

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SURFACE TRANSPORTATION PROGRAM / URBAN

**PLANS FOR PROPOSED
 EAST GRANT STREET IMPROVEMENTS**

F.A.U. ROUTE 6921
 SECTION 04-00135-00-RS
 McDONOUGH COUNTY
 PROJECT M-5040 (007)
 JOB NO. C-94-065-04

INDEX OF SHEETS

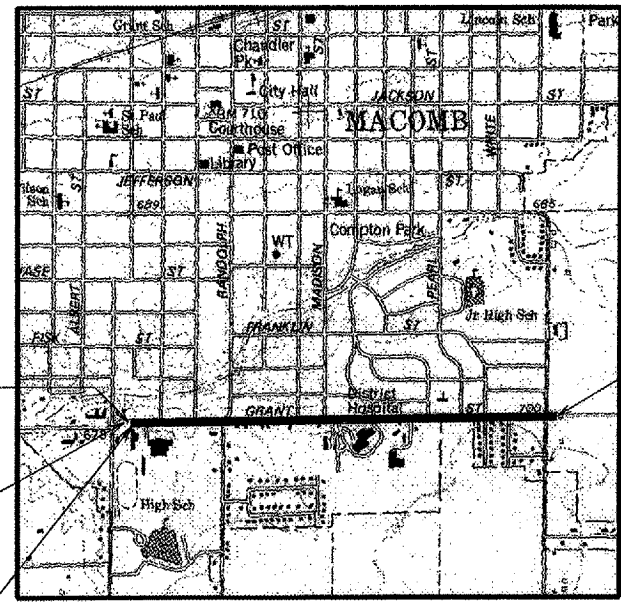
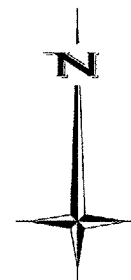
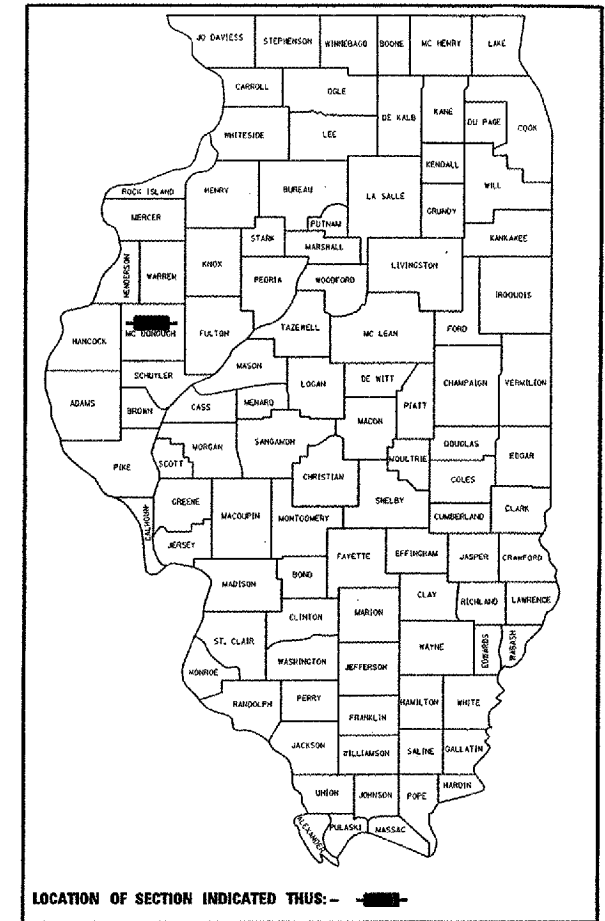
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SCALES

PLAN	1 INCH = 20 FEET	
PROFILE HORIZ.	1 INCH = 20 FEET	
PROFILE VERT.	1 INCH = 5 FEET	
CROSS SECTIONS HORIZ.	1 INCH = 10 FEET	
CROSS SECTIONS VERT.	1 INCH = 5 FEET	

STANDARDS

280001-02	604036-01
424001-03	606001-02
442201-01	701001-01
602301	701006-02
602401	701301-02
602601	701306-01
604001-02	701501-03
604006-02	702001-05
604011-02	720006
604031-01	780001-01



OMISSION
 STATION 997+39.00 TO
 STATION 1000+00.00

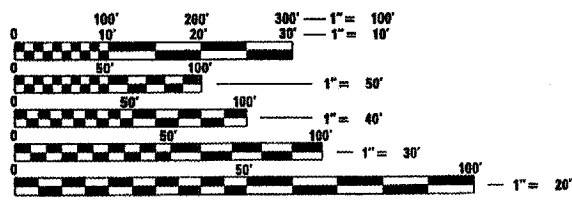
BEGIN IMPROVEMENTS
 SECTION 04-00135-00-RS
 STATION 997+39.00

STATION EQUATION
 STATION 1000+00.00 BK.=
 STATION 1+00.00 AHD.

END IMPROVEMENTS
 SECTION 04-00135-00-RS
 STATION 53+40.00



PREPARED BY *WJS*
 DATE FEB 24, 2005



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

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

LENGTH OF PROJECT = 5,501.00 FEET = 1.042 MILES
 NET LENGTH OF IMPROVEMENT = 5,240.00 FEET = 0.992 MILES
 DESIGN CLASS: MINOR ARTERIAL - ADT = 6500
 DESIGN SPEED: 30 MPH
 DESIGN GUIDELINES: 3R,FAPLHI

CONTRACT NO. 89337



BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1970 W. Lafayette Ave. Jacksonville IL 62850
 217-248-4146

APPROVED 2-25 2005
Michael J. Ireland
 LOCAL AGENCY/CITY OF MACOMB (MAYOR)

PASSED MARCH 14 2005
L Scott Laballe
 DISTRICT ENGINEER OF LOCAL ROADS & STREETS

Releasing For
 Bid Based on
 Limited Review March 14 2005
J. Malone
 DEPUTY DIRECTOR OF HIGHWAYS
 REGION THREE ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE OWNER AND THE INDICATED ADJUSTMENTS ARE CONSIDERED TO BE REASONABLY ACCURATE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY, AS DETAILED IN SECTION 563 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ITS OFFICERS, AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS OR HER CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

ALL EXISTING PUBLICLY AND PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED UNLESS OTHERWISE NOTED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENT ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY SAID UTILITY ADJUSTMENTS.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCE THEIR LOCATIONS.

DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOAD LIMITS ESTABLISHED BY THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY LUGS, CLEATS ON TREADS, WHEELS OR EQUIPMENT OR BY EXCESSIVE WEIGHTS AND LOADS.

STOCKPILING OF MATERIALS WILL BE ALLOWED ON CITY PROPERTY AT MUTUALLY AGREEABLE LOCATIONS, NO STOCKPILING OF MATERIALS SHALL BE ALLOWED ON THE TRAVELED SURFACE OF EXISTING ROADS AND HIGHWAYS THAT ARE OPEN TO TRAFFIC.

EXISTING PAVEMENT, SIDEWALK, AND CURB AND GUTTER, DAMAGED DUE TO THE CONTRACTORS NEGLIGENCE SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

TRENCH BACKFILL SHALL BE PROVIDED UNDER ALL ROADWAY SURFACES, DRIVEWAYS AND SIDEWALKS.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT PROJECT.

ALL PROPOSED PAVEMENT WIDTHS SHOWN ON THE PLANS ARE MEASURED FACE TO FACE OF CURBS AND ALL ALIGNMENT CALCULATIONS HAVE BEEN MADE ON THE FACE OF THE PROPOSED CURB, UNLESS OTHERWISE NOTED ON THE PLANS. ALL ELEVATIONS SHOWN REFER TO THE U.S.G.S. DATUM AT MEAN SEA LEVEL.

THE NOMINAL THICKNESS FOR THE BASE BITUMINOUS BINDER AND SURFACE COURSE ARE SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.

DOMESTIC CURB BOXES OR WATER METER VAULTS ENCOUNTERED WHICH REQUIRE ADJUSTING SHALL BE ADJUSTED SO THAT THE TOP OF THE BOX OR VAULT IS FLUSH WITH THE FINISHED GRADE. COST OF THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE COST OF EARTH EXCAVATION.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

THE REMOVAL OF BITUMINOUS SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.

WHEREVER IT IS NECESSARY TO REMOVE EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, IT SHALL BE REMOVED AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ENGINEER WILL NOT BE RESPONSIBLE FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERETO, AND THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM OR FURNISH THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

LEGEND

- GUY WIRE
- POWER POLE
- SIGN
- MAILBOX
- TELEPHONE PEDESTAL
- TREE & SIZE
- WATER MAIN
- GAS MAIN
- SANITARY SEWER
- STORM SEWER
- INLET
- POWER POLE TO BE MOVED
- WATER METER VAULT
- WATER VALVE
- MANHOLE
- GAS VALVE
- WATER METER VAULT TO BE MOVED
- FIRE HYDRANT
- TREE TO BE REMOVED
- PROPOSED MANHOLE
- PROPOSED INLET
- SURFACE REMOVAL - BUTT JOINT
- SURFACE REMOVAL - ROTO-MILL
- CLASS D PATCH
- PAVEMENT WIDENING
- P.C. CONCRETE DRIVEWAY PAVEMENT
- TRENCH BACKFILL

RATES OF APPLICATION TABLE	
AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)	2.05 TON / CU YD
STONE DUMPED RIPRAP	1.75 TON / CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08 GALLON / SQ YD
AGGREGATE (PRIME COAT)	0.002 TON / SQ YD
BITUMINOUS SURFACE / BINDER (112 LBS)	0.056 TON / SQ YD * IN
BITUMINOUS SURFACE MIX D OR E (112 LBS)	0.056 TON / SQ YD * IN
SEEDING AREAS:	
NITROGEN FERTILIZER NUTRIENT	90 LBS / ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS / ACRE
AGGRICULTURAL GROUND LIMESTONE	2 TON / ACRE
MULCH	2 TON / ACRE

UTILITIES

- J.U.L.I.E. - (800) 892-0123
[REQUIRES 48 HOURS ADVANCE NOTICE]
- WATER - CITY OF MACOMB PUBLIC WORKS
233 CENTER STREET
(309) 833-2821
- GAS - AMEREN / C.I.P.S.
(888) 789-2477
- ELECTRIC - AMEREN / C.I.P.S.
(888) 789-2477
- SEWER - CITY OF MACOMB PUBLIC WORKS
233 CENTER STREET
(309) 833-2821
- TELEPHONE - VERIZON
(800) 892-0123
- CABLE - INSIGHT COMMUNICATIONS
1504 EAST JACKSON STREET
MACOMB, ILLINOIS 61455
(309) 833-4539


THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S)	SURFACE COURSE	BINDER COURSE
AC/PG	SBS PG70-28	SBS PG70-28
RAP % (MAX)		
DESIGN AIR VOIDS	4.2% @ NDESIGN 50	4.2% @ NDESIGN 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19.0
FRICTION AGGREGATE	MIX D	N/A

DRAWN BY <u>M.G.M.</u> CHECKED BY <u>D.B.H.</u> APPROVED BY <u>W.J.S.</u> DATE <u>JANUARY, 2005</u>	GENERAL NOTES AND LEGEND EAST GRANT STREET IMPROVEMENTS
REVISIONS DATE BY	MACOMB, ILLINOIS Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852
FIELD BOOK:	SCALE: JOB NO. <u>04e1466</u> SHEET <u>2</u> OF <u>66</u>

CODENO.	SUMMARY OF QUANTITIES		CONSTRUCTION TYPE CODE	
	ITEM	UNITS	TOTAL	I000-2A
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	84	84
20200100	EARTH EXCAVATION	CU. YD.	617	617
20400800	FURNISHED EXCAVATION	CU. YD.	142	142
* 20800150	TRENCH BACKFILL	CU. YD.	110	110
25000100	SEEDING, CLASS 1	ACRE	1.2	1.2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	110	110
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	110	110
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	110	110
25100105	MULCH, METHOD 1	ACRE	1.2	1.2
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	122	122
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	717	717
* 35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ. YD.	841	841
* 35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ. YD.	102	102
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1083	1083
40600300	AGGREGATE (PRIME COAT)	TON	27	27
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ. YD.	743	743
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ. YD.	97	97
40600990	TEMPORARY RAMP	SQ. YD.	352	352
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ. YD.	26	26
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ. YD.	884	884
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ. FT.	23,840	23,840
* 44000300	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ. YD.	9456	9456
* 44000100	PAVEMENT REMOVAL	SQ. YD.	1513	1513
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ. YD.	691	691
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5960	5960
44000600	SIDEWALK REMOVAL	SQ. FT.	8513	8513
44003100	MEDIAN REMOVAL	SQ. FT.	230	230


* SEE SPECIAL PROVISIONS

DRAWN BY J.J.S.		SUMMARY OF QUANTITIES EAST GRANT STREET IMPROVEMENTS	
CHECKED BY L.L.Q.			
APPROVED BY W.J.S.			
DATE JANUARY, 2005			
REVISIONS		MACOMB, ILLINOIS	
DATE	BY	 Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852.	
3/7/05	M.G.M.		
FIELD BOOK:	SCALE:	JOB NO. 04e1486	SHEET 3 OF 66

CODE NO.	SUMMARY OF QUANTITIES		CONSTRUCTION TYPE CODE	
	ITEM	UNITS	TOTAL	1000-2A
* 44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ. YD.	3	3
* 44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ. YD.	52	52
* 44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ. YD.	53	53
* 44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ. YD.	476	476
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ. YD.	21,885	21,885
* 55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	6	6
* 55019900	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 24"	FOOT	14	14
* 55020100	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 30"	FOOT	17	17
55101200	STORM SEWER REMOVAL 24"	FOOT	19	19
55101400	STORM SEWER REMOVAL 30"	FOOT	21	21
++ * 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	2	2
* 56500100	DOMESTIC METER VAULTS TO BE MOVED	EACH	1	1
* 60101605	PIPE DRAINS 4" (SPECIAL)	FOOT	110	110
* 60228110	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
* 60223100	MANHOLES, TYPE A, SPECIAL, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1
* 60244010	INLETS, SPECIAL, WITH TYPE 7 GRATE	EACH	1	1
* 60255500	MANHOLES TO BE ADJUSTED	EACH	24	24
* 60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	6	6
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	13	13
60260505	INLETS TO BE ADJUSTED WITH NEW TYPE 3V FRAME AND GRATE	EACH	1	1
* 60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	20	20
60500040	REMOVING MANHOLES	EACH	2	2
60500060	REMOVING INLETS	EACH	3	3
60600605	CONCRETE CURB, TYPE B	FOOT	155	155


* SEE SPECIAL PROVISIONS

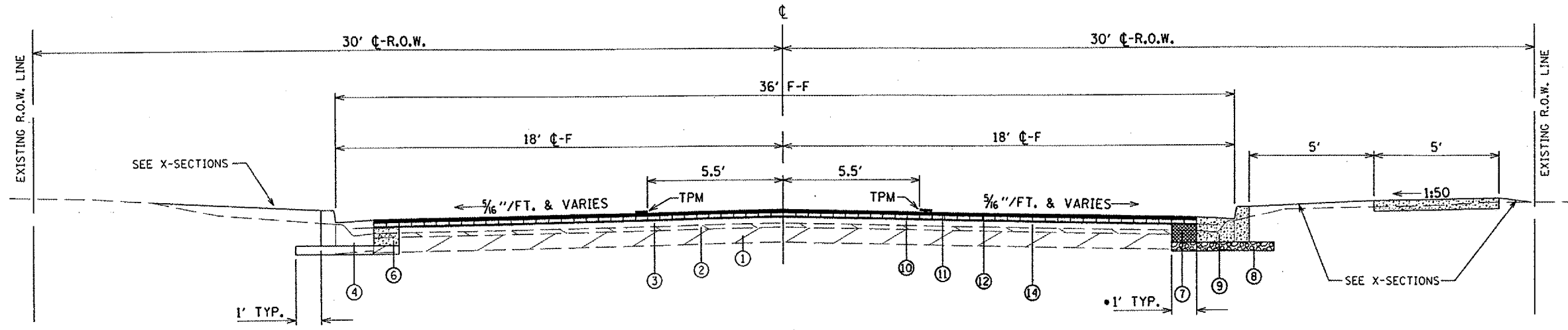
++ THESE ITEMS ARE TO BE CONSIDERED SPECIALTY ITEMS

DRAWN BY <u>J.J.S.</u> CHECKED BY <u>L.L.Q.</u> APPROVED BY <u>W.J.S.</u> DATE <u>JANUARY, 2005</u>	SUMMARY OF QUANTITIES EAST GRANT STREET IMPROVEMENTS
REVISIONS DATE BY	MACOMB, ILLINOIS
FIELD BOOK:	 Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852
SCALE:	JOB NO. <u>04e1466</u> SHEET <u>4</u> OF <u>66</u>

CODE NO.	SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE
	ITEM	UNITS	TOTAL	1000-2A
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	48	48
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	6053	6053
* 60604900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (VARIABLE WIDTH GUTTER FLAG)	FOOT	540	540
* 70103700	TRAFFIC CONTROL COMPLETE	L. SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1592	1592
++ 70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ. FT.	686	686
++ 70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	13,275	13275
++ 70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	778	778
++ 70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	347	347
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ. FT.	8796	8796
++ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	3	3
++ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ. FT.	686	686
++ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	13,275	13275
++ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	778	778
++ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	347	347
* Z0013798	CONSTRUCTION LAYOUT	L. SUM	1	1
* XX000172	ROUTING AND SEALING CRACKS	FOOT	360	360
* XX001386	SANITARY SEWER, P.V.C, 8"	FOOT	10	10
* XX002029	SANITARY SEWER REMOVAL, 8"	FOOT	10	10
* XX003803	SANITARY SEWER SERVICE 6"	FOOT	50	50
* XX004699	SANITARY SEWER REMOVAL AND REPLACEMENT 12"	FOOT	70	70
* X4066524	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N50	TON	1838	1838
* X406654	POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-10.0, N50	TON	1906	1906
* X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	2	2

* SEE SPECIAL PROVISIONS
 ++ THESE ITEMS ARE TO BE CONSIDERED SPECIALTY ITEMS

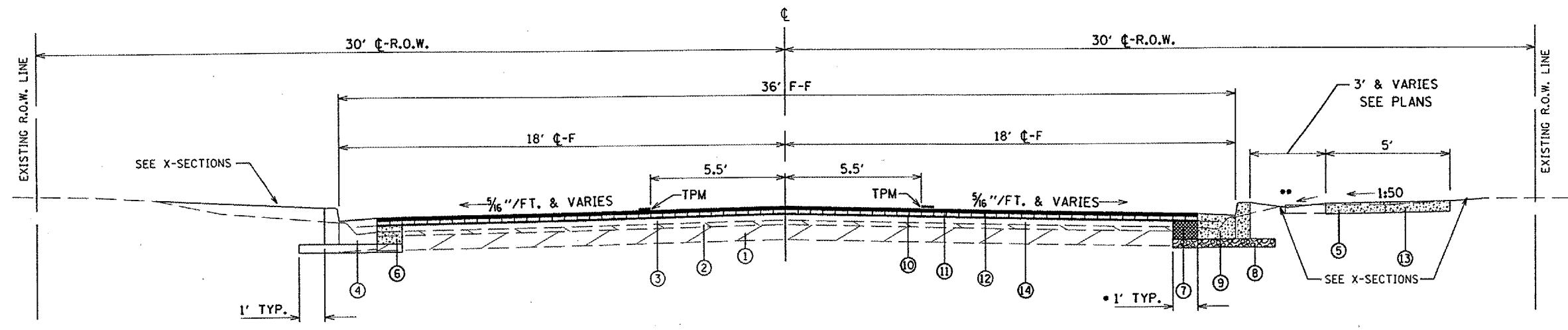
DRAWN BY J.J.S.		SUMMARY OF QUANTITIES EAST GRANT STREET IMPROVEMENTS
CHECKED BY L.L.Q.		
APPROVED BY W.J.S.		
DATE JANUARY, 2005		
REVISIONS		MACOMB, ILLINOIS
DATE	BY	 Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852
3/7/05	M.G.H.	
FIELD BOOK	SCALE:	JOB NO. 04e1466 SHEET 5 OF 66



PREVIOUSLY CONSTRUCTED
 AS SEC. 40 C.S.

PROPOSED TYPICAL SECTION - GRANT STREET

STA. 24+00.00 TO 33+10.00
 (EXCEPT INTERSECTIONS AND TRANSITIONS)
 NOT TO SCALE



PREVIOUSLY CONSTRUCTED
 AS SEC. 40 C.S.

PROPOSED TYPICAL SECTION - GRANT STREET

STA. 13+00.00 TO 24+00.00
 (EXCEPT INTERSECTIONS AND TRANSITIONS)
 NOT TO SCALE

• NOTE: UNLESS SHOWN OTHERWISE
 ON PLAN
 •• PROPOSED SWALE STA. 13+00 TO 18+00
 RIGHT SIDE ONLY

- ① EXISTING CRUSHED STONE BASE COURSE, 7"
- ② EXISTING BITUMINOUS SURFACE, 2"
- ③ EXISTING BITUMINOUS SURFACE OVERLAY, 3"
- ④ EXISTING CONCRETE CURB & GUTTER (TO BE REMOVED) (BOTH SIDES)
- ⑤ EXISTING CONCRETE SIDEWALK (TO BE REMOVED)
- ⑥ PROPOSED P.C.C. BASE COURSE 9" (BOTH SIDES)
- ⑦ PROPOSED PAVEMENT REMOVAL (BOTH SIDES)
- ⑧ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 4" (BOTH SIDES)
- ⑨ PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE B-6.18 (BOTH SIDES)
- ⑩ PROPOSED AREA REFLECTIVE CRACK CONTROL TREATMENT
- ⑪ PROPOSED POLYMERIZED BIT. CONC. BINDER CSE., SUPERPAVE, IL-19.0, N50, 2 1/4"
- ⑫ PROPOSED POLYMERIZED BIT. CONC. SURF. CSE., SUPERPAVE, MIX "D", N50, 1 1/2"
- ⑬ PROPOSED P.C. CONCRETE SIDEWALK, 5 INCH
- ⑭ PROPOSED BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)

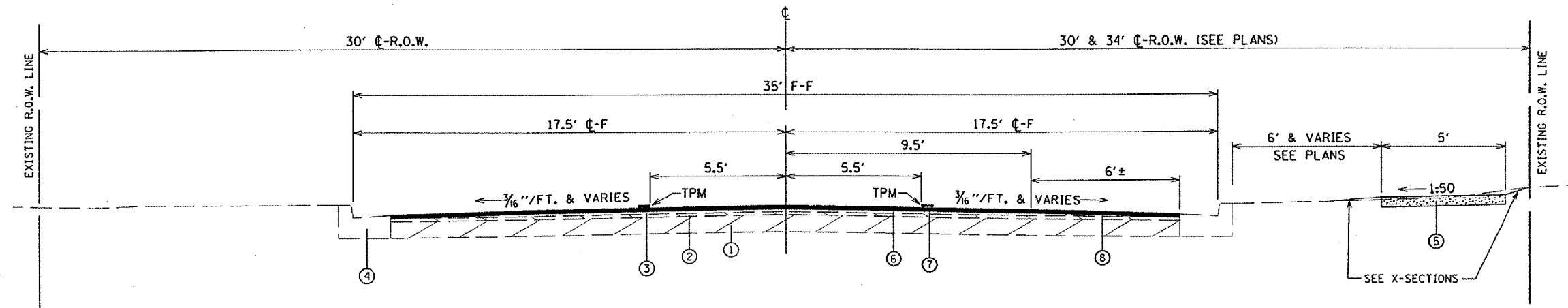
•• BITUMINOUS SURFACE REMOVAL SHALL BE AS
 LOCATED IN THE PLANS AND AS DIRECTED BY
 THE ENGINEER. MILLED AREAS SHALL HAVE A
 MINIMUM DEPTH OF 3" AT THE GUTTER FLAG
 AND CROSS SLOPE SHALL BE AS SHOWN IN THE
 PLANS.

DRAWN BY M.G.M.		TYPICAL SECTIONS	
CHECKED BY D.B.H.			
APPROVED BY W.J.S.		EAST GRANT STREET IMPROVEMENTS	
DATE JANUARY, 2005			
REVISIONS			
DATE	BY		
3/7/05	M.G.M.		
FIELD BOOK		SCALE:	JOB NO. 04e1466 SHEET 8 OF 66

MACOMB, ILLINOIS

BA
 BENTON & ASSOCIATES INC

Consulting Engineers / Land Surveyors
 1970 West Lafayette Avenue
 Jacksonville, Illinois 62650
 Phone : 217-245-4148
 Fax : 217-245-4149
 IL Design Firm Registration No. 184-000852




PREVIOUSLY CONSTRUCTED
 AS SEC. 85-00093-00-FP.

PROPOSED TYPICAL SECTION - GRANT STREET

STA. 33+10.00 TO 53+40.00
 (EXCEPT INTERSECTIONS AND TRANSITIONS)
 NOT TO SCALE

- ① EXISTING BITUMINOUS BASE COURSE, 8"
- ② EXISTING BITUMINOUS CONC. BINDER CRSE., 1/2"
- ③ EXISTING BITUMINOUS CONC. SURFACE CRSE., 1/2"
- ④ EXISTING CONCRETE CURB & GUTTER (TO REMAIN) (BOTH SIDES)
- ⑤ PROPOSED P.C. CONCRETE SIDEWALK, 5 INCH
- ⑥ PROPOSED AREA REFLECTIVE CRACK CONTROL TREATMENT
- ⑦ PROPOSED POLYMERIZED BIT. CONC. SURF. CSE., SUPERPAVE, MIX "D", NSO, 1/2"
- ⑧ PROPOSED BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) (BOTH SIDES) - MILL MIN. 1/4" @ FLAG TO 0"

DRAWN BY <u>M.G.M.</u>		TYPICAL SECTIONS EAST GRANT STREET IMPROVEMENTS	
CHECKED BY <u>D.B.H.</u>			
APPROVED BY <u>W.J.S.</u>			
DATE <u>JANUARY, 2005</u>		MACOMB, ILLINOIS	
REVISIONS		 Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852	
DATE	BY		
FIELD BOOK	SCALE	JOB NO. <u>04e1466</u>	SHEET <u>9</u> OF <u>66</u>

CONTRACT NO. 89337

STATION	TO	STATION	SIDE	PORTLAND CEMENT CONCRETE BASE COURSE 9"	PORTLAND CEMENT CONCRETE BASE COURSE 10"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	AREA REFLECTIVE CRACK CONTROL TREATMENT	POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N50	PORTLAND CEMENT CONCRETE PAVEMENT 8"	MAINLINE
				SQ. YD.	SQ. YD.	GALLON	TON	SQ. YD.	TON	TON	SQ. YD.	
0+99.50		1+25.00	LT			4	0.10	50.3	7.0	4.2		MAINLINE
0+99.50		4+35.60	LT	37.34								MAINLINE
1+00.50		1+25.00	RT			3.9	0.10	49.0	6.9	4.1		MAINLINE
1+00.50		2+98.59	RT	18.68								MAINLINE
1+25.00		2+28.50	LT & RT			16.6	0.41	207.0	29.0	17.4		MAINLINE
2+28.50		2+68.59	RT			6.8	0.17	84.8	11.9	7.1		MAINLINE
2+28.50		9+34.70	LT			112.5	2.81	1406.2	196.8	118.2		MAINLINE
2+68.59		3+28.00	RT			10.1	0.25	125.7	17.6	10.6		ARMORY ENTRANCE
2+68.59		3+28.00	RT	7.7		5.9	0.14	72.6	10.1	6.1		MAINLINE
3+08.00		3+08.00	RT	0.56								MAINLINE
3+28.00		11+73.56	RT			128.7	3.22	1608.0	225.1	135.1		MAINLINE
3+28.00		11+73.56	RT	93.95								MAINLINE
4+35.60		4+81.10	LT			7.5	0.18	93.5	13.1	7.8		MCARTHUR STREET
4+53.60		4+50.59	LT	2.88								MAINLINE
4+82.60		4+97.60	LT	2.88								MAINLINE
4+97.60		8+60.45	LT	40.32								MAINLINE
8+60.45		9+34.70	LT	7.0		10.2	0.25	126.9	17.7	10.6		LAFAYETTE STREET
8+75.10		8+75.12	LT	0.30								MAINLINE
9+34.70		11+95.13	LT	28.9		38.2	0.95	477.5	66.8	40.1		MAINLINE
11+73.56		13+34.52	RT	17.7		25.4	0.53	408.7	56.9	34.1	25.6	MAPLE AVENUE
11+73.56		33+10.00	RT			313.3	7.83	3916.8	548.4	329.0		MAINLINE
11+95.13		13+28.93	LT	22.0		25.4	0.64	318.0	44.5	26.7		RANDOLPH STREET
11+95.13		21+00.00	LT			132.7	3.32	1658.9	232.2	139.3		MAINLINE
13+28.93		21+00.00	LT	171.35								MAINLINE
13+34.52		25+83.10	RT	138.73								MAINLINE
21+00.00		33+10.00	LT			180.2	4.50	2251.6	315.3	189.1		MAINLINE
21+33.72		22+20.93	LT	2.1	74.25	14.4	0.36	179.4	25.1	15.1		DUDLEY STREET
22+50.00		24+83.86	LT	38.98								MAINLINE
24+83.86		25+43.84	LT	4.3		9	0.22	112.8	15.8	9.4		MADISON STREET
24+98.86		24+99.54	LT	1.90								MAINLINE
25+28.35		25+28.84	LT	1.88								MAINLINE
25+28.84		25+43.84	LT	2.88								MAINLINE
25+43.84		30+90.69	LT	60.76								MAINLINE
25+83.10		26+42.20	RT		27.32	7.9	0.20	97.7	13.7	8.2		MEDICAL CLINIC ENT.
26+42.20		27+07.33	RT	3.5		5.4	0.14	68.0	9.5	5.7		HOSPITAL ENTRANCE
27+07.33		27+37.17	RT	3.32								MAINLINE
27+37.17		27+90.17	RT	5.8		4	0.10	51.4	7.2	4.3		HOSPITAL ENTRANCE
28+37.84		29+24.38	RT	5.3		1.2	0.03	14.4	2.0	1.2		MAINLINE
28+37.84		29+30.99	RT	6.5		6.1	0.15	74.9	10.5	6.3		HOSPITAL ENTRANCE
29+30.99		32+39.89	RT	34.32								MAINLINE
30+90.69		31+49.70	LT	5.8		6.7	0.16	83.9	11.7	7.0		KATHY AVENUE
31+05.69		31+05.74	LT	0.83								MAINLINE
31+34.89		31+34.70	LT	0.72								MAINLINE
31+49.70		33+10.00	LT	17.81								MAINLINE
32+39.89		33+10.00	RT	8.7		6.6	0.16	81.5	11.3	6.8		MAIN HOSPITAL ENTRANCE
33+10.00		53+40.00	LT & RT					7217.8		606.3		MAINLINE
34+00.00		35+00.00	RT	11.11								MAINLINE
35+61.83		36+12.62	RT	2.78				103.0		8.7		DOCTORS LANE
36+56.00		36+76.00	LT	2.22								MAINLINE
37+95.00		38+26.00	LT					89.2		7.5		MADLYN AVENUE
38+73.00		38+98.00	RT	2.78								MAINLINE
38+98.00		39+59.46	RT	4.33				94.5		7.9		MADLYN AVENUE
42+02.50		42+38.70	LT					177.5		14.9		PEARL STREET
44+19.00		44+43.00	RT	2.67								MAINLINE
44+99.53		45+39.92	RT	2.48				93.9		7.9		JAMIE LANE
45+05.00		45+36.00	LT					89.7		7.5		JAMIE LANE
45+73.30		45+99.30	RT	2.89								MAINLINE
47+98.90		48+58.49	RT	4.42				94.9		8.0		PENNYOAKS DRIVE
50+04.15		50+36.65	RT	3.51								MAINLINE
50+87.50		50+87.50	LT	1.11								MAINLINE
51+42.00		51+74.00	RT	3.56								MAINLINE
52+55.46		53+05.90	RT	1.11				154.5		13.0		CANDY LANE
52+77.30		53+07.20	LT					152.6		12.8		CANDY LANE
TOTAL				840.82	101.57	1,082.7	27.02	21,885.1	1,906.1	1,838.0	25.6	

STATION	TO	STATION	OFFSET	SUB-BASE GRANULAR MATERIAL, TYPE B	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	CONCRETE CURB, TYPE B	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-8.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-8.18	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-8.18 (VARIABLE WIDTH GUTTER FLAG)	REMARKS
				TON	SQ. FT.	FOOT	FOOT	FOOT	FOOT	
0+99.50		4+50.59	LT	35.0				359.5		BEGINNING TO MCARTHUR
1+00.50		2+88.50	RT	20.2	1094.1			168.1	33.8	BEGINNING TO ENTRANCE
3+08.00		301+40.00 (MAPLE)	RT	95.2	5407.6			845.6	106.4	ENTRANCE TO MAPLE
4+82.60		8+75.12	LT	41.4				447		MCARTHUR TO LAFAYETTE
9+08.24		400+60.16 (RANDOLPH)	LT	38.1				260.4	84.5	LAFAYETTE TO RANDOLPH
301+40.00 (MAPLE)		26+08.1	RT	138.6	5889.5	40.3		1248.6	85.3	MAPLE TO HOSPITAL ENT.
400+80.00		500+60.00 (DUDLEY)	LT	124.2	78.0			858.9	68.8	RANDOLPH TO DUDLEY
500+60.00 (DUDLEY)		24+99.54	LT	42.8			17.1	317.4	23.5	DUDLEY TO MADISON
25+28.35		31+05.69	LT	61.4			24.4	548.9	46.9	MADISON TO KATHY
28+27.15		32+59.89	RT	55.9	2588.2	115.1		438.7	33.4	HOSPITAL ENTRANCES
31+34.89		31+34.89	LT	18.8			6.5	180.3	23.8	KATHY TO STA 33+10.00
35+56.00		36+76.00	LT	2.0						CURB REPLACEMENT
32+83.84		35+68.72	RT	15.2	1246.5			115.9	35.6	HOSPITAL TO DOCTORS LN
36+05.76		39+13.27	RT	5.5	1500.0			54.3		DOCTORS LANE TO MADLYN
39+52.88		45+04.17	RT	5.4	2850.5			53.4		MADLYN TO JAMIE
45+35.50		48+05.54	RT	4.9	1044.9			48		JAMIE TO PENNYOAKS
48+38.81		52+63.69	RT	11.1	1860.5			109.6		PENNYOAKS TO CANDY LN
500+28.50 (DUDLEY)		500+83.00 (DUDLEY)	RT		280.5					RAMP
TOTAL				716.7	23840.3	155.4	48.0	6052.6	540.0	

STATION	SIDE	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ YD
6+08.00	LT		13.6
9+01.00	RT		17.4
14+12.70	RT		23.2
14+47.40	LT		24.9
15+38.30	LT		15.4
15+49.00	RT		19.3
15+79.30	LT		15.9
17+01.20	RT		15.4
17+14.30	LT		13.6
18+06.65	LT		12.1
18+32.00	RT		17.4
18+60.00	RT		25.0
18+95.00	RT		25.0
19+20.30	LT		15.4
20+31.00	RT		11.7
20+76.15	LT		14.0
23+56.00	LT		25.8
24+16.80	RT		22.2
24+20.30	LT		22.1
25+29.36	LT-MADISON		12.2
26+64.00	LT		21.1
26+54.00	LT-PARKING		19.6
27+07.00	LT		21.1
27+07.00	LT-PARKING		16.7
28+09.00	LT		21.1
28+09.00	LT-PARKING		21.1
28+76.00	LT		21.1
28+76.00	LT-PARKING		15.3
29+34.00	LT		27.9
29+34.00	LT-PARKING		13.4
30+00.00	LT		42.2
32+54.50	LT		13.6
32+81.00	LT		14.5
34+26.00	RT		73.2
44+31.00	RT		31.2
45+86.30	RT		62.2
50+20.40	RT		46.3
51+58.00	RT		40.4
TOTAL			883.6

STATION	TO	STATION	SIDE	EARTH EXCAVATION	FURNISHED EXCAVATION
				CU. YD.	CU. YD.
1+00.00		53+40.00	LT & RT	617	142
TOTAL				617	142

DRAWN BY D.B.H.
 CHECKED BY M.G.M.
 APPROVED BY W.J.S.
 DATE FEBRUARY 24, 2005

SCHEDULE OF QUANTITIES
EAST GRANT STREET IMPROVEMENTS

MACOMB, ILLINOIS

B&A
 BENTON & ASSOCIATES INC


Consulting Engineers / Land Surveyors
 1970 West Lafayette Avenue
 Jacksonville, Illinois 62650
 Phone : 217-245-4148
 Fax : 217-245-4149
 IL Design Firm Registration No. 184-000852

