

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED  
**WARD STREET IMPROVEMENTS**

F.A.U. ROUTE 6919

SECTION 06-00139-00-PV

McDONOUGH COUNTY

PROJECT APM5040 (009)

JOB No. C-94-048-07

SCALES

PLAN \_\_\_\_\_ 1 INCH = 20 FEET  
PROFILE HORIZ. \_\_\_\_\_ 1 INCH = 20 FEET  
PROFILE VERT. \_\_\_\_\_ 1 INCH = 5 FEET  
CROSS SECTION HORIZ. \_\_\_\_\_ 1 INCH = 10 FEET  
CROSS SECTION VERT. \_\_\_\_\_ 1 INCH = 5 FEET

CITY OF MACOMB-WARD STREET  
SEC. 06-00139-00-PV F.A.U. 6919  
PROJ. M05040 (009)  
CG. TRACT No. 89469 SHT 1 OF 59

SHEET NO.  
**1**  
of **59**

**McClure**  
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Macomb, Illinois 61455  
714 East Jackson Street  
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PLOTTING SCALE: 1" = 1'  
DRAWN BY: TAB/MP'S  
CHECKED BY: cdf  
DATE: OCTOBER 2008

NO.	REVISIONS	ITEM	DATE

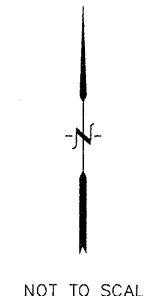
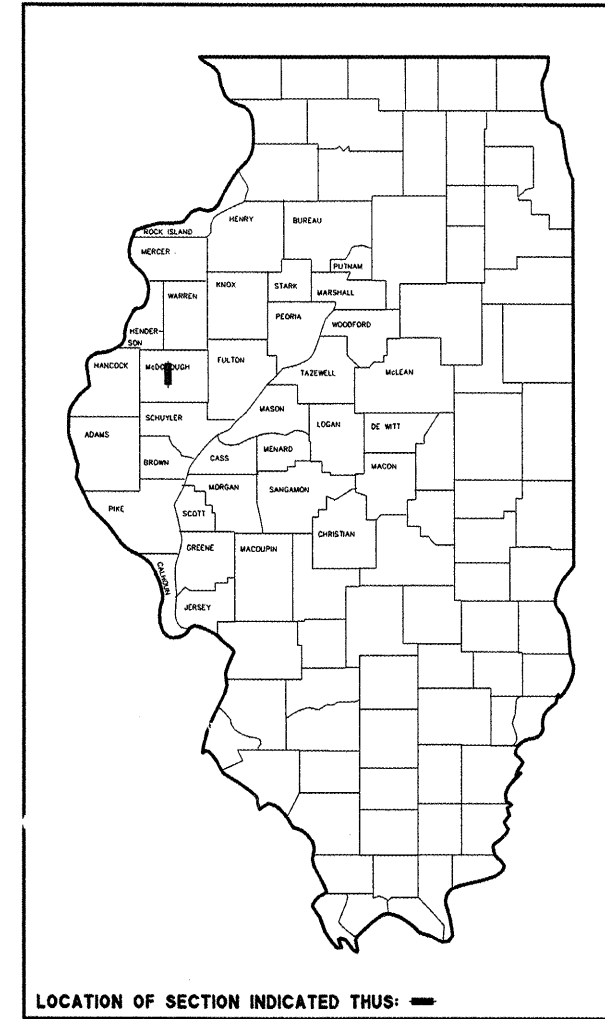
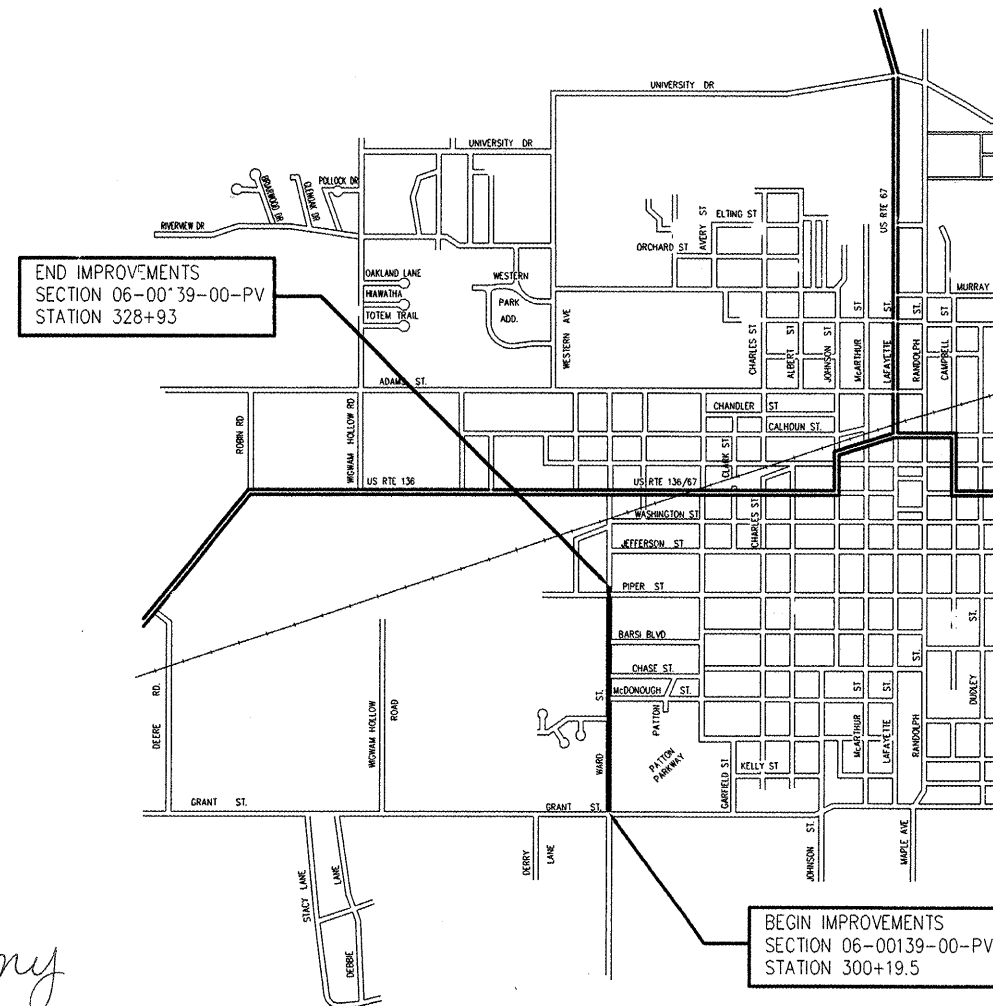
WARD STREET IMPROVEMENTS  
TITLE SHEET  
CITY OF MACOMB  
SOUTH WARD ST.  
FILE NAME: \MACOMB\WARDST\WARD-ST-2007-TYPEC.DWG FIELD BOOK No. 2257 JOB NUMBER: 01-28-07002

INDEX OF SHEETS

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HIGHWAY STANDARDS

000001-05	602301-02	701311-03
280001-04	602306-02	701501-05
420001-07	602401-02	701801-04
420101-04	602601-02	701901-01
420106-04	602701-02	720001-01
420111-02	604001-03	720006-02
424001-05	604006-04	720011-01
542301-02	604011-04	729001-01
542306-02	604036-02	780001-02
602101-02	606001-04	BLR 21-8
602411-01	701006-03	BLR 22-6
	701301-03	



APPROVED 1-13 20 09  
*Mark Winkler*  
LOCAL AGENCY / CITY OF MACOMB (MAYOR)

PASSED 1-30 20 09  
*Dorel C. Paul*  
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW JAN 30 20 09  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



*Jessica A. Remy*  
1/13/09  
Expires 11/30/09



CALL J.U.L.I.E. BEFORE YOU DIG  
1-800-892-0123  
TOLL FREE

**CONTRACT No. 89469**

LENGTH OF PROJECT = 2873.5 FEET = 0.544 MILES  
NET LENGTH OF IMPROVEMENT = 2873.5 FEET = 0.544 MILES  
DESIGN CLASS: COLLECTOR - ADT = 4200  
DESIGN SPEED: 30 MPH  
DESIGN GUIDELINES: URBAN (BLRS MANUAL CHAPTER 32)

**GENERAL NOTES**

- THE LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THE PLANS, ARE BASED UPON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXACT LOCATIONS FROM THE UTILITY COMPANIES PRIOR TO BEGINNING ANY EXCAVATION.
- 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 MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERRED THEIR LOCATIONS.
- 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 ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCE CAUSED BY SAID UTILITY ADJUSTMENTS.
- EXISTING PAVEMENT, SIDEWALK, AND CURB & GUTTER THAT ARE INTENDED TO REMAIN BUT ARE DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- DISABLED ACCESSIBILITY FEATURES (SIDEWALK SLOPES, CURB RAMPS, ETC) SHALL NOT DEVIATE FROM THE PLANS AND STANDARDS INCLUDED. CONSTRUCT RAMPS AT ALL SIDEWALK -ROADWAY INTERSECTIONS AS SHOWN ON THE PLANS.
- TEMPORARY AGGREGATE SURFACE SHALL BE USED FOR DRIVEWAYS AND ROADWAY CROSSINGS AFTER STORM SEWER INSTALLATION AND DURING DRIVEWAY, CURB, AND PAVEMENT CONSTRUCTION OPERATIONS AND AT LOCATIONS AT THE DIRECTION OF THE ENGINEER. THE COST OF TEMPORARY AGGREGATE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR AGGREGATE FOR TEMPORARY ACCESS.
- MAILBOXES WHICH INTERFERE WITH THE PROPOSED IMPROVEMENTS SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR, INSTALLED AT A TEMPORARY LOCATION AND REINSTALLED AT A PERMANENT LOCATION WHEN ALL ROADWAY WORK IS DONE AS DIRECTED BY THE ENGINEER AND APPROVED BY PROPERTY OWNER. RELOCATING MAILBOXES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS AND THE SPECIAL PROVISIONS.
- 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.
- 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 THE VARIOUS BID ITEMS BEING CONSTRUCTED.
- TRENCH BACKFILL SHALL BE PROVIDED UNDER ALL ROADWAY SURFACES, DRIVEWAYS, AND SIDEWALKS.
- EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES: IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS OR STORM SEWER TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED. THE CONNECTING OF EXISTING DRAIN TILES TO NEW STORM SEWERS SHALL BE PAID FOR AT THE CONTRACT PRICE FOR "CONNECT EXISTING HOUSE DRAINS AND FIELD TILES TO PROPOSED STORM SEWERS".

**ENVIRONMENTAL REVIEWS**

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- SIGNED PROPERTY OWNER AGREEMENT FORM -D4 P10100
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM -D4 P10101

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

**SOIL REPORT AVAILABILITY**

ALL SOILS DATA COLLECTED AND PROCESSED FOR THE SOILS REPORT MADE IN CONJUNCTION WITH THE DESIGN OF THIS IMPROVEMENT IS ON FILE AT THE CITY OF MACOMB WHERE IT IS AVAILABLE FOR INSPECTION BY CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT HAS BEEN MADE AVAILABLE AND IS AWARE OF THE REPORT CONTENTS AND APPENDICES.

**LEGEND**

- PROPERTY LINE
- - - EXISTING RIGHT OF WAY
- - - PROPOSED RIGHT OF WAY
- - - PROPOSED TEMP CONSTR. EASEMENT
- FOUND IRON MARKER
- ~ ~ ~ TREE LINE
- - - EDGE OF FIELD
- - - EDGE OF ROAD
- ==== CONCRETE CURB
- - - EDGE OF GRAVEL
- W — EXISTING WATER MAIN
- S — EXISTING SANITARY SEWER
- ST — EXISTING STORM SEWER
- W — PROPOSED STORM SEWER
- W — PROPOSED WATER MAIN
- INL-23 OR ● PROPOSED STORM INLET W/ DESIGNATION
- MH-N ○ PROPOSED STORM MANHOLE W/ DESIGNATION
- STM-7 PROPOSED STORM PIPE DESIGNATION
- ↔ RELOCATED DOMESTIC SERVICE BOX AND METER
- ↔ RELOCATED FIRE HYDRANT
- ↔ PROPOSED GATE VALVE WITH VALVE BOX
- ⊗ GV GAS VALVE
- PED UTILITY PEDESTAL
- ☆ LIGHT POLE
- ⚡ → POWER POLE AND GUY WIRE
- ⊙ EXISTING MANHOLE
- ⊕ BUSH
- ⊗ 24" EXISTING TREE WITH SIZE
- ⊗ 12" EXISTING PINE TREE W/ SIZE
- ⊕ EXISTING FIRE HYDRANT
- ⊗ WV EXISTING WATER VALVE
- ⊕ EXISTING DOMESTIC WATER METER VAULT
- ⊕ EXISTING DOMESTIC WATER SERVICE BOX
- ⊕ INL (OR) ■ EXISTING STORM INLET
- TOP TOP OF MANHOLE ELEVATION
- IE INVERT ELEVATION
- EP EDGE OF PAVEMENT ELEVATION

AGGREGATE (SURFACE, BASE OR BACKFILL)	2.05 TONS/CU YD
STONE RIPRAP	1.75 TONS/CU YD
SEEDING AREAS	
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
MULCH	2 TONS/ACRE

**LIST OF BENCH MARKS**

- BM #1 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT NE CORNER OF WARD AND GRANT ELEVATION 677.54
- BM #2 - PK NAIL IN W FACE OF LIGHT POLE WEST SIDE OF WARD, 800'± NORTH OF GRANT ST ELEVATION 676.59
- BM #3 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT NE CORNER OF WARD AND McDONOUGH ELEVATION 690.05
- BM #4 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT AT NE CORNER OF WARD AND CHASE ELEVATION 690.71
- BM #5 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT AT NE CORNER OF WARD AND BARS! ELEVATION 694.29
- BM #6 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT AT SE CORNER OF PIPER AND WARD ELEVATION 696.96 (TO BE RELOCATED)

**LIST OF UTILITIES**

- J.U.L.I.E. \_\_\_\_\_ 1-800-892-0123
- WATER \_\_\_\_\_ CITY OF MACOMB
- SANITARY SEWER \_\_\_\_\_ CITY OF MACOMB
- STORM SEWER \_\_\_\_\_ CITY OF MACOMB
- TELEPHONE \_\_\_\_\_ VERIZON
- GAS \_\_\_\_\_ AMEREN CIPS
- ELECTRIC \_\_\_\_\_ AMEREN CIPS
- CABLE TELEVISION \_\_\_\_\_ COMCAST

CITY OF MACOMB-WARD STREET	
SEC. 06-00139-00-PV	F.A.U. 6919
PROJ. M05040 (009)	
CONTRACT No. 89469	SHT 2 OF 59

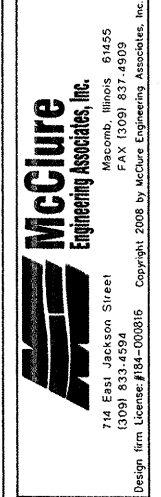
SHEET NO  
**2**  
of **59**

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CHECKED BY:	JAF
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REVISIONS		DATE
NO.	ITEM	

**WARD STREET IMPROVEMENTS AND BENCH MARKS**  
**GENERAL NOTES, LEGEND AND BENCH MARKS**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\TYPICAL\SECTIONS FIELD BOOK No. 2237 JOB NUMBER: 03-25-0809



PLOTTING SCALE: 1" = 1'  
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 CHECKED BY: ECM  
 DATE: OCTOBER 2008

NO.	REVISIONS	DATE

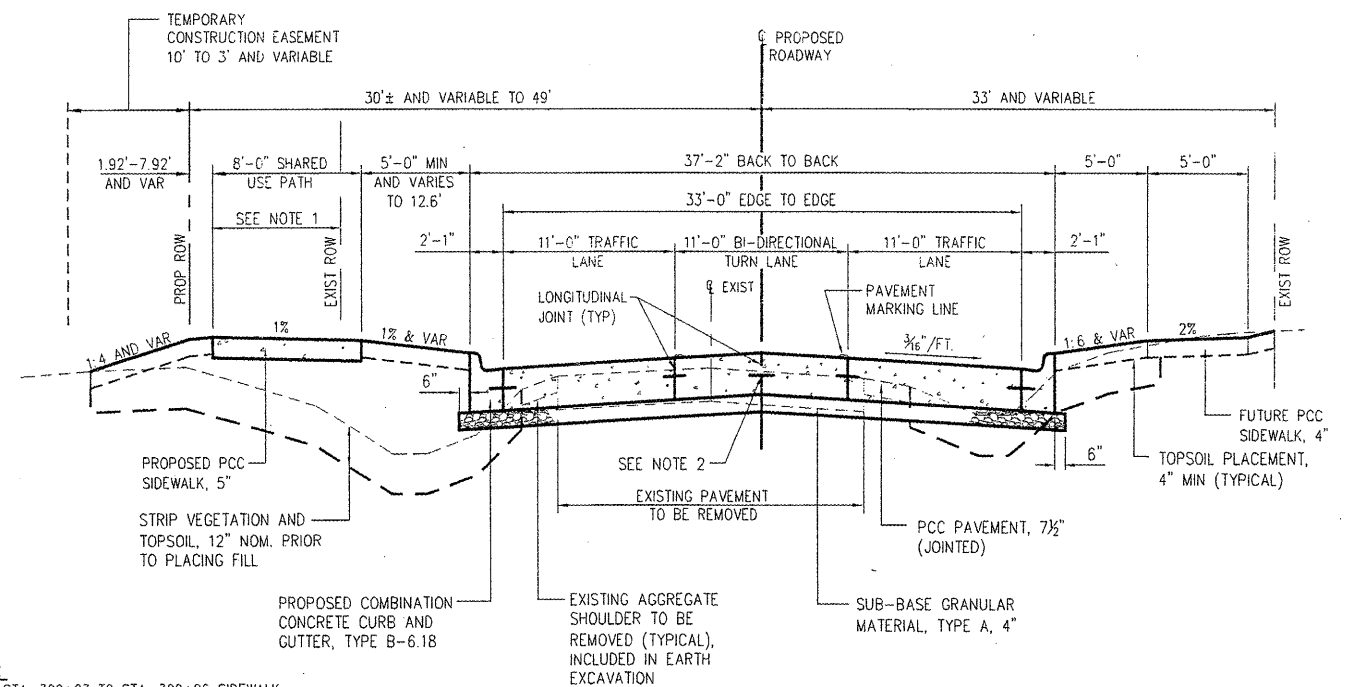
**WARD STREET IMPROVEMENTS SUMMARY OF QUANTITIES**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD-ST-2007-QUANT-SCH.DWG FIELD BOOK No. 2257 JOB NUMBER: 05-26-0808  
 MACOMB, ILLINOIS

PAY ITEM #	ITEM DESCRIPTION	ABBREVIATION	UNIT	QUANTITY
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOV OVER 15	UNIT	72
20100500	TREE REMOVAL, ACRES	TREE REMOV ACRES	ACRE	0.1
20200100	EARTH EXCAVATION	EARTH EXCAVATION	CU YD	2310
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	REM & DISP UNS MATL	CU YD	2800
20400800	FURNISHED EXCAVATION	FURNISHED EXCAV	CU YD	3850
20700110	POROUS GRANULAR EMBANKMENT	POROUS GRAN EMBANK	TON	747
20800150	TRENCH BACKFILL	TRENCH BACKFILL	CU YD	1046
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	GEOTECH FAB F/GR STAB	SQ YD	1970
21101505	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL EXC & PLAC	CU YD	806
25000100	SEEDING, CLASS 1	SEEDING CL 1	ACRE	1.5
25000400	NITROGEN FERTILIZER NUTRIENT	NITROGEN FERT NUTR	POUND	135
25000500	PHOSPHORUS FERTILIZER NUTRIENT	PHOSPHORUS FERT NUTR	POUND	135
25000600	POTASSIUM FERTILIZER NUTRIENT	POTASSIUM FERT NUTR	POUND	135
25100105	MULCH, METHOD 1	MULCH METHOD 1	ACRE	1.5
28000250	TEMPORARY EROSION CONTROL SEEDING	TEMP EROS CONTR SEED	POUND	150
28000300	TEMPORARY DITCH CHECKS	TEMP DITCH CHECKS	EACH	6
28000400	PERIMETER EROSION BARRIER	PERIMETER EROS BAR	FOOT	3390
28000500	INLET & PIPE PROTECTION	INLET & PIPE PROTECT	EACH	44
28100107	STONE RIPRAP, CLASS A4	STONE RIPRAP CL A4	SQ YD	56
28200200	FILTER FABRIC	FILTER FABRIC	SQ YD	56
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SUB GRAN MAT A 4	SQ YD	13316
40200100	AGGREGATE SURFACE COURSE, TYPE A	AGG SURF CSE A	TON	79
40201000	AGGREGATE FOR TEMPORARY ACCESS	AGGREGATE-TEMP ACCESS	TON	1124
42000211	PCC PAVEMENT, 7 1/2" (JOINTED)	PCC PVT 7 1/2 JOINTD	SQ YD	11674
42001300	PROTECTIVE COAT	PROTECTIVE COAT	SQ YD	5580
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	PCC DRIVEWAY PAVT 6	SQ YD	302
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7"	PCC DRIVEWAY PAVT 7	SQ YD	585
42400000	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	PC CONC SIDEWALK 4	SQ FT	2225
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	PC CONC SIDEWALK 5	SQ FT	21167
42400610	** TEMPORARY SIDEWALK	TEMP SIDEWALK	SQ FT	296
42400800	DETECTABLE WARNINGS	DETECTABLE WARNINGS	SQ FT	249
44000100	PAVEMENT REMOVAL	PAVEMENT REM	SQ YD	8509
44000200	DRIVEWAY PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REM	SQ YD	826
44000300	CURB REMOVAL	CURB REM	FOOT	34
44000500	COMBINATION CURB AND GUTTER REMOVAL	COMB CURB GUTTER REM	FOOT	522
44000600	SIDEWALK REMOVAL	SIDEWALK REM	SQ FT	1062
50105220	** PIPE CULVERT REMOVAL	PIPE CULVERT REMOV	FOOT	541
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12"	PRC FLAR END SEC 12	EACH	2
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15"	PRC FLAR END SEC 15	EACH	1
54214725	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE, 30"	PRCF END S EL EQRS 30	EACH	1
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2, 24"	SS RG CL A 2 24	FOOT	53
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV, 12"	SS 1 RCP CL 4 12	FOOT	870
55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV, 15"	SS 1 RCP CL 4 15	FOOT	133
55019800	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV, 21"	SS 1 RCP CL 4 21	FOOT	239
55019900	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV, 24"	SS 1 RCP CL 4 24	FOOT	813
55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III, 12"	SS 2 RCP CL 3 12	FOOT	160
55022000	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III, 24"	SS 2 RCP CL 3 24	FOOT	819
55022100	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III, 27"	SS 2 RCP CL 3 27	FOOT	230
55035600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 38, RISE 24	SS 2 RCEP S38 R24	FOOT	68
55100300	STORM SEWER REMOVAL 8"	STORM SEWER REMOV 8	FOOT	13
55100500	STORM SEWER REMOVAL 12"	STORM SEWER REMOV 12	FOOT	297
55100700	STORM SEWER REMOVAL 15"	STORM SEWER REMOV 15	FOOT	277
△ 56109210	** WATER VALVES TO BE ADJUSTED	WATER VALVE ADJUST	EACH	13
△ 56200200	WATER SERVICE LINE, 3/4"	WATER SERV LINE 3/4	FOOT	109
△ 56400100	FIRE HYDRANTS TO BE MOVED	FIRE HYDNTS TO BE MVD	EACH	2
△ 56500100	DOMESTIC METER VAULTS TO BE MOVED	DOM MET VLTS MOVED	EACH	2
△ 56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	DOM WAT SER BOX MOVED	EACH	2
△ 56500300	** DOMESTIC METER VAULTS TO BE ADJUSTED	DOM MET VLTS ADJ	EACH	8
△ 56500600	** DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	DOM WAT SER BOX ADJ	EACH	3
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CONTR LOW-STRENG MATL	CU YD	96

PAY ITEM #	ITEM DESCRIPTION	ABBREVIATION	UNIT	QUANTITY
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	MAN TA 5 DIA T1F OL	EACH	6
60224445	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, OPEN LID	MAN TA 7 DIA T1F OL	EACH	2
60229000	** MANHOLES, SPECIAL, TYPE 1	MAN SPL T1	EACH	12
60229100	** MANHOLES, SPECIAL, TYPE 2	MAN SPL T2	EACH	1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	INLETS TA T3F&G	EACH	4
60236200	INLETS, TYPE A, TYPE 8 GRATE	INLETS TA T8 G	EACH	5
60240210	** INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	INLETS TB T1F OL	EACH	1
60240220	** INLETS, TYPE B, TYPE 3 FRAME AND GRATE	INLETS TB T3F&G	EACH	1
60240370	** INLETS, TYPE B, WITH SALVAGED FRAME AND GRATE	INLETS TB SALV F&G	EACH	1
60242500	** INLETS, SPECIAL NO. 1	INLETS SPL N1	EACH	23
60242600	** INLETS, SPECIAL NO. 2	INLETS SPL N2	EACH	4
60255500	MANHOLES TO BE ADJUSTED	MAN ADJUST	EACH	16
60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	MAN ADJ NEW T1F OL	EACH	1
60260100	INLETS TO BE ADJUSTED	INLET ADJUST	EACH	1
60265700	VALVE VAULTS TO BE ADJUSTED	VV ADJUST	EACH	1
60500040	REMOVING MANHOLES	REMOV MANHOLES	EACH	1
60500060	REMOVING INLETS	REMOV INLETS	EACH	6
60600605	CONCRETE CURB, TYPE B	CONC CL. B TB	FOOT	46
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	COMB CC&G TB6.18	FOOT	5807
61140700	STORM SEWERS, SPECIAL 20"	STORM SEWER SPEC 20	FOOT	36
67100100	MOBILIZATION	MOBILIZATION	L SUM	1
70101700	** TRAFFIC CONTROL & PROTECTION	TRAF CONT & PROT	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVT MKING	FOOT	304
70300200	TEMPORARY PAVEMENT MARKING	TEMP PAVT MARKING	FOOT	304
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	WORK ZONE PAVT MK REM	SQ FT	102
72000100	SIGN PANEL - TYPE 1	SIGN PANEL T1	SQ FT	64
△ 78008210	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	POLYUREA PM T1 LN 4	FOOT	6711
△ 78008230	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	POLYUREA PM T1 LN 6	FOOT	660
△ 78008240	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	POLYUREA PM T1 LN 8	FOOT	43
△ 78008250	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	POLYUREA PM T1 LN 12	FOOT	109
△ 78008270	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24"	POLYUREA PM T1 LN 24	FOOT	121
Z0013798	** CONSTRUCTION LAYOUT	CONSTRUCTION LAYOUT	L SUM	1
△ Z0076600	** TRAINEES	TRAINEES	HOUR	1000
△ XX000731	** CASING PIPE	CASING PIPE	FOOT	44
XX0002873	** BRICK SIDEWALK REMOVAL	BRICK SIDEWALK REMOVAL	SQ FT	775
XX0003960	** STORM SEWER PVC (SDR 26) 12"	STORM S PVC SDR26 12	FOOT	118
XX0006431	** STORM SEWERS, PVC 12"	STORM SEWERS PVC 12	FOOT	17
△ X0300025	WATER SERVICE CONNECTION 3/4"	WAT SER CONN 3/4	EACH	2
△ X0324635	** ADJUST EXISTING WATER MAIN UNDER STORM SEWER	ADJ WAT MAIN UNDER SS	EACH	1
X6020074	** INLETS, TYPE A, TYPE 3V FRAME AND GRATE	INLETS TA T3V F&G	EACH	1
△ X78000500	** POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS, SPECIAL	POLYUREA PM LTR-SY SPL	SQ FT	469
XX007986	** CONNECT EXISTING HOUSE DRAINS AND FIELD TILES TO PROPOSED STORM SEWERS	CON HSE DR & FLD T SS	EACH	10

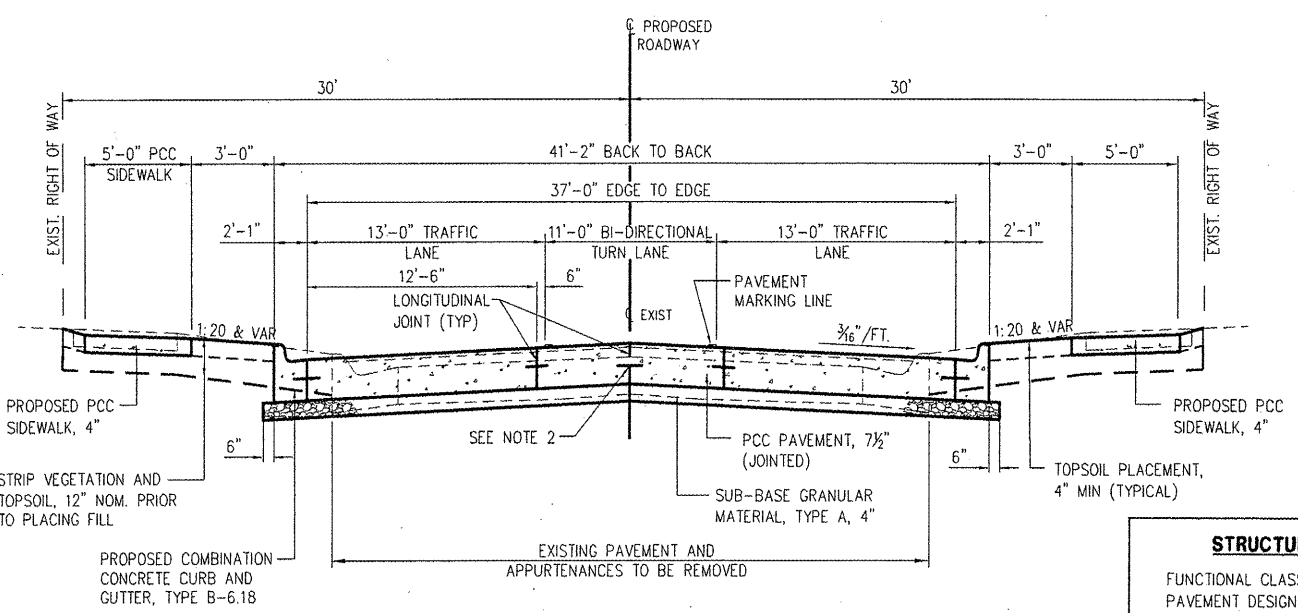
△ SPECIALTY ITEMS  
 ^ Y080

NO.	REVISIONS	DATE



**WARD STREET TYPICAL SECTION**  
 (GRANT STREET TO PIPER STREET)  
 (STA. 300+03 TO 327+10)  
 (LOOKING NORTH)

- NOTES:**
- FROM STA. 300+03 TO STA. 309+96 SIDEWALK TO BE CONSTRUCTED PARTIALLY IN A 5' WIDE PERMANENT SIDEWALK EASEMENT
  - THE BARS WILL BE REQUIRED IN ADDITION TO THE OTHERS SHOWN IF THE PAVEMENT IS CONSTRUCTED WITH A LONGITUDINAL CONSTRUCTION JOINT AT THE CENTERLINE.
  - IT IS ANTICIPATED THAT UNSUITABLE BASE MATERIAL MAY BE ENCOUNTERED FROM STA. 310+00 TO STA. 312+00 AND STA. 323+50 TO STA. 325+50. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL OVEREXCAVATE 12" NOM AND PLACE GEOTECHNICAL FABRIC AND POURUS GRANULAR EMBANKMENT TO SUBGRADE



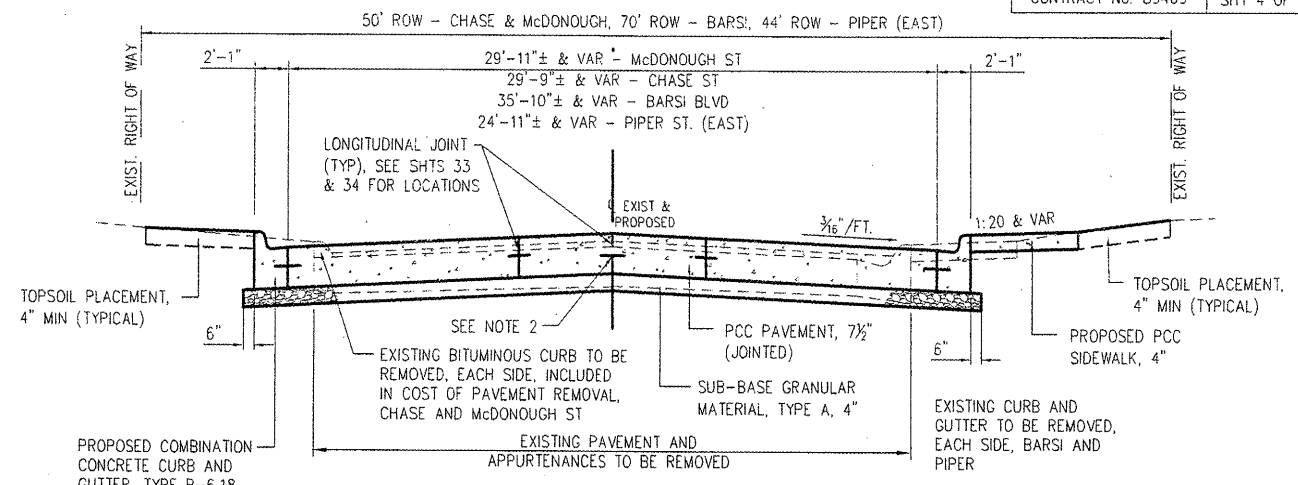
**WARD STREET TYPICAL SECTION**  
 (PIPER STREET TO JEFFERSON STREET)  
 (STA. 327+10 TO 328+72)  
 (LOOKING NORTH)

**STRUCTURAL DESIGN INFORMATION**

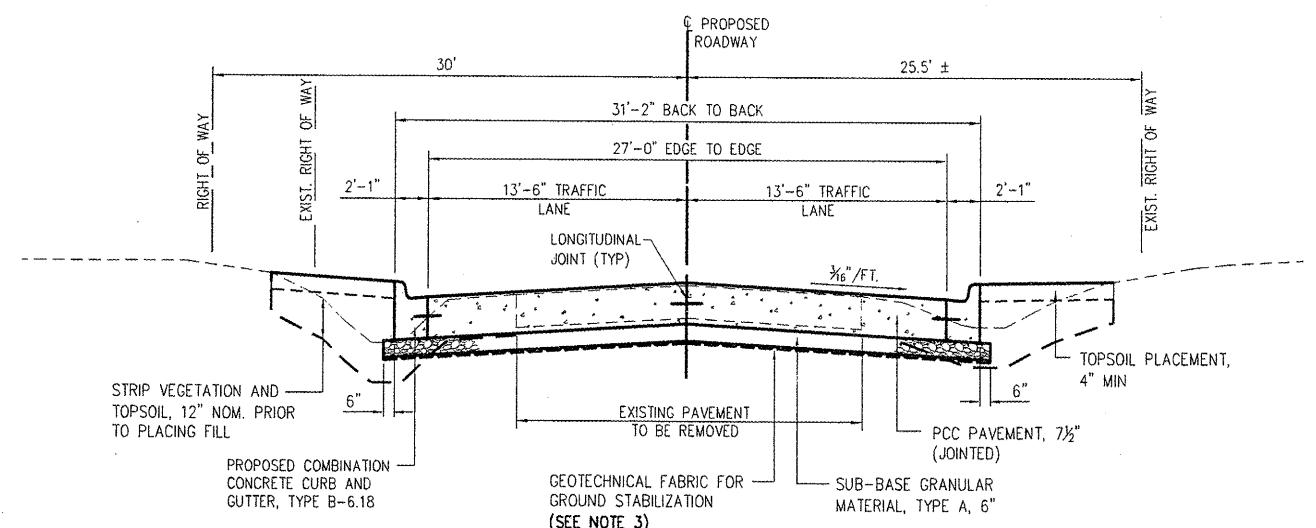
FUNCTIONAL CLASSIFICATION - COLLECTOR  
 PAVEMENT DESIGN PERIOD : 20 YEARS  
 STRUCTURAL DESIGN TRAFFIC : YEAR 2019  
 PV = 4825 (96.5%) SU = 150 (3%) MU = 25 (0.5%)  
 ROAD/STREET CLASSIFICATION: CLASS II TWO WAY URBAN STREET  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = S = M = 50%

**RIGID PAVEMENT DESIGN**  
 IF = 0.35  
 SSR = POOR  
 TIED CURB AND GUTTER-5 OVERLOADS PER WEEK

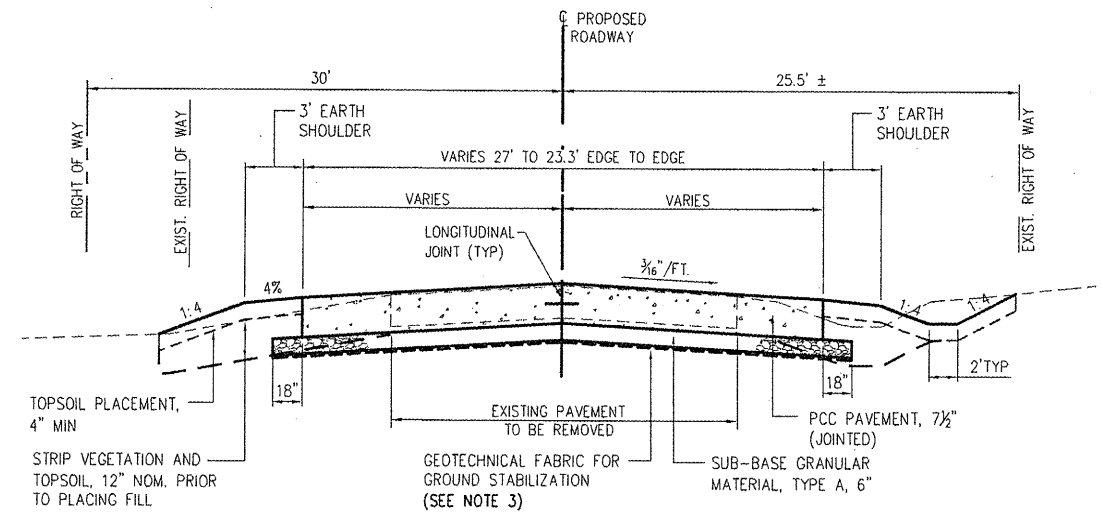
BEGINNING THICKNESS = 7.00"  
 TIED CURB AND GUTTER ADJUSTMENT = - 0.25"  
 SUBGRADE SUPPORT (POOR-IMPROVED SUBGRADE) = NO ADJ.  
 OVERLOADS = + 0.26  
 FINAL THICKNESS = 7.01" (USE 7.5")  
 MAX TRAVERSE JOINT SPACING = 12.5'



**TYPICAL SECTION**  
 McDONOUGH, CHASE, BARSİ & PIPER (EAST)



**PIPER STREET TYPICAL SECTION**  
 (WEST OF WARD STREET - STA. 5+16.5 TO 6+20)  
 (LOOKING WEST)



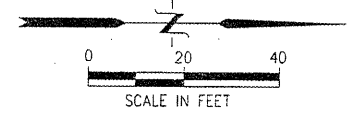
**PIPER STREET TYPICAL SECTION**  
 (WEST OF WARD STREET - STA. 6+20 TO 7+20)  
 (LOOKING WEST)





CITY OF MACOMB-WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 7 OF 59

SHEET NO.  
**7**  
 of **59**



**ITEM LEGEND**

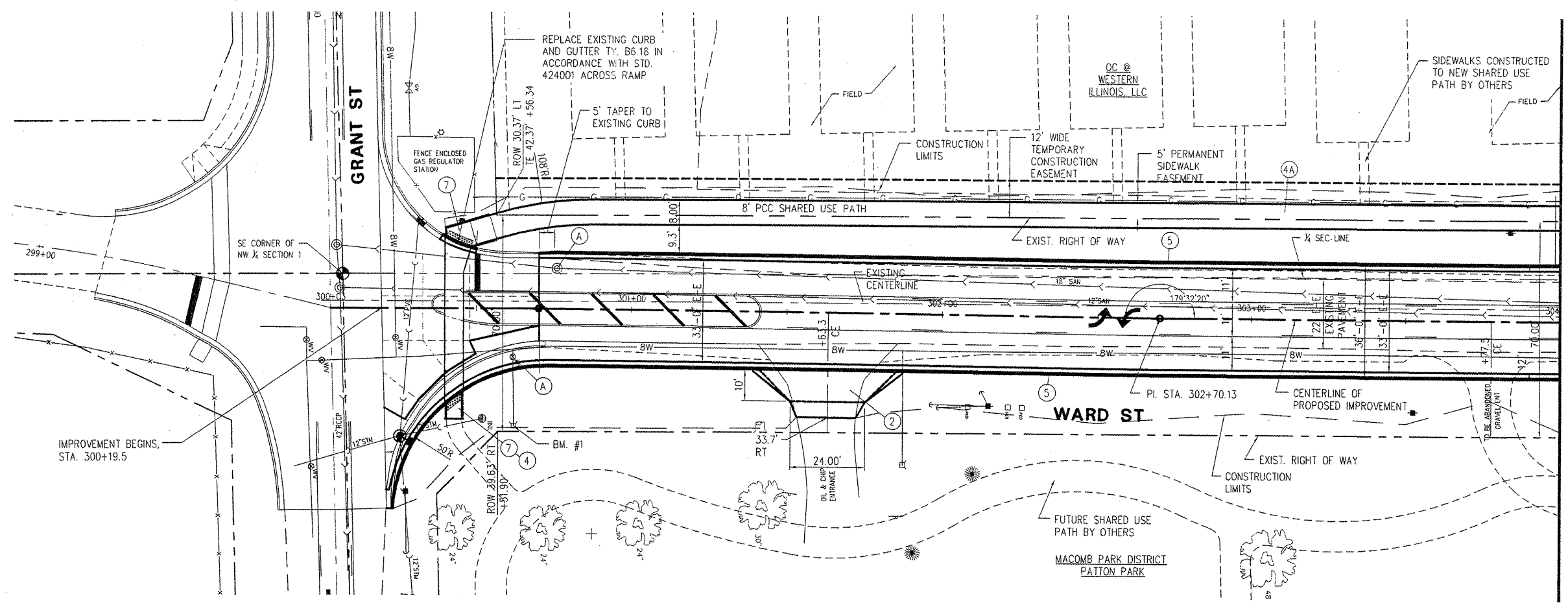
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- ② PCC DRIVEWAY PAVEMENT, 7"
- ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
- ④ PCC SIDEWALK, 4"
- ④A PCC SIDEWALK 5"
- ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.1B
- ⑥ CONCRETE CURB, TYPE B, 6"
- ⑦ SIDEWALK RAMP W/ DETECTABLE WARNING
- ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
- (A) MANHOLE, VALVE BOX, WATER SERVICE BOX OR METER VAULT TO BE ADJUSTED

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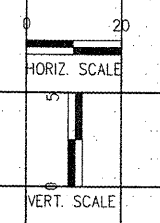
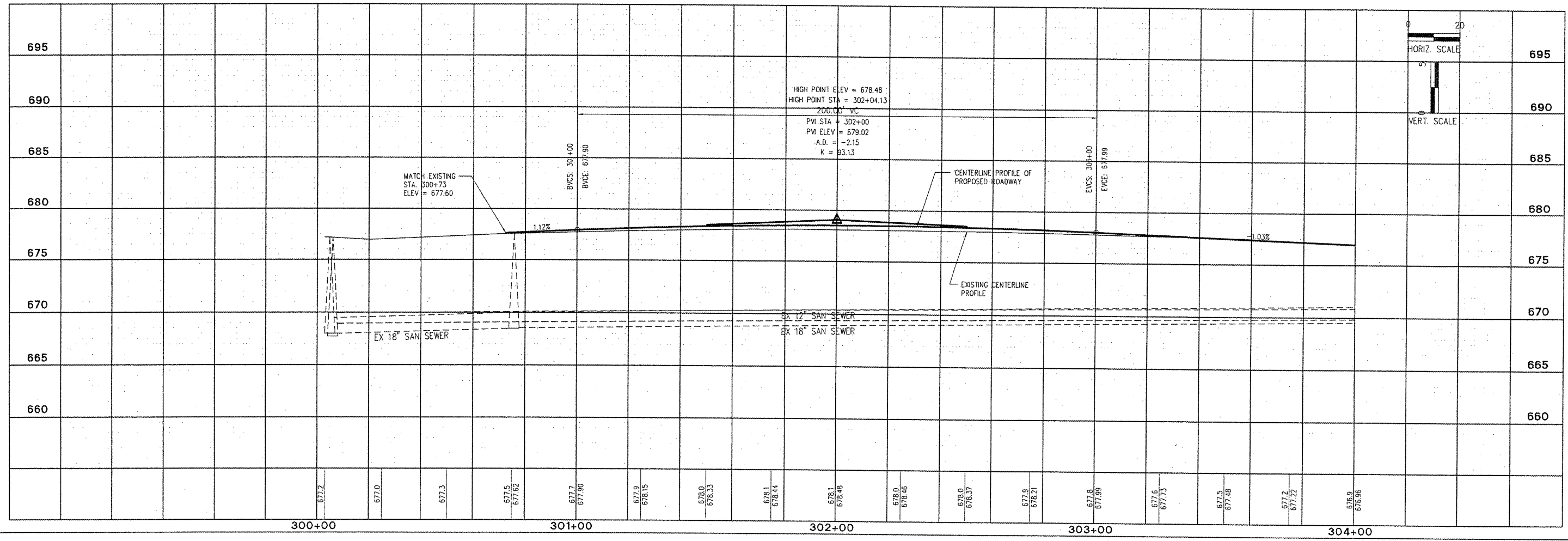
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 CHECKED BY: ECM  
 DATE: OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**PLAN AND PROFILE - STA. 300+19 TO 304+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 01-28-08099



MATCHLINE STA. 304+00

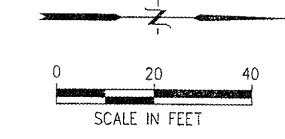
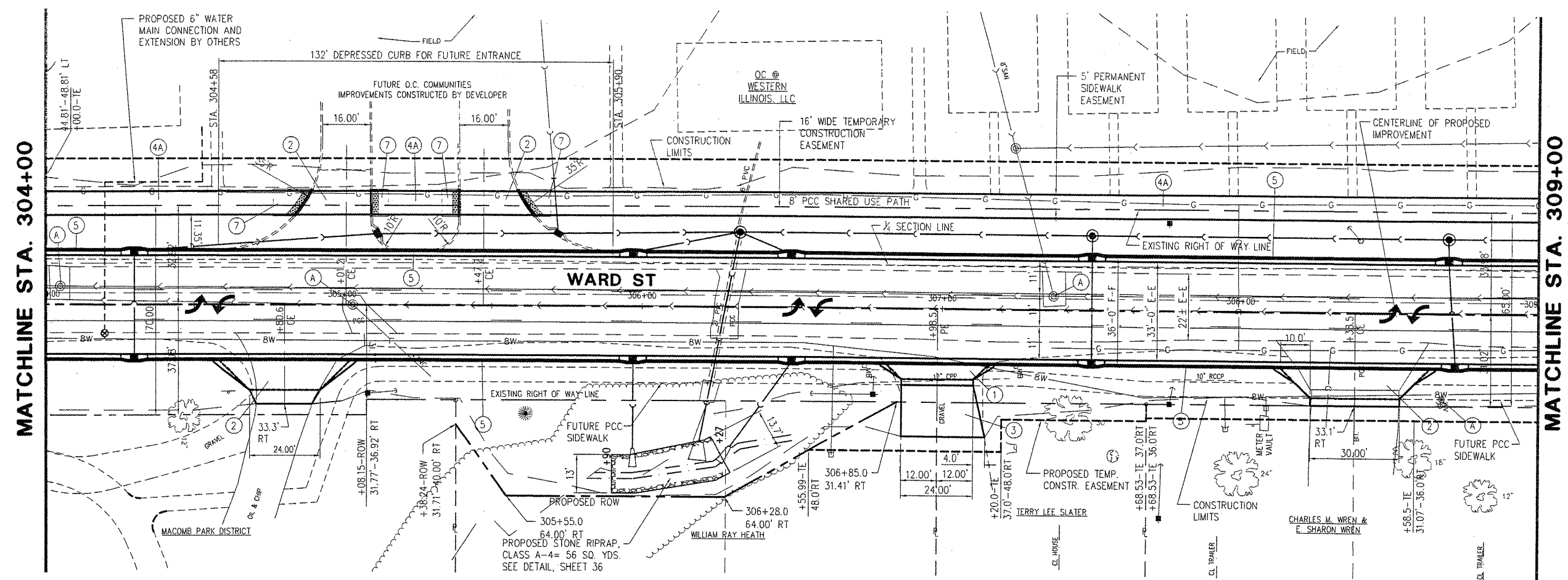


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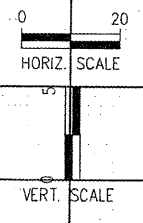
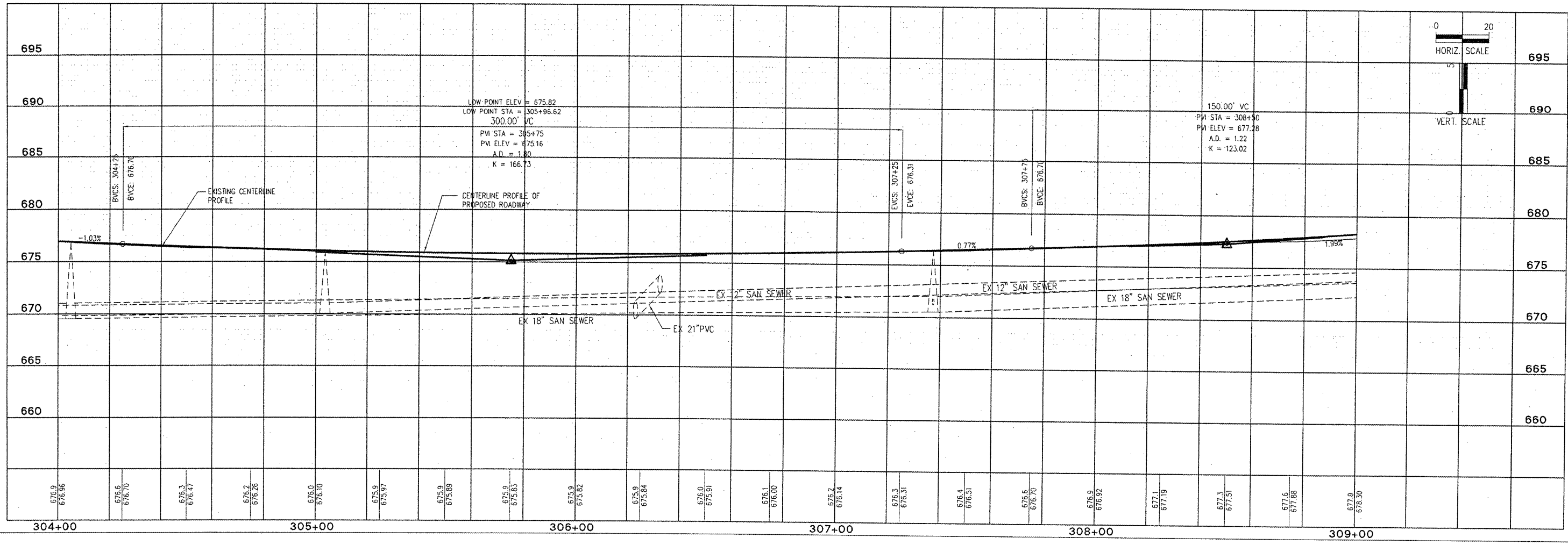
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 CHECKED BY: ECM  
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NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**PLAN AND PROFILE - STA. 304+00 TO 309+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
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 MACOMB, ILLINOIS



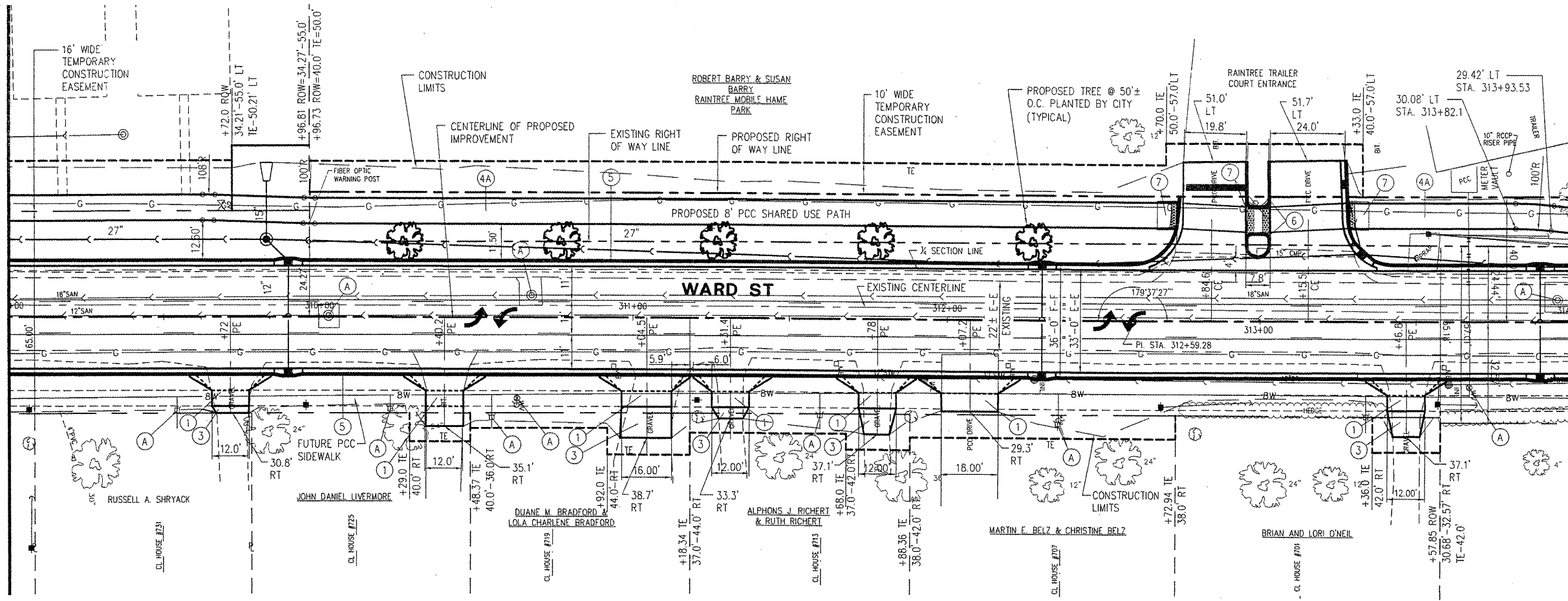
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  - ② PCC DRIVEWAY PAVEMENT, 7"
  - ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
  - ④ PCC SIDEWALK, 4"
  - ④A PCC SIDEWALK 5"
  - ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
  - ⑥ CONCRETE CURB, TYPE B, 6"
  - ⑦ SIDEWALK RAMP W/ DETECTABLE WARNING
  - ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
  - (A) MANHOLE, VALVE BOX, WATER SERVICE BOX OR METER VAULT TO BE ADJUSTED





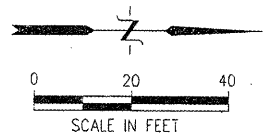
MATCHLINE STA. 309+00

MATCHLINE STA. 314+00



CITY OF MACOMB - WARD STREET	
SEC. 06-00139-00-PV	F.A.U. 6919
PROJ. M05040 (009)	
CONTRACT No. 89469	SHT 9 OF 59

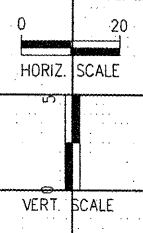
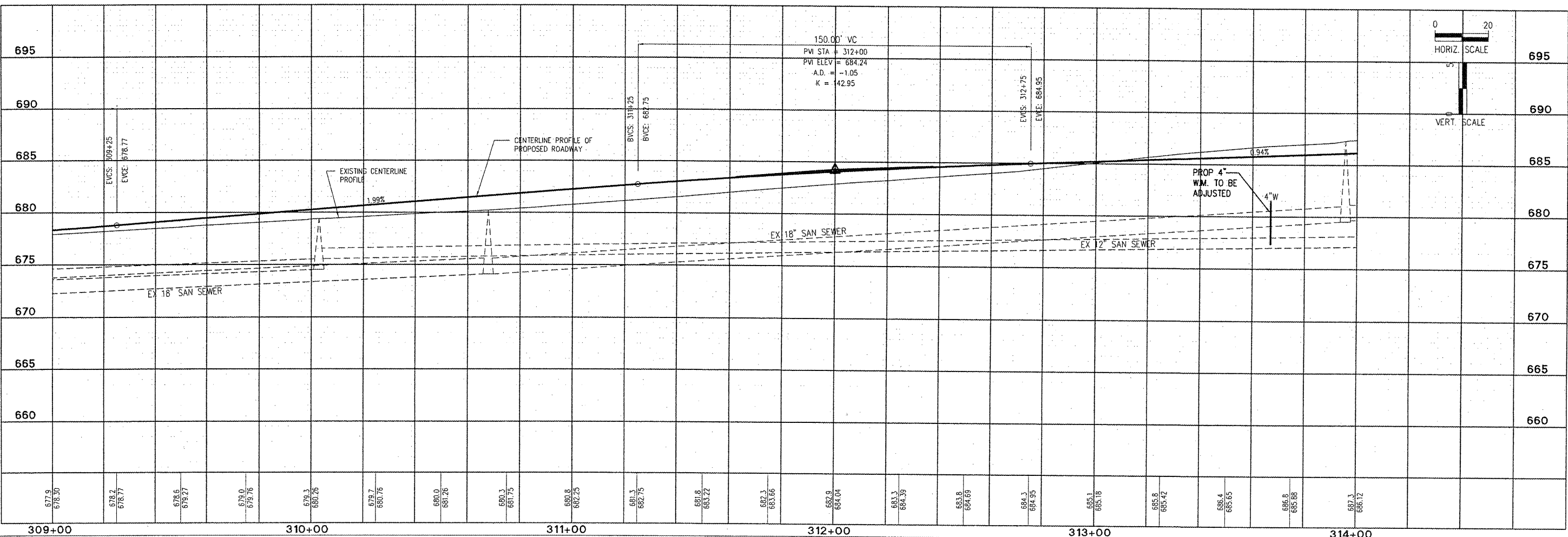
SHEET NO  
**9**  
OF  
**59**



- ITEM LEGEND**
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  - ② PCC DRIVEWAY PAVEMENT, 7"
  - ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
  - ④ PCC SIDEWALK, 4"
  - ④A PCC SIDEWALK 5"
  - ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.1B
  - ⑥ CONCRETE CURB, TYPE B, 6"
  - ⑦ SIDEWALK RAMP W/ DETECTABLE WARNING
  - ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
  - Ⓐ MANHOLE, VALVE BOX, WATER SERVICE BOX OR METER VAULT TO BE ADJUSTED

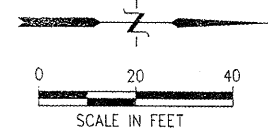
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**WARD STREET IMPROVEMENTS**  
**PLAN AND PROFILE - STA. 309+00 TO 314+00**  
CITY OF MACOMB  
SOUTH WARD ST.  
FILE NAME: H:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-28-09099  
MACOMB, ILLINOIS



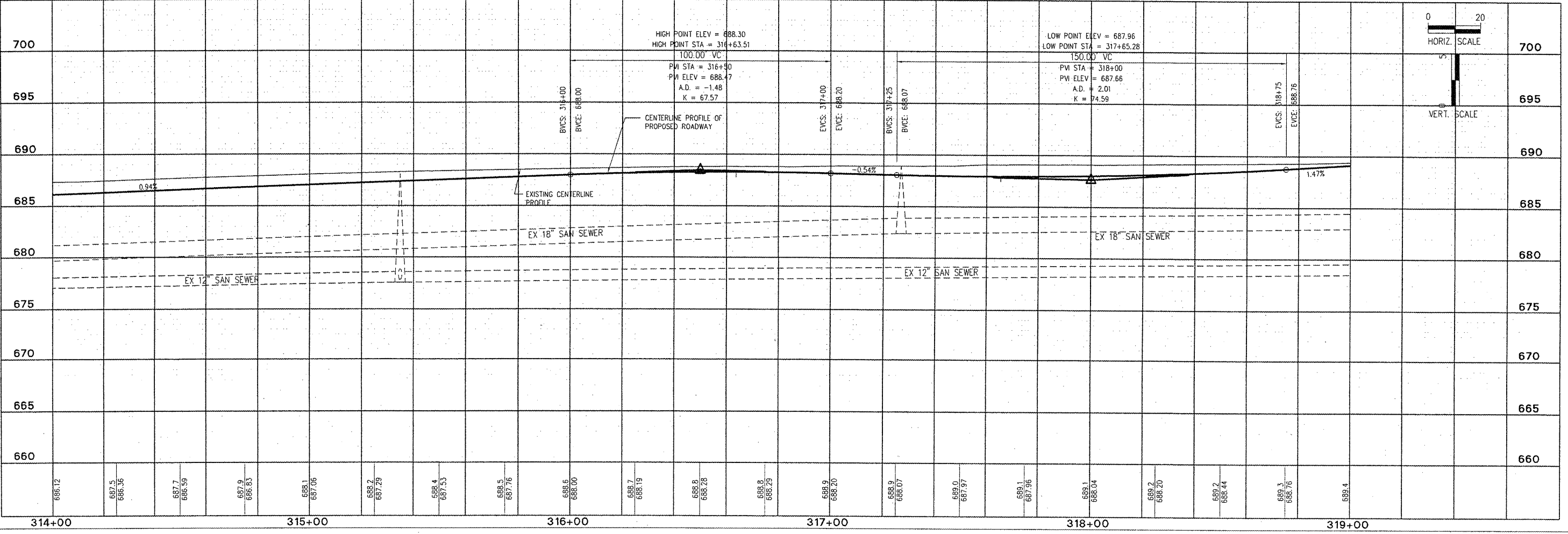
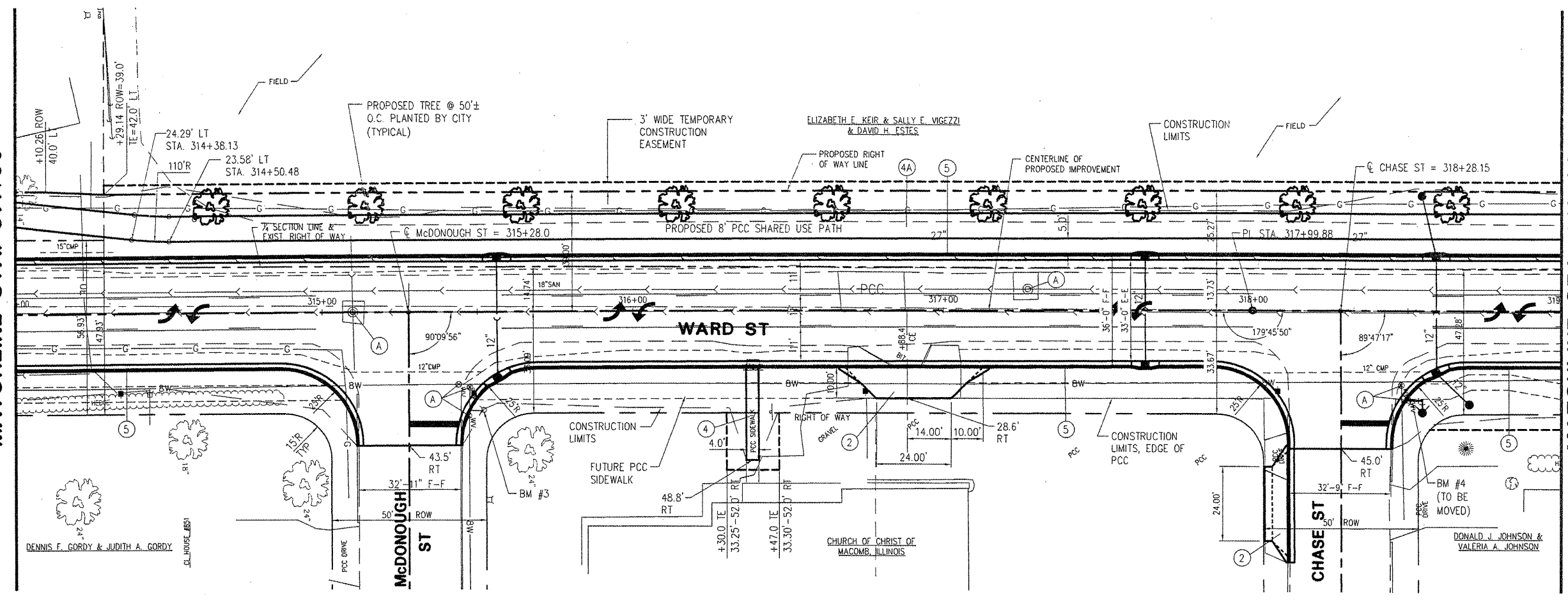
- ITEM LEGEND**
- ① PCC DRIVEWAY PAVEMENT, 6"
  - ② PCC DRIVEWAY PAVEMENT, 7"
  - ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
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  - ④A PCC SIDEWALK 5"
  - ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
  - ⑥ CONCRETE CURB, TYPE B, 6"
  - ⑦ SIDEWALK RAMP W/ DETECTABLE WARNING
  - ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
  - (A) MANHOLE, VALVE BOX, WATER SERVICE BOX OR METER VAULT TO BE ADJUSTED

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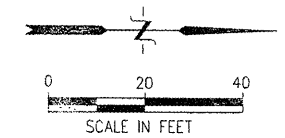
MATCHLINE STA. 314+00

MATCHLINE STA. 319+00



NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**PLAN AND PROFILE - STA. 314+00 TO 319+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-57-2007 FIELD BOOK No. 2237 JOB NUMBER: 03-28-08098



- ITEM LEGEND**
- ① PCC DRIVEWAY PAVEMENT, 6"
  - ② PCC DRIVEWAY PAVEMENT, 7"
  - ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
  - ④ PCC SIDEWALK, 4"
  - ④A PCC SIDEWALK 5"
  - ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
  - ⑥ CONCRETE CURB, TYPE B, 6"
  - ⑦ SIDEWALK RAMP W/ DETECTABLE WARNING
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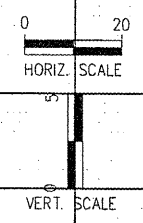
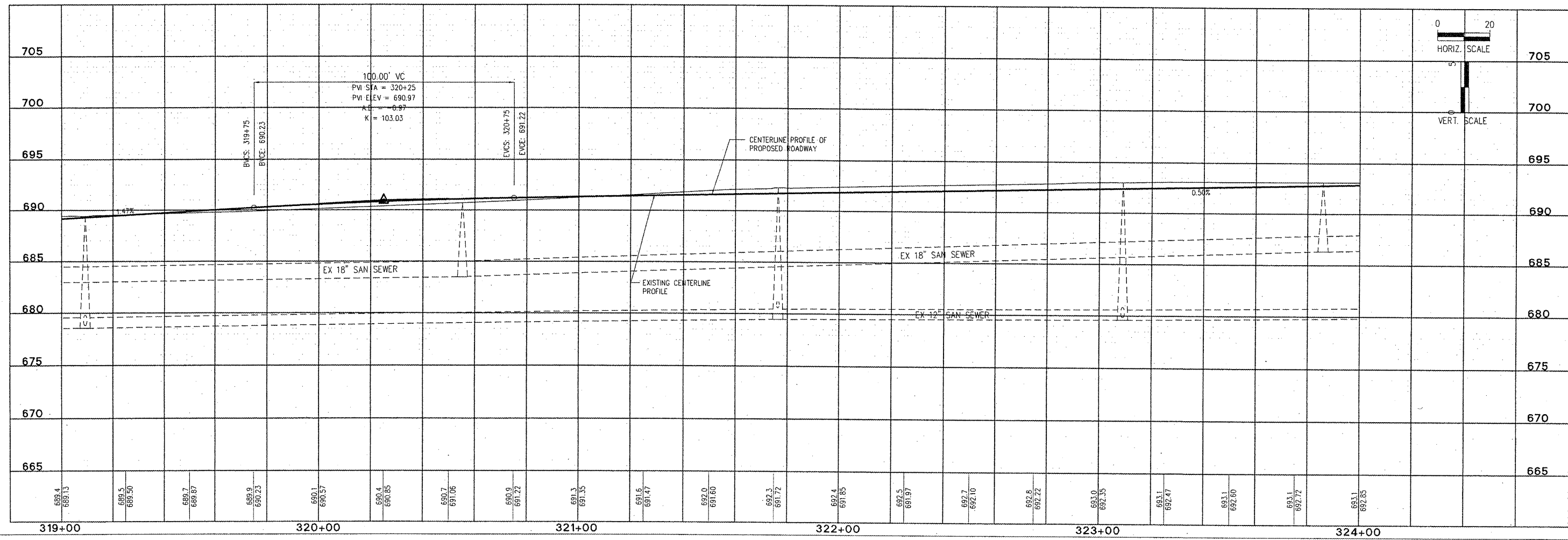
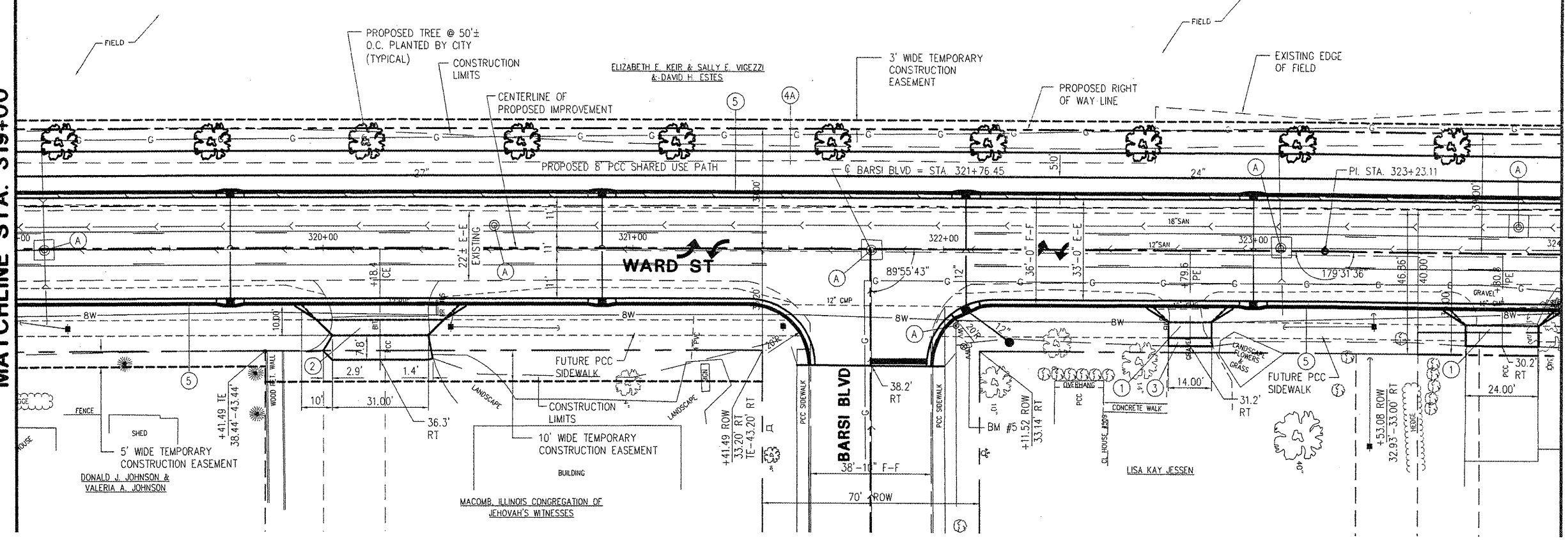
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CHECKED BY:	DATE: OCTOBER 2008

NO.	REVISIONS	DATE

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 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-26-08058

