURE<br>INV=638.27'(24" RCP E & SW)  | 51 RIM=659.75'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=655.55'(8" PVC SW)<br>INV=655.55'(10" PVC E)   |
| 5 RIM=644.21'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=643.12'(8" DI WSW)   | 28 RIM=643.93'(STORM)<br>48" CONCRETE STRUCTURE<br>INV=638.44'(12" RCP E/W)   | 52 RIM=650.13'(SAN)<br>36" BRICK STRUCTURE<br>INV=640.44'(36" NNE/SSW)<br>INV=647.78'(8" PVC NE)<br>POSSIBLE DRAIN  |
| 6 RIM=643.87'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=642.07'(8" DI NE)<br>INV=641.69'(12" PVC SW)                                   | 29 RIM=643.99'(SAN)<br>24" CONCRETE STRUCTURE<br>INV=639.25'(24" RCP E/W)   | 53 TRENCH DRAIN (SEE TOPO)  |
| 7 RIM=642.05'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=639.75'(12" PVC NE & S)  | 30 RIM=643.39'(STORM)<br>48" CONCRETE STRUCTURE<br>INV=639.99'(12" RCP W)<br>INV=640.05'(10" RCP E)                                       | 54 RIM=644.03'<br>FULL OF DEBRIS  |
| 8 RIM=646.30'(SAN)<br>48" CONCRETE STRUCTURE<br>INV=641.86'(10" PVC N/S)   | 31 RIM=644.06'(STORM)<br>FULL OF DEBRIS   | 55 RIM=641.43'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=640.07'(8" CMP NNE)  |
| 9 RIM=646.55'(STORM)<br>48" CONCRETE STRUCTURE<br>INV=641.32'(12" RCP NE & W)<br>STRUCTURE FULL OF MUD<br>POSSIBLY ABANDONED         | 32 RIM=641.85'(DRAIN)<br>FULL OF DEBRIS   | 56 RIM=643.48'(WATER)<br>POSSIBLE E/W PIPE<br>FULL OF DEBRIS  |
| 10 RIM=638.89'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=638.18'(8" PVC N & SW)<br>INV=638.29'(6" DRAIN TILE NE)                       | 33 RIM=642.28'(STORM)<br>1"x1" STRUCTURE<br>INV=641.65'(4" DRAIN TILE N/S)  | 57 RIM=643.75'(SAN)<br>36" BRICK STRUCTURE<br>INV=638.60'(36" BRICK FORMED N/S)<br>INV=638.65'(8" CLAY W)   |
| 11 RIM=639.15'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=637.23'(8" PVC NE)<br>INV=637.03'(12" PVC WNW)                                | 34 RIM=641.02'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=635.97'(12" PVC SW)<br>INV=635.97'(10" PVC NE)<br>INV=635.91'(8" PVC SW)           | 58 RIM=645.10'(SAN)<br>36" BRICK STRUCTURE<br>INV=639.35'(36" BRICK FORMED N/S)   |
| 12 RIM=646.58'(WATER)<br>36" CONCRETE STRUCTURE<br>640.99 AT TOP OF 8" N/S PIPE  | 35 RIM=638.34'(STORM)<br>48" CONCRETE STRUCTURE<br>INV=636.54'(10" PVC SW)<br>INV=635.57'(8" PVC W)<br>INV=638.69'(4" DRAIN TILE NW/NE/E) | 59 RIM=645.38'(SAN)<br>36" BRICK STRUCTURE<br>INV=639.95'(36" BRICK FORMED N/S)   |
| 13 RIM=646.82'(STORM)<br>3"x4" CONCRETE STRUCTURE<br>INV=641.83'(30" RCP W)<br>INV=642.47'(30" RCP E)                                | 36 RIM=638.75'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=637.40'(8" PVC E)  | 60 RIM=645.15'(SAN)<br>36" BRICK STRUCTURE<br>INV=639.86'(36" BRICK FORMED N/S)   |
| 14 RIM=647.83'(WATER)<br>48" CONCRETE STRUCTURE<br>642.03' AT TOP OF 10" E/W PIPE  | 37 RIM=643.47'(WATER)<br>60" CONCRETE STRUCTURE<br>638.38' AT TOP OF 15" N/S PIPE<br>637.75' AT TOP OF 6" W PIPE                          | 61 RIM=648.30'(SAN)<br>36" CONCRETE STRUCTURE<br>INV=643.39'(6" CLAY E/W)   |
| 15 RIM=646.91'(SAN)<br>48" BRICK STRUCTURE<br>INV=639.73'(24" RCP E/W)<br>INV=640.71'(12" CLAY N)                                    | 38 RIM=641.75'(WATER)<br>48" CONCRETE STRUCTURE<br>635.70' AT TOP OF 15" NNE/SSW PIPE<br>635.70' AT TOP OF 15" NNW PIPE                   | 62 RIM=651.72'(STORM)<br>FULL OF DEBRIS   |
| 16 RIM=644.26'(STORM)<br>36" CONCRETE STRUCTURE<br>INV=640.93'(12" RCP NW)   | 39 RIM=643.43'(WATER)<br>60" CONCRETE STRUCTURE<br>638.45' AT TOP OF 4" E/W PIPE  | 63 RIM=651.81'(STORM)<br>FULL OF DEBRIS   |
| 17 RIM=643.69'(STORM)<br>48" CONCRETE STRUCTURE<br>INV=639.96'(12" RCP NW)   | 40 RIM=662.03'(STORM)<br>48" CONCRETE STRUCTURE<br>INV=659.53'(12" PVC N)<br>INV=659.43'(8" PVC SW)<br>INV=659.83'(8" PVC SE)             | 64 RIM=651.81'(STORM)<br>FULL OF DEBRIS   |
| 18 RIM=644.34'(STORM)<br>36" CONCRETE STRUCTURE<br>INV=639.09'(30" RCP E/W)  | 41 RIM=662.67'(WATER)<br>48" CONCRETE STRUCTURE<br>656.87' AT TOP OF 10" NE/SW PIPE   | 65 RIM=651.74'(STORM)<br>FULL OF DEBRIS   |
| 19 RIM=644.07'(STORM)<br>48" CONCRETE STRUCTURE<br>INV=638.23'(12" RCP NW)   | 42 RIM=662.23'(WATER)<br>48" CONCRETE STRUCTURE<br>657.88' AT TOP OF 12" N/S PIPE   | 66 RIM=652.65'(STORM)<br>12" CONCRETE STRUCTURE<br>INV=651.52'(6" CLAY NNW/SSE)   |
| 20 RIM=645.09'(STORM)<br>36" CONCRETE STRUCTURE<br>INV=635.19'(30" RCP SWS/E)<br>INV=635.74'(8" PVC NE)                              | 43 RIM=662.28'(WATER)<br>48" CONCRETE STRUCTURE<br>657.88' AT TOP OF 12" N/S PIPE   | 67 RIM=642.67'(SAN)<br>36" BRICK STRUCTURE<br>INV=637.72'(36" BRICK FORMED N/S)<br>STRUCTURE FULL OF DEBRIS   |
| 21 RIM=645.37'(WATER)<br>48" CONCRETE STRUCTURE<br>639.68' AT TOP OF 8" N/S PIPE<br>638.62' AT TOP OF 8" E/W PIPE                    | 44 RIM=662.09'(WATER)<br>48" CONCRETE STRUCTURE<br>657.25' AT TOP OF 12" E/W PIPE   | 68 RIM=643.93'(SAN)<br>36" BRICK STRUCTURE<br>INV=638.53'(36" BRICK FORMED N/S)   |
| 22 RIM=644.82'(STORM)<br>FULL OF DEBRIS  | 45 RIM=661.95'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=660.30'(8" PVC NE)   | 69 RIM=658.59'(WATER)<br>FULL OF DEBRIS   |
| 23 RIM=645.68'(SAN)<br>7x7" CONCRETE STRUCTURE<br>INV=637.93'(36" CLAY N & W)<br>INV=639.69'(24" CLAY S)<br>INV=637.93'(18" CLAY SE) | 46 RIM=662.61'(WATER)<br>48" CONCRETE STRUCTURE<br>657.46' AT TOP OF 10" N/S PIPE   | 70 RIM=642.83'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=641.73'(8" PVC NE)   |
|  | 47 RIM=662.85'(SAN)<br>36" BRICK STRUCTURE<br>INV=660.56'(8" PVC S)   | 71 RIM=642.81'(STORM)<br>24" CONCRETE STRUCTURE<br>INV=641.31'(8" CMP S)<br>INV=641.41'(8" PVC W)<br>INV=641.60'(6" CLAY E)<br>INV=641.61'(4" CLAY N)<br>INV=641.81'(2" PVC SW) |
|  |   | 72 RIM=645.41'(STORM)<br>LARGE STRUCTURE/VAULT<br>INV=633.21'(36" RCP N)<br>UNABLE TO SEE ANY OTHER PIPE<br>DUE TO STRUCTURE SIZE   |
|  |   | 73 RIM=664.38'(SAN)<br>48" BRICK STRUCTURE<br>INV=659.43'(8" CLAY N & S)  |

**TOPOGRAPHIC MAP**



FIELD ENGINEER: MARILIN SOLOMON 847-705-4407

DATE	1/29/08
BY	
REVISIONS	
ADDED ADDITIONAL UTILITY AT THE CORNER OF SITE	6/13/08
ADDED PROPERTY LINES FOR REFERENCE ONLY	
<p><b>W-T LAND SURVEYING, INC.</b>                  LAND AND CONSTRUCTION SURVEYORS                  2876 Primm Avenue                  Naperville, IL 60563                  PH: (224) 293-6333 FAX: (224) 293-9444                  www.wtsurveying.com                  IL License No.: 184-004387 Exp. 04/30/07</p>	
SPRING ROCK PARK (WEST SIDE) WESTERN SPRINGS, ILLINOIS	
<b>TOPOGRAPHIC MAP</b>	
DATE :	4/5/07
SCALE :	1"=40'
FIELD WORK:	BSA/REM
DRAWN :	MWO
CHECK :	FIM
JOB :	S07056
SHEET	REVISION
<b>6</b>	
OF 26 SHEETS	

**LEGEND**

<ul style="list-style-type: none"> <li>PROPERTY LINE</li> <li>CENTER LINE</li> <li>EASEMENT LINE</li> <li>BUILDING SETBACK</li> <li>MEASURED DATA</li> <li>RECORD DATA</li> <li>CALCULATED DATA</li> <li>TOP OF (CURB/WALL, ETC.)</li> <li>SPOT GRADE</li> <li>SECTION OF (DRAIN, GUTTER/CHANNEL)</li> <li>CONCRETE</li> <li>EVERGREEN/STAND. TREE</li> <li>SHRUB</li> <li>MONITOR WELL</li> <li>GAS VALVE</li> </ul>	<ul style="list-style-type: none"> <li>TYPICAL SIGN</li> <li>FLARED END SECTION</li> <li>CLOSED MANHOLE</li> <li>OPEN GRATE MANHOLE</li> <li>BEDDING GRATE MANHOLE</li> <li>QUITTER FRAME</li> <li>VALVE VAULT</li> <li>FIRE HYDRANT</li> <li>B-BOX / SERVICE VALVE</li> <li>POST LIGHT, GROUND LIGHT</li> <li>AREA LIGHT</li> <li>STREET LIGHT</li> <li>POLE ARM SIGNAL</li> <li>HANDHOLE (electric/traffic)</li> <li>UNIT</li> <li>ELECTRIC METER</li> <li>PEDESTAL (teleco, elec, cable)</li> <li>UTILITY POLE</li> </ul>	<ul style="list-style-type: none"> <li>TELEPHONE VAULT</li> <li>GUARDRAIL</li> <li>GUY WIRE ANCHOR</li> <li>CONTOUR LINE</li> <li>TREE LINE / HEDGE LINE</li> <li>EDGE GRAVEL/STONE</li> <li>FENCE LINE</li> <li>STORM SEWER</li> <li>SANITARY SEWER</li> <li>COMBO SEWER</li> <li>WATER SERVICE LINE</li> <li>WATERMAIN</li> <li>OVERHEAD ELEC. LINE</li> <li>OVERHEAD TELECO LINE</li> <li>GAS LINE</li> <li>U.G. TELECO LINE</li> <li>U.G. ELECTRIC LINE</li> <li>UTILITY MARKINGS (WATER, GAS, ELEC, ETC.)</li> </ul>
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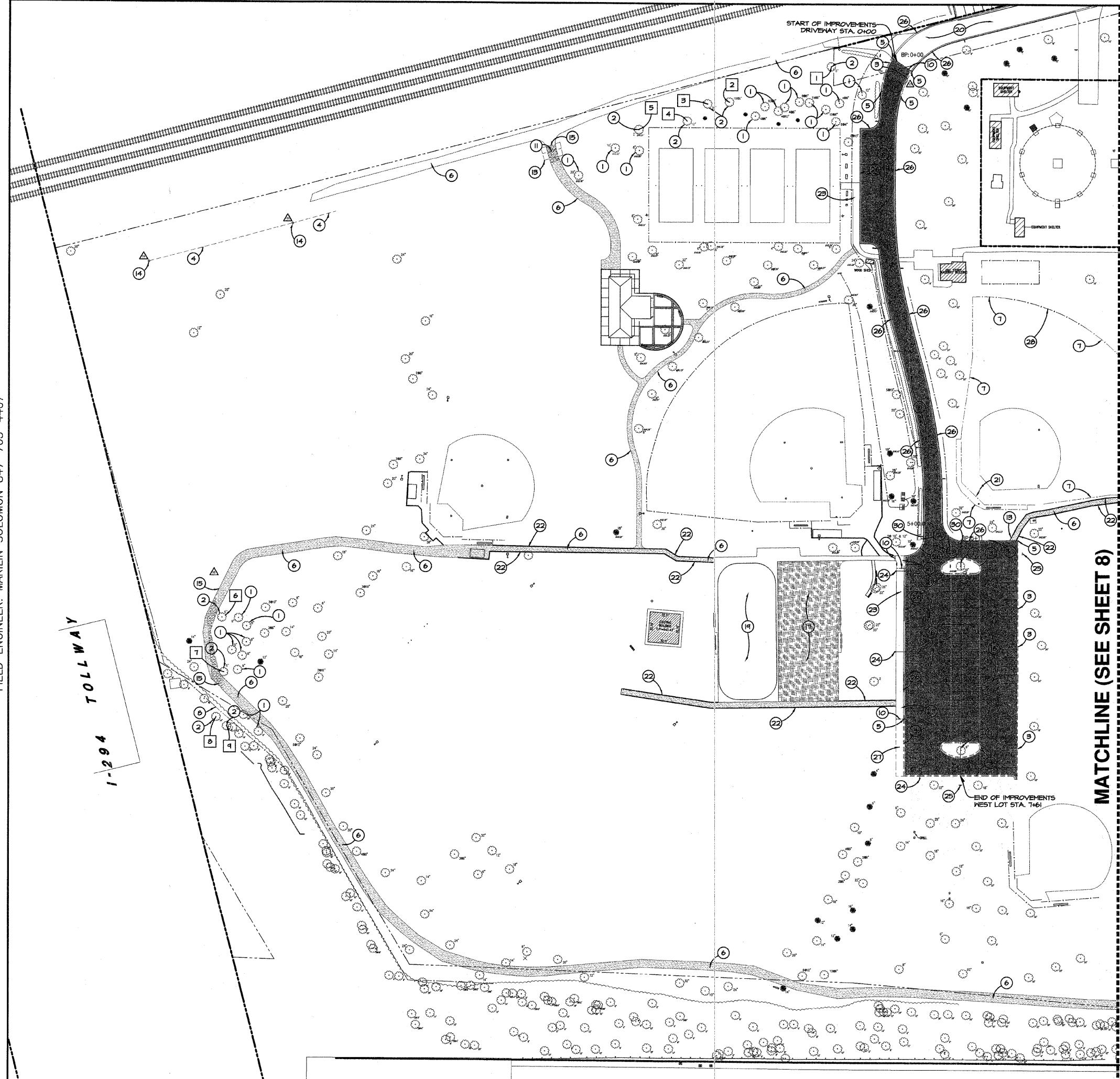


**NOTES:**

- ONSITE BENCHMARK -- SOUTH FLANGE BOLT OF FIRE HYDRANT LOCATED 522 FEET SOUTH OF THE INTERSECTION OF CENTRAL AVENUE & BURLINGTON AVENUE, WEST SIDE OF CENTRAL AVENUE. ELEVATION=661.78  
OFFSITE BENCHMARK -- FEMA REFERENCE MARKER RM 466-1, BEING A CHISELED SQUARE ON SIDEWALK ON THE SOUTHEAST CORNER OF 47th STREET BRIDGE OF FLAG CREEK. ELEVATION=655.09
- THE LOCATION OF UNDERGROUND UTILITIES WAS DETERMINED BY FIELD OBSERVATION AND VISIBLE MARKINGS ONLY.
- FIELD WORK COMPLETED: 4/4/06
- PROPERTY LINES SHOWN ARE APPROXIMATE AND FOR REFERENCE ONLY. THEY HAVE NOT BEEN VERIFIED BY A LEGAL DESCRIPTION OR SURVEYOR.

SCALE: 1" = 40'

1-294 TOLLWAY



MATCHLINE (SEE SHEET 8)

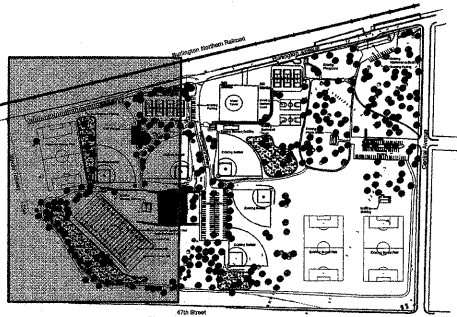
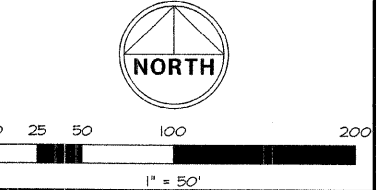
**PROJECT NOTES:**

1. EXISTING TREE TO REMAIN.
2. TREE REMOVAL. (2010010 # (20100210)
3. CONCRETE CURB REMOVAL. (44213200)
4. STORM SEWER REMOVAL 24" (53101200) & STORM SEWER REMOVAL 36" (53101600)
5. SAWCUTS FOR EXISTING CURB - FULL DEPTH FOR CLEAN CONSTRUCTION BREAK. (44213200)
6. EXISTING AGGREGATE DRIVEWAY TO REMAIN.
7. CHAIN LINK FENCE REMOVAL. (66400200)
8. EXISTING FENCE TO BE REMOVED FOR STORM SEWER INSTALLATION AND REINSTALLED IN THE SAME LOCATION. (66404010)
9. DRAINAGE STRUCTURE TO BE REMOVED (TRENCH DRAIN). (20018100)
10. SAWCUTS - EXISTING PAVEMENT FULL DEPTH FOR CLEAN CONSTRUCTION BREAK. (44213200)
11. REMOVE EXISTING CULVERT. (50105200)
12. EXISTING AGGREGATE PATH TO BE REPLACED, STOCKPILE EXISTING AGGREGATE AND RE-SPREAD FOLLOWING RE-GRADING. (TO BE PAID FOR AS SOQ ITEM # 18)
13. EXISTING LANDSCAPE TIMBERS TO BE REMOVED. (TO BE PAID FOR AS SOQ ITEM # 68)
14. REMOVING MANHOLES. (60500040)
15. EXISTING AGGREGATE TO BE REMOVED AND STOCKPILED DURING STORM SEWER INSTALLATION AND RE-SPREAD FOLLOWING INSTALLATION. (TO BE PAID FOR AS SOQ ITEM #11)
16. PAVEMENT REMOVAL REPLACED WITH FULL DEPTH PAVEMENT. REFER TO SOILS REPORT FOR PAVEMENT REMOVAL RECOMMENDATIONS. (44000100)
17. EXISTING ROLLER HOCKEY RINK TO BE REMOVED. (44004400) (TO BE PAID FOR AS SOQ ITEM #27)
18. EXISTING ASPHALT PATH TO BE REMOVED. (44004400) (TO BE PAID FOR AS SOQ ITEM #28)
19. EXISTING RINK TO REMAIN. CONTRACTOR RESPONSIBLE FOR DAMAGES THAT COULD OCCUR DURING DEMOLITION. USE CAUTION WHEN EXCAVATING AND REMOVING THE EXISTING HOCKEY RINK.
20. EXISTING PAVEMENT TO REMAIN.
21. EXISTING BACKSTOP TO BE REMOVED. (XX008515)
22. EXISTING LANDSCAPE TIMBERS TO REMAIN.
23. EXISTING PATH TO REMAIN.
24. EXISTING LIGHT POLE TO REMAIN.
25. EXISTING SIGN TO REMAIN.
26. EXISTING CURB TO REMAIN.
27. SIDEWALK REMOVAL. (44000600)
28. EXISTING BASEBALL FIELD FENCE TO REMAIN.
29. NEW 12" CURB CUT. (TO BE PAID FOR AS 44213200)
30. RELOCATE EXISTING SIGN (X1240500)
31. EXISTING STONE STEPS TO BE REMOVED. (TO BE PAID FOR AS 44004400)
32. REMOVAL OF EXISTING LIGHT UNIT, NO SALVAGE. (64200600)
33. EXISTING SHRUBS TO BE REMOVED. (TO BE PAID FOR AS 20064800)

**DEMOLITION NOTES:**

1. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
2. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH THE MUNICIPALITY AND OWNERS REPRESENTATIVE TO ENSURE PROTECTION AND MAINTENANCE OF SANITARY AND WATER UTILITIES AS NECESSARY AND TO PROVIDE STORED WATER CONVEYANCE UNTIL NEW FACILITIES ARE CONSTRUCTED, TESTED, AND PLACED IN OPERATION.
3. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DAILY PROGRAM OF DUST CONTROL PROCEDURES SHALL BE PERFORMED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY AS REQUESTED. (20014600)
4. THE CONTRACTOR SHALL ARRANGE FOR THE DISCONNECTION AND ABANDONMENT OF ALL UTILITY SERVICES INCLUDING WATER, SEWER, GAS, ELECTRIC, TV, AND TELEPHONE.
5. ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURB AND GUTTER AND MISCELLANEOUS STRUCTURES TO BE DEMOLISHED (INCLUDING, BUT NOT LIMITED TO FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, WHEEL STOPS AND MISCELLANEOUS DEBRIS) SHALL BE DEMOLISHED AND REMOVED FROM THE SITE AND DISPOSED BY THE CONTRACTOR.
6. ALL EXISTING TREES, BRUSH AND MISCELLANEOUS VEGETATION TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.
7. ALL EXISTING SANITARY SEWERS, STORM SEWERS, WATER MAINS AND APPURTENANCES WITHIN THE AREA OF THE PROPOSED PARKING AREAS AND OUTSIDE THE PARKING AREAS INDICATED TO BE ABANDONED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR. ALL ABANDONED SANITARY SEWER AND STORM SEWER SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FEET LONG CONCRETE/MORTAR PLUGS.
8. Voids left by any item removed under any proposed building, pavement, or walk or within 24" thereof shall be filled with clean low void select material consisting of stone, gravel, or sand compacted to 95% of standard proctor.
9. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
10. ANY CURB OR SIDEWALK TO REMAIN THAT IS DAMAGED BY DEMOLITION OF THE EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR UNDER THE DIRECTION OF THE OWNER.

TREE REMOVAL TABLE			
NUMBER	STA./LOCATION	OFFSET	DIAMETER (IN.)
1	NORTH OF TENNIS COURTS	N/A	6
2	NORTH OF TENNIS COURTS	N/A	10
3	NORTH OF TENNIS COURTS	N/A	16
4	NORTH OF TENNIS COURTS	N/A	12
5	NORTHWEST OF TENNIS COURTS	N/A	2
6	NORTHWEST OF EXISTING FOOTBALL FIELDS NEAR CREEK	N/A	6
7	NORTHWEST OF EXISTING FOOTBALL FIELDS NEAR CREEK	N/A	6
8	WEST OF EXISTING FOOTBALL FIELDS NEAR CREEK	N/A	14
9	WEST OF EXISTING FOOTBALL FIELDS NEAR CREEK	N/A	6



KEY MAP  
SPRING ROCK PARK  
1" = 200'

FA RITE.	SECTION	COUNTY
---	05-PA098-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63080

REVISIONS	DATE	BY
PER IDOT COMMENTS	6-15-08	JFG
PER IDOT COMMENTS	6-24-08	JFG
PER IDOT COMMENTS	7-18-08	JFG
PER IDOT COMMENTS	7-25-08	JFG
PER IDOT COMMENTS	8-4-08	JFG

**W-T CIVIL ENGINEERING, LLC.**  
CIVIL AND STRUCTURAL ENGINEERS  
2875 Franklin Avenue  
Hoffman Estates, Illinois 60132  
PH: (224) 293-6333 FAX: (224) 293-6444  
www.wtengineering.com  
IL License No.: 184-C03482 Exp: 04/30/09



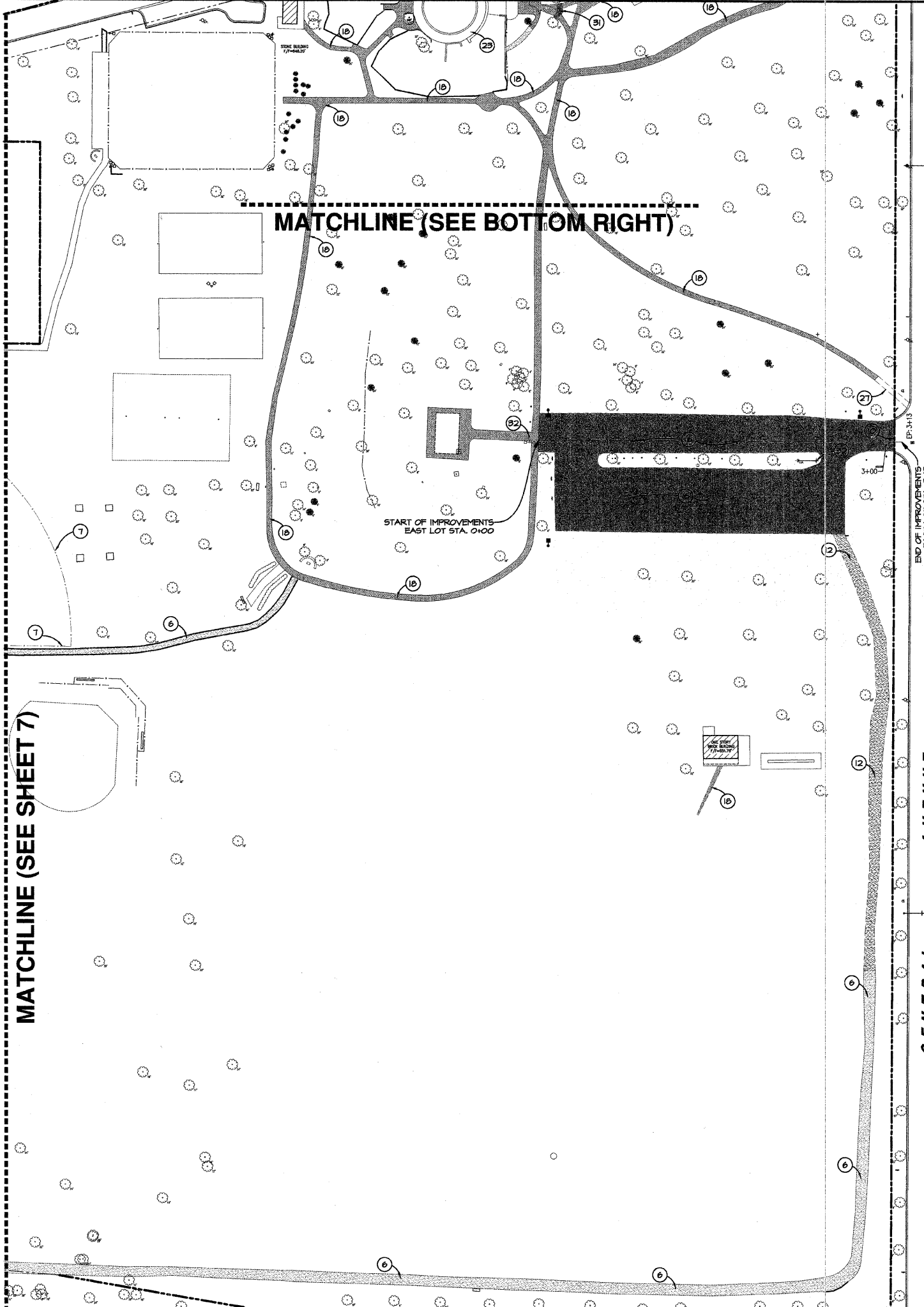
**SPRING ROCK PARK**  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

**SITE DEMOLITION PLAN**

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JFG
CHECK:	TOA
JOB:	CE06316
SHEET	7 OF 26