FIELD BOOK: _____ SCALE: _____ JOB NO. 04e1466 SHEET 10 OF 88

STATION	TO STATION	SIDE	BITUMINOUS SURFACE REMOVAL - BUTT JOINT SQ. YD.	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT SQ. YD.	TEMPORARY RAMP SQ. YD.	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) SQ. YD.	REMARKS
1+00.00	1+75.00	RT & LT	39.4		17.8	258.8	
2+88.80	3+07.27	RT		20.5	8.8		
4+25.00	6+50.00	RT				450.0	
4+52.73	4+80.16	LT	30.5		13.0		MCARTHUR
4+67.00	6+00.00	LT				73.9	
6+08.00	7+00.00	LT				25.6	
6+50.00	7+25.00	RT				141.6	
7+75.00	9+25.00	RT				276.0	
8+75.00	9+25.00	LT				95.8	
8+75.00	9+07.00	LT				90.8	
8+76.54	9+03.78	LT	30.3		12.2		LAFAYETTE
12+00.00	12+60.00	RT				198.0	
12+35.00	12+64.00	LT				243.3	
12+75.00	15+00.00	LT				375.0	
14+75.00	15+75.00	RT				155.5	
18+00.00	18+75.00	RT				105.5	
18+75.00	19+75.00	RT & LT				366.7	
20+25.00	20+40.00	RT				27.5	
25+00.00	25+27.35	LT	29.8		13.4	66.2	MADISON
25+75.00	26+00.00	RT				38.9	
25+75.00	26+40.00	LT				97.5	
26+00.00	27+00.00	RT				203.7	
26+08.10	26+27.15	RT	21.2		9.5		MEDICAL CLINIC
26+43.80	26+95.30	RT	57.4		22.0		HOSPITAL ENTRANCE
26+40.00	27+00.00	LT				100.0	
27+00.00	32+50.00	RT & LT				2016.7	
27+44.70	27+80.00	RT				16.8	
27+48.27	27+77.74	RT	32.7		11.8		HOSPITAL ENTRANCE
28+49.50	29+17.00	RT				30.8	
28+56.86	29+12.54	RT	61.9		21.9		HOSPITAL ENTRANCE
31+06.80	31+34.00	LT				53.5	
31+06.74	31+33.89	LT	30.2		13.6		KATHY
32+50.00	33+10.00	RT				75.0	
32+50.00	32+81.00	LT				40.3	
32+60.15	32+83.69	RT		26.2	11.0		MAIN HOSPITAL ENTRANCE
32+81.00	52+50.00	LT				1422.1	
33+10.00	52+50.00	RT				1401.1	
35+69.10	36+05.10	RT				63.0	DOCTORS LANE
35+70.07	36+04.23	RT	38		16.2		DOCTORS LANE
37+95.00	38+26.00	LT				54.8	MADLYN AVE.
37+96.09	38+24.98	LT	32.1		13.4		MADLYN AVE.
39+17.00	39+49.40	RT				58.5	MADLYN AVE.
39+18.04	39+48.47	RT	33.8		14.3		MADLYN AVE.
42+02.50	42+38.70	LT				137.3	PEARL STREET
42+02.96	42+38.33	LT	39.3		17.3		PEARL STREET
45+03.60	45+36.00	RT				57.9	JAMIE LANE
45+04.53	45+34.99	RT	33.8		14.3		JAMIE LANE
45+05.00	45+36.00	LT				55.2	JAMIE LANE
45+06.14	45+35.28	LT	32.4		13.5		JAMIE LANE
48+05.80	48+38.50	RT				58.5	PENNYOAKS DR.
48+06.71	48+37.52	RT	34.2		14.5		PENNYOAKS DR.
52+50.00	53+30.00	RT & LT				284.4	
52+75.70	53+05.90	RT				121.0	CANDY LANE
52+76.17	53+05.45	RT	32.5		14.2		CANDY LANE
52+77.30	53+07.20	LT				119.4	CANDY LANE
52+77.80	53+06.11	LT	31.5		13.9		CANDY LANE
53+30.00	53+40.00	RT & LT	36.7		16.1		
301+40.00 (MAPLE)	301+50.00 (MAPLE)	RT & LT		49.8	20.3		
400+70.00 (RANDOLPH)	400+80.00 (RANDOLPH)	RT & LT	32.9		14.5		
500+50.00 (DUDLEY)	500+60.00 (DUDLEY)	RT & LT	32.2		14.5		
TOTAL			742.8	96.5	352.0	9455.6	


STATION TO STATION	OFFSET	PAVEMENT REMOVAL SQ. YD.	DRIVEWAY PAVEMENT REMOVAL SQ. YD.	COMBINATION CURB AND GUTTER REMOVAL FOOT	SIDEWALK REMOVAL SQ. FT.	REMARKS	
0+99.50	4+50.59	LT	24.97		359.5		
4+82.60	8+75.12	LT	15.13		412.7		
9+08.24	400+60.16 RANDOLPH	LT	16.37		379.5		
400+60 RANDOLPH	21+64.00	LT	77.96	115.7	935.9	60.0	
21+92.00	24+99.54	LT	32.34	30.9	362.9		
25+28.35	31+05.74	LT	42.55	104.4	618.2	31.5	
31+34.70	33+10.00	LT	24.97	26	190.6		
36+56.00	36+76.00	LT	2.22		20.0		
50+87.50	50+97.50	LT	1.11		10.0		
1+00.00	2+88.50	RT	23.73		202.4	1052.1	
3+08.00	301+40 MAPLE	RT	789.06	10.1	93.5	3101.8	
301+40.00	26+08.10	RT	335.77	150.8	1350.8	4166.6	
26+27.18	28+64.22	RT	29.86		218.1		
29+08.01	32+59.89	RT	49.32		369.3	100.8	
32+83.84	35+00.00	RT	16.62	75.1	139.8		
35+81.83	35+68.72	RT	1.39		11.7		
36+05.76	36+12.62	RT	1.39		11.7		
38+73.00	39+13.27	RT	4.88		42.6		
39+52.91	39+69.46	RT	2.23		18.9		
44+19.00	44+43.00	RT	2.67	34.6	24.0		
44+99.53	45+04.17	RT	1.24		10.5		
45+35.50	45+39.92	RT	1.24		10.5		
45+73.30	45+99.30	RT	2.89	60.8	26.0		
47+98.90	48+05.54	RT	1.37		11.6		
48+38.81	48+58.49	RT	3.05		25.6		
50+04.15	50+36.65	RT	3.61	44.3	32.5		
51+42.00	51+74.00	RT	3.56	37.8	32.0		
52+55.46	52+63.69	RT	1.11		9.5		
TOTAL			1512.61	690.50	5960.3	8512.8	

STATION TO STATION	SIDE	CLASS D PATCHES, TYPE I, 12 INCH SQ. YD.	CLASS D PATCHES, TYPE II, 12 INCH SQ. YD.	CLASS D PATCHES, TYPE III, 12 INCH SQ. YD.	CLASS D PATCHES, TYPE IV, 12 INCH SQ. YD.
4+95	LT.		7		
4+95	RT.		11		
7+30	RT.				54
8+89.5	RT.		8		
8+89.5	LT.			15	
9+35	10+28	LT.			78
11+00	11+55	RT.			43
14+23.40	14+41.60	LT.	8		
14+23.40	14+41.60	RT.	5		
14+60	15+30	LT.			54
15+90	16+15	LT.		19	
17+18	21+22	RT.			247
19+29.50	19+74.90	LT.	13		
19+29.50	19+74.90	RT.		19	
25+47.95	RT.	3			
TOTAL		3	52	53	476

DRAWN BY <u>D.B.H.</u>		SCHEDULE OF QUANTITIES EAST GRANT STREET IMPROVEMENTS	
CHECKED BY <u>M.G.M.</u>			
APPROVED BY <u>W.J.S.</u>			
DATE <u>FEBRUARY 24, 2005</u>		MACOMB, ILLINOIS	
REVISIONS		 Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62850 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852	
DATE	BY		
<u>3/7/05</u>	<u>M.G.M.</u>		

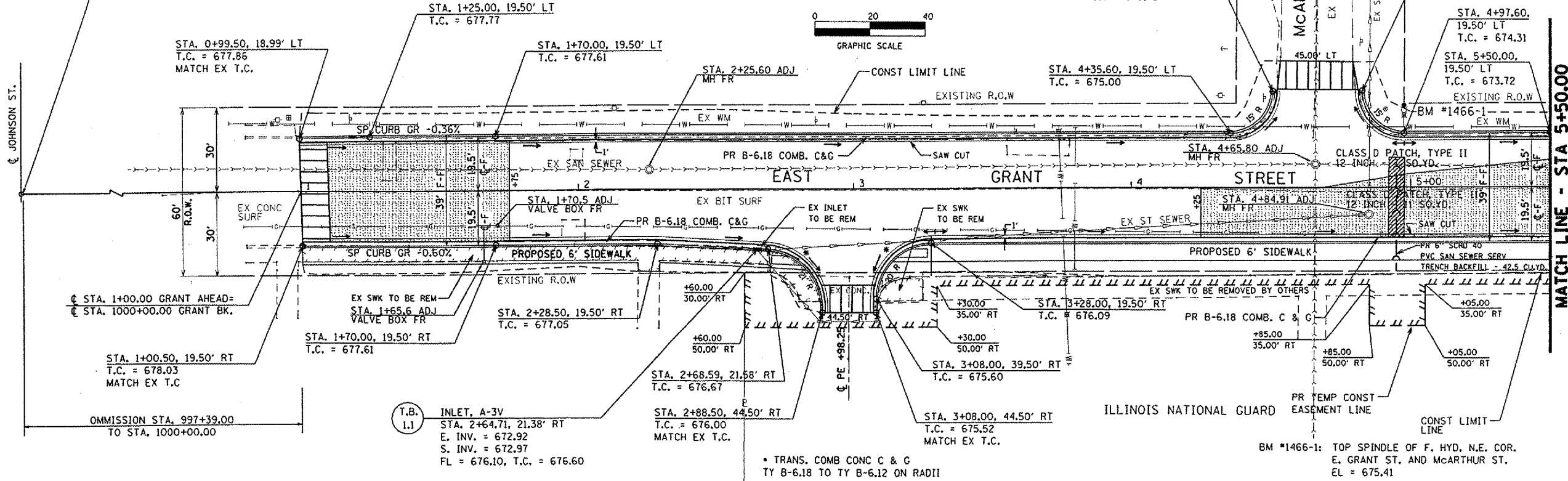
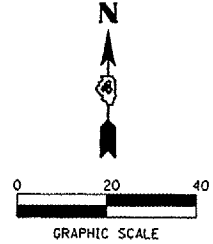
CONTRACT NO. 89337

STATION	to	STATION	SIDE	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS SQ. FT.	TEMPORARY PAVEMENT MARKING - LINE 6" FOOT	TEMPORARY PAVEMENT MARKING - LINE 12" FOOT	TEMPORARY PAVEMENT MARKING - LINE 24" FOOT	WORK ZONE PAVEMENT REMOVAL SQ. FT.	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS SQ. FT.	THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT	REMARKS
1+00		53+40	RT. & LT.	686.4				686.4	686.4				LEFT ARROWS - LARGE SIZE - WHITE
1+00		2+20	RT. & LT.		464			232		464			MERGE, SOLID DOUBLE YELLOW
1+00		2+20	RT. & LT.			53		53			53		MERGE, DIAGONAL YELLOW
2+20		4+40	RT. & LT.		440			220		440			TURN LANE, SOLID YELLOW
2+20		4+40	RT. & LT.		100			50		100			TURN LANE, SKIP (10/30) YELLOW
4+67	(MACARTHUR ST.)		LT.				15	30				15	STOP BAR, WHITE
4+90		8+70	RT. & LT.		760			380		760			TURN LANE, SOLID YELLOW
4+90		8+70	RT. & LT.		200			100		200			TURN LANE, SKIP (10/30) YELLOW
8+88	(LAFAYETTE ST.)		LT.				11	22				11	STOP BAR, WHITE
9+20		9+84	RT. & LT.		128			64		128			TURN LANE, SOLID YELLOW
9+20		9+84	RT. & LT.		40			20		40			TURN LANE, SKIP (10/30) YELLOW
9+84		12+00	RT. & LT.		631			315.5		631			LEFT TURN CHANNELIZATION, SOLID YELLOW
9+84		12+00	RT.		110			55		110			LEFT TURN CHANNELIZATION, SOLID WHITE
9+84		10+90	RT. & LT.			42		42			42		LEFT TURN CHANNELIZATION, DIAGONAL YELLOW
					56			28		56			LEFT TURN LANE, SOLID DOUBLE YELLOW
					28			14		28			LEFT TURN LANE, SOLID WHITE
12+43	(MAPLE AVE.)		RT.		205	150		252.5		205	150		CROSS-WALK, SOLID WHITE
					83	42		83.5		83	42		CHEVRON
							35	70				35	STOP BARS (2), WHITE
12+50.52	(RANDOLPH ST.)		LT.		35			17.5		35			4 SOLID YELLOW
12+50.52	(RANDOLPH ST.)		LT.				15	30				15	STOP BAR, WHITE
12+80.5		15+36.5	RT. & LT.		704			352		704			LEFT TURN CHANNELIZATION, SOLID YELLOW
12+80.5		15+36.5	LT.		143			71.5		143			LEFT TURN CHANNELIZATION, SOLID WHITE
13+42		13+49	RT. & LT.		66	48		61		66	48		CROSS-WALK, SOLID WHITE
14+30.5		15+36.5	RT. & LT.			42		42			42		LEFT TURN CHANNELIZATION, DIAGONAL YELLOW
15+36.5		19+11	RT. & LT.		749			374.5		749			TURN LANE, SOLID YELLOW
15+36.5		19+11	RT. & LT.		180			90		180			TURN LANE, SKIP (10/30) YELLOW
19+11		21+47	RT. & LT.		678			339		678			LEFT TURN CHANNELIZATION, SOLID YELLOW
19+11		21+47	RT.		130			65		130			LEFT TURN CHANNELIZATION, SOLID WHITE
19+11		20+17	RT. & LT.			42		42			42		LEFT TURN CHANNELIZATION, DIAGONAL YELLOW
21+76.97	(DUDLEY ST.)		LT.		28			14		28			4 SOLID YELLOW
21+76.97	(DUDLEY ST.)		LT.				19	38				19	STOP BAR, WHITE
22+01.50		22+08.50	RT. & LT.		84	60		102		84	60		CROSS-WALK, SOLID WHITE
22+20		24+90	RT. & LT.		558			279		558			TURN LANE, SOLID YELLOW
22+20		24+90	RT. & LT.		140			70		140			TURN LANE, SKIP (10/30) YELLOW
25+40		30+94	RT. & LT.		1108			554		1108			TURN LANE, SOLID YELLOW
25+40		30+94	RT. & LT.		280			140		280			TURN LANE, SKIP (10/30) YELLOW
25+13.47	(MADISON AVE.)		LT.				14	28				14	STOP BAR, WHITE
31+20	(KATHY AVE.)		LT.				14	28				14	STOP BAR, WHITE
31+11		32+45	RT. & LT.		210			105		210			TURN LANE, SOLID YELLOW
31+44		32+45	RT. & LT.		60			30		60			TURN LANE, SKIP (10/30) YELLOW
32+72	(HOSPITAL ENTRANCE)		RT.		61	42		72.5		61	42		CROSS-WALK, SOLID WHITE
32+72	(HOSPITAL ENTRANCE)		RT.				11	22				11	STOP BAR, WHITE
33+02		35+83	RT. & LT.		752			376		752			LEFT TURN CHANNELIZATION, SOLID YELLOW
33+02		35+83	LT.		150			75		150			LEFT TURN CHANNELIZATION, SOLID WHITE
34+52		35+83	RT. & LT.			53		53			53		LEFT TURN CHANNELIZATION, DIAGONAL YELLOW
35+87	(DOCTORS LANE)		RT.		78	54		93		78	54		CROSS-WALK, SOLID WHITE
35+87	(DOCTORS LANE)		RT.				16	32				16	STOP BAR, WHITE
36+12		37+85	RT. & LT.		346			173		346			TURN LANE, SOLID YELLOW
36+12		37+85	RT. & LT.		100			50		100			TURN LANE, SKIP (10/30) YELLOW
38+10	(MADELYN AVE.)		LT.				14	28				14	STOP BAR, WHITE
38+35		39+07	RT. & LT.		144			72		144			TURN LANE, SOLID YELLOW
38+35		39+07	RT. & LT.		40			20		40			TURN LANE, SKIP (10/30) YELLOW
39+33	(MADELYN AVE.)		RT.		90	60		105		90	60		CROSS-WALK, SOLID WHITE
39+33	(MADELYN AVE.)		RT.				14	28				14	STOP BAR, WHITE
39+57		41+87	RT. & LT.		460			230		460			TURN LANE, SOLID YELLOW
39+57		41+87	RT. & LT.		120			60		120			TURN LANE, SKIP (10/30) YELLOW
42+21	(PEARL ST.)		LT.				18	36				18	STOP BAR, WHITE
42+57		44+90	RT. & LT.		466			233		466			TURN LANE, SOLID YELLOW
42+57		44+90	RT. & LT.		120			60		120			TURN LANE, SKIP (10/30) YELLOW
45+20	(JAMIE LANE)		LT.				14	28				14	STOP BAR, WHITE
45+20	(JAMIE LANE)		RT.		64			116		64		42	STOP BAR, WHITE
45+20	(JAMIE LANE)		RT.				14	28				14	STOP BAR, WHITE
45+50		47+93	RT. & LT.		488			243		488			TURN LANE, SOLID YELLOW
45+50		47+93	RT. & LT.		100			50		100			TURN LANE, SKIP (10/30) YELLOW
48+22	(PENNYOAKS DR.)		RT.		70	48		83		70	48		CROSS-WALK, SOLID WHITE
48+22	(PENNYOAKS DR.)		RT.				14	28				14	STOP BAR, WHITE
49+53		49+84	RT. & LT.		282			141		282			TURN LANE, SOLID YELLOW
49+53		49+84	RT. & LT.		80			40		80			TURN LANE, SKIP (10/30) YELLOW
49+84		52+50	RT. & LT.		718			359		718			LEFT TURN CHANNELIZATION, SOLID YELLOW
49+84		52+50	RT.		150			75		150			LEFT TURN CHANNELIZATION, SOLID WHITE
49+84		51+00	RT. & LT.			42		42			42		LEFT TURN CHANNELIZATION, DIAGONAL YELLOW
52+50			RT. & LT.				21	42				21	STOP BAR, WHITE
52+92.21	(CANDY LANE)		RT. & LT.				30	60				30	STOP BARS (2), WHITE
53+39			LT.				16	32				16	STOP BAR, WHITE
			TOTAL	686.4	13,275	778	347	8,796	686.4	13,275	778	347	

DRAWN BY	D.B.H.	SCHEDULE OF QUANTITIES EAST GRANT STREET IMPROVEMENTS
CHECKED BY	M.G.M.	
APPROVED BY	W.J.S.	
DATE	FEBRUARY 24, 2005	
REVISIONS		MACOMB, ILLINOIS
DATE	BY	
 Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4148 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852		
FIELD BOOK	SCALE:	JOB NO. 04e1466 SHEET 13 OF 66

NOTE: ALL BUTT JOINTS SHALL BE 10' WIDE UNLESS SHOWN OTHERWISE

BEGIN IMPROVEMENTS
 STA. 997+39.00, GRANT
 STREET AHEAD

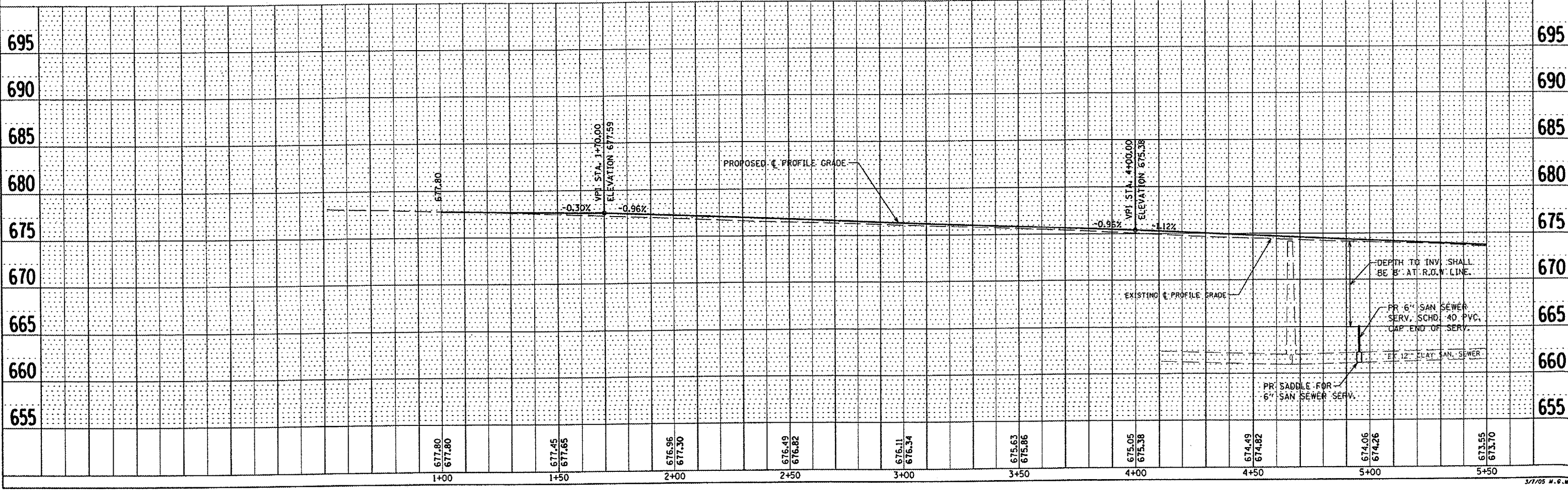


PLAN

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

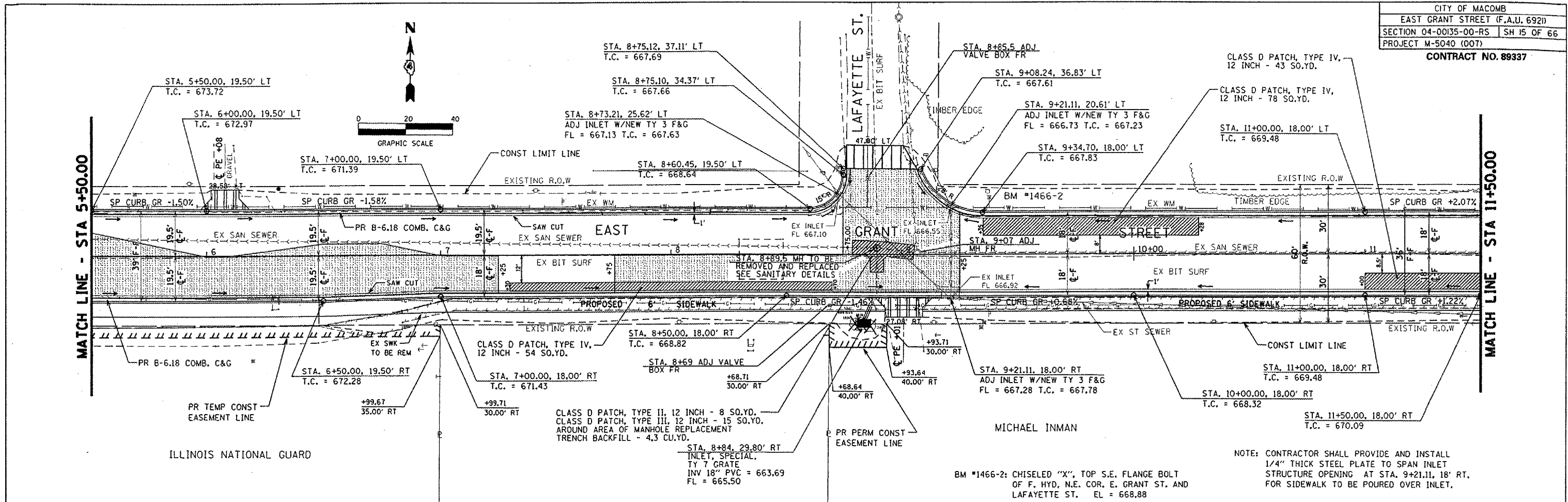
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BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

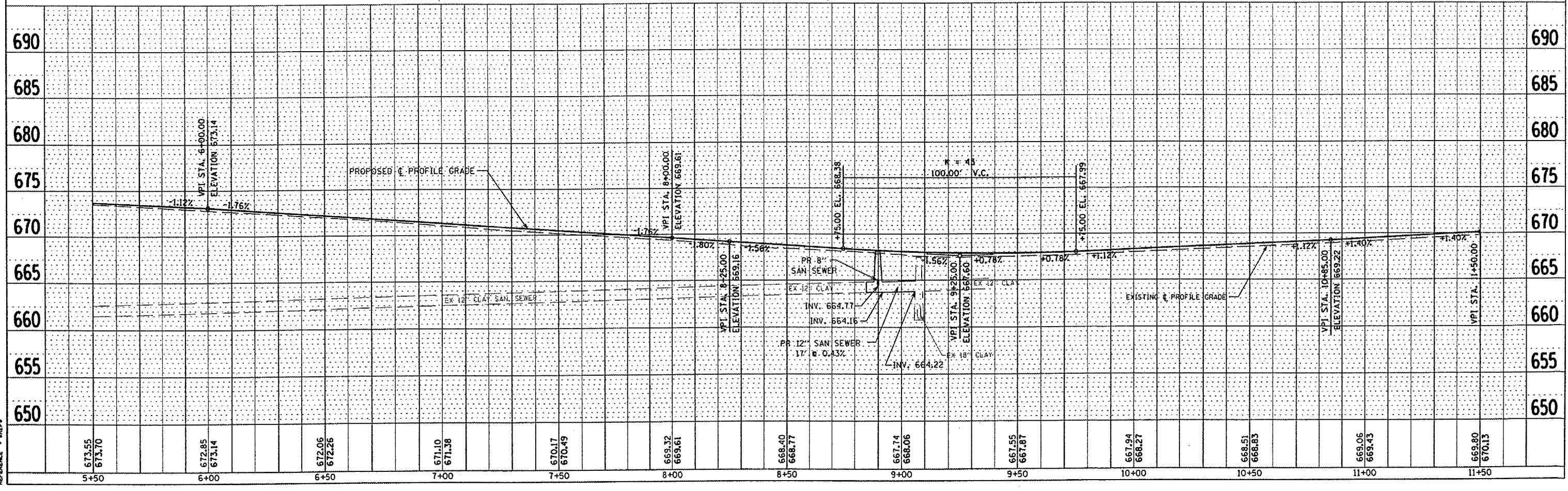


PLOT DATE: 3/16/2005
 FILE NAME: 04-00135-00-RS
 PLOT SCALE: 1"=40'
 REFERENCE: SHEET 14 OF 66

PLAN	DATE
NO.	
BY	
CHECKED	
DATE	



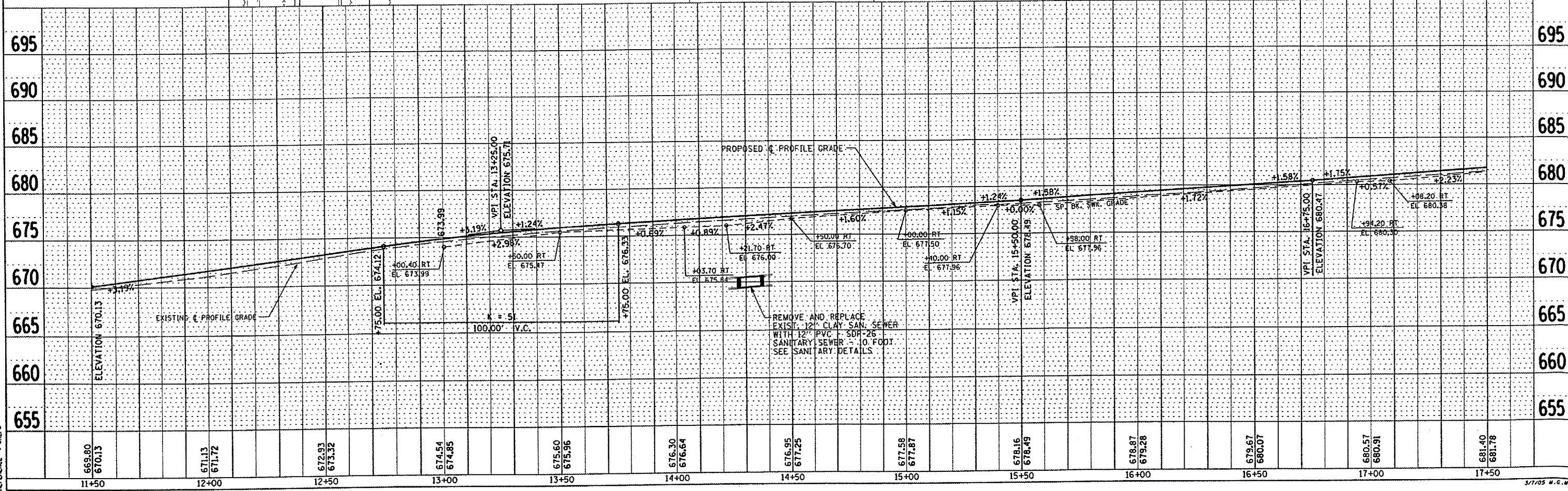
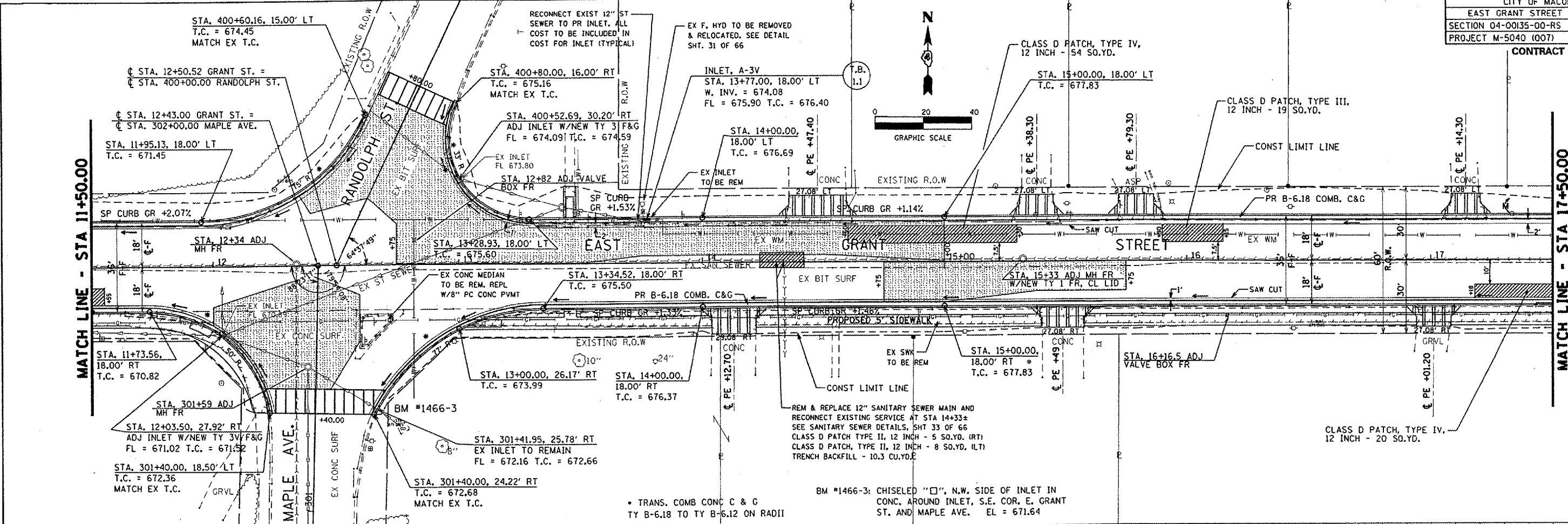
PROFILE	DATE
NO.	
BY	
CHECKED	
DATE	



PLOT DATE: 2/24/2005
 PLOT SCALE: 1/4" = 10'-0"
 REFERENCE: 89337

NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL 1/4" THICK STEEL PLATE TO SPAN INLET STRUCTURE OPENING AT STA. 9+21.11, 18' RT. FOR SIDEWALK TO BE POURED OVER INLET.

MICHAEL INMAN
 BM #1466-2: CHISELED "X", TOP S.E. FLANGE BOLT OF F. HYD. N.E. COR. E. GRANT ST. AND LAFAYETTE ST. EL = 668.88



PLAN

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

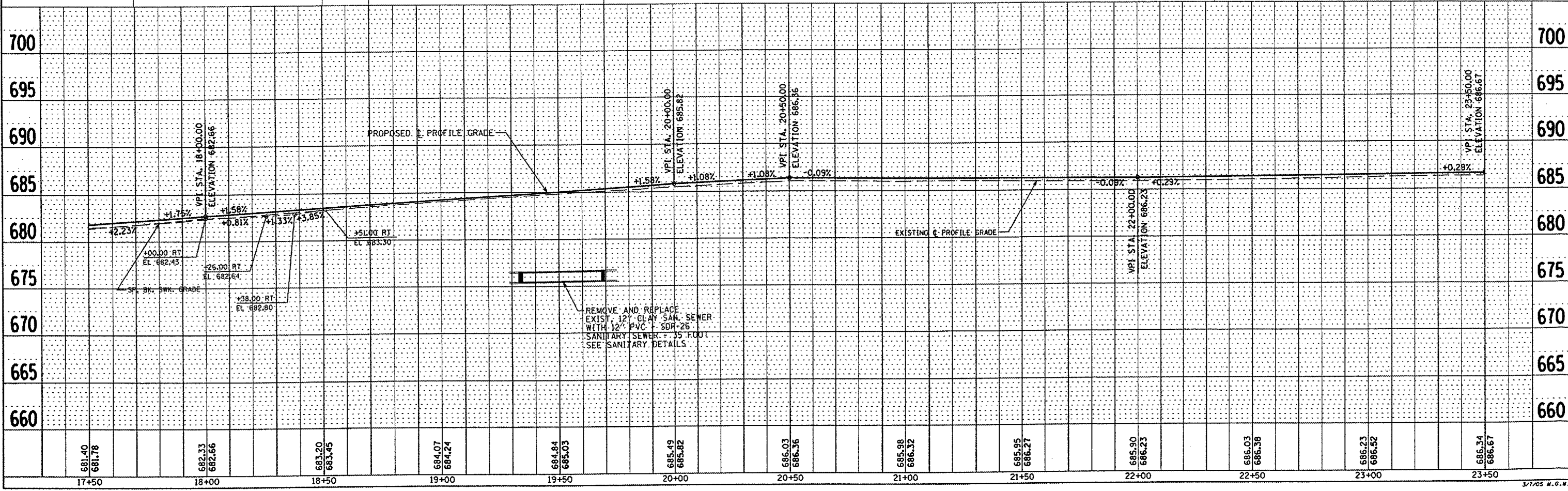
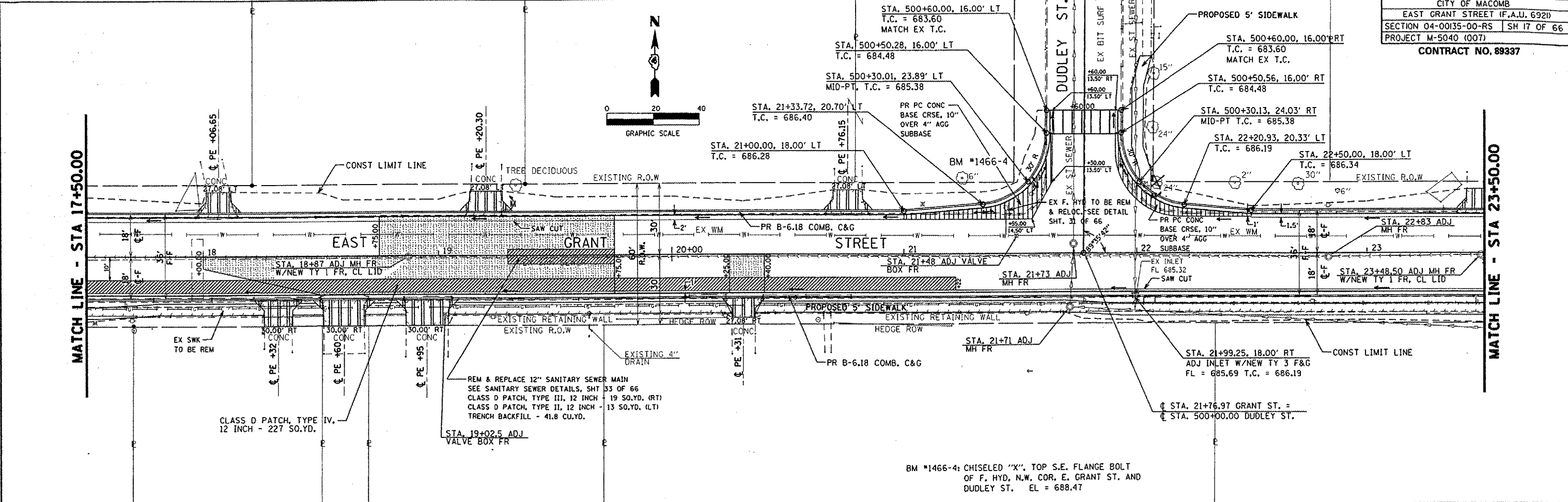
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DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

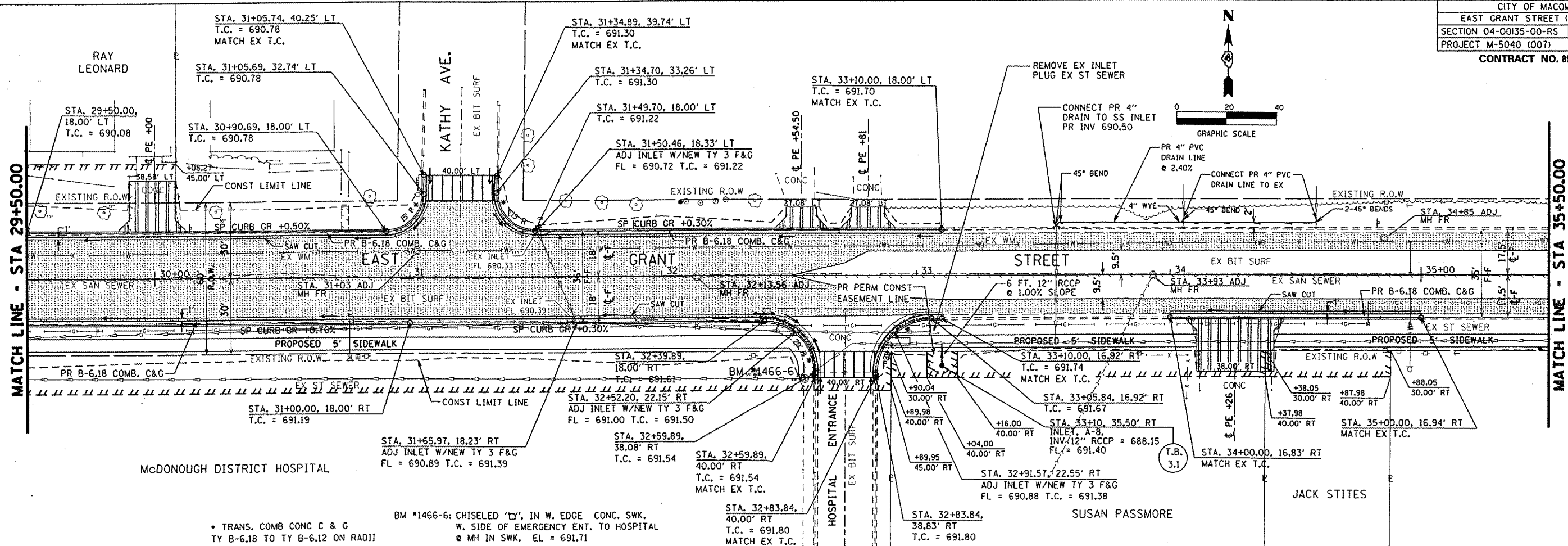
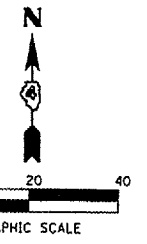
PLOT DATE: 2/14/2008
 PLOT NAME: 04-00135-00-RS
 PLOT SCALE: AS SHOWN
 REFERENCE: SHEET 16 OF 66

DATE: _____ BY: _____
 CHECKED: _____
 PLAN NO. _____
 NOTE BOOK NO. _____
 DATE: _____ BY: _____
 CHECKED: _____
 PROFILE NO. _____
 NOTE BOOK NO. _____

DATE: _____ BY: _____
 CHECKED: _____
 PROFILE NO. _____
 NOTE BOOK NO. _____
 DATE: _____ BY: _____
 CHECKED: _____
 PLAN NO. _____
 NOTE BOOK NO. _____

