

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6883	04-00093-04-RS	FULTON	70	1
6893		ILLINOIS		CONTRACT NO. 89471

- LIST OF STANDARDS**
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 - 001001-02 AREAS OF REINFORCEMENT BARS
 - 001006 DECIMAL OF AN INCH AND OF A FOOT
 - 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 - 424001-08 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
 - 424006-02 DIAGONAL CURB RAMPS FOR SIDEWALKS
 - 542301-03 PRECAST REINFORCED CONCRETE FLARED END
 - 542306-02 PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
 - 542401-01 METAL END SECTION FOR PIPE CULVERTS
 - 602301-04 INLET - TYPE A
 - 602401-03 MANHOLE TYPE A
 - 602411-04 MANHOLE TYPE A 7'(2.1m) DIAMETER
 - 602416-04 MANHOLE TYPE A 8'(2.4m) DIAMETER
 - 602601-03 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
 - 602701-02 MANHOLE STEPS
 - 604001-04 FRAME AND LIDS TYPE 1
 - 604006-05 FRAME AND GRATE TYPE 3
 - 604036-03 GRATE TYPE 8
 - 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 - 666001-01 RIGHT OF WAY MARKERS
 - 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15'
 - 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24' (600 mm) FROM PAVEMENT EDGE
 - 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME
 - 701311-03 LANE CLOSURE, 2L, 2W MOVING
 - 701326-04 LANE CLOSURE, 2L, 2W PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
 - 701501-06 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
 - 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
 - 701901-04 TRAFFIC CONTROL DEVICES
 - 780001-05 TYPICAL PAVEMENT MARKINGS
 - 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
 - B.L.R. 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL
 - B.L.R. 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC)(ROAD CLOSED TO THRU TRAFFIC)

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED LOCAL AGENCY IMPROVEMENT

F.A.U. ROUTE 6883, 6893 (ASH ST & 20TH AVE)
 SECTION 04-00093-04-RS
 PROJECT M-5007(021)
 CITY OF CANTON
 FULTON COUNTY

C-94-070-07

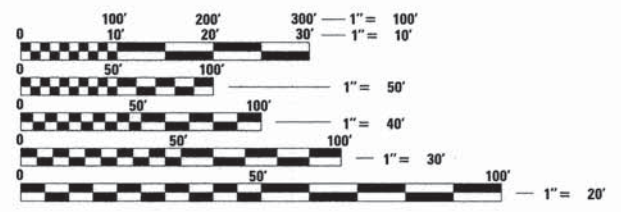


LOCATION OF SECTION INDICATED THUS: - [Symbol] -

PROJECT DESCRIPTION

ASH ST (15TH AVE-SOUTH LEG TO 20TH AVE)
 IMPROVEMENT CONSISTS OF HMA SURFACE REMOVAL AND RESURFACING, PAVEMENT RECONSTRUCTION, INCLUDING MISC REPAIRS AND PAVMENT MARKING.

20TH AVE (CHESTNUT ST TO NORTH OF ASH ST)
 IMPROVEMENT CONSISTS OF DITCHING AND STORM SEWER, HMA SURFACE REMOVAL AND RESURFACING, PAVEMENT WIDENING, AND SHOULDER CONSTRUCTION

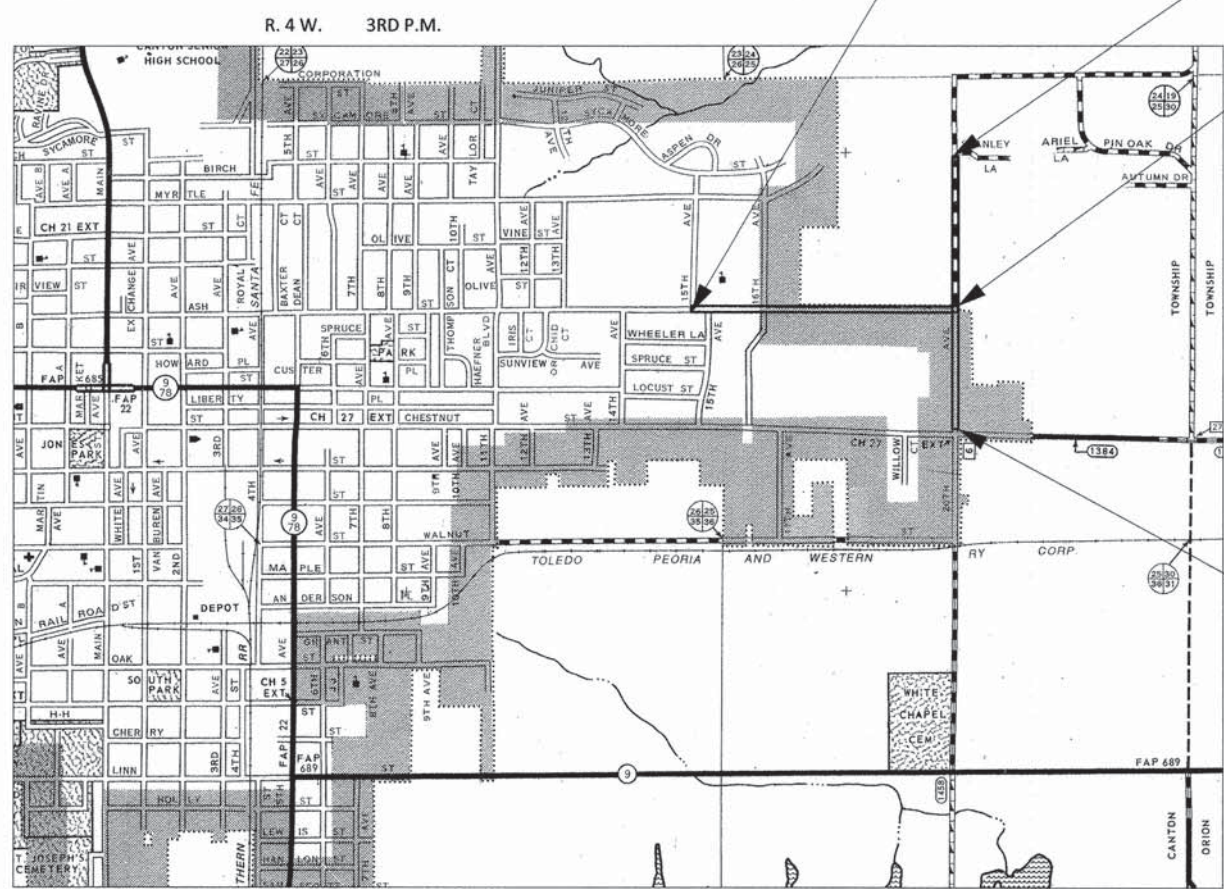


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER GEORGE MERKLE
PROJECT MANAGER RICK ANDERSON
 CATALOG NO. 033513-00
 CONTRACT NO. 89471

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3116 N. DRIES LN, STE. 100
 PEORIA, ILLINOIS 61604
 PH. (309) 693-7615
 FAX (309) 693-7616
 PROFESSIONAL DESIGN FIRM #184-005754



LOCATION MAP
 NOT TO SCALE

ASH ST 2010 ADT - 2450 (15TH - 20TH), 1600 (15TH - 20TH)
 20TH AVE 2010 ADT - 950
 3% SU, 2% MU
 HIGHWAY CLASS: COLLECTOR (URBAN)
 DESIGN SPEED: 30 MPH
 POSTED SPEED: 30 MPH
 DESIGN GUIDELINES: 3R
 GROSS LENGTH = 5677.95 FT. = 1.08 MILE
 NET LENGTH = 5677.95 FT. = 1.08 MILE

ASH STREET IMPROVEMENT BEGINS STA. 68+60.67

20TH AVENUE IMPROVEMENT ENDS STA. 49+42.03

ASH STREET IMPROVEMENT ENDS STA. 98+31.54

20TH AVENUE IMPROVEMENT BEGINS STA. 22+35.00



GEORGE B. MERKLE
 062-042917
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 December 11, 2014
 SIGNED: *George B. Merkle*
 LICENSE EXP. DATE: 11/30/2015

CITY OF CANTON
DEPARTMENT OF PUBLIC WORKS
 DATE OF APPROVAL December 11, 2014
Bill Ten
 DIRECTOR OF PUBLIC WORKS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
 PASSED Dec. 18, 2014
Dan Sabino
 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS
 RELEASED FOR BID BASED ON LIMITED REVIEW DEC 22, 2014
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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GENERAL NOTES

THE CONSTRUCTION SHALL BE GOVERNED BY THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" IN ILLINOIS, CURRENT EDITION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.

ADJUSTMENTS OF PROPOSED GRADES TO MATCH EXISTING ENTRANCES OR OTHER FIELD CONDITIONS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

THE WORK AREA SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION AND TRAFFIC.

WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A FULL DEPTH SAWCUT SHALL BE MADE TO ACHIEVE A CLEAN BREAK BETWEEN THE PROPOSED AND THE EXISTING PAVEMENT. THE SAWCUT IS TO BE INCLUDED IN THE COST OF THE APPLICABLE REMOVAL ITEM.

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN, ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

ELECTRONIC CADD FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE CITY HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES:	4 1/2" BINDER	1 1/2" OR 2" SURFACE COURSE
AC/PG:	POLYMER SBS OR SBR PG 64-28	POLYMER SBS OR SBR PG 64-28
RAP% (MAX)	10%	10%
VOIDS:	4.0% @ N = 50	4.0% @ N = 50
MIXTURE COMP:	IL 9.5	IL 9.5
FRICITION AGG:	N/A	MIX C

NOTES: INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN 3X NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6X NOMINAL MAXIMUM AGGREGATE SIZE.

HOT-MIX ASPHALT	112 LBS/SQ YD/INCH
NITROGEN FERTILIZER NUTRIENTS	90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENTS	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENTS	90 LB/ACRE

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.

SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES. ALL WOOD POST LOCATIONS SHALL BE VERIFIED WITH THE CITY OF CANTON, TRAFFIC SECTION, BEFORE INSTALLATION.

ALL SOILS DATA COLLECTED AND PROCESSED FOR THE SOILS REPORT MADE IN CONJUNCTION WITH THE DESIGN OF THE IMPROVEMENT ARE ON FILE AT THE ENGINEER'S OFFICE 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.

THE CROSS SLOPE OF PROPOSED SIDEWALK IS PREFERRED 1.5%, BUT NOT TO EXCEED 2.0%.

WHEN INSTALLING RIGHT-OF-WAY MARKERS, CARE SHALL BE TAKEN TO NOT DISTURB ANY EXISTING PROPERTY/RIGH-OF-WAY PINS. IF A PROPERTY/RIGHT-OF-WAY PIN FOUND AT THE LOCATION OF A PROPOSED RIGHT-OF-WAY MARKER, THE MARKER SHALL BE PLACED ONE (1) FOOT IN FRONT OF THE PIN.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM
1. ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

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.

AGGREGATE FOR DRIVEWAY REPLACEMENT
THE MATERIAL USED FOR CONSTRUCTION OF PERMANENT AGGREGATE DRIVEWAYS SHALL BE GRAVEL OR CRUSHED STONE, AS DIRECTED BY THE ENGINEER, TO REPLACE IN KIND THE EXISTING AGGREGATE DRIVEWAYS. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS REQUIREMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PAY ITEM FOR THE AGGREGATE AS SPECIFIED ON THE PLANS.

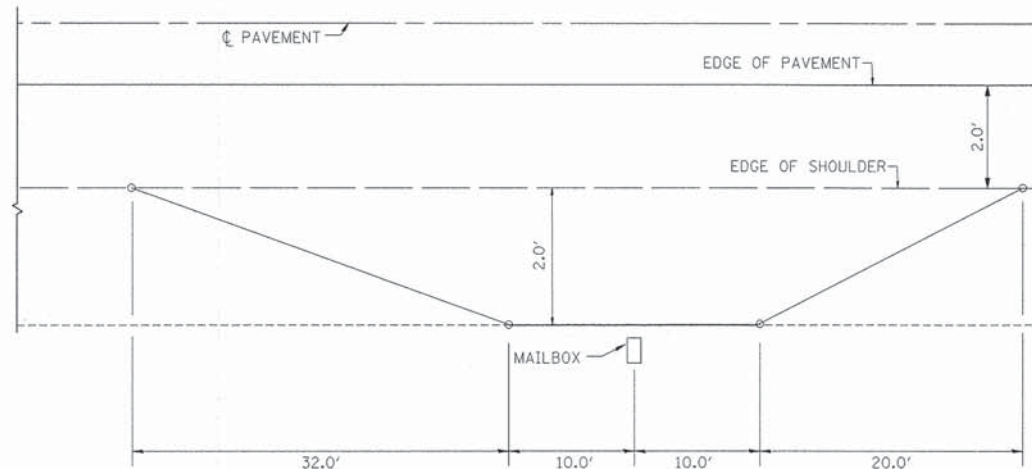
COMMITMENTS
TREES WILL BE REMOVED FROM TEMPORARY EASEMENT AT STATION 23+55 LT AND STATION 23+90 LT.

THE PROPOSED DRIVEWAY APPROACHES ON 20TH AVENUE WILL TIE INTO EXISTING DRIVEWAYS AND NOT LEAVE A GAP.

FOUR (4) TREES GREATER THAN 6 INCHES DBH REMOVED WITHIN HULIT PARK WITH MITIGATION BEING 1:1 RPM TREES (WITH EARTH MATS, FERTILIZER, AND TREE GUARDS) PLANTED AT A TO-BE-SELECTED AREA BY THE CANTON PARK DISTRICT WITHIN CANTON JFL HULIT PARK.

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

VARIANCES
THE SHOULDER WIDTH ON 20TH AVENUE WILL BE 2 FT TO REDUCE IMPACTS TO ADJACENT RESIDENTIAL PROPERTIES AND TO ENSURE THE PROPOSED DITCHES REMAIN ON THE EXISTING RIGHT-OF-WAY. (APPROVED 12-5-2014)



MAILBOX TURNOUT
TYPICAL APPLICATION

REVISIONS	No.	Date	Description

MAURER-STUTZ
ENGINEERS SURVEYORS

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ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-003784
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INDEX OF SHEETS
GENERAL NOTES

ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL

Project: CONTRACT NO. 89471

Designed By: JDS
Drawn By: WLL
Reviewed By:

Date: 20 October 2014
Project No.: 24714003
Drawing:

2 OF 70

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SUMMARY OF QUANTITIES					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	100% LOCAL
				0004	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	44	44	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	40	40	
20200100	EARTH EXCAVATION	CU YD	8380	8380	
20800150	TRENCH BACKFILL	CU YD	26	26	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3803	3803	
21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	320	320	
Δ 25000110	SEEDING, CLASS 1A	ACRE	8.75	8.75	
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	788	788	
Δ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	788	788	
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	788	788	
Δ 25100115	MULCH, METHOD 2	ACRE	8.75	8.75	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	3409	3409	
28000305	TEMPORARY DITCH CHECKS	FOOT	730	730	
28000400	PERIMETER EROSION BARRIER	FOOT	3135	3135	
28000500	INLET AND PIPE PROTECTION	EACH	21	21	
28100107	STONE RIPRAP, CLASS A4	SQ YD	22	22	
28200200	FILTER FABRIC	SQ YD	22	22	
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	6344	6344	
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	20	20	
40200700	AGGREGATE SURFACE COURSE, TYPE A 8"	SQ YD	520	520	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	183	183	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	17708	17708	
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	7247	7247	
40600825	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50	TON	152	152	

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	100% LOCAL
				0004	
40600990	TEMPORARY RAMP	SQ YD	192	192	
40603210	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE IL-9.5, N50	TON	2886	2886	
40603510	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1399	1399	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	398	398	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	158	158	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	10794	10794	
42400800	DETECTABLE WARNINGS	SQ FT	40	40	
44000100	PAVEMENT REMOVAL	SQ YD	25	25	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	6634	6634	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	596	596	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	49	49	
44000600	SIDEWALK REMOVAL	SQ FT	633	633	
44200094	PAVEMENT PATCHING, TYPE II, 8 INCH	SQ YD	33	33	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	676	676	
50105220	PIPE CULVERT REMOVAL	FOOT	423	423	
50800105	REINFORCEMENT BARS	POUND	24	24	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	14	14	
54213867	STEEL END SECTIONS 12"	EACH	24	24	
54213873	STEEL END SECTIONS 18"	EACH	2	2	
54214533	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 48"	EACH	1	1	
54248510	CONCRETE COLLAR	CU YD	0.4	0.4	
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	234	234	
542C0217	PIPE CULVERTS, CLASS C, TYPE 1 12"	FOOT	298	298	

Δ SPECIALTY ITEMS

REVISIONS	
No.	Date / Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
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SUMMARY OF QUANTITIES
 ASH STREET IMPROVEMENTS-PHASE IV AND
 20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
 Project: ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION
 Contract No. 88471
 Designed By: JDS
 Drawn By: WLL
 Reviewed By: _____
 Date: 20 October 2014
 Project No.: 24714003
 Drawing: _____

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SUMMARY OF QUANTITIES					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	100% LOCAL
				0004	
542C0223	PIPE CULVERTS, CLASS C, TYPE 1 18"	FOOT	48	48	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	193	193	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	21	21	
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	57	57	
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	816	816	
550A4700	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	265	265	
550A4710	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48"	FOOT	231	231	
Δ 56109210	WATER VALVES TO BE ADJUSTED	EACH	2	2	
Δ 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	1	1	
Δ 56400510	FIRE HYDRANTS TO BE REMOVED AND REPLACED	EACH	2	2	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	1	
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5	
60500040	REMOVING MANHOLES	EACH	1	1	
60500060	REMOVING INLETS	EACH	1	1	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	164	164	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	23	23	
67100100	MOBILIZATION	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1001	1001	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	151	151	
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8800	8800	
Δ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	338	338	

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	100% LOCAL
				0004	
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	105	105	
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	36	36	
Δ A2064R10	TREE-QUERCUS ALBA (WHITE OAK), 3-GALLON (ROOT PRODUCTION METHOD) SPECIAL	EACH	7	7	
X0326748	CLEAN-OUT MANHOLE	EACH	4		4
X2800520	ABOVE GRADE INLET FILTERS	EACH	11	11	
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	101		101
Δ X5610748	WATER MAIN LINE STOP 8"	EACH	2	2	
X6020296	MANHOLES, TYPE A, 8'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1	
X6022230	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1	
X6022930	MANHOLES, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	2	2	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
XX000061	STUMP REMOVAL	EACH	1	1	
Z0004522	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"	SQ YD	14	14	
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	180	180	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Δ Z0077700	WOOD FENCE TO BE REMOVED AND RE-ERECTED	FOOT	36	36	

Δ SPECIALTY ITEMS

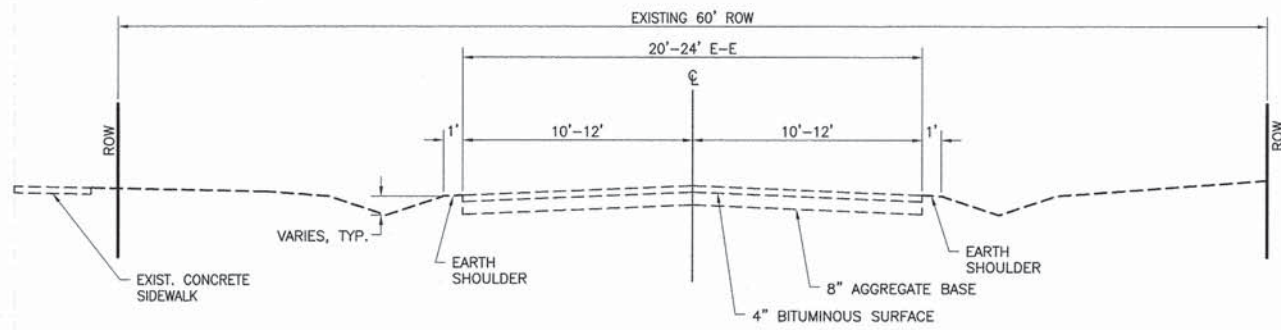
REVISIONS	
No.	Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3118 N. DREXEL AVE. SUITE 100 | FORT LAUDERDALE, FL 33309 | TEL: (954) 477-1111 | FAX: (954) 477-1112
 2870 EAST 14TH STREET | CAIRO, ILLINOIS 61830 | TEL: (618) 497-7811 | FAX: (618) 497-7812
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #318-009794
 "WORKING WITH YOU BY DESIGN"

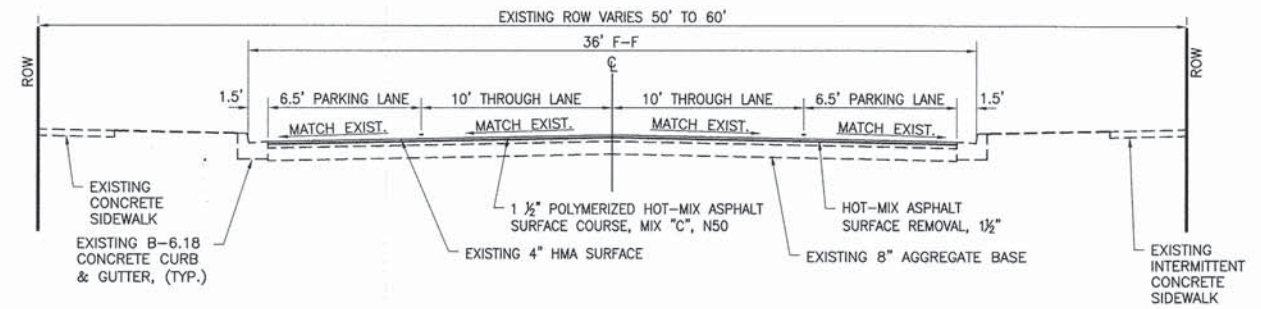
SUMMARY OF QUANTITIES
 ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
 Contract No. 89471
 Designed By: JDS
 Drawn By: WLL
 Reviewed By:
 Date: 20 October 2014
 Project No.: 24714003
 Drawing:
 4 OF 70

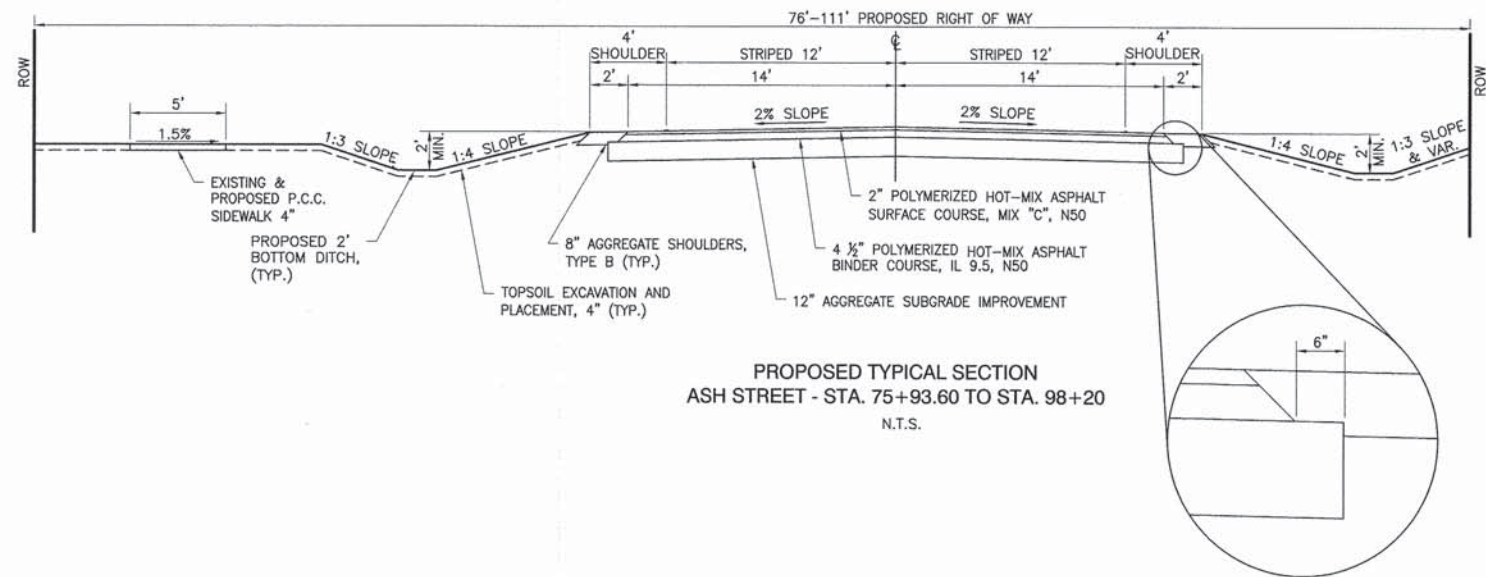
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EXISTING TYPICAL SECTION
ASH STREET - STA. 75+93.60 TO STA. 98+20
N.T.S.



PROPOSED TYPICAL SECTION
ASH STREET - STA. 68+60.67 TO STA. 75+93.60
N.T.S.



PROPOSED TYPICAL SECTION
ASH STREET - STA. 75+93.60 TO STA. 98+20
N.T.S.

NO.	DATE	DESCRIPTION	BY	CHKD.
1	03/07/14	Per Review		

MAURER-STUTZ
ENGINEERS SURVEYORS
3115 N. BIRCH LANE, SUITE 100 | FORTLAKE, ILLINOIS 61004 | 815.457.4331 | FAX 815.457.4332
PH. 815.457.4331 | FAX 815.457.4332
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000754
"WORKING WITH YOU BY DESIGN"

ASH ST. TYPICAL SECTIONS
ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
Project: CONTRACT NO. 89471

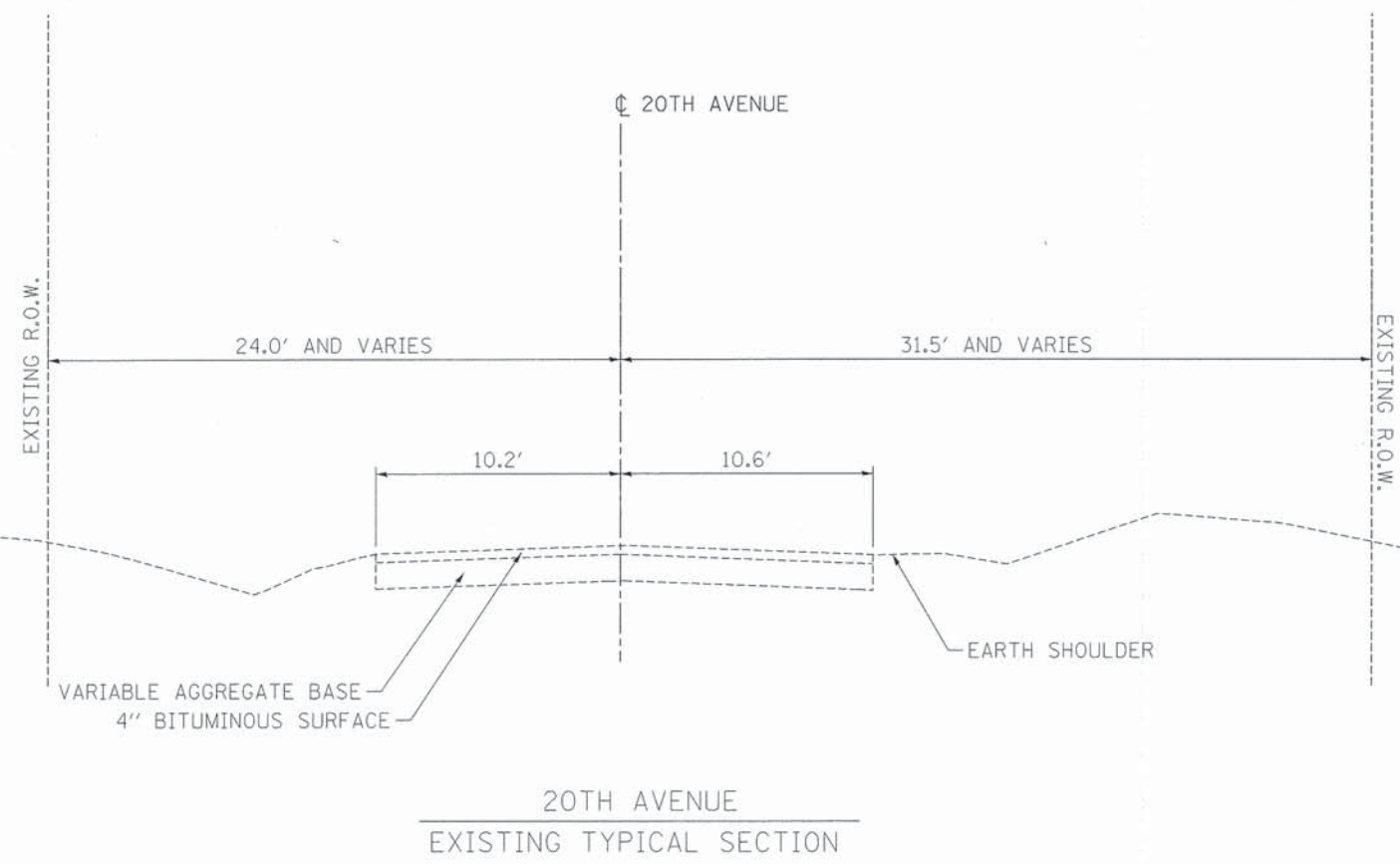
Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:

NO.	DATE	DESCRIPTION

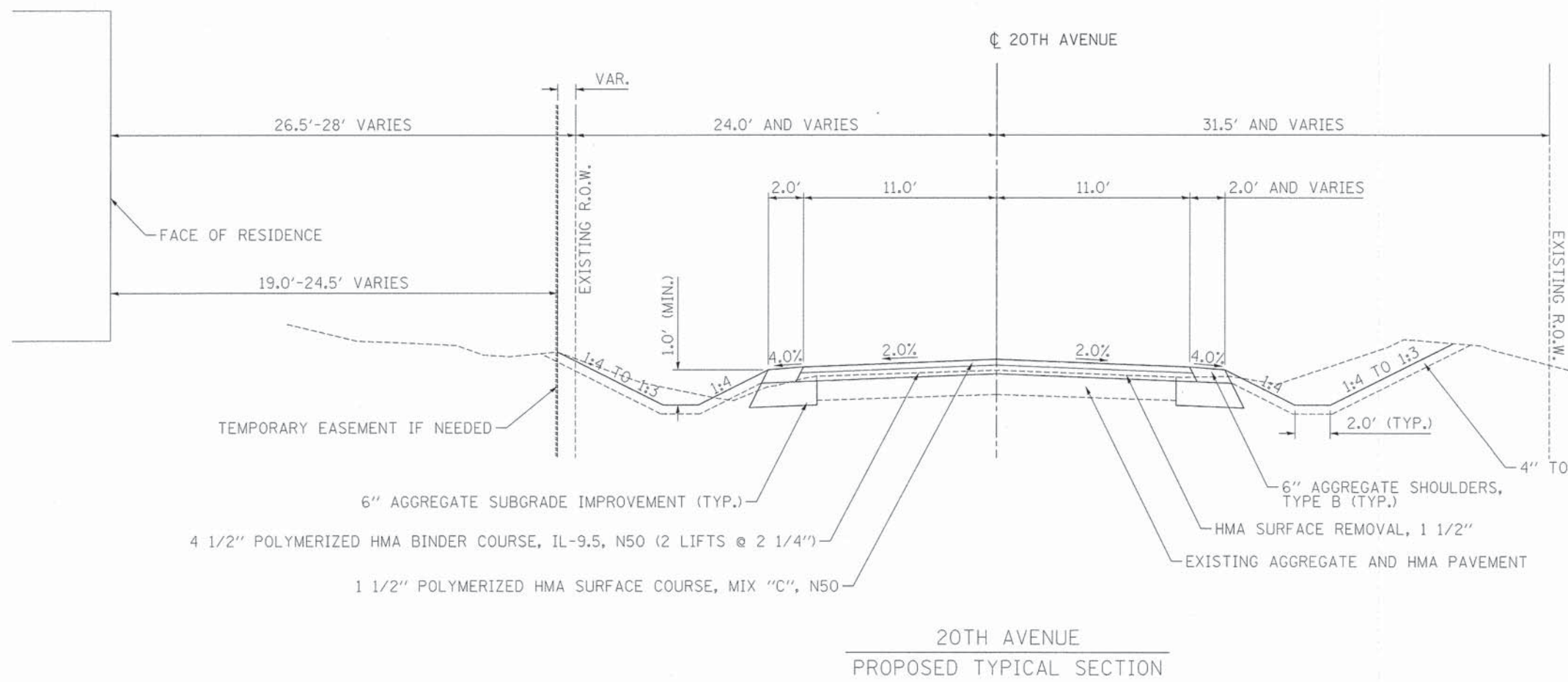
MAURER-STUTZ
ENGINEERS SURVEYORS
8116 N. SHELLY AVE. #101 | PROSA, ILLINOIS 61050 | 1075 EAST 84th STREET | CANTON, ILLINOIS 61508
PH: (202) 692-2115 | FAX: (202) 692-2144 | PH: (202) 427-7333 | FAX: (202) 427-4333
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #181-005754
"WORKING WITH YOU BY DESIGN"

Sheet Title: **20TH AVE. TYPICAL SECTION**
Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
Contract No. **89471**
Designed By: **JDS**
Drawn By: **WLL**
Reviewed By:
Date: **20 October 2014**
Project No.: **24714003**
Drawing:



20TH AVENUE
EXISTING TYPICAL SECTION



NOTE:
POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50 SHALL BE PLACED FROM STA. 27+00 TO STA. 36+00 RIGHT OF CENTERLINE TO EDGE OF EXISTING PAVEMENT TO CORRECT EXISTING CROSS SLOPE AFTER HMA SURFACE REMOVAL, 1 1/2" HAS BEEN COMPLETED.

20TH AVENUE
PROPOSED TYPICAL SECTION

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54213867 STEEL END SECTIONS 12"			
LOCATION	EACH	REMARKS	
20TH AVENUE			
STA. 22+40.40, 18.88' LT	1		
STA. 22+59.23, 19.06' LT	1		
STA. 23+02.17, 19.51' LT	1		
STA. 23+21.11, 19.72' LT	1		
STA. 24+06.85, 19.99' LT	1		
STA. 24+19.57, 19.81' RT	1		
STA. 24+44.53, 20.01' RT	1		
STA. 24+56.80, 19.34' LT	1		
STA. 25+55.09, 19.09' LT	1		
STA. 25+76.66, 19.20' LT	1		
STA. 26+91.81, 20.38' LT	1		
STA. 27+21.23, 20.59' LT	1		
STA. 27+61.11, 20.72' LT	1		
STA. 27+97.68, 20.48' LT	1		
STA. 28+95.45, 19.61' LT	1		
STA. 29+14.43, 19.38' LT	1		
STA. 36+13.18, 20.86' RT	1		
STA. 36+29.23, 21.50' RT	1		
STA. 36+65.30, 23.09' RT	1		
STA. 36+84.11, 24.01' RT	1		
STA. 37+46.19, 22.34' RT	1		
STA. 37+61.14, 21.49' RT	1		
STA. 37+80.97, 16.45' RT	1		
STA. 38+06.59, 15.04' RT	1		
TOTAL	24.0		

54213873 STEEL END SECTIONS 18"			
LOCATION	EACH	REMARKS	
20TH AVENUE			
STA. 42+71.30, 14.92 LT	1		
STA. 43+18.36, 13.98 LT	1		
TOTAL	2.0		

54214533 PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 48"			
LOCATION	EACH	REMARKS	
20TH AVENUE			
STA. 27+20.00, 232' LT	1.0		
TOTAL	1.0		

54248510 CONCRETE COLLAR			
LOCATION	CU YD	REMARKS	
ASH STREET			
STA. 76+04.60, 16' RT	0.4		
TOTAL	0.4		

542A0223 PIPE CULVERTS, CLASS A, TYPE 1 18"			
LOCATION	FOOT	REMARKS	
ASH STREET			
STA. 76+99.50 TO 77+40.50, 26' LT	41		
STA. 81+41.50 TO 81+78.50, 25' LT	37		
STA. 82+03.50 TO 82+34.50, 24' RT	31		
STA. 86+87.50 TO 87+08.50, 24' RT	21		
STA. 87+84.00 TO 88+12.00, 24' RT	28		
STA. 89+69.00 TO 90+05.00, 24' LT	36		
STA. 89+67.00 TO 90+07.00, 24' RT	40		
TOTAL	234.0		

542C0217 PIPE CULVERTS, CLASS C, TYPE 1 12"			
LOCATION	FOOT	REMARKS	
20TH AVENUE			
STA. 22+40.40 TO STA. 22+59.23	19.0' LT	19	
STA. 23+02.17 TO STA. 23+21.11	20.0' LT	19	
STA. 24+06.85 TO STA. 24+56.80	20.0' LT	50	
STA. 24+19.55 TO STA. 24+44.53	20.0' RT	25	
STA. 25+55.09 TO STA. 25+76.66	19.0' LT	22	
STA. 26+91.91 TO STA. 27+21.23	20.0' LT	30	
STA. 27+61.11 TO STA. 27+97.68	21.0' LT	37	
STA. 28+95.45 TO STA. 29+14.43	20.0' LT	19	
STA. 36+13.18 TO STA. 36+29.23	21.0' RT	17	
STA. 36+65.30 TO STA. 36+84.11	24.0' RT	19	
STA. 37+46.19 TO STA. 37+61.14	22.0' RT	15	
STA. 37+80.97 TO STA. 38+06.59	16.0' RT	26	
TOTAL		298.0	

542C0223 PIPE CULVERTS, CLASS C, TYPE 1 18"			
LOCATION	FOOT	REMARKS	
20TH AVENUE			
STA. 42+71.30 TO STA. 43+18.36	14.0' LT	48.0	
TOTAL		48.0	

56109210 WATER VALVES TO BE ADJUSTED			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 78+88.64, 30.44' LT	1.0		
20TH AVENUE			
STA. 36+42.86, 21.89' RT	1.0		
TOTAL	2.0		

56400400 FIRE HYDRANTS TO BE RELOCATED			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 83+63.15, 30.91' LT	1	MOVE TO STA. 83+63.25, 40' LT	
TOTAL	1.0		

56400510 FIRE HYDRANTS TO BE REMOVED AND REPLACED			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 76+82.53, 27.62' LT	1	MOVE TO STA. 76+82.53, 36' LT	
STA. 80+52.37, 29.59' LT	1	MOVE TO STA. 80+52.37', 44' LT	
TOTAL	2.0		

60255500 MANHOLES TO BE ADJUSTED			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 81+25.56, 29.80' RT	1		
20TH AVENUE			
STA. 23+63.49, 12.39' LT	1		
STA. 26+04.92, 12.20' LT	1		
STA. 38+38.14, 17.27' LT	1		
STA. 44+73.25, 19.88' LT	1		
TOTAL	5.0		

60500040 REMOVING MANHOLES			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 76+04.58, 16.00' RT	1.0		
TOTAL	1.0		

60500060 REMOVING INLETS			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 76+04.96, 17.13' LT	1.0		
TOTAL	1.0		

60604400 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18			
LOCATION	FOOT	REMARKS	
ASH STREET			
STA. 75+93.00 TO STA. 77+44.00, RT	164	ASH ST/16TH AVE	
TOTAL	164.0		

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 76+05.18, 46.00' LT	1.0		
STA. 77+84.38, 30.00' RT	1.0		
STA. 77+84.38, 40.00' RT	1.0		
STA. 80+60.66, 41.00' LT	1.0		
STA. 80+60.70, 46.00' LT	1.0		
STA. 84+98.74, 40.00' RT	1.0		
STA. 84+98.80, 35.00' RT	1.0		
STA. 88+87.24, 35.00' RT	1.0		
STA. 88+87.24, 40.00' RT	1.0		
STA. 96+00.00, 41.00' LT	1.0		
STA. 96+00.00, 40.00' RT	1.0		
STA. 97+88.27, 56.00' LT	1.0		
STA. 97+77.00, 55.00' RT	1.0		
20TH AVENUE			
STA. 28+44.88, 34.27' RT	1.0		
STA. 29+17.88, 40.54' LT	1.0		
STA. 29+18.08, 25.54' LT	1.0		
STA. 35+25.03, 39.14' LT	1.0		
STA. 36+09.58, 31.25' RT	1.0		
STA. 36+09.65, 36.25' RT	1.0		
STA. 37+64.45, 22.62' RT	1.0		
STA. 37+64.55, 30.52' RT	1.0		
STA. 38+51.26, 34.59' LT	1.0		
STA. 42+81.24, 35.14' LT	1.0		
TOTAL	23.0		

70300100 SHORT TERM PAVEMENT MARKING			
LOCATION	FOOT	REMARKS	
ASH STREET			
STA. 68+60.67 TO STA. 75+93.60	73.3	MILLED SURFACE	
STA. 68+60.67 TO STA. 75+93.60	73.3	SURFACE COURSE	
STA. 75+93.60 TO STA. 98+21.75	222.8	SURFACE ONLY	
20TH AVENUE			
STA. 22+35.00 TO STA. 38+15.00	158	MILLED SURFACE	
STA. 22+35.00 TO STA. 38+15.00	158	1ST LIFT BINDER	
STA. 22+35.00 TO STA. 38+15.00	158	2ND LIFT BINDER	
STA. 22+35.00 TO STA. 38+15.00	158	SURFACE COURSE	
TOTAL	1001.4		

70301000 WORK ZONE PAVEMENT MARKING REMOVAL			
LOCATION	SQ FT	REMARKS	
ASH STREET			
STA. 68+60.67 TO STA. 75+93.60	24.43	SURFACE COURSE	
STA. 75+93.60 TO STA. 98+21.75	74.27	SURFACE COURSE	
20TH AVENUE			
STA. 22+35.00 TO STA. 38+15.00	52.67	SURFACE COURSE	
TOTAL	151.4		

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"			
LOCATION	FOOT	REMARKS	
ASH STREET			
STA. 68+60.67 TO STA. 75+50	CL 172.33	DASHED - YELLOW	
STA. 76+25 TO STA. 98+00	CL 543.75	DASHED - YELLOW	
STA. 75+93.60 TO STA. 98+21.75	LT EOP 2385.98	SOLID - WHITE	
STA. 75+93.60 TO STA. 98+21.75	RT EOP 2296.04	SOLID - WHITE	
20TH AVENUE			
STA. 22+35.00 TO STA. 38+15.00	CL 395.00	DASHED - YELLOW	
STA. 22+35.00 TO STA. 38+15.00	LT EOP 1426.38	SOLID - WHITE	
STA. 22+35.00 TO STA. 38+15.00	RT EOP 1580.15	SOLID - WHITE	
TOTAL	8799.6		

78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"			
LOCATION	FOOT	REMARKS	
ASH STREET			
N SIDE OF 16TH AVE	80	CROSS WALK	
S SIDE OF 16TH AVE	76	CROSS WALK	
W SIDE OF 16TH AVE	89	CROSS WALK	
E SIDE OF 16TH AVE	93	CROSS WALK	
TOTAL	338.0		

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"			
LOCATION	FOOT	REMARKS	
ASH STREET			
N LEG OF 16TH AVE	13	STOP BAR	
S LEG OF 16TH AVE	15	STOP BAR	
W SIDE OF 16TH AVE	20	STOP BAR	
E SIDE OF 16TH AVE	25	STOP BAR	
S LEG OF 15TH AVE	18	STOP BAR	
20TH AVENUE			
W SIDE OF 20TH	14	STOP BAR	
TOTAL	105.0		

78100100 RAISED REFLECTIVE PAVEMENT MARKER			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 68+60.67 TO STA. 96+60.67	36.0		
TOTAL	36.0		

A2064R10 TREE-QUERCUS ALBA (WHITE OAK), 3-GALLON (ROOT PRODUCTION METHOD) SPECIAL			
LOCATION	EACH	REMARKS	
EXACT LOCATION TO BE DETERMINED BY CANTON PARK DISTRICT	7	20TH AVENUE	
TOTAL	7.0		

X0326748 CLEAN-OUT MANHOLE			
LOCATION	EACH	REMARKS	
20TH AVENUE			
STA. 16+37.00, 18' LT	1.0		
STA. 16+30.00, 17' RT	1.0		
STA. 22+33.00, 18' RT	1.0		
STA. 22+73.00, 20' LT	1.0		
TOTAL	4.0		

REVISIONS	
No.	Description

SCHEDULE OF QUANTITIES

ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL

Contract No. 89471

Designed By: JDS
 Drawn By: WLL
 Reviewed By: _____
 Date: 20 October 2014
 Project No.: 24714003
 Drawing:

X2800520 ABOVE GRADE INLET FILTERS			
LOCATION	EACH	REMARKS	
ASH STREET			
STA. 76+05.00, 17' LT	1.0		
STA. 76+17.30, 16' RT	1.0		
STA. 76+32.00, 25' LT	1.0		
20TH AVENUE			
STA. 22+29.61, 18.74' LT	1.0	INLET	
STA. 22+30.18, 18.27' RT	1.0	INLET	
STA. 36+08.94, 60.52' LT	1.0		
STA. 36+67.39, 61.28' LT	1.0		
STA. 38+30.40, 17.77' RT	1.0		
STA. 38+38.14, 17.27' LT	1.0	MH TO BE ADJUSTED	
STA. 44+73.25, 19.88' LT	1.0	MH TO BE ADJUSTED	
STA. 46+82.18, 213.35' LT	1.0		
TOTAL	11.0		

X5537900 STORM SEWERS TO BE CLEANED 15"			
LOCATION	FOOT	REMARKS	
20TH AVENUE			
38+37.88, 16.11' TO 38+30.66, 66.62' RT	33.5		
44+81.67, 27.89' LT TO 44+35.11, 18.36' RT	67.1		
TOTAL	100.6		

X5610748 WATER MAIN LINE STOP 8"			
LOCATION	EACH	REMARKS	
ASH STREET			
STA 76+82.53 LT	1.0		
STA 80+52.37 LT	1.0		
TOTAL	2.0		

