

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CITY OF MACOMB-WARD STREET  
SEC. 09-00139-01-PV F.A.U. 6919  
PROJ. ARA-5040 (010)  
CONTRACT No. 89527 SHT 1 OF 32

SHEET NO.  
**1**  
of **32**

PLANS FOR PROPOSED  
**WARD STREET IMPROVEMENTS**

**PHASE 2**  
**F.A.U. ROUTE 6919**

SECTION 09-00139-01-PV  
McDONOUGH COUNTY  
CITY OF MACOMB  
PROJECT ARA-05040 (010)  
JOB No. C-94-106-09

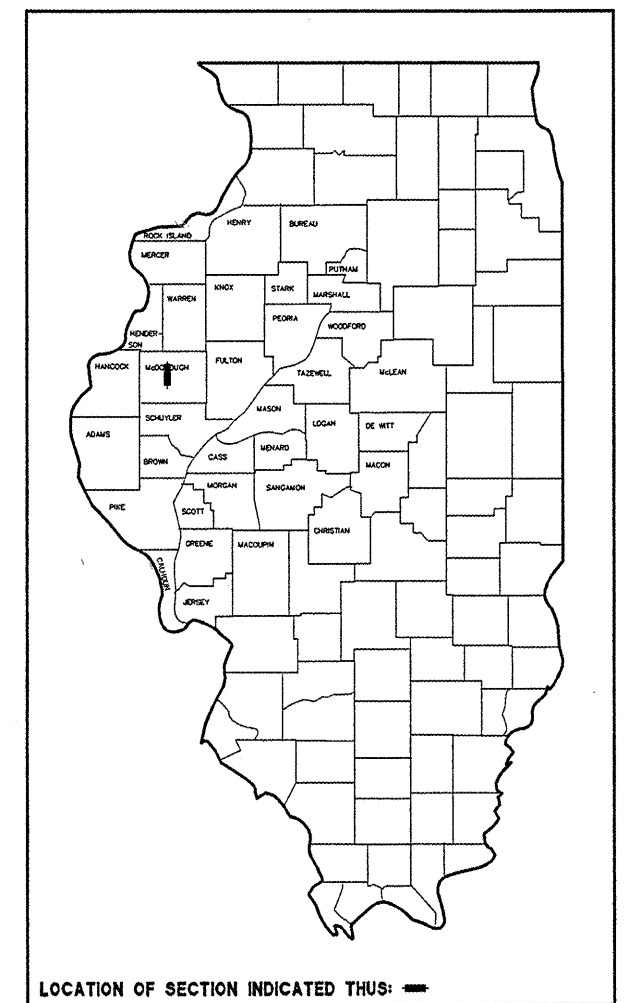
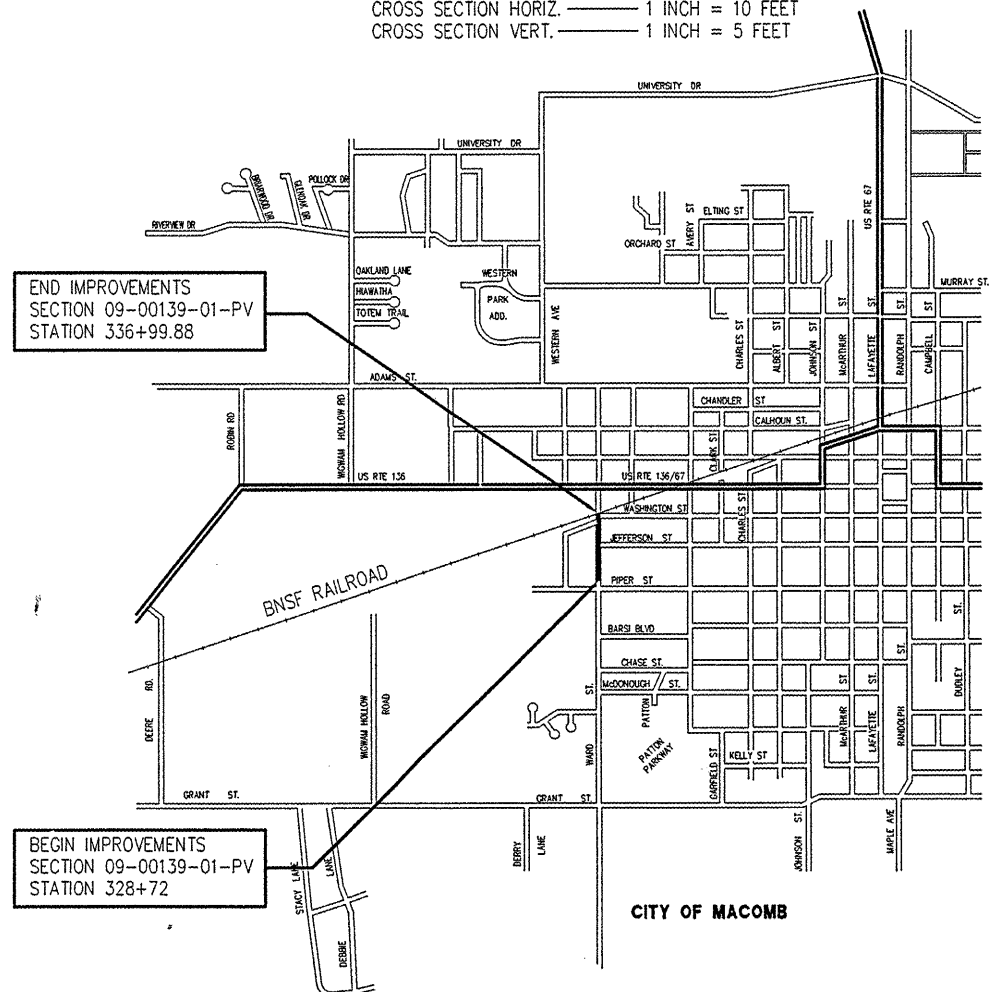
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**SCALES**

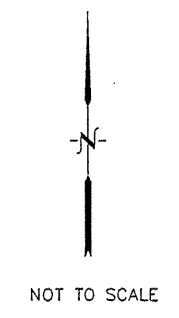
PLAN \_\_\_\_\_ 1 INCH = 20 FEET  
PROFILE HORIZ. \_\_\_\_\_ 1 INCH = 20 FEET  
PROFILE VERT. \_\_\_\_\_ 1 INCH = 5 FEET  
CROSS SECTION HORIZ. \_\_\_\_\_ 1 INCH = 10 FEET  
CROSS SECTION VERT. \_\_\_\_\_ 1 INCH = 5 FEET

**HIGHWAY STANDARDS**

000001-05	602101-02	701311-03
280001-04	602301-02	701501-05
420001-07	602401-02	701801-04
420101-04	602601-02	701901-01
420106-04	602701-02	780001-02
420111-02	604001-03	BLR 21-8
424001-05	604006-04	BLR 22-6
	604036-02	
	606001-04	
	701006-03	
	701301-03	



LOCATION OF SECTION INDICATED THUS:



LENGTH OF PROJECT = 827.88 FEET = 0.157 MILES  
NET LENGTH OF IMPROVEMENT = 827.88 FEET = 0.157 MILES  
DESIGN CLASS: COLLECTOR - ADT = 4200  
DESIGN SPEED: 30 MPH  
DESIGN GUIDELINES: URBAN (BLRS MANUAL CHAPTER 32)



*Jessica A. Remy*  
6/30/09  
Expires 11/30/09



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1-800-892-0123  
TOLL FREE

**CONTRACT No. 89527**

**McClure**  
Engineering Associates, Inc.  
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714 East Jackson Street  
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CHECKED BY: JAR  
DATE: MARCH 2009

NO.	REVISIONS	ITEM	DATE

APPROVED *Michael J. ...* 20 09  
LOCAL AGENCY / CITY OF MACOMB (MAYOR)

PASSED 7-13 20 09  
*Dan ...*  
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW July 13 20 09  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**WARD STREET IMPROVEMENTS - PHASE 2**  
**TITLE SHEET**  
CITY OF MACOMB  
SOUTH WARD ST.  
FILE NAME: \MACOMB\WARDST\PHASE2\WARD-ST-PH2-TYPSEC.DWG FIELD BOOK No. 2257 JOB NUMBER: 03-29-090909

W:\PROJECTS\DRAWINGS\MACOMB\WARD ST\PHASE 2\WARD-ST-PH2-TYPSEC.DWG, TITLE, 6/30/2009 10:32:35 AM

**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 REFERENCED 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 THE 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.

**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
- SW — PROPOSED STORM SEWER
- W — PROPOSED WATER SERVICE
- INL-2 OR ● PROPOSED STORM INLET W/ DESIGNATION
- MH-B ○ PROPOSED STORM MANHOLE W/ DESIGNATION
- STM-55 ○ PROPOSED STORM PIPE DESIGNATION
- S — RELOCATED DOMESTIC SERVICE BOX AND METER
- ⊗ GY GAS VALVE
- PED UTILITY PEDESTAL
- ☆ LIGHT POLE
- ⚡ → POWER POLE AND GUY WIRE
- ⊙ EXISTING MANHOLE
- ⊕ BUSH
- ⊗ 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
- ⊗ SATELLITE DISH
- TOP TOP OF MANHOLE ELEVATION
- IE INVERT ELEVATION
- EP EDGE OF PAVEMENT ELEVATION

AGGREGATE (SURFACE, BASE OR BACKFILL)	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08 GAL/SQ.YD.
BITUMINOUS SURFACE AND BINDER	0.056 TONS/SQ.YD./INCH
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 #7 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT NE CORNER OF WARD AND JEFFERSON ELEVATION 700.85

BM #8 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT SE CORNER OF WARD AND WASHINGTON ELEVATION 702.41

**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. 09-00139-01-PV	F.A.U. 6919
PROJ. ARA-5040 (010)	
CONTRACT No. 89527	SHT 2 OF 32

SHEET NO.  
**2**  
of **32**

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NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**GENERAL NOTES, LEGEND AND BENCH MARKS**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\PHASE 2\WARD-ST-PH2-TYPSEC.dwg FIELD BOOK No. 2257 JOB NUMBER: 03-28-08098

PAY ITEM #	ITEM DESCRIPTION	ABBREVIATION	UNIT	QUANTITY
20100110	TREE REMOVAL (6-15 UNITS DIAMETER)	TREE REMOV 6-15	UNIT	18
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOV OVER 15	UNIT	30
20200100	EARTH EXCAVATION	EARTH EXCAVATION	CU YD	696
20800150	TRENCH BACKFILL	TRENCH BACKFILL	CU YD	723
21101505	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL EXC & PLAC	CU YD	76
25000100	SEEDING, CLASS 1	SEEDING CL 1	ACRE	0.15
25000400	NITROGEN FERTILIZER NUTRIENT	NITROGEN FERT NUTR	POUND	13
25000500	PHOSPHORUS FERTILIZER NUTRIENT	PHOSPHORUS FERT NUTR	POUND	13
25000600	POTASSIUM FERTILIZER NUTRIENT	POTASSIUM FERT NUTR	POUND	13
25100105	MULCH, METHOD 1	MULCH METHOD 1	ACRE	0.15
28000250	TEMPORARY EROSION CONTROL SEEDING	TEMP EROS CONTR SEED	POUND	15
28000500	INLET & PIPE PROTECTION	INLET & PIPE PROTECT	EACH	14
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SUB GRAN MAT A 4	SQ YD	4002
40200100	AGGREGATE SURFACE COURSE, TYPE A	AGG SURF CSE A	TON	44
40201000	AGGREGATE FOR TEMPORARY ACCESS	AGGREGATE-TEMP ACCESS	TON	691
40701881	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 10"	HMA PAVT FD 10	SQ YD	13.4
42000211	PCC PAVEMENT, 7 1/2" (JOINTED)	PCC PVT 7 1/2 JOINTED	SQ YD	3455
42000501	PCC PAVEMENT, 10" (JOINTED)	PCC PVT 10 JOINTED	SQ YD	80
42001200	PAVEMENT FABRIC	PAVEMENT FABRIC	SQ YD	80
42001300	PROTECTIVE COAT	PROTECTIVE COAT	SQ YD	1654
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	PCC DRIVEWAY PAVT 6	SQ YD	245
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7"	PCC DRIVEWAY PAVT 7	SQ YD	203
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	PC CONC SIDEWALK 4	SQ FT	6743
42400800	DETECTABLE WARNINGS	DETECTABLE WARNINGS	SQ FT	60
44000100	PAVEMENT REMOVAL	PAVEMENT REM	SQ YD	2755
44000200	DRIVEWAY PAVEMENT REMOVAL	DRIVE PAVEMENT REM	SQ YD	386
44000500	COMBINATION CURB AND GUTTER REMOVAL	COMB CURB GUTTER REM	FOOT	1622
44000600	SIDEWALK REMOVAL	SIDEWALK REM	SQ FT	3564
54248515	** CONCRETE COLLAR	CONCRETE COLLAR	EACH	1
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV, 12"	SS 1 RCP CL 4 12	FOOT	175
55019800	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV, 21"	SS 1 RCP CL 4 21	FOOT	120
55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III, 12"	SS 2 RCP CL 3 12	FOOT	38
55021900	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III, 21"	SS 2 RCP CL 3 21	FOOT	631
55100500	STORM SEWER REMOVAL 12"	STORM SEWER REMOV 12	FOOT	428
55100700	STORM SEWER REMOVAL 15"	STORM SEWER REMOV 15	FOOT	383
56108210	** WATER VALVES TO BE ADJUSTED	WATER VALVE ADJUST	EACH	2
56200200	WATER SERVICE LINE, 3/4"	WATER SERV LINE 3/4	FOOT	533
56400100	FIRE HYDRANTS TO BE MOVED	FIRE HYDANTS TO BE MVD	EACH	1
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	10
56500600	** DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	DOM WAT SER BOX ADJ	EACH	2
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	MAN TA 5 DIA T1F OL	EACH	6
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	INLETS TA T3F&G	EACH	1
60236200	INLET, TYPE A, TYPE 8 GRATE	INLETS TA T8G	EACH	1
60242500	** INLETS, SPECIAL NO. 1	INLETS SPL N1	EACH	11
60255500	MANHOLES TO BE ADJUSTED	MAN ADJUST	EACH	2
60500040	REMOVING MANHOLES	REMOV MANHOLES	EACH	3
60500060	REMOVING INLETS	REMOV INLETS	EACH	3
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,18	COMB CC&G TB6,18	FOOT	1802
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,24	COMB CC&G TB6,24	FOOT	11
67100100	MOBILIZATION	MOBILIZATION	L SUM	1

PAY ITEM #	ITEM DESCRIPTION	ABBREVIATION	UNIT	QUANTITY
70101700	** TRAFFIC CONTROL & PROTECTION	TRAF CONT & PROT	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVT MKING	FOOT	84
70300200	TEMPORARY PAVEMENT MARKING	TEMP PAVT MARKING	FOOT	84
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	WORK ZONE PAVT MK REM	SQ FT	28
78008210	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	POLYUREA PM T1 LN 4	FOOT	2264
78008230	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	POLYUREA PM T1 LN 6	FOOT	106
78008240	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	POLYUREA PM T1 LN 8	FOOT	123
78008250	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	POLYUREA PM T1 LN 12	FOOT	92
78008270	** POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24"	POLYUREA PM T1 LN 24	FOOT	69
78300100	PAVEMENT MARKING REMOVAL	PAVT MARKING REMOVAL	SQ FT	166
Z0013798	** CONSTRUCTION LAYOUT	CONSTRUCTION LAYOUT	L SUM	1
Z0048665	** RAILROAD PROTECTIVE LIABILITY INSURANCE	RR PROT LIABILITY INS	L SUM	1
Z0076600	** TRAINEES	TRAINEES	HOURL	
XX000731	** CASING PIPE	CASING PIPE	FOOT	220
XX002873	** BRICK SIDEWALK REMOVAL	BRICK SIDEWALK REMOVAL	SQ FT	2480
XX003360	** STORM SEWER PVC (SDR 26) 12"	STORM S PVC SDR 26	FOOT	78
XX004830	** RELOCATE INLET, SPECIAL	RELOCATE INLET SPL	EACH	1
X0300025	WATER SERVICE CONNECTION 3/4"	WAT SER CONN 3/4	EACH	10
X7800500	** POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS, SPECIAL	POLYUREA PM LTR-SY SPL	SQ FT	124
	** CONNECT EXISTING HOUSE DRAINS AND FIELD TILES TO PROPOSED STORM SEWERS	CON HSE DR & FLD T SS	EACH	6

- \* SPECIALTY ITEMS
- \*\* SPECIAL PROVISION INCLUDED IN SPECIFICATIONS

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NO.	REVISIONS	DATE
1	REV DRY & DRY REM	7/27/09

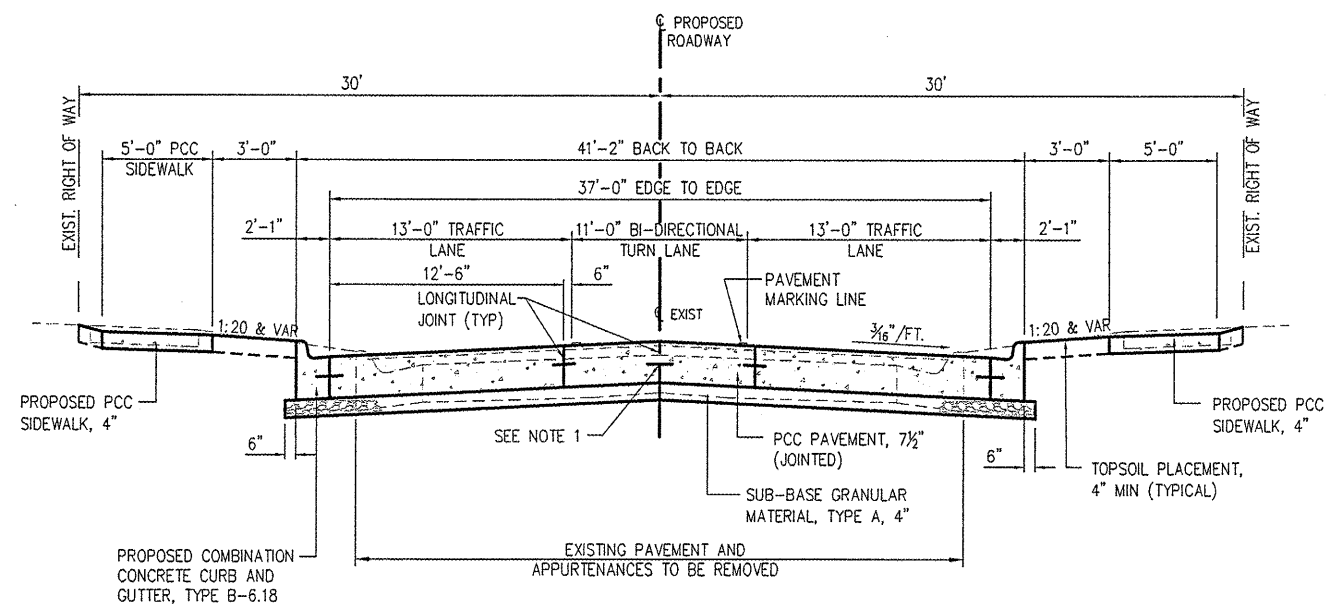
**WARD STREET IMPROVEMENTS - PHASE 2**  
**SUMMARY OF QUANTITIES**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\cc061\projects\phase2\ward-st-prj-04\WIP-301.dwg FIELD BOOK No. 2257 JOB NUMBER: 05-26-0606

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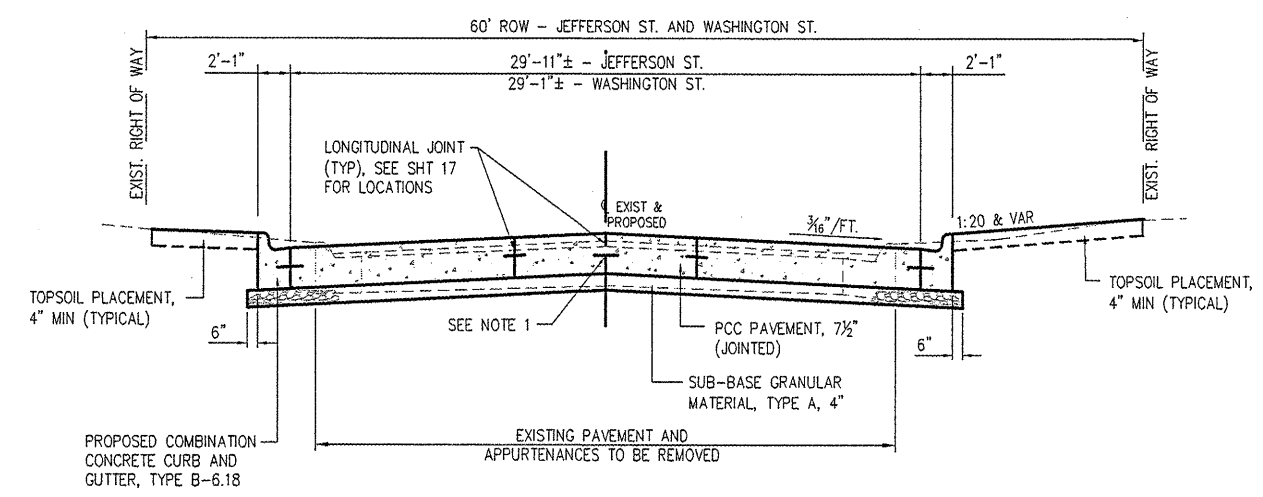
**WARD STREET IMPROVEMENTS - PHASE 2**  
**TYPICAL SECTIONS**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\PHASE 2\WARD-ST-PH2-TYPSEC.DWG FIELD BOOK No: 2257 JOB NUMBER: 03-26-0808R



**WARD STREET TYPICAL SECTION**

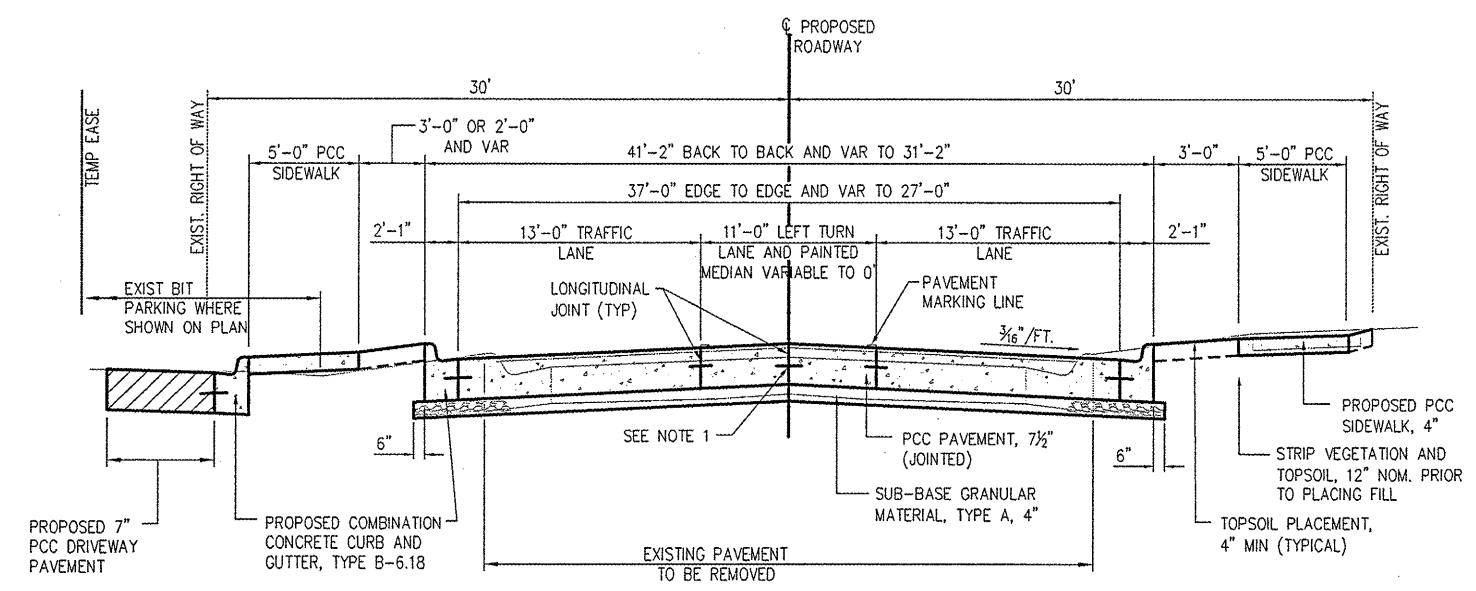
(STA. 328+72 TO STA. 335+21.53)  
 (LOOKING NORTH)

**NOTES:**  
 1. TIE BARS WILL BE REQUIRED IN ADDITION TO THE OTHERS SHOWN IF THE PAVEMENT IS CONSTRUCTED WITH A LONGITUDINAL CONSTRUCTION JOINT AT THE CENTERLINE.



**TYPICAL SECTION**

JEFFERSON ST. AND WASHINGTON ST.  
 (LOOKING WEST)



**WARD STREET TYPICAL SECTION**

(STA. 335+21.53 TO STA. 336+99.88)  
 (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**  
 TF = 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'

W:\PROJECTS\DRAWINGS\MACOMB\WARD ST\PHASE 2\WARD-ST-PH2-TYPSEC.DWG, TYP-SEC (2), 6/30/2009 10:53:17 AM



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NO.	REVISIONS	DATE
1	REV. DRYW & DRIP REL	7/27/09

WARD STREET IMPROVEMENTS  
 SCHEDULE OF QUANTITIES  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: W:\Macomb\WARD-ST-2007-QUANT-SCH.DWG FIELD BOOK No. 2267 JOB NUMBER: 05-26-0808

LOCATION	EARTH EXC	EMBANK *	WASTE *	TOPSOIL EXCAV. & PLACEMENT
STAGE 1 (STA. 328+72 TO 332+57)	406	1	405	35
STAGE 2 & 3 (STA. 332+57 TO END)	290	96	170	41
TOTAL	696	97	575	76

\* FOR INFORMATION ONLY, NOT A PAY ITEM  
 \*\* A FACTOR OF 1.25 WAS APPLIED TO THE EMBANKMENT QUANTITY TO DETERMINE WASTE EXCAVATION QUANTITY.