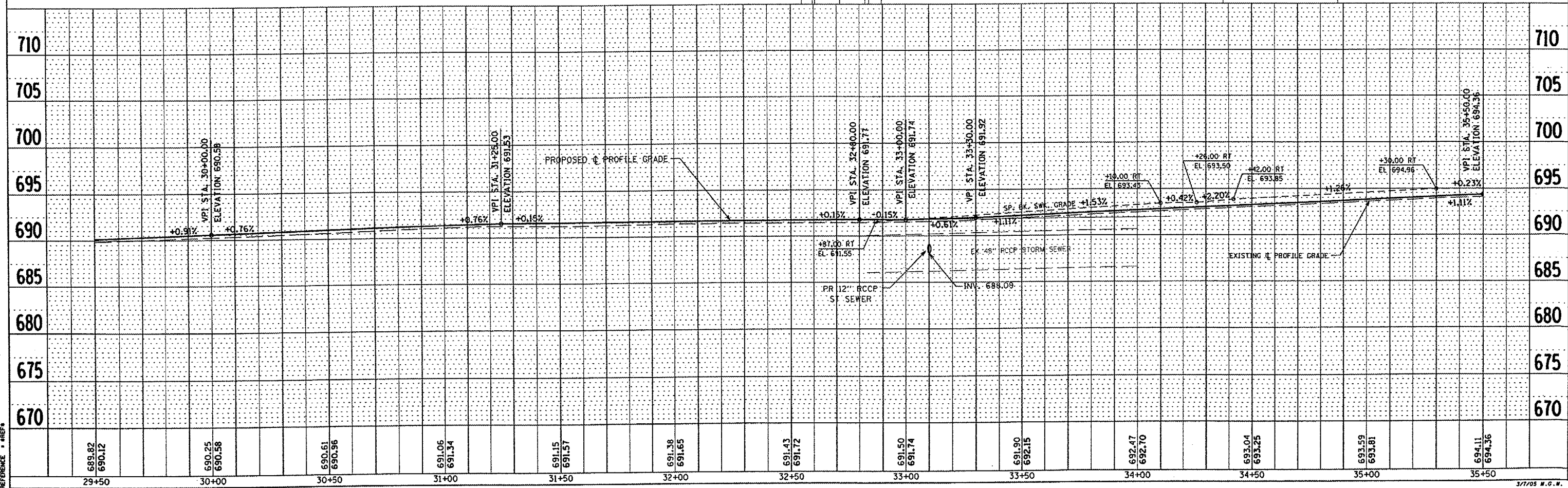


PLOT DATE: 3/26/2009
 FILE NAME: 14FELEA
 PLOT SCALE: 1/4"=1'-0"
 REFERENCE: 1-#REFS



DATE: _____
 BY: _____
 CHECKED: _____
 NO. _____
 FILE NAME: _____

DATE: _____
 BY: _____
 CHECKED: _____
 NO. _____
 FILE NAME: _____

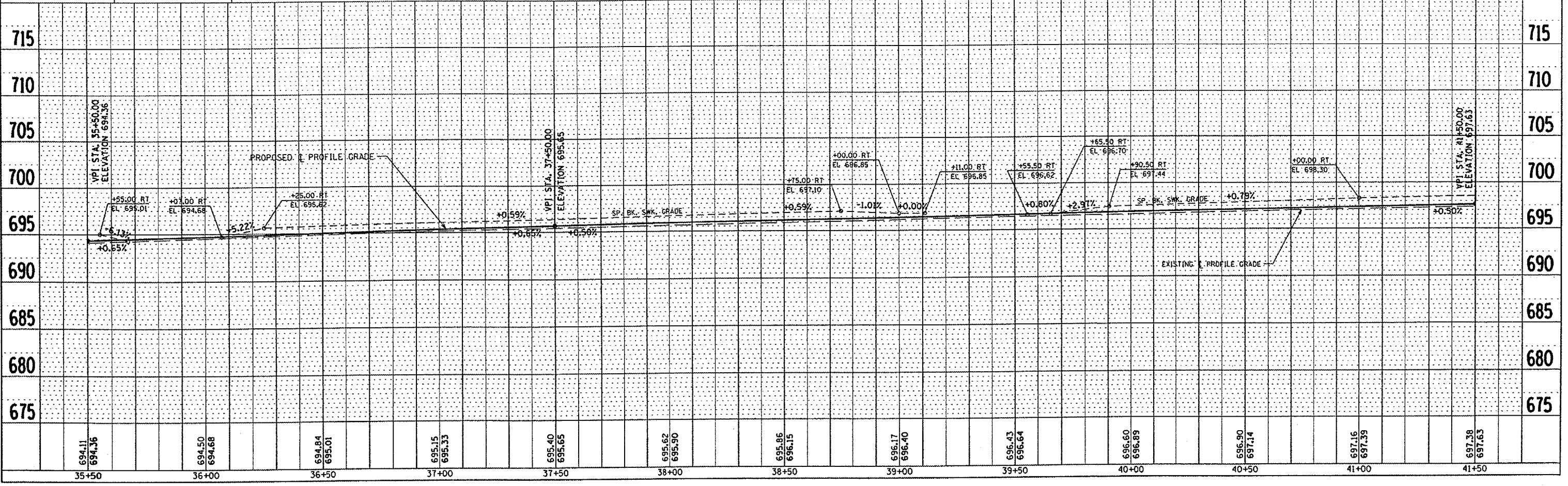
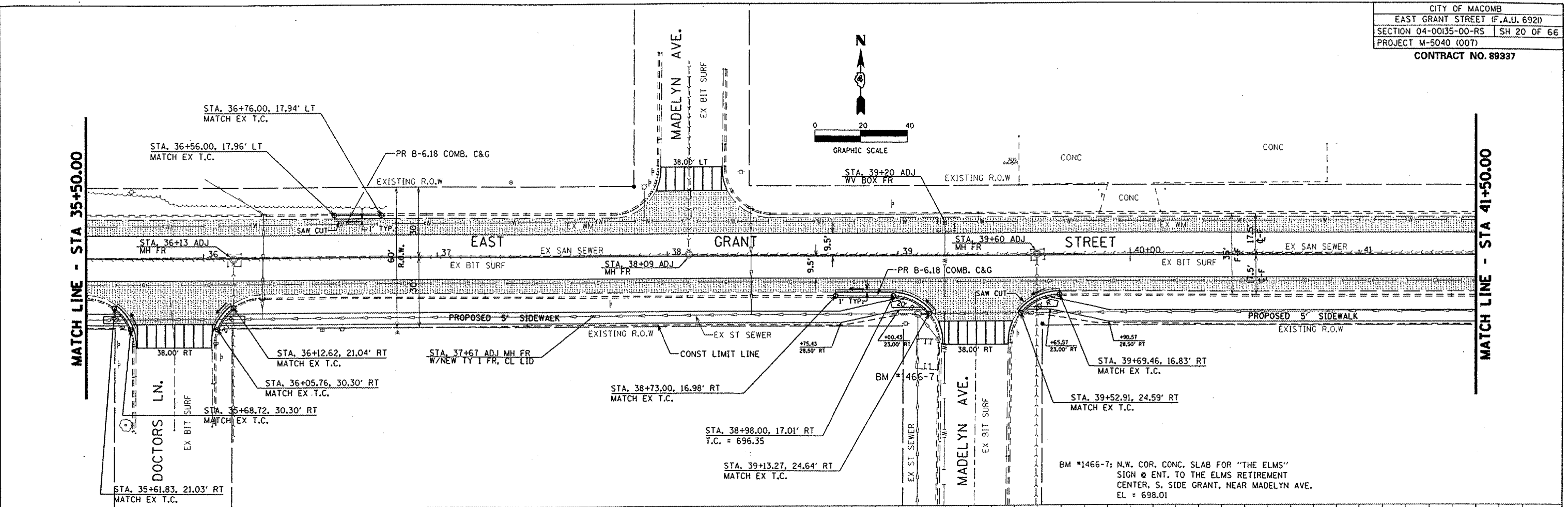


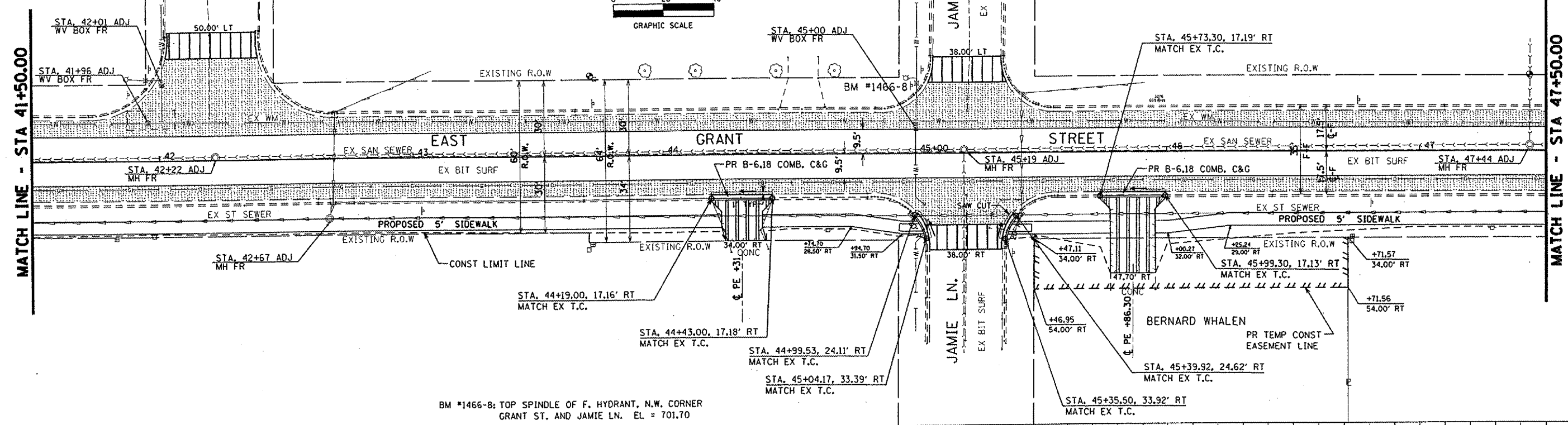
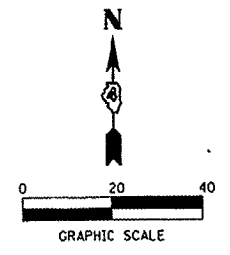
PLOT DATE: 3/28/2007
 FILE NAME: 04-00135-00-RS
 PLOT SCALE: 1"=40'
 REFERENCE: SHEETS

DATE	
BY	
PLAN	
NO. _____	
DATE	
BY	
PLAN	
NO. _____	
DATE	
BY	
PLAN	
NO. _____	

DATE	
BY	
PROFILE	
NO. _____	
DATE	
BY	
PROFILE	
NO. _____	

PLOT DATE: 2/24/2005
 FILE NAME: P:\1444465\Origins\Plans\Profile\Profile.dgn
 PLOT SCALE: 1" = 40' (VERTICAL) / 1" = 40' (HORIZONTAL)
 REFERENCE: SHEET





BM #1466-8: TOP SPINDLE OF F. HYDRANT, N.W. CORNER
 GRANT ST. AND JAMIE LN. EL. = 701.70

DATE: _____ BY: _____

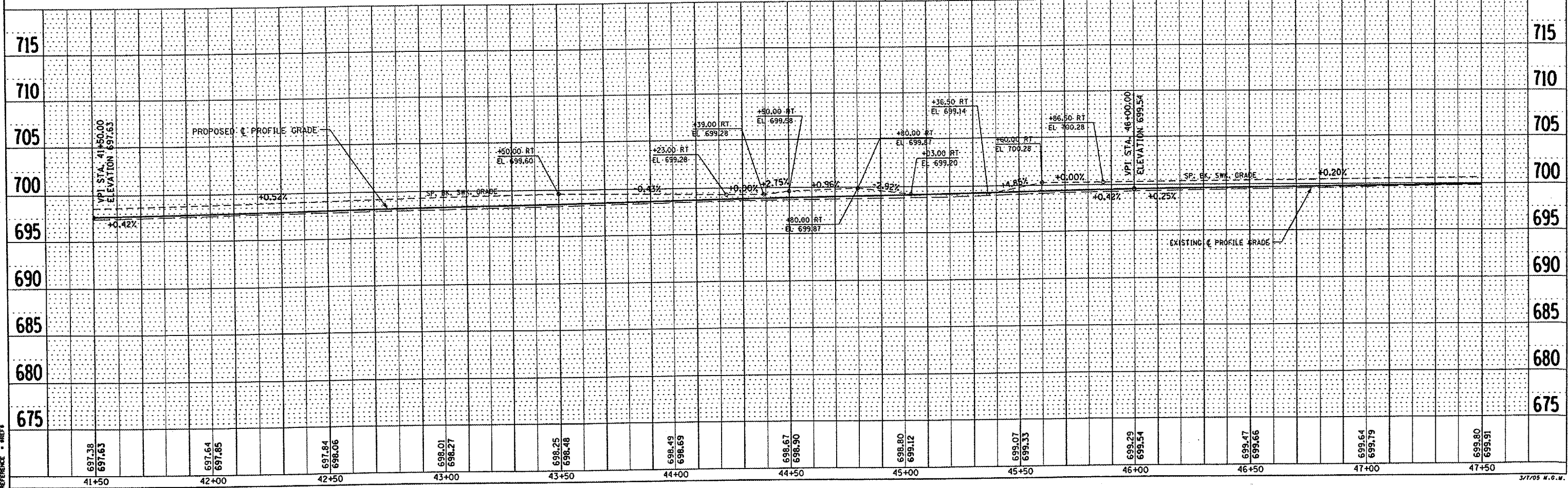
REVISIONS:

NO.	DATE	DESCRIPTION

DATE: _____ BY: _____

REVISIONS:

NO.	DATE	DESCRIPTION

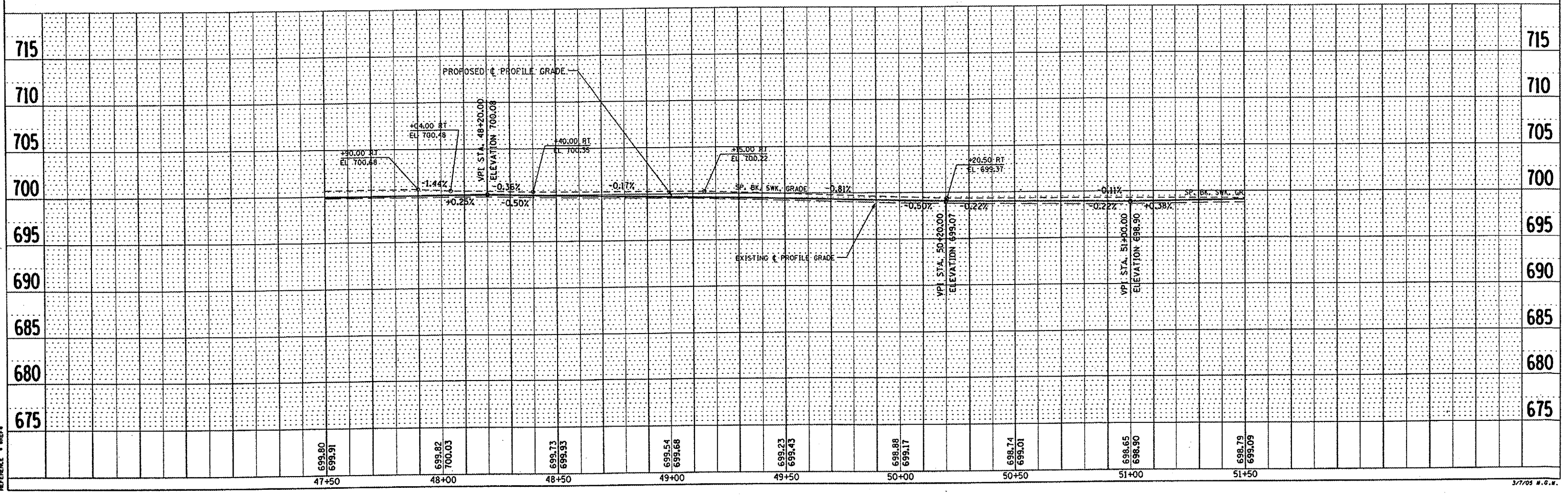
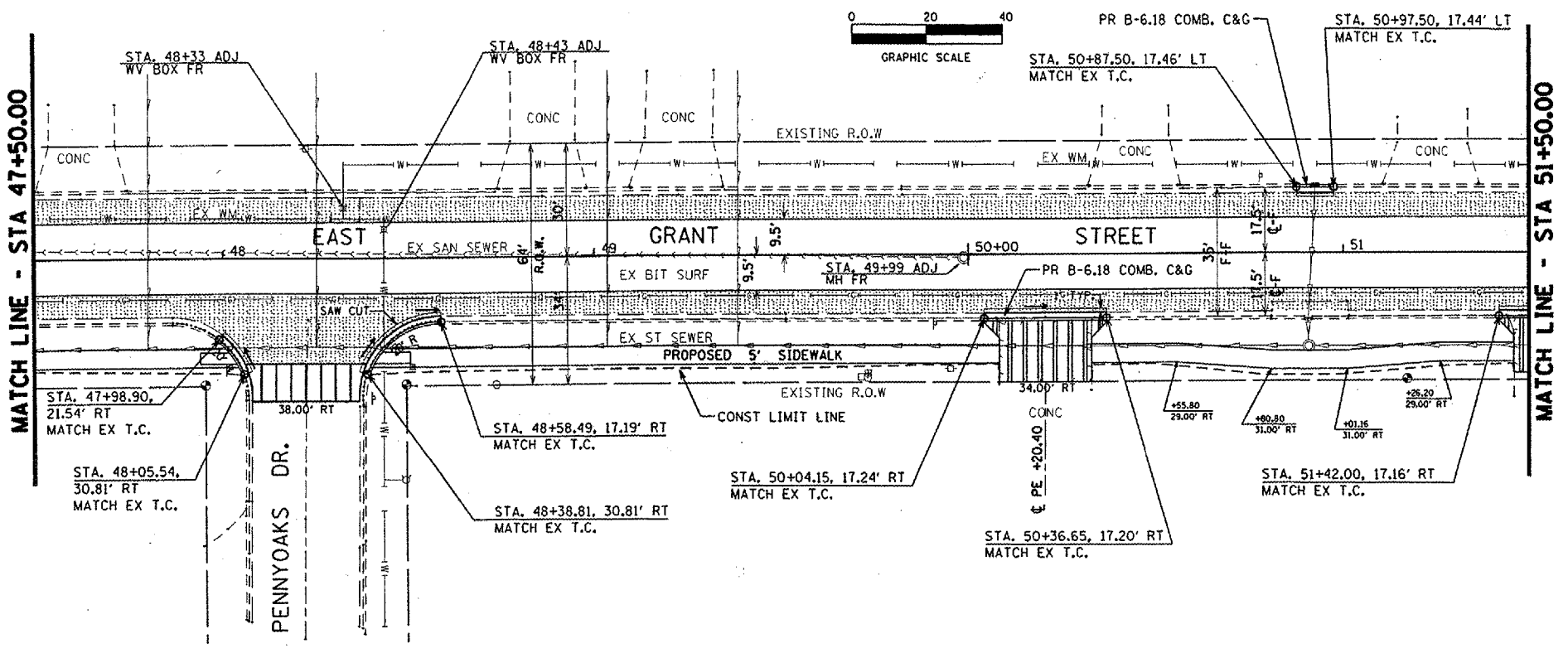


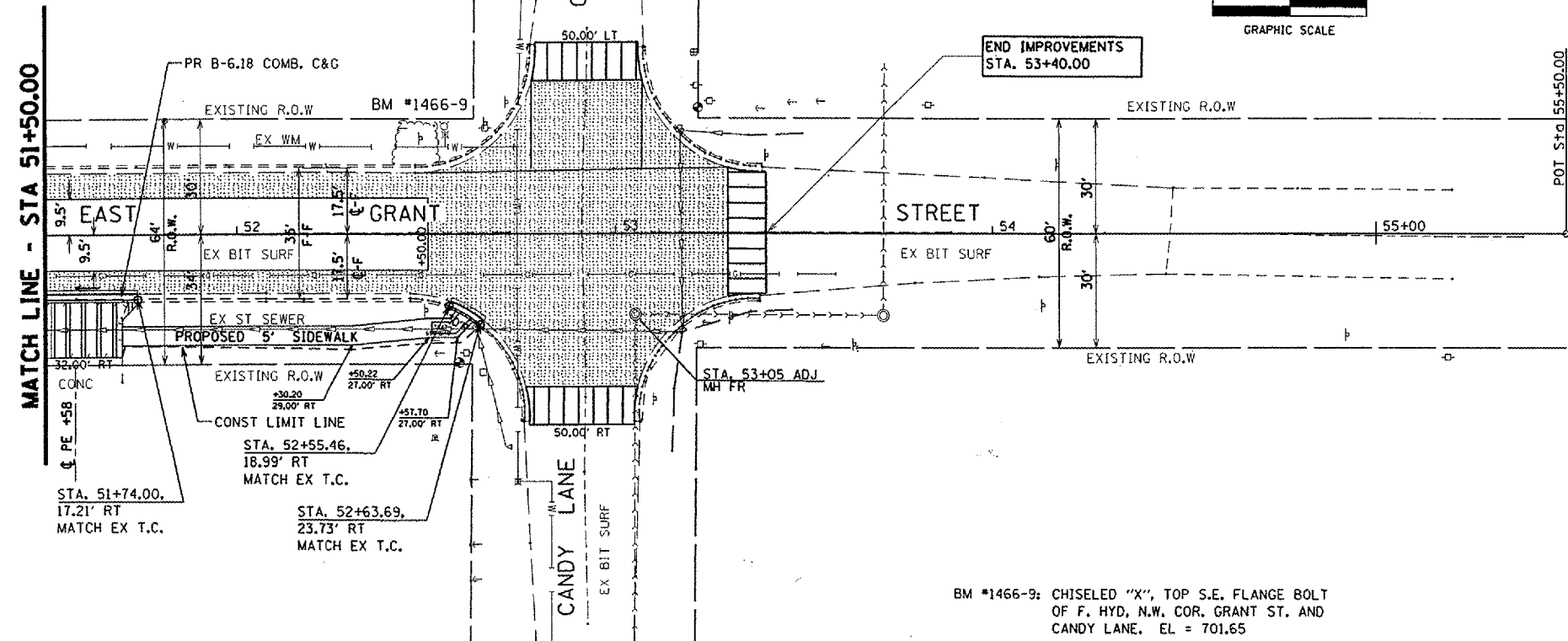
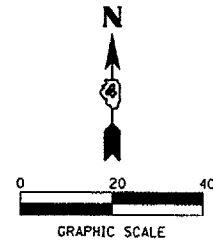
DATE: 3/17/2005
 FILE NAME: 04-00135-00-RS
 REFERENCE: SHEET

DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____

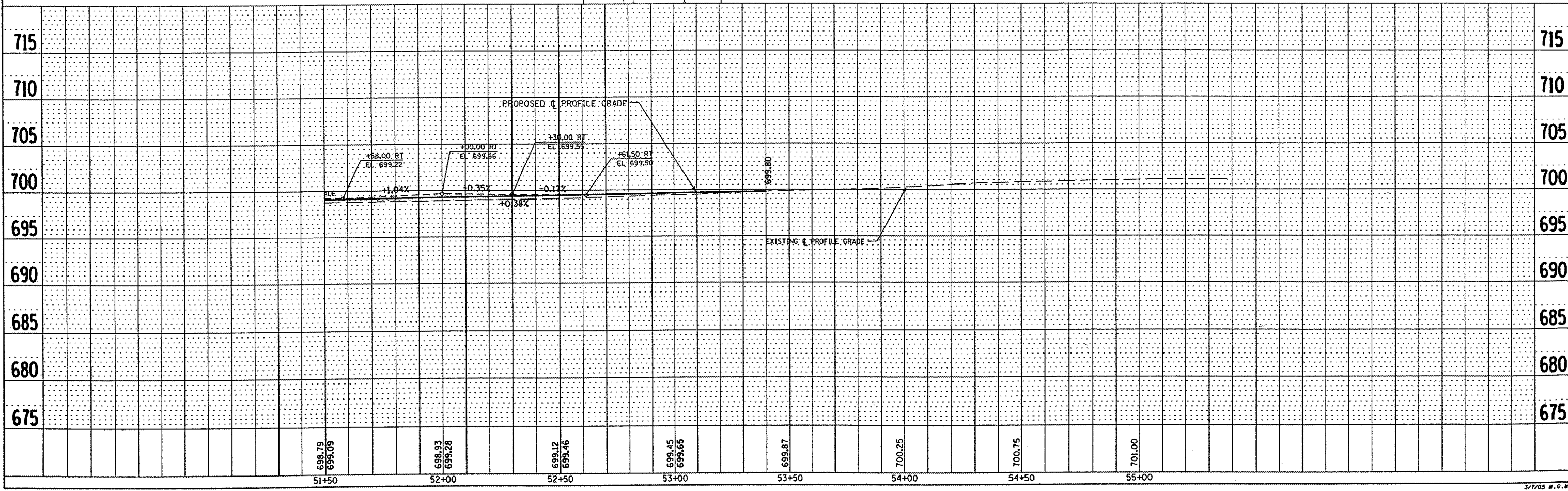
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 CHECKED: _____
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 NO. _____

DATE: 3/7/05
 FILE NAME: M-5040-RS-22
 REFERENCE: M-5040-RS-22





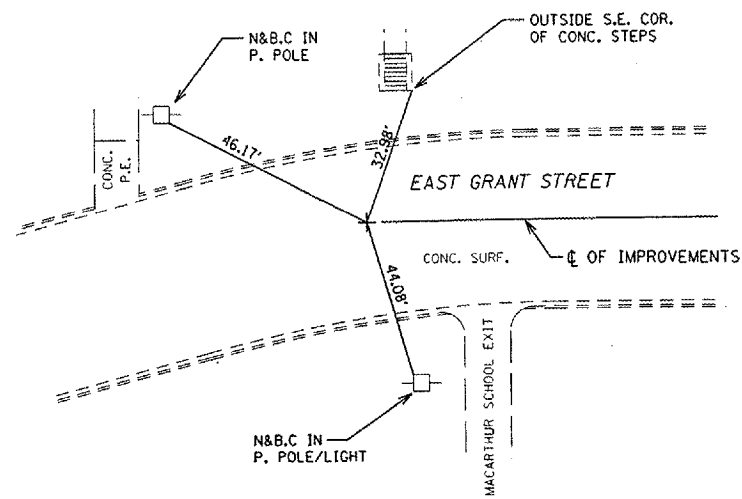
BM #1466-9; CHISELED "X", TOP S.E. FLANGE BOLT OF F. HYD. N.W. COR. GRANT ST. AND CANDY LANE, EL = 701.65



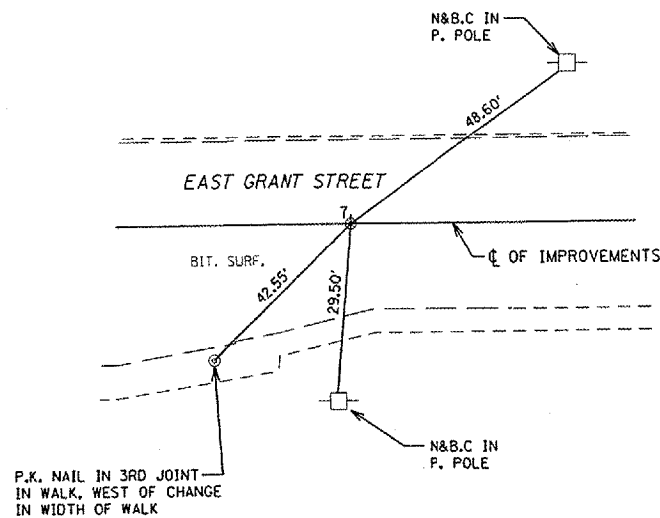
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DATE: _____
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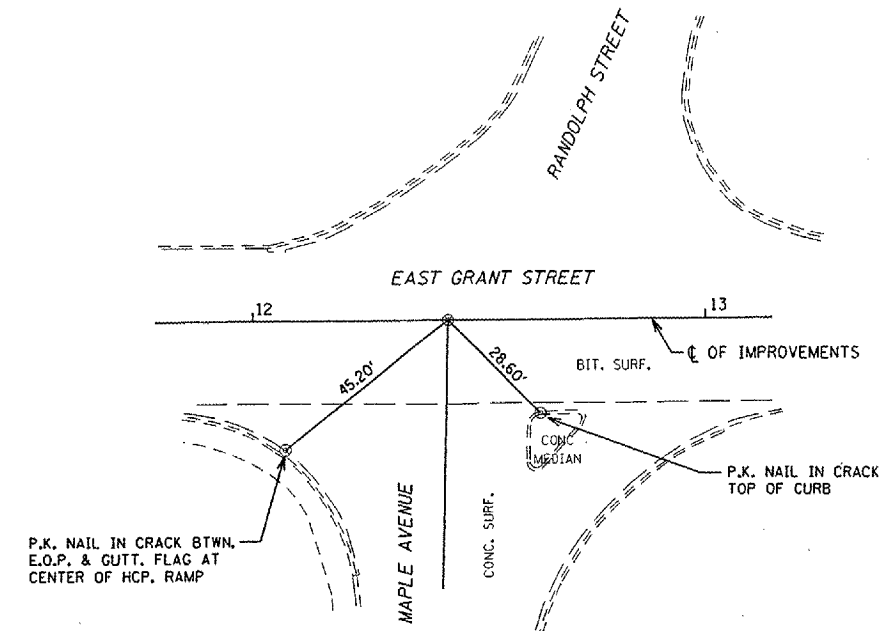
PLOT DATE: 3/1/2005
 FILE NAME: 04-00135-00-RS
 PLOT SCALE: 1"=40'
 REFERENCE: SHEET 23 OF 66



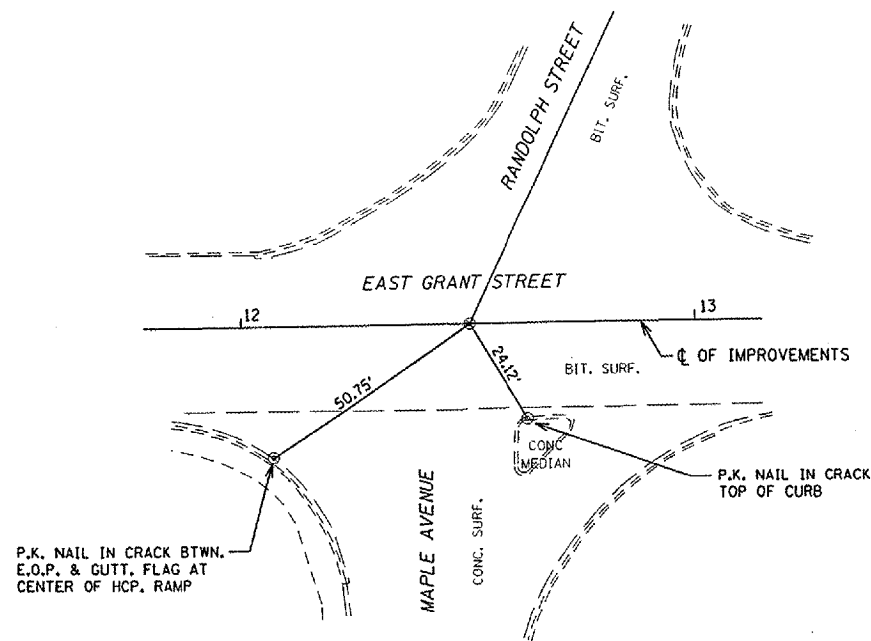
CHISELED "+"
 P.O.T. STA. 0+00.00 EAST GRANT STREET



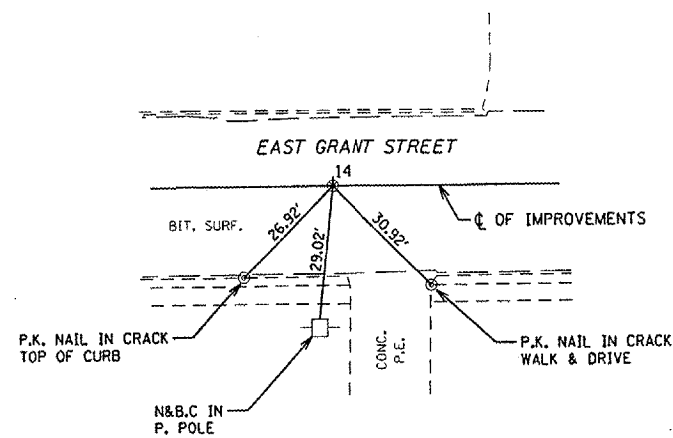
MAG NAIL & B.C.
 P.O.T. STA. 7+00.00 EAST GRANT STREET



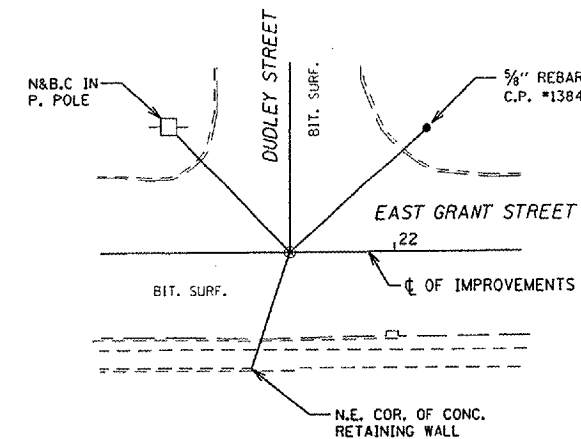
MAG NAIL & B.C.
 P.I. STA. 12+43.00 EAST GRANT STREET
 = STA. 302+00.00 MAPLE AVENUE




MAG NAIL & B.C.
 P.I. STA. 12+50.52 EAST GRANT STREET
 = STA. 400+00.00 RANDOLPH STREET

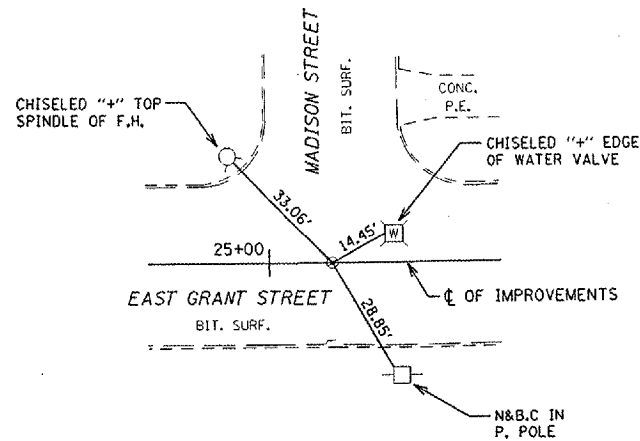


MAG NAIL & B.C.
 P.O.T. STA. 14+00.00 EAST GRANT STREET

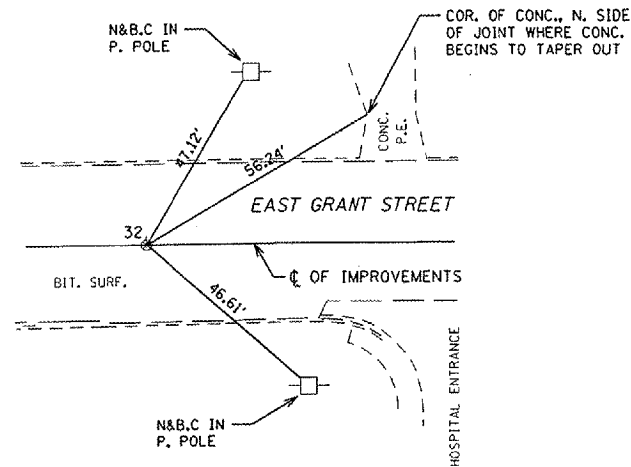


MAG NAIL & B.C.
 P.I. STA. 21+76.97 EAST GRANT STREET
 = STA. 500+00.00 DUDLEY STREET

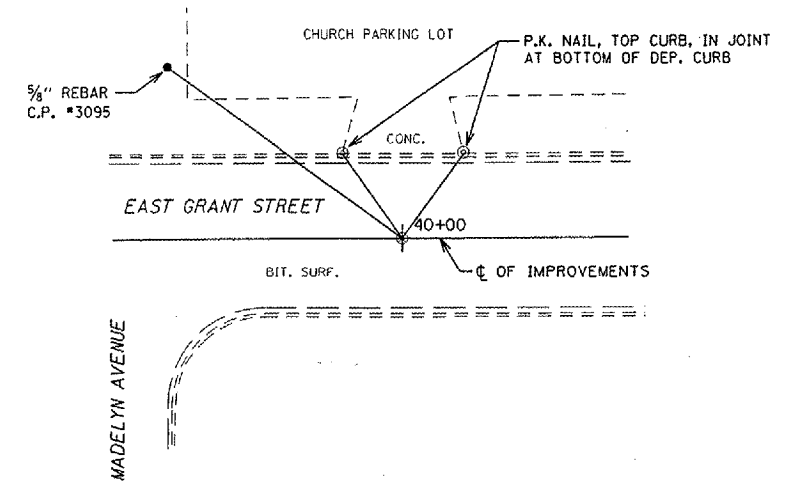
DRAWN BY M.G.M.		HORIZONTAL CONTROL POINTS EAST GRANT STREET IMPROVEMENTS	
CHECKED BY D.B.H.			
APPROVED BY W.J.S.			
DATE JANUARY, 2005		MACOMB, ILLINOIS	
REVISIONS		 BENTON & ASSOCIATES INC. Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852	
DATE	BY		
FIELD BOOK:	SCALE: N.T.S.	JOB NO. 04e1466	SHEET 24 OF 66