FIELD ENGINEER: MARILIN SOLOMON 847-705-4407



**PROJECT NOTES:**

1. EXISTING TREE TO REMAIN.
2. TREE REMOVAL (2010010) & (20100210)
3. CONCRETE CURB REMOVAL (4400200)
4. STORM SEWER REMOVAL 24" (55101200) & STORM SEWER REMOVAL 36" (55101600)
5. SAWCUTS FOR EXISTING CURB - FULL DEPTH FOR CLEAN CONSTRUCTION BREAK. (44213200)
6. EXISTING AGGREGATE PATHWAY TO REMAIN.
7. CHAIN LINK FENCE REMOVAL (66400200)
8. EXISTING FENCE TO BE REMOVED FOR STORM SEWER INSTALLATION, AND REINSTALLED IN THE SAME LOCATION. (66410410)
9. DRAINAGE STRUCTURE TO BE REMOVED (TRENCH DRAIN). (20018100)
10. SAWCUTS - EXISTING PAVEMENT FULL DEPTH FOR CLEAN CONSTRUCTION BREAK. (44213200)
11. REMOVE EXISTING CULVERT. (50105200)
12. EXISTING AGGREGATE PATH TO BE REPLACED. STOCKPILE EXISTING AGGREGATE AND RE-SREAD FOLLOWING RE-GRADING. (TO BE PAID FOR AS SOQ ITEM # 18)
13. EXISTING LANDSCAPE TIMBERS TO BE REMOVED. (TO BE PAID FOR AS SOQ ITEM # 68)
14. REMOVING MANHOLES. (60500040)
15. EXISTING AGGREGATE TO BE REMOVED AND STOCKPILED DURING STORM SEWER INSTALLATION, AND RE-SREAD FOLLOWING INSTALLATION. (TO BE PAID FOR AS SOQ ITEM #71)
16. PAVEMENT REMOVAL REPLACED WITH FULL DEPTH PAVEMENT. REFER TO SOILS REPORT FOR PAVEMENT REMOVAL RECOMMENDATIONS. (44000100)
17. EXISTING ROLLER HOCKEY RINK TO BE REMOVED. (44004400) (TO BE PAID FOR AS SOQ ITEM #)
18. EXISTING ASPHALT PATH TO BE REMOVED. (44004402) (TO BE PAID FOR AS SOQ ITEM #28)
19. EXISTING RINK TO REMAIN. CONTRACTOR RESPONSIBLE FOR DAMAGES THAT COULD OCCUR DURING DEMOLITION. USE CAUTION WHEN EXCAVATING AND REMOVING THE EXISTING HOCKEY RINK.
20. EXISTING PAVEMENT TO REMAIN.
21. EXISTING BACKSTOP TO BE REMOVED. (00009575)
22. EXISTING LANDSCAPE TIMBERS TO REMAIN.
23. EXISTING PATH TO REMAIN.
24. EXISTING LIGHT POLE TO REMAIN.
25. EXISTING SIGN TO REMAIN.
26. EXISTING CURB TO REMAIN.
27. SIDEWALK REMOVAL. (44000600)
28. EXISTING BASEBALL FIELD FENCE TO REMAIN.
29. NEW 5" CURB CUT. (TO BE PAID FOR AS 44213200)
30. RELOCATE EXISTING SIGN (1240500)
31. EXISTING STONE STEPS TO BE REMOVED. (TO BE PAID FOR AS 44004402)
32. REMOVAL OF EXISTING LIGHT UNIT, NO SALVAGE. (84200600)
33. EXISTING SHRUBS TO BE REMOVED. (TO BE PAID FOR AS 20064800)

NOTE:  
ALL TREES AND BUSHES TO REMAIN UNLESS OTHERWISE NOTED.  
ALL EXISTING CONCRETE WHEEL TOWERS TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

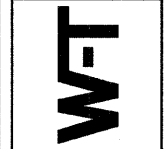
**DEMOLITION NOTES:**

1. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
2. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH THE MUNICIPALITY AND OWNERS REPRESENTATIVE TO ENSURE PROTECTION AND MAINTENANCE OF SANITARY AND WATER UTILITIES AS NECESSARY AND TO PROVIDE STORM WATER CONVEYANCE UNTIL NEW FACILITIES ARE CONSTRUCTED, TESTED, AND PLACED IN OPERATION.
3. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DAILY PROGRAM OF DUST CONTROL PROCEDURES PRIOR TO DEMOLITION OF ANY STRUCTURES. MODIFICATION OF DUST CONTROL PROCEDURES SHALL BE PERFORMED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY AS REQUESTED. (20016600)
4. THE CONTRACTOR SHALL ARRANGE FOR THE DISCONNECTION AND ABANDONMENT OF ALL UTILITY SERVICES INCLUDING WATER SEWER, GAS, ELECTRIC, TV, AND TELEPHONE.
5. ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURBS AND GUTTERS AND MISCELLANEOUS STRUCTURES TO BE DEMOLISHED (INCLUDING, BUT NOT LIMITED TO, FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, WHEEL STOPS AND MISCELLANEOUS DEBRIS) SHALL BE DEMOLISHED AND REMOVED FROM THE SITE AND DISPOSED BY THE CONTRACTOR.
6. ALL EXISTING TREES, BRUSH AND MISCELLANEOUS VEGETATION TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.
7. ALL EXISTING SANITARY SEWERS, STORM SEWERS, WATER MAINS AND APPURTENANCES WITHIN THE AREA OF THE PROPOSED PARKING AREAS AND OUTSIDE THE PARKING AREAS INDICATED TO BE ABANDONED SHALL BE REMOVED FROM THE SITE AND DISPOSED BY THE CONTRACTOR. ALL ALL ABANDONED SANITARY SEWER AND STORM SEWER SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FEET LONG CONCRETE/MORTAR PLUGS.
8. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE FILLED WITH CLEAN LOW VOID SELECT MATERIAL CONSISTING OF STONE, GRAVEL, OR SAND COMPACTED TO 95% OF STANDARD PROCTOR.
9. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
10. ANY CURB OR SIDEWALK TO REMAIN THAT IS DAMAGED BY DEMOLITION OF THE EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR UNDER THE DIRECTION OF THE OWNER.

FA RITE.	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

REVISIONS	DATE	BY
PER IDOT COMMENTS	6-13-08	JPG
PER IDOT COMMENTS	6-24-08	JPG
PER IDOT COMMENTS	7-18-08	JPG
PER IDOT COMMENTS	7-25-08	JPG
PER IDOT COMMENTS	8-4-08	JPG

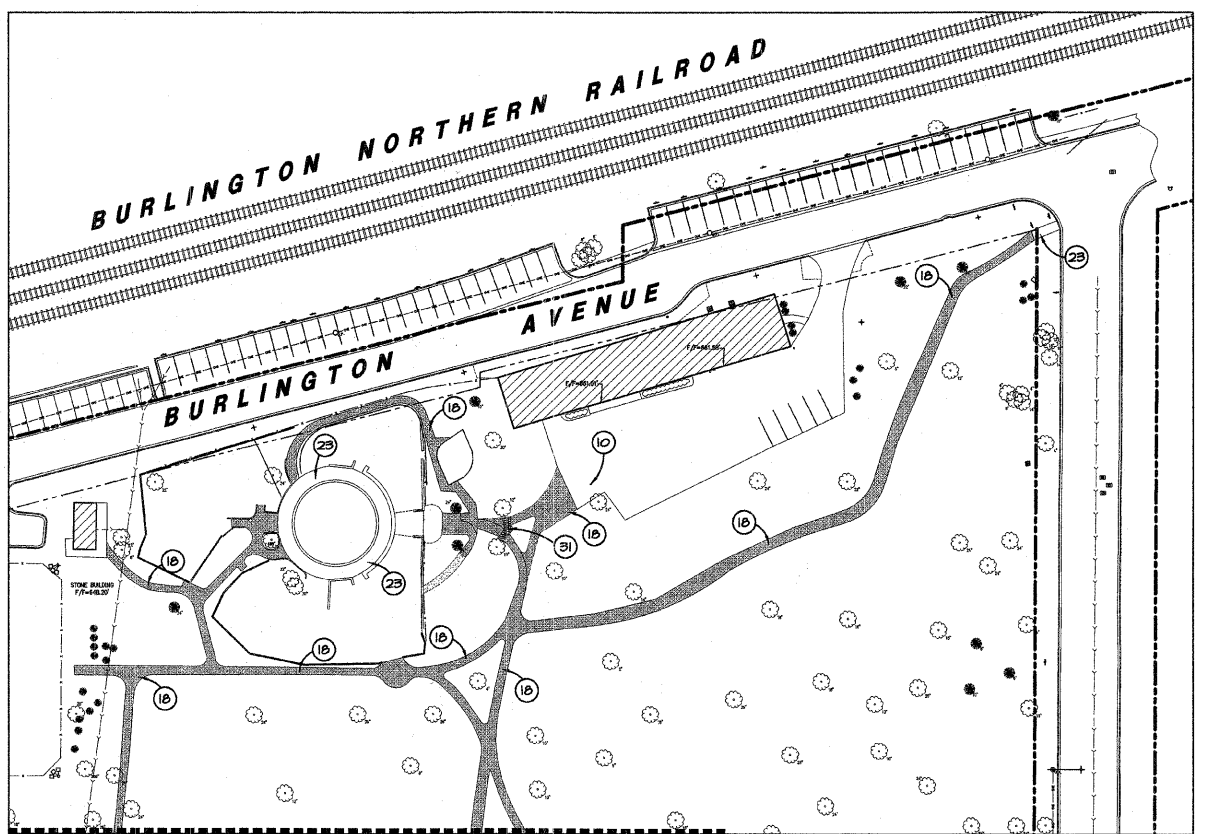
**W-T CIVIL ENGINEERING, LLC.**  
CIVIL AND STRUCTURAL ENGINEERS  
2875 Prairie Avenue  
Hoffman Estates, Illinois 60132  
PH: (224) 293-6333 FAX: (224) 293-6444  
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IL License No.: 184-03482 Exp: 04/30/09



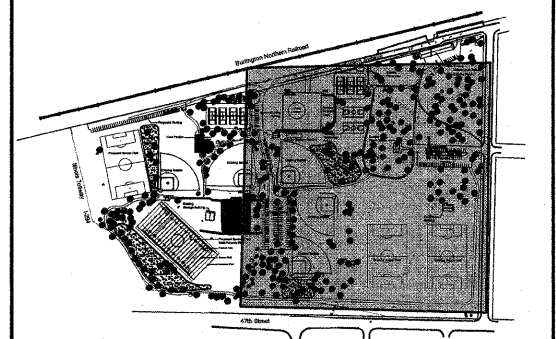
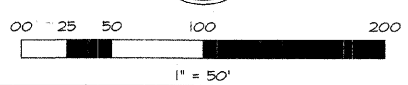
**SPRING ROCK PARK**  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

**SITE DEMOLITION PLAN**

DATE: 05/23/08  
SCALE: 1" = 50'  
DRAWN: JPG  
CHECK: TOA  
JOB: GE06316  
SHEET  
**8 OF 26**



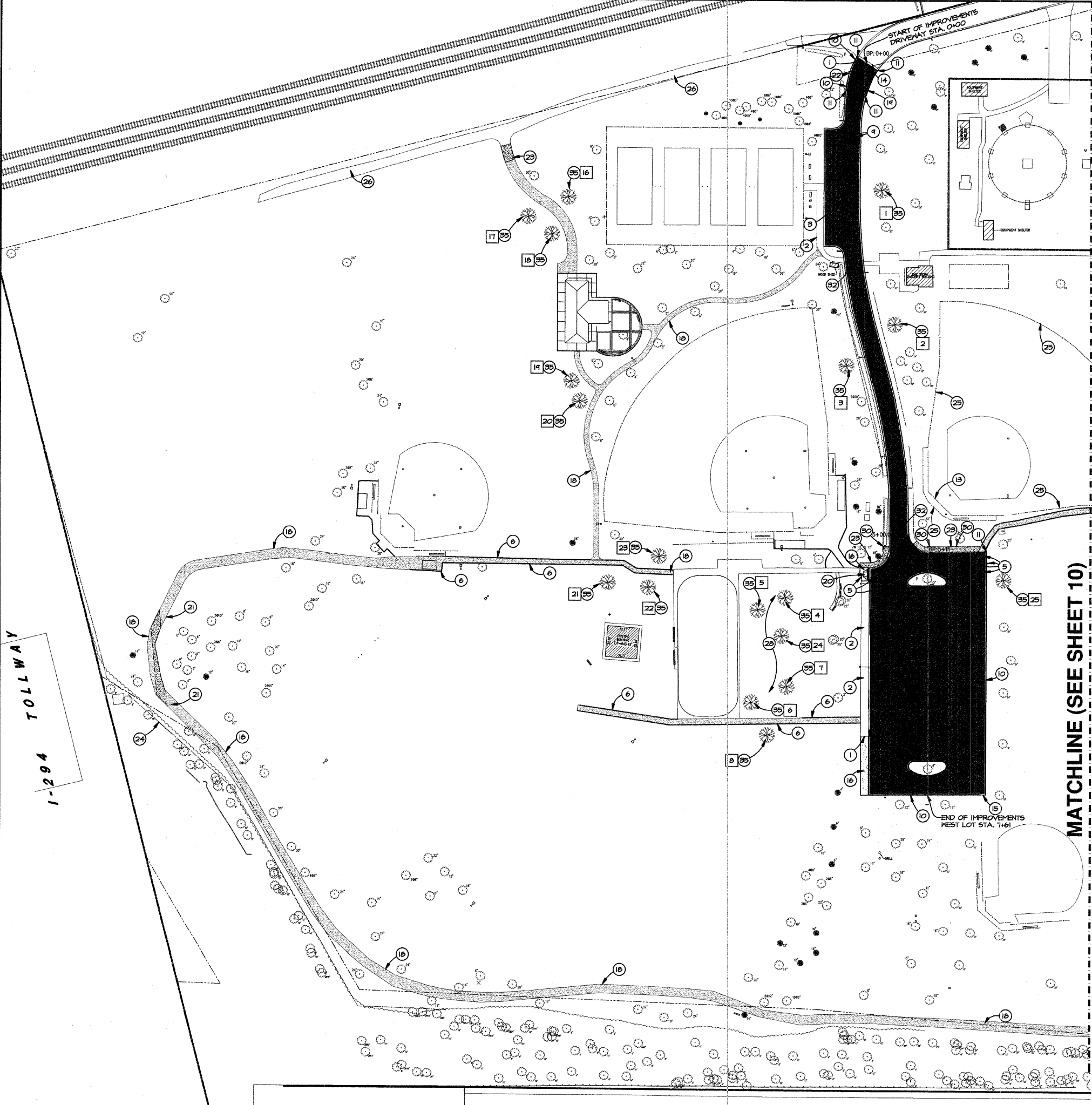
MATCHLINE (SEE TOP LEFT)



**KEY MAP**  
SPRING ROCK PARK

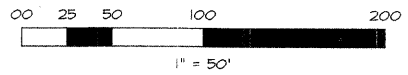
FIELD ENGINEER: MARILIN SOLOMON 847-705-4407

1-294 TOLLWAY



TREE SCHEDULE			
NUMBER	IDOT PAY ITEM NO.	DESCRIPTION	DIAMETER (IN.)
1	A2008024	PRAIRIE PRIDE HACKBERRY	3
2	A2008024	PRAIRIE PRIDE HACKBERRY	3
3	A2008024	PRAIRIE PRIDE HACKBERRY	3
4	A2007824	AMERICAN LINDENBASSWOOD	3
5	A2007824	AMERICAN LINDENBASSWOOD	3
6	A2006520	SWAMP WHITE OAK	2 1/2
7	A2006520	SWAMP WHITE OAK	2 1/2
8	A2006520	SWAMP WHITE OAK	2 1/2
9	A2007120	RED OAK	2 1/2
10	A2007120	RED OAK	2 1/2
11	A2007624	COMMON BALD CYPRESS	3
12	A2007624	COMMON BALD CYPRESS	3
13	A2007624	COMMON BALD CYPRESS	3
14	A2007624	COMMON BALD CYPRESS	3
15	A2007624	COMMON BALD CYPRESS	3
16	A2008024	PRAIRIE PRIDE HACKBERRY	3
17	A2008024	PRAIRIE PRIDE HACKBERRY	3
18	A2008024	PRAIRIE PRIDE HACKBERRY	3
19	A2007120	RED OAK	2 1/2
20	A2007120	RED OAK	2 1/2
21	A2007120	RED OAK	2 1/2
22	A2007120	RED OAK	2 1/2
23	A2007120	RED OAK	2 1/2
24	A2007624	COMMON BALD CYPRESS	3
25	A2008024	PRAIRIE PRIDE HACKBERRY	3
26	A2008024	PRAIRIE PRIDE HACKBERRY	3
27	A2008024	PRAIRIE PRIDE HACKBERRY	3

NOTE: SPECIFIC PROJECT NOTE DESCRIPTION TO BE PAID FOR AS THE ITEM NUMBER AND OR IDOT CODE NUMBER LISTED ADJACENT TO THE DESCRIPTION ( ).



- PROJECT NOTES:**
- NEW SAWCUTS - EXISTING PAVEMENT TO BE SAWCUT FULL DEPTH TO PROVIDE CLEAN CONSTRUCTION BREAK. (442B200)
  - EXISTING SIDEWALK TO REMAIN.
  - NEW PAINT PAVEMENT MARKINGS - LINE 4" (1800110)
  - NEW ASPHALT PATHWAY, FOLLOW CONFIGURATION OF THE EXISTING PATHWAY IN LOCATIONS WHERE EXISTING PATHS EXIST. (35100400) & (4060335)
  - PAINT PAVEMENT MARKINGS - LETTERS AND SYMBOLS - NEW HANDICAP, STRIPING, SYMBOL AND SIGN. (1800100)
  - EXISTING LANDSCAPE TREES TO REMAIN.
  - NEW PAINT PAVEMENT MARKINGS - LETTERS AND SYMBOLS - NEW 2' WIDE WHITE PAINTED STOP BAR. (1800100)
  - PAINT PAVEMENT MARKINGS - LETTERS AND SYMBOLS - NEW WHITE PAINTED TRAFFIC ARROWS. (1800100)
  - NEW 6" 1/2 CONCRETE CURB AND GUTTER. (60603800)
  - NEW SAWCUTS - EXISTING CURB TO BE SAWCUT FULL DEPTH TO PROVIDE CLEAN CONSTRUCTION BREAK. (442B200)
  - NEW AREA LIGHT (SEE PHOTOMETRIC PLAN FOR DETAILS) (50Q ITEM #545500094)
  - NEW BASEBALL BACKSTOP. (50Q ITEM #8)
  - NEW 2' BUTT JOINT. (20007500)
  - NEW 5' CURB CUT. (442B200)
  - NEW PORTLAND CEMENT CONCRETE SIDEWALK 5". (42400200) & (35100200)
  - NEW ASPHALT PAVEMENT. (40603000) & (4060335)
  - EXISTING AGGREGATE PATHWAY TO BE RE-SPREAD WITH 2" OF NEW AGGREGATE SCREENINGS. (50Q ITEM #16)
  - NEW COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12 CURB WITH REVERSE GUTTER FITCH. (60603800)
  - NEW CURB RAMPS FOR SIDEWALKS WITH DETECTABLE WARNINGS. (42400200), (35100300) & (42400800)
  - EXISTING GRAVEL TO BE REPLACED. CONTRACTOR TO REMOVE EXISTING GRAVEL AND STOCKPILE DURING STORM SEWER INSTALLATION, THEN REPLACE AFTER INSTALLATION IS COMPLETE. (50Q ITEM #7)
  - NEW 6" CURB CUT. (442B200)
  - NEW AGGREGATE PATHWAY. (35100700)
  - NEW LOCATION FOR CHAIN LINK FENCE TO BE RELOCATED. (66401010)
  - NEW CHAIN LINK FENCE 5' - FOR BASEBALL FIELD. (66400205)
  - EXISTING GRAVEL DRIVE FOR SPREADING OF SURFACE MILLINGS.
  - NEW 8" 1/2 CONCRETE WHEEL STOP. (TYP. OF 610X2003816)
  - NEW LANDSCAPE AREA. (21101625) & (25000210)
  - EXISTING PAVEMENT TO REMAIN.
  - NEW LOCATION OF EXISTING SIGN RELOCATION. (X240500)
  - NEW VANDAL PROOF UPLIGHT. (50Q ITEM #40)
  - NEW 5' WHITE PAINTED CROSS-WALK. (1800110) & (18001150)
  - EXISTING PAVEMENT TO REMAIN.
  - EXISTING DRINKING FOUNTAIN TO REMAIN.
  - APPROXIMATE LOCATION OF WATER MAIN. CONTRACTOR TO USE CAUTION NOT TO DAMAGE WATER MAIN DURING CONSTRUCTION.
  - NEW SHADE TREE. (TYP. OF 21) (SEE TREE SCHEDULE FOR DETAILS)

NOTE:  
CONTRACTOR SHALL FOLLOW RECOMMENDATIONS OF THE SOILS ENGINEER FOR SUBGRADE PREPARATION. REFER TO THE SOILS REPORT FOR DETAILS. WHERE IT IS NECESSARY, UNSUITABLE SUBGRADE SHALL BE REMOVED AND FA-2 BACKFILL SHALL BE PLACED. (20201200)

SEE SITE ELECTRICAL PLANS FOR ALL PHOTOMETRIC INFORMATION.  
ALL PAINTED CURB ON SITE TO BE REPAINTED FOLLOWING RE-PAVING OF THE PARKING LOT. MATCH EXISTING COLOR, REPAINT WITH HIGH QUALITY PAINT. (20086200)

CONTRACTOR AND OWNER TO FIELD CHECK EXISTING CURB PRIOR TO AND FOLLOWING RE-PAVING TO DETERMINE EXTENTS OF THE REMOVAL AND REPLACEMENT OF THE EXISTING CURBING. (44002000) & (60603800)

IN AREAS DESIGNATED TO MATCH THE TOP OF SIDEWALK ELEVATION, THE CONTRACTOR SHALL REMOVE THE EXISTING GRAVEL SIDEWALK AND MATCH THE EXISTING TOP OF SIDEWALK ELEVATION WITH THE NEW PATHWAY. THE NEW PATHWAY SHALL NOT BE RAISED ABOVE THE EXISTING ELEVATION.

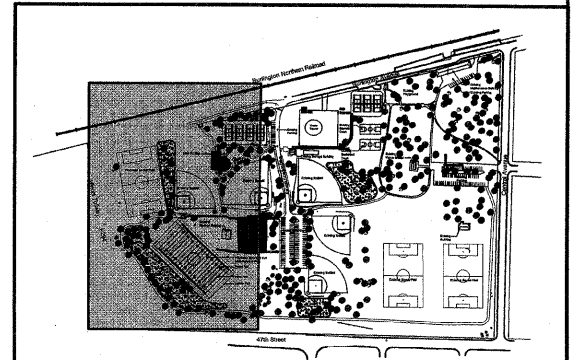
CONTRACTOR TO USE CAUTION WHEN EXCAVATING NEAR EXISTING TELE-CO MANHOLES AND EXISTING STRUCTURE #18.

MILLINGS FROM RE-PAVING TO BE SPREAD ON NORTH GRAVEL DRIVE. SEE PROJECT NOTE 21 FOR GRAVEL DRIVE LOCATION. COORDINATE WITH OWNER.

ALL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION TO HAVE 6" OF TOPSOIL AND CLASS 2A SEED. (21101625) & (25000210)

ALL TREES SHOWN ON THIS PLAN ARE TO REMAIN.

- LEGEND:**
- EXISTING AGGREGATE PATH TO BE RE-SPREAD WITH 2" OF AGGREGATE SCREENINGS. (50Q ITEM #16)
  - NEW ASPHALT PAVEMENT.  
1-1/2" HMA SURFACE COURSE MIX 10' N50 (40603310)  
2-1/4" HMA BINDER COURSE, IL-19.0N50 (40603080)  
BITUMINOUS MATERIALS PRIME COAT (40300100)  
AGGREGATE BASE COURSE, TYPE A 10" (35100400)
  - NEW ASPHALT PATHWAY.  
2" HMA SURFACE COURSE MIX 10' N50 (40603310)  
AGGREGATE BASE COURSE, TYPE A 5" (35100400)
  - NEW AGGREGATE PATHWAY.  
3" LIMESTONE SCREENINGS SURFACE (NEW PATHS) (50Q ITEM # 15)  
AGGREGATE BASE COURSE, TYPE A 8" (35100700)
  - NEW SHADE TREE. (SEE TREE SCHEDULE)



KEY MAP  
1" = 200'

FA RITE.	SECTION	COUNTY
-- --	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

DATE	BY
6-18-08	JPG
6-24-08	JPG
7-18-08	JPG
7-25-08	JPG
8-4-08	JPG

REVISONS	DATE	BY
PER IDOT COMMENTS	6-18-08	JPG
PER IDOT COMMENTS	6-24-08	JPG
PER IDOT COMMENTS	7-18-08	JPG
PER IDOT COMMENTS	7-25-08	JPG
PER IDOT COMMENTS	8-4-08	JPG

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IL License No.: 184-003492 Exp: 04/30/09

**W-T**

SPRING ROCK PARK  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

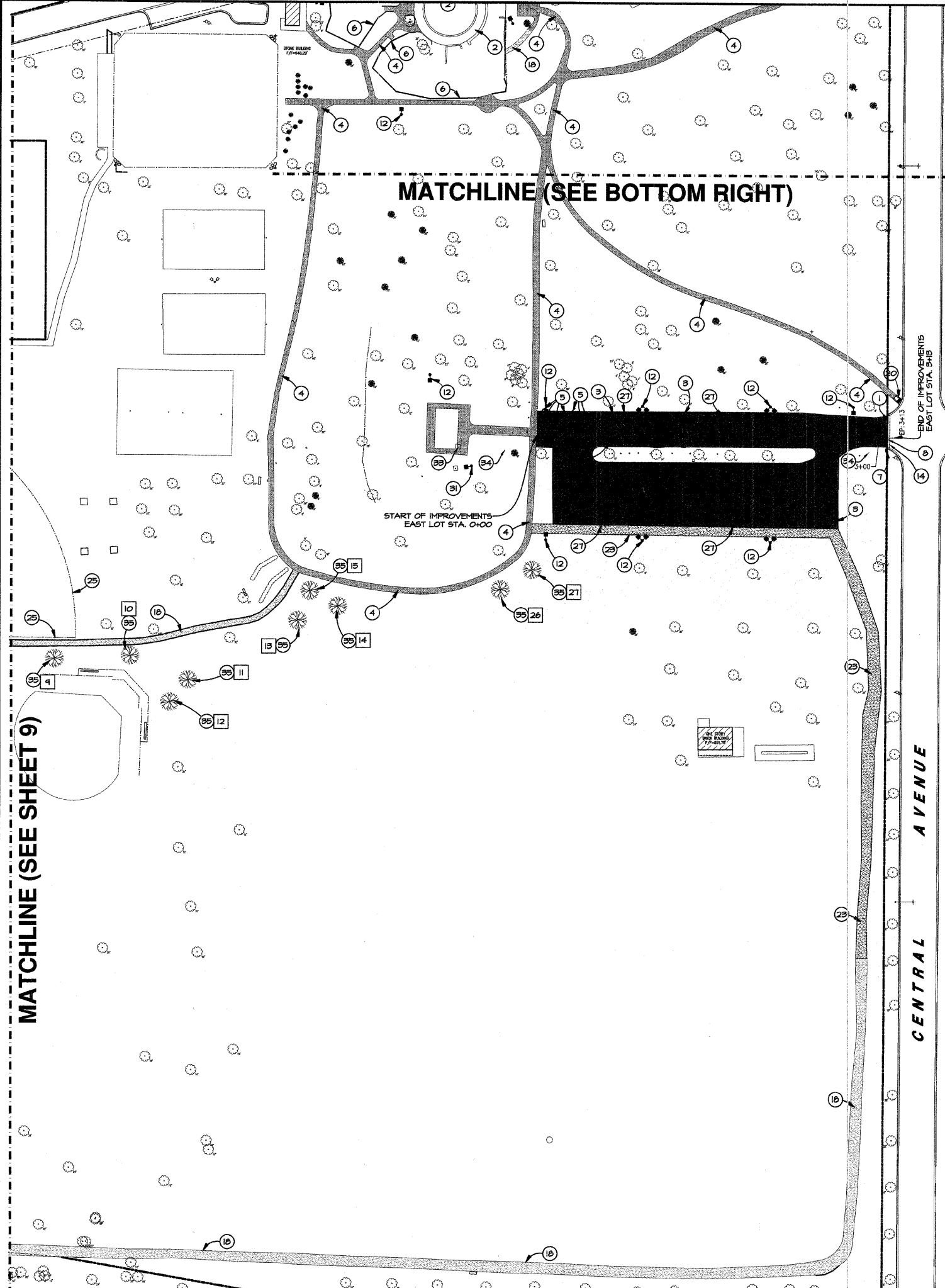
  

SITE DEVELOPMENT PLAN

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JPG
CHECK:	TOA
JOB:	CE06316
SHEET:	9 OF 26

FIELD ENGINEER: MARLIN SOLOMON 847-705-4407



TREE SCHEDULE			
NUMBER	IDOT PAY ITEM NO.	DESCRIPTION	DIAMETER (IN.)
1	A2008024	PRAIRIE PRIDE HACKBERRY	3
2	A2008024	PRAIRIE PRIDE HACKBERRY	3
3	A2008024	PRAIRIE PRIDE HACKBERRY	3
4	A2007824	AMERICAN LINDEN/BASSWOOD	3
5	A2007824	AMERICAN LINDEN/BASSWOOD	3
6	A2006520	SWAMP WHITE OAK	2 1/2
7	A2006520	SWAMP WHITE OAK	2 1/2
8	A2006520	SWAMP WHITE OAK	2 1/2
9	A2007120	RED OAK	2 1/2
10	A2007120	RED OAK	2 1/2
11	A2007624	COMMON BALD CYPRESS	3
12	A2007624	COMMON BALD CYPRESS	3
13	A2007624	COMMON BALD CYPRESS	3
14	A2007624	COMMON BALD CYPRESS	3
15	A2007624	COMMON BALD CYPRESS	3
16	A2008024	PRAIRIE PRIDE HACKBERRY	3
17	A2008024	PRAIRIE PRIDE HACKBERRY	3
18	A2008024	PRAIRIE PRIDE HACKBERRY	3
19	A2007120	RED OAK	2 1/2
20	A2007120	RED OAK	2 1/2
21	A2007120	RED OAK	2 1/2
22	A2007120	RED OAK	2 1/2
23	A2007120	RED OAK	2 1/2
24	A2007624	COMMON BALD CYPRESS	3
25	A2008024	PRAIRIE PRIDE HACKBERRY	3
26	A2008024	PRAIRIE PRIDE HACKBERRY	3
27	A2008024	PRAIRIE PRIDE HACKBERRY	3

**PROJECT NOTES:**

- NEW SAWCUTS - EXISTING PAVEMENT TO BE SAWCUT FULL DEPTH TO PROVIDE CLEAN CONSTRUCTION BREAK. (44215200)
- EXISTING SIDEWALK TO REMAIN
- NEW PAINT PAVEMENT MARKING - LINE 4" (1800110)
- NEW ASPHALT PATHWAY. FOLLOW CONFIGURATION OF THE EXISTING PATHWAY IN LOCATIONS WHERE EXISTING PATHS EXIST. (35100100) & (40603800)
- PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS - NEW HANDICAP, STRIPING, SYMBOL AND SIGN. (18001100)
- EXISTING LANDSCAPE TIMBERS TO REMAIN.
- NEW R-1 STOP SIGN. (12000100)
- PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS - NEW 2' WIDE WHITE PAINTED STOP BAR. (18001100)
- PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS - NEW WHITE PAINTED TRAFFIC ARROWS. (18001100)
- NEW B6.12 CONCRETE CURB AND GUTTER. (60603800)
- NEW SAWCUTS - EXISTING CURB TO BE SAWCUT FULL DEPTH TO PROVIDE CLEAN CONSTRUCTION BREAK. (44215200)
- NEW AREA LIGHT (SEE PHOTOGRAPHIC PLAN FOR DETAILS) (50Q ITEM #54558888)
- NEW BASEBALL BACKSTOP. (50Q ITEM #81)
- NEW 2" BUTT JOINT. (20007100)
- NEW 5' CURB CUT. (44215200)
- NEW PORTLAND CEMENT CONCRETE SIDEWALK 5". (42400200) & (35100300)
- NEW ASPHALT PAVEMENT. (40603800) & (40603935)
- EXISTING AGGREGATE PATHWAY TO BE RE-SPREAD WITH 2" OF NEW AGGREGATE SCREENINGS. (50Q ITEM #16)
- NEW COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12 CURB WITH REVERSE GUTTER FITCH. (60603800)
- NEW CURB RAMPS FOR SIDEWALKS WITH DETECTABLE WARNINGS. (42400200), (35100300) & (42400800)
- EXISTING GRAVEL TO BE REPLACED. CONTRACTOR TO REMOVE EXISTING GRAVEL AND STOCKPILE DURING STORM SEWER INSTALLATION, THEN REPLACE AFTER INSTALLATION IS COMPLETE. (50Q ITEM #17)
- NEW 8' CURB CUT. (44215200)
- NEW AGGREGATE PATHWAY. (35100100)
- NEW LOCATION FOR CHAIN LINK FENCE TO BE RELOCATED. (66410410)
- NEW CHAIN LINK FENCE 3' - FOR BASEBALL FIELD. (66400205)
- EXISTING GRAVEL DRIVE FOR SPREADING OF SURFACE MILLINGS.
- NEW CONCRETE WHEEL STOP. (TYP. OF 6)(XXXX03816)
- NEW LANDSCAPE AREA. (1101625 & 25000210)
- EXISTING PAVEMENT TO REMAIN.
- NEW LOCATION OF EXISTING SIGN RELOCATION. (XT240500)
- NEW VANDAL PROOF UPLIGHT. (50Q ITEM #10)
- NEW 5' WHITE PAINTED CROSS-WALK. (1800110) & (18001150)
- EXISTING DRINKING FOUNTAIN TO REMAIN.
- APPROXIMATE LOCATION OF WATER MAIN. CONTRACTOR TO USE CAUTION NOT TO DAMAGE WATER MAIN DURING CONSTRUCTION.
- NEW SHADE TREE. (TYP. OF 21) (SEE TREE SCHEDULE FOR DETAILS)

FA SITE	SECTION	COUNTY
---	05-P4098-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

NOTE:  
CONTRACTOR SHALL FOLLOW RECOMMENDATIONS OF THE SOILS ENGINEER FOR SUBGRADE PREPARATION. REFER TO THE SOILS REPORT FOR DETAILS. WHERE IT IS NECESSARY, UNSUITABLE SUBGRADE SHALL BE REMOVED AND FA-2 BACKFILL SHALL BE PLACED. (20201200)

SEE SITE ELECTRICAL PLANS FOR ALL PHOTOMETRIC INFORMATION. ALL PAINTED CURB ON SITE TO BE REPAINTED FOLLOWING RE-PAVING OF THE PARKING LOT. MATCH EXISTING COLOR, REPAINT WITH HIGH QUALITY PAINT. (20096200)

CONTRACTOR AND OWNER TO FIELD CHECK EXISTING CURB PRIOR TO AND FOLLOWING RE-PAVING TO DETERMINE EXTENTS OF THE REMOVAL AND REPLACEMENT OF THE EXISTING CURBING. (44002000) & (60603800)

IN AREAS DESIGNATED TO MATCH THE TOP OF SIDEWALK ELEVATION, THE CONTRACTOR SHALL REMOVE THE EXISTING GRAVEL SIDEWALK AND MATCH THE EXISTING TOP OF SIDEWALK ELEVATION WITH THE NEW PATHWAY. THE NEW PATHWAY SHALL NOT BE RAISED ABOVE THE EXISTING ELEVATION.