LOCATION	IN. DIA.
22' LT STA 335+00	6
22' LT STA 335+44	6
22' LT STA 335+88	6
TOTAL	18

LOCATION	IN. DIA.
23' LT STA 334+08	30
TOTAL	30

LOCATION	12"	15"	TRENCH BACKFILL CU. YD.
RT STA 328+90 TO 332+73	---	383	**
RT STA 328+90 11 RT TO 16 RT	5	---	**
RT STA 332+73 TO 336+61	388	---	**
RT STA 332+73 TO 332+77	10	---	2.7
LT STA 323+73 TO 332+79	25	---	5.6
TOTAL	428	383	8.3

\*\*NEW STORM SEWER TO BE INSTALLED IN SAME ALIGNMENT AS EXISTING, SEE STORM SEWER SCHEDULE FOR TRENCH BACKFILL

LOCATION	EACH
RT STA 330+04	1
RT STA 332+73	1
RT STA 336+61	1
TOTAL	3

LOCATION	EACH
LT STA 328+90	1
RT STA 332+77	1
LT STA 332+79	1
TOTAL	3

LOCATION	EACH
LT STA 328+90	1*
TOTAL	1*

\* NOT A PAY ITEM - INCLUDED IN RELOCATE INLET, SPECIAL

LOCATION	TYPE	EACH
332+57	SAN	1
336+70	SAN	1
TOTAL		2

LOCATION	CLASS 1 SEEDING ACRES	NITROGEN FERTILIZER @ 90lbs/acre POUNDS	PHOSPHORUS FERTILIZER @ 90lbs/acre POUNDS	POTASSIUM FERTILIZER @ 90lbs/acre POUNDS	MULCH METHOD 1 ACRES	TEMP EROS CONTR SEED @ 100lbs/ACRE POUNDS
STAGE 1 (STA. 328+72 TO 332+57)	0.07	5.9	5.9	5.9	0.07	7
STAGE 2 (STA. 332+57 TO 336+70)	0.07	6.3	6.3	6.3	0.07	7
STAGE 3 (STA. 336+70 TO END)	0.01	0.8	0.8	0.8	0.01	1
TOTAL	0.15	13	13	13	0.15	15

LOCATION	CU. YD.
STORM SEWER REMOVAL	8.3
STORM SEWER INSTALLATION	564.9
WATER SERVICE INSTALLATION	149.8
TOTAL	723

LOCATION	SQ FT PCC	SQ FT BRICK
RT STA 328+72 TO 332+41	1,476	---
LT STA 328+72 TO 329+97	---	625
RT STA 329+91	16	---
LT STA 330+00	56	---
LT STA 330+01 TO 330+60	---	295
LT STA 330+94 TO 331+64	---	350
LT STA 331+65	45	---
RT STA 331+88	34	---
LT STA 332+00 TO 332+41	---	205
LT STA 332+44 TO 334+45	---	1,005
LT STA 332+42	27	---
RT STA 332+74 TO 336+41	1,468	---
LT STA 332+75	14	---
RT STA 332+84	54	---
RT STA 334+10	33	---
RT STA 336+37	46	---
LT STA 336+32 TO 336+51	133	---
LT STA 337+89 TO 338+33	162	---
TOTAL	3,564	2,480

LOCATION	FEET
RT STA 328+72 TO 332+29	357
LT STA 328+72 TO 336+93	821
RT STA 332+29 TO 332+44 RADIUS	22
RT STA 5+29 TO 5+49 JEFFERSON ST	20
RT STA 5+28 TO 5+49 JEFFERSON ST	21
RT STA 332+72 TO 332+87 RADIUS	23
RT STA 332+87 TO 336+34	347
LT STA 338+31 TO 338+40	11
TOTAL	1,622

LOCATION	TYPE	SQ YD
LT STA 330+67	PCC	44.7
LT STA 331+92	PCC	27.6
RT STA 333+64	PCC	17.6
RT STA 333+79	PCC	17.6
LT STA 334+55	PCC	32.7
LT STA 336+66	PCC	31.0
LT STA 334+61 TO 336+34	BIT	134.4
LT STA 336+34 TO 336+93	BIT	48.4
LT STA 337+44.6 TO 337+49.6	PCC	3.9
LT STA 337+89 TO 338+37	PCC	28.1
TOTAL		386

LOCATION	PCC PVT 7 1/2 JOINTED SQ YD	PCC PVT 10" JOINTED SQ YD	PAVEMENT FABRIC SQ YD	HMA PAVT FULL DEPTH, 10" SQ YD	COMB CC&G TBE.18 FEET	COMB CC&G TBE.24 FEET	SUB GRAN MAT A 4 SQ YD
STA 328+72 TO 331+00	937	---	---	---	466	---	1,064
STA 331+00 TO 336+00	2,036	---	---	---	1054	---	2,314
STA 336+00 TO 336+69.95	238	---	---	---	144	---	283
STA 336+69.95 TO 336+99.88	---	80	80	13.4	20	---	86
STA 338+31 TO 338+40 LT	---	---	---	---	11	---	---
JEFFERSON STREET	127	---	---	---	88	---	131
WASHINGTON STREET	117	---	---	---	40	---	124
TOTAL	3,455	80	80	13.4	1,802	11	4,002

LOCATION	TONS
DRIVEWAY ACCESS AND MAINTENANCE - 6" DEPTH	266
TEMPORARY SIDEWALK, 4' WIDE - EAST SIDE WARD - 4" DEPTH	39
STORM SEWER TRENCH AND MAINTENANCE - 8" DEPTH	340
WATER SERVICE INSTALLATION AND MAINTENANCE - 8" DEPTH	46
TOTAL	691

LOCATION	SQ YD
STA 328+72 TO 337.00	2516
RT STA 332+57 (JEFFERSON ST)	120
RT STA 336+70 (WASHINGTON ST)	119
TOTAL	2755

LOCATION	SQ FT
WARD STREET STA 327+57 TO 328+88	186
TOTAL	186

LOCATION	SHORT TERM FEET	TEMPORARY FEET	WORK ZONE PAVT. MKING REMOVAL SQ. FT.
WARD STREET STA 328+72 TO 337+00	84	84	28
TOTAL	84	84	28

LOCATION	LETTERS & SYMBOLS (SPECIAL) (WHITE)	TYPE 1 LINE 4" (YELLOW)	TYPE 1 LINE 4" (YELLOW) SKIP/DASH	TYPE 1 LINE 4" (DOUBLE YELLOW)	TYPE 1 LINE 6" (WHITE)	TYPE 1 LINE 8" (WHITE)	TYPE 1 LINE 12" (YELLOW)	TYPE 1 LINE 24" (WHITE)
STA 327+50 TO 333+00	31.3	944	240	---	98	---	---	---
STA 333+00 TO 337+00	92.7	---	---	1080	8	123	92	69
SUB TOTAL	124	944	240	1080	106	123	92	69
TOTAL	124	944	240	1080	106	123	92	69

LOCATION	TYPE	PCC DR PAVT 6" SQ YD	PCC DR PAVT 7" SQ YD	AGG SURF 6" TON	AGG SURF 8" TON
RT STA 329+06	PE	14.2	---	2.0	---
RT STA 329+25	PE	18.9	---	3.4	---
LT STA 329+73	PE	18.8	---	7.6	---
LT STA 329+84	PE	14.5	---	0.6	---
LT STA 330+67	PE	15.5	---	6.5	---
LT STA 330+87	PE	17.8	---	4.8	---
RT STA 331+22	PE	25.0	---	3.7	---
LT STA 331+92	PE	29.3	---	---	---
LT STA 332+52 & 332+67	PE	29.7	---	3.6	---
LT STA 333+60	PE	25.1	---	1.8	---
RT STA 333+64 & 333+79	PE	36.2	---	---	---
RT STA 334+55	ALLEY	---	14.3	---	2.1
LT STA 334+55	ALLEY	---	24.8	---	0.3
RT STA 335+17	CE	---	38.1	---	2.7
LT STA 334+61 TO 336+40 PARKING	LOT	---	80.0	---	---
LT STA 336+66	CE	---	29.4	---	---
LT STA 337+32.2	CE	---	16.4	---	4.9
SUBTOTAL		245	203	34	10
TOTAL		245	203	34	44

LOCATION	SQ FT
LT STA 328+72 TO 329+65	465
RT STA 328+72 TO 329+00	142
RT STA 329+33 TO 329+78	225
LT STA 329+82 TO 330+61	397
RT STA 329+90 TO 331+11	609
RT STA 329+91 28.6L TO 38.0R	19
LT STA 330+00 28.6L TO 30.0L	5
LT STA 330+95 TO 331+86	457
RT STA 331+35 TO 332+29	471
LT STA 331+65 28.6L TO 30.0L	4
RT STA 331+87 28.6R TO 35.7R	14
LT STA 331+98 TO 332+43	227
LT STA 332+42 28.6L TO 35.0L	19
LT STA 333+72 TO 334+49	384
LT STA 332+73 TO 333+48	377
RT STA 332+75 TO 333+55	400
LT STA 332+75 28.6L TO 36.8L	25
RT STA 332+84 28.6R TO 37.6R	36
RT STA 333+84 TO 334+49	327
LT STA 334+09 28.6L TO 30.0L	4
LT STA 334+61 TO 336+54	966
RT STA 334+61 TO 334+98	184
RT STA 335+37 TO 336+42	525
LT STA 336+36 17.3L TO 22.6L	27
LT STA 336+79 TO 336+89	58
LT STA 337+01 TO 337+50	155
LT STA 337+88 TO 338+35	230
TOTAL	6,743

LOCATION	SQ FT
RT STA 332+28	20
RT STA 332+80	16
LT STA 336+36	8
RT STA 36+36	8
LT STA 338+30	8
TOTAL	60

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CITY OF MACOMB-WARD STREET  
 SEC. 09-00139-01-PV F.A.U. 6919  
 PROJ. ARA-5040 (010)  
 CONTRACT No. 89527 SHT 6 OF 32

SHEET NO.  
**6**  
 of **32**

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 714 East Jackson Street  
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STM No.	STR No. TO STR No.	% OF SLOPE	SS 1 RCP CL 4		SS 2 RCP CL 3		SS PVC SDR26 12 CLASS 160	MAN TA 5 DIA T1F OL	INL TA T3F&G	INL TA T8GRATE	RELOCATE INLET, SPL	INL SPL N1	CONCRETE COLLAR	TRENCH BACKFILL
			12"	21"	12"	21"								
62A	EXIST.-12A	1.00	7	---	---	---	---	---	---	---	---	1	---	1.5
63A	EXIST.-11A	0.44	6	---	---	---	---	---	---	---	---	1	1	1.8
64	F-E	0.28	---	120	---	---	---	1	---	---	---	---	---	36.4
65	E-10	0.44	9	---	---	---	---	---	---	---	---	1	---	2.3
66	E-9	0.44	30	---	---	---	---	---	---	---	---	1	---	7.7
67	E-D	0.21	---	---	---	156	---	1	---	---	---	---	---	55.8
68	D-8	0.44	10	---	---	---	---	---	---	---	---	1	---	2.6
69	D-7	0.44	30	---	---	---	---	---	---	---	---	1	---	7.7
70	D-C	0.21	---	---	---	111	---	1	---	---	---	---	---	76.1
71	C-5	0.44	30	---	---	---	---	---	---	---	---	1	---	7.1
72	C-6	0.44	---	---	---	---	24	---	1	---	---	---	---	5.7
73	C-B	0.21	---	---	---	141	---	1	---	---	---	---	---	107.2
74	B-3	0.44	30	---	---	---	---	---	---	---	---	1	---	19.0
74A	3A-3	0.50	13	---	---	---	---	---	---	1	---	---	---	3
75	B-4	0.44	10	---	---	---	---	---	---	---	---	1	---	6.3
76	B-2A	0.44	---	---	---	---	54	---	---	---	1	---	---	---
77	B-A	0.21	---	---	---	116	---	1	---	---	---	---	---	102.0
78	A-2	0.44	---	---	---	29	---	---	---	---	---	1	---	9.3
79	A-1	0.44	---	---	---	9	---	---	---	---	---	1	---	2.9
80	A-A1	0.21	---	---	---	107	---	1	---	---	---	---	---	110.5
TOTAL			175	120	38	631	78	6	1	1	1	11	1	564.9

WATER SERVICE REPLACEMENT SCHEDULE				
LOCATION	WATER SERVICE CONNECTION EACH	3/4" COPPER WATER SERVICE FEET	2" PVC CASING PIPE FEET	TRENCH BACKFILL CU. YD.
STA 329+57	1	47	22	15.4
STA 329+93	1	47	22	15.4
STA 330+76	1	66	22	16.6
STA 330+79	1	67	22	17.8
STA 331+49	1	48	22	15.4
STA 332+43	1	50	22	17.8
STA 332+96	1	50	22	17.8
STA 333+31	1	51	22	18.5
STA 333+99	1	47	22	15.1
STA 334+69	1	60	22	17.8
TOTAL	10	533	220	149.8

DOMESTIC METER VAULTS TO BE MOVED		
LOCATION		EACH
25' LT STA 330+69		1
25' LT STA 330+71		1
TOTAL		2

DOMESTIC WATER SERVICE BOXES TO BE MOVED		
LOCATION		EACH
24' LT STA 330+69		1
24' LT STA 330+71		1
TOTAL		2

DOMESTIC METER VAULTS TO BE ADJUSTED		
LOCATION		EACH
22' LT STA 329+56		1
23' LT STA 331+49		1
24' LT STA 332+41		1
24' LT STA 332+95		1
24' LT STA 333+30		1
30' RT STA 333+70		1
31' RT STA 333+73		1
30' RT STA 333+86		1
22' LT STA 333+99		1
32' LT STA 334+68		1
TOTAL		10

FIRE HYDRANTS TO BE MOVED		
EXISTING	PROPOSED	EACH
24.0' RT STA 336+33.7 TO 20.7' RT STA 336+31.7		1
TOTAL		1

WATER VALVES TO BE ADJUSTED		
LOCATION		EACH
30' RT STA 332+39		1
29' RT STA 332+80		1
TOTAL		2

DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED		
LOCATION		EACH
22' LT STA 329+92		1
22' LT STA 331+47		1
TOTAL		2

PLOTTING SCALE: 1" = 1'  
 DRAWN BY: JAH  
 CHECKED BY: JAH  
 DATE: MARCH 2009

NO.	REVISIONS	DATE

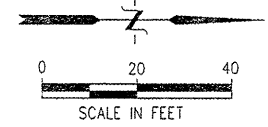
**WARD STREET IMPROVEMENTS - PHASE 2**  
**SCHEDULE OF QUANTITIES**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\ST\PHASE 2\WARD-ST-PH2-QUANT-SCH.DWG FIELD BOOK No. 2257 JOB NUMBER: 02-29-08099  
 MACOMB, ILLINOIS

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CITY OF MACOMB- WARD STREET  
 SEC. 09-00139-01-PV F.A.U. 6919  
 PROJ. ARA-5040 (010)  
 CONTRACT No. 89527 SHT 7 OF 32

SHEET NO.  
**7**  
 of **32**

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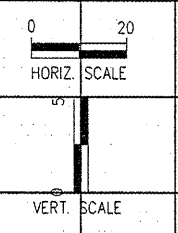
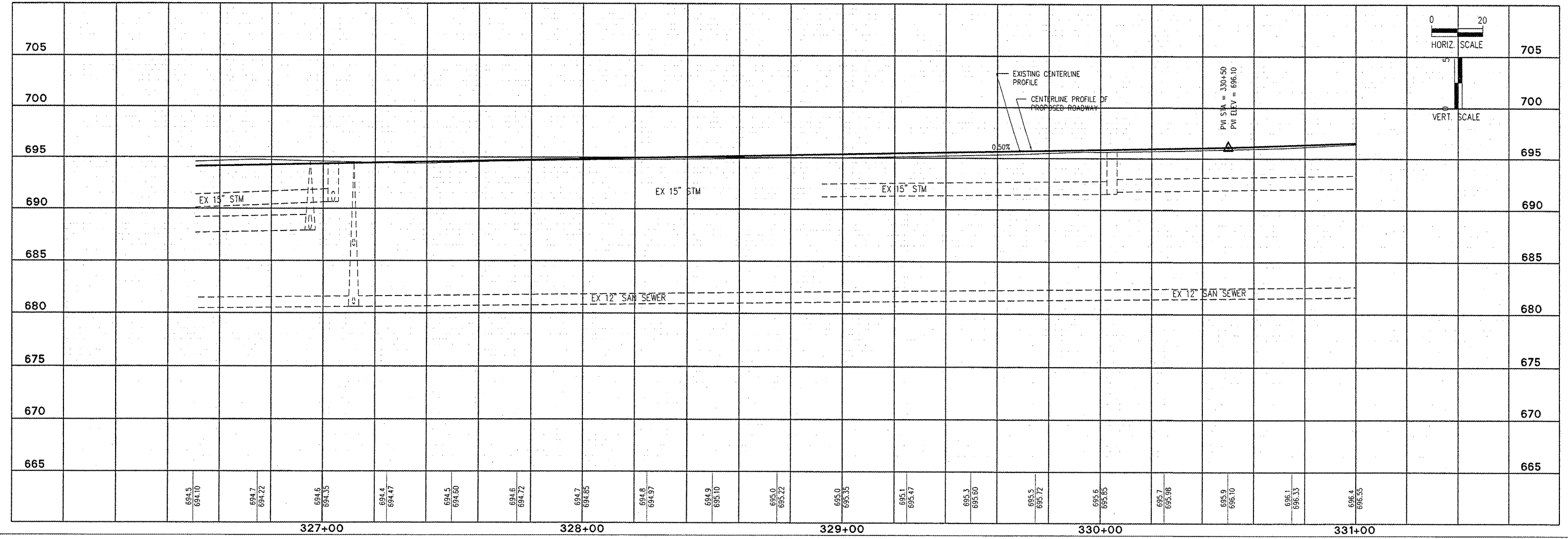
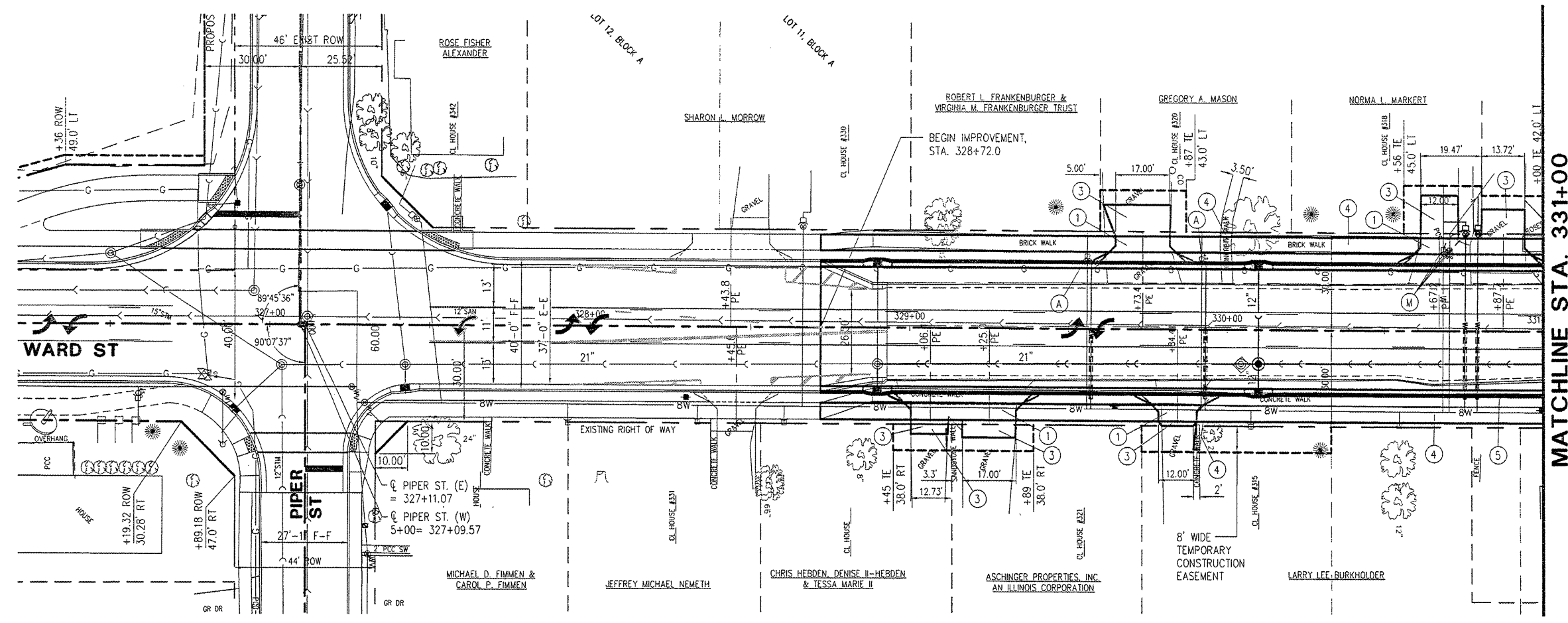


- ITEM LEGEND**
- ① PCC DRIVEWAY PAVEMENT, 6"
  - ② PCC DRIVEWAY PAVEMENT, 7"
  - ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
  - ④ PC CONCRETE SIDEWALK, 4"
  - ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
  - ⑥ SIDEWALK RAMP W/ DETECTABLE WARNING
  - ⑦ AGGREGATE SURFACE COURSE, TYPE A, 8"
  - A MANHOLE, VALVE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

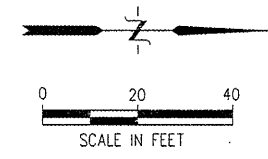
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		ITEM

NO.	DATE	REVISIONS
		ITEM

**WARD STREET IMPROVEMENTS - PHASE 2**  
**PLAN AND PROFILE - STA. 328+72 TO 331+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARD\PHASE 2\WARD-ST-PH2.DWG FIELD BOOK No. 2257 JOB NUMBER: 03-28-0099  
 MACOMB, ILLINOIS



694.5	694.10	694.7	694.22	694.6	694.35	694.4	694.47	694.5	694.60	694.6	694.72	694.7	694.85	694.8	694.97	694.9	695.10	695.0	695.22	695.0	695.35	695.1	695.47	695.3	695.60	695.5	695.72	695.6	695.85	695.7	695.98	695.9	696.10	696.1	696.33	696.4	696.55												
327+00										328+00										329+00										330+00										331+00									



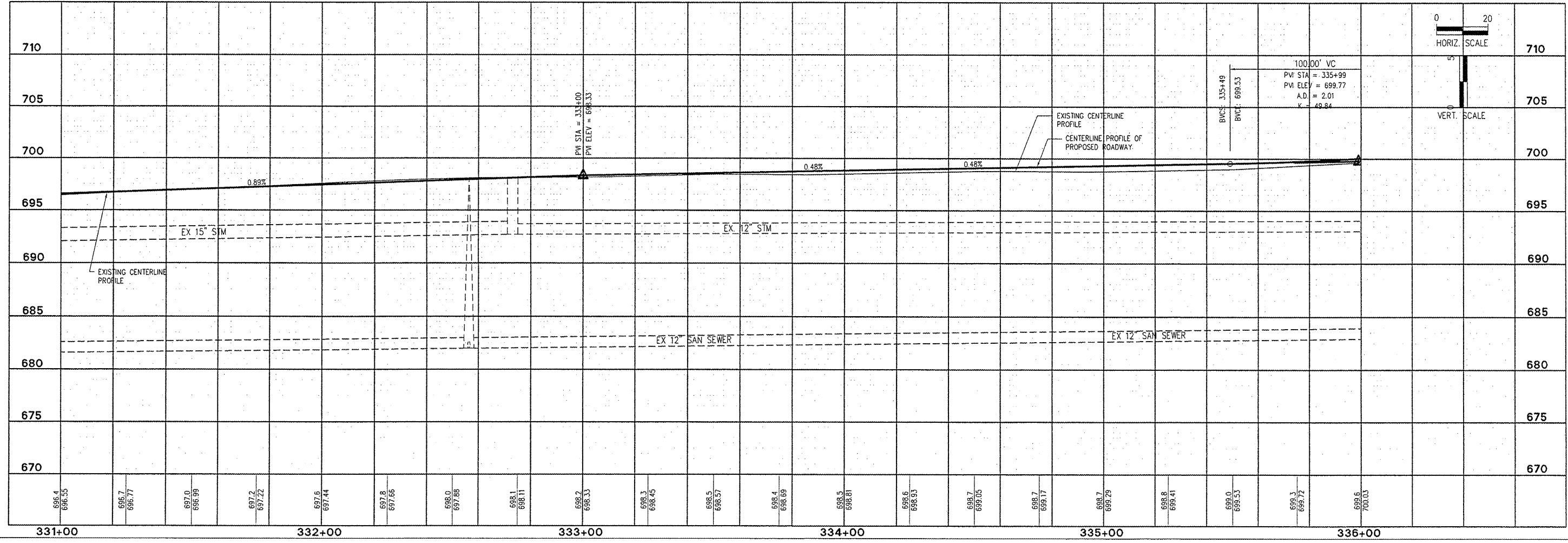
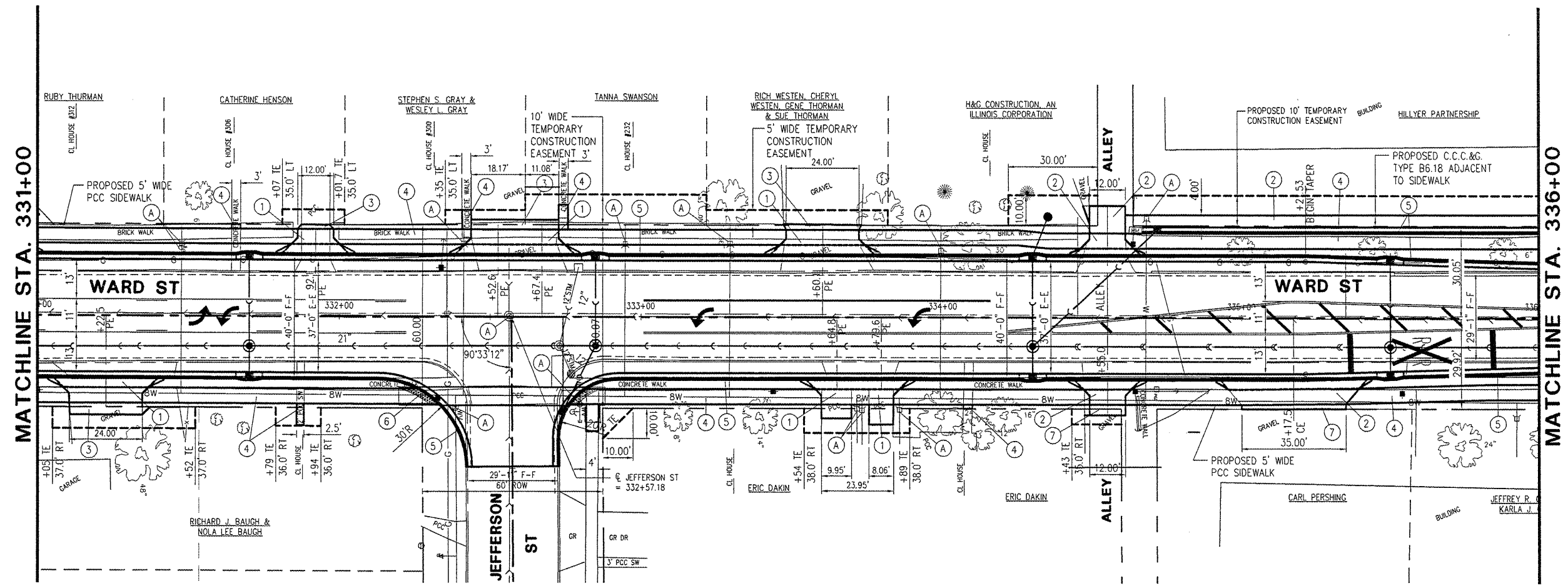
- ITEM LEGEND**
- ① PCC DRIVEWAY PAVEMENT, 6"
  - ② PCC DRIVEWAY PAVEMENT, 7"
  - ③ AGGREGATE SURFACE COURSE, TYPE A, 6"
  - ④ PC CONCRETE SIDEWALK, 4"
  - ⑤ COMB. CONC. CURB & GUTTER, TYPE B6.18
  - ⑥ SIDEWALK RAMP W/ DETECTABLE WARNING
  - ⑦ AGGREGATE SURFACE COURSE, TYPE A, 8"
  - A MANHOLE, VALVE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

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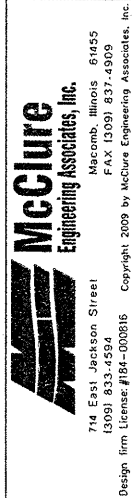
NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**PLAN AND PROFILE STA. 331+00 TO 336+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARDST\PHASE 2\WARD-ST-PH2.DWG FIELD BOOK No. 2257 JOB NUMBER: 03-28-07002



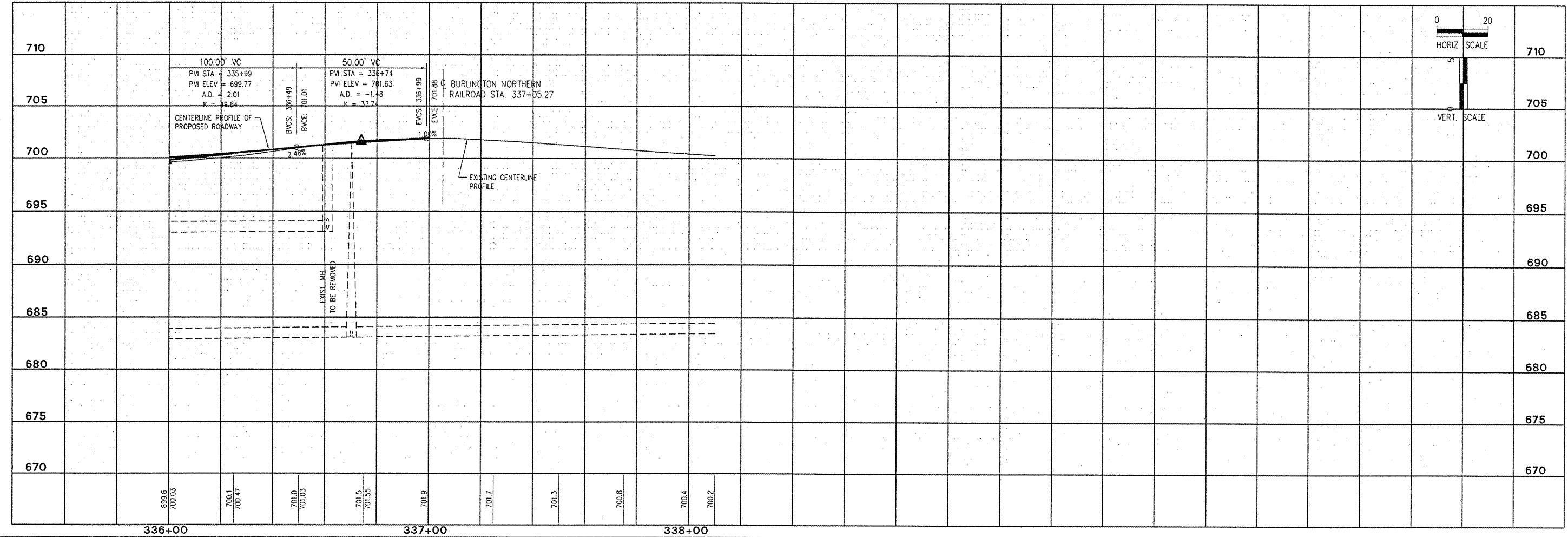
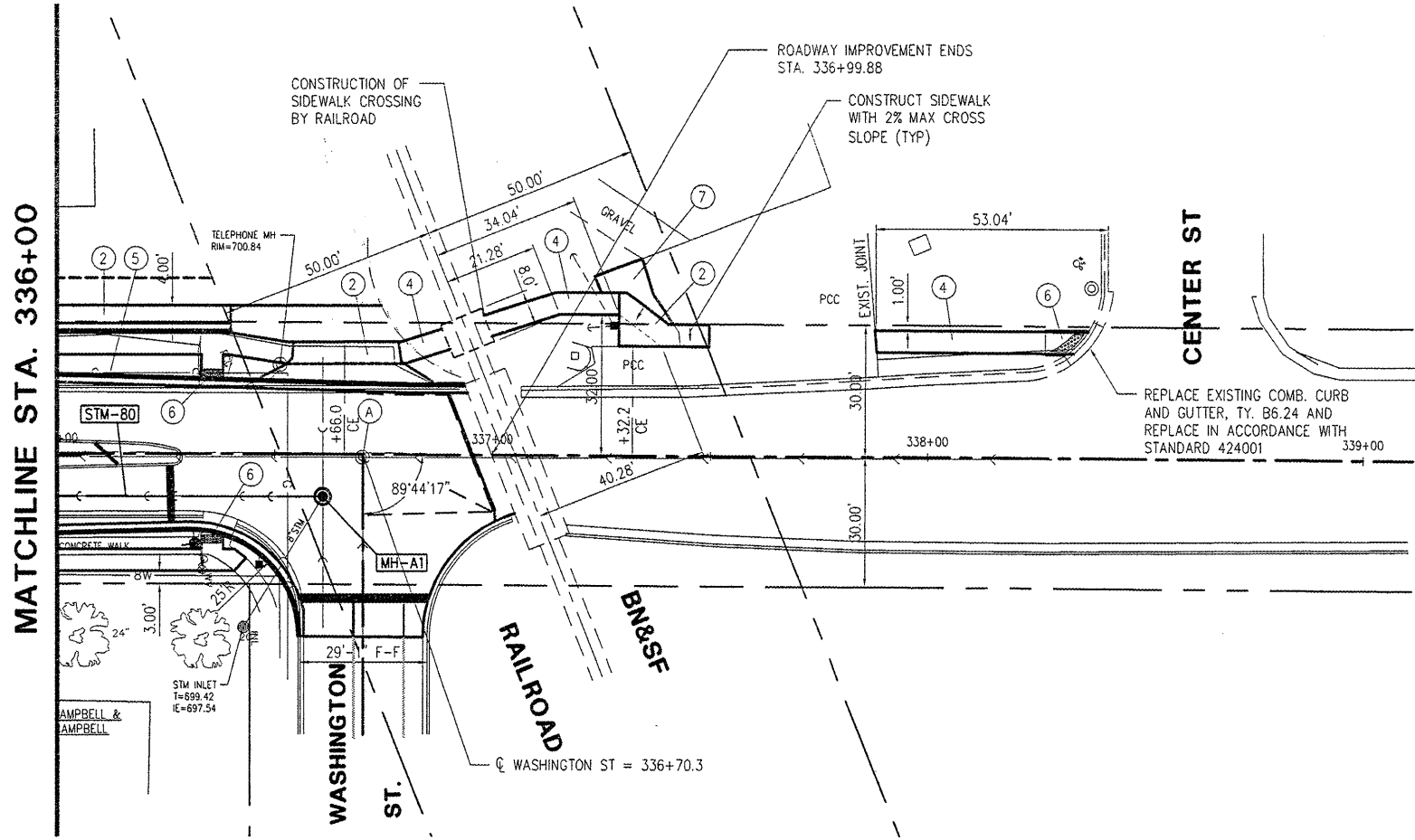
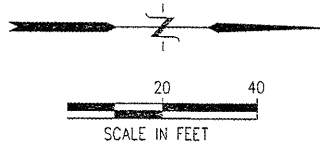
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**ITEM LEGEND**