X7010216 TRAFFIC CONTROL AND PROTECTION (SPECIAL)			
LOCATION	L SUM	REMARKS	
ENTIRE PROJECT			
	1.0		
TOTAL	1.0		

XX000061 STUMP REMOVAL			
LOCATION	EACH	REMARKS	
20TH AVENUE			
STA 27+38.67 19.29' LT	1.0		
TOTAL	1.0		

Z0004522 HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"			
LOCATION	SQ YD	REMARKS	
20TH AVENUE			
STA. 24+22.00, LT	6.3	P.E.	
STA. 27+06.74, LT	8.0	P.E.	
TOTAL	14.3		

Z0004530 HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"			
LOCATION	SQ YD	REMARKS	
ASH STREET			
STA. 77+19 LT	64.44	C.E.	
STA. 77+63 RT	49.11	C.E.	
STA. 79+85 LT	66.67	C.E.	
TOTAL	180.2		

Z0013798 CONSTRUCTION LAYOUT			
LOCATION	L SUM	REMARKS	
ENTIRE PROJECT			
	1.0		
TOTAL	1.0		

Z0077700 WOOD FENCE TO BE REMOVED AND RE-ERECTED			
LOCATION	FOOT	REMARKS	
20TH AVENUE			
STA. 36+31.24, 32.22' RT TO 36+39.95, 23.67' RT	18.2		
STA. 36+54.44, 23.03' RT TO 36+63.98, 31.47' RT	18.3		
TOTAL	36.4		

EARTHWORK BALANCE TABLE				
LOCATION	EARTH EXCAVATION	EXCAVATION ADJUSTED FOR STRUCTURE EX & SHRINKAGE (25%)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
ASH STREET STA. 76+00.00 TO STA. 98+00.00	6250.00	4687.50	882.97	3804.52
20TH AVENUE STA. 22+35.00 TO STA. 44+50.00	2130.02	1597.52	340.55	1256.96
JFL PARK STA. 45+50.00 TO STA. 48+00.00	0.00	0.00	2000.56	-2000.56
TOTAL	8380.02	6285.01	3224.08	3060.93

TOTAL EARTHWORK		
EARTH EXCAVATION	8380.00	CU YD
FURNISHED EXCAVATION	0.00	CU YD

REVISIONS	
No.	Description

MAURER-STUTZ
ENGINEERS SURVEYORS

1111 N. DREXEL LANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 3670 EAST 64TH STREET | CANTON, ILLINOIS 61520
PH. (309) 695-7515 | FAX (309) 695-7516 | PH. (309) 647-7811 | FAX (309) 647-4335
ILLINOIS PROFESSIONAL DESIGN FIRMA LICENSE #184-007514
"WORKING WITH YOU BY DESIGN"

SCHEDULE OF QUANTITIES

ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL

Contract No. 88471

Designed By: JDS
Drawn By: WLL
Reviewed By:

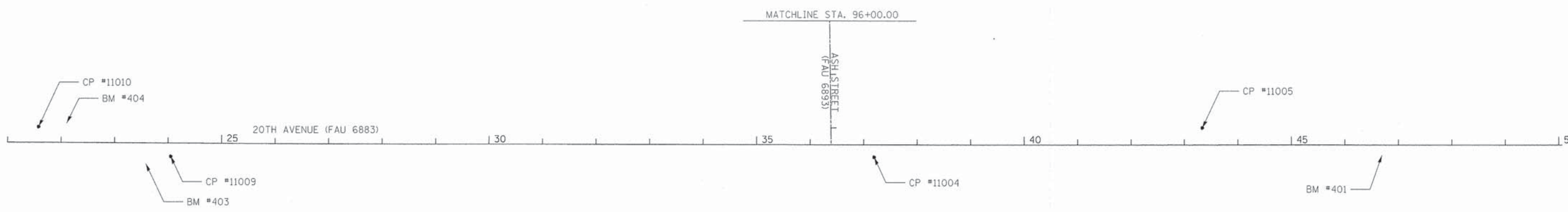
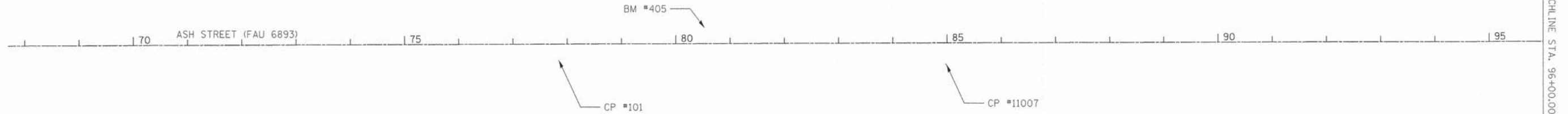
Date: 20 October 2014
Project No.: 24714003
Drawing:

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VERTICAL AND HORIZONTAL CONTROL POINTS						
POINT	NORTH	EAST	STATION	OFFSET	ROADWAY	DESCRIPTION
101	1418161.59	2340797.88	77+84.39	29.77' RT	ASH ST.	ROD AND CAP
11001	1420859.05	2342861.73			20TH AVE.	5/8" IRON ROD
11004	1418279.37	2342868.92	37+19.54	23.15' RT	20TH AVE.	5/8" IRON ROD
11005	1418893.77	2342818.12	43+33.52	31.87' LT	20TH AVE.	5/8" REBAR
11006	1419676.62	2342825.21			20TH AVE.	5/8" REBAR
11007	1418154.34	2341512.18	84+98.66	39.77' RT	ASH ST.	3/4" IRON PIPE
11009	1416964.85	2342855.83	24+05.09	24.88' RT	20TH AVE.	5/8" REBAR
11010	1416718.29	2342797.82	21+57.65	29.26' LT	20TH AVE.	5/8" REBAR

BENCHMARKS						
POINT	ELEVATION	ASH STREET CHAIN RCLP_ASHA		20TH AVE CHAIN RCLPTWEN1		DESCRIPTION
		STATION	OFFSET	STATION	OFFSET	
401	643.18			46+69.10	19.37' RT	NORTH CAP BOLT ON FIRE HYDRANT 575 N 20TH AVE
402	642.09					RAILROAD SPIKE IN POWER POLE ON NORTH SIDE OF E SEBREE ROAD AT N 20TH AVE
403	643.09			23+58.72	38.92' RT	WEST BOLT ON LIGHT POLE FOUNDATION, EAST SIDE OF N 20TH AVE AT FITNESS CENTER
404	643.72			22+10.51	36.42' LT	TOP BOLT ON "IOWA" FIRE HYDRANT, NORTHWEST QUADRANT N 20TH AVE AND E CHESTNUT ST
405	649.91	80+50.98	86.98' LT			TOP BOLT ON "IOWA" FIRE HYDRANT, NORTH SIDE OF E ASH ST, EAST OF EAST ENTRANCE TO THE RENAISSANCE CARE CENTER



CP #11006 LOCATED 448' FROM
BM #401 NORTH ALONG 20TH AVE
CP #11001 LOCATED 1630' FROM
BM #401 NORTH ALONG 20TH AVE
BM #402 LOCATED 1648' FROM BM #401
NORTH ALONG 20TH AVE

REVISIONS

No.	Date	Description

MAURER-STUTZ
ENGINEERS SURVEYORS

3118 N. BRISLAW, SUITE 100 | PEORIA, ILLINOIS 61604 | 879 EAST ASH STREET | CANTON, ILLINOIS 61520
PH. (309) 692-7615 | FAX (309) 693-7616 | PH. (309) 642-7831 | FAX (309) 647-6155
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000754
"WORKING WITH YOU TO DESIGN"

ALIGNMENT, TIES AND BENCHMARKS

ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

Sheet Title:

Project:

CITY OF CANTON, IL

CONTRACT NO. 89471

Client:

Designed By: JDS
Drawn By: WLL
Reviewed By:

Date: 20 October 2014
Project No.: 24714003
Drawing:

USER NAME = jllewis
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CHAIN DESCRIPTION

Chain RCLP_ASHA contains:

RCPASH01 RCPASH02

Beginning chain RCLP_ASHA description

Point RCPASH01 X 2,339,783.1339 Y 1,418,187.4717 Sta 67+69.7512

Course from RCPASH01 to RCPASH02 89° 46' 48.6569" Dist 3,061.8416

Point RCPASH02 X 2,342,844.9530 Y 1,418,199.2186 Sta 98+31.5928

Ending chain RCLP_ASHA description

Chain RCLPTWEN1 contains:

RCPTWEN03 CUR RCPTWEN01 CUR RCPTWEN02 RCPTWEN10

Beginning chain RCLPTWEN1 description

Point RCPTWEN03 X 2,342,826.1703 Y 1,416,660.1886 Sta 21+00.0000

Course from RCPTWEN03 to PC RCPTWEN01 0° 53' 53.9420" Dist 516.6335

Curve RCPTWEN01

P.I. Station 26+90.4649 X 2,342,835.2943 Y 1,417,250.5830

Delta = 0° 12' 41.4404" (LT)

Degree = 0° 08' 35.6620"

Tangent = 73.8314

Length = 147.6627

Radius = 40,000.0000

External = 0.0681

Long Chord = 147.6626

Mid. Ord. = 0.0681

P.C. Station 26+16.6335 X 2,342,834.2700 Y 1,417,176.7586

P.T. Station 27+64.2962 X 2,342,836.0460 Y 1,417,324.4106

C.C. X 2,302,838.1191 Y 1,417,731.6585

Back = 0° 47' 41.4996"

Ahead = 0° 35' 00.0591"

Chord Bear = 0° 41' 20.7793"

Course from PT RCPTWEN01 to PC RCPTWEN02 0° 35' 00.0591" Dist 951.9709

Curve RCPTWEN02

P.I. Station 38+14.1119 X 2,342,846.7343 Y 1,418,374.1718

Delta = 0° 13' 27.2764" (LT)

Degree = 0° 06' 52.5296"

Tangent = 97.8448

Length = 195.6893

Radius = 50,000.0000

External = 0.0957

Long Chord = 195.6892

Mid. Ord. = 0.0957

P.C. Station 37+16.2671 X 2,342,845.7382 Y 1,418,276.3321

P.T. Station 39+11.9564 X 2,342,847.3476 Y 1,418,472.0147

C.C. X 2,292,848.3296 Y 1,418,785.3920

Back = 0° 35' 00.0591"

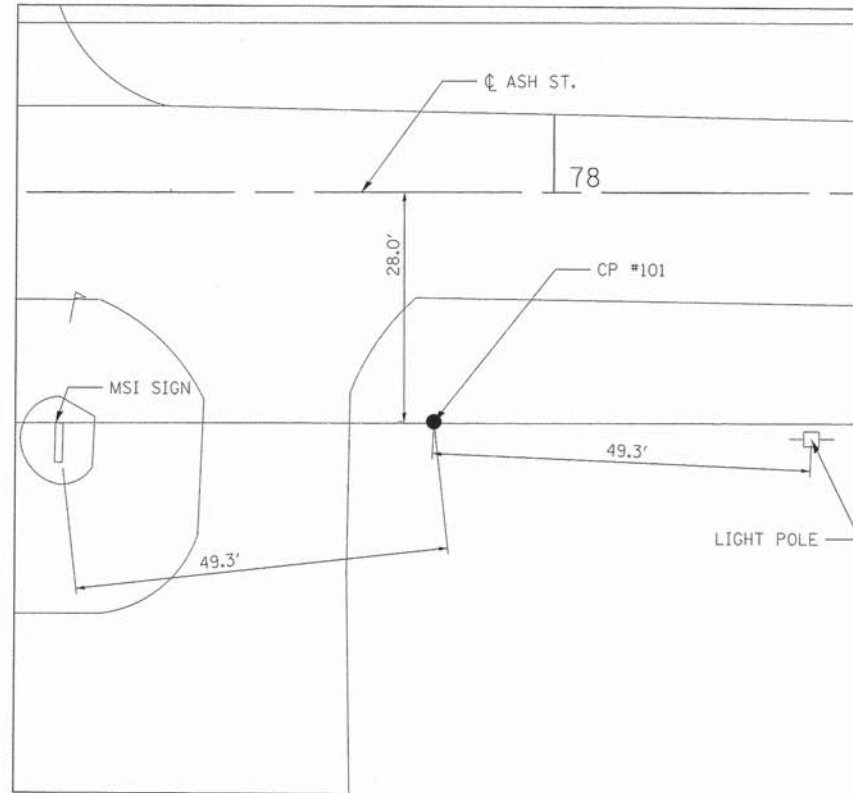
Ahead = 0° 21' 32.7827"

Chord Bear = 0° 28' 16.4209"

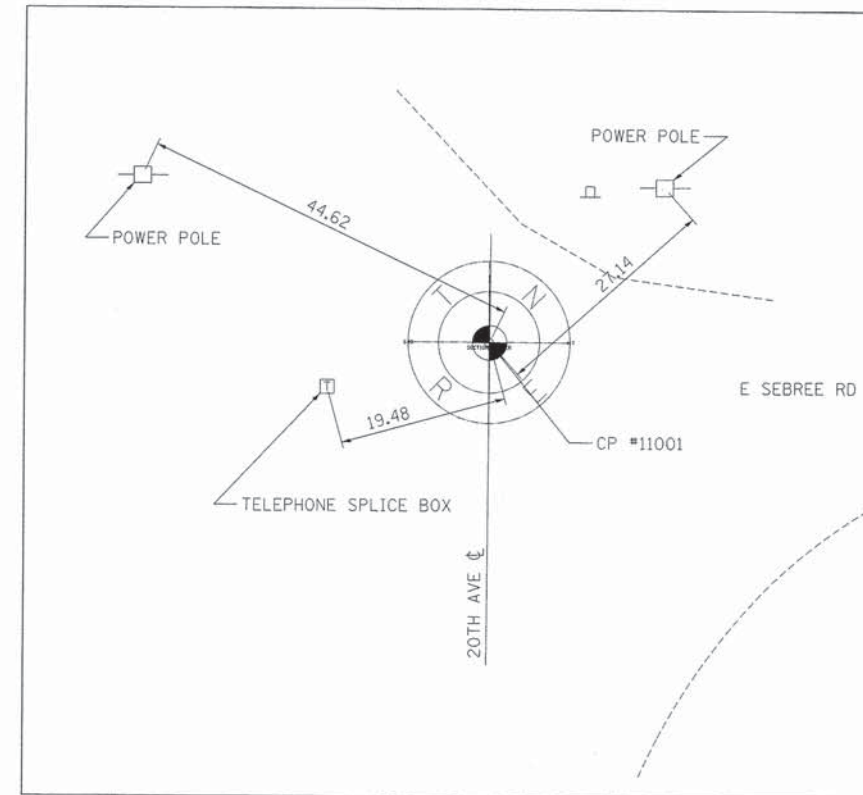
Course from PT RCPTWEN02 to RCPTWEN10 0° 21' 32.7827" Dist 1,094.0434

Point RCPTWEN10 X 2,342,854.2045 Y 1,419,566.0366 Sta 50+05.9998

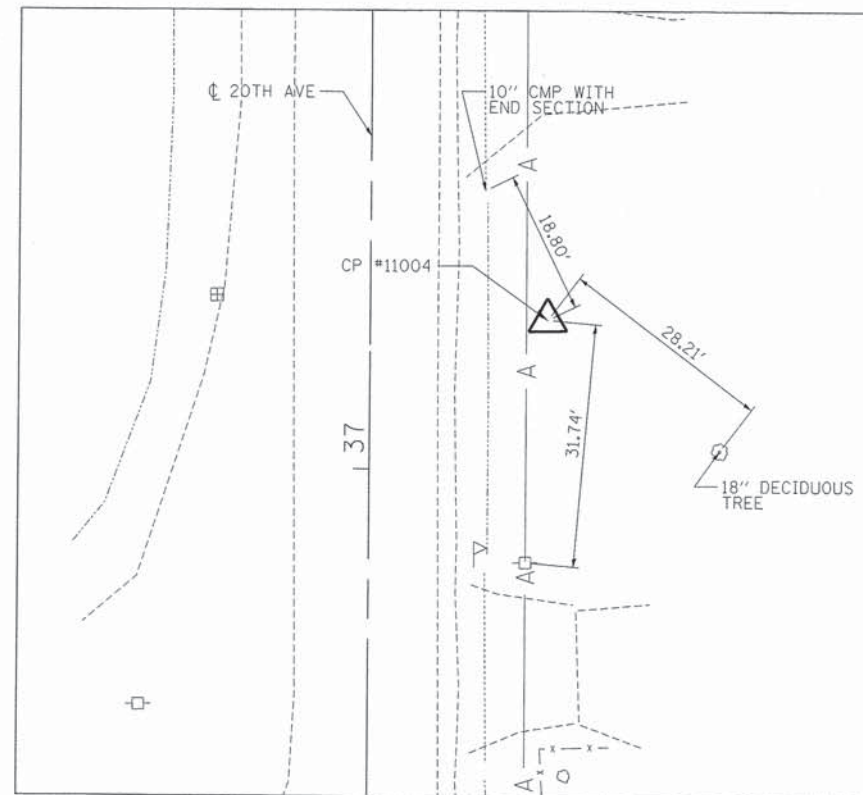
Ending chain RCLPTWEN1 description



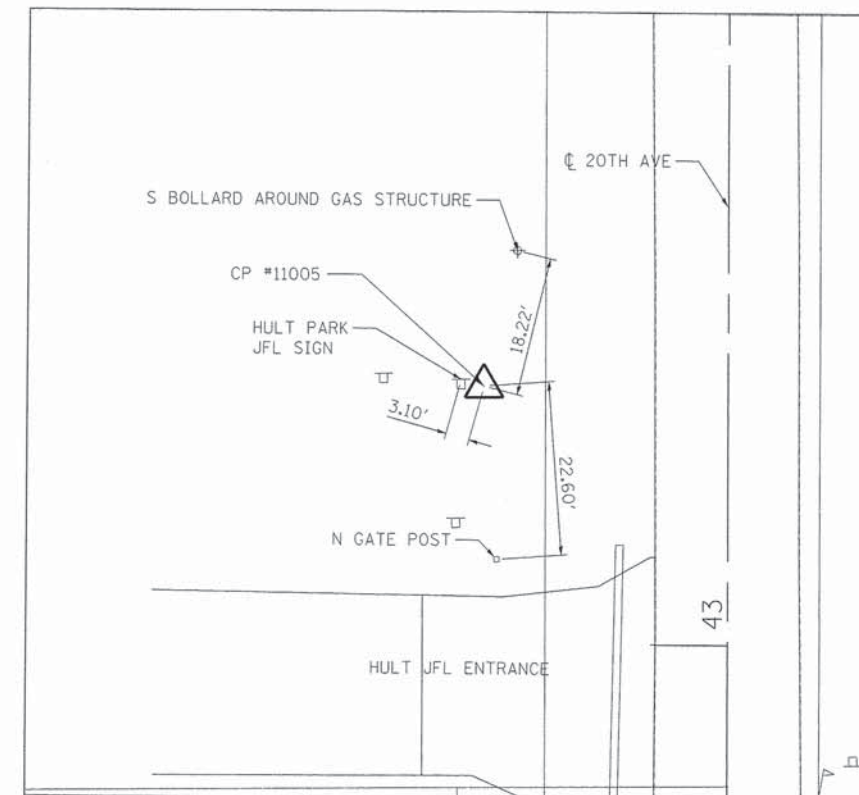
CONTROL POINT #101



CONTROL POINT #11001



CONTROL POINT #11004



CONTROL POINT #11005

REV. NO.	DATE	DESCRIPTION

MAURER-STUTZ
ENGINEERS SURVEYORS

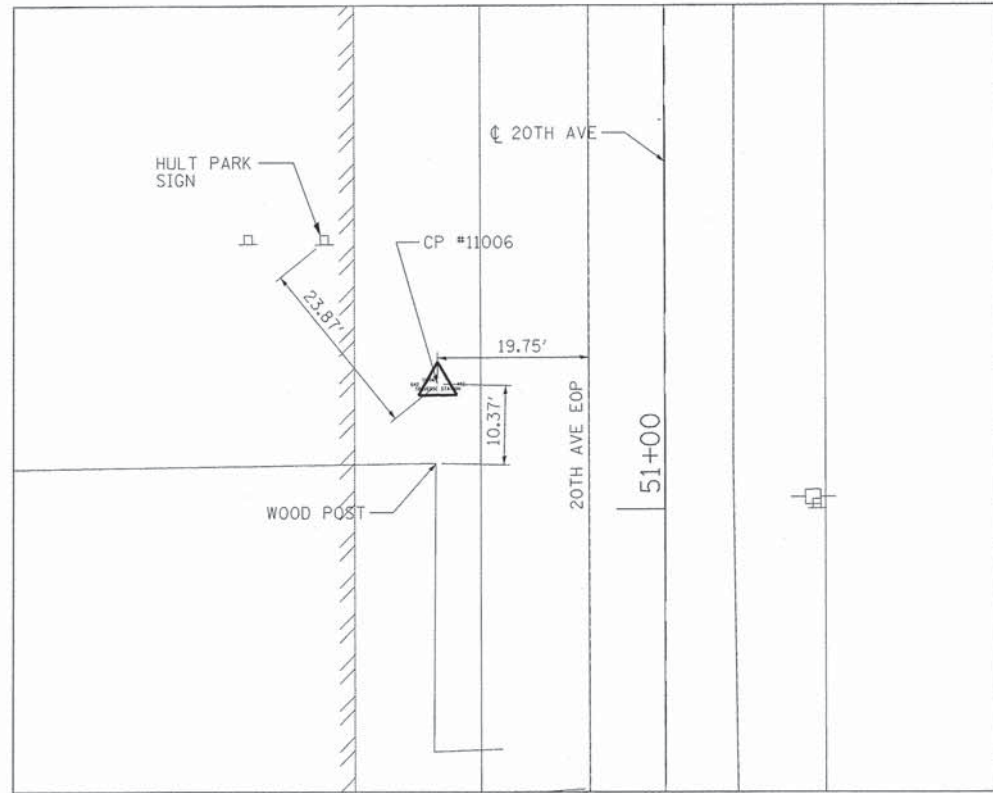
3118 N. DEBELANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 1870 EAST ASH STREET | CANTON, ILLINOIS 61820
PH. (309) 693-7515 | FAX (309) 693-7516 | PH. (309) 427-7331 | FAX (309) 427-4325
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #014-00754
"WORKING WITH YOU BY DESIGN"

ALIGNMENT, TIES AND BENCHMARKS
ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

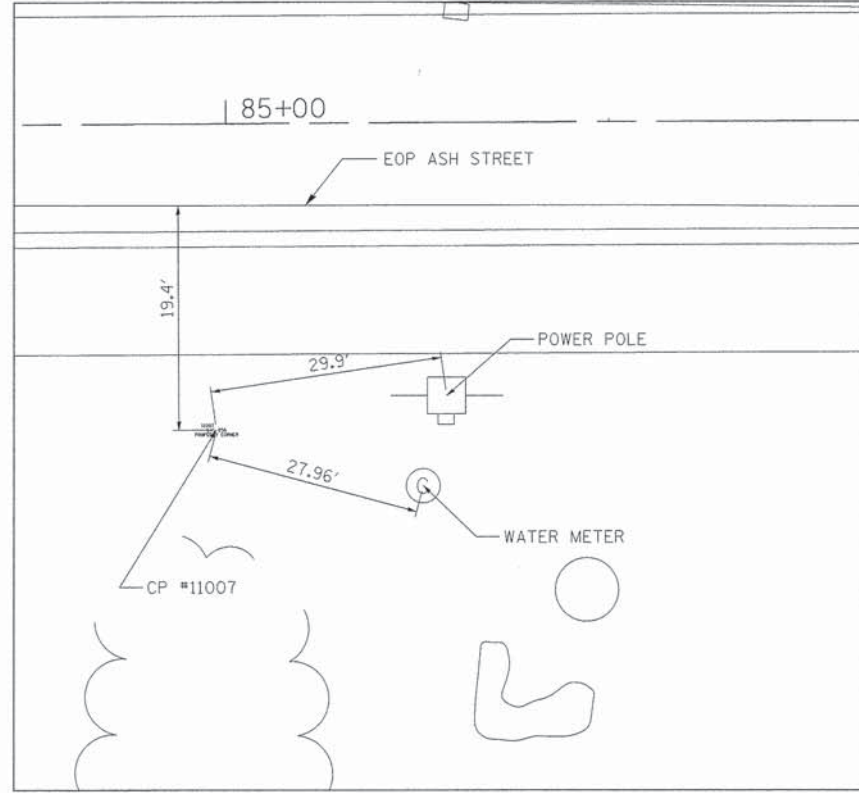
Client: CITY OF CANTON, IL
Project: CONTRACT NO. 89471

Designed By: JDS
Drawn By: WLL
Reviewed By:
Date: 20 October 2014
Project No.: 24714003
Drawing:

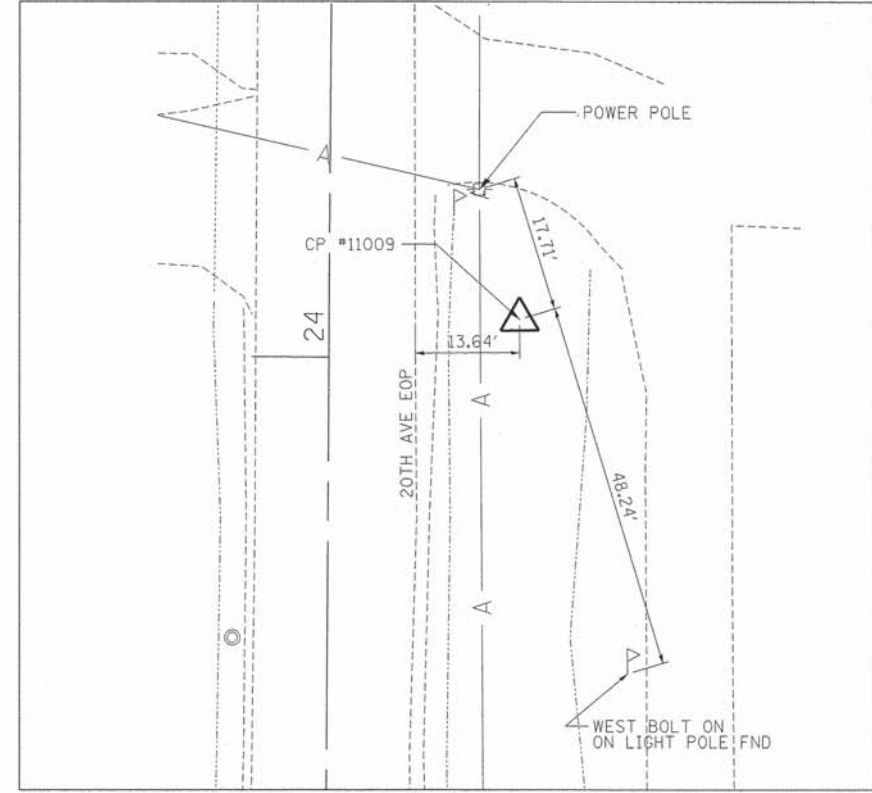
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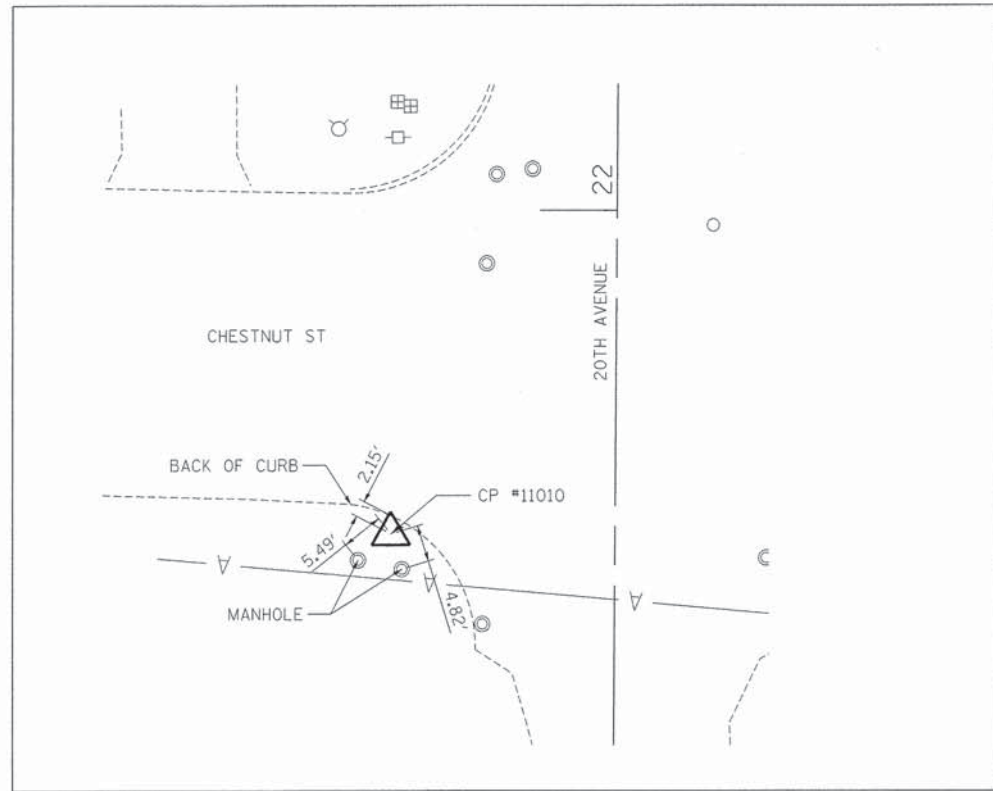
CONTROL POINT #11006



CONTROL POINT #11007



CONTROL POINT #11009



CONTROL POINT #11010



REVISIONS	
No.	Description

MAURER-STUTZ
ENGINEERS SURVEYORS
3116 N. DIXIE AVE. SUITE 100 • PEORIA, ILLINOIS 61604 • 3070 EAST GORHAM STREET • CANTON, ILLINOIS 61820
TEL: (309) 694-9100 • FAX: (309) 694-9101 • TEL: (618) 441-4215
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-00754
"WORKING WITH YOU BY DESIGN"

Sheet Title:
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Project:
ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

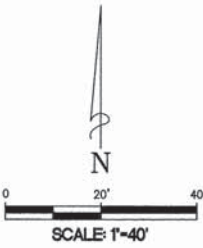
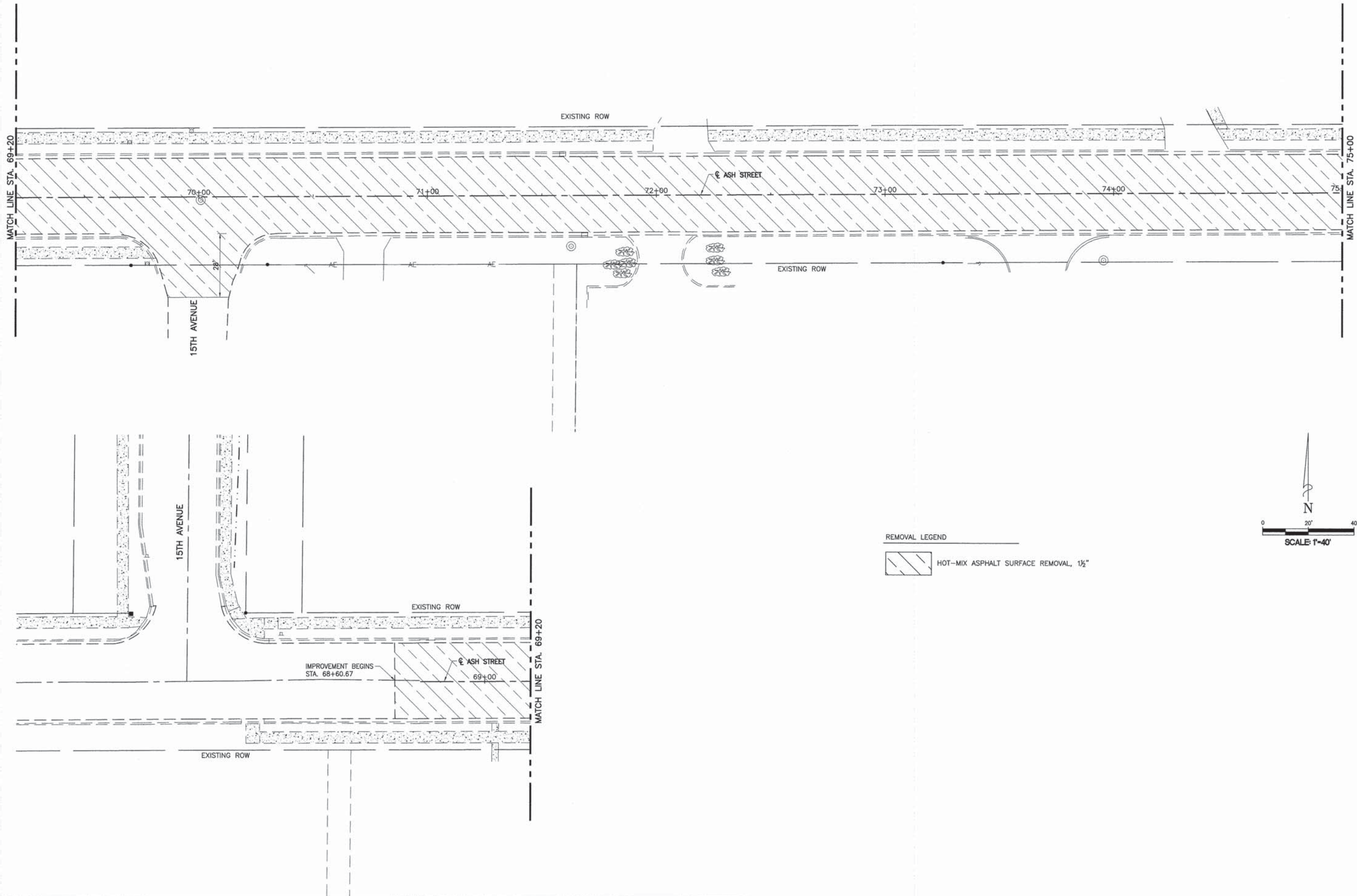
Client:
CITY OF CANTON, IL
Contract No. 88471

Designed By:
JDS
Drawn By:
WLL
Reviewed By:

Date:
20 October 2014
Project No.:
24714003
Drawing:

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REVISIONS	
No.	Date
1	03/07/14
	Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

3115 N. CHELSEA, SUITE 100 | PEORIA, ILLINOIS 61604 | 3070 EAST ASH STREET | CANTON, ILLINOIS 61820
PH. (309) 693-7615 | FAX (309) 693-7616 | PH. (309) 647-7631 | FAX (309) 647-6155
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #38-000754

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ASH ST. REMOVAL PLAN
STA. 68+60.67 TO 75+00.00

ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

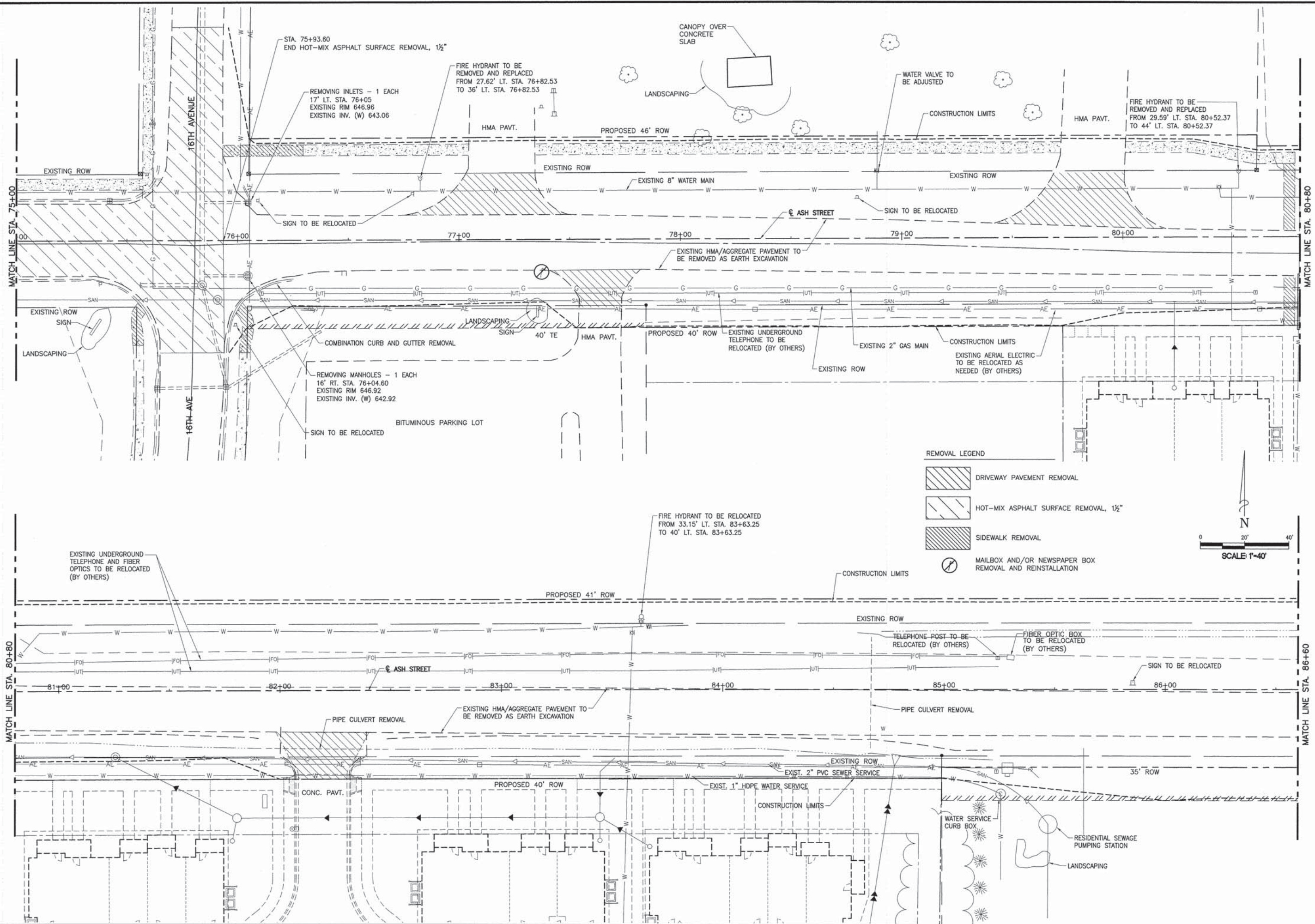
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Client:
CITY OF CANTON, IL

Contract No. 89071

Designed By:
GBM
Drawn By:
NDP
Reviewed By:
KJP
Date:
29 January 2014
Project No.:
247-10002
Drawing:

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NO.	DATE	DESCRIPTION	BY
1	03/07/14	Per Review	

MAURER-STUTZ
ENGINEERS SURVEYORS

1115 N. GREEN LANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 1675 EAST ASH STREET | CANTON, ILLINOIS 61820
PH. (309) 693-7615 | FAX (309) 693-7616 | FAX (309) 647-4155
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #134-000754
WORKING WITH YOU BY DESIGN

ASH ST. REMOVAL PLAN
STA. 75+00.00 TO 86+60.00

ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

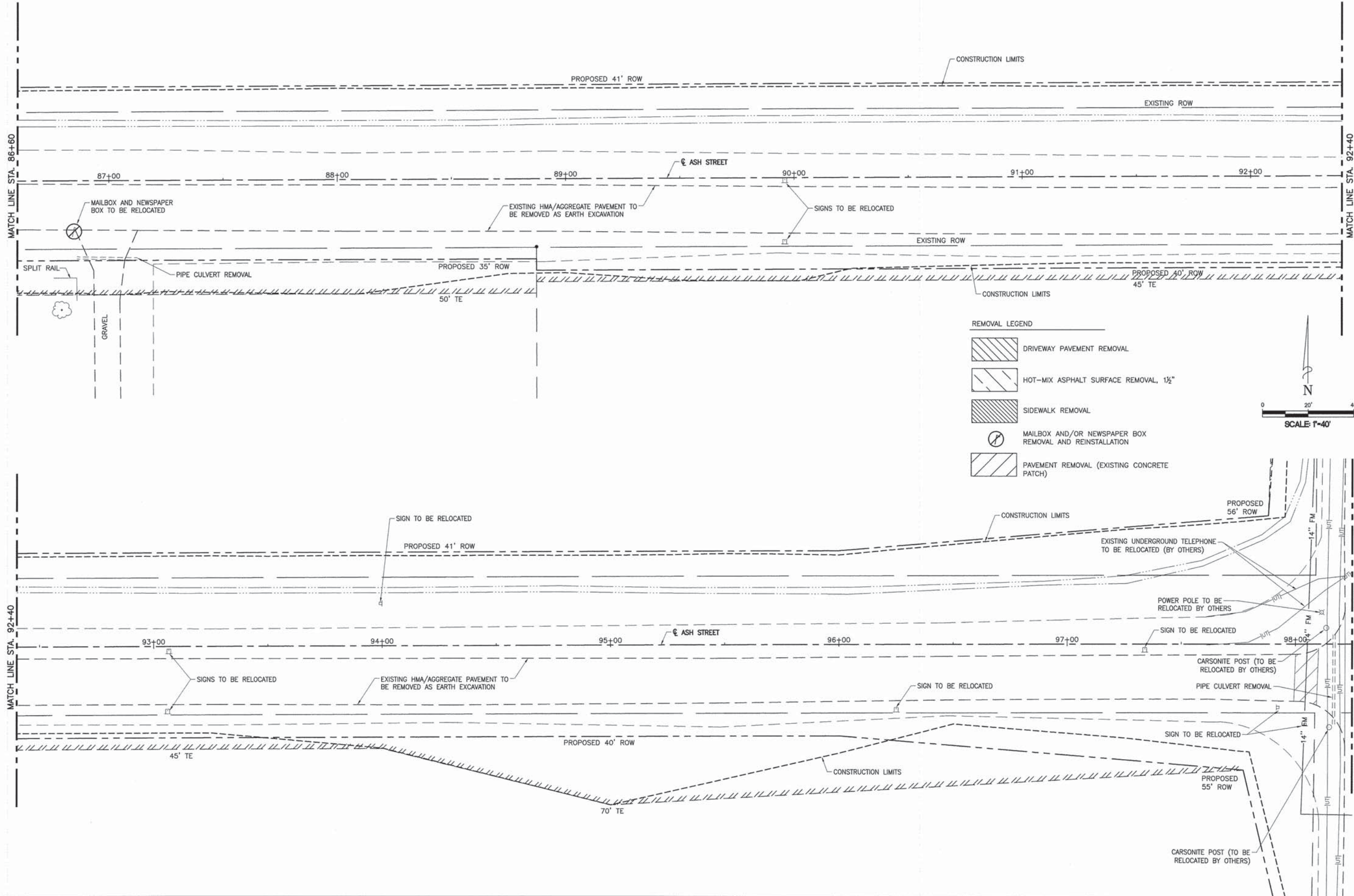
Project: _____
Contract No. 89471

City of Canton, IL

Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:

15 OF 70

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NO.	REVISIONS
1	03/07/14
2	03/07/14

MAURER-STUTZ
ENGINEERS SURVEYORS

3111 N. 20TH AVE. SUITE 101 | PEORIA, ILLINOIS 61604 | 309.687.5411 EXT. 6100 | FAX 309.687.5111 | 1401 20TH AVE. SUITE 101 | PEORIA, ILLINOIS 61604 | 309.687.5111 | FAX 309.687.5111

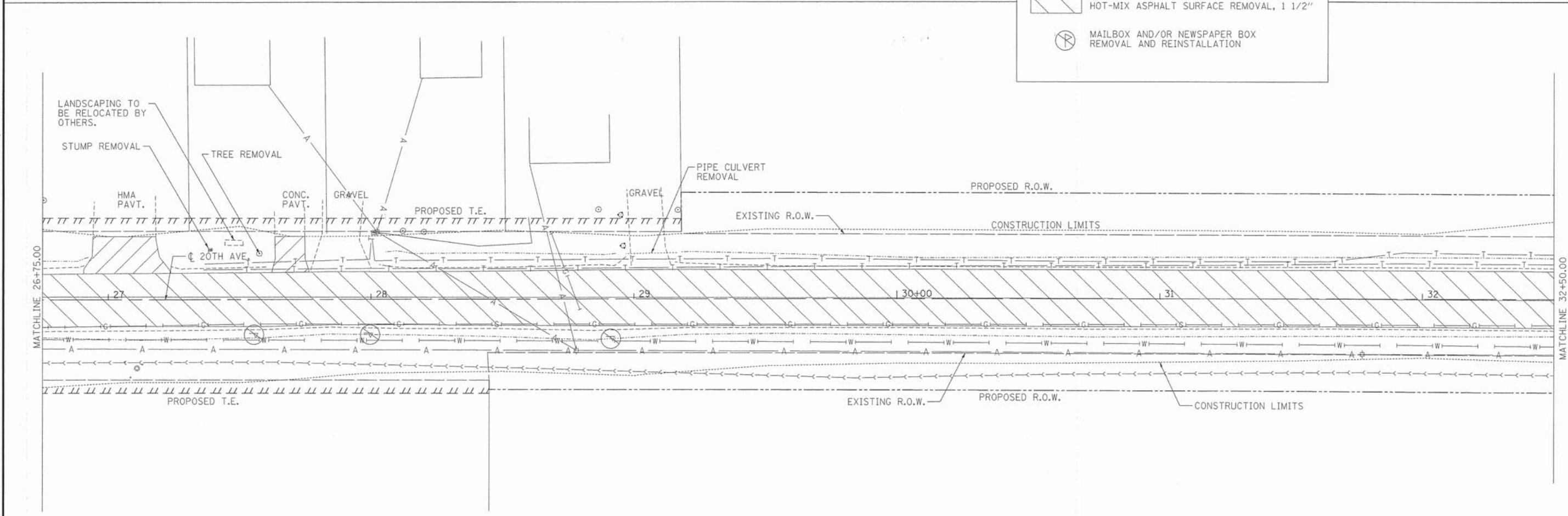
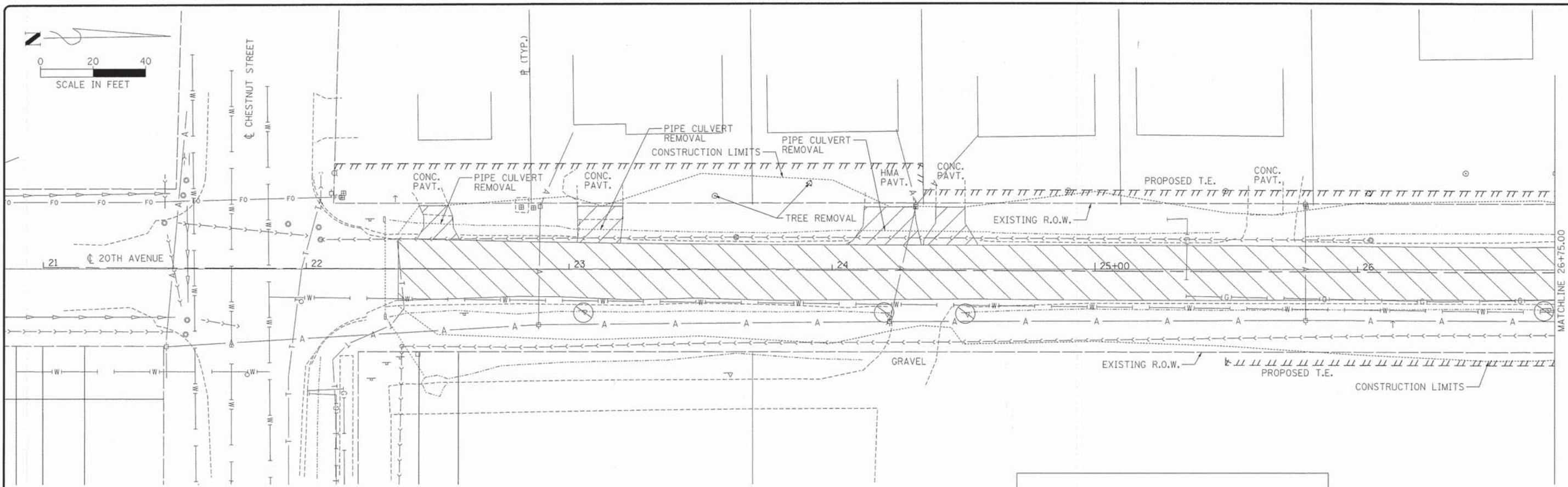
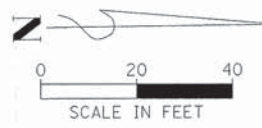
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"WORKING WITH YOU BY DESIGN"