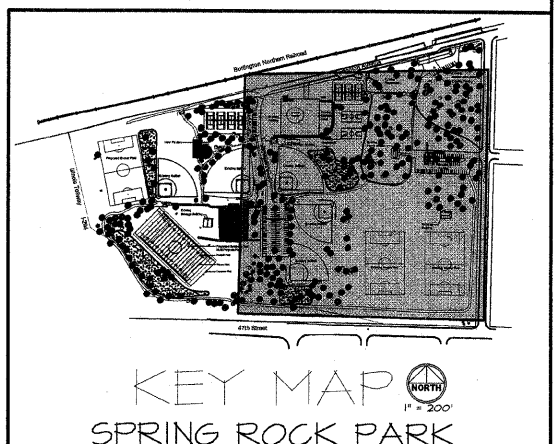
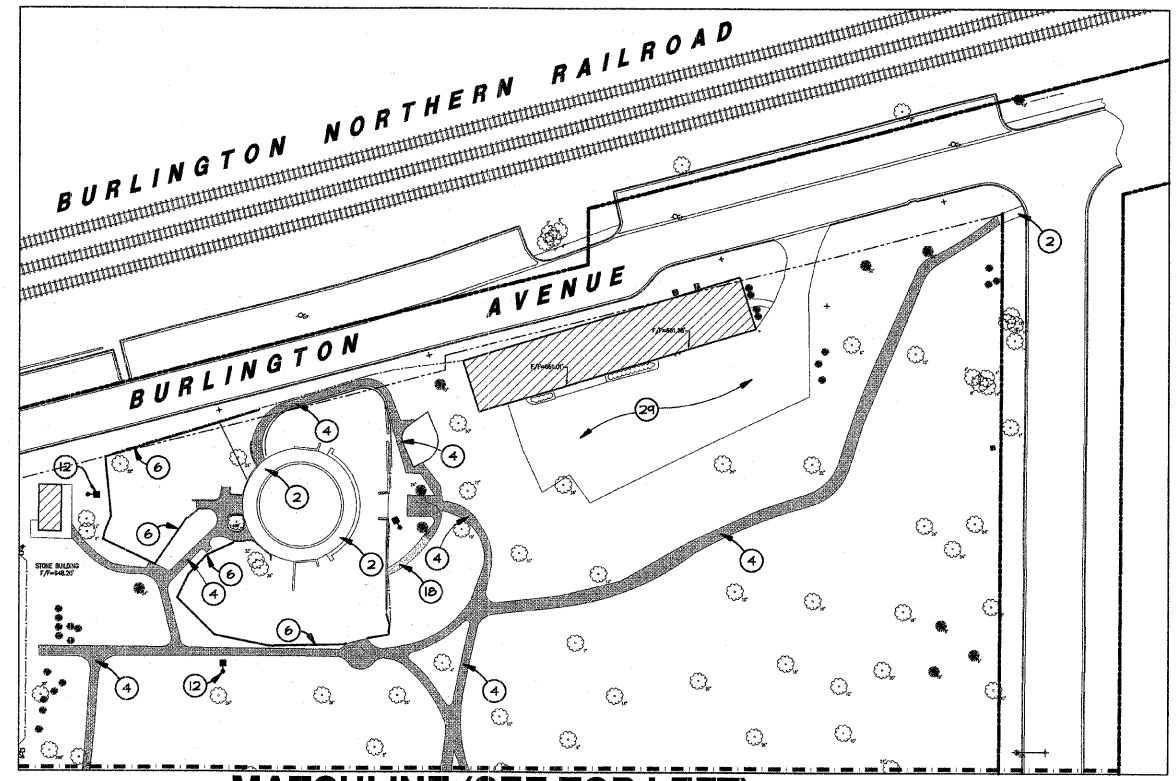
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MILLINGS FROM RE-PAVING TO BE SPREAD ON NORTH GRAVEL DRIVE. SEE PROJECT NOTE 21 FOR GRAVEL DRIVE LOCATION. COORDINATE WITH OWNER.

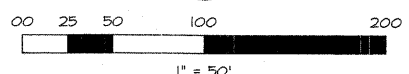
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ALL TREES SHOWN ON THIS PLAN ARE TO REMAIN.

- LEGEND:**
- EXISTING AGGREGATE PATH TO BE RE-SPREAD WITH 2" OF AGGREGATE SCREENINGS. (50Q ITEM #16)
  - NEW ASPHALT PAVEMENT. 1-1/2" HMA SURFACE COURSE MIX "C" N50 (40603810) 2-1/4" HMA BINDER COURSE, IL-14.0 N50 (40603800) BITUMINOUS MATERIALS PRIME COAT (40300100) AGGREGATE BASE COURSE, TYPE A 10" (35100400)
  - NEW ASPHALT PATHWAY. 2" HMA SURFACE COURSE MIX "C" N50 (40603810) AGGREGATE BASE COURSE, TYPE A 5" (35100400)
  - NEW AGGREGATE PATHWAY. 3" LIMESTONE SCREENING SURFACE (NEW PATHS) (50Q ITEM # 15) AGGREGATE BASE COURSE, TYPE A 8" (35100100)
  - NEW SHADE TREE. (SEE TREE SCHEDULE)



NOTE: SPECIFIC PROJECT NOTE DESCRIPTION TO BE PAID FOR AS THE ITEM NUMBER AND OR IDOT CODE NUMBER LISTED ADJACENT TO THE DESCRIPTION ( ).



DATE	BY	REVISIONS
6-15-08	JFG	PER IDOT COMMENTS
6-24-08	JFG	PER IDOT COMMENTS
7-18-08	JFG	PER IDOT COMMENTS
7-25-08	JFG	PER IDOT COMMENTS
8-4-08	JFG	PER IDOT COMMENTS

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IL License No.: 184-003492 Exp. 04/30/09

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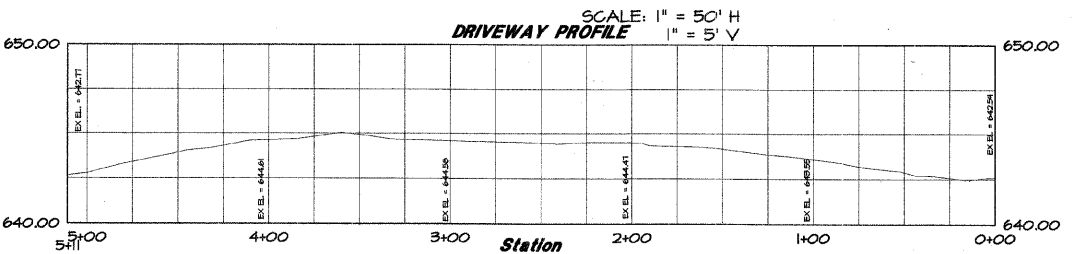
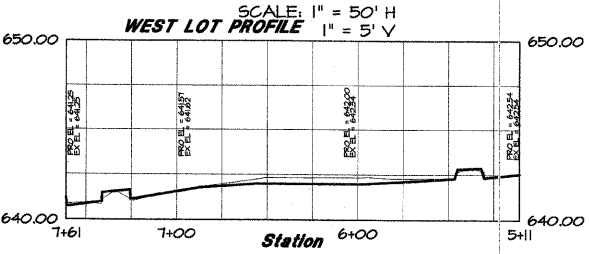
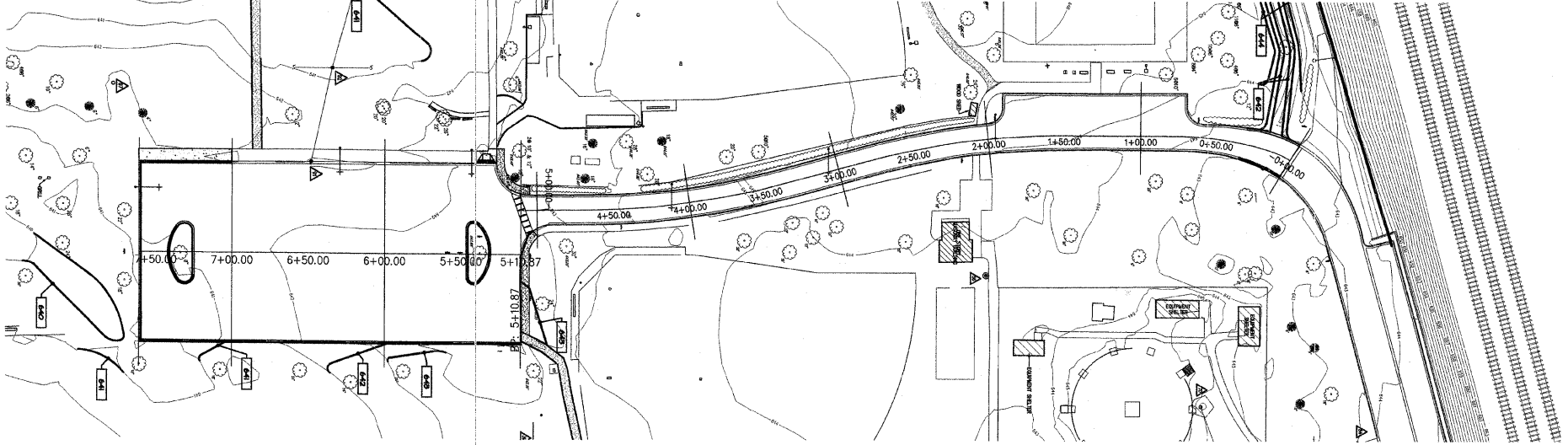
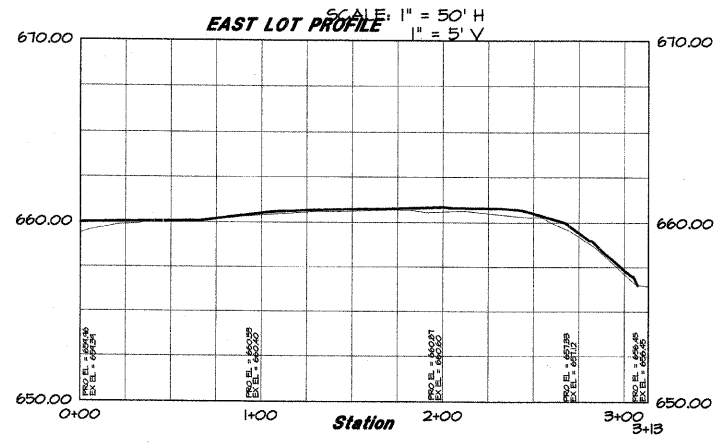
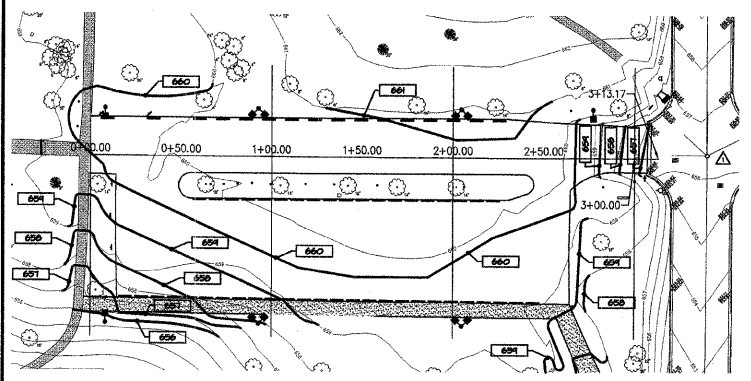
SPRING ROCK PARK  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

SITE DEVELOPMENT PLAN

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JFG
CHECK:	TOA
JOB:	CE06316
SHEET:	10 OF 26



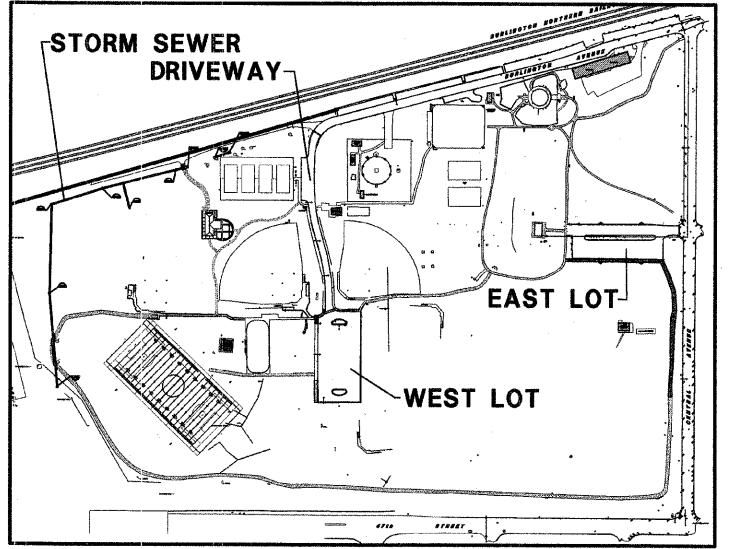
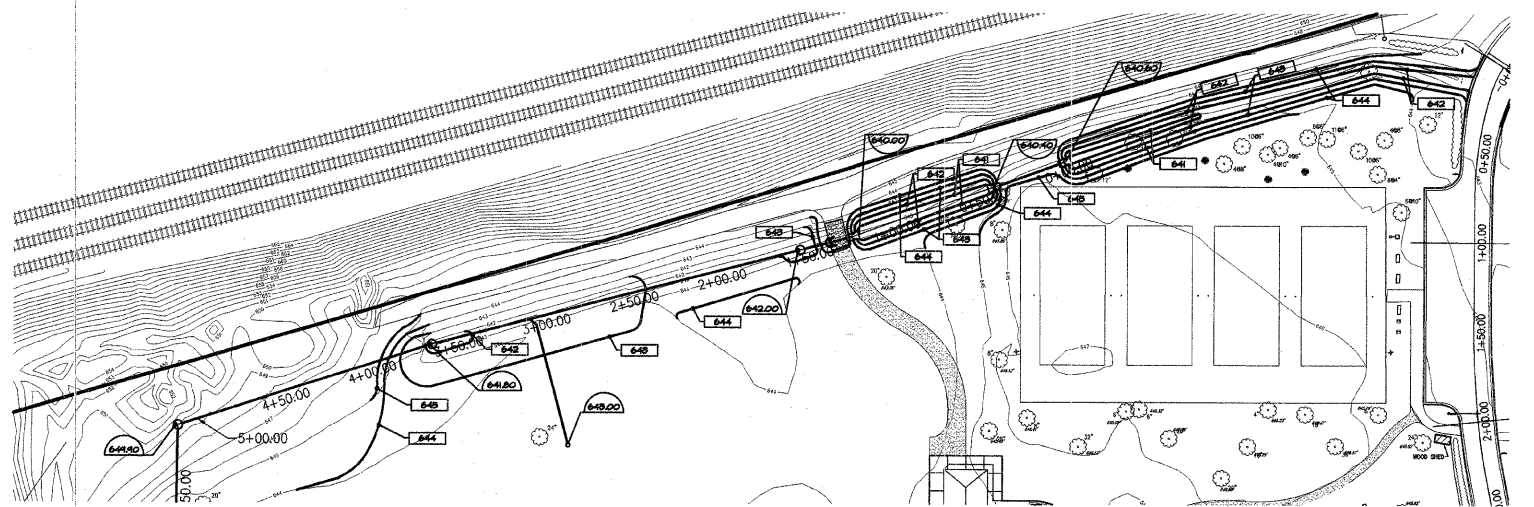
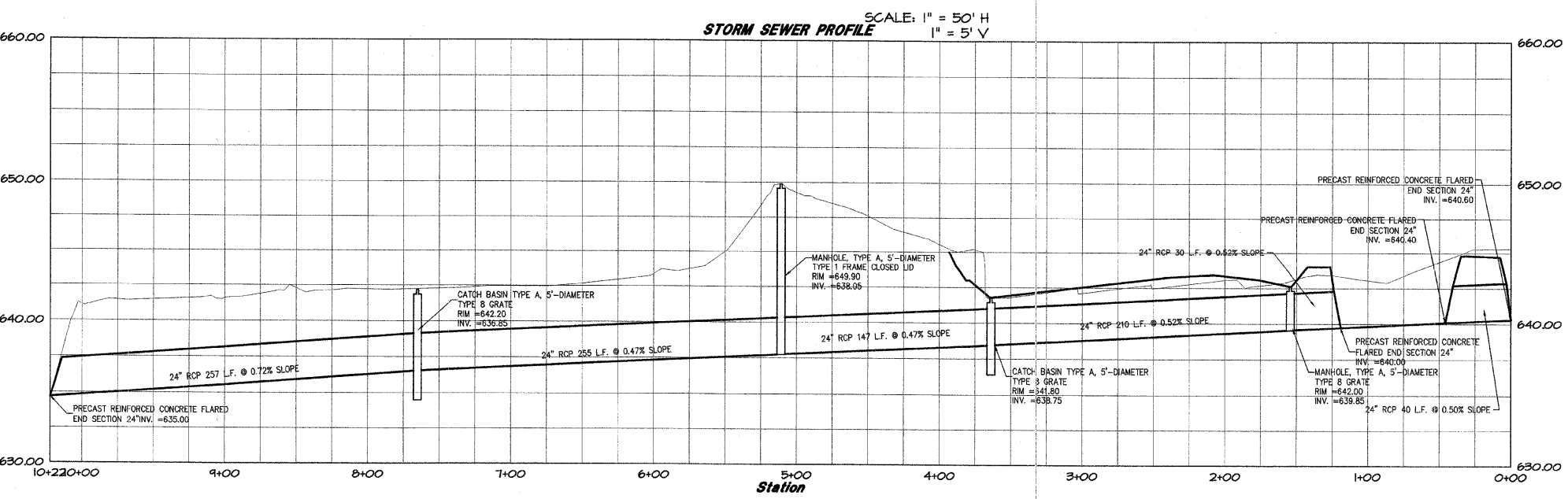
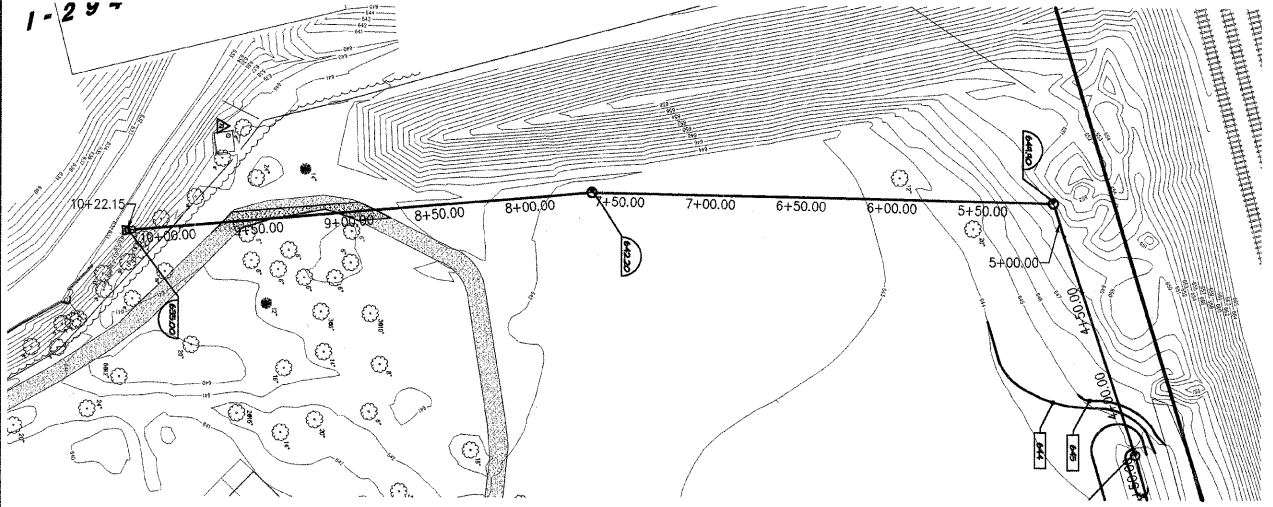
FIELD ENGINEER: MARILYN SOLOMON 847-705-4407



FA. RITE.	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

**GRADING LEGEND**

- EXISTING GRADE POINT
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED GRADE POINT
- PROPOSED RIM ELEVATION
- PROPOSED INVERT ELEVATION
- TC
- TP
- TS
- G
- TI
- TH
- TA
- BW
- FF
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING TREE
- PROPOSED INLET
- PROPOSED CATCH BASIN
- SIGN



KEY MAP  
SCALE: 1"=50'

DATE	BY
6-13-08 JFS	JFS
6-24-08 JFS	JFS
7-18-08 JFS	JFS
7-25-08 JFS	JFS

REVISIONS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS

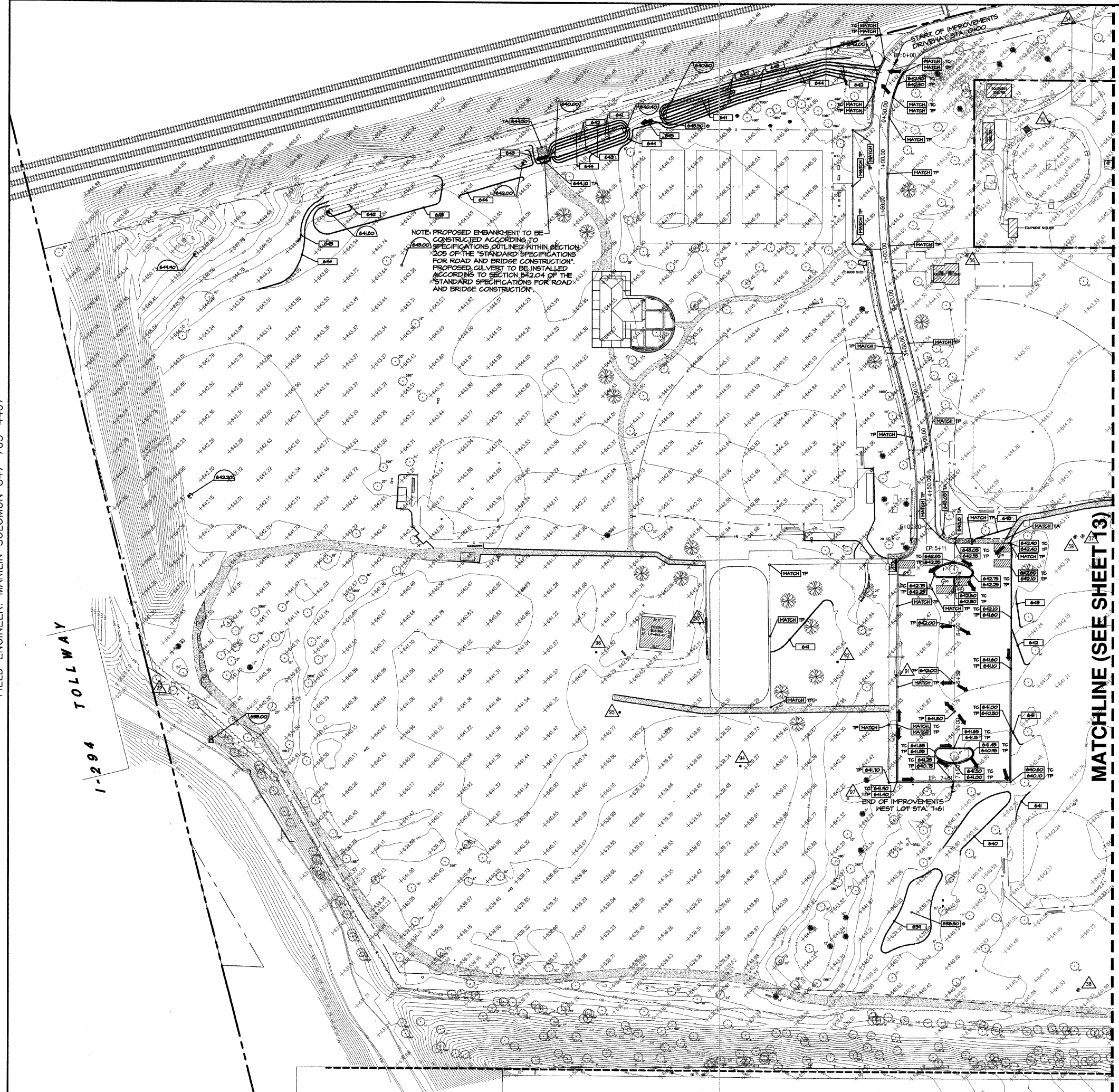
**W-T CIVIL ENGINEERING, LLC.**  
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**W-T**

**SPRING ROCK PARK**  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL

**PLAN AND PROFILE SHEET**

DATE: 05/23/08  
 SCALE: 1" = 50'  
 DRAWN: JFS  
 CHECK: TOA  
 JOB: CE06316  
 SHEET  
 11 OF 26



NOTE: PROPOSED EMBANKMENT TO BE CONSTRUCTED ACCORDING TO SPECIFICATIONS OUTLINED WITHIN SECTION 205 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. PROPOSED CURB TO BE INSTALLED ACCORDING TO SECTION B42.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

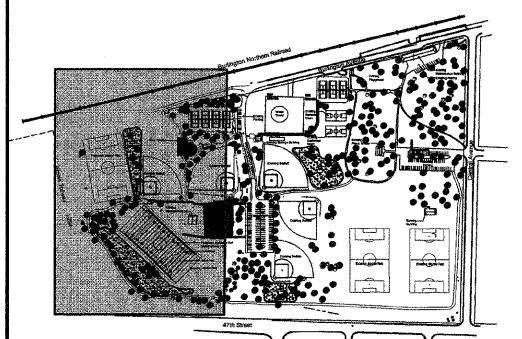
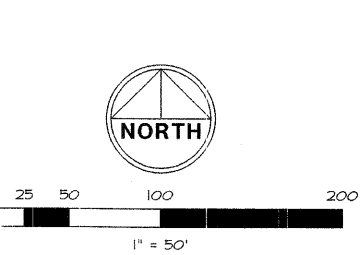
**GRADING LEGEND**