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



PLOTTING SCALE: 1" = 20'

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

NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**PLAN AND PROFILE-STA. 336+00 TO 336+99.88**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARD\ST\PHASE 2\WARD-ST-PH2.DWG FIELD BOOK No: 2257 JOB NUMBER: 02-28-000988

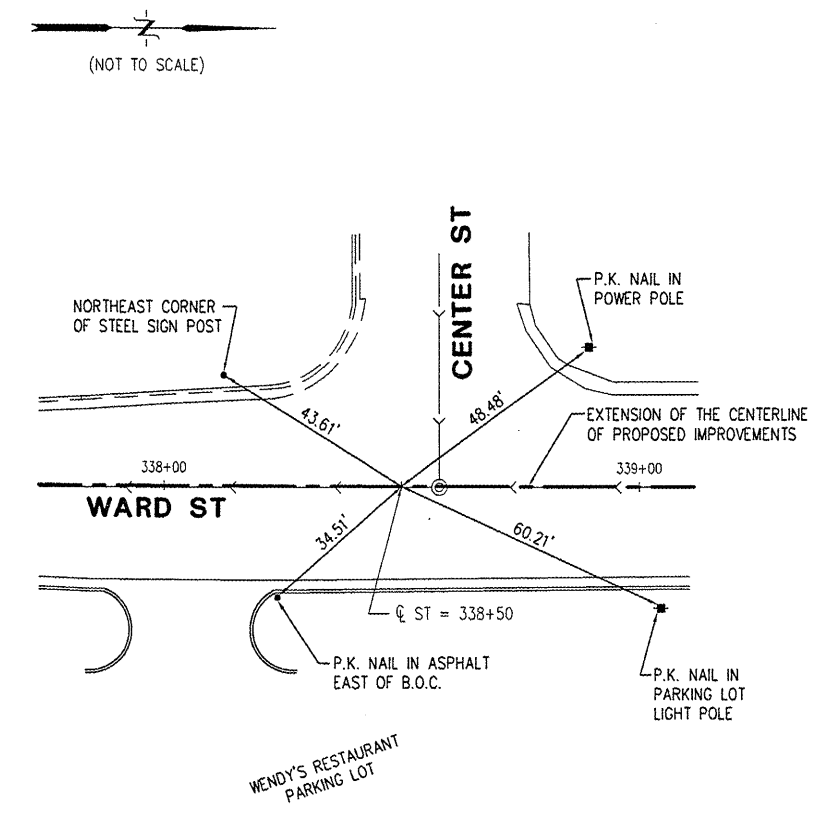
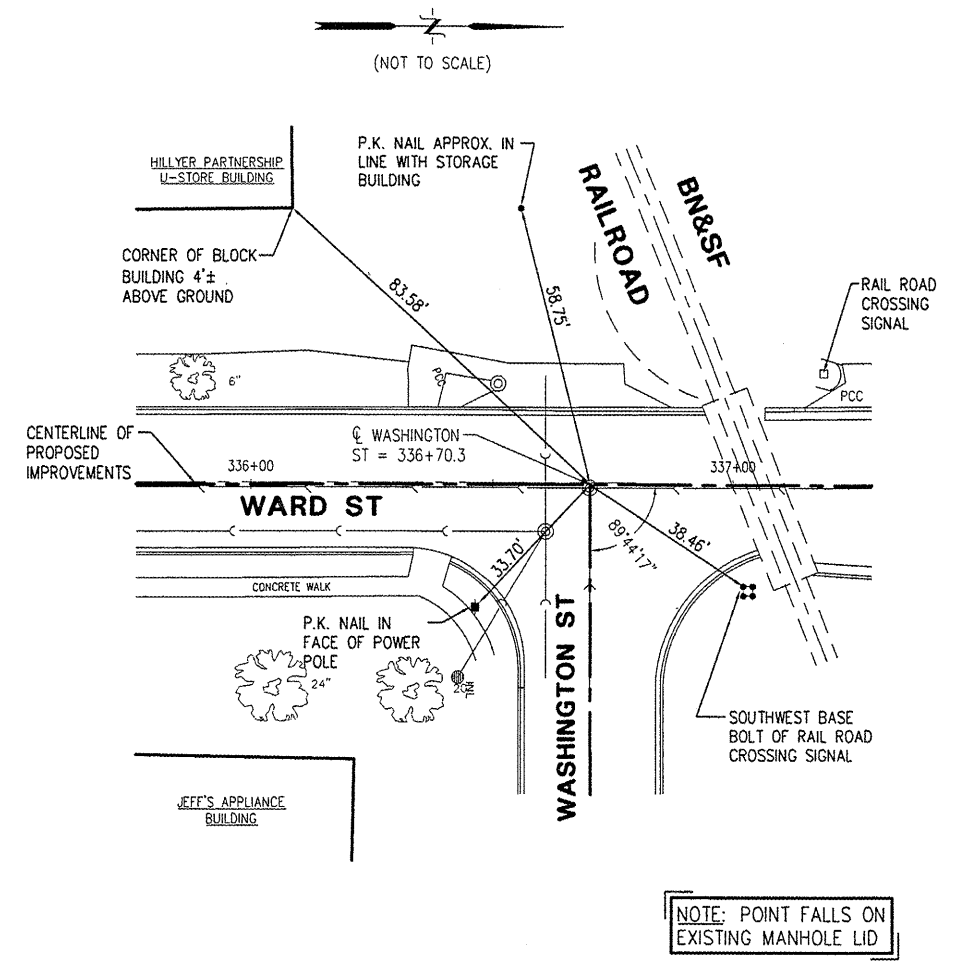
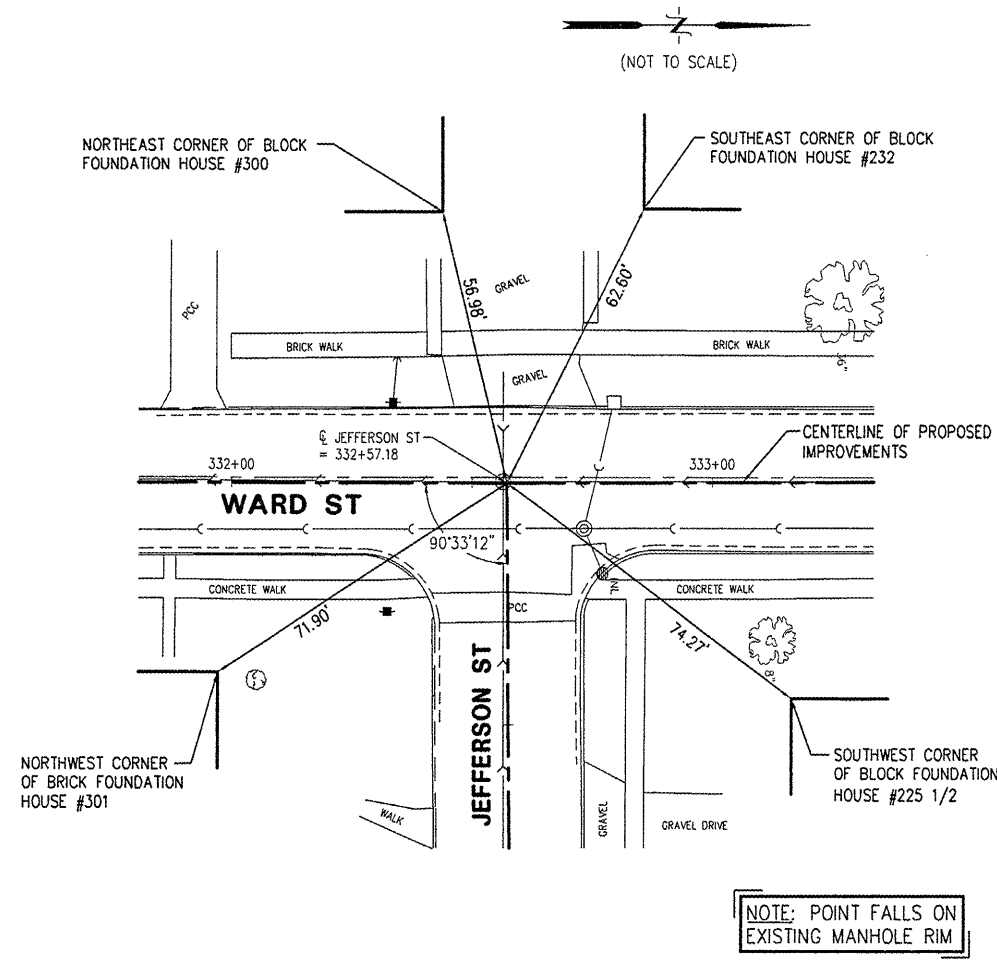
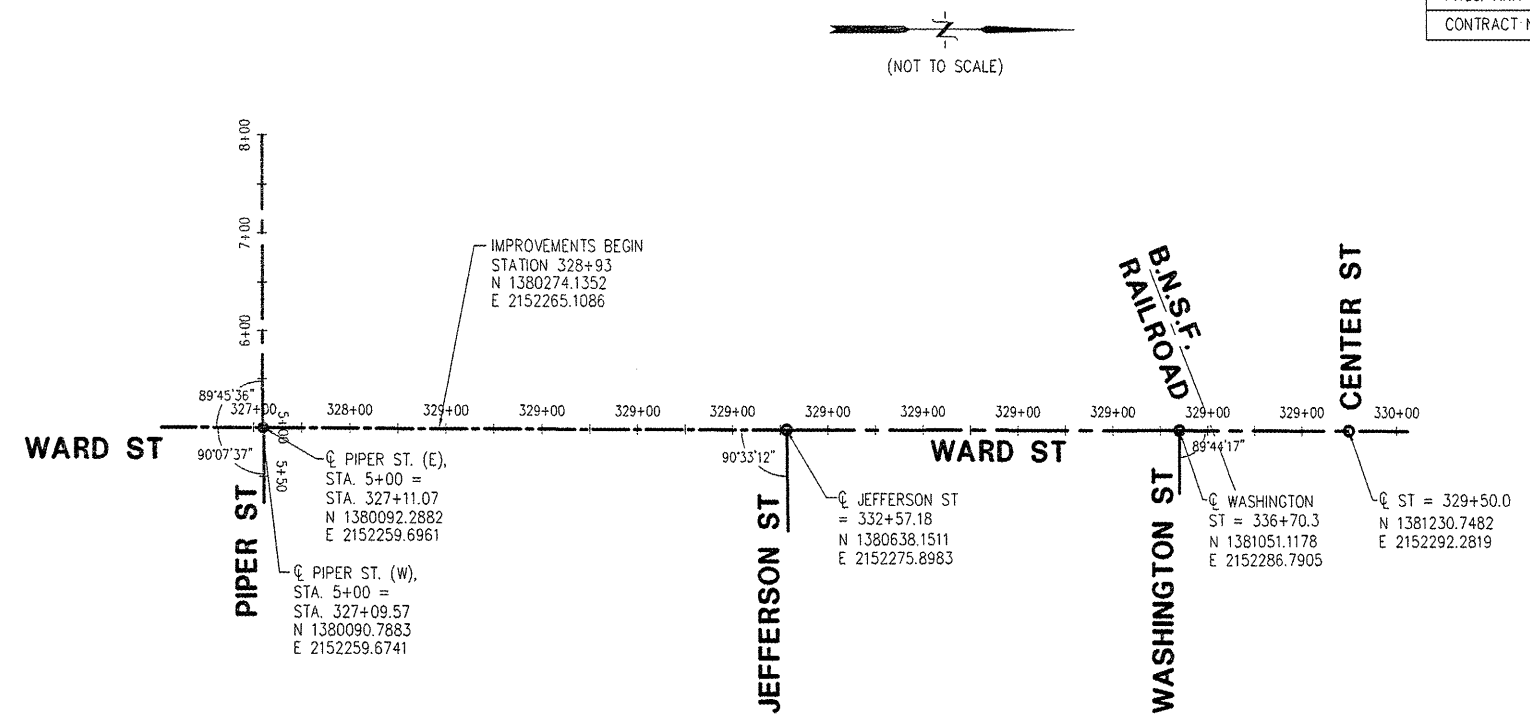
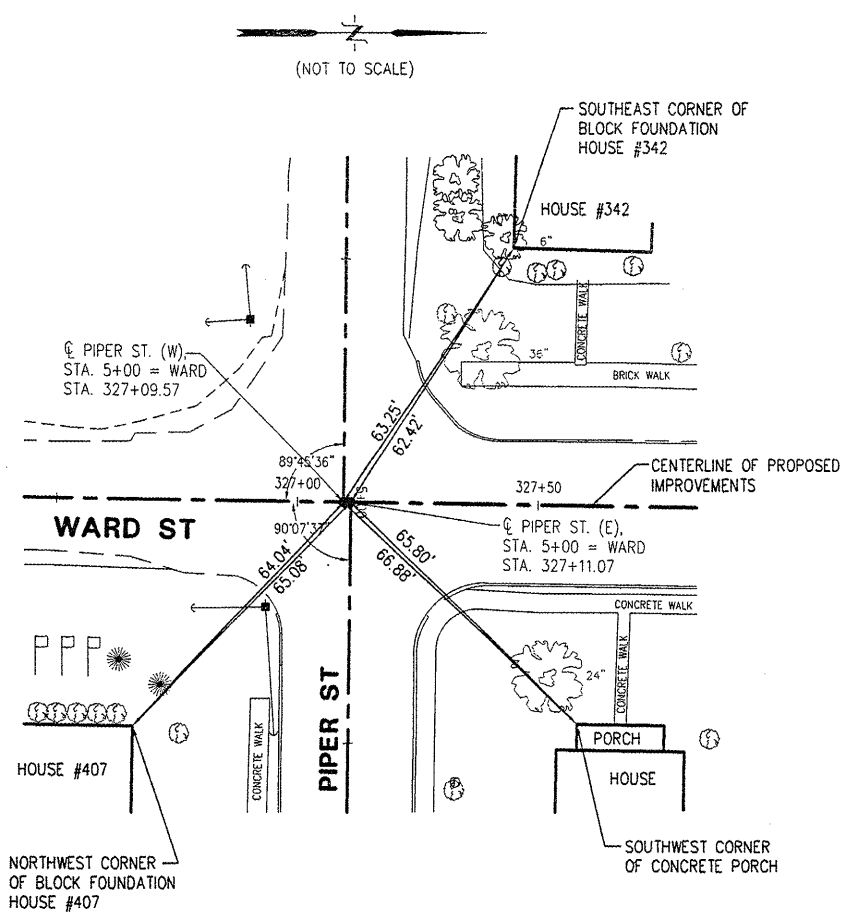
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 CHECKED BY: TAB  
 DATE: MARCH 2009

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**HORIZONTAL CONTROL POINTS**  
 CITY OF MACOMB

SOUTH WARD ST.  
 MACOMB, ILLINOIS  
 JOB NUMBER: 03-28-009098  
 FILE NAME: \\MACOMB\WARDST\PHASE 2\WARD-ST-PH2-TIES.DWG FIELD BOOK No. 2256



V:\PROJECTS\DRAWINGS\MACOMB\WARD ST\PHASE 2\WARD-ST-PH2-TIES.dwg, 3/25/2009 9:49:44 AM

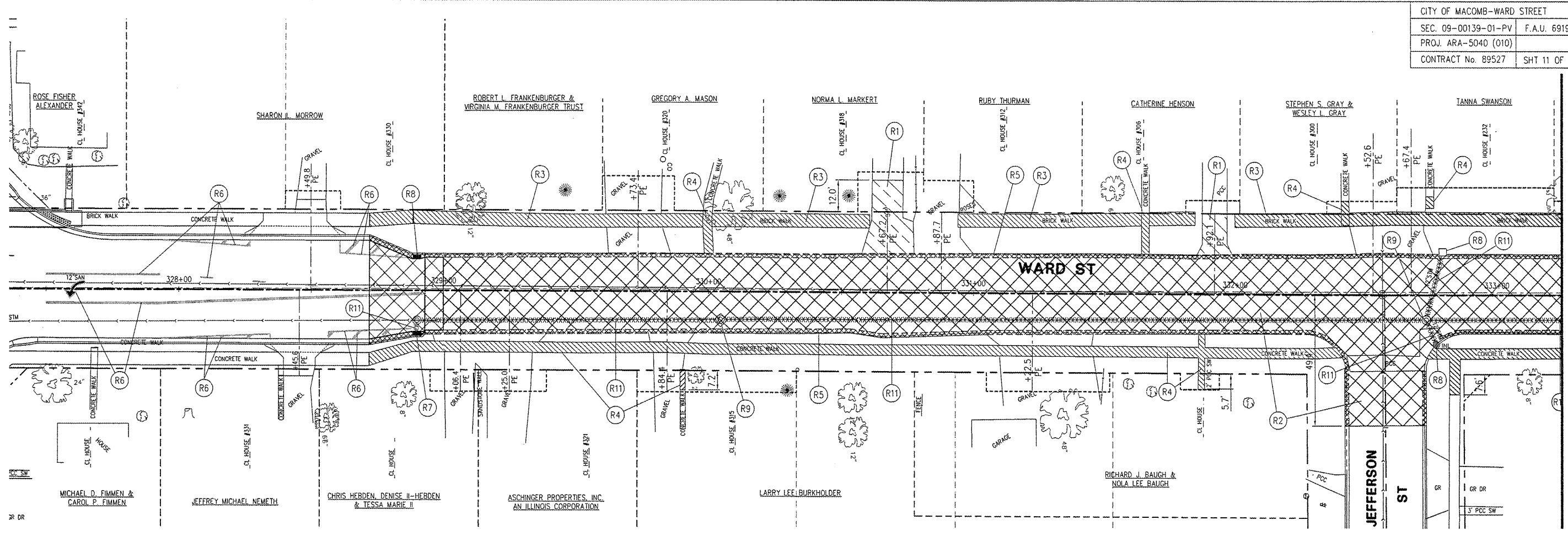
**McClure**  
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 714 East Jackson Street  
 Macomb, Illinois 61455  
 (309) 833-4594 FAX (309) 837-4909  
 Design Firm License #184-000916 Copyright 2009 by McClure Engineering Associates, Inc.

PLOTTING SCALE: 1" = 20'  
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 CHECKED BY: JAR  
 DATE: MARCH 2009

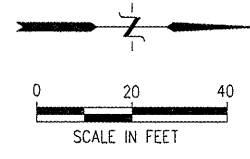
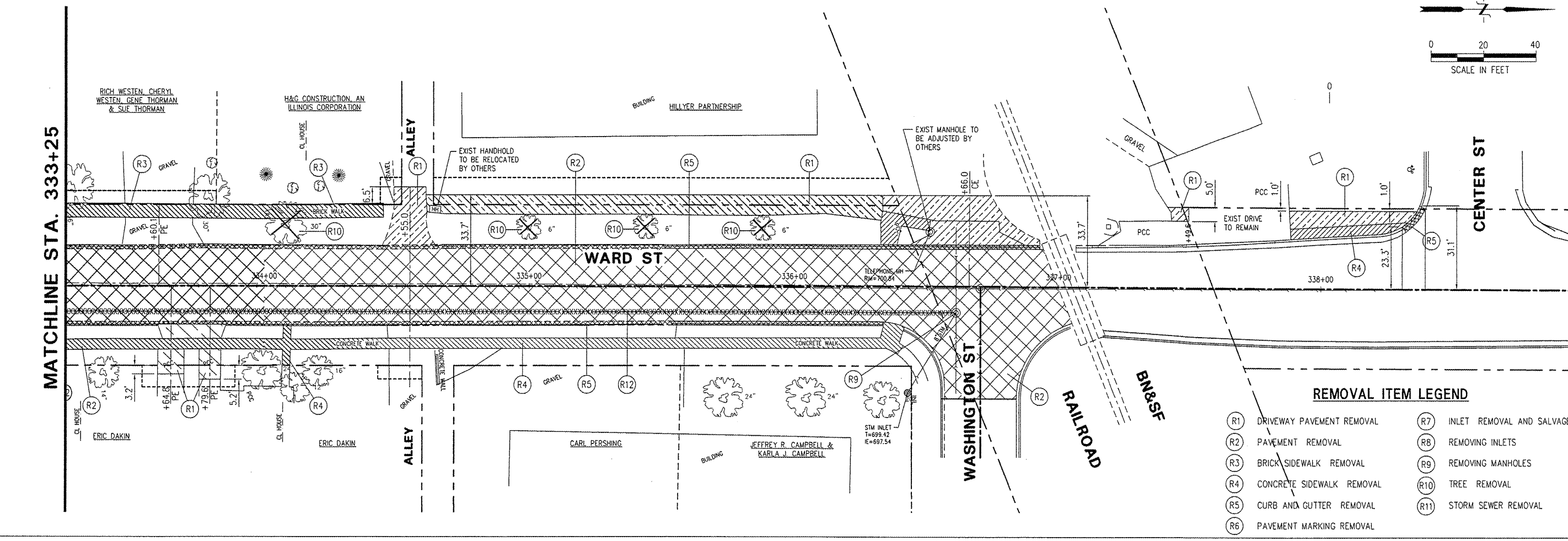
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**REMOVAL PLANS**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\PHASE 2\WARD-ST-REMOVAL-PH2.dwg FIELD BOOK No. 2257 JOB NUMBER: 03-29-09099 MACOMB, ILLINOIS



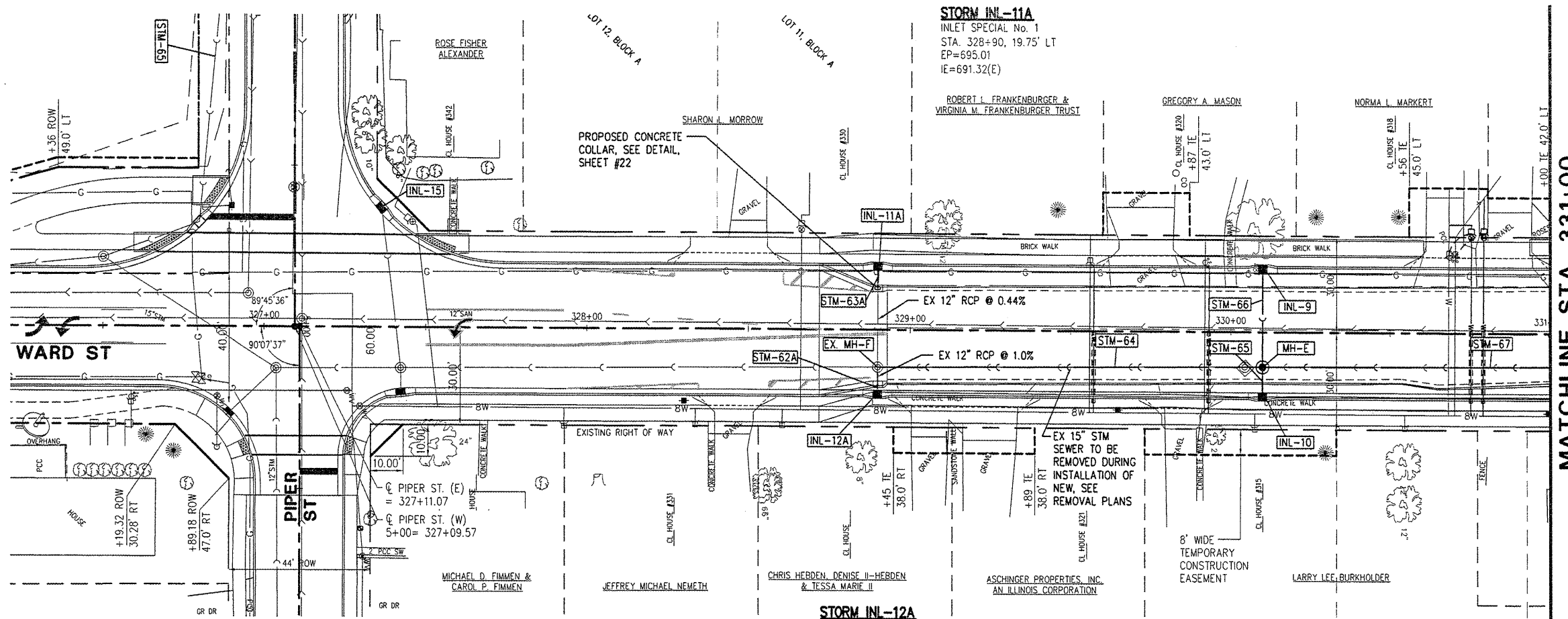
MATCHLINE STA. 333+25



- REMOVAL ITEM LEGEND**
- (R1) DRIVEWAY PAVEMENT REMOVAL
  - (R2) PAVEMENT REMOVAL
  - (R3) BRICK SIDEWALK REMOVAL
  - (R4) CONCRETE SIDEWALK REMOVAL
  - (R5) CURB AND GUTTER REMOVAL
  - (R6) PAVEMENT MARKING REMOVAL
  - (R7) INLET REMOVAL AND SALVAGE
  - (R8) REMOVING INLETS
  - (R9) REMOVING MANHOLES
  - (R10) TREE REMOVAL
  - (R11) STORM SEWER REMOVAL

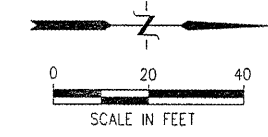
MATCHLINE STA. 333+25

V:\PROJECTS\DRAWINGS\MACOMB\WARD ST\PHASE 2\WARD-ST-PH2.dwg, 3/25/2009 9:31:45 AM



CITY OF MACOMB-WARD STREET  
 SEC. 09-00139-01-PV F.A.U. 6919  
 PROJ. ARA-5040 (010)  
 CONTRACT No. 89527 SHT 12 OF 32

SHEET NO.  
**12**  
 of **32**



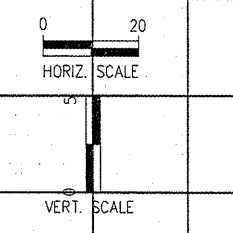
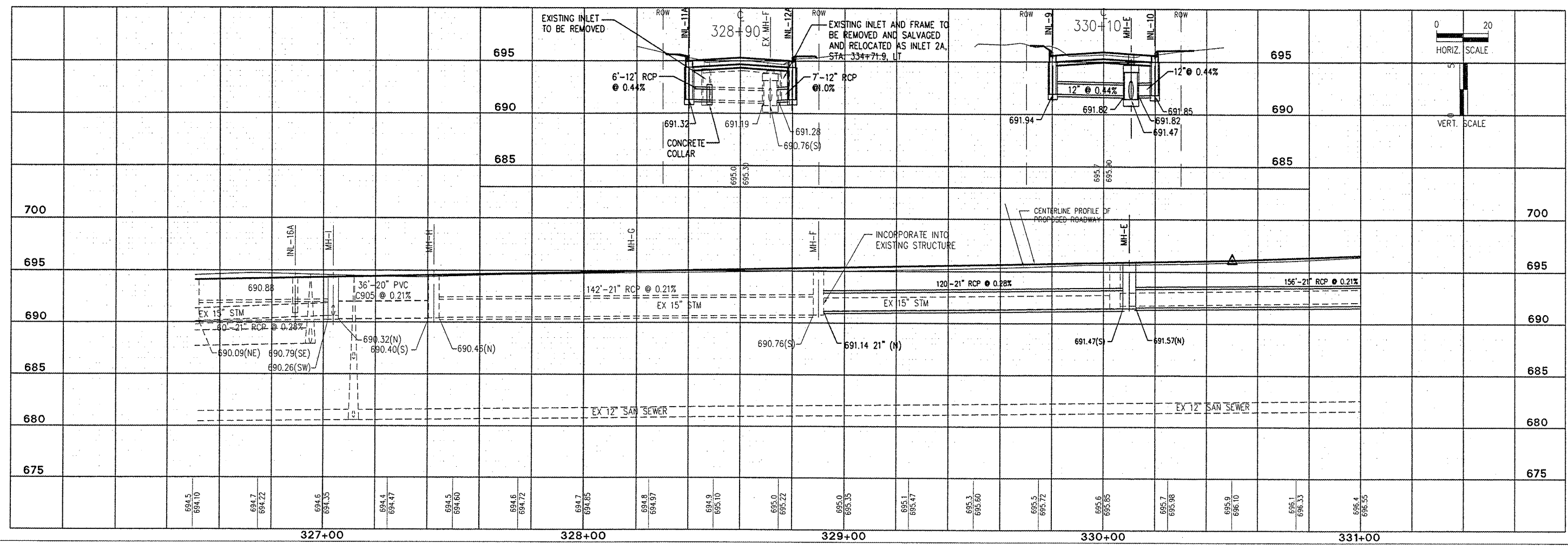
**STORM INL-9**  
 INLET SPECIAL No. 1  
 STA. 330+10, 19.75' LT  
 EP=695.61  
 IE=691.94(E)

**STORM MH-E**  
 MH TY A, 5'Ø, TY 1 FR&OL  
 STA. 330+10, 10.6' RT  
 RIM=695.73  
 IE=691.47(S)  
 IE=691.57(N)  
 IE=691.82(E,W)

**STORM INL-10**  
 INLET SPECIAL No. 1  
 STA. 330+10, 19.75' LT  
 EP=695.61  
 IE=691.85(W)

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 DATE: MARCH 2009



NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**STORM SEWER PLAN AND PROFILE - STA. 328+72 TO 331+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARDS\PHASE 2\WARD-ST-PH2.DWG FIELD BOOK No. 2257 JOB NUMBER: 03-28-06099  
 MACOMB, ILLINOIS

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CITY OF MACOMB - WARD STREET  
 SEC. 09-00139-01-PV F.A.U. 6919  
 PROJ. ARA-5040 (010)  
 CONTRACT No. 89527 SHT 13 OF 32