MATCHLINE STA. 319+00

MATCHLINE STA. 324+00

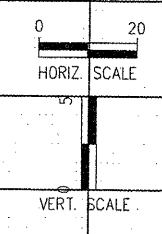
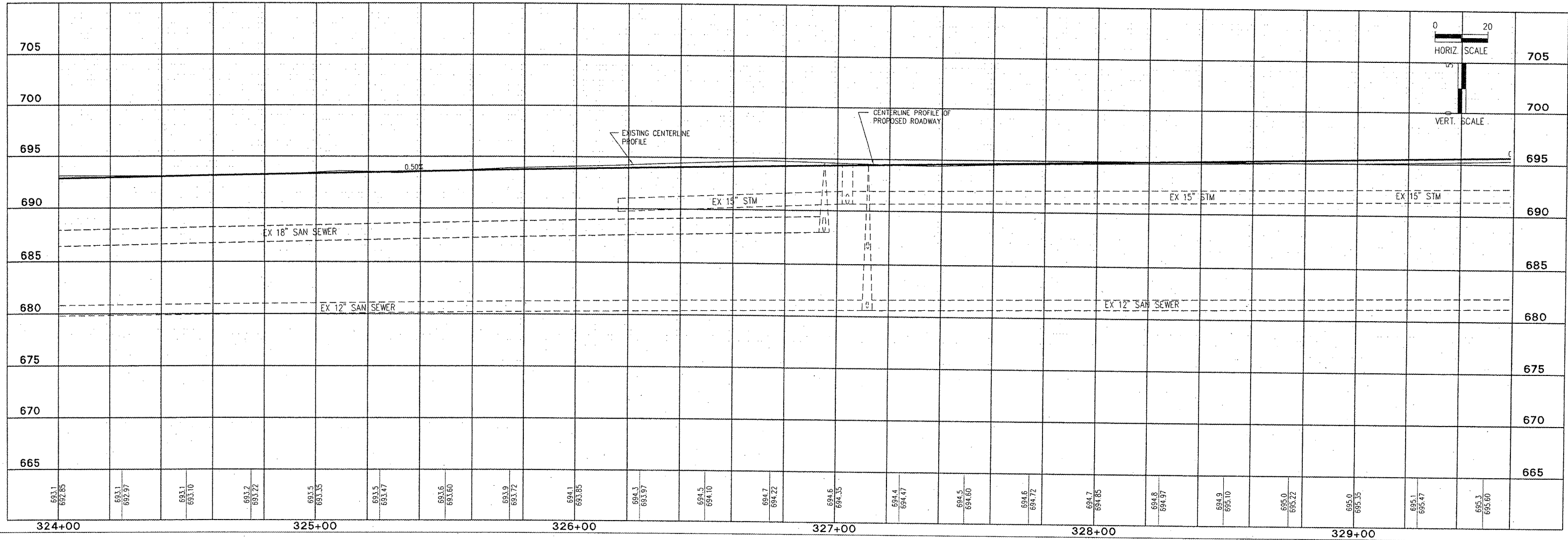
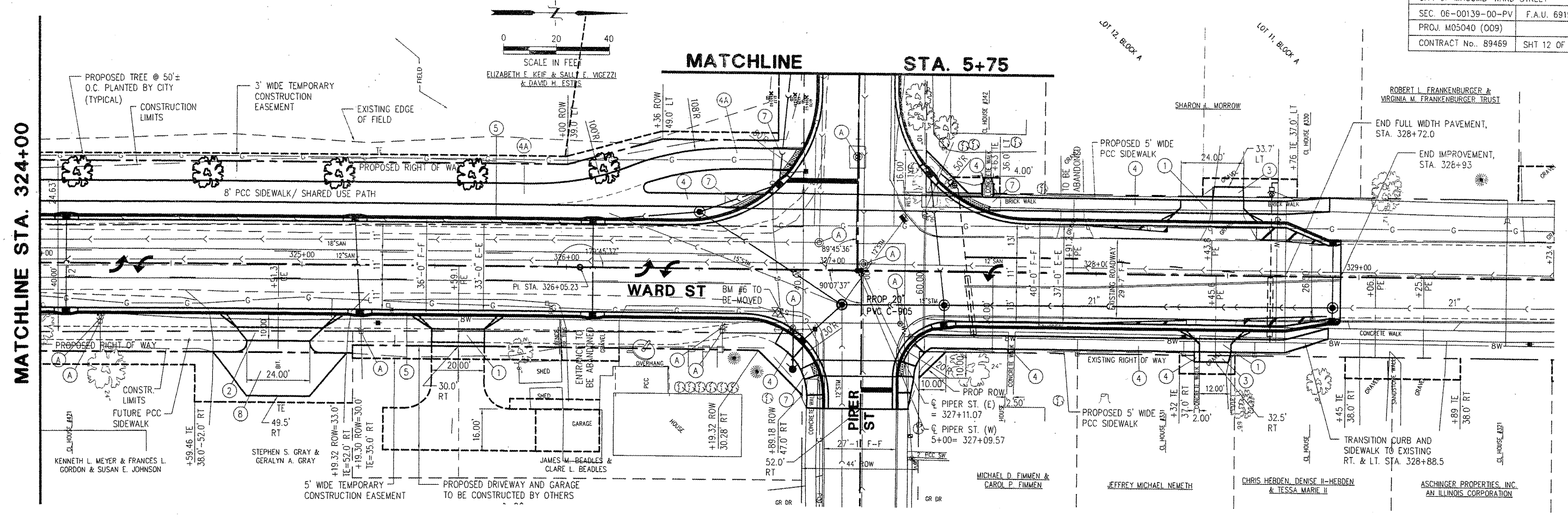


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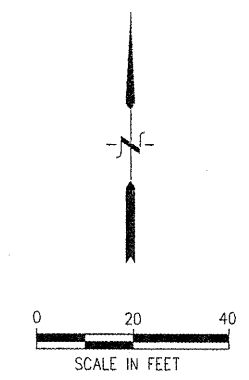
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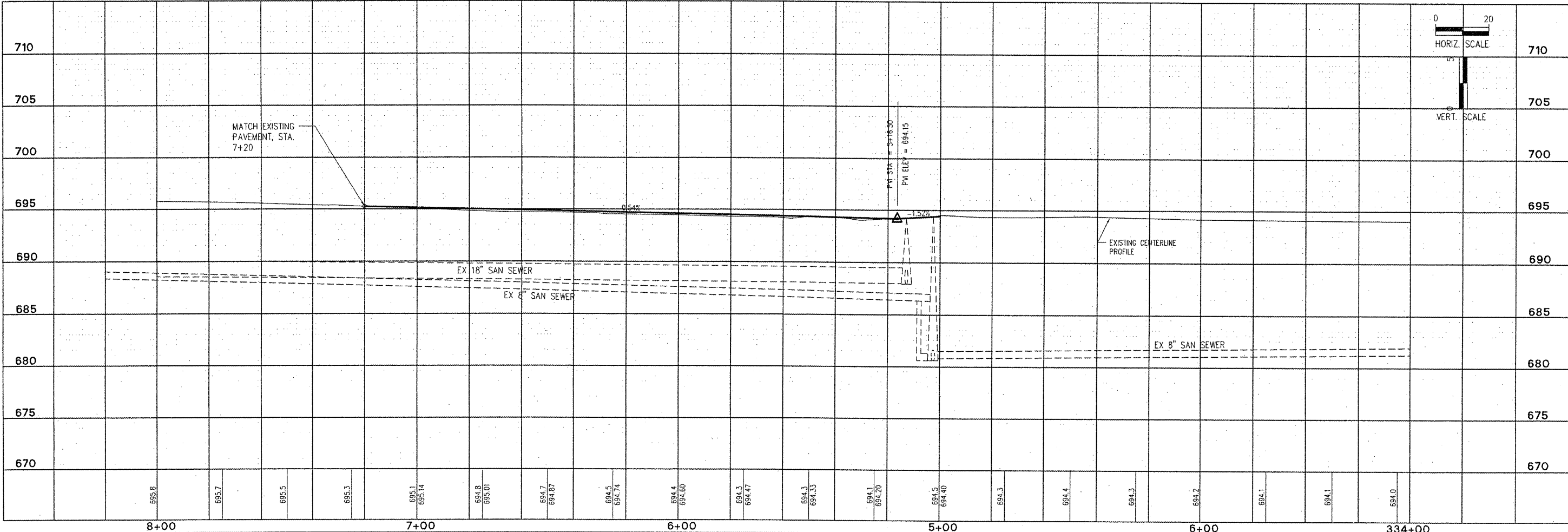
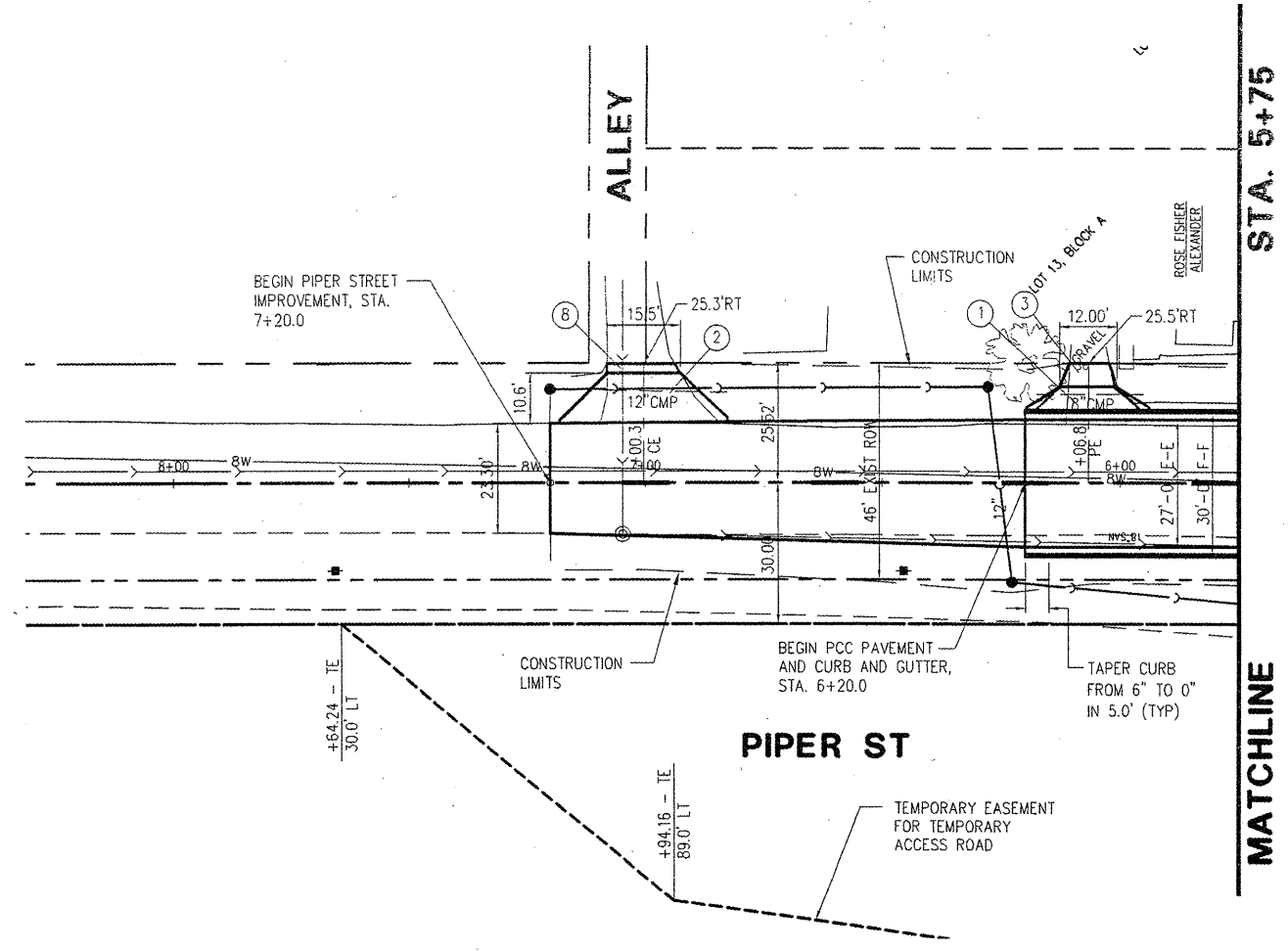
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**PLAN AND PROFILE - STA. 324+00 TO 329+00**  
 CITY OF MACOMB  
 SOUTH WARD, ST.  
 FILE NAME: \\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-28-08099  
 MACOMB, ILLINOIS



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- ITEM LEGEND**
- ① PCC DRIVEWAY PAVEMENT, 6"
  - ② PCC DRIVEWAY PAVEMENT, 7"
  - ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
  - ④ PCC SIDEWALK, 4"
  - ④A PCC SIDEWALK 5"
  - ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
  - ⑥ CONCRETE CURB, TYPE B, 6"
  - ⑦ SIDEWALK RAMP W/ DETECTABLE WARNING
  - ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
  - (A) MANHOLE, VALVE BOX, WATER SERVICE BOX OR METER VAULT TO BE ADJUSTED



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**WARD STREET IMPROVEMENTS**  
**PLAN AND PROFILE - PIPER STREET WEST**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
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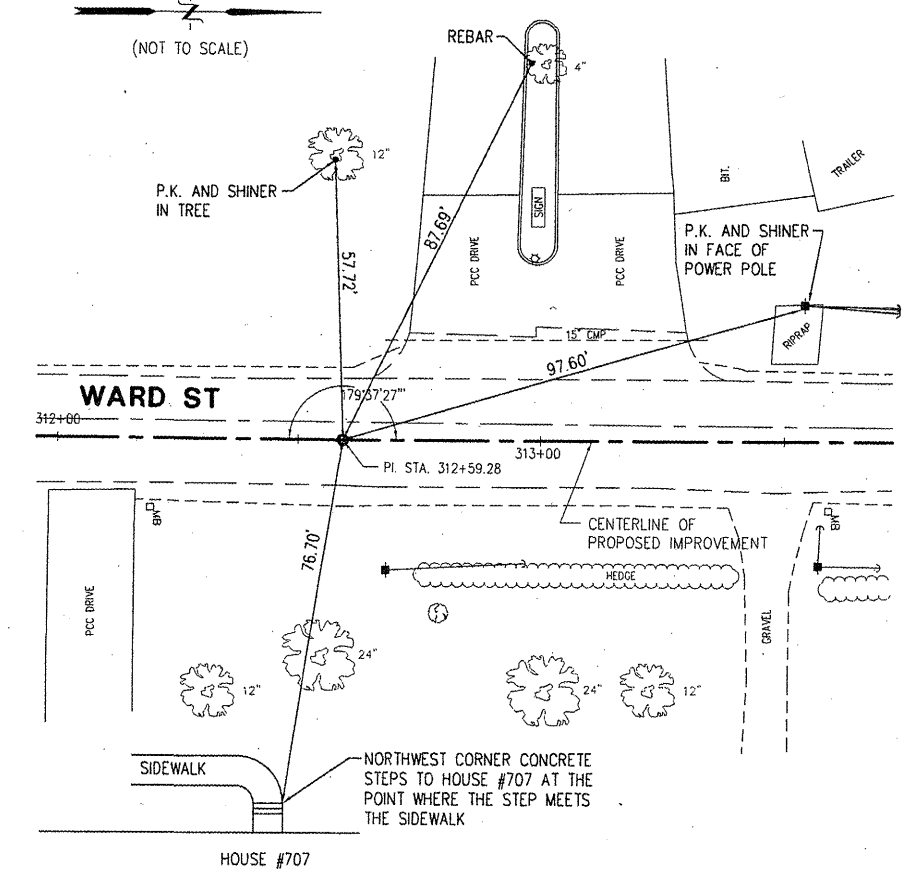
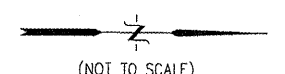
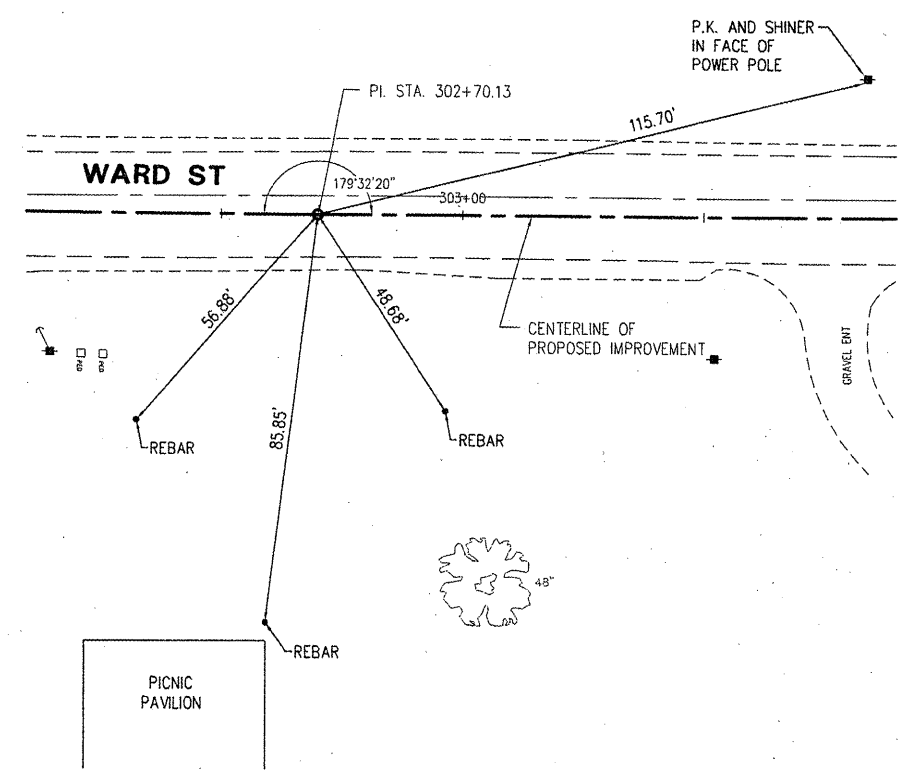
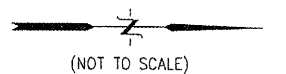
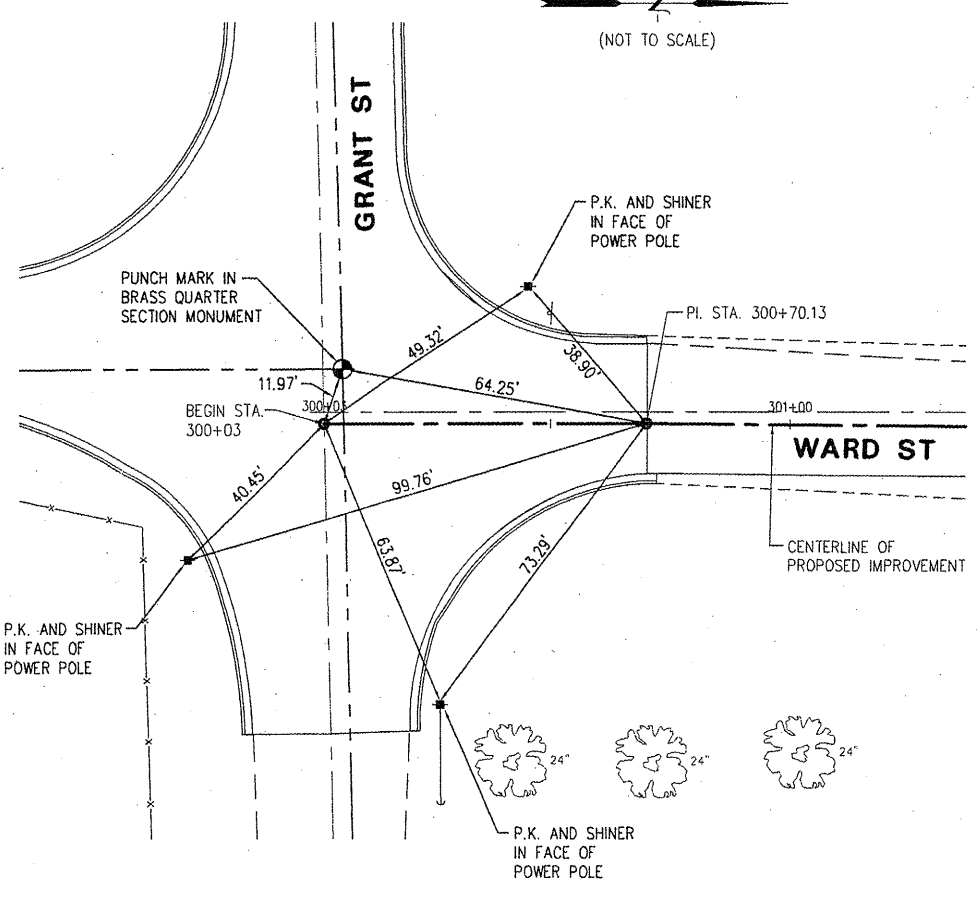
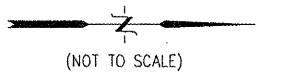
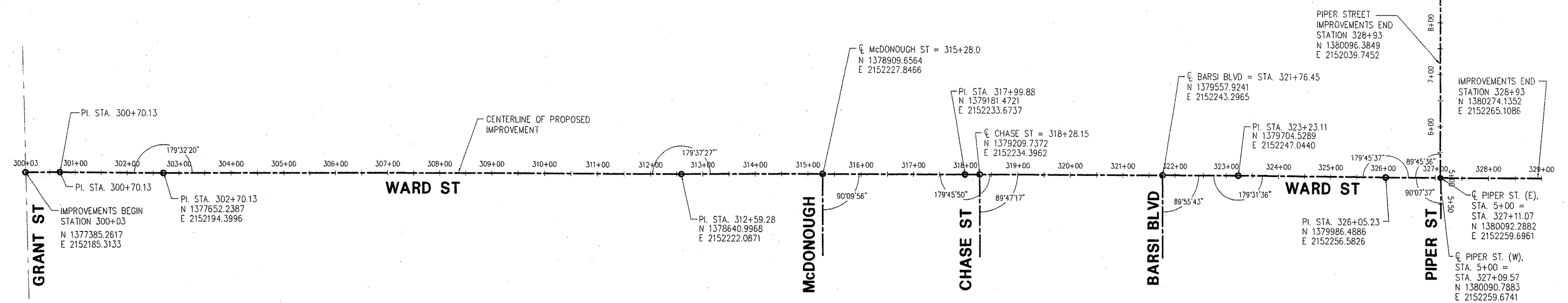
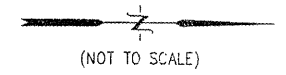
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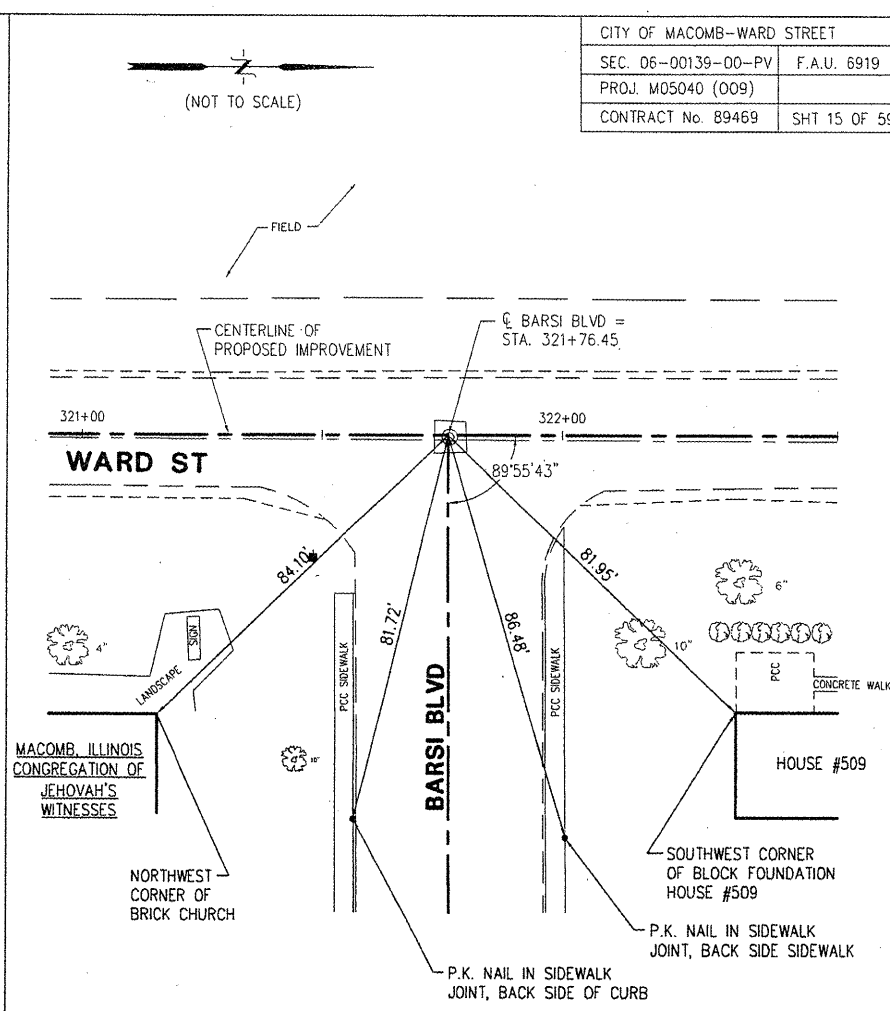
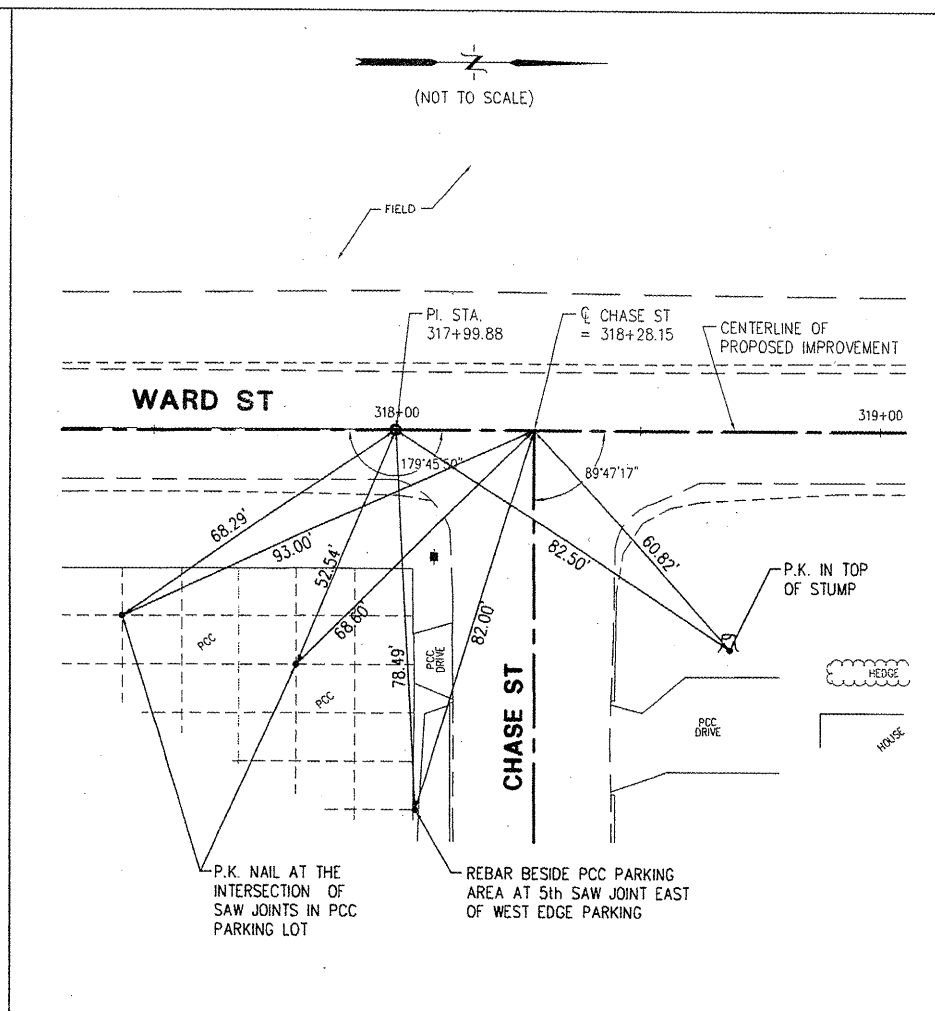
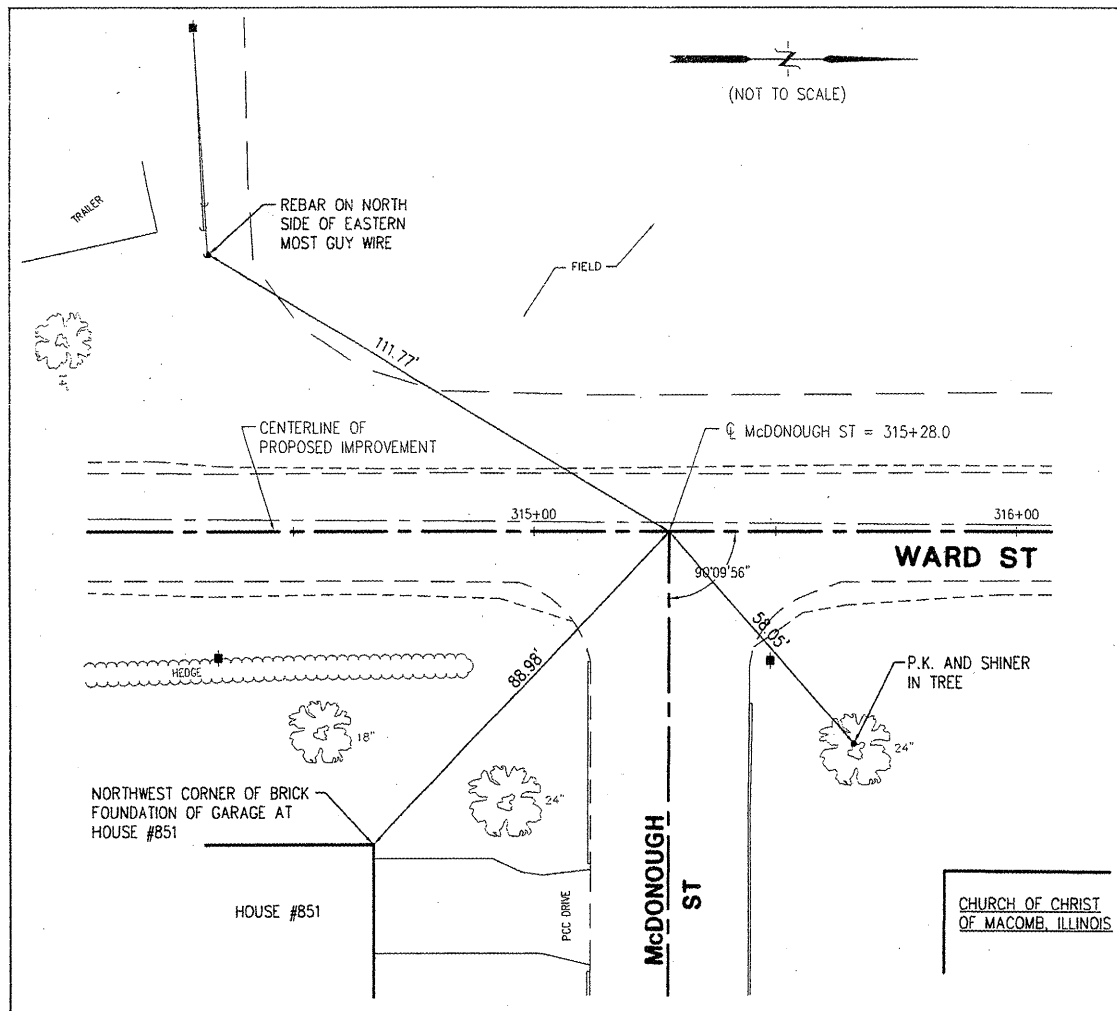
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CHECKED BY:	ECM
DATE:	OCTOBER 2009

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS**  
**HORIZONTAL CONTROL POINTS**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARD-ST-2007-105 FIELD BOOK No. 2256 JOB NUMBER: 03-26-0009P





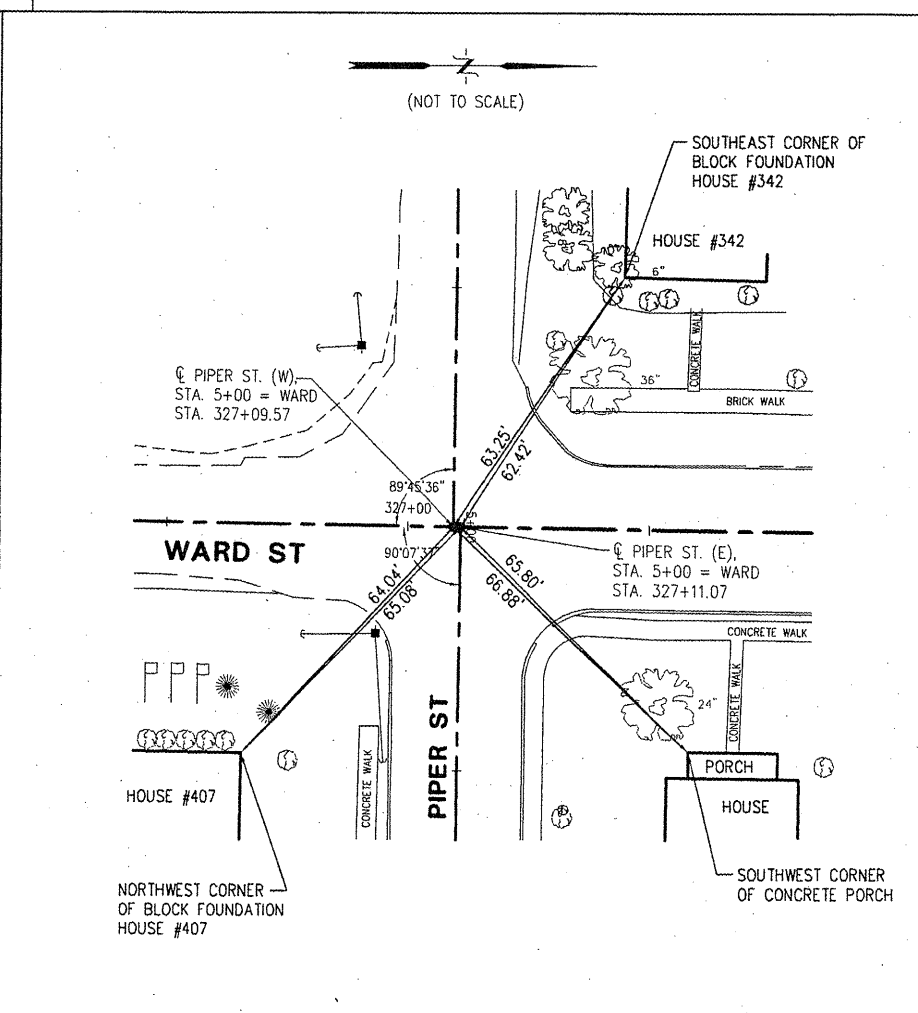
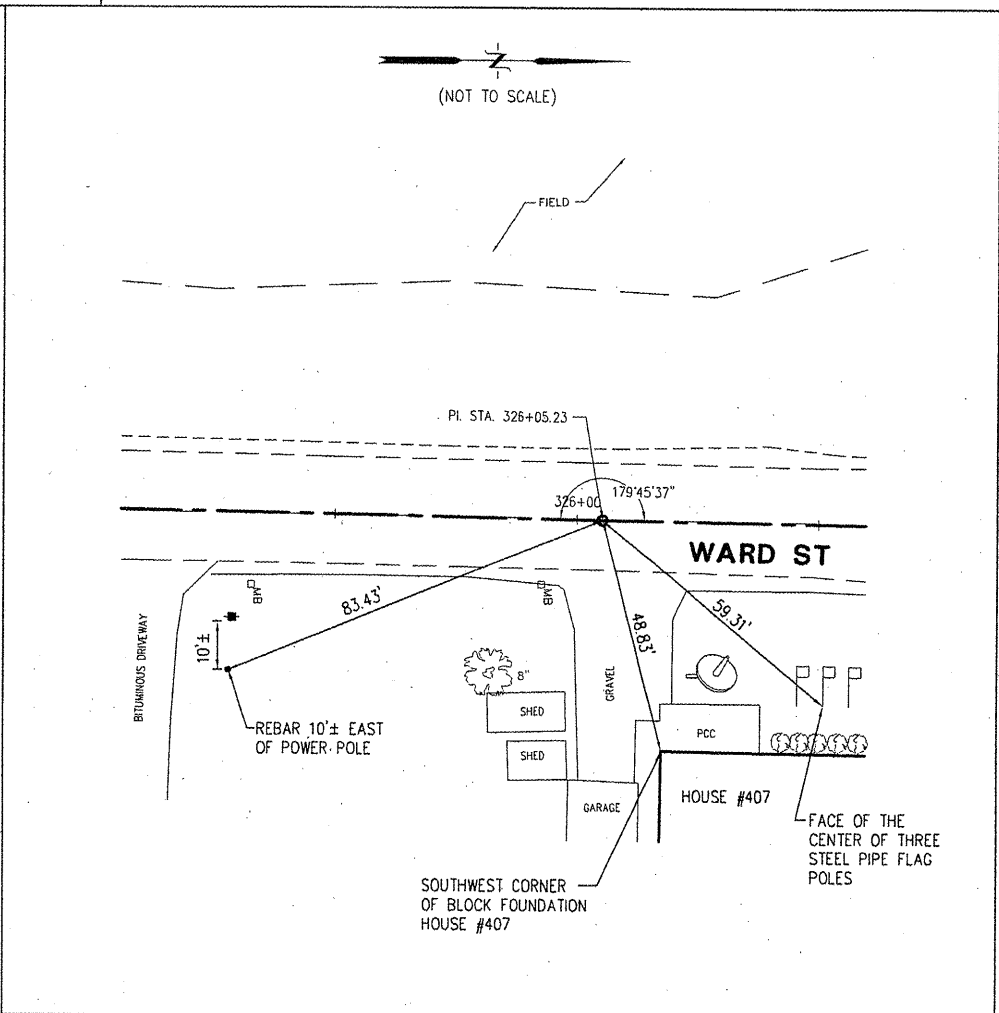
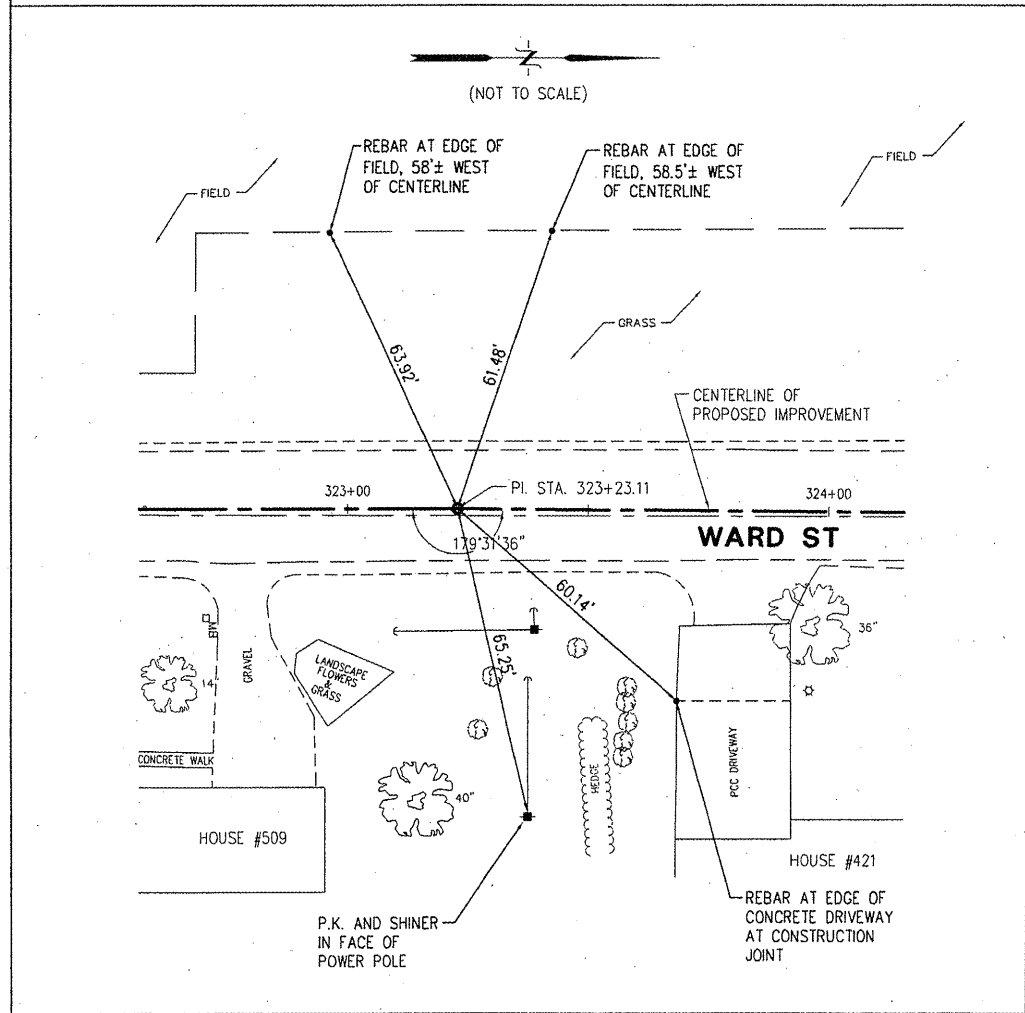
CITY OF MACOMB - WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. B9469 SHT 15 OF 59

SHEET NO.  
**15**  
 of **59**

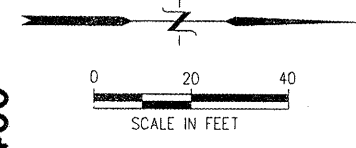
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 Elmhurst, Illinois 60120  
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 DRAWN BY: MFS  
 CHECKED BY: ECM  
 DATE: OCTOBER 2008

NO.	REVISIONS	DATE



**WARD STREET IMPROVEMENTS  
 HORIZONTAL CONTROL POINTS  
 CITY OF MACOMB**  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARD-ST-2007-IES FIELD BOOK No. 2556 JOB NUMBER: 01-28-08098  
 MACOMB, ILLINOIS

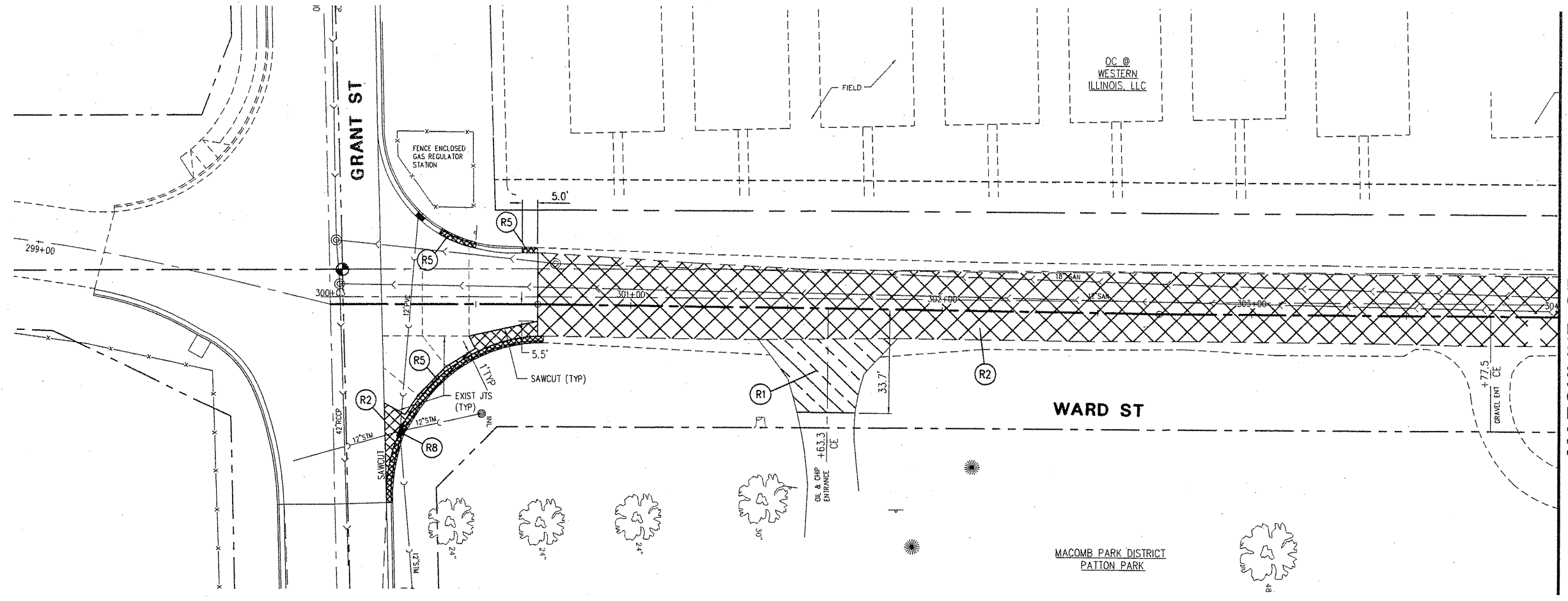


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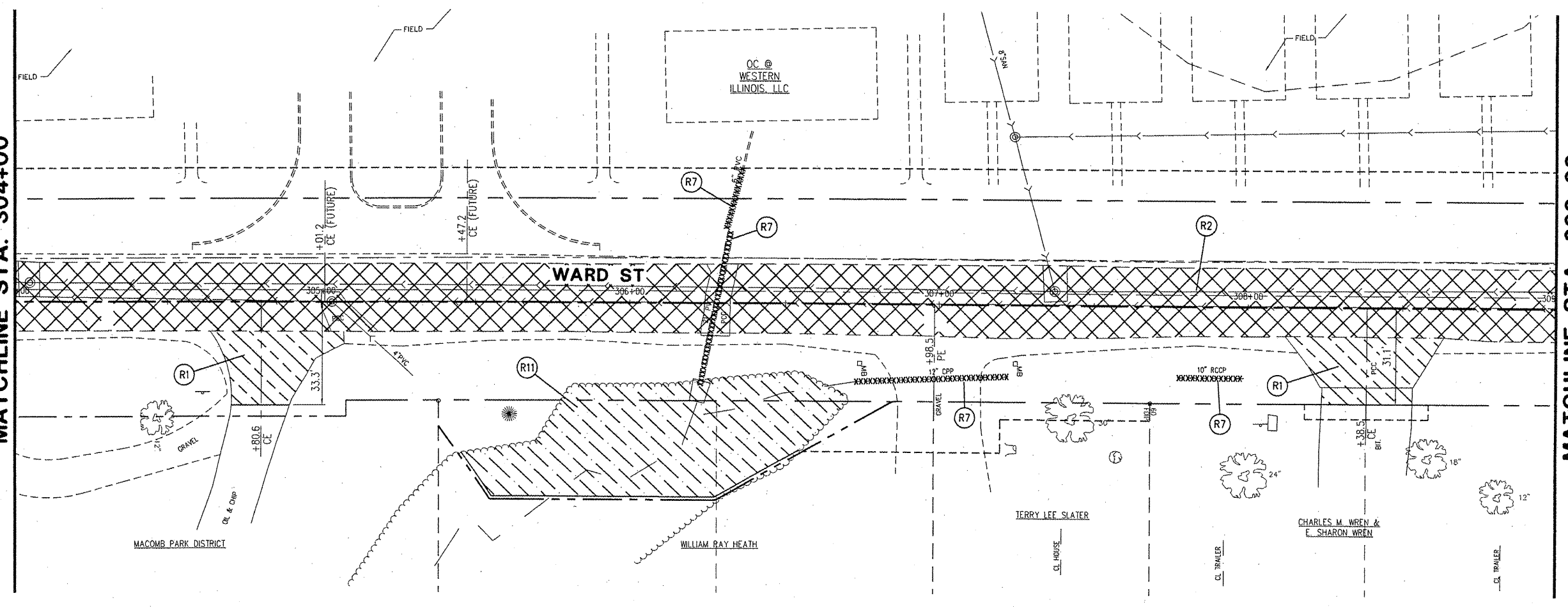
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 DRAWN BY: JAH  
 CHECKED BY: JAR  
 DATE: OCTOBER 2009

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS  
 REMOVAL PLANS - STA. 300+03 TO 309+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\UPR\AWCS\MACOMB\WARDST\WARD-ST-REMOVAL FIELD BOOK No. 2257 JOB NUMBER: 03-28-08959  
 MACOMB, ILLINOIS



MATCHLINE STA. 304+00

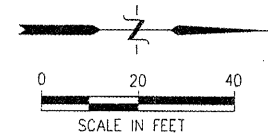


MATCHLINE STA. 309+00

- REMOVAL ITEM LEGEND**
- (R1) DRIVEWAY PAVEMENT REMOVAL
  - (R2) PAVEMENT REMOVAL
  - (R3) BRICK SIDEWALK REMOVAL
  - (R4) CONCRETE SIDEWALK REMOVAL
  - (R5) CURB AND GUTTER REMOVAL
  - (R6) CURB REMOVAL
  - (R7) CULVERT REMOVAL
  - (R8) INLET REMOVAL
  - (R9) MANHOLE REMOVAL
  - (R10) TREE REMOVAL
  - (R11) TREE REMOVAL (ACRES)
  - (R12) STORM SEWER REMOVAL

MATCHLINE STA. 304+00





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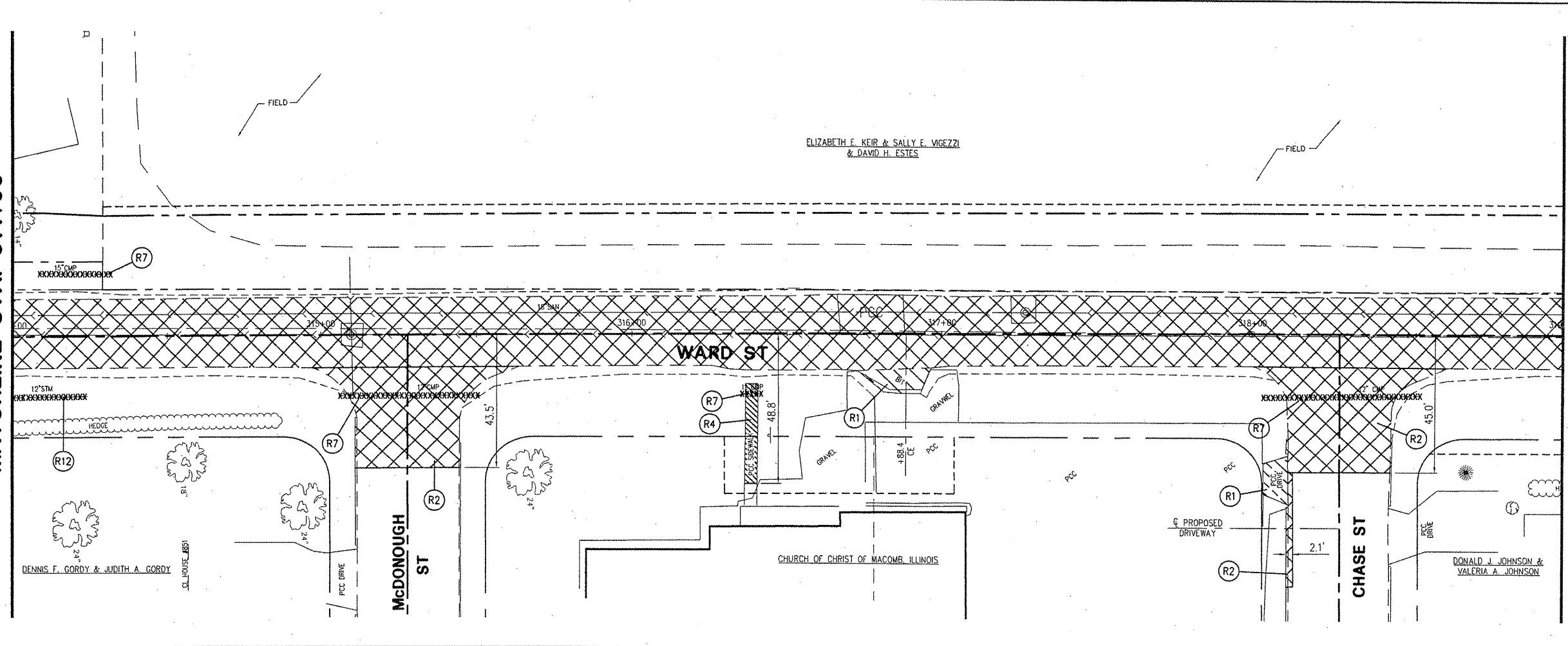
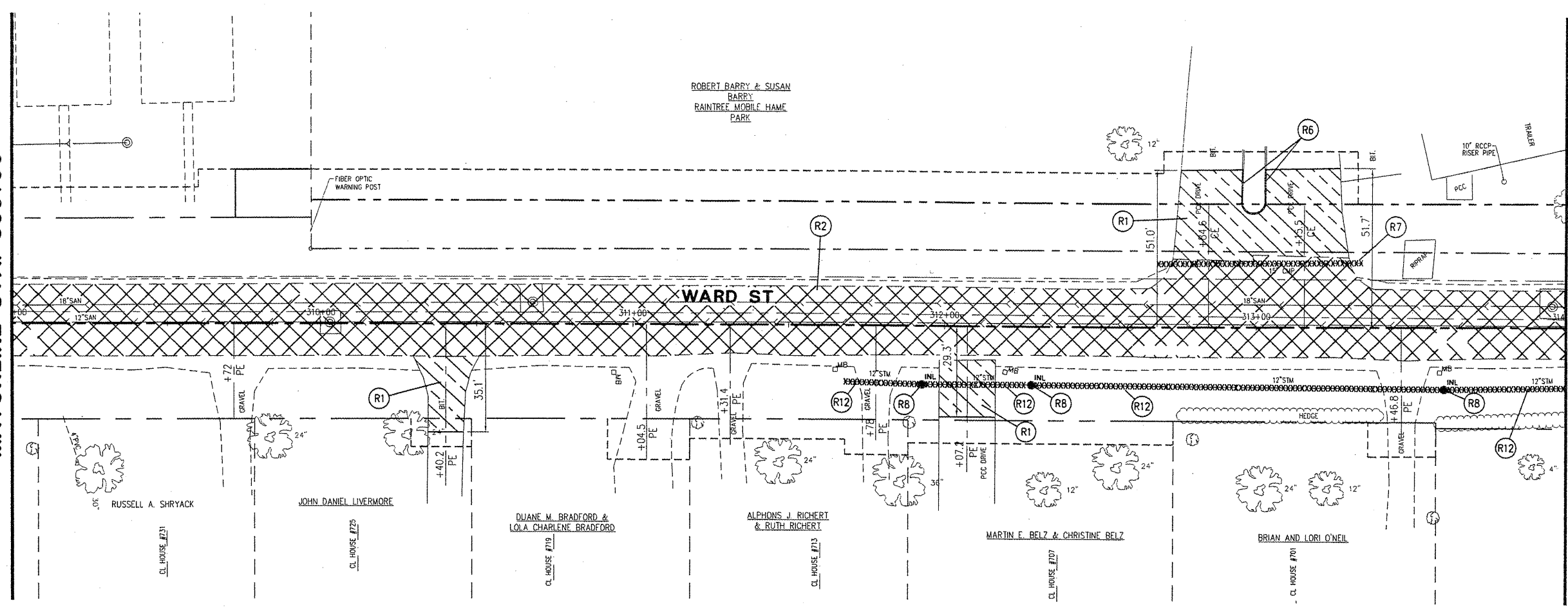
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**REMOVAL PLANS - STA. 309+00 TO 319+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARD-ST-REMOVAL FIELD BOOK No. 2257 JOB NUMBER: 03-08-00098

MATCHLINE STA. 309+00

MATCHLINE STA. 314+00

MATCHLINE STA. 314+00

MATCHLINE STA. 319+00

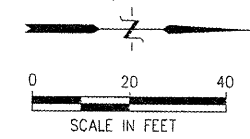


- REMOVAL ITEM LEGEND**
- (R1) DRIVEWAY PAVEMENT REMOVAL
  - (R2) PAVEMENT REMOVAL
  - (R3) BRICK SIDEWALK REMOVAL
  - (R4) CONCRETE SIDEWALK REMOVAL
  - (R5) CURB AND GUTTER REMOVAL
  - (R6) CURB REMOVAL
  - (R7) CULVERT REMOVAL
  - (R8) INLET REMOVAL
  - (R9) MANHOLE REMOVAL
  - (R10) TREE REMOVAL
  - (R11) TREE REMOVAL (ACRES)
  - (R12) STORM SEWER REMOVAL

MATCHLINE STA. 319+00

MATCHLINE STA. 324+40

ELIZABETH F. KEIR & SALLY F. VIGEZZI  
& DAVID H. ESTES



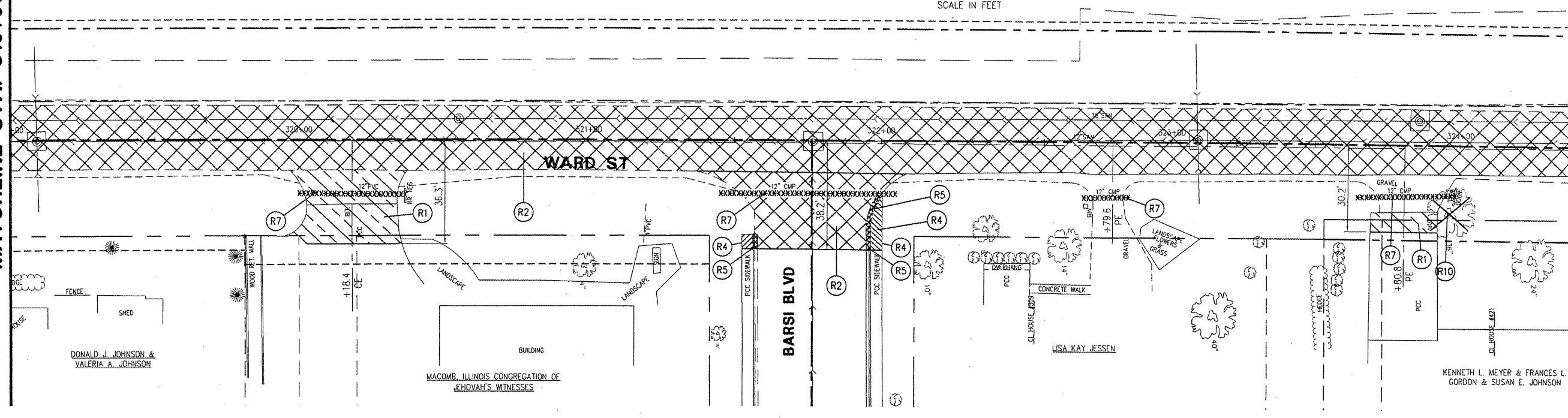
CITY OF MACOMB - WARD STREET  
SEC. 06-00139-00-PV F.A.U. 6919  
PROJ. M05040 (009)  
CONTRACT No. 89469 SHT 18 OF 59

SHEET NO  
**18**  
of **59**

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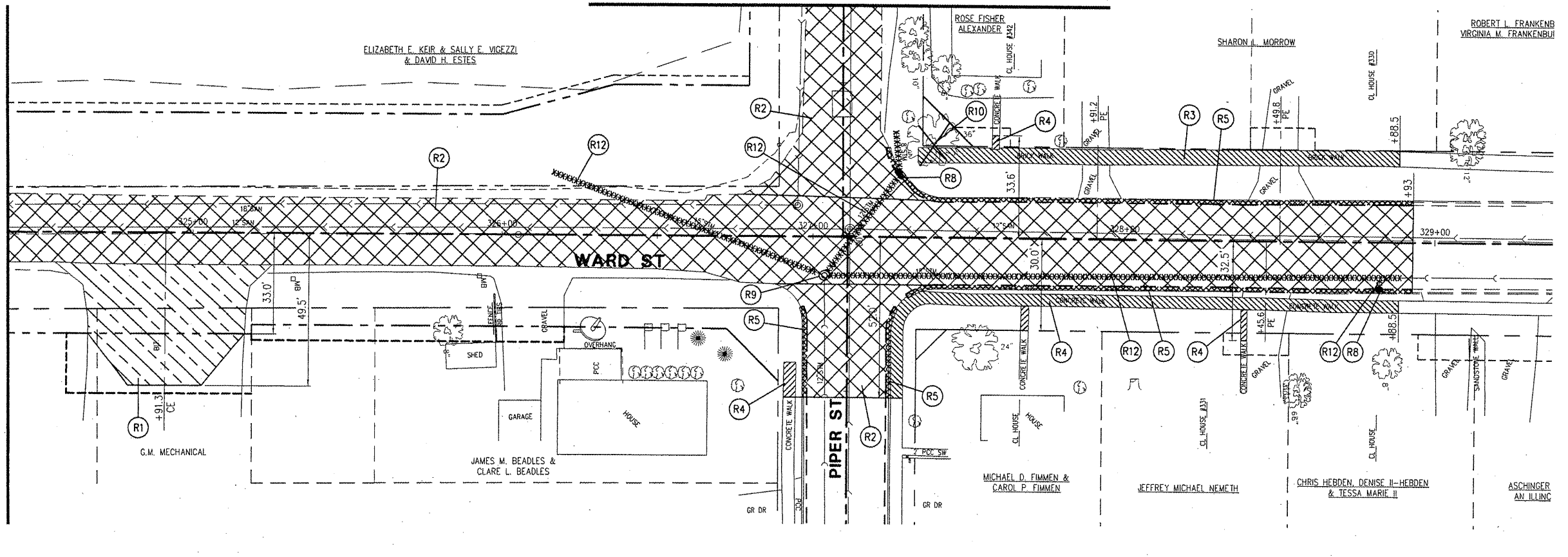
**REMOVAL ITEM LEGEND**

- (R1) DRIVEWAY PAVEMENT REMOVAL
- (R2) PAVEMENT REMOVAL
- (R3) BRICK SIDEWALK REMOVAL
- (R4) CONCRETE SIDEWALK REMOVAL
- (R5) CURB AND GUTTER REMOVAL
- (R6) CURB REMOVAL
- (R7) CULVERT REMOVAL
- (R8) INLET REMOVAL
- (R9) MANHOLE REMOVAL
- (R10) TREE REMOVAL
- (R11) TREE REMOVAL (ACRES)
- (R12) STORM SEWER REMOVAL



**MATCHLINE STA. 5+75**

ELIZABETH F. KEIR & SALLY F. VIGEZZI  
& DAVID H. ESTES

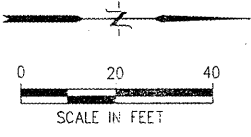


**MATCHLINE STA. 5+75**

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS  
REMOVAL PLANS - STA. 319+00 TO 329+00  
CITY OF MACOMB**

SOUTH WARD ST.  
FILE NAME: #:\DRAWINGS\MACOMB\WARDST\WARD-ST-REMOVAL FIELD BOOK No. 2257 JOB NUMBER: 03-25-08098  
MACOMB, ILLINOIS  
DATE: OCTOBER

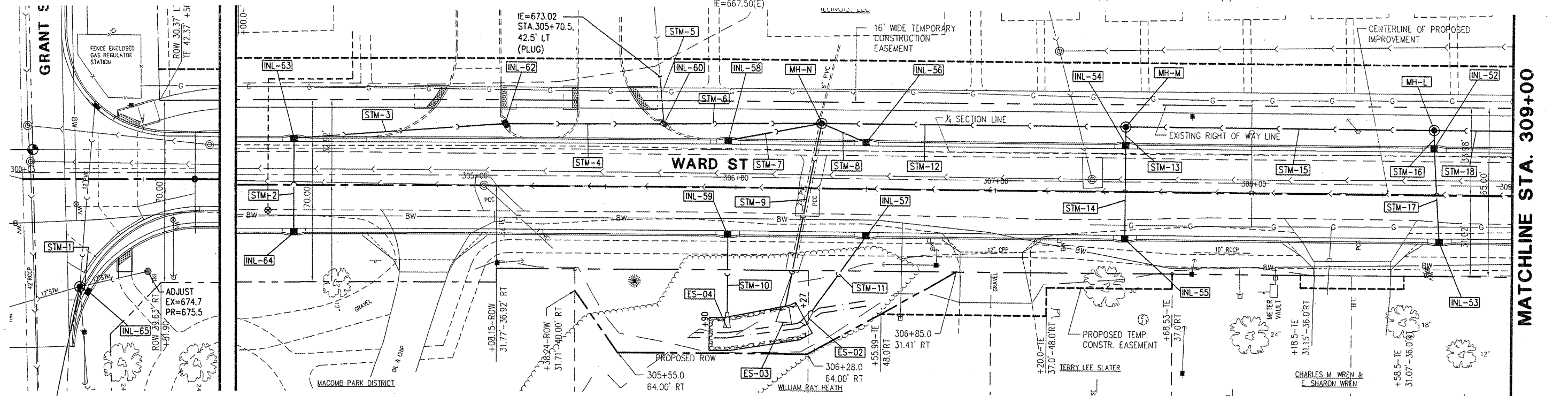


<b>STORM INL-63</b> INLET SPECIAL No. 1 STA. 304+30, 17.75' LT EP=676.39 IE=673.12(E) IE=672.21(N)	<b>STORM INL-62</b> INLET TY B 2", SALV FR&GR STA. 305+11.75, 23.7' LT EP=675.77 IE=671.80(S) IE=671.70(N)	<b>STORM INL-60</b> INLET TY B, 3", TY 3 FR&GR STA. 305+72.2, 24.2' LT EP=675.53 IE=671.39(S) IE=671.14(N) IE=672.86(W)	<b>STORM INL-58</b> INLET SPECIAL No. 2 STA. 305+97, 17.75' LT EP=675.56 IE=672.54(N)	<b>STORM MH-N</b> MH TY A, 7", TY 1 FR&OL STA. 306+33, 25' LT RIM=676.06 IE=672.39(NE,SE) IE=669.90(S) IE=667.60(N) IE=667.50(E)	<b>STORM INL-56</b> INLET SPECIAL No. 1 STA. 306+50, 17.75' LT EP=675.65 IE=672.63(S)	<b>STORM INL-54</b> INLET SPECIAL No. 1 STA. 307+50, 17.75' LT EP=676.25 IE=673.59(E) IE=672.00(W)	<b>STORM MH-M</b> MH TY A, 5", TY 1 FR&OL STA. 307+50, 25' LT RIM=676.77 IE=671.97(E) IE=670.98(N) IE=668.51(S)	<b>STORM MH-L</b> MH TY A, 5", TY 1 FR&OL STA. 308+70, 25' LT RIM=676.20 IE=673.61(E) IE=672.25(N) IE=672.00(S)	<b>STORM INL-52</b> INLET SPECIAL No. 1 STA. 308+70, 17.75' LT EP=677.54 IE=674.65(E) IE=673.64(W)
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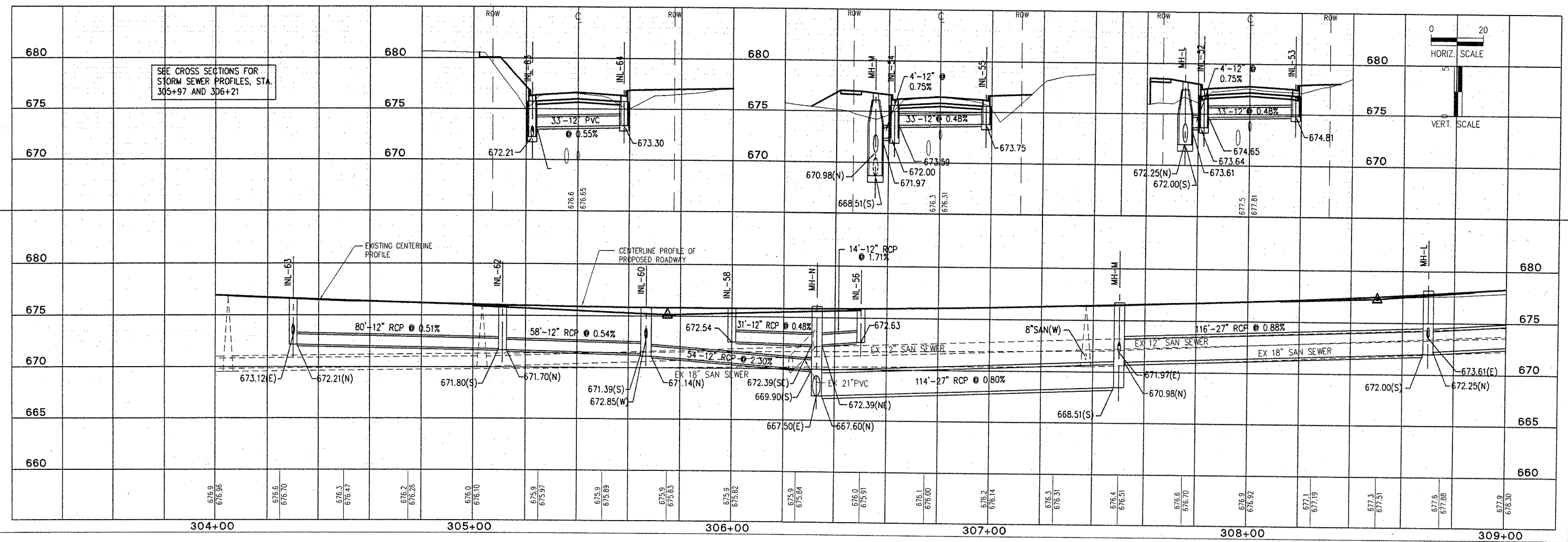
CITY OF MACOMB-WARD STREET	
SEC. 06-00139-00-PV	F.A.U. 6919
PROJ. M05040 (009)	
CONTRACT No. 89469	SHT 19 OF 59

SHEET NO.  
**19**  
of **59**

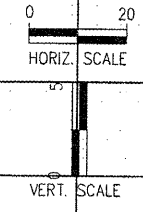
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<b>MANHOLE ADJUST WITH NEW TY 1 FR&amp;OL</b>	<b>STORM INL-65</b> INLET TY A 2" TY 3V FR&GR STA. 300+28.8, 43.1' RT EP=675.96 IE=672.40(SW)	<b>STORM INL-64</b> INLET SPECIAL No. 1 STA. 304+30, 17.75' RT EP=676.39 IE=673.30(W)	<b>STORM INL-59</b> INLET SPECIAL No. 2 STA. 305+97, 17.75' RT EP=675.56 IE=671.54(NE)	<b>STORM ES-04</b> PRC CONC FLAR END SEC, 12" STA. 305+97, 54' RT IE=667.70	<b>STORM ES-03</b> PRC CONC FLAR END SEC, ELLIP EQRS 30" STA. 306+19, 52' RT IE=667.13	<b>STORM ES-02</b> PRC CONC FLAR END SEC, 12" STA. 306+26, 52' RT IE=669.50	<b>STORM INL-57</b> INLET SPECIAL No. 1 STA. 306+50, 17.75' RT EP=675.65 IE=671.93(SE)	<b>STORM INL-55</b> INLET SPECIAL No. 1 STA. 307+50, 17.75' RT EP=676.25 IE=673.75(W)	<b>STORM INL-53</b> INLET SPECIAL No. 1 STA. 308+72, 17.75' RT EP=677.57 IE=674.81(W)
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SEE CROSS SECTIONS FOR STORM SEWER PROFILES, STA. 305+97 AND 306+21



PLOTTING SCALE: 1" = 20'

DRAWN BY:	TAB
CHECKED BY:	ECM
DATE:	OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**STORM SEWER PLAN AND PROFILE - STA. 304+00 TO 309+00**  
CITY OF MACOMB  
SOUTH WARD ST.  
FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-26-08058  
MACOMB, ILLINOIS  
03-26-08058

MATCHLINE STA. 309+00

MATCHLINE STA. 314+00

**STORM ES-01**  
 PRC CONC FLAR END SEC, 15"  
 STA. 309+83, 49.5' LT  
 IE=676.50

**STORM MH-K**  
 MH TY A, 5'e, TY 1 FR&OL  
 STA. 309+83, 25' LT  
 RIM=680.15  
 IE=675.71(W)  
 IE=675.62(NE)  
 IE=674.34(N)  
 IE=673.94(S)

**STORM INL-50**  
 INLET SPECIAL No. 1  
 STA. 309+90, 17.75' LT  
 EP=679.80  
 IE=675.77(E)  
 IE=675.67(SW)

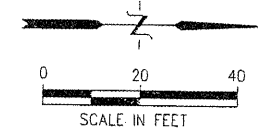
**STORM INL-48**  
 MANHOLE SPECIAL TYPE 1  
 STA. 312+30, 18.5' LT  
 RIM=684.19  
 IE=680.31(E)  
 IE=677.91(N)  
 IE=677.06(S)

**STORM INL-45**  
 INLET TY A 2' TY 3 FR&GR  
 STA. 313+27.1, 44.0' LT  
 EP=684.45  
 IE=681.15(E)

CITY OF MACOMB-WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 20 OF 59

SHEET NO.  
**20**  
 of **59**

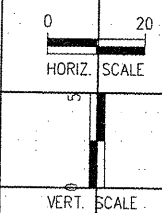
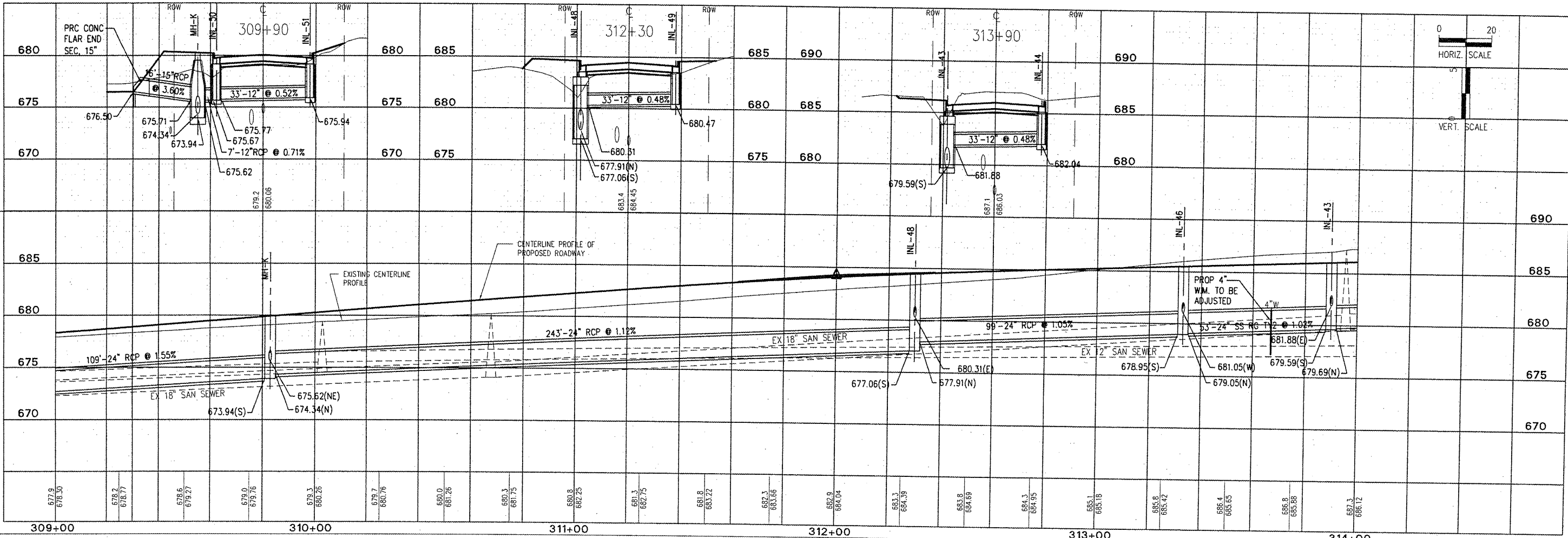
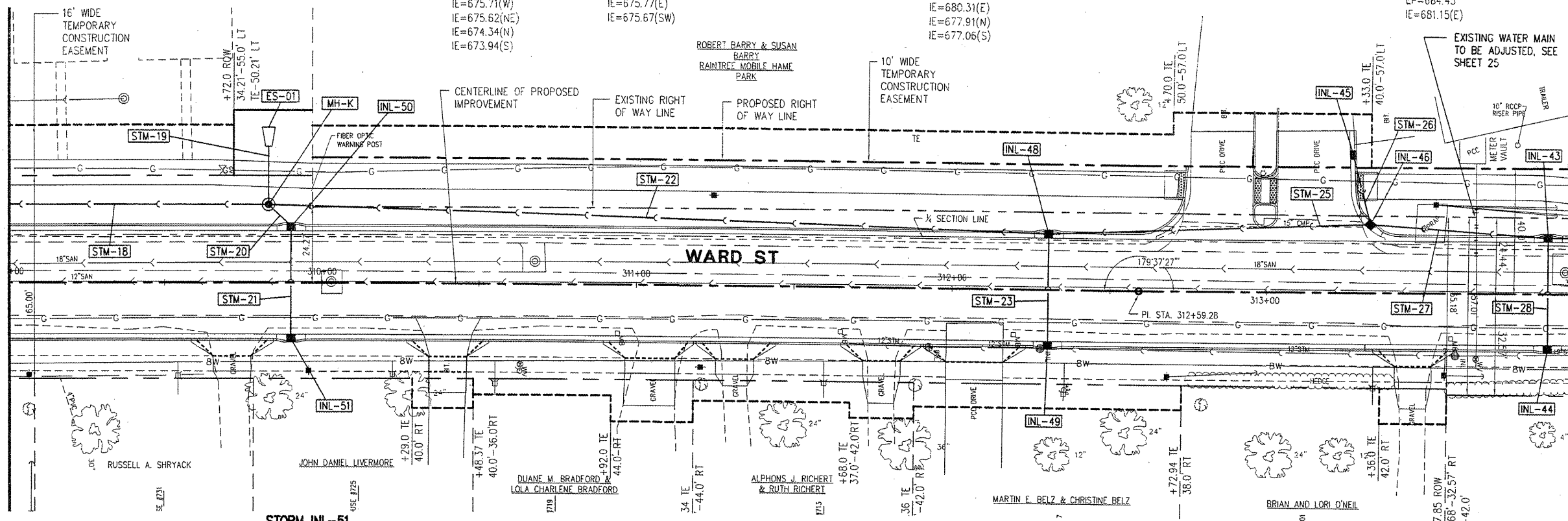
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**STORM INL-46**  
 MH TY A, 5'e, FR&GR No. 1  
 STA. 313+33.3, 22.35' LT  
 EP=685.11  
 IE=678.95(S)  
 IE=679.05(N)  
 IE=681.05(W)