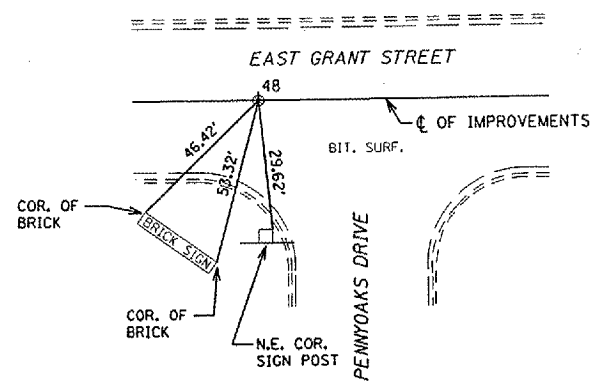
MAG NAIL & B.C.
 P.O.T. STA. 25+13.47 EAST GRANT STREET



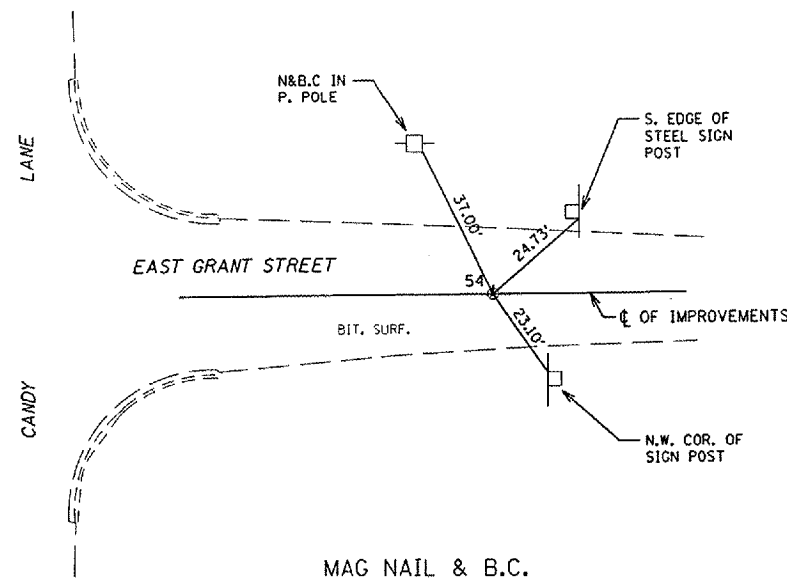
MAG NAIL & B.C.
 P.O.T. STA. 32+00.00 EAST GRANT STREET



MAG NAIL & B.C.
 P.O.T. STA. 40+00.00 EAST GRANT STREET

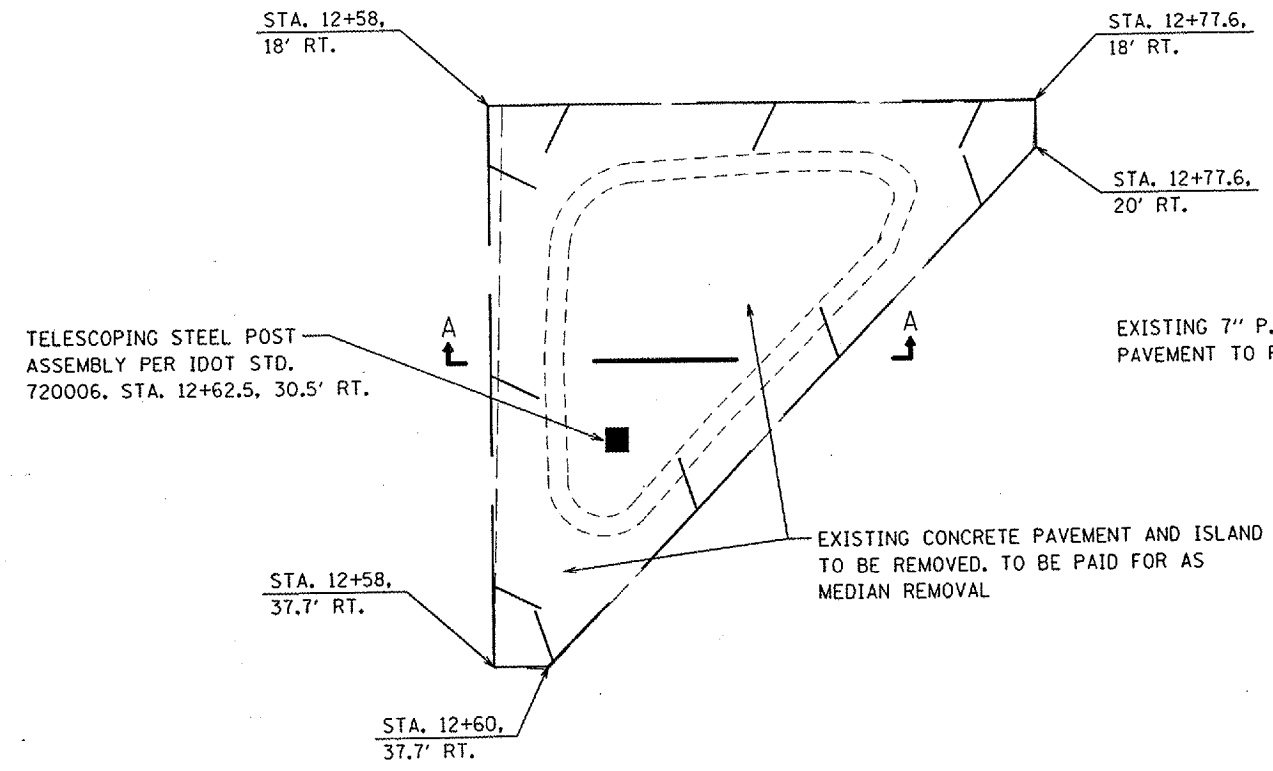


MAG NAIL & B.C.
 P.O.T. STA. 48+00.00 EAST GRANT STREET

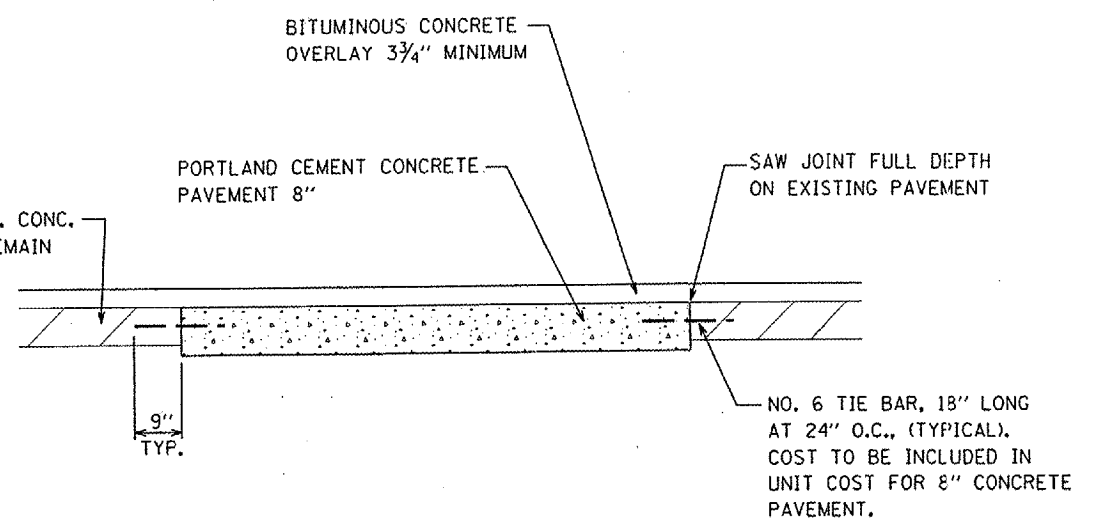


MAG NAIL & B.C.
 P.O.T. STA. 54+00.00 EAST GRANT STREET

DRAWN BY <u>M.G.M.</u> CHECKED BY <u>D.B.H.</u> APPROVED BY <u>W.J.S.</u> DATE <u>JANUARY, 2005</u>	HORIZONTAL CONTROL POINTS EAST GRANT STREET IMPROVEMENTS
REVISIONS DATE BY	MACOMB, ILLINOIS
FIELD BOOK:	SCALE: <u>N.T.S.</u> JOB NO. <u>0401466</u> SHEET <u>25</u> OF <u>66</u>
BENTON & ASSOCIATES INC. Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4148 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852	



PLAN

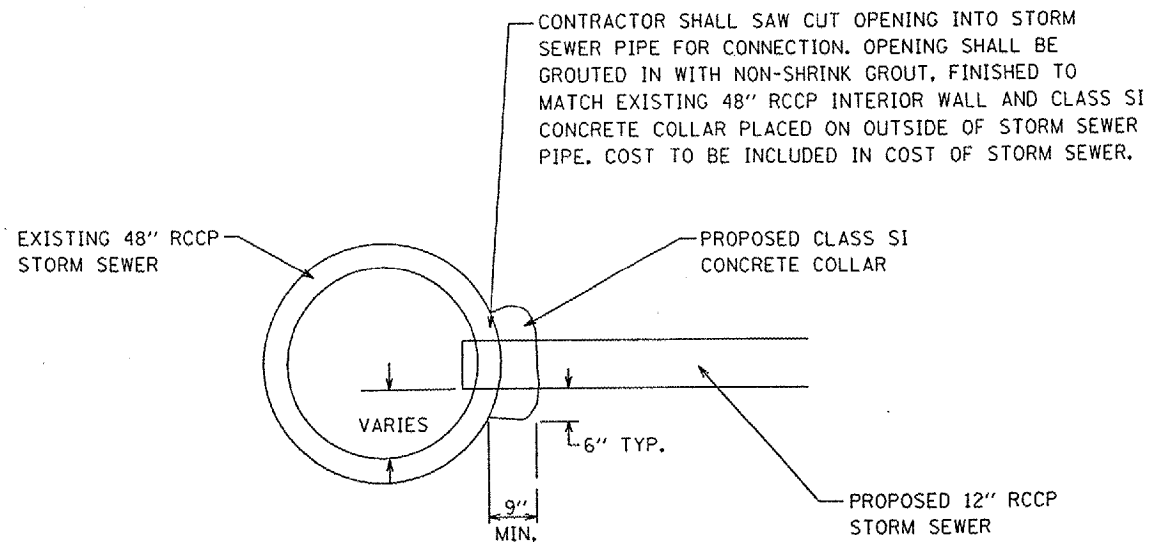


SECTION A-A

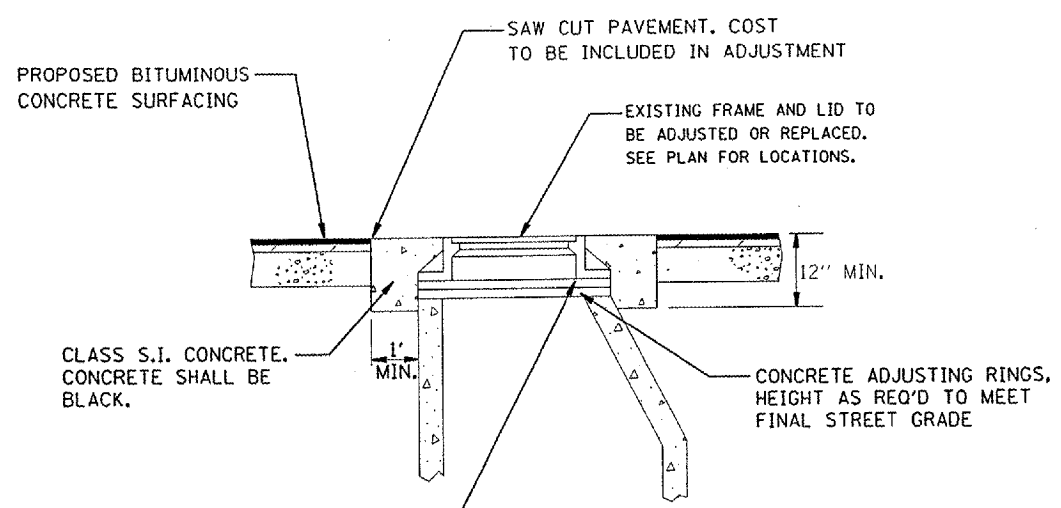
DETAIL OF MEDIAN REMOVAL - MAPLE AVENUE INTERSECTION
 N.T.S.

DRAWN BY <u>M.G.M.</u> CHECKED BY <u>D.B.H.</u> APPROVED BY <u>W.J.S.</u> DATE <u>JANUARY, 2005</u>	CONSTRUCTION DETAILS
REVISIONS: DATE BY <u>3/7/05</u> <u>M.G.M.</u>	MACOMB, ILLINOIS
FIELD BOOK:	CONSULTING ENGINEERS / LAND SURVEYORS 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852
SCALE:	JOB NO. <u>04e1466</u> SHEET <u>26</u> OF <u>66</u>



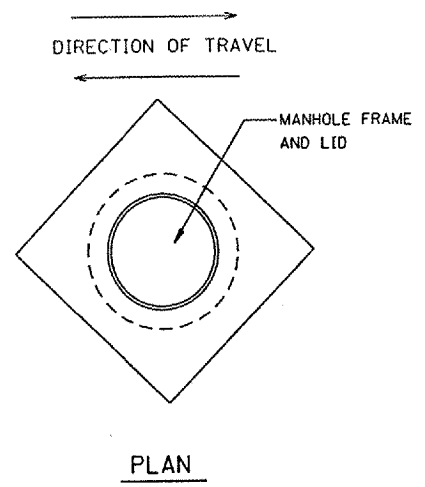


DETAIL OF STORM SEWER PIPE CONNECTION - STA. 33+10.00, RT.
 N.T.S.

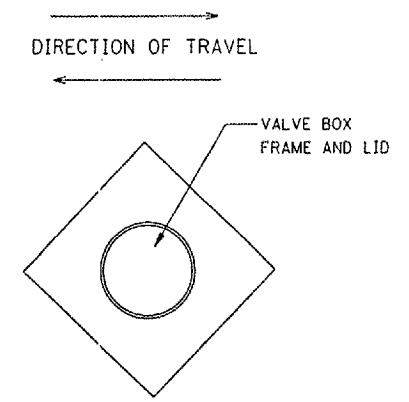


SECTION

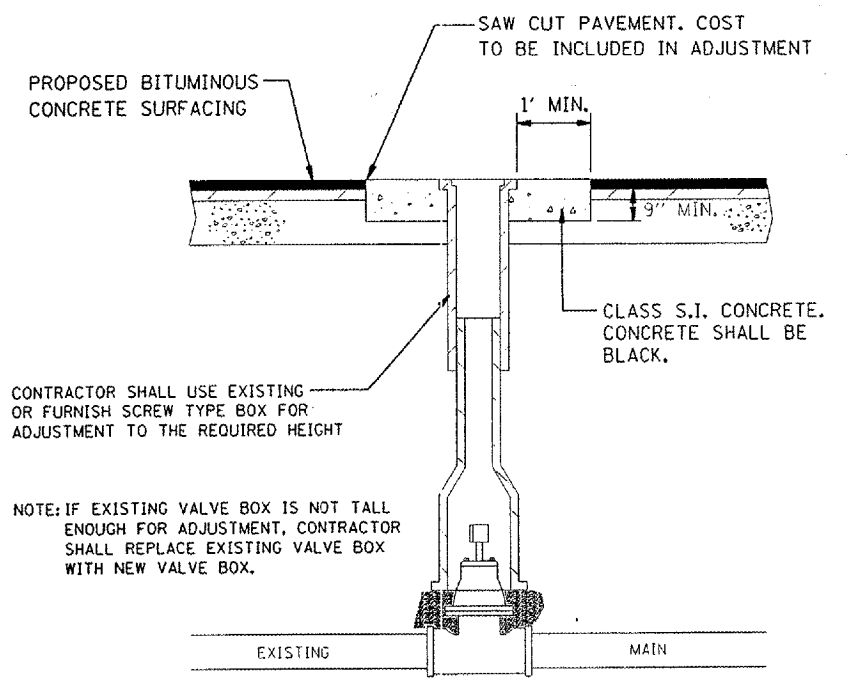
DETAIL OF FRAME AND LID TO BE ADJUSTED
 N.T.S.



PLAN



PLAN



SECTION

DETAIL OF VALVE BOX TO BE ADJUSTED
 N.T.S.

DRAWN BY HLG.M.
 CHECKED BY C.B.H.
 APPROVED BY V.L.S.
 DATE JANUARY, 2005

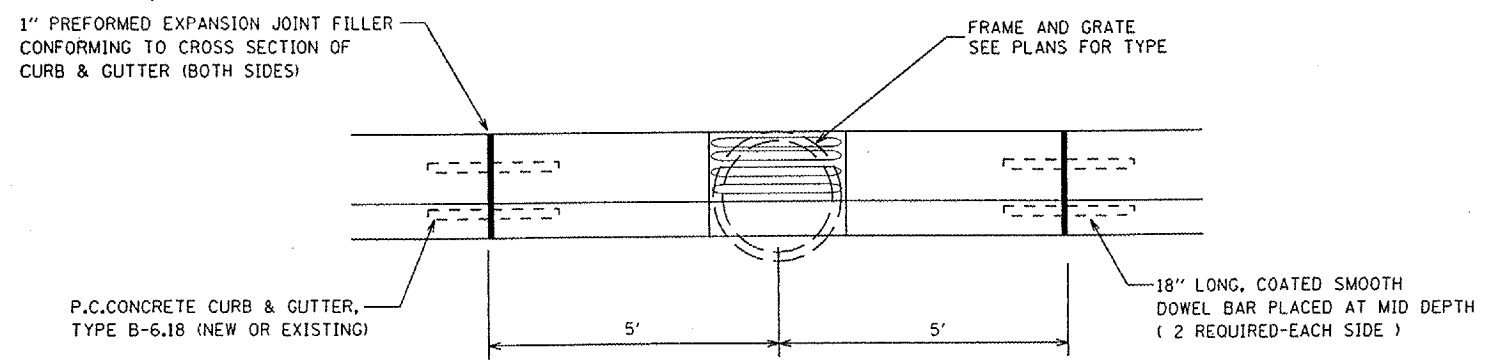
CONSTRUCTION DETAILS

REVISIONS	
DATE	BY

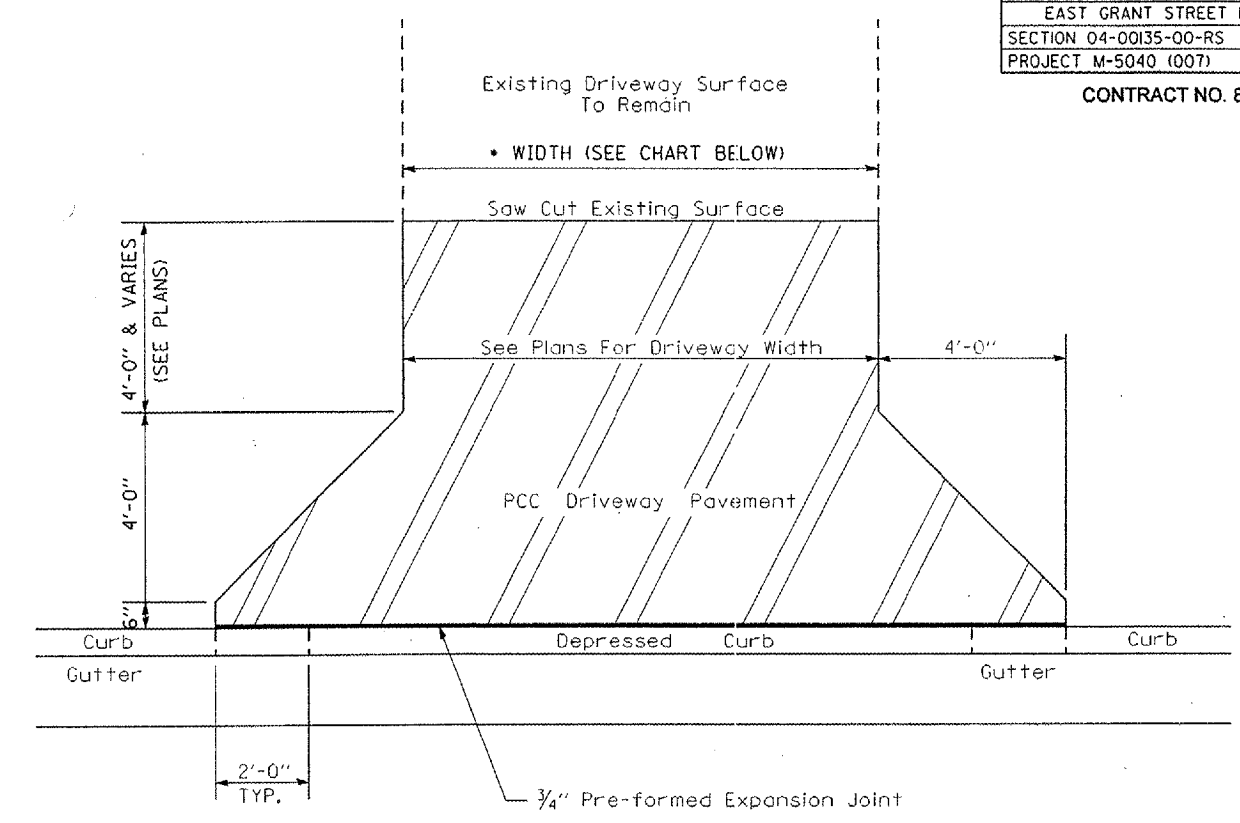
MACOMB, ILLINOIS

BA
 BENTON & ASSOCIATES INC.
 Consulting Engineers / Land Surveyors
 1970 West Lafayette Avenue
 Jacksonville, Illinois 62650
 Phone : 217-245-4146
 Fax : 217-245-4149
 IL Design Firm Registration No. 184-000852

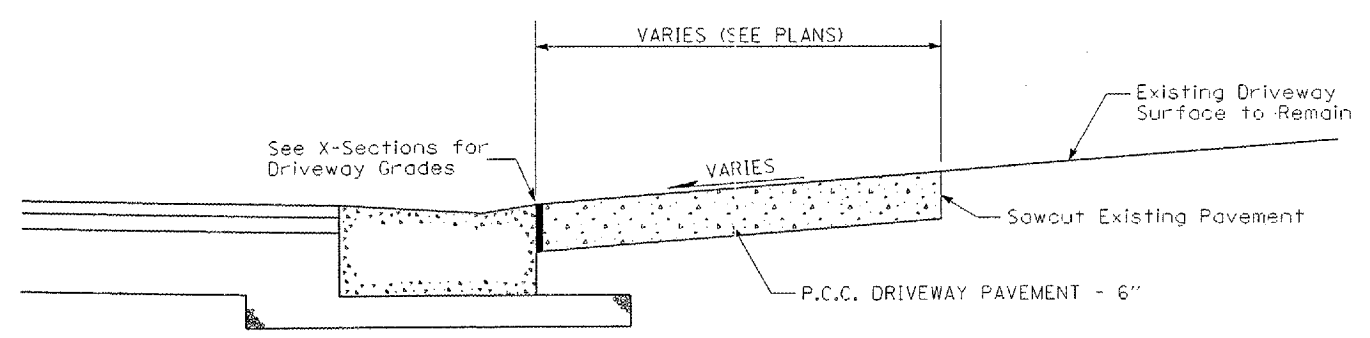
CONTRACT NO. 89337



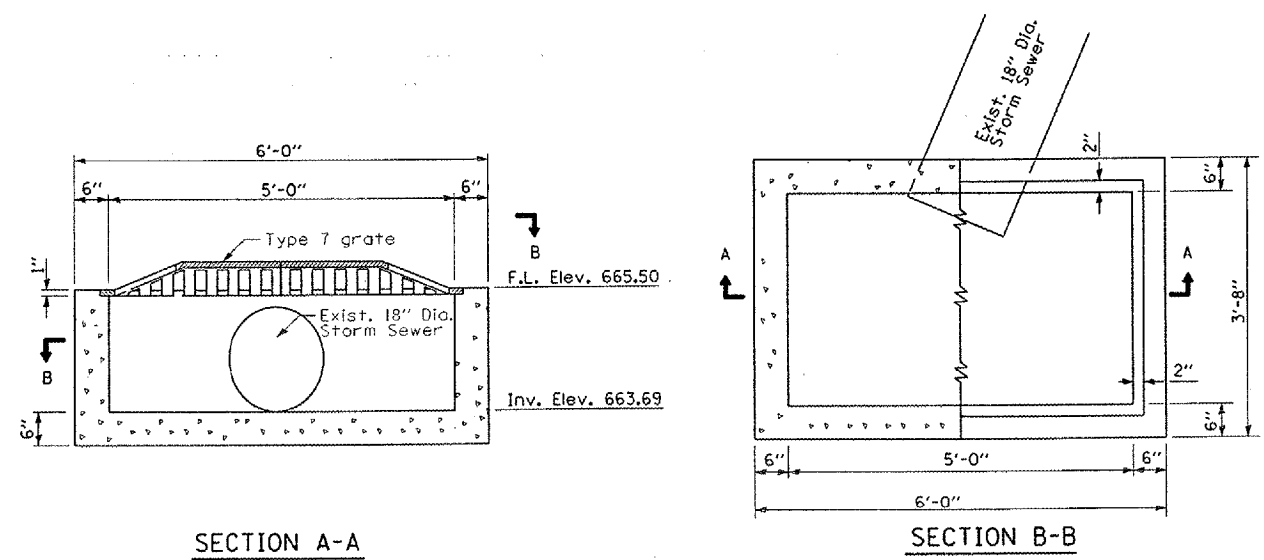
DETAIL CURB AND GUTTER INLET EXPANSION JOINT
 N.T.S.



PLAN



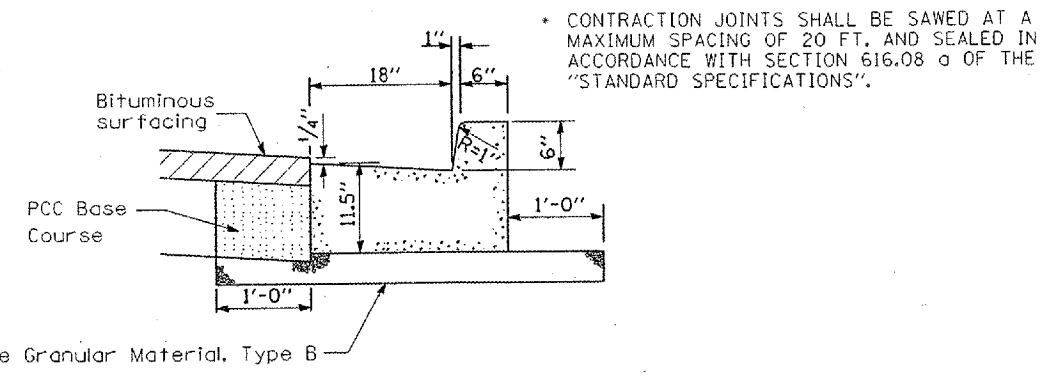
TYPICAL DRIVEWAY ENTRANCE
 N.T.S.



SECTION A-A

SECTION B-B


**CATCH BASIN
 TYPE B (SPECIAL)**
 STA 8+84.00, 29.80' RT (CENTER)

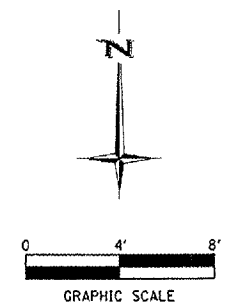


**DETAIL OF PROPOSED
 COMBINATION CURB & GUTTER - TYPE B-6.18**
 N.T.S.

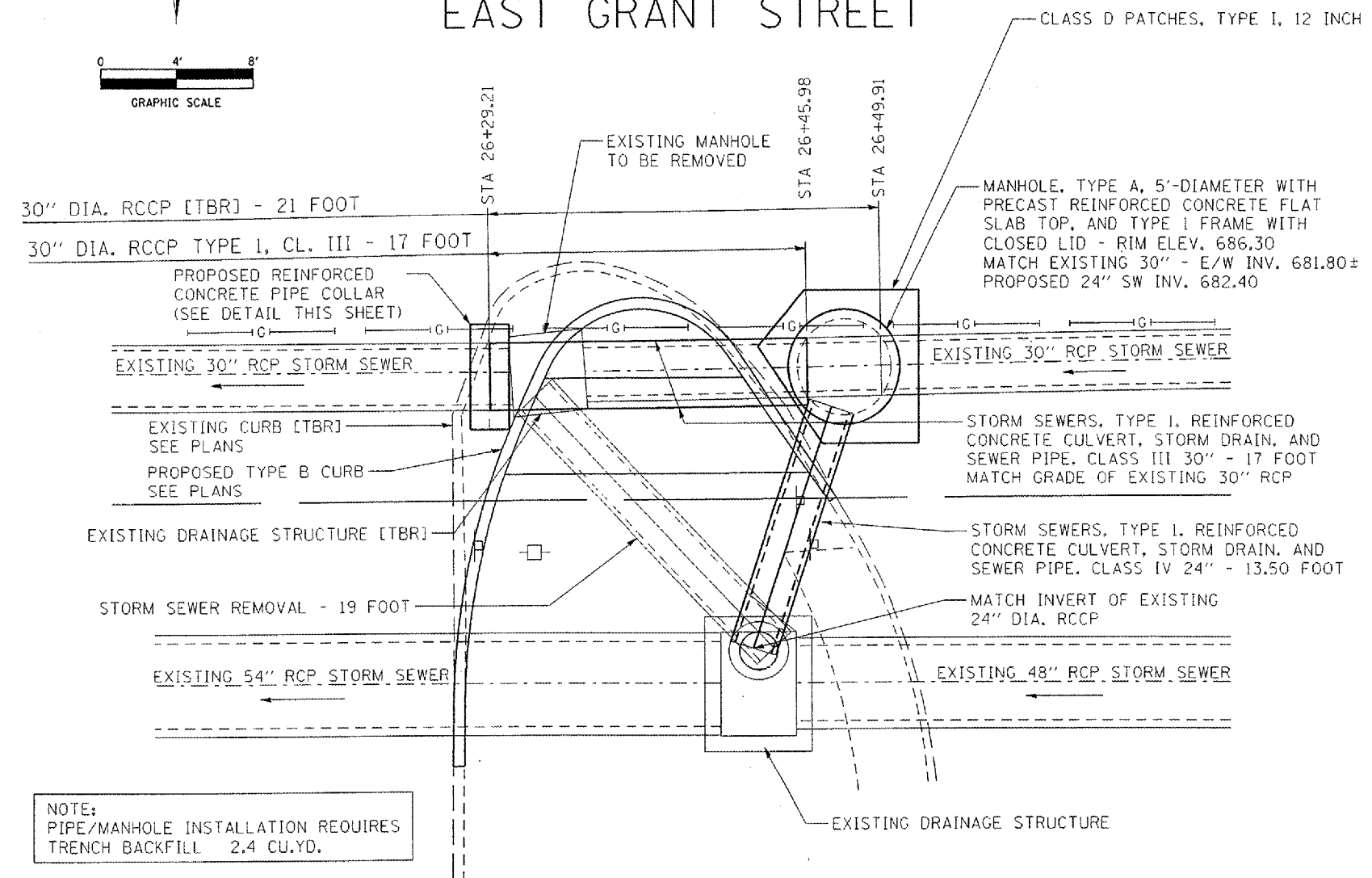
* CONTRACTION JOINTS SHALL BE SAWED AT A MAXIMUM SPACING OF 20 FT. AND SEALED IN ACCORDANCE WITH SECTION 616.08 OF THE "STANDARD SPECIFICATIONS".

LOCATION	*WIDTH	LOCATION	*WIDTH
STA 6+08 LT	12	STA 24+16.80 RT	18
STA 9+01 RT	16	STA 24+20.30 LT	21
STA 14+12.70 RT	18	STA 25+29.36 LT	12
STA 14+47.40 LT	24	STA 26+54 LT	20
STA 15+38.30 LT	14	STA 27+07 LT	20
STA 15+49 RT	18	STA 28+09 LT	20
STA 15+79.30 LT	14.5	STA 28+76 LT	20
STA 17+01.20 RT	14	STA 29+34 LT	22
STA 17+14.30 LT	12	STA 30+00 LT	18
STA 18+06.65 LT	12	STA 32+54.50 LT	12
STA 18+32 RT	12	STA 32+81 LT	13
STA 18+60 RT	18	STA 34+26 RT	31
STA 18+95 RT	18	STA 44+31 RT	16
STA 19+20.30 LT	14	STA 45+86.30 RT	18
STA 20+31 RT	10	STA 50+20.40 RT	24
STA 20+76.15 LT	12.5	STA 51+58 RT	24
STA 23+55 LT	24		

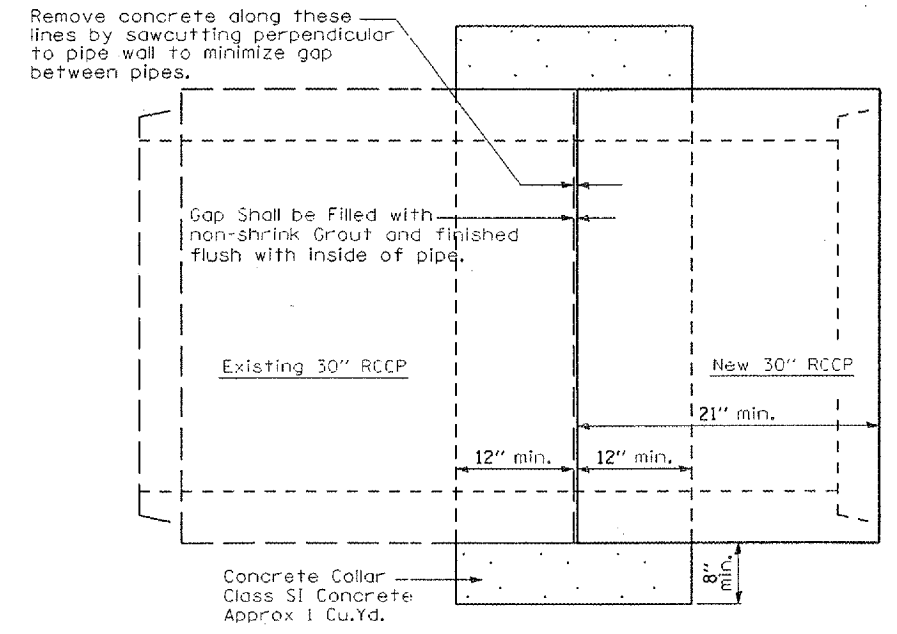
DRAWN BY <u>D.B.H.</u> CHECKED BY <u>W.G.M.</u> APPROVED BY <u>W.J.S.</u> DATE <u>JANUARY, 2006</u>	CONSTRUCTION DETAILS
REVISIONS DATE BY	MACOMB, ILLINOIS  Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4148 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852



EAST GRANT STREET



NOTE:
 PIPE/MANHOLE INSTALLATION REQUIRES
 TRENCH BACKFILL 2.4 CU.YD.



PLAN
 (Not to Scale)

REINFORCED CONCRETE PIPE COLLAR

DRAWN BY <u>D.B.H.</u> CHECKED BY <u>M.G.M.</u> APPROVED BY <u>W.J.S.</u> DATE <u>JANUARY, 2005</u>	CONSTRUCTION DETAILS
REVISIONS DATE BY	MACOMB, ILLINOIS
BENTON & ASSOCIATES INC.	Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852

WATER MAIN AND SERVICES

ALL NEW CONSTRUCTION, CONNECTIONS TO, AND/OR ADJUSTMENTS OF EXISTING WATER MAINS SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, FIFTH EDITION, MAY, 1996" AND THE LATEST EDITION OF THE ILLINOIS PLUMBING CODE.

PROPOSED WATER MAIN SHALL HAVE A MINIMUM OF 48" COVER, EXCEPT AS NOTED OR ON ILLINOIS DEPARTMENT OF TRANSPORTATION (I.D.O.T.) RIGHT-OF-WAY WHERE IT SHALL BE 54" MIN.

POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO THE LATEST AWWA STANDARDS FOR PVC, SDR-21 CLASS 200.

ALL FITTINGS SHALL BE DUCTILE IRON, MECHANICAL JOINT:

- ALL 2" FITTINGS SHALL BE GRAY OR DUCTILE IRON CLASS 250 MINIMUM, AND SHALL BE PRODUCED IN STRICT ACCORDANCE WITH ANSI / AWWA C110 /A21.10 AND ANSI/AWWA C111/A21.11.
- ALL 3" THROUGH 16" FITTINGS SHALL BE PRODUCED IN STRICT ACCORDANCE WITH ALL APPLICABLE TERMS AND PROVISIONS OF ANSI/AWWA C153/A21.53 AND ANSI/AWWA C111/A21.11. THE WORKING PRESSURE RATING SHALL BE 250 PSI.

ALL SADDLES SHALL BE DOUBLE STRAP OR WIDE BAND CLAMP MEETING ORDINANCE OF THE MUNICIPALITY.

TRACER - THE CONTRACTOR SHALL FURNISH AND INSTALL ALONG THE ENTIRE ROUTE OF THE WATER MAIN A #12, AWG, THW SINGLE CONDUCTOR COPPER LOCATOR WIRE. THE WIRE SHALL BE INSTALLED JUST ABOVE THE CROWN OF THE PIPE AND SHALL BE BROUGHT TO THE TOP OF EACH VALVE BOX AND TERMINATED THERE WITH ONE FOOT MIN. LENGTH OF WIRE OUTSIDE OF THE VALVE BOX. SPLICE SHALL BE MADE USING A DIRECT BURY SPLICE KIT, SUCH AS 3M PART No. 054007-09053, OR EQUAL. THE TRACER WIRE SHALL BE TESTED BY THE CONTRACTOR FOR CONTINUITY. THE COST OF THE LOCATOR WIRE AND ITS INSTALLATION SHALL BE INCIDENTAL THE COST OF THE WATER MAIN INSTALLATION.

ALL THRUST BLOCKS SHALL BE POURED PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SEC. 41-2.09 OF THE STANDARD SPECIFICATIONS. * RETAINER GLANDS SHALL BE USED IN CONJUNCTION WITH THRUST BLOCKING.

WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH SEC. 41-2.13 OF THE STANDARD SPECIFICATIONS.

DISINFECTION SHALL BE IN ACCORDANCE WITH SEC. 41-2.14 OF THE STANDARD SPECIFICATIONS.

CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN AND SERVICES MATERIALS AND SIZES PRIOR TO ORDERING THE REQUIRED TAPPING SLEEVES AND/OR FITTINGS - NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING IF NEEDED, COST OF LABOR, MATERIALS, AND EQUIPMENT IS INCIDENTAL TO THE CONTRACT.

BACKFILL FOR WATER MAIN & WATER SERVICE LINES TO THE SUB-GRADE SHALL BE IN ACCORDANCE WITH SECTION 20-2.21B OF THE STANDARD SPECIFICATIONS AND SHALL BE FA-6 MATERIAL.

SANITARY SEWER CONSTRUCTION NOTES

ALL NEW CONSTRUCTION, CONNECTIONS TO, AND/OR ADJUSTMENTS OF EXISTING SANITARY SEWER SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, FIFTH EDITION, MAY, 1996" AND THE LATEST EDITION OF THE ILLINOIS PLUMBING CODE.

CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN FLOW OF EXISTING SANITARY SEWER MAINS. MAINS ARE TO REMAIN OPERATIONAL DURING REPAIRS AND/OR REPLACEMENT. COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

P.V.C. GRAVITY SEWER PIPE SHALL CONFORM TO ASTM D-3034, STANDARD SPECIFICATION FOR TYPE PSM POLY(VINYL-CHLORIDE) (PVC) SEWER PIPE AND FITTINGS, AND SHALL BE SDR-26 WALL THICKNESS. ALL PIPE SHALL UTILIZE INTEGRAL GASKET JOINTS MEETING THE REQUIREMENTS OF ASTM D-3212. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F-477.