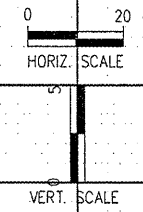
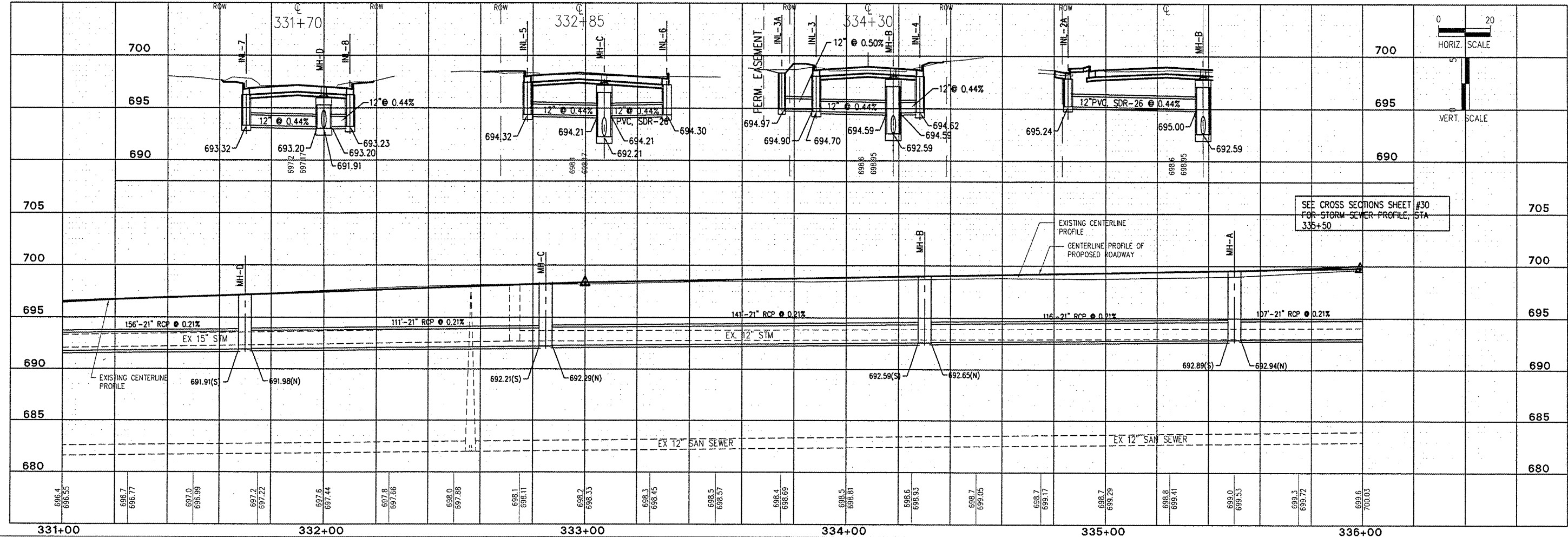
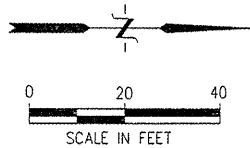
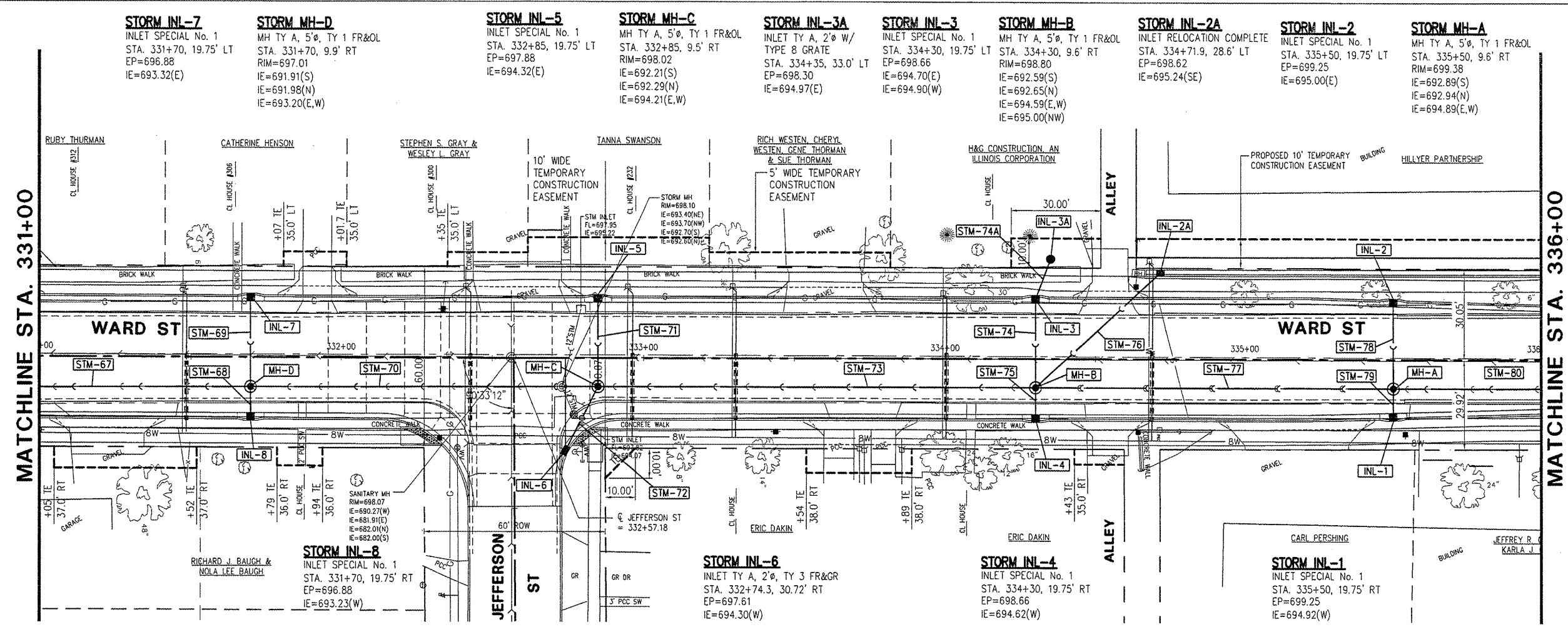
SHEET NO.  
**13**  
 of **32**

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 Macomb, Illinois 61455  
 714 East Jackson Street  
 13091 833-4594  
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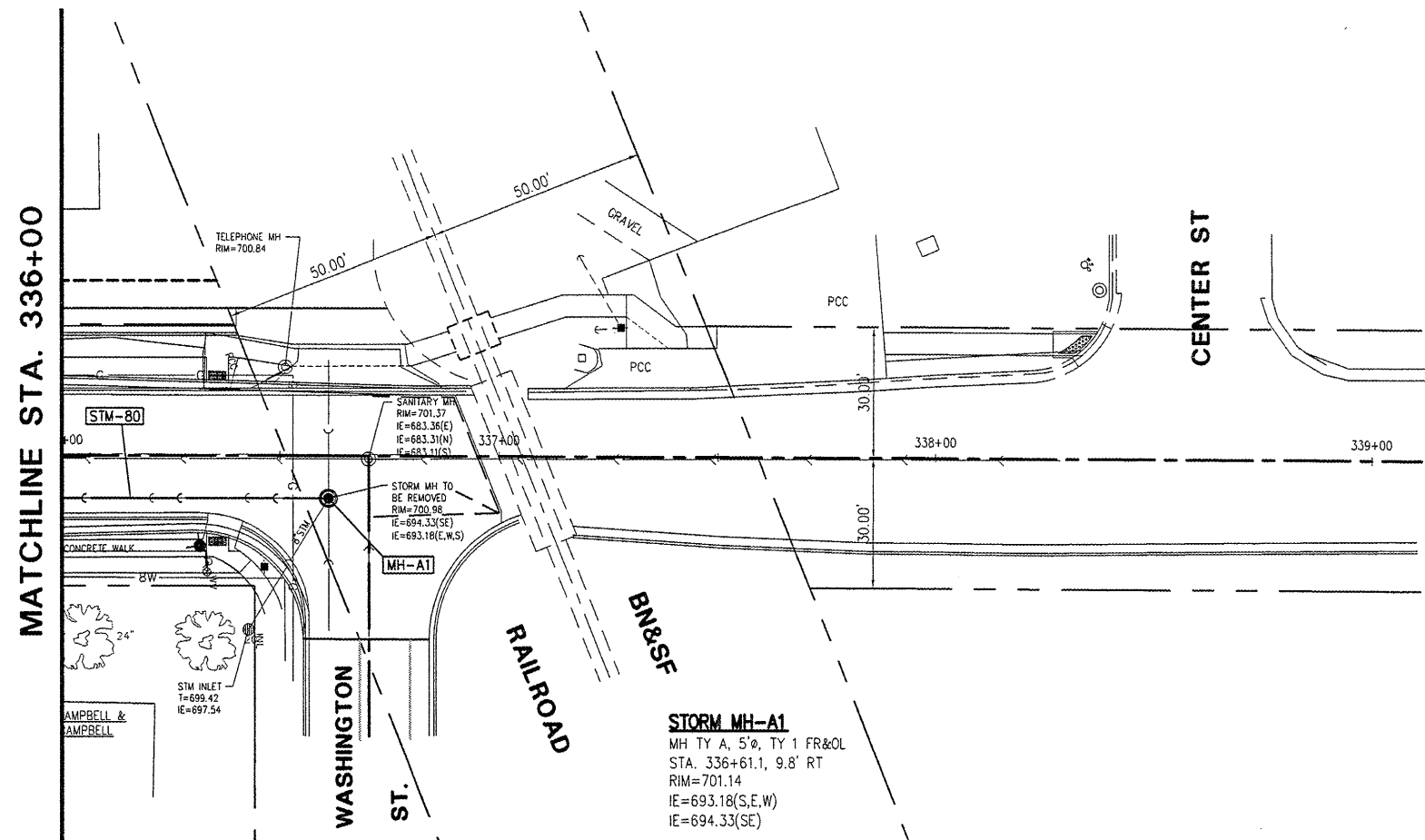
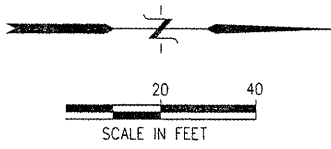
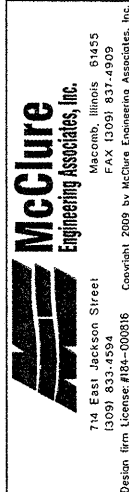
PLOTTING SCALE: 1" = 20'  
 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: MARCH 2009

NO.	REVISIONS	DATE

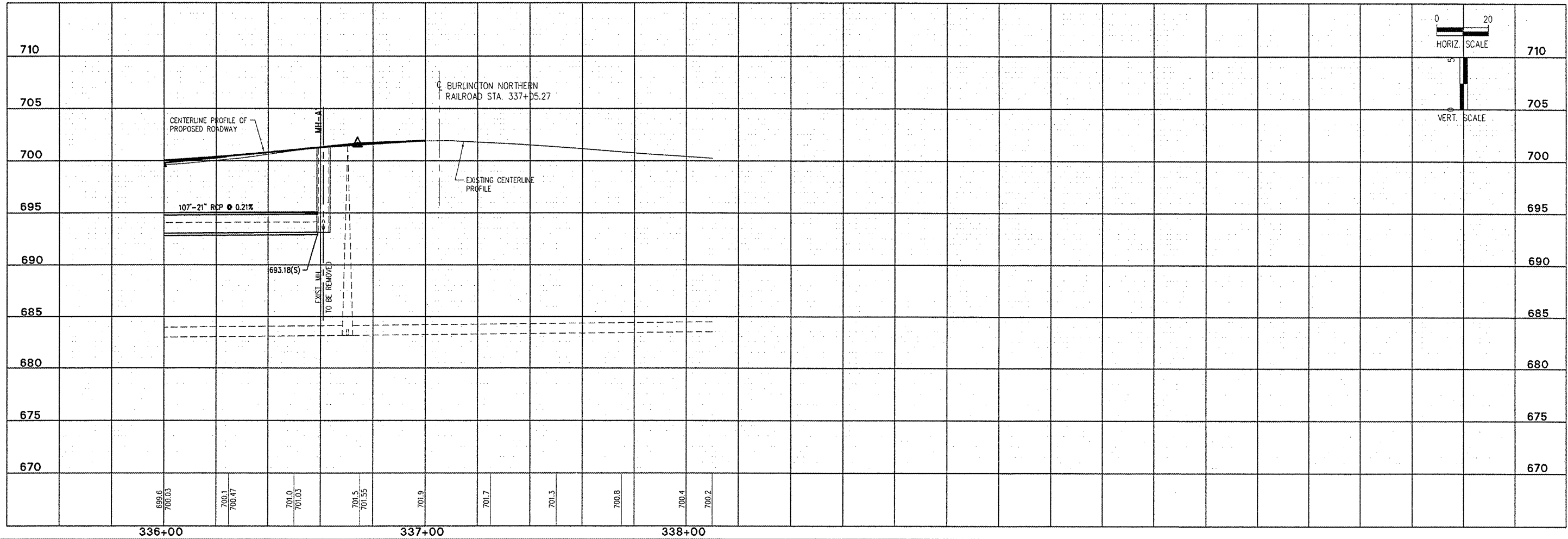
**WARD STREET IMPROVEMENTS - PHASE 2**  
**STORM SEWER PLAN AND PROFILE - STA. 331+00 TO 336+00**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARDST\PHASE 2\WARD-ST-PH2.DWG FIELD BOOK No: 2237 JOB NUMBER: 03-29-09029



SEE CROSS SECTIONS SHEET #30 FOR STORM SEWER PROFILE, STA. 335+50



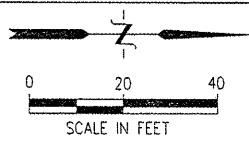
**STORM MH-A1**  
 MH TY A, 5', TY 1 FR&OL  
 STA. 336+61.1, 9.8' RT  
 RIM=701.14  
 IE=693.18(S,E,W)  
 IE=694.33(SE)



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

NO.	REVISIONS	DATE

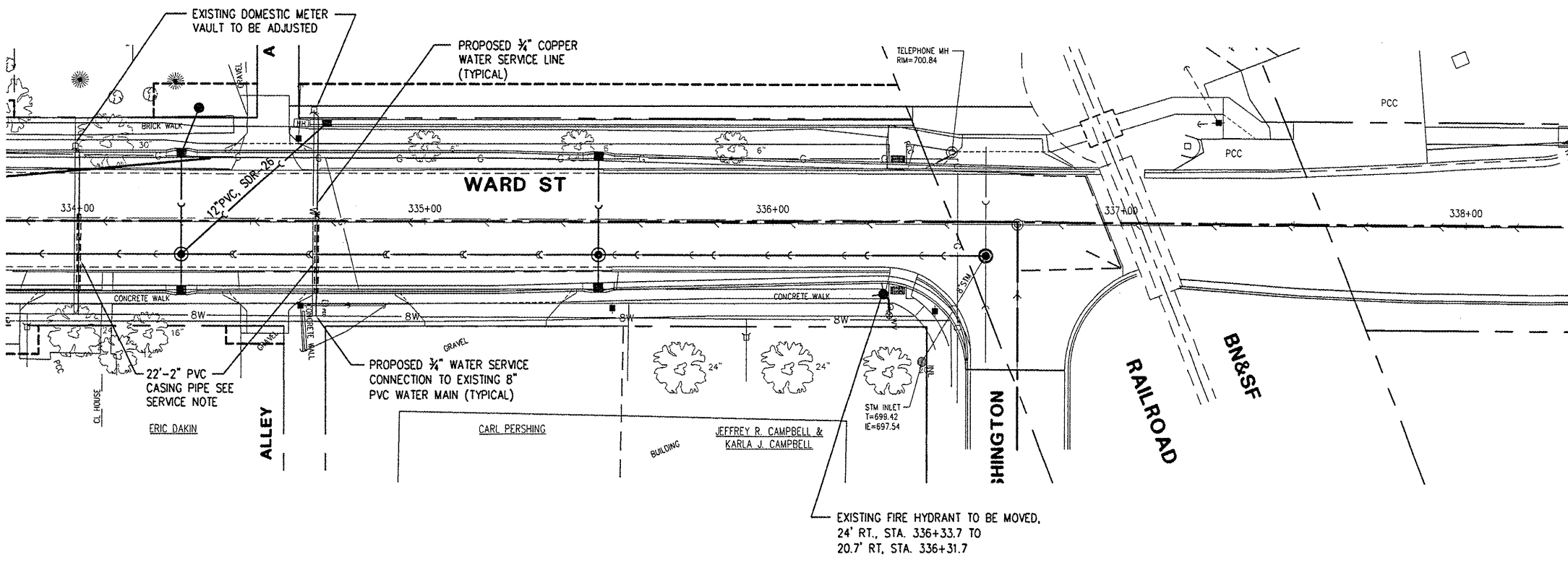
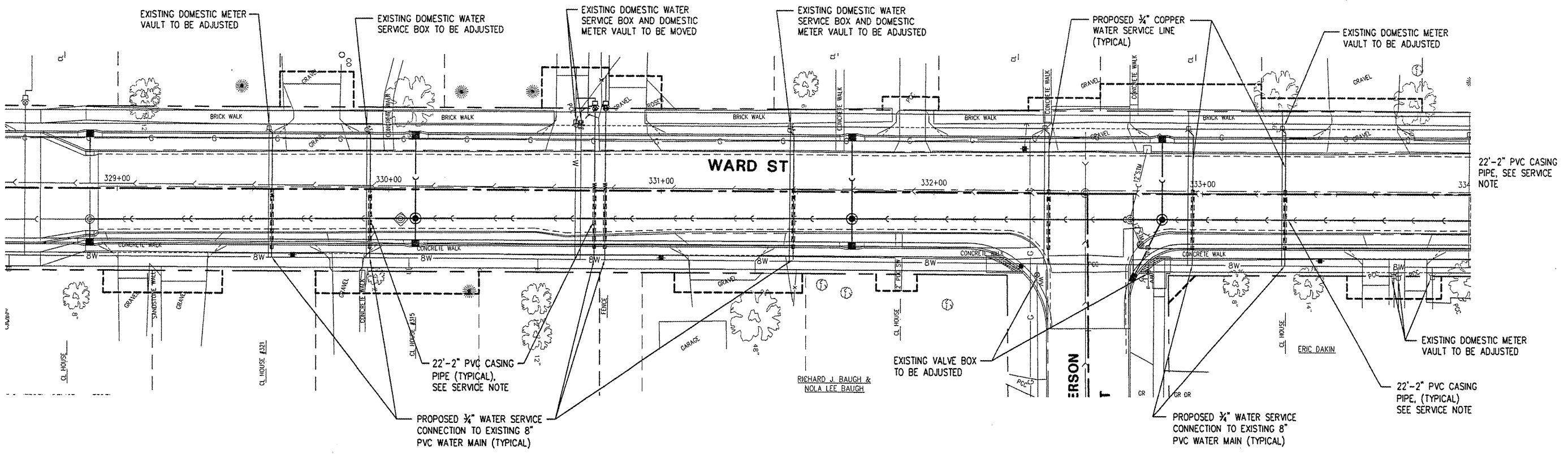
**WARD STREET IMPROVEMENTS - PHASE 2**  
**STORM SEWER PLAN AND PROFILE-STA. 336+00 TO 336+99.88**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARDST\PHASE 2\WARD-ST-PH2.DWG FIELD BOOK No. 2257 JOB NUMBER: 02-28-000989  
 MACOMB, ILLINOIS



CITY OF MACOMB-WARD STREET  
 SEC. 09-00139-01-PV F.A.U. 6919  
 PROJ. ARA-5040 (010)  
 CONTRACT No. 89527 SHT 15 OF 32

SHEET NO.  
**15**  
 of **32**

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**SERVICE NOTE:**  
 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 TO AND INCLUDING SERVICE AT STA. 333+31. SERVICE AT STA. 334+00 AND NORTH SHALL BE INSTALLED IN PVC CASING OVER STORM SEWER WITH MINIMAL CLEARANCE

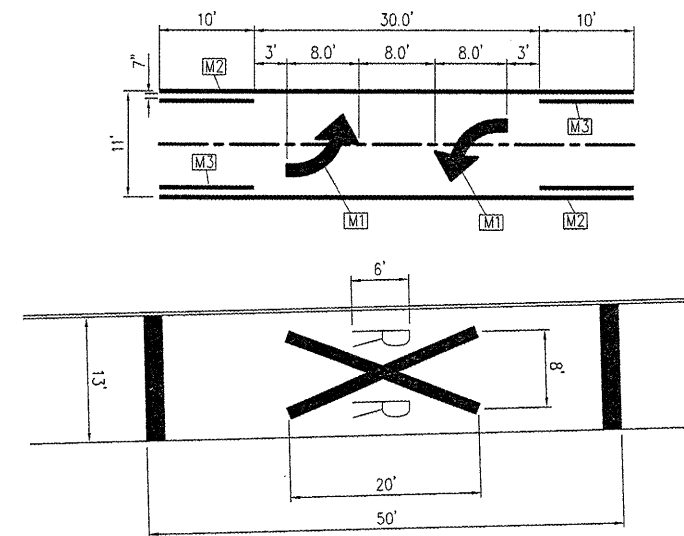
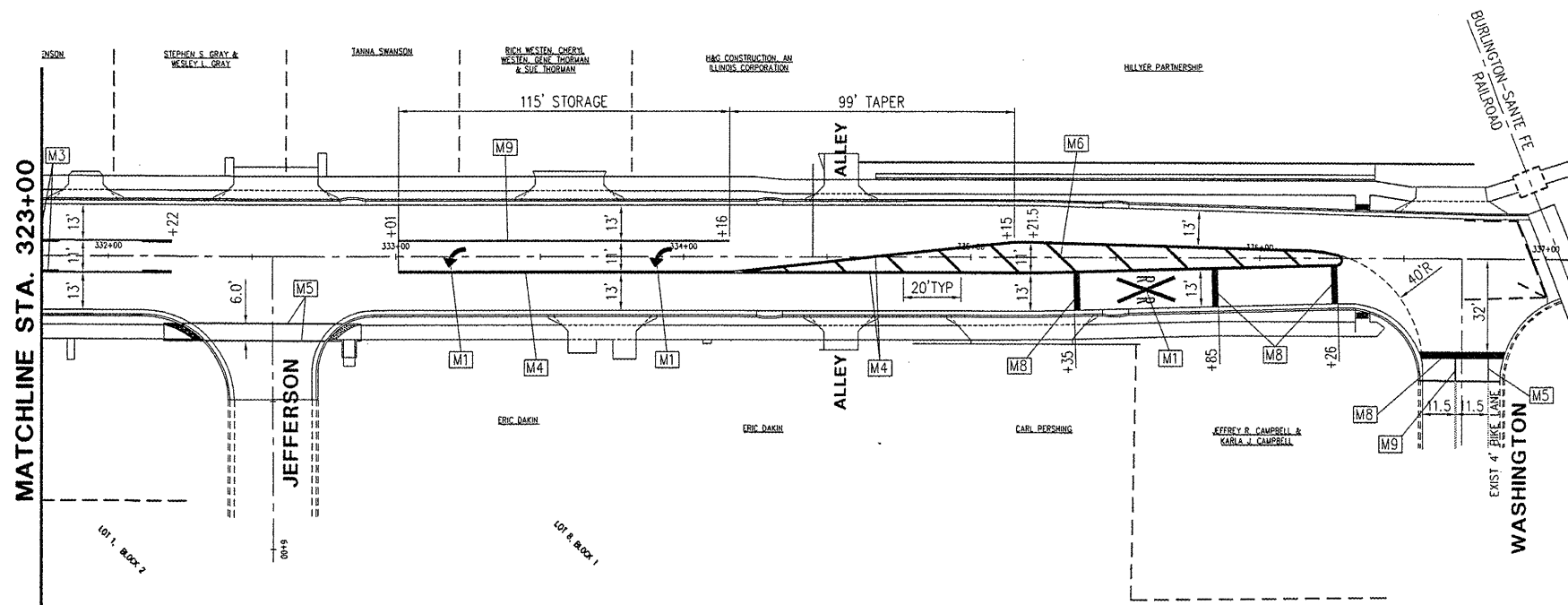
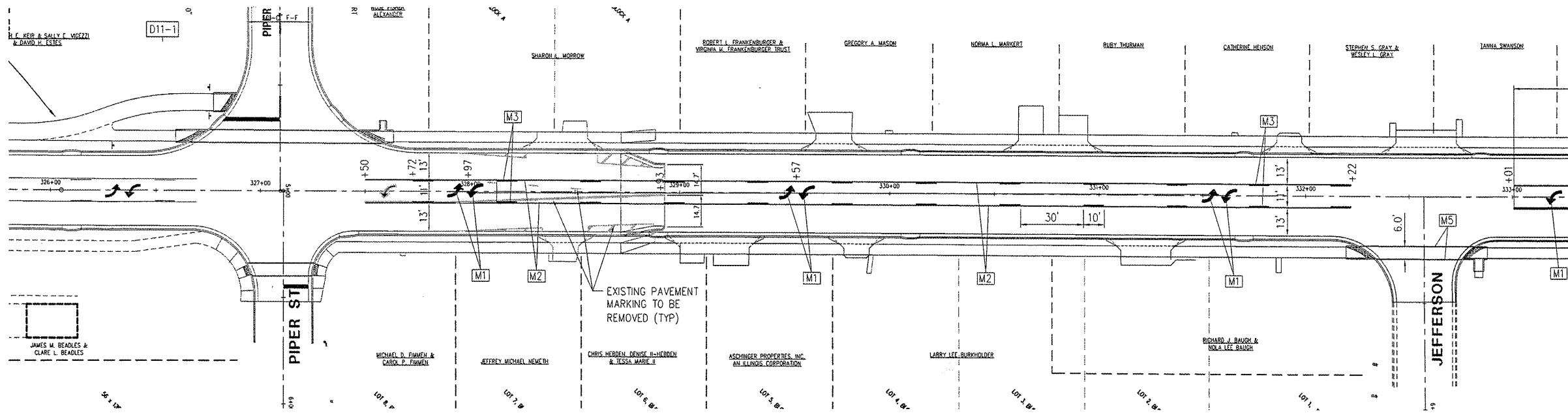
PLOTTING SCALE: 1" = 20'  
 DRAWN BY: TAB  
 CHECKED BY: JAR  
 DATE: MARCH 2009

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**WATER SERVICE ADJUSTMENT PLAN**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARDST\PHASE 2\WARD-ST-PH2.DWG FIELD BOOK No. Z257 JOB NUMBER: 03-28-08096

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PAVEMENT MARKING DETAIL

PAVEMENT MARKING LEGEND

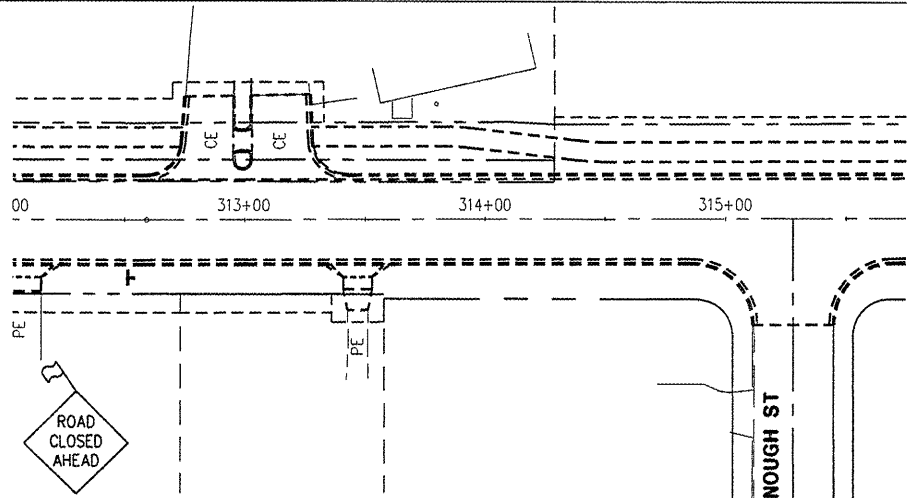
- M1 POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS, SPECIAL - LEFT/RIGHT TURN ARROWS (WHITE)
- M2 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (YELLOW)
- M3 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (YELLOW-SKIP/DASH)
- M4 POLYUREA PAVEMENT MARKING, TYPE 1-LINE, 4" (DOUBLE YELLOW)
- M5 POLYUREA PAVEMENT 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: JAF  
 DATE: MARCH 2009

NO.	REVISIONS	DATE

WARD STREET IMPROVEMENTS - PHASE 2  
 PAVEMENT MARKING PLAN  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\ST\PHASE 2\WARD-ST-PH2.DWG FIELD BOOK No. 2257 JOB NUMBER: 03-28-08088  
 MACOMB, ILLINOIS





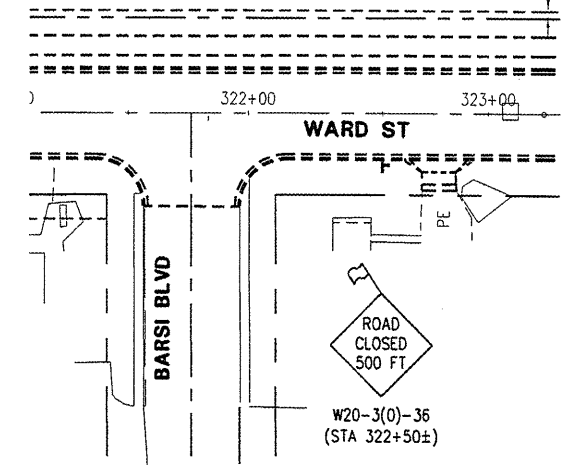
**STAGE 1 - MAINLINE STORM SEWER**

**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 BE ALLOWED DURING WORKING HOURS. OUTSIDE OF WORKING HOURS, THIS PORTION OF WARD STREET SHALL BE KEPT OPEN TO LOCAL TRAFFIC.
- 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.