- EXISTING GRADE POINT
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED GRADE POINT
- PROPOSED RIM ELEVATION
- PROPOSED INVERT ELEVATION
- TC TOP OF CURB ELEVATION
- TP TOP OF PAVEMENT ELEVATION
- TS TOP OF SIDEWALK ELEVATION
- G GRADE ELEVATION
- TI TOP OF ISLAND ELEVATION
- TW TOP OF WALL ELEVATION
- TA TOP OF GRAVEL ELEVATION
- BW BOTTOM OF WALL ELEVATION
- FF FINISH FLOOR ELEVATION
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING TREE
- PROPOSED INLET
- PROPOSED CATCH BASIN
- SIGN
- OVERLAND FLOW ARROW

NOTE: 100 YEAR B.F.E. = 642.50

**EXISTING UTILITY DATA**

- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>1 RM=656.36' (SAN) 36" BRICK STRUCTURE INV=651.92(8" CLAY N, S, W, NE) INV=651.92(8" CLAY CAPPED NW)</li> <li>2 RM=650.52'(SAN) 36" BRICK STRUCTURE INV=646.34(8" CLAY N/S)</li> <li>3 RM=646.05'(SAN) 36" BRICK STRUCTURE INV=642.43(8" CLAY N) INV=642.43(10" CLAY S)</li> <li>4 RM=644.83'(SAN) 36" CONCRETE STRUCTURE INV=641.98(10" CLAY S) INV=641.98(6" PVC C)</li> <li>5 RM=644.21'(STORM) 24" CONCRETE STRUCTURE INV=643.12(8" DI. SW)</li> <li>6 RM=643.87'(STORM) 24" CONCRETE STRUCTURE INV=642.07(8" DI. NE) INV=641.69(12" PVC SW)</li> <li>7 RM=642.05'(STORM) 24" CONCRETE STRUCTURE INV=639.75(12" PVC NE &amp; S)</li> <li>8 RM=646.30'(SAN) 48" CONCRETE STRUCTURE INV=641.68(10" PVC N/S)</li> <li>9 RM=646.55'(STORM) 48" CONCRETE STRUCTURE INV=641.32(12" RCP NE &amp; W) STRUCTURE FULL OF MUD POSSIBLY ABANDONED</li> <li>10 RM=639.89'(STORM) 24" CONCRETE STRUCTURE INV=638.18(8" PVC N &amp; SW) INV=638.29(8" DRAIN TILE NE)</li> <li>11 RM=639.15'(STORM) 24" CONCRETE STRUCTURE INV=637.23(8" PVC NE) INV=637.03(12" PVC WW)</li> <li>12 RM=646.58'(WATER) 36" CONCRETE STRUCTURE 640.99 AT TOP OF 8" N/S PIPE</li> <li>13 RM=646.82'(STORM) 3"x4" CONCRETE STRUCTURE INV=641.83(10" RCP W) INV=642.47(30" RCP E)</li> <li>14 RM=647.83'(WATER) 48" CONCRETE STRUCTURE 642.03 AT TOP OF 10" E/W PIPE</li> <li>15 RM=646.91'(SAN) 48" BRICK STRUCTURE INV=639.73(24" RCP E/W) INV=639.73(12" CLAY N/S)</li> <li>16 RM=644.26'(STORM) 36" CONCRETE STRUCTURE INV=640.93(12" RCP NW)</li> <li>17 RM=643.69'(STORM) 48" CONCRETE STRUCTURE INV=639.96(12" RCP NW)</li> <li>18 RM=644.34'(STORM) 36" CONCRETE STRUCTURE INV=639.09(30" RCP E/W)</li> <li>19 RM=644.07'(STORM) 48" CONCRETE STRUCTURE INV=638.23(12" RCP NW)</li> <li>20 RM=645.09'(STORM) 36" CONCRETE STRUCTURE INV=635.18(30" RCP SW/E) INV=635.74(8" PVC NE)</li> </ul> | <ul style="list-style-type: none"> <li>21 RM=645.37'(WATER) 48" CONCRETE STRUCTURE 639.88' AT TOP OF 8" N/S PIPE 639.82' AT TOP OF 8" E/W PIPE</li> <li>22 RM=644.82'(STORM) FULL OF DEBRIS</li> <li>23 RM=645.68'(SAN) 7"x7" CONCRETE STRUCTURE INV=637.93(36" CLAY N &amp; W) INV=639.88(24" CLAY S) INV=637.93(18" CLAY SE)</li> <li>24 RM=645.16'(STORM) 36" CONCRETE STRUCTURE INV=641.98(10" CLAY S) INV=641.98(6" PVC C)</li> <li>25 RM=644.16'(STORM) 24" CONCRETE STRUCTURE INV=643.12(8" DI. SW)</li> <li>26 RM=645.08'(WATER) 48" CONCRETE STRUCTURE 637.45' AT TOP OF 8" N/S PIPE</li> <li>27 RM=645.17'(STORM) 5"x7" STRUCTURE INV=638.27(24" RCP E &amp; W)</li> <li>28 RM=643.93'(STORM) 48" CONCRETE STRUCTURE INV=638.44(12" RCP E/W)</li> <li>29 RM=643.99'(SAN) 24" CONCRETE STRUCTURE INV=639.25(24" RCP E/W)</li> <li>30 RM=643.39'(STORM) 48" CONCRETE STRUCTURE INV=639.99(12" RCP W) INV=640.05(10" RCP E)</li> <li>31 RM=644.08'(STORM) FULL OF DEBRIS</li> <li>32 RM=642.28'(STORM) 1"x1" STRUCTURE INV=641.65(4" DRAIN TILE N/S)</li> <li>33 RM=641.02'(STORM) 24" CONCRETE STRUCTURE INV=635.97(12" PVC SE) INV=633.97(10" PVC NE) INV=633.91(8" PVC SW)</li> <li>34 RM=638.34'(STORM) 48" CONCRETE STRUCTURE INV=638.54(10" PVC SW) INV=636.57(8" PVC W) INV=636.89(14" DRAIN TILE NW/NE/E)</li> <li>35 RM=638.34'(STORM) 48" CONCRETE STRUCTURE INV=637.40(8" PVC E)</li> <li>36 RM=643.47'(WATER) 60" CONCRETE STRUCTURE 636.39' AT TOP OF 15" N/S PIPE 637.75' AT TOP OF 6" W PIPE</li> </ul> | <ul style="list-style-type: none"> <li>20 RM=642.83'(STORM) 24" CONCRETE STRUCTURE INV=641.72(8" PVC NE)</li> <li>21 RM=642.81'(STORM) INV=641.31(8" CMP S) INV=641.41(8" PVC W) INV=641.87(4" CLAY E) INV=641.81(2" PVC SW)</li> <li>22 RM=645.41'(STORM) LARGE STRUCTURE/VAULT INV=633.21(36" RCP W) UNABLE TO SEE ANOTHER PIPE DUE TO STRUCTURE SIZE</li> <li>23 RM=644.35'(SAN) 48" BRICK STRUCTURE INV=639.43(8" CLAY N &amp; S)</li> <li>24 RM=640.92'(STORM) INV=639.45(8" PVC W)</li> <li>25 RM=640.61'(STORM) INV=639.06(8" PVC NW) INV=639.06(8" PVC SE) INV=639.36(4" PVC N/S)</li> <li>26 RM=640.80'(STORM) INV=639.35(8" PVC N/S) FULL OF DEBRIS</li> <li>27 RM=638.93'(STORM) INV=638.93(8" PVC NW) INV=638.99(8" PVC SE)</li> <li>28 RM=640.15'(STORM) INV=637.12(8" PVC NW/E/SE)</li> <li>29 RM=641.49'(STORM) INV=638.38(4" PVC NW/NE) INV=637.45(8" PVC S/W) INV=637.33(8" PVC E)</li> <li>30 RM=641.81'(STORM) FULL OF WATER</li> <li>31 RM=642.43'(STORM) FULL OF DEBRIS</li> <li>32 RM=651.35'(STORM) INV=642.56(24" RCP SW) INV=639.10(24" RCP E)</li> <li>33 RM=646.56'(STORM) INV=640.78(36" RCP E) INV=639.63(24" RCP W)</li> </ul> |
|---|---|--|



KEY MAP  
SPRING ROCK PARK

DATE	BY	REVISIONS
6-15-08	JPG	PER IDOT COMMENTS
6-24-08	JPG	PER IDOT COMMENTS
7-16-08	JPG	PER IDOT COMMENTS
7-25-08	JPG	PER IDOT COMMENTS

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 www.wteengineering.com  
 IL License No.: 184-003492 Exp: 04/30/09

**W-T**

**SPRING ROCK PARK**  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL

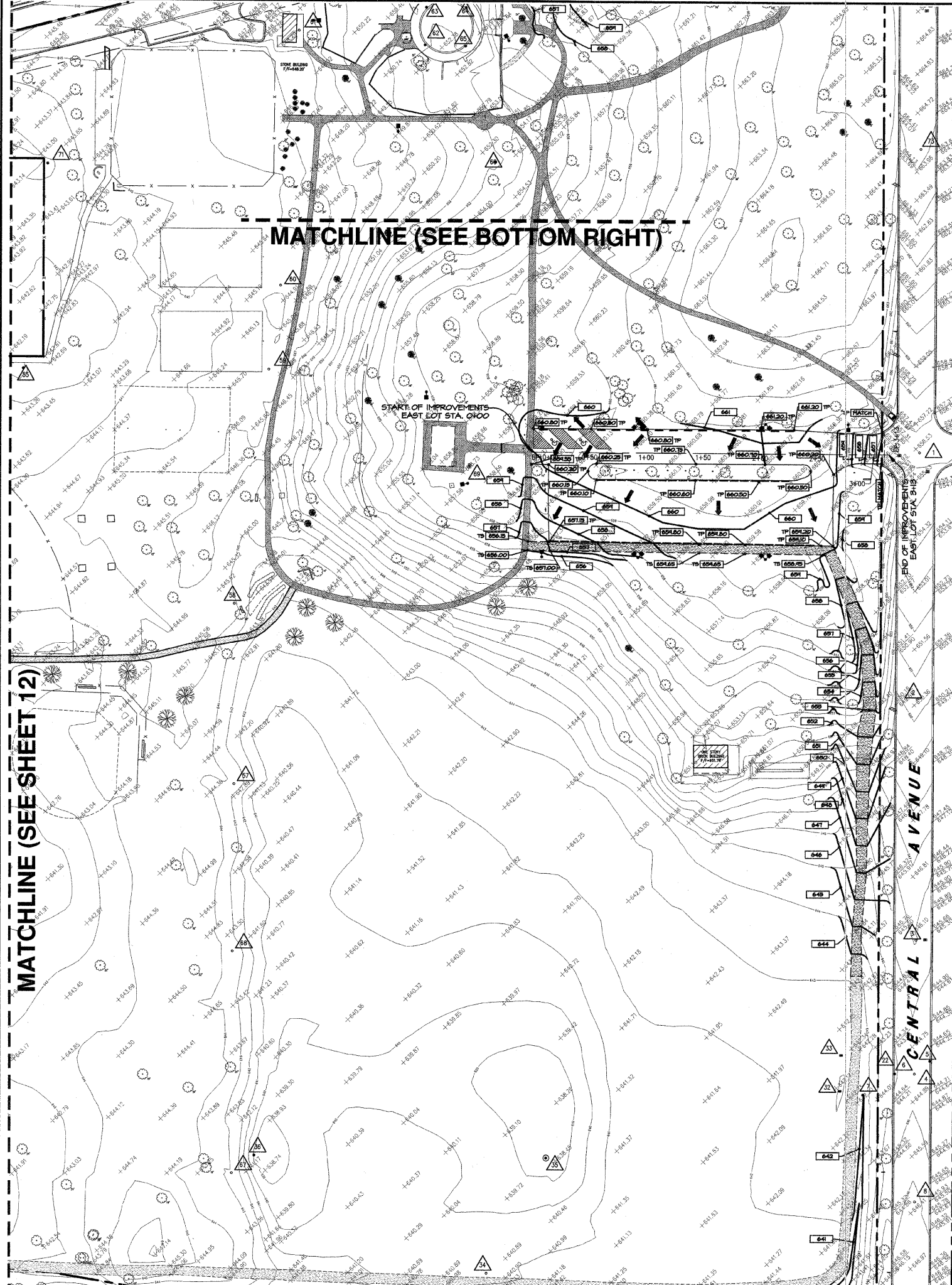
  

**SITE GRADING PLAN**

DATE: 05/23/08  
 SCALE: 1" = 50'  
 DRAWN: JPG  
 CHECK: TOA  
 JOB: CE06316  
 SHEET: 12 OF 26





MATCHLINE (SEE SHEET 12)

MATCHLINE (SEE BOTTOM RIGHT)

### GRADING LEGEND

	EXISTING GRADE POINT
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	PROPOSED GRADE POINT
	PROPOSED RIM ELEVATION
	PROPOSED INVERT ELEVATION
TC	TOP OF CURB ELEVATION
TP	TOP OF PAVEMENT ELEVATION
TS	TOP OF SIDEWALK ELEVATION
G	GRADE ELEVATION
TI	TOP OF ISLAND ELEVATION
TA	TOP OF WALL ELEVATION
BN	TOP OF GRAVEL ELEVATION
BF	BOTTOM OF WALL ELEVATION
FF	FINISH FLOOR ELEVATION
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	EXISTING CURB INLET
	EXISTING TREE
	PROPOSED INLET
	PROPOSED CATCH BASIN
	SIGN
	OVERLAND FLOW ARROW

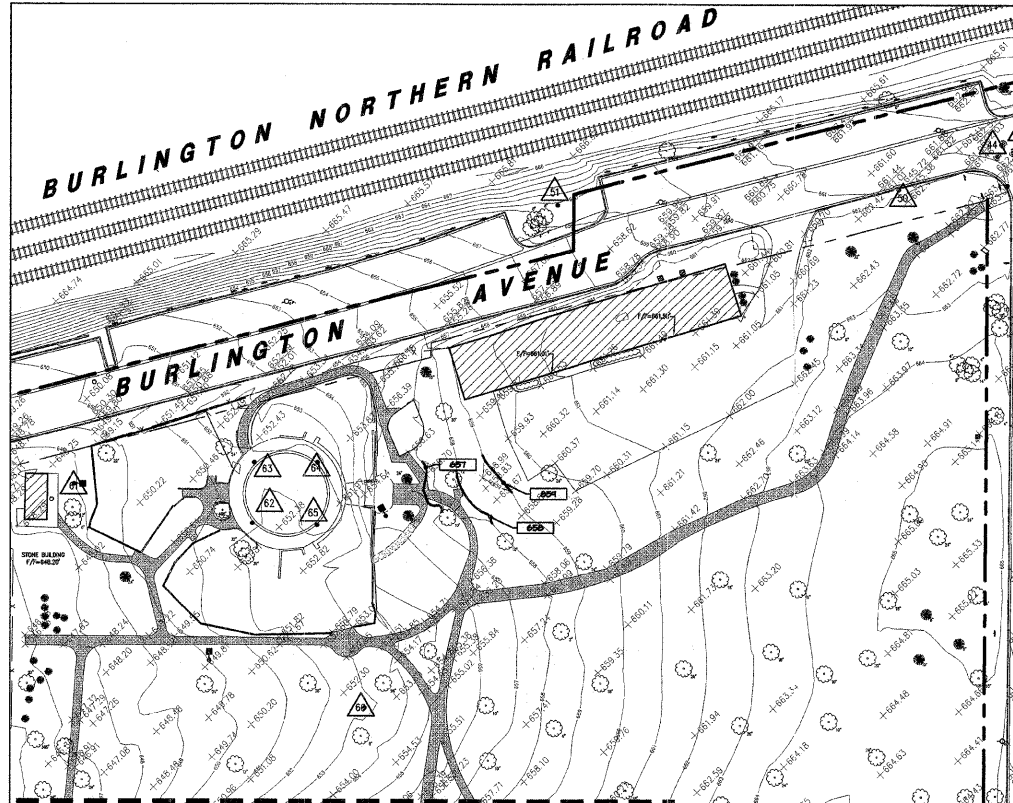
NOTE: 100 YEAR B.F.E. = 642.50

### EXISTING UTILITY DATA

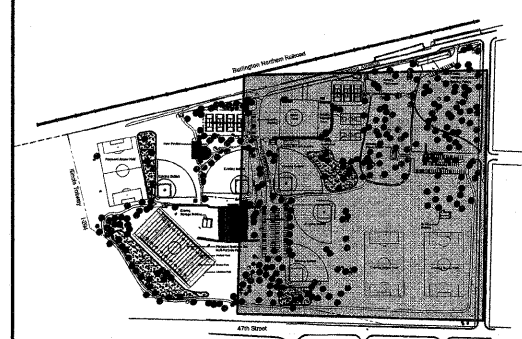
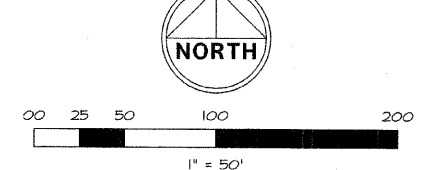
FA RITE	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63000

<p>△ RM=636.30'(SAN) 36" BRICK STRUCTURE INV=651.92'(8" CLAY N, S, W, NE) INV=646.34'(8" CLAY N/S)</p> <p>△ RM=650.52'(SAN) 36" BRICK STRUCTURE INV=646.43'(8" CLAY N/S)</p> <p>△ RM=644.05'(SAN) 36" BRICK STRUCTURE INV=644.83'(8" CLAY N/S)</p> <p>△ RM=644.83'(SAN) 36" BRICK STRUCTURE INV=644.83'(8" CLAY N/S)</p> <p>△ RM=644.34'(SAN) 36" BRICK STRUCTURE INV=644.34'(8" CLAY N/S)</p> <p>△ RM=644.21'(STORM) 24" CONCRETE STRUCTURE INV=643.12'(8" DI WSW)</p> <p>△ RM=643.97'(STORM) 24" CONCRETE STRUCTURE INV=642.07'(8" DI NE)</p> <p>△ RM=643.87'(STORM) 24" CONCRETE STRUCTURE INV=641.86'(8" DI SW)</p> <p>△ RM=642.05'(STORM) 24" CONCRETE STRUCTURE INV=641.86'(8" DI SW)</p> <p>△ RM=646.30'(SAN) 48" CONCRETE STRUCTURE INV=641.86'(8" DI SW)</p> <p>△ RM=636.15'(STORM) 24" CONCRETE STRUCTURE INV=637.13'(8" DI NE)</p> <p>△ RM=646.50'(WATER) 36" CONCRETE STRUCTURE 640.99' AT TOP OF 8" N/S PIPE</p> <p>△ RM=646.82'(STORM) 3x4" CONCRETE STRUCTURE INV=642.47'(30" RCP E)</p>	<p>△ RM=647.83'(WATER) 48" CONCRETE STRUCTURE 642.03' AT TOP OF 10" E/W PIPE</p> <p>△ RM=646.91'(SAN) 48" CONCRETE STRUCTURE INV=639.73'(24" RCP E/W) INV=640.71'(12" CLAY N)</p> <p>△ RM=644.28'(STORM) 36" CONCRETE STRUCTURE INV=640.93'(12" RCP NW)</p> <p>△ RM=643.62'(STORM) 36" CONCRETE STRUCTURE INV=639.98'(12" RCP NW)</p> <p>△ RM=644.34'(STORM) 36" CONCRETE STRUCTURE INV=639.09'(30" RCP E/W)</p> <p>△ RM=644.07'(STORM) 48" CONCRETE STRUCTURE INV=639.23'(12" RCP NW)</p> <p>△ RM=645.05'(STORM) 36" CONCRETE STRUCTURE INV=639.19'(30" RCP SW/E) INV=635.74'(8" PVC NE)</p> <p>△ RM=646.37'(WATER) 48" CONCRETE STRUCTURE 639.88' AT TOP OF 8" N/S PIPE 639.82' AT TOP OF 8" E/W PIPE</p> <p>△ RM=646.68'(SAN) 48" CONCRETE STRUCTURE INV=641.86'(8" DI SW)</p> <p>△ RM=645.68'(SAN) 7x7" CONCRETE STRUCTURE INV=639.68'(24" CLAY S) INV=637.93'(18" CLAY SE)</p> <p>△ RM=645.16'(STORM) 24" CONCRETE STRUCTURE INV=638.16'(8" PVC N &amp; SW) INV=638.29'(8" DRAIN TILE NE)</p> <p>△ RM=645.81'(STORM) 36" CONCRETE STRUCTURE INV=637.87'(12" RCP NE)</p> <p>△ RM=645.09'(WATER) 36" CONCRETE STRUCTURE INV=637.87'(12" RCP NE)</p> <p>△ RM=645.17'(STORM) 5x5" STRUCTURE INV=638.27'(24" RCP E &amp; SW)</p>	<p>△ RM=643.93'(STORM) 48" CONCRETE STRUCTURE INV=638.44'(12" RCP E/W)</p> <p>△ RM=643.99'(SAN) 24" CONCRETE STRUCTURE INV=639.25'(24" RCP E/W)</p> <p>△ RM=643.79'(STORM) 48" CONCRETE STRUCTURE INV=639.99'(12" RCP W) INV=640.05'(10" RCP E)</p> <p>△ RM=644.06'(STORM) 36" BRICK STRUCTURE FULL OF DEBRIS</p> <p>△ RM=641.88'(DRAIN) 36" BRICK STRUCTURE FULL OF DEBRIS</p> <p>△ RM=645.38'(SAN) 36" BRICK STRUCTURE INV=639.95'(36" BRICK FORMED)</p> <p>△ RM=645.15'(SAN) 36" BRICK STRUCTURE INV=639.95'(36" BRICK FORMED)</p> <p>△ RM=641.65'(4" DRAIN TILE N/S)</p> <p>△ RM=641.02'(STORM) 24" CONCRETE STRUCTURE INV=635.97'(12" PVC SE) INV=635.97'(12" PVC SW) INV=635.91'(8" PVC SW)</p> <p>△ RM=638.34'(STORM) 48" CONCRETE STRUCTURE INV=636.54'(10" PVC SW) INV=636.57'(8" PVC W) INV=636.99'(4" DRAIN TILE NW/NE/E)</p> <p>△ RM=638.75'(STORM) 24" CONCRETE STRUCTURE INV=637.40'(8" PVC E)</p> <p>△ RM=643.47'(WATER) 90" CONCRETE STRUCTURE 635.70' AT TOP OF 15" N/S PIPE 637.75' AT TOP OF 6" W PIPE</p> <p>△ RM=641.75'(STORM) 48" CONCRETE STRUCTURE 635.70' AT TOP OF 15" N/S PIPE 637.75' AT TOP OF 6" W PIPE</p> <p>△ RM=642.67'(SAN) 36" BRICK STRUCTURE INV=637.72'(36" BRICK FORMED N/S) STRUCTURE FULL OF DEBRIS</p> <p>△ RM=643.93'(SAN) 36" BRICK STRUCTURE INV=638.53'(36" BRICK FORMED N/S)</p> <p>△ RM=658.59'(WATER) FULL OF DEBRIS</p> <p>△ RM=642.83'(STORM) 48" CONCRETE STRUCTURE INV=639.43'(8" PVC SE) INV=639.83'(8" PVC SE)</p> <p>△ RM=642.67'(WATER) 48" CONCRETE STRUCTURE 658.87' AT TOP OF 10" NE/SW PIPE</p> <p>△ RM=642.23'(WATER) 48" CONCRETE STRUCTURE 657.19' AT TOP OF 12" E/W PIPE</p> <p>△ RM=642.28'(WATER) 48" CONCRETE STRUCTURE 657.25' AT TOP OF 12" N/S PIPE</p> <p>△ RM=642.09'(WATER) 48" CONCRETE STRUCTURE 657.25' AT TOP OF 12" E/W PIPE</p> <p>△ RM=641.95'(STORM) 24" CONCRETE STRUCTURE INV=640.92'(8" PVC NE)</p> <p>△ RM=640.81'(WATER) 48" CONCRETE STRUCTURE INV=639.06'(8" PVC NW) 657.46' AT TOP OF 10" N/S PIPE</p> <p>△ RM=642.85'(SAN) 48" BRICK STRUCTURE INV=639.06'(8" PVC NW) INV=639.36'(4" PVC N/S)</p> <p>△ RM=642.85'(SAN) 48" BRICK STRUCTURE INV=639.06'(8" PVC NW) INV=639.36'(4" PVC N/S)</p> <p>△ RM=641.81'(STORM) 48" CONCRETE STRUCTURE INV=640.80'(8" PVC NW) INV=640.52'(8" PVC NW)</p> <p>△ RM=642.81'(WATER) 48" CONCRETE STRUCTURE 657.16' AT TOP OF 12" E/W PIPE</p> <p>△ RM=642.21'(ELECTRIC) FULL OF WATER POSSIBLY ABANDONED</p> <p>△ RM=658.75'(STORM) 48" CONCRETE STRUCTURE INV=655.55'(8" PVC SW) INV=655.55'(10" PVC E)</p> <p>△ RM=651.37'(SAN) 36" BRICK STRUCTURE INV=642.56'(24" RCP SW) INV=647.78'(8" PVC NE) POSSIBLE DRAIN</p> <p>△ RM=646.58'(STORM) 36" CONCRETE STRUCTURE INV=640.78'(36" RCP E) INV=639.83'(24" RCP W)</p>	<p>△ RM=641.43'(STORM) 24" CONCRETE STRUCTURE INV=641.07'(8" CIP N/E)</p> <p>△ RM=641.46'(WATER) POSSIBLE C/W PIPE FULL OF DEBRIS</p> <p>△ RM=643.75'(SAN) 36" BRICK STRUCTURE INV=638.80'(36" BRICK FORMED) INV=638.65'(8" CLAY W)</p> <p>△ RM=645.10'(SAN) 36" BRICK STRUCTURE INV=639.35'(36" BRICK FORMED)</p> <p>△ RM=645.38'(SAN) 36" BRICK STRUCTURE INV=639.95'(36" BRICK FORMED)</p> <p>△ RM=645.15'(SAN) 36" BRICK STRUCTURE INV=639.95'(36" BRICK FORMED)</p> <p>△ RM=646.30'(SAN) 36" CONCRETE STRUCTURE INV=645.39'(8" CLAY E/W) INV=635.91'(8" PVC SW)</p> <p>△ RM=651.77'(STORM) FULL OF DEBRIS</p> <p>△ RM=651.81'(STORM) FULL OF DEBRIS</p> <p>△ RM=651.74'(STORM) FULL OF DEBRIS</p> <p>△ RM=652.65'(STORM) 12" CONCRETE STRUCTURE INV=641.73'(8" PVC NE)</p> <p>△ RM=642.67'(SAN) 36" BRICK STRUCTURE INV=637.72'(36" BRICK FORMED N/S) STRUCTURE FULL OF DEBRIS</p> <p>△ RM=643.93'(SAN) 36" BRICK STRUCTURE INV=638.53'(36" BRICK FORMED N/S)</p> <p>△ RM=658.59'(WATER) FULL OF DEBRIS</p> <p>△ RM=642.83'(STORM) 48" CONCRETE STRUCTURE INV=639.43'(8" PVC SE) INV=641.73'(8" PVC NE)</p> <p>△ RM=645.41'(STORM) 24" CONCRETE STRUCTURE INV=633.21'(36" RCP N/S) UNABLE TO SEE ANY OTHER PIPE DUE TO STRUCTURE SIZE</p> <p>△ RM=644.92'(STORM) 48" BRICK STRUCTURE INV=659.43'(8" CLAY N &amp; S)</p> <p>△ RM=640.92'(STORM) 24" CONCRETE STRUCTURE INV=639.43'(8" PVC W)</p> <p>△ RM=640.81'(STORM) 48" CONCRETE STRUCTURE INV=639.06'(8" PVC NW) 657.46' AT TOP OF 10" N/S PIPE</p> <p>△ RM=640.80'(STORM) 48" CONCRETE STRUCTURE INV=639.06'(8" PVC NW) INV=639.36'(4" PVC N/S)</p> <p>△ RM=638.93'(STORM) 24" CONCRETE STRUCTURE INV=640.80'(8" PVC NW) INV=639.36'(4" PVC N/S)</p> <p>△ RM=640.15'(STORM) 48" CONCRETE STRUCTURE 657.16' AT TOP OF 12" E/W PIPE</p> <p>△ RM=641.49'(STORM) 48" CONCRETE STRUCTURE INV=638.38'(14" PVC NW/NE) INV=637.45'(8" PVC S/W) INV=637.33'(8" PVC E)</p> <p>△ RM=641.81'(STORM) 48" CONCRETE STRUCTURE FULL OF WATER</p> <p>△ RM=642.43'(STORM) FULL OF DEBRIS</p> <p>△ RM=651.35'(STORM) 36" BRICK STRUCTURE INV=642.56'(24" RCP SW) INV=639.10'(24" RCP E)</p> <p>△ RM=646.58'(STORM) 36" CONCRETE STRUCTURE INV=640.78'(36" RCP E) INV=639.83'(24" RCP W)</p>
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MATCHLINE (SEE TOP LEFT)



KEY MAP  
SPRING ROCK PARK

DATE: 05/23/08	BY: JPS
SCALE: 1" = 50'	DATE: 6-24-08
DRAWN: JPS	DATE: 7-18-08
CHECK: TOA	DATE: 7-25-08
JOB: GE06316	
SHEET: 13 OF 26	