**STORM INL-43**  
 MANHOLE SPECIAL TYPE 1  
 STA. 313+90, 18.5' LT  
 EP=685.77  
 IE=681.88(E)  
 IE=679.59(S)  
 IE=679.69(N)

**STORM INL-44**  
 INLET SPECIAL No. 1  
 STA. 313+90, 17.75' RT  
 EP=685.77  
 IE=682.04(W)



NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**STORM SEWER PLAN AND PROFILE - STA. 309+00 TO 314+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007  
 FIELD BOOK No. 2257 JOB NUMBER: 03-28-08098  
 MACOMB, ILLINOIS

DRAWN BY: TAB  
 CHECKED BY: ECM  
 DATE: OCTOBER 2008

MATCHLINE STA. 314+00

MATCHLINE STA. 319+00

**STORM INL-41**  
 MANHOLE SPECIAL TYPE 1  
 STA. 315+56.5, 18.5' LT  
 EP=687.33  
 IE=683.43(E)  
 IE=681.37(N)  
 IE=681.27(S)

**STORM INL-39**  
 MANHOLE SPECIAL TYPE 2  
 STA. 317+65, 18.5' LT  
 EP=687.70  
 IE=684.44(E)  
 IE=683.05(N)  
 IE=682.95(S)

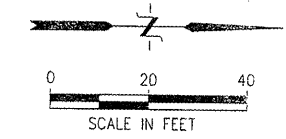
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 INLET SPECIAL No. 1  
 STA. 315+56.5, 21.4' RT  
 EP=687.18  
 IE=683.61(W)

**STORM INL-40**  
 INLET SPECIAL No. 2  
 STA. 317+65, 17.75' RT  
 EP=687.70  
 IE=684.60(W)

CITY OF MACOMB-WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 21 OF 59

SHEET NO.  
**21**  
 of **59**

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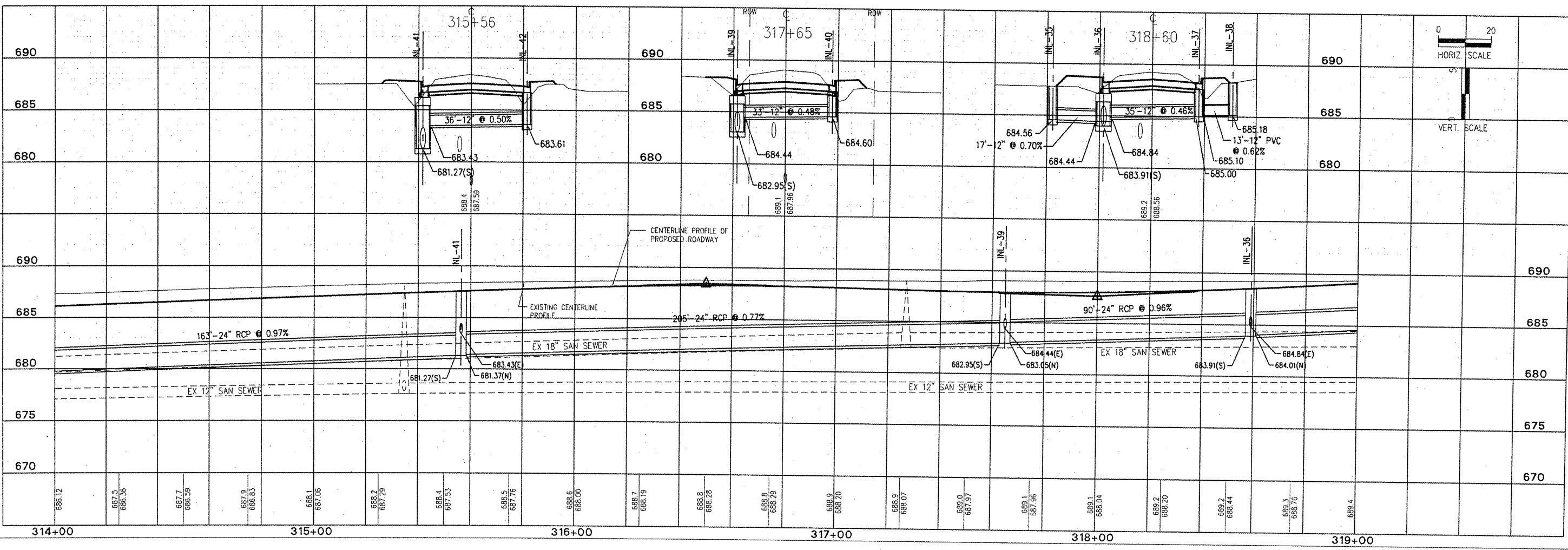
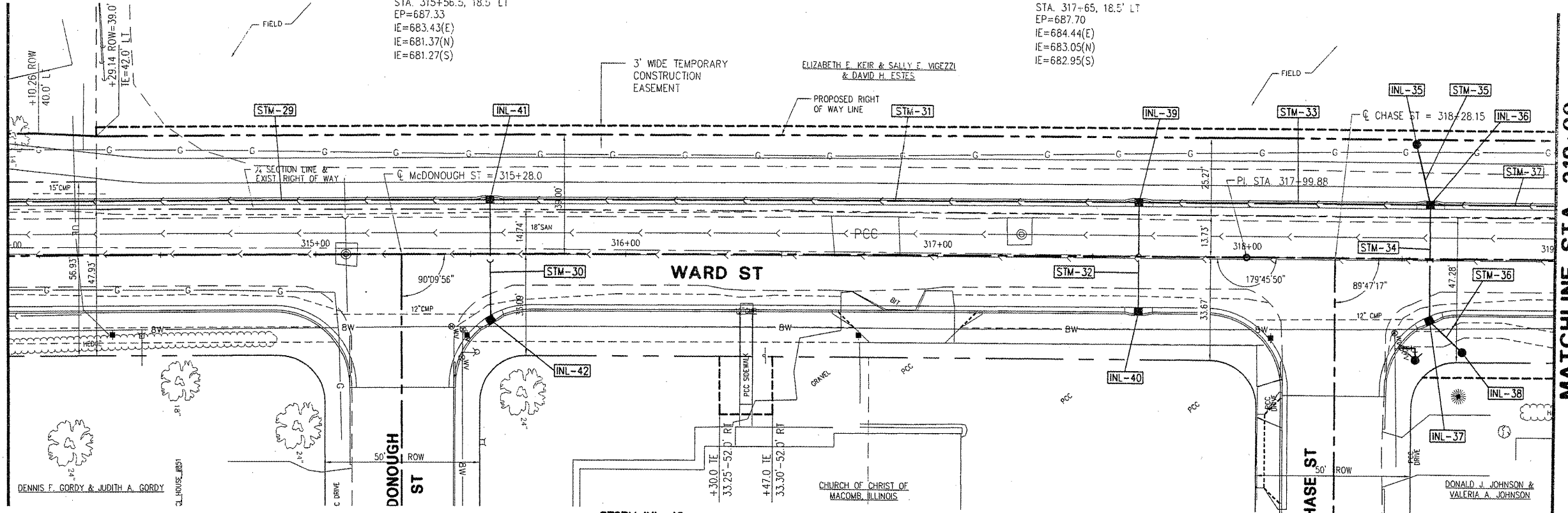


**STORM INL-35**  
 INLET TY A, 2'Ø, TY 8 GR  
 STA. 318+54.5, 37.5' LT  
 RIM=687.40  
 IE=684.56(E)

**STORM INL-36**  
 MANHOLE SPECIAL TYPE 1  
 STA. 318+59.2, 18.5' LT  
 RIM=688.29  
 IE=684.44(W)  
 IE=684.84(E)  
 IE=684.01(N)  
 IE=683.91(S)

**STORM INL-37**  
 INLET SPECIAL No. 1  
 STA. 318+59.3, 20.21' RT  
 EP=688.24  
 IE=685.10(NE)  
 IE=685.00(W)

**STORM INL-38**  
 INLET TY A 2'Ø, TY 8 GR  
 STA. 318+70, 30.35' RT  
 RIM=687.97  
 IE=685.18(SW)



PLOTTING SCALE: 1" = 20'  
 DRAWN BY: TAB  
 CHECKED BY: ECM  
 DATE: OCTOBER 2008

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS**  
**STORM SEWER PLAN AND PROFILE - STA. 314+00 TO 319+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRA\WGS\MACOMB\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-29-09098  
 MACOMB, ILLINOIS

MATCHLINE STA. 319+00

MATCHLINE STA. 324+00

**STORM INL-33**  
 MANHOLE SPECIAL TYPE 1  
 STA. 319+70, 18.5' LT  
 EP=689.90  
 IE=686.10(E)  
 IE=685.68(N)  
 IE=685.58(S)

**STORM INL-31**  
 MANHOLE SPECIAL TYPE 1  
 STA. 320+90, 18.5' LT  
 EP=691.04  
 IE=687.15(E)  
 IE=686.77(N)  
 IE=686.67(S)

**STORM INL-28**  
 MANHOLE SPECIAL TYPE 1  
 STA. 322+07, 18.5' LT  
 EP=691.62  
 IE=687.69(E)  
 IE=687.43(N)  
 IE=687.33(S)

**STORM INL-26**  
 MANHOLE SPECIAL TYPE 1  
 STA. 323+00, 18.5' LT  
 EP=692.09  
 IE=688.21(E)  
 IE=687.90(N)  
 IE=687.80(S)

**STORM INL-34**  
 INLET SPECIAL No. 1  
 STA. 319+70, 17.75' RT  
 EP=689.90  
 IE=686.26(W)

**STORM INL-32**  
 INLET SPECIAL No. 1  
 STA. 320+90, 17.75' RT  
 EP=691.04  
 IE=687.31(W)

**STORM INL-30**  
 INLET TY A, 2' Ø, TY B GR  
 STA. 322+21, 30.23' RT  
 RIM=691.60  
 IE=688.09(SW)

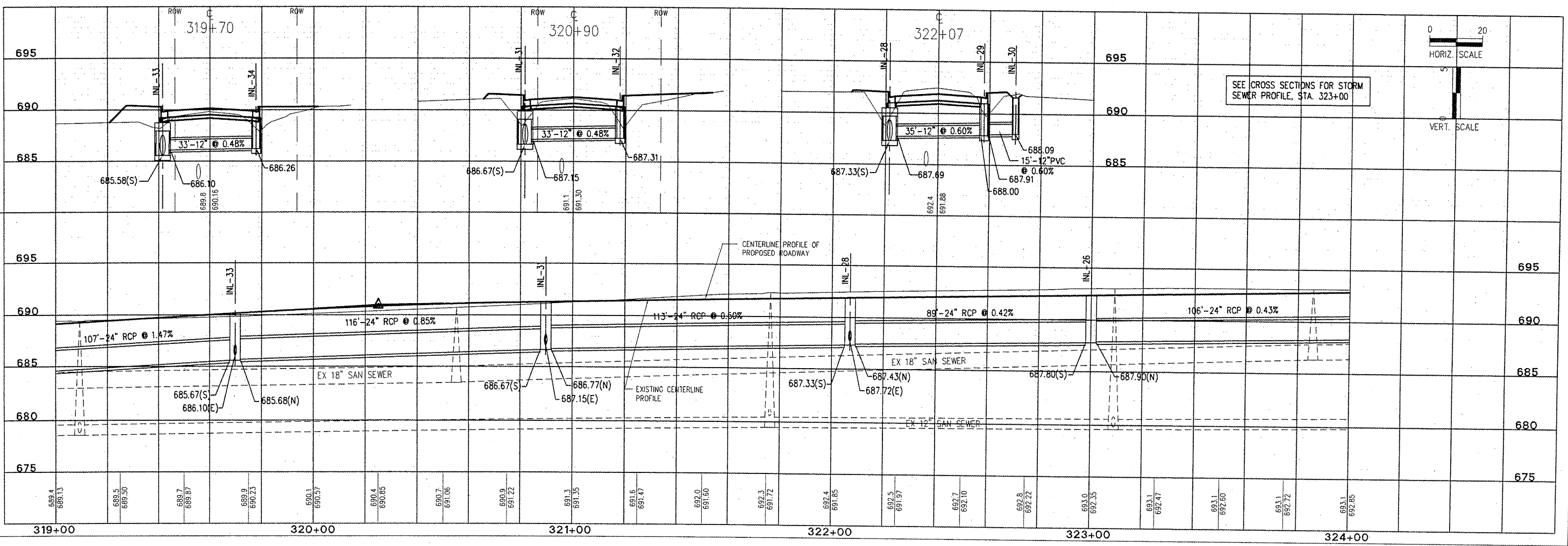
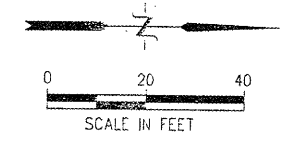
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 INLET SPECIAL No. 1  
 STA. 322+07.25, 19.87' RT  
 EP=691.57  
 IE=688.00(NE)  
 IE=687.90(W)

**STORM INL-27**  
 INLET SPECIAL No. 1  
 STA. 323+00, 17.75' RT  
 EP=692.09  
 IE=688.37(W)

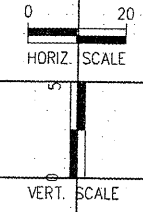
CITY OF MACOMB-WARD STREET	
SEC. 06-00139-00-PV	F.A.U. 6919
PROJ. M05040 (009)	
CONTRACT No. 89469	SHT 22 OF 59

SHEET NO.  
**22**  
of **59**

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SEE CROSS SECTIONS FOR STORM SEWER PROFILE, STA. 323+00



Plotting Scale: 1" = 20'

Drawn By:	TAB
Checked By:	JAR
Date:	OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**STORM SEWER PLAN AND PROFILE - STA. 319+00 TO 324+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007  
 FIELD BOOK No. 2257 JOB NUMBER: 03-28-09068  
 MACOMB, ILLINOIS

MATCHLINE STA. 324+00

**STORM INL-24**  
MANHOLE SPECIAL TYPE 1  
STA. 324+10, 18.5' LT  
EP=692.64  
IE=688.76(E)  
IE=688.46(N)  
IE=688.36(S)

**STORM INL-22**  
MANHOLE SPECIAL TYPE 1  
STA. 325+20, 18.5' LT  
EP=693.19  
IE=689.30(E)  
IE=689.02(N)  
IE=688.92(S)

**STORM INL-20**  
MANHOLE SPECIAL TYPE 1  
STA. 326+10, 18.5' LT  
EP=693.64  
IE=689.75(E)  
IE=689.70(N)  
IE=689.47(S)

**STORM MH-J**  
MH TY A, 7' Ø, TY 1 FR&L  
STA. 326+50, 21.5' LT  
RIM=694.27  
IE=690.09(NE)  
IE=689.67(NW)  
IE=689.77(S)

**STORM INL-19**  
INLET SPECIAL No. 1  
STA. 326+79.7, 32.5' LT  
EP=693.97  
IE=690.25(W)  
IE=690.24(SE)

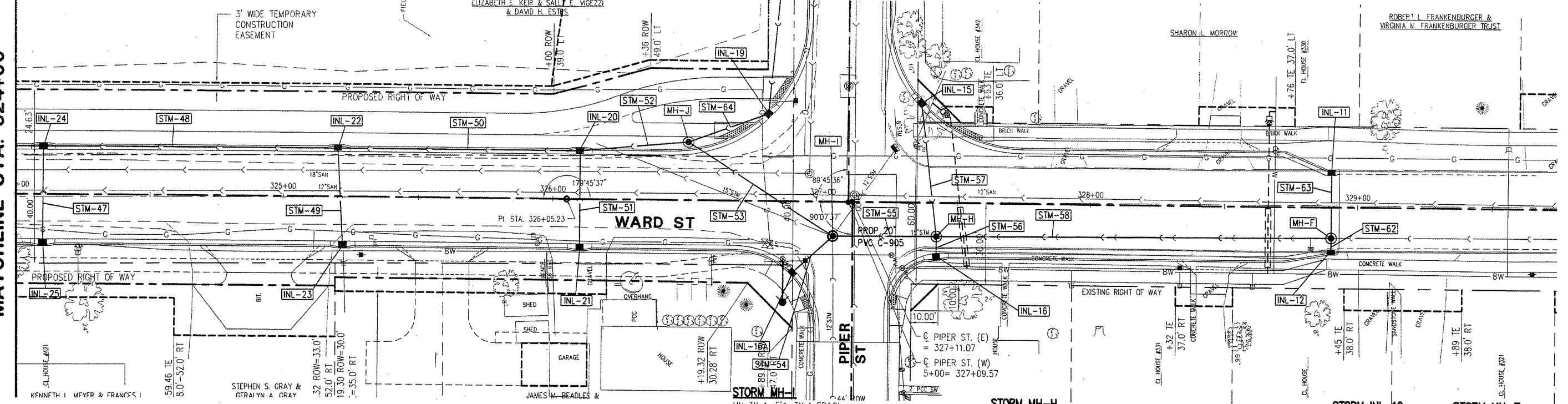
SEE SHEET 24 FOR WEST PIPER

**STORM INL-15**  
INLET SPECIAL No. 2  
STA. 327+36.4, 37.1' LT  
EP=693.88  
IE=690.73(E)

**STORM INL-11**  
INL TY A, 2' Ø, TY 3 FR&GR  
STA. 328+90, 12.8' LT  
EP=694.80  
IE=691.29(E)

CITY OF MACOMB-WARD STREET  
SEC. 06-00139-00-PV F.A.U. 6919  
PROJ. M05040 (009)  
CONTRACT No. 89469 SHT 23 OF 59

SHEET NO.  
**23**  
of  
**59**



**STORM INL-25**  
INLET SPECIAL No. 1  
STA. 324+10, 17.75' RT  
EP=692.64  
IE=688.92(W)

**STORM INL-23**  
INLET SPECIAL No. 1  
STA. 325+22, 17.75' RT  
EP=693.20  
IE=689.46(W)

**STORM INL-21**  
INLET SPECIAL No. 1  
STA. 326+10, 17.75' RT  
EP=693.64  
IE=689.91(W)

**STORM INL-16A**  
INL TY A, 2' Ø, TY 3 FR&GR  
STA. 326+89.13, 36.27' RT  
EP=693.88  
IE=690.88(W)

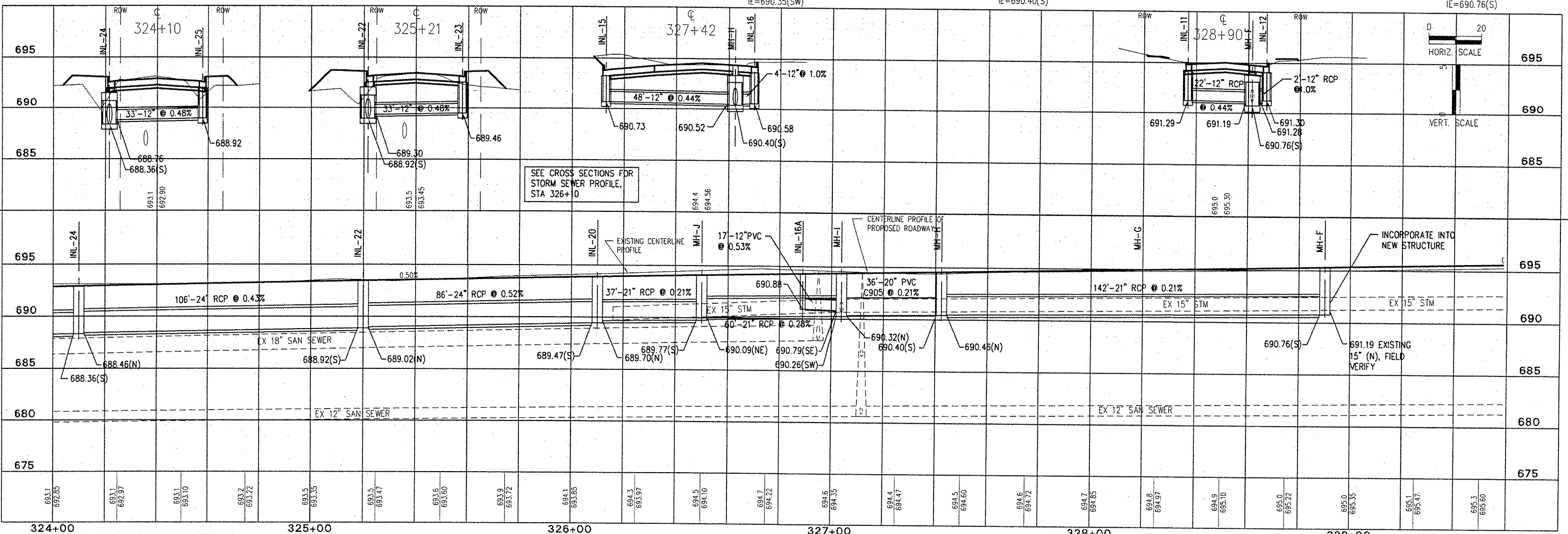
**STORM MH-I**  
MH TY A, 5' Ø, TY 1 FR&L  
STA. 327+04, 12.6' RT  
RIM=694.17  
IE=690.79(SE)  
IE=690.70(E)EXIST 12"  
(FIELD VERIFY)  
IE=690.36(N)  
IE=690.35(SW)

**STORM INL-16**  
INLET SPECIAL No. 1  
STA. 327+42.4, 19.9' RT  
EP=694.29  
IE=690.58(W)

**STORM MH-H**  
MH TY A, 5' Ø, TY 1 FR&L  
STA. 327+43, 12.4' RT  
RIM=694.37  
IE=690.53(E)  
IE=690.52(W)  
IE=690.46(N)  
IE=690.40(S)

**STORM INL-12**  
INL TY A, 2' Ø, TY 3 FR&GR  
STA. 328+90, 15.7' RT  
EP=694.68  
IE=691.30(W)

**STORM MH-F**  
MH TY A, 5' Ø, TY 1 FR&L  
STA. 328+90, 11.4' RT  
RIM=694.78  
IE=691.28(E)  
IE=691.19(W)  
IE=691.19(N)EXIST 15"(VERIFY)  
IE=690.76(S)

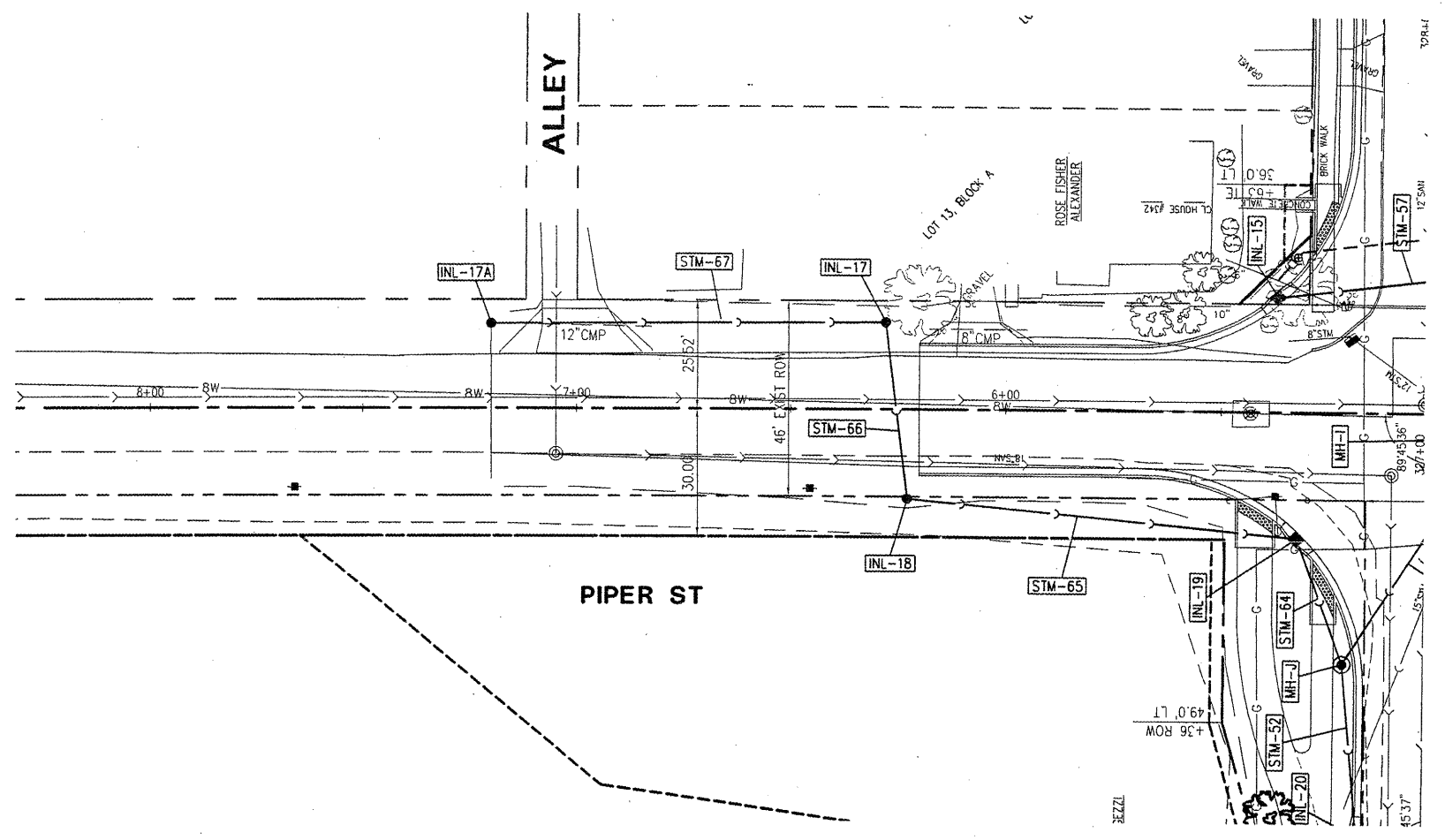
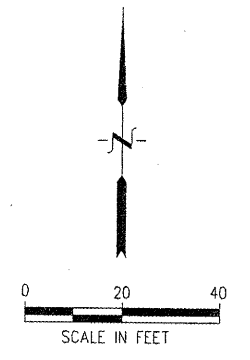


PLOTTING SCALE: 1" = 20'  
DRAWN BY: JAB  
CHECKED BY: JAF  
DATE: OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**STORM SEWER PLAN AND PROFILE - STA. 324+00 TO 329+00**  
CITY OF MACOMB  
SOUTH WARD ST.  
FILE NAME: R:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 01-28-08098  
MACOMB, ILLINOIS  
McClure Engineering Associates, Inc.  
Macomb, Illinois 61455  
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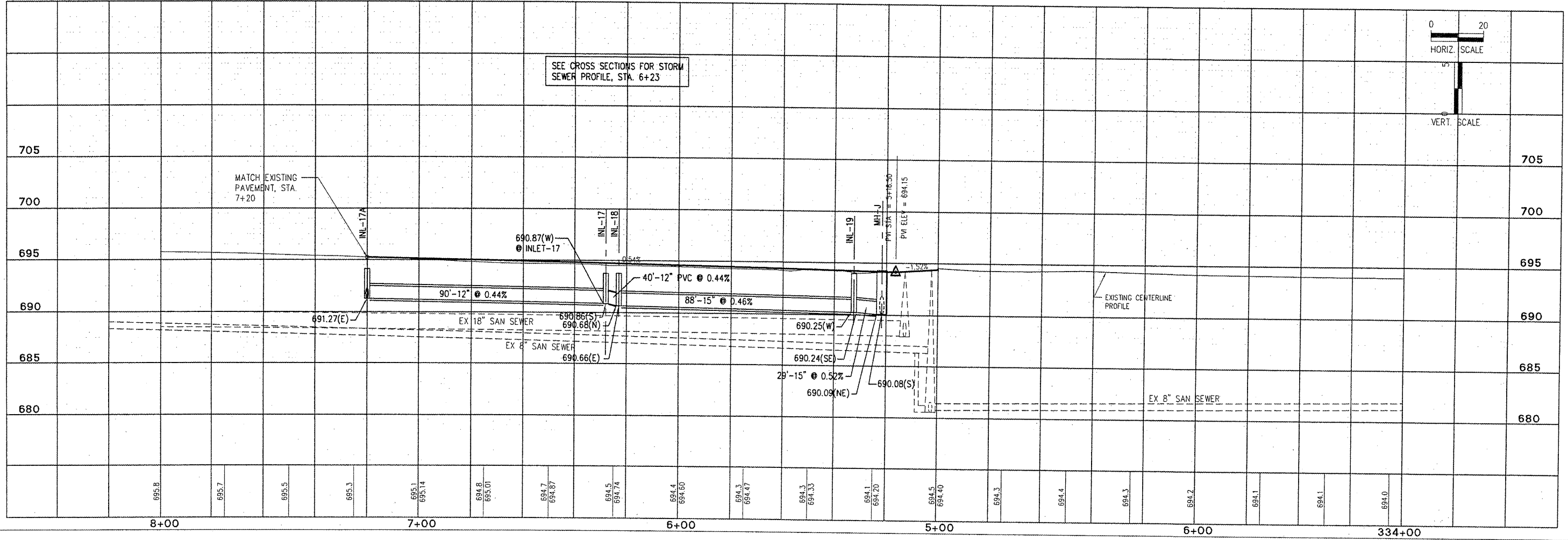
**STORM INL-17A**  
INLET TY A 2' TY 8 GR  
STA. 7+20, 20.0' RT  
RIM=694.10  
IE=691.27(E)

**STORM INL-19**  
INLET SPECIAL No. 1  
STA. 326+79.7, 32.5' LT  
STA. 5+32.6, 29.7' LT (PIPER)  
EP=693.97  
IE=690.06(W)  
IE=689.96(SE)

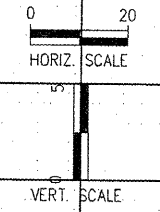
**STORM INL-17**  
INLET TY A 2' TY 8 GR  
STA. 6+28, 20.5' RT  
RIM=693.60  
IE=690.87(W)  
IE=690.77(S)

**STORM MH-J**  
MH TY A, 7', TY 1 FR&OL  
STA. 326+50, 21.5' LT  
STA. 5+21.75, 59.45' LT (PIPER)  
RIM=694.27  
IE=690.09(NE)  
IE=689.87(NW)  
IE=689.77(S)

**STORM INL-18**  
INLET TY B TY 1 FR&OL  
STA. 6+23, 21.0' LT  
RIM=693.80  
IE=690.59(N)  
IE=690.34(E)



SEE CROSS SECTIONS FOR STORM SEWER PROFILE, STA. 6+23



PLOTTING SCALE:	1" = 20'
DRAWN BY:	TAB
CHECKED BY:	JAP
DATE:	OCTOBER 2008

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS**  
**STORM SEWER PLAN AND PROFILE - PIPER STREET WEST**  
CITY OF MACOMB  
SOUTH WARD ST.  
FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-28-07002  
MACOMB, ILLINOIS

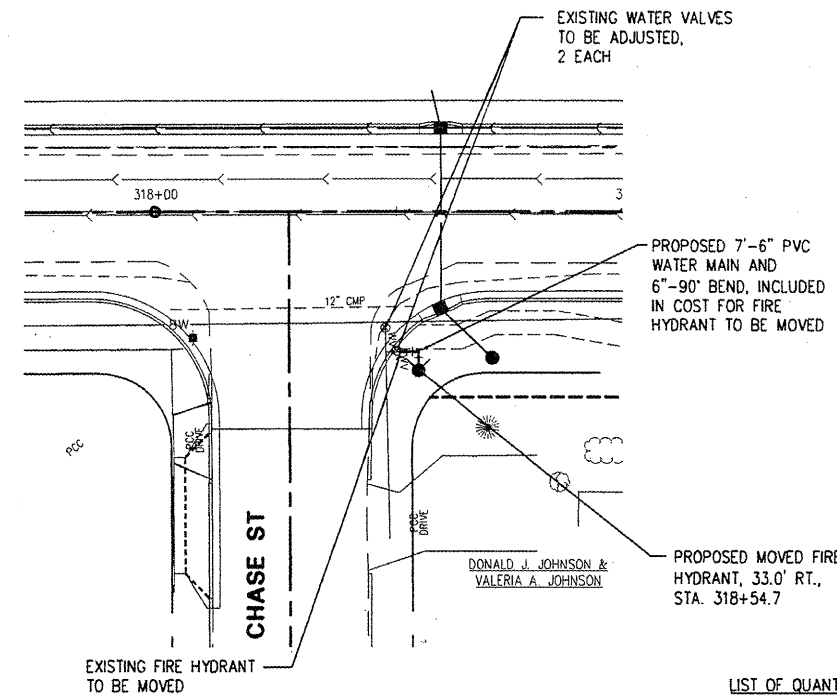
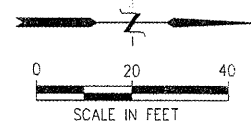


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PLOTTING SCALE: 1" = 20'  
 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: OCTOBER 2009

NO.	REVISIONS	DATE

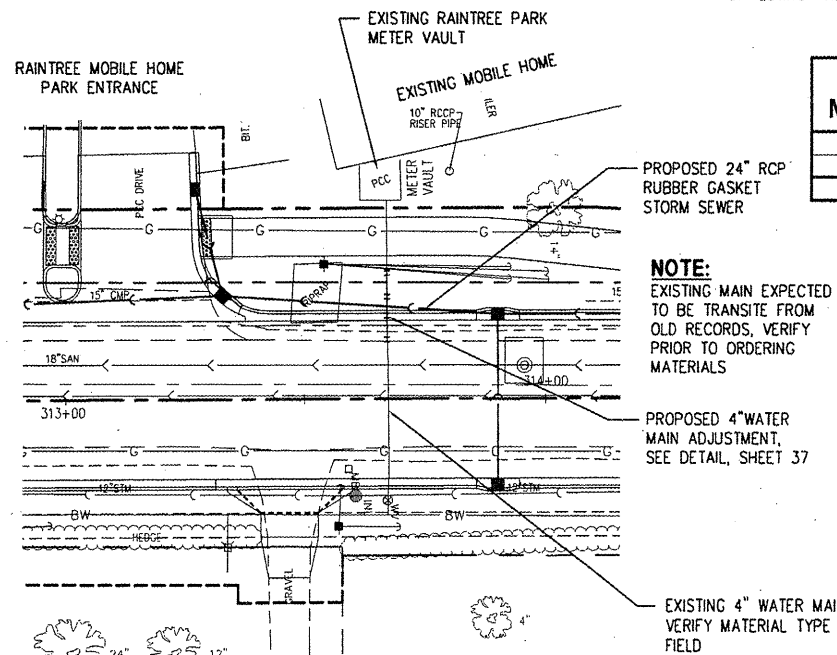
**WARD STREET IMPROVEMENTS**  
**WATER MAIN ADJUSTMENT PLAN, MATERIALS AND NOTES**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-29-08098



**EXISTING FIRE HYDRANT TO BE MOVED**

LIST OF QUANTITIES INCLUDED IN CONTRACT PRICE FOR "FIRE HYDRANT TO BE MOVED" NE COR. CHASE ST.

1. NON-PRESSURE CONNECTION TO EXISTING WATER VALVE
2. 6"-90" BEND
3. 7'-6" PVC, SDR-21 WATER MAIN
4. FIRE HYDRANT REMOVAL AND REINSTALLATION
5. TESTING AND DISINFECTION



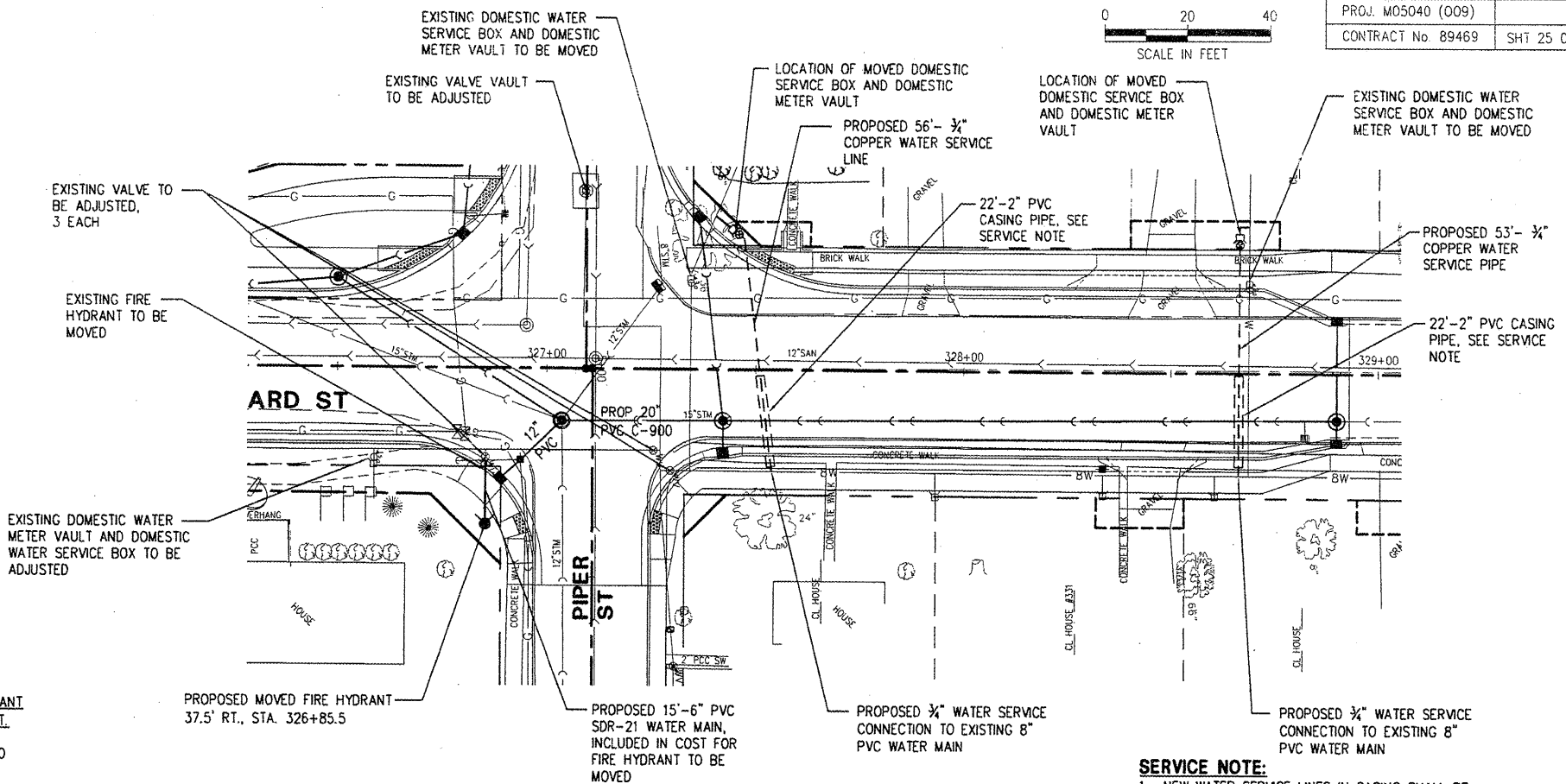
**EXISTING WATER MAIN TO BE ADJUSTED**

**NOTE:**  
 EXISTING MAIN EXPECTED TO BE TRANSITE FROM OLD RECORDS, VERIFY PRIOR TO ORDERING MATERIALS

LIST OF QUANTITIES INCLUDED IN CONTRACT PRICE FOR "WATER MAIN TO BE ADJUSTED" RAIN TREE MOBILE HOME PARK SERVICE

1. 2 EACH - NON-PRESSURE CONNECTION TO EXISTING 4" TRANSITE WATER MAIN
2. 4 EACH - 4"-45" BENDS
3. 18'-4" PVC, SDR-21, CL 200 WATER MAIN
4. 2 EACH - BELL CLAMPS
5. ROD MATERIAL, LENGTH AS REQUIRED
6. 5± CU. YDS. - TRENCH BACKFILL (MAY VARY BASED ON BELL LOCATIONS)
6. TESTING AND DISINFECTION

ADJUST EXISTING WATER MAIN UNDER STORM SEWER	
LOCATION	EACH
LT. STA. 313+67	1
TOTAL	1



**EXISTING FIRE HYDRANT TO BE MOVED AND SERVICE RELOCATION PLAN**

LIST OF QUANTITIES INCLUDED IN CONTRACT PRICE FOR "FIRE HYDRANT TO BE MOVED" SE COR. PIPER ST

1. NON-PRESSURE CONNECTION TO EXISTING WATER VALVE
2. 15'-6" PVC, SDR-21 WATER MAIN
3. FIRE HYDRANT REMOVAL AND REINSTALLATION
4. 4 CU. YDS. TRENCH BACKFILL
5. TESTING AND DISINFECTION

**SERVICE NOTE:**  
 1. NEW WATER SERVICE LINES IN CASING SHALL BE INSTALLED BELOW STORM SEWER WITH A MINIMUM VERTICAL CLEARANCE OF 18" FROM TOP OF CASING PIPE TO BOTTOM OF STORM SEWER PIPE  
 2. SEE SPECIAL PROVISIONS FOR SERVICE MATERIALS APPROVED BY THE CITY OF MACOMB.

DOMESTIC METER VAULTS TO BE MOVED		
EXISTING	PROPOSED	EACH
22' LT STA 327+34.5 TO	34' LT STA 327+44.3	1
21.6' LT STA 328+68.7 TO	33' LT STA 328+66.3	1
TOTAL		2

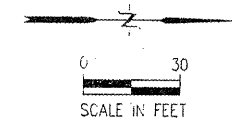
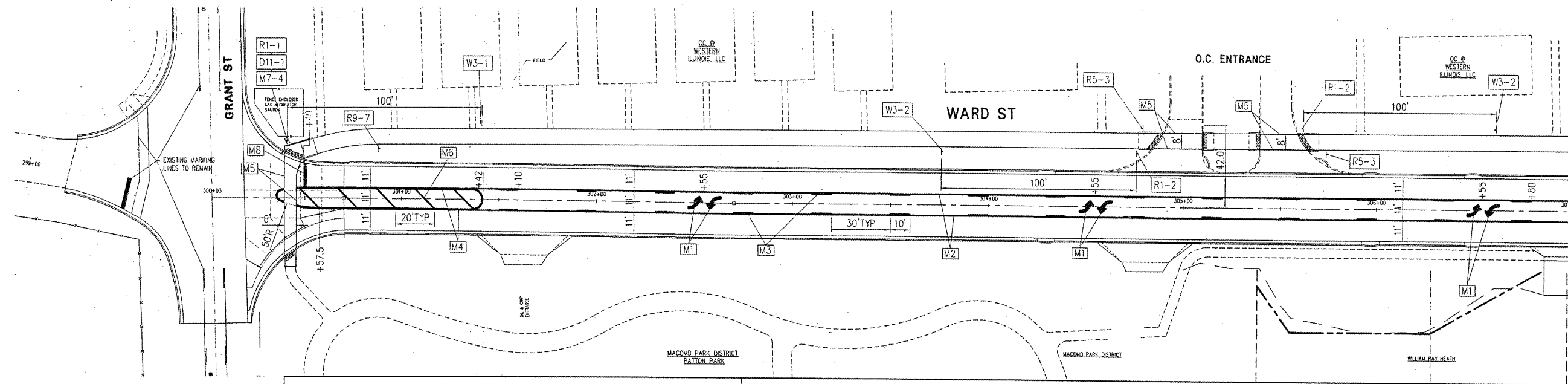
DOMESTIC WATER SERVICE BOXES TO BE MOVED		
EXISTING	PROPOSED	EACH
21' LT STA 327+34.5 TO	32.8' LT STA 327+46	1
20' LT STA 328+68.7 TO	31' LT STA 328+66.3	1
TOTAL		2

WATER SERVICE CONNECTIONS, 3/4"		
		EACH
24' RT STA 327+54		1
25' RT STA 328+66.3		1
TOTAL		2

WATER SERVICE LINE, 3/4"				TRENCH BACKFILL
			EACH	CU. YD.
24' RT STA 327+54	TO	32.8' LT STA 327+46	56	19
25' RT STA 328+66.3	TO	31' LT STA 328+66.3	53	19
TOTAL			109	38

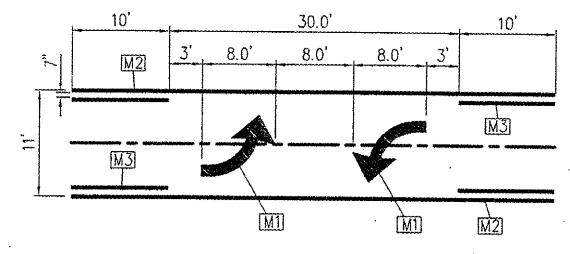
CASING PIPE	
	EACH
12.3' RT STA 327+52.4	22
11.5' RT STA 328+66.3	22
TOTAL	44

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**SHARED USE PATH SIGNING**

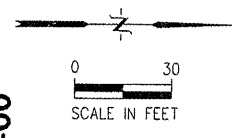
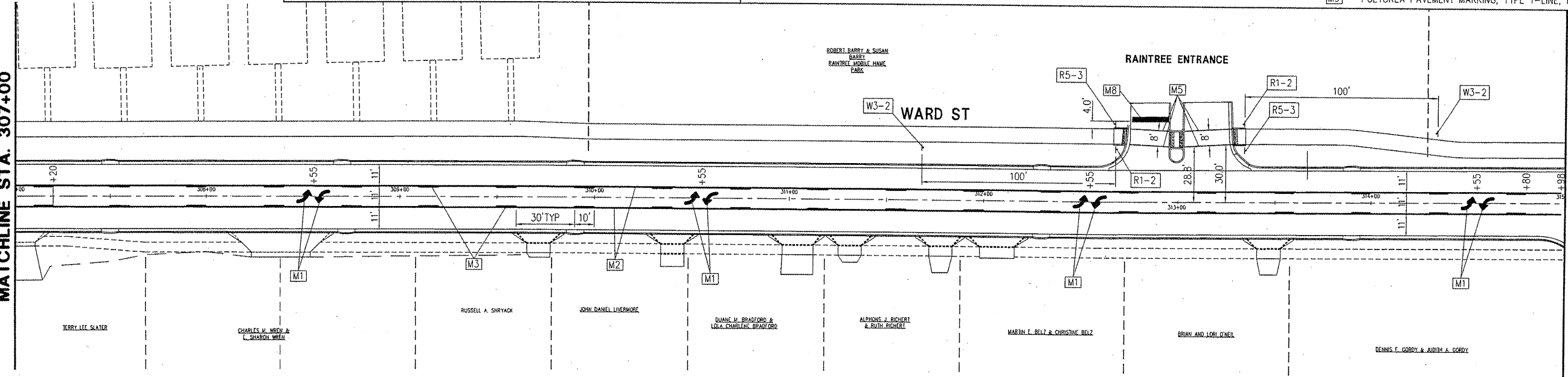
R1-1 STOP SIGN-18"x18"	W3-1 STOP AHEAD-18"x18"
R1-2 YIELD SIGN-18"x18"x18"	W3-2 YIELD AHEAD-18"x18"
R5-3 NO MOTOR VEHICLES-24"x24"	W11-1 BICYCLE WARNING-24"x24"
R5-6 NO BICYCLES-24"x24"	W16-1 SHARE THE ROAD-18"x24"
R9-7 SHARED USE PATH RESTRICTION-12"x18"	D11-1 BIKE ROUTE-24"x18"
	M7-4 ROUTE SIGN SUPPLEMENTAL 12"x9"



**PAVEMENT MARKING DETAIL**

**PAVEMENT MARKING LEGEND**

- M1 POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS, SPECIAL - LEFT/RIGHT TURN ARROWS(WHITE)
- M2 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (YELLOW)
- M3 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (YELLOW-SKIP/DASH)
- M4 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (DOUBLE YELLOW)
- M5 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 6" (WHITE)
- M6 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 12" (YELLOW)
- M7 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 12" (WHITE)
- M8 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 24" (WHITE)
- M9 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 8" (WHITE)



PLOTTING SCALE: 1" = 30'  
 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**PAVEMENT MARKING PLAN - STA. 300+03 TO 315+00**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDS\1\WARD-ST-2007  
 FIELD BOOK No: 2237 JOB NUMBER: 03-25-08026  
 MACOMB, ILLINOIS

POLYUREA PAVEMENT MARKING									
LOCATION	SO. FT.	LINE 4" (YELLOW)	LINE 4" (SKIP/DASH)	LINE 4" (DOUBLE YELLOW)	LINE 6" (WHITE)	LINE 8" (WHITE)	LINE 12" (YELLOW)	LINE 12" (WHITE)	LINE 24" (WHITE)
STA 300+35 TO 307+00	94	1,127	280	418	187	---	71	---	13
STA 307+00 TO 315+00	125	1,690	400	---	90	---	---	---	19
STA 315+00 TO 323+00	156	1,230	340	---	---	---	---	---	50
STA 323+00 TO 326+93	94	745	290	286	383	43	---	38	39
SUB TOTAL		4,697	1,310	704	660	43	71	38	121
TOTAL	469		6,711						

CITY OF MACOMB - WARD STREET  
 SEC. 06-00139-06-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 27 OF 59

SHEET NO.  
**27**  
 of **59**

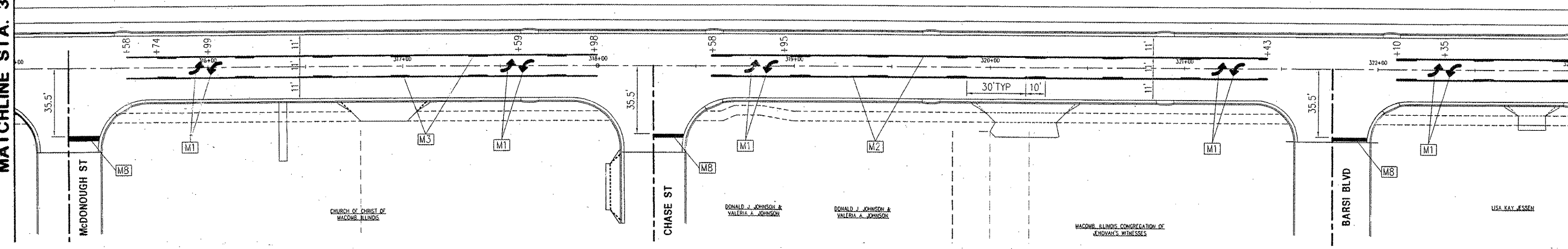
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PLOTTING SCALE: 1" = 30'  
 DRAWN BY: TAB  
 CHECKED BY: JAP  
 DATE: OCTOBER 2009

MATCHLINE STA. 315+00

MATCHLINE STA. 323+00

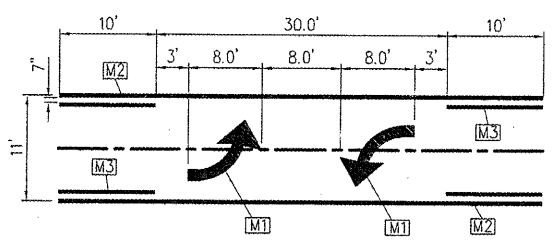
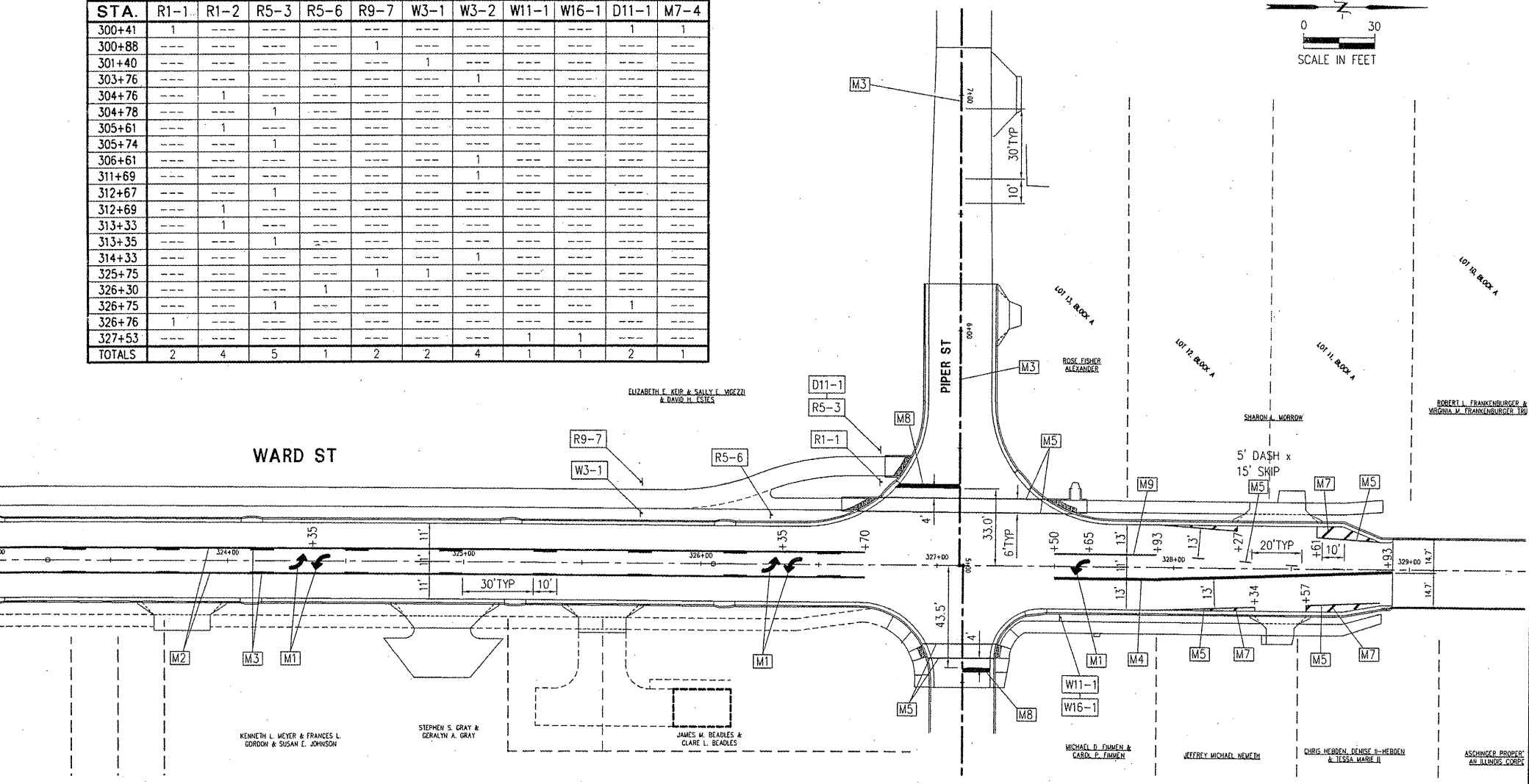
**WARD ST**



STA.	SHARED USE PATH SIGNING SCHEDULE										
	R1-1	R1-2	R5-3	R5-6	R9-7	W3-1	W3-2	W11-1	W16-1	D11-1	M7-4
300+41	1									1	1
300+88					1						
301+40						1					
303+76							1				
304+76		1									
304+78			1								
305+61		1									
305+74			1								
306+61								1			
311+69									1		
312+67			1								
312+69		1									
313+33											
313+35			1								
314+33							1				
325+75					1	1					
326+30				1							
326+75			1							1	
326+76	1								1		
327+53											1
TOTALS	2	4	5	1	2	2	4	1	1	2	1

MATCHLINE STA. 323+00

**WARD ST**



**PAVEMENT MARKING LEGEND**

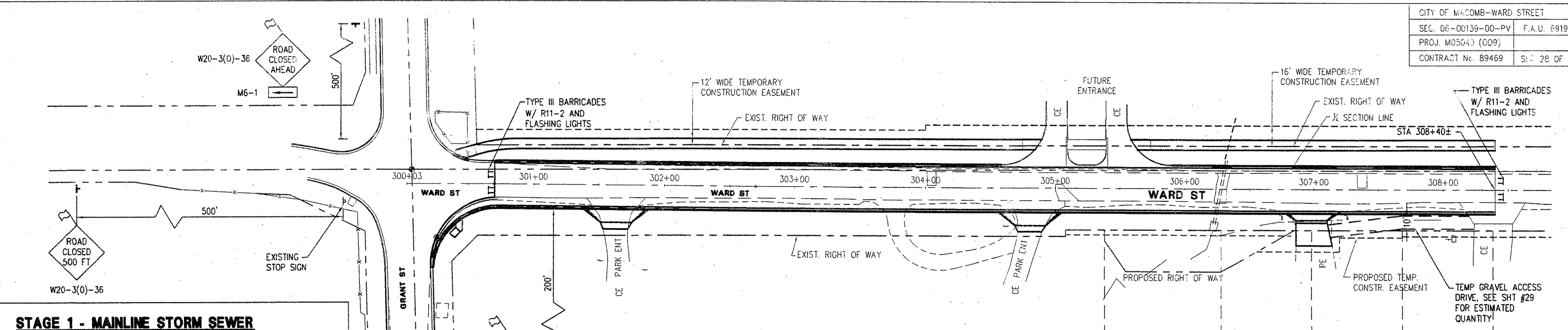
- M1 POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS, SPECIAL - LEFT/RIGHT TURN ARROWS (WHITE)
- M2 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (YELLOW)
- M3 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (YELLOW-SKIP/DASH)
- M4 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (DOUBLE YELLOW)
- M5 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 6" (WHITE)
- M6 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 12" (YELLOW)
- M7 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 12" (WHITE)
- M8 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 24" (WHITE)
- M9 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 8" (WHITE)

**SHARED USE PATH SIGNING**

- R1-1 STOP SIGN-18"x18"
- R1-2 YIELD SIGN-18"x18"x18"
- R5-3 NO MOTOR VEHICLES-24"x24"
- R5-6 NO BICYCLES-24"x24"
- R9-7 SHARED USE PATH RESTRICTION-12"x18"
- W3-1 STOP AHEAD-18"x18"
- W3-2 YIELD AHEAD-18"x18"
- W11-1 BICYCLE WARNING-24"x24"
- W16-1 SHARE THE ROAD-18"x24"
- D11-1 BIKE ROUTE-24"x18"
- M7-4 ROUTE SIGN SUPPLEMENTAL 12"x9"

**WARD STREET IMPROVEMENTS**  
**PAVEMENT MARKING PLAN - STA. 315 TO 328+93**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-29-080998

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**STAGE 1 - MAINLINE STORM SEWER**

**CONSTRUCTION**

1. WORK FROM SOUTH TO NORTH TO MINIMIZE TRAFFIC CONFUSION AND DISRUPTION.
2. CONSTRUCT ALL NEW MAINLINE STORM SEWERS.
3. COORDINATE UTILITY ADJUSTMENTS. (BY OTHERS)

**TRAFFIC**

A. CONSTRUCT UNDERGROUND UTILITIES WHILE KEEPING THE ROAD OPEN AS MUCH AS POSSIBLE. COMPLETE CLOSURES WILL NOT BE ALLOWED AT THIS TIME. A MINIMUM OF 1-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED DURING WORKING HOURS. FLAGGERS SHALL BE USED AS NEED DURING CONSTRUCTION OPERATIONS. OUTSIDE OF WORKING HOURS, 2-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED.

B. MINIMIZE CLOSURE OF DRIVEWAYS. DRIVEWAYS SHALL BE CLOSED ONLY DURING CONSTRUCTION OF STORM SEWER THROUGH ADJACENT PAVEMENT. NO DRIVEWAYS SHALL REMAIN CLOSED AFTER WORKING HOURS. THE DRIVEWAYS TO RAIN TREE TRAILER COURT AT STA. 313+15.5 SHALL NOT BE CLOSED SIMULTANEOUSLY.

**STAGE 2**

**CONSTRUCTION**

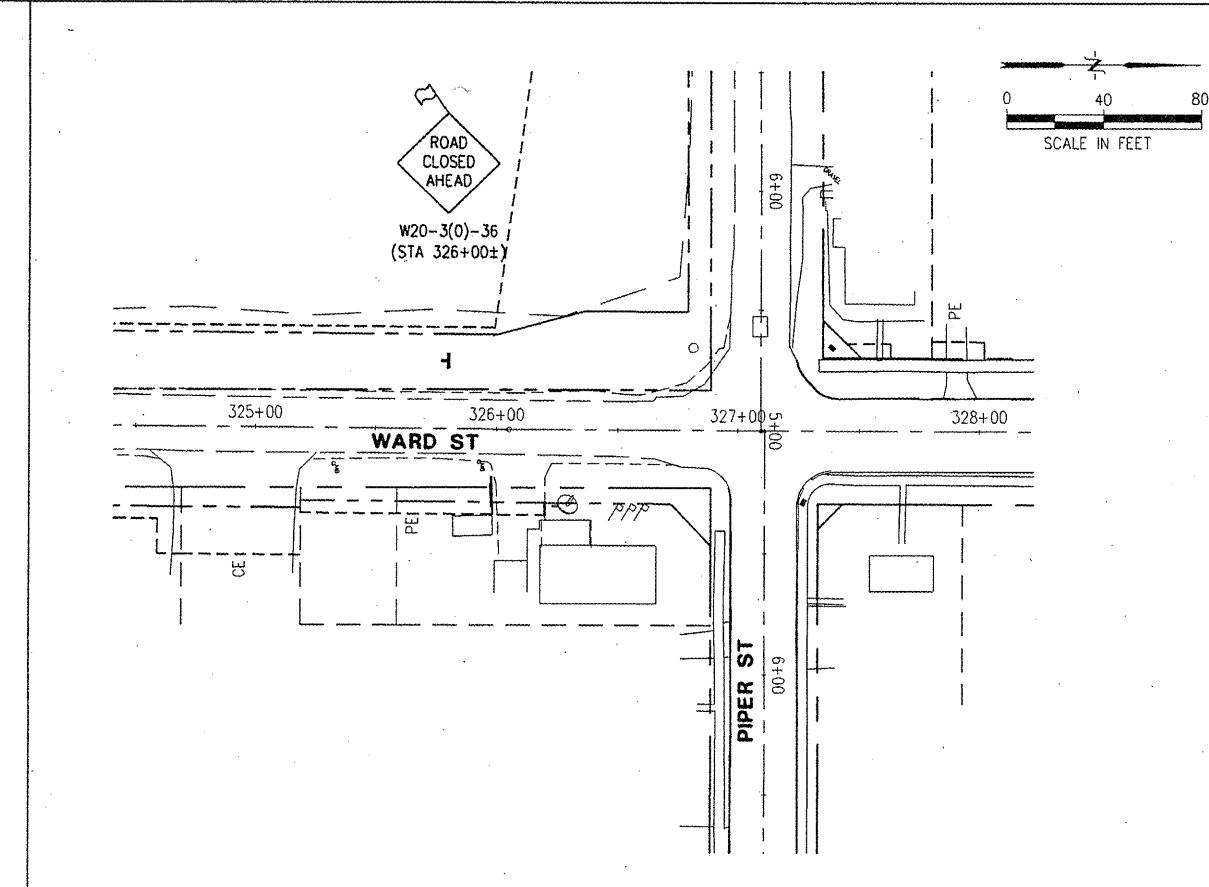
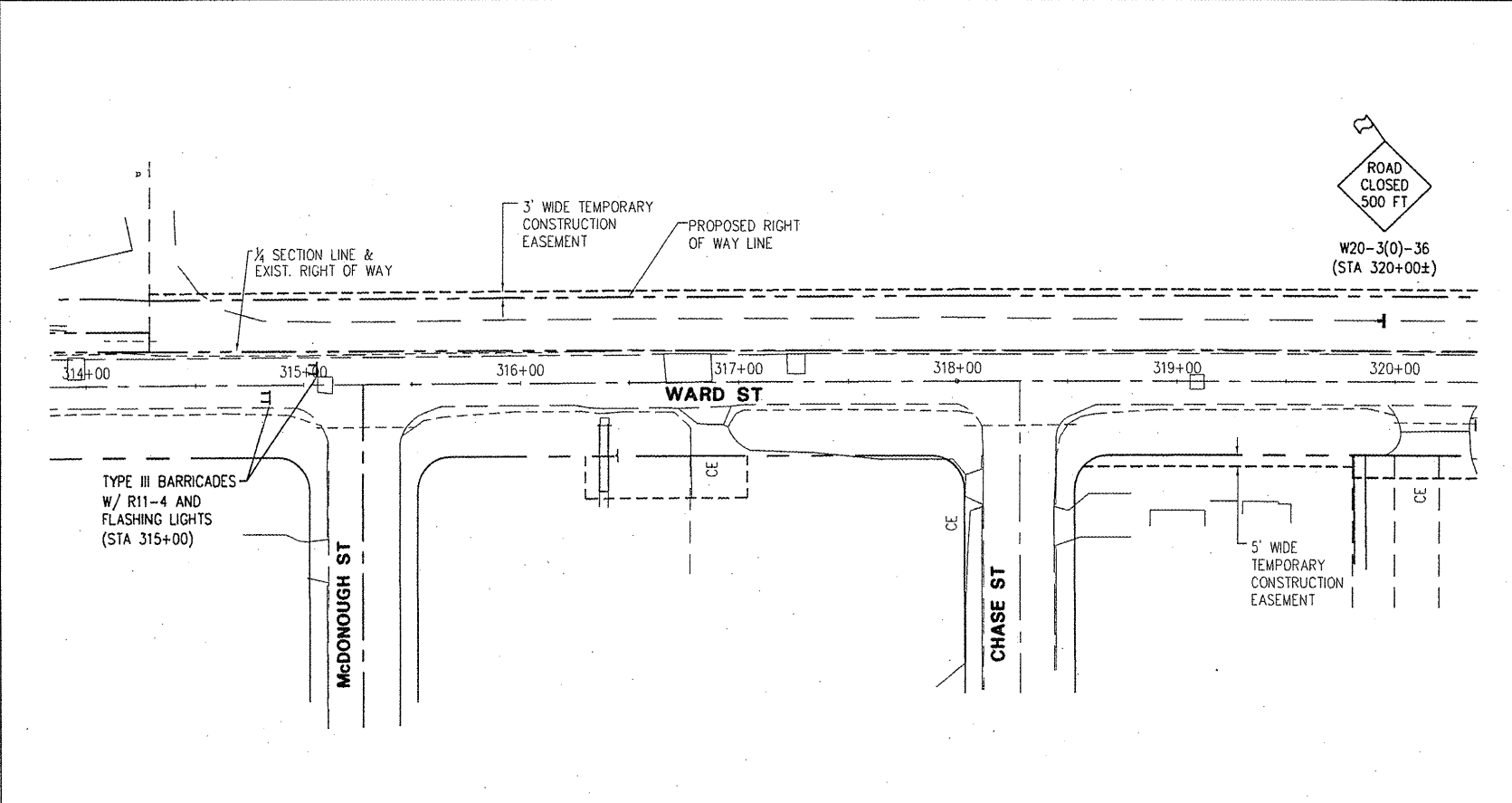
1. CONSTRUCT TEMPORARY ACCESS AS DETAILED.
2. REMOVE EXISTING PAVEMENT AND OTHER ITEMS INDICATED.
3. CONSTRUCT CROSSROAD AND LATERAL STORM SEWER.
4. PERFORM EARTHWORK.
5. FINAL UTILITY ADJUSTMENTS SHALL BE PERFORMED.
6. CONSTRUCT CURB AND GUTTER AND PAVEMENT
7. DRIVEWAY APRONS AT STA. 306+98.5 AND 308+38.5 SHALL NOT BE CONSTRUCTED UNTIL STAGE 2 IS OPEN TO TRAFFIC AND TEMPORARY AGGREGATE IS REMOVED
8. ALL OTHER DRIVEWAY APRONS, SIDEWALK, AND OTHER ITEMS WITHIN THE LIMITS OF STAGE 2 CAN BE COMPLETED NOW OR IN LATER STAGES.
9. REMOVE TEMPORARY ACCESS ITEMS AFTER OPENING WARD STREET BACK UP TO TRAFFIC.

**STAGE 2**

**TRAFFIC**

- A. CONSTRUCT IMPROVEMENTS FROM GRANT STREET TO STA. 308+40 WHILE CLOSING THIS PORTION OF SOUTH WARD STREET TO ALL TRAFFIC. TWO-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED OUTSIDE OF THESE LIMITS.
- B. A TEMPORARY GRAVEL ACCESS DRIVE SHALL BE CONSTRUCTED FROM THE DRIVE AT STA. 306+98.5 TO THE DRIVE AT STA. 308+38.5. PRIOR TO CLOSING THIS PORTION OF WARD STREET. THIS WILL MAINTAIN ACCESS TO ALL RESIDENTS DURING THIS STAGE OF CONSTRUCTION.
- C. COORDINATE REMOVAL OF EXISTING BARRICADES LOCATED IN PATTON PARK WITH THE CITY OF MACOMB DURING THIS STAGE OF CONSTRUCTION TO ALLOW FOR ACCESS FROM THE SOUTH ENTRANCE TO THE PARK WHILE THE NORTH ENTRANCE IS CLOSED OFF.
- D. IMPLEMENT SPECIAL SIGN TABLE IN SPECIAL PROVISIONS.