**STAGE 2**

**CONSTRUCTION**

1. CONSTRUCT CROSSROAD AND LATERAL STORM SEWER.
2. CONSTRUCT TEMPORARY AGGREGATE ACCESS AT ALL STORM SEWER TRENCHES.
3. REMOVE EXISTING SIDEWALK AND DRIVEWAY PAVEMENT AS INDICATED ALONG THE WEST SIDE OF WARD STREET. PROVIDE TEMPORARY GRAVEL ACCESS AT DRIVEWAYS UNTIL PERMANENT PAVEMENT IS CONSTRUCTED.
4. PERFORM EARTHWORK AND FINAL UTILITY ADJUSTMENTS AS NEEDED ON THE WEST SIDE OF WARD STREET.
5. CONSTRUCT SIDEWALK, CURB AND GUTTER, AND DRIVEWAY APRONS ON THE WEST SIDE OF WARD STREET.
6. REMOVE EXISTING SIDEWALK AND DRIVEWAY PAVEMENT AS INDICATED ALONG THE EAST SIDE OF WARD STREET. PROVIDE TEMPORARY GRAVEL ACCESS AT DRIVEWAYS UNTIL PERMANENT PAVEMENT IS CONSTRUCTED.
7. PERFORM EARTHWORK AND FINAL UTILITY ADJUSTMENTS AS NEEDED ON THE EAST SIDE OF WARD STREET.
8. CONSTRUCT SIDEWALK, CURB AND GUTTER, AND DRIVEWAY APRONS ON THE EAST SIDE OF WARD STREET.
9. REMOVE EXISTING PAVEMENT FROM STA. 328+72 TO STA. 329+70.
10. PERFORM GRADING WORK AND CONSTRUCT PAVEMENT.
11. REMOVE EXISTING PAVEMENT FROM STA. 329+70 TO STA. 332+57.
12. PERFORM GRADING WORK AND CONSTRUCT PAVEMENT.

**TRAFFIC**

- A. CONSTRUCT IMPROVEMENTS FROM STA. 328+72 TO STA. 332+57 WHILE CLOSING THIS PORTION OF WARD STREET TO THRU TRAFFIC, BUT ALLOWING ACCESS FOR LOCAL TRAFFIC AS MUCH AS POSSIBLE.
- B. DURING STORM CONSTRUCTION, A MINIMUM OF ONE LANE SHALL BE OPEN OUTSIDE OF WORKING HOURS TO ALLOW ACCESS TO LOCAL RESIDENTS.
- C. ACCESS TO PROPERTIES ON THE WEST SIDE OF WARD STREET SHALL BE MAINTAINED FROM THE ALLEY WEST OF AND ADJACENT TO THESE PROPERTIES AT ALL TIMES WHEN THE DRIVEWAYS ARE NOT ACCESSIBLE.
- D. DURING REMOVAL AND CONSTRUCTION OF SIDEWALK AND DRIVEWAY APRONS ON THE WEST SIDE OF WARD STREET (CONSTRUCTION ITEMS 1-3), RESIDENTS ON THE EAST SIDE OF WARD STREET SHALL BE ALLOWED ACCESS TO THEIR DRIVEWAYS AS USUAL. DURING REMOVAL AND CONSTRUCTION OF SIDEWALK AND DRIVEWAY APRONS ON THE EAST SIDE OF WARD STREET (CONSTRUCTION ITEMS 4-6), RESIDENTS ON THE EAST SIDE OF WARD STREET SHALL BE ALLOWED TO PARK ALONG THE WEST SIDE OF THE STREET.
- E. DURING REMOVAL AND CONSTRUCTION OF PAVEMENT FROM STA. 328+72 TO STA. 329+70 (CONSTRUCTION ITEMS 7-8), RESIDENTS ON THE EAST SIDE OF WARD STREET SHALL BE ALLOWED TO PARK ALONG THE STREET BETWEEN STA. 329+70 AND STA. 332+25±. DURING REMOVAL AND CONSTRUCTION OF PAVEMENT FROM STA. 329+70 TO STA. 332+60 (CONSTRUCTION ITEMS 9-10), RESIDENTS ON THE EAST SIDE OF WARD STREET SHALL BE ALLOWED TO PARK ALONG THE STREET BETWEEN STA. 327+75 AND STA. 329+70.

**STAGE 2**  
STA 328+72 TO STA 332+57

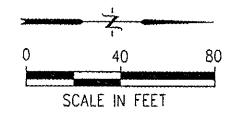
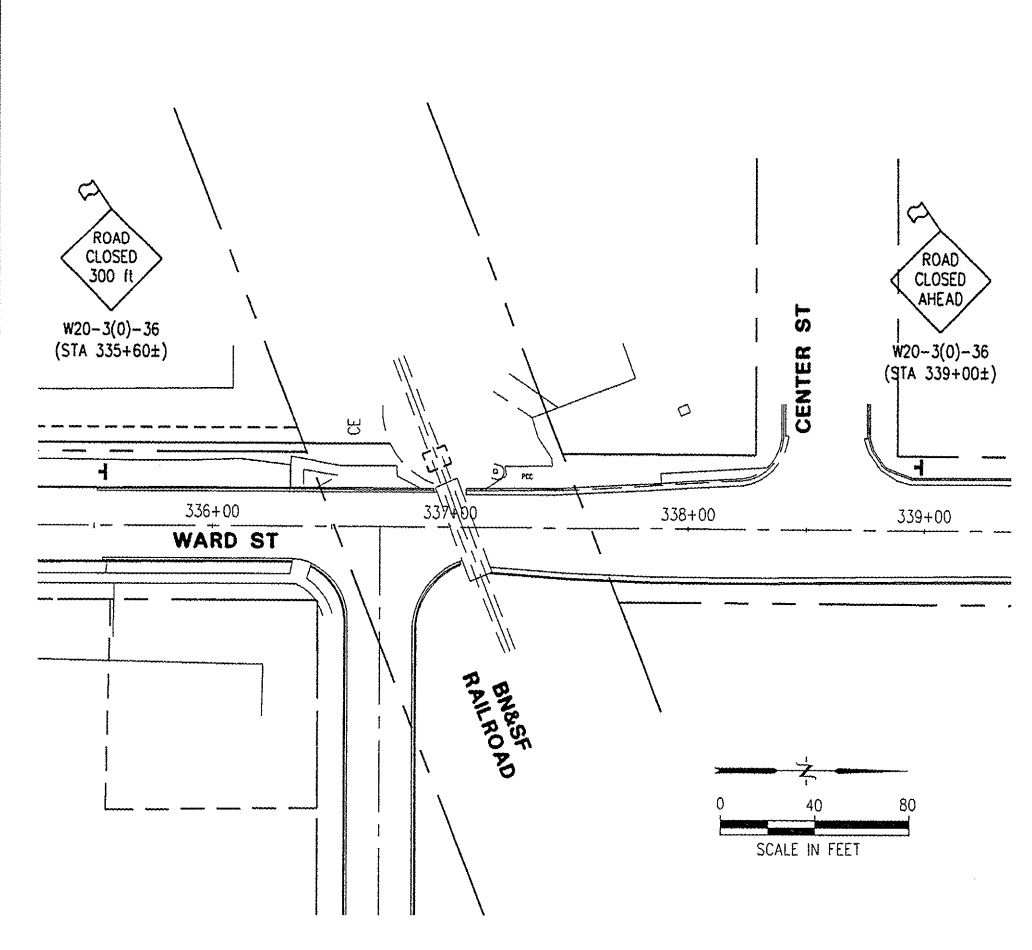
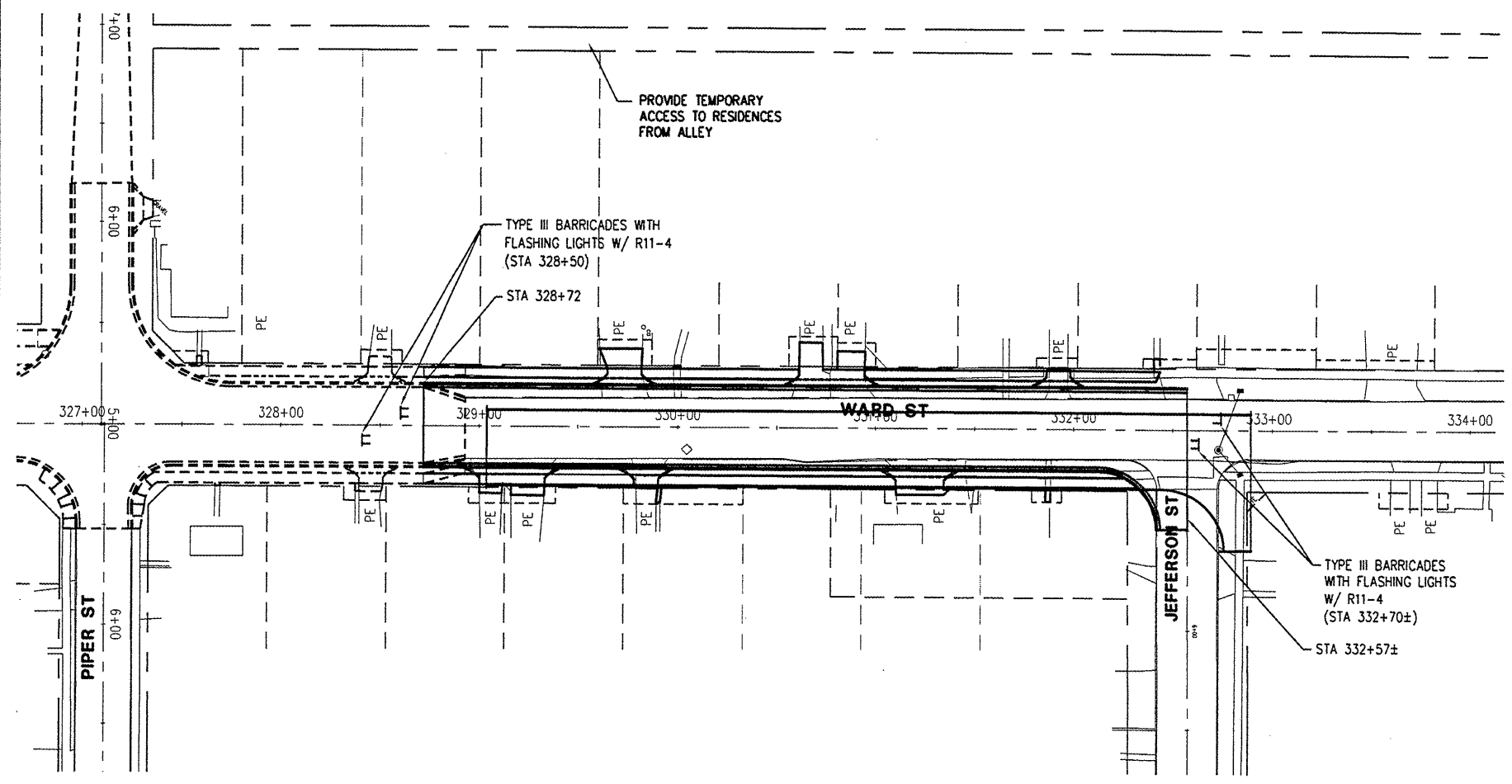
CITY OF MACOMB-WARD STREET	
SEC. 09-00139-01-PV	F.A.U. 6919
PROJ. ARA-5040 (010)	
CONTRACT No. 89527	SHT 17 OF 32

SHEET NO.  
**17**  
of **32**

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DRAWN BY: JAY
CHECKED BY: JAR
DATE: MARCH 2009

NO.	REVISIONS	ITEM	DATE



**WARD STREET IMPROVEMENTS - STAGE 1 & 2**  
**CONSTRUCTION STAGING PLAN**  
CITY OF MACOMB

SOUTH WARD ST.  
FILE NAME: \\MACOMB\WARDST\WARD-ST-2007-STAGING  
FIELD BOOK No. 2237  
JOB NUMBER: 07-29-08-058  
MACOMB, ILLINOIS  
JOB NUMBER: 07-29-08-058

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 Macomb, Illinois  
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 714 East Jackson Street  
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**STAGE 3**

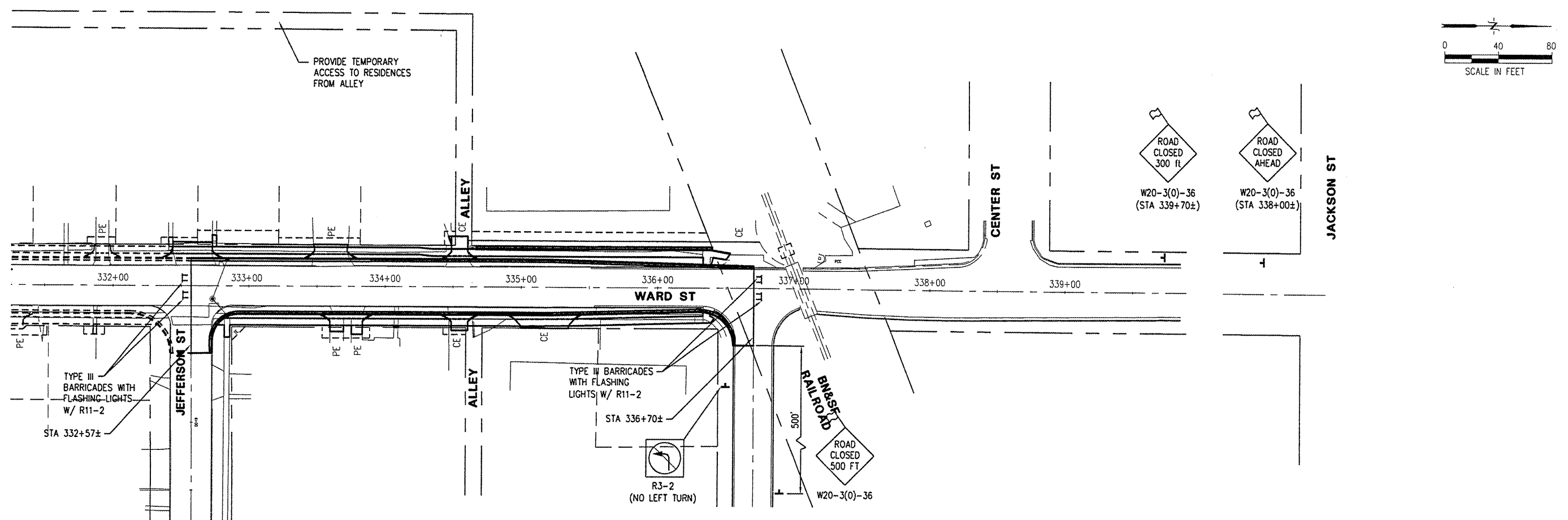
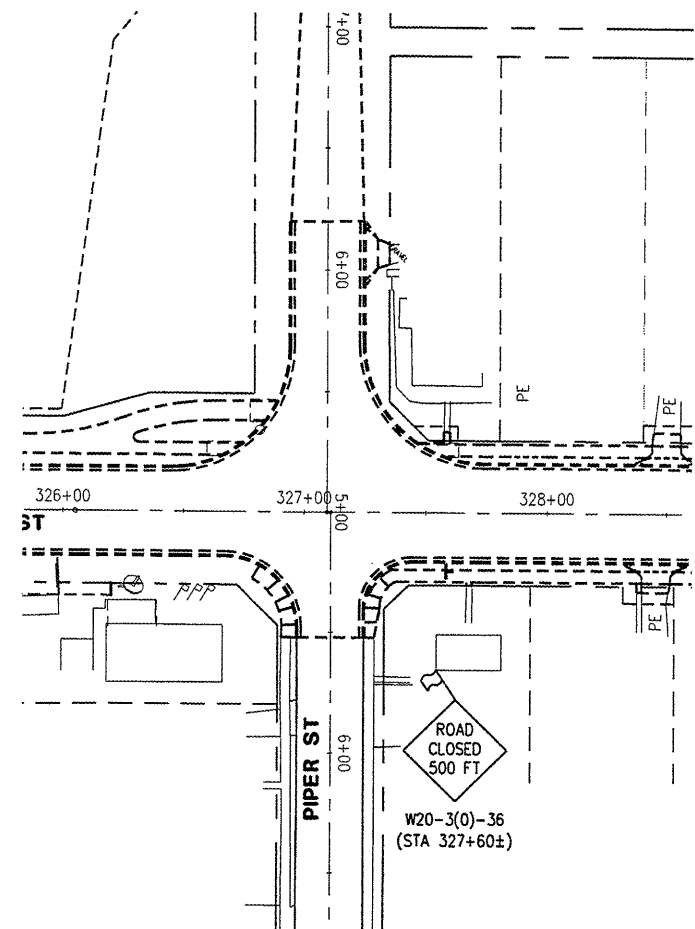
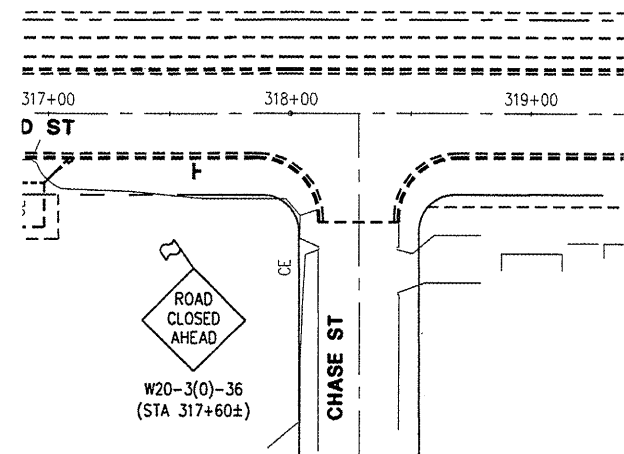
CONSTRUCTION

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 AS NEEDED.
5. COORDINATE WORK WITHIN THE RAILROAD RIGHT-OF-WAY WITH THE BURLINGTON NORTHERN-SANTA FE RAILWAY COMPANY AS NECESSARY.
6. CONSTRUCT CURB AND GUTTER AND PAVEMENT.
7. SIDEWALK, DRIVEWAY APRONS, AND OTHER ITEMS CAN BE COMPLETED NOW OR IN STAGE 4.

TRAFFIC

- A. CONSTRUCT IMPROVEMENTS FROM STA. 332+57 TO STA. 336+70 WHILE CLOSING THIS PORTION OF WARD STREET TO ALL TRAFFIC. TWO-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED OUTSIDE THESE LIMITS.
- B. ACCESS TO PROPERTIES ON THE WEST SIDE OF WARD STREET SHALL BE MAINTAINED FROM THE ALLEY WEST OF AND ADJACENT TO THESE PROPERTIES.
- C. ACCESS TO THE PROPERTIES ON THE EAST SIDE CAN BE GAINED VIA JEFFERSON STREET, WASHINGTON STREET, AND THE ALLEY BETWEEN THESE STREETS. RESIDENTS ON THE NORTHEAST CORNER OF WARD AND JEFFERSON WILL BE ALLOWED TO PARK ON JEFFERSON STREET DURING THIS STAGE.

**STAGE 3**  
 STA 332+57 TO STA 326+70



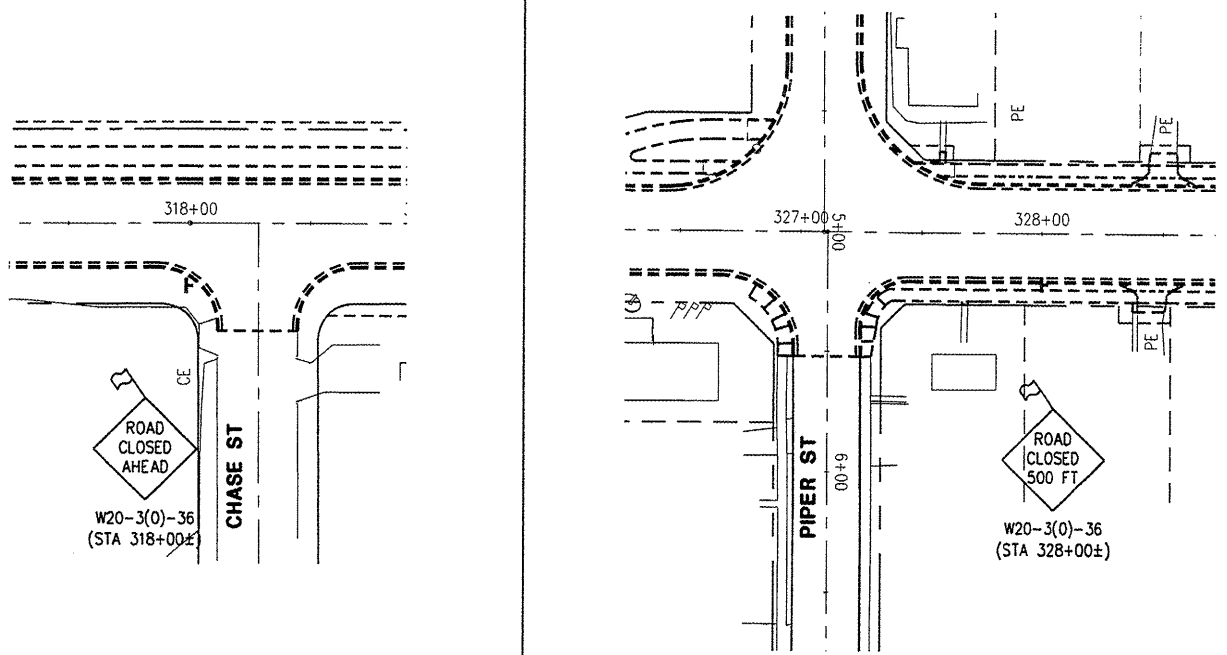
PLOTTING SCALE: 1" = 40'

DRAWN BY:	JAH
CHECKED BY:	JAH
DATE:	MARCH 2009

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS - STAGE 3**  
**CONSTRUCTION STAGING PLAN**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \MACOMB\WARDST\WARD-ST-STAGING FIELD BOOK No. 2257 JOB NUMBER: 03-26-09-099  
 MACOMB, ILLINOIS



**STAGE 4**

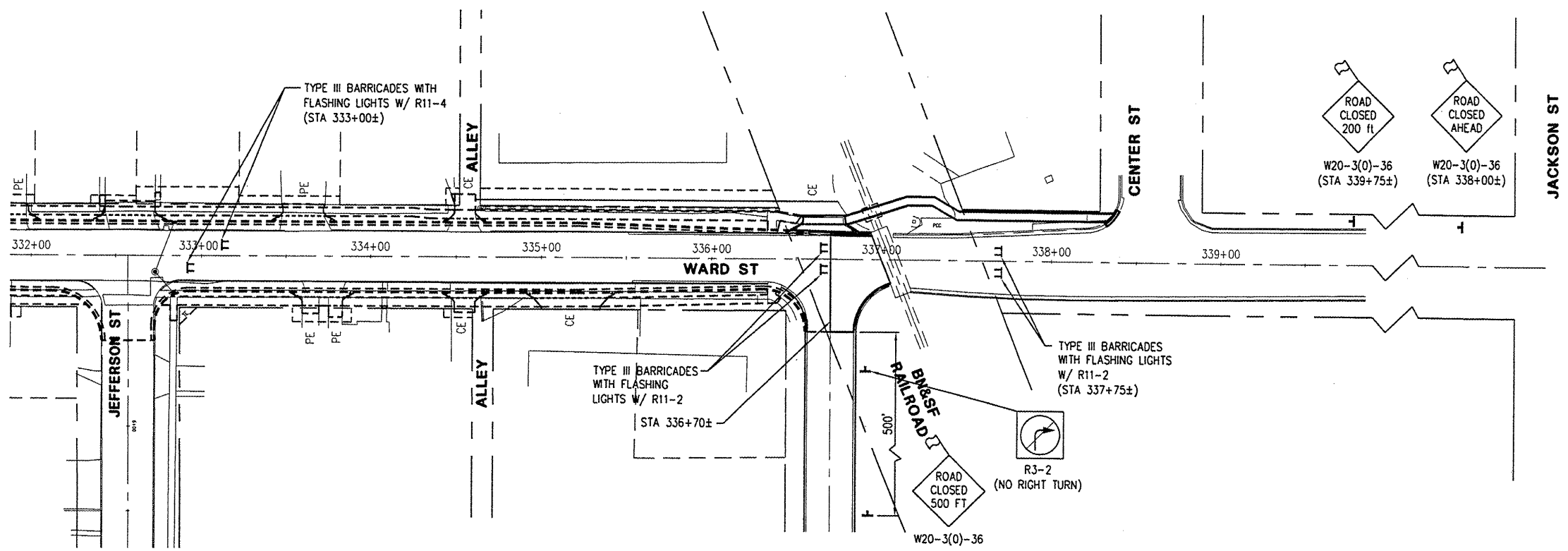
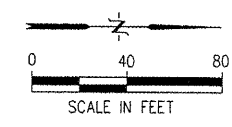
**CONSTRUCTION**

1. REMOVE EXISTING PAVEMENT AND OTHER ITEMS INDICATED.
2. COORDINATE WORK WITHIN THE RAILROAD RIGHT-OF-WAY WITH THE BURLINGTON NORTHERN-SANTA FE RAILWAY COMPANY AS NECESSARY.
3. CONSTRUCT CURB AND GUTTER AND PAVEMENT.
4. SIDEWALK IMPROVEMENTS CAN BE COMPLETED NOW OR AFTER THE ROAD HAS BEEN OPENED TO TRAFFIC.

**TRAFFIC**

- A. CONSTRUCT IMPROVEMENTS FROM STA. 336+70 TO CENTER STREET WHILE CLOSING WARD STREET FROM STA. 336+70 TO STA. 337+75 TO ALL TRAFFIC. WARD STREET SHALL BE CLOSED TO THRU TRAFFIC FROM STA. 333+00 TO STA. 336+70. TWO-LANE, 2-WAY TRAFFIC SHALL BE MAINTAINED OUTSIDE THESE LIMITS.
- B. WESTBOUND TRAFFIC ON WASHINGTON STREET SHALL BE ALLOWED TO TURN SOUTH ONLY ONTO WARD STREET.

**STAGE 4**  
STA 336+70 TO NORTH END



**WARD STREET IMPROVEMENTS - STAGE 4**  
**CONSTRUCTION STAGING PLAN**

CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: [MACOMB\WARDST\WARD-ST-2007-STAGING] FIELD BOOK No: 2237 JOB NUMBER: 03-28-08-089  
 MACOMB, ILLINOIS  
 SOUTH WARD ST.

NO.	REVISIONS	DATE

PLOTTING SCALE:	1" = 40'
DRAWN BY:	JAH
CHECKED BY:	JAH
DATE:	MARCH 2009



W:\PROJECTS\DRAWINGS\MACOMB\WARD ST\PHASE 2\WARD-ST-PH2-TYPSEC.dwg, DETAIL SI, 6/30/2009 10:33:58 AM

CITY OF MACOMB-WARD STREET	
SEC. 09-00139-01-PV	F.A.U. 6919
PROJ. ARA-5040 (010)	
CONTRACT No. 89527	SHT 21 OF 32

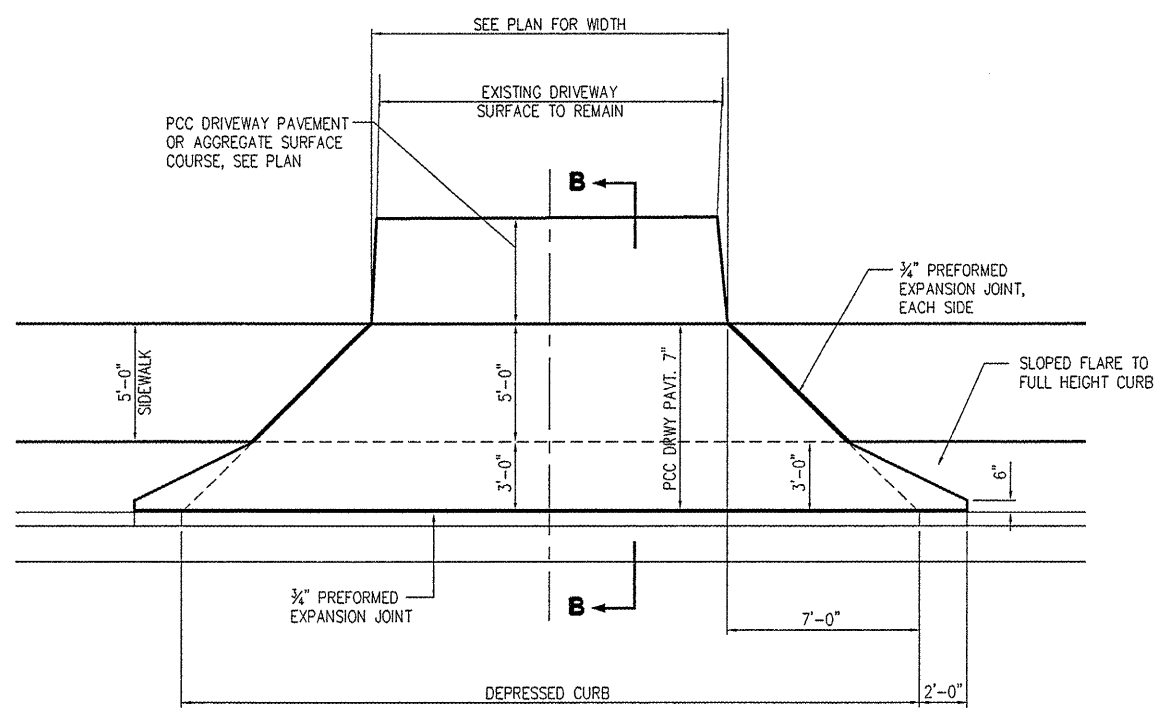
SHEET NO.  
**21**  
of **32**

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Engineering Associates, Inc.  
Macomb, Illinois 61455  
714 East Jackson Street  
13091 833-4984  
FAX 13091 837-4909  
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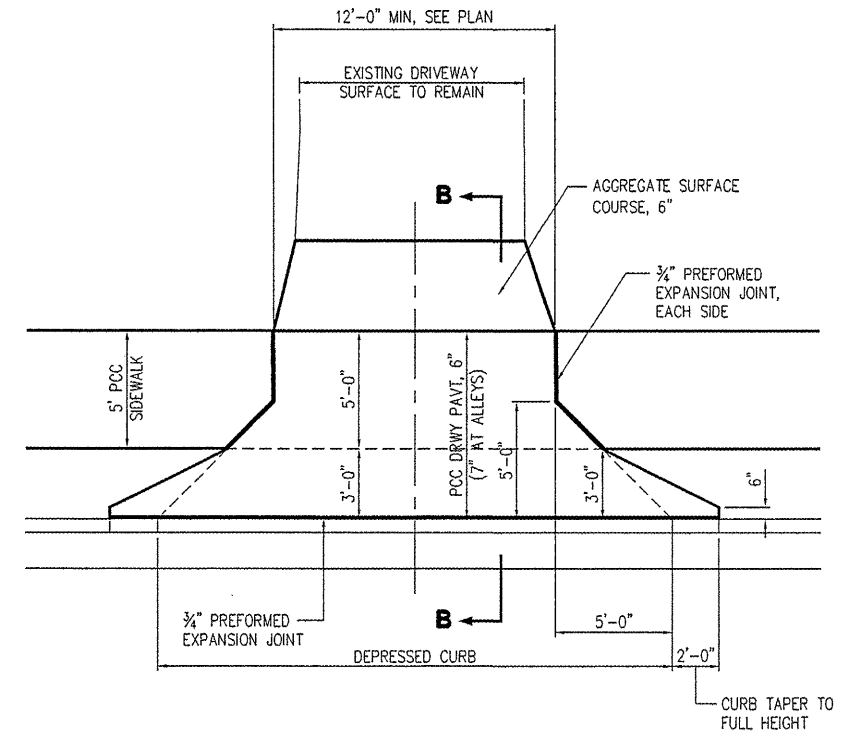
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DATE:	MARCH 2009