ASH ST. REMOVAL PLAN
STA. 86+60.00 TO 98+25.00

ASH STREET IMPROVEMENTS - PHASE IV AND 20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
Contract No. 89471

Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:



NO.	DATE	DESCRIPTION

MAURER-STUTZ
ENGINEERS SURVEYORS
3114 N. DUREL LANE, SUITE 100 | PROLA, ILLINOIS 61054 | 3670 EAST 64th STREET | CANTON, ILLINOIS 61820
PH: (309) 692-7415 | FAX: (309) 692-7416 | PH: (309) 647-7831 | FAX: (309) 647-4335
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-00734
"WORKING WITH YOU BY DESIGN"

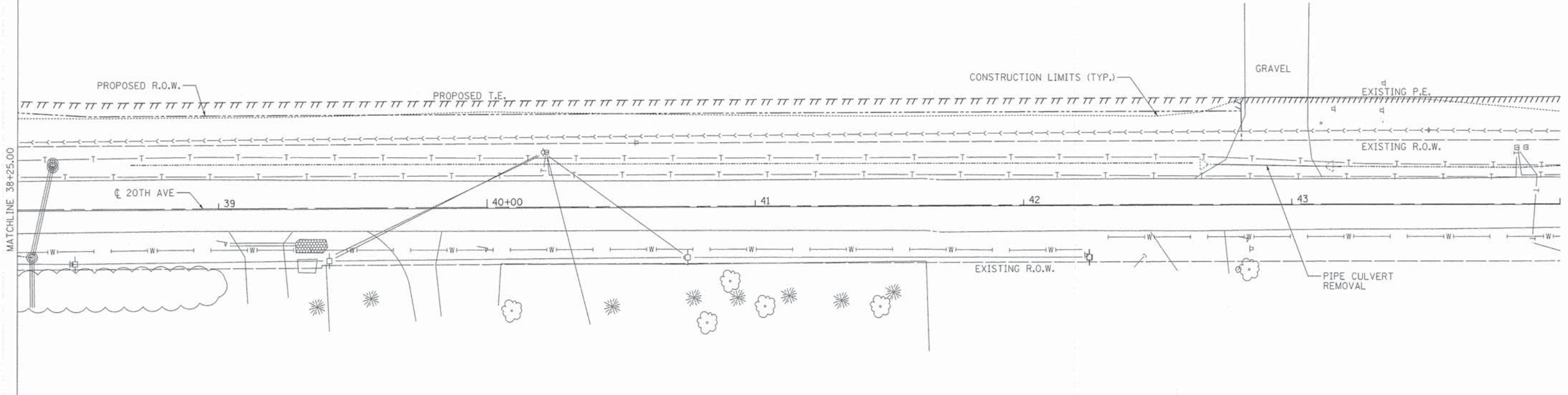
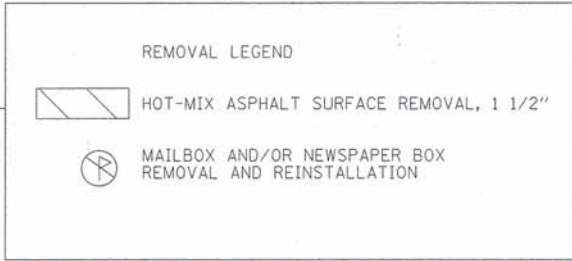
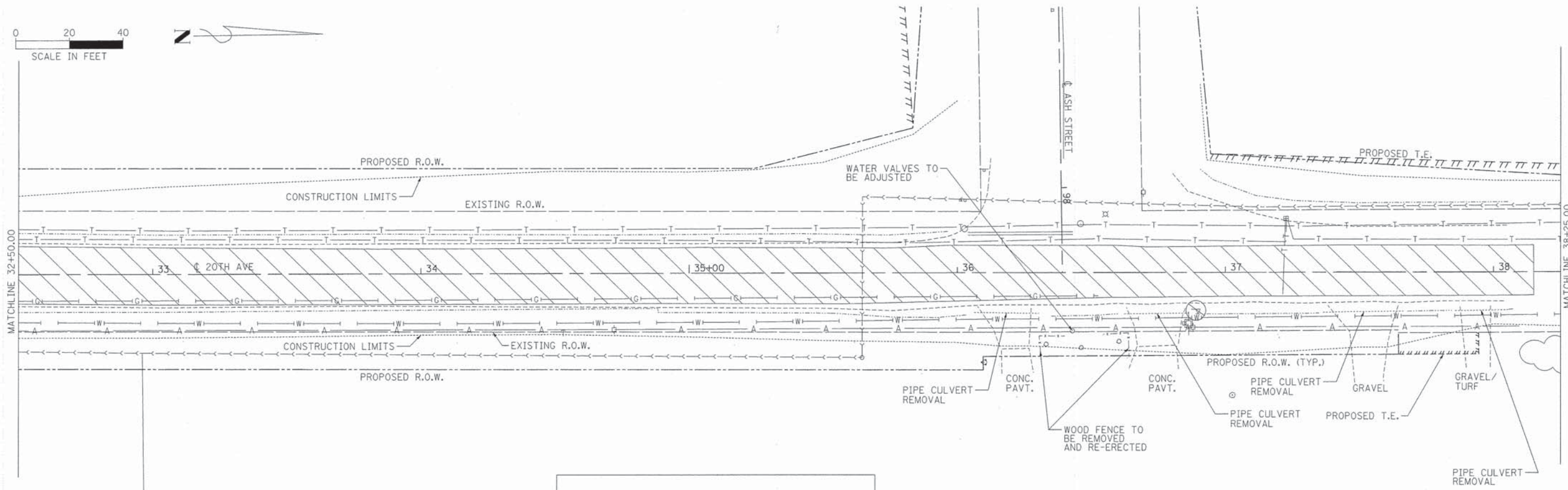
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STA. 21+00.00 TO STA. 32+50.00**
Project:
**ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION**

Client:
CITY OF CANTON, IL
Contract No.: **88471**

Designed By:
JDS
Drawn By:
WLL
Reviewed By:

Date:
20 October 2014
Project No.:
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No.	Date	Description

MAURER-STUTZ
ENGINEERS SURVEYORS
1115 N. DURELLAINE, SUITE 100 | PROLA, ILLINOIS 61464 | 1870 EAST ASH STREET | CANTON, ILLINOIS 61530
PH. (309) 697-7615 | FAX (309) 697-7616 | FAX (309) 647-4155
ILLINOIS PROFESSIONAL DESIGN FIRMS LICENSE 0184-00714
"WORKING WITH YOU BY DESIGN"

20TH AVE. REMOVAL
STA. 32+50.00 TO STA. 44+00.00
ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

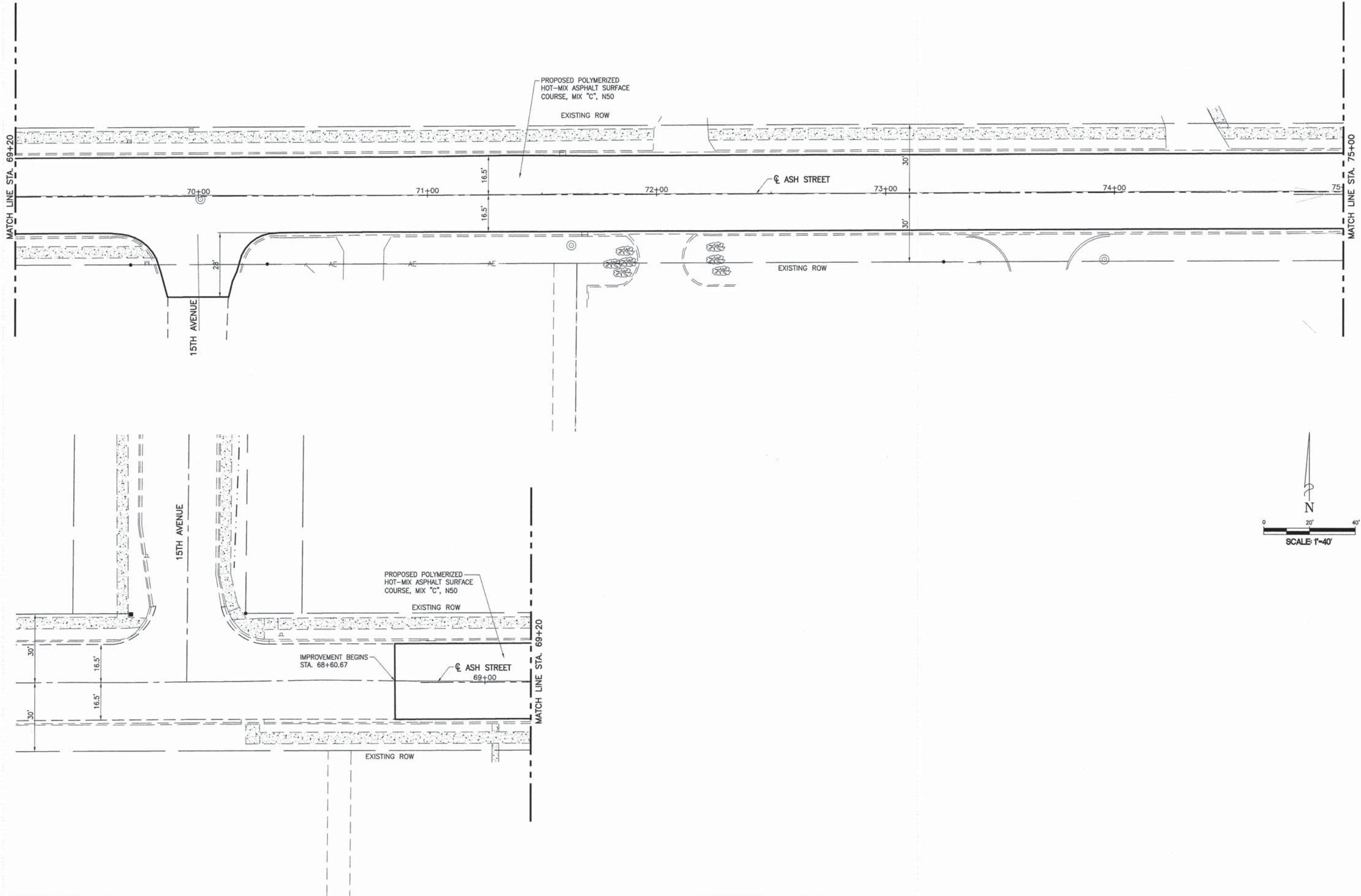
Client:
CITY OF CANTON, IL

Designed By:
JDS
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Date:
20 October 2014
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 Contract: 24714003

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REVISIONS	
No.	Description
1	12/02/14 Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

3115 N. BRIDGLAND, SUITE 100 | PROSA, ILLINOIS 61804 | 815.707.1811 | FAX 815.707.1812
PH. (815) 657-7615 | FAX (815) 657-7615 | ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000754
"WORKING WITH YOU BY DESIGN"

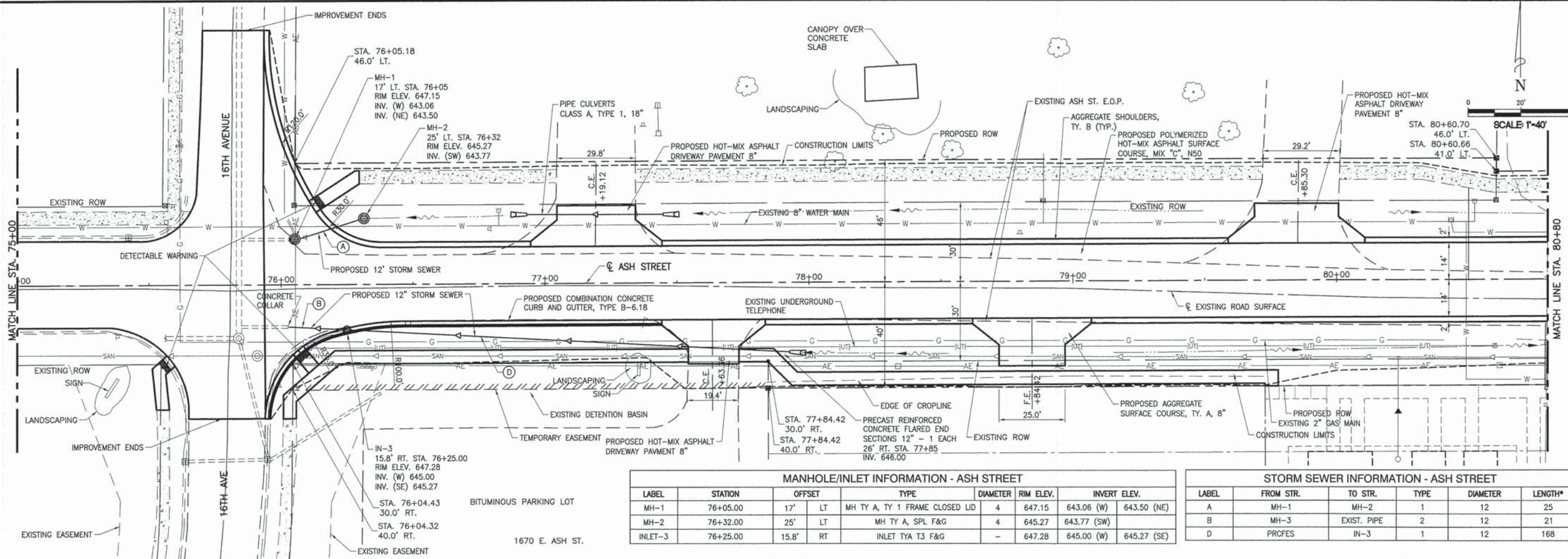
Sheet Title: **ASH ST. PLAN**
STA. 68+60.67 TO 75+00.00

Project: **ASH STREET IMPROVEMENTS - PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**

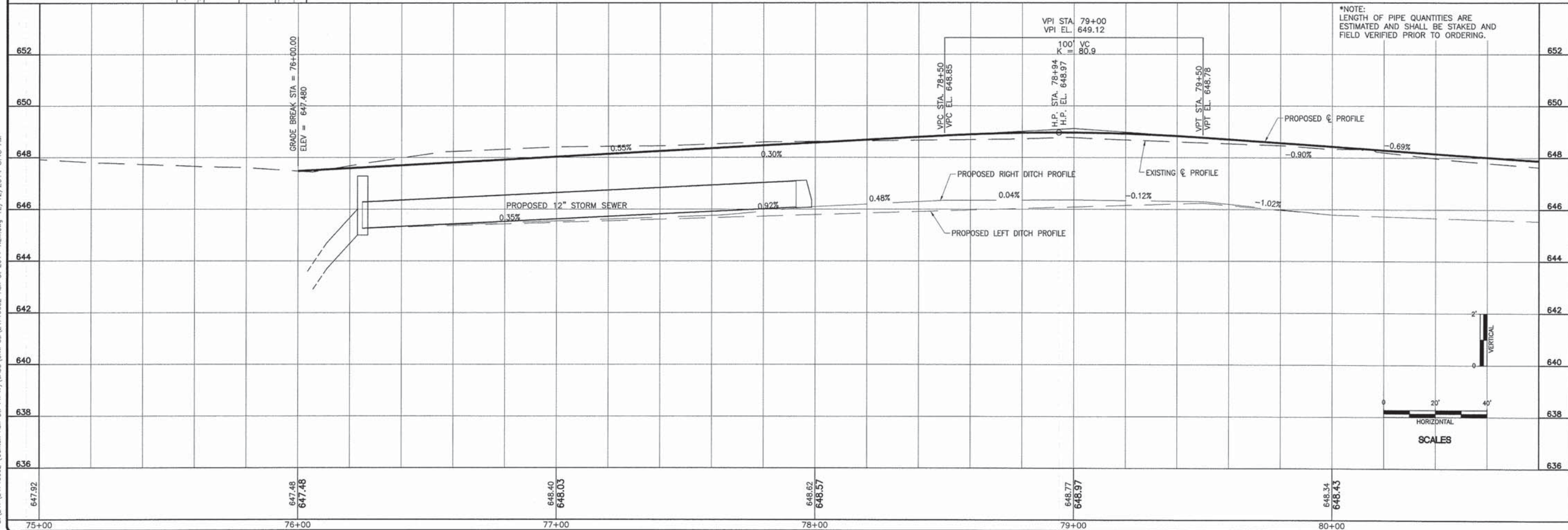
Contract No. **89471**

Designed By: **GBM**
Drawn By: **NDP**
Reviewed By: **KJP**
Date: **29 January 2014**
Project No.: **247-10002**
Drawing:



MANHOLE/INLET INFORMATION - ASH STREET						
LABEL	STATION	OFFSET		TYPE	DIAMETER	RIM ELEV.
MH-1	76+05.00	17'	LT	MH TY A, TY 1 FRAME CLOSED LID	4	647.15
MH-2	76+32.00	25'	LT	MH TY A, SPL F&G	4	645.27
INLET-3	76+25.00	15.8'	RT	INLET TYA T3 F&G	-	647.28

STORM SEWER INFORMATION - ASH STREET					
LABEL	FROM STR.	TO STR.	TYPE	DIAMETER	LENGTH*
A	MH-1	MH-2	1	12	25
B	MH-3	EXIST. PIPE	2	12	21
D	PROFES	IN-3	1	12	168



*NOTE: LENGTH OF PIPE QUANTITIES ARE ESTIMATED AND SHALL BE STAKED AND FIELD VERIFIED PRIOR TO ORDERING.



REVISIONS

No.	Date	Description
1	03/07/14	Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

3135 N. BRIERLANE SUITE 100 | PEORIA, ILLINOIS 61604 | 815.247.1002
 1401 W. BROADWAY SUITE 100 | CHICAGO, ILLINOIS 60606 | 312.467.1000
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000784
 "WORKING WITH YOU BY DESIGN"

ASH ST. PLAN AND PROFILE
STA. 75+00.00 TO 80+80.00

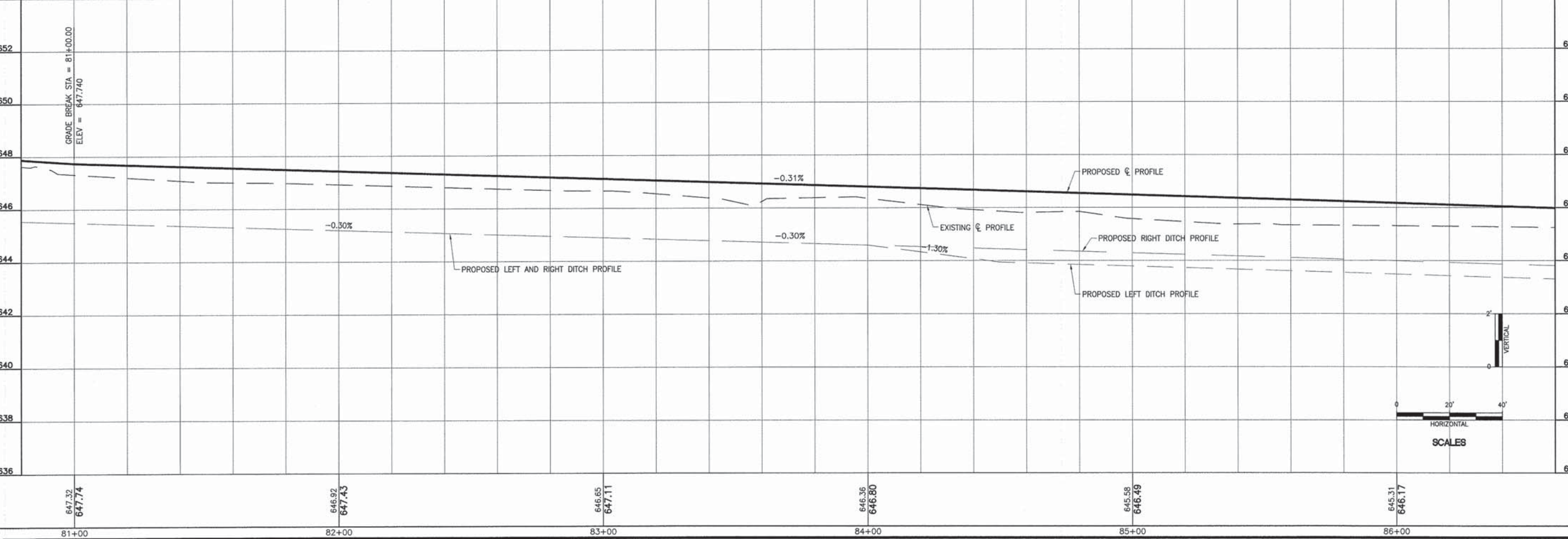
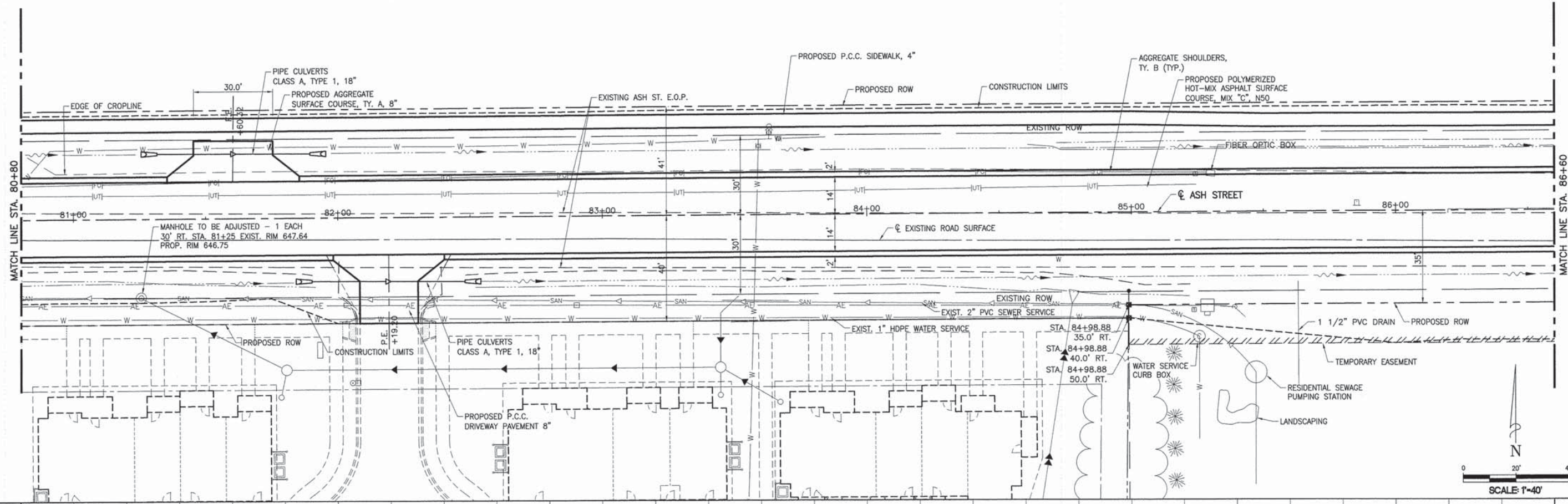
ASH STREET IMPROVEMENTS - PHASE IV AND 20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
 Contract No. 89471

Designed By: GBM
 Drawn By: NDP
 Reviewed By: KJP
 Date: 29 January 2014
 Project No.: 247-10002
 Drawing: 20 OF 70

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NO.	REVISIONS

MAURER-STUTZ
ENGINEERS SURVEYORS
3115 N. BROADWAY, SUITE 401, PEORIA, ILLINOIS 61604 | 3075 EAST 64TH STREET, CANTON, ILLINOIS 61820
PH: (309) 693-7033 | FAX: (309) 693-7034 | FAX: (309) 647-6458
ILLINOIS PROFESSIONAL DESIGN (PEM) LICENSE #144-007574
"WORKING WITH YOU BY DESIGN"

ASH ST. PLAN AND PROFILE
STA. 80+80.00 TO 86+60.00
ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

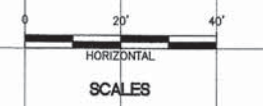
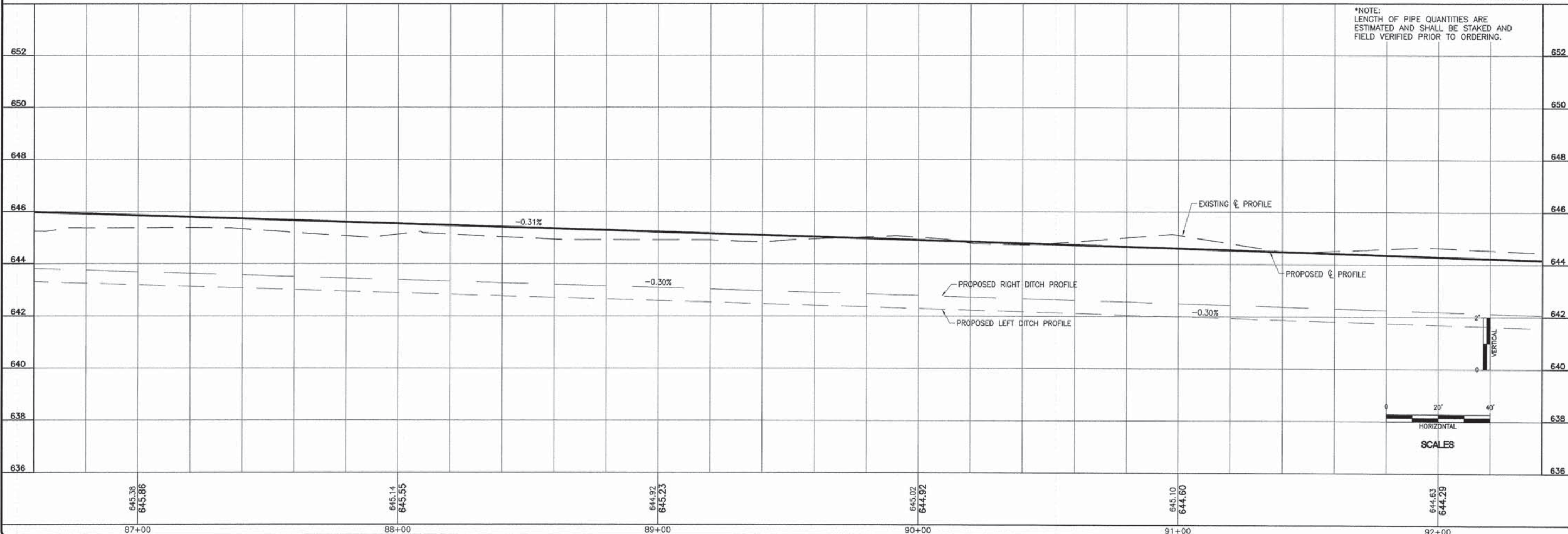
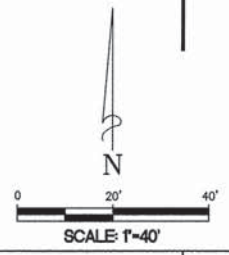
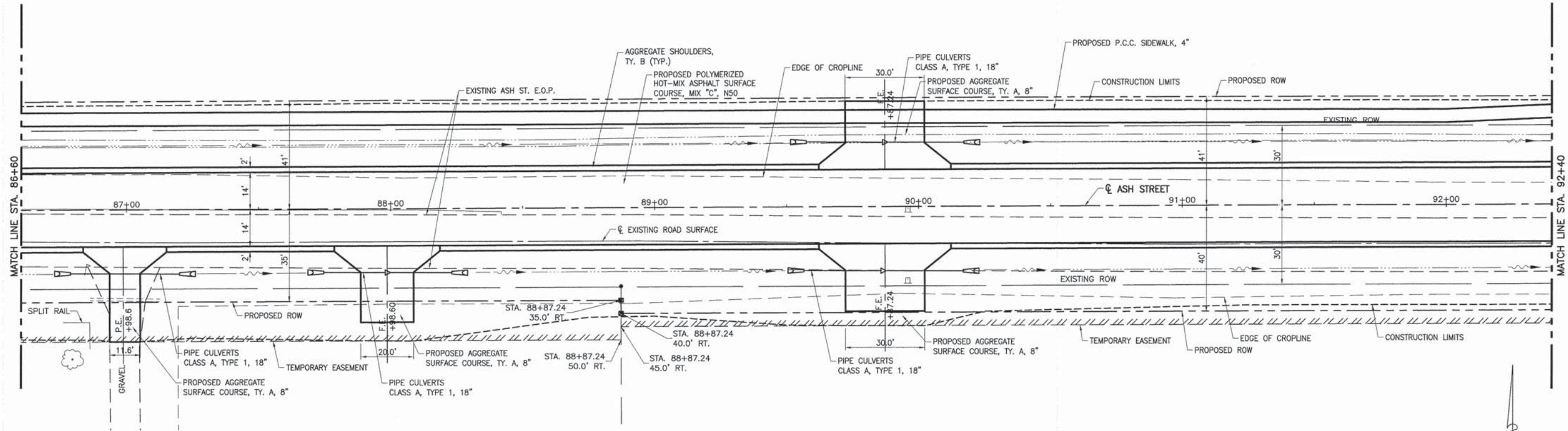
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CITY OF CANTON, IL

Client:
Contract No. 89471

Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:

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REVISIONS	
No.	Description
1	03/07/14 Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

3115 N. ORIELLANE, SUITE 100 | PROLOG, ILLINOIS 61804 3070 EAST ASH STREET | CANTON, ILLINOIS 61820
PH. (309) 693-7615 FAX (309) 693-7615 PH. (309) 647-7831 FAX (309) 647-4155
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-00754
"WORKING WITH YOU TO DESIGN"

ASH ST. PLAN AND PROFILE
STA. 86+60.00 TO 92+40.00

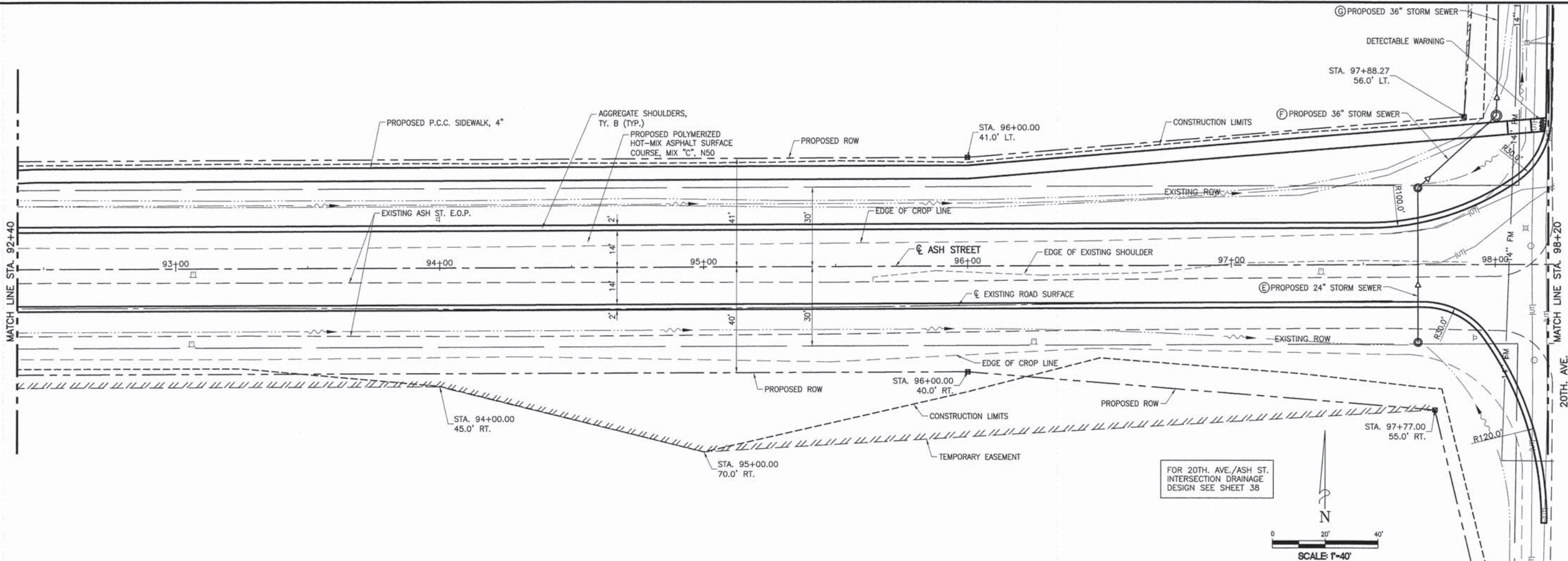
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Client: **CITY OF CANTON, IL**

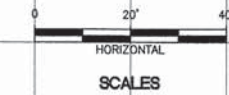
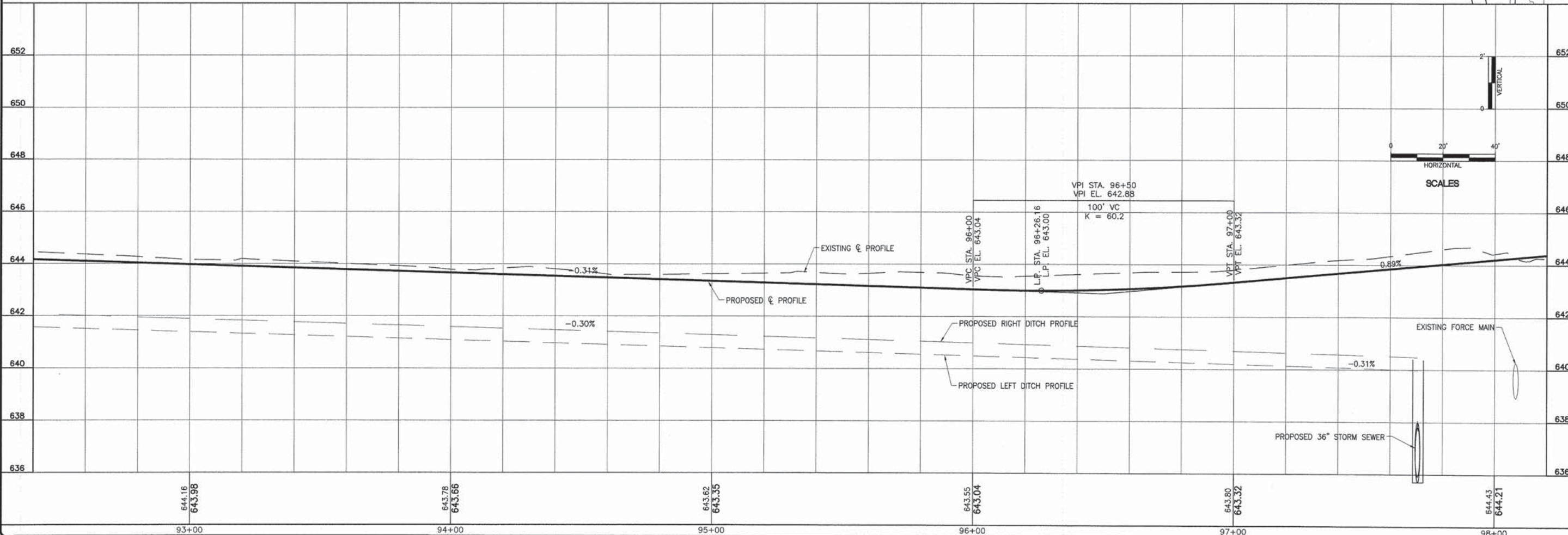
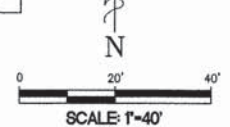
Contract No. **09471**

Designed By: **GBM**
Drawn By: **NDP**
Reviewed By: **KJP**
Date: **29 January 2014**
Project No.: **247-10002**
Drawing:

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FOR 20TH. AVE./ASH ST. INTERSECTION DRAINAGE DESIGN SEE SHEET 38



REVISIONS	
No.	Description
1	03/07/14 Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

3116 N. BIRCH LANE, SUITE 100 | PEBODIA, ILLINOIS 61804 | 3875 EAST ASH STREET | CANTON, ILLINOIS 61830
PH: (309) 692-7635 | FAX: (309) 692-7638 | PH: (309) 647-7031 | FAX: (309) 647-6535
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000754
"WORKING WITH YOU BY DESIGN"

ASH ST. PLAN AND PROFILE
STA. 92+40.00 TO 98+20.00

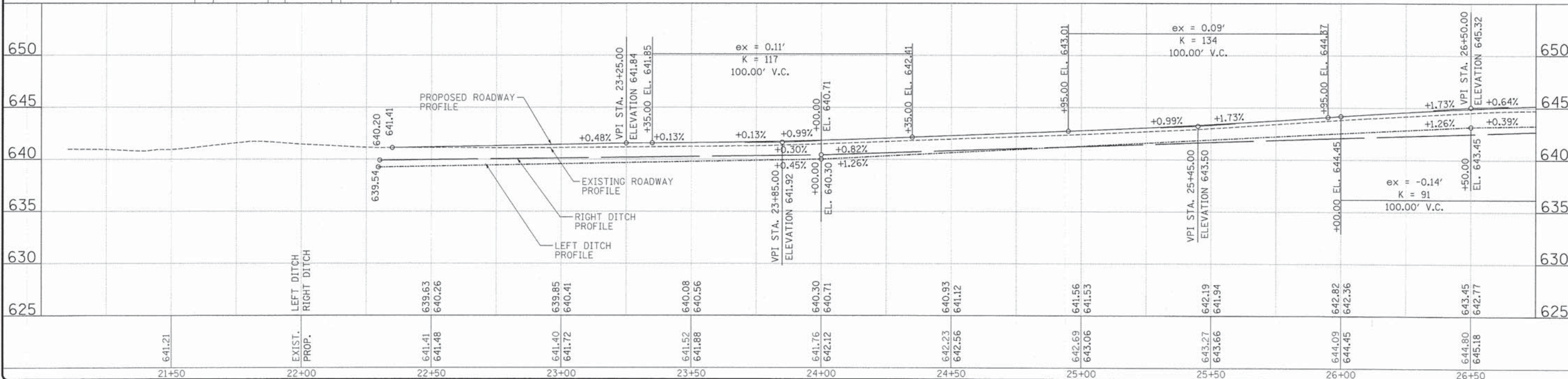
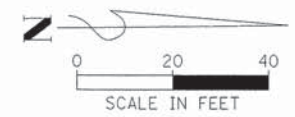
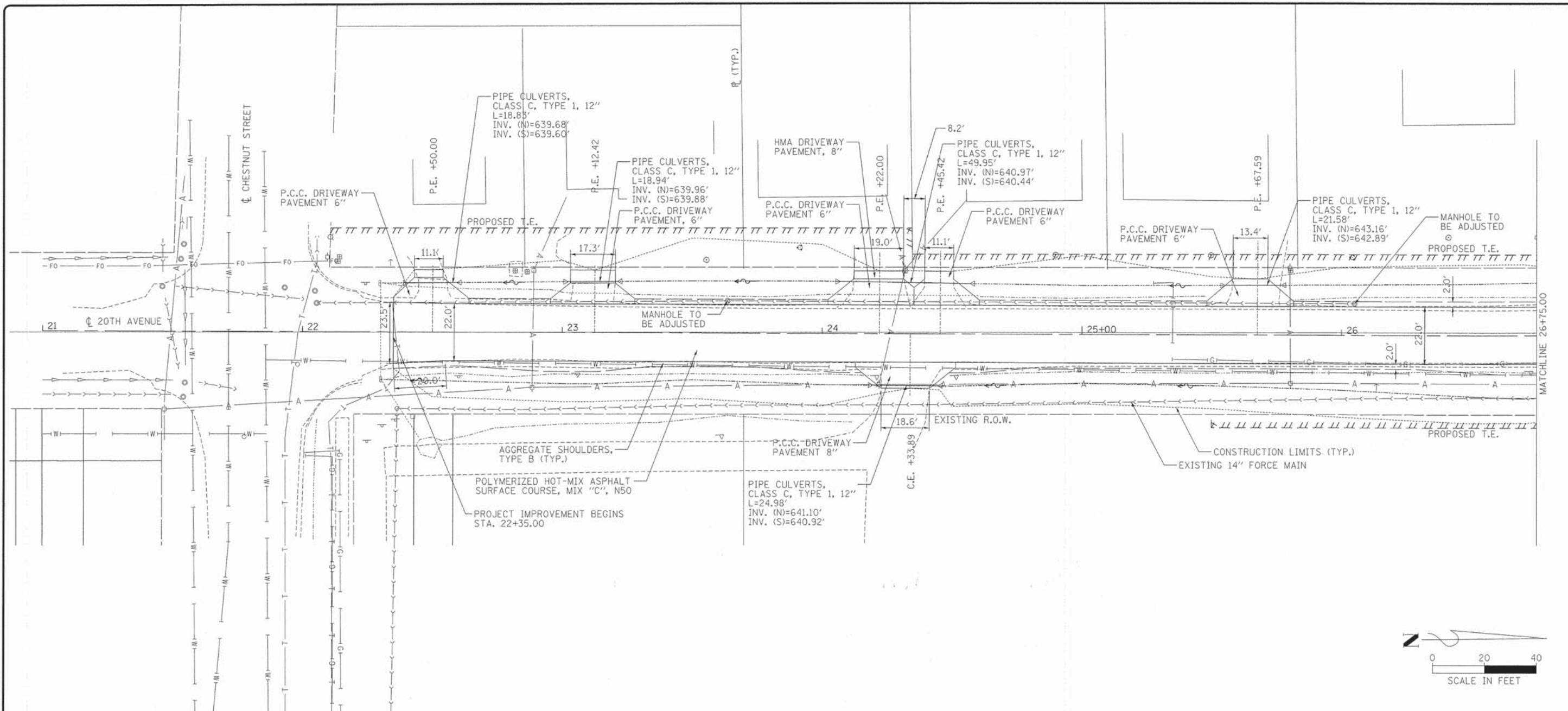
ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
Contract No. 89471

Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:

23 OF 70

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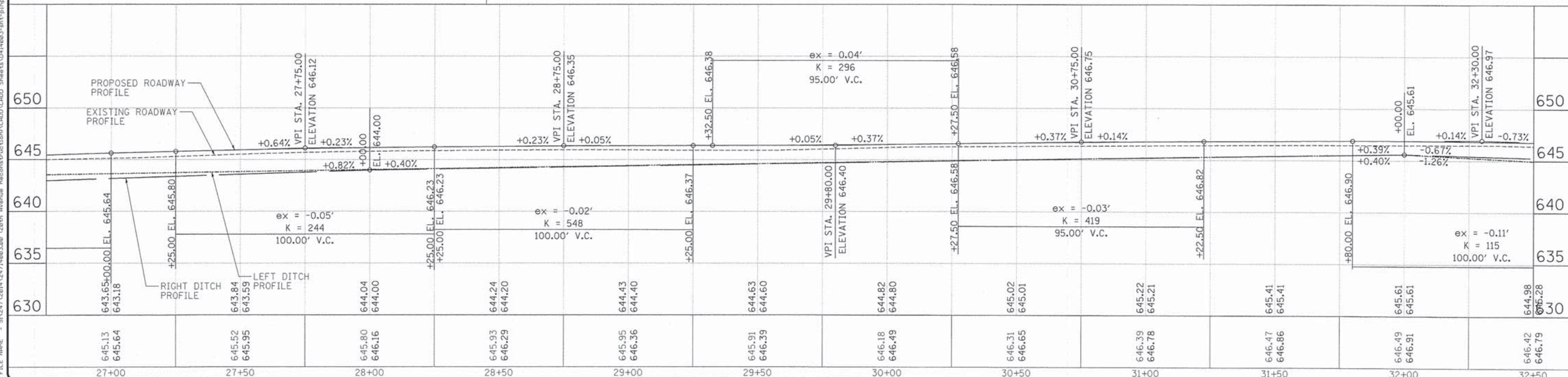
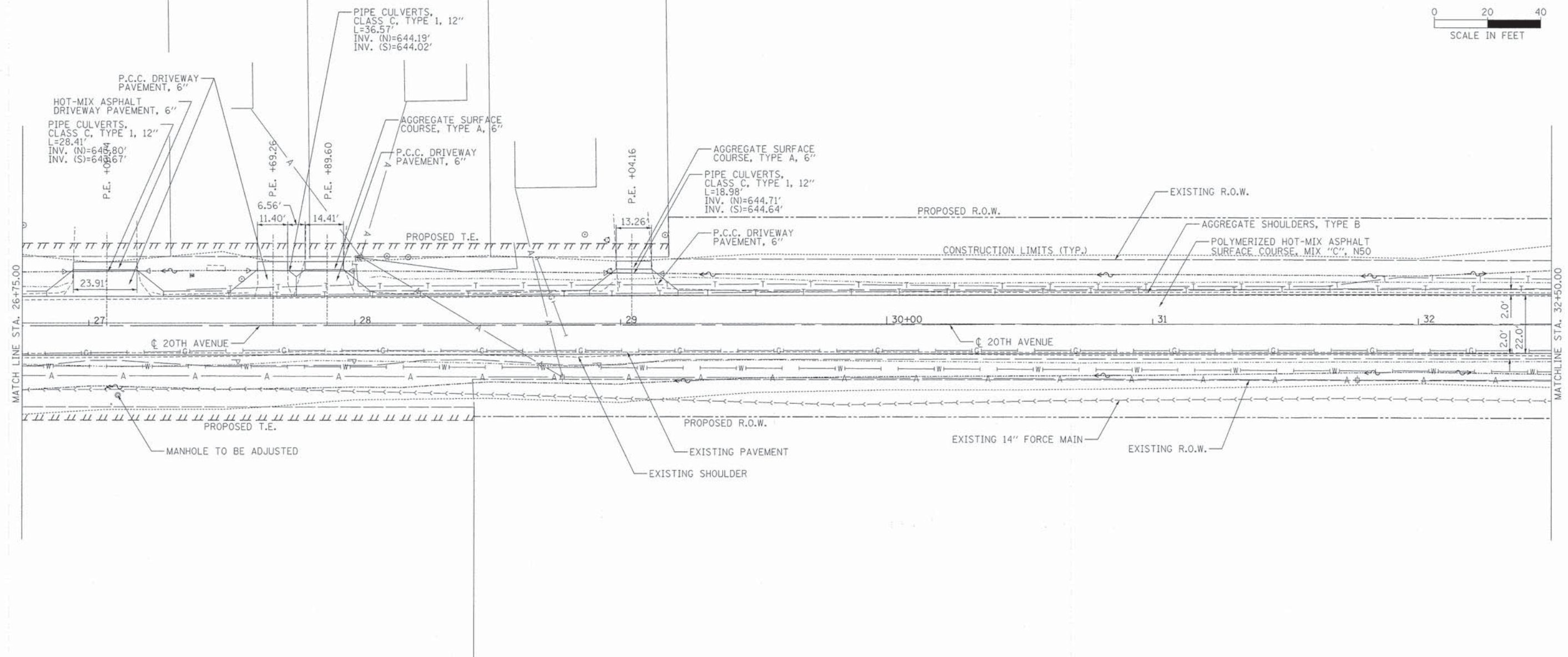
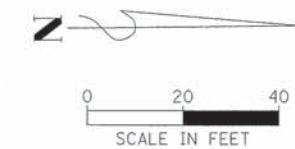


REV. NO.	DATE	DESCRIPTION

MAURER-STUTZ
 ENGINEERS & SURVEYORS
 8133 N. DREXEL LAKE, SUITE 100 | FORMAL, ILLINOIS 61604 | 1870 EAST ASH STREET | CANTON, ILLINOIS 61820
 PH. (309) 693-7315 | FAX (309) 693-7316 | PH. (309) 647-2821 | FAX (309) 647-4535
 ILLINOIS PROFESSIONAL ENGINEERING LICENSE #184-00374
 WORKING with YOU by DESIGN

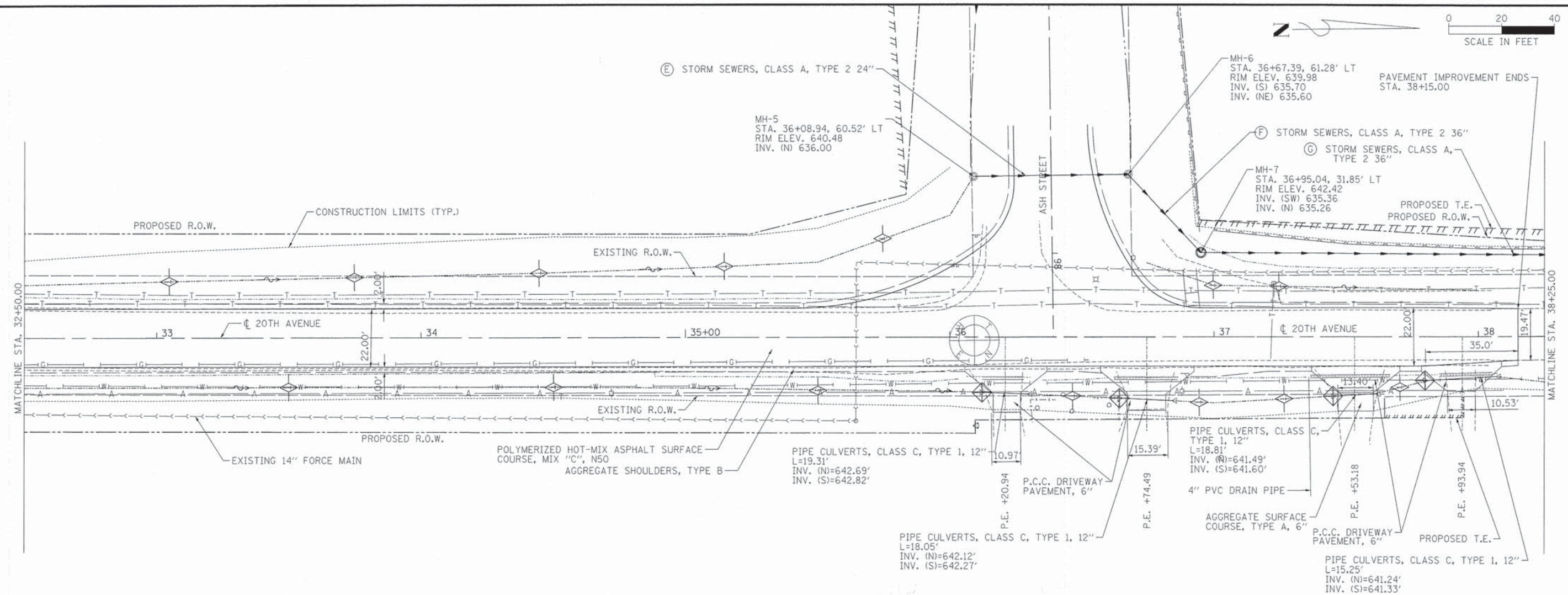
Sheet Title:
20TH AVE. PLAN AND PROFILE
STA. 21+00.00 STA. 26+75.00
 Project:
ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

Client:
CITY OF CANTON, IL
 F.A. RTE.: **FULTON**
 SECTION: **CONTRACT NO. 89471**
 Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:
24 OF 70



REVISIONS No. DATE DESCRIPTION	
MAURER-STUTZ ENGINEERS SURVEYORS 3116 N. GREEN LANE, SUITE 100 PEORIA, ILLINOIS 61604 3079 EAST ASH STREET CANTON, ILLINOIS 61530 PH. (309) 692-7831 FAX (309) 692-7838 PH. (309) 647-7831 FAX (309) 647-4335 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000754 WORKING WITH YOU BY DESIGN	
20TH AVE. PLAN AND PROFILE STA. 26+75.00 TO STA. 32+50.00 ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION	
Client: CITY OF CANTON, IL F.A. RTE.: COUNTY: FULTON SECTION: CONTRACT NO. 89471	Project:
Sheet Title:	Drawing:
Designed By: JDS Drawn By: WLL Reviewed By:	Date: 20 October 2014 Project No.: 24714003
25 OF 70	645.13 645.64 645.52 645.95 645.80 646.16 645.93 646.29 644.43 644.40 644.63 644.60 646.18 646.49 646.31 646.65 646.39 646.78 646.47 646.86 646.49 646.91 644.42 646.79

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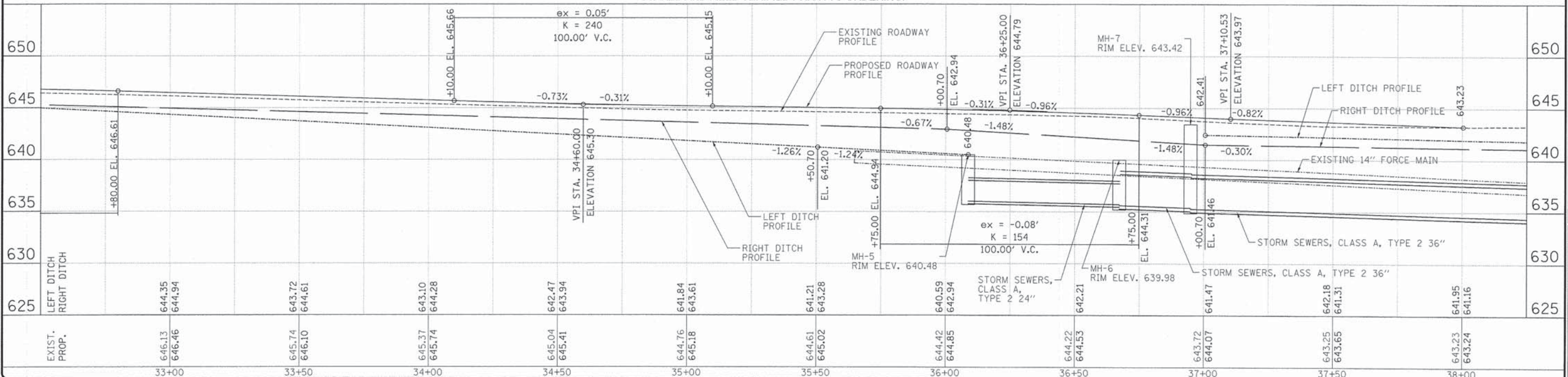
STORM SEWER INFORMATION - 20TH AVE

LABEL	FROM STR.	TO STR.	TYPE	DIAMETER	LENGTH
E	MH-5	MH-6	2	24"	57'
F	MH-6	MH-7	2	36"	40'
G	MH-7	MH-8	2	36"	242'

MANHOLE INFORMATION - 20TH AVE

LABEL	STATION	OFFSET	TYPE	DIAMETER	RIM ELEV.	INVERT ELEV.
MH-5	36+08.94	60.52' LT	TY A, SPL F&G	5'	640.48	636.00 (N)
MH-6	36+67.39	61.28' LT	TY A, SPL F&G	5'	639.98	635.70 (S) 635.60 (NE)
MH-7	36+95.04	31.85' LT	TY A, TY 1 FRAME CLOSED LID	5'	642.42	635.36 (SW) 635.26 (N)

* LENGTH OF PIPE QUANTITIES ARE ESTIMATED AND SHALL BE STAKED AND FIELD VERIFIED PRIOR TO ORDERING.



REVISIONS

No.	Date	Description

MAURER-STUTZ
ENGINEERS SURVEYORS

1118 N. BRIDGELANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 815.247.1111 | FAX 815.247.1112
1070 EAST ASH STREET | CANTON, ILLINOIS 61820
PH. (309) 692-7615 | FAX (309) 693-7616 | ILLINOIS PROFESSIONAL DESIGN FIRMS LICENSE 0884-00754
"WORKING WITH YOU BY DESIGN"

20TH AVE. PLAN AND PROFILE
STA. 32+50.00 TO STA. 38+25.00

ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

Sheet Title:
Project:

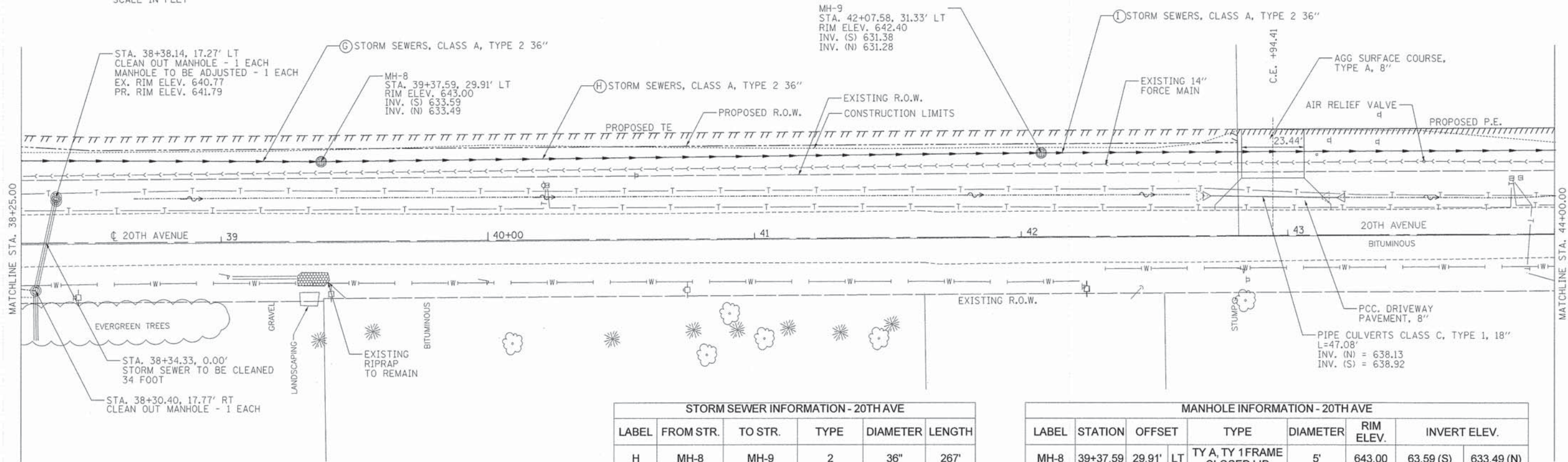
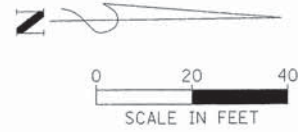
Client: **CITY OF CANTON, IL**

F.A. RTE.: **FULTON** SECTION: **CONTRACT NO. 89471**

Designed By: **JDS**
Drawn By: **WLL**
Reviewed By:

Date: **20 October 2014**
Project No.: **24714003**
Drawing:

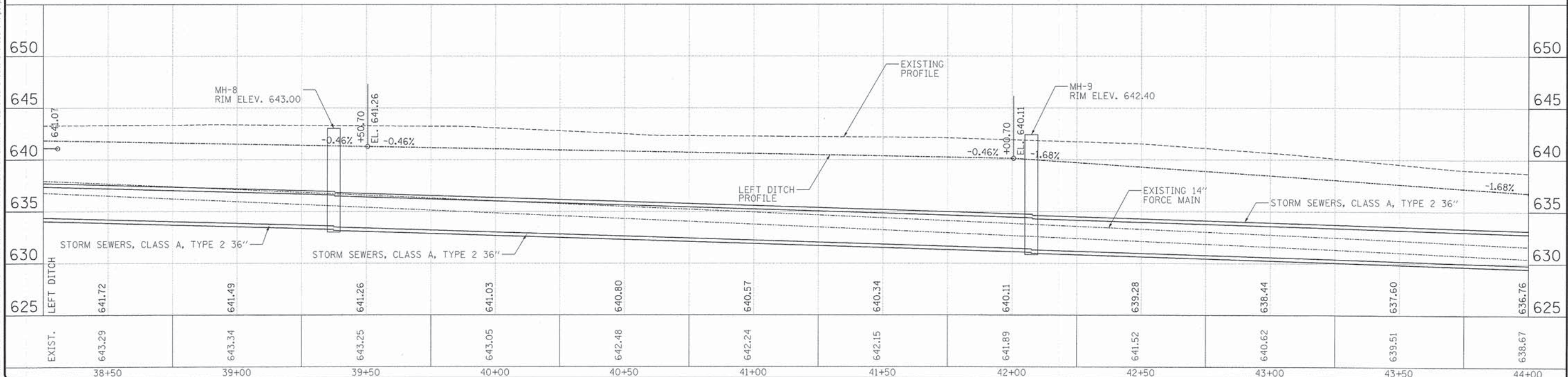
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STORM SEWER INFORMATION - 20TH AVE				
LABEL	FROM STR.	TO STR.	TYPE	LENGTH
H	MH-8	MH-9	2	36"
I	MH-9	MH-10	2	36"

* LENGTH OF PIPE QUANTITIES ARE ESTIMATED AND SHALL BE STAKED AND FIELD VERIFIED PRIOR TO ORDERING.

MANHOLE INFORMATION - 20TH AVE						
LABEL	STATION	OFFSET	TYPE	DIAMETER	RIM ELEV.	INVERT ELEV.
MH-8	39+37.59	29.91' LT	TY A, TY 1 FRAME CLOSED LID	5'	643.00	63.59 (S) 633.49 (N)
MH-9	42+07.58	31.33' LT	TY A, TY 1 FRAME CLOSED LID	5'	642.40	631.38 (S) 631.28 (NW)



REVISIONS

No.	Date	Description

MAURER-STUTZ
ENGINEERS SURVEYORS

1315 N. ORIELAUX SUITE 100 | PEORIA, ILLINOIS 61606 | 3075 EAST 45th STREET | CANTON, ILLINOIS 61520
PH (309) 692-7933 | FAX (309) 693-2046 | 3075 EAST 45th STREET | CANTON, ILLINOIS 61520
PH (309) 692-7933 | FAX (309) 693-2046 | 3075 EAST 45th STREET | CANTON, ILLINOIS 61520
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-00774

20TH AVE. PLAN AND PROFILE
STA. 38+25.00 STA. 44+00.00

ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

Project Title:
Project:

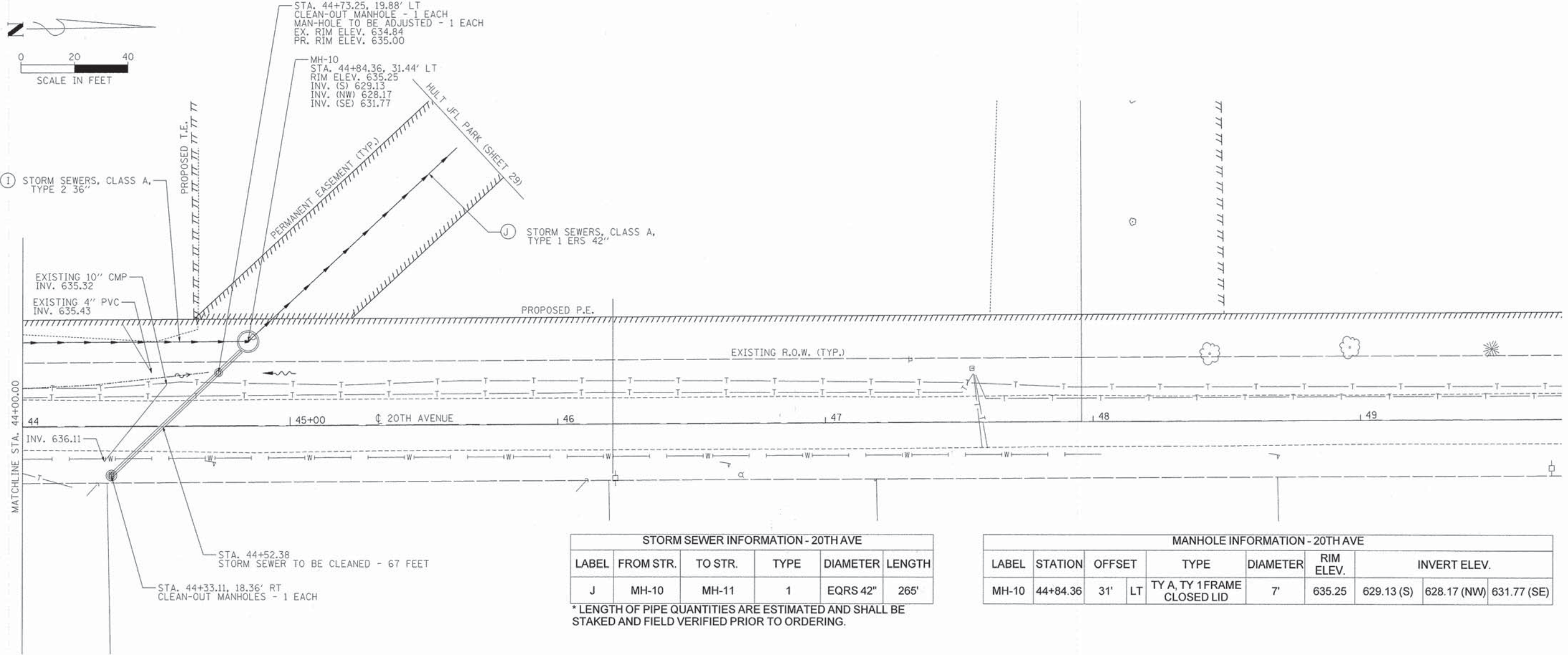
Client: **CITY OF CANTON, IL**

F.A. RTE.: **FULTON** SECTION: **CONTRACT NO. 89471**

Designed By: **JDS**
Drawn By: **WLL**
Reviewed By:

Date: **20 October 2014**
Project No.: **24714003**
Drawing:

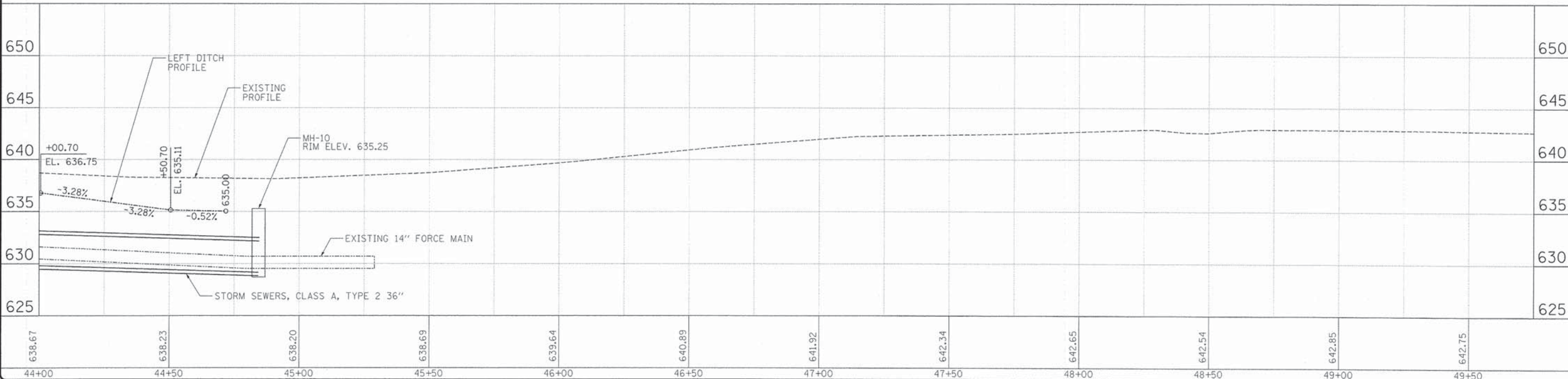
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LABEL	FROM STR.	TO STR.	TYPE	DIAMETER	LENGTH
J	MH-10	MH-11	1	EQRS 42"	265'

LABEL	STATION	OFFSET	TYPE	DIAMETER	RIM ELEV.	INVERT ELEV.		
MH-10	44+84.36	31' LT	TY A, TY 1 FRAME CLOSED LID	7'	635.25	629.13 (S)	628.17 (NW)	631.77 (SE)

* LENGTH OF PIPE QUANTITIES ARE ESTIMATED AND SHALL BE STAKED AND FIELD VERIFIED PRIOR TO ORDERING.



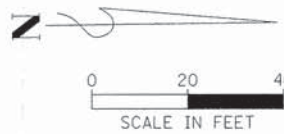
No.	Date	Description

MAURER-STUTZ
ENGINEERS SURVEYORS
1115 N. DUREL LANE, SUITE 100 | FORTIA, ILLINOIS 61604
PH. (815) 647-7811 | FAX (815) 647-6155
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-00754
"WORKING with YOU by DESIGN"

20TH AVE. PLAN AND PROFILE
STA. 44+00.00 TO STA. 49+75.00
ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
F.A. RTE.: COUNTY: FULTON
SECTION: CONTRACT NO. 89471
Designed By: JDS
Drawn By: WLL
Reviewed By:
Date: 20 October 2014
Project No.: 24714003
Drawing:
28 OF 70

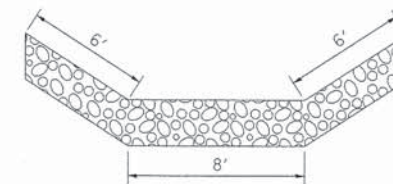
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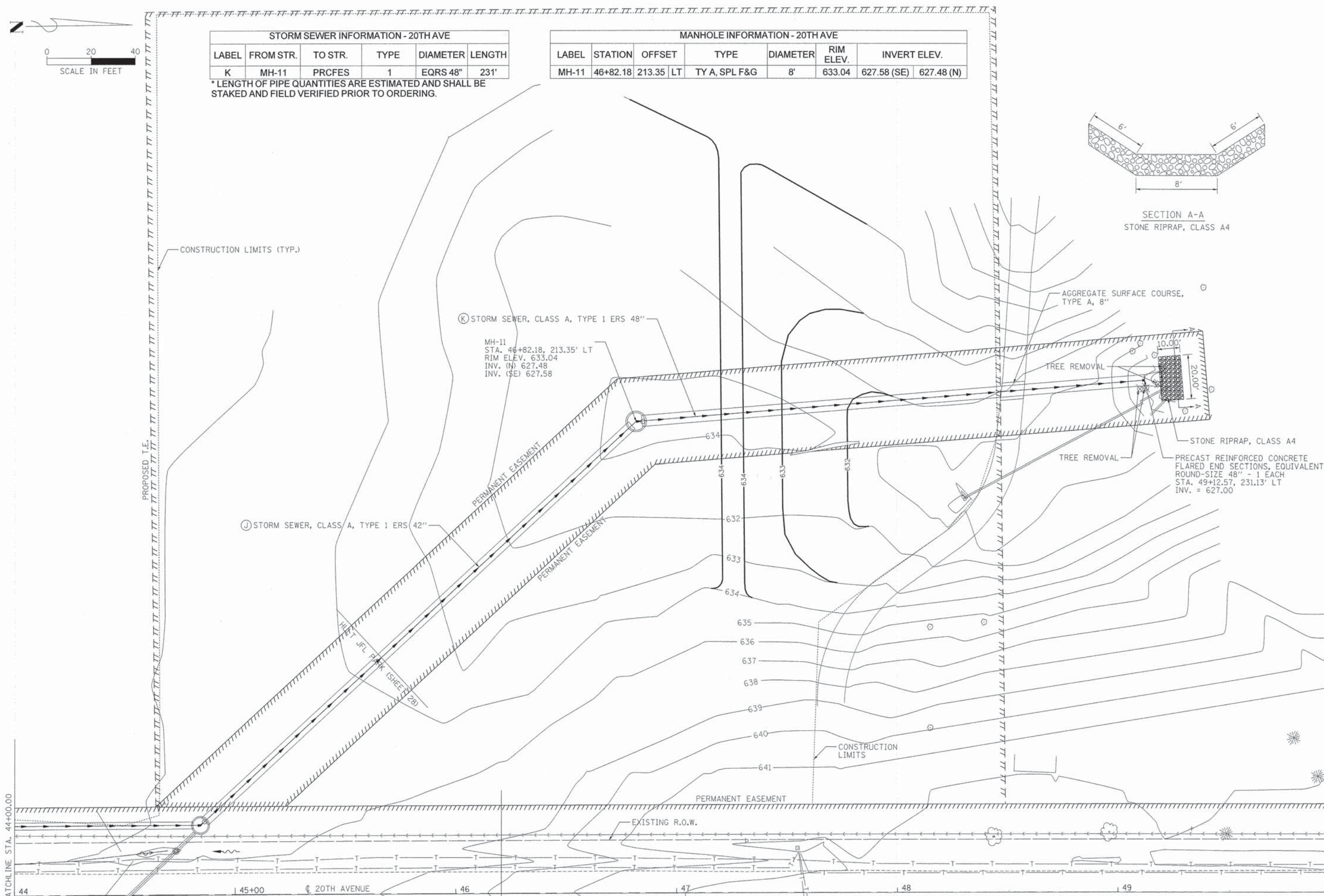
STORM SEWER INFORMATION - 20TH AVE					
LABEL	FROM STR.	TO STR.	TYPE	DIAMETER	LENGTH
K	MH-11	PRCFES	1	EQRS 48"	231'

* LENGTH OF PIPE QUANTITIES ARE ESTIMATED AND SHALL BE STAKED AND FIELD VERIFIED PRIOR TO ORDERING.

MANHOLE INFORMATION - 20TH AVE						
LABEL	STATION	OFFSET	TYPE	DIAMETER	RIM ELEV.	INVERT ELEV.
MH-11	46+82.18	213.35 LT	TY A, SPL F&G	8'	633.04	627.58 (SE) 627.48 (N)



SECTION A-A
STONE RIPRAP, CLASS A4



CONSTRUCTION LIMITS (TYP.)

Ⓚ STORM SEWER, CLASS A, TYPE 1 ERS 48"
MH-11
STA. 46+82.18, 213.35' LT
RIM ELEV. 633.04
INV. (N) 627.48
INV. (SE) 627.58

ⓐ STORM SEWER, CLASS A, TYPE 1 ERS 42"

AGGREGATE SURFACE COURSE, TYPE A, 8"

TREE REMOVAL

TREE REMOVAL

STONE RIPRAP, CLASS A4

PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 48" - 1 EACH
STA. 49+12.57, 231.13' LT
INV. = 627.00

CONSTRUCTION LIMITS

PERMANENT EASEMENT

EXISTING R.O.W.

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MATCHLINE STA. 44+00.00

44 45+00 20TH AVENUE 46 47 48 49

REVISIONS

No.	Date	Description

MAURER-STUTZ
ENGINEERS SURVEYORS
1115 N. DURELANE, SUITE 100 | FORT LAUDERDALE, FL 33304
PH. (954) 692-7615 | FAX (954) 692-7616
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #044-000714
"WORKING with YOU by DESIGN"

20TH AVE. PLAN & PROFILE
JFL PARK

ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

Sheet Title: _____
Project: _____

Client: CITY OF CANTON, IL

Contract No. 89471

Designed By: JDS
Drawn By: WLL
Reviewed By: _____

Date: 20 October 2014
Project No.: 24714003
Drawing: _____

29 OF 70

GENERAL ACCESS NOTES:

1. POSITIVE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
2. USE AGGREGATE FOR TEMPORARY ACCESS AT DRIVEWAYS AND HOT MIX INCIDENTAL SURFACING AT SIDE STREETS AS REQUIRED TO MAINTAIN ACCESS.
3. TRAFFIC CONTROL SHALL CONFORM TO STANDARDS 701501, BLR-21, BLR-22, AND AS SHOWN ON THE PLANS. ALL REQUIRED SIGNS SHOWN IN STAGING PLANS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL PAY ITEMS.
4. TEMPORARY DRAINAGE DURING CONSTRUCTION STAGES WILL BE CONDUCTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
5. ACCESS TO ALL BUSINESS AND RESIDENCES IMPACTED BY CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY CLOSURE OF ACCESS MUST BE AGREED TO IN WRITING BY THE PROPERTY OWNER AND A COPY SUBMITTED TO THE ENGINEER.
6. ALL TRAFFIC CONTROL SIGNS SHOWN IN THESE PLANS ARE FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH APPLICABLE TRAFFIC CONTROL STANDARDS.

SUGGESTED SEQUENCE OF CONSTRUCTION:

STAGE 1

TRAFFIC CONTROL

CLOSE ASH STREET FROM JUST EAST OF THE ENTRANCE TO ASHLAND PLACE APARTMENTS TO 20TH AVE. ALL SIGNS SHALL BE ERECTED AS SHOWN ON MAINTENANCE OF TRAFFIC PLAN. ROAD CLOSURES SHALL BE SET PER STANDARD BLR-21, BLR-22, AND AS SHOWN IN THE PLANS. NO TRAFFIC WILL BE ALLOWED IN THIS AREA EXCEPT ACCESS TO 1650 E. ASH STREET SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE ACCESS WITH THE PROPERTY OWNER.

CONSTRUCTION

THE CONTRACTOR WILL BE ALLOWED TO REMOVE THE EXISTING PAVEMENT ON ASH STREET AND STORM SEWER ON 20TH AVENUE. THE CONTRACTOR SHALL CONSTRUCT THE NEW ROADWAY INCLUDING AGGREGATE SUBGRADE IMPROVEMENT UP TO THE TOP LIFT OF BINDER COURSE.

STAGE 2

TRAFFIC CONTROL

ALL SIGNS SHALL BE ERECTED AS SHOWN ON MAINTENANCE OF TRAFFIC PLAN. ROAD CLOSURES SHALL BE SET UP PER STANDARD BLR-21, BLR-22, AND AS SHOWN IN THE PLANS. VERTICAL BARRICADES AT 50' CENTERS OR VERTICAL PANELS AT 100' CENTERS SHALL BE PLACED AT STAGE CONSTRUCTION LINE PER STANDARD 701501. LOCAL ACCESS ONLY TRAFFIC WILL BE ALLOWED TO TRAVEL IN ONLY ONE DIRECTION IN THE RIGHT LANE FROM WEST TO EAST ON ASH STREET.

CONSTRUCTION

THE CONTRACTOR WILL BE ALLOWED TO REMOVE THE EXISTING PAVEMENT AND CONSTRUCT THE NEW ROADWAY INCLUDING AGGREGATE SUBGRADE IMPROVEMENT UP TO THE TOP LIFT OF BINDER COURSE ON THE LEFT SIDE OF CENTERLINE ONLY. ALL EXISTING PAVEMENT RIGHT OF CENTERLINE WILL REMAIN IN PLACE TO BE USED FOR TEMPORARY ACCESS.

STAGE 3

TRAFFIC CONTROL

ALL SIGNS FROM STAGE 2 SHALL REMAIN IN PLACE. VERTICAL BARRICADES AT 50' CENTERS OR VERTICAL PANELS AT 100' CENTERS SHALL BE PLACED AT STAGE CONSTRUCTION LINE PER STANDARD 701501. LOCAL ACCESS ONLY TRAFFIC WILL BE ALLOWED TO TRAVEL IN ONLY ONE DIRECTION IN THE LEFT LANE FROM WEST TO EAST ON ASH STREET.

CONSTRUCTION

THE CONTRACTOR WILL BE ALLOWED TO REMOVE THE EXISTING PAVEMENT AND CONSTRUCT THE NEW ROADWAY INCLUDING AGGREGATE SUBGRADE IMPROVEMENT UP TO THE TOP LIFT OF BINDER COURSE ON THE RIGHT SIDE OF CENTERLINE ONLY. PAVEMENT CONSTRUCTION IN STAGE 2 LEFT OF CENTERLINE WILL BE USED FOR TEMPORARY ACCESS.

STAGE 4

TRAFFIC CONTROL

ALL SIGNS AND BARRICADES FROM STAGES 2 AND 3 SHALL BE REMOVED.

CONSTRUCTION

REMAINING ROADWAY WORK INCLUDING MILLING ON ASH STREET FROM 15TH TO 16TH, MILLING ON 20TH AVENUE, AGGREGATE SHOULDERS, AND SURFACE COURSE SHALL BE CONSTRUCTED USING STANDARD 701501.

NOTE:

1. THE CONTRACTOR SHALL NOTIFY ALL EMERGENCY, SCHOOL, AND POSTAL SERVICES OF ANY CHANGES TO TRAFFIC PATTERNS OR LANE WIDTHS TWO WEEKS PRIOR TO THE WORK.
2. THE CONTRACTOR MAY CONSTRUCT 20TH AVENUE CONCURRENT WITH ANY STAGE USING HIGHWAY STANDARDS 701326 AND 701501.

REV. NO.	DATE	DESCRIPTION

MAURER-STUTZ
ENGINEERS SURVEYORS

3115 N. ASHLAND AVE. SUITE 401 | PEORIA, ILLINOIS 61604 | 3075 ASH ST. STREET CONTROL, ILLINOIS 61520
PH: (309) 693-2133 | FAX: (309) 693-2146 | PK: (309) 647-7333 | FAX: (309) 647-7338
ILLINOIS PROFESSIONAL DESIGN FIRMS LICENSE #184-00754
"WORKING WITH YOU BY DESIGN"

Sheet Title: **ASH ST. MOT PLAN STAGING NOTES**

Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

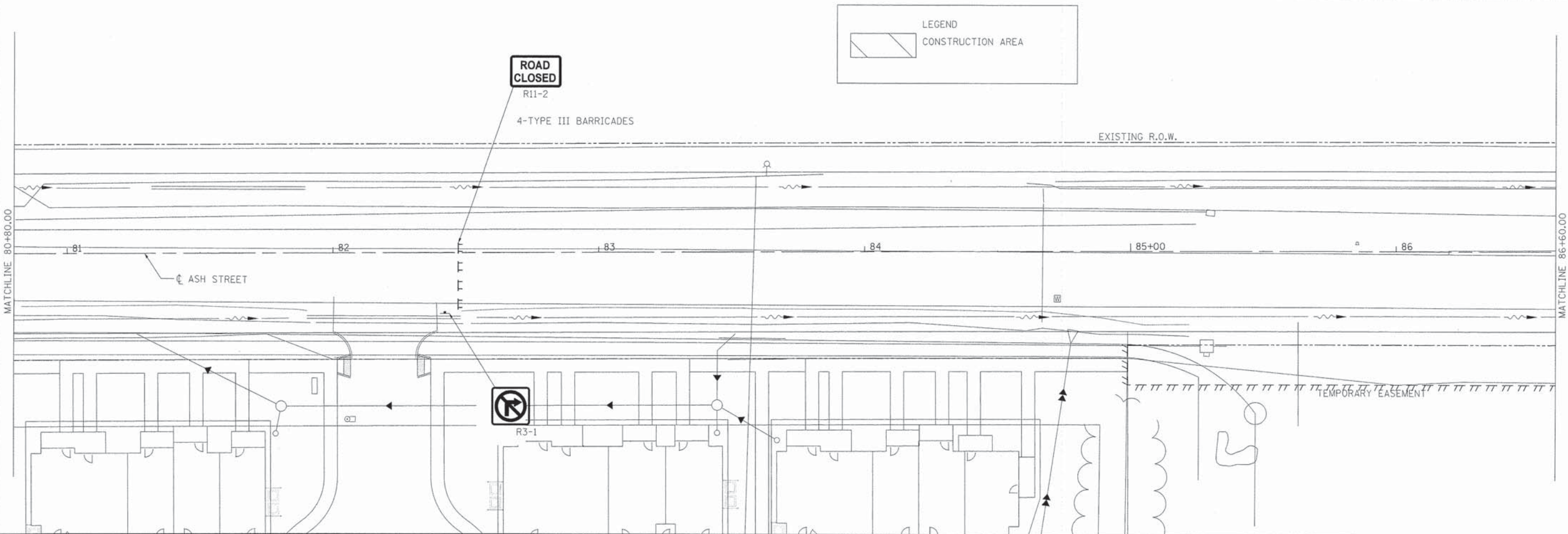
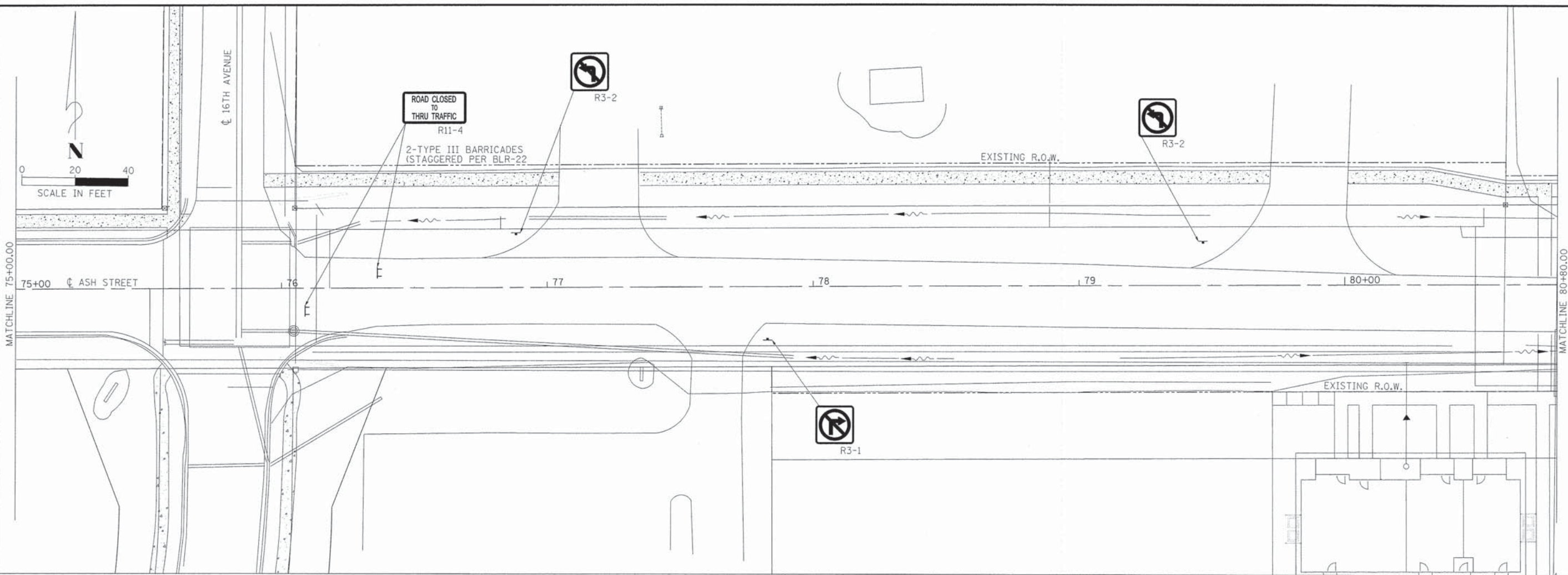
Client: **CITY OF CANTON, IL**

CONTRACT NO. 89471

Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:

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REV.	DATE	DESCRIPTION

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3115 N. SHELLENS GATE RD. | P.O. BOX 6064 | 2075 ASH AVE STREET | CANTON, ILLINOIS 61820
 PH. (309) 452-7655 | FAX (309) 452-7656 | (309) 452-7657 | (309) 452-7658

Sheet Title: **ASH ST. MOT PLAN STAGE 1**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 Contract No. **89471**

Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:

NO.	DATE	DESCRIPTION

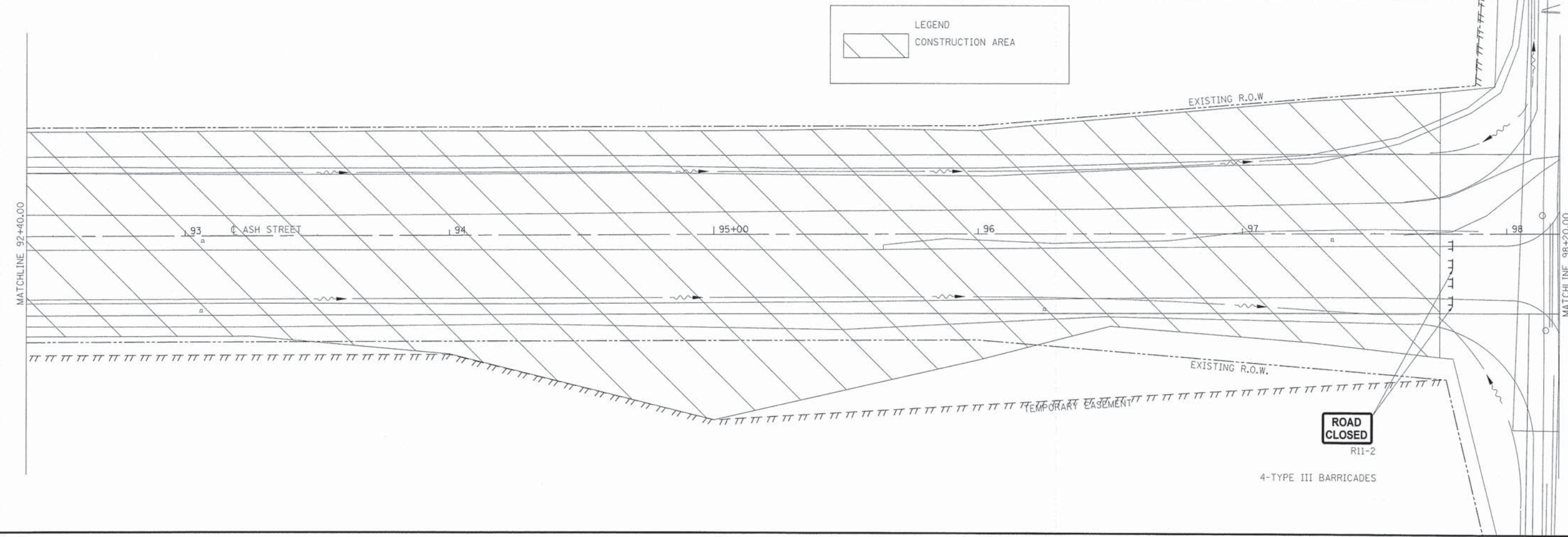
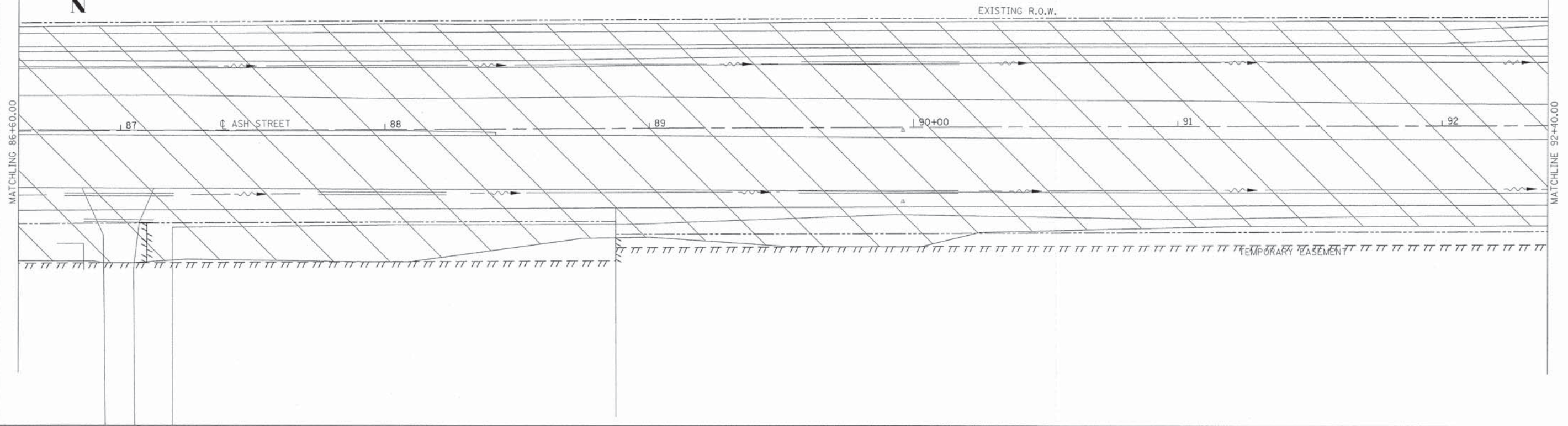
MAURER-STUTZ
ENGINEERS SURVEYORS
1155 N. DEWELANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 3090 EAST ASH STREET | CANTON, ILLINOIS 61520
PH: (309) 692-7625 | FAX: (309) 692-7616 | PH: (309) 647-7931 | FAX: (309) 647-6552
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #188-00574
"WORKING WITH YOU by DESIGN"