**STAGE 2**  
 GRANT STREET TO STA 308+40:



PLOTING SCALE: 1" = 40'	
DRAWN BY:	JAH
CHECKED BY:	JAR
DATE:	OCTOBER 2008

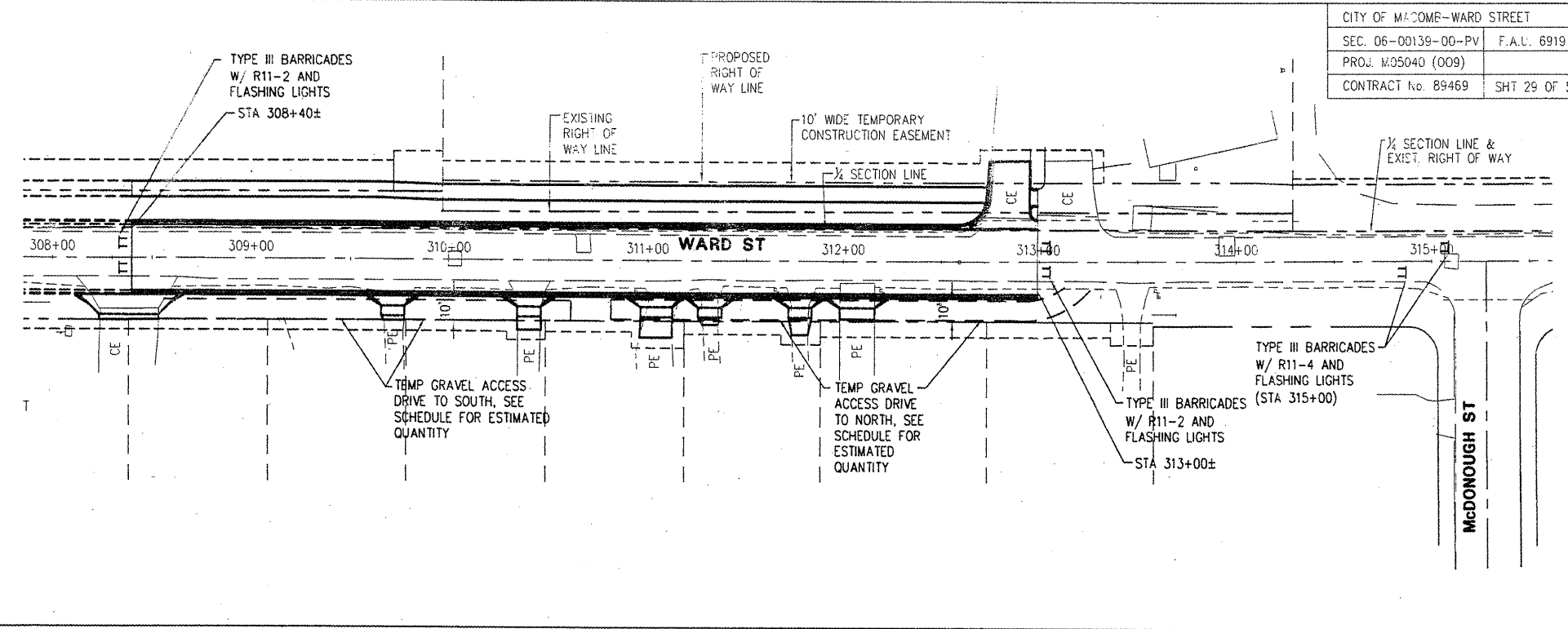
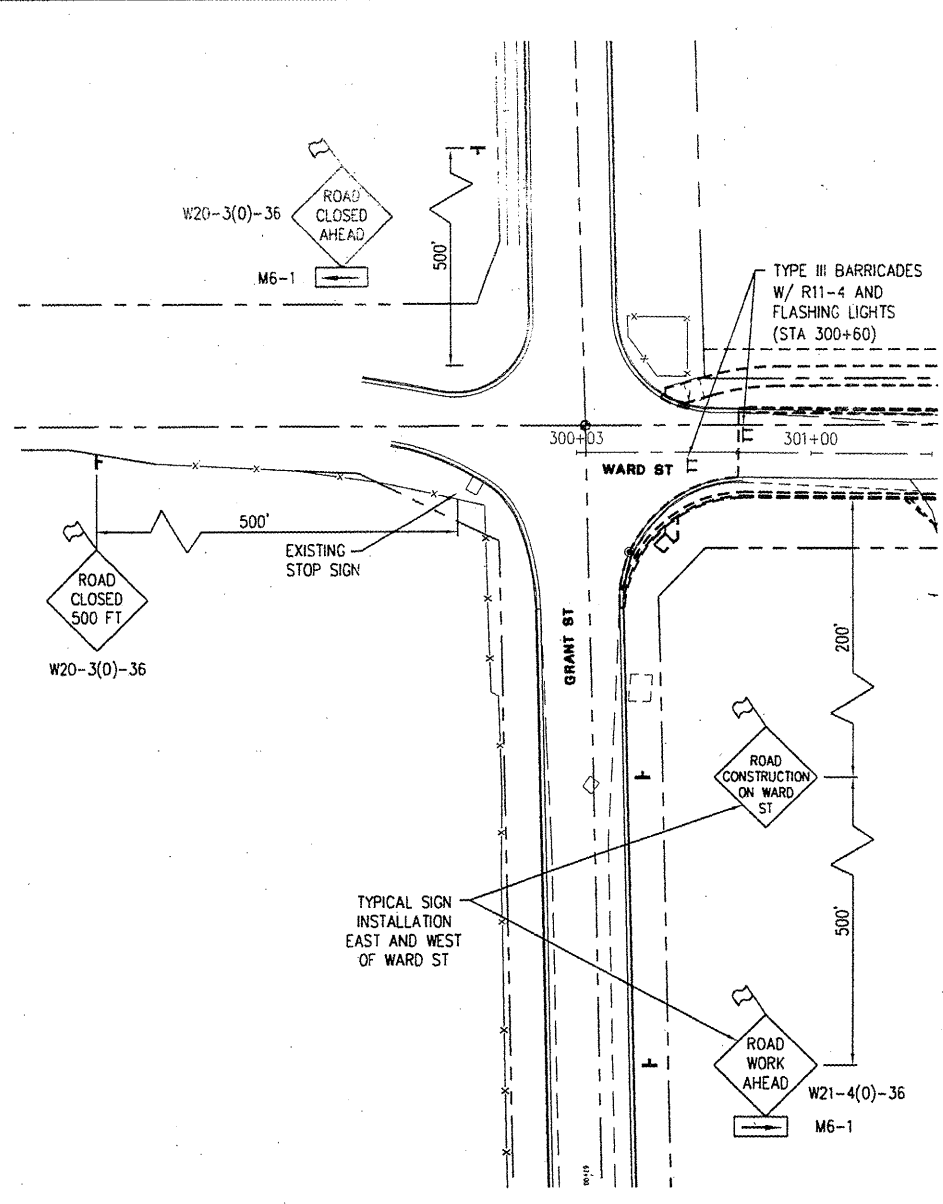
  

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CONSTRUCTION STAGING PLAN**  
 CITY OF MACOMB

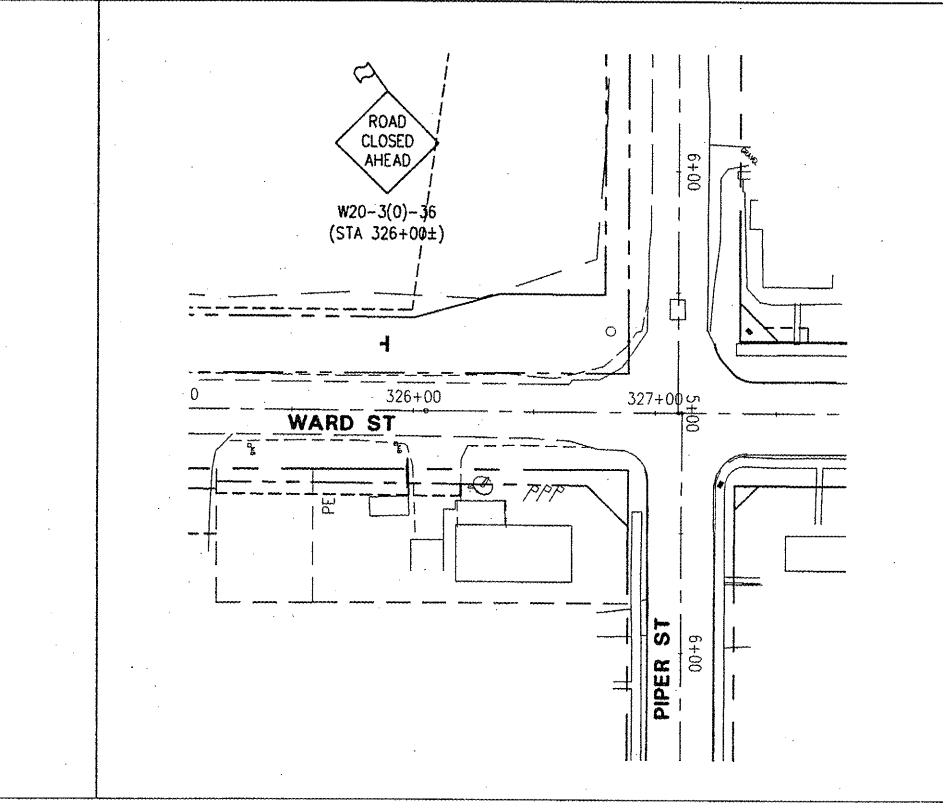
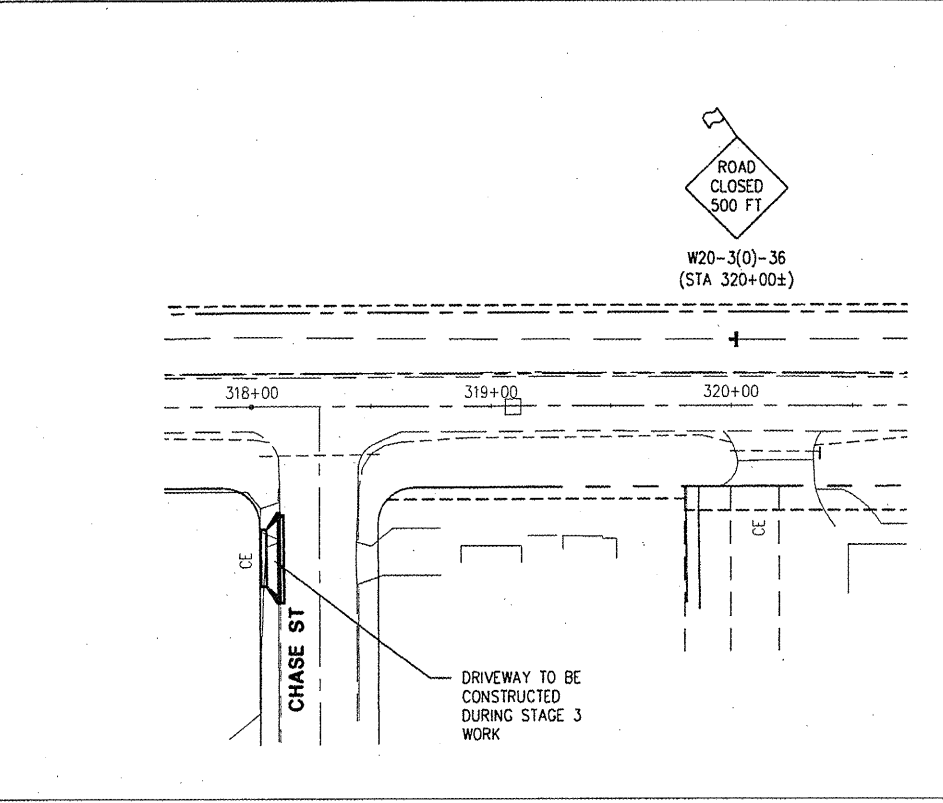
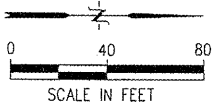
SOUTH WARD ST.  
 FILE NAME: (MACOMB)WARDST\WARD-ST-2007-STAGING FIELD BOOK No: 2257 JOB NUMBER: 01-08-08-098

NO.	REVISIONS	DATE



**AGGREGATE FOR TEMPORARY ACCESS**

LOCATION	THICKNESS	TONS
CONSTRUCTION STAGING ACCESS		
RT. STA. 307+65±	6"	42
RT. STA. 305+56 TO STA. 310+61	6"	89
RT. STA. 310+82 TO STA. 313+10	6"	78
RT. STA. 312+80 TO STA. 313+57	6"	35
RT. STA. 323+95 TO STA. 324+60	6"	28
TEMPORARY DETOUR ROAD		
LT. STA. 326+00±	12"	493
STORM SEWER INSTALLATION	8"	183
DRIVEWAY TEMPORARY ACCESS	6"	176
<b>TOTAL</b>		<b>1124</b>



**STAGE 3**

**CONSTRUCTION**

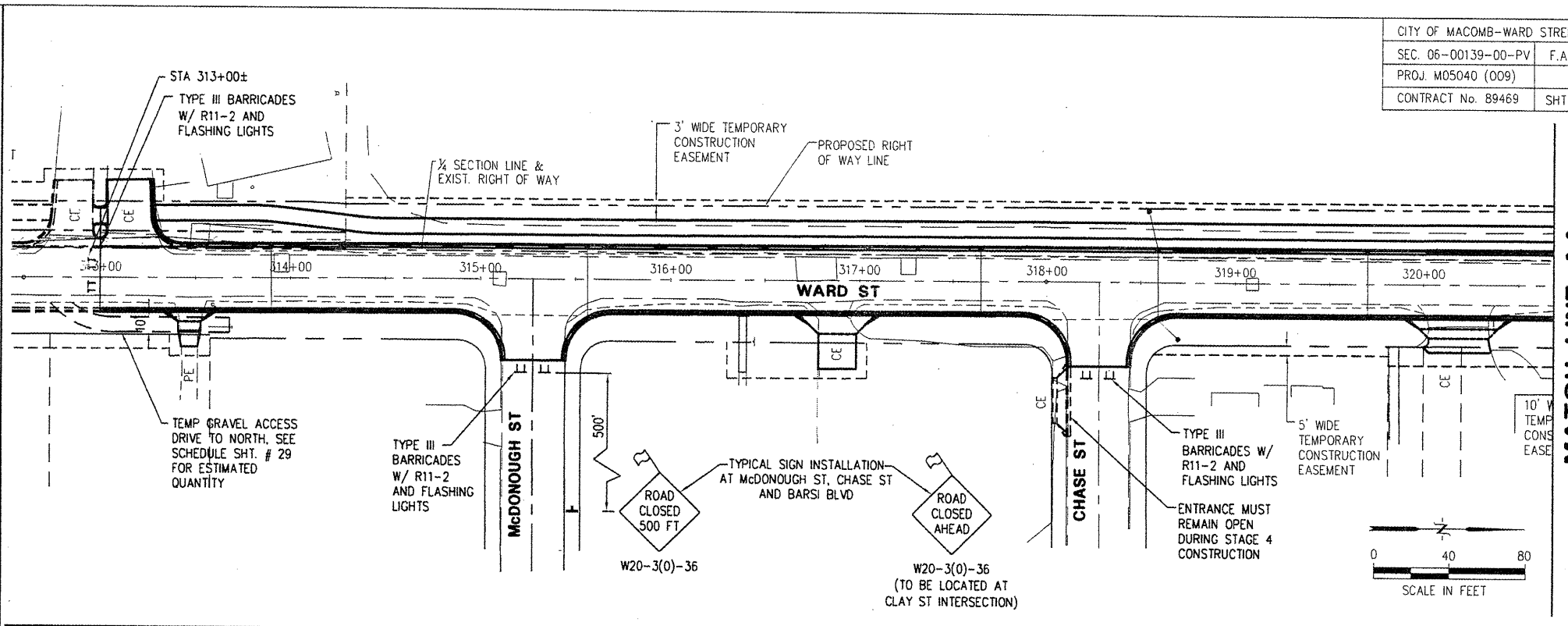
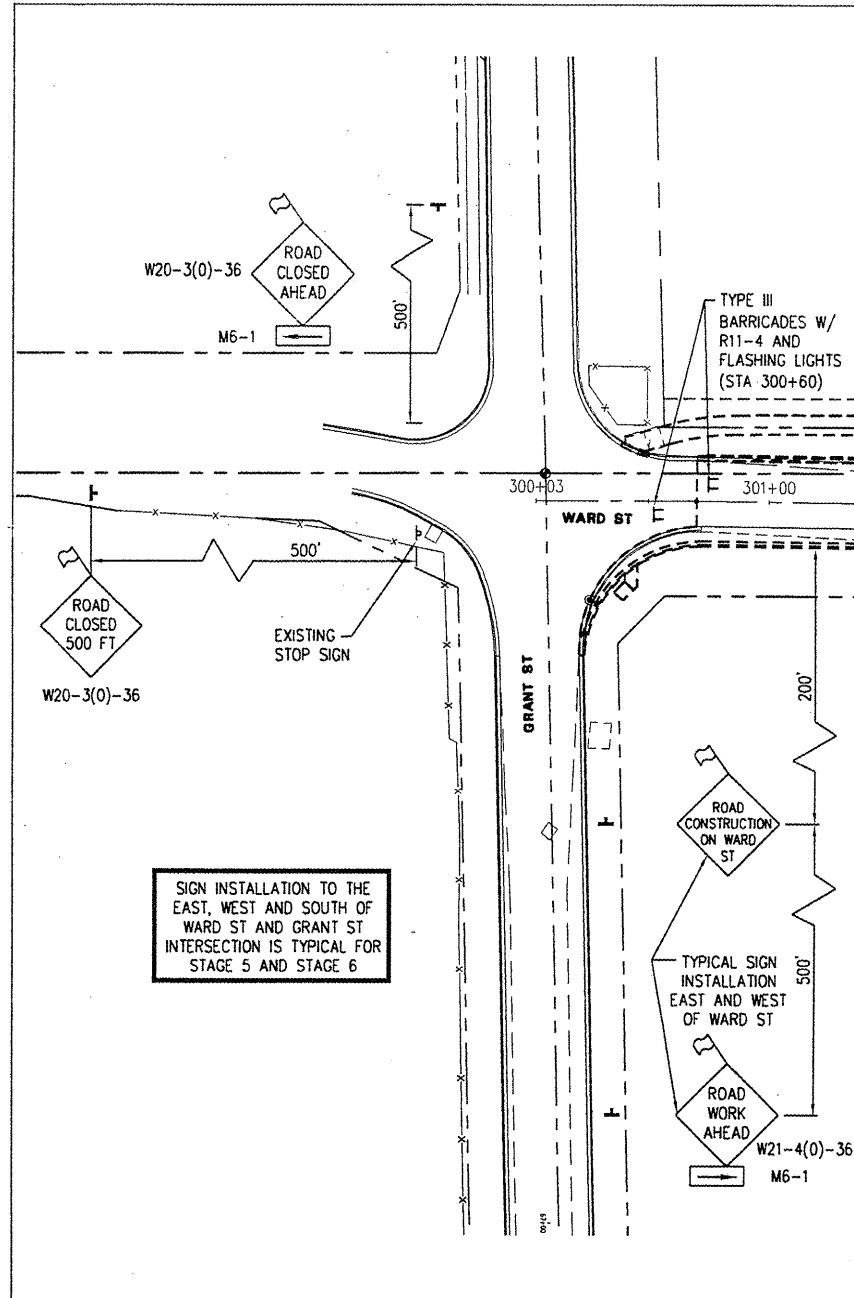
1. CONSTRUCT TEMPORARY ACCESS AS DETAILED.
2. REMOVE EXISTING PAVEMENT AND OTHER ITEMS INDICATED.
3. CONSTRUCT CROSSROAD AND LATERAL STORM SEWER.
4. PERFORM EARTHWORK.
5. FINAL UTILITY ADJUSTMENTS SHALL BE PERFORMED.
6. CONSTRUCT CURB AND GUTTER AND PAVEMENT
7. DRIVEWAY APRONS AT STA. 308+38.5, 309+72, 310+39.9, 311+31.4, 311+78 AND 312+07.2 SHALL NOT BE CONSTRUCTED UNTIL STAGE 3 IS OPEN TO TRAFFIC AND TEMPORARY AGGREGATE BETWEEN DRIVEWAYS IS REMOVED.
8. ALL OTHER DRIVEWAY APRONS, SIDEWALK, AND OTHER ITEMS WITHIN THE LIMITS OF STAGE 3 CAN BE COMPLETED NOW OR IN LATER STAGES.
9. REMOVE TEMPORARY ACCESS ITEMS AFTER OPENING WARD STREET BACK UP TO TRAFFIC.

**TRAFFIC**

- A. CONSTRUCT IMPROVEMENTS FROM STA. 308+40 TO STA. 313+00 WHILE CLOSING THIS PORTION OF SOUTH WARD STREET TO ALL TRAFFIC. WARD STREET SHALL BE CLOSED TO THRU TRAFFIC FROM STA. 300+50 TO STA. 308+40 AND STA. 313+00 TO STA. 315+00. TWO-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED OUTSIDE OF THESE LIMITS.
- B. TEMPORARY GRAVEL ACCESS SHALL BE CONSTRUCTED PRIOR TO CLOSING THIS PORTION OF WARD STREET. GRAVEL SHALL BE PLACED BETWEEN DRIVES AT STA. 308+38.5, STA. 309+72, AND STA. 310+39.9, ALLOWING ACCESS FOR THESE RESIDENCES TO THE SOUTH OF THE CONSTRUCTION LIMITS. GRAVEL SHALL ALSO BE PLACED BETWEEN DRIVES AT STA. 311+04, STA. 311+31.4, STA. 311+78, AND STA. 312+07.2, OUTLETTING VEHICLES FROM THESE RESIDENCES JUST TO THE NORTH OF THE CONSTRUCTION LIMITS FOR THIS PHASE.
- C. IMPROVEMENTS FOR THE CHASE STREET ENTRANCE TO THE CHURCH OF CHRIST SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH STAGE 3 WORK. ACCESS TO THE CHURCH OFF OF WARD STREET SHALL REMAIN OPEN UNTIL THESE IMPROVEMENTS ARE COMPLETED AND THIS ENTRANCE IS AVAILABLE TO TRAFFIC.
- D. IMPLEMENT SPECIAL SIGN TABLE IN SPECIAL PROVISIONS.

**STAGE 3**  
 STA 308+40± TO STA 313+00±

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MATCH LINE AA

**STAGE 4**

**CONSTRUCTION**

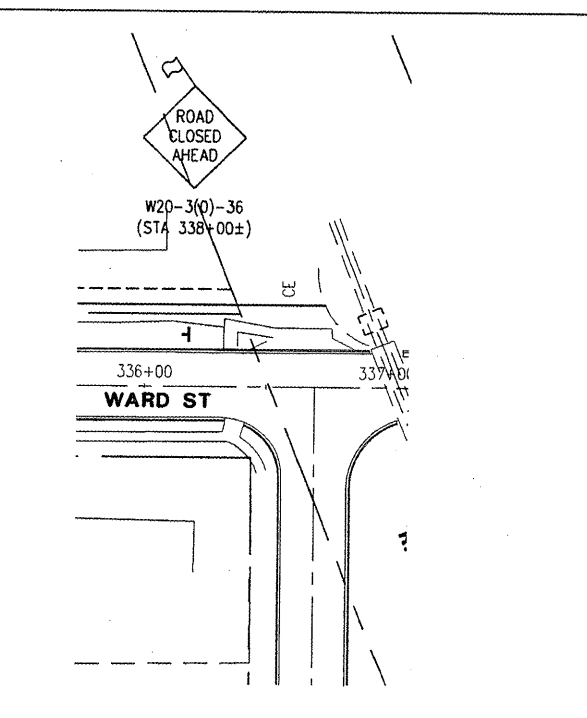
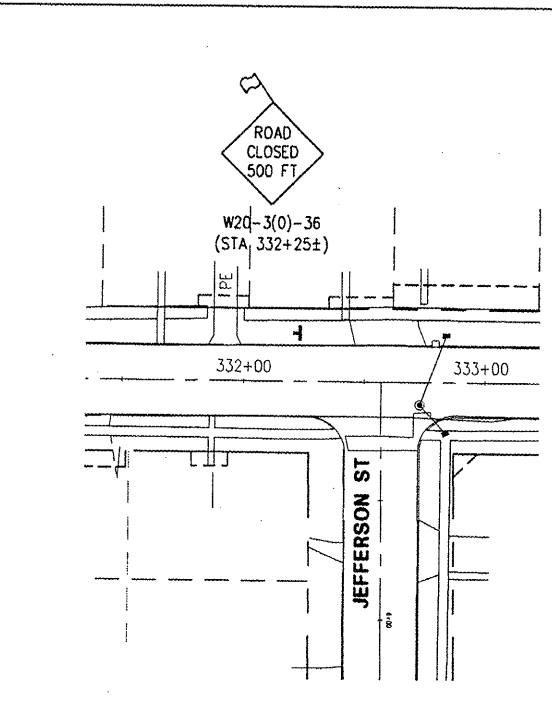
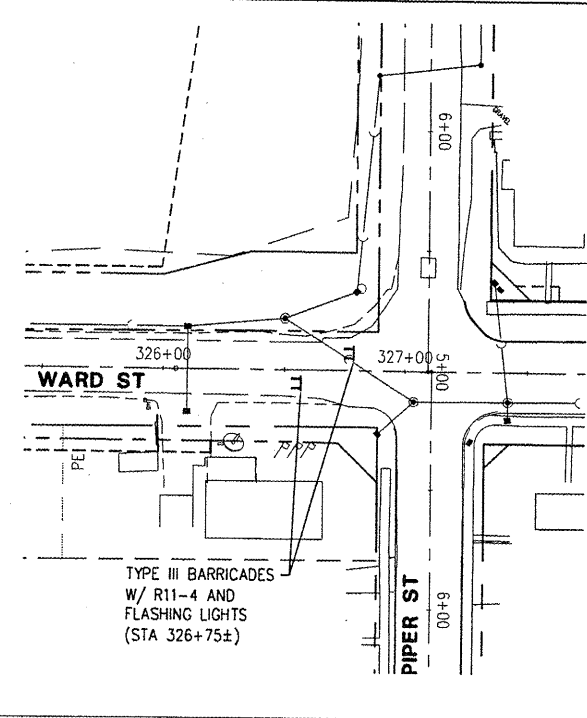
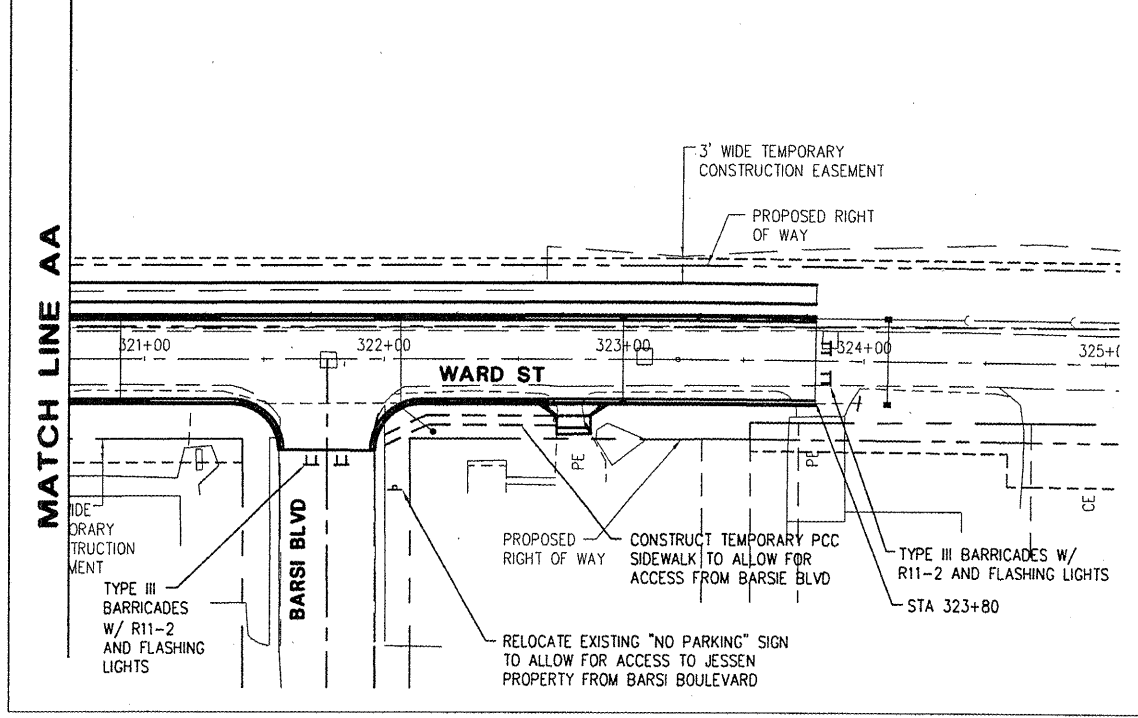
1. CONSTRUCT TEMPORARY SIDEWALK AT RESIDENCE AT THE NORTHEAST CORNER OF WARD STREET AND BARSIE BOULEVARD AS INDICATED.
2. REMOVE EXISTING PAVEMENT AND OTHER ITEMS.
3. CONSTRUCT CROSSROAD AND LATERAL STORM SEWER.
4. PERFORM EARTHWORK.
5. FINAL UTILITY ADJUSTMENTS SHALL BE PERFORMED.
6. CONSTRUCT CURB AND GUTTER, PAVEMENT AND SIDE STREET TIE-INS.
7. DRIVEWAY APRONS, SIDEWALK, AND OTHER ITEMS WITHIN THE LIMITS OF STAGE 4 CAN BE COMPLETED NOW OR IN LATER STAGES.
8. REMOVE TEMPORARY ACCESS ITEMS AFTER OPENING WARD STREET BACK UP TO TRAFFIC.

**STAGE 4**

**TRAFFIC**

- A. CONSTRUCT IMPROVEMENTS FROM STA. 313+00 TO STA. 323+80 WHILE CLOSING THIS PORTION OF SOUTH WARD STREET TO ALL TRAFFIC. WARD STREET SHALL BE CLOSED TO THRU TRAFFIC FROM STA. 300+50 TO STA. 313+00 AND FROM STA. 323+80 TO STA. 326+75. TWO-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED OUTSIDE OF THESE LIMITS.
- B. A TEMPORARY PCC SIDEWALK SHALL BE CONSTRUCTED AS DETAILED AT THE NORTHEAST CORNER OF BARSIE BOULEVARD, PRIOR TO CLOSING THIS PORTION OF WARD STREET. THE "NO PARKING" SIGN ON BARSIE BOULEVARD, NEAR WARD STREET SHALL BE RELOCATED FURTHER TO THE EAST, ALLOWING THESE RESIDENTS TO PARK ON BARSIE ADJACENT TO THEIR PROPERTY DURING THIS STAGE OF CONSTRUCTION.
- C. McDONOUGH STREET, CHASE STREET, AND BARSIE BOULEVARD SHALL ALL BE CLOSED ADJACENT TO WARD STREET AS SHOWN. ACCESS SHALL BE MAINTAINED FOR THE CHURCH OF CHRIST OFF OF CHASE STREET, AND FOR THE CONGREGATION OF JEHOVAH'S WITNESSES OFF OF BARSIE BOULEVARD.
- D. IMPROVEMENTS FOR THE CHASE STREET ENTRANCE TO THE CHURCH OF CHRIST SHALL BE CONSTRUCTED PRIOR TO CLOSING THIS PORTION OF WARD STREET. THESE DRIVEWAY IMPROVEMENTS SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH EITHER STAGE 2 OR STAGE 3 WORK. THE ACCESS TO THE CHURCH OFF OF WARD STREET SHALL REMAIN OPEN UNTIL THESE IMPROVEMENTS ARE COMPLETED AND THE CHASE STREET ENTRANCE IS AVAILABLE TO TRAFFIC.
- E. IMPLEMENT SPECIAL SIGN TABLE IN SPECIAL PROVISIONS.

**STAGE 4**  
 STA 313+00± TO STA 323+80



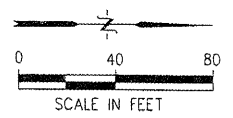
**WARD STREET IMPROVEMENTS  
 CONSTRUCTION STAGING PLAN**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARDST\WARD-ST-2007-STAGING  
 MACOMB, ILLINOIS  
 FIELD BOOK No. 2257 JOB NUMBER: 03-28-08-028

NO.	REVISIONS	ITEM	DATE

PLOTTING SCALE: 1" = 40'  
 DRAWN BY: JAH  
 CHECKED BY: JAR  
 DATE: OCTOBER 2008

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**STAGE 5**

**CONSTRUCTION**

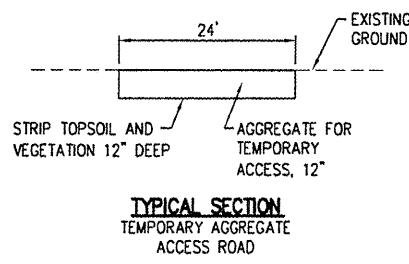
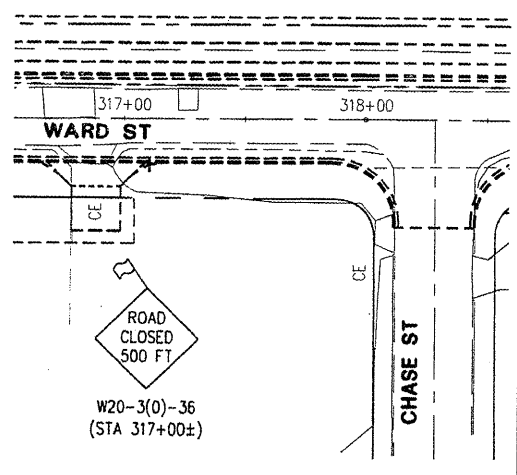
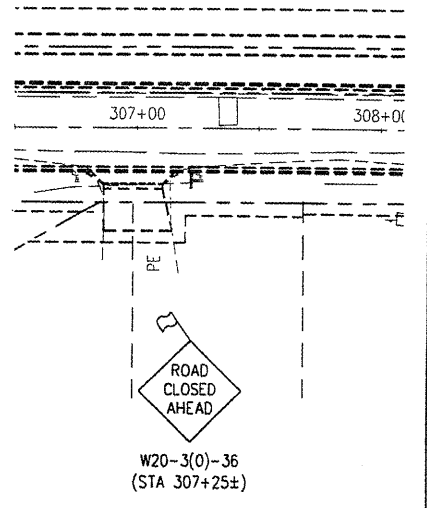
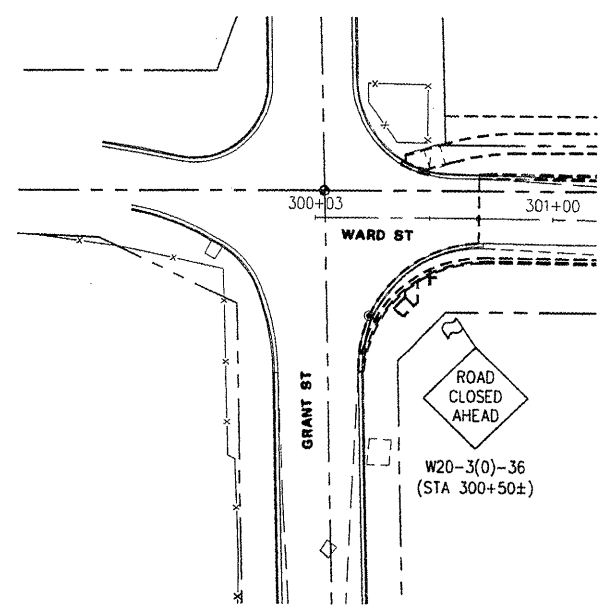
1. CONSTRUCT TEMPORARY ACCESS TO DRIVEWAY AT STA. 324+91.3.
2. REMOVE EXISTING PAVEMENT AND OTHER ITEMS.
3. CONSTRUCT CROSSROAD AND LATERAL STORM SEWER.
4. PERFORM EARTHWORK.
5. FINAL UTILITY ADJUSTMENTS SHALL BE PERFORMED.
6. CONSTRUCT TEMPORARY GRAVEL ACCESS ROAD CONNECTING WARD STREET TO WEST PIPER STREET.
7. CONSTRUCT CURB AND GUTTER AND PAVEMENT.
8. DRIVEWAYS AT STA. 322+78.5 AND 324+91.3 SHALL NOT BE CONSTRUCTED UNTIL STAGE 5 IS OPEN TO TRAFFIC AND TEMPORARY AGGREGATE BETWEEN DRIVEWAYS IS REMOVED.
9. ALL OTHER DRIVEWAY APRONS, SIDEWALK, AND OTHER ITEMS WITHIN LIMITS OF STAGE 5 CAN BE COMPLETED NOW OR IN STAGE 6.
10. REMOVE TEMPORARY DRIVEWAY ACCESS AFTER OPENING WARD STREET BACK UP TO TRAFFIC.

**TRAFFIC**

- A. CONSTRUCT IMPROVEMENTS FROM STA. 323+80 TO STA. 326+50 WHILE CLOSING THIS PORTION OF SOUTH WARD STREET TO ALL TRAFFIC. WARD STREET SHALL BE CLOSED TO THRU TRAFFIC FROM STA. 322+00 TO STA. 323+80. TWO-LANE, TWO-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED OUTSIDE THESE LIMITS.
- B. TEMPORARY GRAVEL ACCESS SHALL BE CONSTRUCTED PRIOR TO CLOSING THIS PORTION OF WARD STREET, CONNECTING DRIVES AT STA. 322+78.5 AND STA. 324+91.3. THIS WILL ALLOW OWNERS OF PROPERTY AT STA. 324+91.3 ACCESS TO WARD STREET SOUTH OF THE CONSTRUCTION LIMITS.
- C. TEMPORARY GRAVEL ACCESS SHALL BE CONSTRUCTED TO CONNECT WARD STREET TO WEST PIPER STREET SOUTH OF THE INTERSECTION. THIS TEMPORARY ACCESS SHALL BE LEFT IN PLACE THROUGH STAGE 5 TO PROVIDE ACCESS TO BUSINESSES ON WEST PIPER STREET WHILE INTERSECTION IMPROVEMENTS ARE BEING CONSTRUCTED.
- D. IMPLEMENT SPECIAL SIGN TABLE IN SPECIAL PROVISIONS.

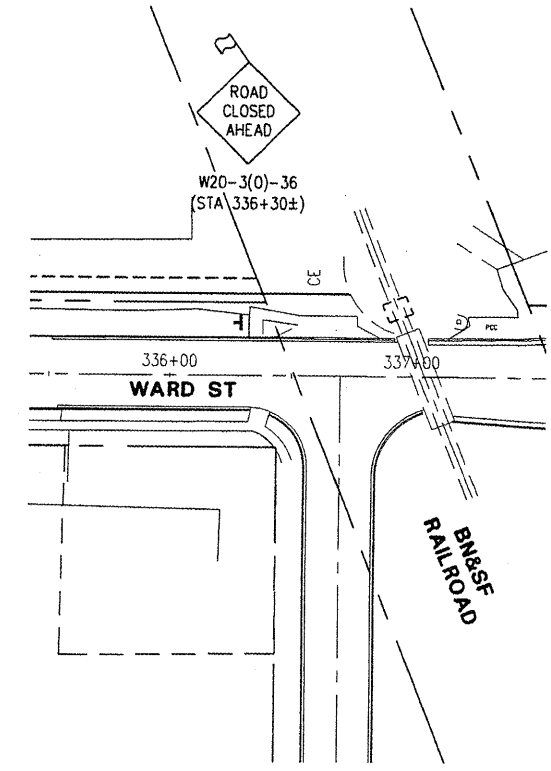
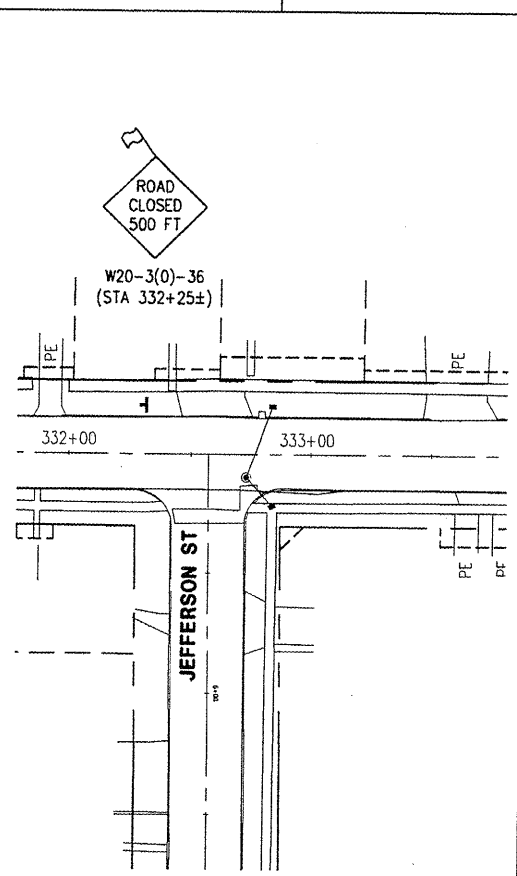
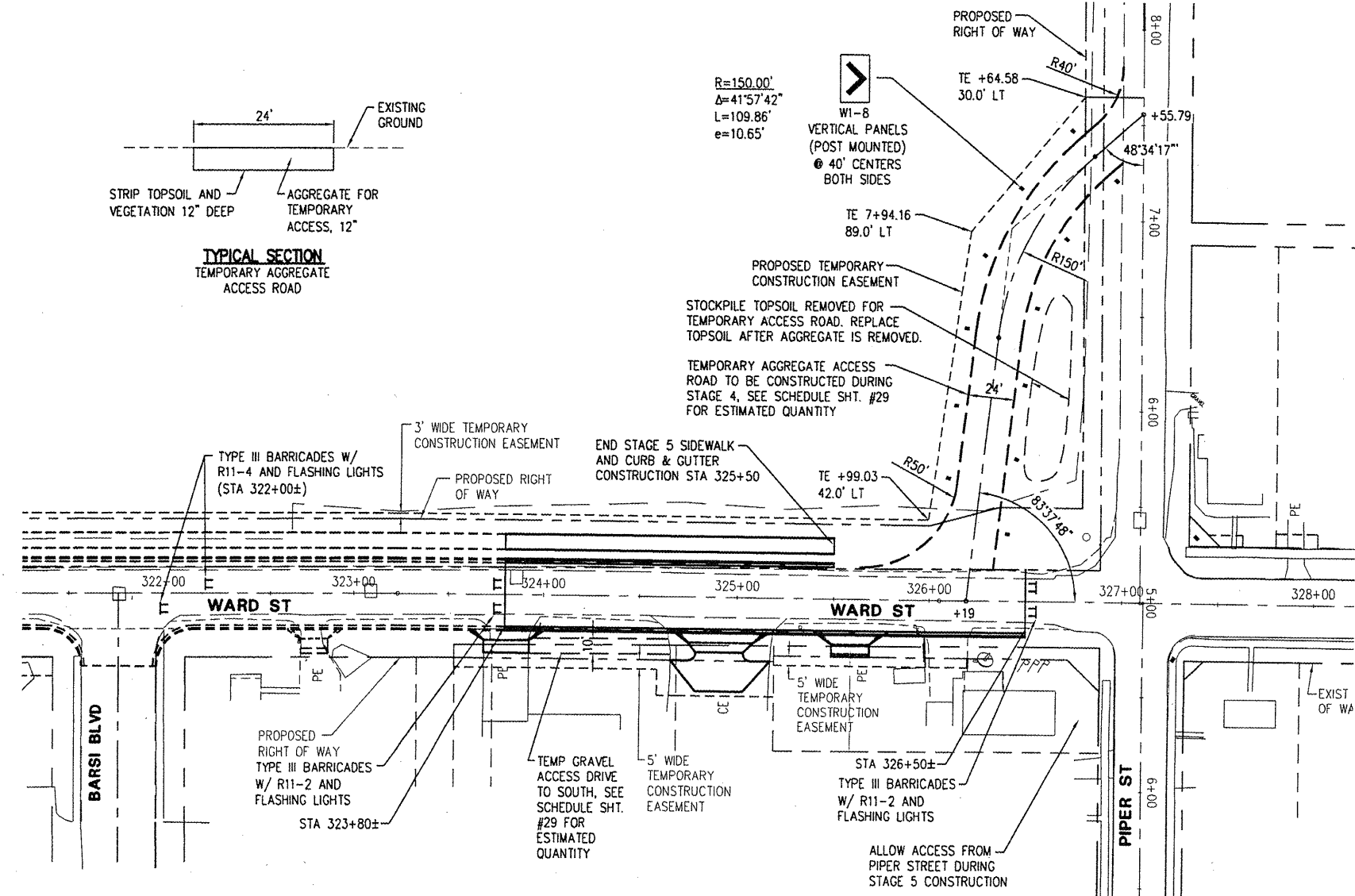
**STAGE 5**  
 STA 323+80 TO STA 326+50

SEE STAGE 4 FOR TYPICAL SIGN INSTALLATION TO THE EAST, WEST AND SOUTH OF WARD ST AND GRANT ST INTERSECTION



$R=150.00'$   
 $\Delta=41^{\circ}57'42''$   
 $L=109.86'$   
 $e=10.65'$

W1-8  
 VERTICAL PANELS  
 (POST MOUNTED)  
 @ 40' CENTERS  
 BOTH SIDES



PLOTTING SCALE: 1" = 40'

DRAWN BY:	JAH
CHECKED BY:	JAR
DATE:	OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CONSTRUCTION STAGING PLAN**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDST\WARD-ST-2007-STAGING  
 FIELD BOOK No: 2257 JOB NUMBER: 03-28-08-098  
 MACOMB, ILLINOIS

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 114 East Jackson Street  
 Macomb, IL 61455  
 Phone: 815-338-4809  
 Fax: 815-338-4809  
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PLOTTING SCALE: 1" = 40'

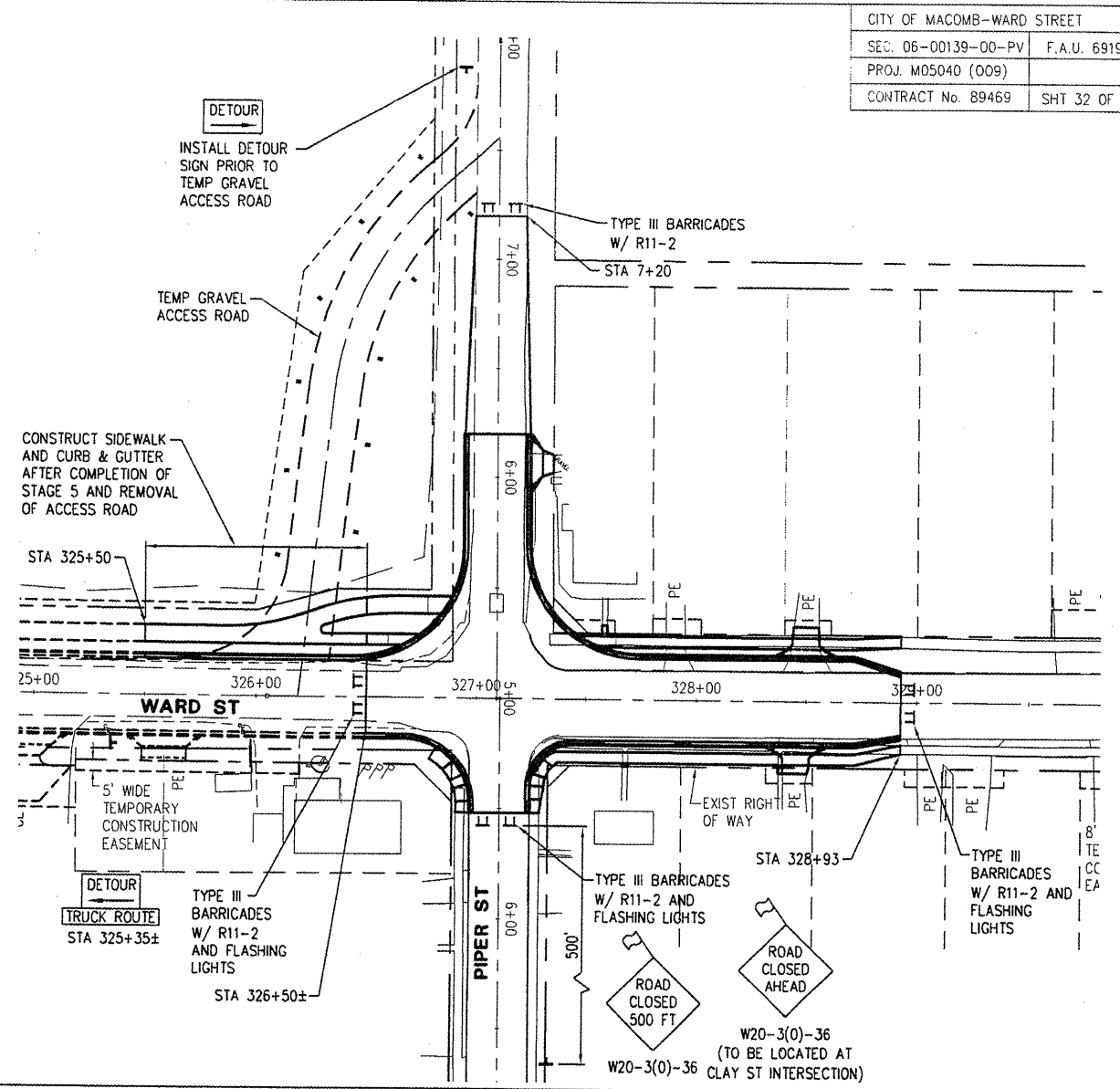
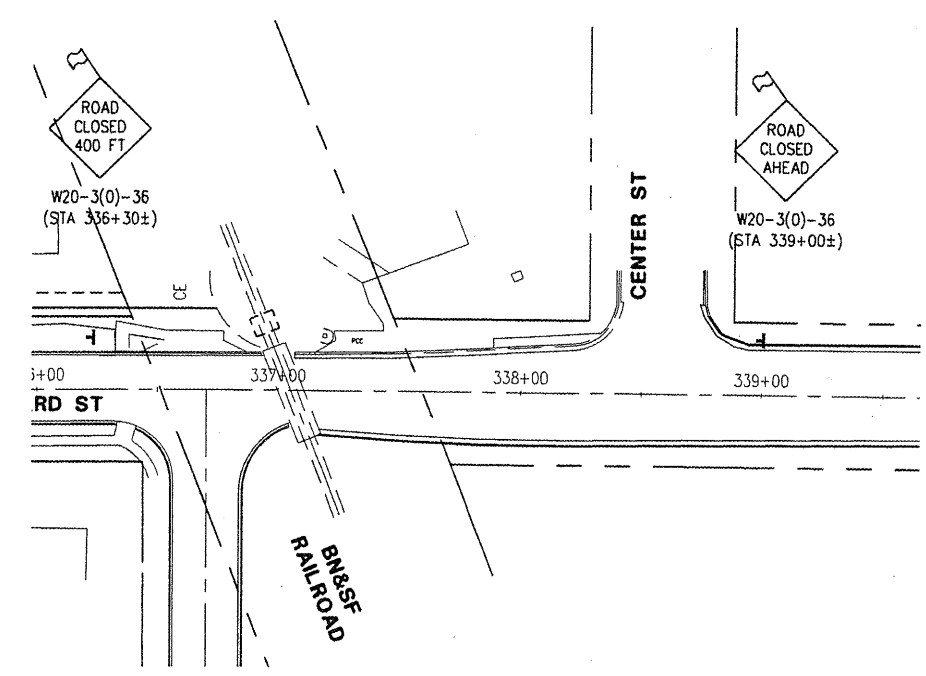
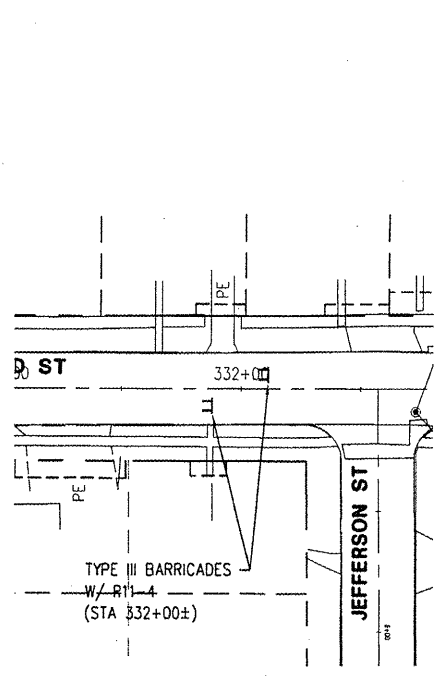
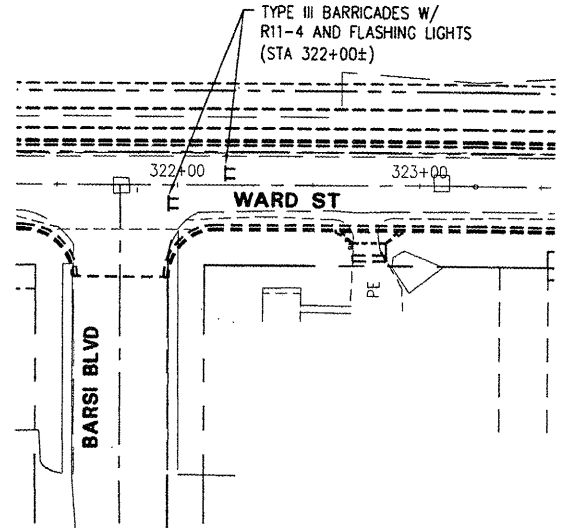
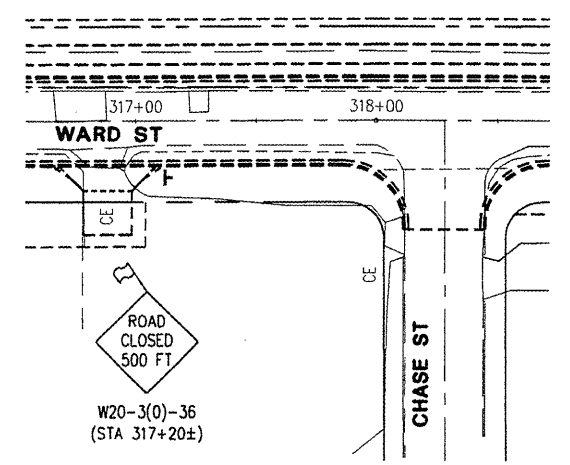
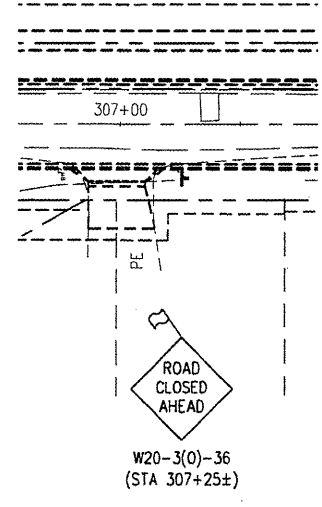
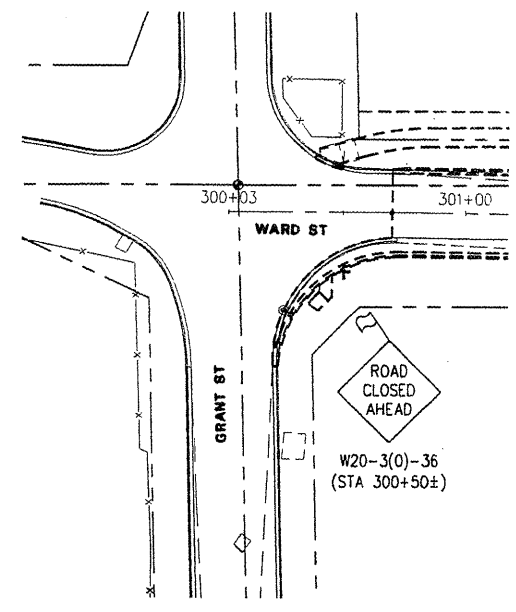
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DATE:	OCTOBER 2008

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS  
 CONSTRUCTION STAGING PLAN**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: MACOMB\WARD\ST-2007-STAGING  
 FIELD BOOK No. 2257 JOB NUMBER: 03-28-08-098  
 MACOMB, ILLINOIS

SEE STAGE 4 FOR TYPICAL SIGN INSTALLATION TO THE EAST, WEST AND SOUTH OF WARD ST AND GRANT ST INTERSECTION



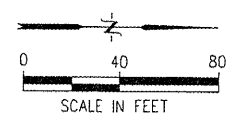
**STAGE 6**

**CONSTRUCTION**

1. REMOVE EXISTING PAVEMENT AND OTHER ITEMS INDICATED.
2. CONSTRUCT CROSSROAD AND LATERAL STORM SEWER.
3. PERFORM EARTHWORK.
4. FINAL UTILITY ADJUSTMENTS SHALL BE PERFORMED.
5. CONSTRUCT CURB AND GUTTER AND PAVEMENT.
6. DRIVEWAY APRONS, SIDEWALK, AND OTHER ITEMS CAN BE COMPLETED NOW OR AFTER STAGE 6 PAVEMENT IS OPEN TO TRAFFIC.
7. FOLLOWING REOPENING OF PIPER STREET INTERSECTION, REMOVE TEMPORARY GRAVEL ACCESS ROAD AND RESTORE SURFACE TO ORIGINAL CONDITION

**TRAFFIC**

- A. CONSTRUCT IMPROVEMENTS FROM STA. 326+50 TO STA. 328+93 WHILE CLOSING THIS PORTION OF WARD STREET AND THE PIPER STREET INTERSECTION TO ALL TRAFFIC. WARD STREET SHALL BE CLOSED TO THRU TRAFFIC FROM STA. 322+00 TO STA. 326+50 AND STA. 327+75 TO STA. 332+00. TWO-LANE, TWO-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED OUTSIDE OF THESE LIMITS.
- B. TRAFFIC TO BUSINESSES ON WEST PIPER STREET SHALL BE DIRECTED BY WAY OF THE TEMPORARY GRAVEL ACCESS ROAD COMPLETED IN STAGE 5.
- C. ACCESS TO THE PROPERTY AT THE NORTHWEST CORNER OF WARD AND PIPER WILL BE GAINED THROUGH THE ALLEY ADJACENT TO THE WEST EDGE OF THE PROPERTY. RESIDENTS OF THE PROPERTY AT 331 S. WARD STREET SHALL BE ALLOWED TO PARK ON THE STREET DURING THIS STAGE OF CONSTRUCTION.
- D. IMPLEMENT SPECIAL SIGN TABLE IN SPECIAL PROVISIONS.



**STAGE 6**  
 STA 326+50 TO STA 328+93



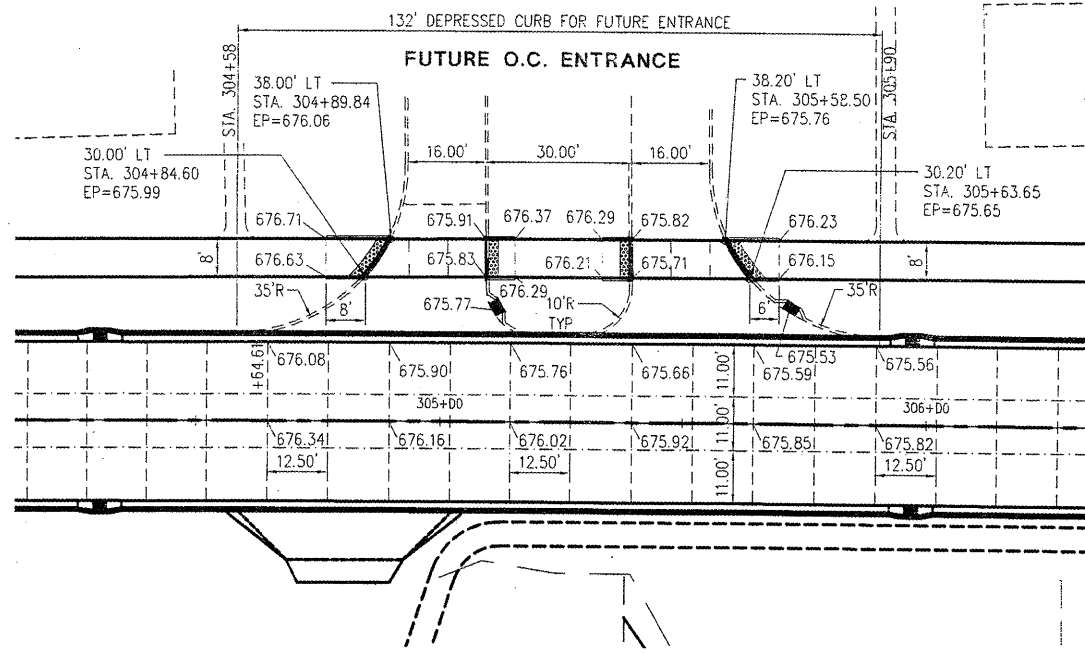
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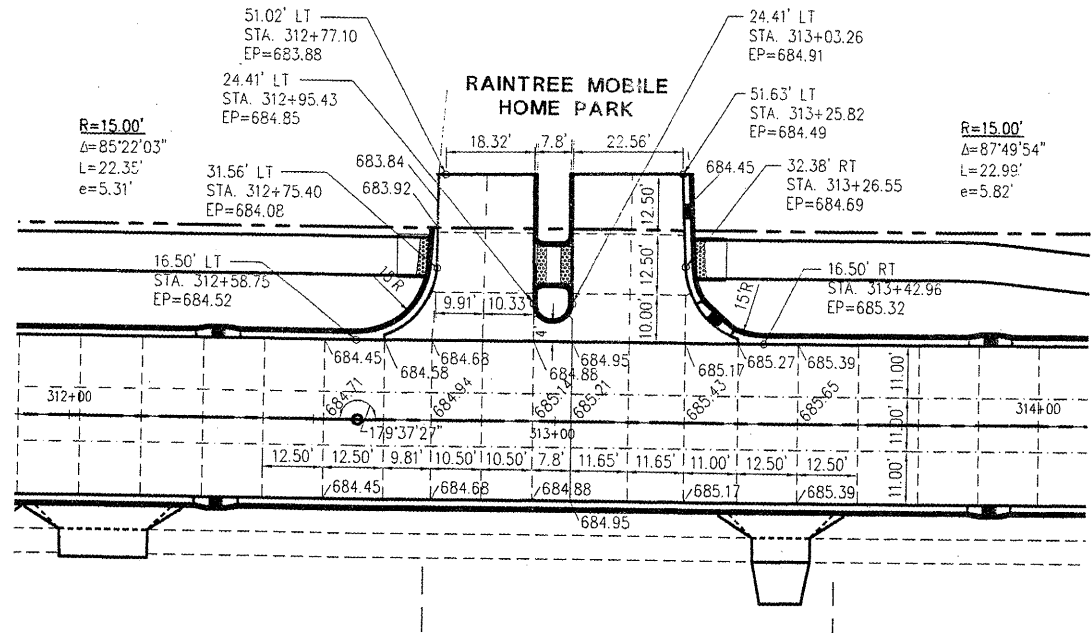
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS  
 INTERSECTION DETAILS  
 CITY OF MACOMB**

SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 03-28-09099



**FUTURE O.C. ENTRANCE INTERSECTION**

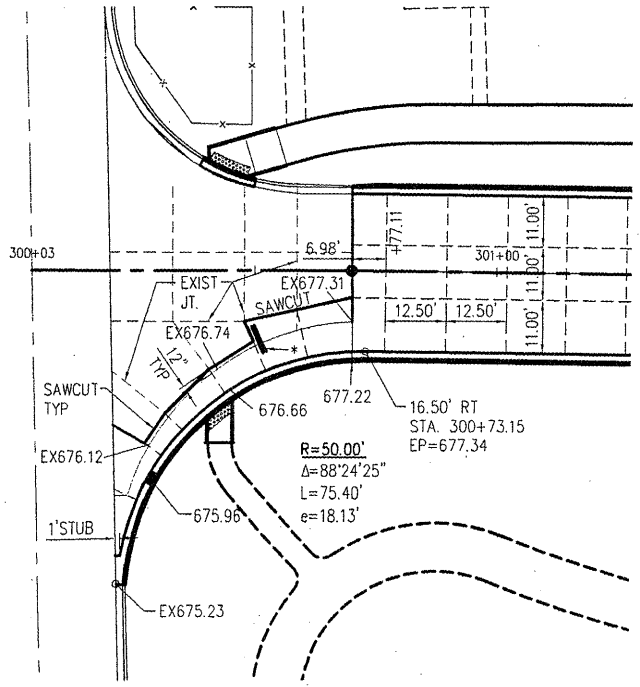


**RAINTREE M.H. PARK ENT. INTERSECTION**

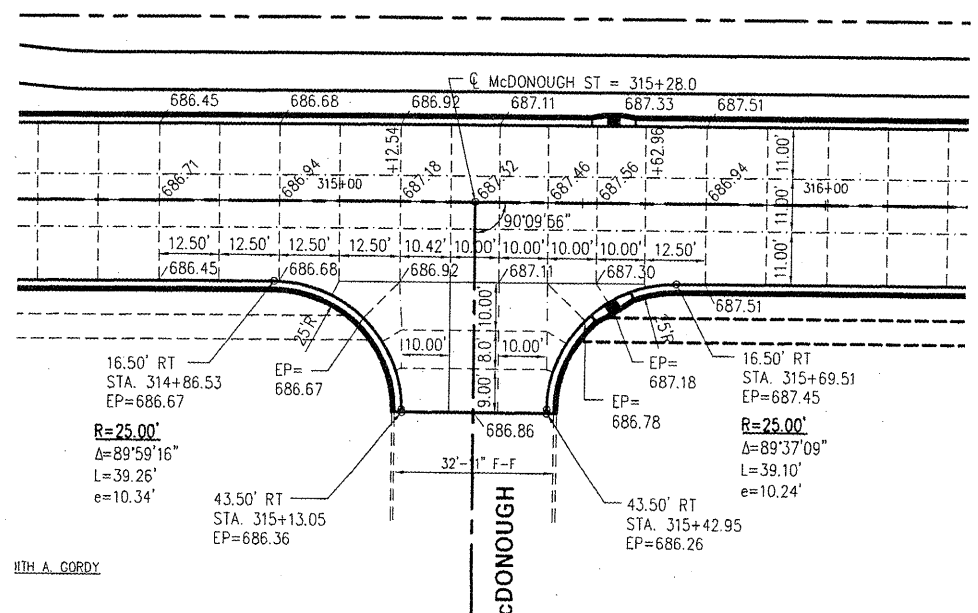
**PAVEMENT JOINT LEGEND**

- LONGITUDINAL SAWED JOINT OR LONGITUDINAL CONSTRUCTION JOINT (TIE BARS GROUDED IN PLACE)
- LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT (TIE BARS GROUDED IN PLACE)
- TRANSVERSE CONTRACTION JOINT

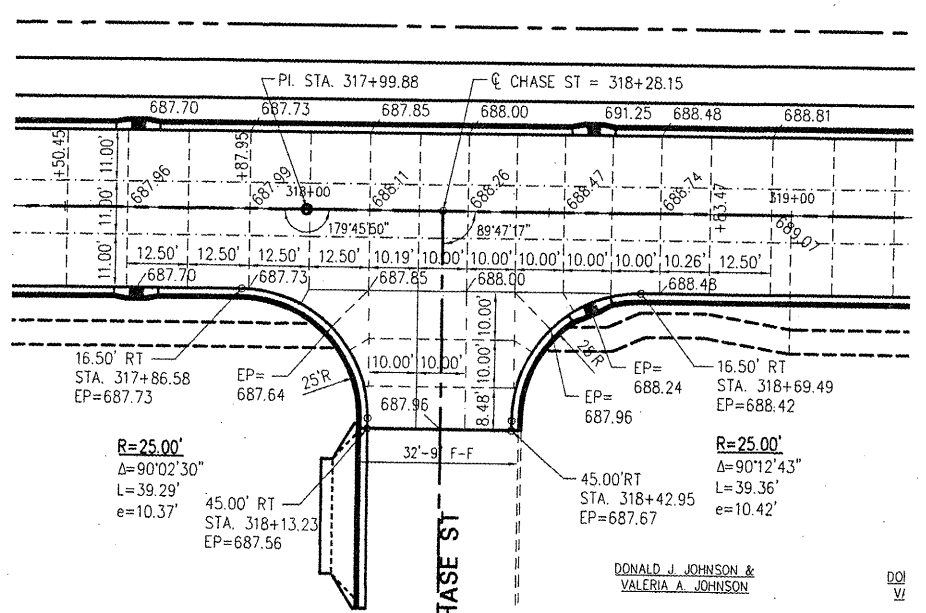
\* PLACE 2 EACH #6 BARS, 6'-0" LONG  
 CENTERED ACROSS JOINT PANEL ADJACENT  
 TO END OF SAWED OR CONSTRUCTION JOINT.  
 PLACE BARS WITH 2" CLEAR FROM TOP AND  
 BOTTOM OF PAVEMENT



**GRANT ST. INTERSECTION**



**McDONOUGH ST. INTERSECTION**



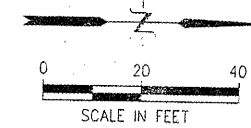
**CHASE ST. INTERSECTION**

DONALD J. JOHNSON &  
 VALERIA A. JOHNSON  
 D/J  
 V/J

**PAYEMENT JOINT LEGEND**

- LONGITUDINAL SAWED JOINT OR LONGITUDINAL CONSTRUCTION JOINT (TIE BARS GROUTED IN PLACE)
- - - LONGITUDINAL OR TRANVERSE CONSTRUCTION JOINT (TIE BARS GROUTED IN PLACE)
- - - TRANVERSE CONTRACTION JOINT

CITY OF MACOMB - WARD STREET	
SEC. 06-00139-00-PV	F.A.U. 6919
PROJ. M05040 (009)	
CONTRACT No. 89469	SHT 34 OF 59



SHEET NO.  
**34**  
of  
**59**

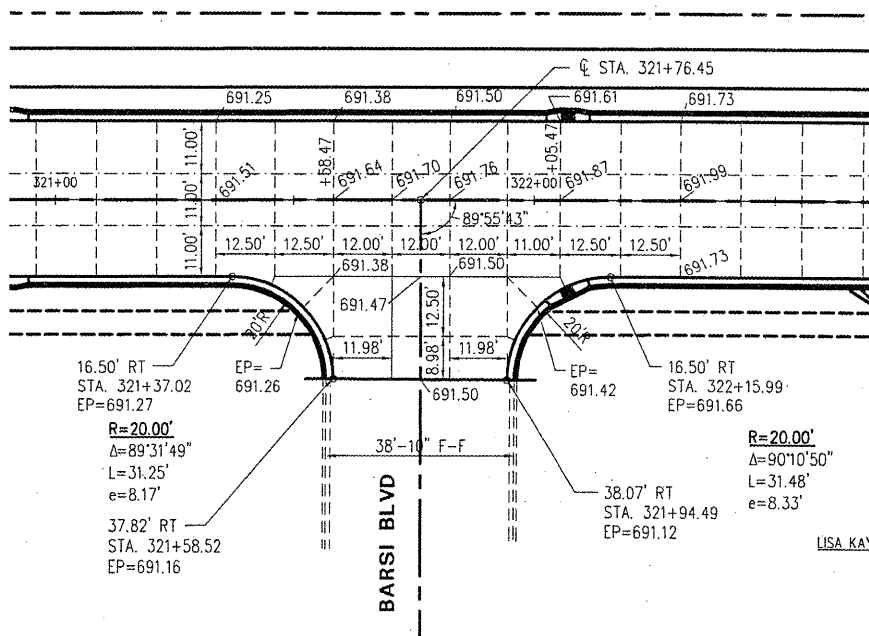
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CHECKED BY: JAR
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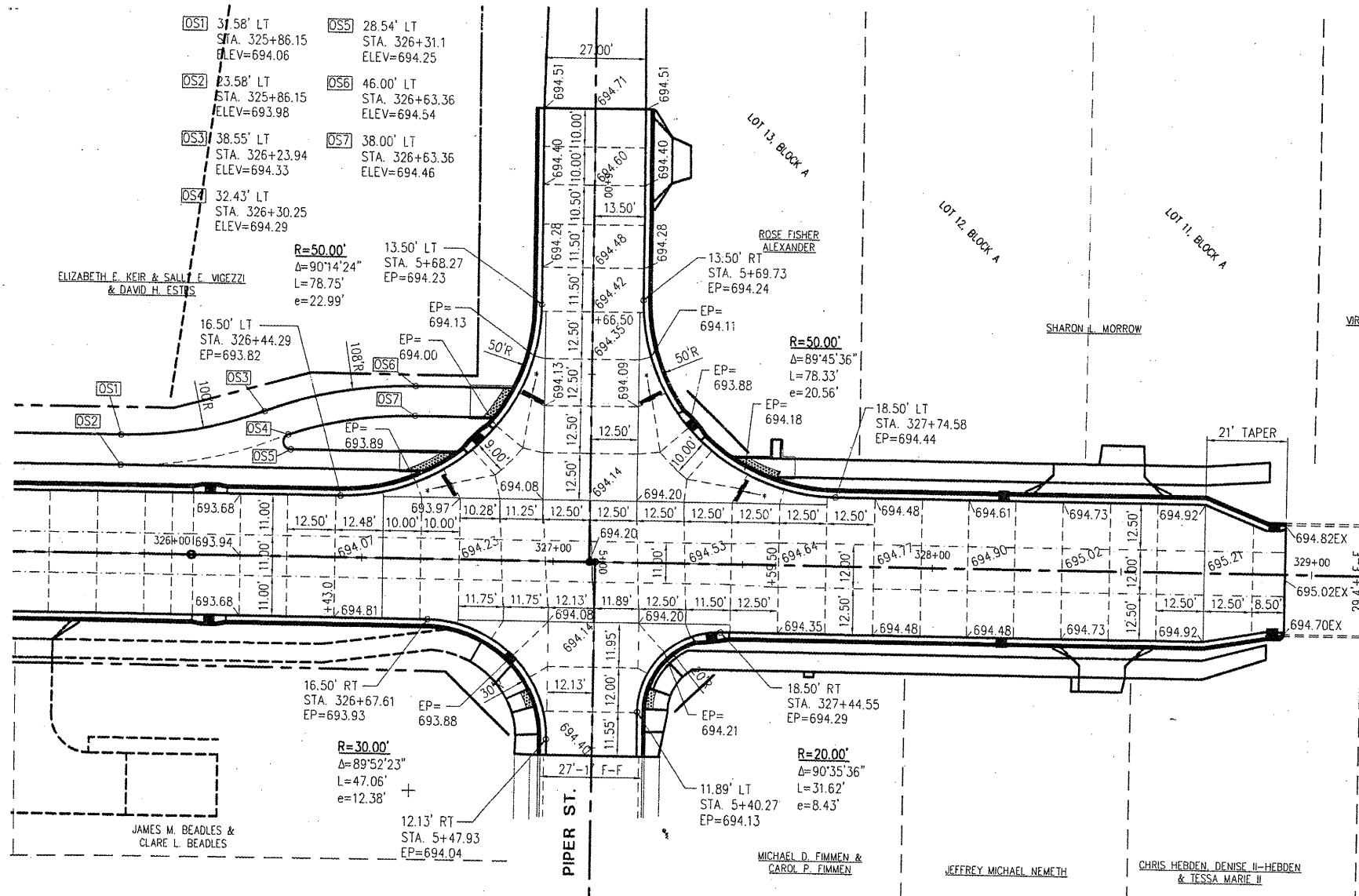
NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS**  
**INTERSECTION DETAILS**  
CITY OF MACOMB  
SOUTH WARD ST.  
FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No: 2227 JOB NUMBER: 01-28-08089

ELIZABETH F. KEIR & SALLY F. VICEZZI  
& DAVID H. ESTES



**BARS BLVD. INTERSECTION**



**PIPER ST. INTERSECTION**

\* PLACE 2 EACH #6 BARS, 6'-0" LONG  
CENTERED ACROSS JOINT PANEL ADJACENT  
TO END OF SAWED OR CONSTRUCTION JOINT.  
PLACE BARS WITH 2" CLEAR FROM TOP AND  
BOTTOM OF PAVEMENT