ALL SANITARY SEWER MANHOLES SHALL BE TYPE A, WITH TYPE 1 FRAME AND CLOSED LID IN ACCORDANCE WITH DIVISION V/ STANDARD DRAWING No. 3 OF THE STANDARD SPECIFICATIONS.

BACKFILL FROM 12" ABOVE TOP OF PIPE TO SUB-GRADE SHALL BE IN ACCORDANCE WITH SECTION 20-2.21B OF STANDARD SPECIFICATIONS AND SHALL BE CA-6 MATERIAL.

COMPACTION OF BACKFILL SHALL BE MADE BY RAMMING OR TAMPING TO MEET 95% STANDARD PROCTOR (ASTM D698).

BEDDING OF SEWER PIPE SHALL BE CA-7 MATERIAL AND SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, FIFTH EDITION, SECTION 20-2.20.

CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING, IF NEEDED. COST OF LABOR, MATERIALS, AND EQUIPMENT IS INCIDENTAL TO THE CONTRACT.

ALL SANITARY SEWER MAINS SHALL BE DEFLECTION TESTED IN ACCORDANCE WITH SEC. 31-1.11B (4) OF THE STANDARD SPECIFICATIONS.

ALL SANITARY SEWER MAINS SHALL BE AIR TESTED IN ACCORDANCE WITH SEC.31-1.11B (3) OF THE STANDARD SPECIFICATIONS.

MANHOLES SHALL BE LEAK TESTED IN ACCORDANCE WITH EPA TITLE 35, SECTION 370.330, e) 2) WHICH REFERS THAT LEAK TESTING SHALL BE IN ACCORDANCE WITH ASTM C1244-93 "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE PRESSURE (VACJUM) TEST".

CONTRACTOR WILL BE PROVIDED HORIZONTAL & VERTICAL LOCATION OF ALL PROPOSED MANHOLES.

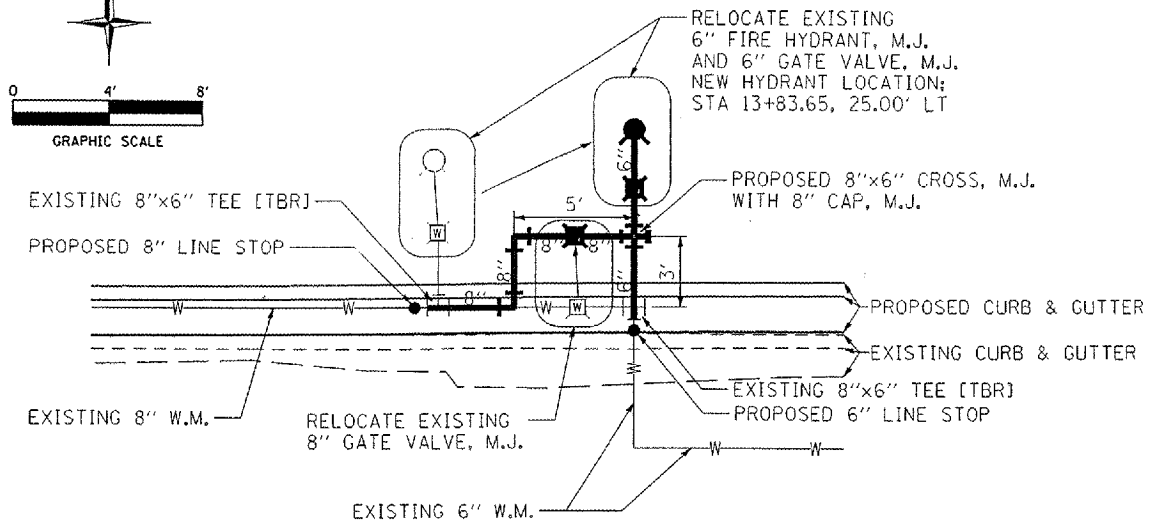
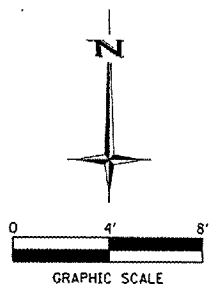
EXISTING SANITARY SEWER PIPES, MANHOLES, STORM SEWER INLETS AND ALL MATERIALS TO BE REMOVED, SHALL BE LAWFULLY DISPOSED OF OFF-SITE. CONTRACTOR SHALL DELIVER FRAME & LID OR GRATE TO CITY GARAGE, INCIDENTAL TO THE CONTRACT.

CONTRACTOR SHALL VERIFY DEPTHS OF ALL MANHOLES BEFORE ORDERING.

CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO PAVEMENT SURFACES THAT ADJOIN THE CONSTRUCTION SITE BUT ARE NOT A PART THEREOF. COST OF LABOR, MATERIALS AND EQUIPMENT TO REPAIR THIS DAMAGE IS INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR SHALL REMOVE AND REPLACE ALL STREET SIGNS AS NEEDED, OR AS DIRECTED BY THE ENGINEER, INCIDENTAL TO THE CONTRACT.

DRAWN BY <u>D.B.H.</u> CHECKED BY <u>M.G.M.</u> APPROVED BY <u>W.J.S.</u> DATE <u>JANUARY, 2005</u>	WATER & SANITARY SEWER DETAILS																						
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>3/7/05</td> <td>M.G.M.</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS		DATE	BY	3/7/05	M.G.M.																	MACOMB, ILLINOIS  BENTON & ASSOCIATES INC. Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4148 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852
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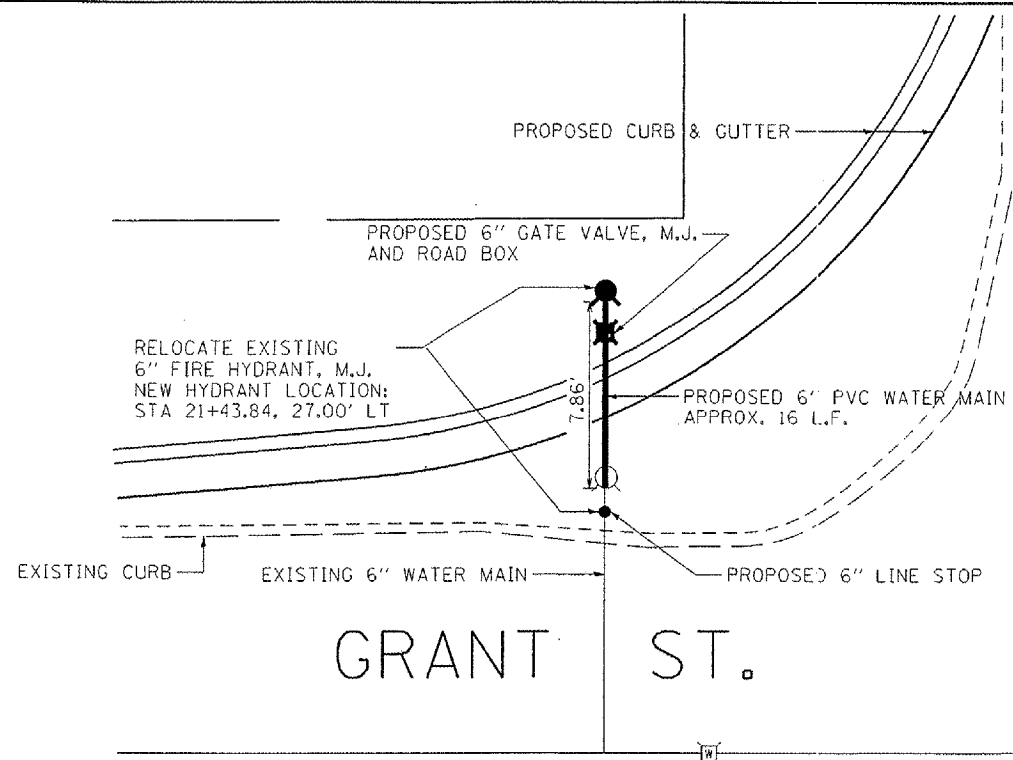
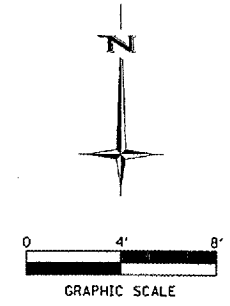


GRANT ST.

MATERIAL QUANTITIES REQ'D FOR FIRE HYDRANT RELOCATION

- 1) 6" DIA. PVC WATER MAIN (SDR-21) 7 L.F.
- 2) 8" DIA. PVC WATER MAIN (SDR-21) 9 L.F.
- 3) 6" LINE STOP 1 EA.
- 4) 8" LINE STOP 1 EA.
- 5) 8"x6" D.I. CROSS, M.J. 50 LB.
- 6) 8" - 90° BEND, M.J. 50 LB.
- 7) 8" GATE VALVE, M.J. & ROAD BOX 1 EA.
- 8) 6" GATE VALVE, M.J. & ROAD BOX 1 EA.
- 9) TRENCH BACKFILL 7.6 CU.YD.

* NOTE: ALL EXISTING WATER MAIN BETWEEN PROPOSED LINE STOPS IS TO BE REMOVED



GRANT ST.

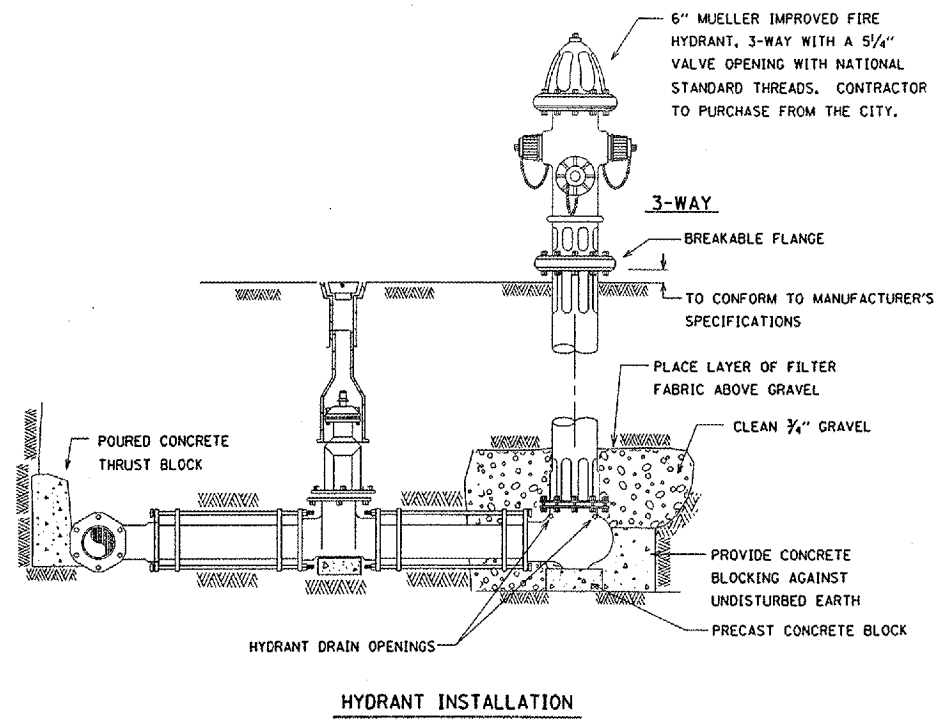
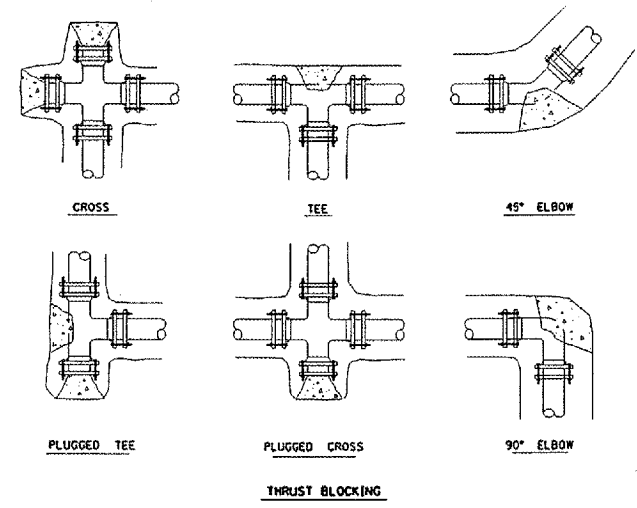
DUDLEY ST.

MATERIAL QUANTITIES REQ'D FOR FIRE HYDRANT RELOCATION

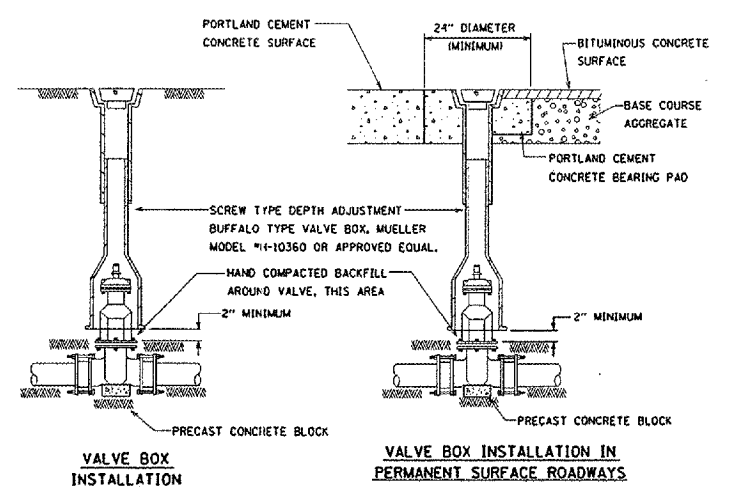
- 1) 6" DIA. PVC WATER MAIN (SDR-21) 16 L.F.
- 2) 6" LINE STOP 1 EA.
- 3) 6" GATE VALVE, M.J. & ROAD BOX 1 EA.
- 4) TRENCH BACKFILL 7.4 CU.YD.

- ALL FITTINGS SHOWN IN PLAN
- ALL BLOCKS TO BE CLASS SI CONCRETE (3500 PSI / 14 DAYS)
- MINIMUM 2 CU. FT. PER BLOCK

ALL BLOCKS SHALL BE A MINIMUM OF 12" THICK, PLACED BETWEEN SOLID GROUND AND THE FITTINGS, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIRS.



HYDRANT INSTALLATION



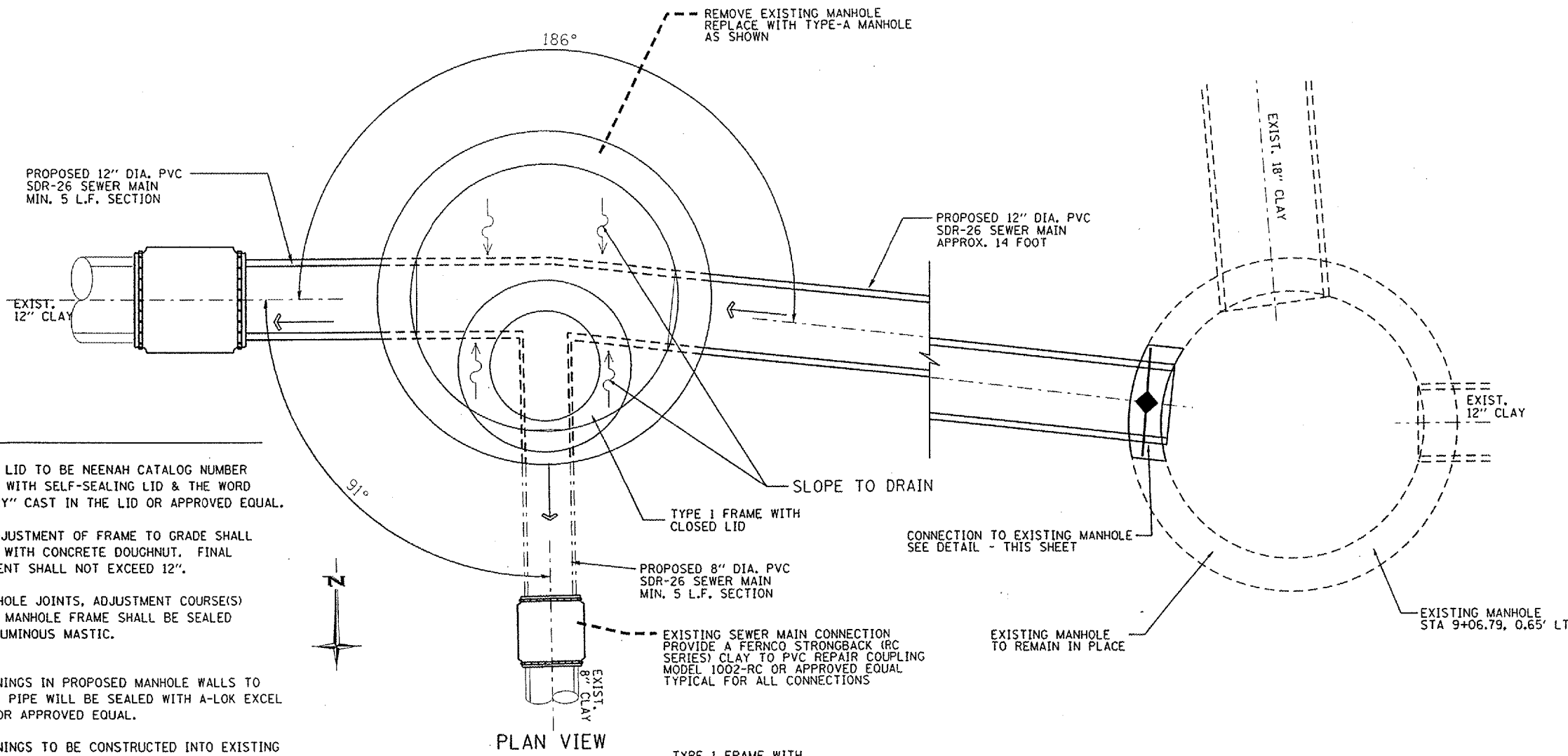
DRAWN BY	D.B.H.
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APPROVED BY	W.J.S.
DATE	JANUARY, 2005
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WATER & SANITARY SEWER DETAILS

MACOMB, ILLINOIS



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NOTES:

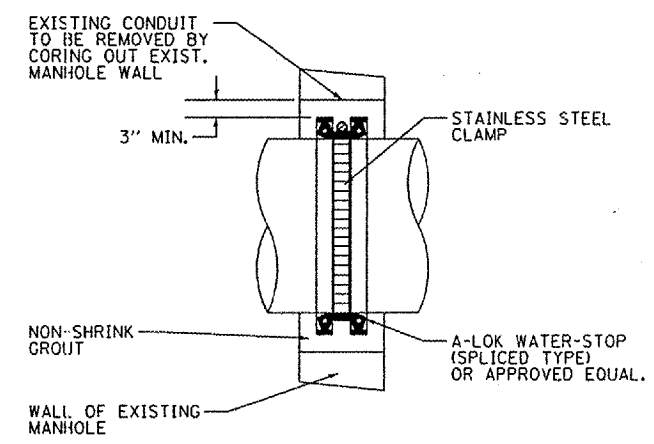
FRAME & LID TO BE NEENAH CATALOG NUMBER R-1772-C WITH SELF-SEALING LID & THE WORD "SANITARY" CAST IN THE LID OR APPROVED EQUAL.

FINAL ADJUSTMENT OF FRAME TO GRADE SHALL BE MADE WITH CONCRETE DOUGHNUT. FINAL ADJUSTMENT SHALL NOT EXCEED 12".

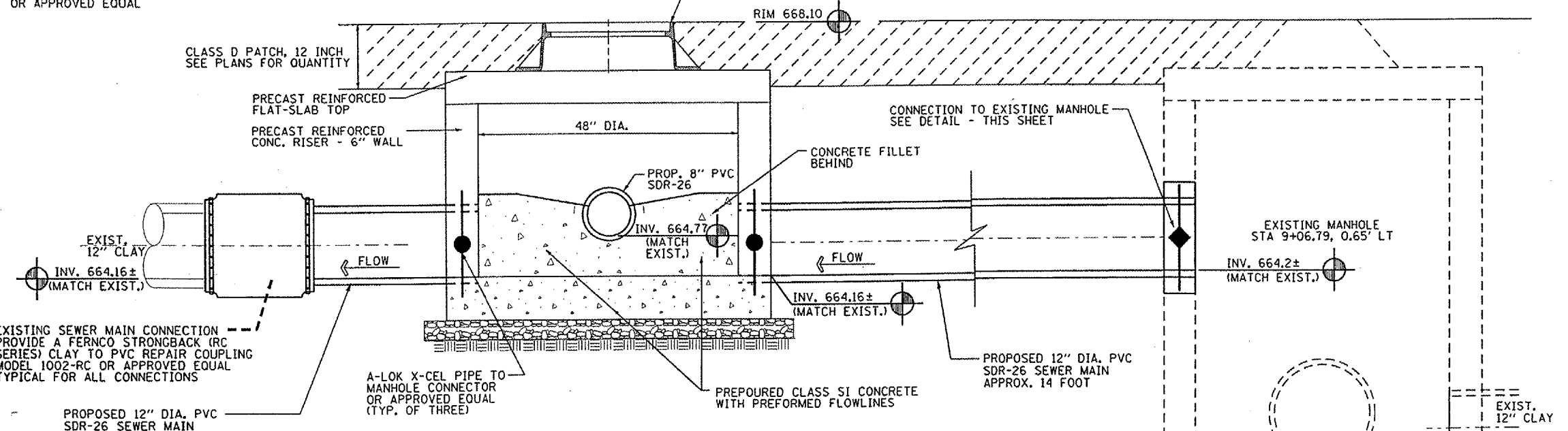
ALL MANHOLE JOINTS, ADJUSTMENT COURSE(S) & UNDER MANHOLE FRAME SHALL BE SEALED WITH BITUMINOUS MASTIC.

ALL OPENINGS IN PROPOSED MANHOLE WALLS TO RECEIVE PIPE WILL BE SEALED WITH A-LOK EXCEL GASKET OR APPROVED EQUAL.

ALL OPENINGS TO BE CONSTRUCTED INTO EXISTING MANHOLE WALLS TO RECEIVE PIPE WILL BE SEALED WITH A-LOK WATERSTOP GASKET (SPliced TYPE) OR APPROVED EQUAL.



CONNECTION TO EXISTING MANHOLE SECTION VIEW



SECTION VIEW
 DETAIL OF MANHOLE, TYPE A (SPECIAL)
 STA 8+89.48, 2.70' LT

EXISTING SEWER MAIN CONNECTION PROVIDE A FERNO STRONGBACK (RC SERIES) CLAY TO PVC REPAIR COUPLING MODEL 1002-RC OR APPROVED EQUAL TYPICAL FOR ALL CONNECTIONS

PROPOSED 12" DIA. PVC SDR-26 SEWER MAIN MIN. 5 L.F. SECTION

DRAWN BY D.B.H.
 CHECKED BY M.G.M.
 APPROVED BY W.J.S.
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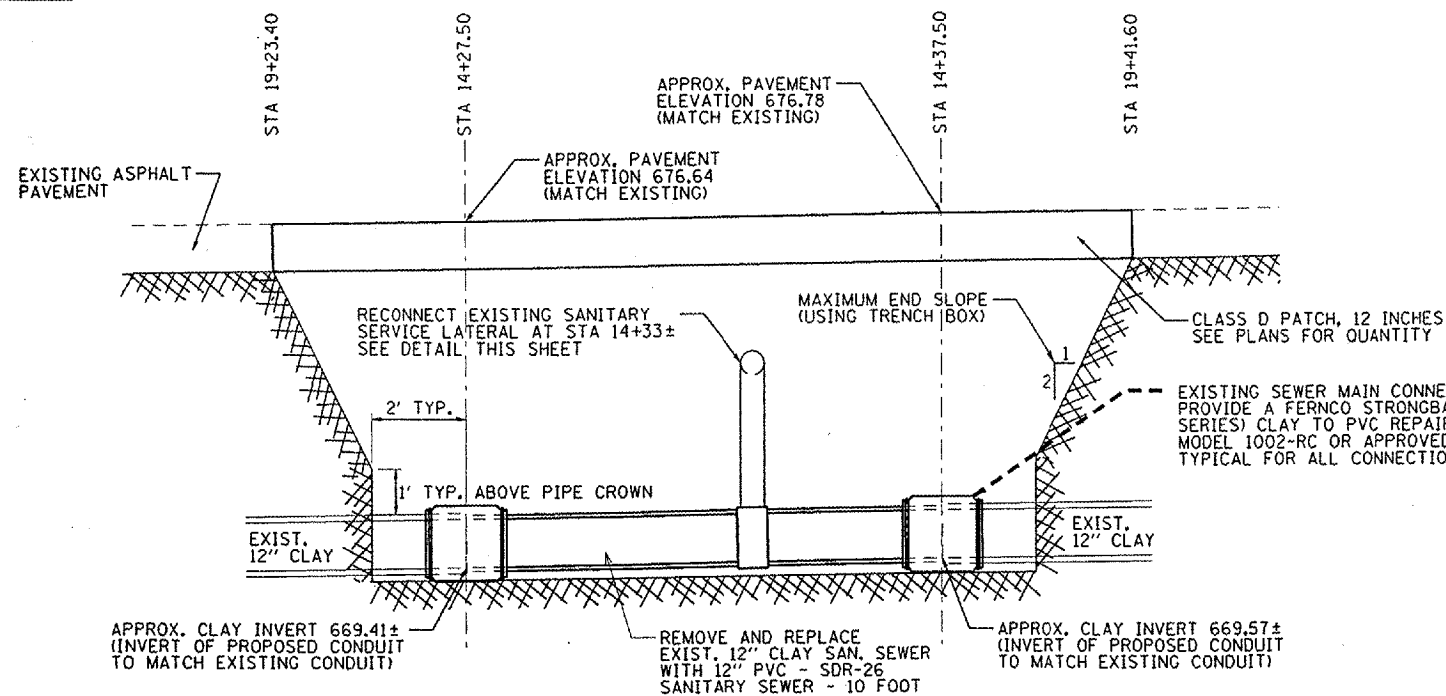
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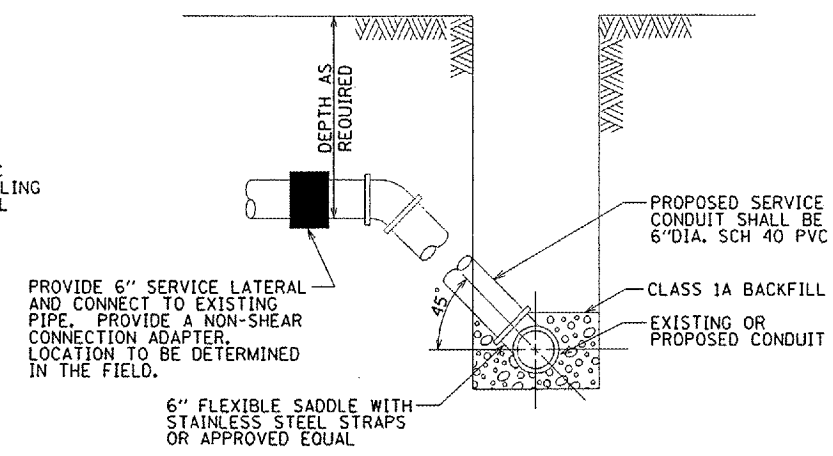
MACOMB, ILLINOIS.



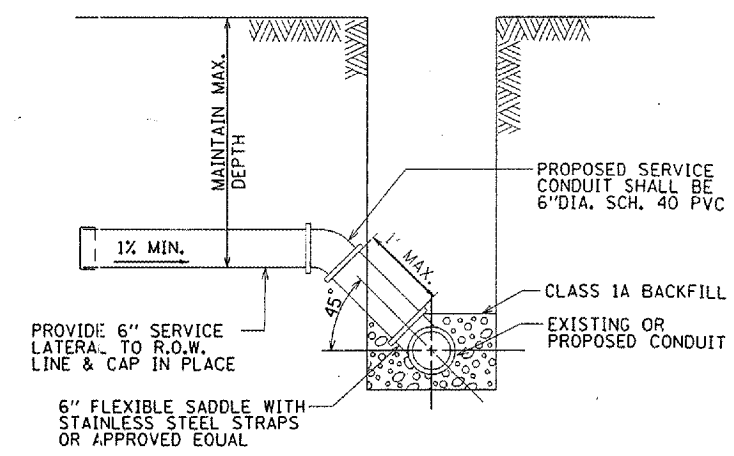
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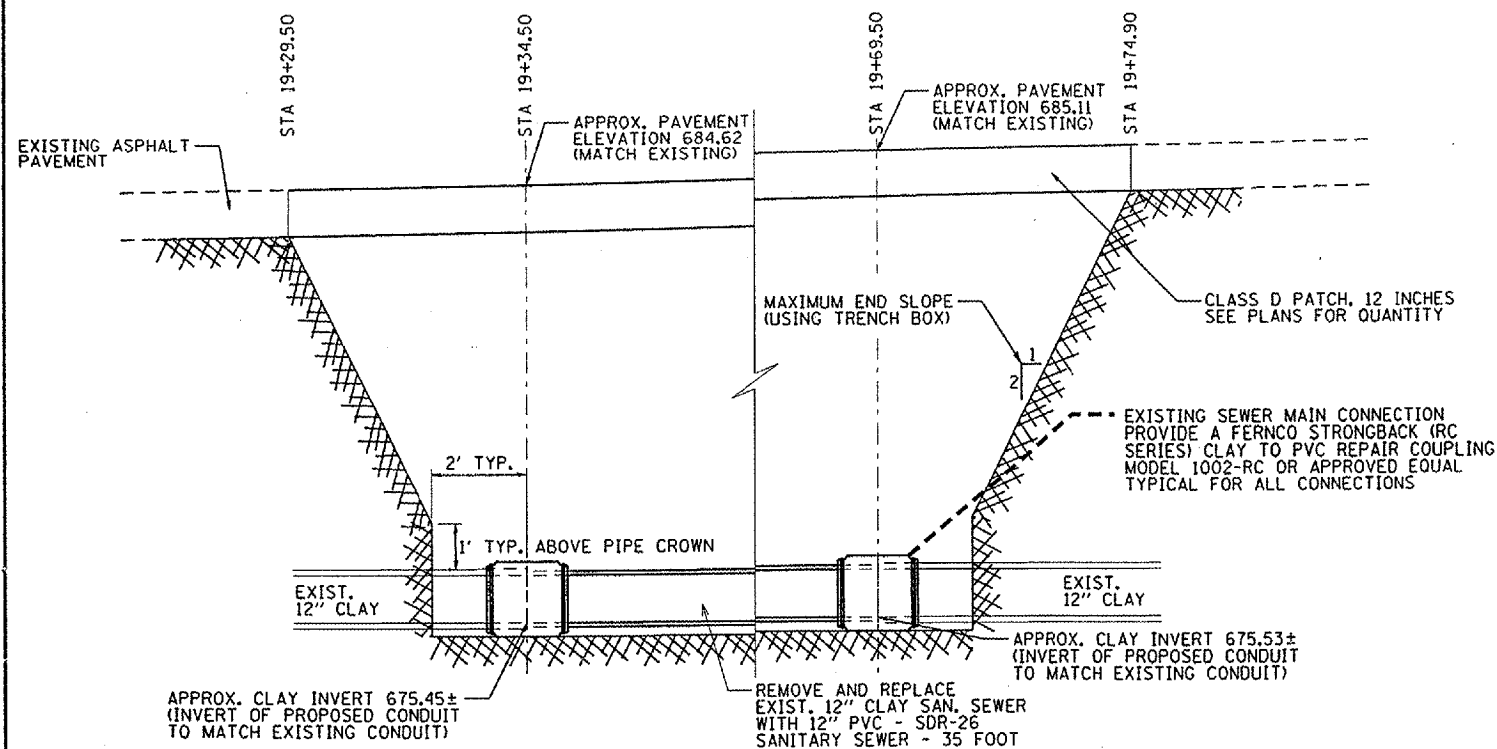
SECTION VIEW
 DETAIL OF SANITARY SEWER REPLACEMENT
 STA 14+27.50 to STA 14+37.50



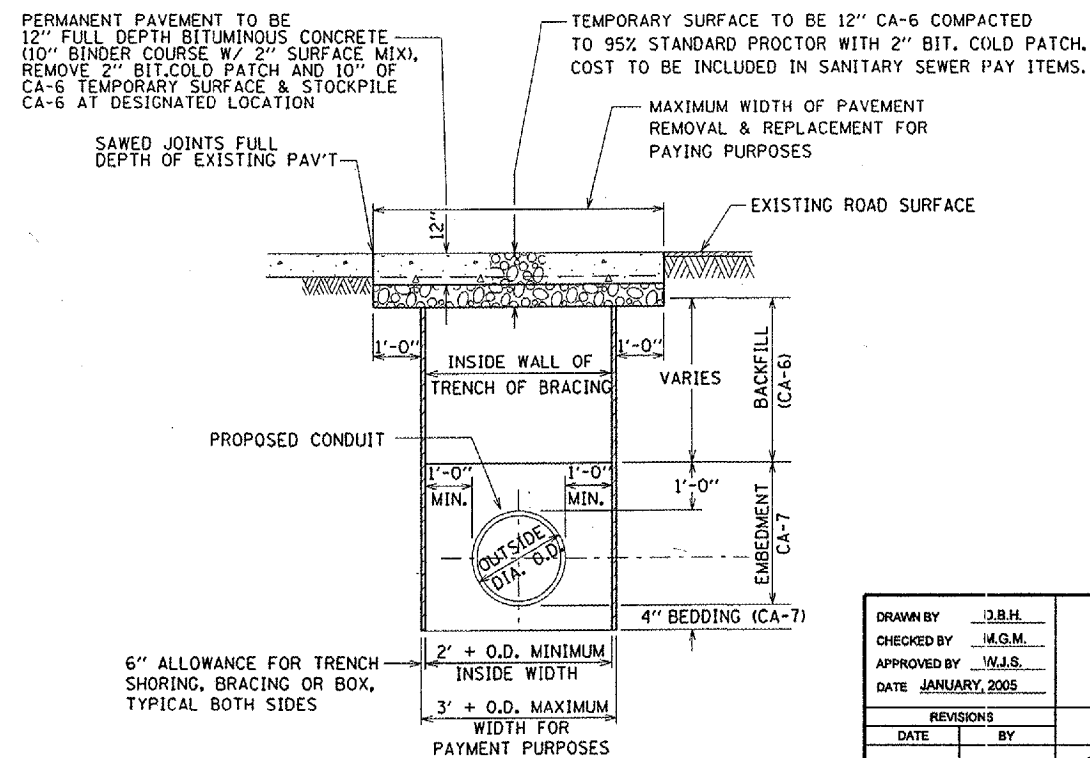
TYPICAL DETAIL OF CONNECTION
 TO EXISTING SERVICE LATERAL
 STA 14+33±



TYPICAL DETAIL OF NEW
 SANITARY SERVICE
 STA 4+95.00



SECTION VIEW
 DETAIL OF SANITARY SEWER REPLACEMENT
 STA 19+34.50 to STA 19+69.50



TYPICAL DETAIL OF SEWER INSTALLATION
 IN GRANT STREET

DRAWN BY J.B.H.
 CHECKED BY W.G.M.
 APPROVED BY W.J.S.
 DATE JANUARY, 2005

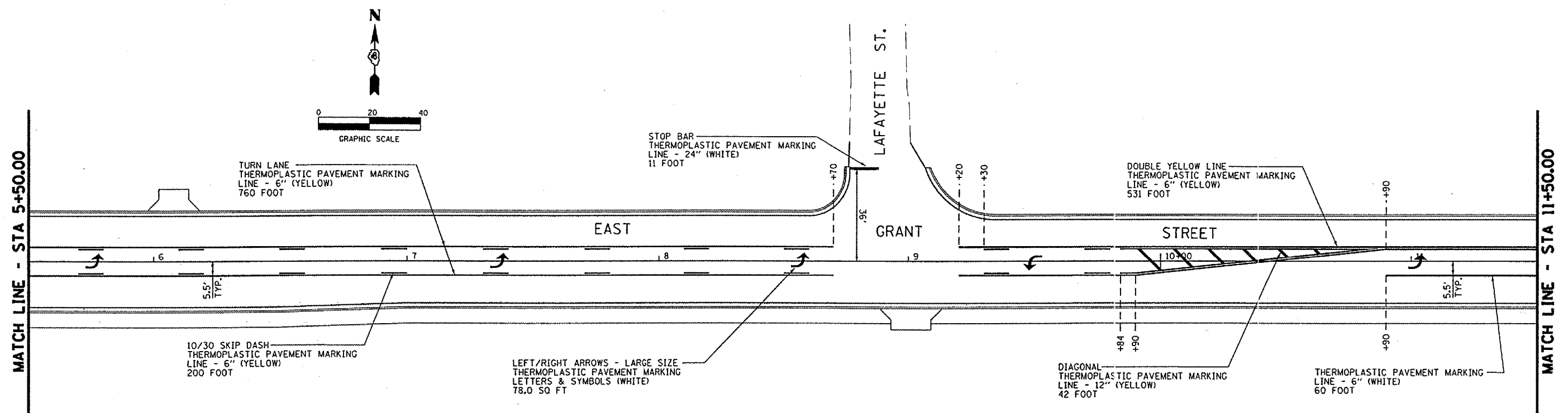
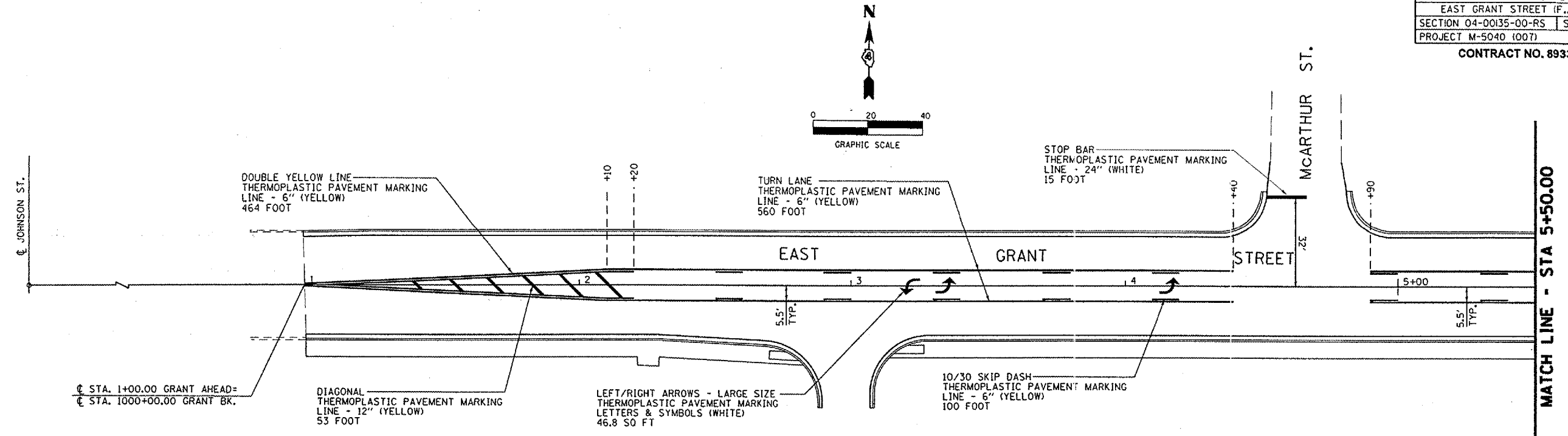
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WATER & SANITARY SEWER DETAILS