Sheet Title: **ASH ST. MOT PLAN - STAGE 1**
Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**

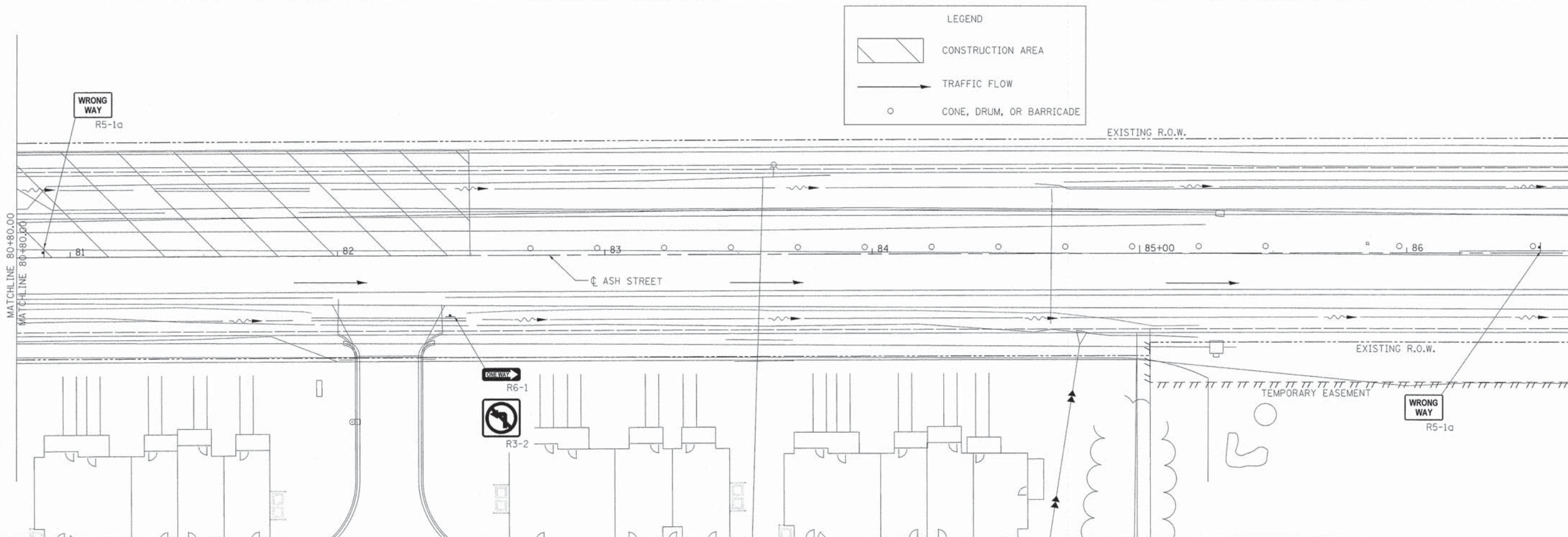
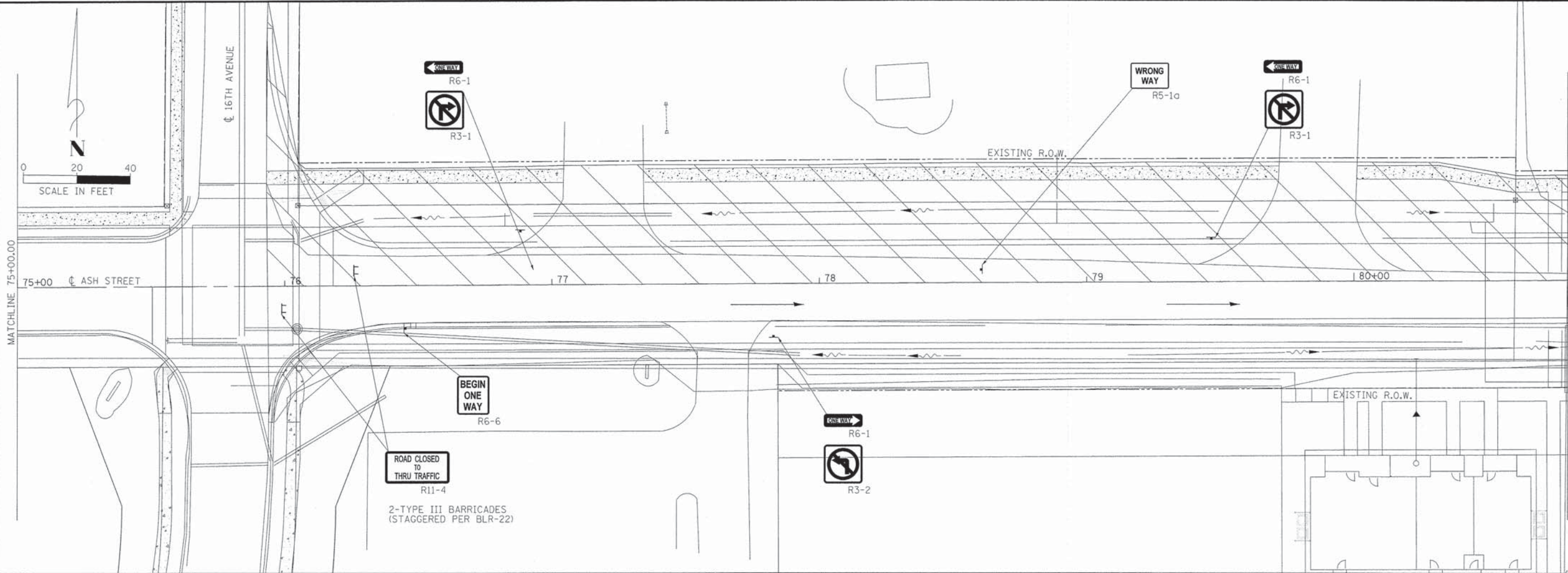
Contract No. **89471**

Designed By: **JDS**
Drawn By: **WLL**
Reviewed By:
Date: **20 October 2014**
Project No.: **24714003**
Drawing:






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LEGEND

-  CONSTRUCTION AREA
-  TRAFFIC FLOW
-  CONE, DRUM, OR BARRICADE

REVISIONS	
No.	Description

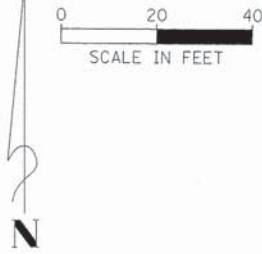
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 ENGINEERS SURVEYORS
 1116 N. BIRCH LAKE SUITE 201 / PEORIA, ILLINOIS 61604 / 309.692.4500 / FAX 309.692.4501
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #00754
 "WORKING WITH YOU BY DESIGN"

ASH ST. MOT PLAN
STAGE 2
 ASH STREET IMPROVEMENTS-PHASE IV AND
 20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
 Project: CONTRACT NO. 89471

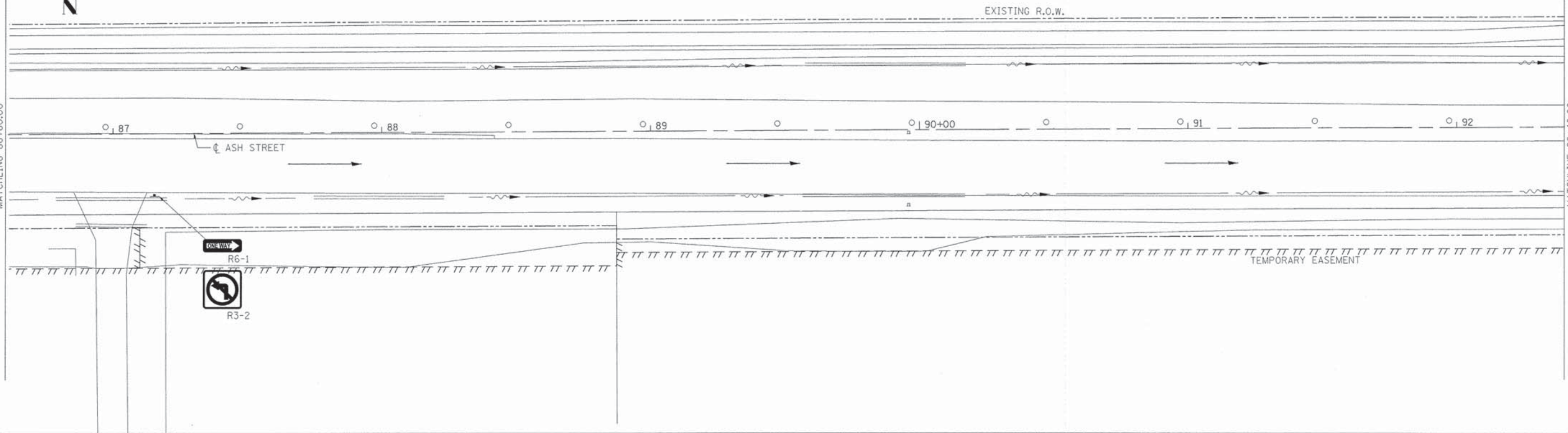
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 Date: 20 October 2014
 Project No.: 24714003
 Drawing: _____

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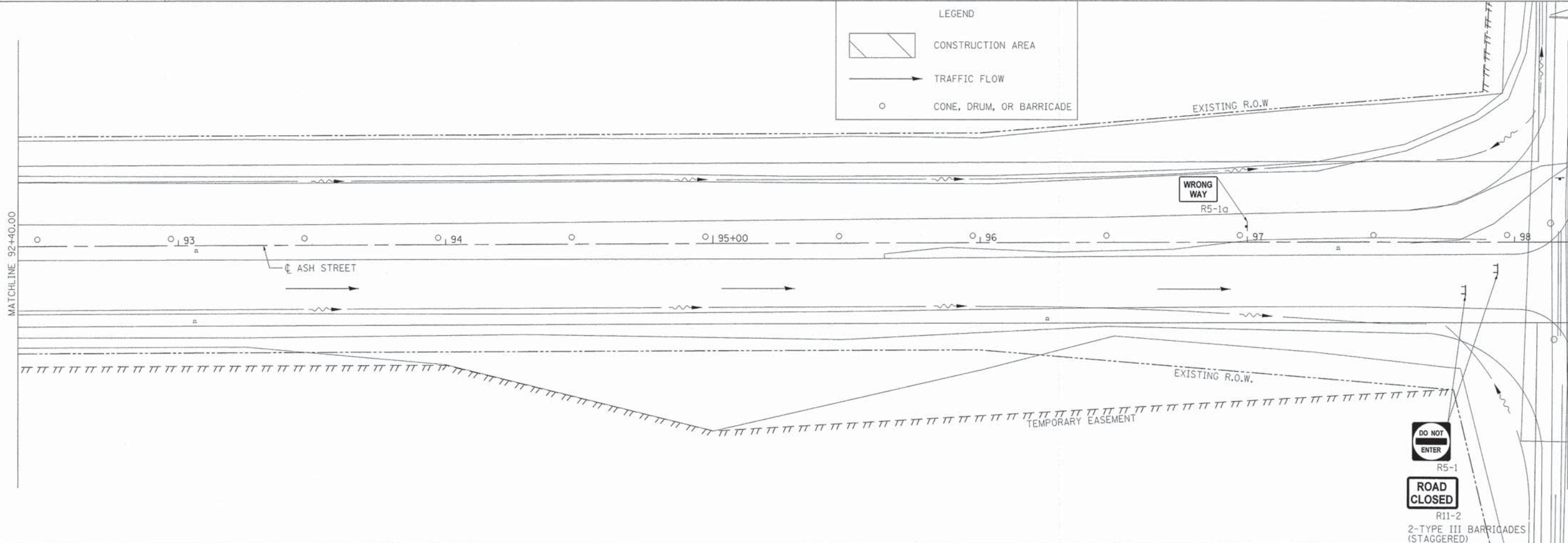
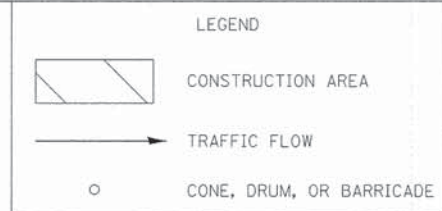
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MATCHLINE 92+40.00



MATCHLINE 92+40.00

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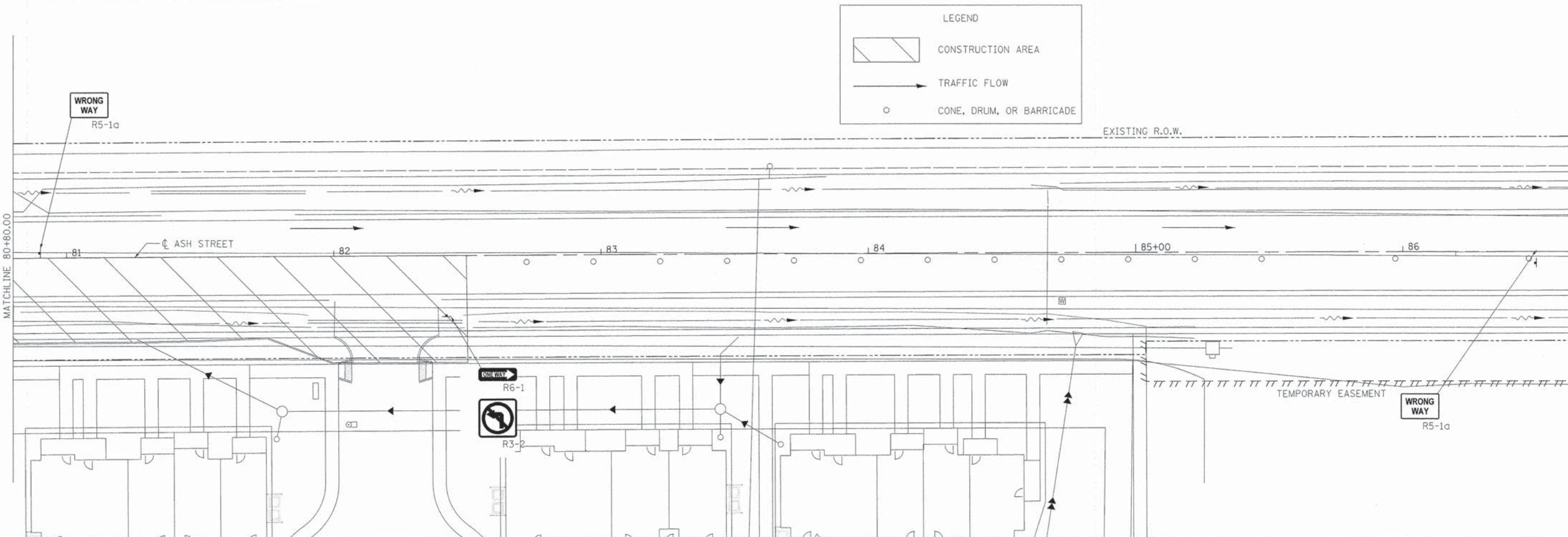
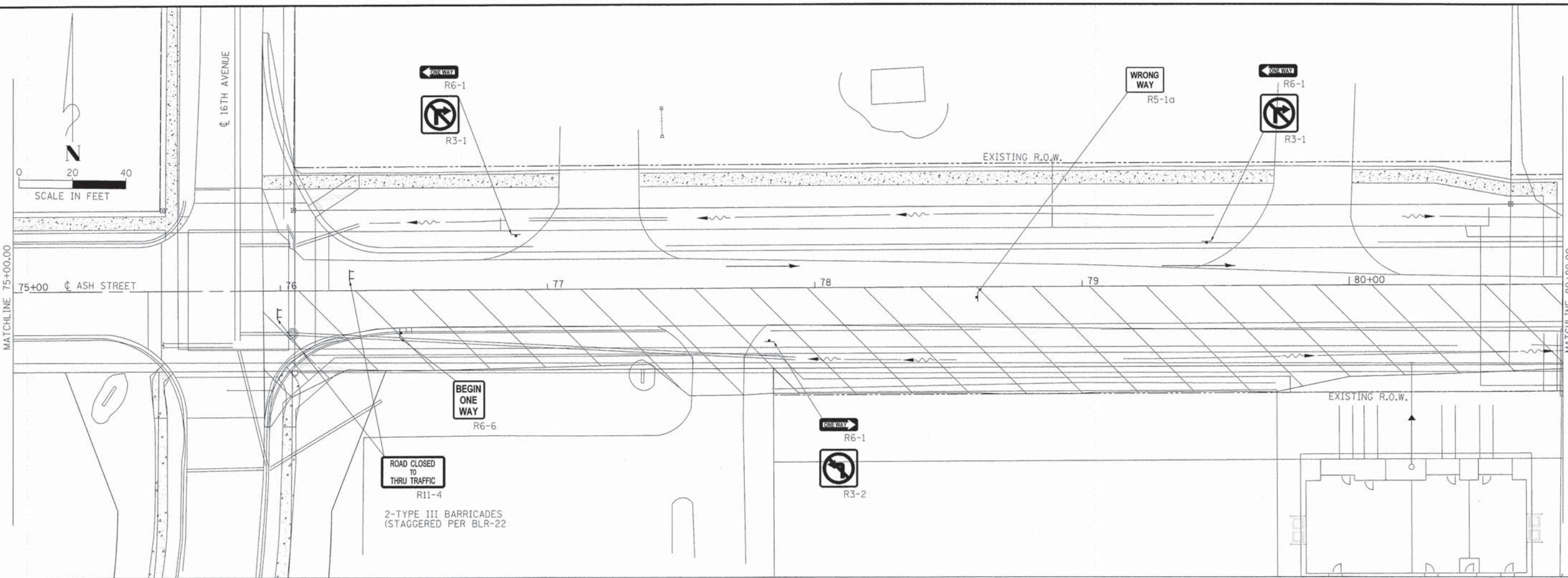
REVISIONS	
No.	Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 8155 N. SHELLEMAN, SUITE 100 | PEORIA, ILLINOIS 61604 | 815.247.2814 | FAX (309) 693-7436
 1470 EAST ASH STREET | CANTON, ILLINOIS 61530
 PH. (309) 693-7435 | FAX (309) 693-7436 | FAX (309) 647-6355
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #584-00574
 "WORKING with YOU by DESIGN"

Sheet Title:
ASH ST. MOT PLAN
STAGE 2
 Project:
ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

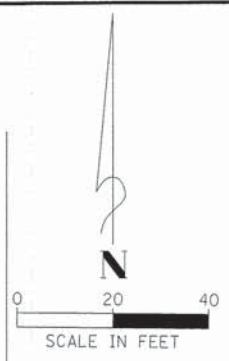
Client:
CITY OF CANTON, IL
 Contract No. 09471
 Designed By:
 JDS
 Drawn By:
 WLL
 Reviewed By:
 Date:
 20 October 2014
 Project No.:
 24714003
 Drawing:
 34 OF 70

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LEGEND

- CONSTRUCTION AREA
- TRAFFIC FLOW
- CONE, DRUM, OR BARRICADE



No.	Date	Description

MAURER-STUTZ
 ENGINEERS & SURVEYORS
 1118 N. DUREL LANE, SUITE 100 / PROLOG, ILLINOIS 61604 1670 EAST ASH STREET / CANTON, ILLINOIS 61820
 PH. (309) 693-7635 / FAX (309) 693-7636 PH. (309) 647-7831 / FAX (309) 647-5155
 ILLINOIS PROFESSIONAL DESIGN FIRMS LICENSE #184-00274
 WORKING with YOU by DESIGN

ASH ST. MOT PLAN
STAGE 3
 ASH STREET IMPROVEMENTS-PHASE IV AND
 20TH AVENUE RECONSTRUCTION

Sheet Title:
 Project:

CITY OF CANTON, IL

Client:
 Designed By: JDS
 Drawn By: WLL
 Reviewed By:

Date: 20 October 2014
 Project No.: 24714003
 Drawing:

CONTRACT NO. 88471

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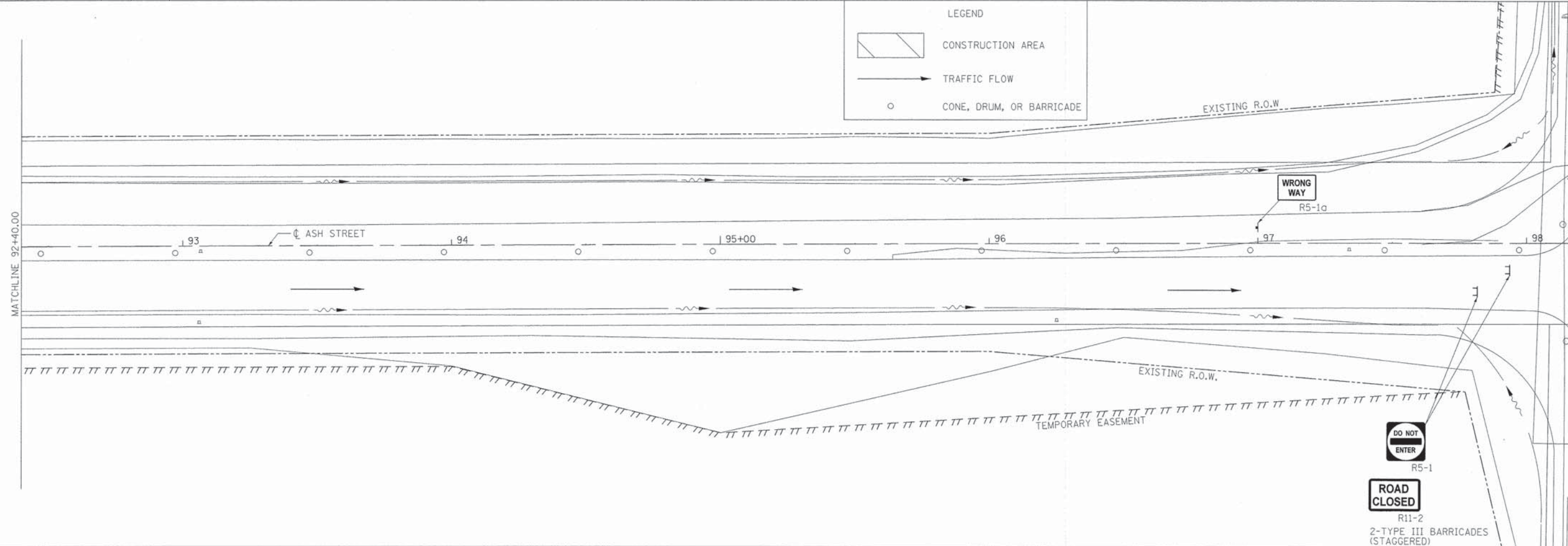
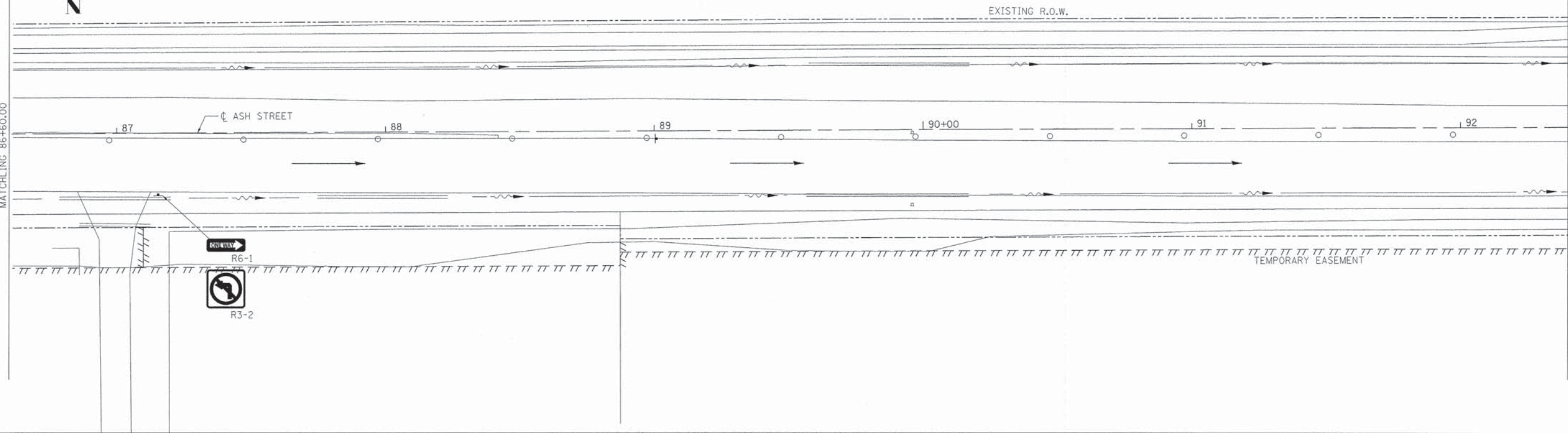


MATCHLINE 86+60.00

MATCHLINE 92+40.00

MATCHLINE 92+40.00

MATCHLINE 98+20.00



LEGEND

- CONSTRUCTION AREA
- TRAFFIC FLOW
- CONE, DRUM, OR BARRICADE

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REVISIONS	
No.	Description

MAURER-STUTZ
ENGINEERS SURVEYORS
3135 N. BIRCHLAW SUITE 100 | FORT LAUDERDALE, FL 33309
TEL: (954) 947-7400 | FAX: (954) 947-7401
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000734
"WORKING WITH YOU BY DESIGN"

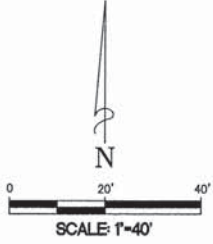
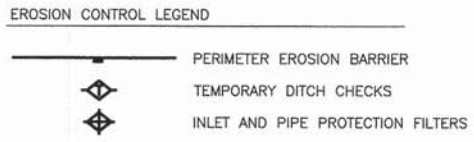
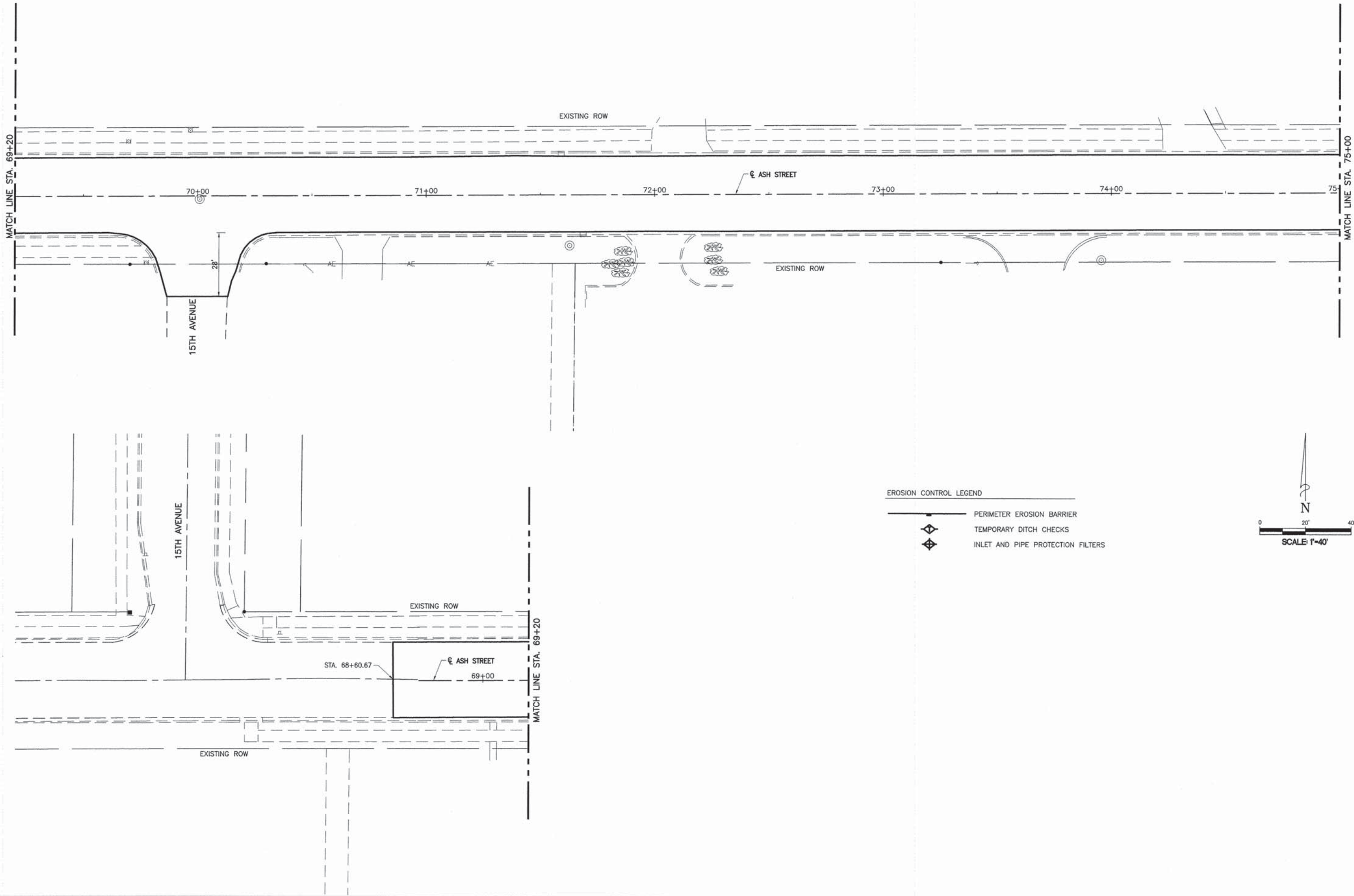
ASH ST. MOT PLAN
STAGE 3
ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL
Project:

Designed By: JDS
Drawn By: WLL
Reviewed By:
Date: 20 October 2014
Project No.: 24714003
Drawing:

CONTRACT NO. 88471
36 OF 70

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REVISIONS	
NO.	DATE
1	03/07/14
	Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

3115 N. DRIES LANE, SUITE 100 | PEORIA, ILLINOIS 61604
PH: (309) 693-7515 | FAX: (309) 693-7515
1370 EAST ASH STREET | CANTON, ILLINOIS 62529
PH: (309) 447-7831 | FAX: (309) 447-4335
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE 0184-000754
"WORKING HARD YOU BY DESIGN"

ASH ST. EROSION CONTROL PLAN
STA. 68 + 60.67 TO 75 + 00.00

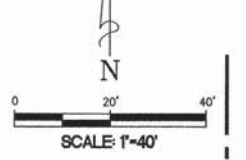
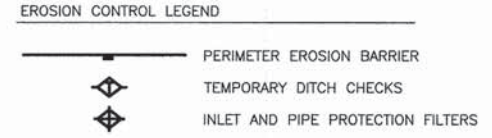
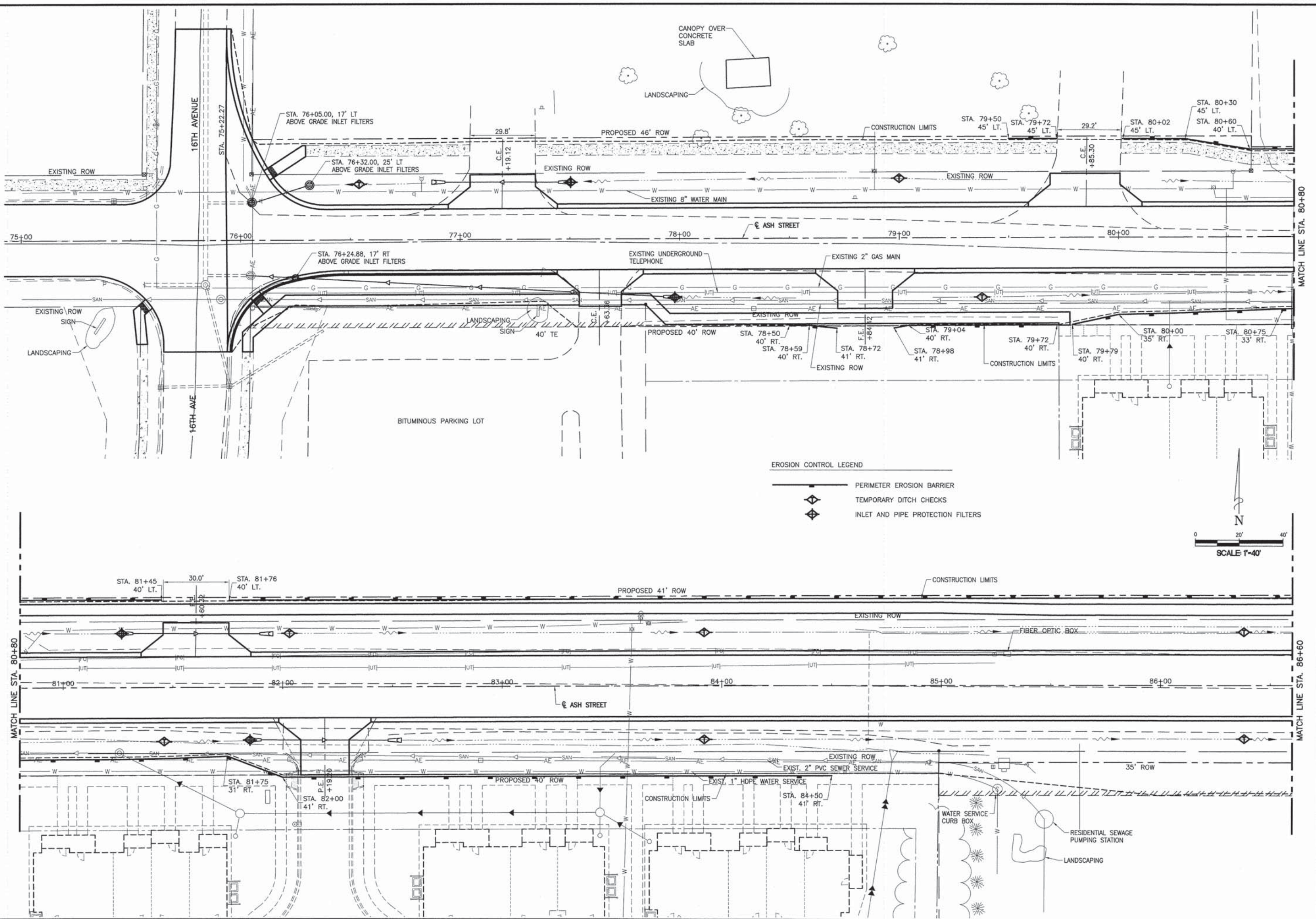
Project: **ASH STREET IMPROVEMENTS - PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**

Contract No. **59471**

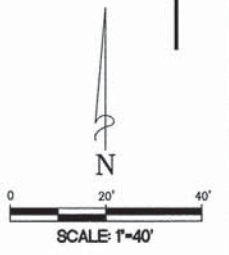
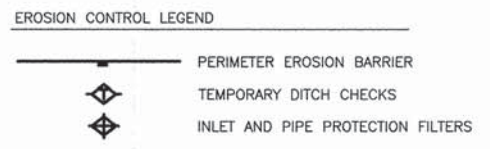
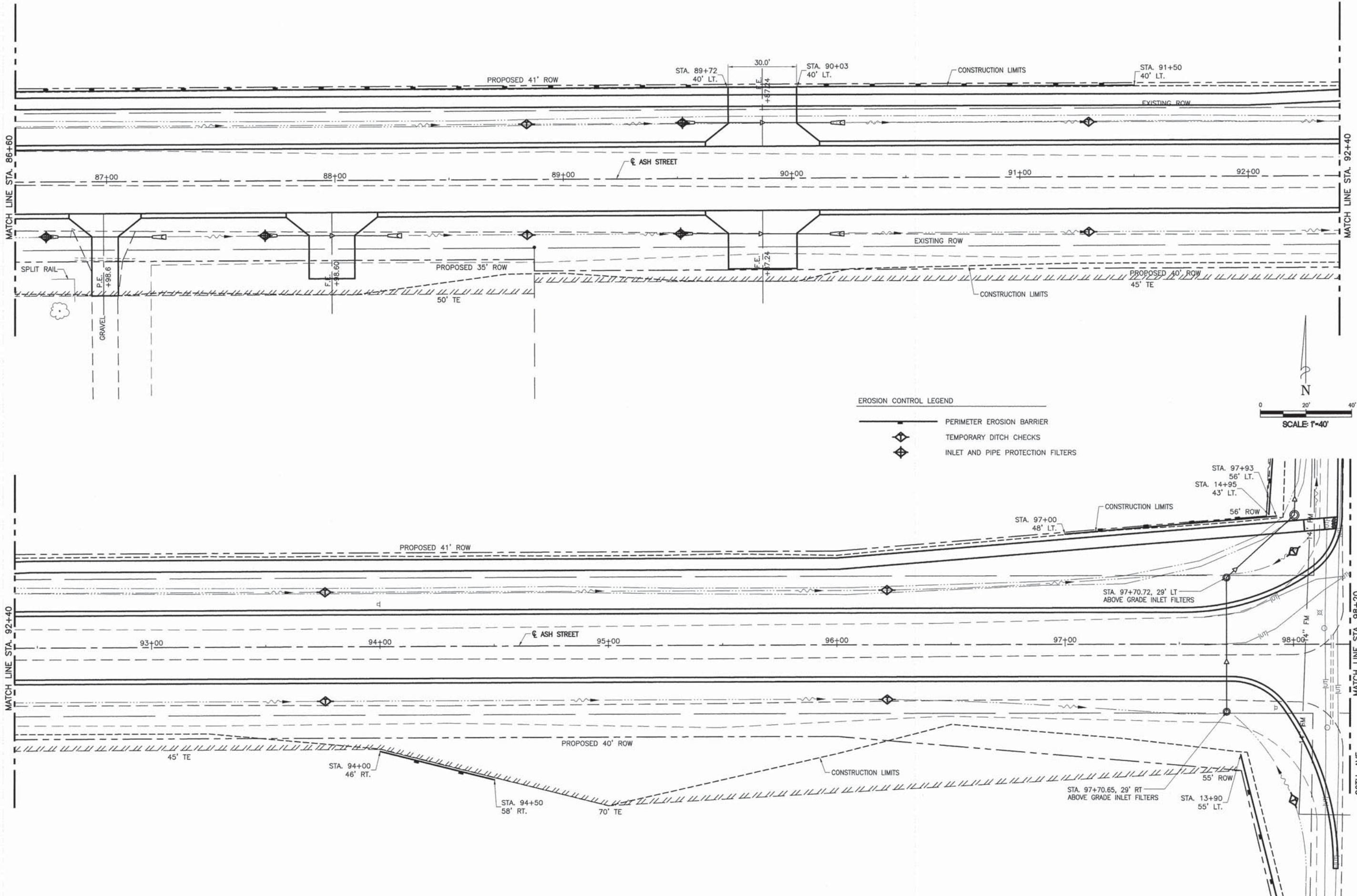
Designed By: **GBM**
Drawn By: **NDP**
Reviewed By: **KOP**
Date: **29 January 2014**
Project No.: **247-10002**
Drawing:

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<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>Date</th> <th>Description</th> </tr> <tr> <td>1</td> <td>03/07/14</td> <td>Per Review</td> </tr> </table>	No.	Date	Description	1	03/07/14	Per Review	<p>MAURER-STUTZ ENGINEERS SURVEYORS</p> <p>1115 N. BRIDLE LANE, SUITE 100 FORT LAUDERDALE, FLORIDA, U.S.A. 33304 3570 EAST ASH STREET CANTON, ILLINOIS 61820 PH: (954) 892-7615 FAX: (954) 892-7616 FAX: (309) 447-8335 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #348-000754</p> <p style="font-size: small;">*WORKING WITH YOU TO DESIGN*</p>
No.	Date	Description					
1	03/07/14	Per Review					
<p>ASH ST. EROSION CONTROL PLAN STA. 75+00.00 TO 86+60.00</p> <p>ASH STREET IMPROVEMENTS - PHASE IV AND 20TH AVENUE RECONSTRUCTION</p>							
Sheet Title:	Project:						
Client:	CITY OF CANTON, IL						
Designed By:	GBM						
Drawn By:	NDP						
Reviewed By:	KJP						
Date:	29 January 2014						
Project No.:	247-10002						
Drawing:							
CONTRACT NO. 89471							
38 OF 70							

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REV. NO.	DATE	DESCRIPTION
1	03/07/14	Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

3116 N. BRIDLE LANE, SUITE 100 | PROSA, ILLINOIS 61066 | 815.947.8100 | FAX 815.947.8155
PH 815.947.8155 | FAX 815.947.8155
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-002754
"WORKING WITH YOU BY DESIGN"

ASH ST. EROSION CONTROL PLAN
STA. 86+60.00 TO 98+25.00

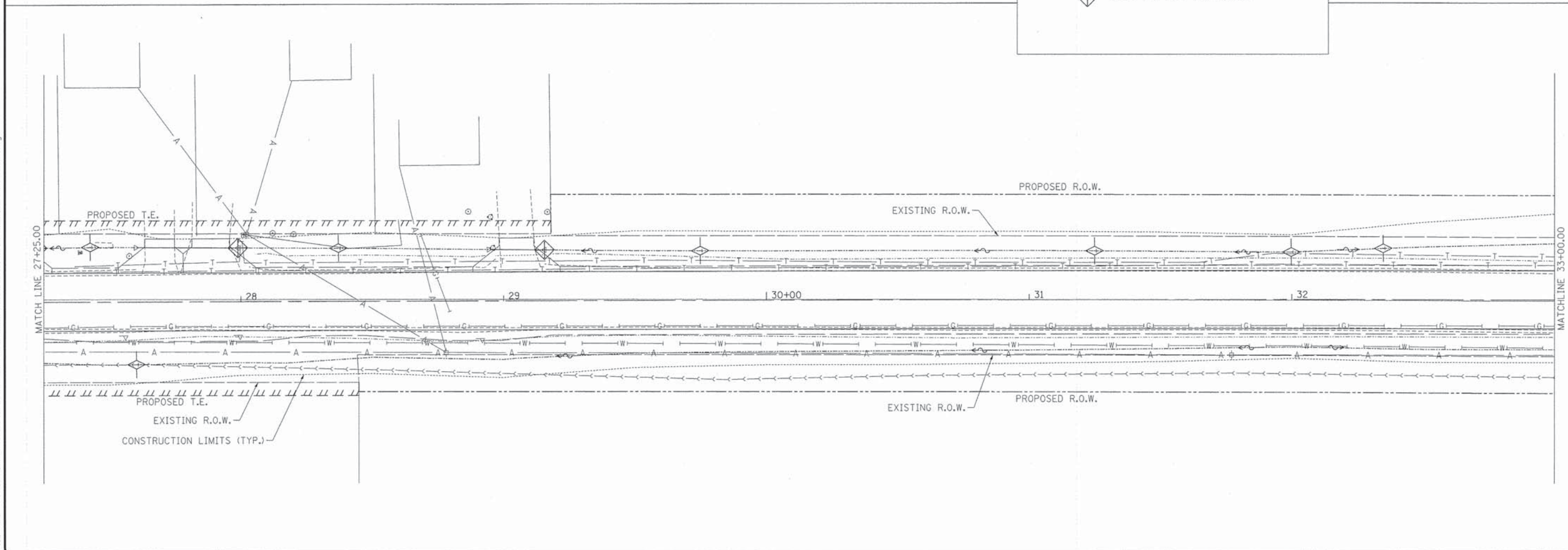
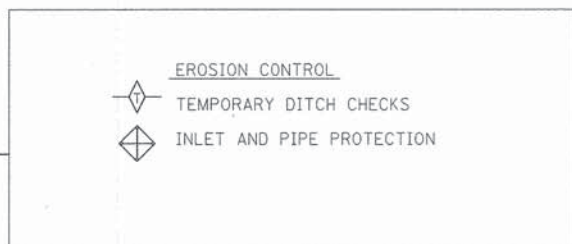
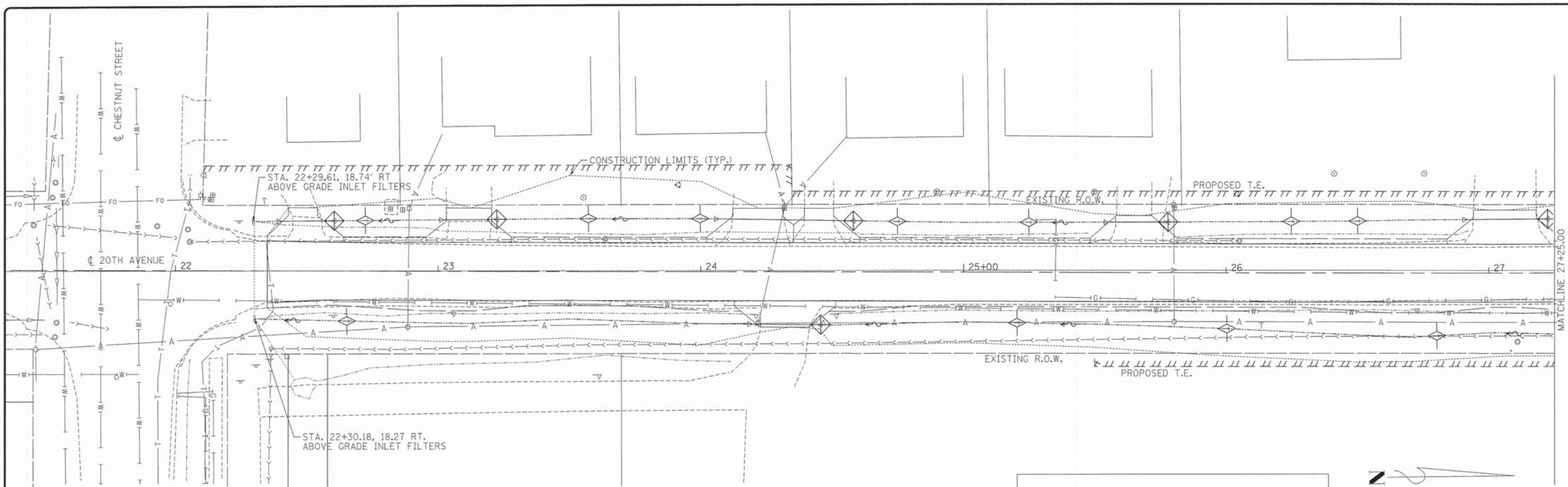
ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL

Contract No. 89471

Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:

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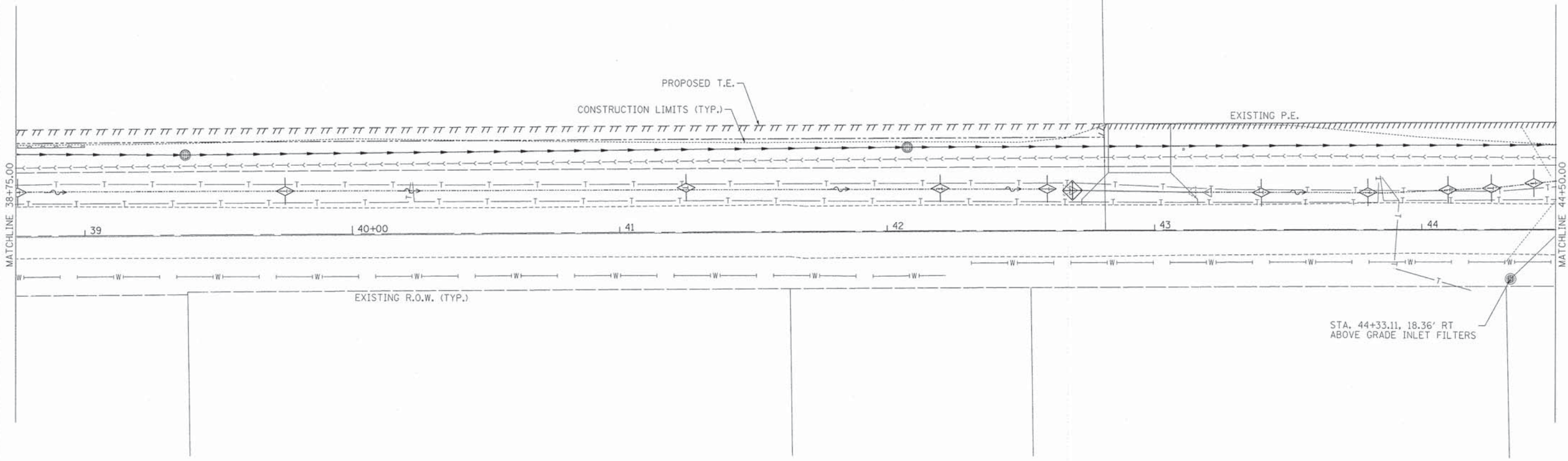
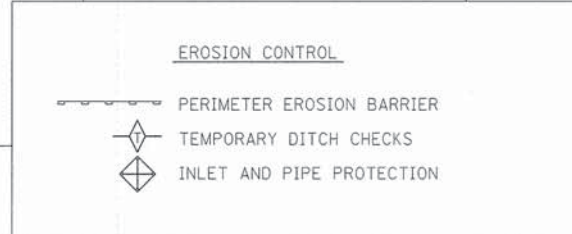
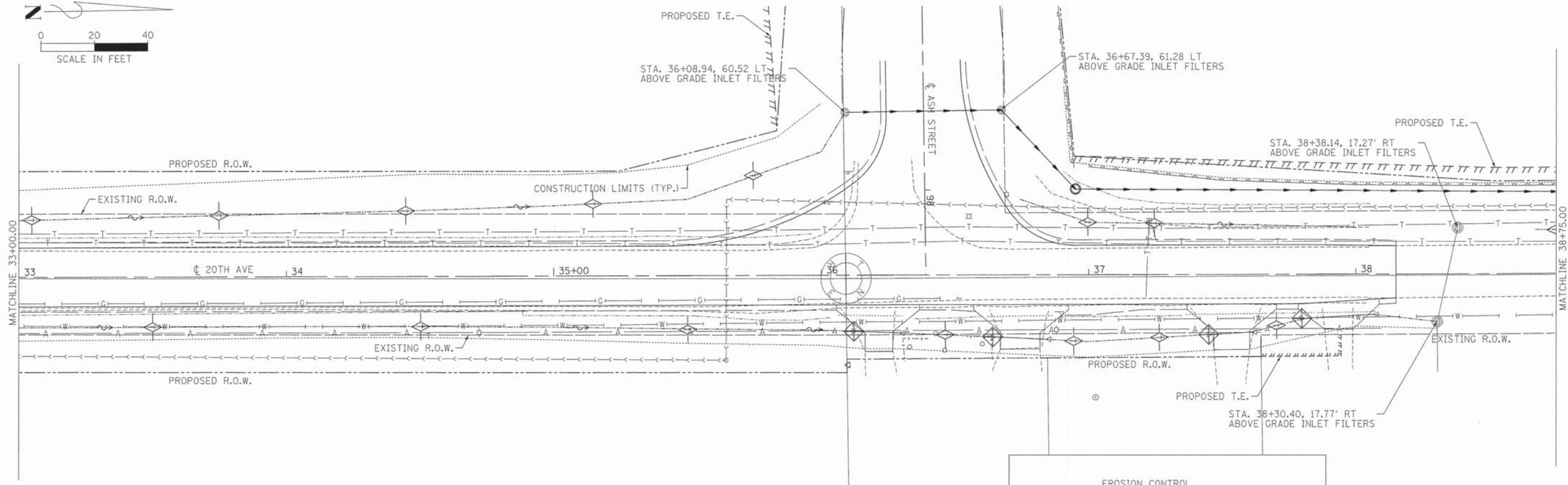
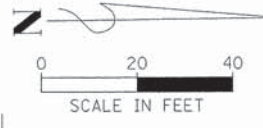
REVISIONS	
No.	Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 815 N. CHESTNUT STREET | ROOM 1100 | CHICAGO, ILLINOIS 60610
 PH: (312) 647-7331 | FAX: (312) 647-4335
 ILLINOIS PROFESSIONAL DESIGN FIRMS LICENSE #184-00734
 "WORKING WITH YOU BY DESIGN"

Sheet Title: **20TH AVE. EROSION CONTROL**
 STA. 21+25.00 TO STA. 33+00.00
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 Contract No. **89471**

Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:



NO.	DATE	DESCRIPTION

MAURER-STUTZ
ENGINEERS SURVEYORS
5116 N. WISCONSIN AVE. SUITE 100 | DECATUR, ILLINOIS 62526 | 618.282.0200
1811 S. WASHINGTON ST. | CHICAGO, ILLINOIS 60605 | 312.467.1000
ILLINOIS PROFESSIONAL DESIGN FIRMS LICENSE #003734
"WORKING WITH YOU BY DESIGN"

Sheet Title:
20TH AVE. EROSION CONTROL
STA. 33+00.00 TO STA. 44+50.00
Project:
ASH STREET IMPROVEMENTS-PHASE IV AND
20TH AVENUE RECONSTRUCTION

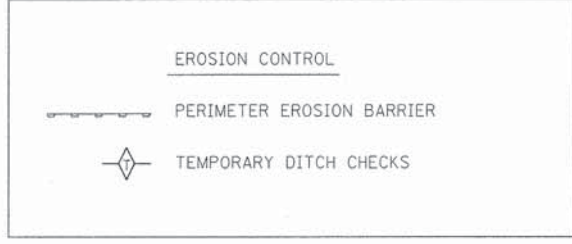
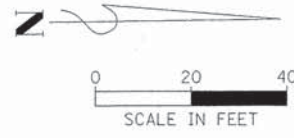
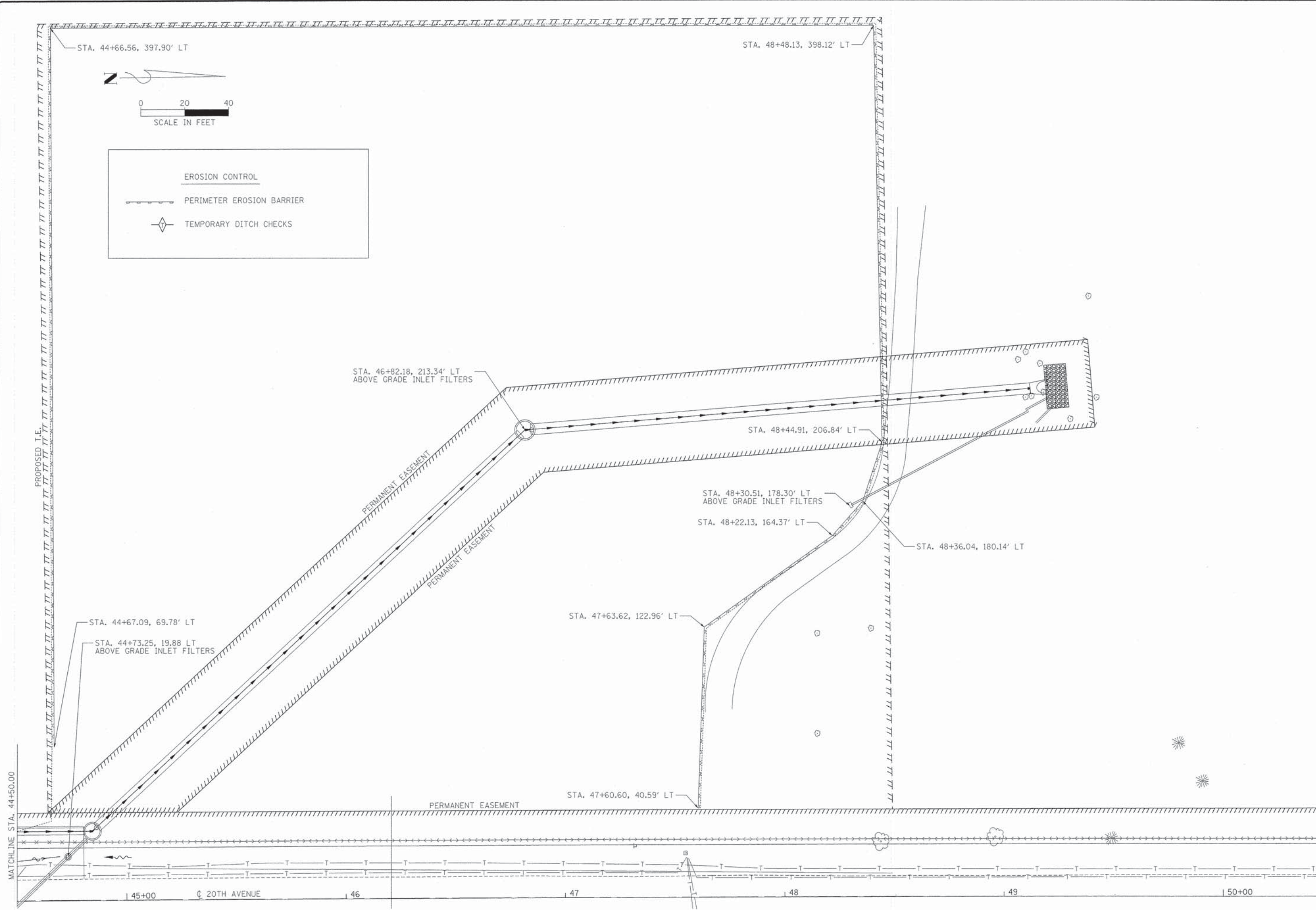
Client:
CITY OF CANTON, IL
Contract No. 89471

Designed By:
JDS
Drawn By:
WLL
Reviewed By:

Date:
20 October 2014
Project No.:
24714003
Drawing:

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NO.	DATE	DESCRIPTION

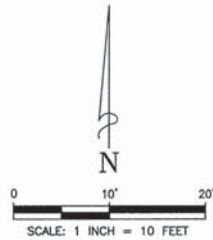
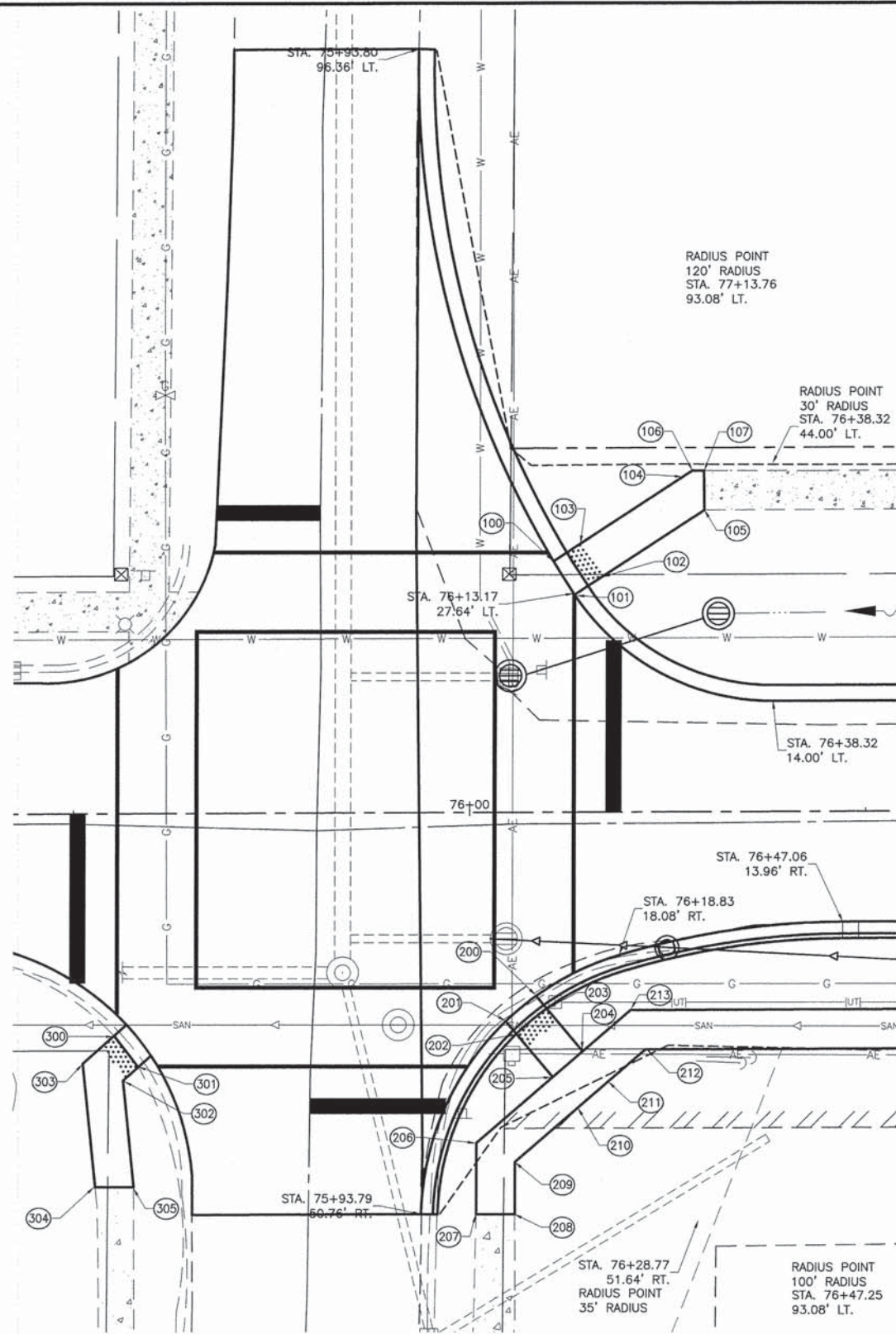
MAURER-STUTZ
 ENGINEERS SURVEYORS
 815 N. WHEELING AVENUE, SUITE 100 | DECATUR, ILLINOIS 62521
 PH: (309) 487-2015 | FAX: (309) 487-2016 | WWW.MS-SURV.COM

Sheet Title: **20TH AVE. EROSION CONTROL JFL PARK**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 CONTRACT NO. 89471

Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:

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ASH / 16th - NE CURB RAMP DESIGN

POINT NO.	STATION	OFFSET	SIDE	ELEV	DESCRIPTION
100	76+10.63	31.72	LT	647.38	SIDEWALK
101	76+13.28	27.48	LT	647.30	SIDEWALK
102	76+16.67	29.68	LT	647.30	SIDEWALK
103	76+13.99	33.90	LT	647.38	SIDEWALK
104	76+26.95	42.32	LT	648.52	SIDEWALK
105	76+29.67	38.12	LT	648.47	SIDEWALK
106	76+28.17	43.11	LT	648.50	SIDEWALK
107	76+29.65	43.10	LT	648.48	SIDEWALK

ASH / 16th - SE CURB RAMP DESIGN

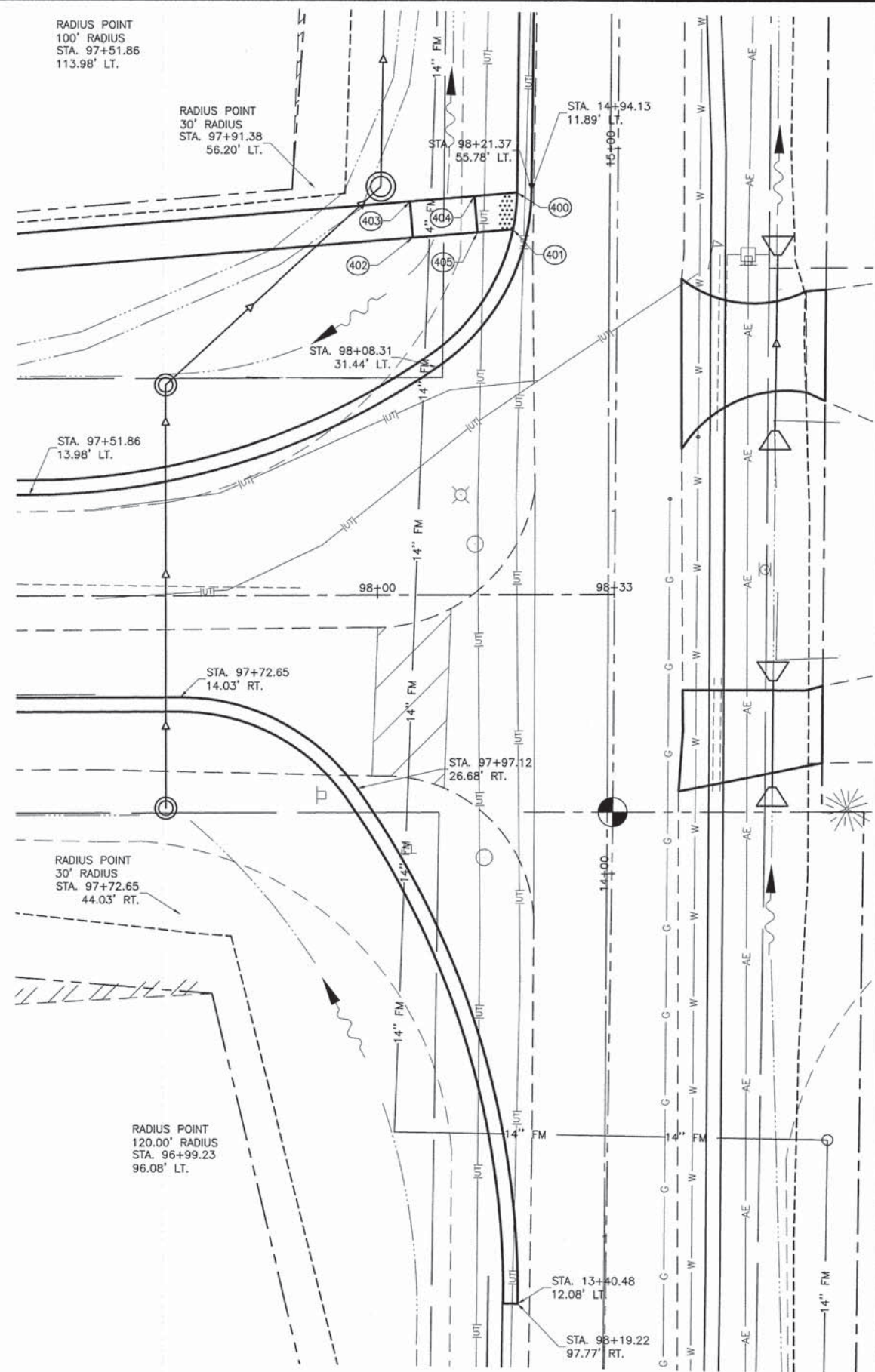
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200	76+08.33	23.23	RT	647.03	EOP
201	76+04.49	26.43	RT	646.96	EOP
202	76+05.83	28.03	RT	647.00	BOC/SIDEWALK
203	76+09.67	24.83	RT	647.07	BOC/SIDEWALK
204	76+14.20	30.26	RT	647.57	SIDEWALK
205	76+10.41	33.52	RT	647.50	SIDEWALK
206	76+00.78	41.81	RT	647.26	SIDEWALK
207	70+00.74	50.81	RT	647.10	SIDEWALK
208	76+05.61	50.80	RT	647.16	SIDEWALK
209	76+05.63	44.22	RT	647.30	SIDEWALK
210	76+13.61	37.36	RT	647.50	SIDEWALK
211	76+17.41	34.10	RT	647.57	SIDEWALK
212	76+22.12	30.05	RT	647.71	SIDEWALK
213	76+20.55	24.66	RT	647.67	SIDEWALK

ASH / 16th - SW CURB RAMP DESIGN

POINT NO.	STATION	OFFSET	SIDE	ELEV	DESCRIPTION
300	75+55.06	28.10	RT	647.23	BOC/SIDEWALK
301	75+58.11	32.08	RT	647.17	BOC/SIDEWALK
302	75+56.18	33.80	RT	647.21	SIDEWALK
303	75+51.11	31.62	RT	647.25	SIDEWALK
304	75+52.66	47.25	RT	647.35	SIDEWALK
305	75+57.51	47.25	RT	647.24	SIDEWALK

ASH / 20th - NW CURB RAMP DESIGN

POINT NO.	STATION	OFFSET	SIDE	ELEV	DESCRIPTION
400	98+21.37	55.62	LT	643.90	EOP/SIDEWALK
401	98+20.84	50.56	LT	643.94	EOP/SIDEWALK
402	98+06.95	49.46	LT	643.70	SIDEWALK
403	98+06.55	54.45	LT	643.78	SIDEWALK
404	98+15.46	55.15	LT	643.99	SIDEWALK
405	98+15.86	50.17	LT	643.99	SIDEWALK



REVISIONS

No.	Date	Description
1	03/07/14	Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

3115 N. BIRCH LAKE SUITE 100 | PEORIA, ILLINOIS 61604 | 3075 EAST ASH STREET | CANTON, ILLINOIS 61820
PH: (309) 692-7615 | FAX: (309) 692-7616 | (309) 647-9333
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000754
"WORKING WITH YOU BY DESIGN"

INTERSECTION DETAILS

ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

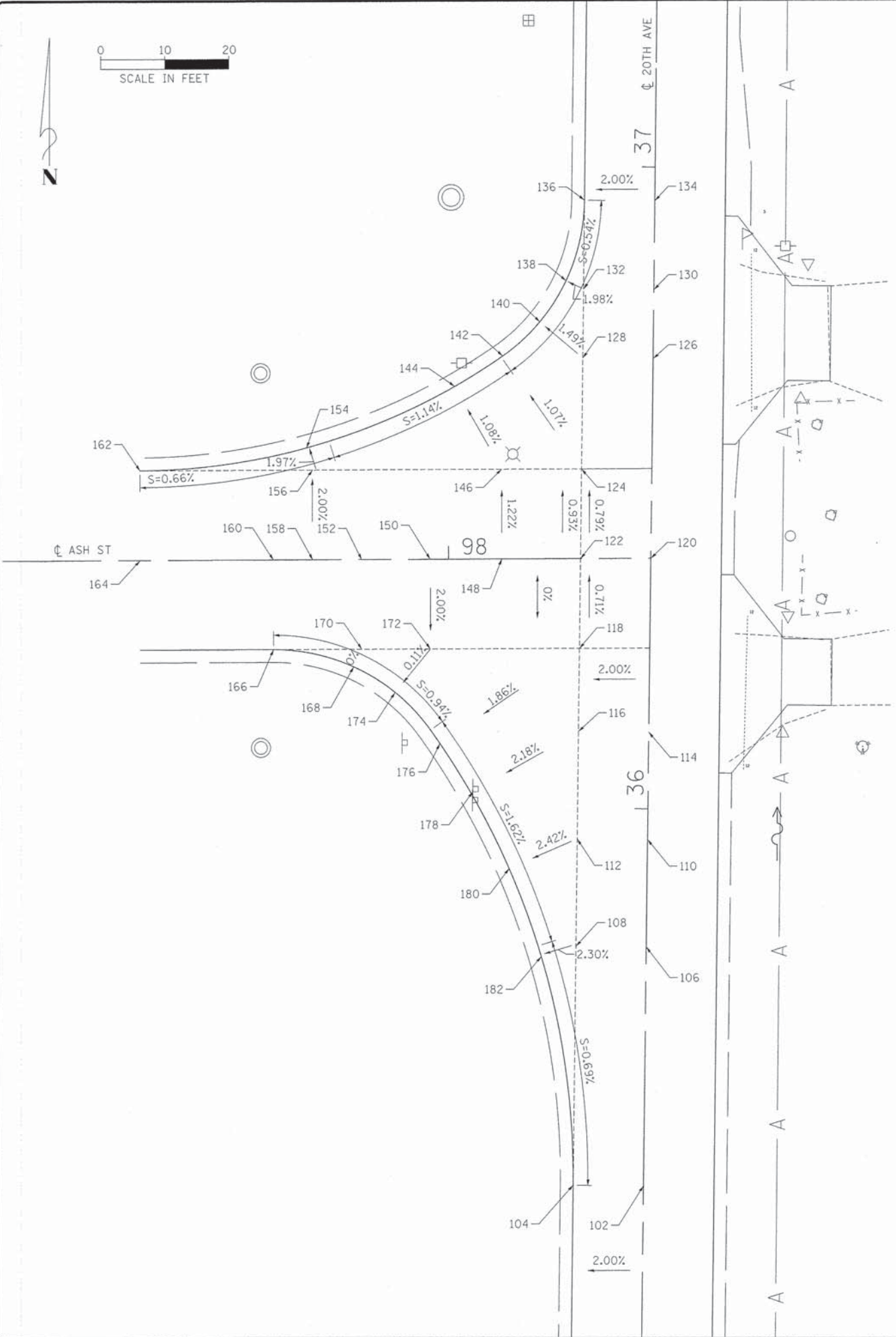
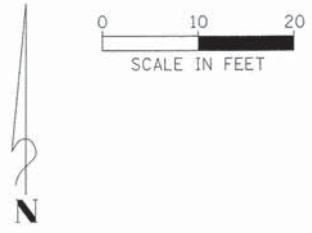
Client: CITY OF CANTON, IL

Contract No. 89471

Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:

43 OF 70

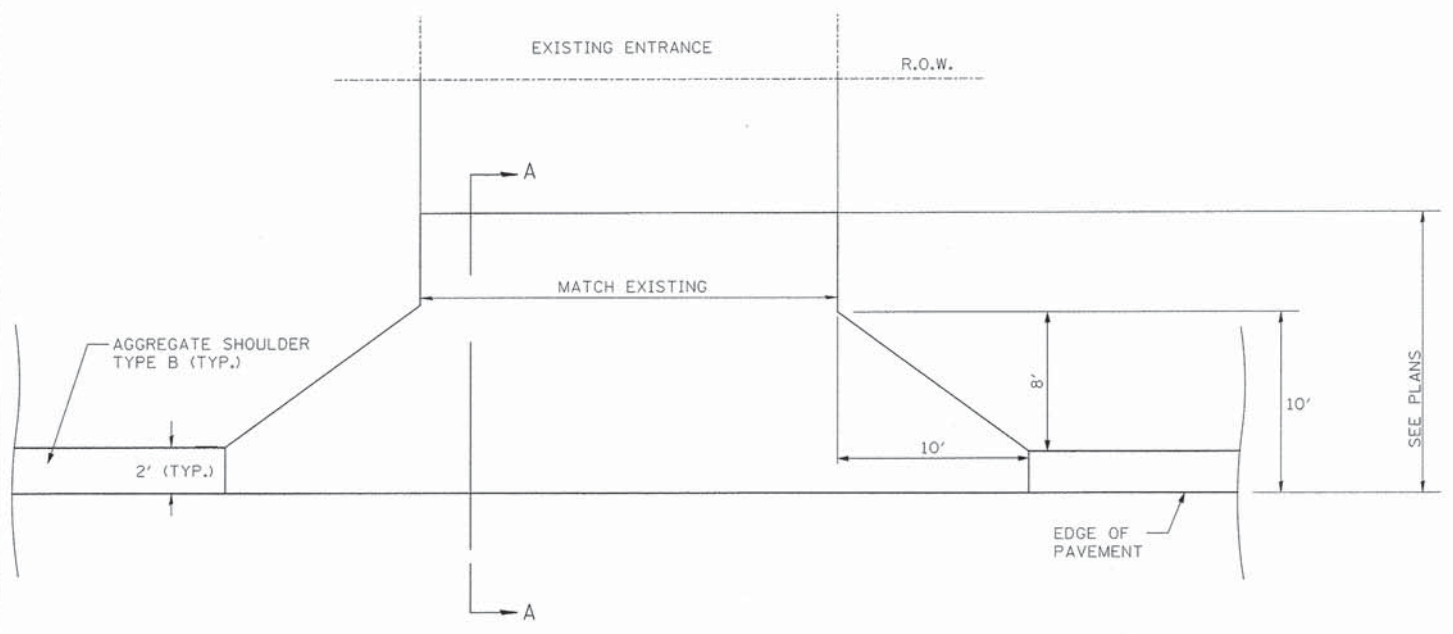
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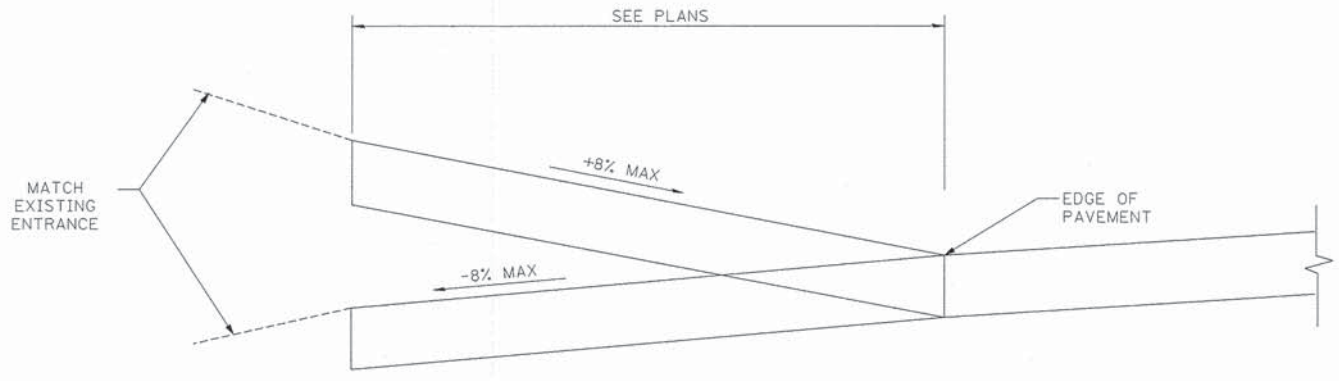
ASH ST/20TH AVE INTERSECTION DETAIL					
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104	35+41.22	11.00'	LT	644.83	20TH AVENUE
106	35+78.44	0.00		644.93	20TH AVENUE
108	35+78.44	11.00'	LT	644.71	20TH AVENUE
110	35+95.22	0.00		644.86	20TH AVENUE
112	35+95.22	11.00'	LT	644.64	20TH AVENUE
114	36+11.99	0.00		644.79	20TH AVENUE
116	36+11.99	11.00'	LT	644.57	20TH AVENUE
118	36+24.96	11.00'	LT	644.49	20TH AVENUE
120	36+39.15	0.00		644.61	20TH AVENUE
122	36+39.00	11.00'	LT	644.39	20TH AVENUE
124	36+52.98	11.00'	LT	644.28	20TH AVENUE
126	36+70.26	0.00		644.36	20TH AVENUE
128	36+70.26	11.00'	LT	644.14	20TH AVENUE
130	36+80.97	0.00		644.25	20TH AVENUE
132	36+80.97	11.00'	LT	644.03	20TH AVENUE
134	36+94.78	0.00		644.12	20TH AVENUE
136	36+94.78	11.00'	LT	643.90	20TH AVENUE
138	98+18.45	43.27'	LT	643.99	ASH STREET
140	98+14.33	36.89'	LT	644.01	ASH STREET
142	98+08.52	31.58'	LT	644.05	ASH STREET
144	98+01.02	26.90'	LT	643.95	ASH STREET
146	98+08.31	13.98'	LT	644.11	ASH STREET
148	98+08.31	0.00		644.28	ASH STREET
150	97+97.12	0.00		644.18	ASH STREET
152	97+86.43	0.00		644.09	ASH STREET
154	97+77.87	17.42'	LT	643.67	ASH STREET
156	97+78.79	13.98'	LT	643.74	ASH STREET
158	97+78.79	0.00		644.02	ASH STREET
160	97+72.65	0.00		643.97	ASH STREET
162	97+51.86	13.98'	LT	643.50	ASH STREET
164	97+51.86	0.00		643.78	ASH STREET
166	97+72.65	14.03'	RT	643.69	ASH STREET
168	97+85.17	16.77'	RT	643.81	ASH STREET
170	97+86.43	14.03'	RT	643.81	ASH STREET
172	97+97.12	14.03'	RT	643.90	ASH STREET
174	97+91.61	20.78'	RT	643.89	ASH STREET
176	97+98.59	28.80'	RT	644.00	ASH STREET
178	98+03.44	36.58'	RT	644.15	ASH STREET
180	98+09.34	48.38'	RT	644.36	ASH STREET
182	98+14.33	62.14'	RT	644.58	ASH STREET

<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>No.</td><td>Date</td><td>Description</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	No.	Date	Description										<p>MAURER-STUTZ ENGINEERS SURVEYORS</p> <p>11500 S. SHILOH ROAD, SUITE 100 PROSA, ILLINOIS 61850 815.347.4411 11500 S. SHILOH ROAD, SUITE 100 PROSA, ILLINOIS 61850 815.347.4411 11500 S. SHILOH ROAD, SUITE 100 PROSA, ILLINOIS 61850 815.347.4411</p> <p>ILLINOIS PROFESSIONAL DESIGN FROM LICENSE #184-005714 "WORKING WITH YOU BY DESIGN"</p>	<p>Client: CITY OF CANTON, IL</p> <p>Contract No. 89471</p>
No.	Date	Description												
<p>ASH ST. / 20TH AVE. INTERSECTION DETAIL</p> <p>ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION</p>														
<p>Designed By: JDS Drawn By: WLL Reviewed By:</p> <p>Date: 20 October 2014 Project No.: 24714003 Drawing:</p>														
<p>44 OF 70</p>														

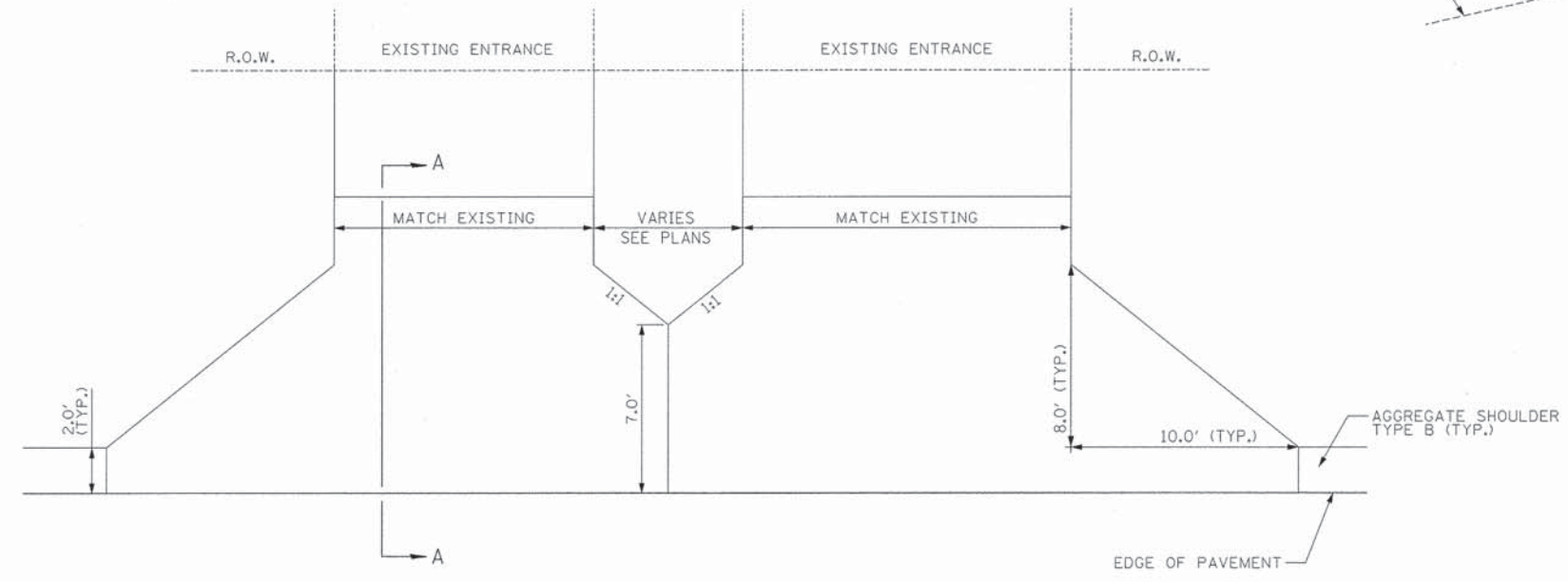
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TYPICAL ENTRANCE PLAN



SECTION A-A



ENTRANCE PLAN

STA. 27+69.26 TO STA. 27+89.60
 STA. 24+22.00 TO STA. 24+45.42

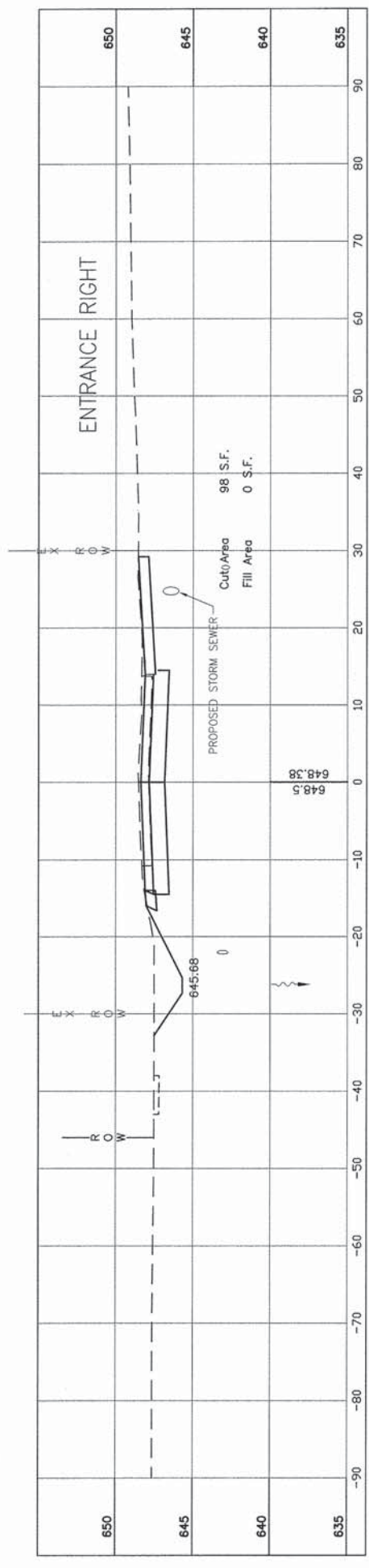
NO.	DATE	DESCRIPTION

MAURER-STUTZ
 ENGINEERS SURVEYORS
 8155 N. SHURELANE, SUITE 100 | BROMA, ILLINOIS 61604 | 1875 EAST ASH STREET | CANTON, ILLINOIS 61820
 PH. (309) 693-7933 | FAX (309) 693-7935 | PH. (309) 647-7333 | FAX (309) 647-4335
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-00574
 "WORKING with YOU by DESIGN"

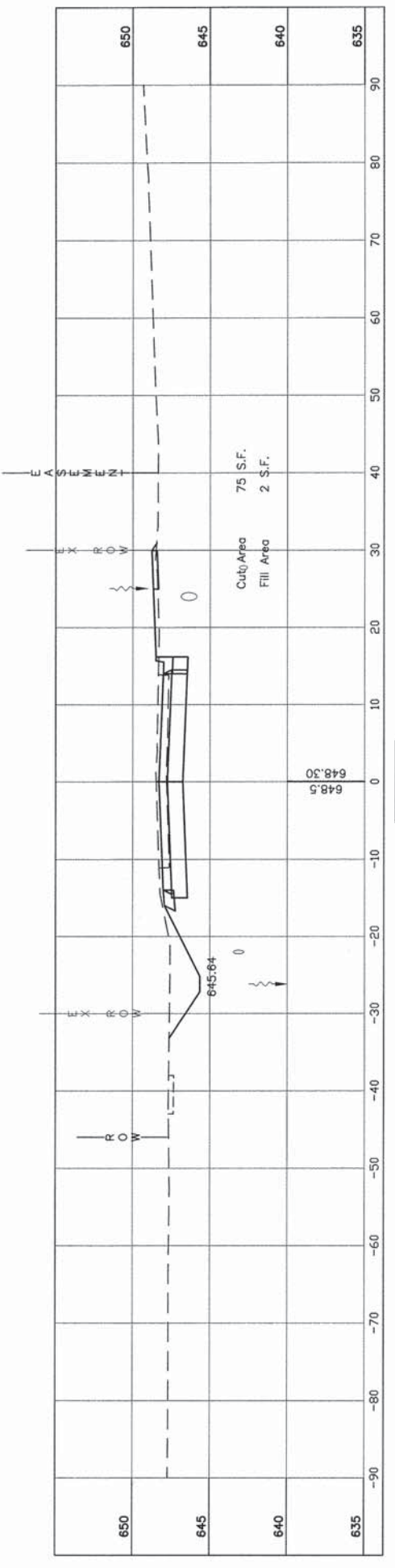
Sheet Title:
URBAN ENTRANCES DETAIL
 Project:
ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

Client:
CITY OF CANTON, IL
 CONTRACT NO. 89471

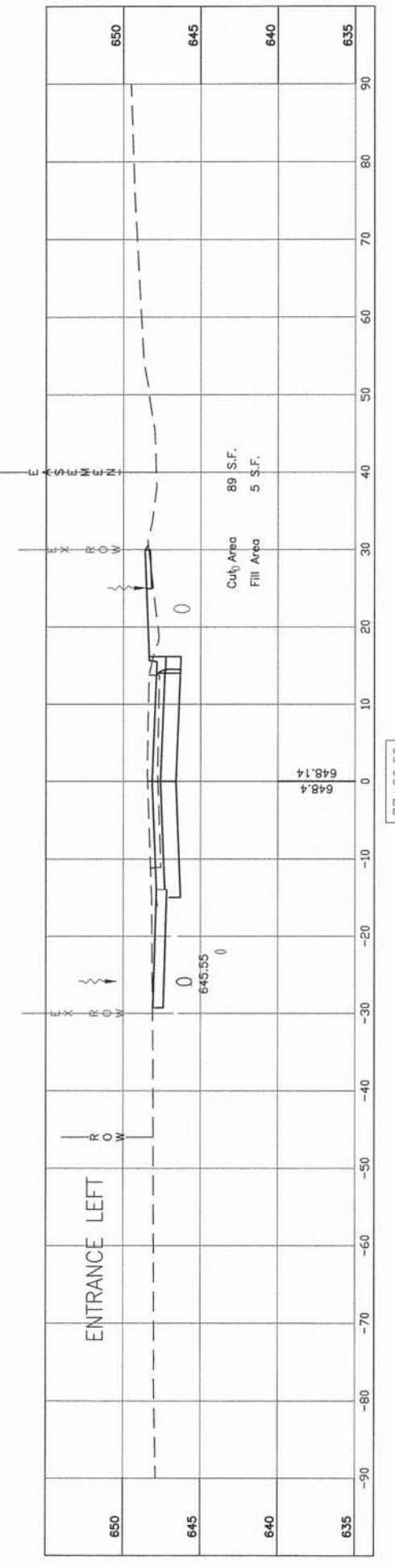
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WLL
 Reviewed By:
 Date:
20 October 2014
 Project No.:
24714003
 Drawing:



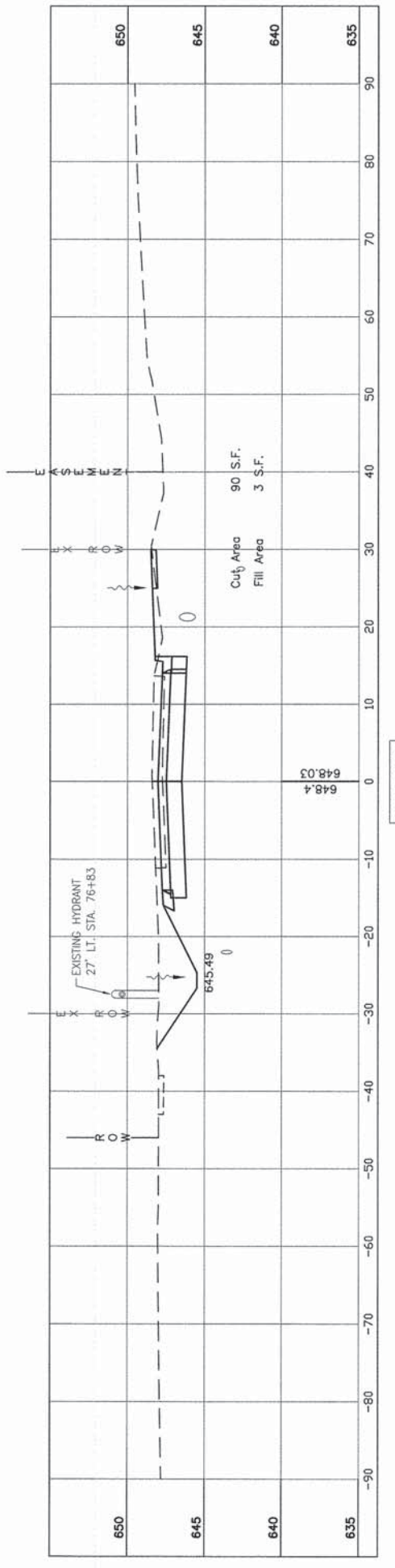
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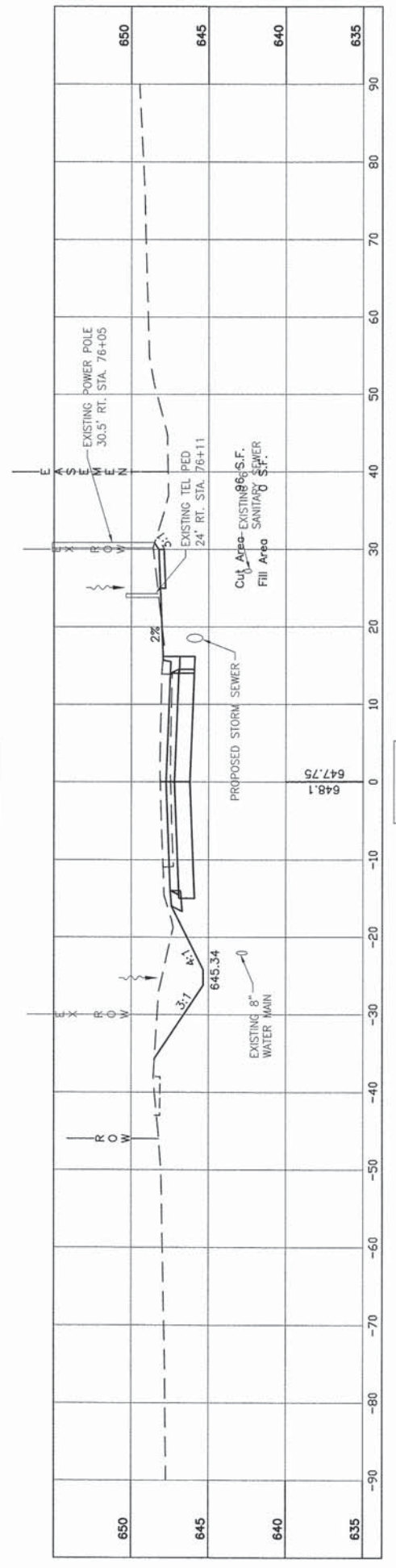
77+50.00



77+20.00



77+00.00



76+50.00

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No.	Date
1	03/07/14

MAURER-STUTZ
ENGINEERS SURVEYORS

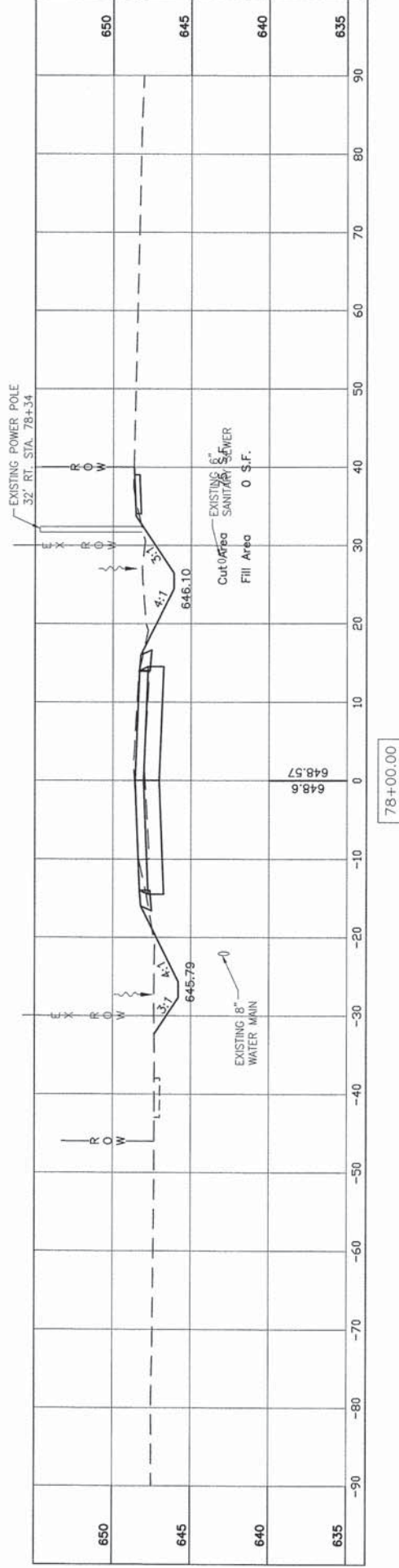
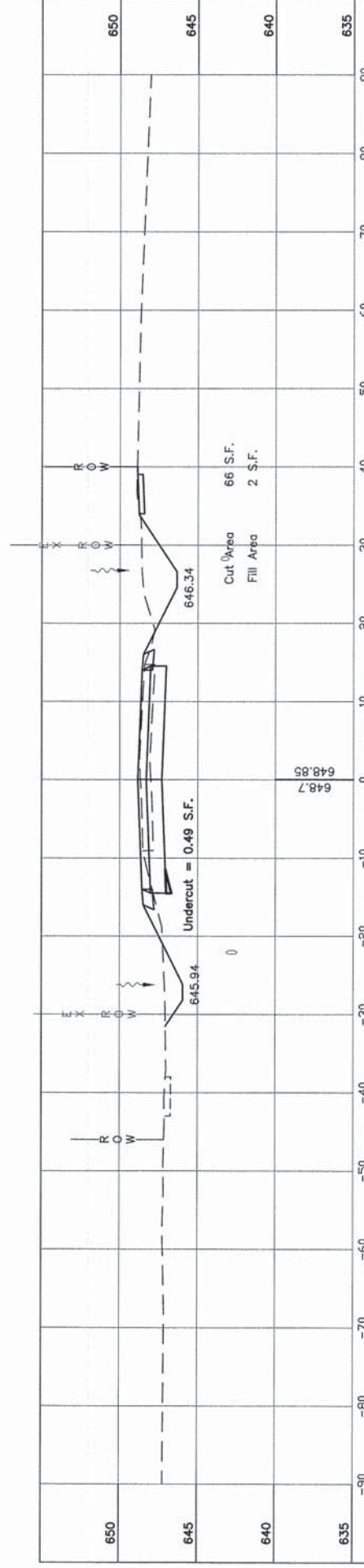
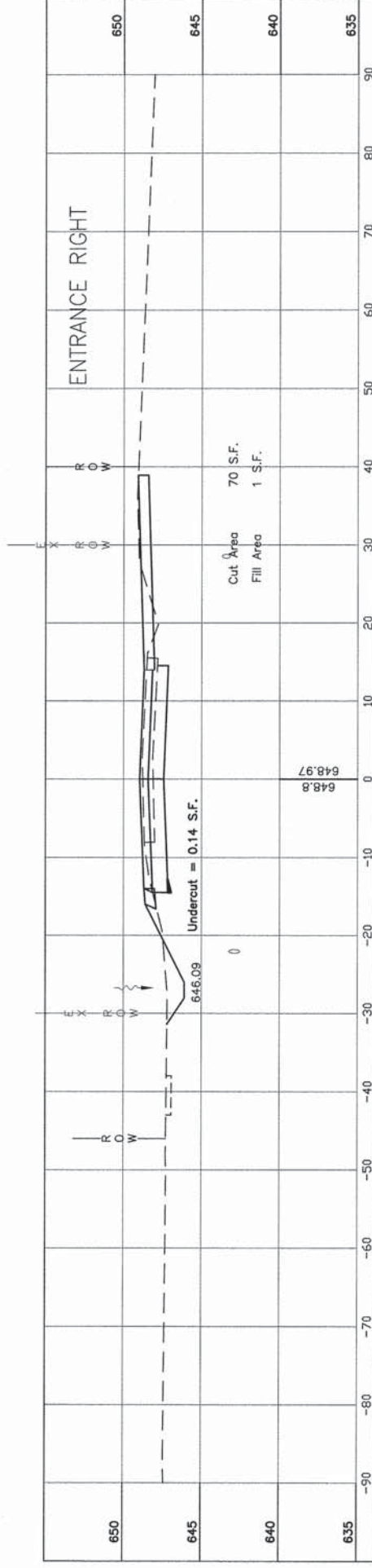
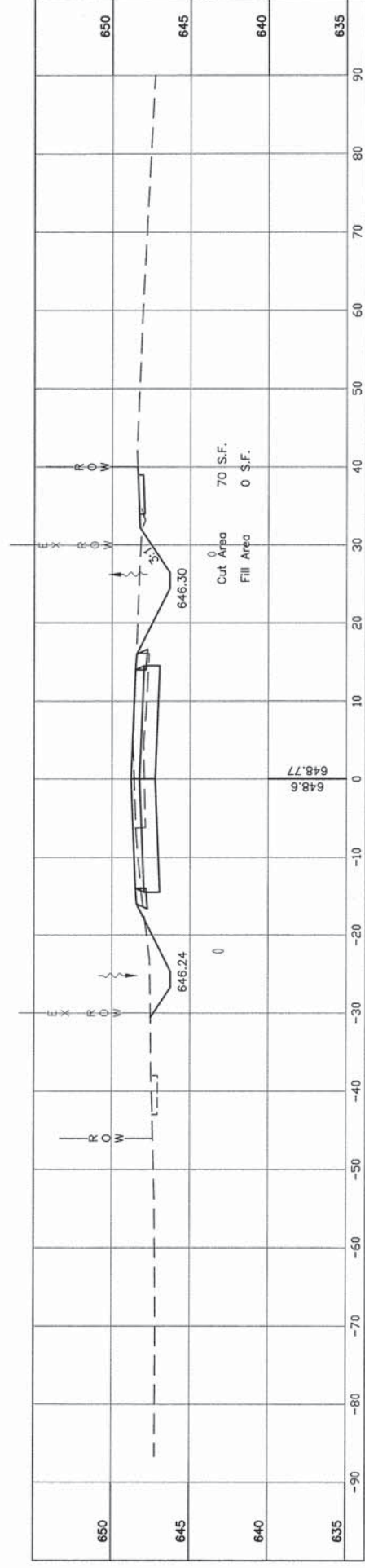
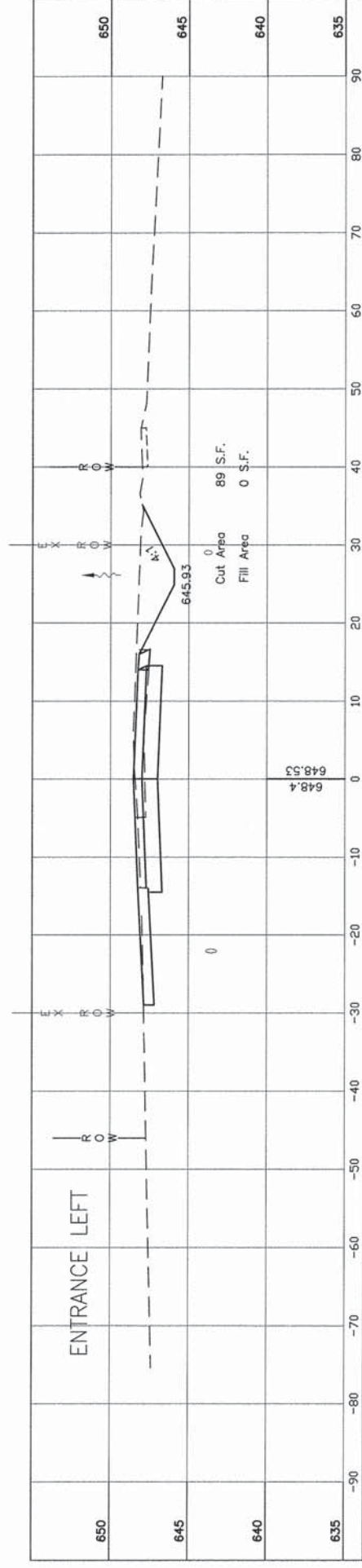
1151 N. ORIEL LANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 815.247.2471
 1151 N. ORIEL LANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 815.247.2471
 1151 N. ORIEL LANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 815.247.2471

Client: CITY OF CANTON, IL

Project: ASH ST. CROSS SECTIONS STA. 76+50.00 TO 77+64.00
 ASH STREET IMPROVEMENTS - PHASE IV AND 20TH AVENUE RECONSTRUCTION

Contract No. 89471

Designed By: GBM
 Drawn By: NDP
 Reviewed By: KJP
 Date: 29 January 2014
 Project No.: 247-10002
 Drawing:



REVISIONS	
No.	Date
1	03/07/14

MAURER-STUTZ
ENGINEERS SURVEYORS

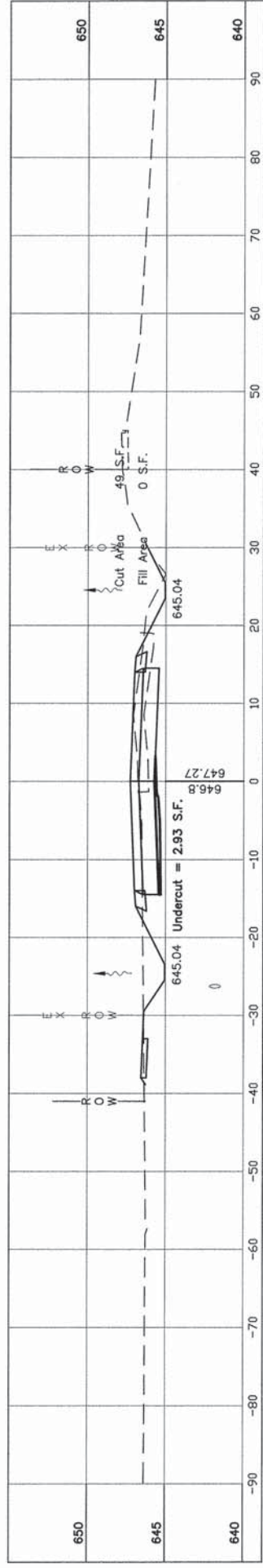
311 N. BRIER LANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 1875 EAST ASH STREET | CANTON, ILLINOIS 61509
PH: (309) 692-7515 | FAX: (309) 693-7016 | PH: (309) 647-7831 | FAX: (309) 647-6115
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-008754
"WORKING WITH YOU by DESIGN"

Client: CITY OF CANTON, IL

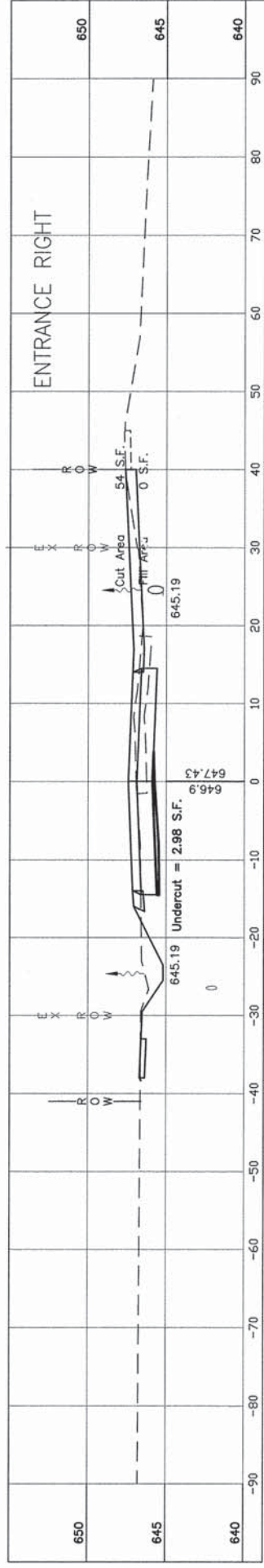
Project: ASH ST. CROSS SECTIONS
STA. 78+00.00 TO 79+86.00
ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

Contract No. 89471

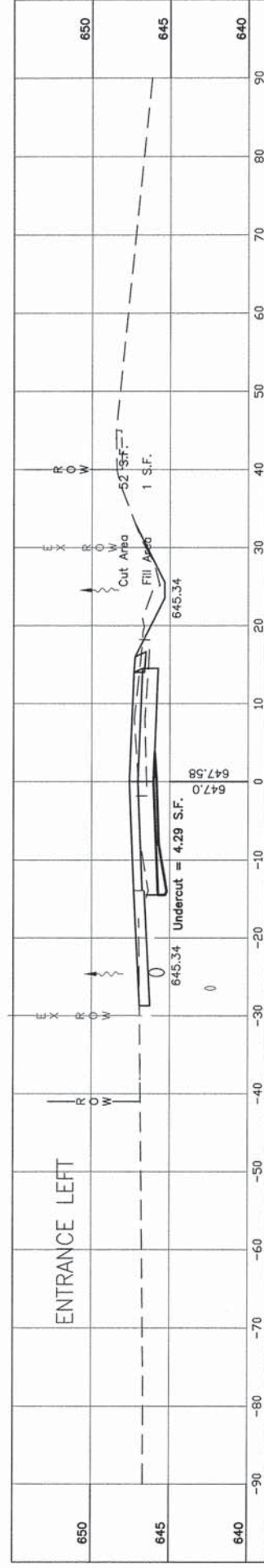
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Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:



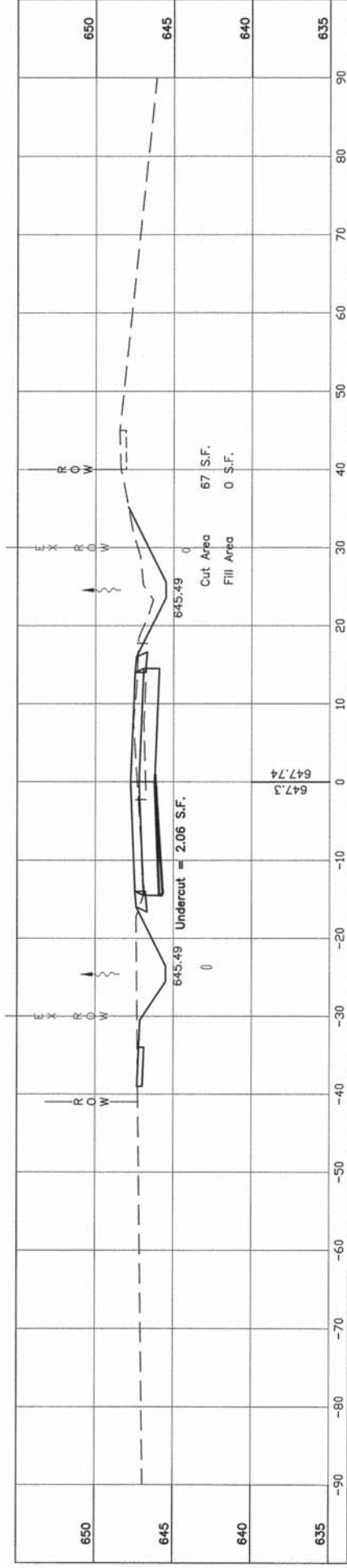
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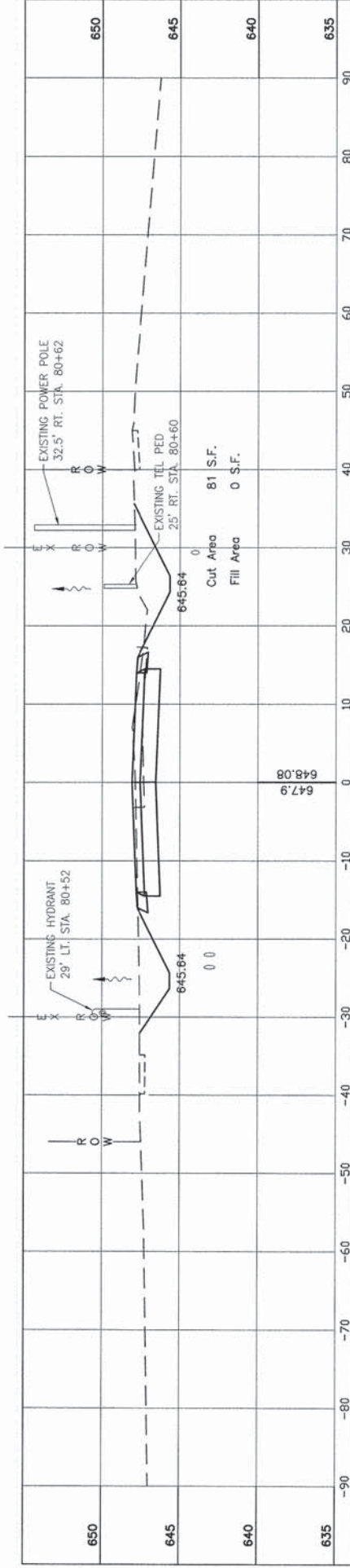
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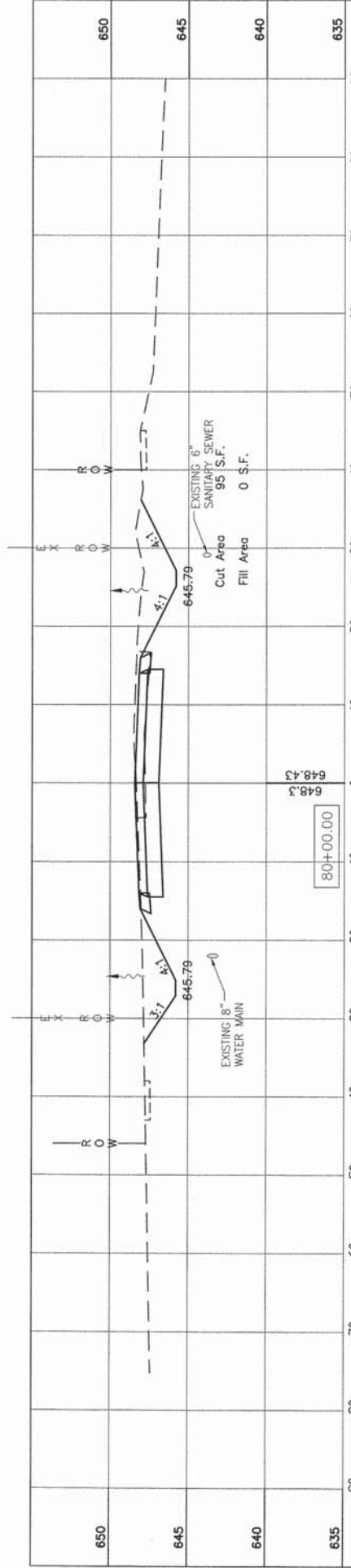
81+50.00



81+00.00



80+50.00



Sheet Title:

**ASH ST. CROSS SECTIONS
STA. 80+00.00 TO 82+50.00**

ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

CITY OF CANTON, IL

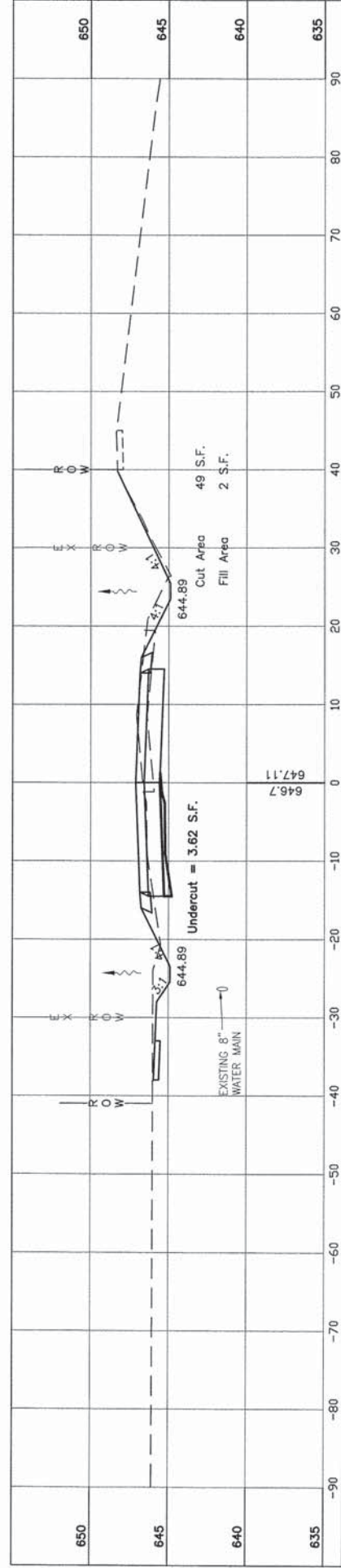
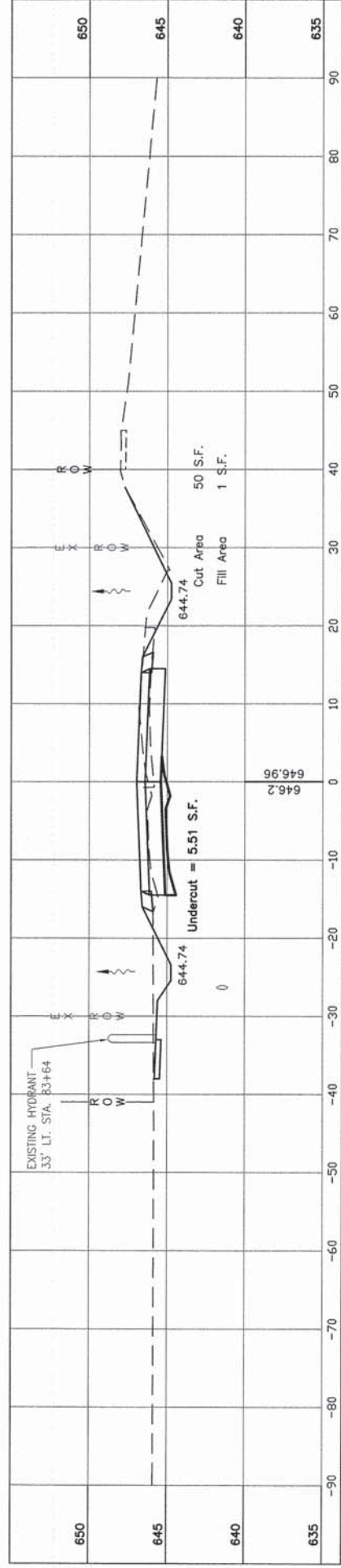
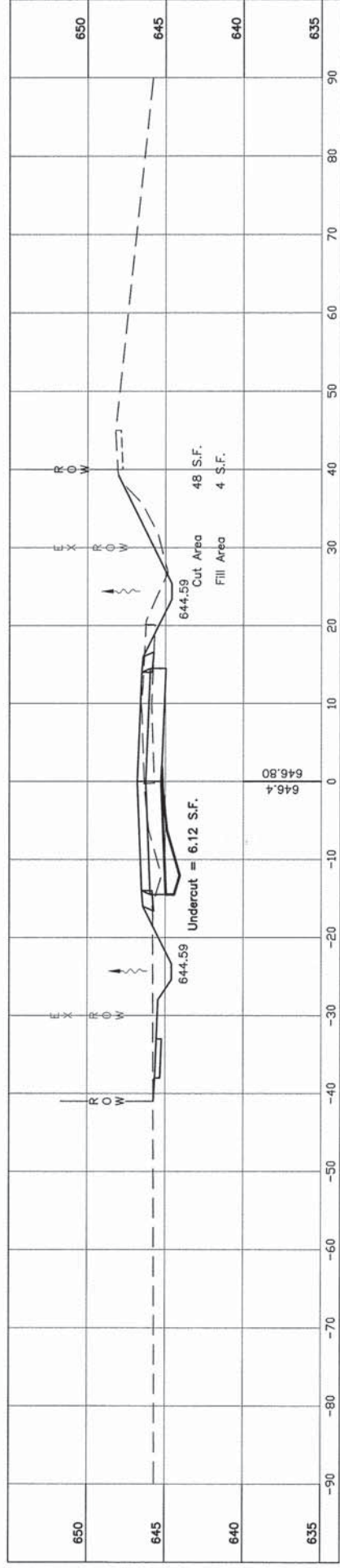
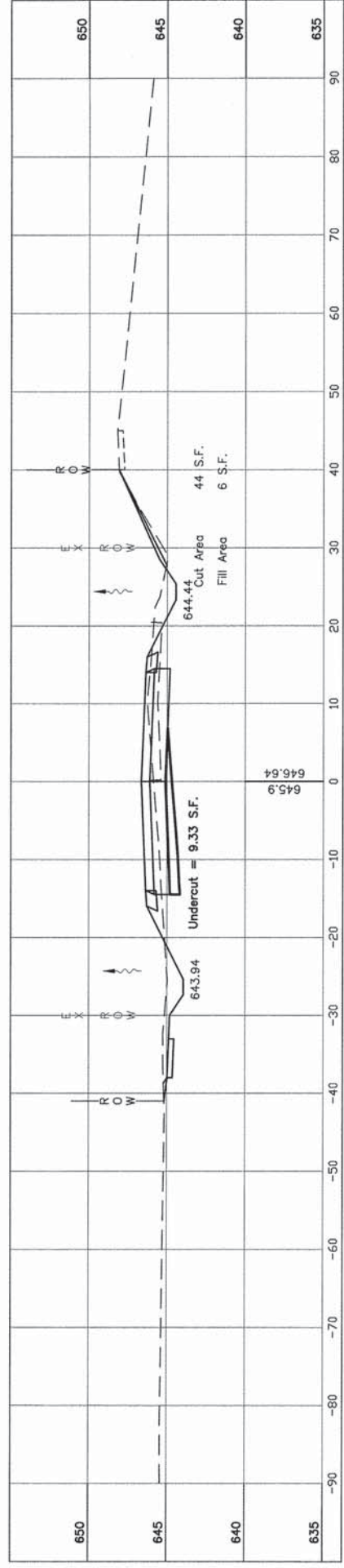
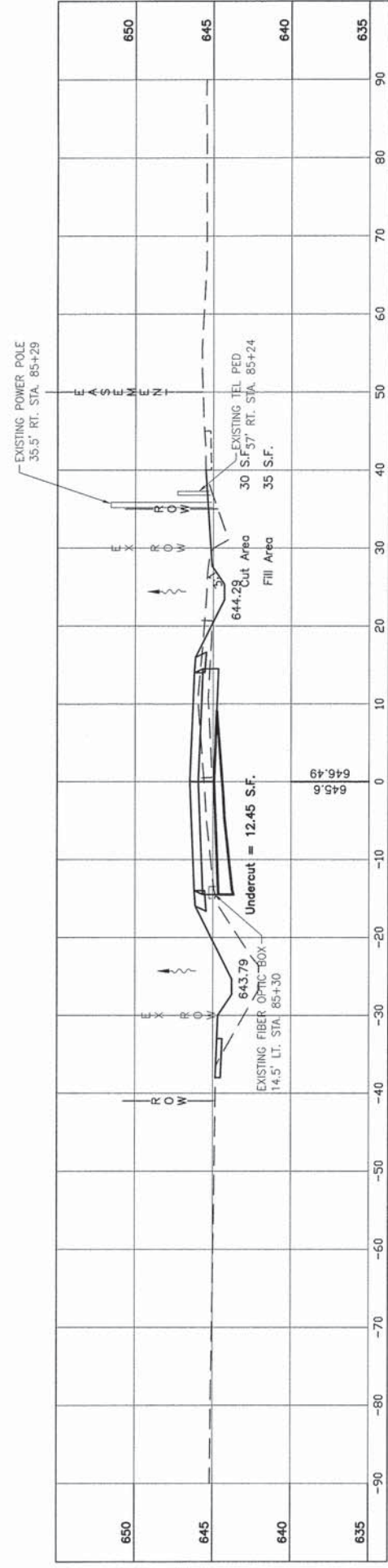
CONTRACT NO. 89471

Client: City of Canton, IL
Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:

REVISIONS	
No.	Description
1	03/07/14 Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

315 N. BIRIEL LANE, SUITE 100 | PEBORA, ILLINOIS 61044 | 2679 EAST ASH STREET | CANTON, ILLINOIS 61520
PH: (309) 597-9253 | FAX: (309) 595-9256 | PH: (309) 647-7831 | FAX: (309) 647-4155
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #384-000734
"WORKING WITH YOU BY DESIGN"



Client: CITY OF CANTON, IL

Designed By: GBM

Drawn By: NDP

Reviewed By: KJP

Date: 29 January 2014

Project No.: 247-10002

Drawing:

CONTRACT NO. 89471

ASH ST. CROSS SECTIONS
STA. 83+00.00 TO 85+00.00
ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

Sheet Title:

Project:

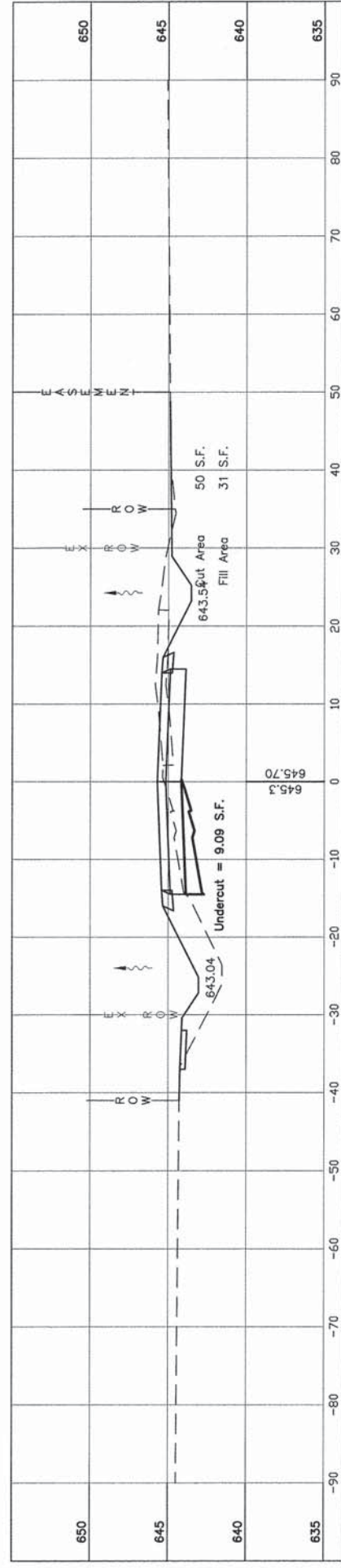


1115 N. CHESTNUT, SUITE 100 | PEORIA, ILLINOIS 61604 1470 EAST ASH STREET | CANTON, ILLINOIS 61820
PH. (309) 692-7415 | FAX (309) 693-7416 PH. (309) 642-7831 | FAX (309) 647-4335
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #384-000754

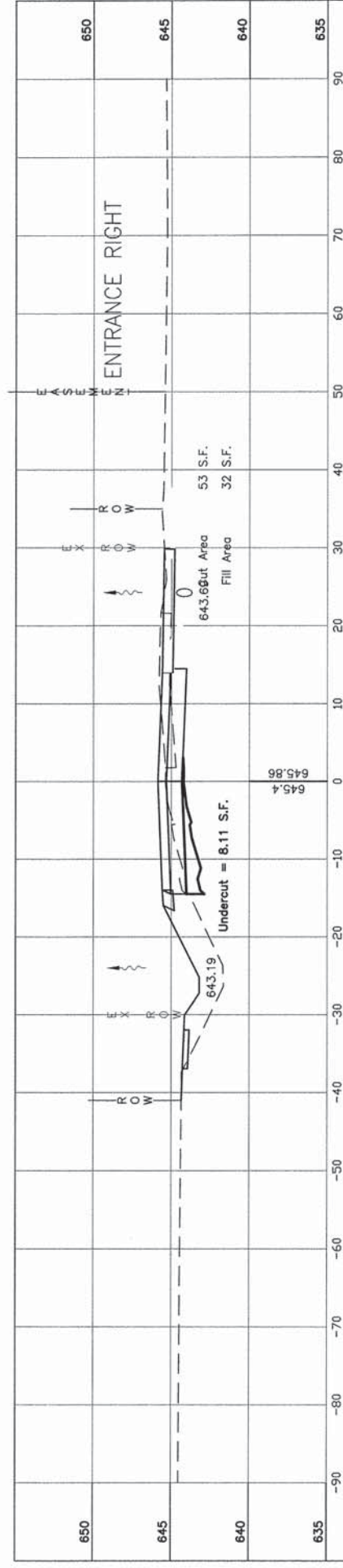
"WORKING with YOU by DESIGN"

REVISIONS

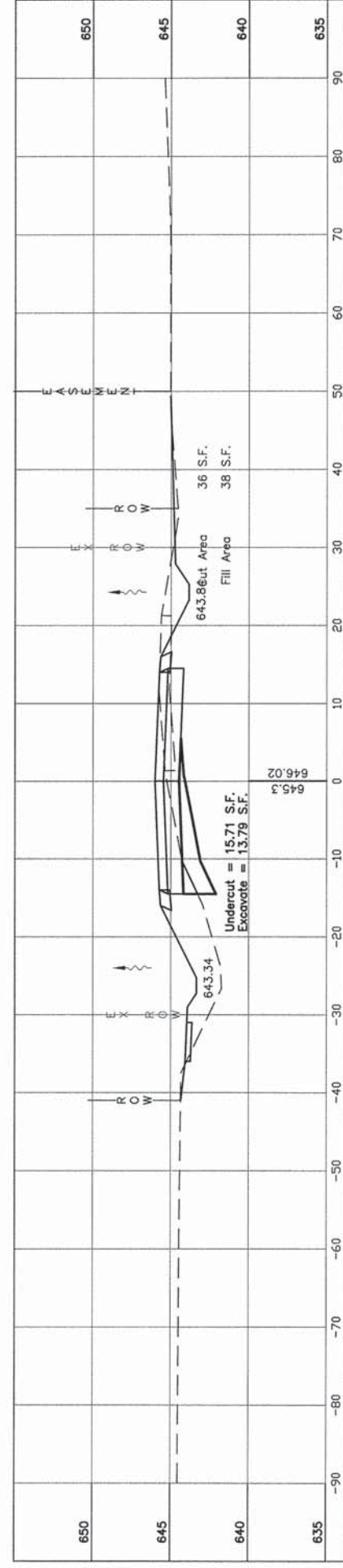
No.	Date	Description
1	03/07/14	Per Review



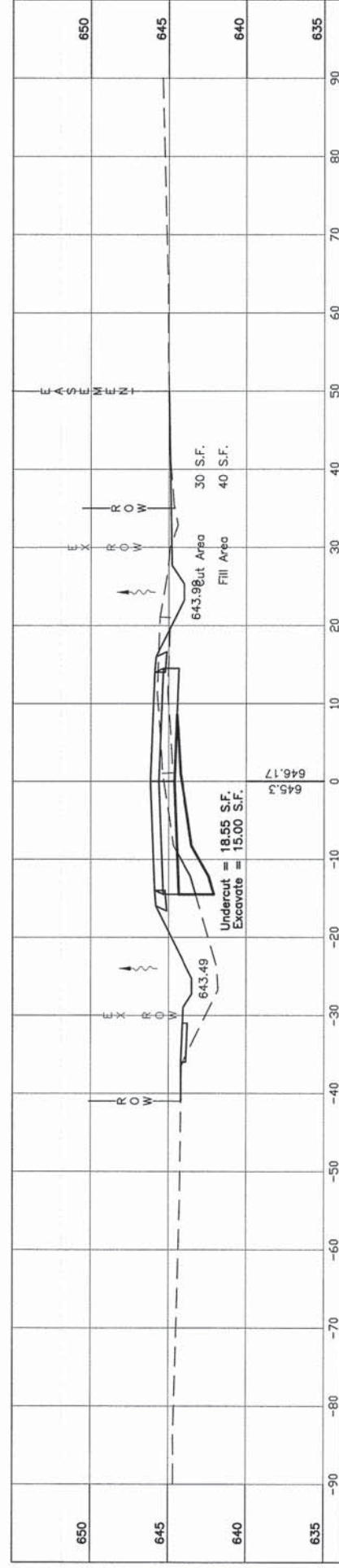
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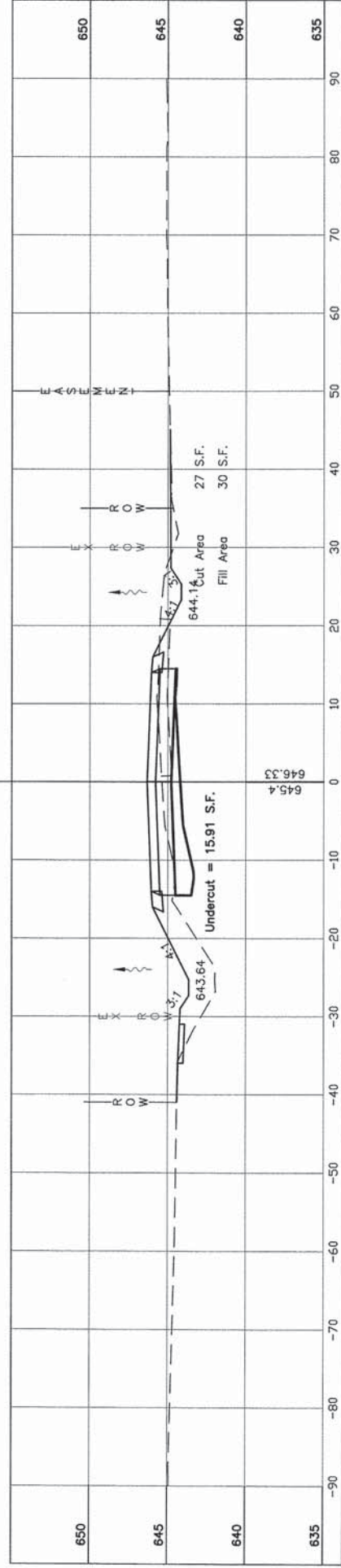
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86+50.00



86+00.00



85+50.00

**ASH ST. CROSS SECTIONS
STA. 85+50.00 TO 87+50.00**

ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

CITY OF CANTON, IL

Client:
Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:

CONTRACT NO. 89471

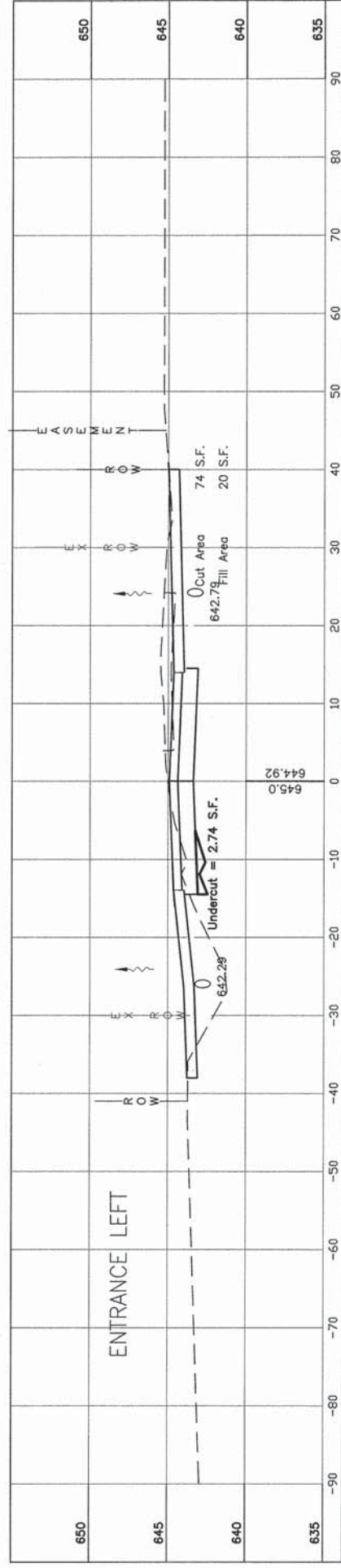
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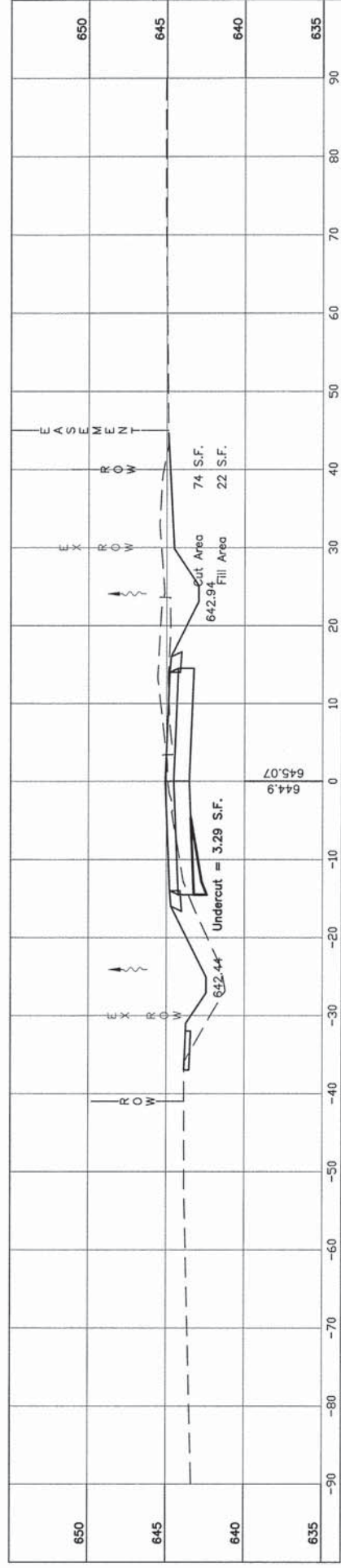
REVISIONS	DATE	DESCRIPTION
1	03/07/14	Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