CITY OF MACOMB-WARD STREET	
SEC. 06-00:39-00-PV	F.A.U. 6919
PROJ. M05040 (009)	
CONTRACT No. 89469	SHT 35 OF 59

SHEET NO.  
**35**  
OF  
**59**

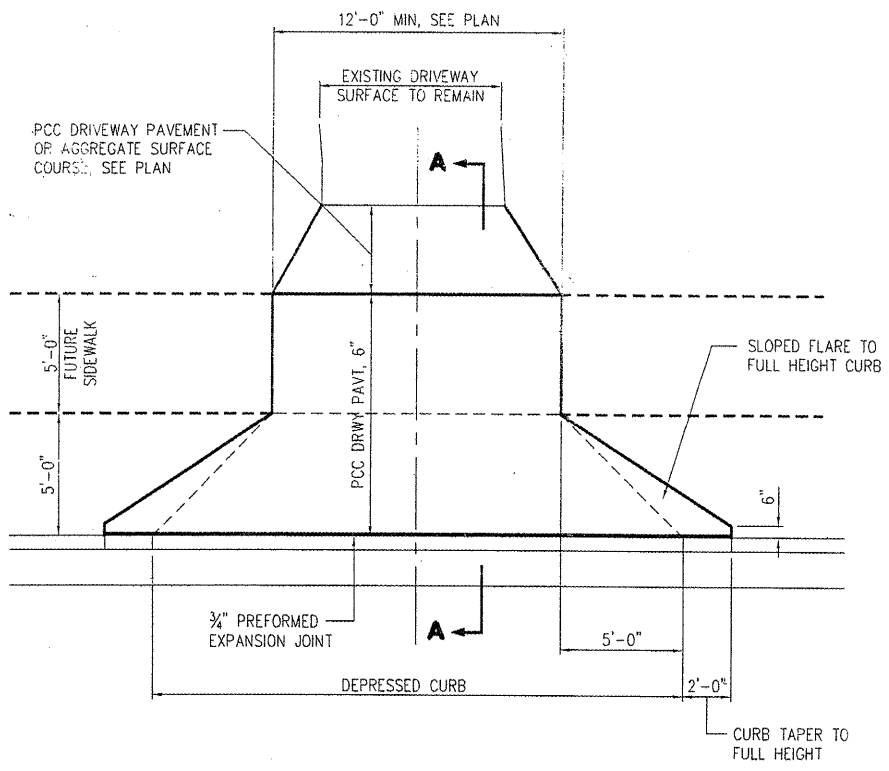
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DRAWN BY:	TAB
CHECKED BY:	JAR
DATE:	OCTOBER 2009

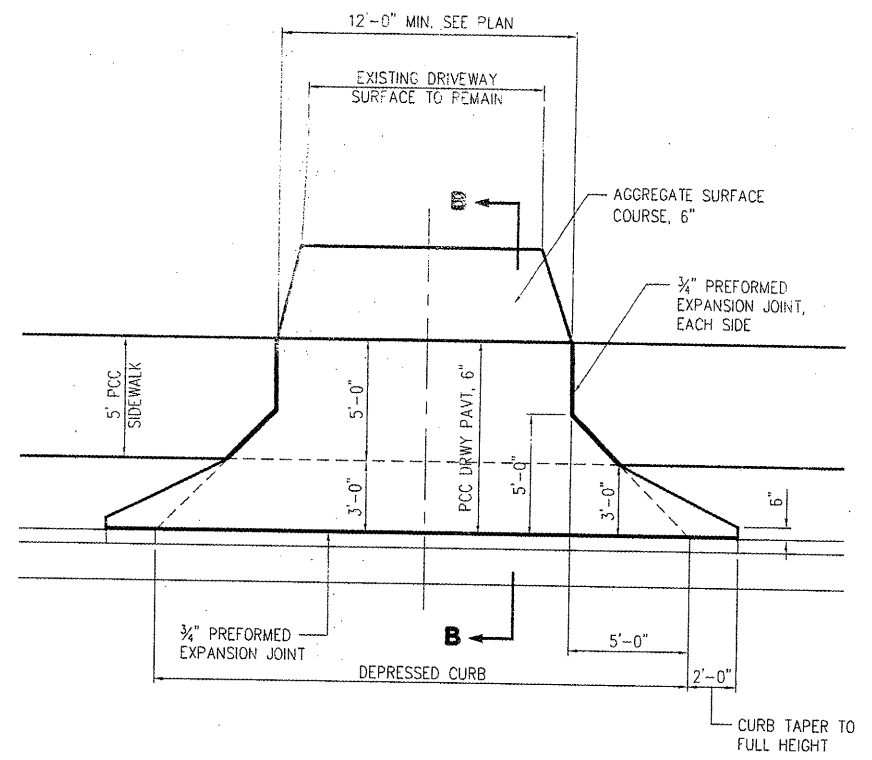
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS  
TYPICAL CONSTRUCTION DETAILS**  
CITY OF MACOMB

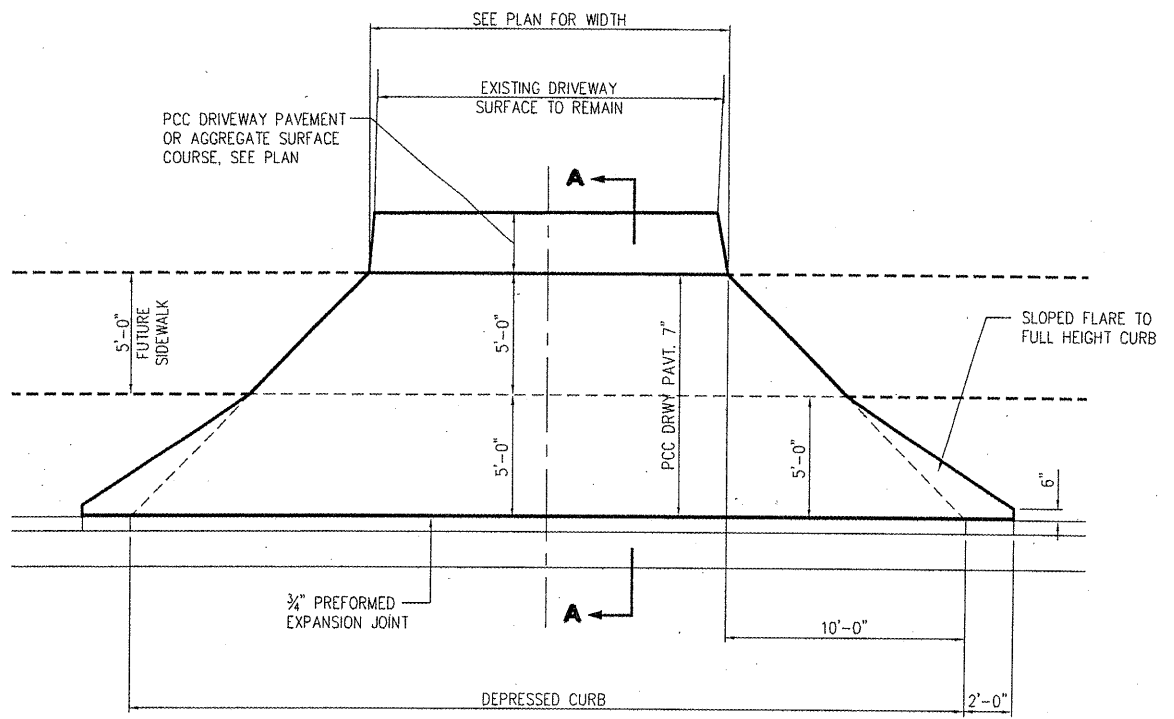
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MACOMB, ILLINOIS



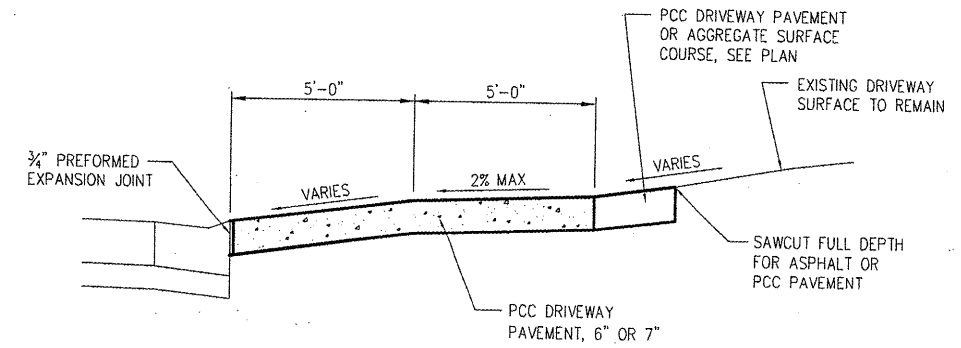
**PRIVATE ENTRANCE PLAN  
SOUTH OF PIPER STREET**



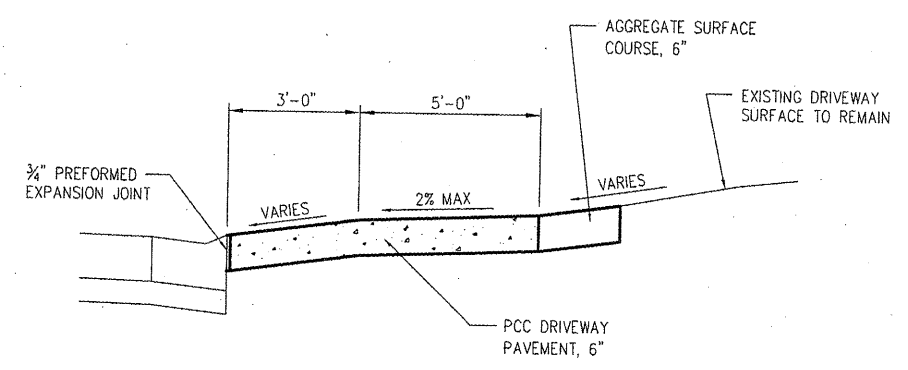
**PRIVATE ENTRANCE PLAN  
NORTH OF PIPER STREET**



**COMMERCIAL ENTRANCE PLAN**

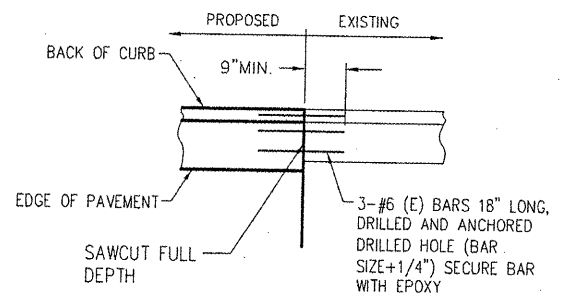


**SECTION A-A**

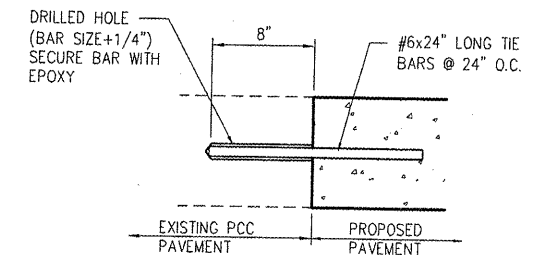


**SECTION B-B**

**NOTE:**  
JOINTS SHALL BE CONSTRUCTED  
IN ACCORDANCE WITH ARTICLE  
420.05 OF THE STANDARD  
SPECIFICATIONS

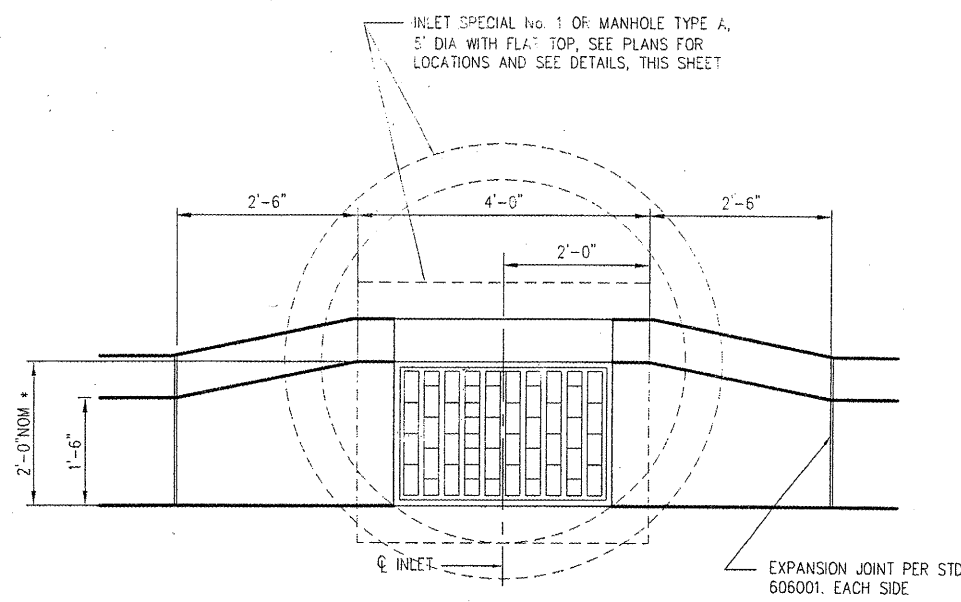


**CONNECTION TO EXISTING CURB & GUTTER**  
(THE BAR GROUTED IN PLACE)



**CONNECTION TO EXISTING PAVEMENT**  
(THE BAR GROUTED IN PLACE)

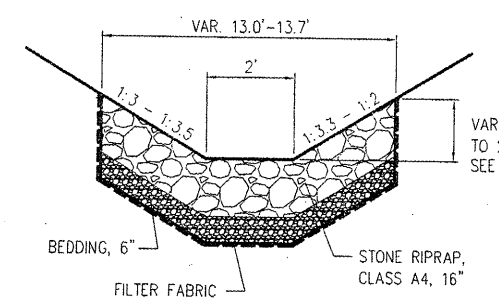
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 Macomb, Illinois 61455  
 714 East Jackson Street  
 (309) 833-4594 FAX (309) 837-4909  
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**NOTE:**  
 CURB TRANSITION TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS AND STANDARD 606001. CURB TRANSITION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE 66.18

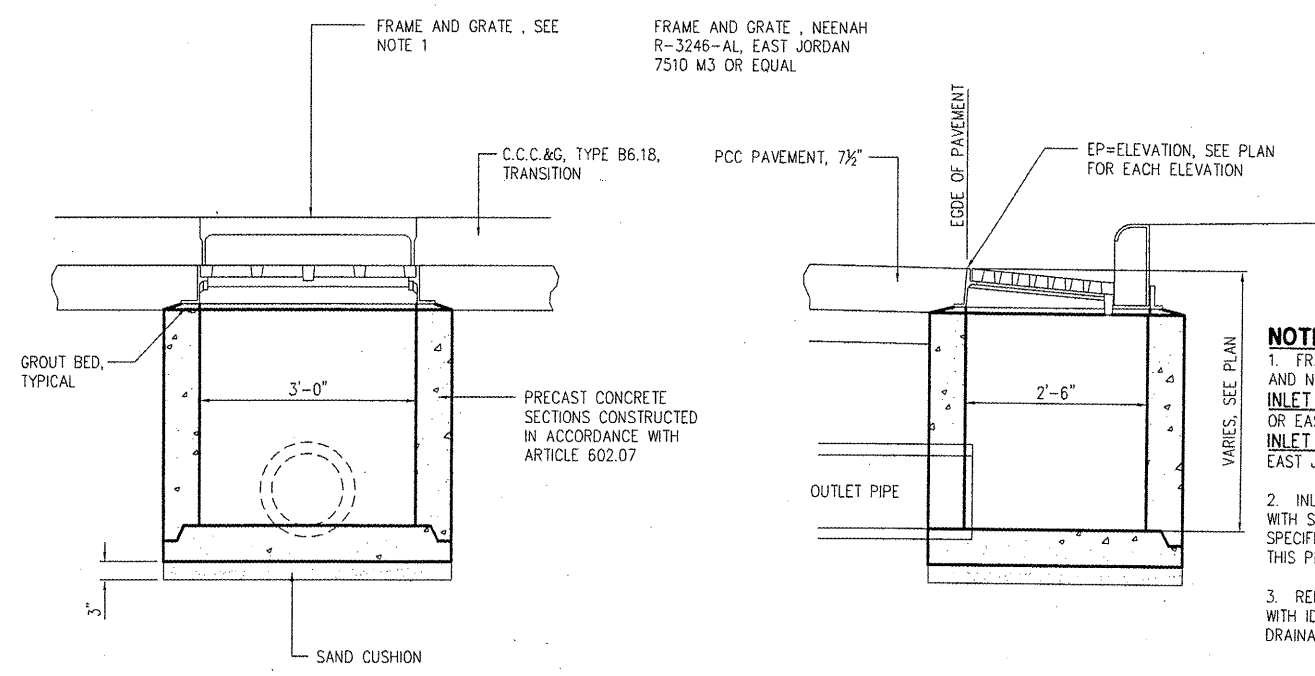
\* EXACT DISTANCE OF OFFSET DETERMINED BY FRAME DIMENSION

**CURB TRANSITION TO INLET**



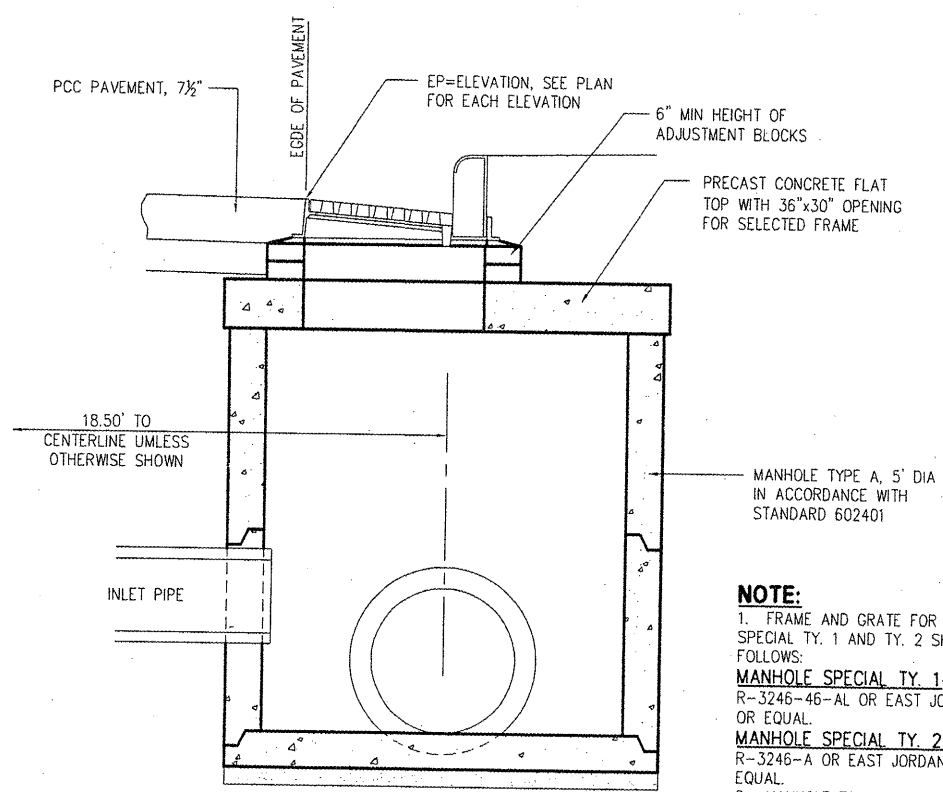
**NOTE:**  
 1. STONE RIPRAP SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH SECTION 281 AND FILTER FABRIC SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH SECTION 282 OF THE STANDARD SPECIFICATIONS  
 2. REFER TO CROSS SECTIONS FOR LIMITS OF PLACEMENT

**STONE RIPRAP DETAIL**



**NOTE:**  
 1. FRAME AND GRATE FOR INLETS SPECIAL No. 1 AND No. 2 SHALL BE AS FOLLOWS:  
**INLET SPECIAL No. 1** - NEENAH R-3246-46-AL OR EAST JORDAN 7510 M3 OR EQUAL.  
**INLET SPECIAL No. 2** - NEENAH R-3246-A OR EAST JORDAN 7510 M4 OR EQUAL.  
 2. INLET TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR THIS PROJECT.  
 3. REINFORCEMENT SHALL BE IN ACCORDANCE WITH IDOT STANDARD DRAWING 602101-02, DRAINAGE STRUCTURES TYPE 1, 2 & 3.

**INLET SPECIAL No. 1 OR No. 2  
 DETAIL**



**NOTE:**  
 1. FRAME AND GRATE FOR MANHOLES SPECIAL TY. 1 AND TY. 2 SHALL BE AS FOLLOWS:  
**MANHOLE SPECIAL TY. 1** - NEENAH R-3246-46-AL OR EAST JORDAN 7510 M3 OR EQUAL.  
**MANHOLE SPECIAL TY. 2** - NEENAH R-3246-A OR EAST JORDAN 7510 M4 OR EQUAL.  
 2. MANHOLE TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR THIS PROJECT.

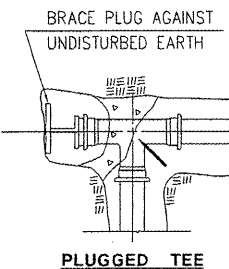
**MANHOLE SPECIAL TY. 1 OR TY. 2  
 DETAIL**

PLOTTING SCALE:	1" = 1'
DRAWN BY:	JAG
CHECKED BY:	JAR
DATE:	OCTOBER 2008

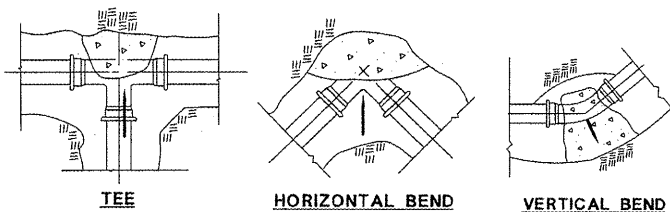
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS  
 TYPICAL CONSTRUCTION DETAILS**  
 CITY OF MACOMB  
 SOUTH WARD, ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\TYPICAL-SECTIONS FIELD BOOK No. 2257 JOB NUMBER: 05-26-00999  
 MACOMB, ILLINOIS

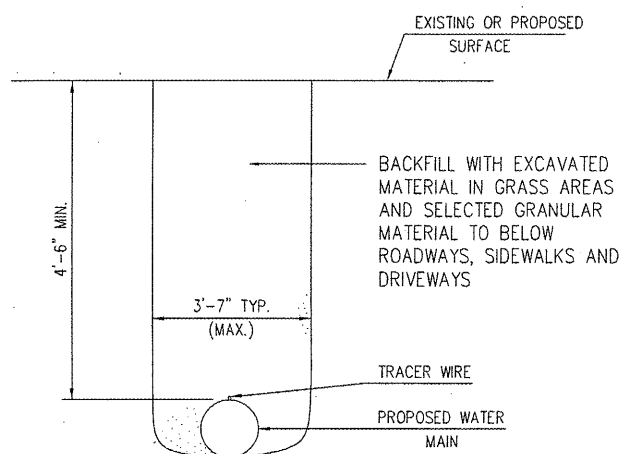
BLOCKING REQUIREMENTS				
MINIMUM SQUARE FOOT OF BEARING ON UNDISTURBED SOIL				
SIZE	TEES AND DEAD ENDS	90° BEND	45° BEND	22.5° BEND
6"	1.9 SF	2.7 SF	1.5 SF	0.8 SF
8"	3.3 SF	4.7 SF	2.6 SF	1.3 SF
12"	7.7 SF	10.9 SF	5.9 SF	3.0 SF



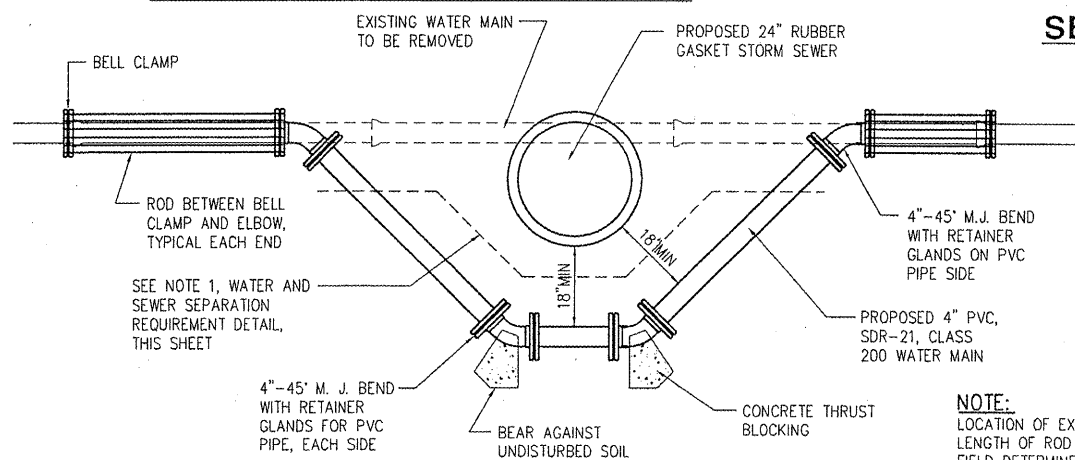
- NOTES:**
1. ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH
  2. ARROWS INDICATE DIRECTION OF THRUST
  3. ALL BLOCKS TO BE 3000 P.S.I. CONCRETE
  4. ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND



**TYPICAL BLOCKING DETAIL**

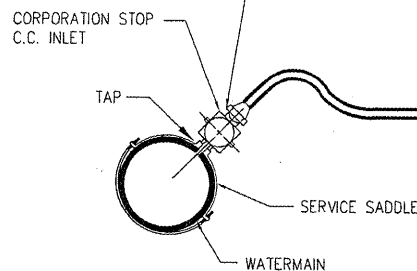


**WATER MAIN TRENCH DETAIL**

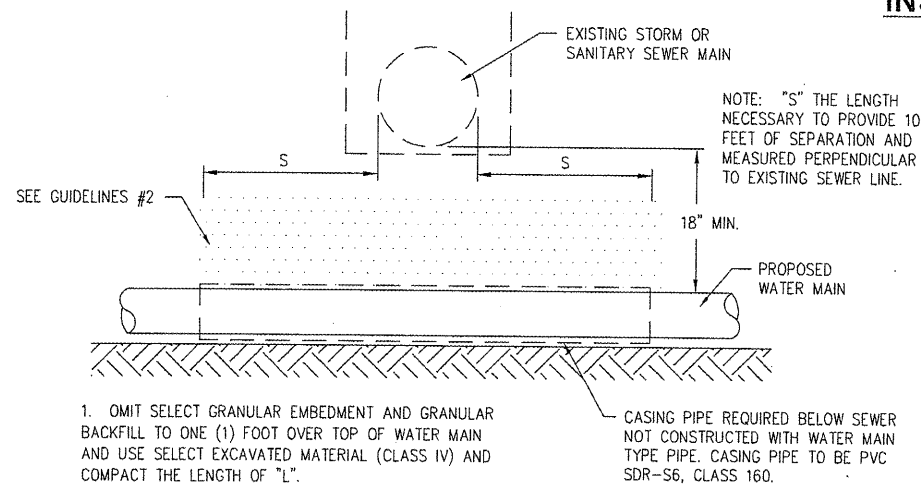


**WATER MAIN ADJUSTMENT DETAIL**

NEW SERVICE SADDLE, CORPORATION STOP AND CONNECTION TO EXISTING MAIN TO BE INCLUDED IN THE CONTRACT PRICE FOR WATER SERVICE CONNECTION



**TYPICAL WATER SERVICE INSTALLATION DETAIL**

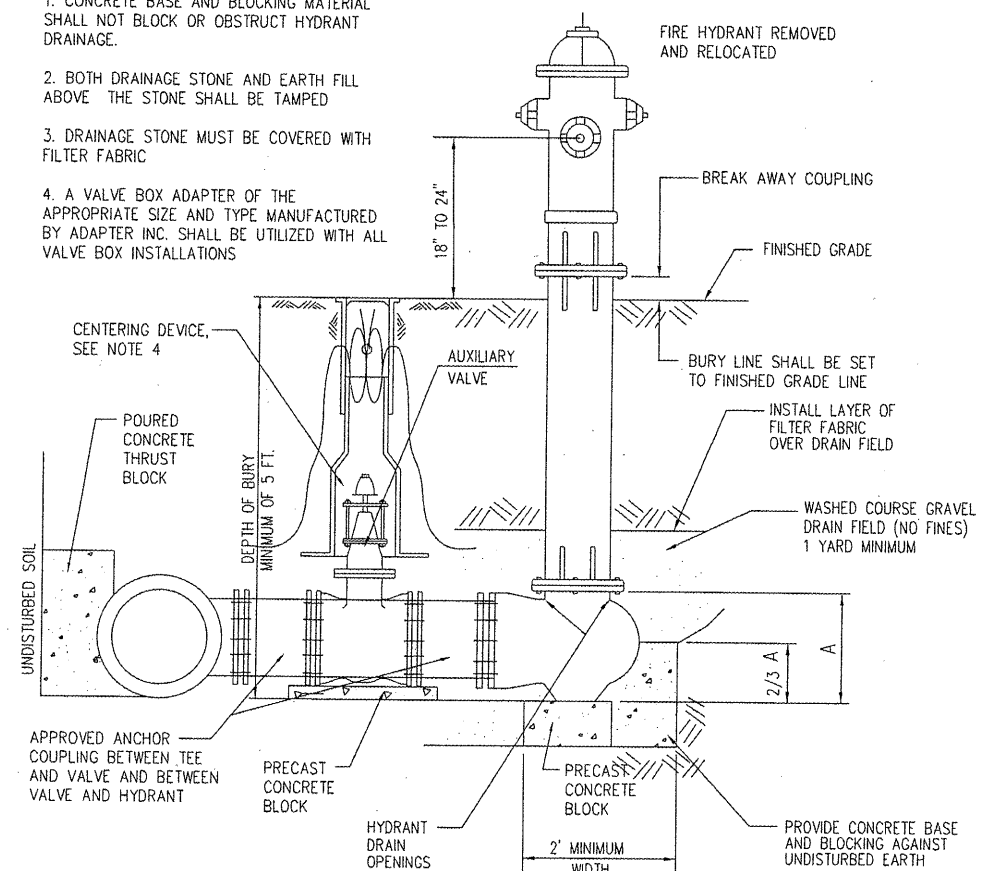


**WATER AND SEWER SEPARATION REQUIREMENTS**

NOT TO SCALE

**HYDRANT INSTALLATION NOTES:**

1. CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK OR OBSTRUCT HYDRANT DRAINAGE.
2. BOTH DRAINAGE STONE AND EARTH FILL ABOVE THE STONE SHALL BE TAMPED
3. DRAINAGE STONE MUST BE COVERED WITH FILTER FABRIC
4. A VALVE BOX ADAPTER OF THE APPROPRIATE SIZE AND TYPE MANUFACTURED BY ADAPTER INC. SHALL BE UTILIZED WITH ALL VALVE BOX INSTALLATIONS



**HYDRANT INSTALLATION DETAIL**

CITY OF MACOMB--WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 37 OF 59

SHEET NO.  
**37**  
 of **59**

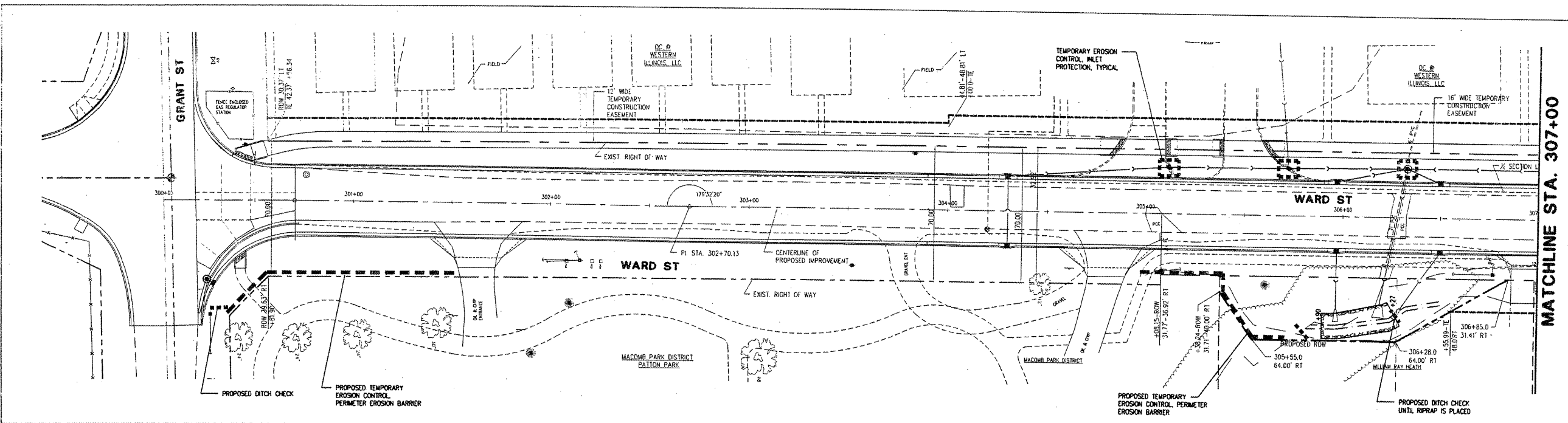
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PLOTTING SCALE: 1" = 1'  
 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: OCTOBER 2009

NO.	REVISIONS	DATE

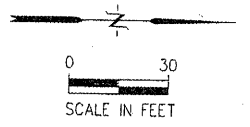
**WARD STREET IMPROVEMENTS**  
**TYPICAL WATER MAIN DETAILS**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\TYPICAL-SECTIONS FIELD BOOK No. 2257 JOB NUMBER: 03-28-08088



CITY OF MACOMB - WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 38 OF 58

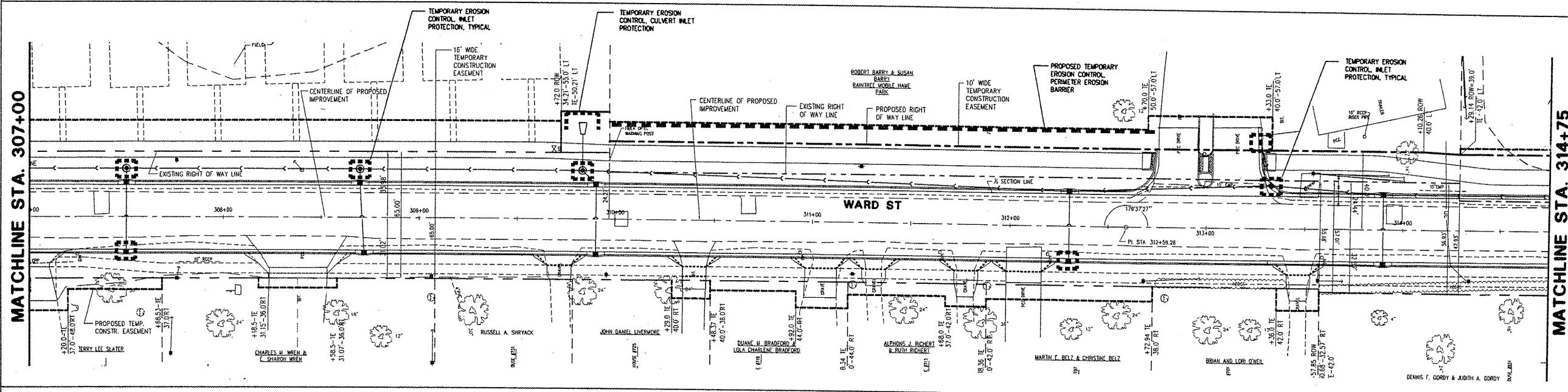
SHEET NO.  
**38**  
 of **59**



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 12091 E. Jackson Street  
 Macomb, Illinois 61455  
 Phone: 815-459-4594  
 Fax: 815-459-4594  
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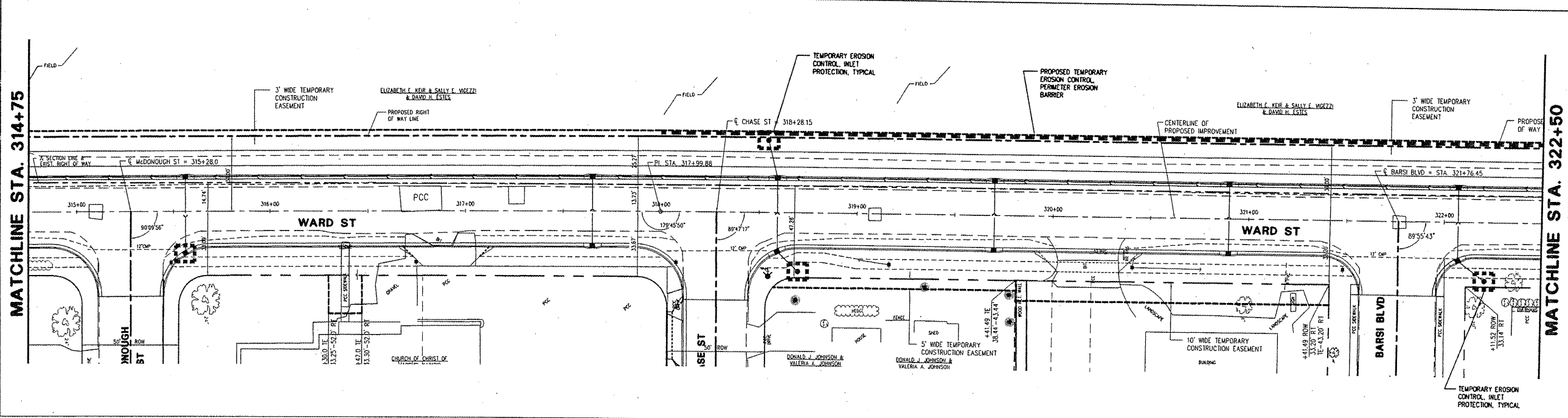
**PERIMETER EROSION BARRIER**

LOCATION	FOOT
RT 300+37 TO 301+50	125
RT 304+97 TO 305+70	95
RT 305+95 TO 312+70	275
LT 318+00 TO 322+50	450
LT 322+50 TO 326+80	430
RT 323+95 TO 324+65	70
RT 325+20 TO 325+96	80
PIPER - LT 5+50 TO 7+20	170
<b>TOTAL</b>	<b>1695</b>



**INLET AND PIPE PROTECTION**

LOCATION	EACH
LT STA. 305+11	1
LT STA. 305+72	1
LT STA. 306+21	1
LT STA. 307+50	1
RT STA. 307+50	1
LT STA. 308+50	1
LT STA. 309+82	1
LT STA. 309+82 (PIPER)	1
RT STA. 312+30	1
LT STA. 313+27	1
LT STA. 313+33	1
RT STA. 315+56	1
LT STA. 318+55	1
RT STA. 318+70	1
RT STA. 322+20	1
RT STA. 324+10	1
LT STA. 324+10	1
LT STA. 326+50	1
LT STA. 327+36	1
LT STA. 6+23 (PIPER)	1
RT STA. 6+28 (PIPER)	1
RT STA. 7+20 (PIPER)	1
<b>TOTAL</b>	<b>22</b>



**TEMPORARY DITCH CHECKS**

LOCATION	EACH
RT STA. 300+30	1
RT STA. 305+80	1
RT STA. 306+28	1
<b>TOTAL</b>	<b>3</b>

REVISIONS

NO.	REVISION	DATE

**WARD STREET IMPROVEMENTS  
 STORM WATER POLLUTION PREVENTION PLAN**  
 CITY OF MACOMB

FILE NAME: W:\DRAGINGS\MACOMB\WARDST\WARD-ST-2007 FIELD BOOK No. 2257 JOB NUMBER: 01-09-08098

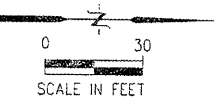
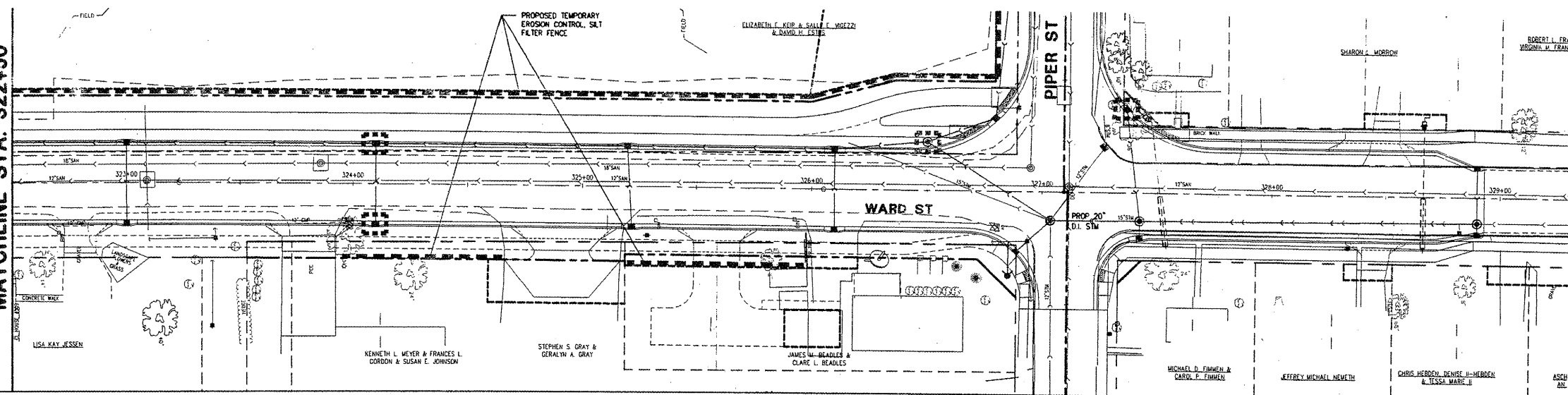
MATCHLINE STA. 307+00

MATCHLINE STA. 314+75

MATCHLINE STA. 314+75

MATCHLINE STA. 322+50

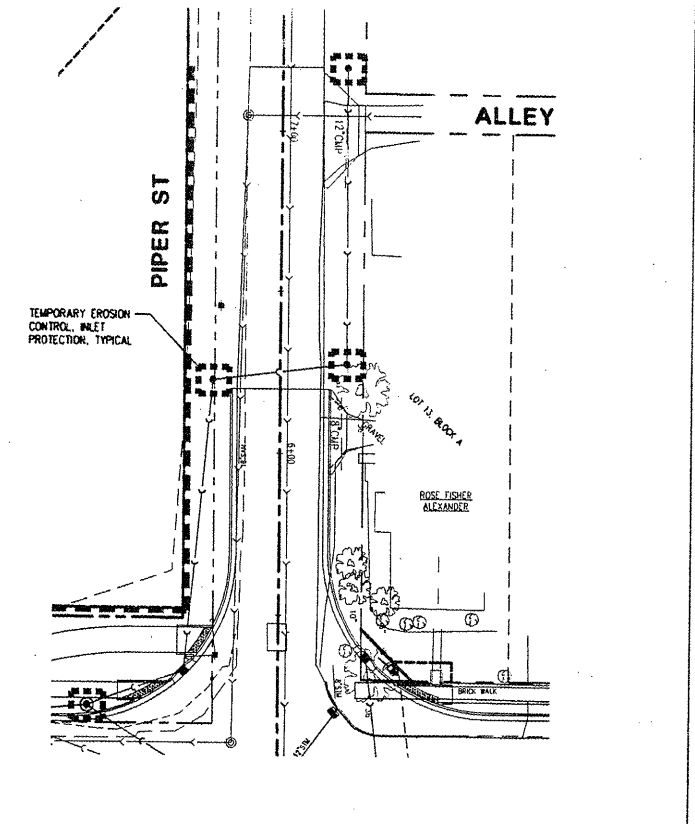
MATCHLINE STA. 322+50



CITY OF MACOMB-WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 39 OF 59

SHEET NO.  
**39**  
 of **59**

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**GENERAL NOTES**

- THE GENERAL CONTRACTOR SHALL IMPLEMENT AND MANAGE THE EROSION AND SEDIMENT CONTROL "BMP'S" BEFORE AND DURING CONSTRUCTION, AND ENSURE THAT THE PLAN WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE AND THE ENTIRE SITE HAS "FINAL STABILIZATION" APPROVAL.
- ALL EROSION AND "SEDIMENT" CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THE "SWPPP" MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION. IF SITE INSPECTIONS IDENTIFY "BMP'S" THAT ARE NOT OPERATING EFFECTIVELY, MAINTENANCE SHALL BE PERFORMED BEFORE THE NEXT ANTICIPATED STORM EVENT, OR AS NECESSARY TO MAINTAIN THE CONTINUED EFFECTIVENESS OF STORM WATER CONTROLS. IF MAINTENANCE PRIOR TO THE NEXT ANTICIPATED STORM EVENT IS IMPRACTICABLE, MAINTENANCE MUST BE SCHEDULED AND ACCOMPLISHED AS SOON AS POSSIBLE.
- CONTRACTOR SHALL INSPECT THE CONSTRUCTION CONTROL MEASURES AFTER EACH RAIN OF 0.5 INCHES OR MORE AND AT LEAST ONCE EACH WEEK AND MAKE NEEDED REPAIRS. A RECORD OF EACH INSPECTION SHALL BE MADE AND KEPT AT THE PROJECT SITE.
- PREPARATION OF THE STORMWATER POLLUTION PREVENTION PLAN ("SWPPP") MUST BE IN ACCORDANCE WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- THE CONTRACTOR SHALL AMEND THE "SWPPP" TO IMPROVE THE CONTROL OF DISCHARGES OF SEDIMENT AND OTHER MATERIALS WHENEVER THE SWPPP FAILS TO REDUCE THE IMPACTS OF POLLUTANTS CARRIED BY CONSTRUCTION SITE STORM WATER RUNOFF.
- IF THE EPA ENFORCEMENT OFFICE NOTIFIES THE PERMITEE THAT CHANGES ARE NEEDED TO THE "SWPPP", THE PERMITEE SHALL AMEND THE "SWPPP" TO IMPROVE THE CONTROL OF THE DISCHARGES OF SEDIMENT AND OTHER MATERIALS. THE PERMITEE SHALL SUBMIT, WITHIN THE DATE SPECIFIED IN THE NOTICE, AN AMENDED "SWPPP".
- THE FOLLOWING PLANS/RECORDS MUST BE MADE AVAILABLE TO FEDERAL, STATE, AND LOCAL OFFICIALS WITHIN 24 HOURS OF REQUEST FOR THE DURATION OF THE PERMIT:
  - STORM WATER POLLUTION PREVENTION PLAN
  - CONSTRUCTION PLAN
  - ALL INSPECTION REPORTS
  - ALL DOCUMENTS PERTINENT TO THE PERMIT
- DAMAGE CLAIMS: THE CONTRACTOR WILL HOLD THE OWNER HARMLESS FROM ANY AND ALL CLAIMS OF ANY TYPE WHATSOEVER RESULTING FROM DAMAGES TO ADJOINING PUBLIC OR PRIVATE PROPERTY, INCLUDING REASONABLE ATTORNEY FEES INCURRED TO OWNER. FURTHER IF THE CONTRACTOR FAILS TO TAKE NECESSARY STEPS TO PROMPTLY REMOVE EARTH SEDIMENTATION OR DEBRIS WHICH COMES ON TO ADJOINING PUBLIC OR PRIVATE PROPERTY, THE OWNER MAY, BUT NEED NOT, REMOVE SUCH ITEMS AND DEDUCT THE COST THEREOF FROM PAYMENTS DUE THE CONTRACTOR.
- UPON FINAL STABILIZATION OF THE DISTURBED AREA, A NOTICE OF DISCONTINUATION MUST BE FILED WITH THE ILLINOIS EPA. ALL PLANS, INSPECTION REPORTS AND OTHER DOCUMENTS MUST BE RETAINED FOR A PERIOD OF THREE YEARS AFTER THE PROJECT COMPLETION, THE CONTRACTOR SHALL RETAIN RECORD COPY AND PROVIDE ORIGINAL DOCUMENTS TO THE OWNER UPON ISSUANCE OF THE NOTICE OF DISCONTINUATION.
- ALL WRITTEN CORRESPONDENCE CONCERNING DISCHARGES FROM THE FACILITY COVERED UNDER THE PROJECT PERMIT SHALL BE DIRECTED TO THE APPROPRIATE STATE EPA OFFICE AT THE ADDRESS:  
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF WATER POLLUTION CONTROL  
 ATTN: PERMIT SECTION  
 P.O. BOX 19276  
 SPRINGFIELD, ILLINOIS, 62794-9276  
 A COPY OF THE WRITTEN CORRESPONDENCE MUST ALSO BE SENT TO THE LOCAL GOVERNMENT AGENCY, IF THE DISCHARGE WILL OCCUR, AT THE FOLLOWING ADDRESS:  
 OFFICE OF BUILDING AND ZONING C/O CITY HALL  
 232 EAST JACKSON ST  
 MACOMB, ILLINOIS 61455
- IF THERE IS EVIDENCE INDICATING THAT STORM WATER DISCHARGES AUTHORIZED BY THE PERMIT ARE CONTRIBUTING TO VIOLATIONS OF APPLICABLE WATER QUALITY STANDARDS, THE PERMIT MAY BE MODIFIED BY THE U.S. EPA TO INCLUDE DIFFERENT LIMITATIONS AND/OR REQUIREMENTS.
- NOTHING IN THE PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES TO WHICH THE PERMITEE IS OR MAY BE SUBJECT UNDER SECTION 311 OF THE CWA OR SECTION 106 OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA).
- THE ISSUANCE OF THE PERMIT DOES NOT CONVEY ANY PROPERTY RIGHTS OF ANY SORT, NOR ANY EXCLUSIVE PRIVILEGES, NOR AUTHORIZE ANY INJURY TO PRIVATE PROPERTY NOR ANY INVASION OF PERSONAL RIGHTS, NOR ANY INFRINGEMENT OF FEDERAL, STATE OR LOCAL LAWS OR REGULATIONS.
- THE PERMITEE SHALL AT ALL TIMES PROPERLY OPERATE AND MAINTAIN ALL FACILITIES AND SYSTEMS OF TREATMENT AND CONTROL (AND RELATED APPURTENANCES) WHICH ARE INSTALLED OR USED BY THE PERMITEE TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THE PERMIT AND WITH THE REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLANS. PROPER OPERATION AND MAINTENANCE ALSO INCLUDES ADEQUATE LABORATORY CONTROLS AND APPROPRIATE QUALITY ASSURANCE PROCEDURES. PROPER OPERATION AND MAINTENANCE REQUIRES THE OPERATION OF BACKUP OR AUXILIARY FACILITIES OR SIMILAR SYSTEMS INSTALLED BY A PERMIT ONLY WHEN NECESSARY TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THE PERMIT.
- THE PERMITEE SHALL ALLOW THE DIRECTOR OR AN AUTHORIZED REPRESENTATIVE OF THE U.S. EPA, THE STATE, OR IN THE CASE OF A CONSTRUCTION SITE WHICH DISCHARGES THROUGH A MUNICIPAL SEPARATE STORM SEWER, AN AUTHORIZED REPRESENTATIVE OF THE MUNICIPAL OWNER/OPERATOR OF THE SEPARATE STORM SEWER RECEIVING THE DISCHARGE, UPON THE PRESENTATION OF CREDENTIALS AND OTHER DOCUMENTS AS MAY BE REQUIRED BY LAW, TO:
  - ENTER UPON THE PERMITEE'S PREMISES WHERE A REGULATED FACILITY OR ACTIVITY IS LOCATED OR CONDUCTED OR WHERE RECORDS MUST BE KEPT UNDER THE CONDITIONS OF THE PERMIT.
  - HAVE ACCESS TO AND COPY AT REASONABLE TIMES, ANY RECORDS THAT MUST BE KEPT UNDER THE CONDITIONS OF THE PERMIT.
  - INSPECT AT REASONABLE TIMES ANY FACILITIES OR EQUIPMENT (INCLUDING MONITORING AND CONTROL EQUIPMENT).

**DEFINITIONS**

"BEST MANAGEMENT PRACTICES (BMP)" MEANS SCHEDULES OF ACTIVITIES, PROHIBITIONS, OF PRACTICES, MAINTENANCE PROCEDURES, AND OTHER MANAGEMENT PRACTICES TO PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO WATERS OF THE UNITED STATES. BMP'S ALSO INCLUDE TREATMENT REQUIREMENTS, OPERATING PROCEDURES, AND PRACTICE TO CONTROL SITE RUNOFF, SPILLAGE OR LEAKS, SLUDGE OR WASTE DISPOSAL, OR DRAINAGE FROM RAW MATERIAL STORAGE.

"COMMENCEMENT OF CONSTRUCTION ACTIVITIES" MEANS THE INITIAL DISTURBANCE OF SOILS ASSOCIATED WITH CLEARING, GRADING, OR EXCAVATING ACTIVITIES OR OTHER CONSTRUCTION ACTIVITIES.

"CWA" MEANS THE CLEAN WATER ACT OR THE FEDERAL WATER POLLUTION CONTROL ACT, 33 U.S.C. SECTION 1251 ET SEQ.

"DIRECTOR" MEANS THE REGIONAL ADMINISTRATOR OF THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY OR AN AUTHORIZED REPRESENTATIVE.

"DISCHARGE OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY" REFERS TO A DISCHARGE OF POLLUTANTS IN STORM WATER RUNOFF FROM AREAS WHERE SOIL DISTURBING ACTIVITIES (E.G., CLEARING, GRADING, OR EXCAVATING).

"EXPOSED SOIL AREAS" REFERS TO ALL AREAS OF THE CONSTRUCTION SITE WHERE THE PERENNIAL VEGETATION (INCLUDING TREES, SHRUBS, AND BRUSH) HAS BEEN REMOVED.

"FINAL STABILIZATION" REQUIRES EITHER:  
 ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND A UNIFORM (E.G., EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS, THE USE OF RIPRAP, GABIONS, OR GEOTEXTILES) HAVE BEEN EMPLOYED. IN SUCH PARTS OF THE COUNTRY, BACKGROUND NATIVE VEGETATION WILL COVER LESS THAN 100% OF THE GROUND (E.G., ARID AREAS, BEACHES). ESTABLISHING AT LEAST 70% OF THE NATURAL COVER OF THE NATIVE VEGETATION MEETS THE VEGETATIVE COVER CRITERIA FOR FINAL STABILIZATION (E.G., IF THE NATIVE VEGETATION COVERS 50% OF THE GROUND, 70% OF 50% WOULD REQUIRE 35% TOTAL COVER FOR FINAL STABILIZATION.  
 FOR CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL PURPOSES (E.G., PIPELINES ACROSS CROP LAND), FINAL STABILIZATION MAY BE ACCOMPLISHED BY RETURNING THE DISTURBED LAND TO ITS PRECONSTRUCTION AGRICULTURAL USE. AREAS DISTURBED THAT WERE NOT PREVIOUSLY USED FOR AGRICULTURAL ACTIVITIES, SUCH AS BUFFER STRIPS IMMEDIATELY ADJACENT TO "WATER OF THE UNITED STATES," AND AREAS WHICH ARE NOT BEING RETURNED TO THEIR PRECONSTRUCTION AGRICULTURAL USE MUST MEET THE FINAL STABILIZATION CRITERIA ABOVE.

"IMPERVIOUS SURFACE" MEANS A CONSTRUCTED HARD SURFACE THAT EITHER PREVENTS OR RETARDS THE ENTRY OF WATER INTO THE SOIL AND CAUSES WATER TO RUN OFF THE SURFACE IN GREATER QUANTITIES AND AT AN INCREASED RATE OF FLOW THAN PRIOR TO DEVELOPMENT. EXAMPLES INCLUDE ROOFTOPS, SIDEWALKS, PATIOS, DRIVEWAYS, PARKING LOTS, STORAGE AREAS, AND CONCRETE, ASPHALT OR GRAVEL ROADS.

"PERMANENT STABILIZATION" REFERS TO THE ESTABLISHMENT OF PERMANENT VEGETATIVE OR NON-VEGETATIVE COVER.

"POLLUTANT" IS DEFINED IN THE CODE OF FEDERAL REGULATIONS AT 40 C.F.R. 122.2. A PARTIAL LISTING FROM THIS DEFINITION INCLUDES: DREDGED SPOIL, SOLID WASTE, SEWAGE, GARBAGE, SEWAGE SLUDGE, CHEMICAL WASTES, BIOLOGICAL MATERIALS, HEAT WRECKED OR DISCARDED EQUIPMENT, ROCK, SAND, CELLAR DIRT, AND INDUSTRIAL OR MUNICIPAL WASTE.

"SEDIMENT" MEANS THE PRODUCT OF AN EROSION PROCESS; SOLID MATERIAL BOTH MINERAL AND ORGANIC, THAT IS IN SUSPENSION, IS BEING TRANSPORTED, OR HAS BEEN MOVED BY WATER, AIR OR ICE, AND HAS COME TO REST ON THE EARTH'S SURFACE EITHER ABOVE OR BELOW WATER LEVEL.

"STORM WATER" REFERS TO STORM WATER RUNOFF, SNOW MELT RUNOFF, AND SURFACE RUNOFF AND DRAINAGE.

"TEMPORARY STABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER AS AN INTERIM MEASURE TO PREVENT EROSION DURING THE PERIOD BEFORE PERMANENT STABILIZATION CAN BE ACCOMPLISHED, OR DURING PERIODS PRIOR TO FINAL GRADING.

**EROSION CONTROLS SCHEDULE**

- IN AN EFFORT TO LIMIT SOIL EROSION AND STORM WATER POLLUTANTS FROM DISCHARGING TO PUBLIC WATERS, THE FOLLOWING ITEMS OF GRADING ACTIVITY AND TEMPORARY SEDIMENT CONTROL MEASURES ARE REQUIRED:
- PRIOR TO THE "COMMENCEMENT OF CONSTRUCTION", "BMP'S" SHALL BE IN PLACE TO EFFECTIVELY PREVENT OR REDUCE THE "DISCHARGE OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY" IN AN EFFORT TO REMOVE "SEDIMENTS" OR "POLLUTANTS" FROM "STORM WATER" WITH THE FOLLOWING MEANS:
  - ALL "EXPOSED SOIL AREAS" LEFT INACTIVE FOR 14 OR MORE DAYS SHALL BE "TEMPORARILY STABILIZED" BY SEEDING, SODDING, MULCHING, COVERING, OR OTHER APPROVED METHOD. SEEDING AND SODDING MAY ONLY BE USED FROM MAY 1 TO SEPTEMBER 15 OF ANY YEAR.
  - SILT FENCE AND HAY BALES ARE TEMPORARY EROSION CONTROL ITEMS. SLOPE REINFORCEMENT MAT SHALL BE CONSIDERED A PERMANENT EROSION CONTROL ITEM. TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED BY THE CONTRACTOR AT THE END OF CONSTRUCTION.
  - ALL TOPSOIL, EXCAVATED MATERIAL, SILT, AND TEMPORARY EROSION CONTROL ITEMS REMOVED FROM THE SITE SHALL BECOME THE PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF APPROPRIATELY.
  - ALL UNPAVED AREAS DISTURBED BY GRADING SHALL RECEIVE "FINAL STABILIZATION" TO THE SPECIFICATIONS. ACCEPTANCE AND GUARANTEE SHALL BE PER SPECIFICATIONS.
  - REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE WAYS RESULTING FROM CONSTRUCTION.
  - EROSION CONTROL SYSTEM TO BE MAINTAINED BY CONTRACTOR THROUGH THE COURSE OF THE PROJECT AND SHALL BE MODIFIED AND RELOCATED AS CONSTRUCTION OPERATIONS REQUIRE.
  - UPON COMPLETION OF CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL CLEAN STORM SEWER SYSTEM AND PIPE CULVERTS OF DEBRIS AND SILT.
  - CONSTRUCT SEEDING AND MULCH ON ALL INTERIOR SLOPES WITHIN DETENTION BASINS, EXCEPT BELOW WATER LEVEL IN NORTH BASIN.
  - PLACE INLET PROTECTION AROUND ALL CURB INLETS.
  - FOR AS LONG AS POSSIBLE DURING CONSTRUCTION, THE CONTRACTOR MAY UTILIZE THE EXISTING DRY DAMS AND TILE INLETS TO AID IN THE MITIGATION OF SITE EROSION.

REVISIONS

NO.	DATE	ITEM

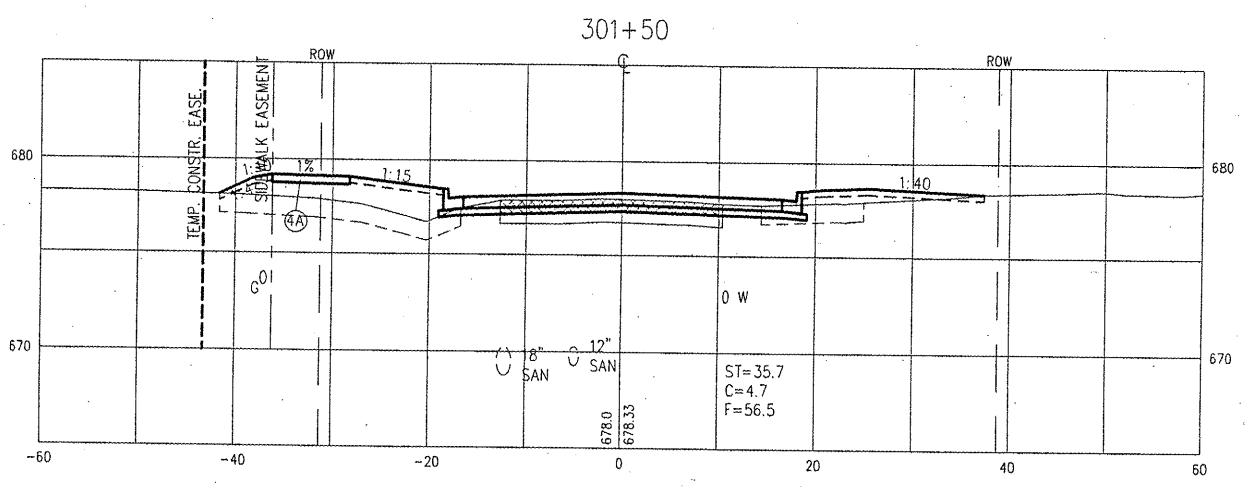
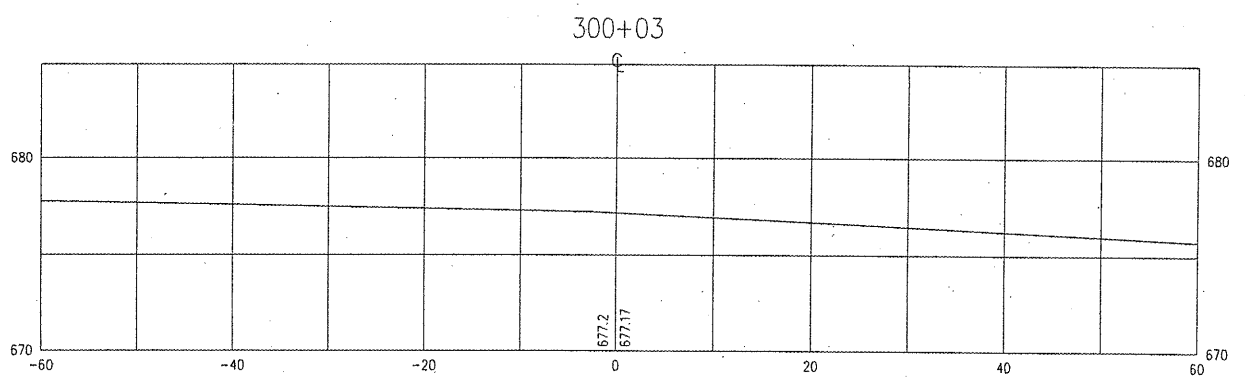
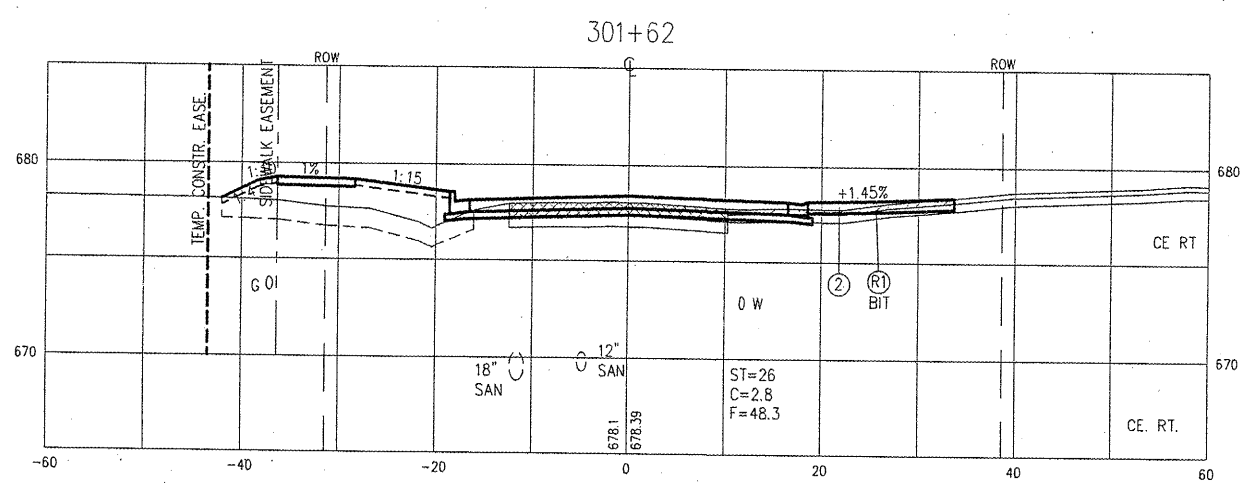
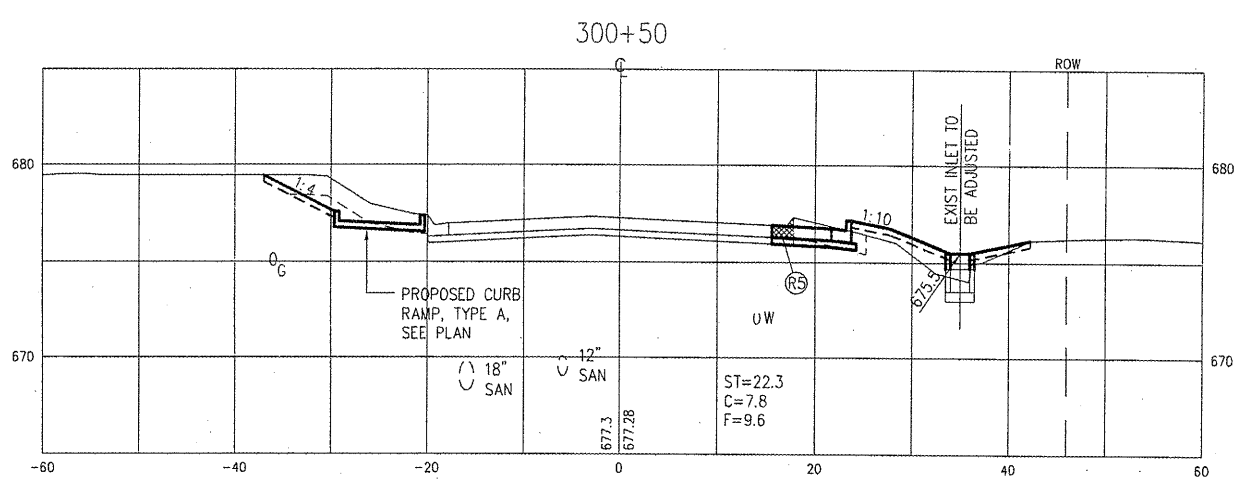
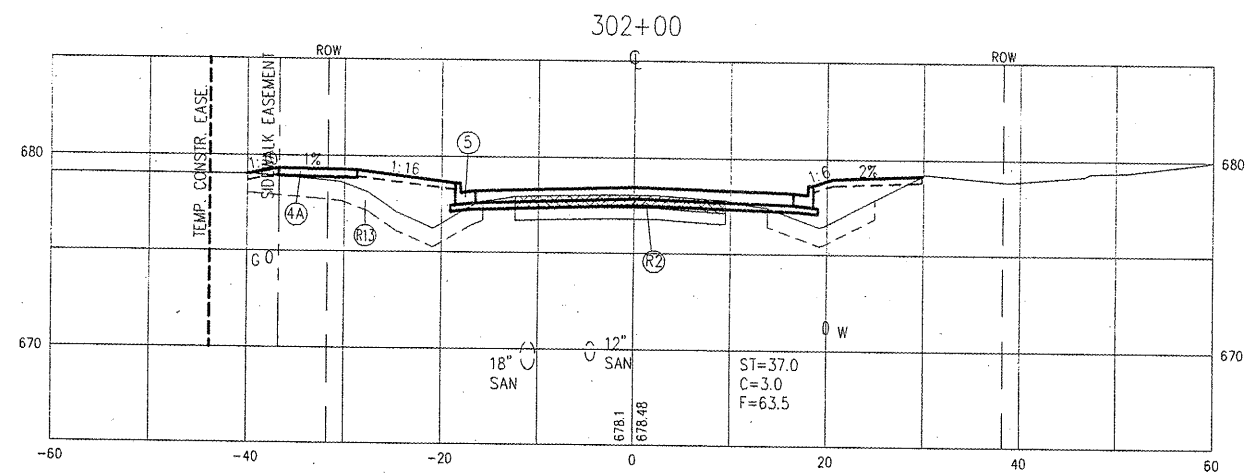
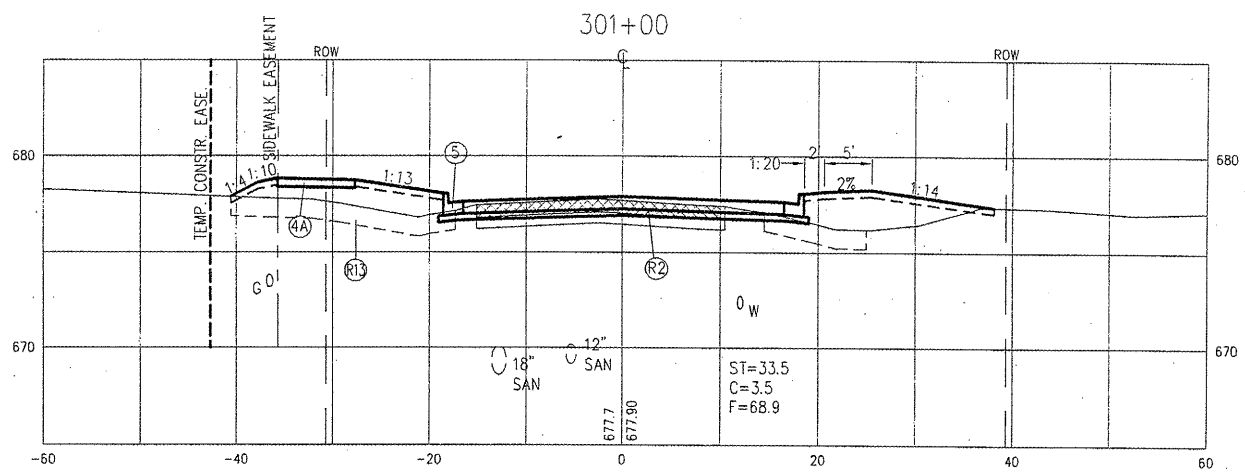
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 DATE: OCTOBER 2008

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 STORM WATER POLLUTION PREVENTION PLAN AND NOTES**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\DRAWINGS\MACOMB\WARDST\WARD-ST-2007  
 FIELD BOOK No. 2257 JOB NUMBER: 05-28-0808  
 MACOMB, ILLINOIS

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 13081 833-4594  
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**LEGEND**

- |  |   |                                    |
|--|---|------------------------------------|
| ① PCC DRIVEWAY PAVEMENT, 6"            | ④A PCC SIDEWALK 5"                      | Ⓡ1 DRIVEWAY PAVEMENT REMOVAL       |
| ② PCC DRIVEWAY PAVEMENT, 7"            | ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18 | Ⓡ2 PAVEMENT REMOVAL                |
| ③ AGGREGATE SURFACE COURSE, TYPE A, 6" | ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"  | Ⓡ3 BRICK SIDEWALK REMOVAL          |
| ④ PCC SIDEWALK, 4"                     | ⑨ POROUS GRANULAR EMBANKMENT            | Ⓡ4 CONCRETE SIDEWALK REMOVAL       |
|  |   | Ⓡ5 CURB AND GUTTER REMOVAL         |
|  |   | Ⓡ13 REMOVAL OF UNSUITABLE MATERIAL |