MACOMB, ILLINOIS

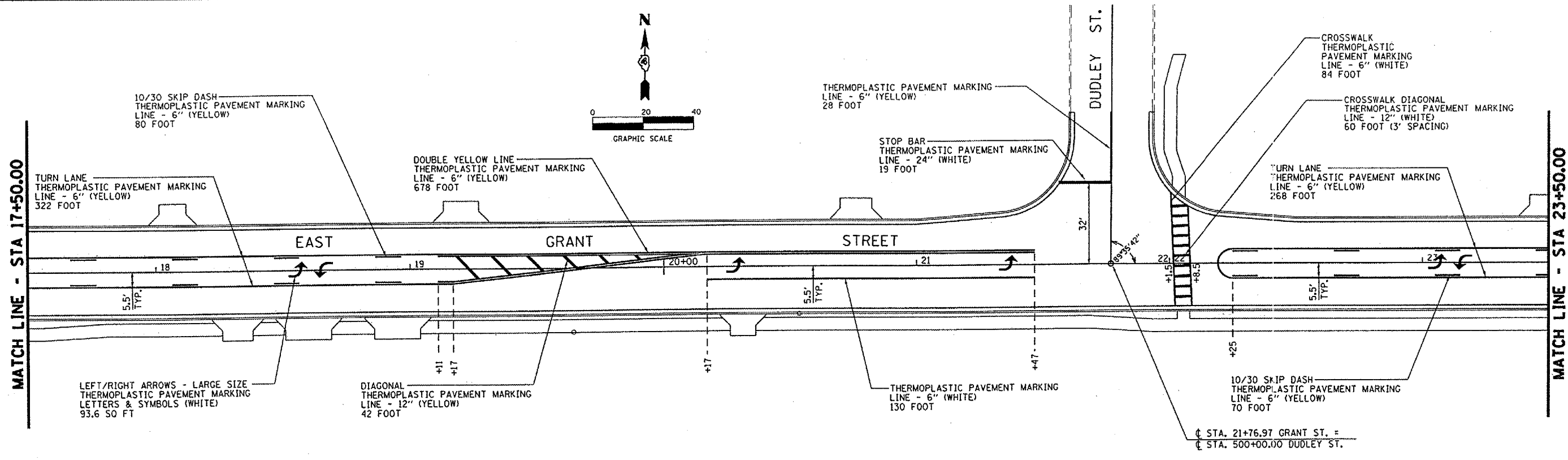
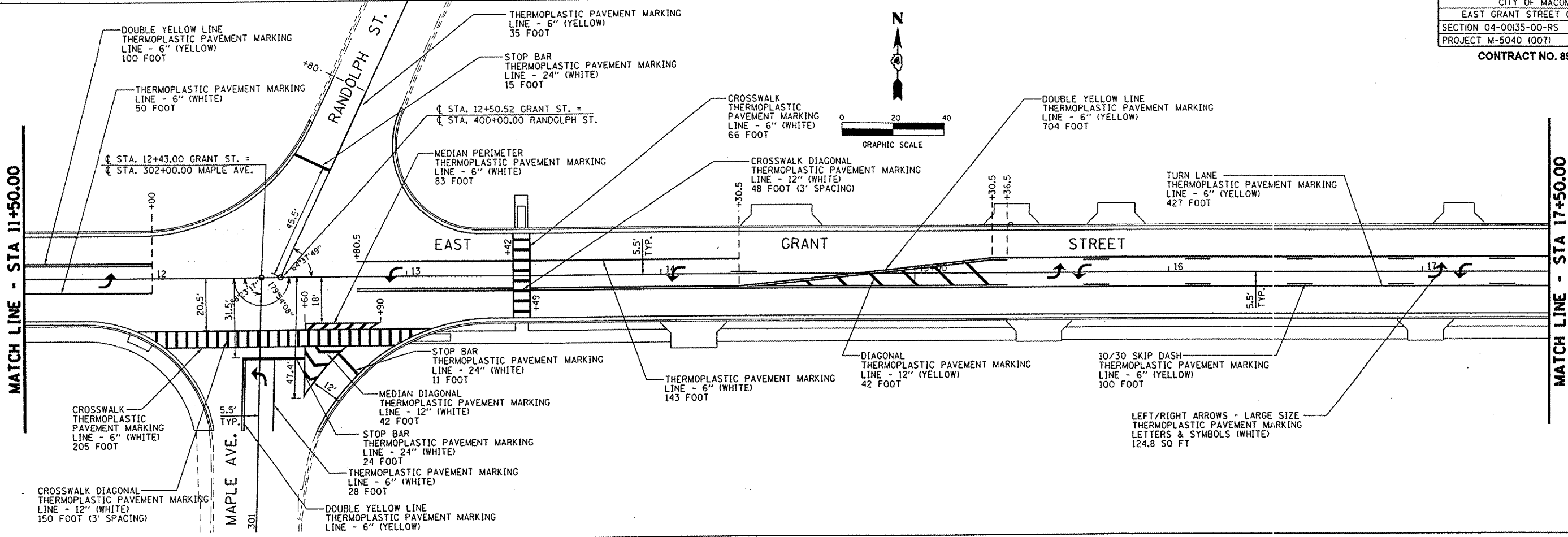
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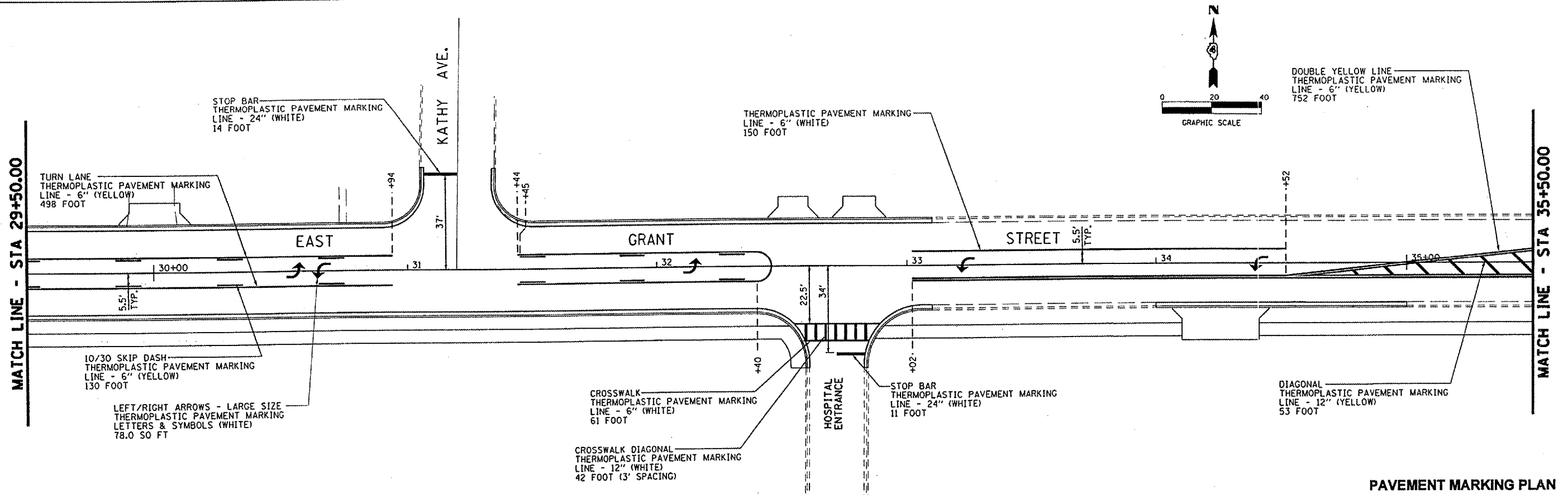
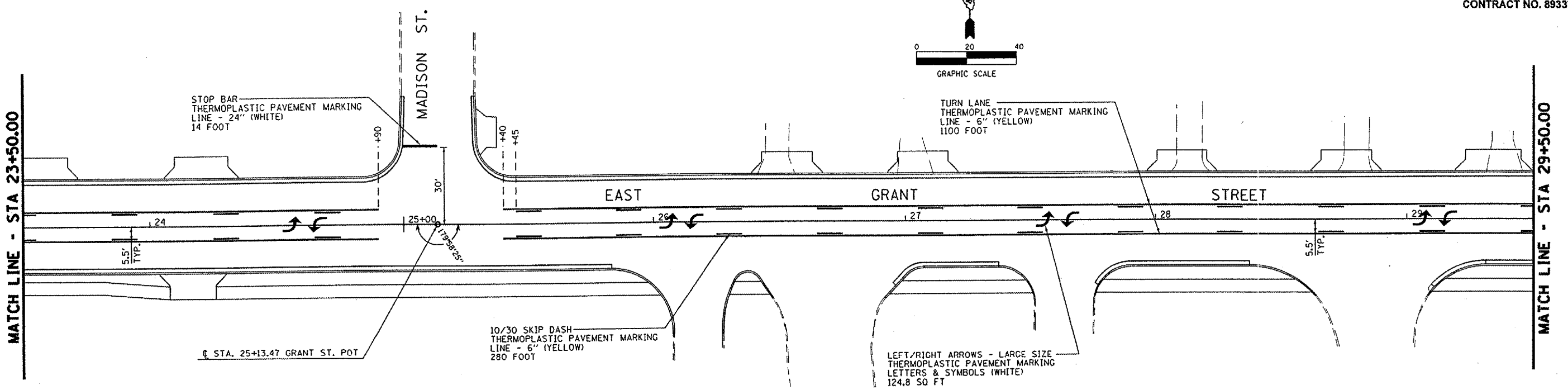
PAVEMENT MARKING PLAN

PLOT DATE : 2/24/2005
 PLOT SCALE : 1/8" = 1'-0"
 REFERENCE : 89337



PAVEMENT MARKING PLAN

PLOT DATE: 2/24/2009
 PLOT SCALE: 1" = 40'-0"
 REFERENCE: SHEET 35 OF 66



PAVEMENT MARKING PLAN

PLOT DATE • 2/24/2005
 PLOT SCALE • 1/8" = 10'-0"
 PLOT NAME • 43.25 / IN.
 REFERENCE • BREF#

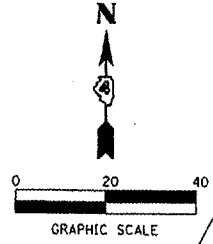
MATCH LINE - STA 35+50.00

MATCH LINE - STA 41+50.00

TURN LANE
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 6" (YELLOW)
 876 FOOT

STOP BAR
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 24" (WHITE)
 14 FOOT

LEFT/RIGHT ARROWS - LARGE SIZE
 THERMOPLASTIC PAVEMENT MARKING
 LETTERS & SYMBOLS (WHITE)
 93.6 SQ FT



CROSSWALK
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 6" (WHITE)
 78 FOOT

CROSSWALK DIAGONAL
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 12" (WHITE)
 54 FOOT (3' SPACING)

STOP BAR
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 24" (WHITE)
 16 FOOT

10/30 SKIP DASH
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 6" (YELLOW)
 240 FOOT

CROSSWALK DIAGONAL
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 12" (WHITE)
 60 FOOT (3' SPACING)

CROSSWALK
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 6" (WHITE)
 90 FOOT

STOP BAR
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 24" (WHITE)
 14 FOOT

MATCH LINE - STA 41+50.00

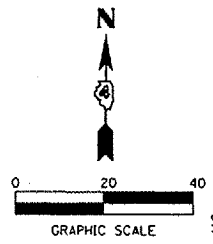
MATCH LINE - STA 47+50.00

STOP BAR
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 24" (WHITE)
 18 FOOT

TURN LANE
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 6" (YELLOW)
 940 FOOT

STOP BAR
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 24" (WHITE)
 14 FOOT

LEFT/RIGHT ARROWS - LARGE SIZE
 THERMOPLASTIC PAVEMENT MARKING
 LETTERS & SYMBOLS (WHITE)
 109.2 SQ FT



10/30 SKIP DASH
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 6" (YELLOW)
 240 FOOT

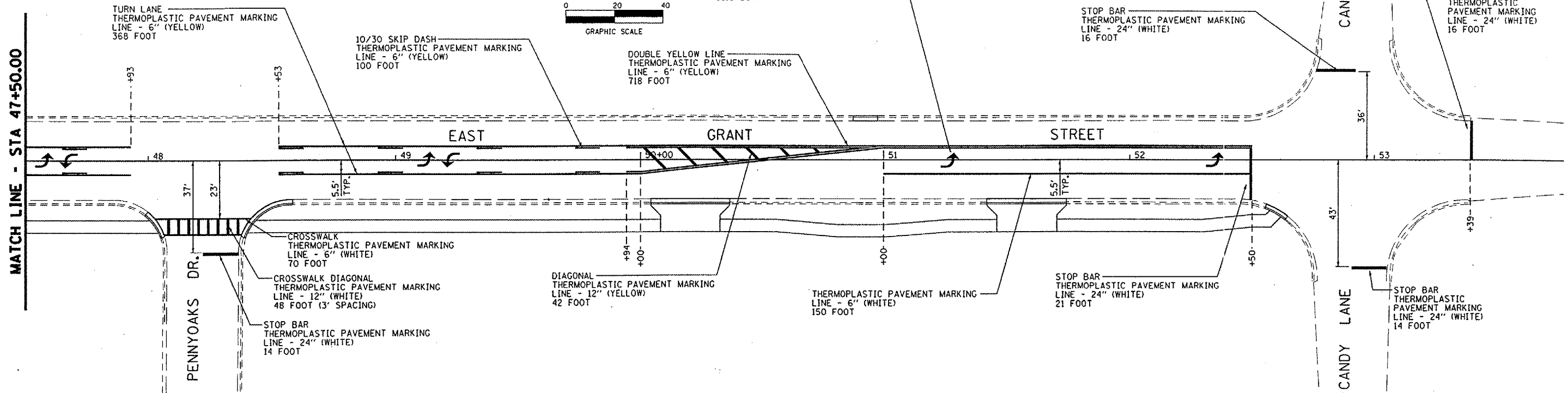
CROSSWALK
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 6" (WHITE)
 64 FOOT

CROSSWALK DIAGONAL
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 12" (WHITE)
 42 FOOT (3' SPACING)

STOP BAR
 THERMOPLASTIC PAVEMENT MARKING
 LINE - 24" (WHITE)
 14 FOOT

PLOT DATE: 2/24/2005
 PLOT SCALE: 1" = 40'
 REFERENCE: DREF9

PAVEMENT MARKING PLAN



ROUTE: FAU 6921
SECTION: 04-00135-00-RS
COUNTY: McDONOUGH COUNTY (DISTRICT 4)

JOB NO.: C-94-065-04
CONTRACT NO.: 89337


STORM WATER POLLUTION PREVENTION PLAN

CITY OF MACOMB
EAST GRANT STREET (F.A.U. 6921)
SECTION 04-00135-00-RS | SH 39 OF 66
PROJECT M-5040 (007)

CONTRACT NO. 89337

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISION OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED, IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.


(SIGNATURE)

MARCH 22, 2005
(DATE)

PROJECT ENGINEER
(TITLE)

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NPDES PERMIT FOR THIS PROJECT.

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES. THE CONTRACTOR SHALL ABIDE TO ALL REQUIREMENTS WITHIN THIS PLAN AS PART OF THE CONTRACT.

THE PURPOSE OF THIS PLAN IS TO PREVENT / MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF THE YEAR AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY EROSION CONTROL SYSTEMS AND TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN SPECIAL DETAILS AND IN STANDARD 280001 OF THE PLANS.

THE SPECIAL PROVISIONS TEMPORARY SEEDING, TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL ADDITIONALLY SUPPLEMENT THIS PLAN.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROPOSED PROJECT CONSISTS OF THE REHABILITATION FAU 6921 (EAST GRANT STREET) FROM JOHNSON STREET TO CANDY LANE.
2. THE PROJECT CONSISTS OF CONSTRUCTING POLYMERIZED BITUMINOUS CONCRETE BINDER AND SURFACE COURSES, SUB-BASE GRANULAR MATERIAL, PCC BASE COURSE, PCC DRIVEWAY PAVEMENT, PCC SIDEWALK PCC CURB & GUTTER, BITUMINOUS SURFACE REMOVAL, PAVEMENT REMOVAL, CLASS D PATCHES, AREA REFLECTIVE CRACK CONTROL TREATMENT, MANHOLES AND INLETS TO BE ADJUSTED, PAVMENT MARKING FERTILIZING AND SEEDING, TRAFFIC CONTROL AND OTHER RELATED WORK.

DESCRIPTION OF INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION FOR PORTIONS OF THE CONSTRUCTION SITE:

1. TREE REMOVAL WILL BE MINIMAL. TREES TO REMAIN WILL BE PROTECTED AGAINST DAMAGE. GRADING AND SHAPING DITCHES WILL BE ONLY IN AREAS DESIGNATED ON THE PLANS.
2. EXCAVATION IS ANTICIPATED FOR PAVEMENT WIDENING, DRIVEWAY AND SIDEWALK CONSTRUCTION.
3. DRAINAGE STRUCTURES WILL BE CONSTRUCTED DURING THE REMOVAL AND REPLACEMENT OF THE CONCRETE SIDEWALKS AND CURB & GUTTERS.
4. PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL SUCH AS TEMPORARY SEEDING.
5. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING.
6. FINAL PAVING AND OTHER MISCELLANEOUS ITEMS.

AREA OF CONSTRUCTION SITE:

THE TOTAL DRAINAGE AREA ENTERING AND INCLUDING THE CONSTRUCTION SITE IS ESTIMATED TO BE 30.00± ACRES IN WHICH 5.3 ACRES WILL BE DISTURBED BY GRADING OR OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THIS STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION ON THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM FIELD REVIEWS WHICH WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. EXISTING PLANS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES WERE CONTAINED IN THE PROJECT DESIGN REPORT. THE PROJECT PLAN DOCUMENTS WERE UTILIZED FOR PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.


DRAINAGE TRIBUTARIES RECEIVING WATER FROM THIS CONSTRUCTION SITE:

1. CITY OF MACOMB STORM SEWER COLLECTION SYSTEM

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - (A) AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION SLOPE LIMITS SHALL BE IDENTIFIED FOR PRESERVING AND SHALL BE PROTECTED FROM MOWING, BRUSH CUTTING, TREE REMOVAL AND OTHER ACTIVITIES WHICH WOULD BE DETRIMENTAL TO THEIR MAINTENANCE AND DEVELOPMENT.
 - (B) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
 - (C) AS SOON AS REASONABLE ACCESS IS AVAILABLE (SUCH AS TREES CLEARED) TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, SEDIMENT BASINS, RIPRAP DITCH CHECKS, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND/OR EROSION CONTROL FENCE SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
 - (D) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODABLE AREAS, AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE IMMEDIATELY EXPECTED, AS STATED IN THE SPECIAL PROVISION "TEMPORARY EROSION CONTROL SEEDING".
 - (E) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
 - (F) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), EROSION CONTROL FENCE, TEMPORARY DITCH CHECKS, OR RIPRAP DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE. EROSION CONTROL ITEMS WILL NOT BE ALLOWED TO BE INSTALLED TO CAUSE FLOODING TO UPSTREAM PRIVATE PROPERTY WHICH COULD CAUSE CROP DAMAGES OR OTHER UNDESIREABLE CONDITIONS.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETE.
3. A THIRD BENEFIT OF THESE FILTER AREAS IS THAT THEY WILL BEGIN TO PROVIDE A SCREEN AND BUFFER. THEY WILL HELP PROTECT THE CONSTRUCTION SITE FROM WINDS AND EXCESS SUN AND MITIGATE CONSTRUCTION NOISE AND DUST.

DRAWN BY: J.S.	STORM WATER POLLUTION PREVENTION PLAN EAST GRANT STREET IMPROVEMENTS		
CHECKED BY: L.L.O.			
APPROVED BY: W.J.S.			
DATE: JANUARY 2005			
REVISIONS		MACOMB, ILLINOIS	
DATE	BY	 Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852	
3/22/05	W/S		
FIELD BOOK:	SCALE:	JOB NO. 04e1466	SHEET 39 OF 66

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING ROADWAY CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS, AS OUTLINED PREVIOUSLY HEREIN, SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESIGNATED ON THE PLANS OR DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (A) WITHIN THE CONSTRUCTION LIMITS ARE AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER. THESE AREAS SHALL REMAIN UNDISTURBED UNTIL FULL CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (B) TOPSOIL AND EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
 - (C) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - I. PLACE TEMPORARY EROSION CONTROL FACILITIES AS SHOWN ON THE PLANS.
 - II. TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONSTRUCTION LIMITS.
 - III. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - IV. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
 - V. BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
 - VI. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACE PERMANENT EROSION CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCT FINAL SHAPING TO THE SLOPES.
 - (D) THE CONTRACTOR SHALL IMMEDIATELY FOLLOW MAJOR EARTH MOVING OPERATIONS WITH FINAL GRADING EQUIPMENT. AFTER THE MAJOR EARTH SPREAD OPERATION HAS MOVED TO A NEW LOCATION, FINAL GRADING SHALL BE COMPLETED WITHIN FOURTEEN DAYS. IF GRADING IS NOT COMPLETED WITHIN FOURTEEN DAYS, ALL MAJOR EARTH MOVING OPERATIONS WILL BE STOPPED, AS DIRECTED BY THE ENGINEER, UNTIL DISTURBED AREAS ARE FINAL GRADED AND SEEDED.
 - (E) EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
 - (F) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (G) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING ACTIVITIES; AND WEEKLY OR AFTER LARGE RAINS DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
 - (H) SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE WILL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION.
 - (I) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COSTS OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:


1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS ARE SEEDED AND ESTABLISHED WITH A PROPER STAND.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED. TEMPORARY RIPRAP DITCH CHECKS WILL BE ALLOWED TO REMAIN IN PLACE WHERE APPROVED BY THE ENGINEER.

MAINTENANCE AFTER CONSTRUCTION:

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY I.D.O.T. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.
2. AREAS WILL BE INSPECTED ON A REGULAR BASIS BY IDOT DISTRICT 4 BUREAU OF OPERATIONS.
3. MAINTENANCE CREWS WILL PERFORM REGULAR MOWINGS TO AID IN KEEPING WEEDS DOWN AND ESTABLISHING A GOOD ROADSIDE SEED STAND.
4. MAINTENANCE CREWS WILL ALSO AID IN ANY DITCH LINING MAINTENANCE OR IN ANY DRAINAGE PROBLEMS.
5. ALL MAINTENANCE WILL BE CONDUCTED AT TIMES WHEN WEATHER CONDITIONS WILL NOT CAUSE SITE DAMAGE.

MISCELLANEOUS:

1. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1.5 FEET FALL/RISE IN DITCH GRADE.
2. TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3 - REMOVE AT END OF CONSTRUCTION.
3. EROSION CONTROL BLANKET SHALL BE A MINIMUM OF 10 FEET WIDE AND CENTERED IN DITCH.
4. TEMPORARY EROSION CONTROL SEEDING SEEDS ALL DISTURBED AREAS AT 100 LBS PER ACRE.
5. MULCH METHOD 1 AS APPLIED TO TEMPORARY SEEDING SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE PRICE FOR TEMPORARY SEEDING.
6. CONSTRUCT PERIMETER EROSION CONTROL AT BEGINNING OF CONSTRUCTION, REMOVE AT END OF CONSTRUCTION.
7. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

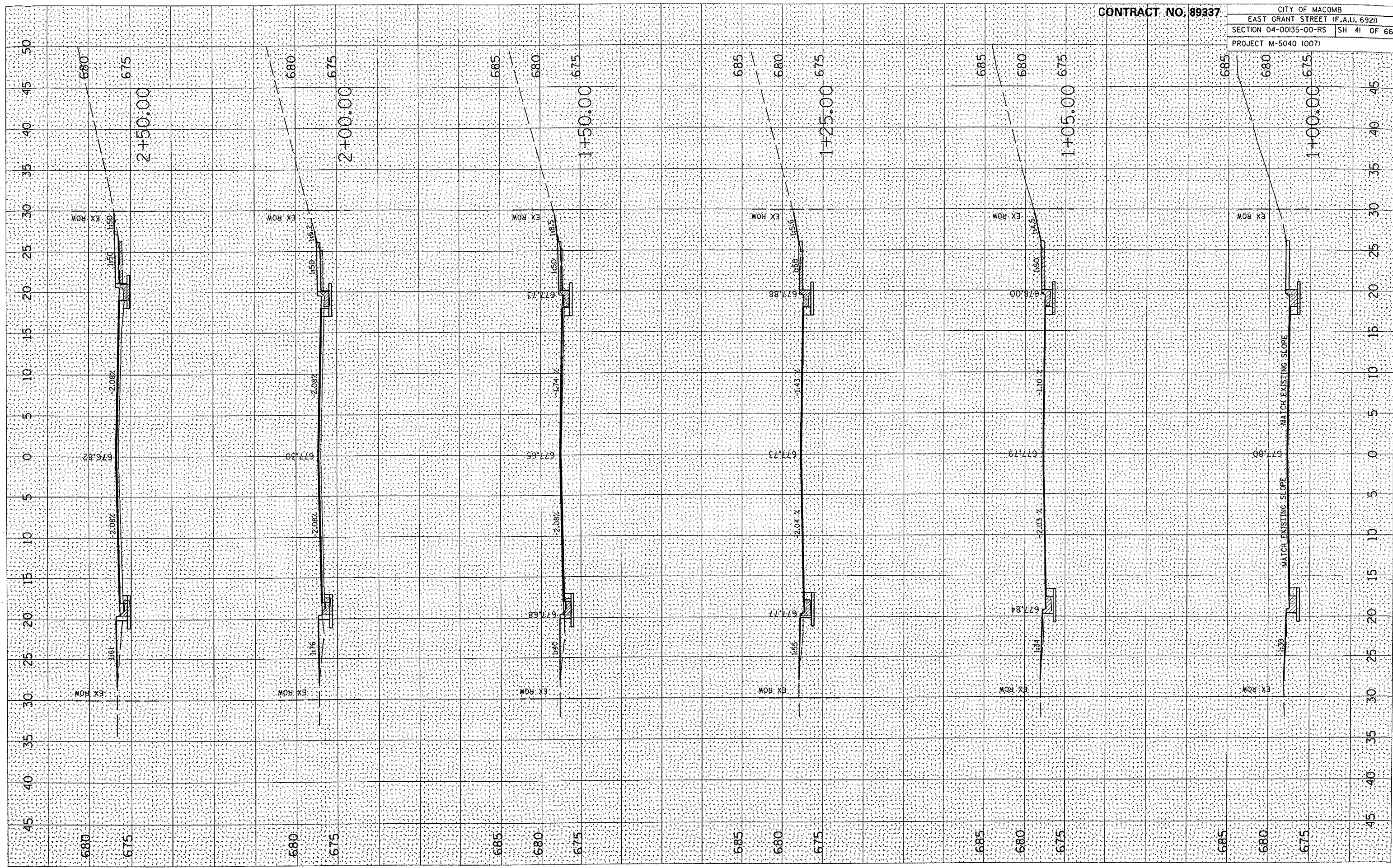
DRAWN BY <u>J.J.S.</u> CHECKED BY <u>L.L.G.</u> APPROVED BY <u>W.J.S.</u> DATE <u>JANUARY 2005</u>	STORM WATER POLLUTION PREVENTION PLAN EAST GRANT STREET IMPROVEMENTS
REVISIONS DATE BY	MACOMB, ILLINOIS
FIELD BOOK	 Consulting Engineers / Land Surveyors 1970 West Lafayette Avenue Jacksonville, Illinois 62650 Phone : 217-245-4146 Fax : 217-245-4149 IL Design Firm Registration No. 184-000852
SCALE:	JOB NO. <u>04e1466</u> SHEET <u>40</u> OF <u>66</u>

PLOT DATE = 2/24/2005
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 PLOT SCALE = 1/8" = 1'-0"
 REFERENCE = #REF#

ORIGINAL SURVEY
 CHECKED BY: _____ DATE: _____
 SURVEY NO.: _____
 TEMPLATE AREAS CHECKED: _____
 NOTE BOOK NO.: _____
 AREAS CHECKED: _____

FINAL SURVEY
 CHECKED BY: _____ DATE: _____
 SURVEY NO.: _____
 TEMPLATE AREAS CHECKED: _____
 NOTE BOOK NO.: _____
 AREAS CHECKED: _____

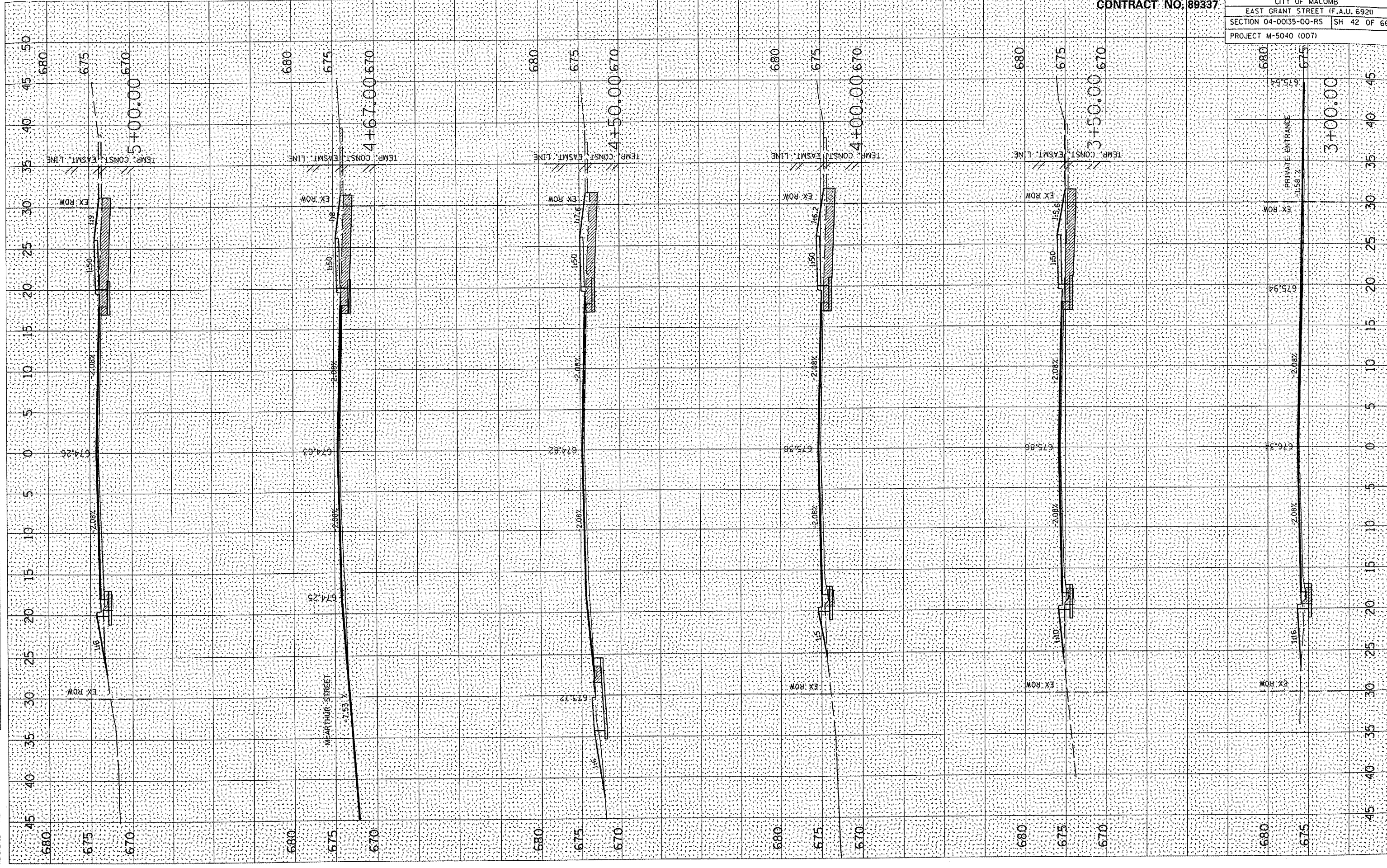
CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-RS SH 41 OF 66
 PROJECT M-5040 (007)



PLOT DATE: 2/24/2005
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FINAL SURVEY NO. _____
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 AREAS CHECKED: _____



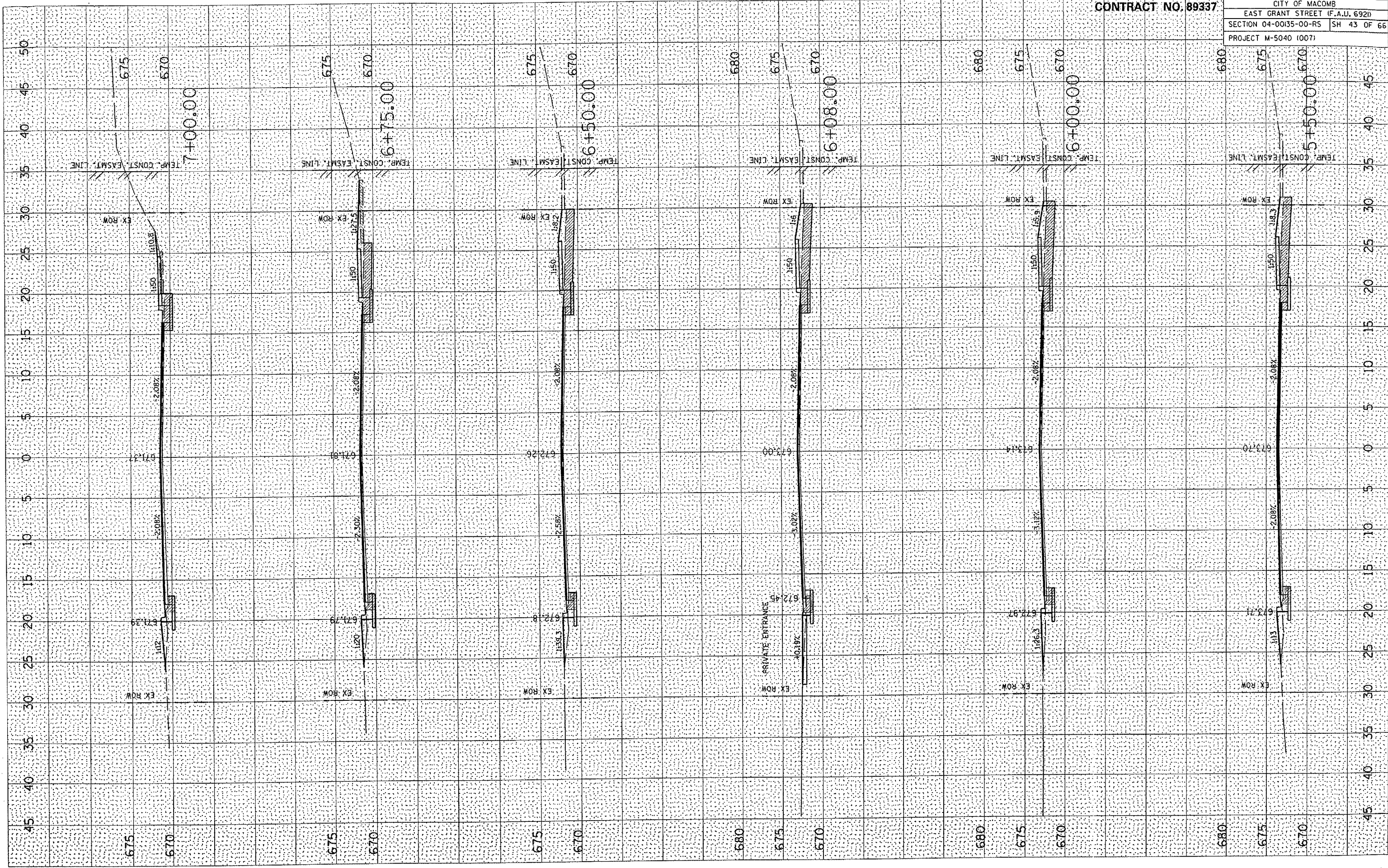
CONTRACT NO. 89337

CITY OF MACOMB	
EAST GRANT STREET (F.A.U. 6921)	
SECTION 04-0035-00-R5	SH 42 OF 66
PROJECT M-5040 (007)	