REVISIONS

NO.	DATE	DESCRIPTION
1		PER IDOT COMMENTS
2		PER IDOT COMMENTS
3		PER IDOT COMMENTS

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www.wtengineering.com

IL License No.: 184-003492 Exp. 04/30/09

**W-T**

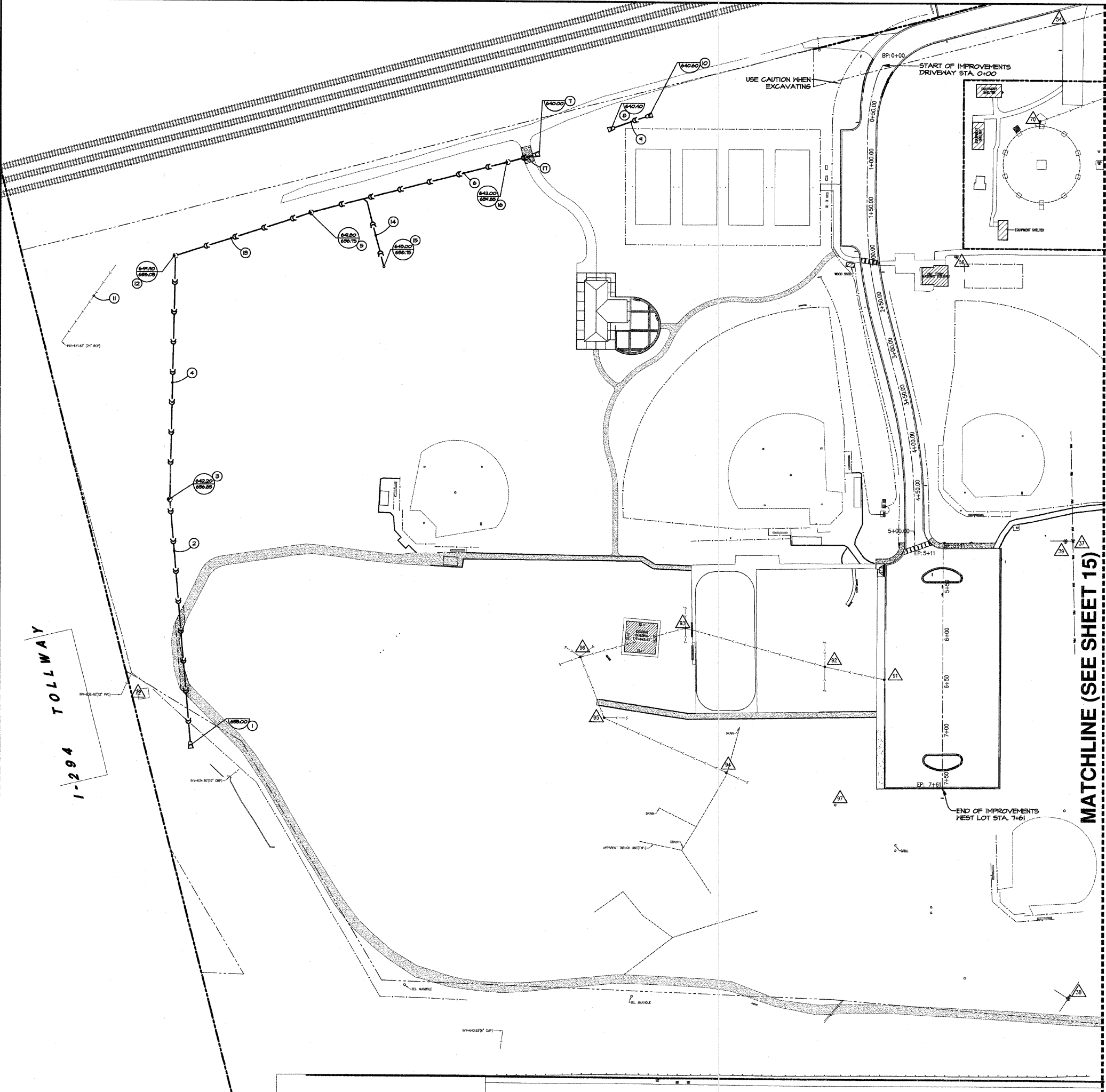
SPRING ROCK PARK  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

SITE GRADING PLAN



FIELD ENGINEER: MARLIN SOLOMON 847-705-4407

1-294 TOLLWAY



UTILITY LEGEND

- EXISTING STORM SEWER
PROPOSED STORM SEWER
EXISTING SANITARY SEWER
PROPOSED SANITARY SEWER
EXISTING COMBINATION SEWER
PROPOSED COMBINATION SEWER
EXISTING WATER MAIN
PROPOSED WATER MAIN
EXISTING WATER SERVICE
PROPOSED WATER SERVICE
EXISTING ELECTRIC SERVICE
PROPOSED ELECTRIC SERVICE
EXISTING GAS SERVICE
PROPOSED GAS SERVICE
EXISTING TELEPHONE SERVICE
PROPOSED TELEPHONE SERVICE
EXISTING MANHOLE
PROPOSED MANHOLE
EXISTING CATCH BASIN
PROPOSED CATCH BASIN
EXISTING INLET (CURB)
PROPOSED INLET
EXISTING WATER VAULT W/ VALVE
PROPOSED WATER VAULT W/ VALVE
EXISTING B-BOX
PROPOSED B-BOX
EXISTING FIRE HYDRANT
PROPOSED FIRE HYDRANT
PROPOSED AREA LIGHT
PROPOSED RIM ELEVATION
PROPOSED INVERT ELEVATION

MATCHLINE (SEE SHEET 15)

STORM SEWER

- 1. PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213664)
4 GRATING FOR CONCRETE FLARED END SECTION 24" (54241150)
2. STORM SEWER, CLASS A, TYPE I 24", 251 L.F. @ 0.12% SLOPE (550A0120)
CATCH BASIN, TYPE A, 5'-DIAMETER, TYPE B GRATE (60204505)
3. STORM SEWER, CLASS A, TYPE I 24", 255 L.F. @ 0.41% SLOPE (550A0120)
CATCH BASIN, TYPE A, 5'-DIAMETER, TYPE B GRATE (60204505)
4. STORM SEWER, CLASS A, TYPE I 24", 210 L.F. @ 0.52% SLOPE (550A0120)
5. PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213664)
4 GRATING FOR CONCRETE FLARED END SECTION 24" (54241150)
6. PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213664)
4 GRATING FOR CONCRETE FLARED END SECTION 24" (54241150)
7. STORM SEWER, CLASS A, TYPE I 24", 40 L.F. @ 0.50% SLOPE (550A0120)
8. PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213664)
4 GRATING FOR CONCRETE FLARED END SECTION 24" (54241150)
9. EXISTING STORM SEWER TO REMAIN.
CONTRACTOR TO CAP BOTH ENDS WITH CONCRETE.
10. MANHOLE, TYPE A, 5'-DIAMETER, TYPE I FRAME, CLOSED LID (60221100)
11. STORM SEWER, CLASS A, TYPE I 24", 147 L.F. @ 0.41% SLOPE (550A0120)
NEW 6" HD.P.E. UNDERDRAIN, 147 L.F. @ 0.41% SLOPE.
(TO BE PAID FOR AS (60108200))
12. MANHOLE, TYPE A, 5'-DIAMETER, TYPE B GRATE (60221100)
13. STORM SEWER, CLASS A, TYPE I 24", 147 L.F. @ 0.41% SLOPE (550A0120)
NEW 6" HD.P.E. UNDERDRAIN, 147 L.F. @ 0.41% SLOPE.
(TO BE PAID FOR AS (60108200))
14. STORM SEWER, CLASS A, TYPE I 24", 30 L.F. @ 0.52% SLOPE (550A0120)
15. STORM SEWER, CLASS A, TYPE I 24", 30 L.F. @ 0.52% SLOPE (550A0120)
16. MANHOLE, TYPE A, 5'-DIAMETER, TYPE B GRATE (60221100)
17. STORM SEWER, CLASS A, TYPE I 24", 30 L.F. @ 0.52% SLOPE (550A0120)
NOTE: CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES IN THE FIELD.

CONTRACTOR TO FIELD CHECK ALL EXISTING STRUCTURES AND PIPES TO VERIFY THERE ARE NO CONFLICTS WITH PROPOSED IMPROVEMENTS. IF CONFLICT EXISTS, CONTRACTOR TO CONTACT SITE ENGINEER IMMEDIATELY.
CONTRACTOR TO USE CAUTION WHEN EXCAVATING IN AREAS NEAR EXISTING UTILITIES.

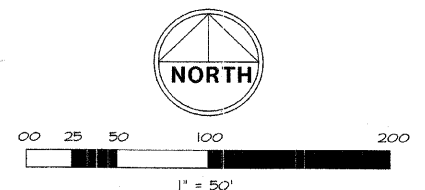


Table with columns: FA RITE, SECTION, COUNTY, FED. ROAD DIST. NO., ILLINOIS CONTRACT NO. 63060

EXISTING UTILITY DATA

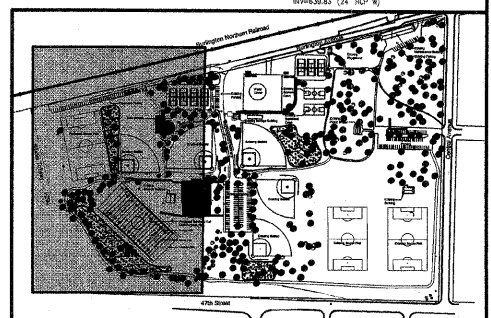
Table listing existing utility data with columns for structure type, size, material, and location. Includes entries like '36\"

Table with columns: DATE, BY, JFG, REVISIONS, PER IDOT COMMENTS. Includes dates 6-15-08, 6-24-08, 7-18-08, 7-25-08, 8-4-08.

W-T CIVIL ENGINEERING, LLC. CIVIL AND STRUCTURAL ENGINEERS. 2015 Pridem Avenue Hoffman Estates, Illinois 60132 PH: (224) 293-8333 FAX: (224) 293-6444 www.wtengineering.com I.L. License No.: 184-003492 Exp. 04/30/09

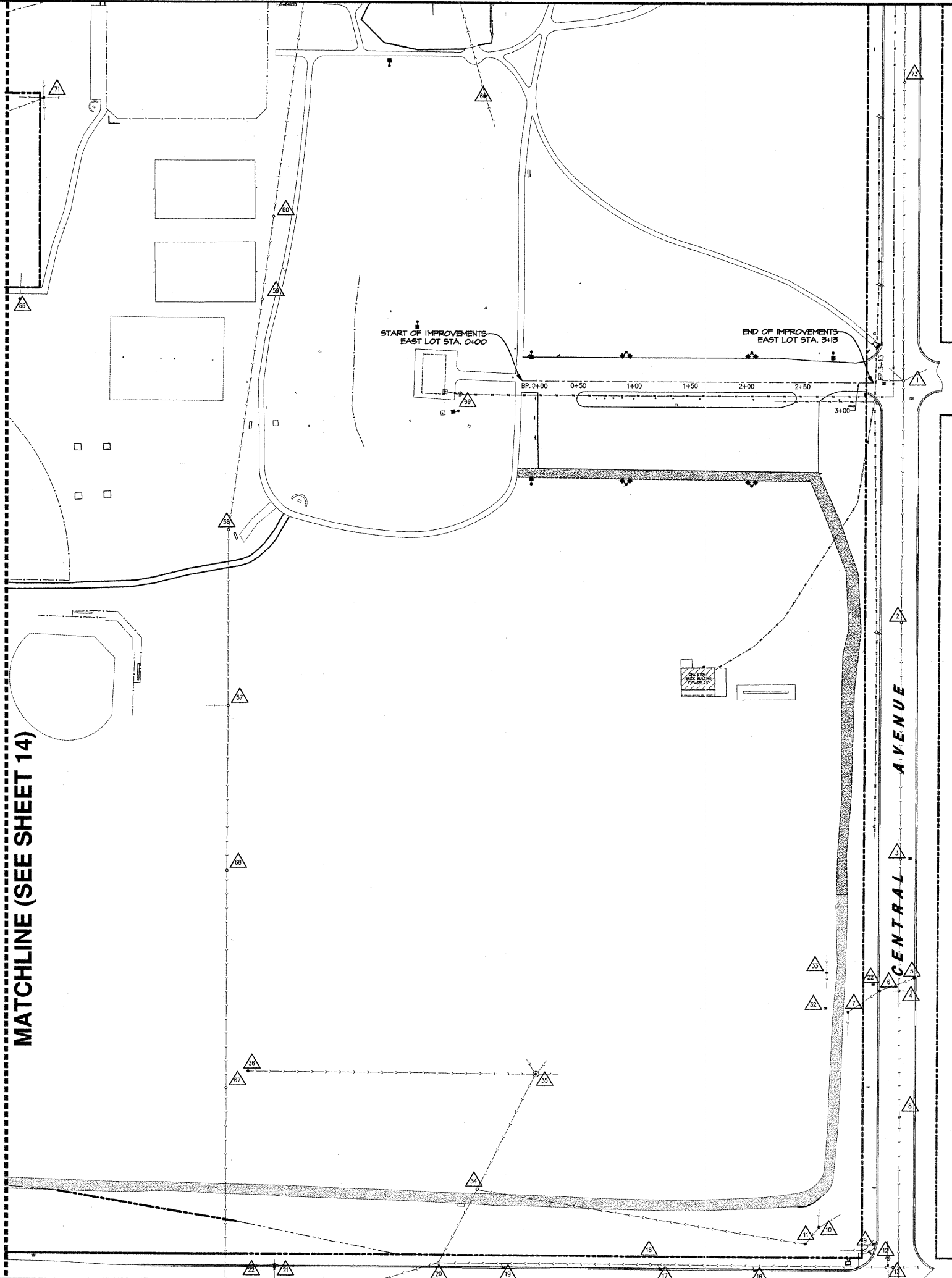
SPRING ROCK PARK CENTRAL AVE & 47TH ST WESTERN SPRINGS, IL

SITE UTILITY PLAN DATE: 05/23/08 SCALE: 1" = 50' DRAWN: JFG CHECK: TOA JOB: CE06316 SHEET 14 OF 26



KEY MAP 1" = 200' SPRING ROCK PARK

MATCHLINE (SEE SHEET 14)



UTILITY LEGEND

- EXISTING STORM SEWER
PROPOSED STORM SEWER
EXISTING SANITARY SEWER
PROPOSED SANITARY SEWER
EXISTING COMBINATION SEWER
PROPOSED COMBINATION SEWER
EXISTING WATER MAIN
PROPOSED WATER MAIN
EXISTING WATER SERVICE
PROPOSED WATER SERVICE
EXISTING ELECTRIC SERVICE
PROPOSED ELECTRIC SERVICE
EXISTING GAS SERVICE
PROPOSED GAS SERVICE
EXISTING TELEPHONE SERVICE
PROPOSED TELEPHONE SERVICE
EXISTING MANHOLE
PROPOSED MANHOLE
EXISTING CATCH BASIN
PROPOSED CATCH BASIN
EXISTING INLET (CURB)
PROPOSED INLET
EXISTING WATER VAULT W/ VALVE
PROPOSED WATER VAULT W/ VALVE
EXISTING B-BOX
PROPOSED B-BOX
EXISTING FIRE HYDRANT
PROPOSED FIRE HYDRANT
PROPOSED AREA LIGHT
PROPOSED RIM ELEVATION
PROPOSED INVERT ELEVATION

STORM SEWER

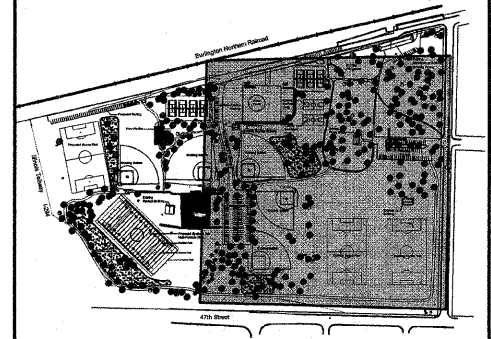
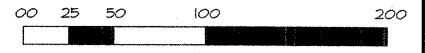
- 1. PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213664)
2. STORM SEWER, CLASS A, TYPE I 24", 251 L.F. @ 0.12% SLOPE (550A0120)
3. CATCH BASIN, TYPE A, 5'-DIAMETER, TYPE B GRATE (60204505)
4. STORM SEWER, CLASS A, TYPE I 24", 255 L.F. @ 0.41% SLOPE (550A0120)
5. CATCH BASIN, TYPE A, 5'-DIAMETER, TYPE B GRATE (60204505)
6. STORM SEWER, CLASS A, TYPE I 24", 210 L.F. @ 0.52% SLOPE (550A0120)
7. PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213664)
8. PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213664)
9. STORM SEWER, CLASS A, TYPE I 24", 40 L.F. @ 0.50% SLOPE (550A0120)
10. PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213664)
11. EXISTING STORM SEWER TO REMAIN. CONTRACTOR TO CAP BOTH ENDS WITH CONCRETE.
12. MANHOLE, TYPE A, 5'-DIAMETER, TYPE I FRAME, CLOSED LID (60221100)
13. STORM SEWER, CLASS A, TYPE I 24", 147 L.F. @ 0.47% SLOPE (550A0120)
14. NEW 6" HD.P.E. UNDERDRAIN, 147 L.F. @ 0.47% SLOPE. (TO BE PAID FOR AS 60108200)
15. NEW NDS SPEED-D BASIN PART NO. 101 WITH 8" ROUND GRATE PART NO. 10. (TO BE PAID FOR AS SOG #80)
16. MANHOLE, TYPE A, 5'-DIAMETER, TYPE B GRATE (60221100)
17. STORM SEWER, CLASS A, TYPE I 24", 30 L.F. @ 0.52% SLOPE (550A0120)

NOTE: CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES IN THE FIELD. CONTRACTOR TO FIELD CHECK ALL EXISTING STRUCTURES AND PIPES TO VERIFY THERE ARE NO CONFLICTS WITH PROPOSED IMPROVEMENTS. IF CONFLICT EXISTS, CONTRACTOR TO CONTACT SITE ENGINEER IMMEDIATELY.

CONTRACTOR TO USE CAUTION WHEN EXCAVATING IN AREAS NEAR EXISTING UTILITIES.

EXISTING UTILITY DATA

Table with columns: FA. RTE., SECTION, COUNTY, FED. ROAD DIST. NO., ILLINOIS, CONTRACT NO. 63060. Lists various utility structures and their details.



KEY MAP SPRING ROCK PARK 1" = 200'

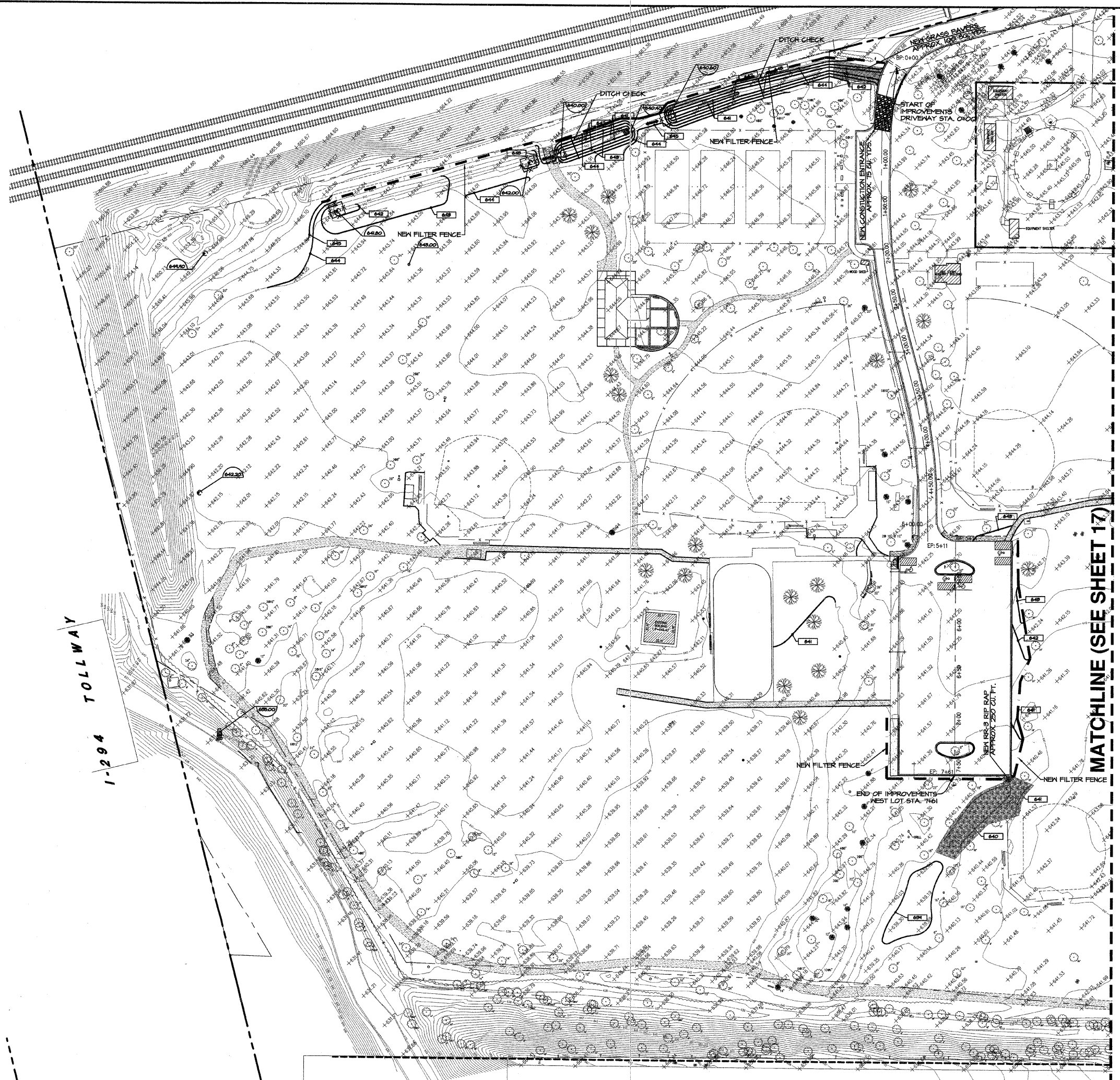
Table with columns: DATE, REVISIONS, PER IDOT COMMENTS. Lists revision dates and descriptions.

W-T CIVIL ENGINEERING, LLC. CIVIL AND STRUCTURAL ENGINEERS. 307E Pishkin Avenue Hoffman Estates, Illinois 60132. PH: (224) 293-6333 FAX: (224) 293-6444 www.wtengineering.com I.L. License No.: 184-003492 Exp: 04/30/09

SPRING ROCK PARK CENTRAL AVE & 47TH ST WESTERN SPRINGS, IL

SITE UTILITY PLAN DATE: 05/23/08 SCALE: 1" = 50' DRAWN: JFG CHECK: TOA JOB: CE06316 SHEET 15 OF 26

FIELD ENGINEER: MARLIN SOLOMON 847-705-4407



**GRADING LEGEND**

- EXISTING GRADE POINT
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED GRADE POINT
- PROPOSED RIM ELEVATION
- PROPOSED INVERT ELEVATION
- TSW** TOP OF SIDEWALK
- TC** TOP OF CURB ELEVATION
- TP** TOP OF PAVEMENT ELEVATION
- TS** TOP OF SIDEWALK ELEVATION
- G** GRADE ELEVATION
- TI** TOP OF ISLAND ELEVATION
- TN** TOP OF WALL ELEVATION
- TA** TOP OF GRAVEL ELEVATION
- BN** BOTTOM OF WALL ELEVATION
- FF** FINISH FLOOR ELEVATION
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING CURB INLET
- EXISTING TREE
- PROPOSED INLET
- PROPOSED CATCH BASIN
- SIGN
- OVERLAND FLOW ARROW
- SILT FENCE INLET PROTECTION
- SOIL EROSION CONTROL FILTER FENCE
- 100 YEAR OVERLAND FLOW ROUTE
- RIP RAP
- NORTH AMERICAN GREEN P550 PERMANENT TURF REINFORCEMENT MAT
- NEW GRASS PAVERS.

NOTE: TEMPORARY CONSTRUCTION ENTRANCE TO BE COMPLETELY REMOVED BEFORE CONSTRUCTION OF NEW PARKING LOT.  
FOR DISTURBED AREAS WITH EXPOSED DIRT, TEMPORARILY GRASS SEED IF LEFT OPEN FOR MORE THEN 14 DAYS.

FA RITE	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

REVISIONS	DATE	BY
PER IDOT COMMENTS	6-18-08	JFG
PER IDOT COMMENTS	6-24-08	JFG
PER IDOT COMMENTS	7-18-08	JFG
PER IDOT COMMENTS	7-25-08	JFG

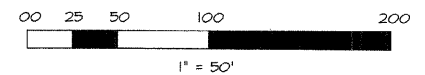
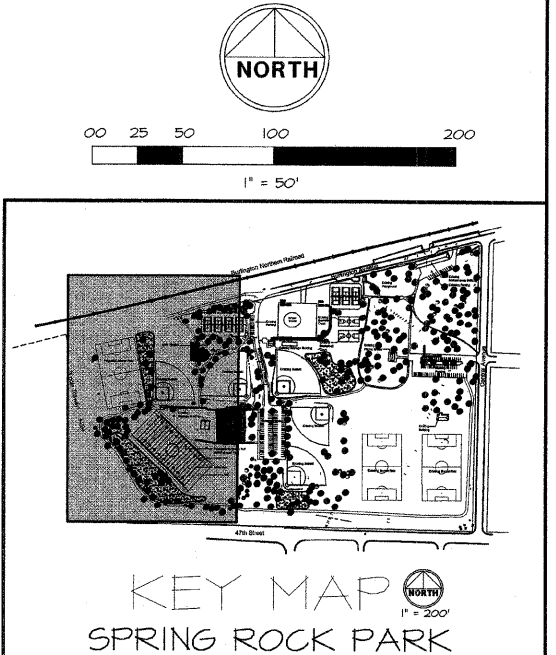
**W-T CIVIL ENGINEERING, LLC.**  
 CIVIL AND STRUCTURAL ENGINEERS  
 2875 Pratum Avenue  
 Hoffman Estates, Illinois 60132-6444  
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 www.wtengineering.com  
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**SPRING ROCK PARK**  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL

**SOIL EROSION CONTROL PLAN**

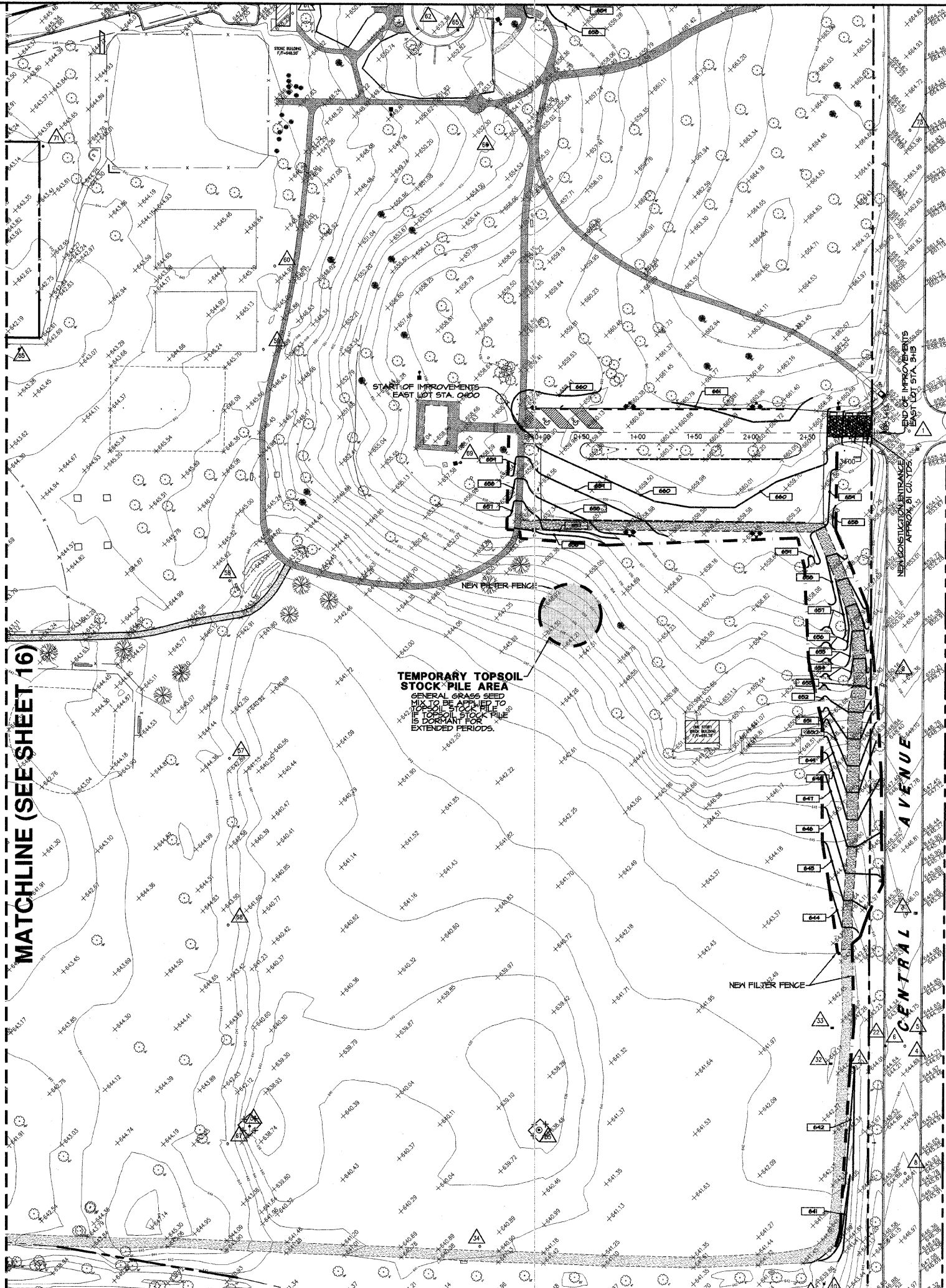
DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JFG
CHECK:	TOA
JOB:	CE06316
SHEET	16 OF 26



MATCHLINE (SEE SHEET 17)



FIELD ENGINEER: MARILIN SOLOMON 847-705-4407

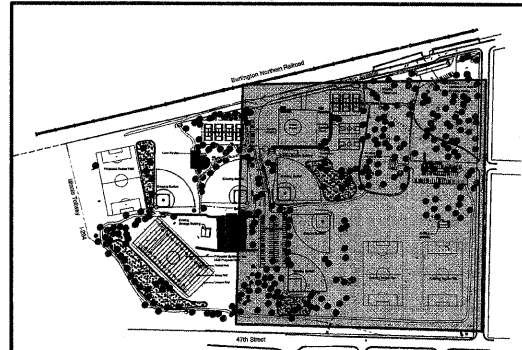
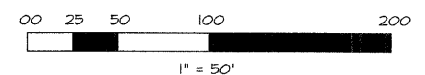


FA. RT.	SECTION	COUNTY
---	05-P4086-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63080

**GRADING LEGEND**

- EXISTING GRADE POINT
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED GRADE POINT
- PROPOSED RIM ELEVATION
- PROPOSED INVERT ELEVATION
- TSM TOP OF SIDEWALK ELEVATION
- TC TOP OF CURB ELEVATION
- TP TOP OF PAVEMENT ELEVATION
- TS TOP OF SIDEWALK ELEVATION
- G GRADE ELEVATION
- TI TOP OF ISLAND ELEVATION
- TW TOP OF WALL ELEVATION
- TG TOP OF GRAVEL ELEVATION
- BW BOTTOM OF WALL ELEVATION
- FF FINISH FLOOR ELEVATION
- CB EXISTING CATCH BASIN
- MH EXISTING MANHOLE
- CI EXISTING CURB INLET
- ET EXISTING TREE
- PI PROPOSED INLET
- PCB PROPOSED CATCH BASIN
- S SIGN
- OFA OVERLAND FLOW ARROW
- SFIP SILT FENCE INLET PROTECTION
- SECF SOIL EROSION CONTROL FILTER FENCE
- OFR 100 YEAR OVERLAND FLOW ROUTE
- RR RIP RAP
- NAGP50 NORTH AMERICAN GREEN P50 PERMANENT TURF REINFORCEMENT MAT
- NGP NEW GRASS PAVERS.