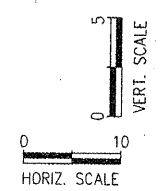


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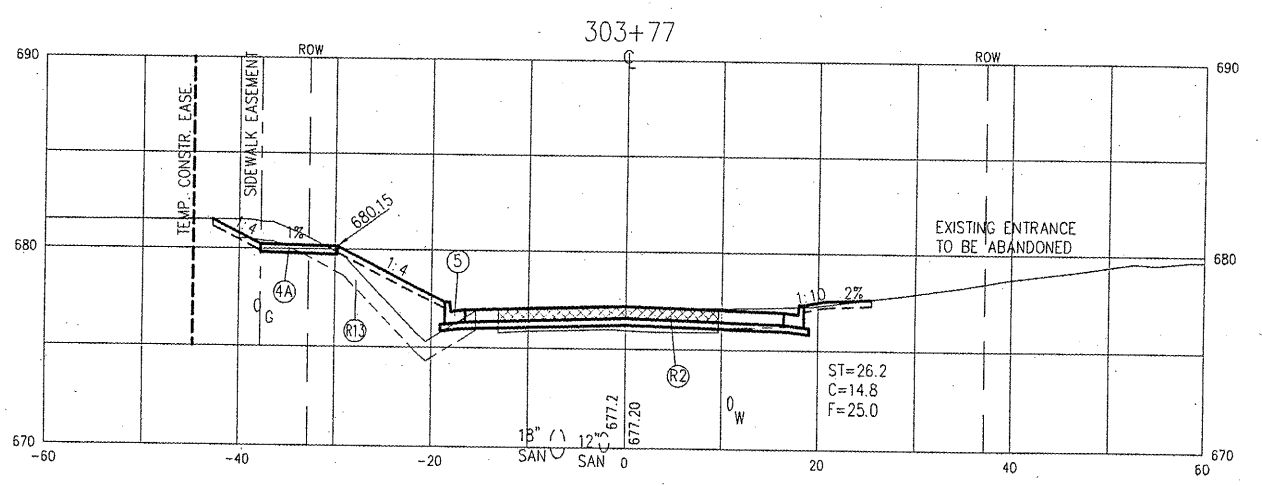
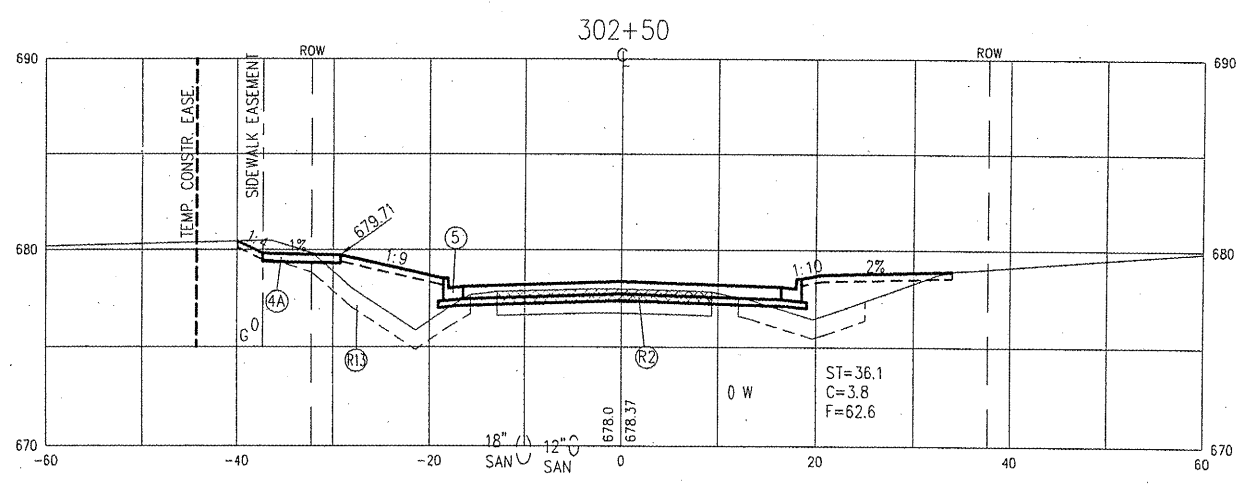
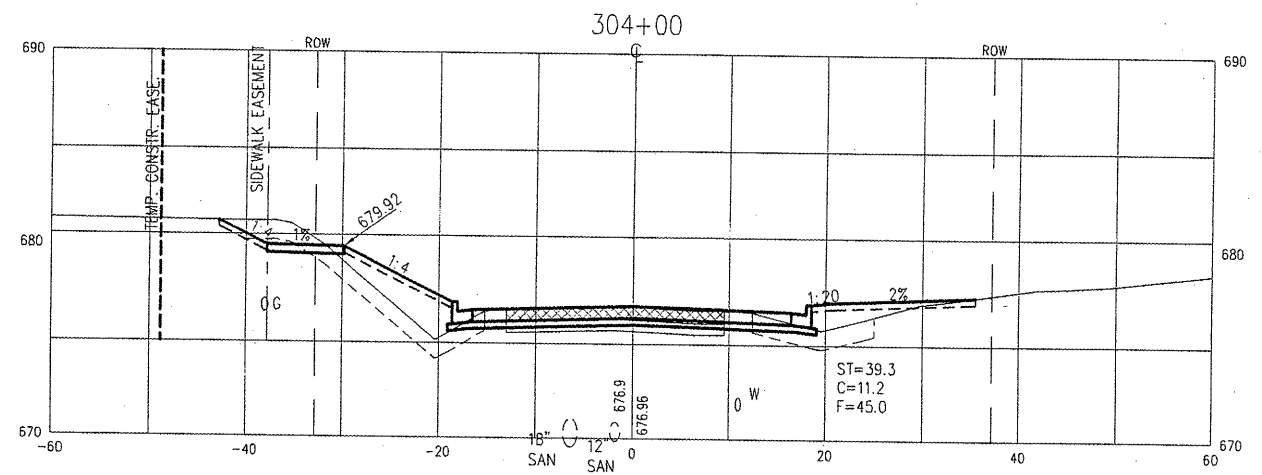
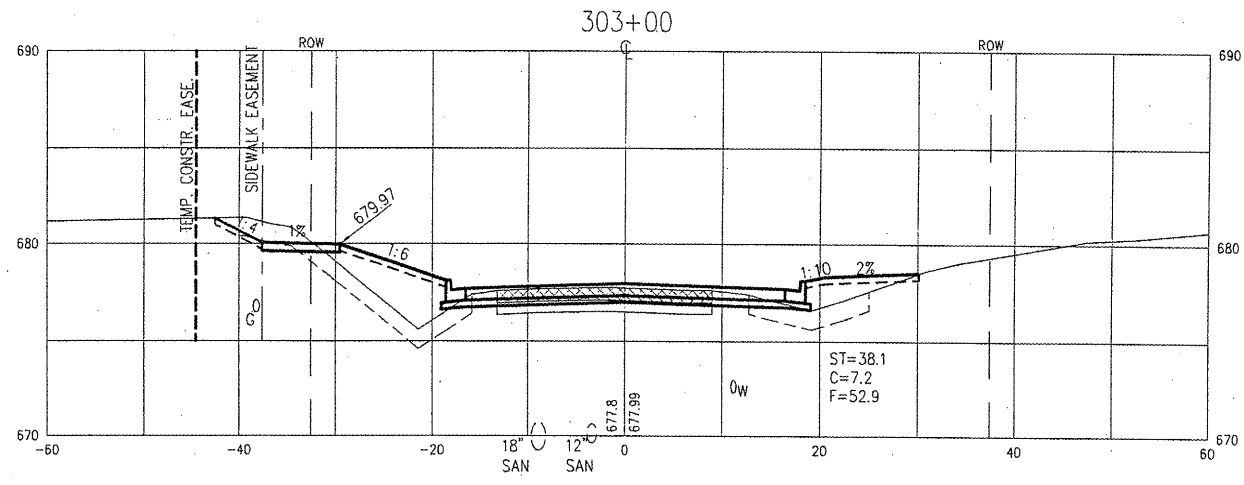
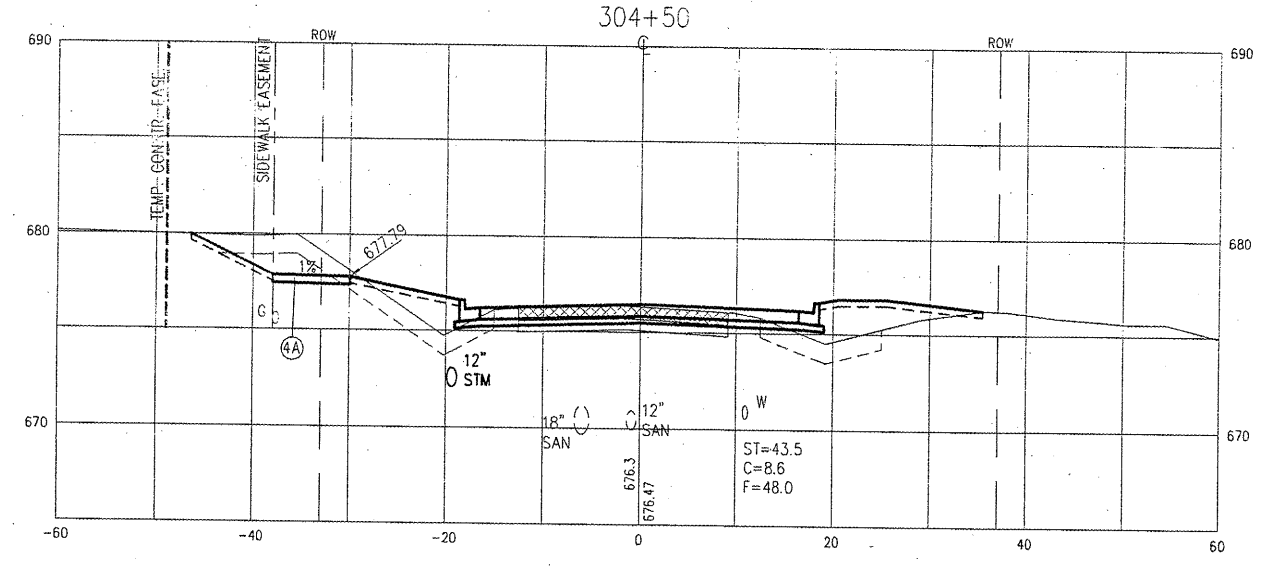
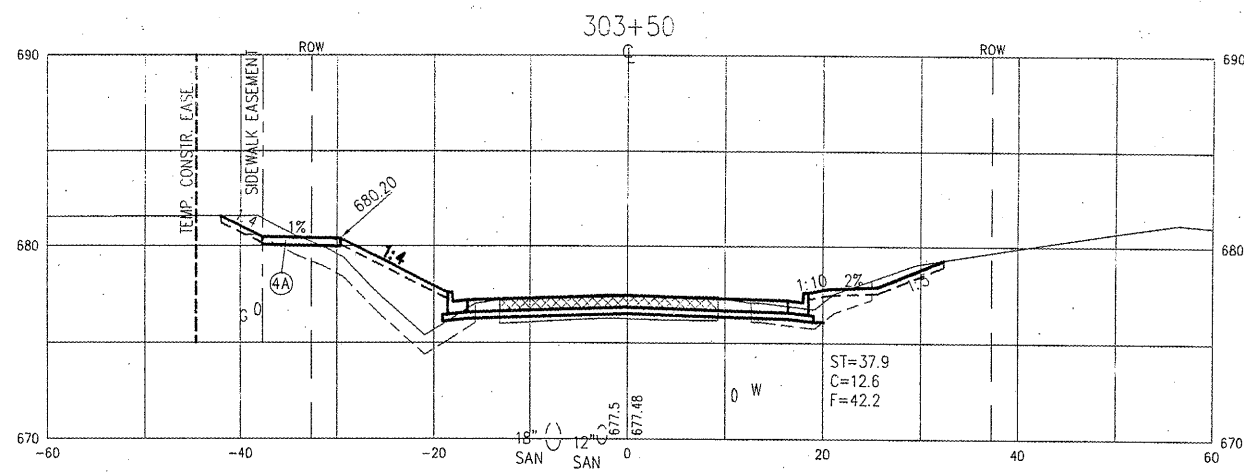
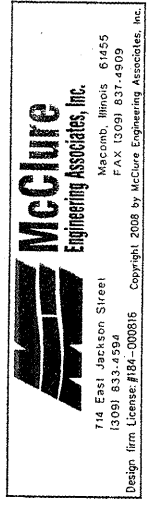
NO.	REVISIONS	ITEM	DATE

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 CITY OF MACOMB

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 JOB NUMBER: 05-28-08056



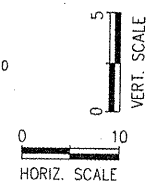




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 SOUTH WARD ST.  
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 MACOMB, ILLINOIS  
 FIELD BOOK No. 2257 JOB NUMBER: 05-28-0808

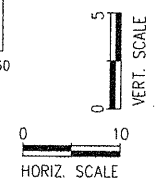
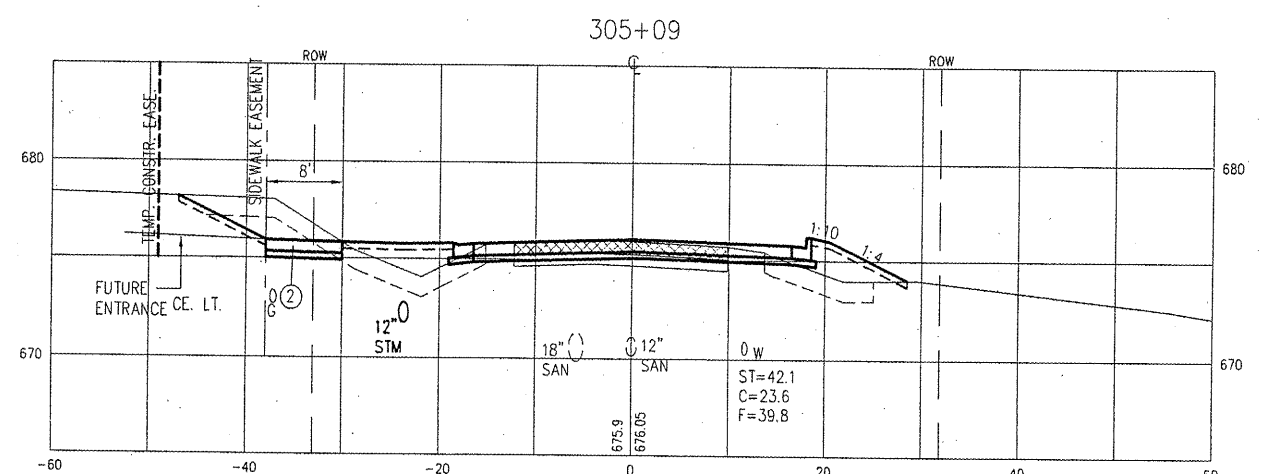
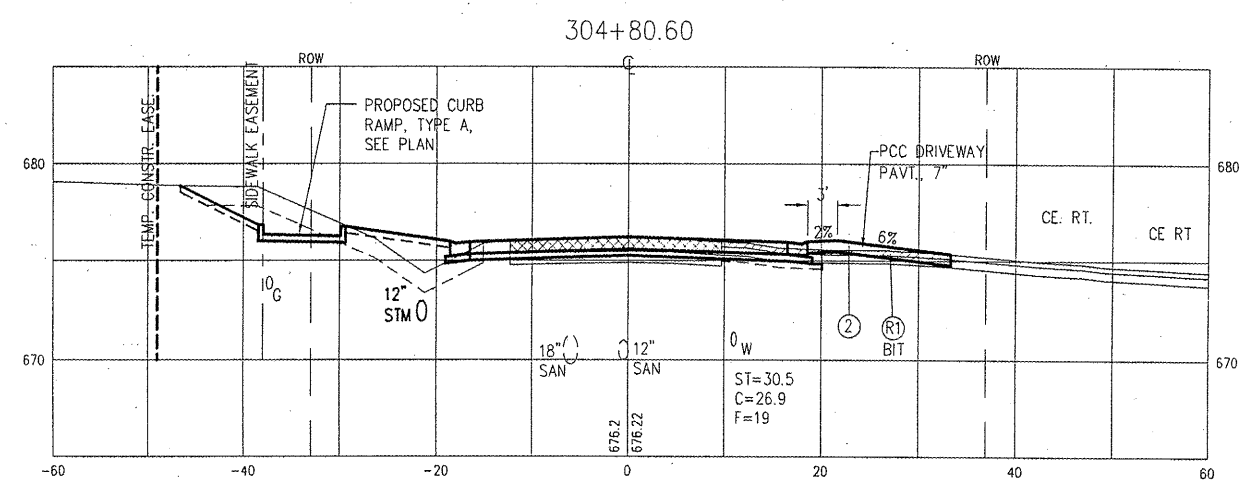
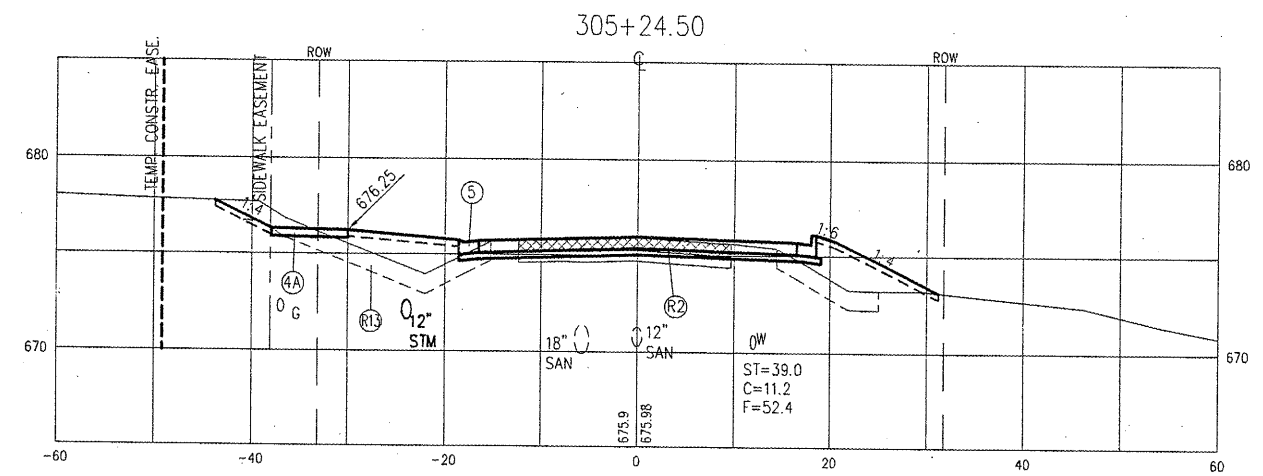
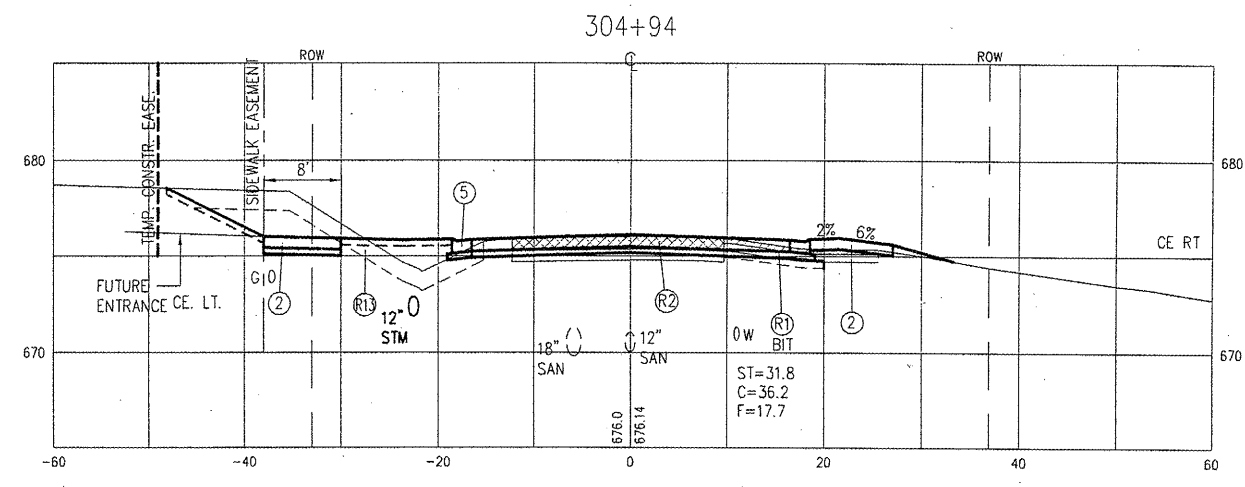
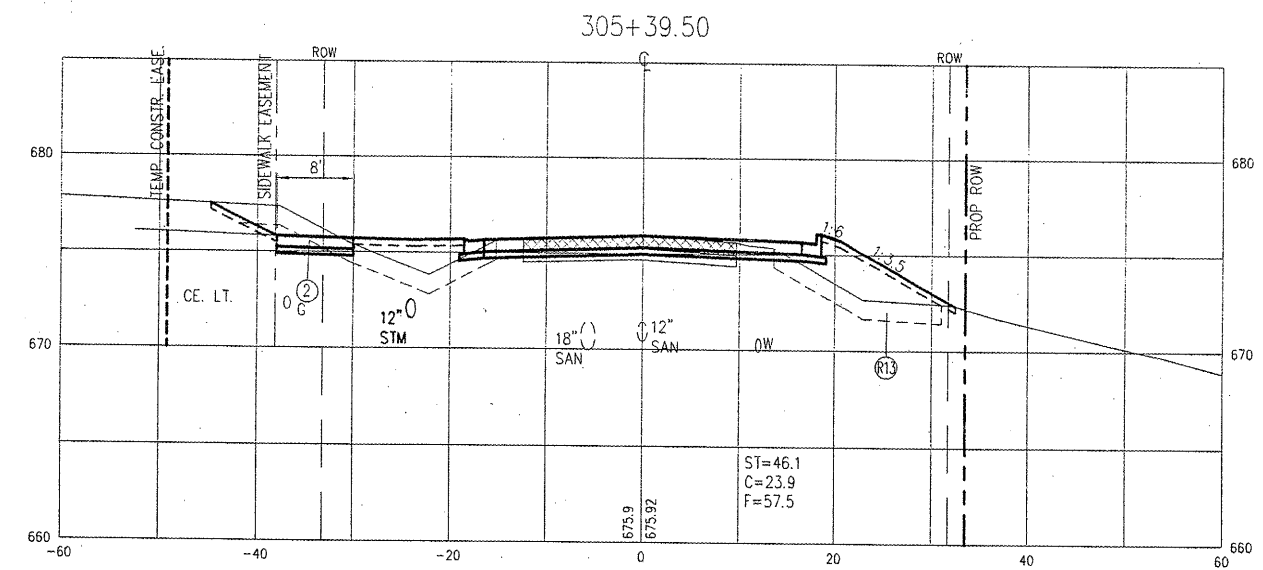
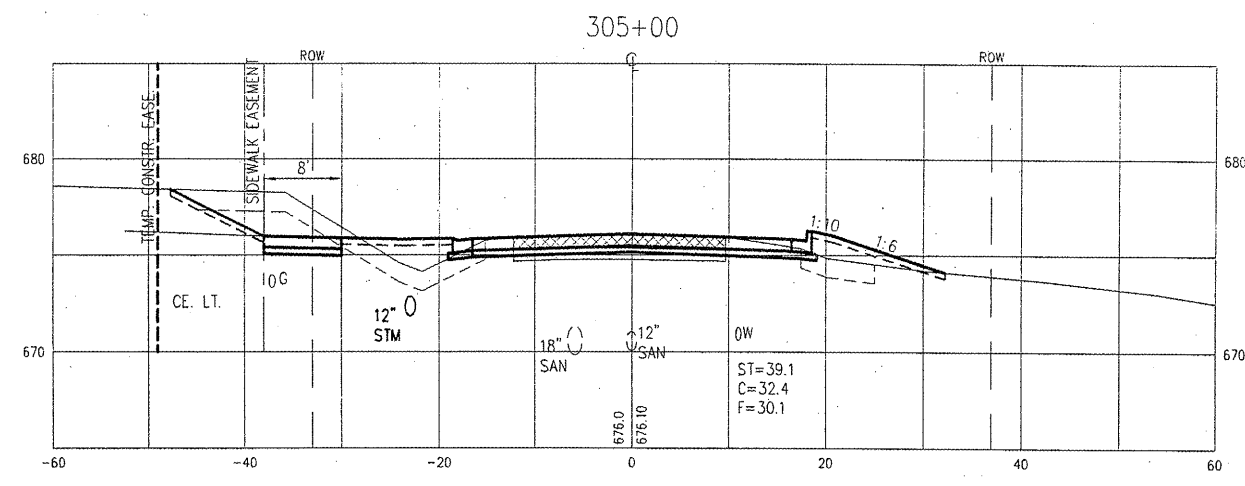


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NO.	REVISIONS	DATE

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 CITY OF MACOMB  
 SOUTH WARD ST. MACOMB, ILLINOIS  
 FILE NAME: \\MACOMB\WARDST\WARD-ST-2007-K-SEC FIELD BOOK No. 2257 JOB NUMBER: 01-28-0908



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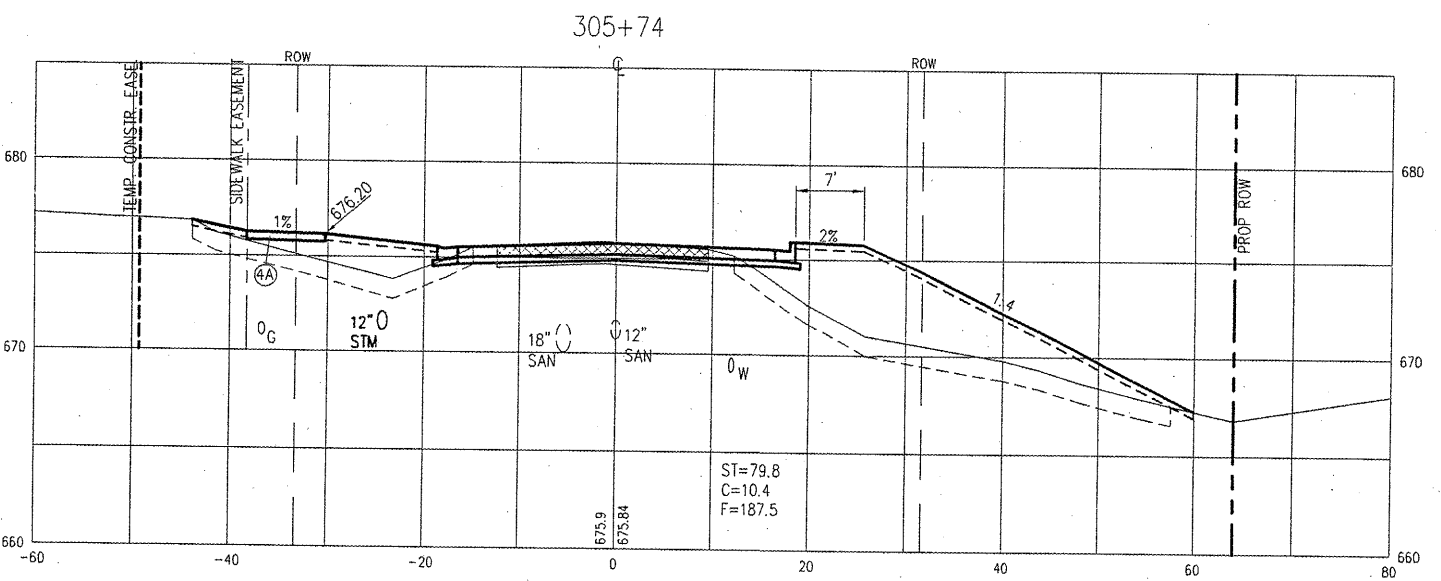
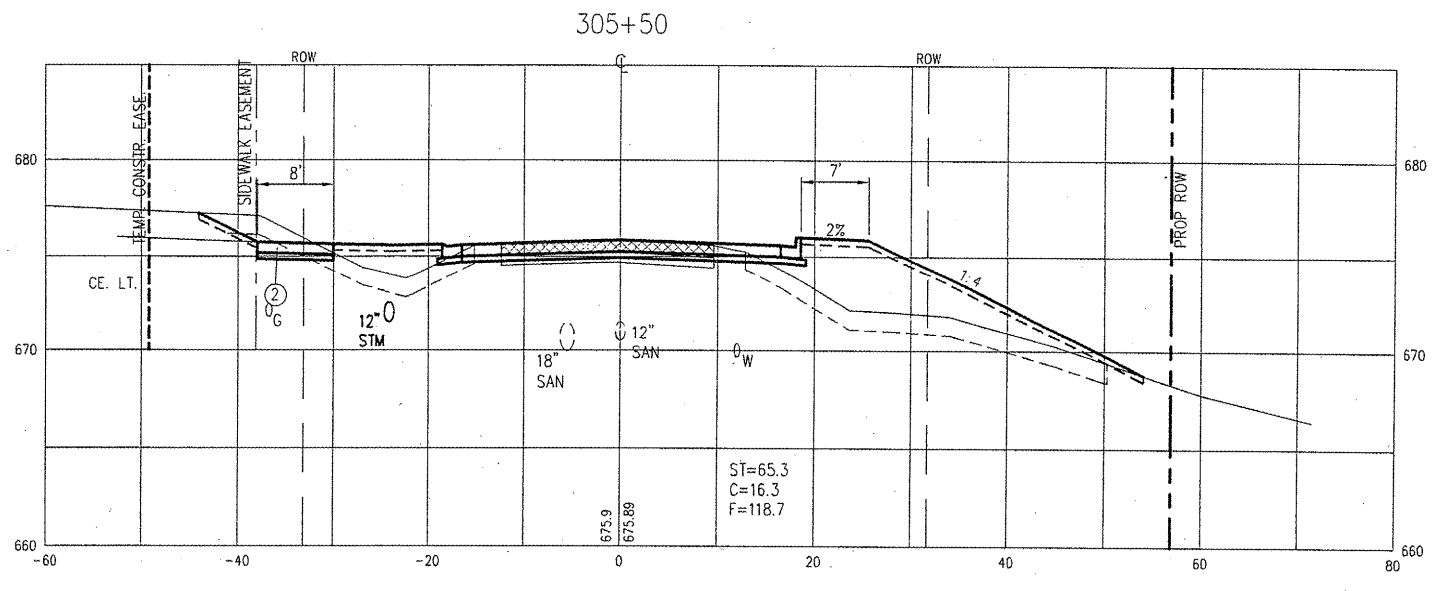
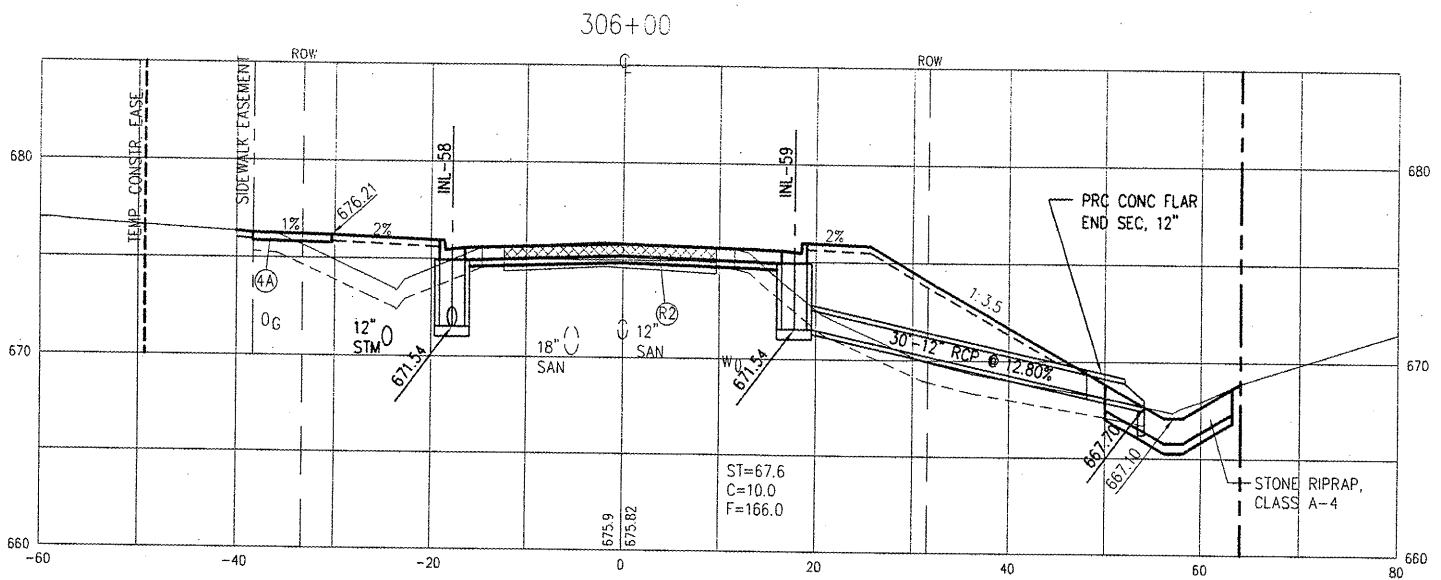
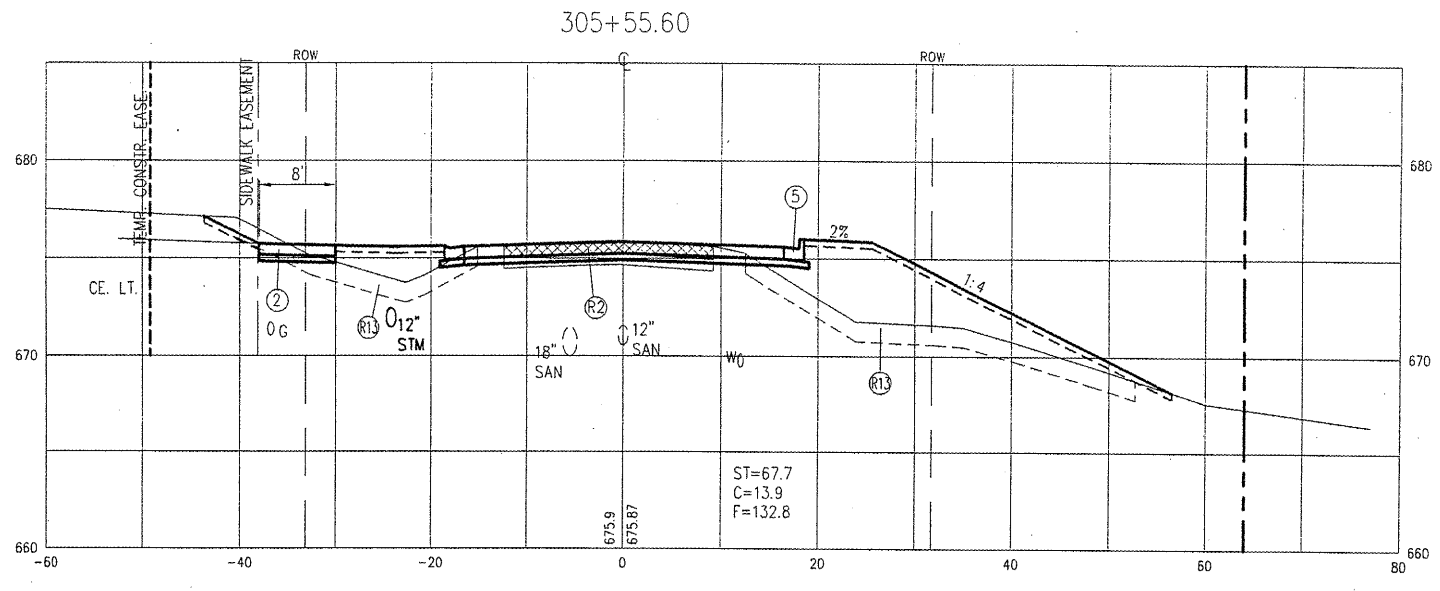
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CHECKED BY:	JAR
DATE:	OCTOBER 2008

NO.	REVISIONS	ITEM	DATE

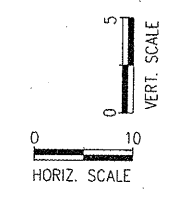
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 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARDST\WARD-ST-2007-A-SEC FIELD BOOK No. 2257 JOB NUMBER: 03-29-08098



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| ② PCC DRIVEWAY PAVEMENT, 7"            | ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18 | ⑨ R2 PAVEMENT REMOVAL                |
| ③ AGGREGATE SURFACE COURSE, TYPE A, 6" | ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"  | ⑨ R3 BRICK SIDEWALK REMOVAL          |
| ④ PCC SIDEWALK, 4"                     | ⑨ POROUS GRANULAR EMBANKMENT            | ⑨ R4 CONCRETE SIDEWALK REMOVAL       |
|  |   | ⑨ R5 CURB AND GUTTER REMOVAL         |
|  |   | ⑨ R13 REMOVAL OF UNSUITABLE MATERIAL |



**LEGEND**

- ① PCC DRIVEWAY PAVEMENT, 6"
- ② PCC DRIVEWAY PAVEMENT, 7"
- ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
- ④ PCC SIDEWALK, 4"
- ④A PCC SIDEWALK 5"
- ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
- ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
- ⑨ POROUS GRANULAR EMBANKMENT
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ① R1 DRIVEWAY PAVEMENT REMOVAL
- ① R2 PAVEMENT REMOVAL
- ① R3 BRICK SIDEWALK REMOVAL
- ① R4 CONCRETE SIDEWALK REMOVAL
- ① R5 CURB AND GUTTER REMOVAL
- ① R13 REMOVAL OF UNSUITABLE MATERIAL

CITY OF MACOMB - WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ M05040 (009)  
 CONTRACT No. 89469 SHT 44 OF 59

SHEET NO.  
**44**  
 of **59**

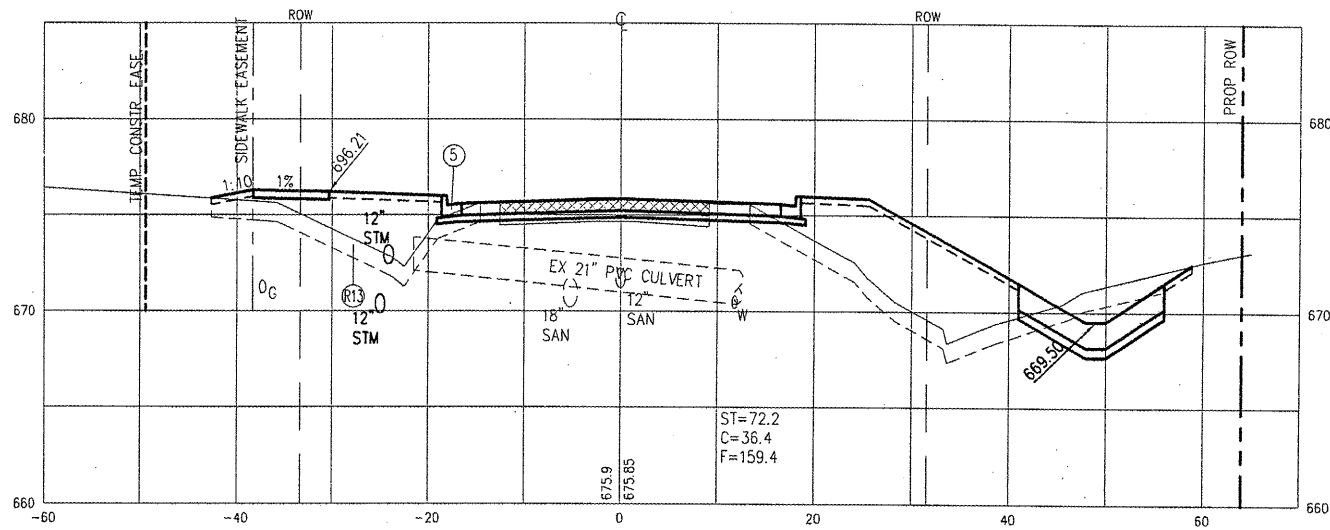
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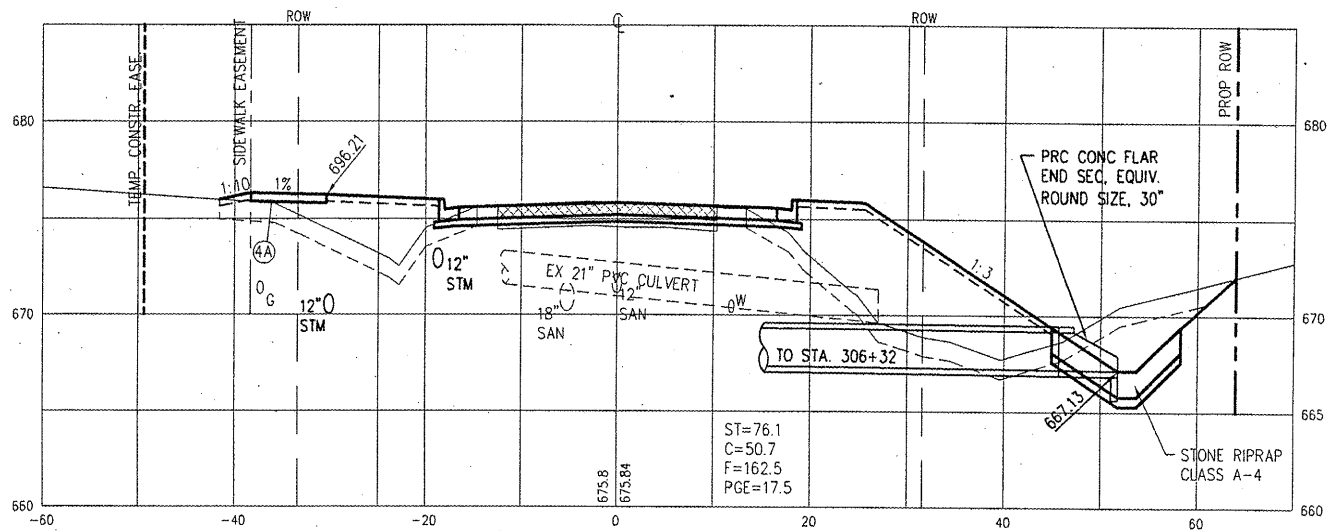
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**WARD STREET IMPROVEMENTS**  
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 SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDST\WARD-ST-2007-K-SEC  
 MACOMB, ILLINOIS  
 JOB NUMBER: 03-28-08038  
 FIELD BOOK No: 2257

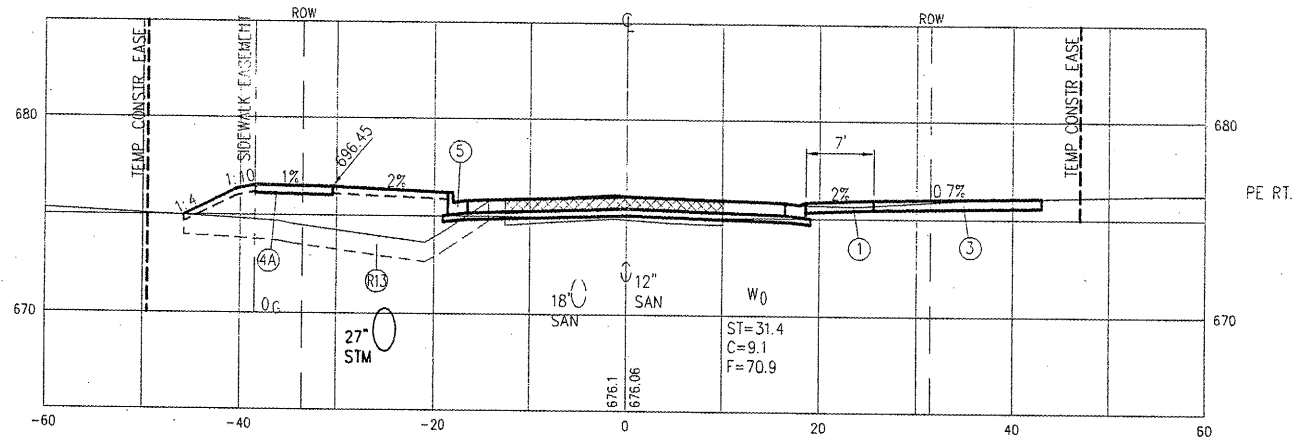
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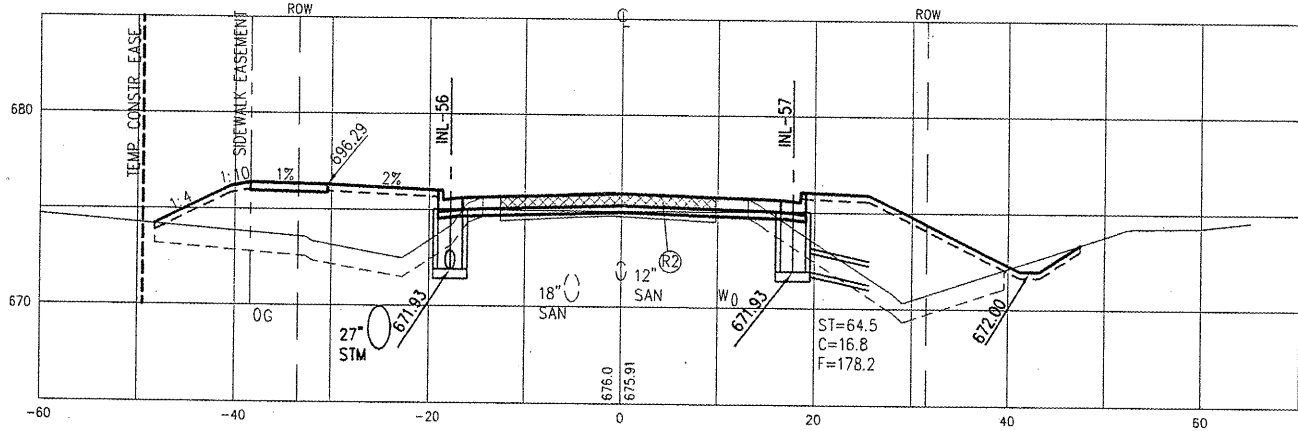
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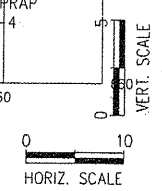
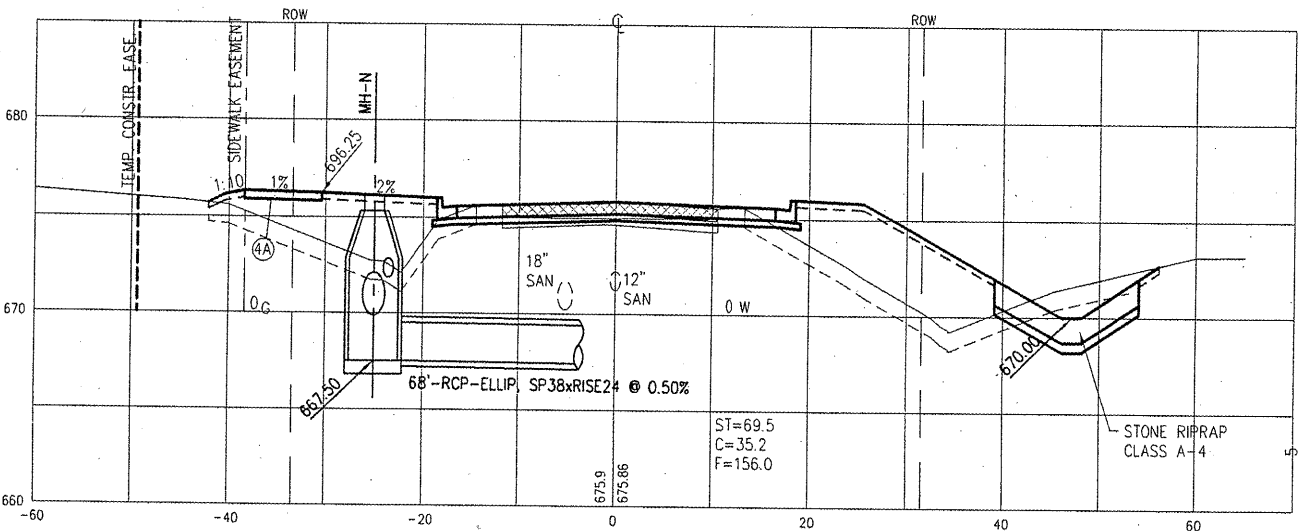
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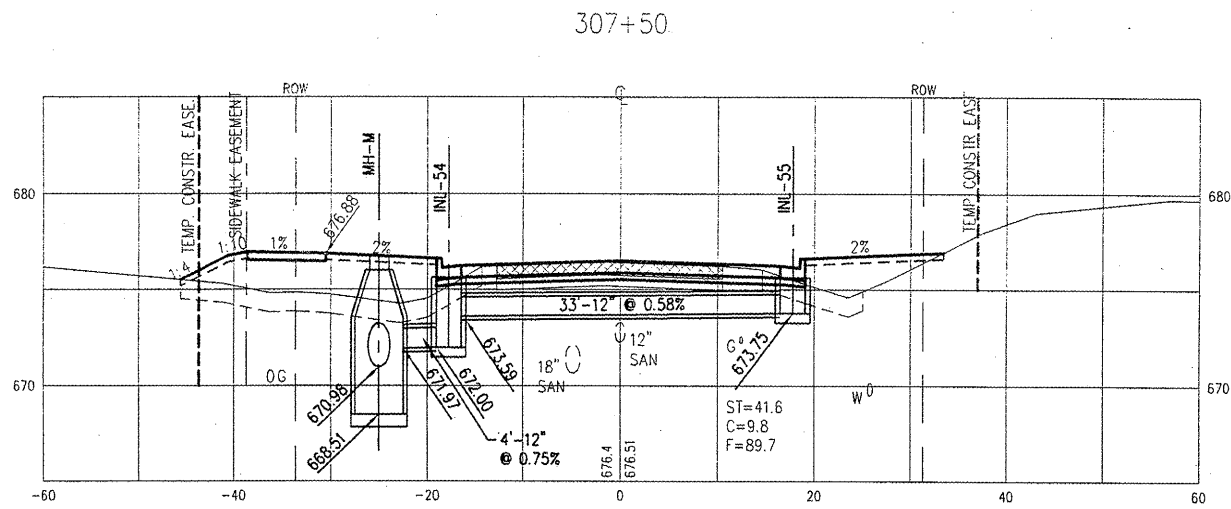


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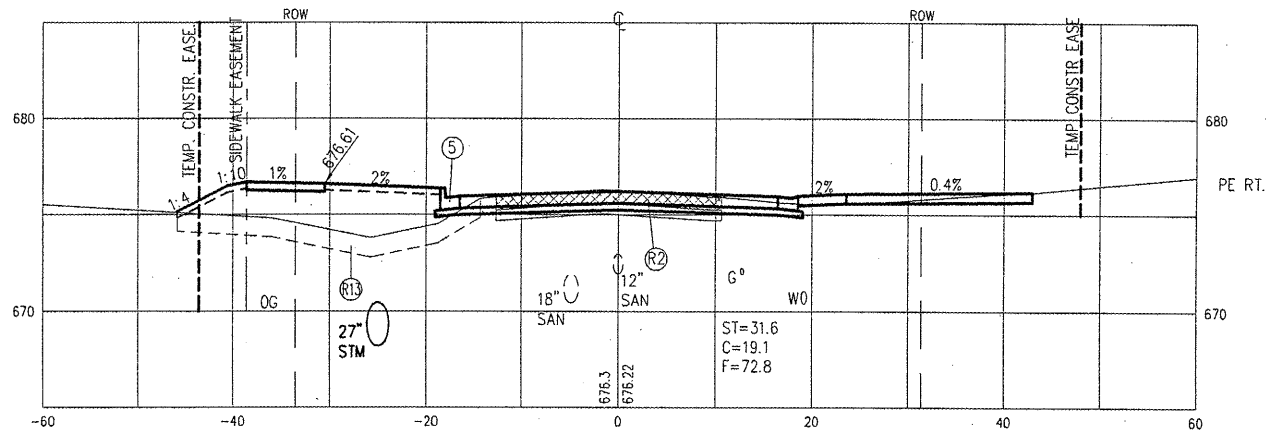


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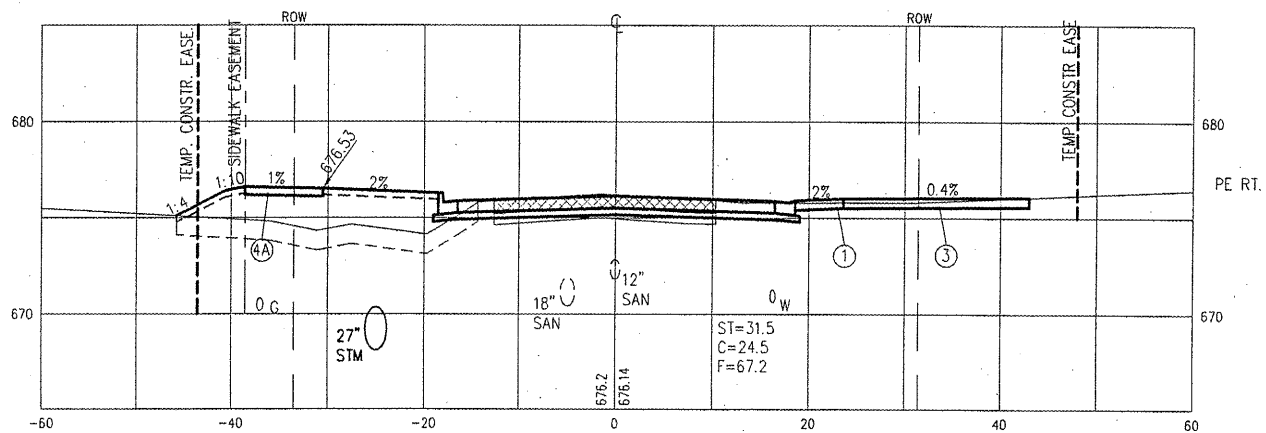
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| ② PCC DRIVEWAY PAVEMENT, 7"            | ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18        | Ⓡ2 PAVEMENT REMOVAL                |
| ③ AGGREGATE SURFACE COURSE, TYPE A, 6" | ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"         | Ⓡ3 BRICK SIDEWALK REMOVAL          |
| ④ PCC SIDEWALK, 4"                     | ⑨ POROUS GRANULAR EMBANKMENT                   | Ⓡ4 CONCRETE SIDEWALK REMOVAL       |
|  | ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | Ⓡ5 CURB AND GUTTER REMOVAL         |
|  |  | Ⓡ13 REMOVAL OF UNSUITABLE MATERIAL |



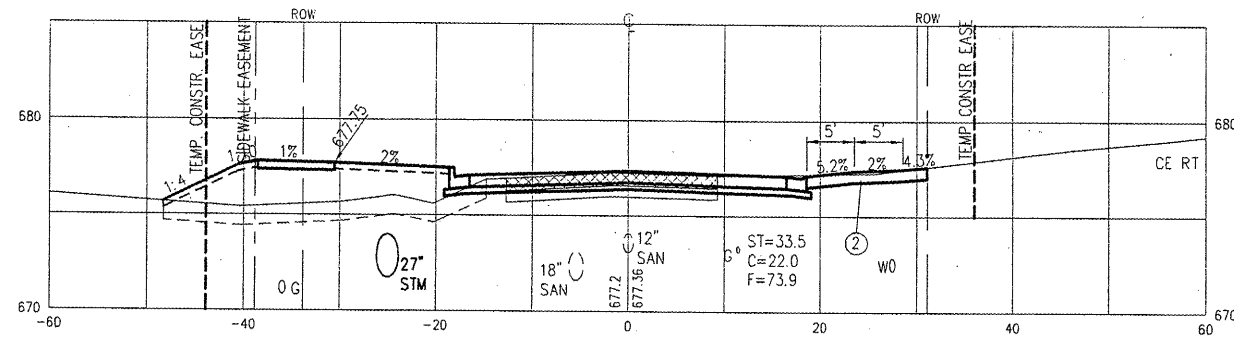
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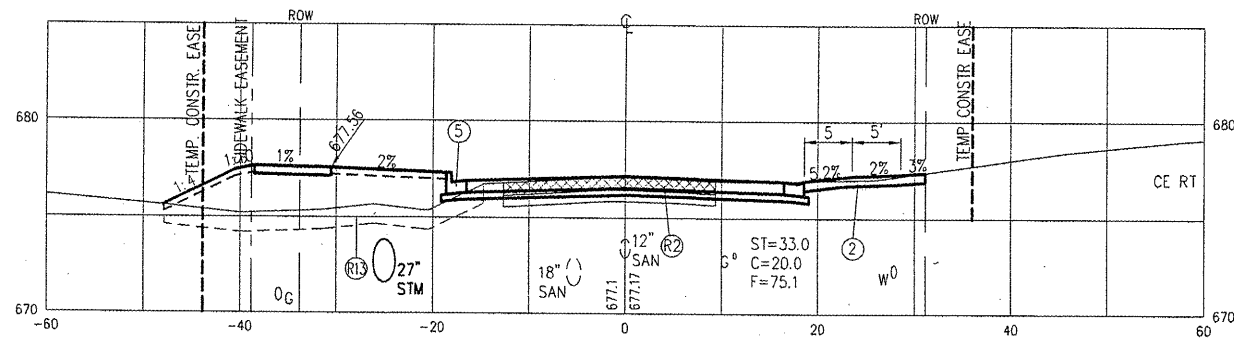
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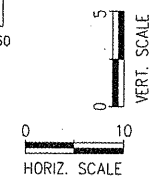
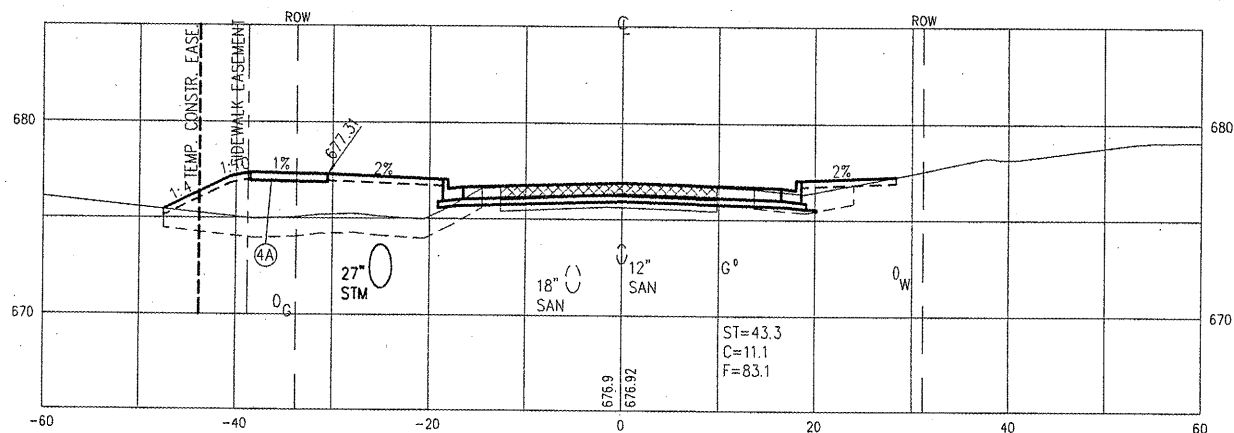
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308+24



308+00



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**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 3307+00 TO 308+39**  
CITY OF MACOMB  
SOUTH WARD ST.  
MACOMB, ILLINOIS  
FIELD BOOK No. 2257 JOB NUMBER: 01-28-06098  
FILE NAME: \\MACOMB\WARDST\WARD-ST-2007-A-SEC

**LEGEND**

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- ② PCC DRIVEWAY PAVEMENT, 7"
- ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
- ④ PCC SIDEWALK, 4"
- ④A PCC SIDEWALK 5"
- ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
- ⑥ AGGREGATE SURFACE COURSE, TYPE A, 8"
- ⑨ POROUS GRANULAR EMBANKMENT
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- Ⓡ1 DRIVEWAY PAVEMENT REMOVAL
- Ⓡ2 PAVEMENT REMOVAL
- Ⓡ3 BRICK SIDEWALK REMOVAL
- Ⓡ4 CONCRETE SIDEWALK REMOVAL
- Ⓡ5 CURB AND GUTTER REMOVAL
- Ⓡ13 REMOVAL OF UNSUITABLE MATERIAL

CITY OF MACOMB - WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 46 OF 56

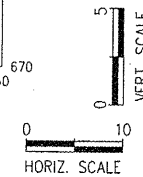
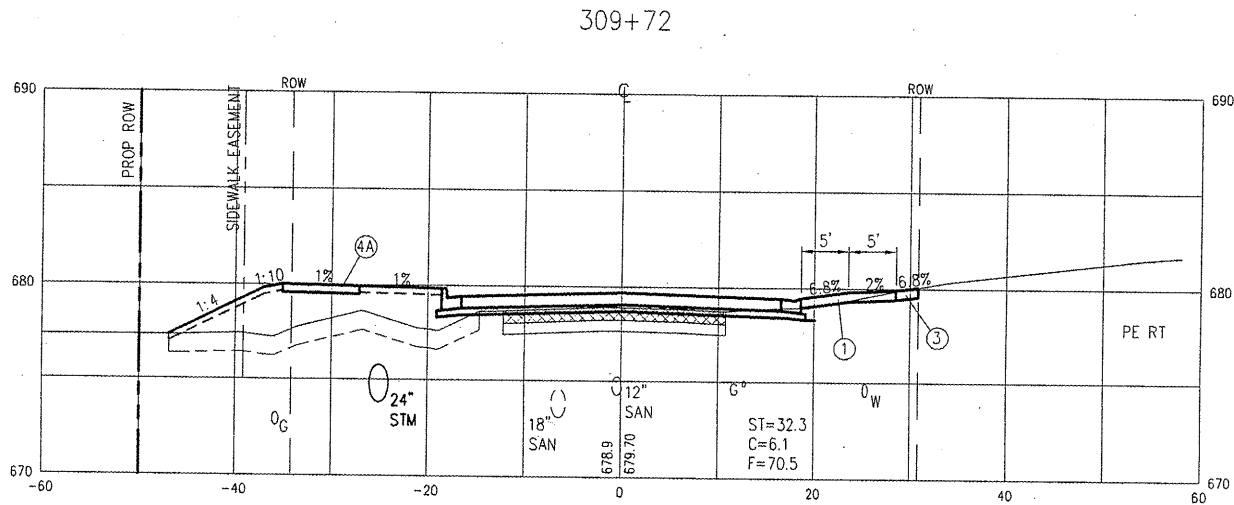
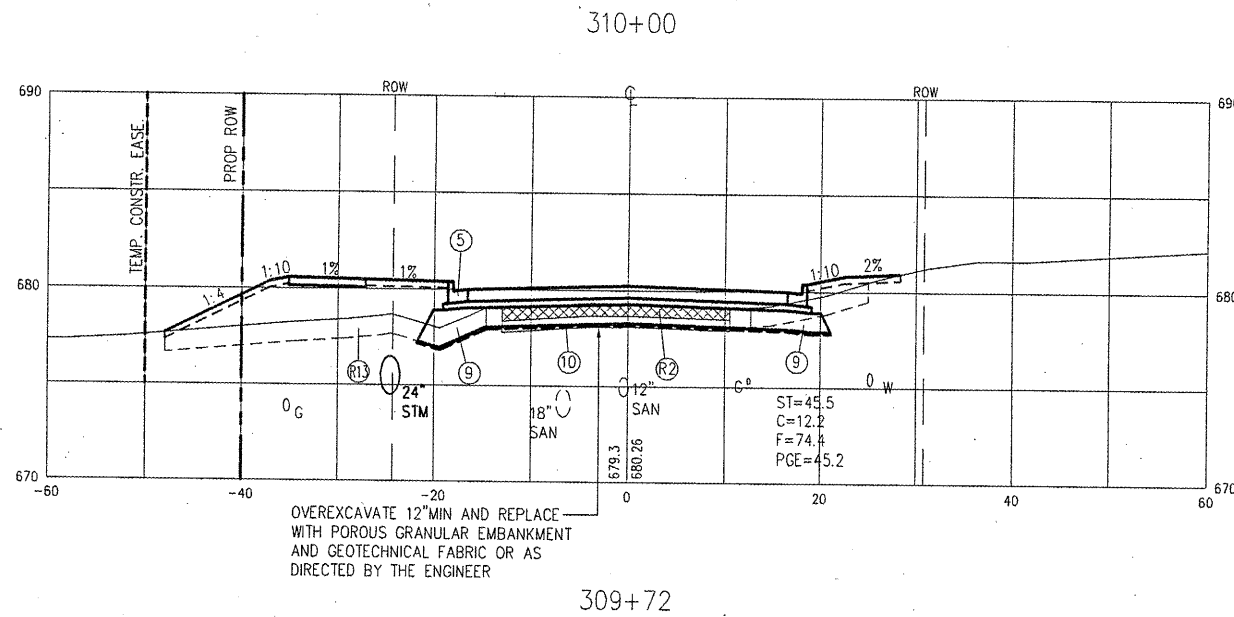
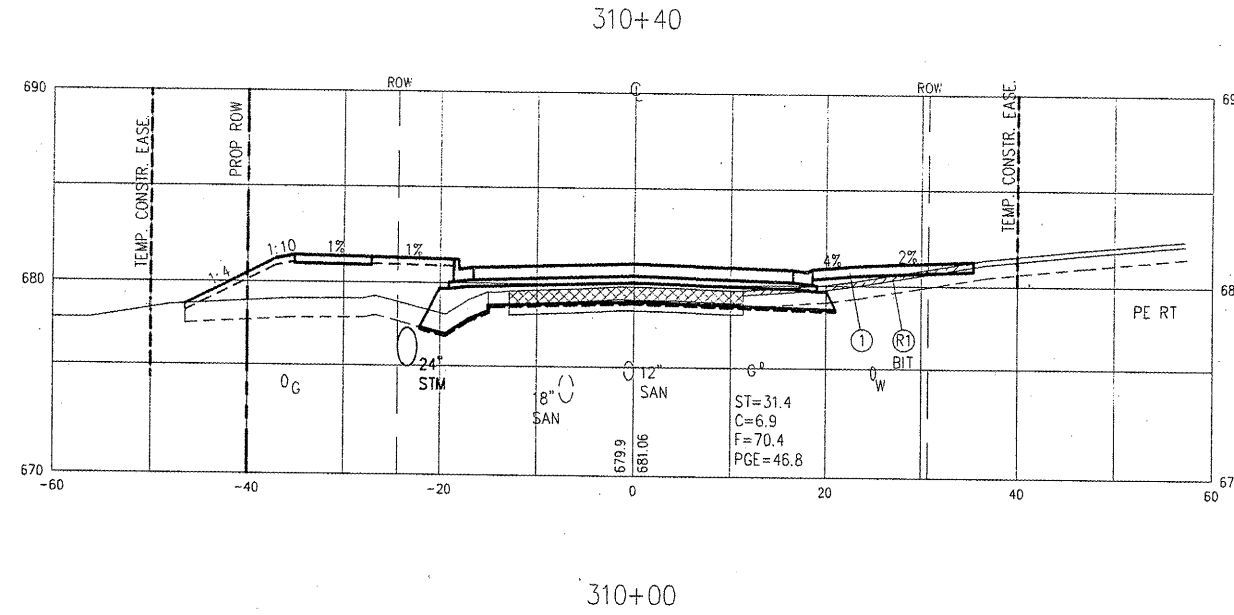
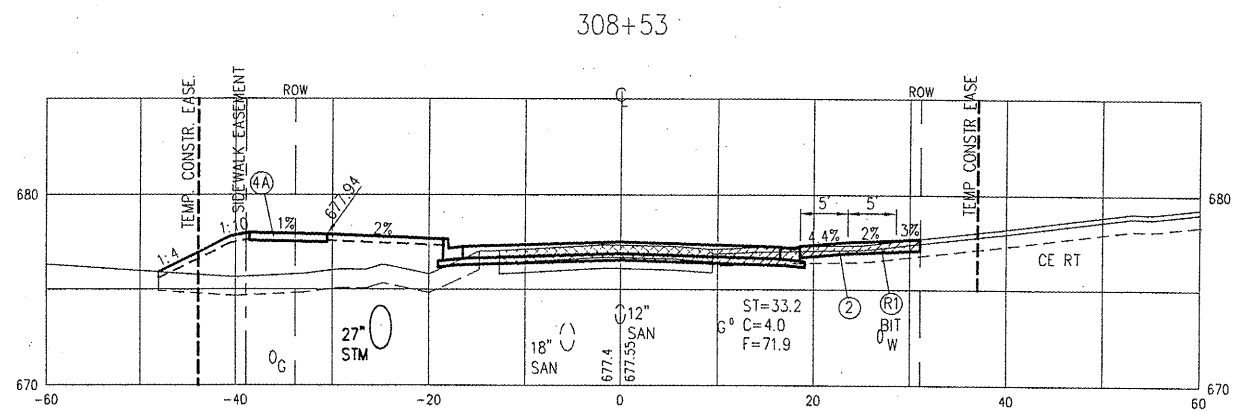
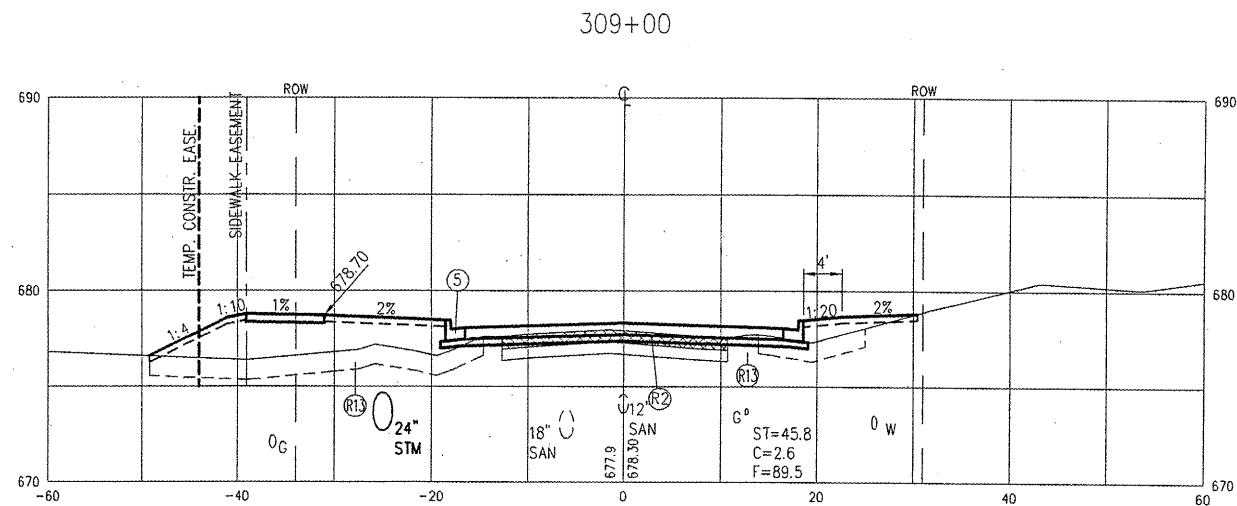
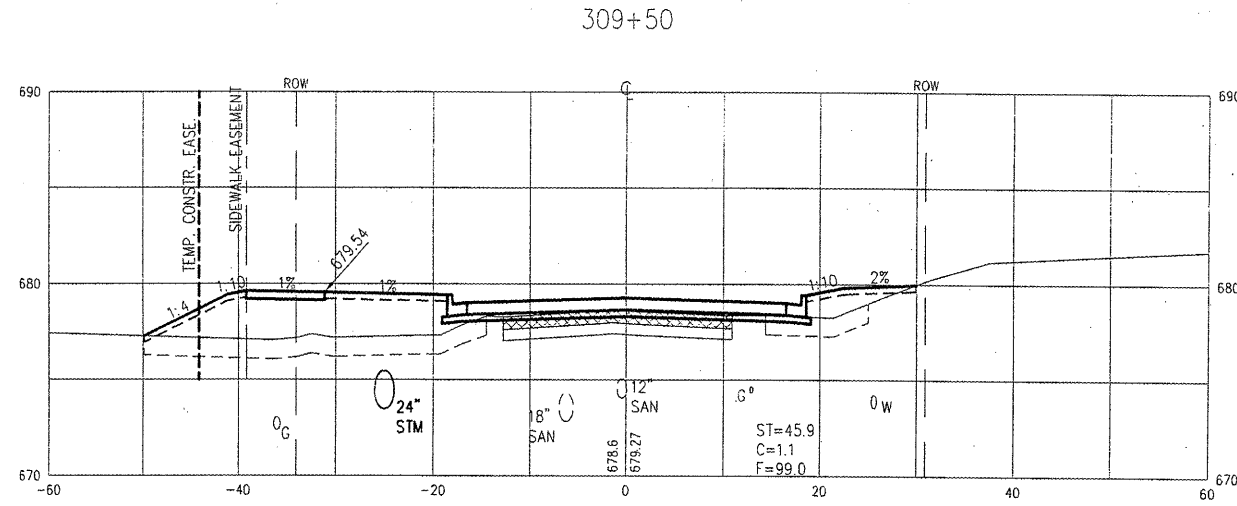
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**46**  
 of **59**

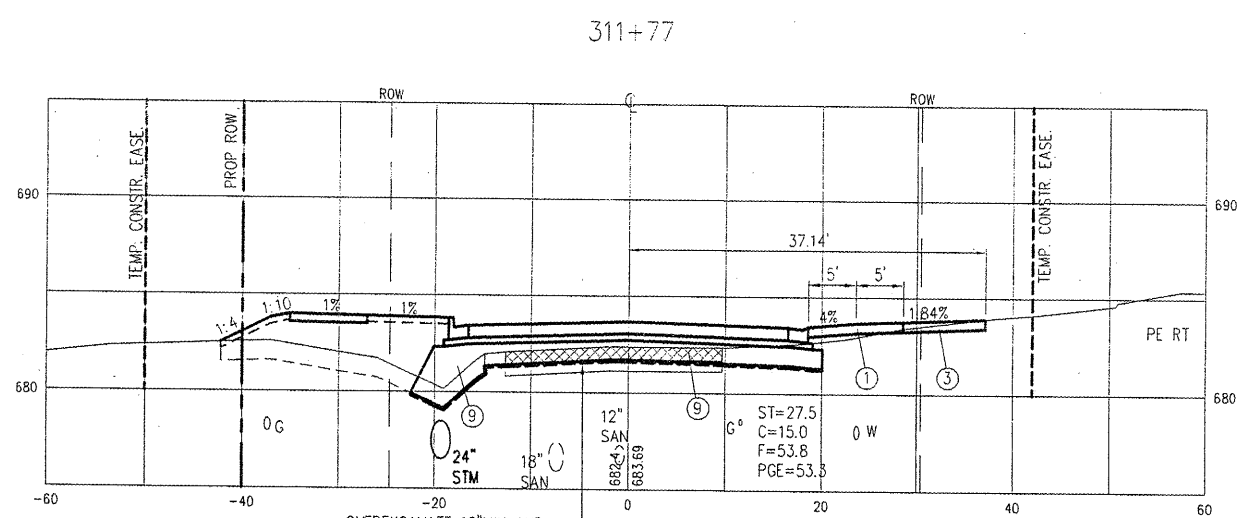
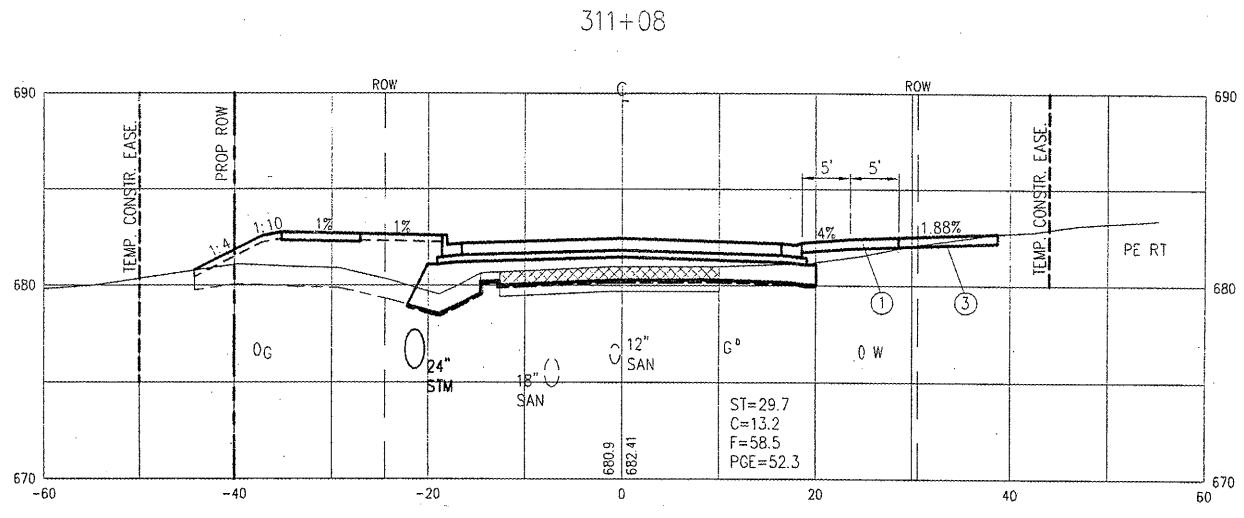
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 DATE: OCTOBER 2008