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ORIGINAL
SHEET NO.
DATE

DATE
BY
SHEET NO.
SHEET TOTAL
DATE
BY
SHEET NO.
SHEET TOTAL



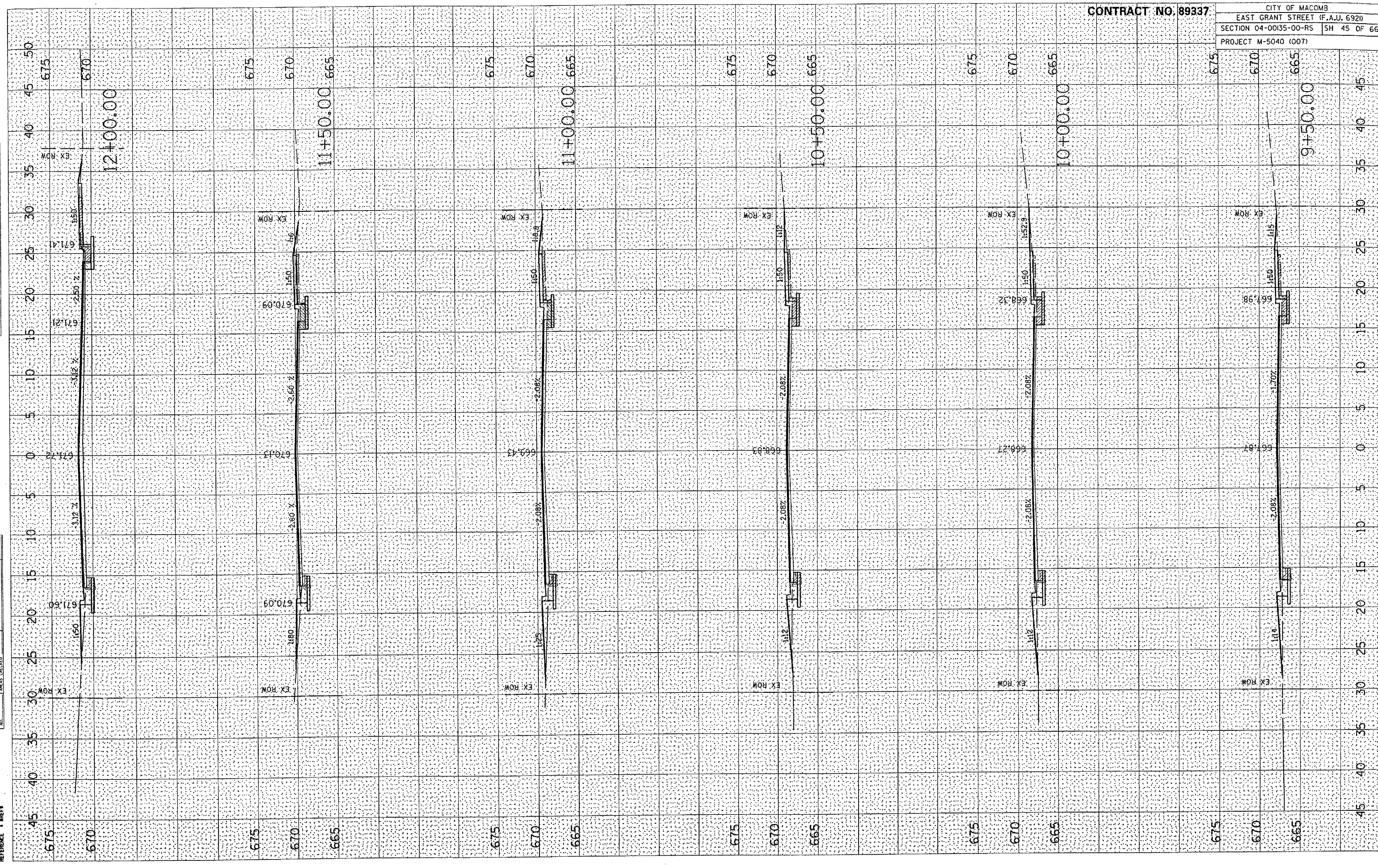
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CITY OF MACOMB
EAST GRANT STREET (F.A.U. 692)
SECTION 04-00135-00-RS SH 43 OF 66
PROJECT M-5040 (007)

DATE	
BY	
FINAL SURVEY	
NOTE BOOK NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK NO.	
AREAS CHECKED	

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CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-RS SH 45 OF 66
 PROJECT M-5040 (007)

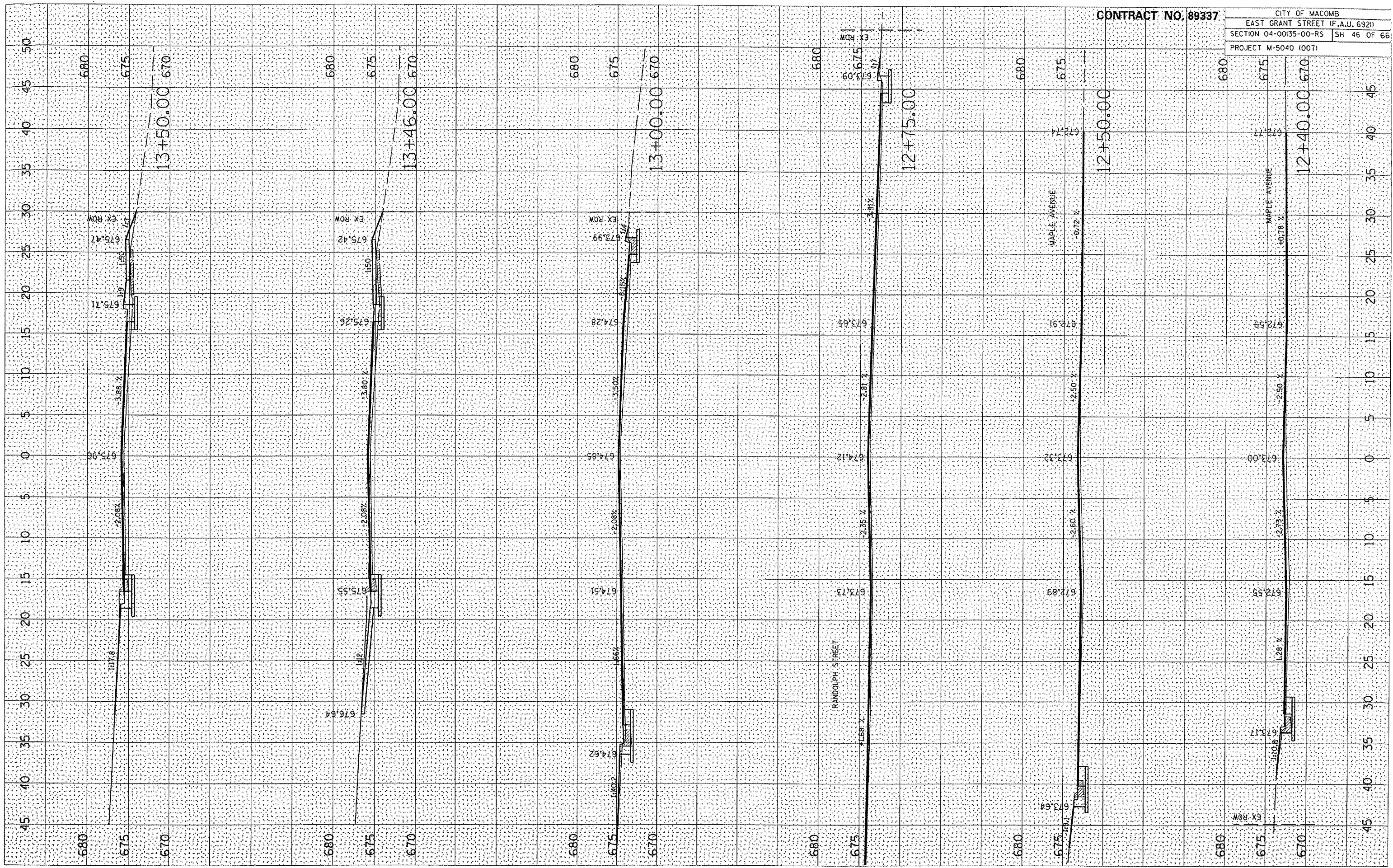


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 BY: _____
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 DATE: _____

DATE: _____
 BY: _____
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 CHECKED: _____
 DATE: _____

PLAT DATE: 2/27/2009
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 REVISION: _____

CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-RS SH 46 OF 66
 PROJECT M-5040 (007)



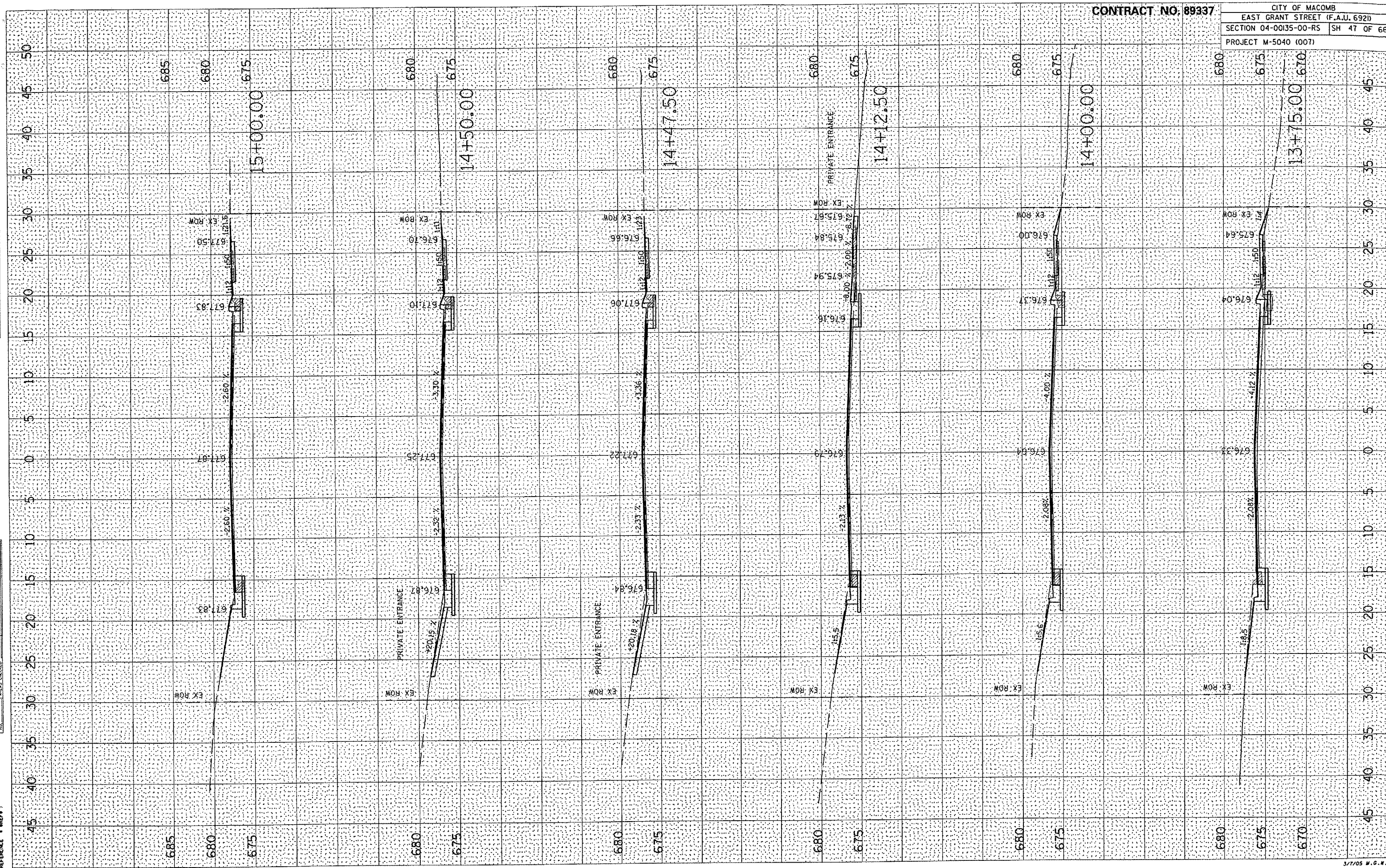
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 PLOTTED: _____
 NOTE BOOK: _____
 NO.: _____
 AREAS CHECKED: _____

SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 NO.: _____
 AREAS CHECKED: _____

CONTRACT NO. 89337

CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-R5 SH 47 OF 66
 PROJECT M-5040 (007)



DATE: 2/16/2005
 FILE NAME: REFERENCE
 PLOT SCALE: 1"=40'
 REFERENCE: REFERENCE

SURVEYED
 PLOTTED
 NOTE BOOK NO.
 AREAS CHECKED

SURVEYED
 PLOTTED
 NOTE BOOK NO.
 AREAS CHECKED

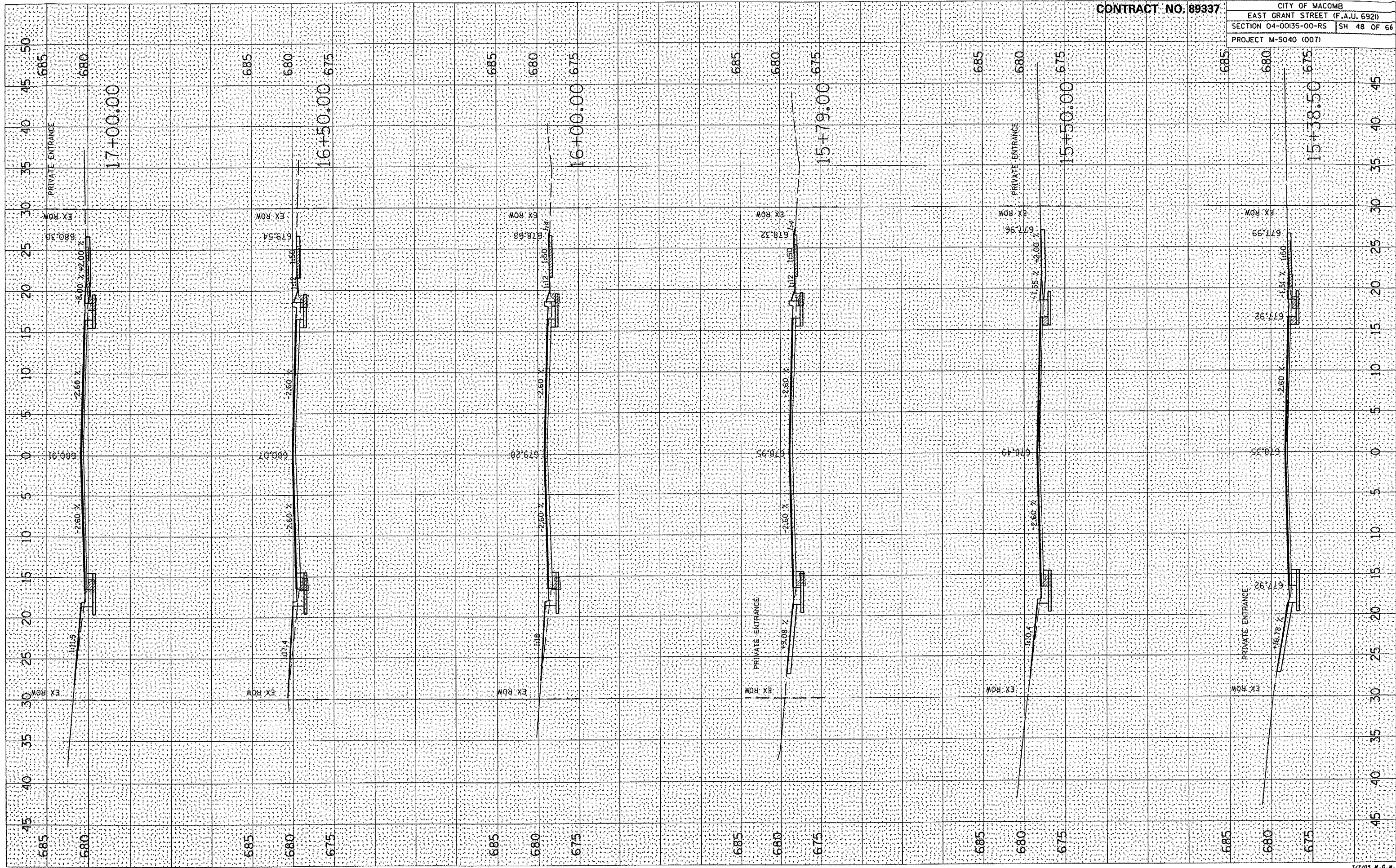
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 AREAS CHECKED

SURVEYED
 PLOTTED
 NOTE BOOK NO.
 AREAS CHECKED

CONTRACT NO. 89337

CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 692)
 SECTION 04-00135-00-RS SH 48 OF 66
 PROJECT M-5040 (007)

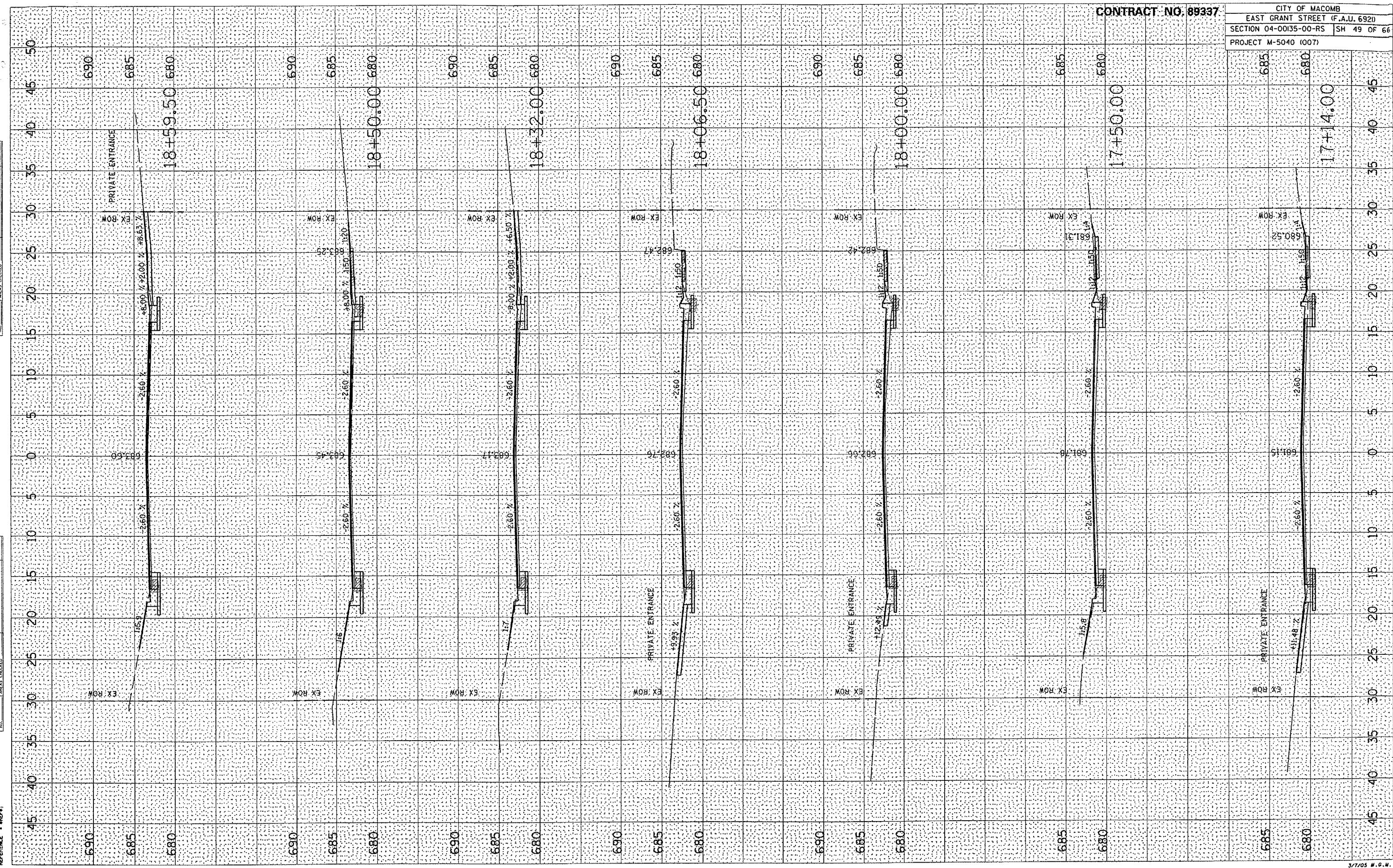


DATE SURVEYED
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

DATE SURVEYED
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

PLOT DATE 3/2/2005
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 REFERENCE #RSP4

CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 692)
 SECTION 04-0035-00-RS SH 49 OF 66
 PROJECT M-5040 (007)

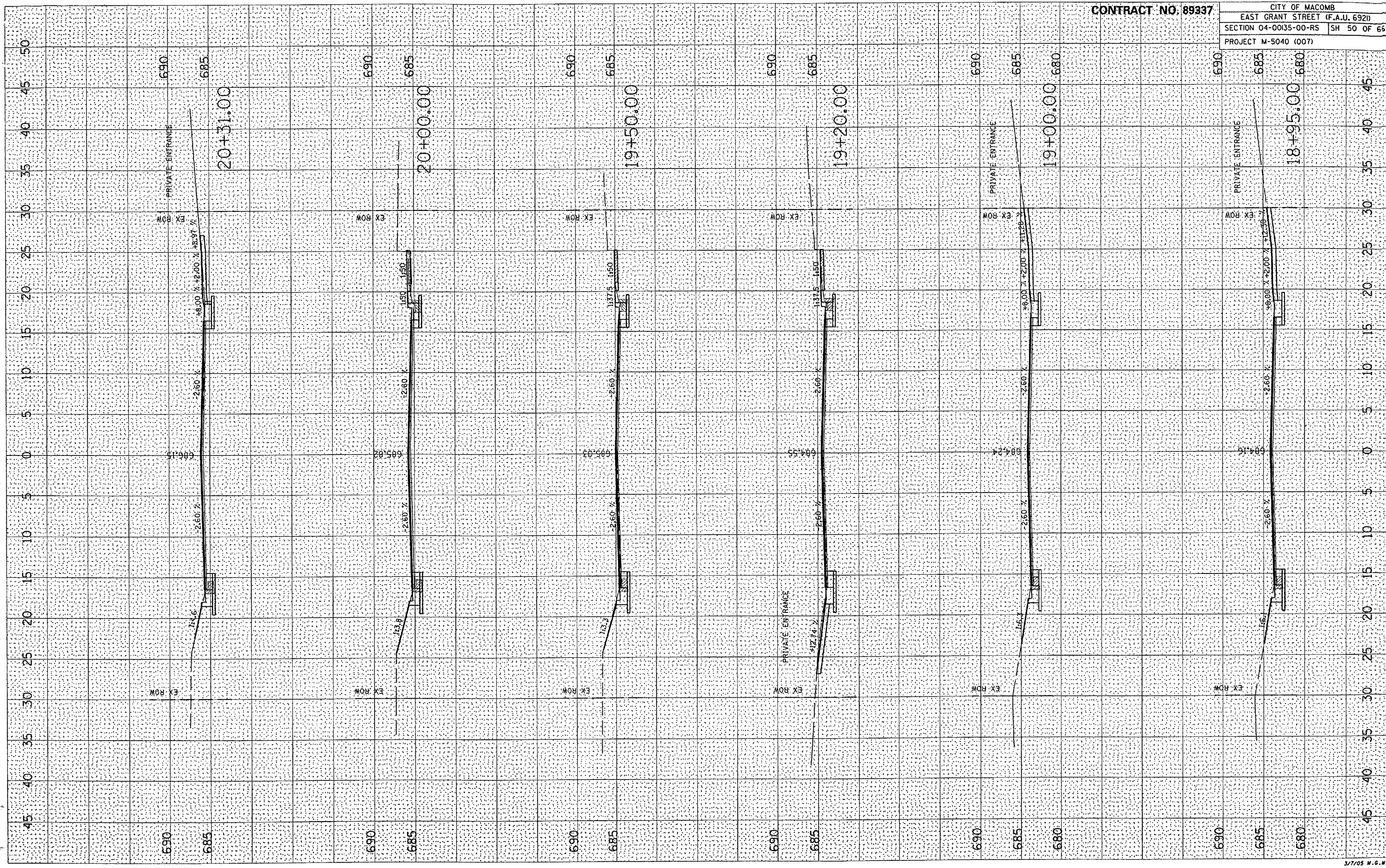


DATE: 3/14/2010
DRAWN BY: J. M. BROWN
CHECKED BY: J. M. BROWN
PROJECT: 18+00 TO 20+00
SHEET: 50 OF 66

DATE: 3/14/2010
DRAWN BY: J. M. BROWN
CHECKED BY: J. M. BROWN
PROJECT: 18+00 TO 20+00
SHEET: 50 OF 66

DATE: 3/14/2010
DRAWN BY: J. M. BROWN
CHECKED BY: J. M. BROWN
PROJECT: 18+00 TO 20+00
SHEET: 50 OF 66

CONTRACT NO. 89337
CITY OF MACOMB
EAST GRANT STREET (F.A.U. 692)
SECTION 04-0035-00-RS SH 50 OF 66
PROJECT M-5040 (007)



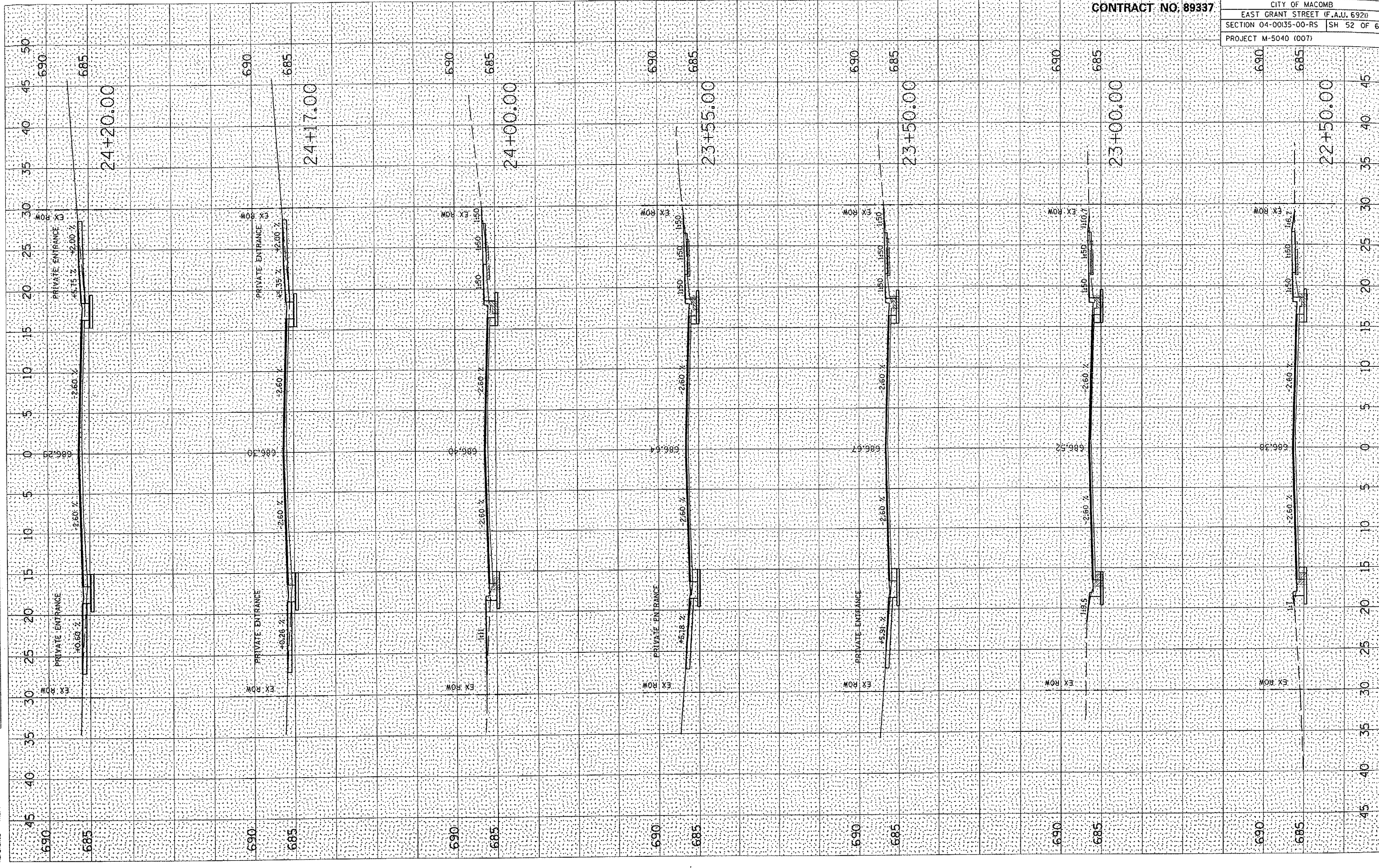
PLOT DATE • 2/24/2005
 FILE NAME • P:\04\165\Design\Plans\5890.dwg
 PLOT SCALE • 1/8" = 1'-0"
 REFERENCE • BREF#

ORIGINAL SURVEY
 SURVEYED
 SURVEY
 TEMPLATE
 AREAS CHECKED
 NO.

FINAL SURVEY
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 SURVEY
 TEMPLATE
 AREAS CHECKED
 NO.

BY _____

DATE _____



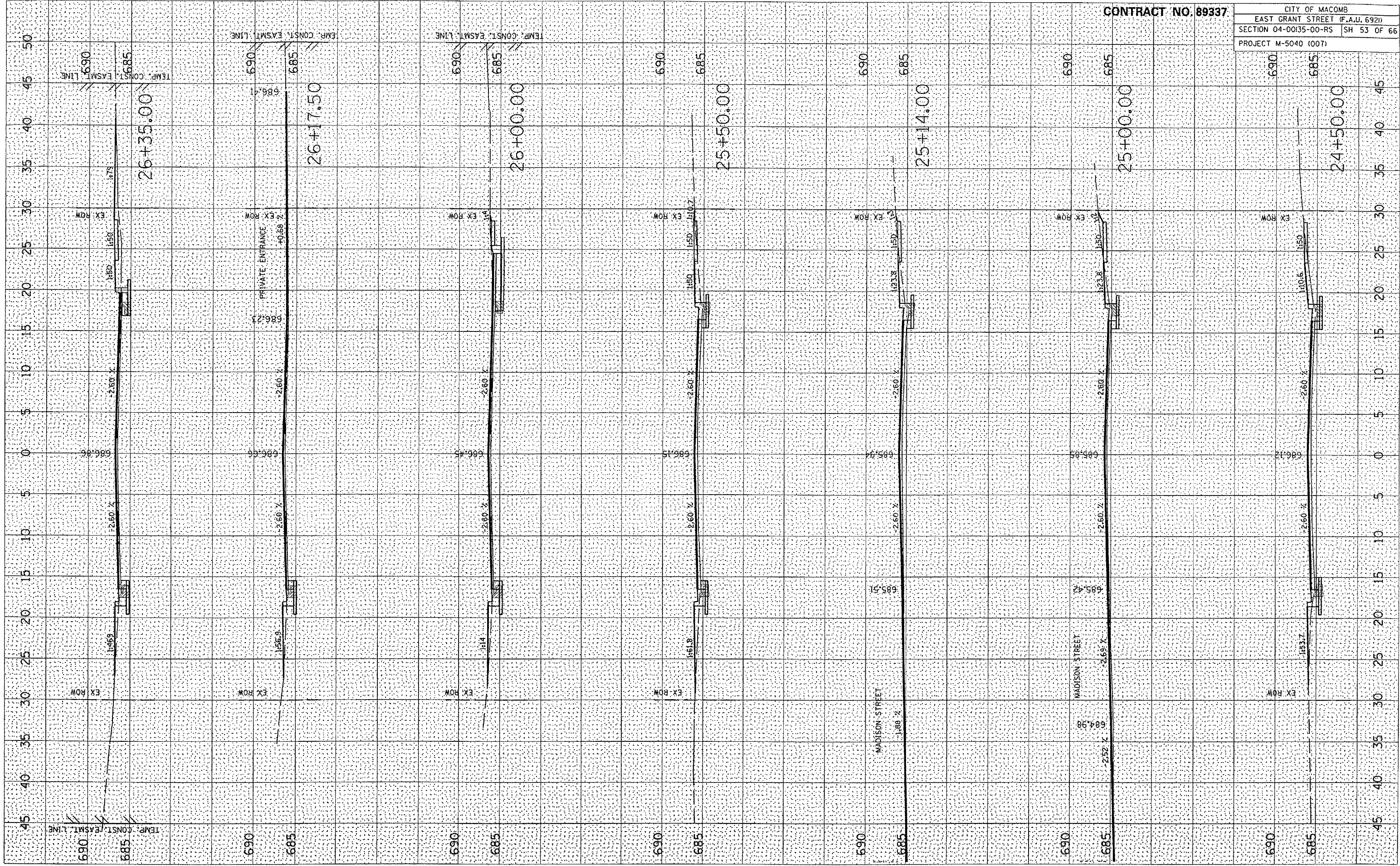
CONTRACT NO. 89337

CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-RS SH 52 OF 66
 PROJECT M-5040 (007)

PLOT DATE: 2/24/2009
 FILE NAME: P:\A04166\Design\Plans\ASB01.dwg
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 REFERENCE: SHEET 5

ORIGINAL SHEET NO.
 DATE

SUBMITTED SHEET NO.
 DATE
 CHECKED BY

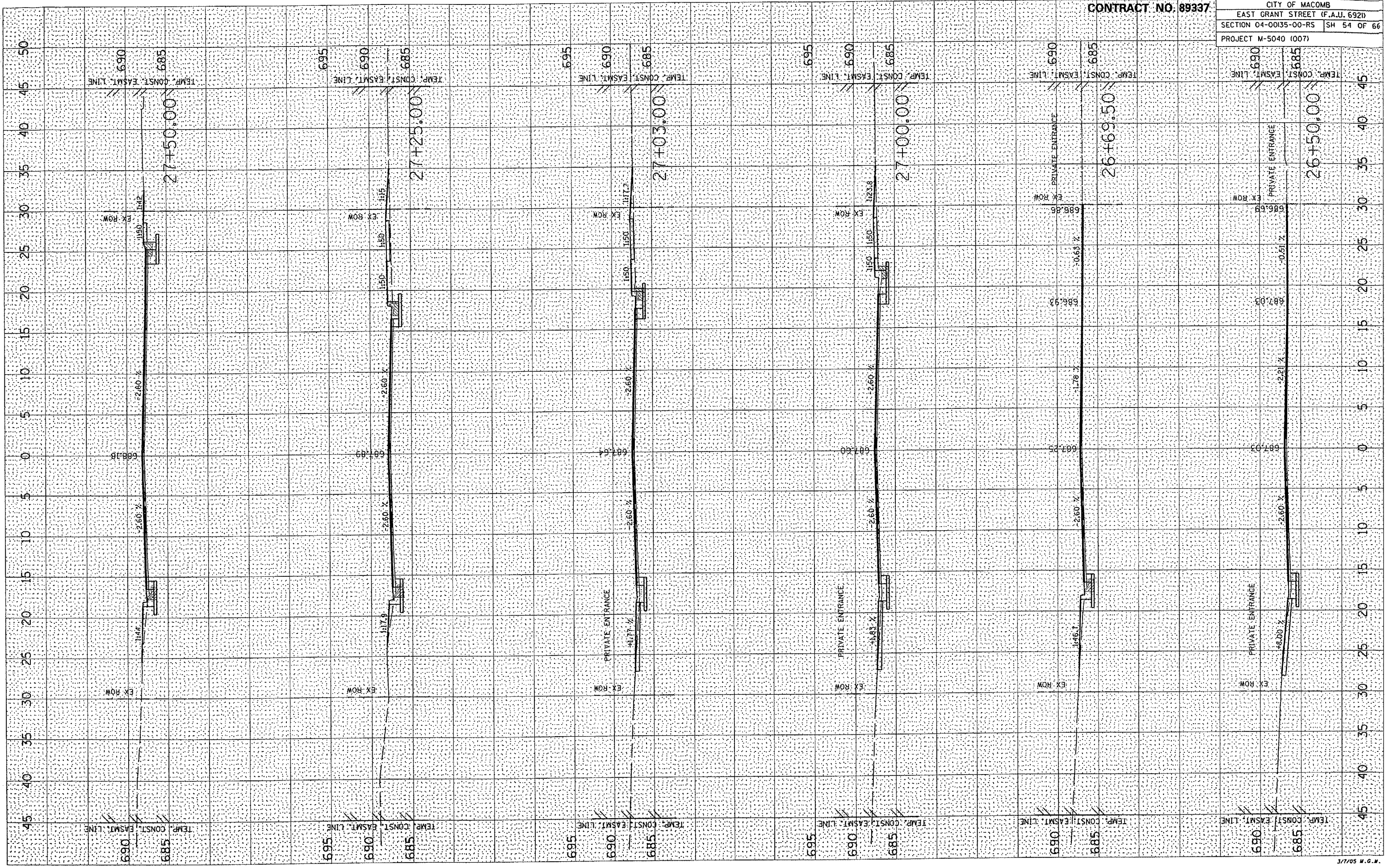


CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-0035-00-RS SH 53 OF 66
 PROJECT M-5040 (007)

PLOT DATE • 3/1/2005
 PLOT NAME • 059
 REFERENCE • 059

SURVEYED
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 NOTE BOOK
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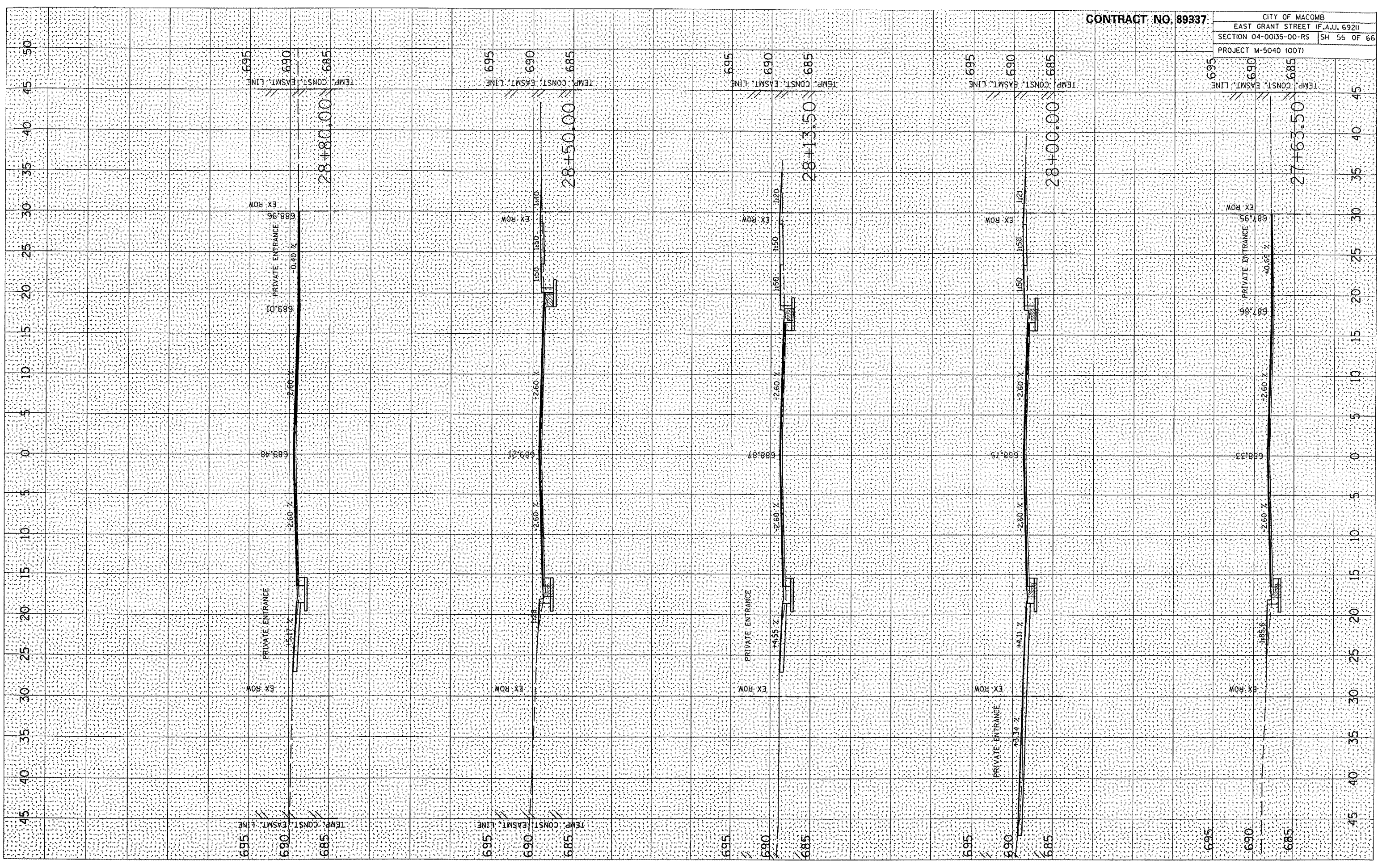
CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-0035-00-RS SH 54 OF 66
 PROJECT M-5040 (007)

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

BY DATE
 BY DATE
 BY DATE

PLOT DATE • 2/24/2005
 PLOT SCALE • 1/8"=1'-0"
 REFERENCE • NREFF

CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-RS SH 55 OF 66
 PROJECT M-5040 (007)

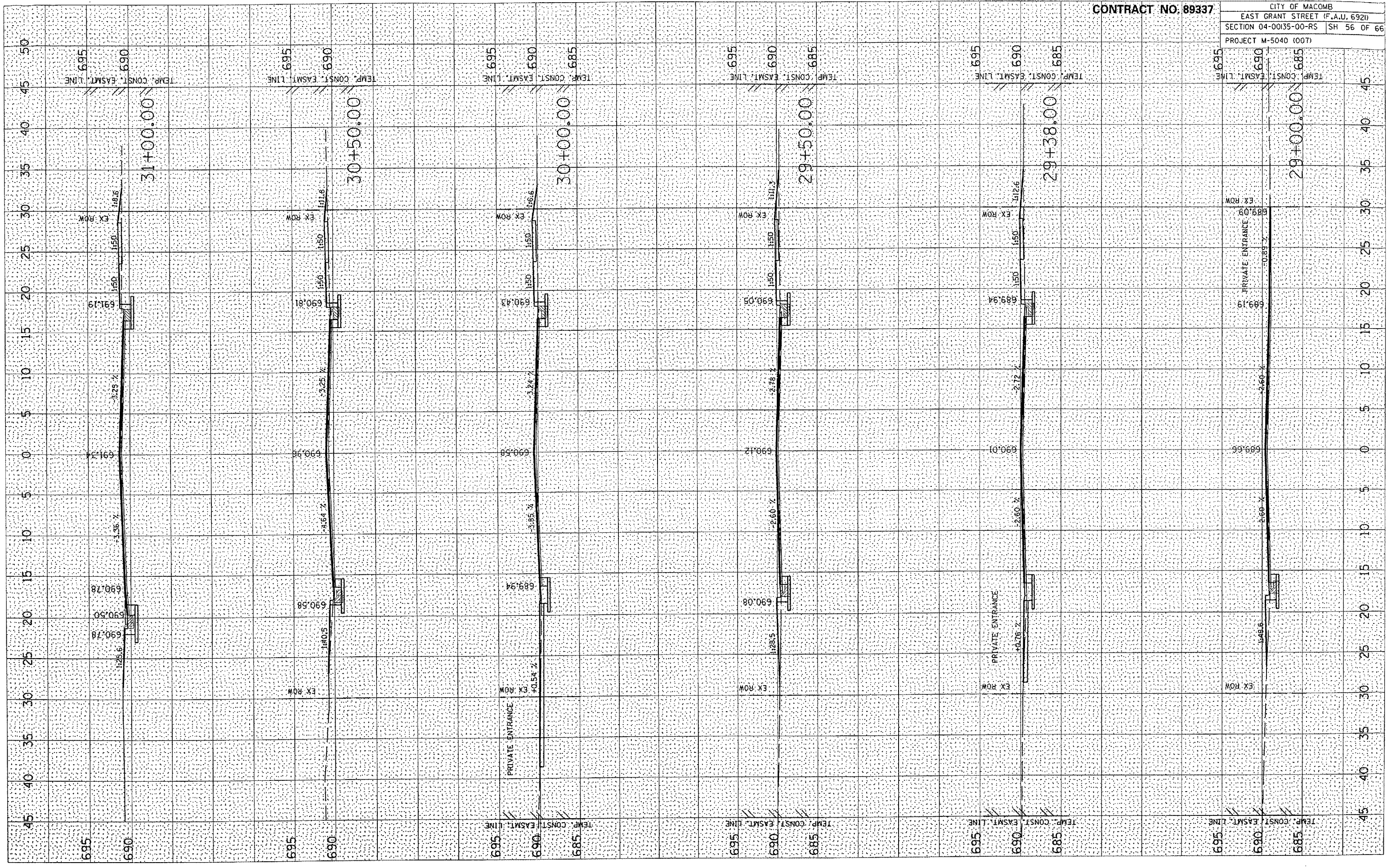


PLOT DATE: 2/24/2005
 FILE NAME: P:\AS4\465\Design\Plan\56801.dwg
 PLOT SCALE: 1/8"=1'-0" / IN
 REFERENCE: SHEET

ORIGINAL	DATE
SHRIFT	
PLATE	
BOOK	
NO.	