NO.	REVISIONS	DATE

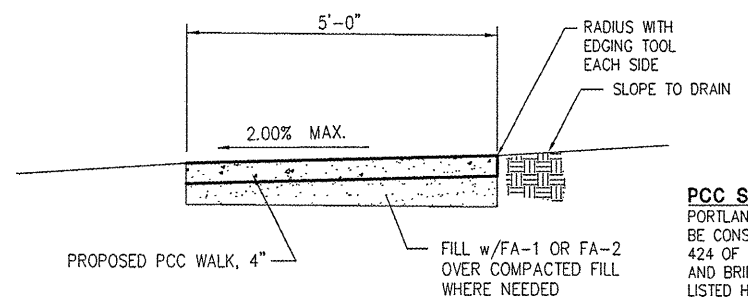
**WARD STREET IMPROVEMENTS - PHASE 2**  
**TYPICAL CONSTRUCTION DETAILS**  
CITY OF MACOMB  
SOUTH WARD ST.  
FILE NAME: \MACOMB\WARD\ST\PHASE 2\WARD-ST-PH2-TYPSEC.DWG FIELD BOOK No: 2227 JOB NUMBER: 03-29-08098  
MACOMB, ILLINOIS



**COMMERCIAL ENTRANCE PLAN**

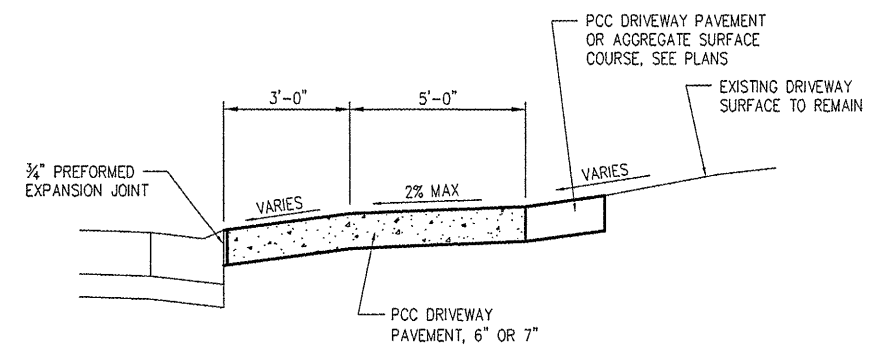


**PRIVATE ENTRANCE PLAN**  
**INCLUDES ALLEYS AT STA. 334+55**



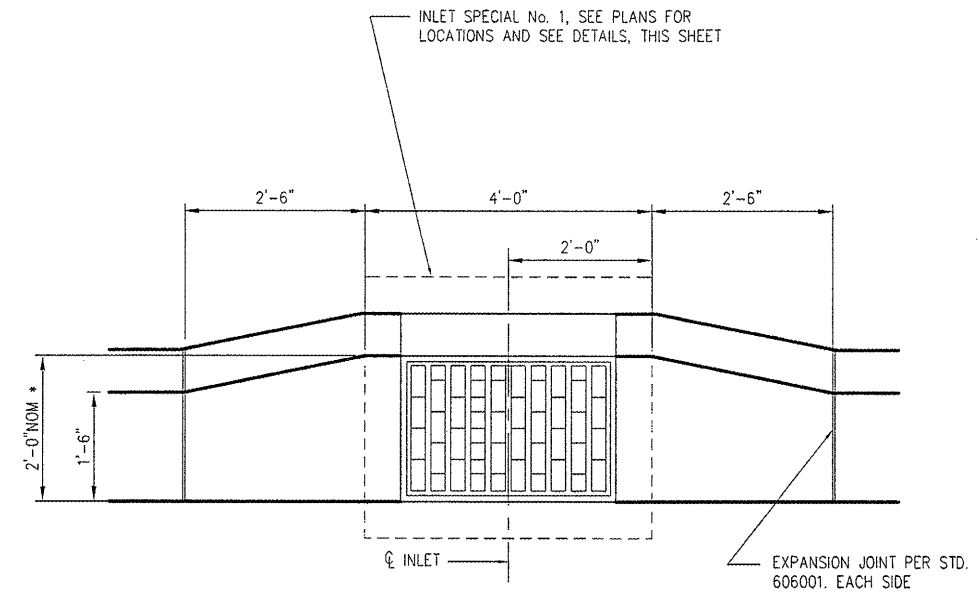
**PC CONCRETE SIDEWALK**  
**TYPICAL SECTION**  
NOT TO SCALE

**PCC SIDEWALK NOTES:**  
PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 424 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE NOTES LISTED HERE.



**SECTION B-B**

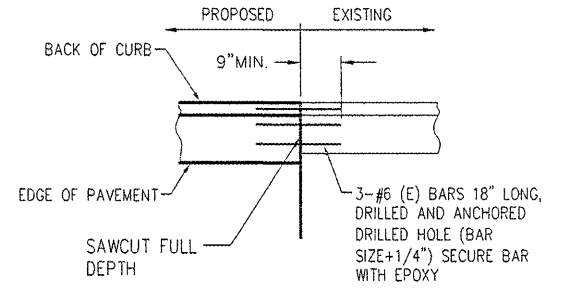
NO.	REVISIONS	DATE



**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 B6.18

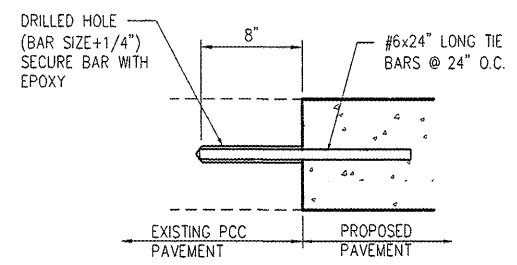
• EXACT DISTANCE OF OFFSET DETERMINED BY FRAME DIMENSION

**CURB TRANSITION TO INLET**



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

**NOTE:**  
 COST OF FURNISHING AND INSTALLING DOWEL BARS TO BE INCLUDED IN THE CONTRACT PRICE FOR COMBINATION CONCRETE CURB AND GUTTER

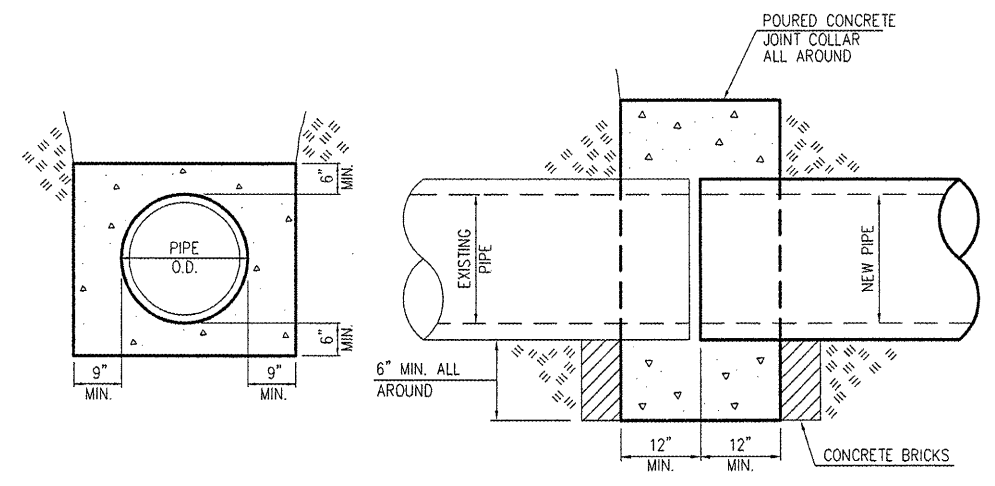


**CONNECTION TO EXISTING PAVEMENT**  
 (TIE BAR GROUTED IN PLACE)

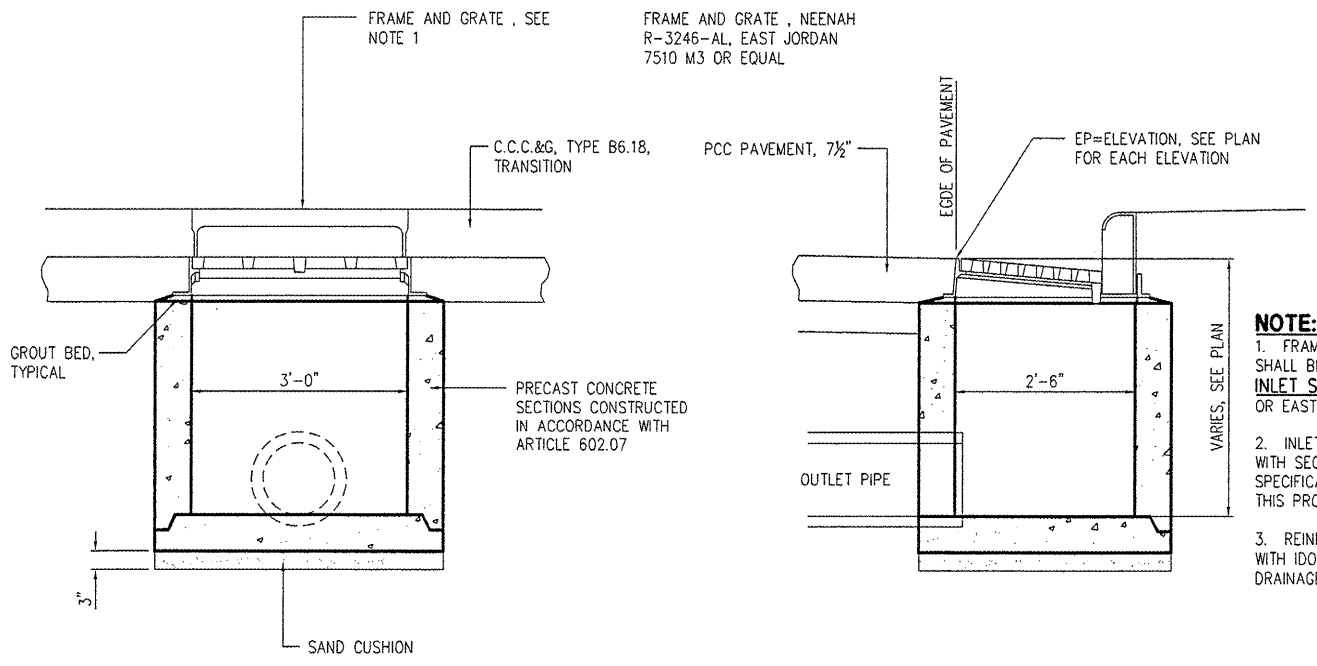
**NOTE:**  
 JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE 420.05 OF THE STANDARD SPECIFICATIONS. COST OF FURNISHING AND INSTALLING DOWEL BARS TO BE INCLUDED IN THE CONTRACT PRICE FOR PCC PAVEMENT, 7½" (JOINTED)

**NOTES**

1. COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 503.
2. PAYMENT FOR CLASS SI CONCRETE COLLARS SHALL BE AT THE CONTRACT UNIT PRICE PER EACH AND SHALL INCLUDE ALL EXCAVATION, LABOR, AND MATERIAL REQUIRED TO CONSTRUCT COLLARS AS DETAILED ON THE PLANS.
3. ESTIMATED QUANTITY OF CLASS SI CONCRETE = 0.30 CU.YDS. PER COLLAR.



**CONCRETE COLLAR DETAIL**



**NOTE:**  
 1. FRAME AND GRATE FOR INLETS SPECIAL No. 1 SHALL BE AS FOLLOWS:  
**INLET SPECIAL No. 1**- NEENAH R-3246-46-AL OR EAST JORDAN 7510 M3 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 DETAIL**

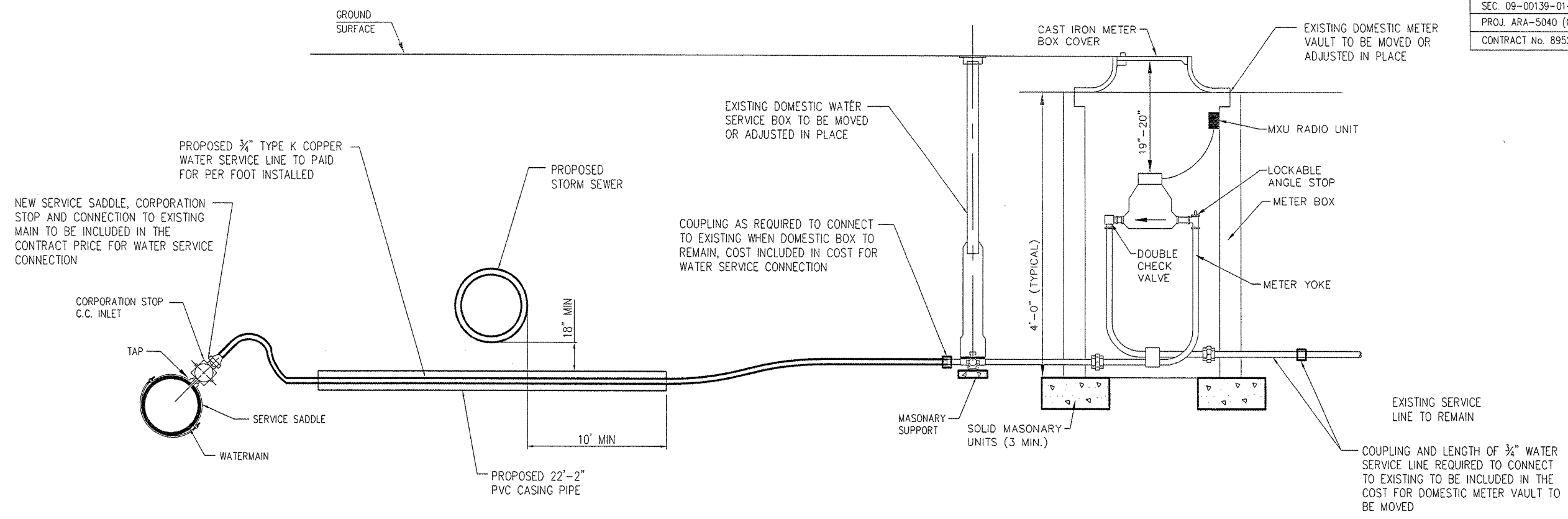
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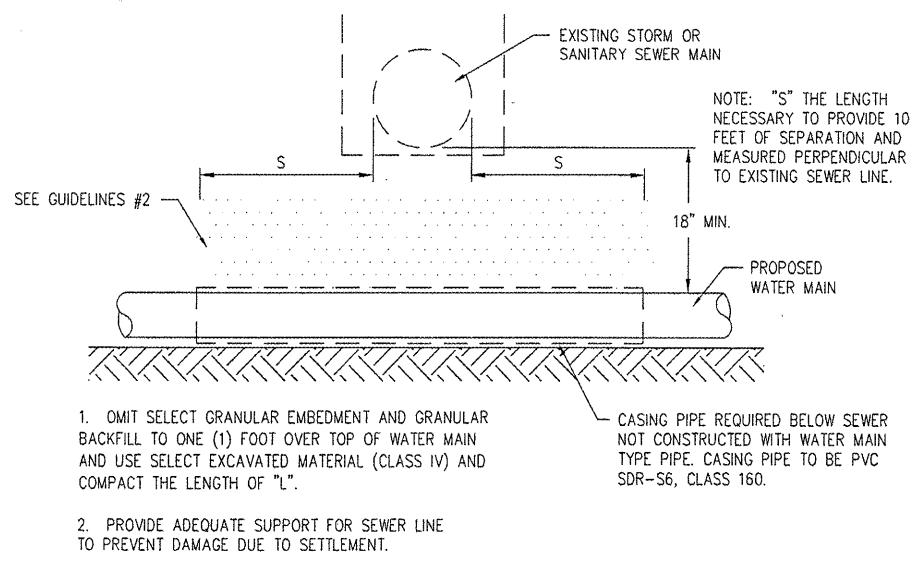
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**TYPICAL WATER MAIN DETAILS**  
 CITY OF MACOMB

SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\ST\PHASE 2\WARD-ST-PH2-TYPSEC.dwg FIELD BOOK No. 2257 JOB NUMBER: 03-28-0098  
 MACOMB, ILLINOIS



**TYPICAL WATER SERVICE ADJUSTMENT DETAIL**

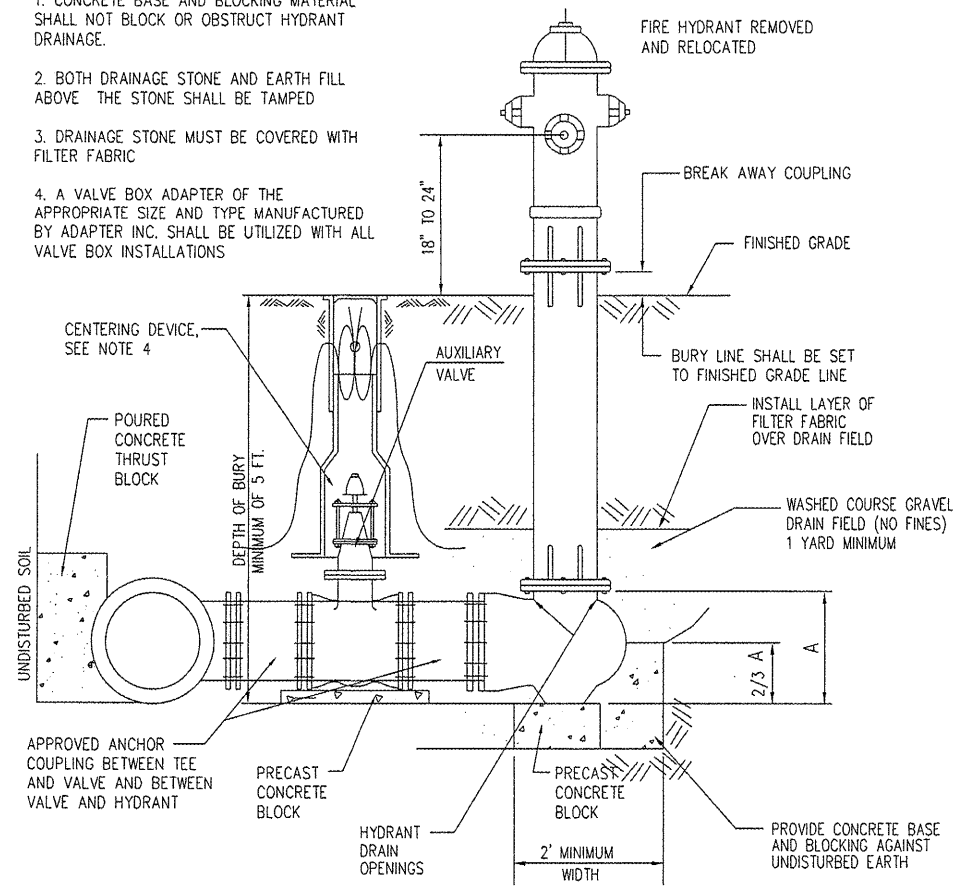


1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. PROVIDE ADEQUATE SUPPORT FOR SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

**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**

I:\PROJECTS\DRAWINGS\MACOMB\WARD ST\PHASE 2\WARD-ST-PH2-TYPSEC.dwg, 3/25/2009 9:54:06 AM



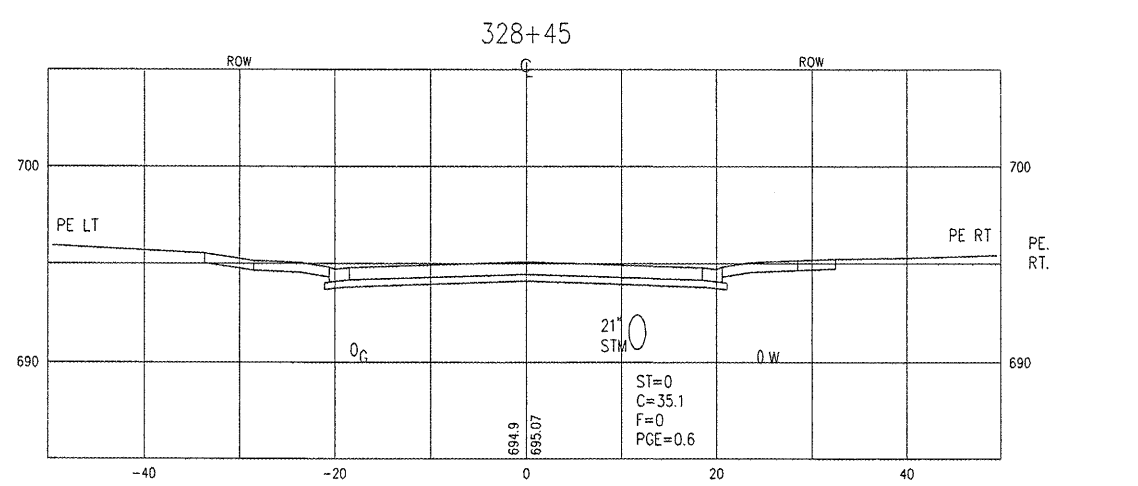
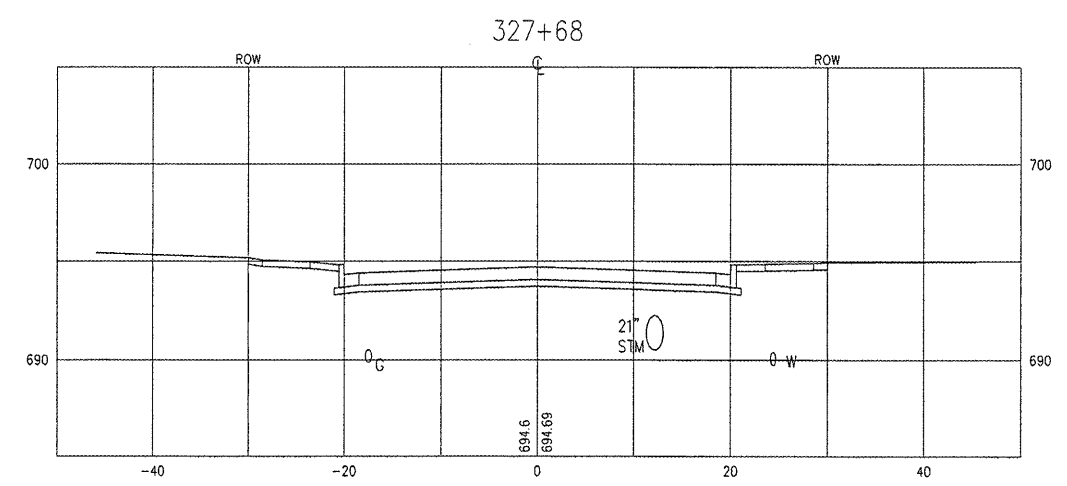
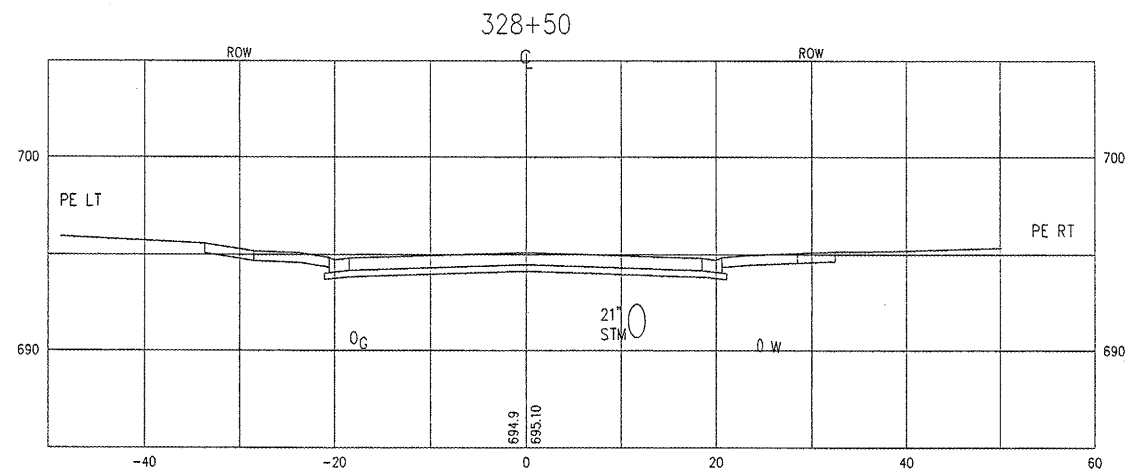
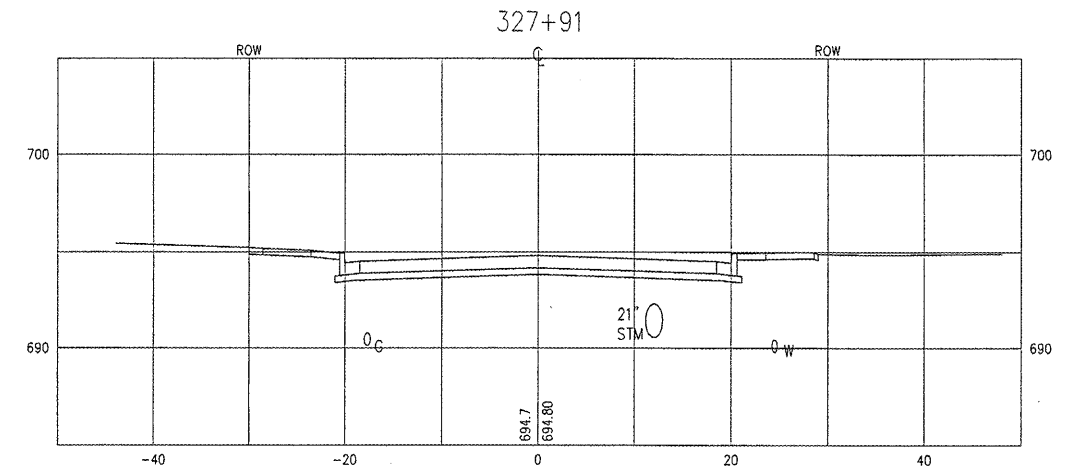
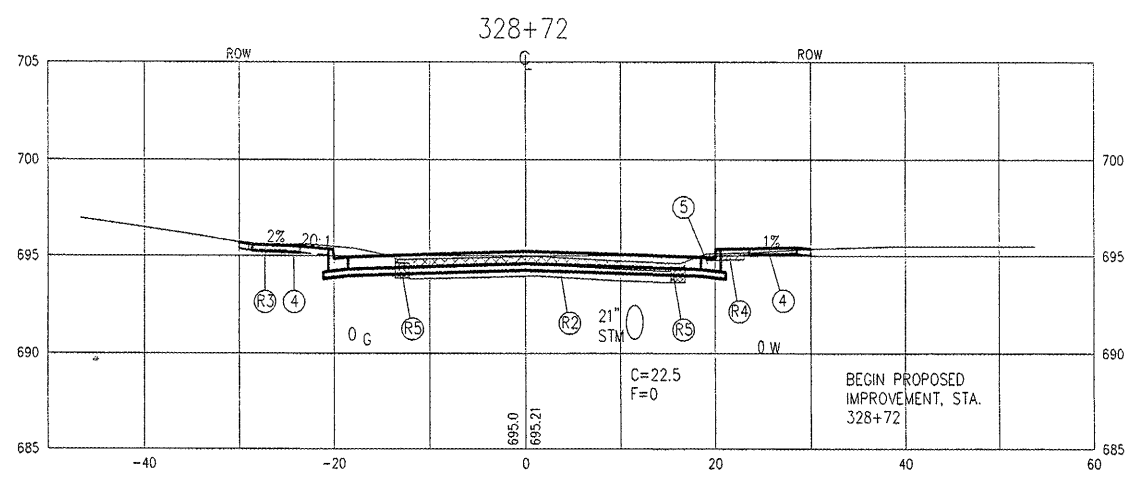
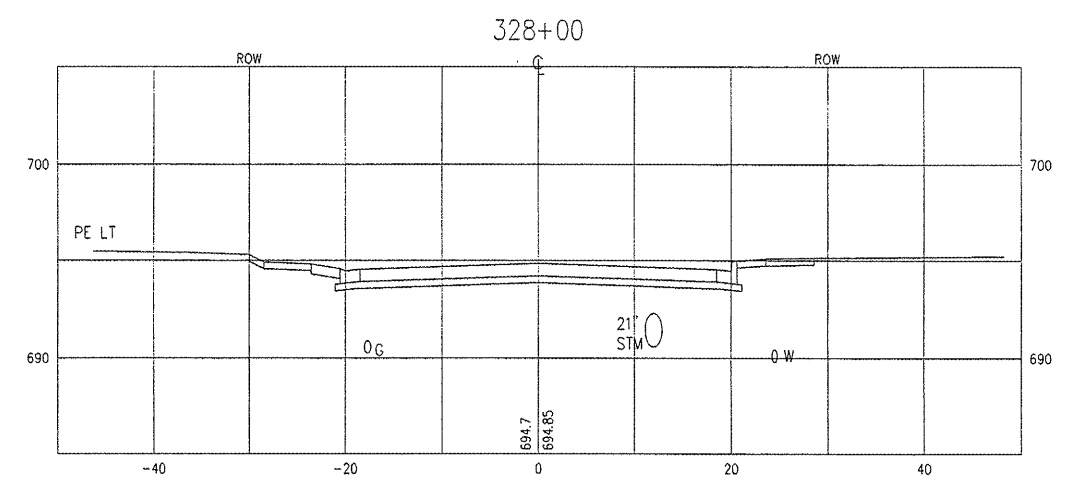




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DATE:	MARCH 2009

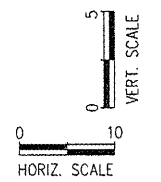
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**CROSS SECTIONS - STA. 327+68 TO 328+72**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\DRAWINGS\PHASE 2\WARD-ST-PH2-XSEC2.dwg FIELD BOOK No. 2257 JOB NUMBER: 03-28-08098



**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 TOPSOIL PLACEMENT, 4"                 | Ⓡ4 CONCRETE SIDEWALK REMOVAL |
|  |   | Ⓡ5 CURB AND GUTTER REMOVAL   |