NOTE: TEMPORARY CONSTRUCTION ENTRANCE TO BE COMPLETELY REMOVED BEFORE CONSTRUCTION OF NEW PARKING LOT.  
FOR DISTURBED AREAS WITH EXPOSED DIRT, TEMPORARILY GRASS SEED IF LEFT OPEN FOR MORE THAN 14 DAYS.



KEY MAP  
SPRING ROCK PARK

DATE	BY
6-19-08	JFG
6-24-08	JFG
7-18-08	JFG
7-25-08	JFG

REVISIONS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS

**W-T CIVIL ENGINEERING, LLC**  
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 IL License No.: 184-003492 Exp: 04/30/09



**SPRING ROCK PARK**  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL

**SOIL EROSION CONTROL PLAN**

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JFG
CHECK:	TOA
JOB:	CE06316
SHEET	17 OF 26

FA RTE.	SECTION	COUNTY
---	05-P4086-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

DATE	BY
6-13-08	JFG
6-24-08	JFG
7-18-08	JFG
7-25-08	JFG

REVISED PER IDOT COMMENTS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS  
 PER IDOT COMMENTS

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W-T  
 SPRING ROCK PARK  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL

SOIL EROSION CONTROL DETAILS

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JFG
CHECK:	TOA
JOB:	CE06316
SHEET:	18 OF 26

**CONSTRUCTION SEQUENCE**

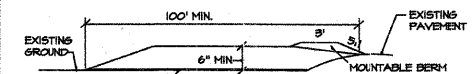
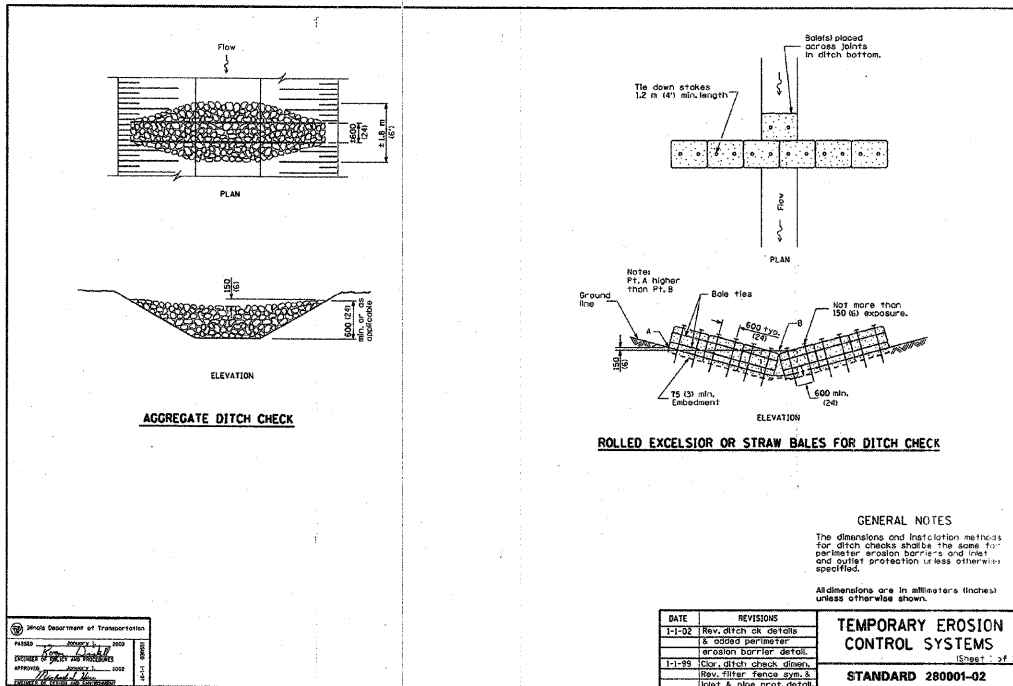
- INSTALLATION OF FILTER FENCE AS DEPICTED ON PLANS AND STORM DRAIN PROTECTION AT EXISTING INLETS PRIOR TO ANY EARTH MOVING OPERATIONS.
- TEMPORARY CONSTRUCTION FENCE
- INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE.
- DEMOLISH BUILDINGS
- STRIPPING AND STOCK PILING OF TOPSOIL AND ROUGH GRADING. TEMPORARY STABILIZATION WITHIN 15 DAYS.
- CONSTRUCTION OF UNDERGROUND IMPROVEMENTS. AREA NEXT TO RIMS SHALL BE EXCAVATED TO RAISE RIM ABOVE GROUND SURFACE.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
- PLACEMENT OF SILT FENCE INLET AND DITCH CHECK SEDIMENT TRAPS AT NEW INLETS AND DRAINAGE SHALES.
- FINAL GRADING.
- PERMANENT LANDSCAPE INSTALLATION OR TEMPORARY STABILIZATION SHALL BE PROVIDED WITHIN 15 DAYS OF FINAL GRADING.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE CONTINUALLY MAINTAINED AS FOLLOWS:
  - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - DAILY INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.
  - TEMPORARY COVER SHALL BE CONTINUOUSLY MAINTAINED UNTIL PERMANENT COVER IS ESTABLISHED. LANDSCAPING/SOD IS CONSIDERED TEMPORARY UNTIL IT IS CAPABLE OF SURVIVING SEVERE WEATHER CONDITIONS.
  - INLETS AND DRAINAGEWAYS SHALL BE INSPECTED AND CLEANED PERIODICALLY AND BEFORE MAINTENANCE RESPONSIBILITY EXPIRES.
  - EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH SIGNIFICANT PRECIPITATION EVENT.

**SEDIMENTATION AND EROSION CONTROL SPECIFICATIONS**

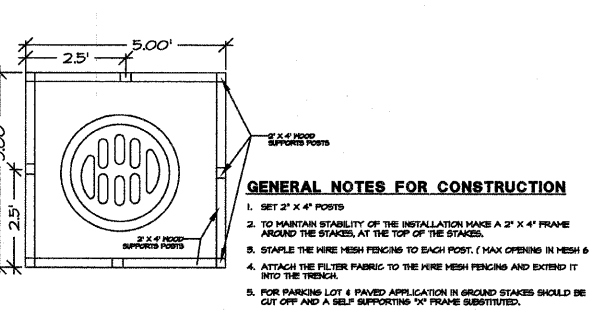
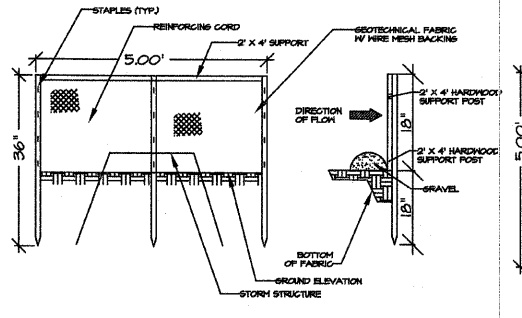
- HAY OR STRAW DITCH CHECKS SHALL BE INSTALLED AT 50' INTERVALS ON ALL SHALES. DITCH CHECKS SHALL BE MAINTAINED UNTIL DRAINAGE AREA TRIBUTARY TO DITCH CHECKS HAS LIVE AND GROWING GRASS OR GROUND COVER. AFTER LIVE AND GROWING GRASS OR GROUND COVER HAS BEEN ESTABLISHED, DITCH CHECKS SHALL BE REMOVED.
- STACKED HAY OR STRAW BALES SHALL BE INSTALLED AROUND EACH INLET OR CATCH BASIN THAT HAS A TYPE B GRATE. THESE SHALL BE MAINTAINED UNTIL DRAINAGE AREA TRIBUTARY HAS GROWING GRASS OR GROUND COVER.
- STREETS ADJACENT TO THE SITE SHALL BE KEPT FREE OF DIRT, MUD AND DEBRIS.
- MINIMIZE BARE EARTH SURFACES DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS IS PRACTICABLE.
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIALS IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, OR DITCHES SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS LOOSE MATERIAL SHALL BE REMOVED.
- ALL SEDIMENT WILL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEMS BY THE USE OF SAND BAGS, INTERCEPTOR DICES OR OTHER APPROVED FUNCTIONAL METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM STORM SEWERS AND DRAINAGE STRUCTURES.
- CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A MANNER AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THROUGHWAYS. AT THE END OF EACH DAY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS OR AS REQUIRED BY VILLAGE OFFICIALS.

**SEDIMENT AND EROSION CONTROL REQUIREMENTS**

- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
- STOCKPILE OF SOIL SHALL NOT BE LOCATED IN SPECIAL MANAGEMENT AREAS.
- IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, THEN SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR SUCH STOCKPILE.
- IF THE VOLUME, VELOCITY, SEDIMENT LOAD, OR PEAK FLOW RATES OF STORMWATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION, THEN PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM SUCH DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION.
- STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
- THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 15 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED. ACCEPTABLE METHODS INCLUDE, BUT ARE NOT LIMITED TO: INLET PROTECTION, STILLING BASINS, FILTER FENCE AND VEGETATED SHALES.
- GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT THE DEPOSIT OF SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY.
- ALL CONTROL MEASURES NECESSARY TO MEET THE REQUIREMENTS OF THIS ORDINANCE OR THE TOWN OF WESTERN SPRINGS SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.

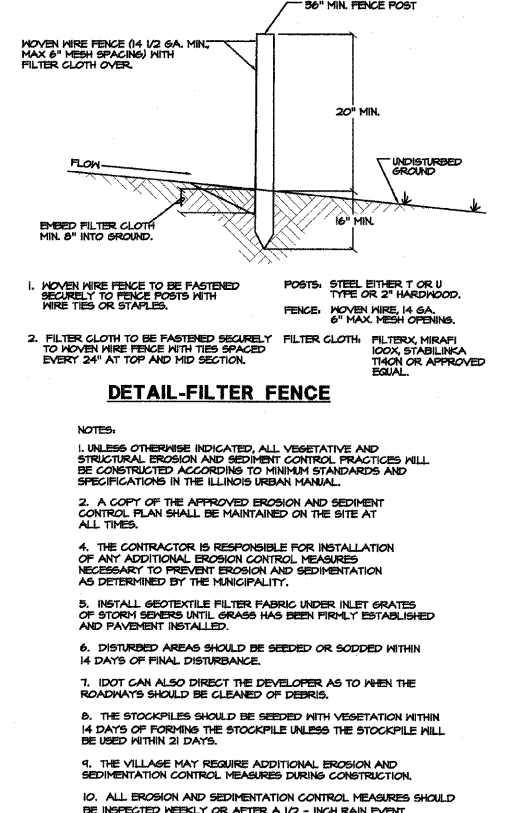
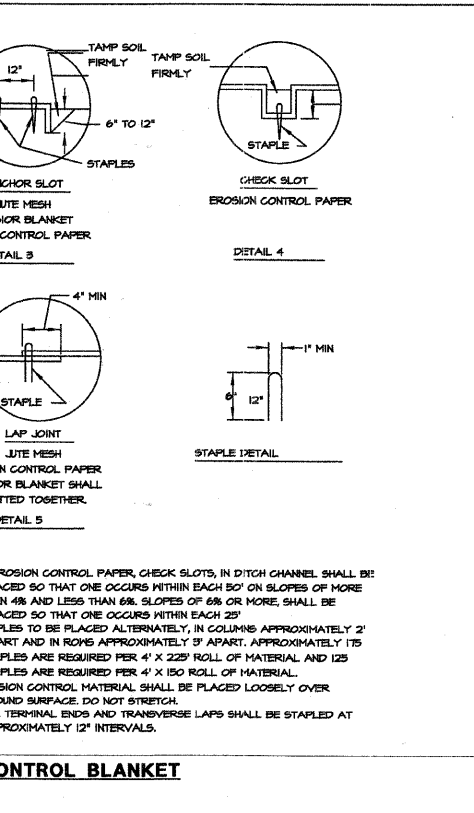
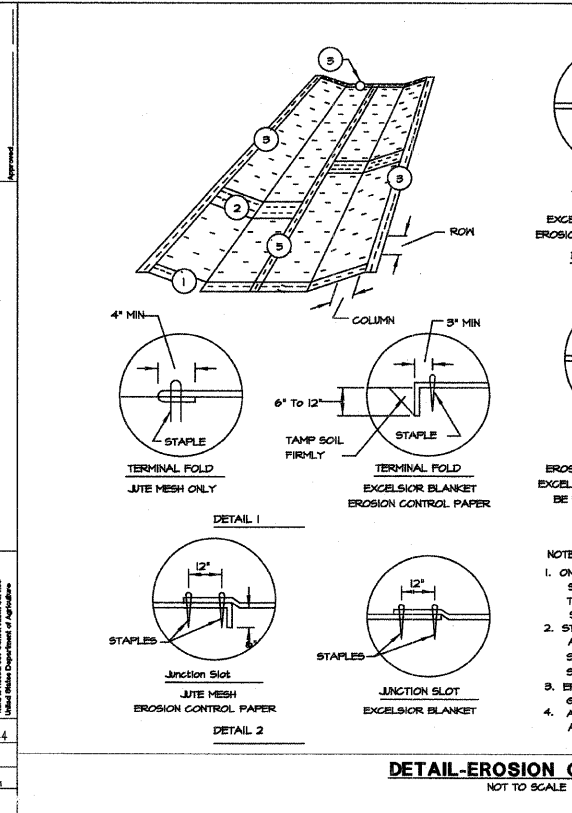
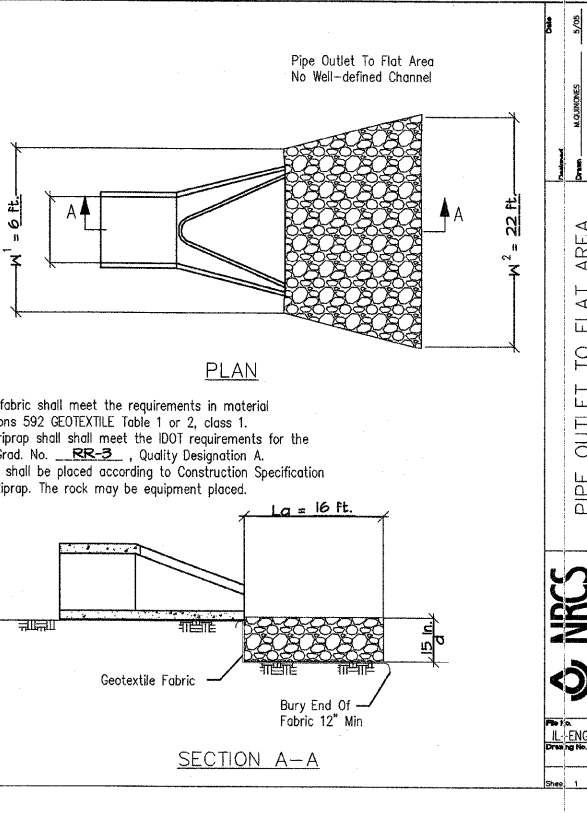
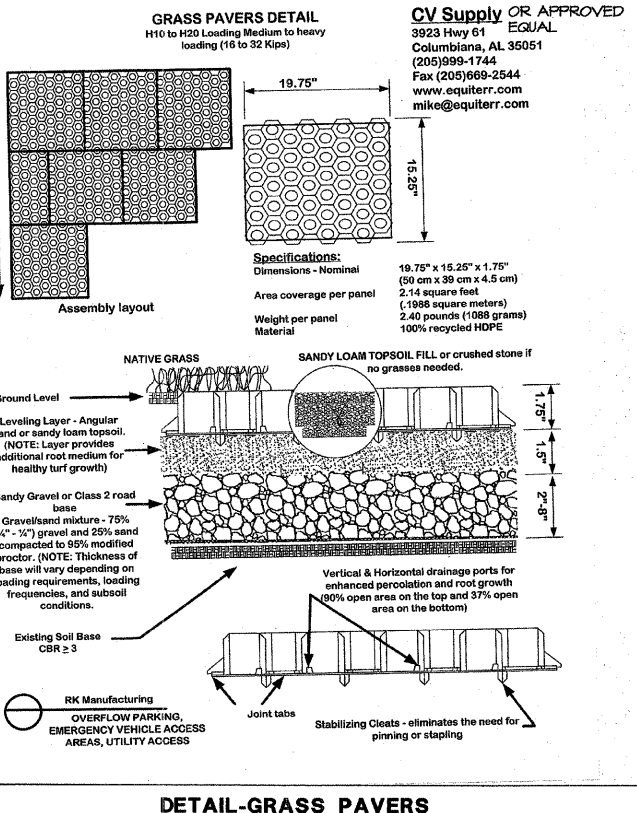


- LENGTH - AS REQUIRED, BUT NOT LESS THAN 100 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THICKNESS - NOT LESS THAN 6 INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
- FILTER CLOTH - WILL BE REPLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY, MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

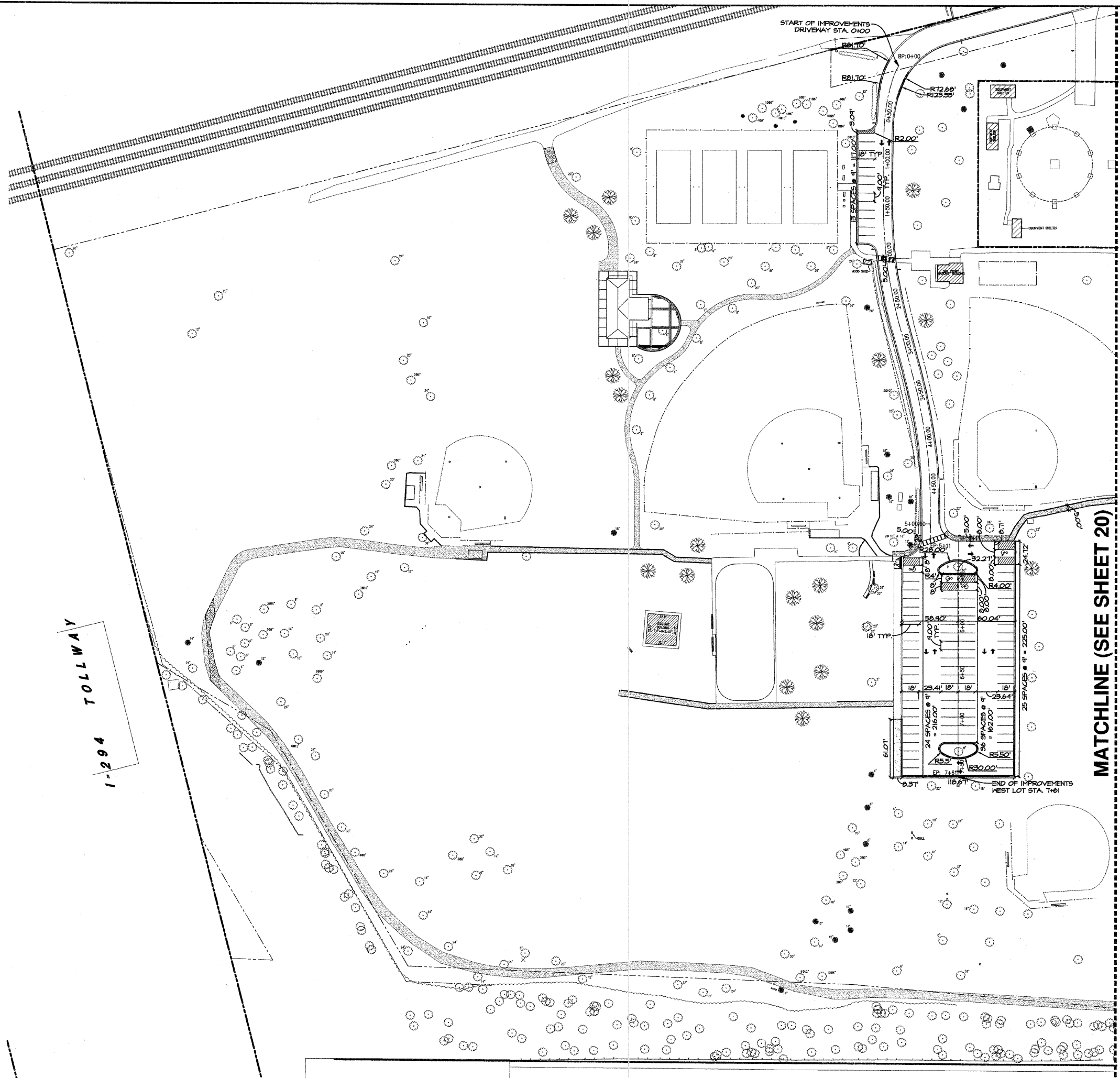


**DETAIL-SILT FENCE INLET PROTECTION**

**DETAIL-CONSTRUCTION ENTRANCE**



FIELD ENGINEER: MARILIN SOLOMON 847-705-4407

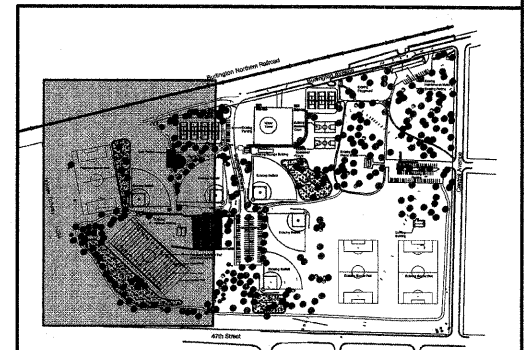
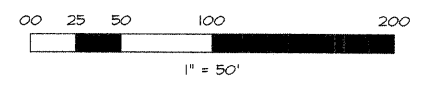


FA. RTE.	SECTION	COUNTY
---	05-P4098-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.
		63080

REVISIONS	DATE	BY
PER IDOT COMMENTS	6-19-08	JFG
PER IDOT COMMENTS	6-24-08	JFG
PER IDOT COMMENTS	7-18-08	JFG
PER IDOT COMMENTS	7-25-08	JFG

- NOTES:
1. ALL DIMENSIONS ARE FACE OF CURB TO FACE OF CURB OR BUILDING FOUNDATION UNLESS NOTED OTHERWISE.
  2. ALL PROPOSED CURBS AND GUTTER SHALL BE B6.12 UNLESS OTHERWISE NOTED.
  3. ALL RADII ARE MEASURED TO FACE OF CURB UNLESS NOTED OTHERWISE.
  4. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION.
  5. CONTACT JULLIE (800-842-0123) PRIOR TO DIGGING TO LOCATE ALL UTILITIES IN THE RIGHT OF WAY.
  6. CONTRACTOR SHALL EXCAVATE AND VERIFY ALL EXISTING SEWER OR WATER MAIN LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION AND NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR CONFLICTS.
  7. ALL PAVEMENT MARKINGS SHALL BE PAINTED 6" YELLOW TWO COATS, EXCEPT HANDICAP SYMBOLS, PAID FOR AS PAINT MARKING - LETTERS AND SYMBOLS, PAINT PAVEMENT MARKING - LINE 6", AND PAINT PAVEMENT MARKING LINE-12" (18001100, 18001150, 18001150).
  8. TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER TOPOGRAPHIC MAP DATED 4-5-07, PREPARED BY M-T LAND SURVEYING, INC. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION.
  9. PROPERTY LINE SHOWN IS PROVIDED FROM SURVEY BY OTHERS. THE PROPERTY LINE SHOWN IS NOT EXACT IN REFERENCE TO TOPOGRAPHY SHOWN BY INTLS.

PARKING NOTES:  
 TOTAL EXISTING SPACES - 156  
 TOTAL EXISTING HANDICAP SPACES - 3  
 TOTAL PROPOSED SPACES - 152  
 TOTAL PROPOSED HANDICAP SPACES - 6



KEY MAP  
 SPRING ROCK PARK

**W-T CIVIL ENGINEERING, LLC.**  
 CIVIL AND STRUCTURAL ENGINEERS  
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 Hoffman Estates, Illinois 60132  
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 www.wtengineering.com  
 IL License No.: 184-003482 Exp: 04/30/09



**SPRING ROCK PARK**  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL

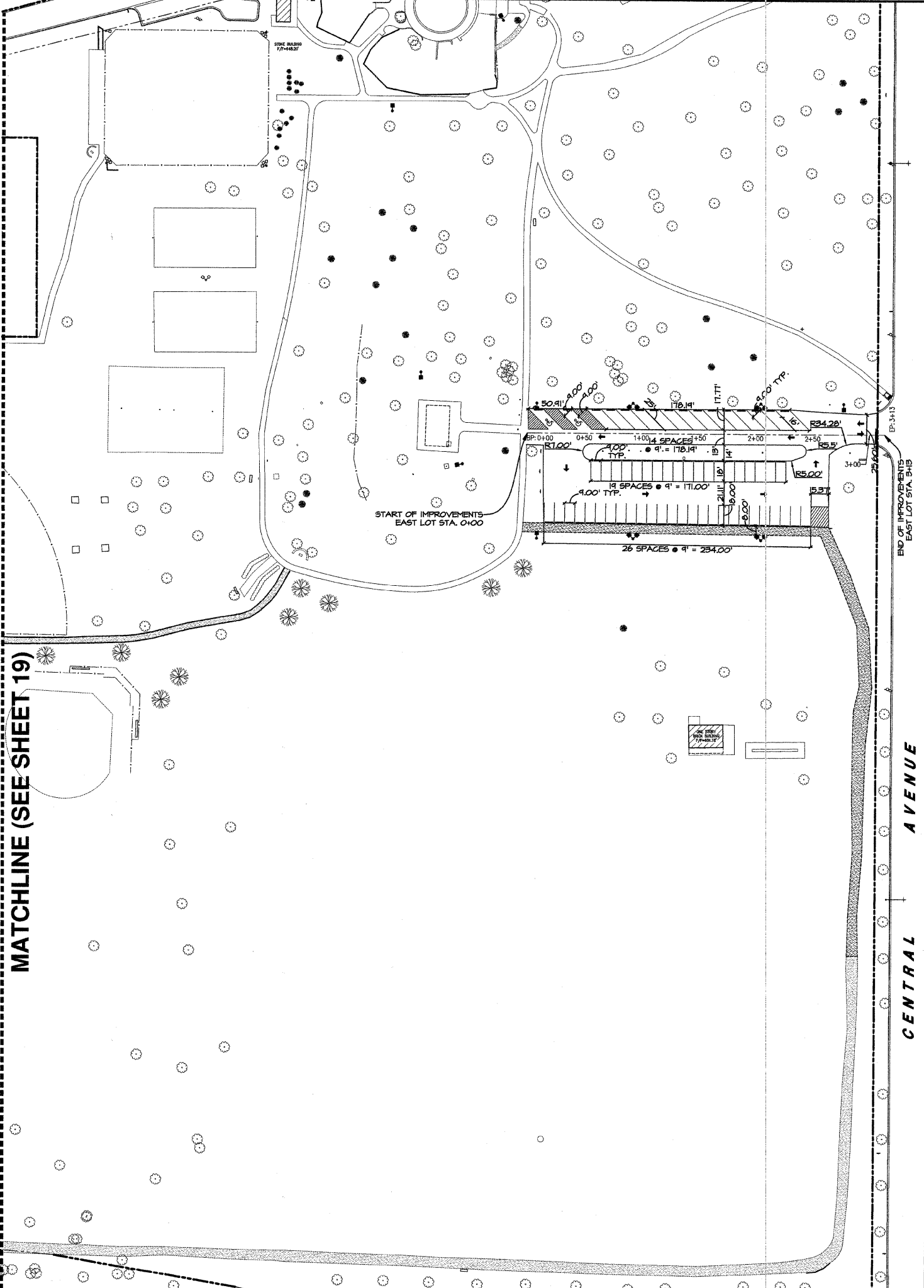
**STRIPING PLAN**

DATE: 05/23/08  
 SCALE: 1" = 50'  
 DRAWN: JFG  
 CHECK: TOA  
 JOB: CE06316  
 SHEET  
**19 OF 26**



FIELD ENGINEER: MARILIN SOLOMON 847-705-4407

MATCHLINE (SEE SHEET 19)



FA. RTE.	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63080

DATE	BY	JPG	JPG	JPG	JPG
6-18-08					
6-24-08					
7-18-08					
7-25-08					

- NOTES:
1. ALL DIMENSIONS ARE FACE OF CURB TO FACE OF CURB OR BUILDING FOUNDATION UNLESS NOTED OTHERWISE.
  2. ALL PROPOSED CURB AND GUTTER SHALL BE B6.12 UNLESS OTHERWISE NOTED.
  3. ALL RADII ARE MEASURED TO FACE OF CURB UNLESS NOTED OTHERWISE.
  4. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION.
  5. CONTACT JULL.I.E. (800-842-0123) PRIOR TO DIGGING TO LOCATE ALL UTILITIES IN THE RIGHT OF WAY.
  6. CONTRACTOR SHALL EXCAVATE AND VERIFY ALL EXISTING SEWER OR WATER MAIN LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION AND NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR CONFLICTS.
  7. ALL PAVEMENT MARKINGS SHALL BE PAINTED 6" YELLOW TWO COATS, EXCEPT HANDICAP SYMBOLS. PAID FOR AS PAINT MARKING -LETTERS AND SYMBOLS, PAINT PAVEMENT MARKING -LINE 6", AND PAINT PAVEMENT MARKING LINE-12" (T800100, T8001B0, T800150).
  8. TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER TOPOGRAPHIC MAP DATED 4-3-07, PREPARED BY W-T LAND SURVEYING, INC. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION.
  9. PROPERTY LINE SHOWN IS PROVIDED FROM SURVEY BY OTHERS. THE PROPERTY LINE SHOWN IS NOT EXACT IN REFERENCE TO TOPOGRAPHY SHOWN BY MTL5.