BY	DATE
SHRIFT	
PLATE	
BOOK	
NO.	

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 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 692)
 SECTION 04-00135-00-RS SH 56 OF 66
 PROJECT M-5040 (007)

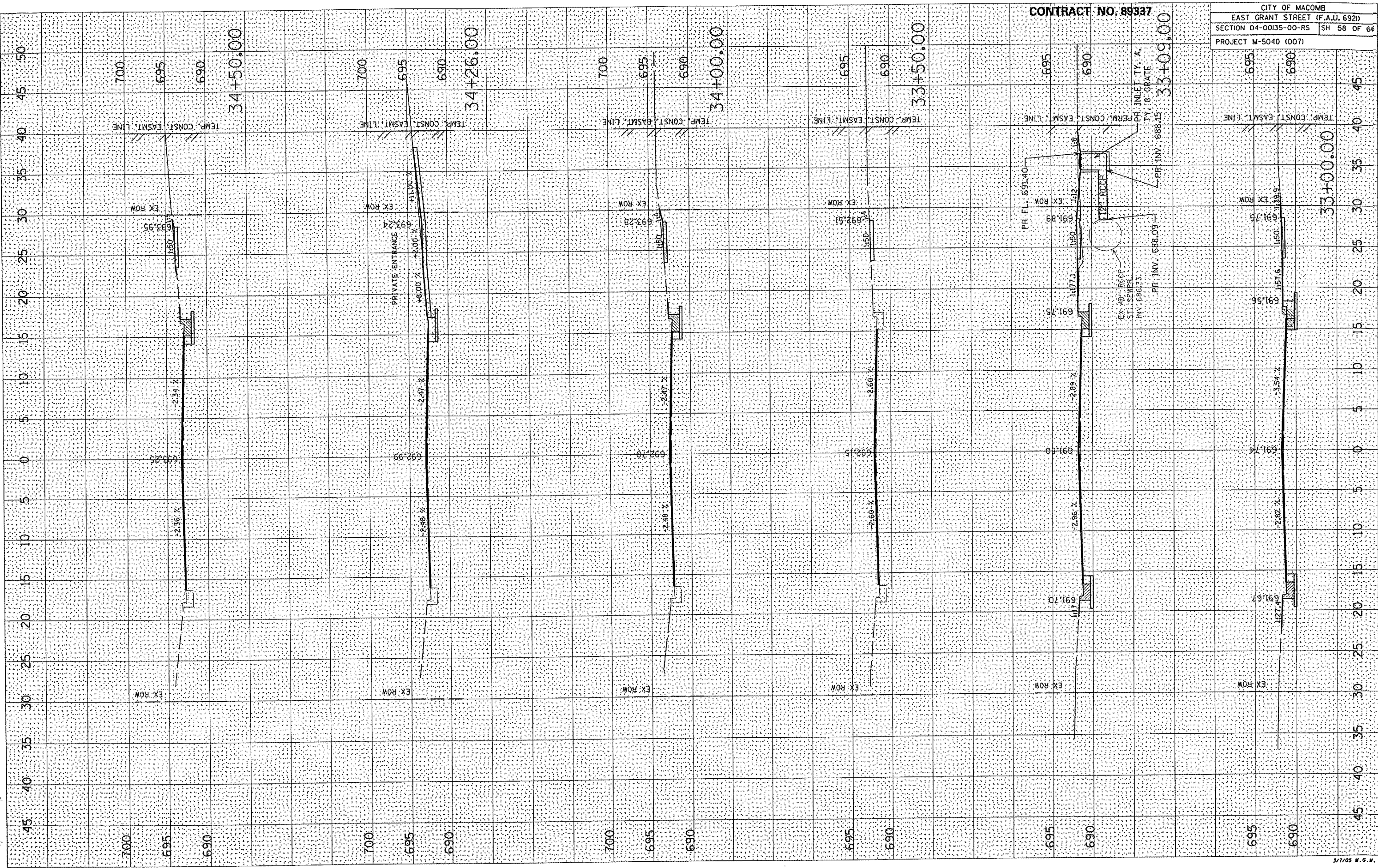


PLOT DATE: 3/6/2003
 FILE NAME: 04FILE1
 PLOT SCALE: 1"=50'
 REFERENCE: SHEET 3

SUBMITTED: _____
 SUBMITTAL NO.: _____
 DATE: _____

SUBMITTED: _____
 SUBMITTAL NO.: _____
 DATE: _____

SUBMITTED: _____
 SUBMITTAL NO.: _____
 DATE: _____



CONTRACT NO. 89337

CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-RS SH 58 OF 66
 PROJECT M-5040 (007)

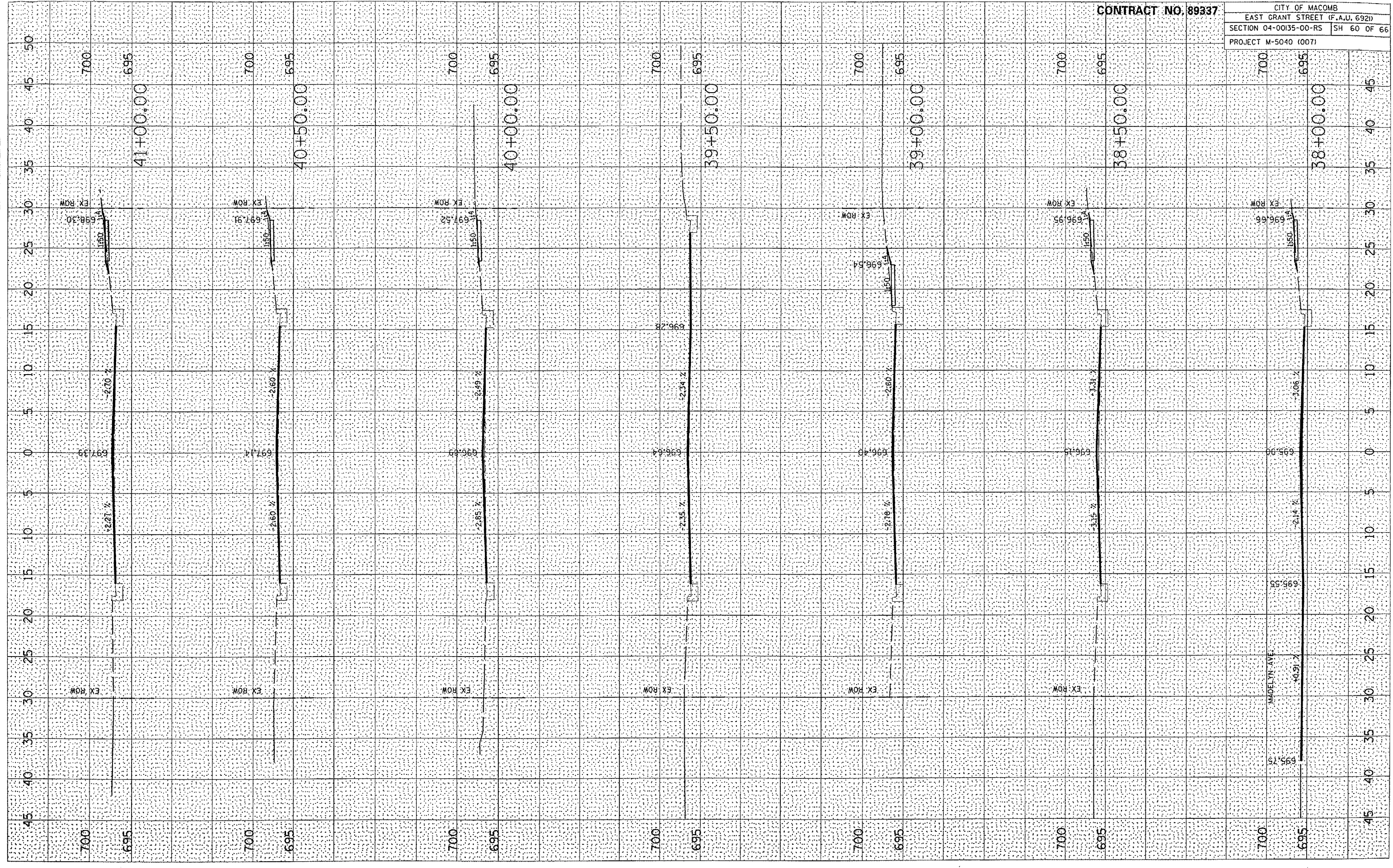
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 SURVEYED: _____
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 NO. _____

DATE: _____ BY: _____
 CHECKED: _____
 SURVEYED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____
 NO. _____

PLOT DATE: 2/21/2005
 FILE NAME: P:\A\4485\Design\Plan\5500.dwg
 PLOT SCALE: 1/8" = 1'-0"
 REFERENCE: SHEET 66

CONTRACT NO. 89337

CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-RS SH 60 OF 66
 PROJECT M-5040 (007)

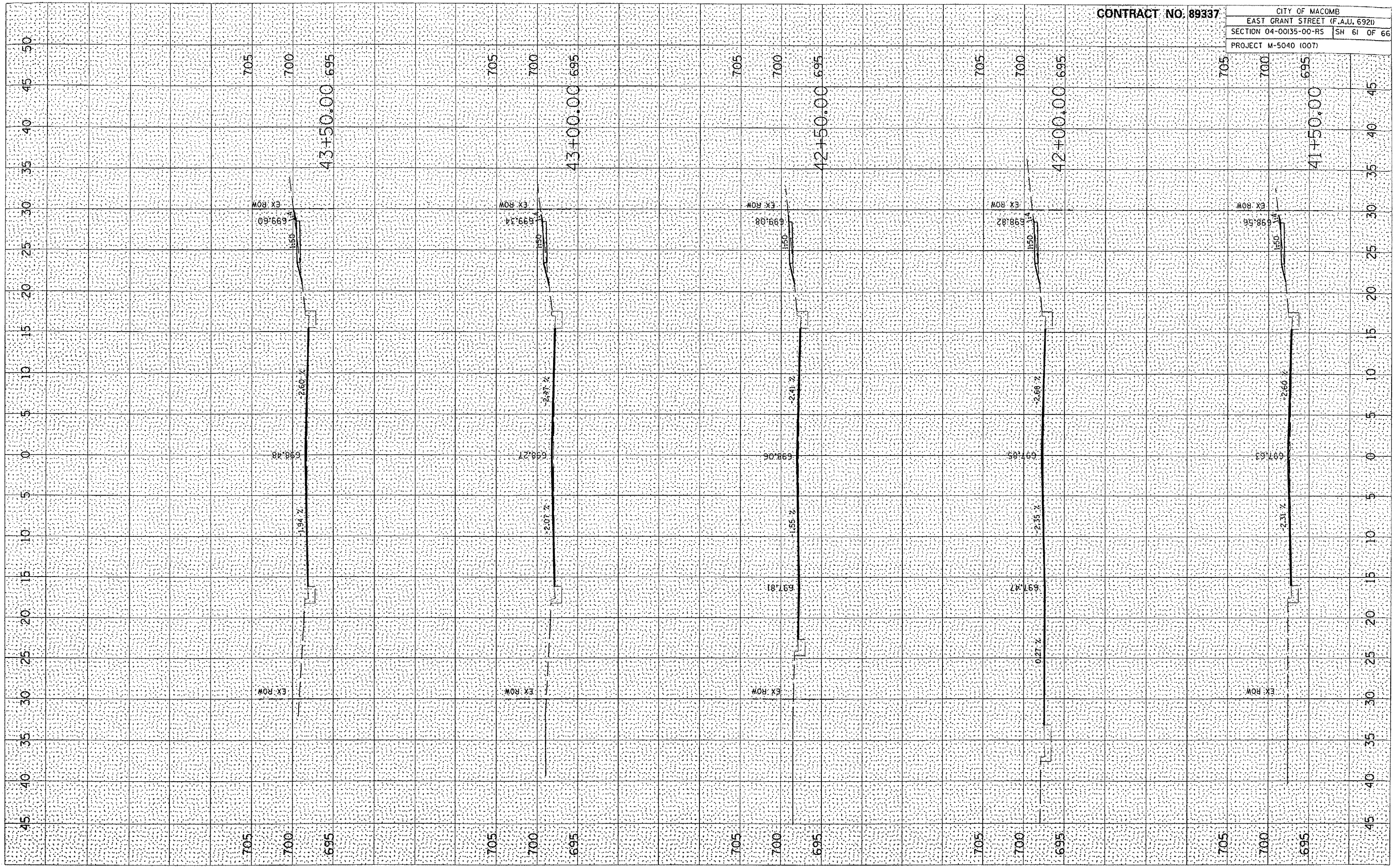


DATE: _____ BY: _____
 FINISHED SURVEY POSITION NO. _____
 SURVEYED POSITION TEMPLATE AREAS CHECKED
 NO. _____

DATE: _____ BY: _____
 SURVEYED POSITION NO. _____
 SURVEYED POSITION TEMPLATE AREAS CHECKED
 NO. _____

DATE: 2/24/2005
 FILE NAME: P:\Users\jbs\My Documents\Projects\150801\150801.dwg
 REFERENCE: 4897

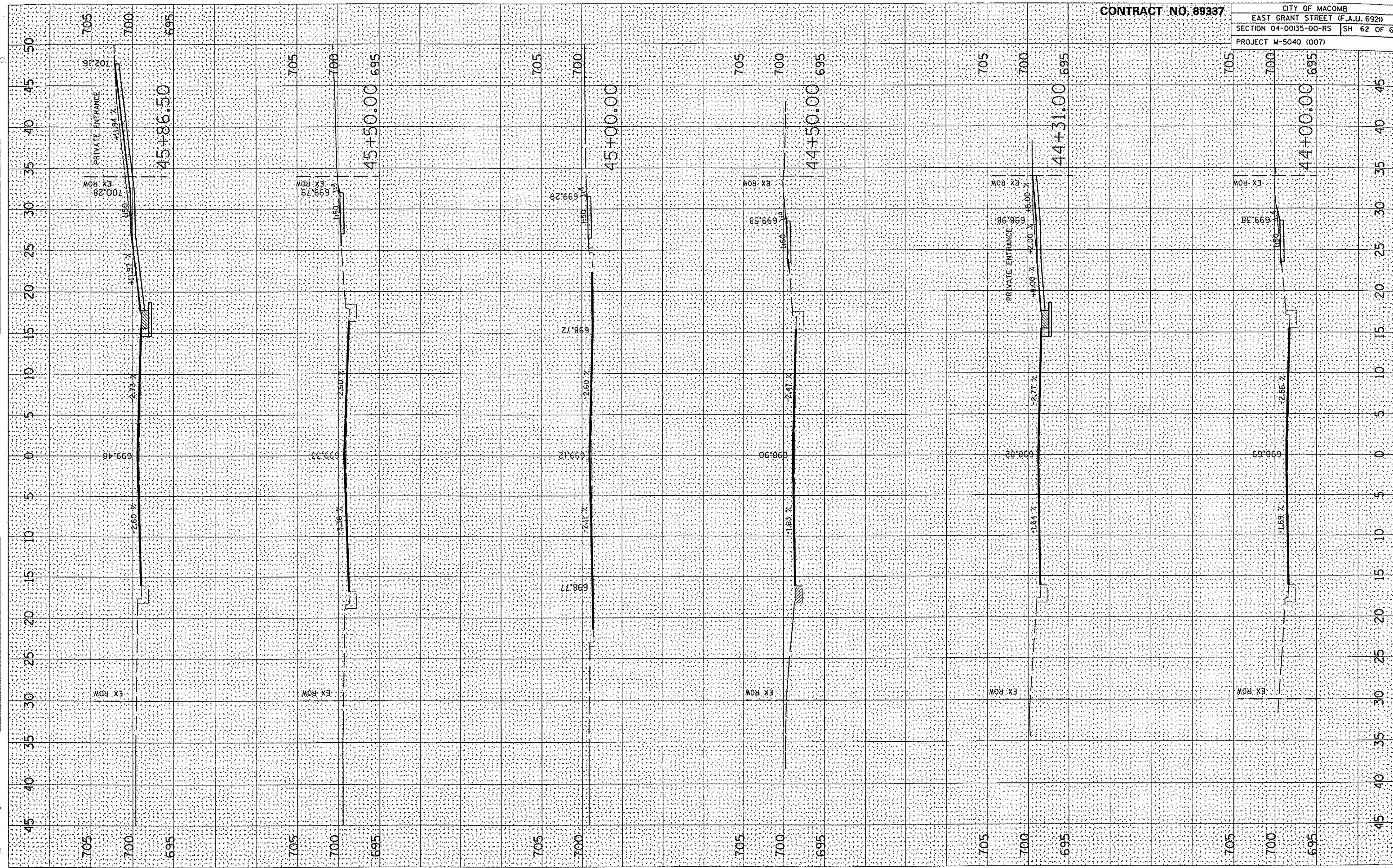
CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 692)
 SECTION 04-00135-00-R5 SH 61 OF 66
 PROJECT M-5040 (007)



PLOT DATE 3/10/2005
FILE NAME 04-00135-00-RS
PLOT SCALE 1"=40'
REFERENCE 007

DATE SURVEY 3/10/2005
SURVEY NO. 04-00135-00-RS
NOTE BOOK NO. 007
TEMPLATE AREAS CHECKED

DATE SURVEY 3/10/2005
SURVEY NO. 04-00135-00-RS
NOTE BOOK NO. 007
TEMPLATE AREAS CHECKED



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CITY OF MACOMB
EAST GRANT STREET (F.A.U. 692)
SECTION 04-00135-00-RS SH 62 OF 66
PROJECT M-5040 (007)

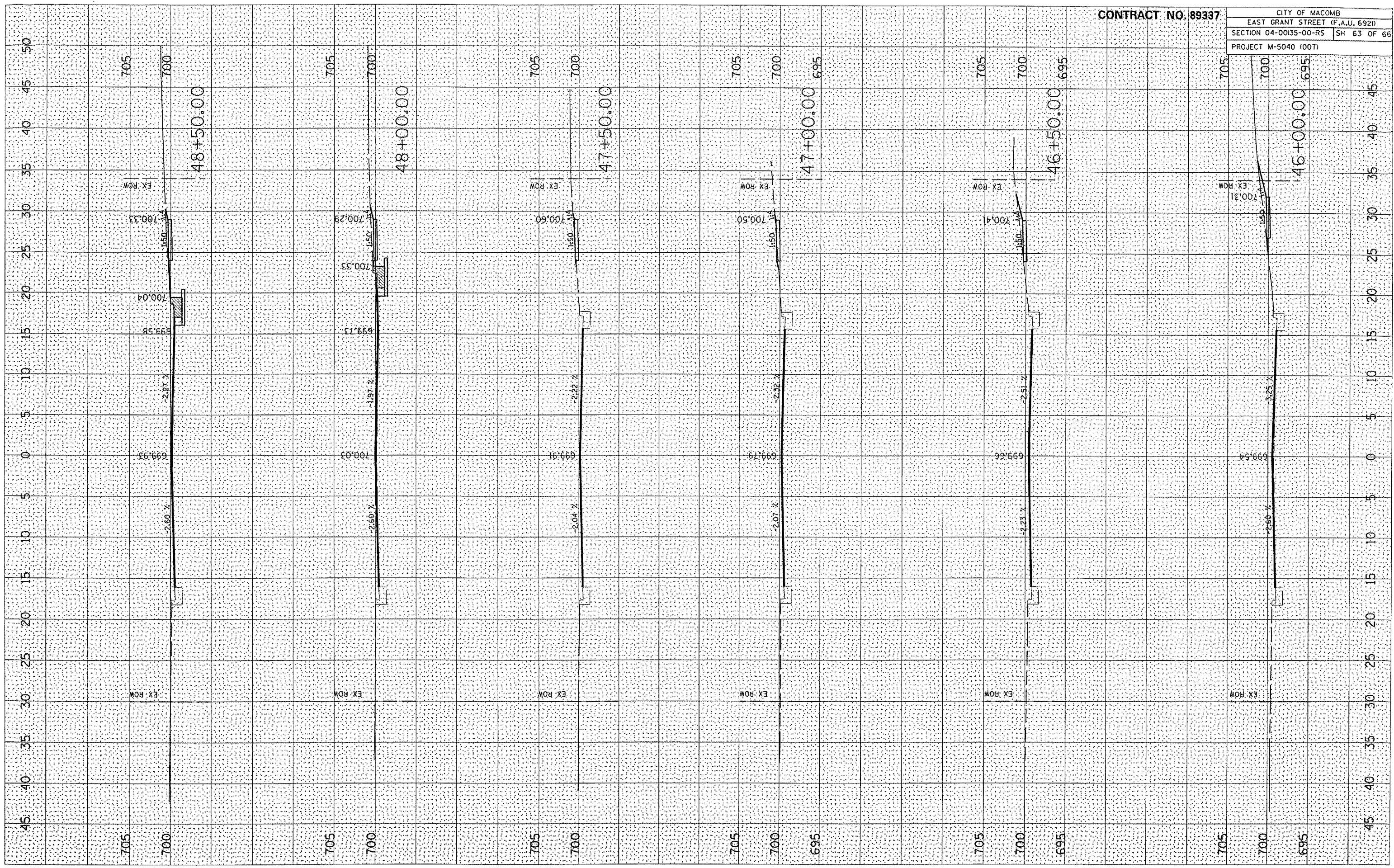
FINL SURVEYED
 SUFFY PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED
 BT DATE

ORG. SURVEYED
 SUFFY PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED
 BT DATE

PLOT DATE = 2/21/2005
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 SCALE = 1" = 40'
 REFERENCE = BREFS

CONTRACT NO. 89337

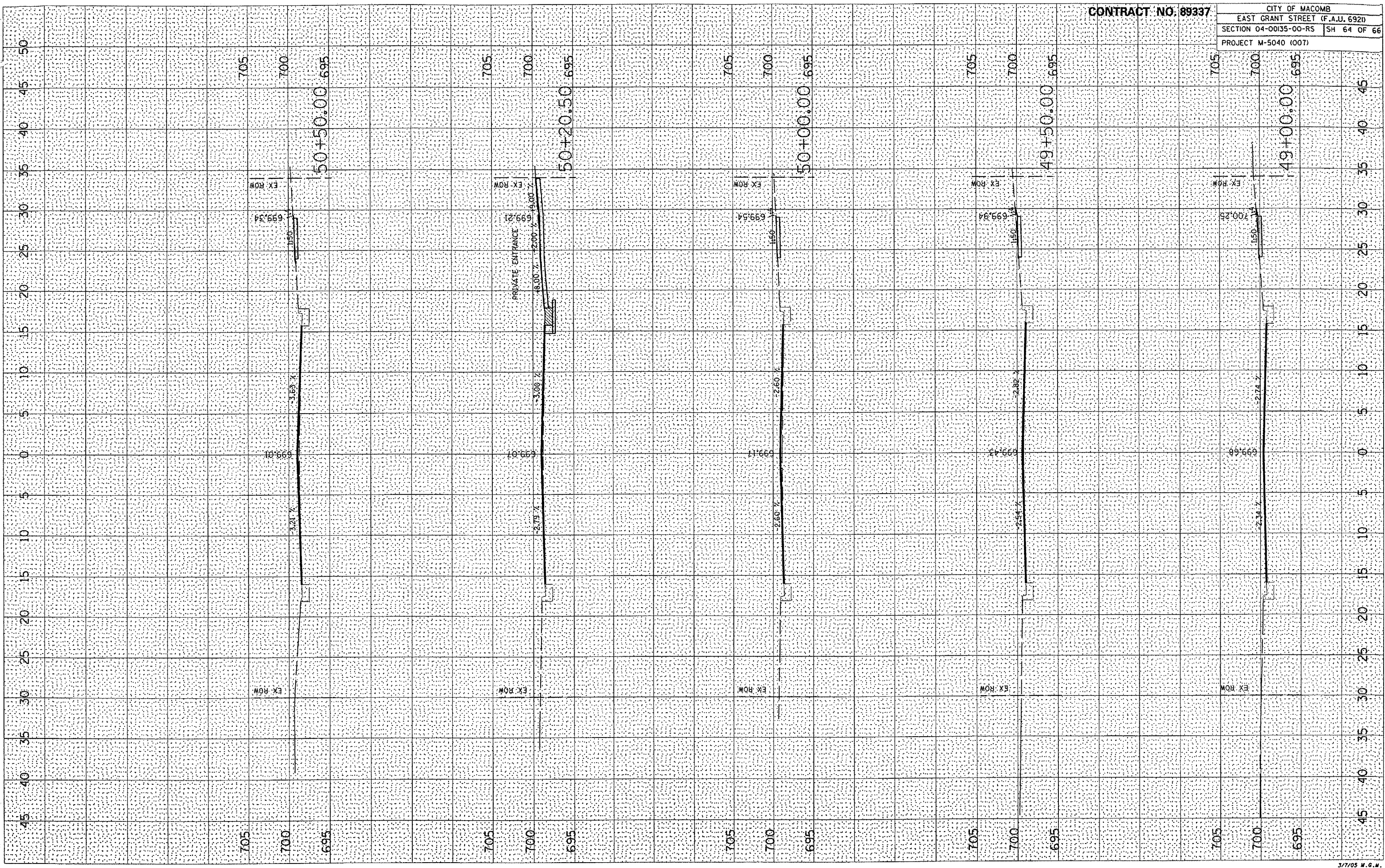
CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 692)
 SECTION 04-00135-00-RS SH 63 OF 66
 PROJECT M-5040 (007)



PLOT DATE 1/10/2009
 FILE NAME 04-00135-00-RS
 REFERENCE 04-00135-00-RS

SHEET NO. 1
 DATE PLOTTED 1/10/2009
 PLOTTED BY [blank]
 CHECKED BY [blank]

SHEET NO. 1
 DATE PLOTTED 1/10/2009
 PLOTTED BY [blank]
 CHECKED BY [blank]



CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 692)
 SECTION 04-00135-00-RS SH 64 OF 66
 PROJECT M-5040 (007)

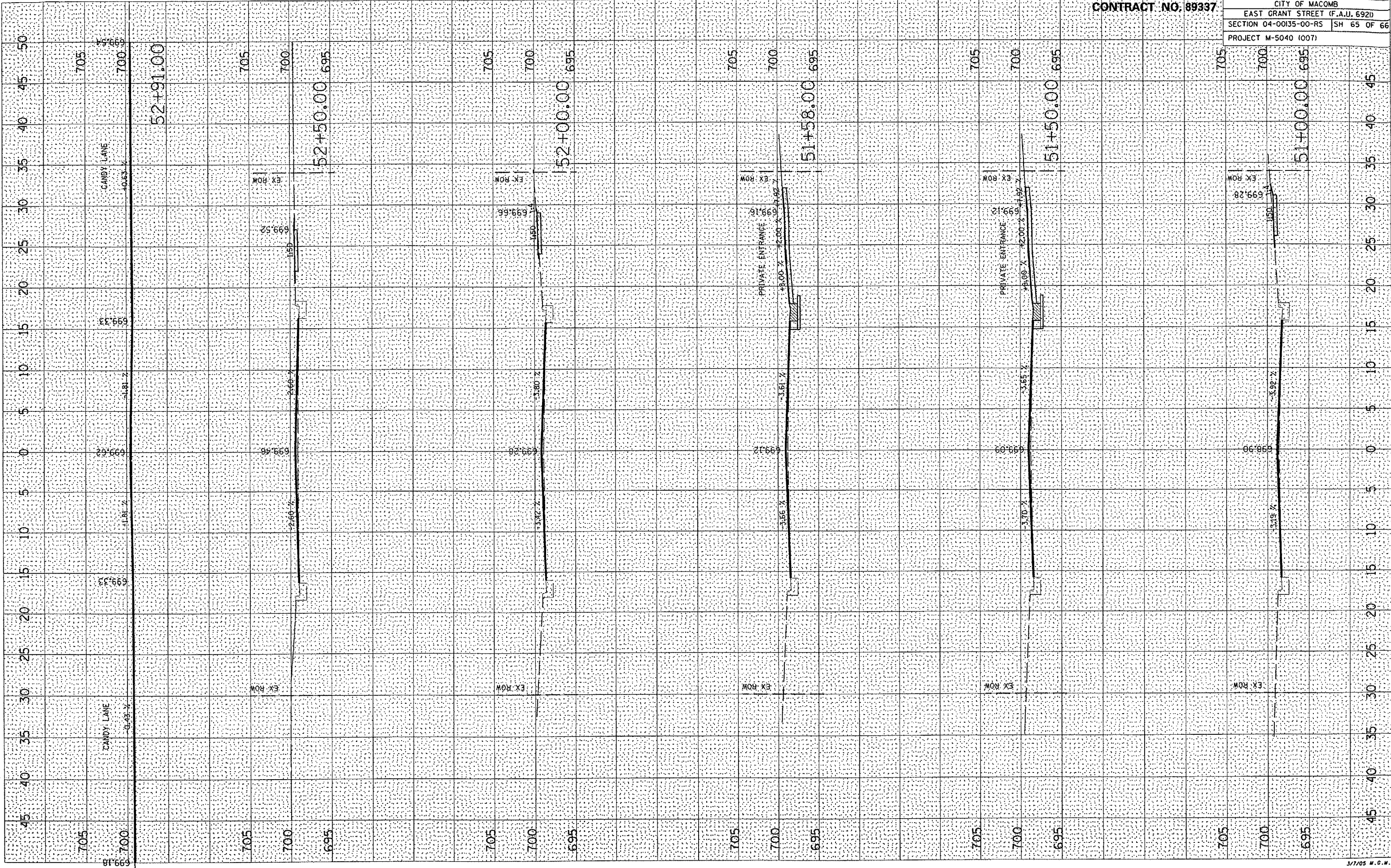
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 REFERENCE: 041114

SHEETED: 5 SHEETS
 SUBREY: 1
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CHECKED: []
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CONTRACT NO. 89337

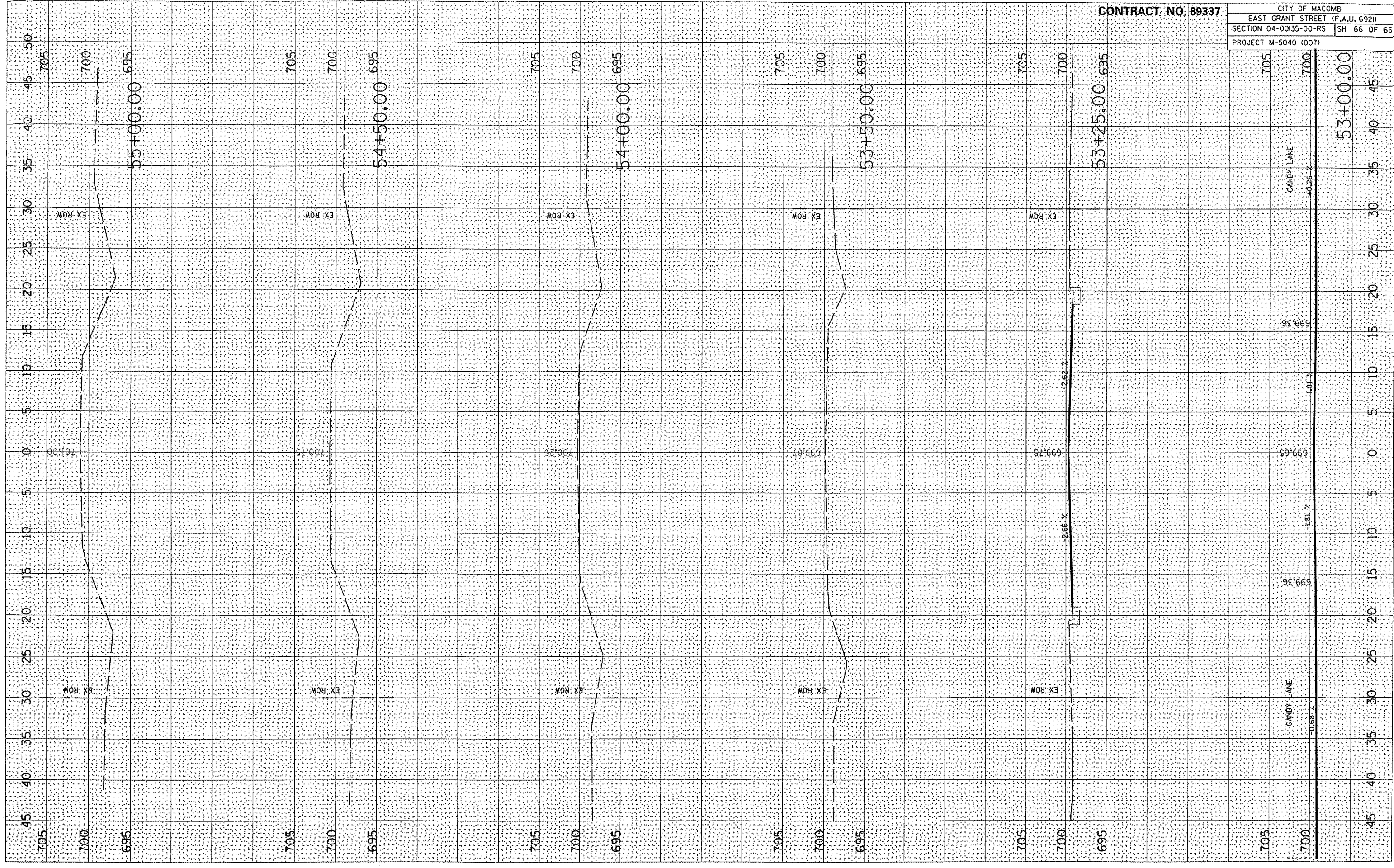
CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 692)
 SECTION 04-00135-00-RS | SH 65 OF 66
 PROJECT M-5040 (007)



FINAL SURVEY NO. _____
 CHECKED BY _____
 DATE _____

FINAL SURVEY NO. _____
 CHECKED BY _____
 DATE _____

DATE: 2/24/2005
 FILE NAME: P:\0404166\Design\Plan\15381.dwg
 PLOT SCALE: 1/8" = 1'-0"
 REFERENCE: 15381



CONTRACT NO. 89337
 CITY OF MACOMB
 EAST GRANT STREET (F.A.U. 6921)
 SECTION 04-00135-00-RS SH 66 OF 66
 PROJECT M-5040 (007)