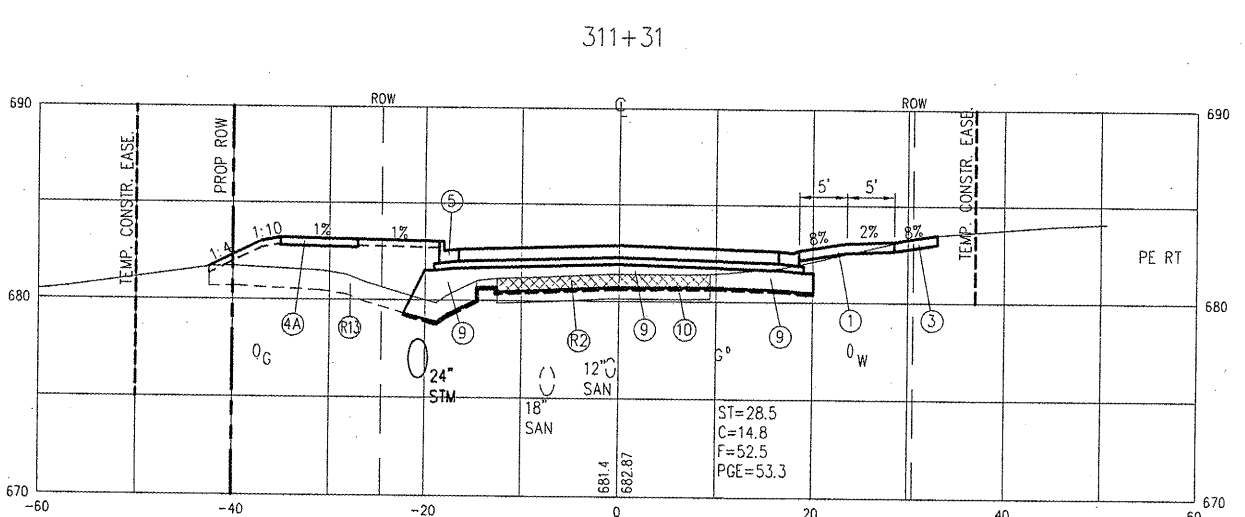
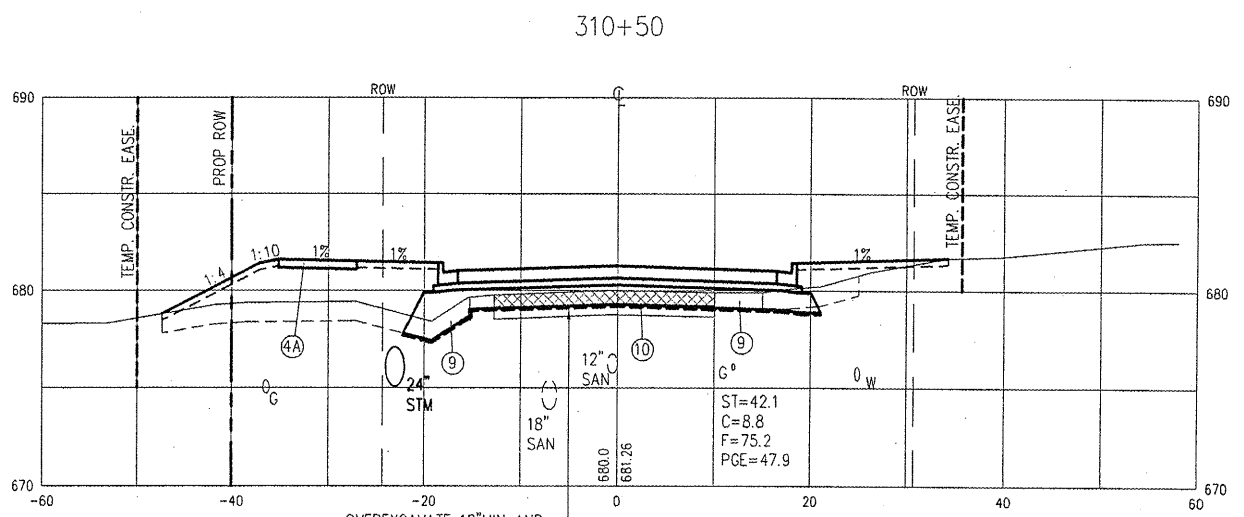
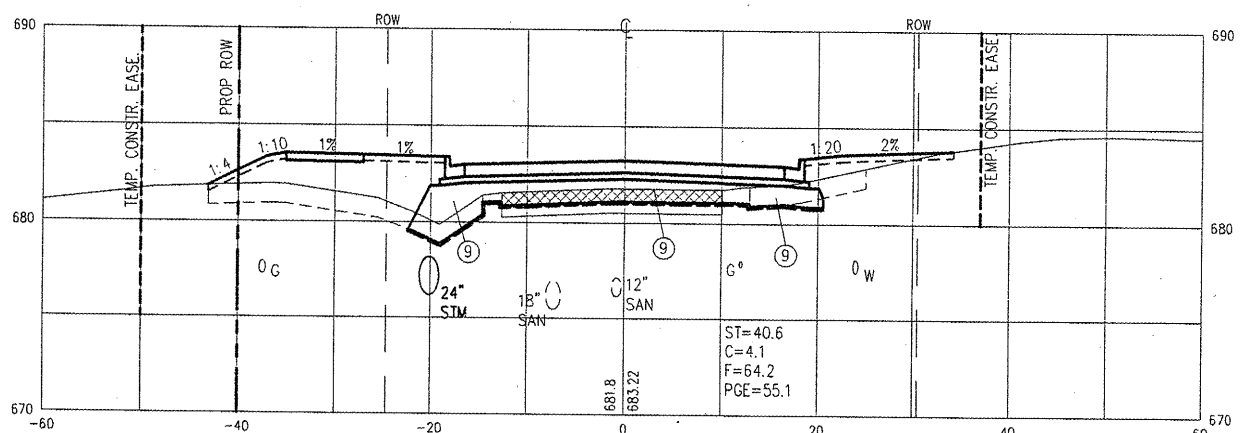
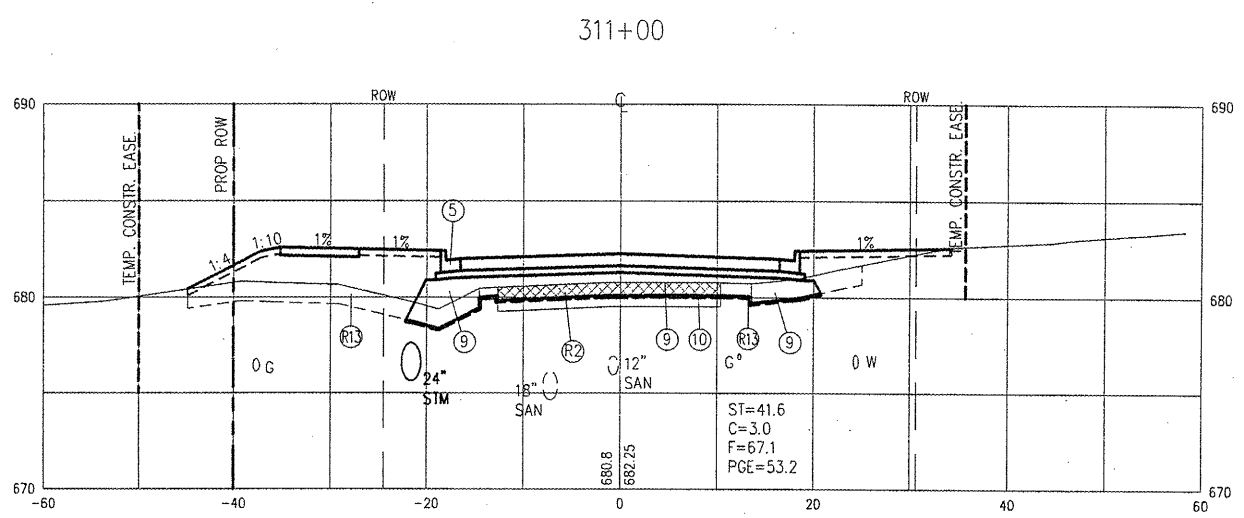
NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 308+53 TO 310+40**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARDST\WARD-ST-2007-4-SEC  
 MACOMB, ILLINOIS  
 FIELD BOOK No. 2257 JOB NUMBER: 01-26-0808

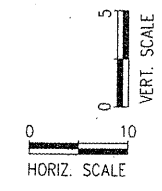




OVEREXCAVATE 12" MIN AND REPLACE WITH POROUS GRANULAR EMBANKMENT AND GEOTECHNICAL FABRIC OR AS DIRECTED BY THE ENGINEER



OVEREXCAVATE 12" MIN AND REPLACE WITH POROUS GRANULAR EMBANKMENT AND GEOTECHNICAL FABRIC OR AS DIRECTED BY THE ENGINEER



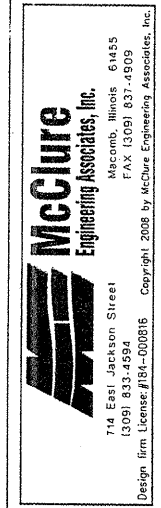
PLOTTING SCALE: 1" = 10'

DRAWN BY:	TAB
CHECKED BY:	JAR
DATE:	OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 310+50 TO 311+77**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDST\WARD-ST-2007-1-SEC FIELD BOOK No. 2257 JOB NUMBER: 01-26-08098  
 MACOMB, ILLINOIS

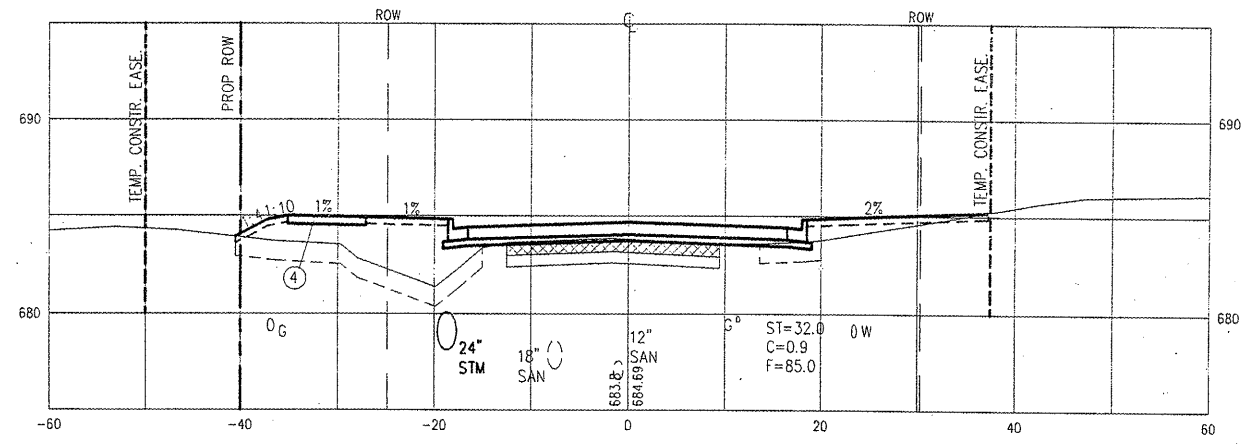


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 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: OCTOBER 2009

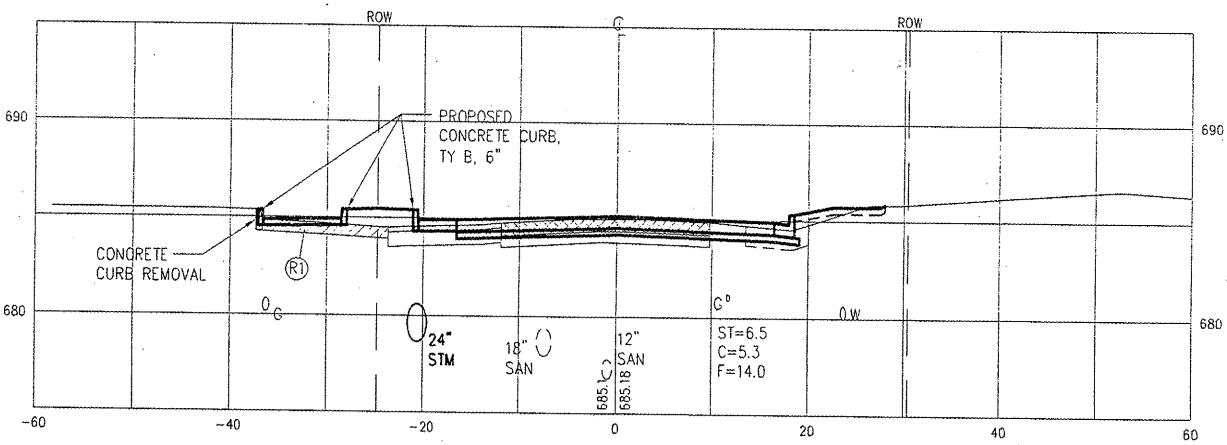
NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 311+98 TO 313+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDST\WARD-ST-2007-X-SEC  
 FIELD BOOK No: 2257 JOB NUMBER: 01-29-08098  
 MACOMB, ILLINOIS

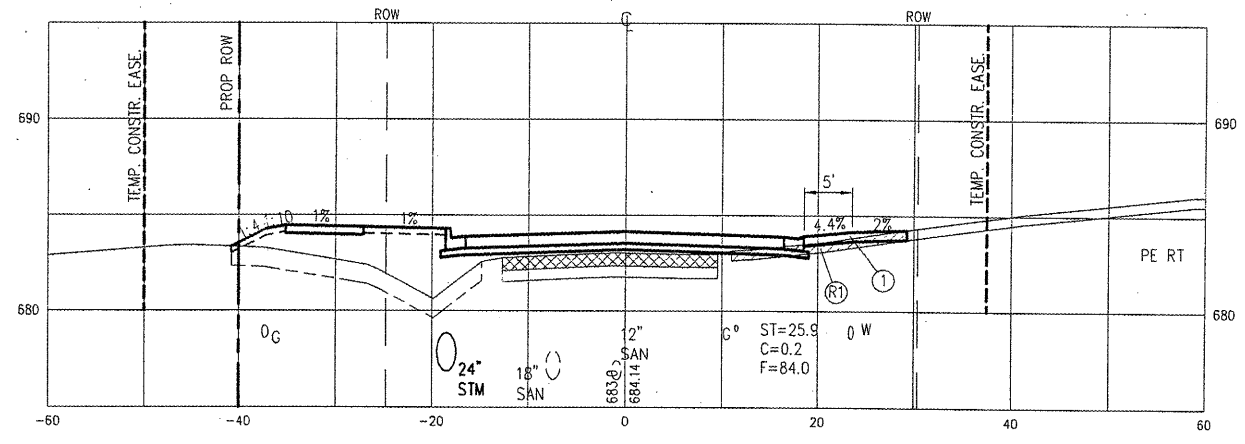
312+50



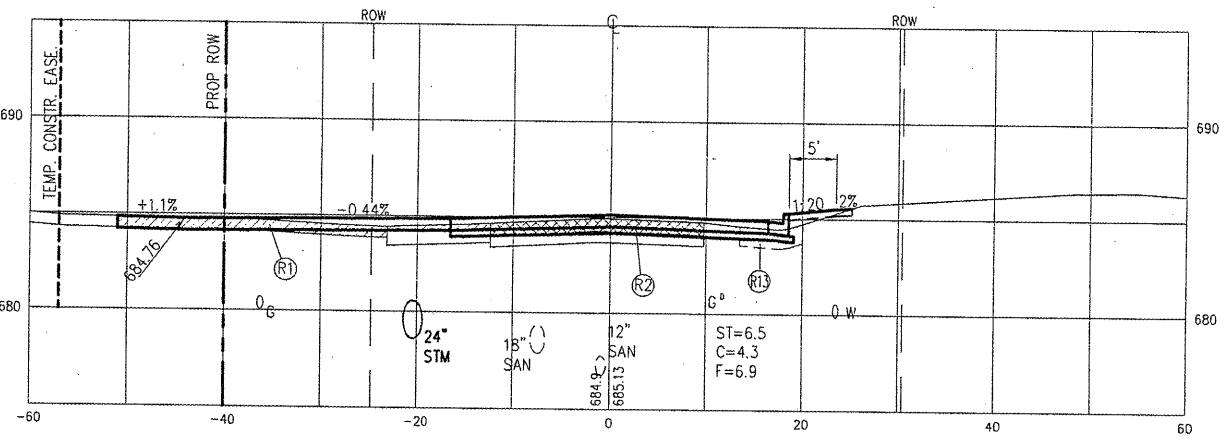
313+00



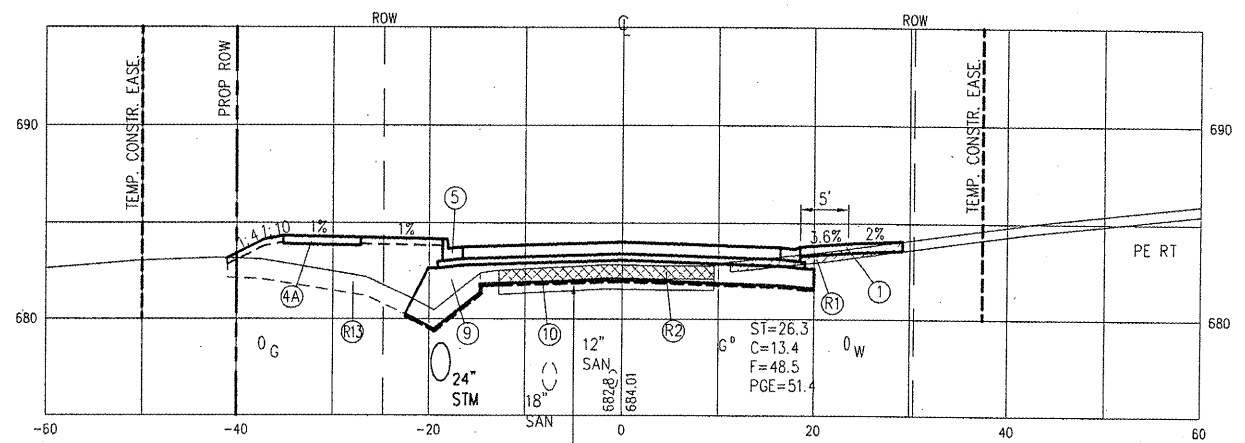
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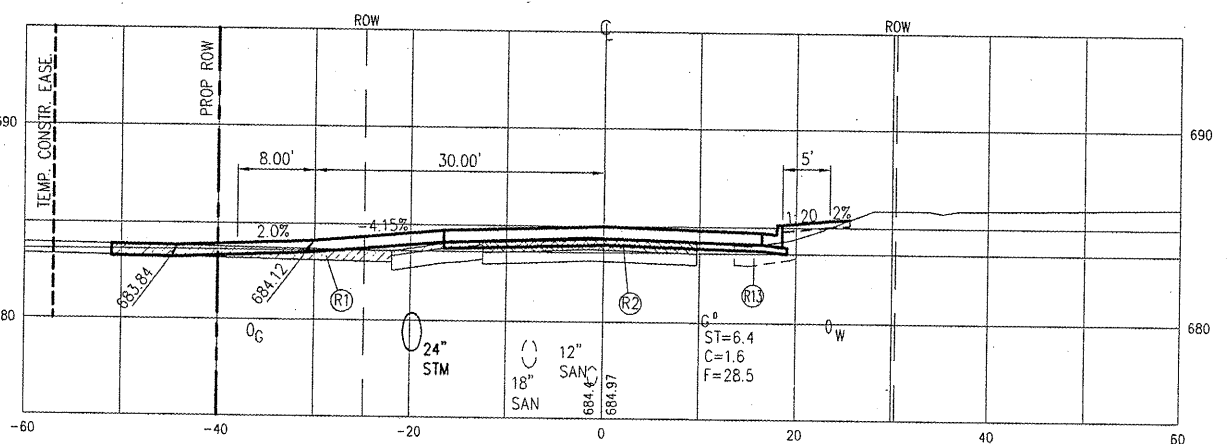
312+95



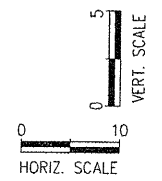
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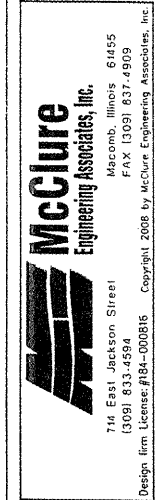
312+78



OVEREXCAVATE 12" MIN AND REPLACE WITH POROUS GRANULAR EMBANKMENT AND GEOTECHNICAL FABRIC OR AS DIRECTED BY THE ENGINEER



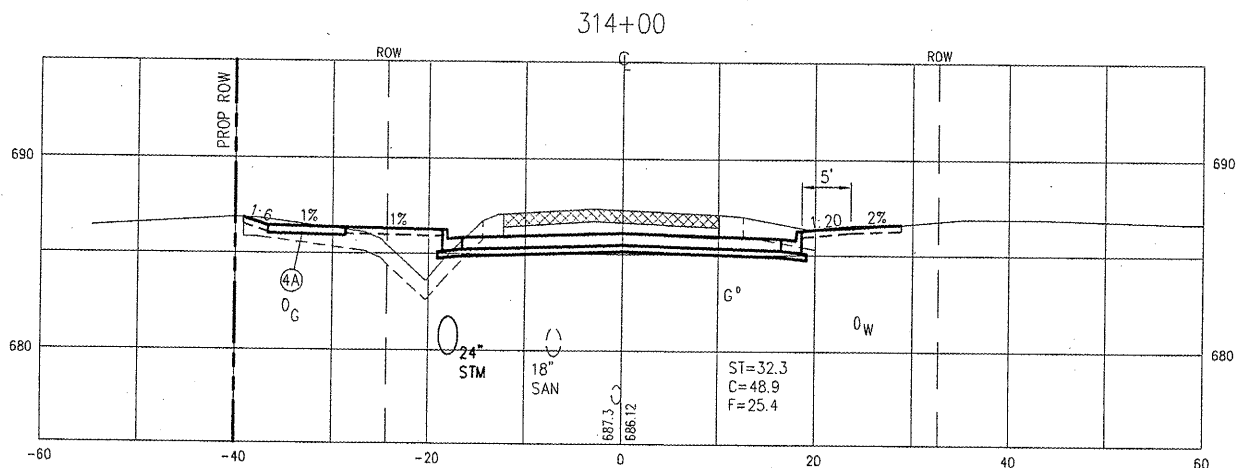
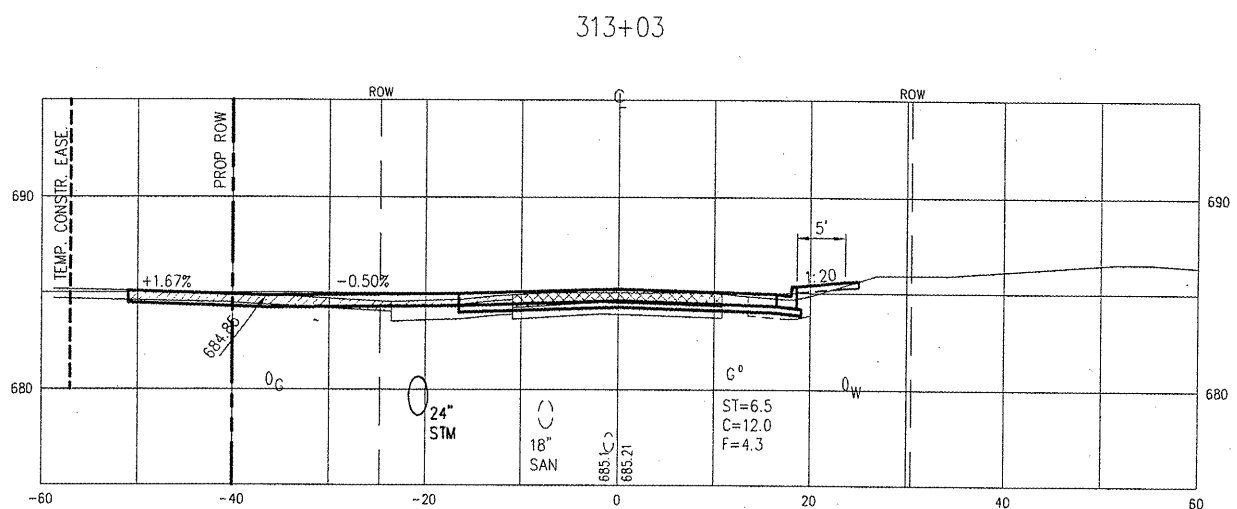
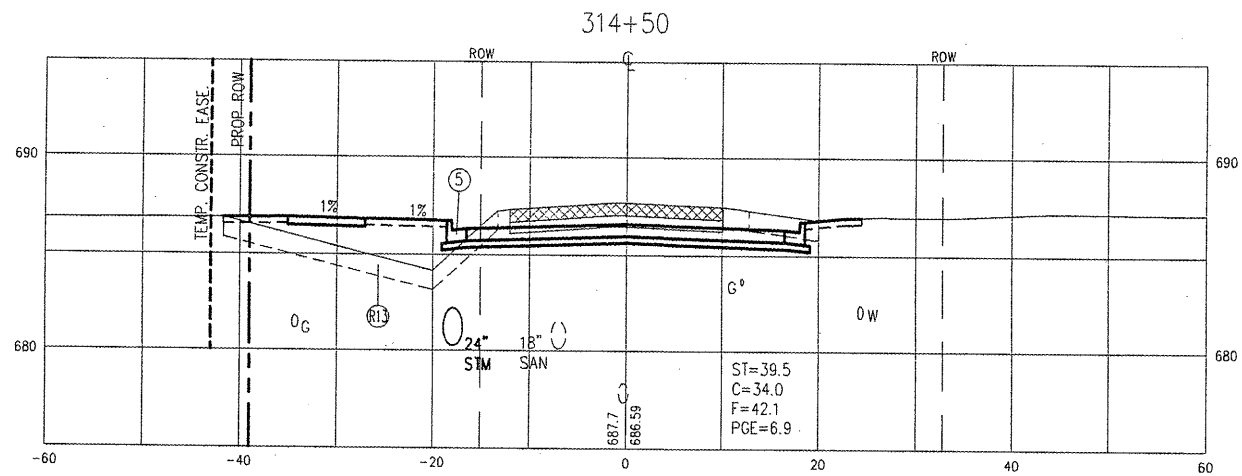
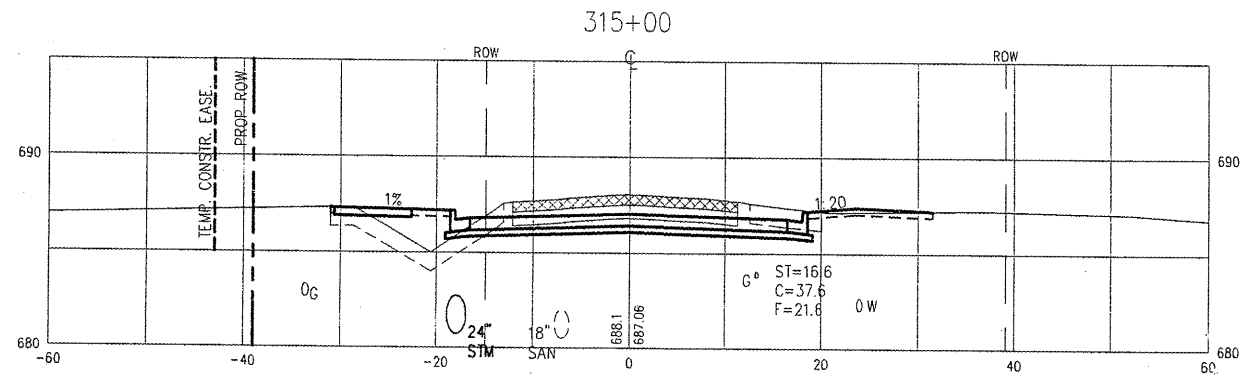
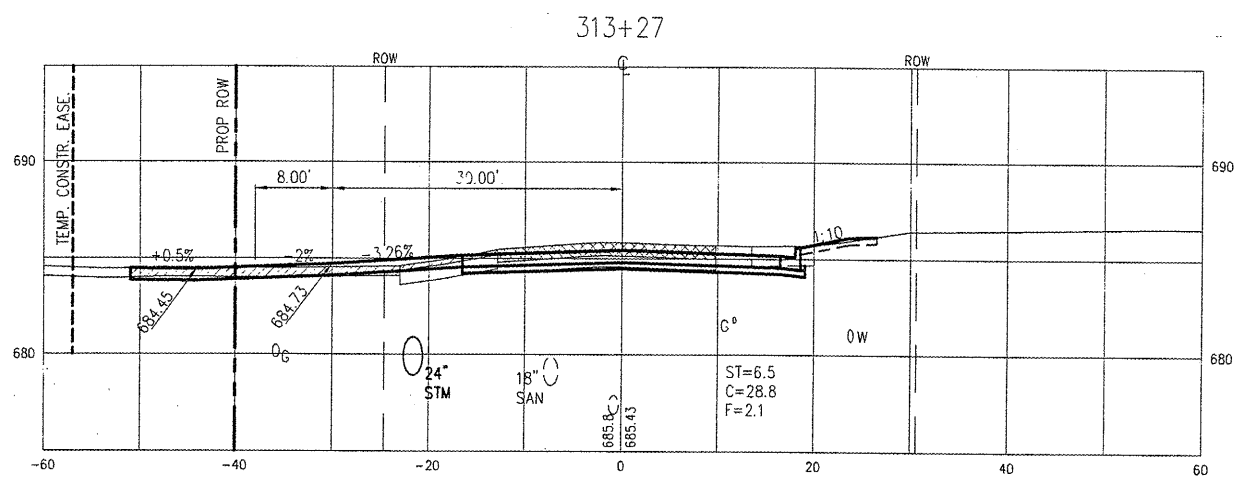
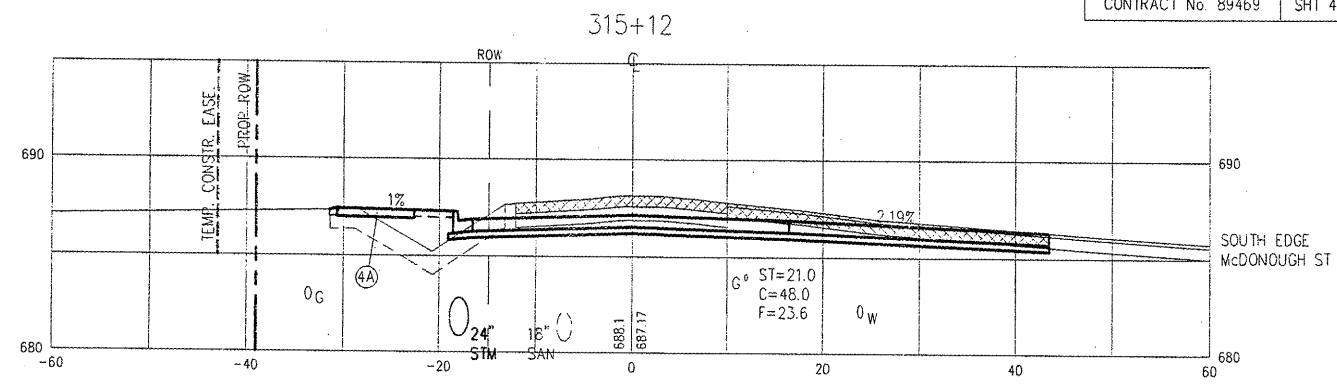
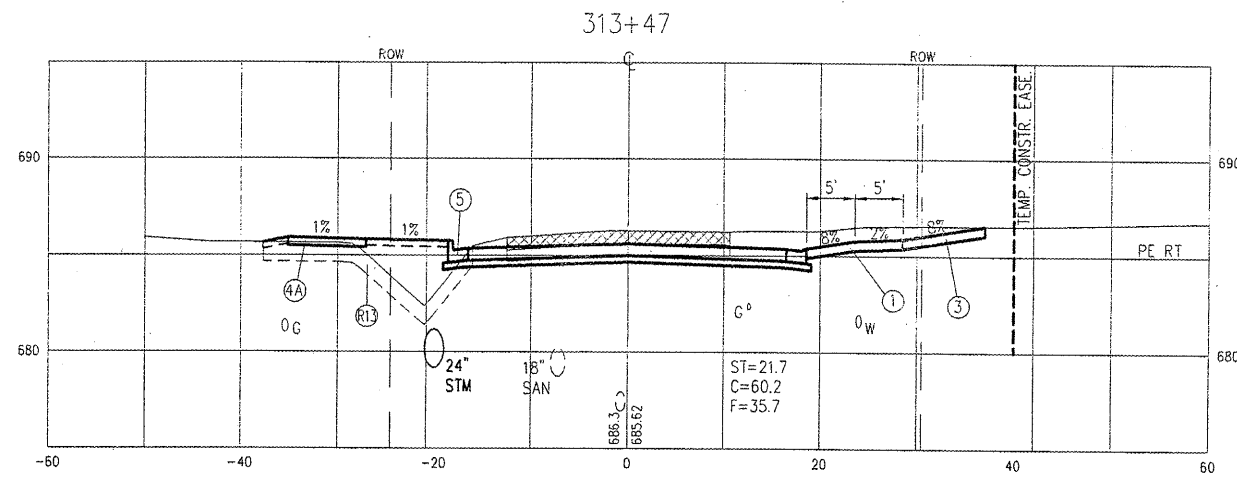




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 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: OCTOBER 2008

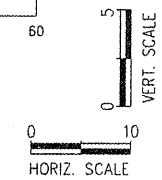
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 313+03 TO 315+12**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDST\WARD-ST-2007-I-SEC  
 FIELD BOOK No. 2257 JOB NUMBER: 03-28-06098  
 MACOMB, ILLINOIS



**LEGEND**

- |  |   |                                    |
|--|---|------------------------------------|
| ① PCC DRIVEWAY PAVEMENT, 6"            | ④A PCC SIDEWALK 5"                      | Ⓡ1 DRIVEWAY PAVEMENT REMOVAL       |
| ② PCC DRIVEWAY PAVEMENT, 7"            | ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18 | Ⓡ2 PAVEMENT REMOVAL                |
| ③ AGGREGATE SURFACE COURSE, TYPE A, 6" | ⑥ AGGREGATE SURFACE COURSE, TYPE A, 8"  | Ⓡ3 BRICK SIDEWALK REMOVAL          |
| ④ PCC SIDEWALK, 4"                     | ⑨ POROUS GRANULAR EMBANKMENT            | Ⓡ4 CONCRETE SIDEWALK REMOVAL       |
|  |   | Ⓡ5 CURB AND GUTTER REMOVAL         |
|  |   | Ⓡ13 REMOVAL OF UNSUITABLE MATERIAL |



**LEGEND**

- |  |   |                                    |
|--|---|------------------------------------|
| ① PCC DRIVEWAY PAVEMENT, 6"            | ④A PCC SIDEWALK 5"                      | Ⓡ1 DRIVEWAY PAVEMENT REMOVAL       |
| ② PCC DRIVEWAY PAVEMENT, 7"            | ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18 | Ⓡ2 PAVEMENT REMOVAL                |
| ③ AGGREGATE SURFACE COURSE, TYPE A, 6" | ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"  | Ⓡ3 BRICK SIDEWALK REMOVAL          |
| ④ PCC SIDEWALK, 4"                     | ⑨ POROUS GRANULAR EMBANKMENT            | Ⓡ4 CONCRETE SIDEWALK REMOVAL       |
|  |   | Ⓡ5 CURB AND GUTTER REMOVAL         |
|  |   | Ⓡ13 REMOVAL OF UNSUITABLE MATERIAL |

CITY OF MACOMB- WARD STREET  
 SEC. 06-09139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 50 OF 59

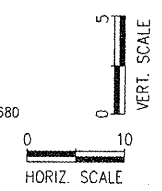
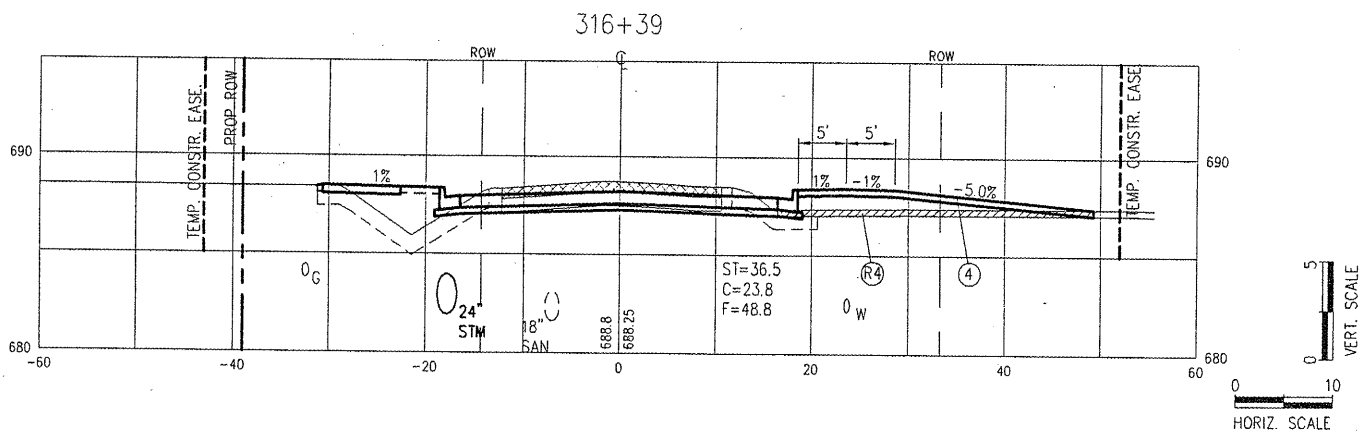
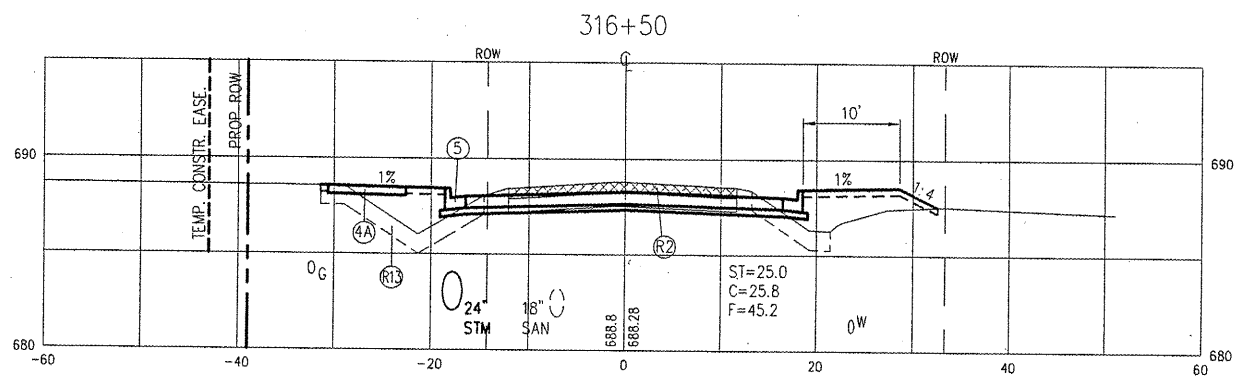
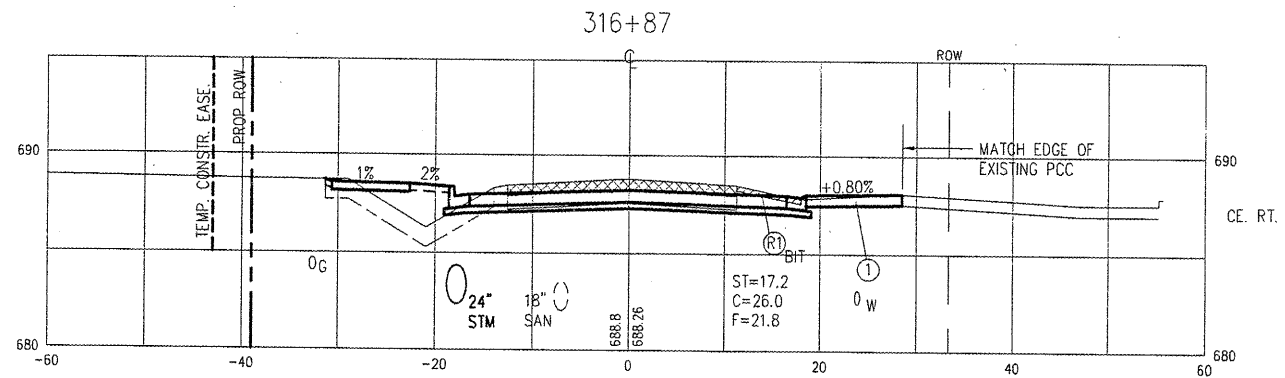
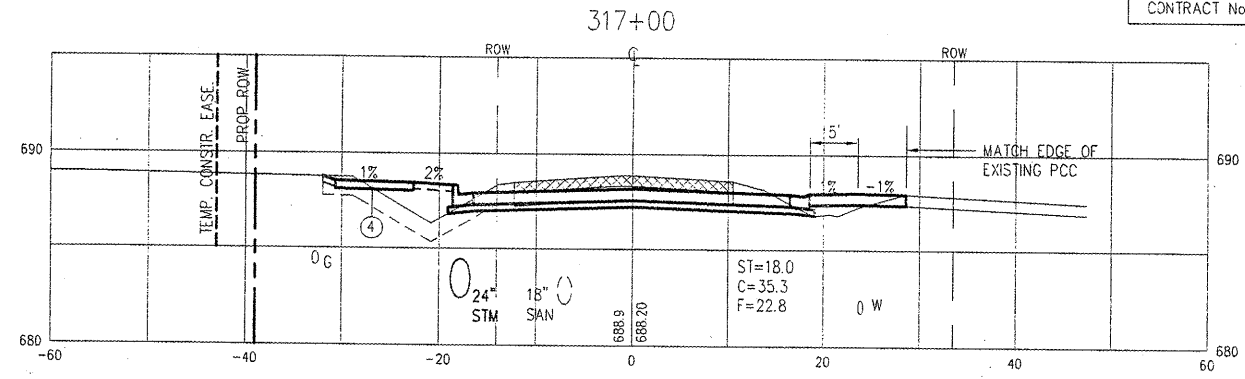
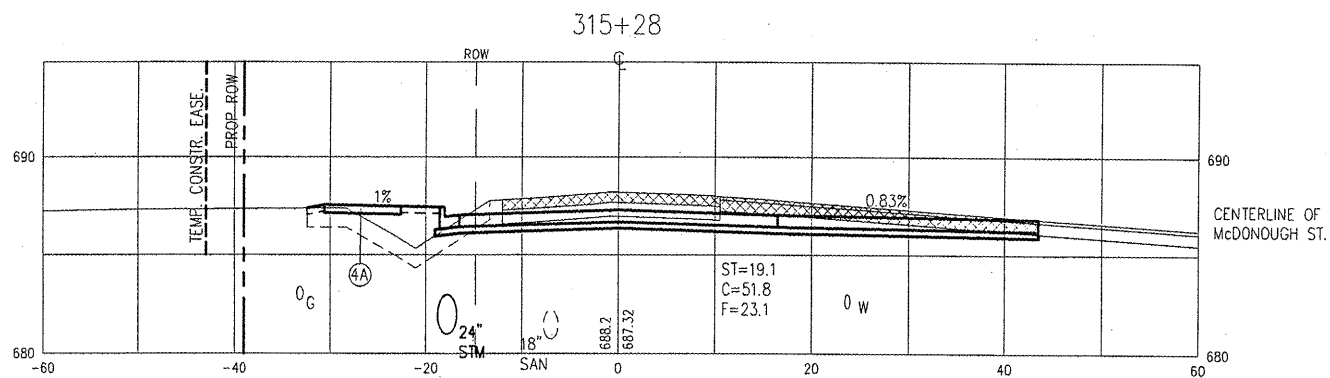
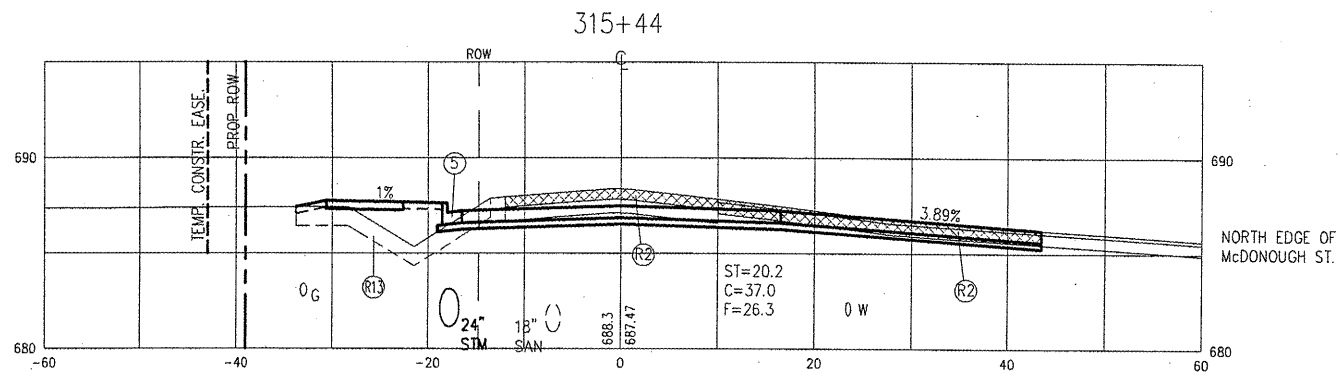
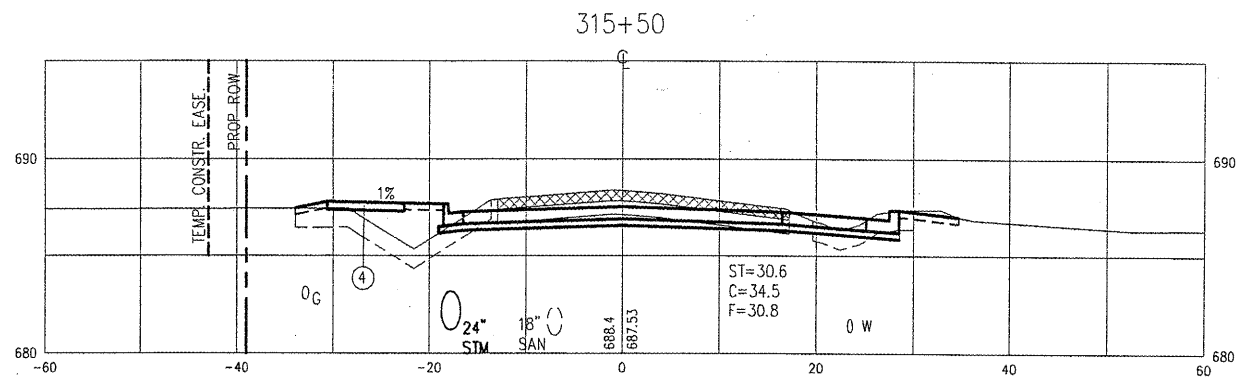
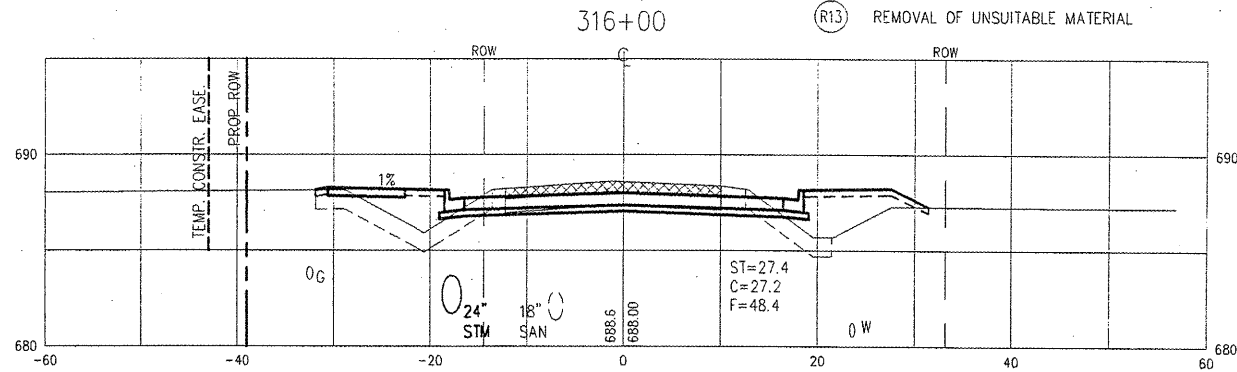
SHEET NO  
**50**  
 of **59**

**McClure**  
 Engineering Associates, Inc.  
 714 East Jackson Street  
 Macomb, Illinois 61455  
 (309) 833-4594 FAX (309) 837-4909  
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PLOTTING SCALE: 1" = 10'  
 DRAWN BY: JAB  
 CHECKED BY: JMR  
 DATE: OCTOBER 2009

REVISIONS	
NO.	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 315+28 TO 317+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDS\WARD-ST-2007-K-SEC  
 FIELD BOOK No. 2257 JOB NUMBER: 03-25-08029  
 MACOMB, ILLINOIS  
 JOB NUMBER: 03-25-08029

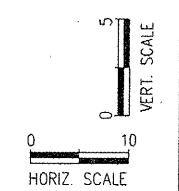
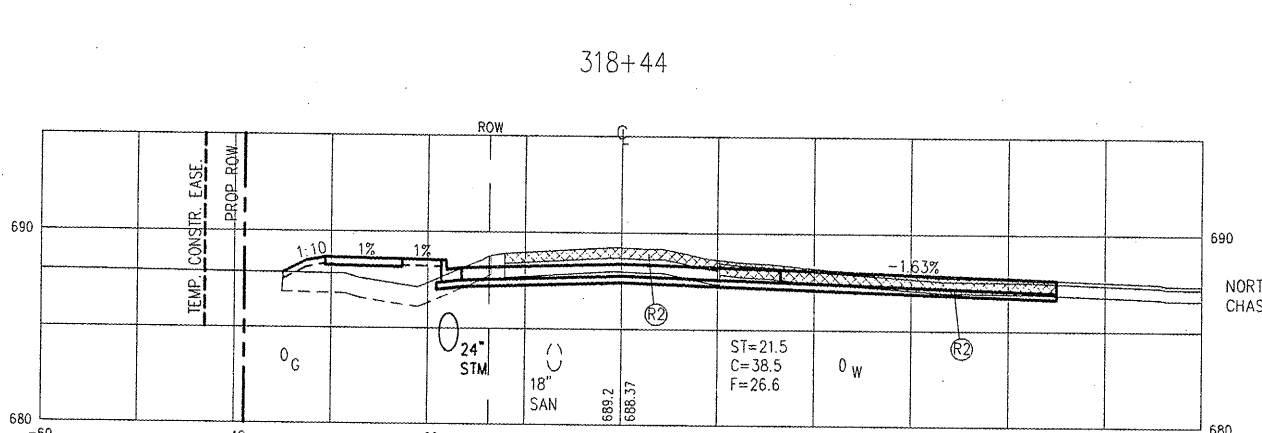
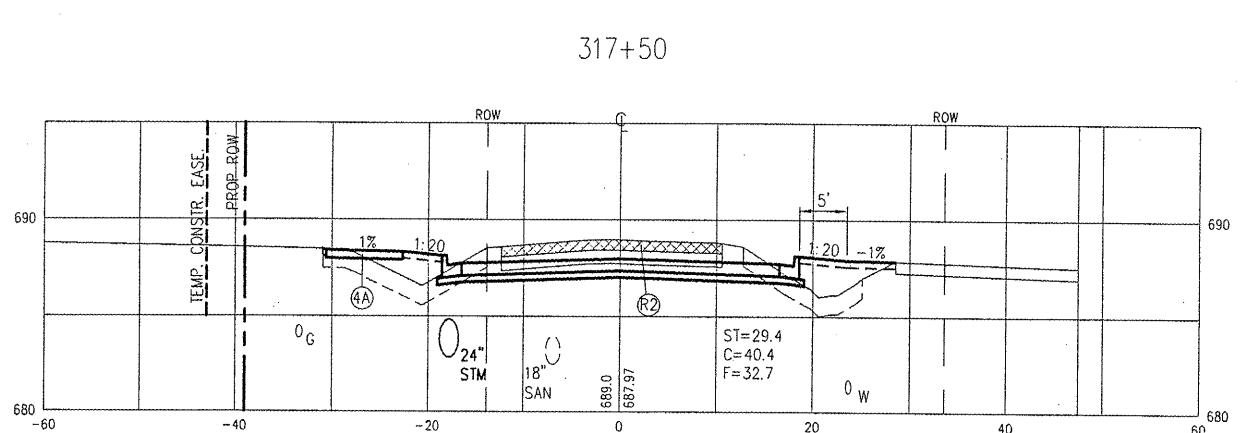
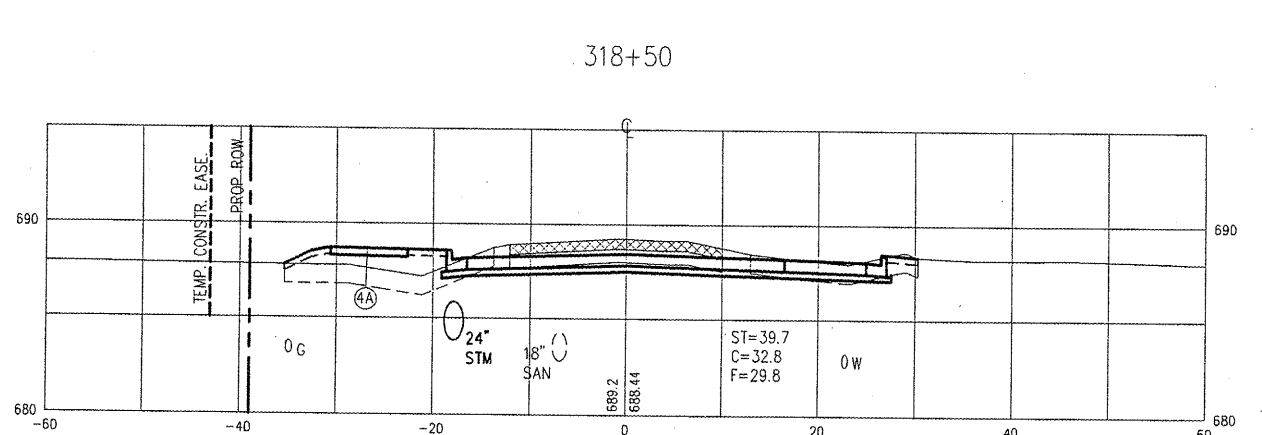
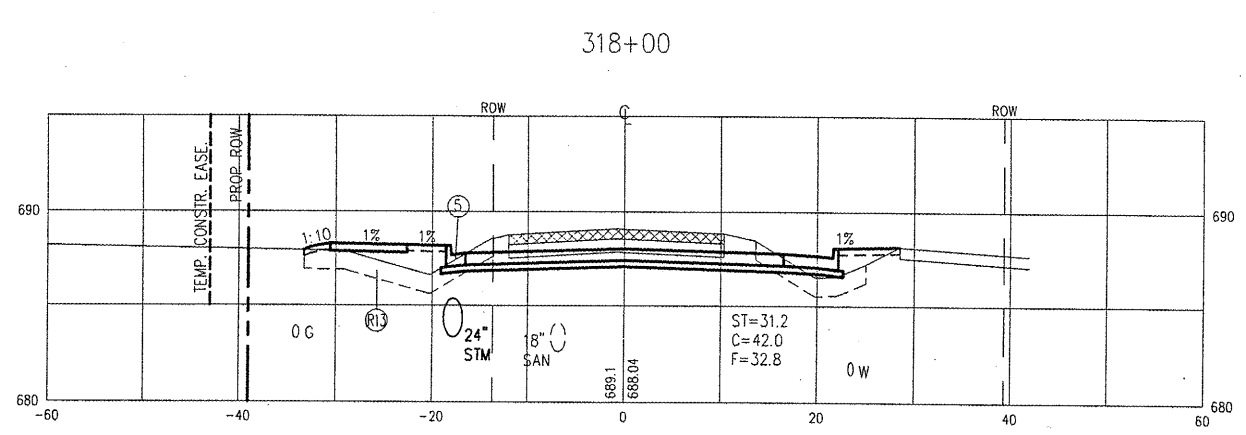
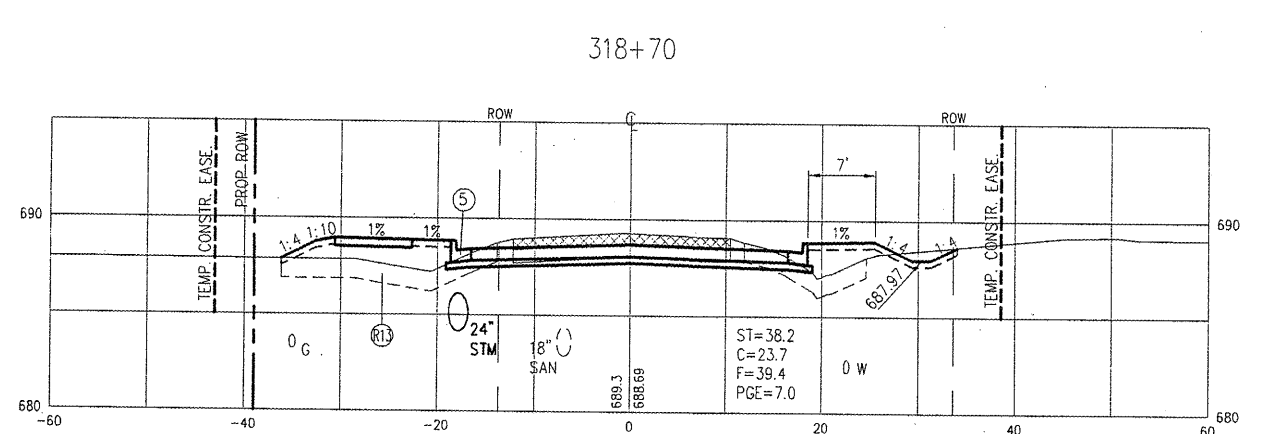
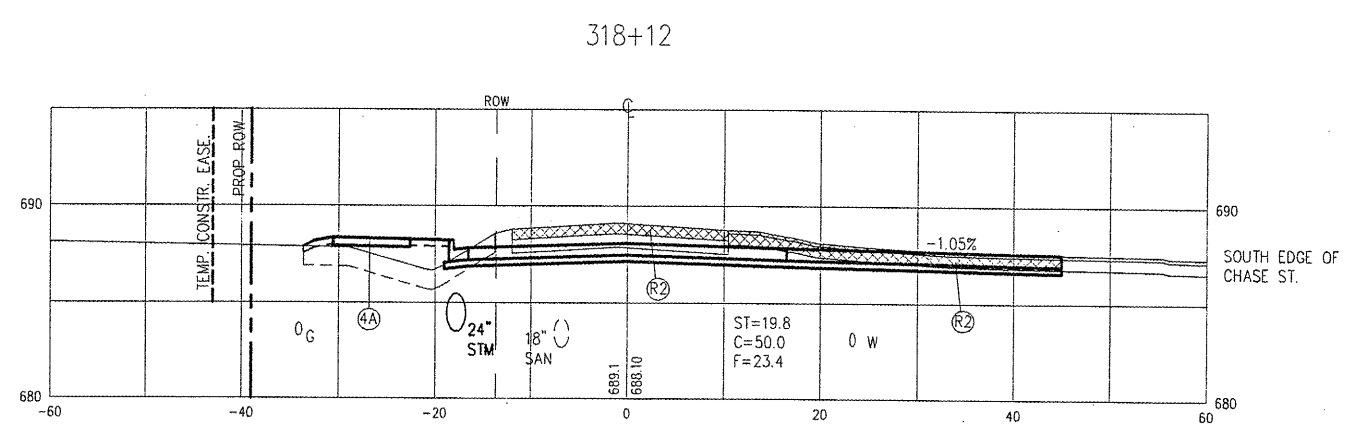
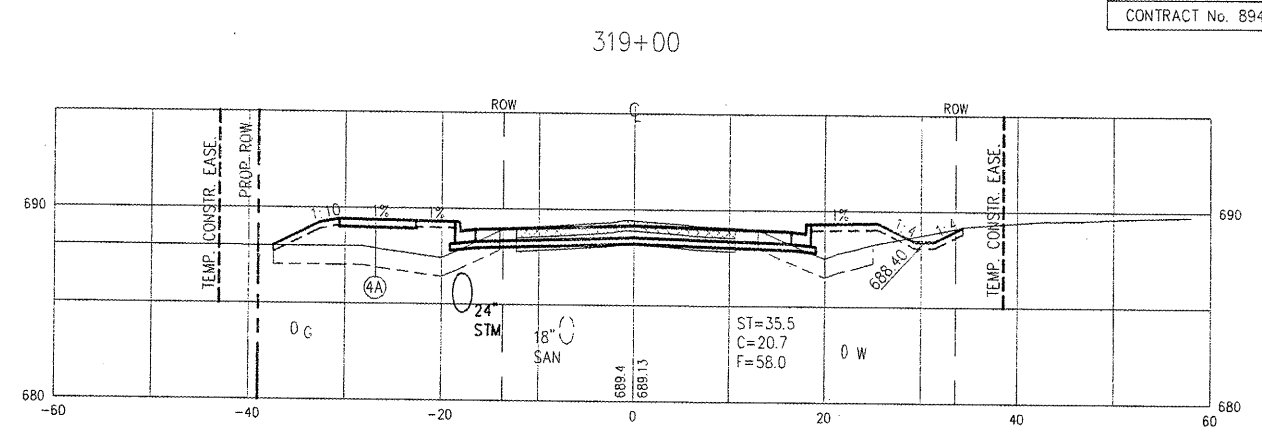
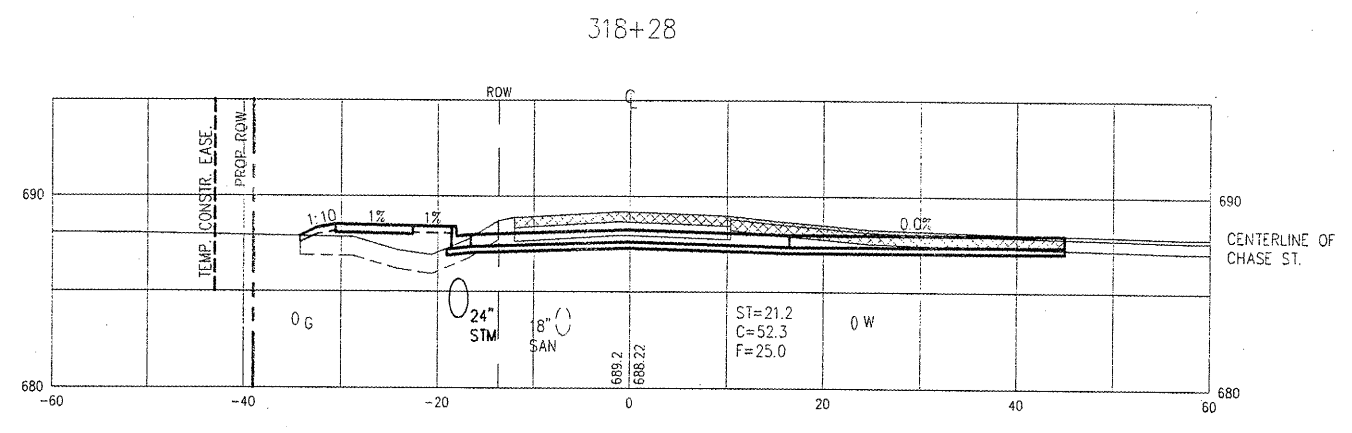


**McClure**  
 Engineering Associates, Inc.  
 714 East Jackson Street  
 Macomb, Illinois 61455  
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PLOTTING SCALE: 1" = 10'  
 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: OCTOBER 2008

NO.	REVISIONS	DATE

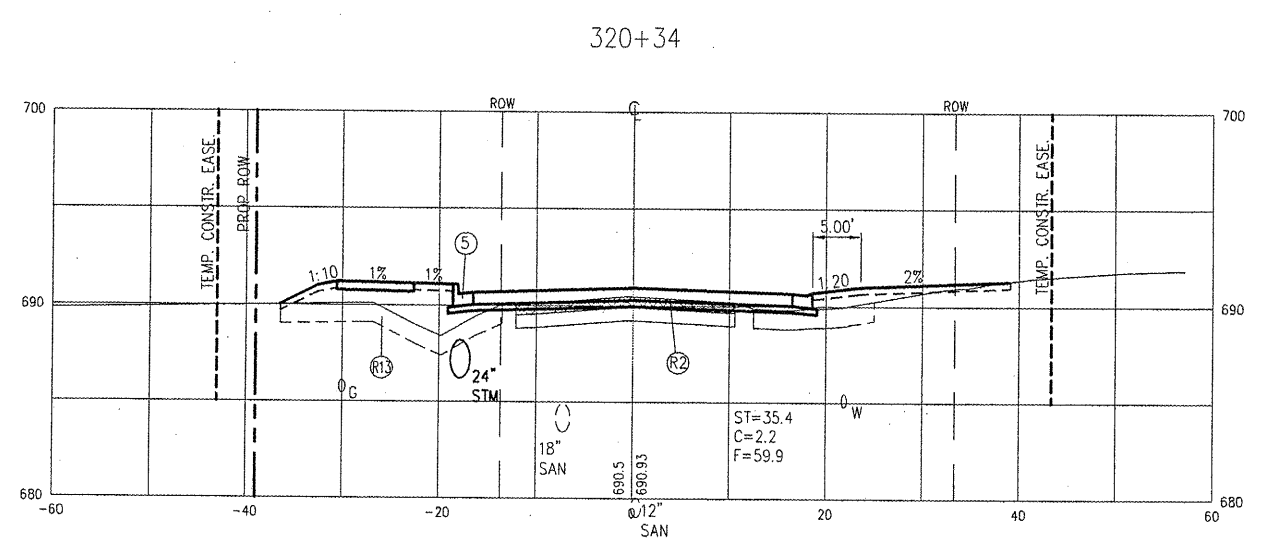
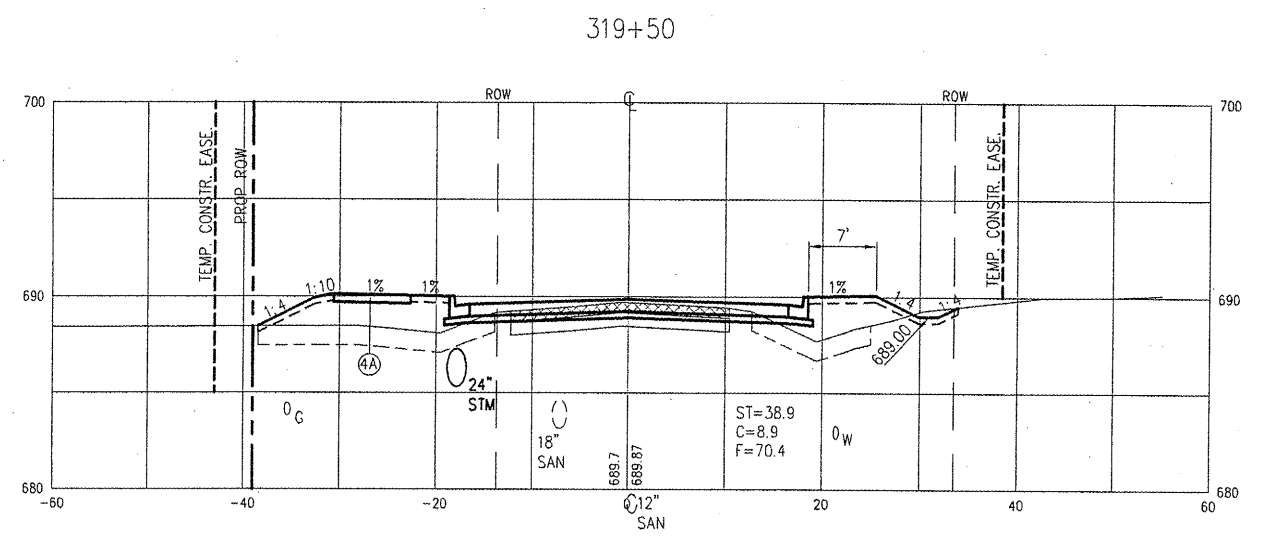
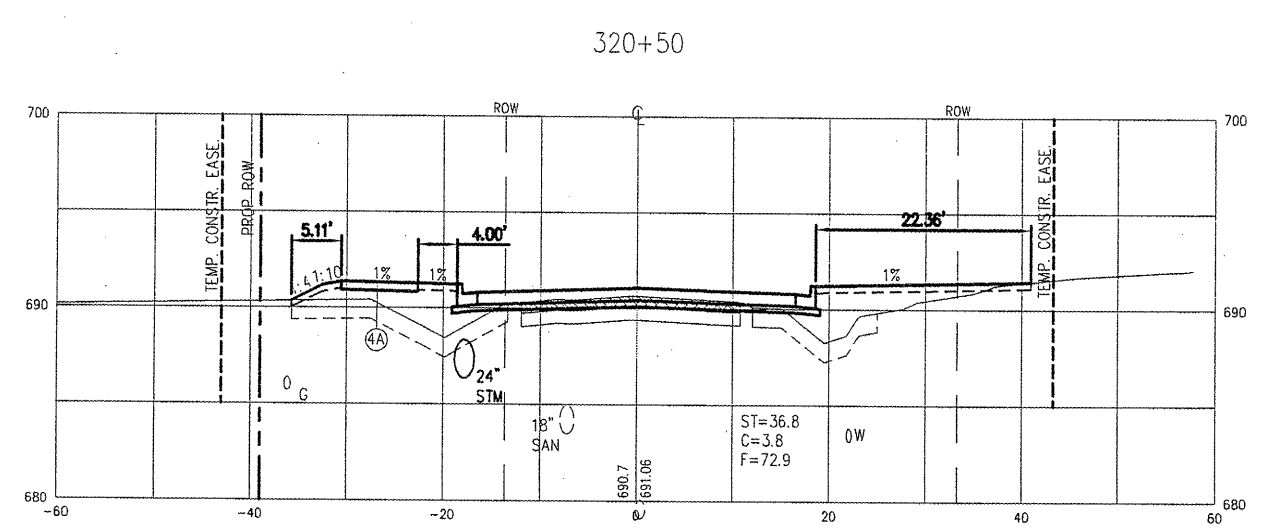
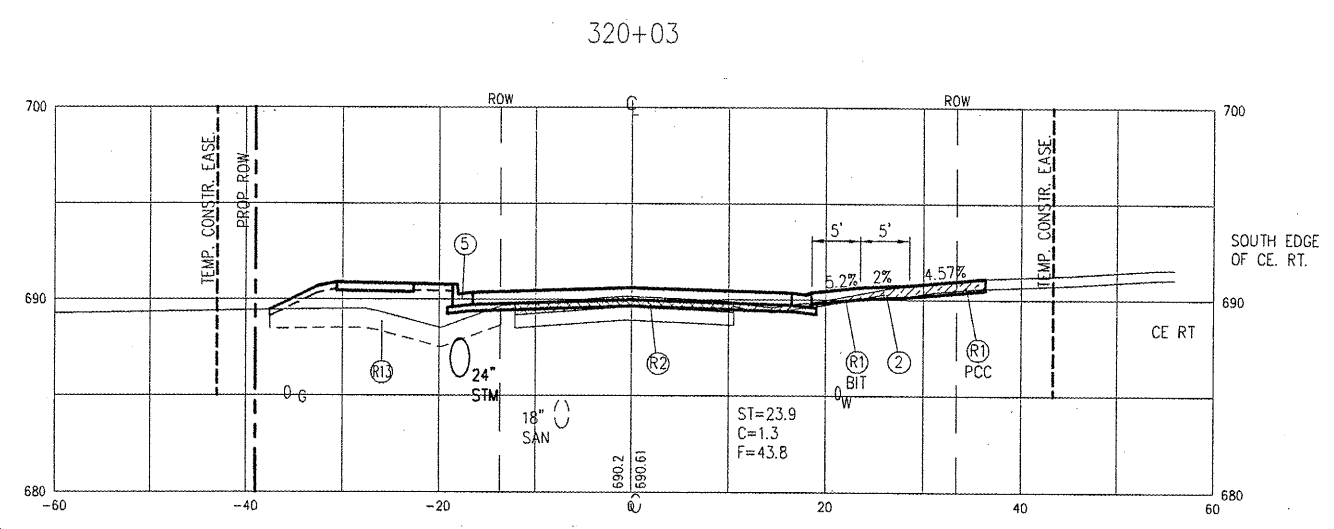
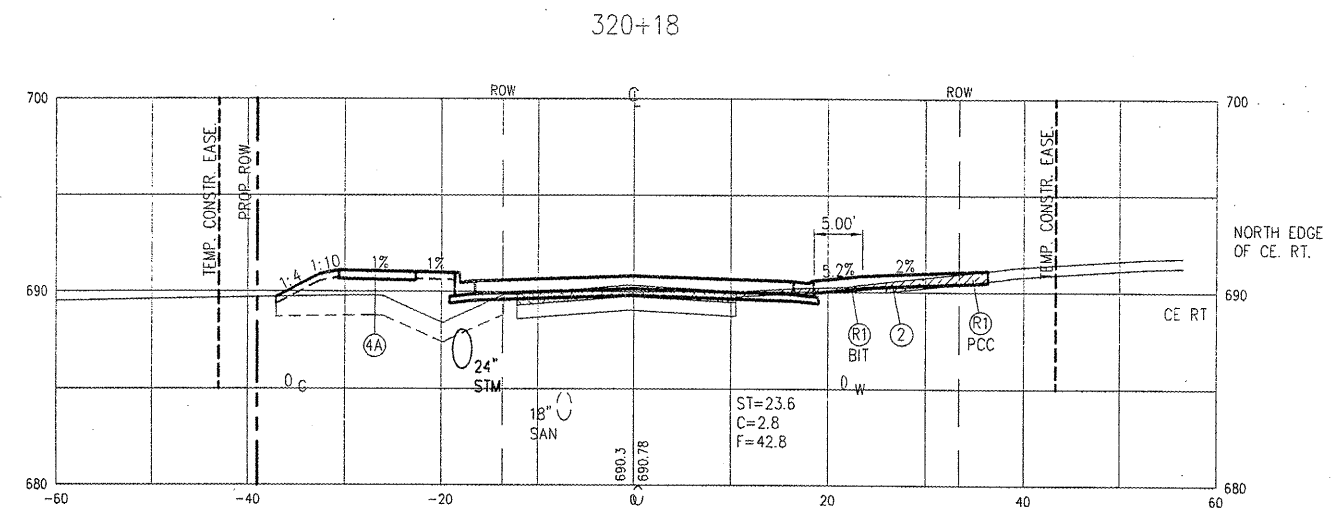
**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 317+50 TO 319+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDST\WARD-ST-2007-X-SEC  
 MACOMB, ILLINOIS  
 FIELD BOOK No. 2257 JOB NUMBER: 01-26-0802B