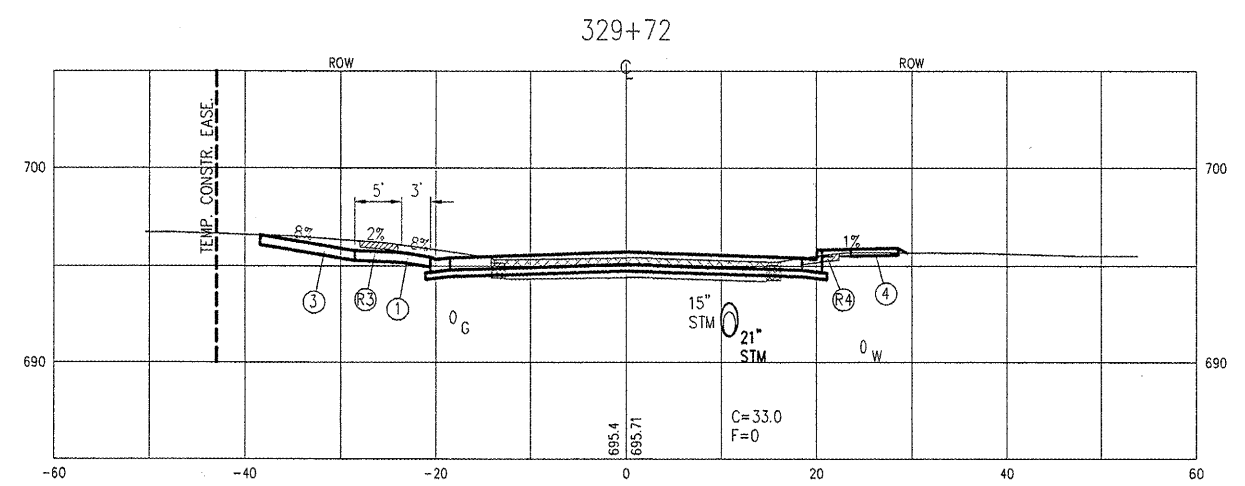
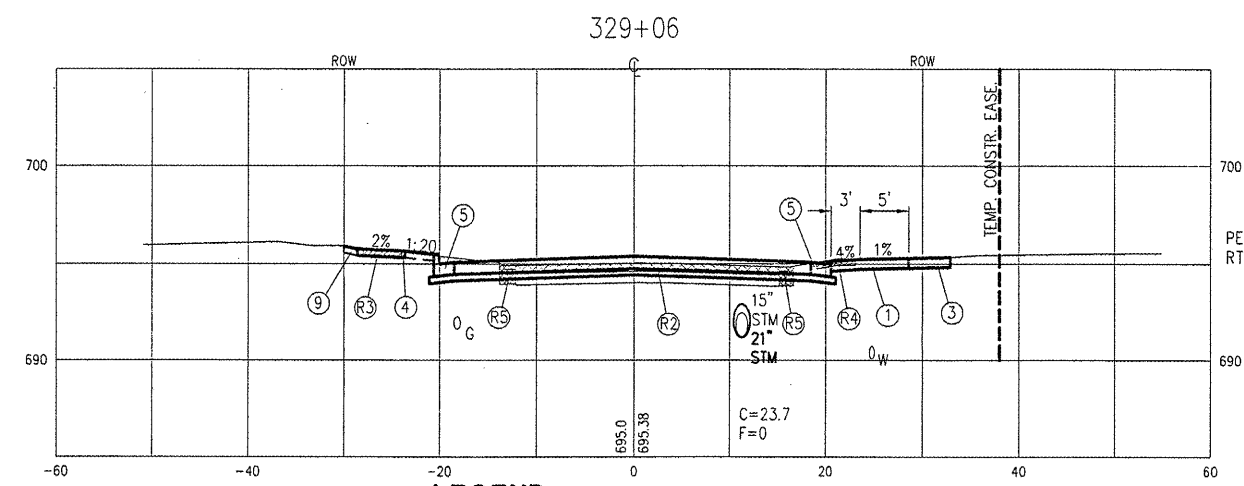
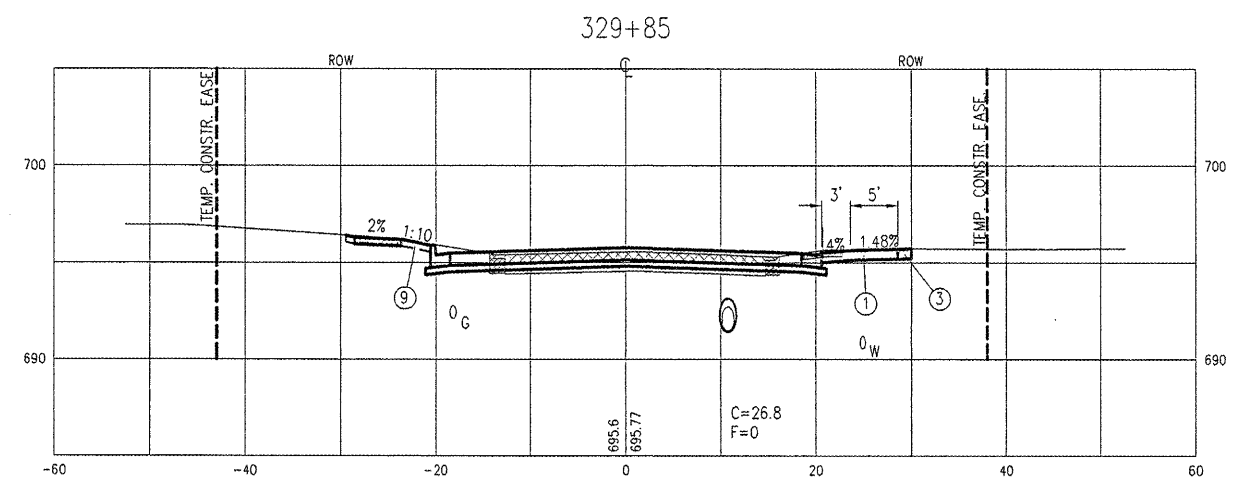
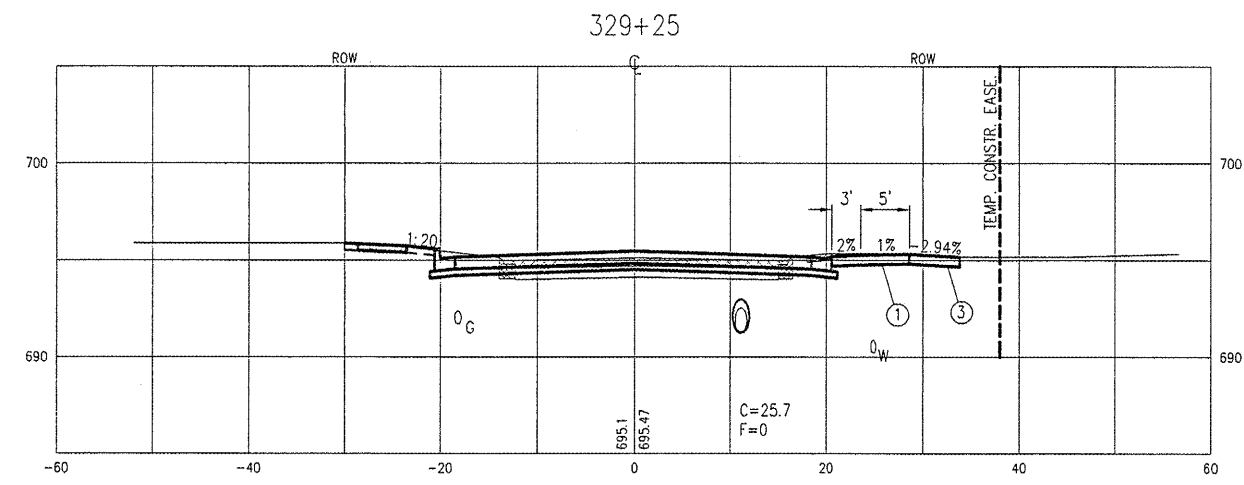
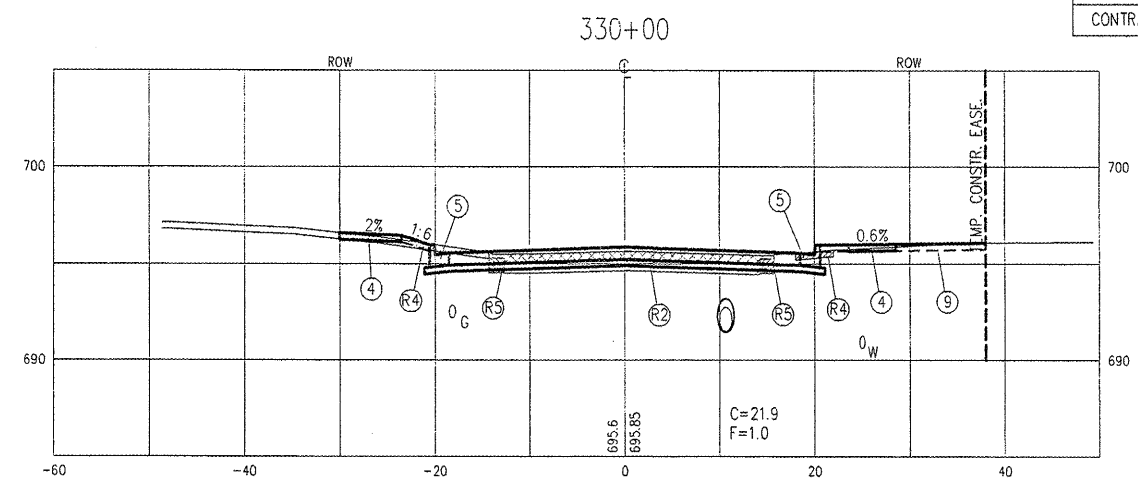
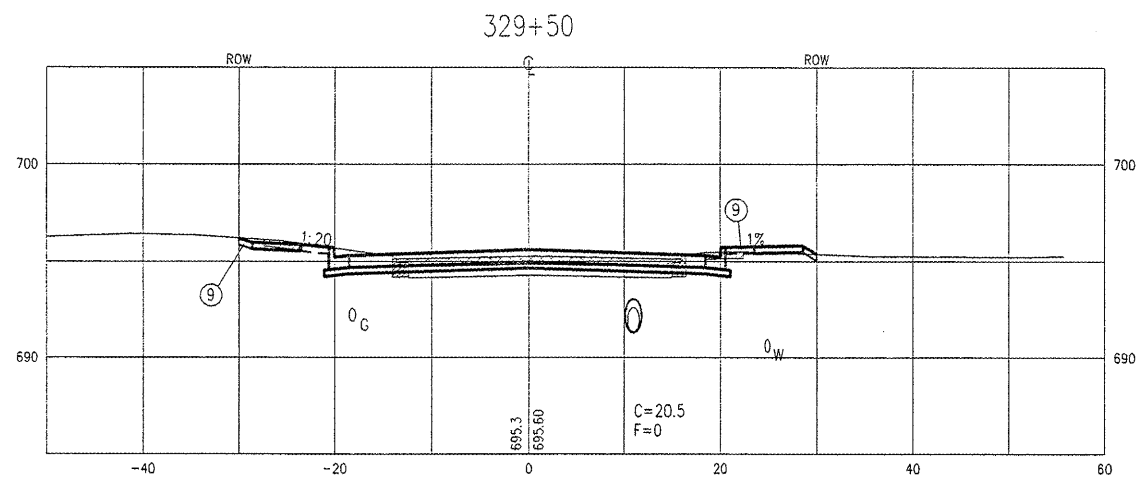
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 DATE: MARCH 2009

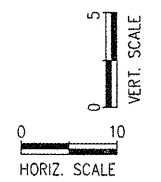
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
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 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\PHASE 2\WARD-ST-PH2-XSEC2.dwg FIELD BOOK No. 2257 JOB NUMBER: 01-29-00098



**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, 8"  | (R3) BRICK SIDEWALK REMOVAL    |
| (4) PCC SIDEWALK, 4"                     | (9) TOPSOIL PLACEMENT, 4"                 | (R4) CONCRETE SIDEWALK REMOVAL |
|  |   | (R5) CURB AND GUTTER REMOVAL   |



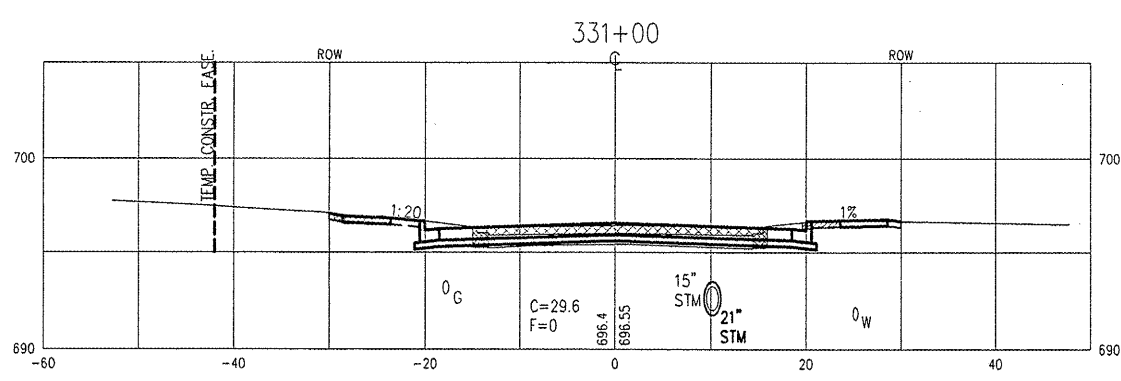
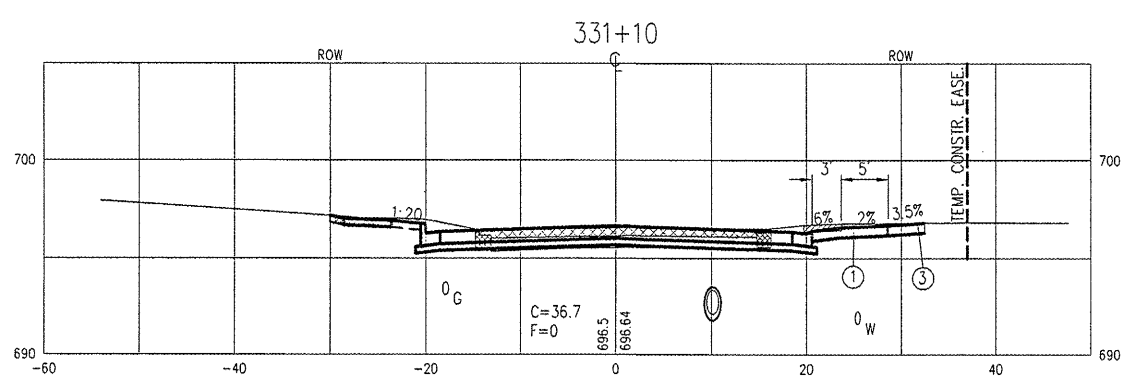
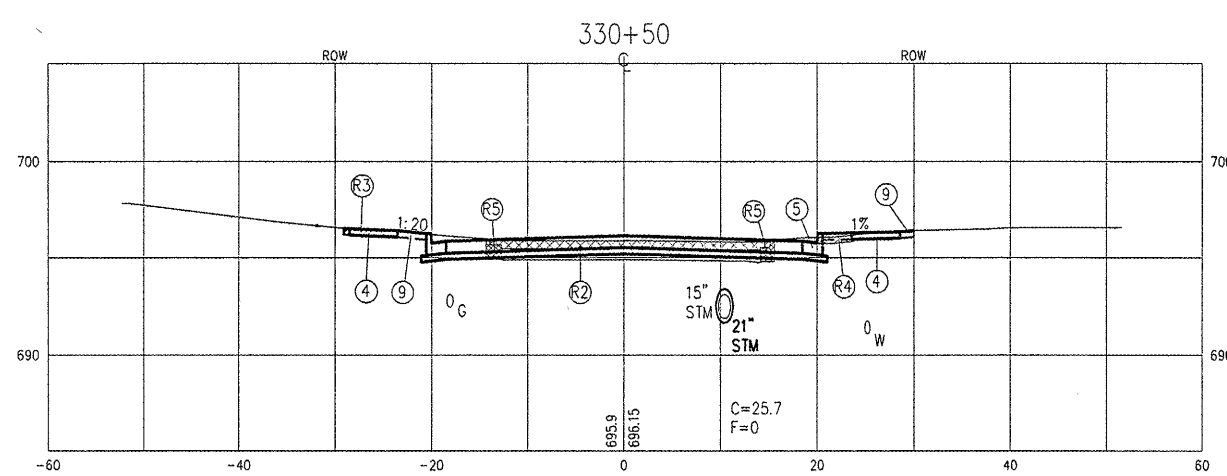
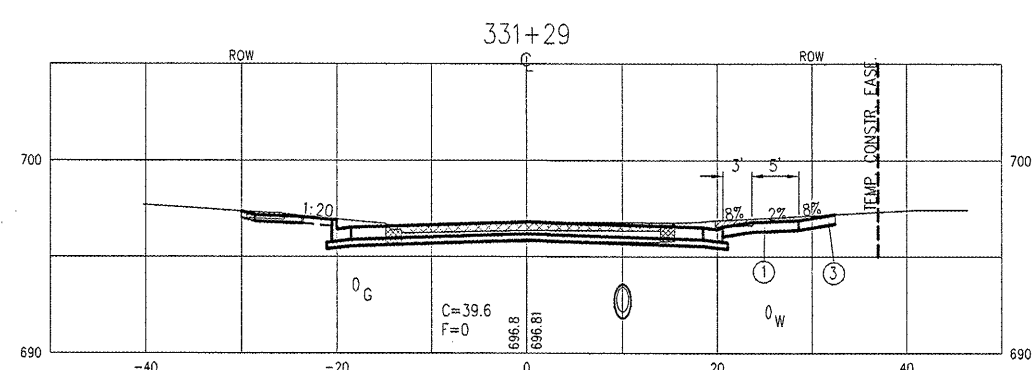
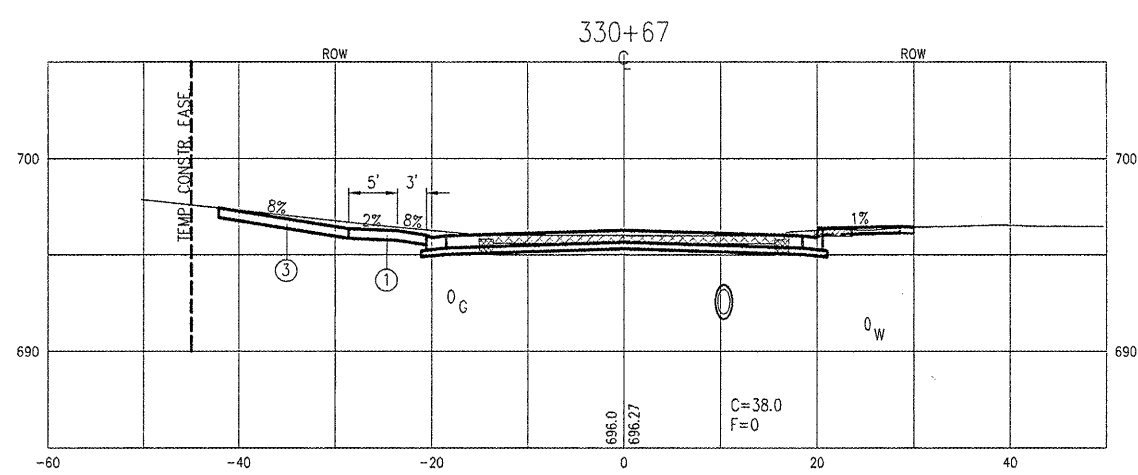
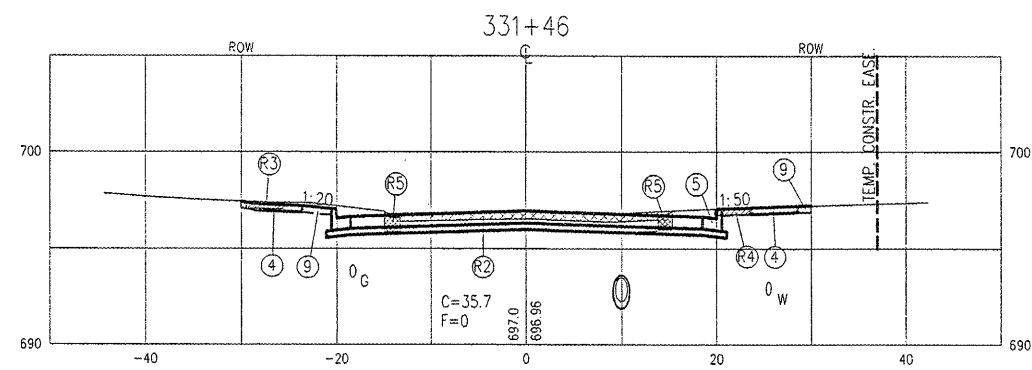
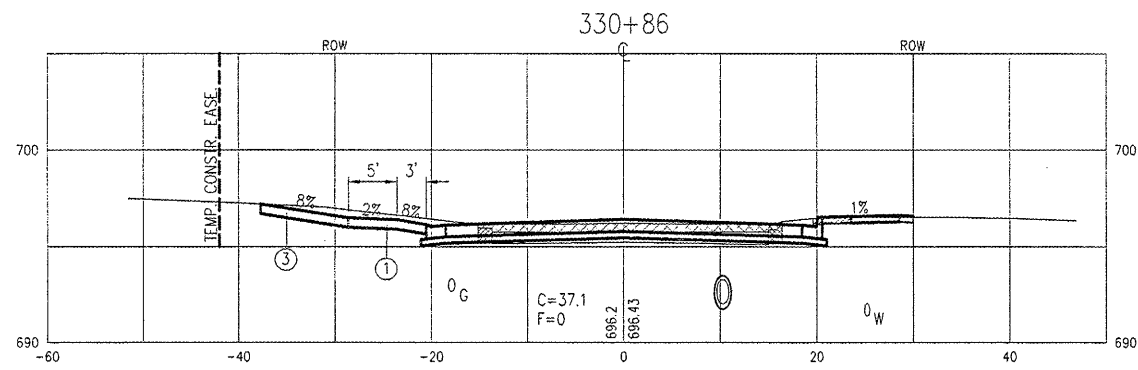
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 CHECKED BY: JAR  
 DATE: MARCH 2009

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**CROSS SECTIONS - STA. 330+50 TO 331+46**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\PHASE 2\WARD-ST-PH2-A-SEC.DWG FIELD BOOK No. 2257 JOB NUMBER: 03-28-09099  
 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" | ⑧ AGGREGATE SURFACE COURSE, TYPE A, 8"  | Ⓡ3 BRICK SIDEWALK REMOVAL    |
| ④ PCC SIDEWALK, 4"                     | ⑨ TOPSOIL PLACEMENT, 4"                 | Ⓡ4 CONCRETE SIDEWALK REMOVAL |
|  |   | Ⓡ5 CURB AND GUTTER REMOVAL   |



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CITY OF MACOMB-WARD STREET  
 SEC. 09-00139-01-PV F.A.U. 6919  
 PROJ. ARA-5040 (010)  
 CONTRACT No. 89527 SHT 29 OF 32

SHEET NO.  
**29**  
 of **32**

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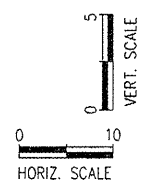
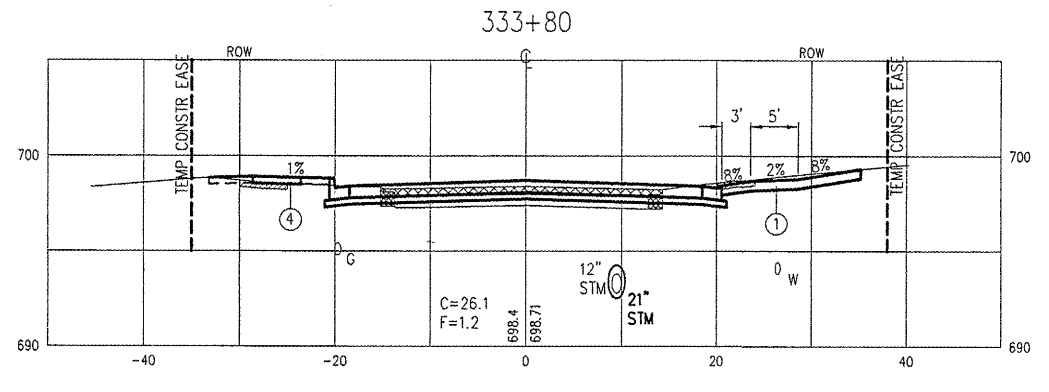
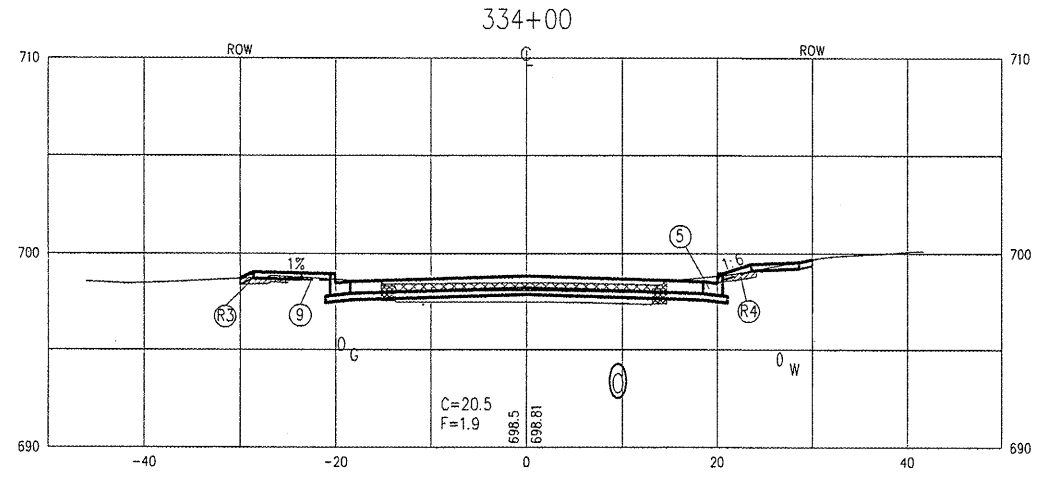
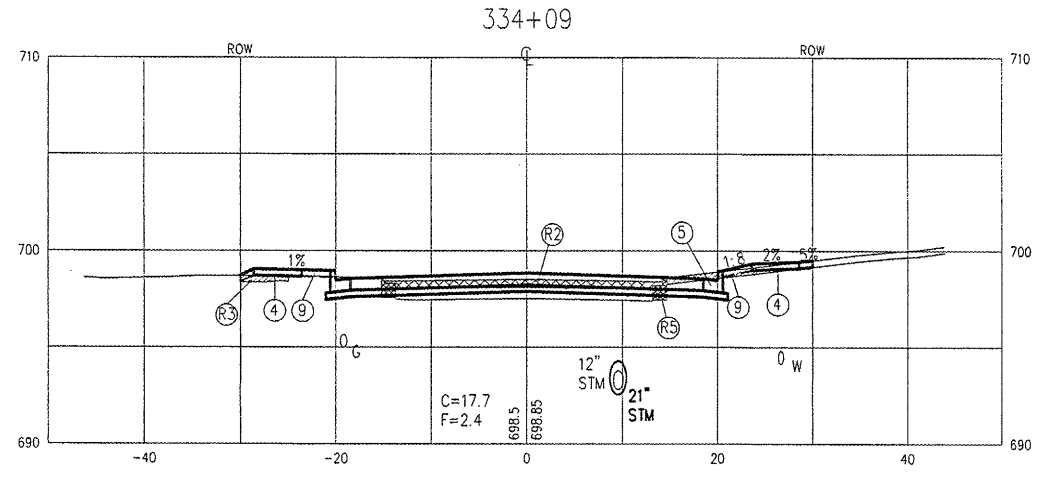
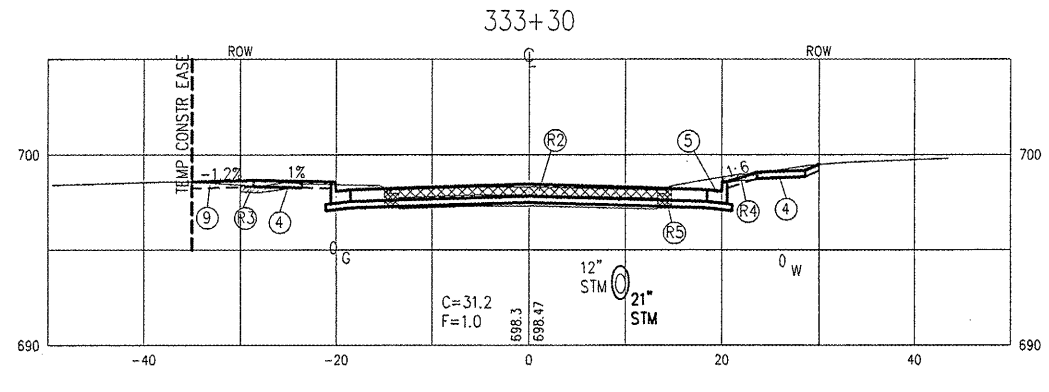
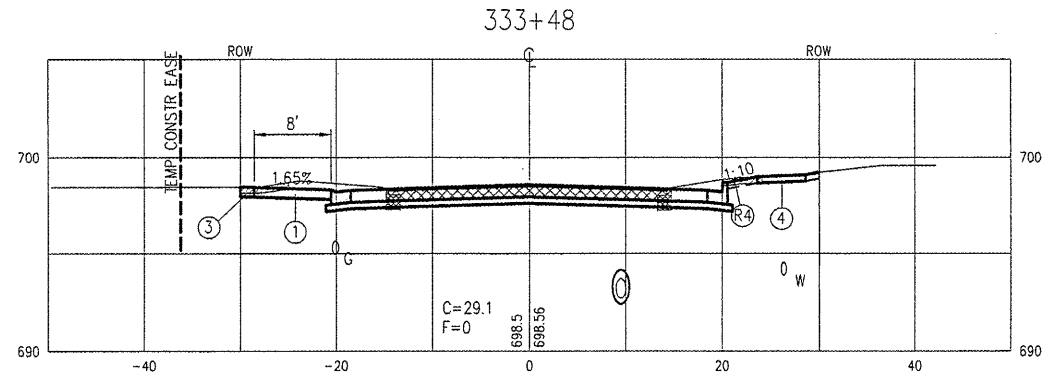
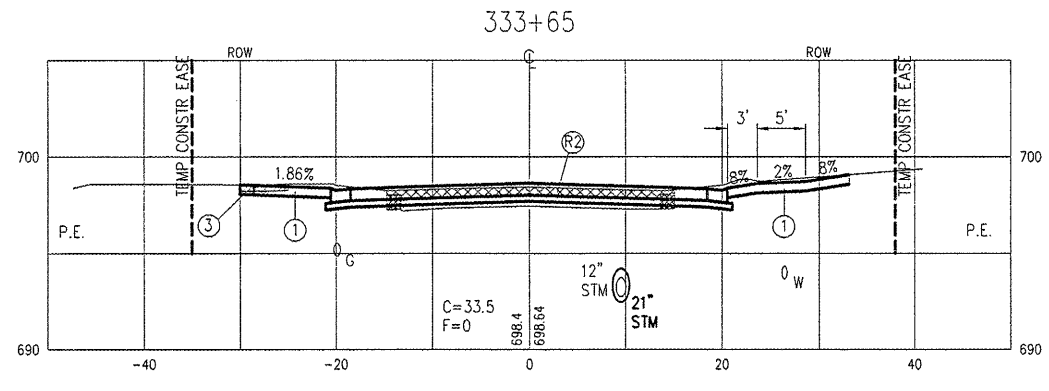
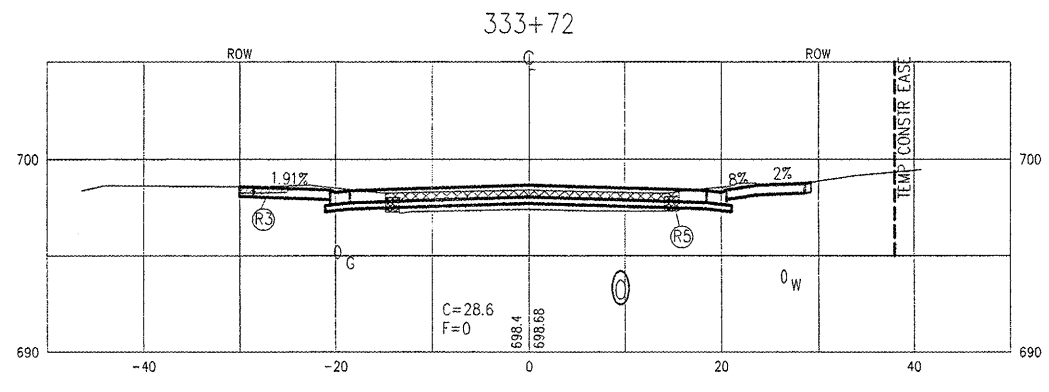
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**WARD STREET IMPROVEMENTS - PHASE 2**  
**CROSS SECTIONS - STA. 333+30 TO 334+09**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WORK\PHASE 2\WARD-ST-PH2-X-SEC2 FIELD BOOK No: 2257 JOB NUMBER: 03-08-00099  
 MACOMB, ILLINOIS