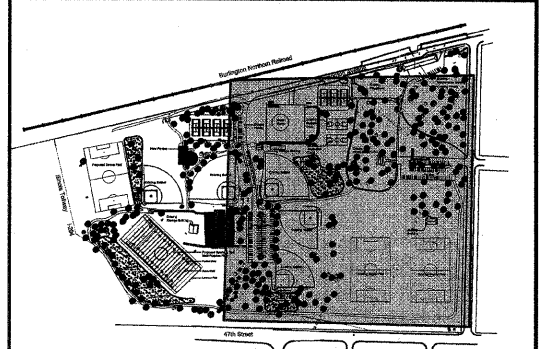
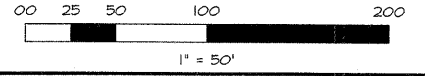
PARKING NOTES:

TOTAL EXISTING SPACES - 156  
 TOTAL EXISTING HANDICAP SPACES - 3  
 TOTAL PROPOSED SPACES - 152  
 TOTAL PROPOSED HANDICAP SPACES - 6

**W-T CIVIL ENGINEERING, LLC.**  
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 www.wtengineering.com  
 I.L. License No.: 184-003492 Exp: 04/30/09



**SPRING ROCK PARK**  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL



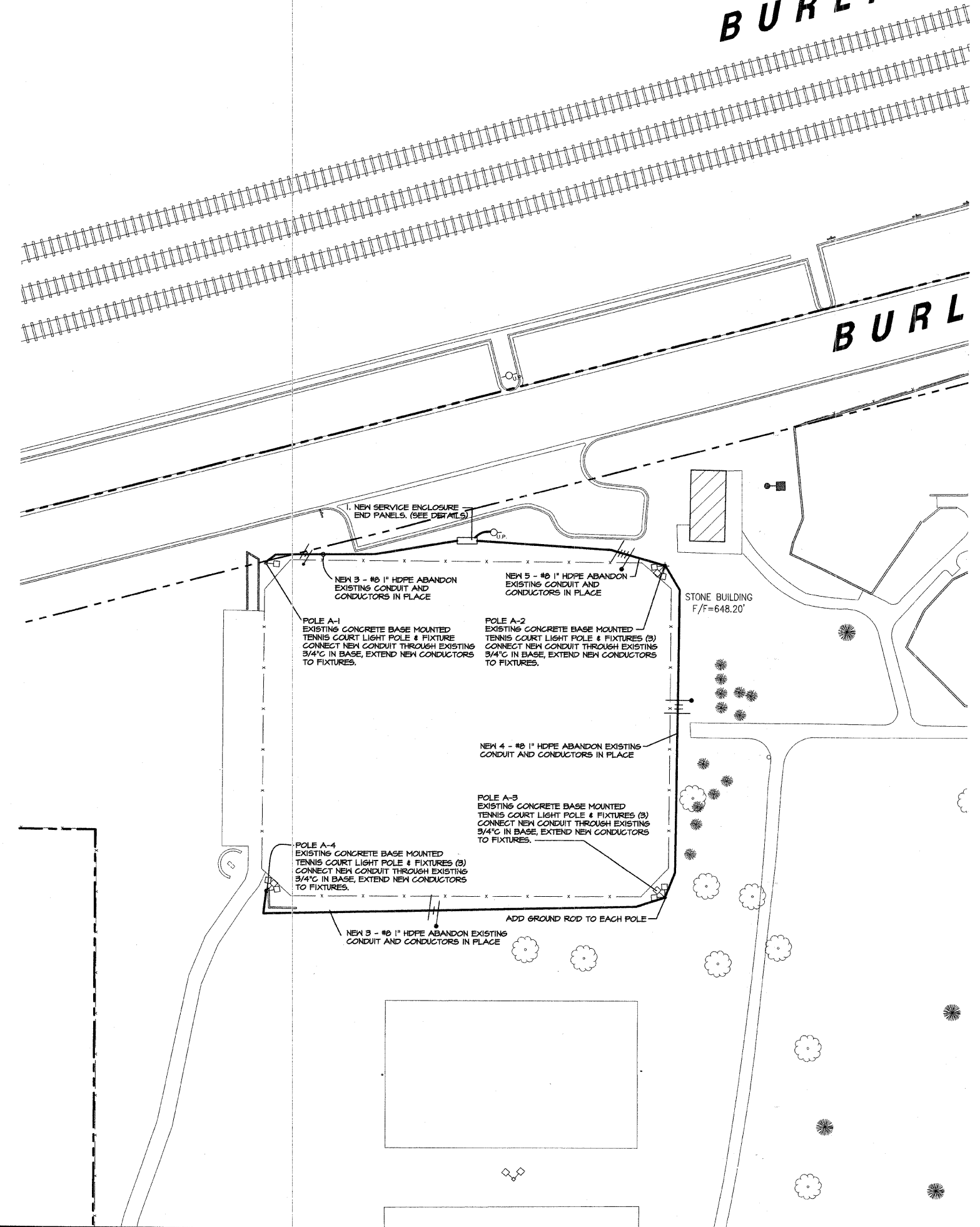
KEY MAP  
 SPRING ROCK PARK  
 1" = 200'

**STRIPING PLAN**

DATE: 05/23/08  
 SCALE: 1" = 50'  
 DRAWN: JPG  
 CHECK: TOA  
 JOB: CE06316  
 SHEET  
**20 OF 26**

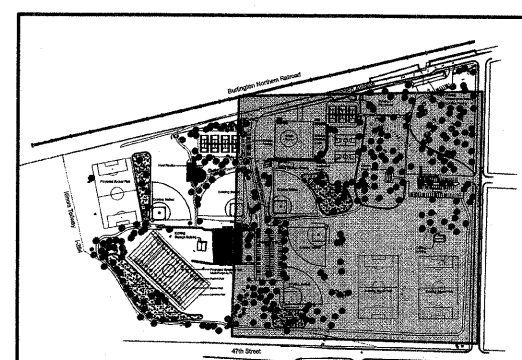
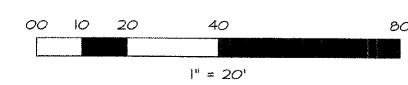
FIELD ENGINEER: MARLIN SOLOMON 847-705-4407

# BURLING



**DRAWING KEY NOTES**

1. CONTRACTOR TO CONTACT COM ED AT 1-800-354-7661 14 DAYS PRIOR TO STARTING WORK TO SCHEDULE SERVICE SHUT DOWN OF EXISTING METER + PANEL.



**KEY MAP**  
SPRING ROCK PARK

FA RITE	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

REVISIONS	DATE	BY
PER IDOT COMMENTS	6-19-08	JFG
PER IDOT COMMENTS	6-24-08	JFG
PER IDOT COMMENTS	7-18-08	JFG
PER IDOT COMMENTS	7-25-08	JFG

**W-T CIVIL ENGINEERING, LLC.**  
CIVIL AND STRUCTURAL ENGINEERS

2075 Pratum Avenue  
Hoffman Estates, Illinois 60192  
PH: (224) 293-6333 FAX: (224) 293-6444  
www.wtengineering.com

IL License No.: 184-003492 Exp: 04/30/09

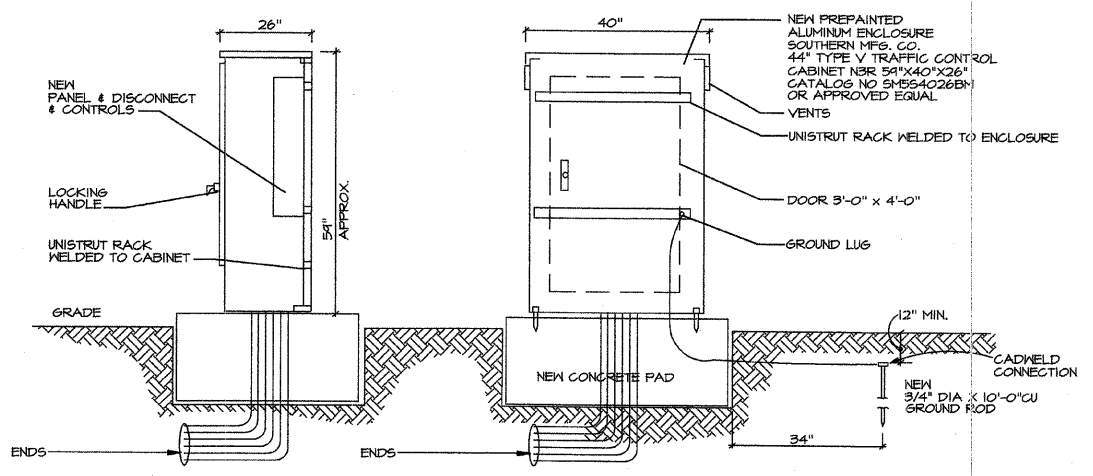


**SPRING ROCK PARK**  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

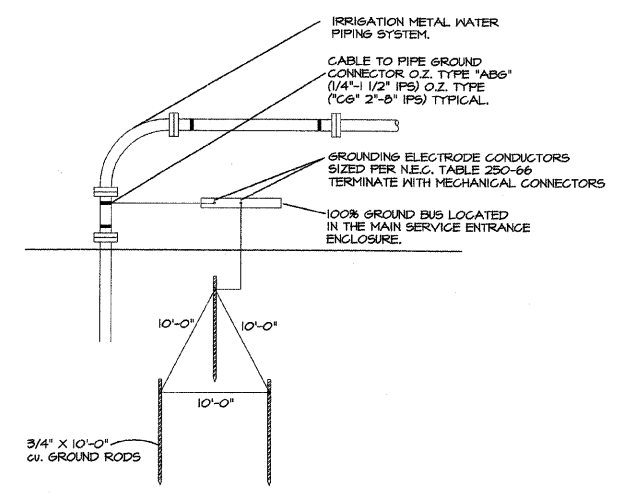
**TENNIS COURT ELECTRICAL PLAN**

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JFG
CHECK:	TOA
JOB:	CE06316
SHEET	21 OF 26

BY	JPS	JPS	JPS
DATE	6-19-08	6-24-08	7-18-08
PER IDOT COMMENTS			
PER IDOT COMMENTS			
PER IDOT COMMENTS			
PER IDOT COMMENTS			



**ELECTRICAL SERVICE ENCLOSURE**  
SCALE: N.T.S.



**DETAIL - GROUNDING ELECTRODE SYSTEM**  
SCALE: N.T.S.

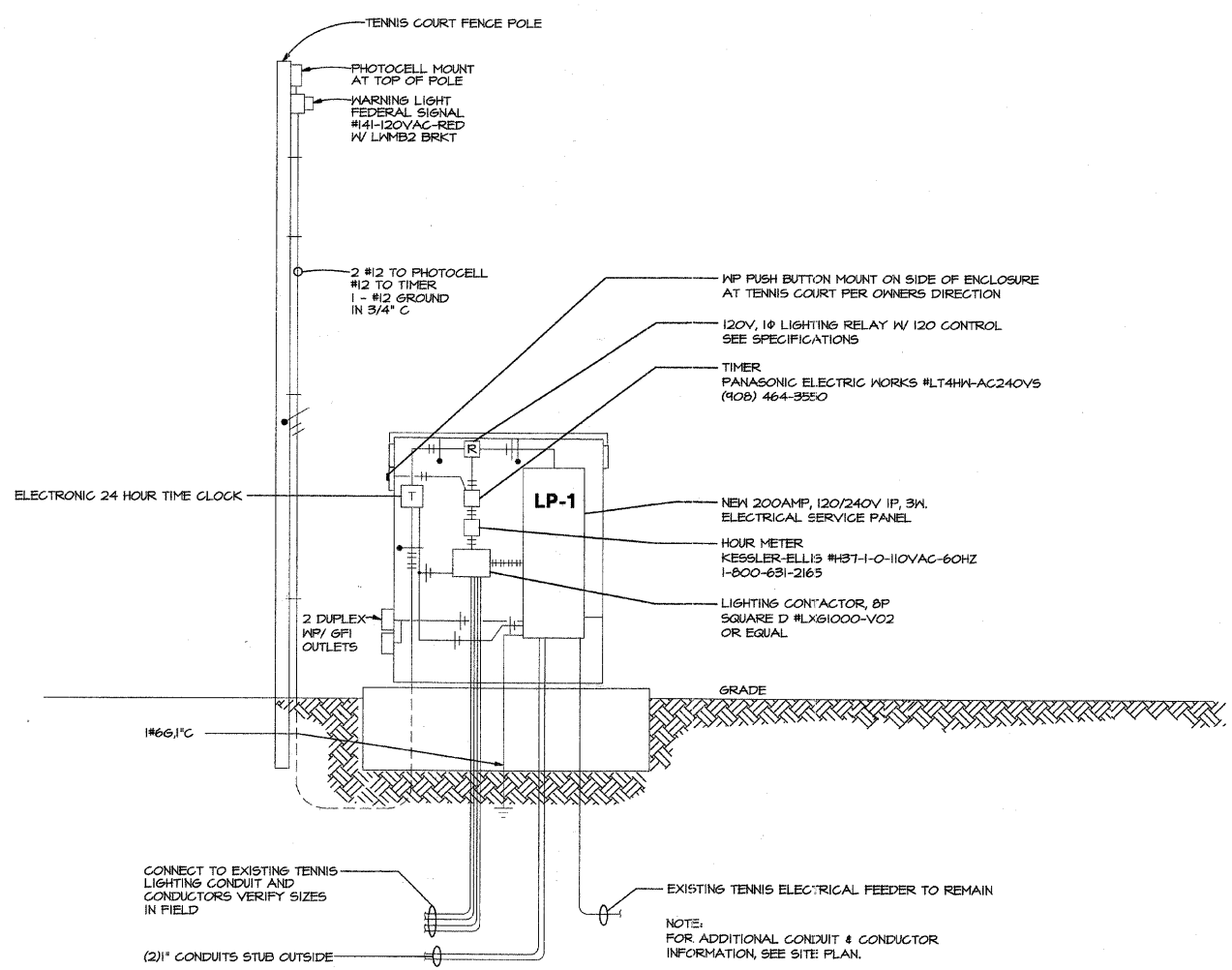
PANEL	LPI	VOLTS	120/240	PHASE	1Ø3W
AMPS	200	MAIN	200A MCB	A.I.C.	22,000
LOCATION	ELECTRICAL SERVICE ENCLOSURE		MOUNTING	SURFACE	

CKT. #	POLE	TRIP	MISC	C.D.	LTS	LOCATION	KVA	KVA	LOCATION	LTS	C.D.	MISC	TRIP	POLE	CKT. #
1	1	20			1	TENNIS COURT #A1			TENNIS COURT #A3	3			20	1	2
3	1	20			3	TENNIS COURT #A2			TENNIS COURT #A4	3			20	1	4
5	1	20				SPARE			SPARE				20	1	6
7	1	20				SPARE			SPARE				20	1	8
9	1	20				OUTLET		SPARE	OUTLET				20	1	10
11	1	20				WARNING LIGHT		SPARE	CONTROL CCT				20	1	12
13						SPACE			SPACE						14
15						SPACE			SPACE						16
17						SPACE			SPACE						18
19						SPACE			SPACE						20
21						SPACE			SPACE						22
23						SPACE			SPACE						24
25						SPACE			SPACE						26
27						SPACE			SPACE						28
29						SPACE			SPACE						30
TOTAL =							= TOTAL								
							TOTAL KVA =		TOTAL AMPS =						

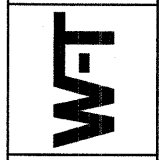
**OPERATIONAL SEQUENCE**

- ELECTRONIC TIME CLOCK AND PHOTOCELL ENERGIZES 120V CONTROL CIRCUIT TO WP PUSHBUTTON STATION AT EACH TENNIS COURT.
- DEPRESSING WP PUSHBUTTON AT TENNIS COURT CLOSES CONTACT ON TIMER, HOURMETER AND LIGHTING CONTACTOR TURNING ON TENNIS COURT LIGHTS. TIMER BEGINS DUAL COUNTDOWN: 1 HOUR DURATION FOR TENNIS COURT LIGHTING TO REMAIN ON AND 55 MINUTES DURATION AT WHICH TIME THE LIGHTING RELAY IS ENERGIZED CAUSING THE RED BEACON LIGHT TO BEGIN FLASHING FOR A LENGTH OF 5 MINUTES.



**DIAGRAM - ELECTRICAL SERVICE**  
SCALE: N.T.S.

**W-T CIVIL ENGINEERING, LLC.**  
CIVIL AND STRUCTURAL ENGINEERS  
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www.wtengineering.com  
IL License No.: 184-003492 Exp: 04/30/09



**SPRING ROCK PARK**  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

**TENNIS COURT**  
ELECTRICAL  
DETAILS

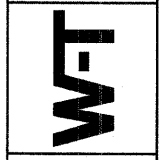
FIELD ENGINEER: MARILIN SOLOMON 847-705-4407



F.A. RTE.	SECTION	COUNTY
---	05-P4096-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

DATE	BY
6-18-08	JPG
6-24-08	JPG
7-18-08	JPG
7-25-08	JPG

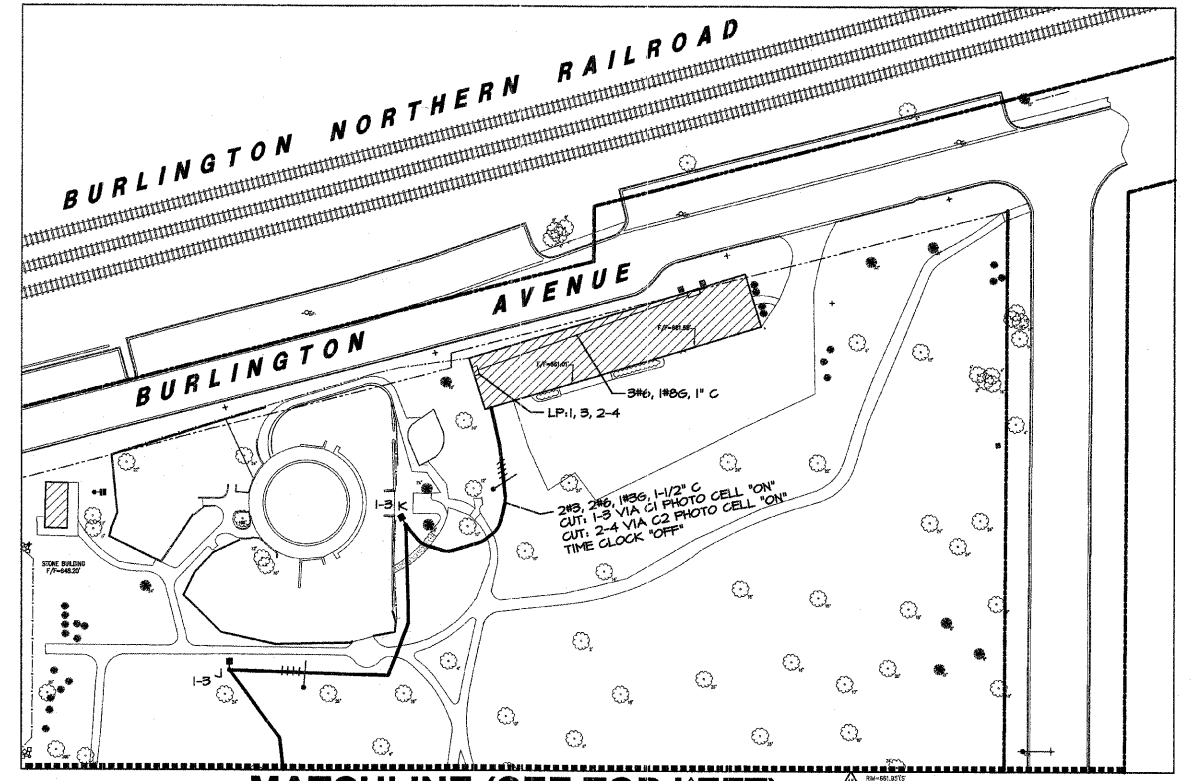
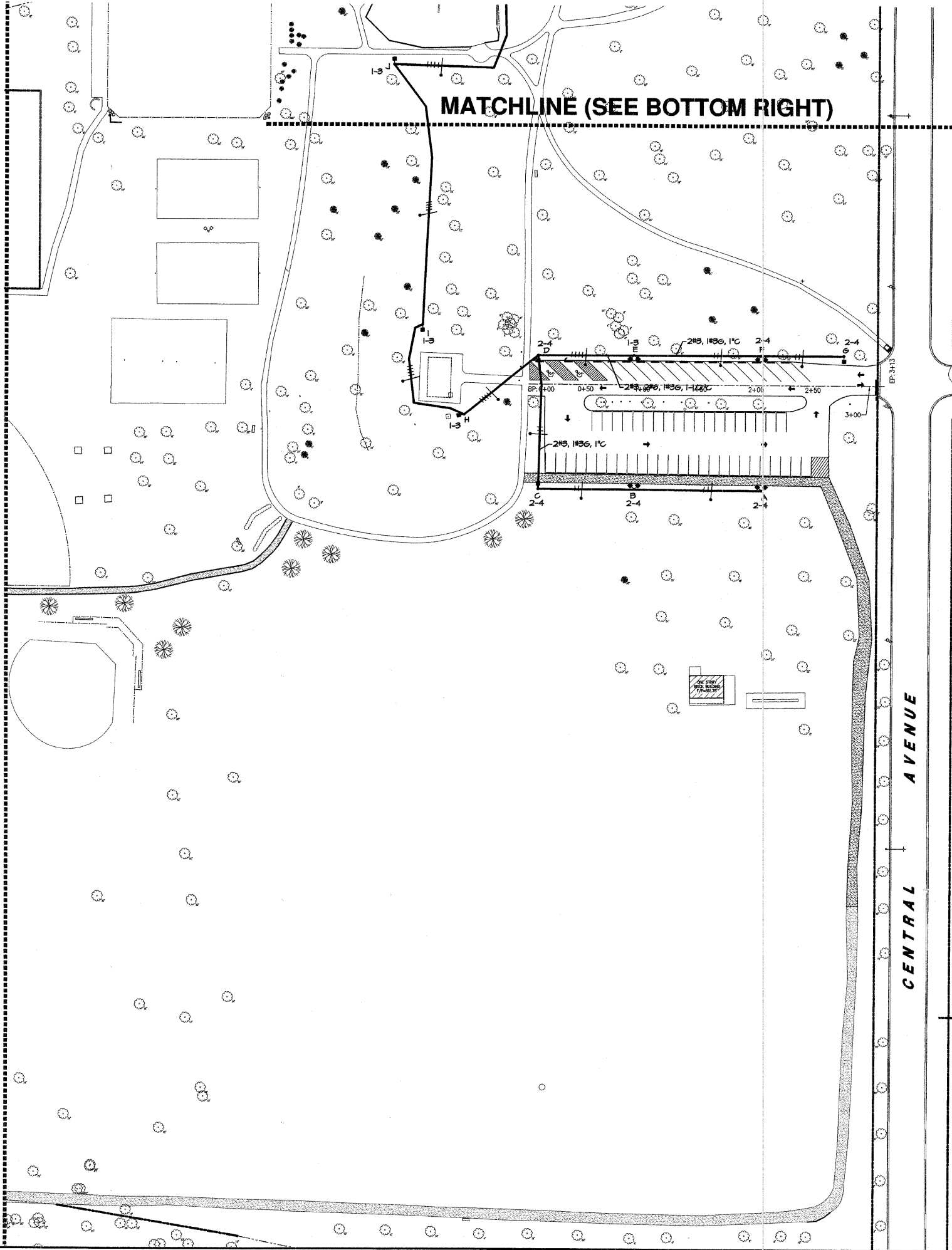
**W-T CIVIL ENGINEERING, LLC.**  
 CIVIL AND STRUCTURAL ENGINEERS  
 2075 Pratum Avenue  
 Hoffman Estates, Illinois 60192  
 PH: (224) 255-6333 FAX: (224) 255-6444  
 www.wtengineering.com  
 IL License No.: 184-003492 Exp: 04/30/09



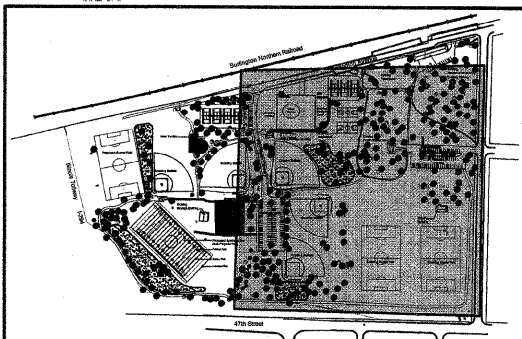
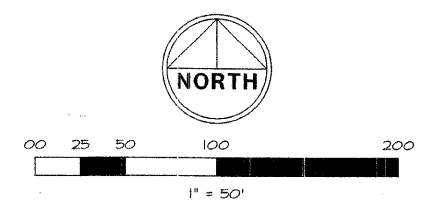
**SPRING ROCK PARK**  
 CENTRAL AVE & 47TH ST  
 WESTERN SPRINGS, IL

**SITE ELECTRICAL PLAN**

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JPG
CHECK:	TOA
JOB:	CE06316
SHEET	23 OF 26



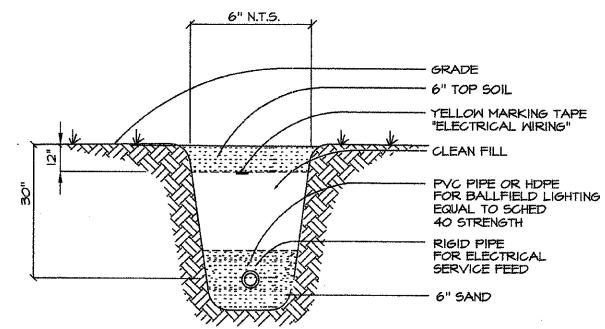
NOTE:  
 SAWCUT, TRENCH, AUGER, BACKFILL, COMPACT AND PATCH  
 AS REQUIRED FOR INSTALLATION OF PROPOSED UTILITIES.



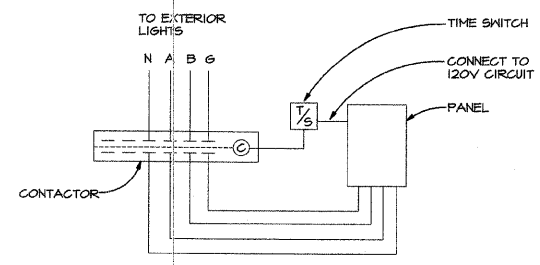
KEY MAP  
 SPRING ROCK PARK

FIELD ENGINEER: MARLIN SOLOMON 847-705-4407

BY	DATE
JFG	6-18-08
JFG	6-24-08
JFG	7-18-08
JFG	7-25-08



**ELECTRICAL TRENCH DETAIL**  
SCALE: N. T. S.



**EXTERIOR WIRING DIAGRAM**  
SCALE: N. T. S.

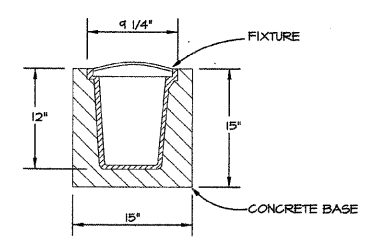
PANEL	LP	VOLTS	120/240	PHASE	1Ø3Ø
AMPS	60A	MAIN	60A MCB	A.I.C.	10,000
LOCATION	VERIFY WITH OWNER		MOUNTING	SURFACE	

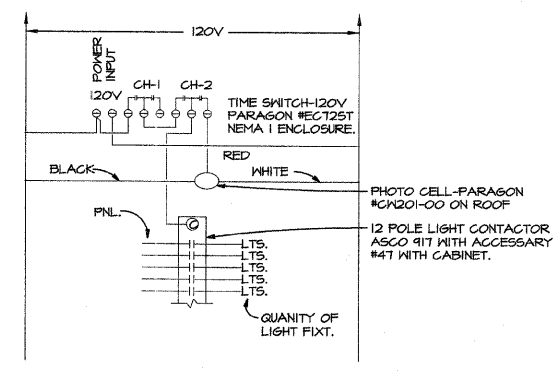
CKT. #	POLE	TRIP	MISC	C.D.	LTS	LOCATION	KVA	KVA	LOCATION	LTS	C.D.	MISC	TRIP	POLE	CKT. #
1	2					NIGHT LIGHTING	2.76	3.84	PARKING LOT LIGHTING					2	2
3		20												20	4
5	1	20				SPACE	-	-	SPACE					20	6
7	1	20				SPACE	-	-	SPACE					20	8
9	1	20				SPACE	-	-	SPACE					20	10
11	1	20				SPACE	-	-	SPACE					20	12
TOTAL = 2.76							3.84	TOTAL							
								TOTAL KVA = 6.60						TOTAL AMPS = 27.50	

- NOTES:
- ALL C/B'S SERVING HVAC EQUIPMENT SHALL BE HACR RATED.
  - ALL C/B'S SERVING EM/FL LIGHTING SHALL HAVE LOCK-ON DEVICE.
  - ALL C/B'S USED FOR SWITCHING OF LIGHTS SHALL BE SWITCH DUTY RATED.

- OPERATIONAL SEQUENCE**
- ELECTRONIC TIME CLOCK AND PHOTOCELL ENERGIZES 120V CONTROL CIRCUIT TO WP PUSHBUTTON STATION AT EACH TENNIS COURT.
  - DEPRESSING WP PUSHBUTTON AT TENNIS COURT CLOSES CONTACT ON TIMER, HOURMETER AND LIGHTING CONTACTOR TURNING ON TENNIS COURT LIGHTS. TIMER BEGINS DUAL COUNTDOWN: HOUR DURATION FOR TENNIS COURT LIGHTING TO REMAIN ON AND 55 MINUTES DURATION AT WHICH TIME THE LIGHTING RELAY IS ENERGIZED CAUSING THE RED BEACON LIGHT TO BEGIN FLASHING FOR A LENGTH OF 5 MINUTES.