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 Engineering Associates, Inc.  
 714 East Jackson Street  
 Macomb, Illinois 61455  
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 FAX (618) 333-4909  
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**LEGEND**

- ① PCC DRIVEWAY PAVEMENT, 6"
- ④A PCC SIDEWALK 5"
- Ⓡ1 DRIVEWAY PAVEMENT REMOVAL
- ② PCC DRIVEWAY PAVEMENT, 7"
- ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
- Ⓡ2 PAVEMENT REMOVAL
- ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
- ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
- Ⓡ3 BRICK SIDEWALK REMOVAL
- ④ PCC SIDEWALK, 4"
- ⑨ POROUS GRANULAR EMBANKMENT
- Ⓡ4 CONCRETE SIDEWALK REMOVAL
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- Ⓡ5 CURB AND GUTTER REMOVAL
- Ⓡ13 REMOVAL OF UNSUITABLE MATERIAL

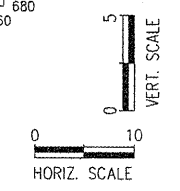


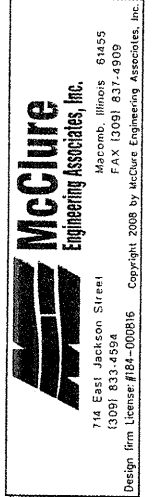
PLOTTING SCALE: 1" = 10'  
 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 319+50 TO 320+50**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARDST\WARD-ST-2007-K-SEC  
 FIELD BOOK No. 2257 JOB NUMBER: 03-28-0809  
 MACOMB, ILLINOIS



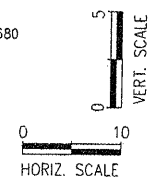
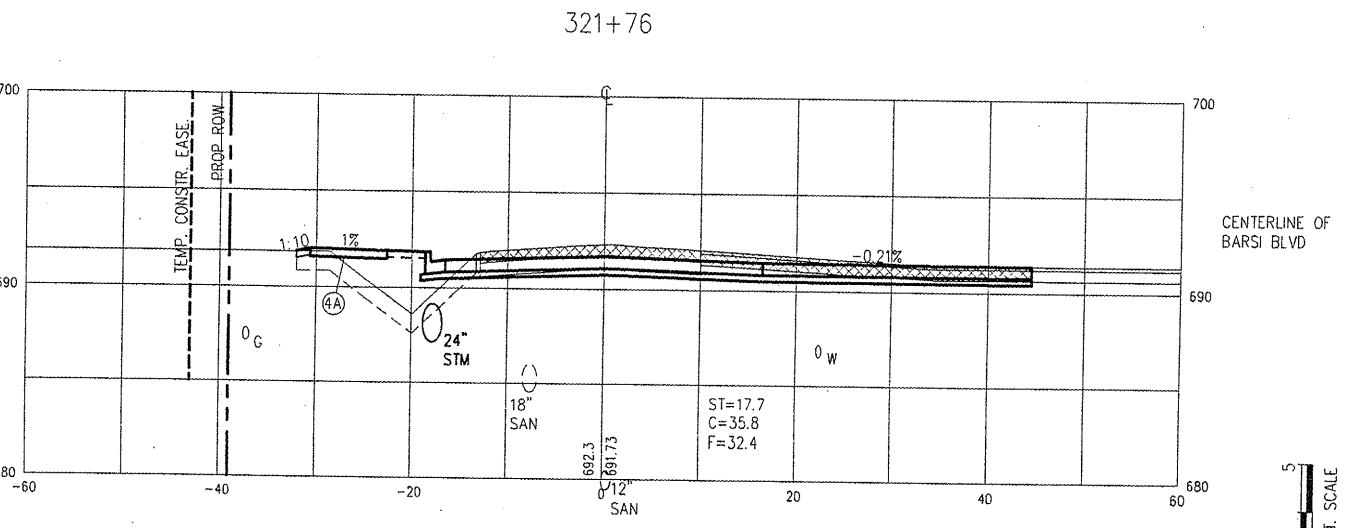
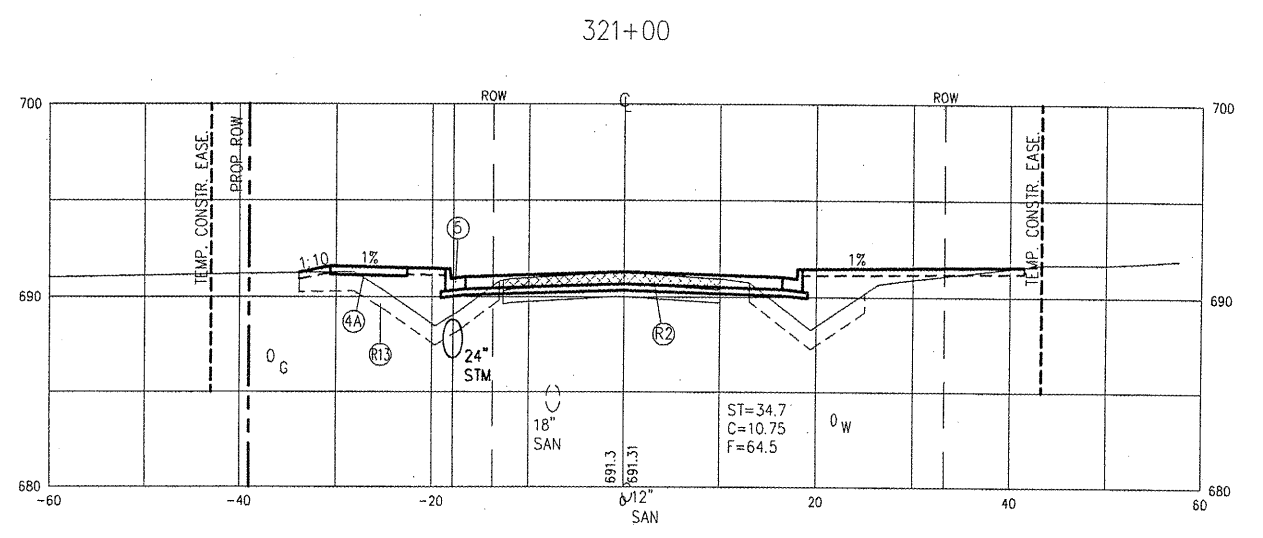
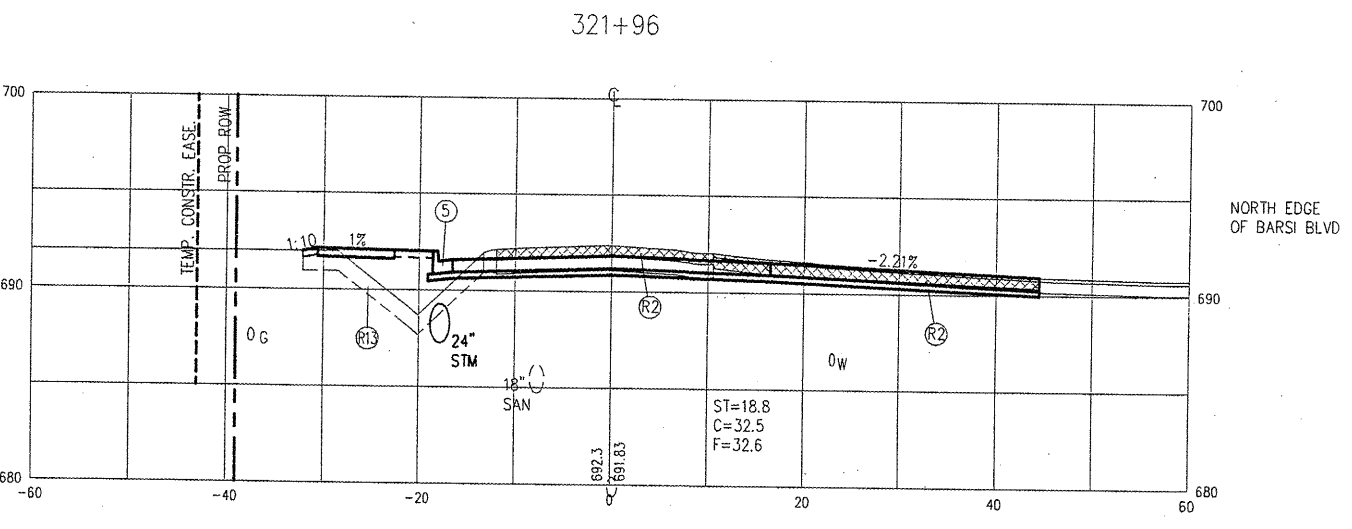
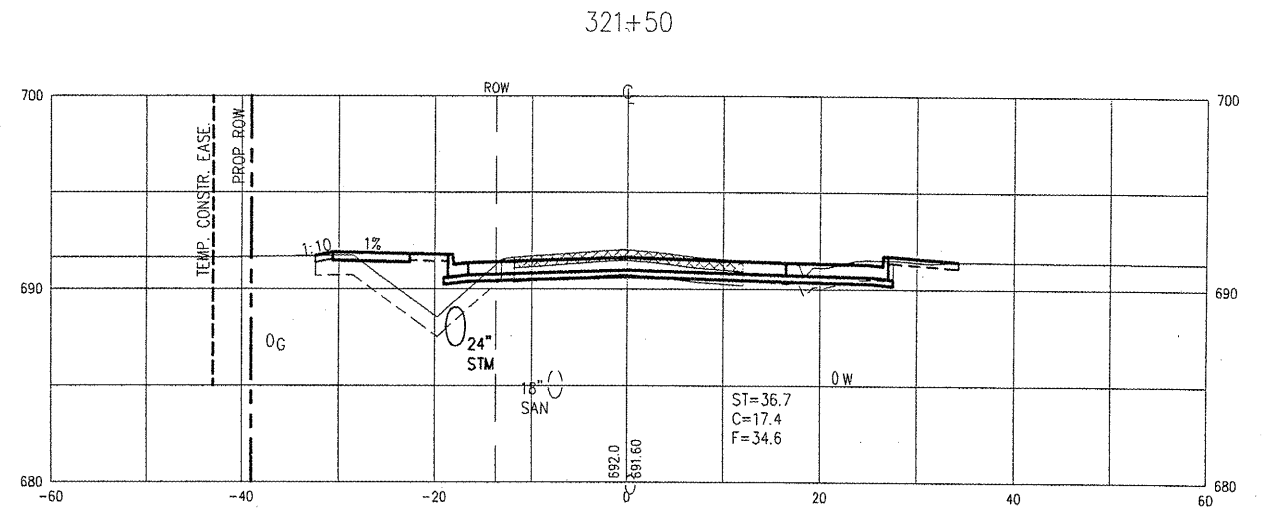
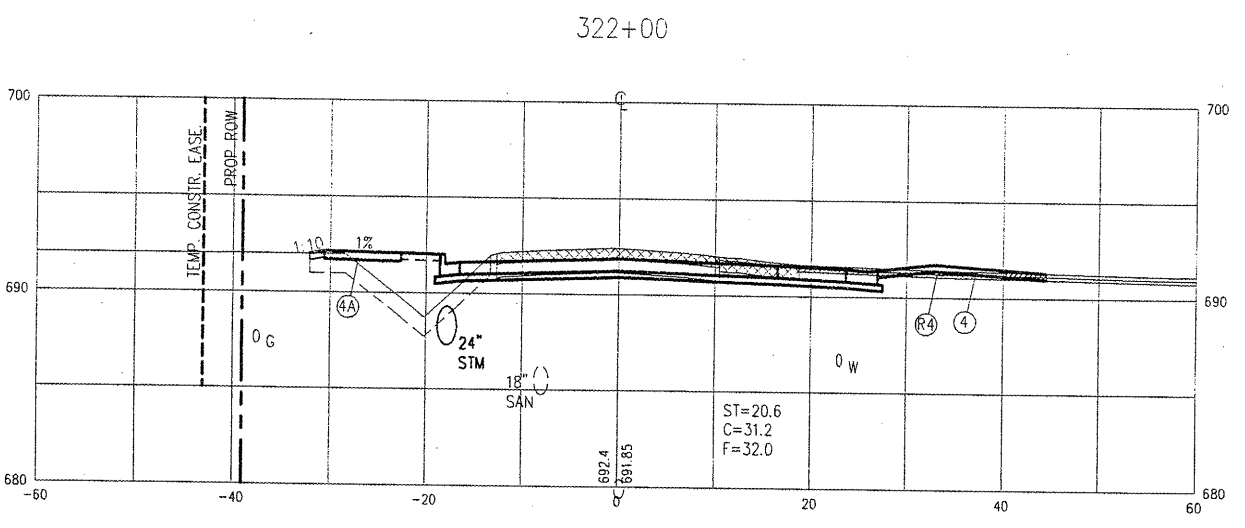
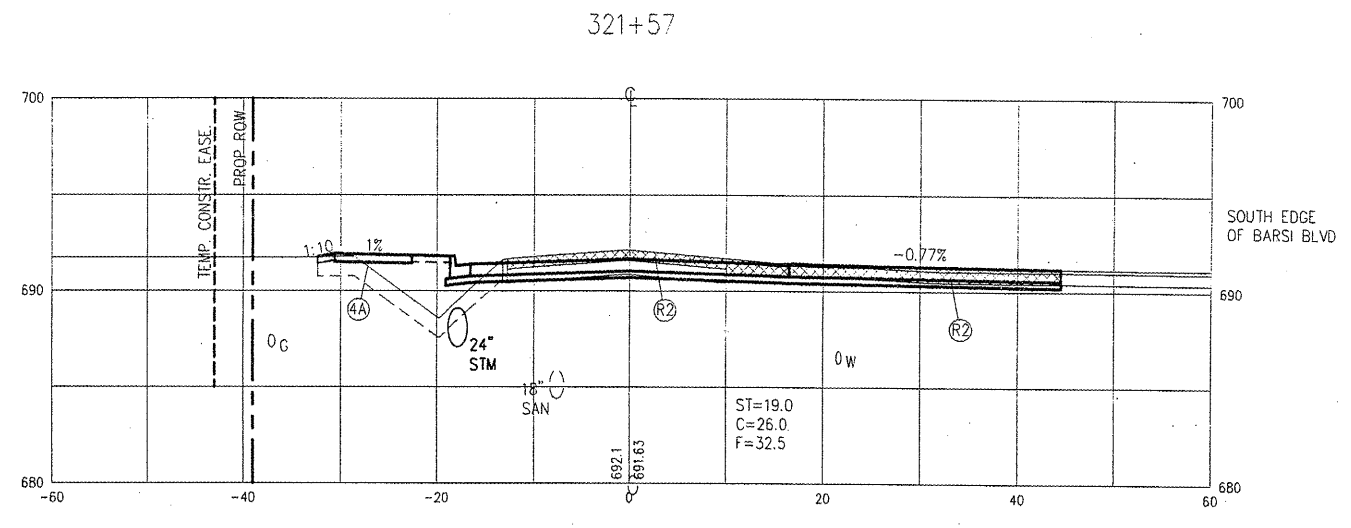


PLOTTING SCALE:	1" = 10'
DRAWN BY:	TAB
CHECKED BY:	JAR
DATE:	OCTOBER 2008

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 321+00 TO 322+00**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARDST\WARD-ST-2007-K-SEC  
 MACOMB, ILLINOIS  
 FIELD BOOK No. 2257 JOB NUMBER: 01-28-08098



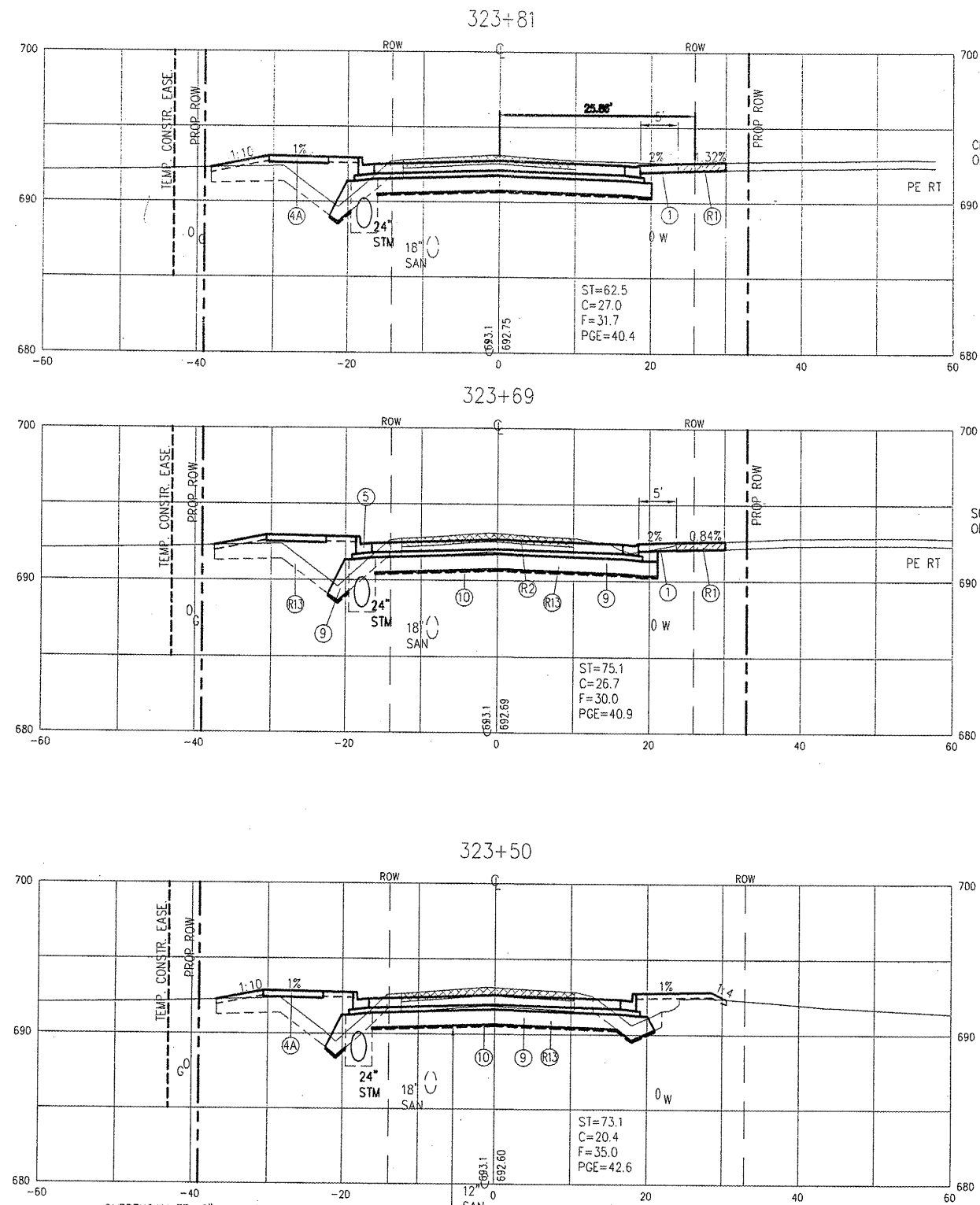
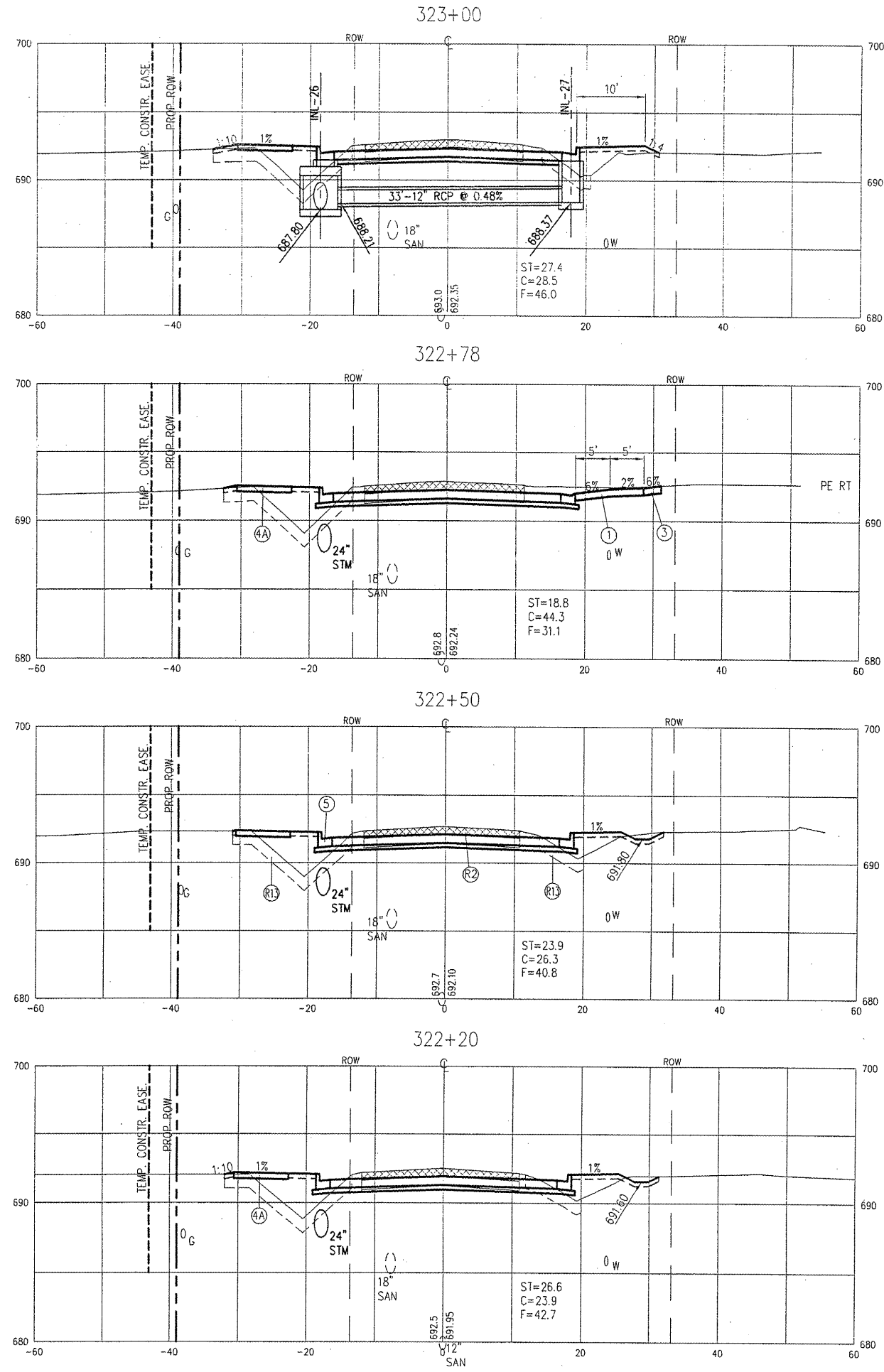


FLOTTING SCALE: 1" = 10'	TAB
DRAWN BY: JAR	JAR
CHECKED BY: JAR	JAR
DATE: OCTOBER 2008	

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 322+20 TO 323+81**  
 CITY OF MACOMB

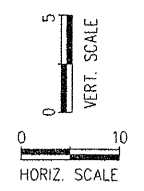
SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARDST\WARD-ST-2007-X-SEC  
 FIELD BOOK No: 2257 JOB NUMBER: 01-28-06089  
 MACOMB, ILLINOIS



OVEREXCAVATE 12" MIN AND REPLACE WITH POROUS GRANULAR EMBANKMENT AND GEOTECHNICAL FABRIC OR AS DIRECTED BY THE ENGINEER

**LEGEND**

- ① PCC DRIVEWAY PAVEMENT, 6"
- ④A PCC SIDEWALK 5"
- ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
- ⑧ DRIVEWAY PAVEMENT REMOVAL
- ② PCC DRIVEWAY PAVEMENT, 7"
- ⑥ AGGREGATE SURFACE COURSE, TYPE A, 8"
- ⑨ PORDUS GRANULAR EMBANKMENT
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
- ⑦ PCC SIDEWALK, 4"
- ⑪ 12" SAN
- ⑫ 18" SAN
- ⑬ 18" SAN
- ⑭ 18" SAN
- ⑮ 18" SAN
- ⑯ 18" SAN
- ⑰ 18" SAN
- ⑱ 18" SAN
- ⑲ R1 DRIVEWAY PAVEMENT REMOVAL
- ⑲ R2 PAVEMENT REMOVAL
- ⑲ R3 BRICK SIDEWALK REMOVAL
- ⑲ R4 CONCRETE SIDEWALK REMOVAL
- ⑲ R5 CURB AND GUTTER REMOVAL
- ⑲ R13 REMOVAL OF UNSUITABLE MATERIAL



**LEGEND**

- (1) PCC DRIVEWAY PAVEMENT, 6"
- (4A) PCC SIDEWALK 5"
- (R1) DRIVEWAY PAVEMENT REMOVAL
- (2) PCC DRIVEWAY PAVEMENT, 7"
- (5) COMB. CONC. CURB & GUTTER, TYPE B6.18
- (R2) PAVEMENT REMOVAL
- (3) AGGREGATE SURFACE COURSE, TYPE A, 6"
- (8) AGGREGATE SURFACE COURSE, TYPE A, 6"
- (R3) BRICK SIDEWALK, REMOVAL
- (9) POROUS GRANULAR EMBANKMENT
- (R4) CONCRETE SIDEWALK REMOVAL
- (4) PCC SIDEWALK, 4"
- (10) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (R5) CURB AND GUTTER REMOVAL
- (R13) REMOVAL OF UNSUITABLE MATERIAL

CITY OF MACOMB - WARD STREET  
 SEC. 06-00139-00-PV F.A.U. 6919  
 PROJ. M05040 (009)  
 CONTRACT No. 89469 SHT 55 OF 59

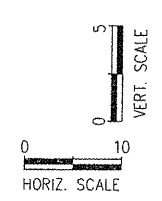
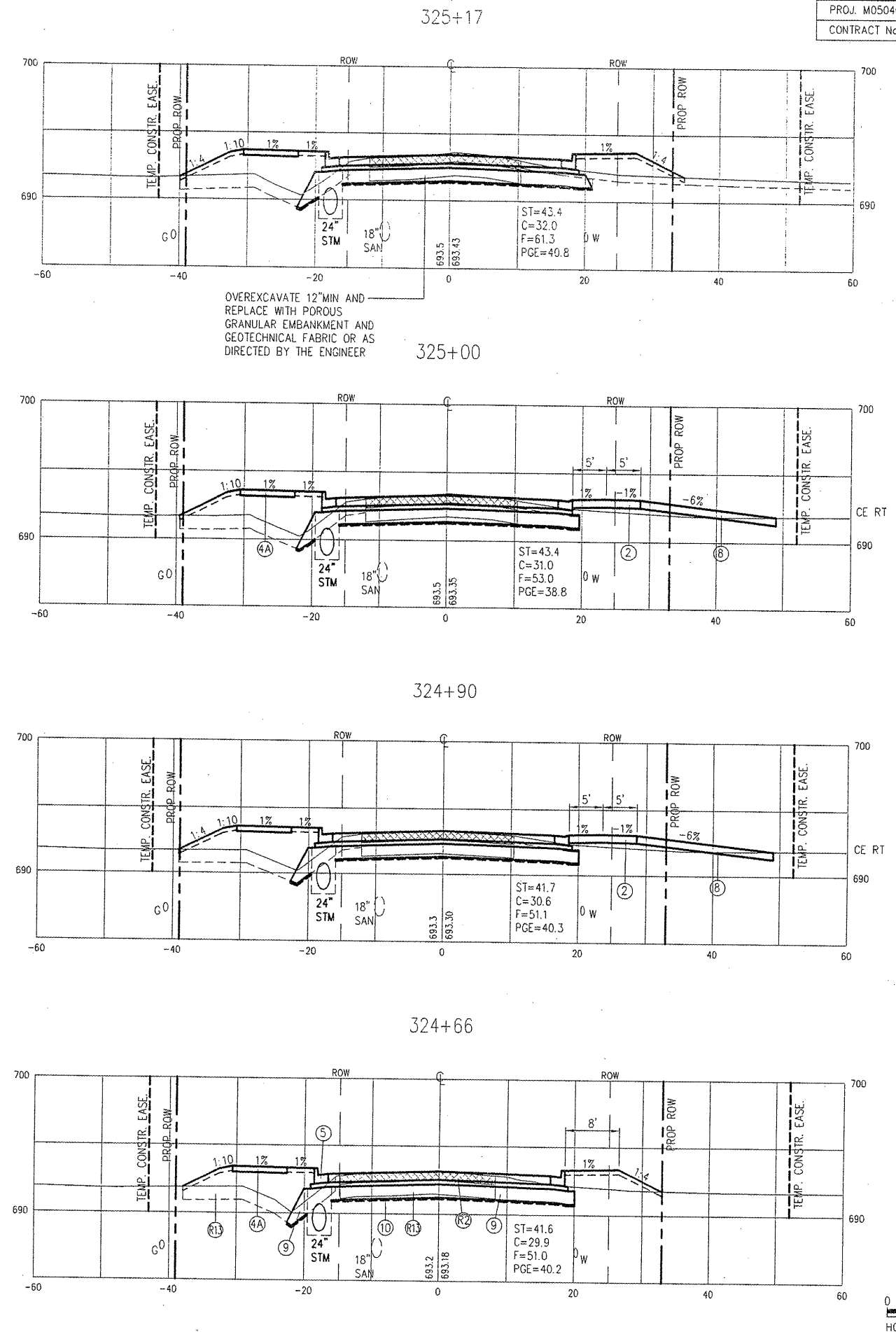
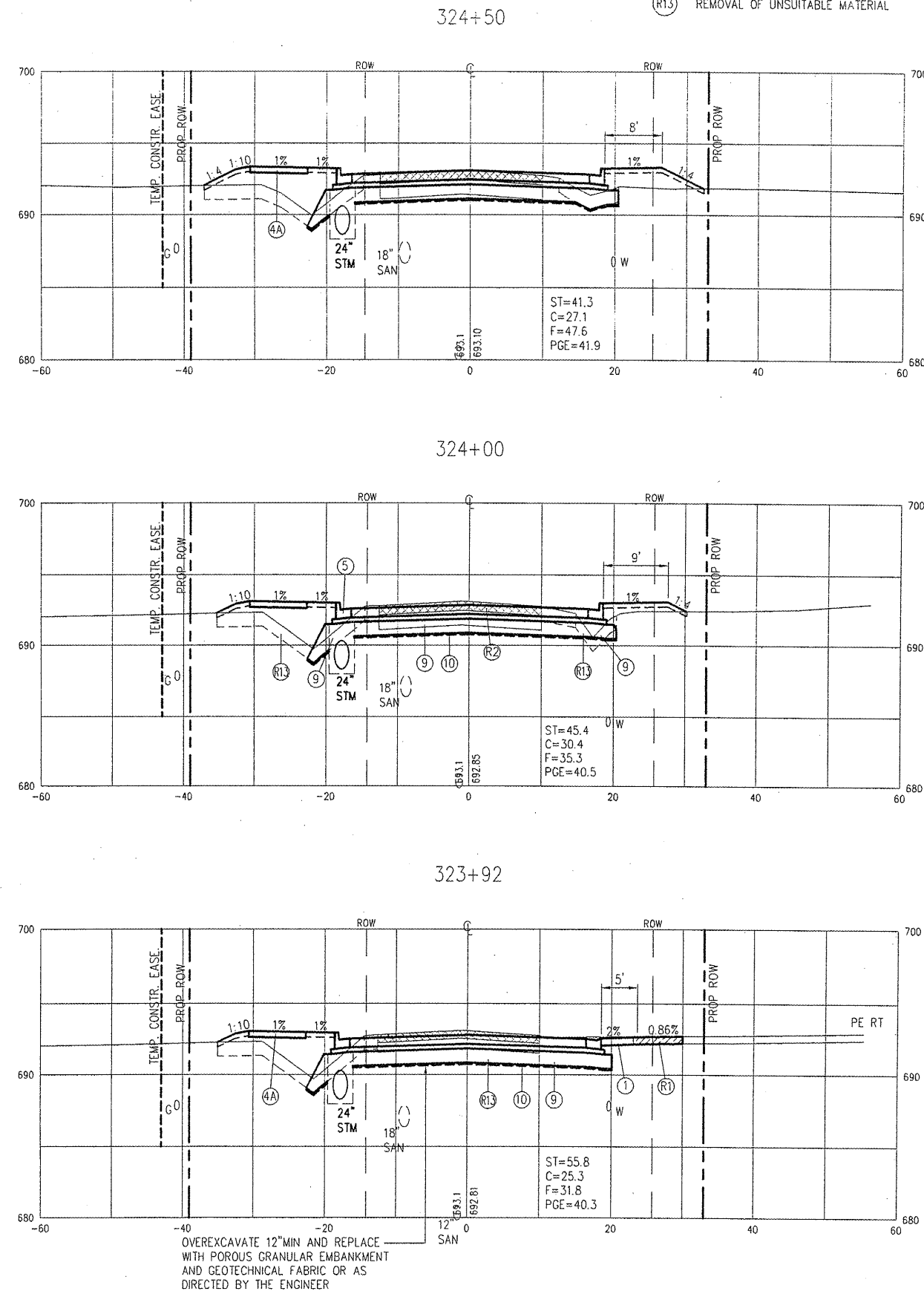
SHEET NO.  
**55**  
 of **59**

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 Macomb, Illinois 61455  
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PLOTTING SCALE: 1" = 10'  
 DRAWN BY: TAG  
 CHECKED BY: JAR  
 DATE: OCTOBER 2008

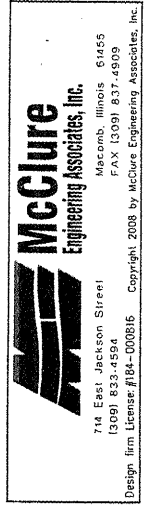
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 323+92 TO 325+17**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARDST\WARD-ST-2007-Y-SEC  
 FIELD BOOK No. 2257 JOB NUMBER: 03-26-0898



OVEREXCAVATE 12" MIN AND REPLACE WITH POROUS GRANULAR EMBANKMENT AND GEOTECHNICAL FABRIC OR AS DIRECTED BY THE ENGINEER

OVEREXCAVATE 12" MIN AND REPLACE WITH POROUS GRANULAR EMBANKMENT AND GEOTECHNICAL FABRIC OR AS DIRECTED BY THE ENGINEER

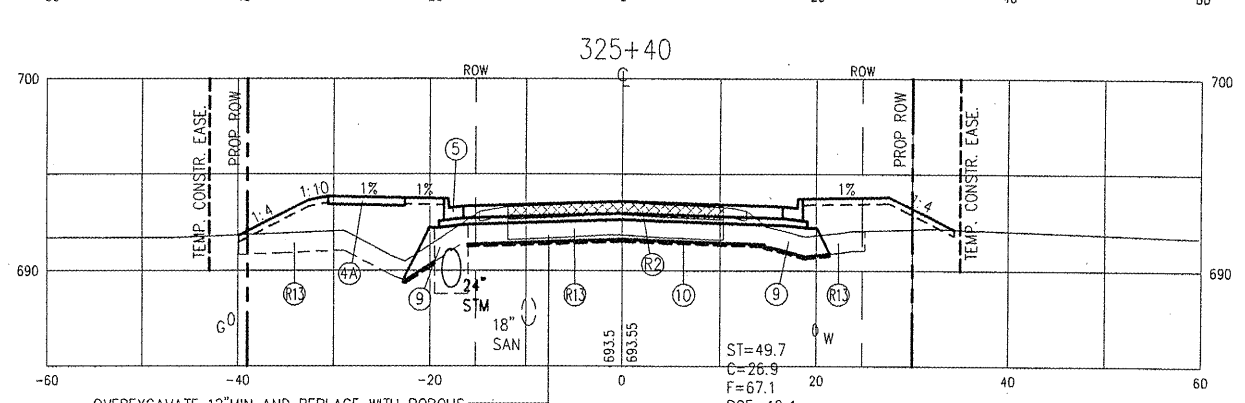
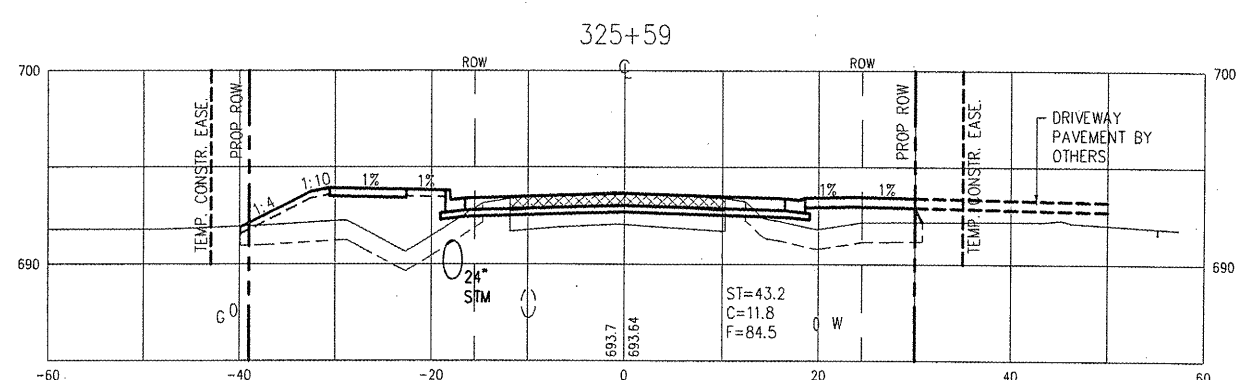
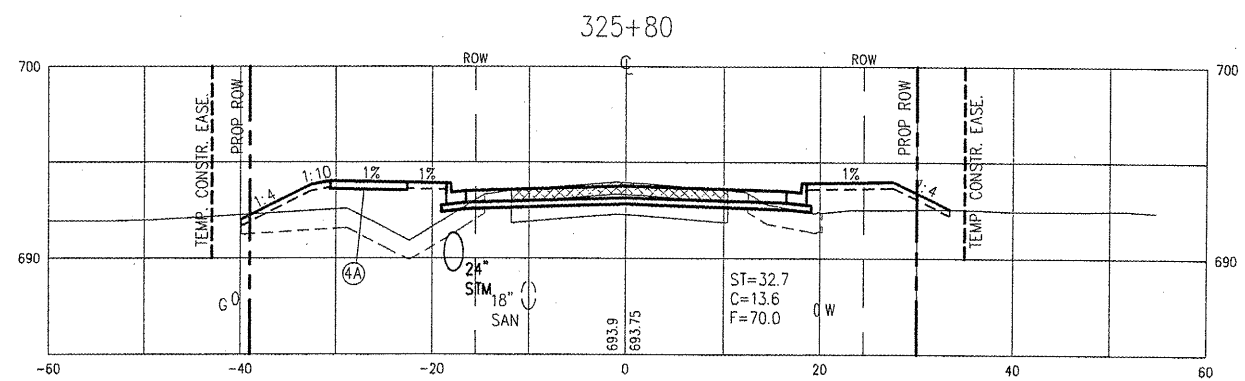
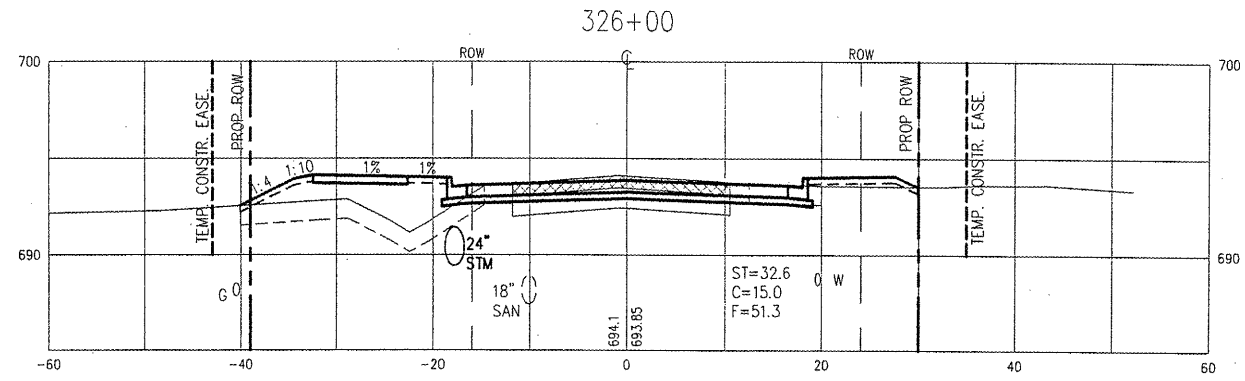
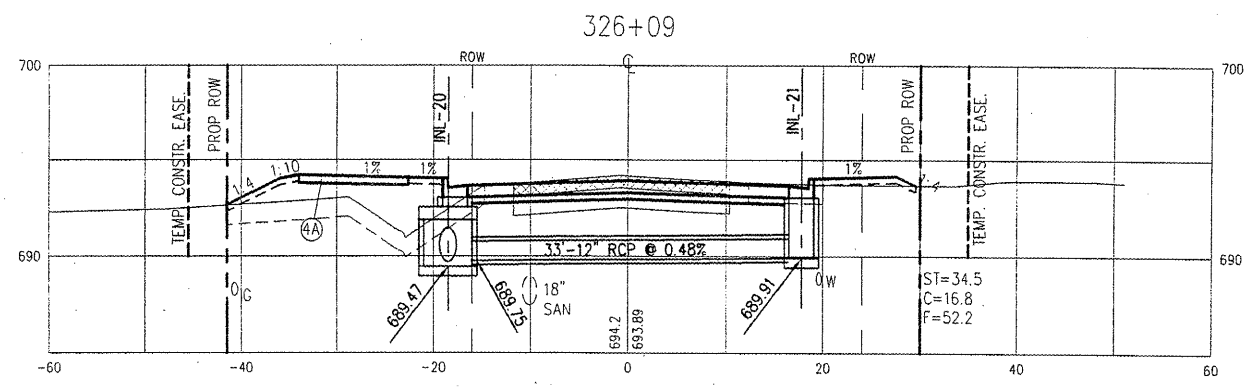


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DRAWN BY: JAR	JAR
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DATE: OCTOBER 2008	

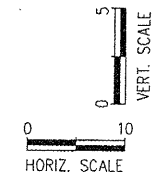
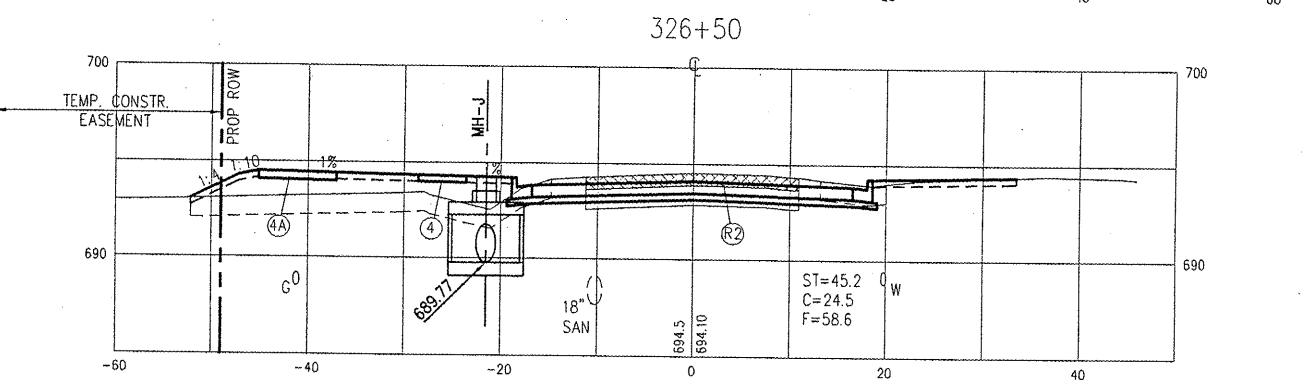
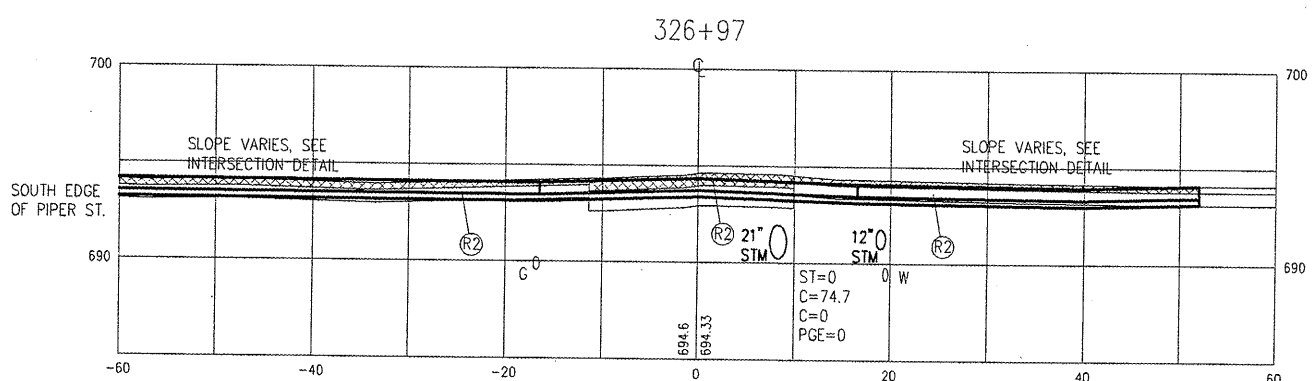
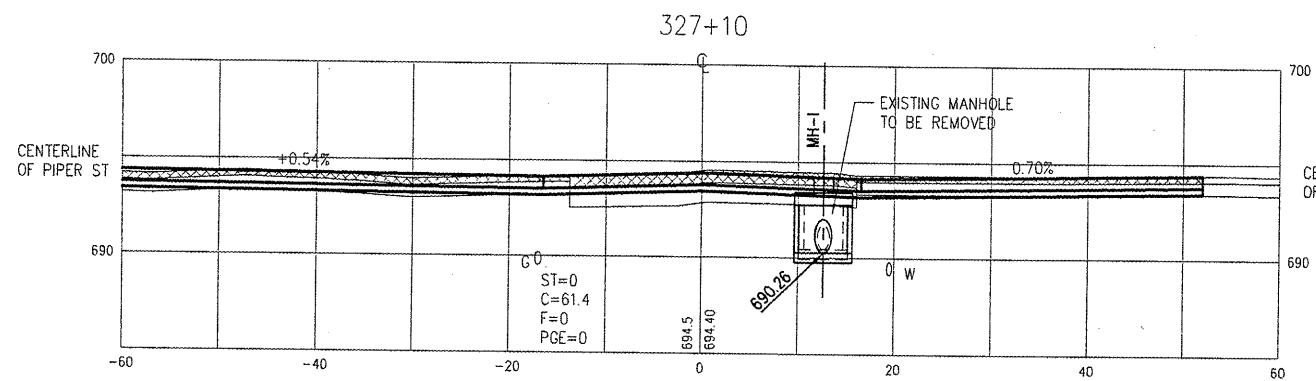
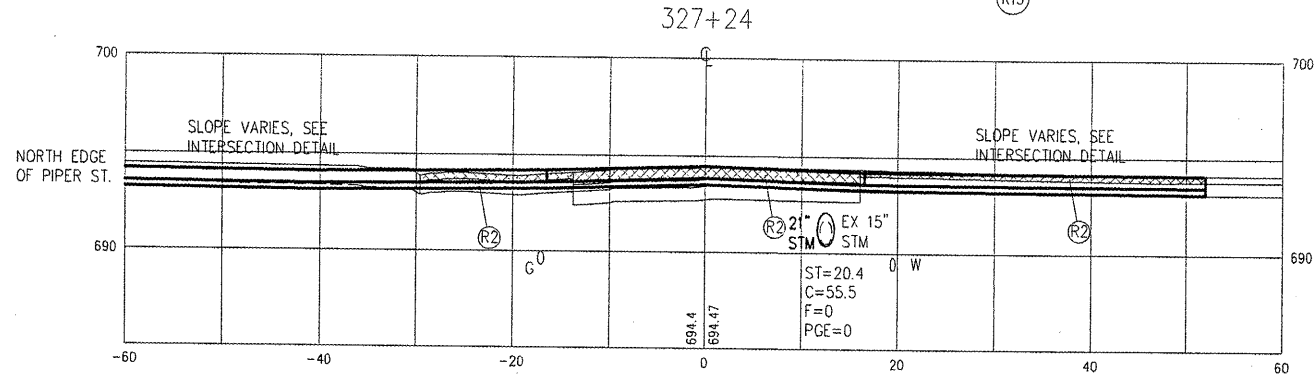
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 325+40 TO 327+24**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARDST\WARD-ST-2007-A-SEC  
 FIELD BOOK No. 2257 JOB NUMBER: 01-26-0609  
 MACOMB, ILLINOIS

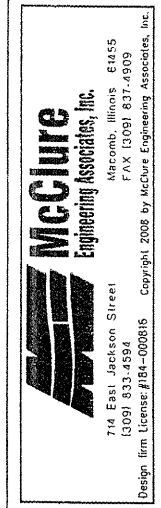
- LEGEND**
- ① PCC DRIVEWAY PAVEMENT, 6"
  - ② PCC DRIVEWAY PAVEMENT, 7"
  - ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
  - ④ PCC SIDEWALK, 4"
  - ④A PCC SIDEWALK 5"
  - ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.1B
  - ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
  - ⑨ POROUS GRANULAR EMBANKMENT
  - ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
  - Ⓡ1 DRIVEWAY PAVEMENT REMOVAL
  - Ⓡ2 PAVEMENT REMOVAL
  - Ⓡ3 BRICK SIDEWALK REMOVAL
  - Ⓡ4 CONCRETE SIDEWALK REMOVAL
  - Ⓡ5 CURB AND GUTTER REMOVAL  
REMOVAL OF UNSUITABLE MATERIAL
  - Ⓡ13



OVEREXCAVATE 12" MIN AND REPLACE WITH POROUS GRANULAR EMBANKMENT AND GEOTECHNICAL FABRIC OR AS DIRECTED BY THE ENGINEER



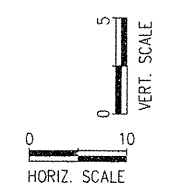
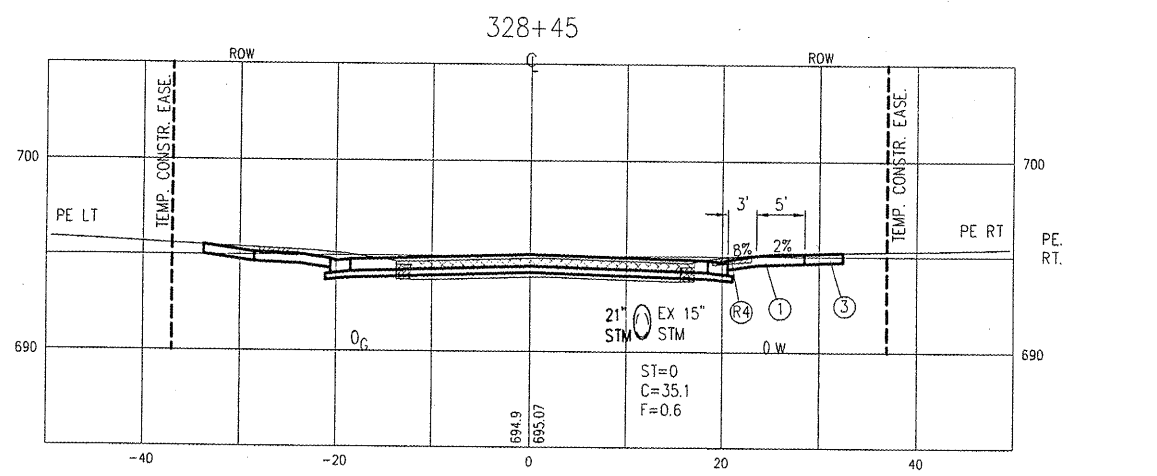
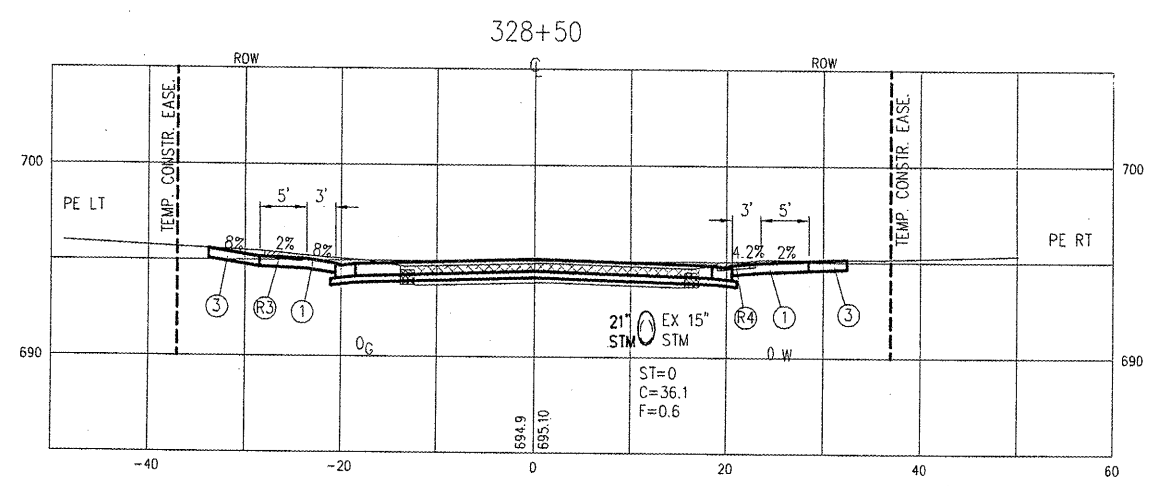
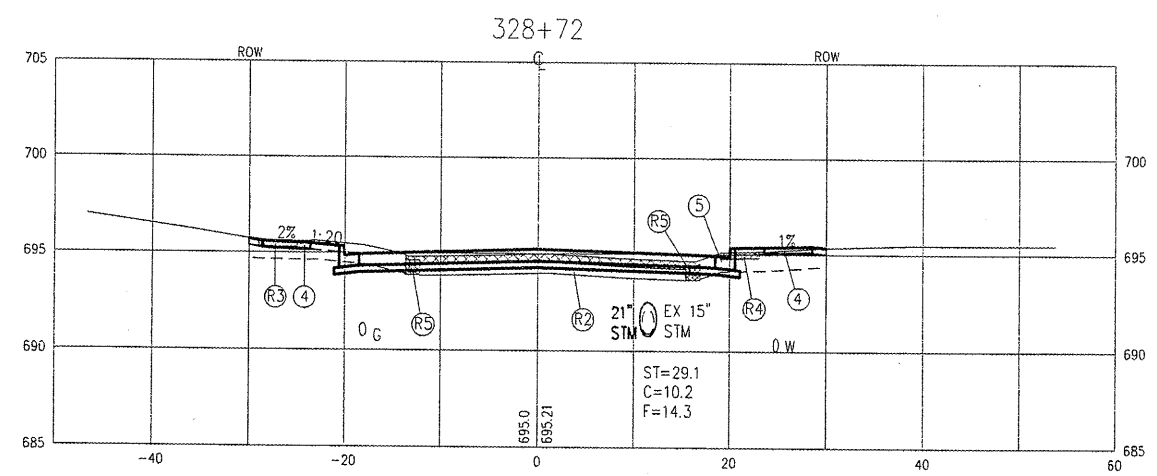
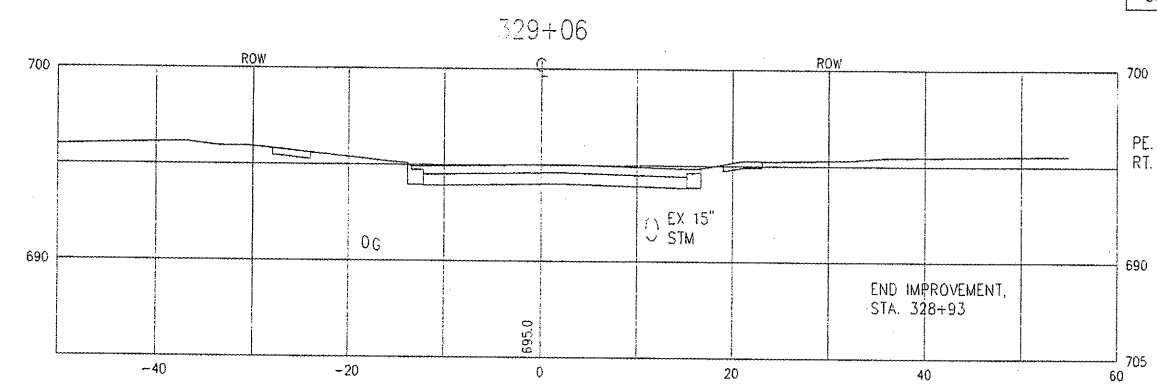
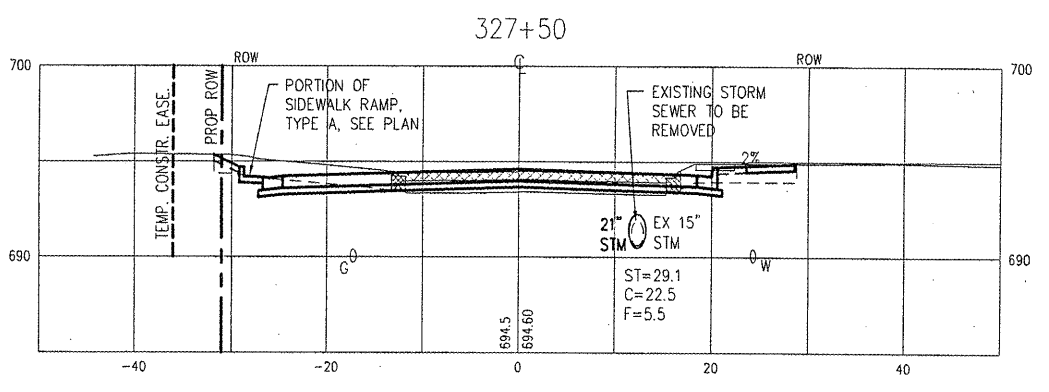
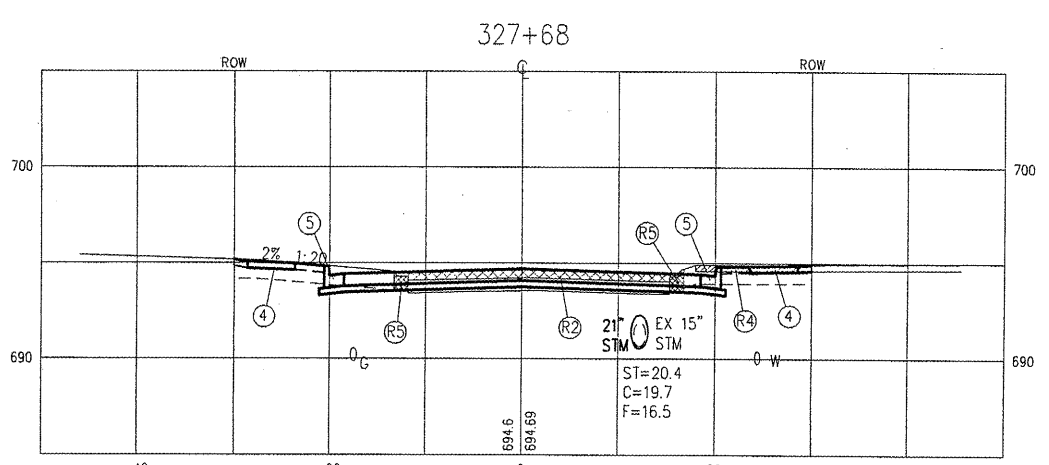
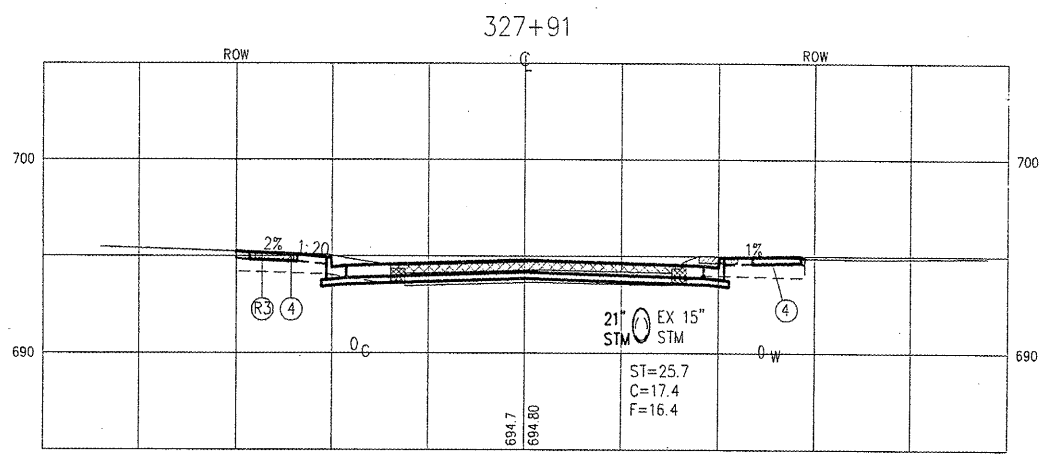
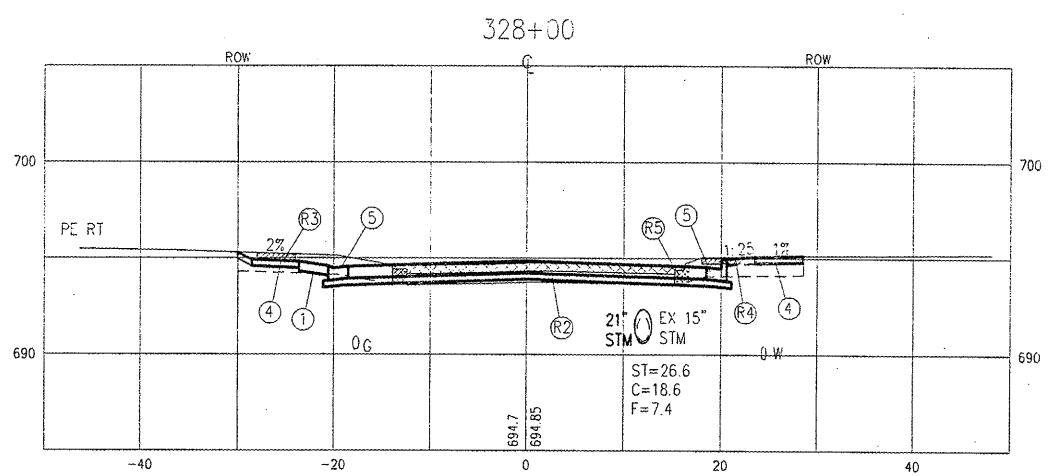




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 CHECKED BY: JAR  
 DATE: OCTOBER 2008

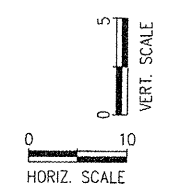
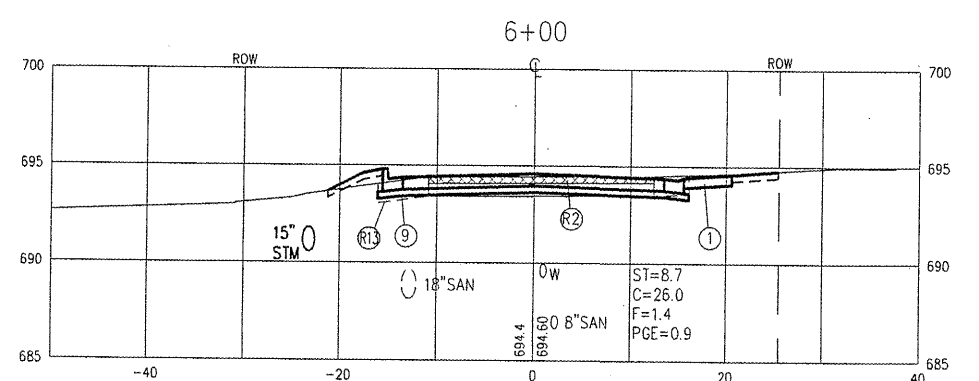
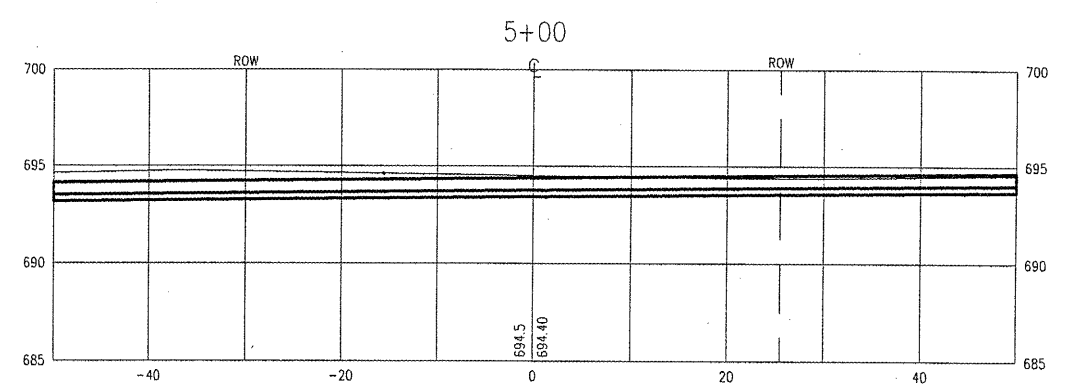
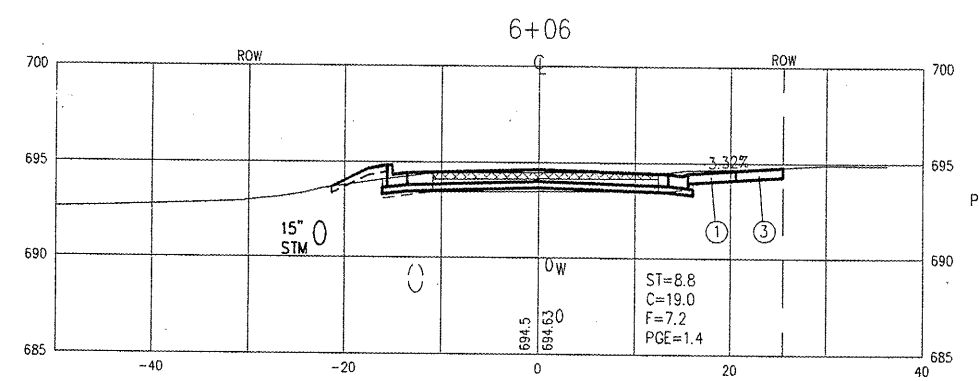
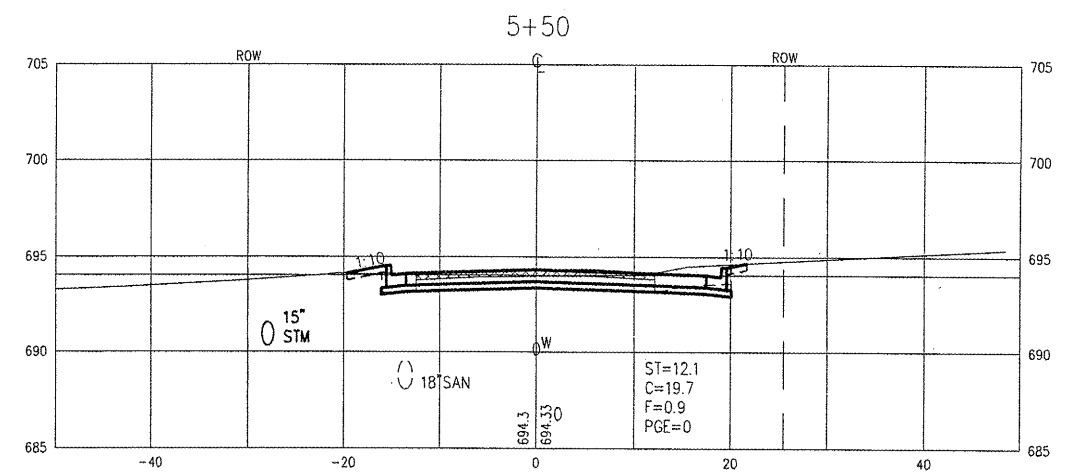
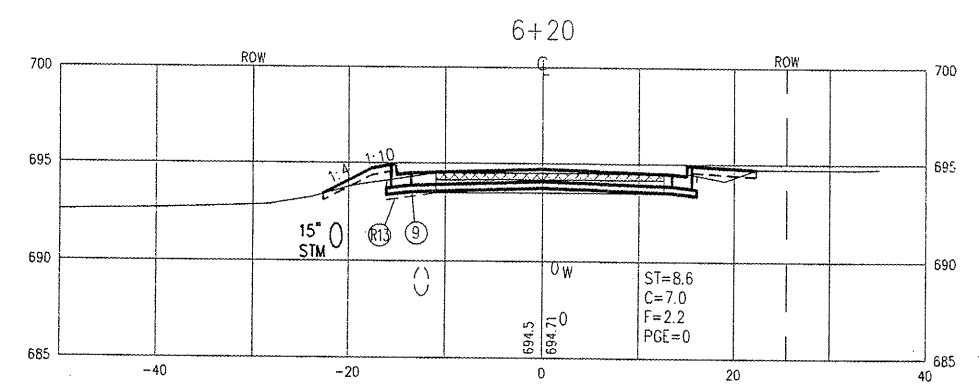
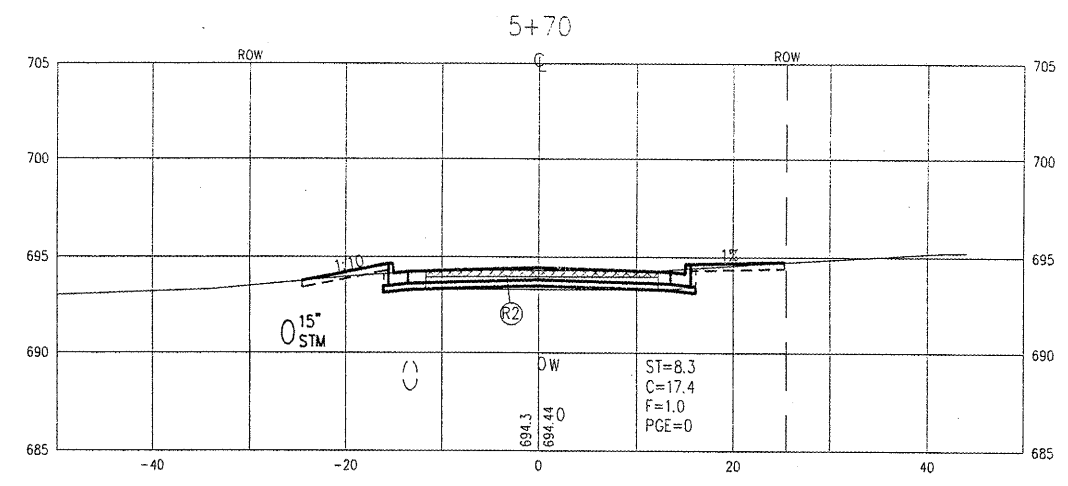
NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - STA. 327+50 TO 329+06**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARDST\WARD-ST-2007-A-SEC  
 FIELD BOOK No. 2257 JOB NUMBER: 05-26-0609  
 MACOMB, ILLINOIS



**LEGEND**

- ① PCC DRIVEWAY PAVEMENT, 6"
- ② PCC DRIVEWAY PAVEMENT, 7"
- ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
- ④ PCC SIDEWALK, 4"
- ④A PCC SIDEWALK 5"
- ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
- ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"
- ⑨ POROUS GRANULAR EMBANKMENT
- Ⓡ1 DRIVEWAY PAVEMENT REMOVAL
- Ⓡ2 PAVEMENT REMOVAL
- Ⓡ3 BRICK SIDEWALK REMOVAL
- Ⓡ4 CONCRETE SIDEWALK REMOVAL
- Ⓡ5 CURB AND GUTTER REMOVAL
- Ⓡ13 REMOVAL OF UNSUITABLE MATERIAL



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 CHECKED BY: ECM  
 DATE: OCTOBER 2008

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS  
 CROSS SECTIONS - PIPER STA. 5+00 TO 6+20  
 CITY OF MACOMB**

SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDST\WARD-ST-2007-K-SEC  
 MACOMB, ILLINOIS  
 FIELD BOOK No. 2257 JOB NUMBER: 05-28-0808

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REVISIONS	
NO.	DATE

**WARD STREET IMPROVEMENTS**  
**CROSS SECTIONS - PIPER STA. 6+23 TO 7+50**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: MACOMB\WARDST\WARD-ST-2007-X-SEC  
 FIELD BOOK No. 2257 JOB NUMBER: 03-28-08028  
 MACOMB, ILLINOIS