**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 TOPSOIL PLACEMENT, 4"
- Ⓡ1 DRIVEWAY PAVEMENT REMOVAL
- Ⓡ2 PAVEMENT REMOVAL
- Ⓡ3 BRICK SIDEWALK REMOVAL
- Ⓡ4 CONCRETE SIDEWALK REMOVAL
- Ⓡ5 CURB AND GUTTER REMOVAL



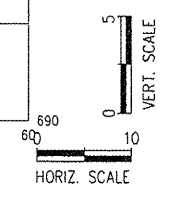
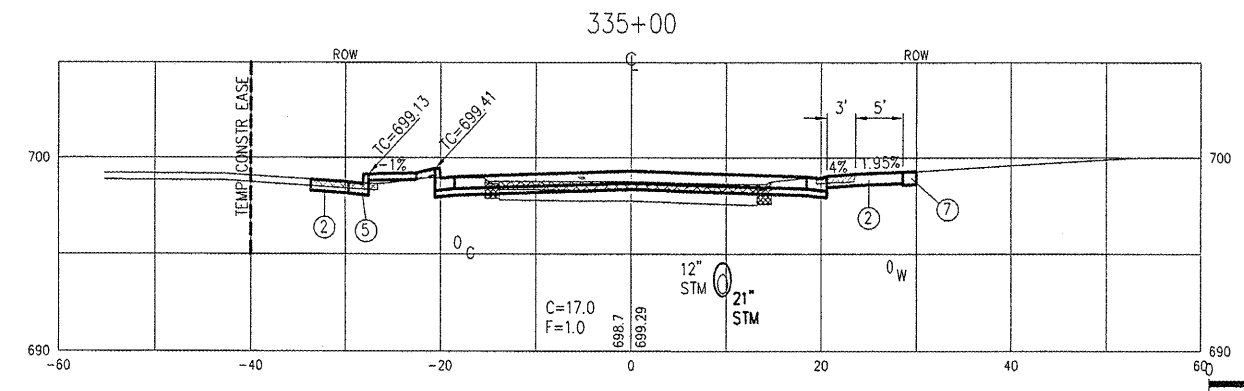
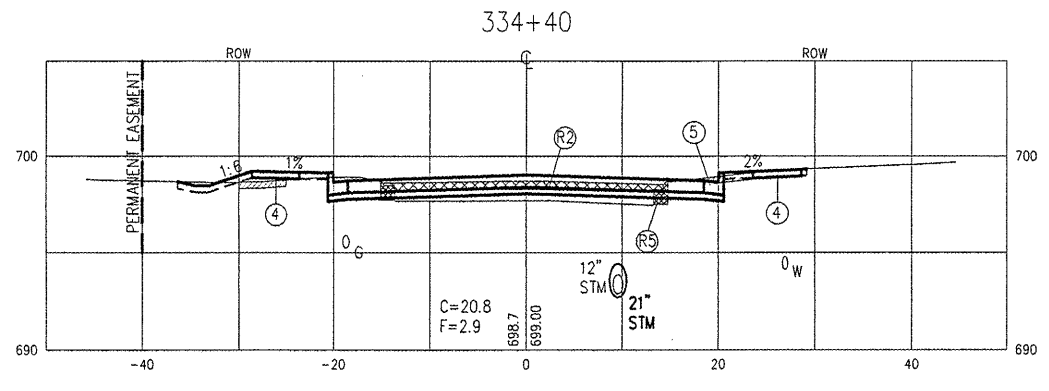
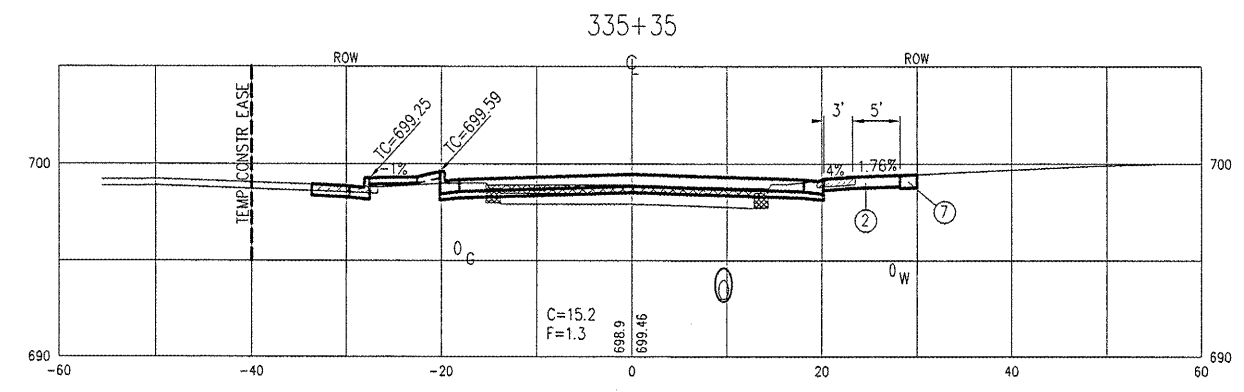
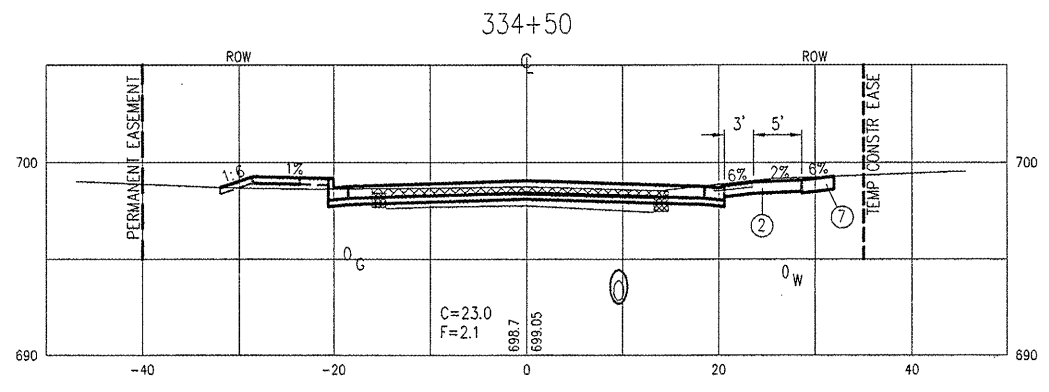
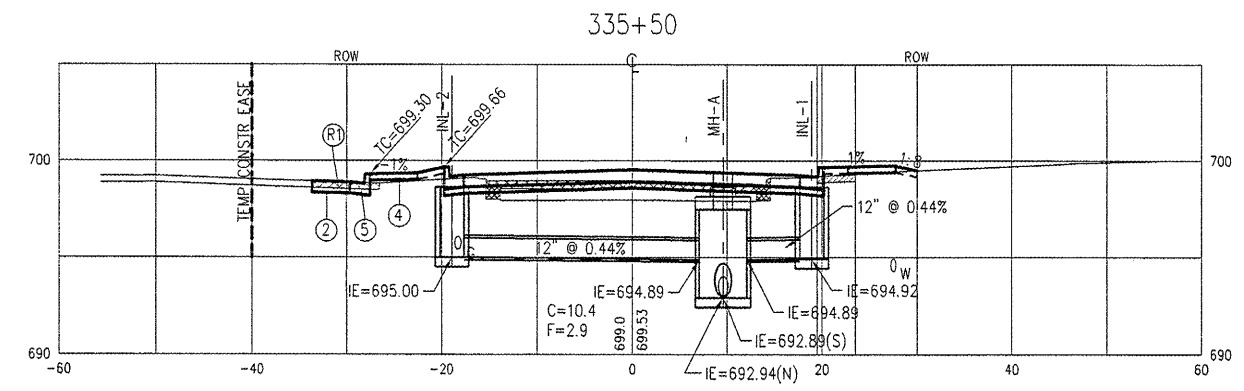
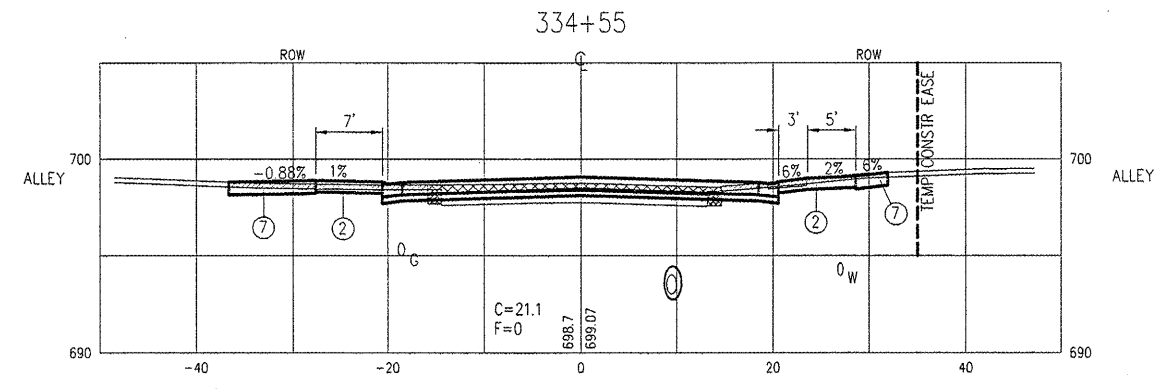
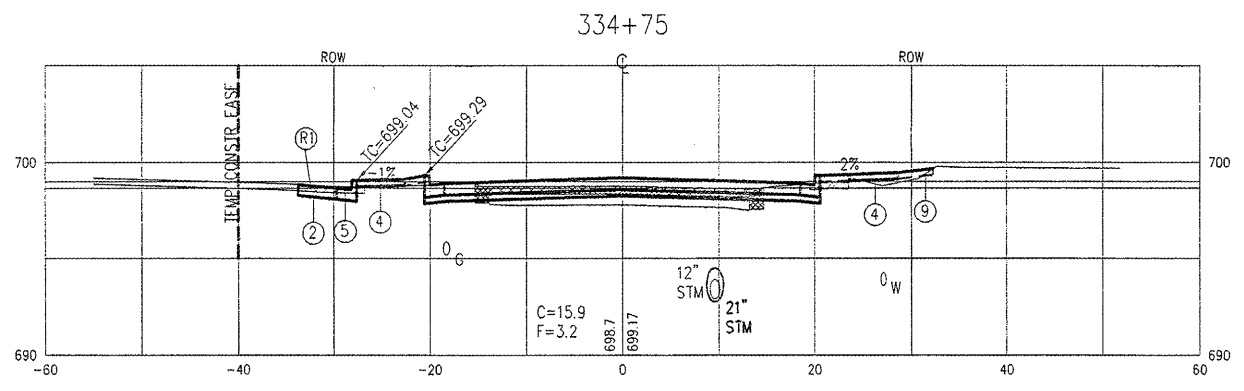
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 DATE: MARCH 2009

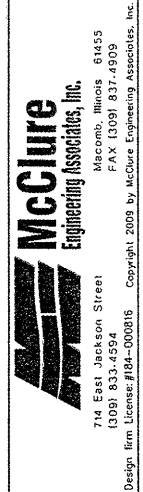
NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**CROSS SECTIONS - STA. 334+40 TO 335+50**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\WARD\PHASE 2\WARD-ST-PH2-X-SEC.DWG FIELD BOOK No. 2257 JOB NUMBER: 01-28-0698  
 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 TOPSOIL PLACEMENT, 4"
  - Ⓡ1 DRIVEWAY PAVEMENT REMOVAL
  - Ⓡ2 PAVEMENT REMOVAL
  - Ⓡ3 BRICK SIDEWALK REMOVAL
  - Ⓡ4 CONCRETE SIDEWALK REMOVAL
  - Ⓡ5 CURB AND GUTTER REMOVAL



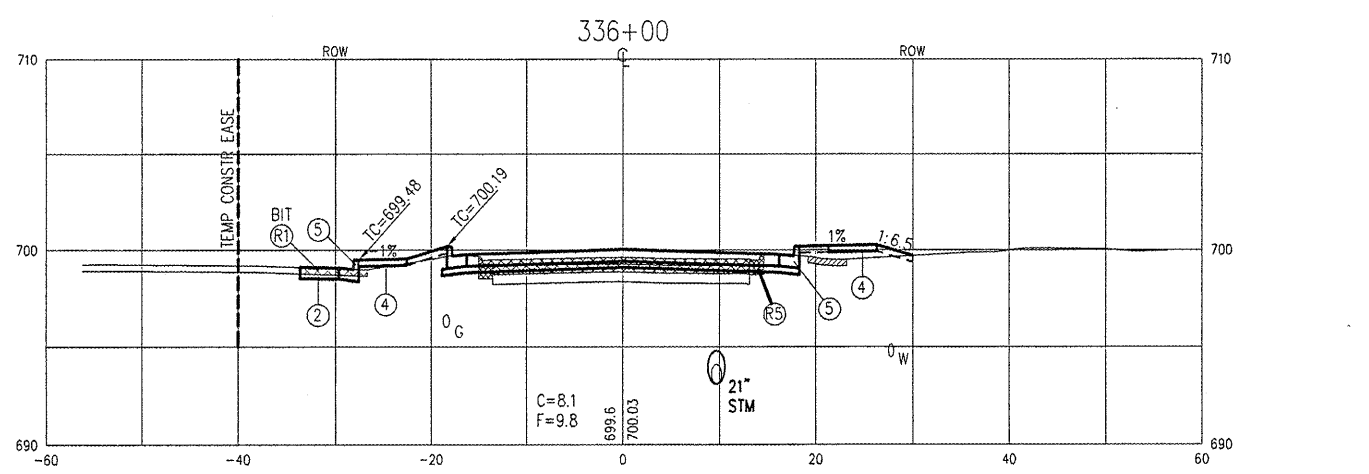
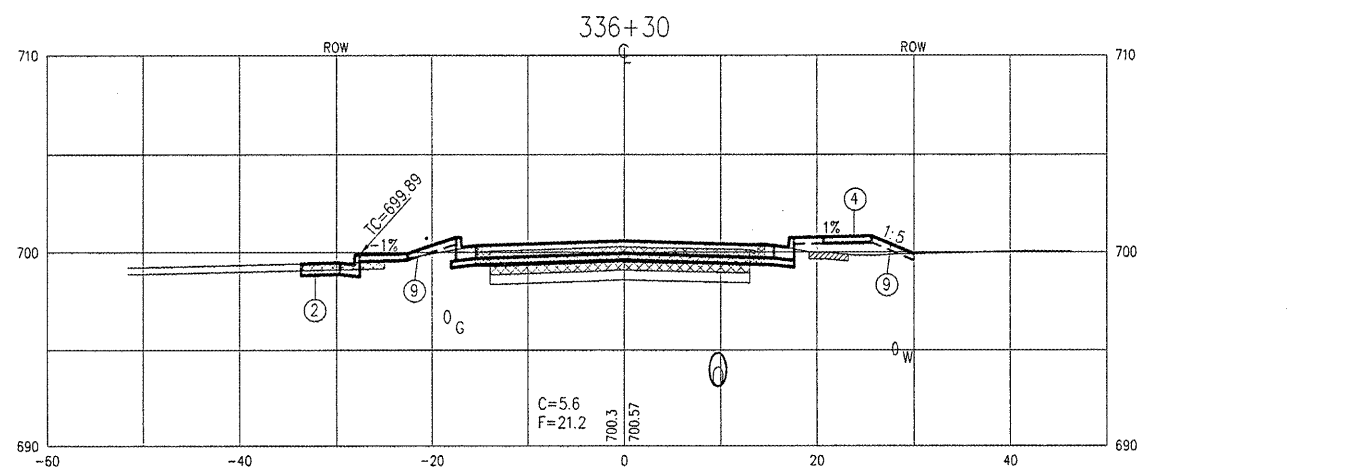
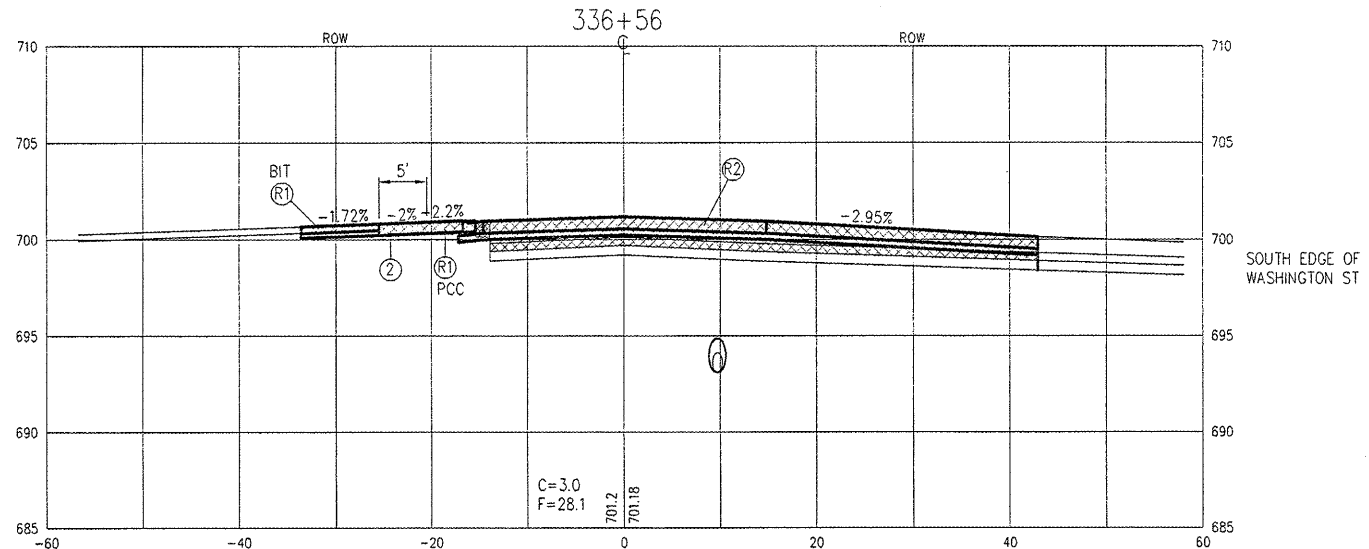
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PLOTTING SCALE:	1" = 10'
DRAWN BY:	TAB
CHECKED BY:	JAR
DATE:	MARCH 2009

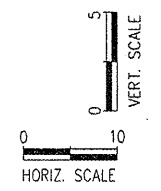
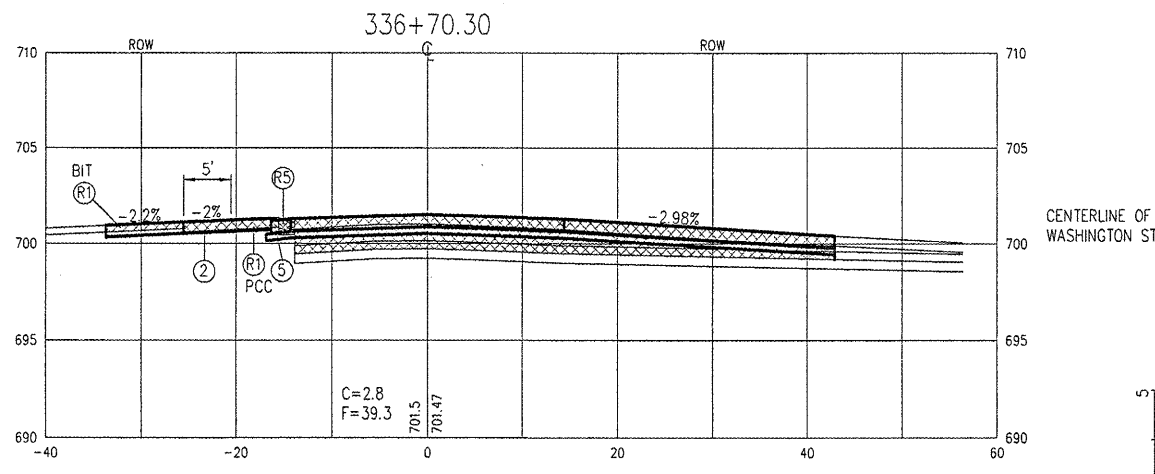
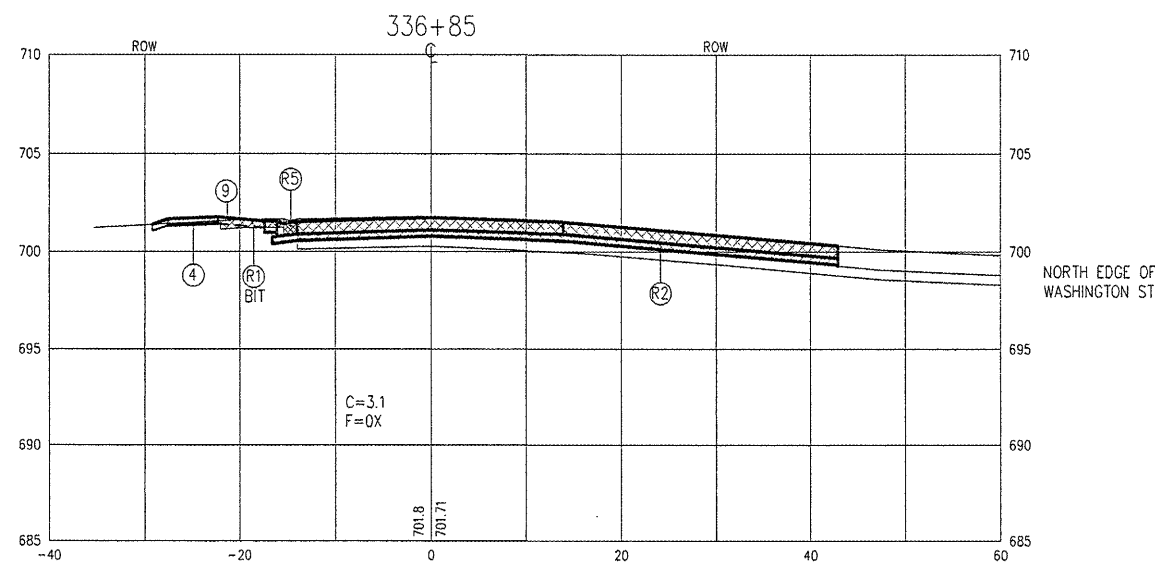
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**CROSS SECTIONS - STA. 336+00 TO 336+85**  
 CITY OF MACOMB  
 SOUTH WARD ST.  
 FILE NAME: \\MACOMB\W8051\PHASE 2\WARD-ST-PH2-A-SEC.DWG FIELD BOOK No. 2257 JOB NUMBER: 03-28-0809F

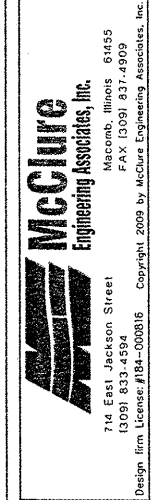


**LEGEND**

- (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) TOPSOIL PLACEMENT, 4"
- (R1) DRIVEWAY PAVEMENT REMOVAL
- (R2) PAVEMENT REMOVAL
- (R3) BRICK SIDEWALK REMOVAL
- (R4) CONCRETE SIDEWALK REMOVAL
- (R5) CURB AND GUTTER REMOVAL



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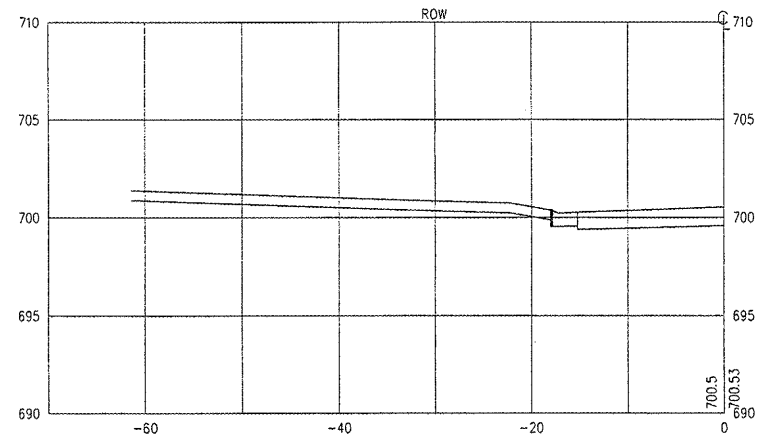


PLOTTING SCALE:	1" = 10'
DRAWN BY:	TAB
CHECKED BY:	JAR
DATE:	MARCH 2009

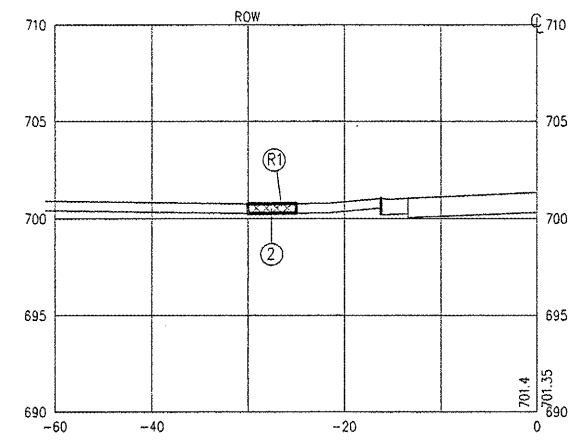
NO.	REVISIONS	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**CROSS SECTIONS - STA. 337+25 TO 338+15**  
**CITY OF MACOMB**  
SOUTH WARD ST.  
FILE NAME: \\MACOMB\WORKST\PHASE 2\WARD-ST-PH2-A-SEC09  
FIELD BOOK No. 2257 JOB NUMBER: 01-28-08/09  
MACOMB, ILLINOIS

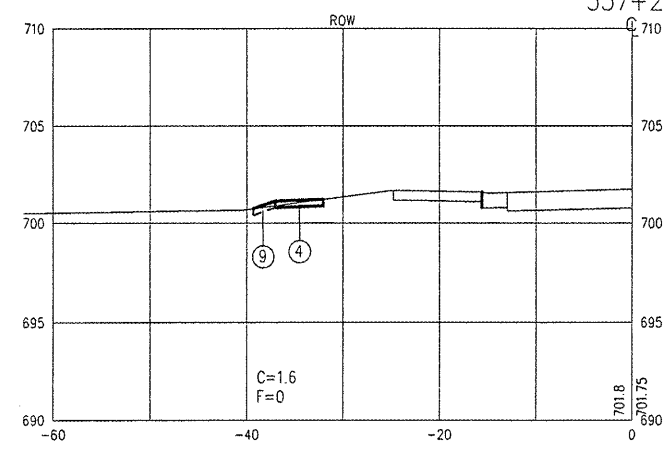
337+83



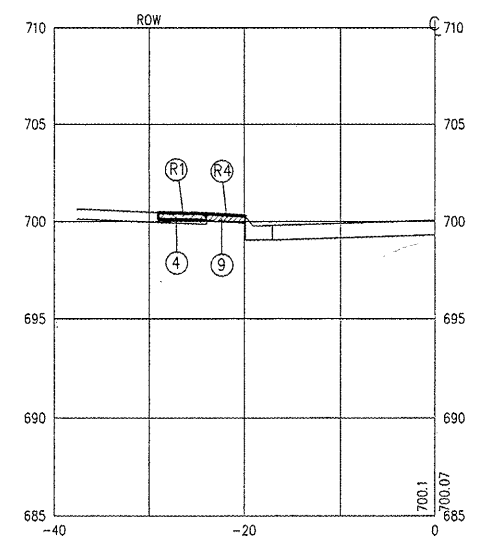
337+50



337+25



338+15



**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, 8"  | (R3) BRICK SIDEWALK REMOVAL    |
| (4) PCC SIDEWALK, 4"                     | (9) TOPSOIL PLACEMENT, 4"                 | (R4) CONCRETE SIDEWALK REMOVAL |
|  |   | (R5) CURB AND GUTTER REMOVAL   |