**DETAIL - FLAG POLE LIGHT**  
SCALE: N. T. S.

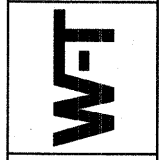


**DIAGRAM-PHOTO-CELL ON TIME SWITCH OFF**  
SCALE: N. T. S.

EQUIPMENT LIST						
POLE	LUMINAIRE'S				NOTES	
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	RTY / POLE
1	A	16'	-	16'	400W	2
1	B	16'	-	16'	400W	2
1	C	16'	-	16'	400W	1
1	D	16'	-	16'	400W	1
1	E	16'	-	16'	400W	2
1	F	16'	-	16'	400W	2
1	G	16'	-	16'	400W	1
1	H	1'	-	FLUSH	150W	1
1	I	10'	-	10'	400W	1
1	J	10'	-	10'	400W	1
1	K	10'	-	10'	400W	1
TOTALS						15

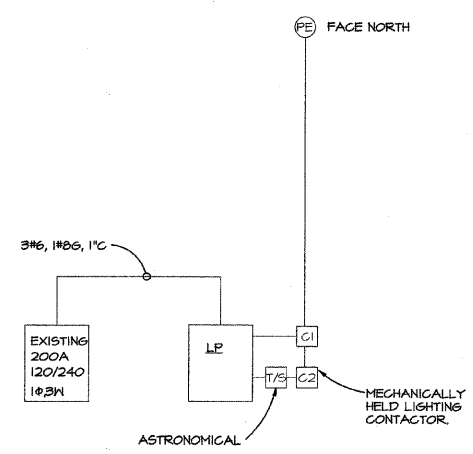
\* THIS STRUCTURE UTILIZES A BACK-TO-BACK MOUNTING CONFIGURATION

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2875 Pratum Avenue  
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www.wengineering.com  
IL License No.: 184-003492 Exp: 04/30/09

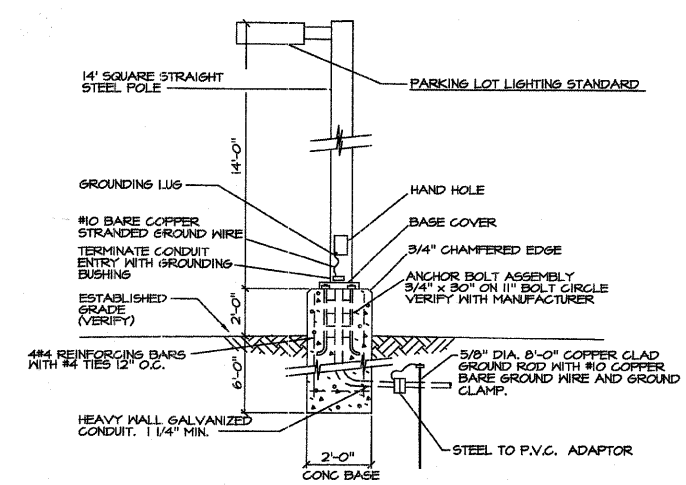
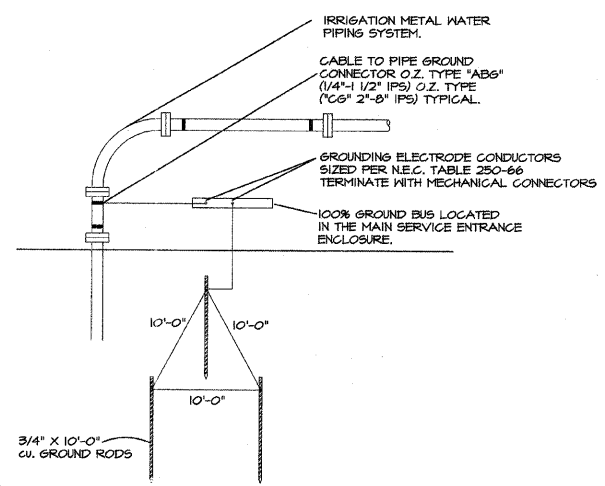


**SPRING ROCK PARK**  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

**SITE ELECTRICAL DETAILS**



**DETAIL - GROUNDING ELECTRODE SYSTEM**  
SCALE: N. T. S.



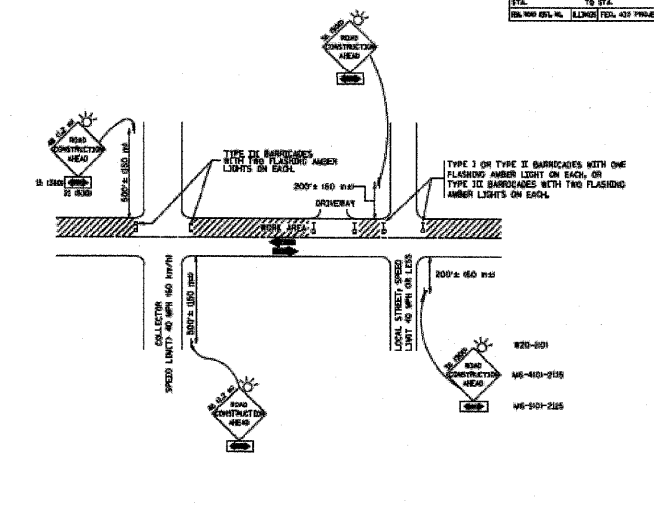
**DETAIL-TYPICAL LIGHT POLE STANDARD**  
SCALE: N. T. S.

FIELD ENGINEER: MARLIN SOLOMON 847-705-4407

FIELD ENGINEER: MARLIN SOLOMON 847-705-4407

FA. RITE.	SECTION	COUNTY
05-P4096-00-PK		COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63090

DATE	BY	REVISIONS
6-15-08	JFG	PER IDOT COMMENTS
6-24-08	JFG	PER IDOT COMMENTS
7-18-08	JFG	PER IDOT COMMENTS
7-25-08	JFG	PER IDOT COMMENTS



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

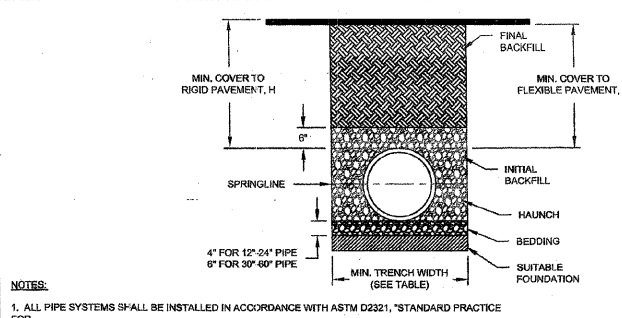
**NOTES:**

- FOR SIDE ROAD DISTRIBUTION ON THE SIDE ROAD OR DRIVEWAY
- TYPE I OR TYPE II BARRICADES WITH ONE FLASHING AMBER LIGHT ON EACH OR TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS ON EACH.
- TYPE III OR TYPE II BARRICADES WITH ONE FLASHING AMBER LIGHT ON EACH OR TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS ON EACH.

**REVISIONS:**

NO.	DATE	DESCRIPTION
1	05/23/08	ISSUED FOR PERMITS
2	06/15/08	PER IDOT COMMENTS
3	06/24/08	PER IDOT COMMENTS
4	07/18/08	PER IDOT COMMENTS
5	07/25/08	PER IDOT COMMENTS

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



**NOTES:**

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- MINIMUM COVER:** MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
54"	88"
60"	96"

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

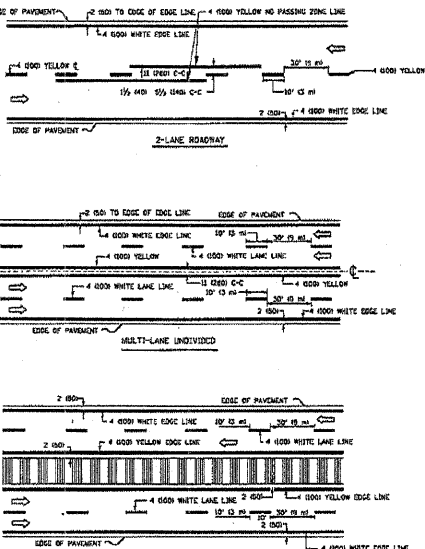
PIPE DIA.	H-25	HEAVY CONSTRUCTION (7.5T AXLE LOAD)*
12" - 48"	12"	48"
54" - 60"	24"	60"

\*VEHICLES IN EXCESS OF 7.5T MAY REQUIRE ADDITIONAL COVER

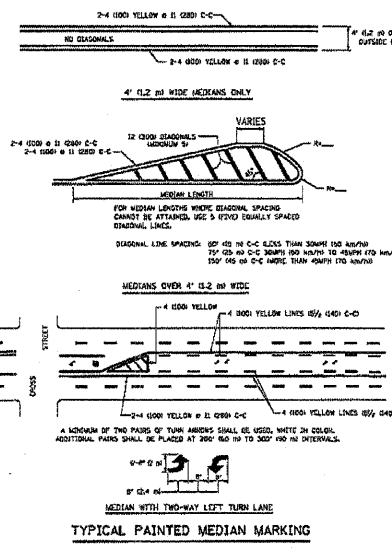
MINIMUM RECOMMENDED COVER BASED ON RAILWAY LOADING CONDITIONS

PIPE DIA.	COOPER E-80**
UP TO 24"	24"
30"-36"	36"
42"-60"	48"

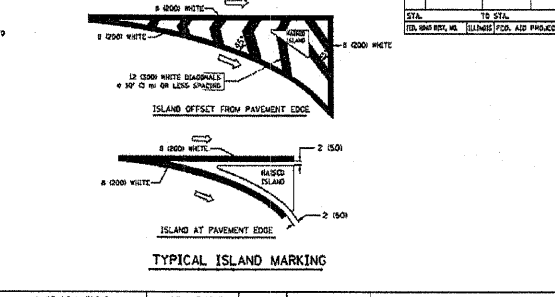
\*\*COVER IS MEASURED FROM TOP OF PIPE TO BOTTOM OF RAILWAY TIE  
\*\*E-80 COVER REQUIREMENTS, ARE ONLY APPLICABLE TO ASTM F 2306 PIPE.



TYPICAL LANE AND EDGE LINE MARKING



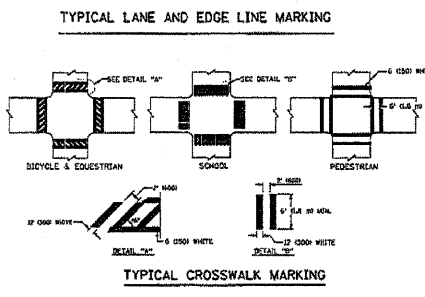
TYPICAL ISLAND MARKING



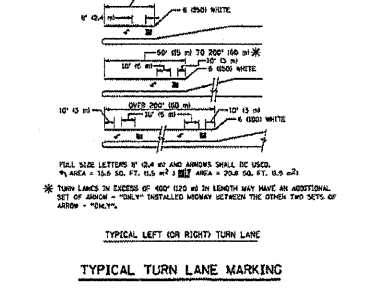
TYPICAL PAINTED MEDIAN MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / MARKS
CENTELINE ON 2 LANE PAVEMENT	4" (100)	SCOP-DASH	YELLOW	10' IS IN LINE WITH 30' IN SPACE
CENTELINE ON MULTI-LANE UNDIVIDED PAVEMENT	2" x 4" (50)	SOLID	YELLOW	11' (300) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4" (100)	SOLID	YELLOW	1/4" (6.35) C-C FROM SCOP-DASH CENTELINE OR 1/2" (12.7) C-C FROM SCOP-DASH CENTELINE BETWEEN DIRECTIONS
LANE LINES	4" (100)	SCOP-DASH	WHITE	10' IS IN LINE WITH 30' IN SPACE
OUTSIDE LINES CONTIGUOUS TO CENTER LANE OR TURN LANE DIVIDERS	4" (100)	SCOP-DASH	WHITE	10' IS IN LINE WITH 30' IN SPACE
EDGE LINES	4" (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTSIDE YELLOW-LEFT WHITE-RIGHT
TURN LANE MARKINGS	6" (150) LINES FULL LENGTH OF TURN (OR 15' MIN)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2" x 4" (50) LINES FULL LENGTH OF TURN (OR 15' MIN)	SCOP-DASH	YELLOW	10' IS IN LINE WITH 30' IN SPACE FOR LEFT TURN LANE AND 30' IN SPACE FOR RIGHT TURN LANE
CROSSWALK LINES (PROSTRUM)	2" x 4" (50) LINES FULL LENGTH OF CROSSWALK (OR 15' MIN)	SOLID	WHITE	NOT LESS THAN 6" (152.4) IS APPLICABLE TO ALL CROSSWALKS
STOP LINES	24" (600)	SOLID	WHITE	SEE TYPICAL STOP LINE MARKING DETAIL
PAINTED MEDIAN	18" (450) WITH 12" (300) SPACINGS	SOLID	YELLOW	11' (300) C-C FOR THE DOUBLE LINE
EDGE MARKING AND PARALLEL LINES	4" (100) WITH 12" (300) SPACINGS	SOLID	WHITE	SEE TYPICAL MEDIAN MARKING DETAIL
SHOULDER EDGE LINES	12" (300) x 45"	SOLID	WHITE - RIGHT YELLOW - LEFT	10' IS IN LINE WITH 30' IN SPACE FOR RIGHT TURN LANE AND 30' IN SPACE FOR LEFT TURN LANE

TYPICAL TURN LANE MARKING

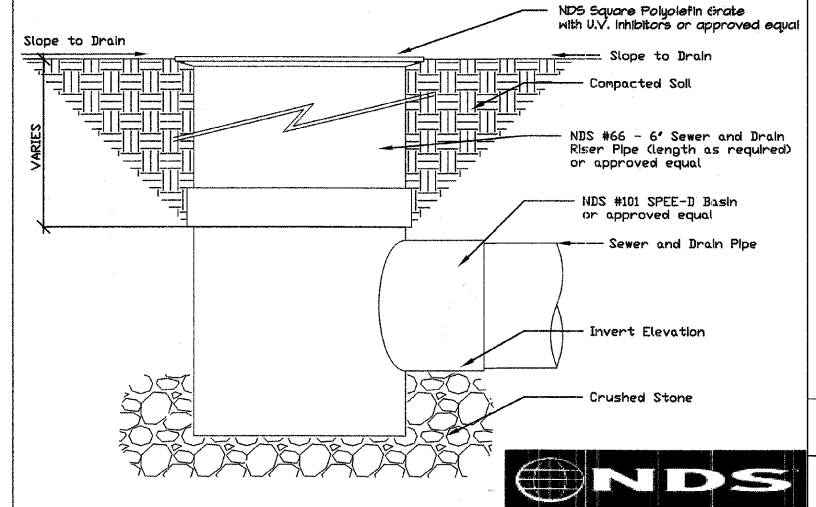


TYPICAL CROSSWALK MARKING

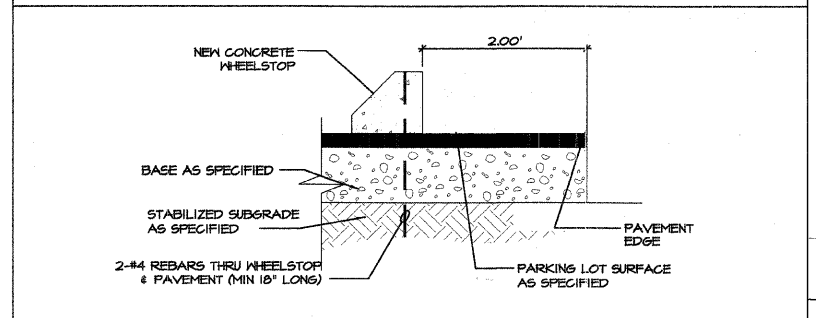


TYPICAL LEFT OR RIGHT TURN LANE MARKING

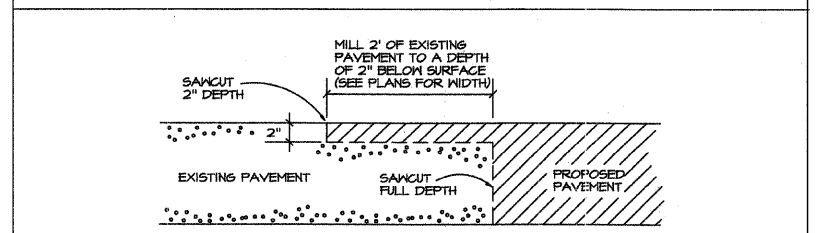
ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS



NDS ROUND GRATE WITH NDS SPEED-D BASIN



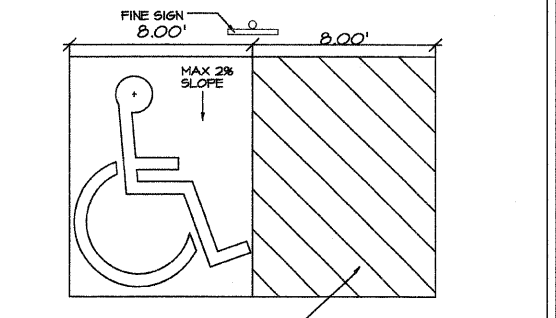
DETAIL - WHEEL STOP



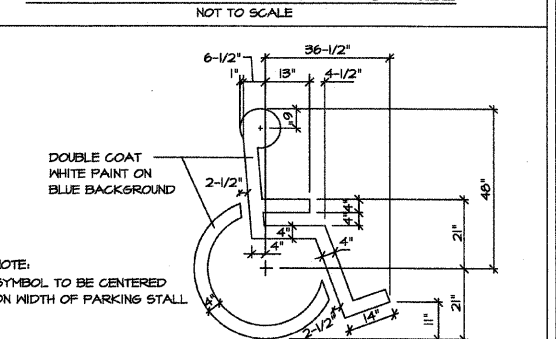
DETAIL-BUTT JOINT



DETAIL- HANDICAP SIGN



DETAIL-ADA HANDICAP STALL



DETAIL-HANDICAP SYMBOL

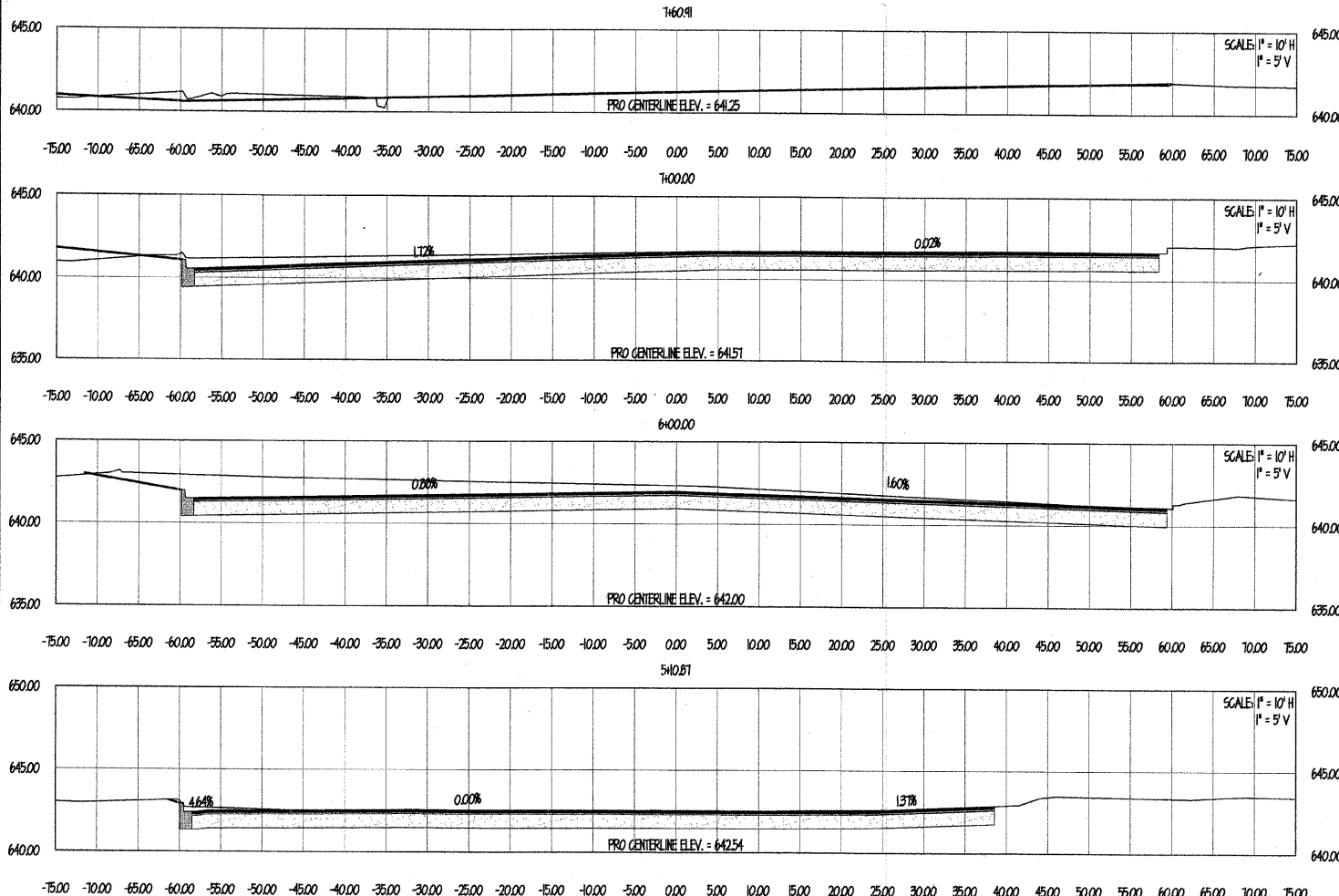
W-T CIVIL ENGINEERING, LLC.  
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www.wtengineering.com  
IL License No.: 184-003492 Exp: 04/30/09

SPRING ROCK PARK  
CENTRAL AVE & 47TH ST  
WESTERN SPRINGS, IL

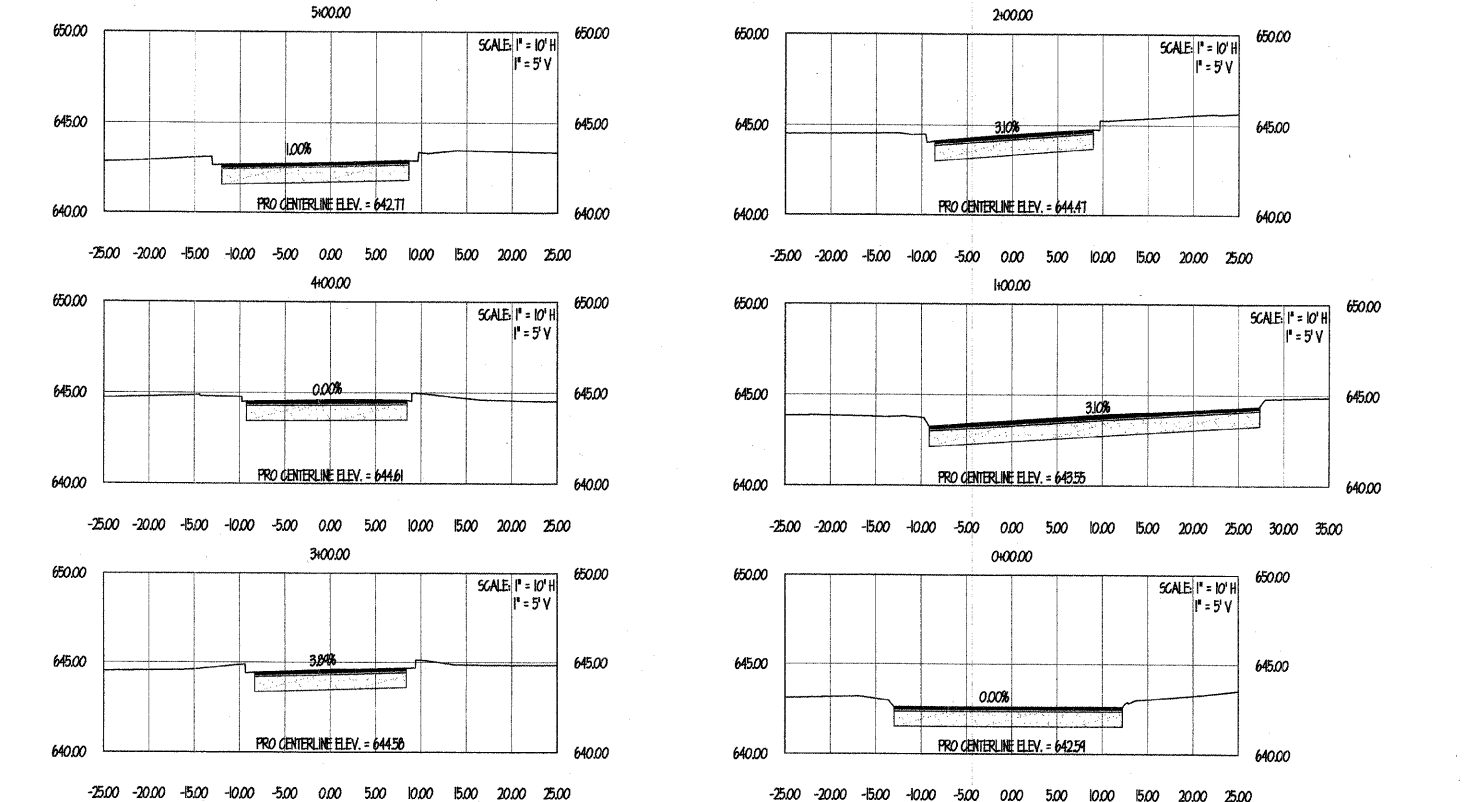
DATE: 05/23/08  
SCALE: 1" = 50'  
DRAWN: JFG  
CHECK: TOA  
JOB: CE06316  
SHEET: 25 OF 26



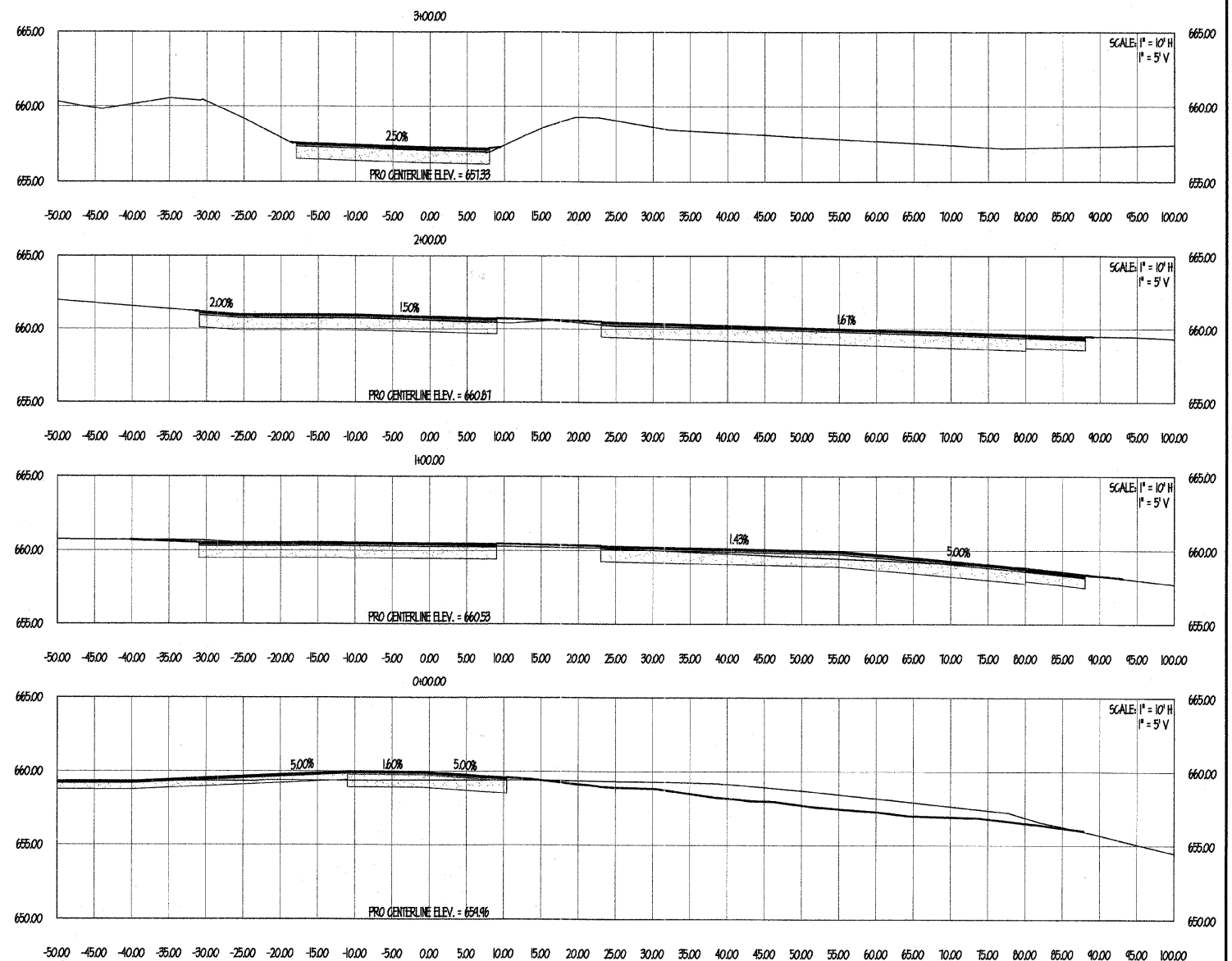
WEST LOT



DRIVEWAY



EAST LOT



NOTE: EXISTING PAVEMENT TO BE REMOVED AND REPLACED.  
SEE GEOTECHNICAL REPORT FOR DETAILS.

F.A. RTE.	SECTION	COUNTY
--	05-P4086-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

BY	DATE	REVISIONS
JPG	6-18-08	PER IDOT COMMENTS
JPG	6-24-08	PER IDOT COMMENTS
JPG	7-18-08	PER IDOT COMMENTS
JPG	7-25-08	PER IDOT COMMENTS

W-T CIVIL ENGINEERING, LLC.  
CIVIL AND STRUCTURAL ENGINEERS  
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CROSS SECTION SHEET

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JPG
CHECK:	TOA
JOB:	CE06316
SHEET	26 OF 26

FIELD ENGINEER: MARILYN SOLOMON 847-705-4407