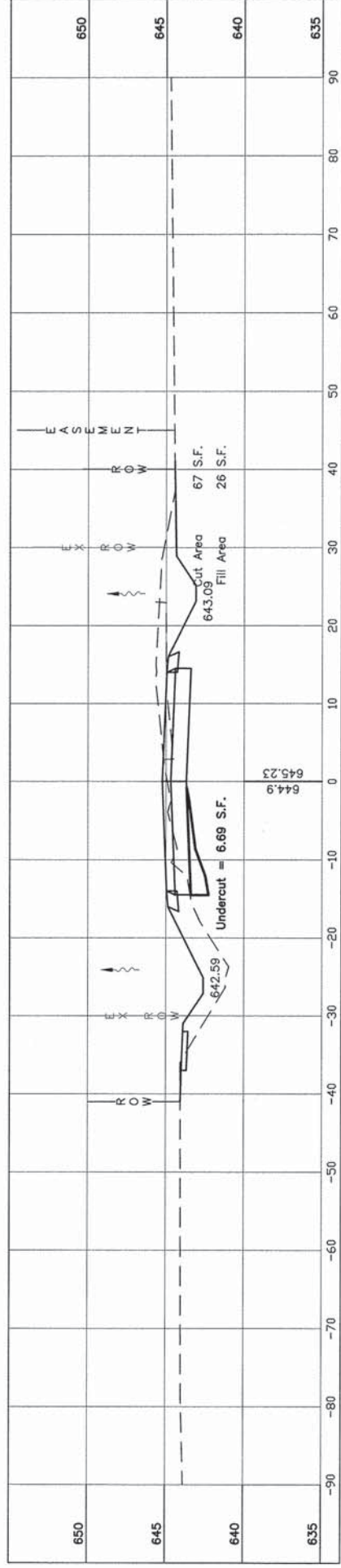
3115 N. BIRCHLAKE SUITE 101 | PROLA, ILLINOIS 61064 | 2679 EAST ASH STREET | CANTON, ILLINOIS 61520
PH: (309) 667-7165 | FAX: (309) 667-7161 | TOLL FREE: (800) 647-4115
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-002754
"WORKING WITH YOU BY DESIGN"



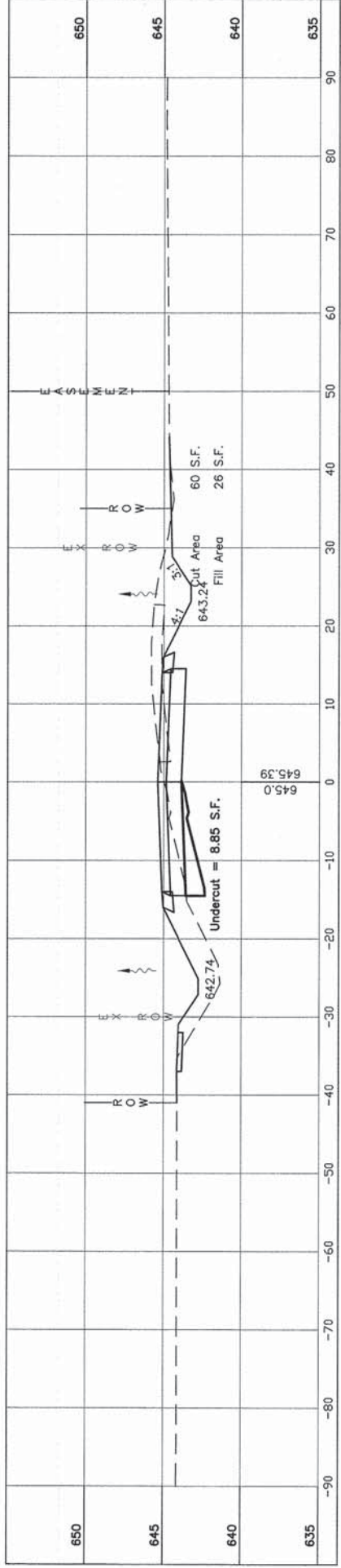
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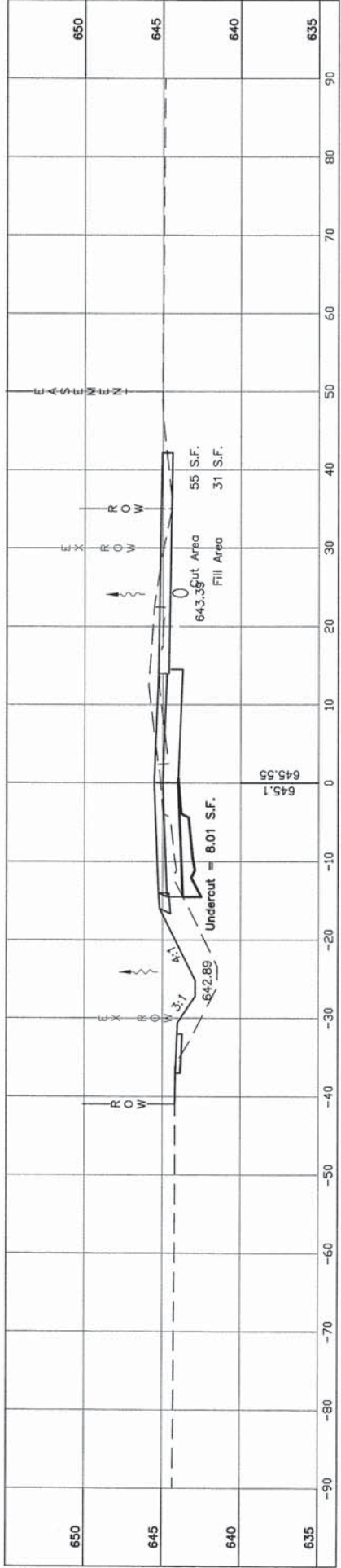
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88+50.00



88+00.00

**ASH ST. CROSS SECTIONS
STA. 88+00.00 TO 90+00.00**

**ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION**

CITY OF CANTON, IL

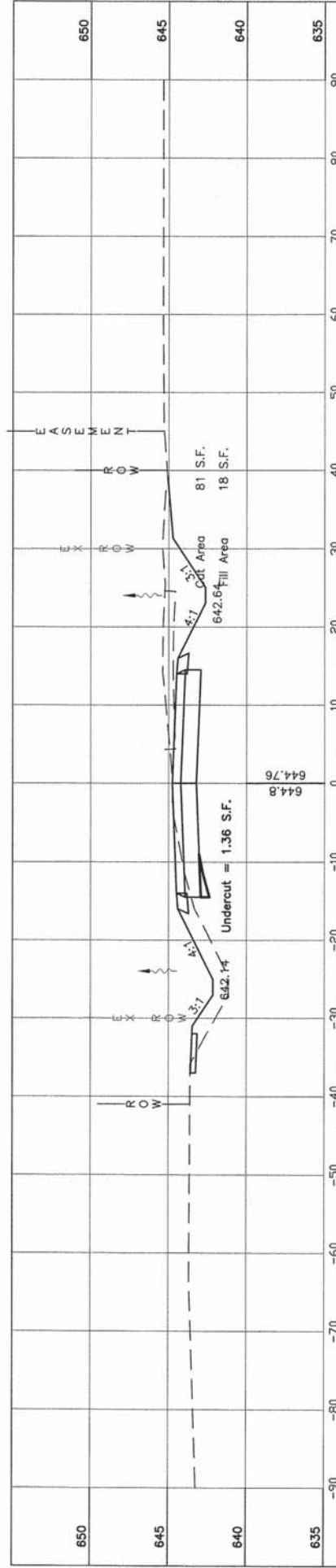
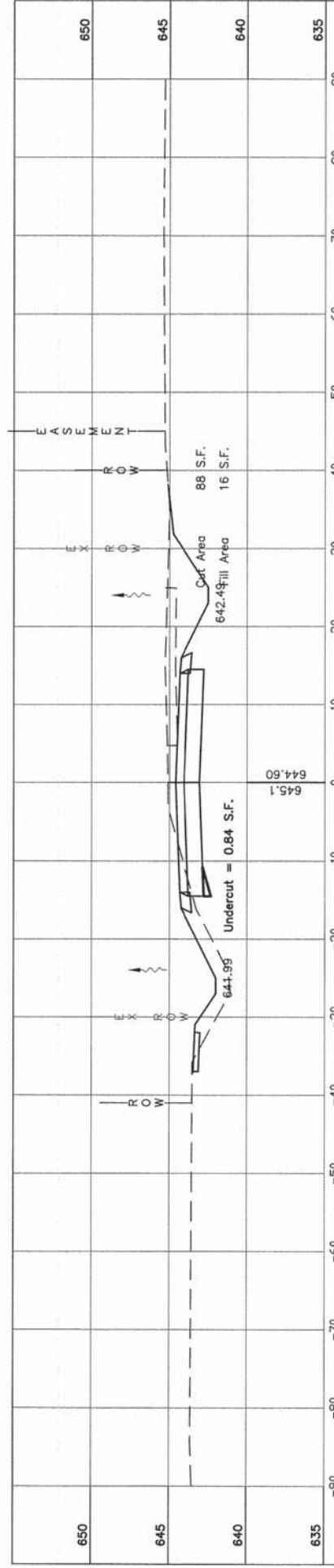
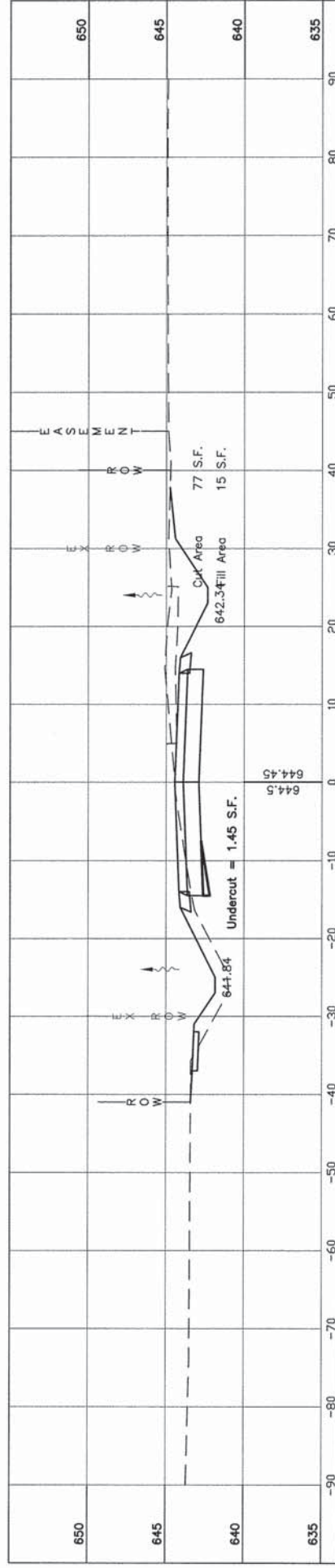
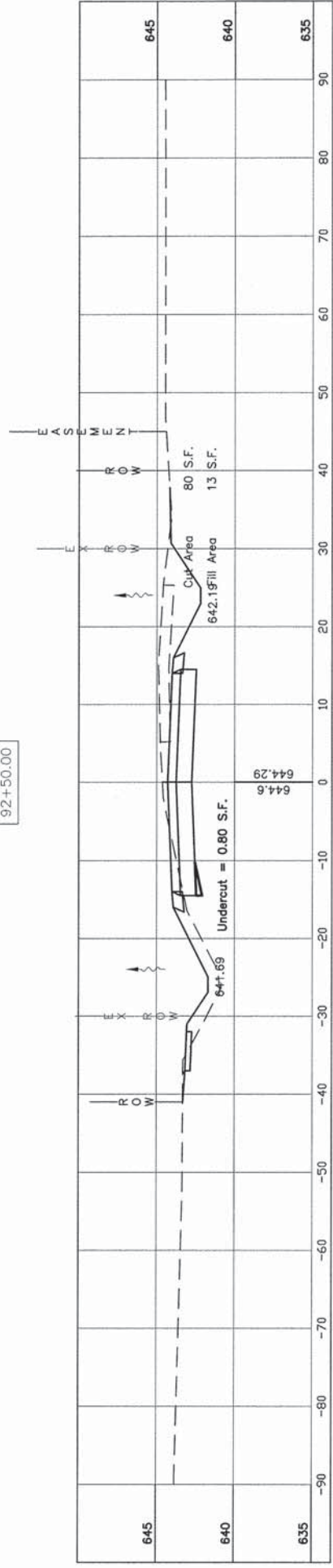
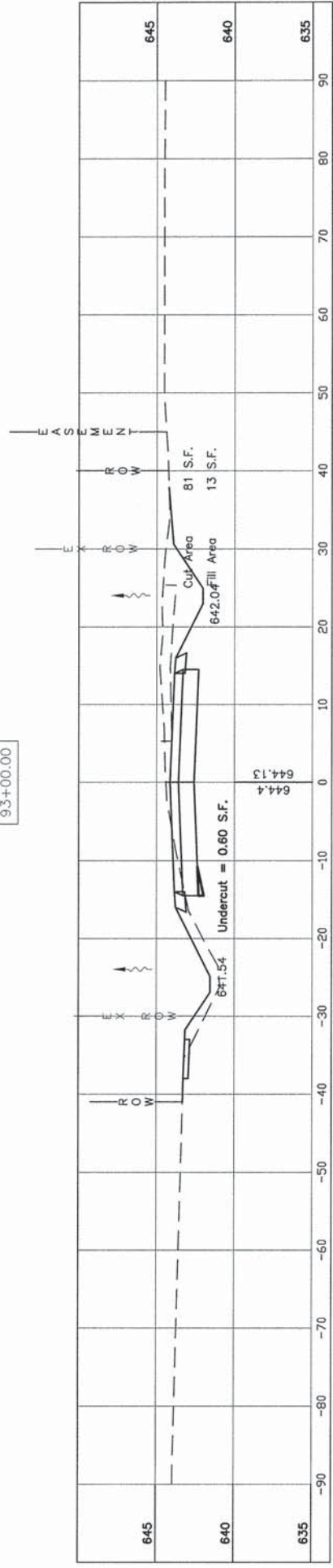
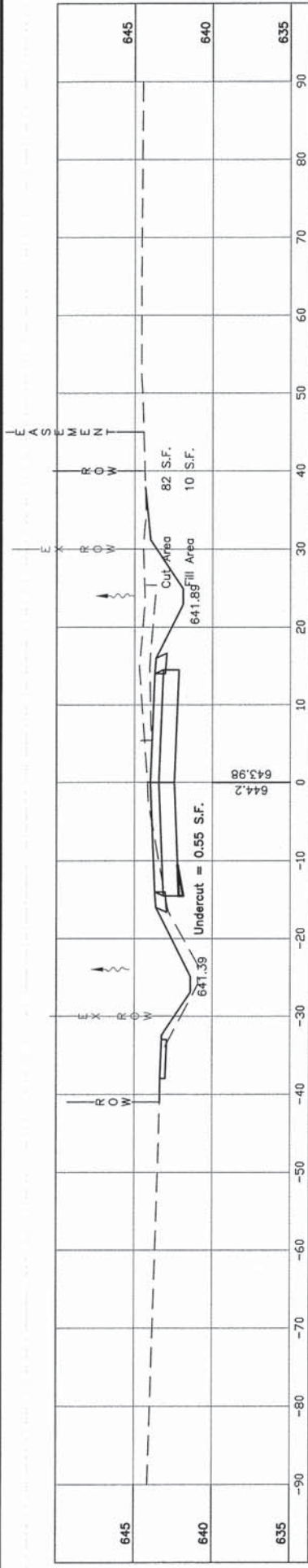
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 Designed By: GBM
 Drawn By: NDP
 Reviewed By: KJP
 Date: 29 January 2014
 Project No.: 247-10002
 Drawing:

CONTRACT NO. 89471



3116 N. WASHINGTON STREET | FARMINGTON, ILLINOIS 62424
 TEL: (618) 651-1144 | FAX: (618) 651-1145
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #154-003754
 "WORKING WITH YOU BY DESIGN"

NO.	DATE	DESCRIPTION
1	03/27/14	Per Revision



No.	Date	Description
1	03/07/14	Per Review

MAURER-STUTZ
ENGINEERS SURVEYORS

8115 N. ORIELAINE, SUITE 300 | FERRIS, ILLINOIS 61004 | 1470 EAST ASH STREET | CANTON, ILLINOIS 61530
PH: (309) 647-7515 | FAX: (309) 647-7516 | ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #334-009754

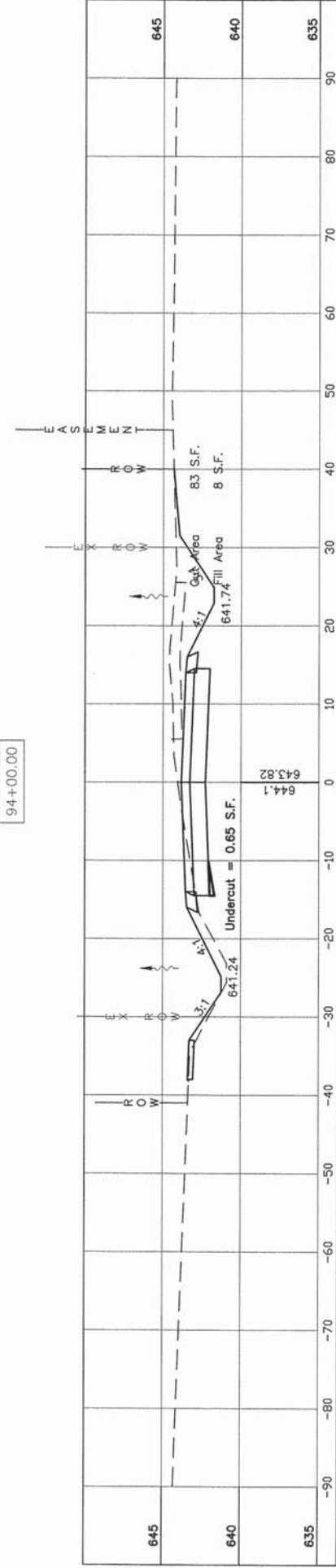
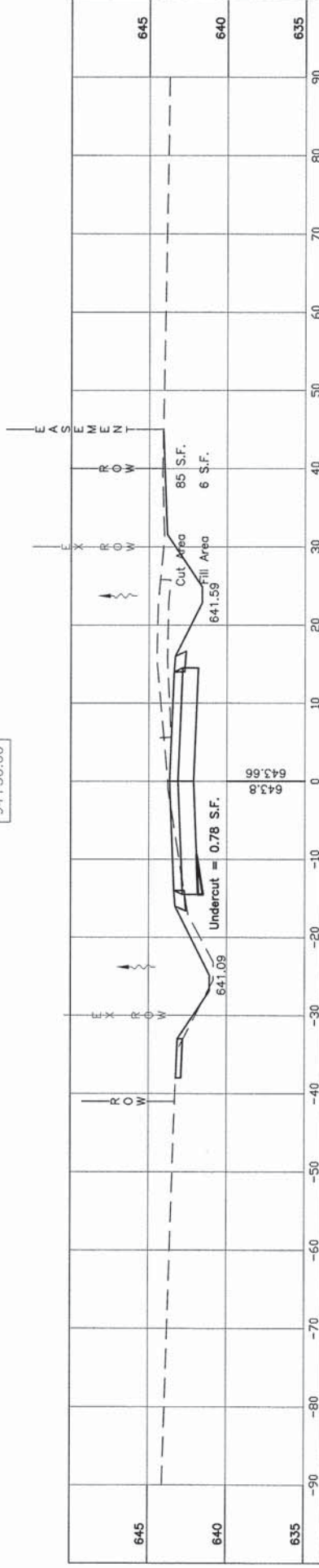
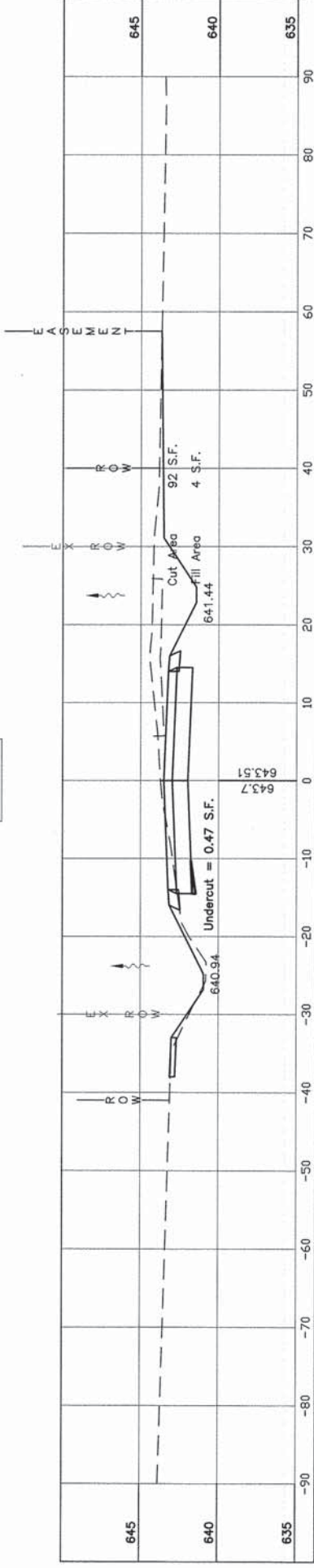
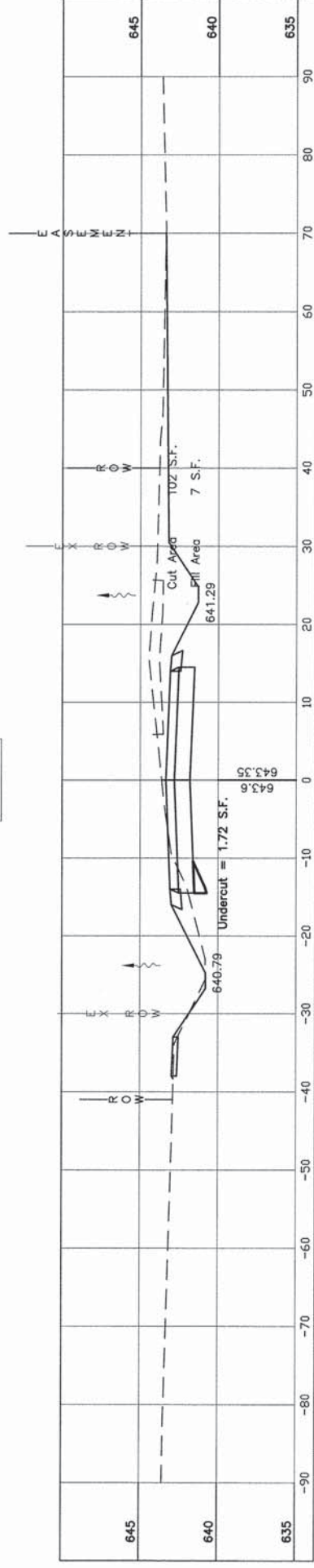
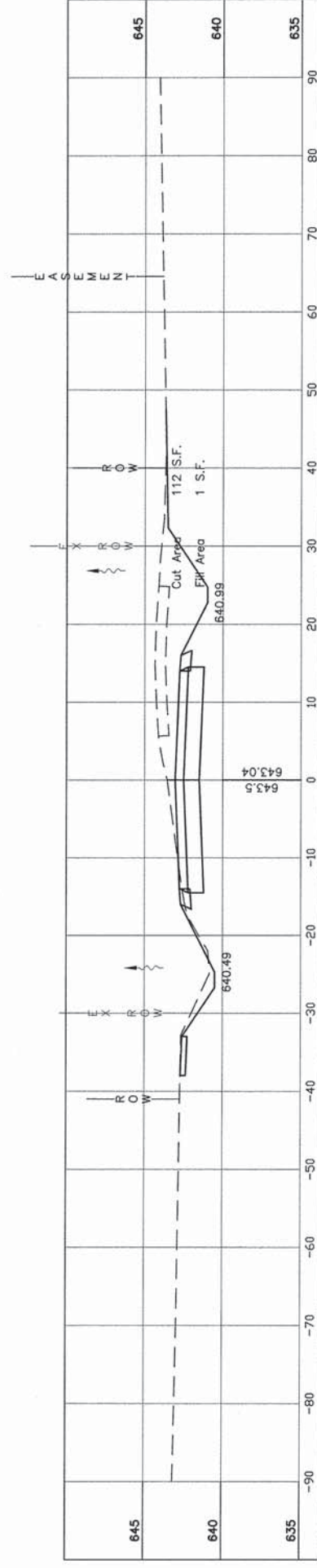
"WORKING WITH YOU by DESIGN"

Client: CITY OF CANTON, IL

Project: ASH ST. CROSS SECTIONS
STA. 90+50.00 TO 93+00.00
ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

Contract No. 88471

Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:



REVISIONS	
No.	Date

MAURER-STUTZ
ENGINEERS SURVEYORS

3115 N. DRESLENE, SUITE 100 | PEORIA, ILLINOIS 61604
PH: (309) 693-7615 | FAX: (309) 693-7616
1670 EAST ASH STREET | CANTON, ILLINOIS 61530
PH: (309) 647-7831 | FAX: (309) 647-4155
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #334-003754
WORKING WITH YOU by DESIGN

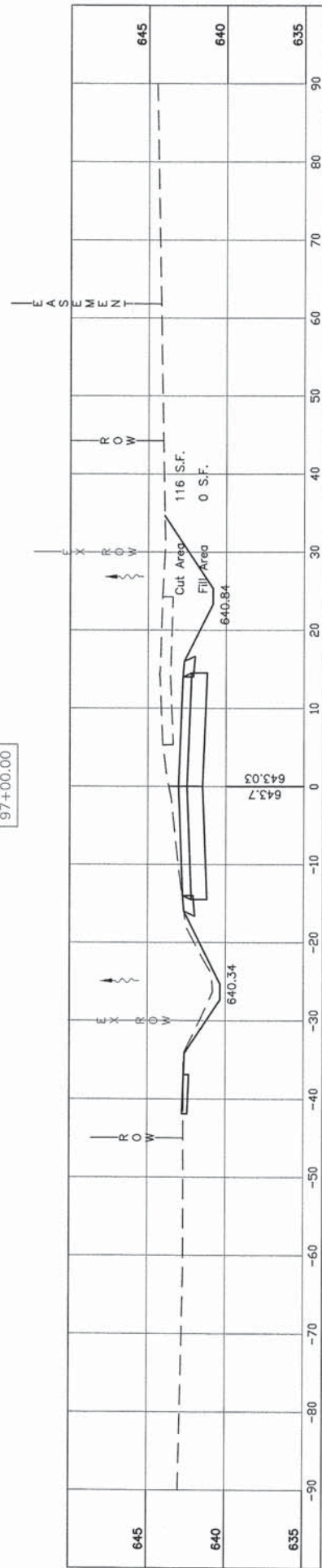
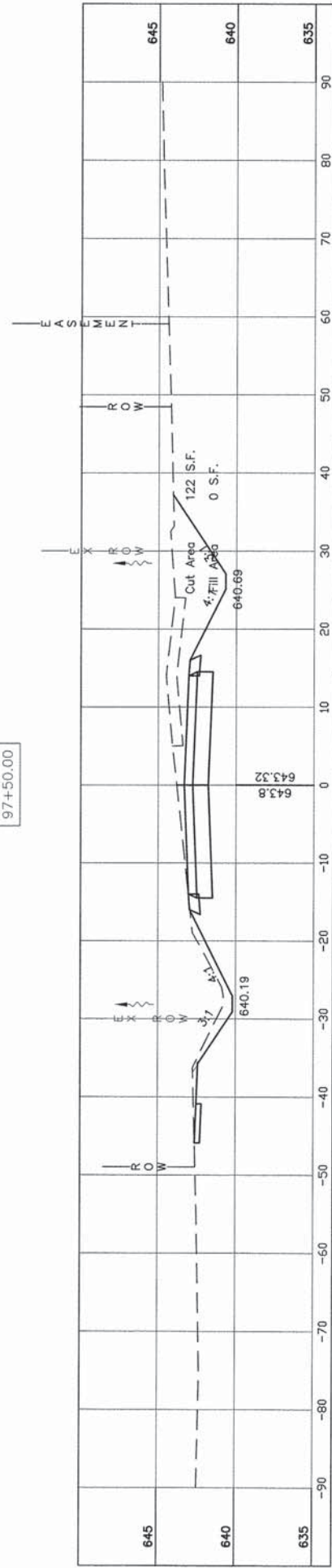
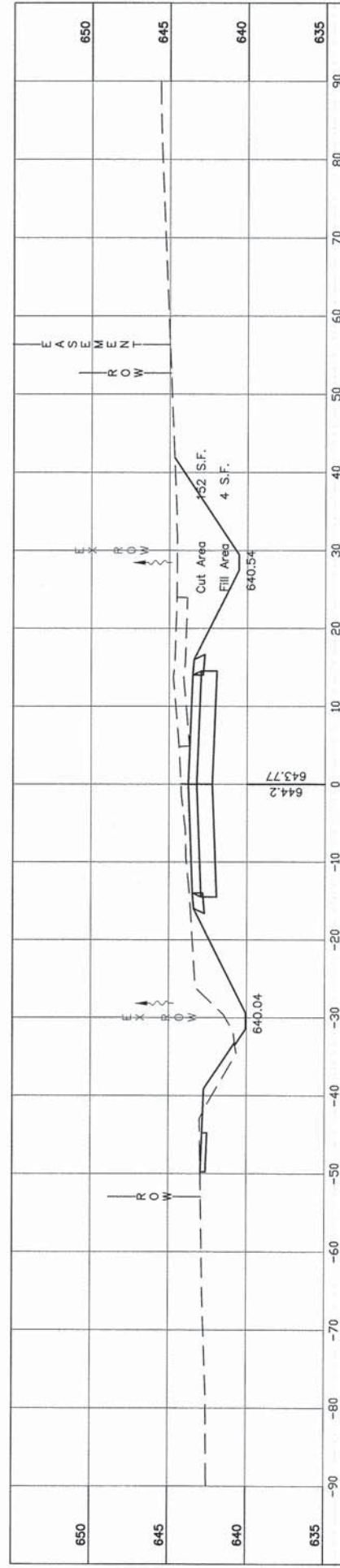
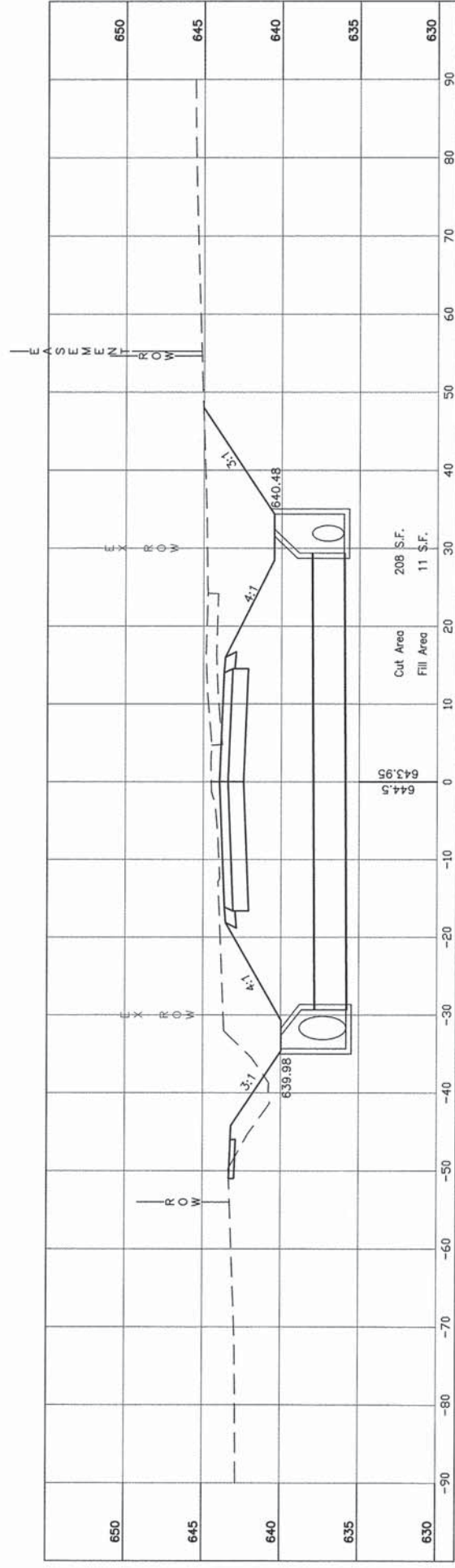
ASH ST. CROSS SECTIONS
STA. 93+50.00 TO 96+00.00

ASH STREET IMPROVEMENTS - PHASE IV AND
20TH AVENUE RECONSTRUCTION

Client: CITY OF CANTON, IL

Contract No. 89471

Designed By: GBM
Drawn By: NDP
Reviewed By: KJP
Date: 29 January 2014
Project No.: 247-10002
Drawing:



ASH ST. CROSS SECTIONS
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 ASH STREET IMPROVEMENTS - PHASE IV AND
 20TH AVENUE RECONSTRUCTION

CITY OF CANTON, IL

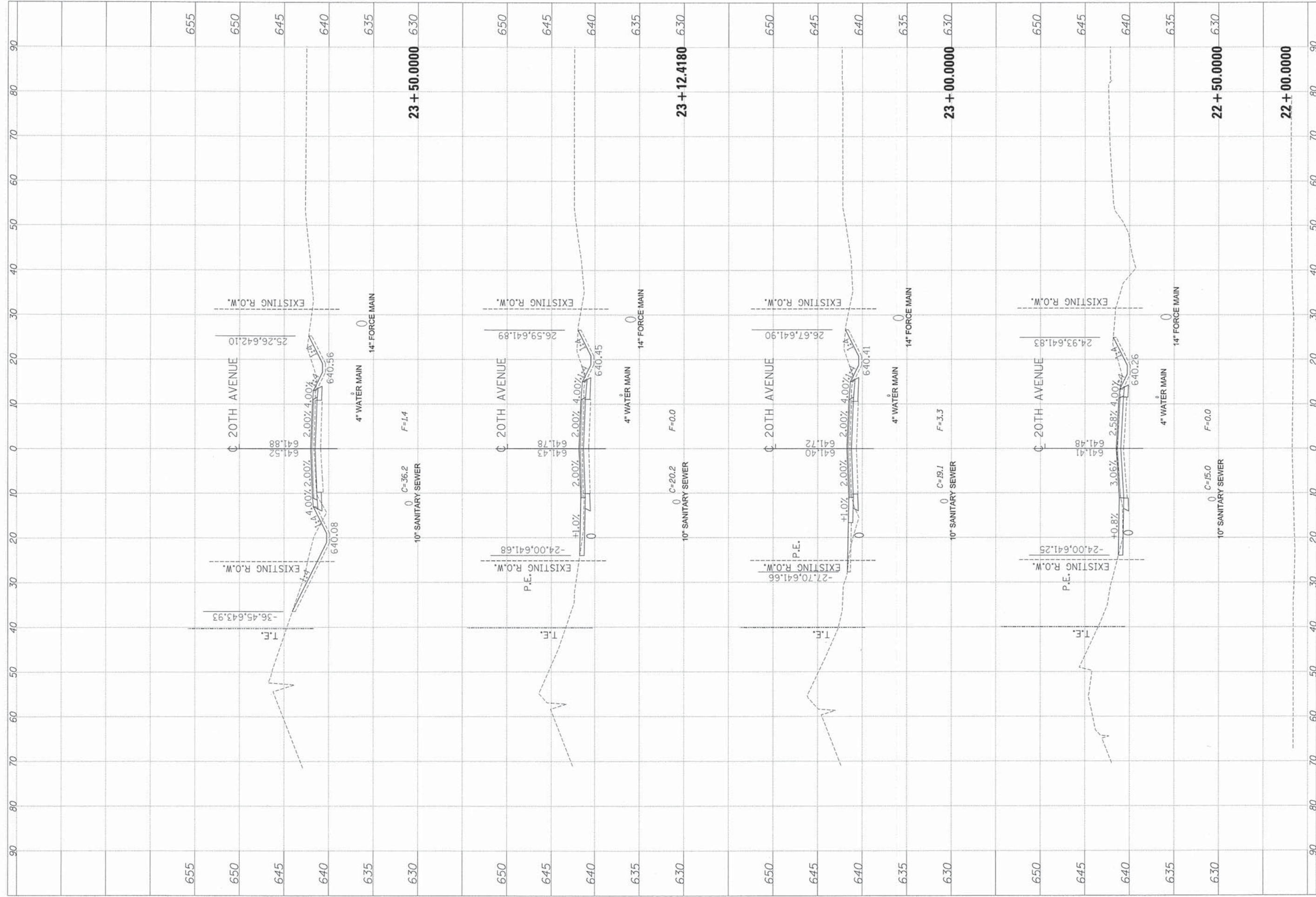
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 Drawn By: NDP
 Reviewed By: KJP
 Date: 29 January 2014
 Project No.: 247-10002
 Drawing:

CONTRACT NO. 89471

REVISIONS	
No.	Date
1	03/07/14
	Per Review

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3116 N. DRIESLANE, SUITE 100 | PERONA, ILLINOIS 61004 | 3070 EAST ASH STREET | CANTON, ILLINOIS 61820
 PH. (309) 693-7615 | FAX (309) 693-7616 | PH. (309) 447-7831 | FAX (309) 447-4335
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-007194
 WORKING WITH YOU by DESIGN

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REV. NO.	DATE	DESCRIPTION

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3115 W. STATE ST., SUITE 100 | CHICAGO, ILLINOIS 60644 | TEL: (773) 447-2811 | FAX: (773) 447-2811
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE 0154-001754
 WORKING WITH YOU BY DESIGN

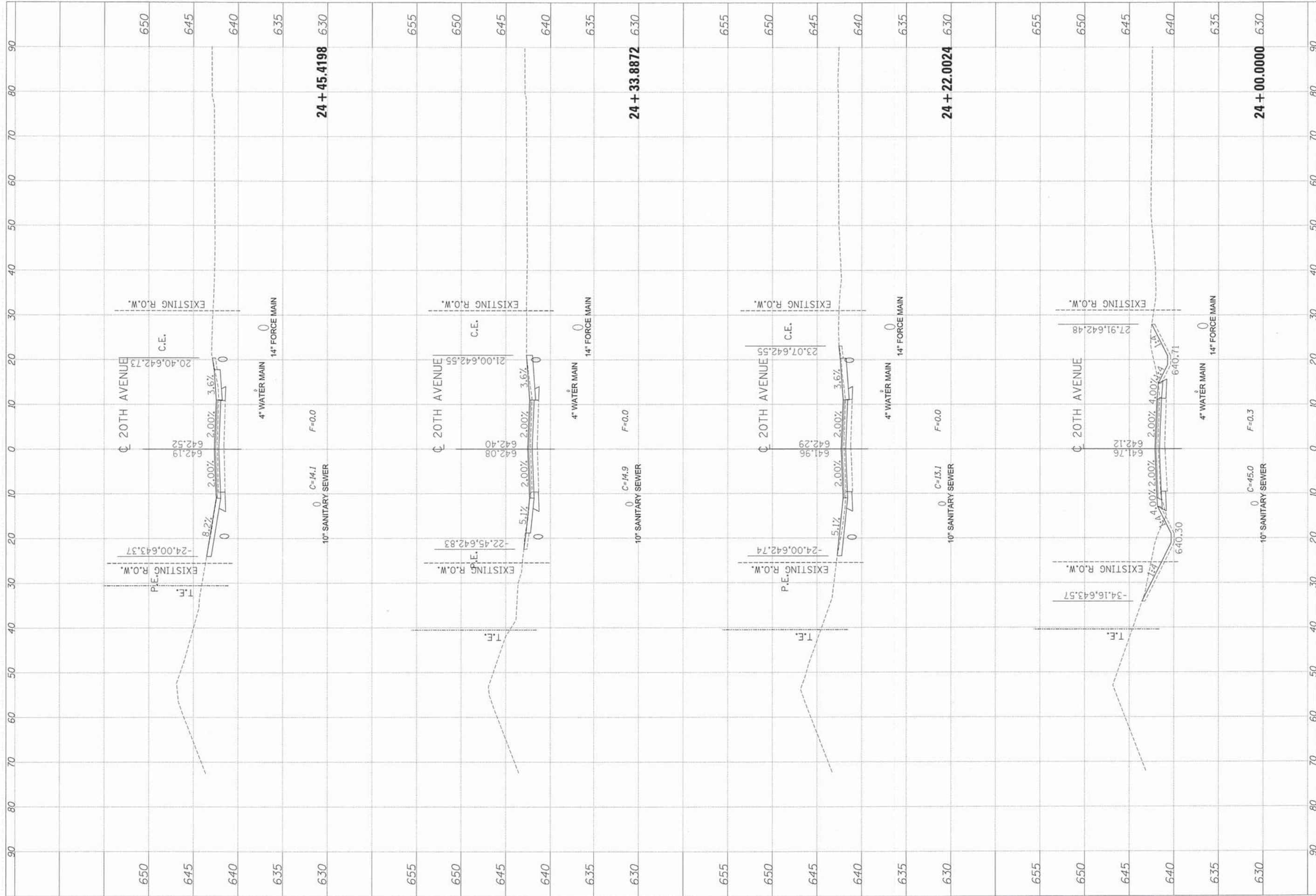
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 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 SECTION: **FULTON**
 CONTRACT NO.: **89471**
 F.A. RTE.: **FULTON**
 COUNTY: **FULTON**

Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:

Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:

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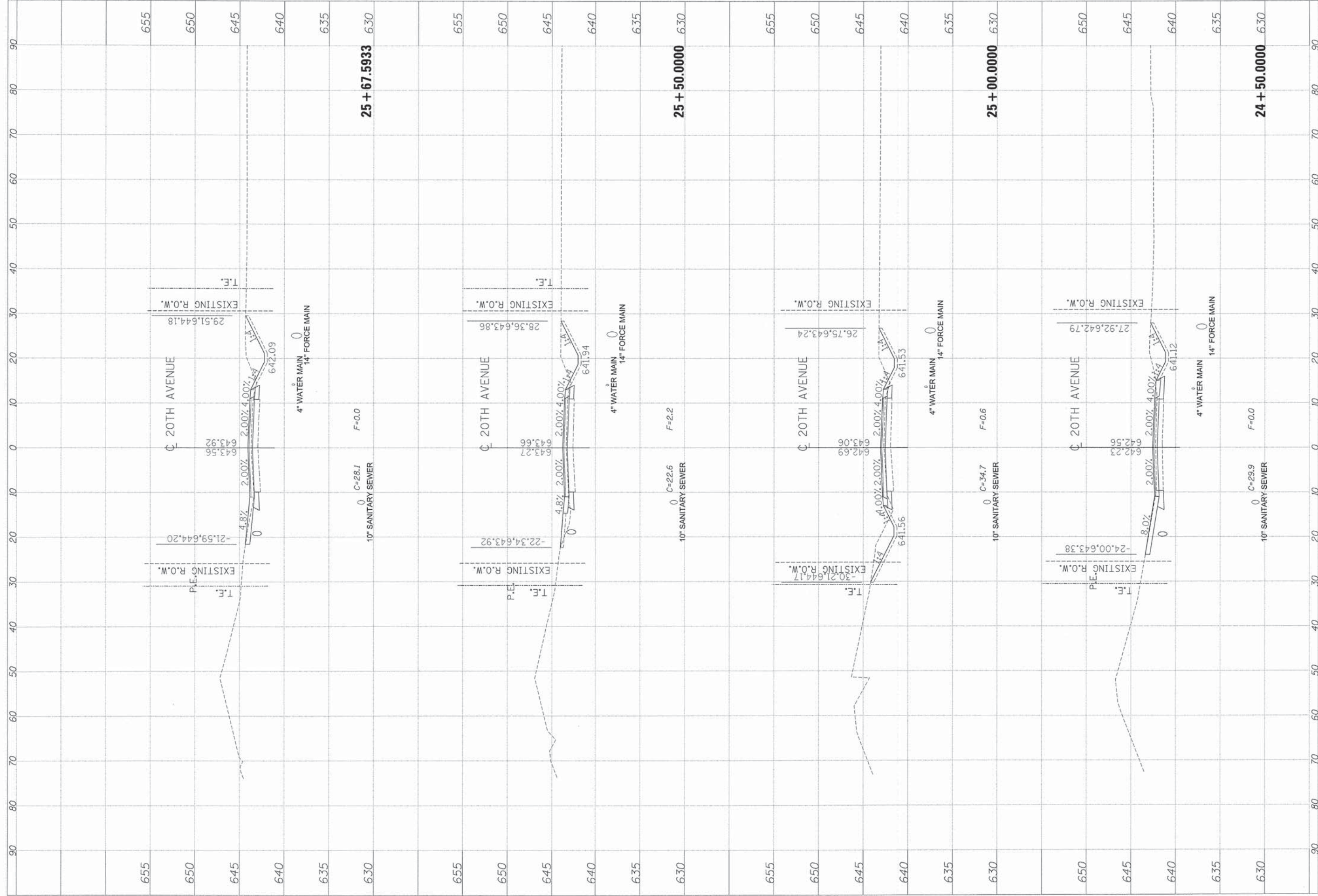


REVISIONS	
No.	Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3115 W. DRES LANE, SUITE 100 | PEBORA, ILLINOIS 61804 | 3070 EAST 45th STREET | CANTON, ILLINOIS 61520
 PH: (309) 697-9121 | FAX: (309) 697-9120 | PCL: (309) 697-9121 | FAX: (309) 697-9120
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #384-009794
 "WORKING WITH YOU by DESIGN"

Client: **CITY OF CANTON, IL**
 Project: **20TH AVE. CROSS SECTIONS**
ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION
 F.A. RTE.: **FULTON** SECTION: **CONTRACT NO.: 89471**
 Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:

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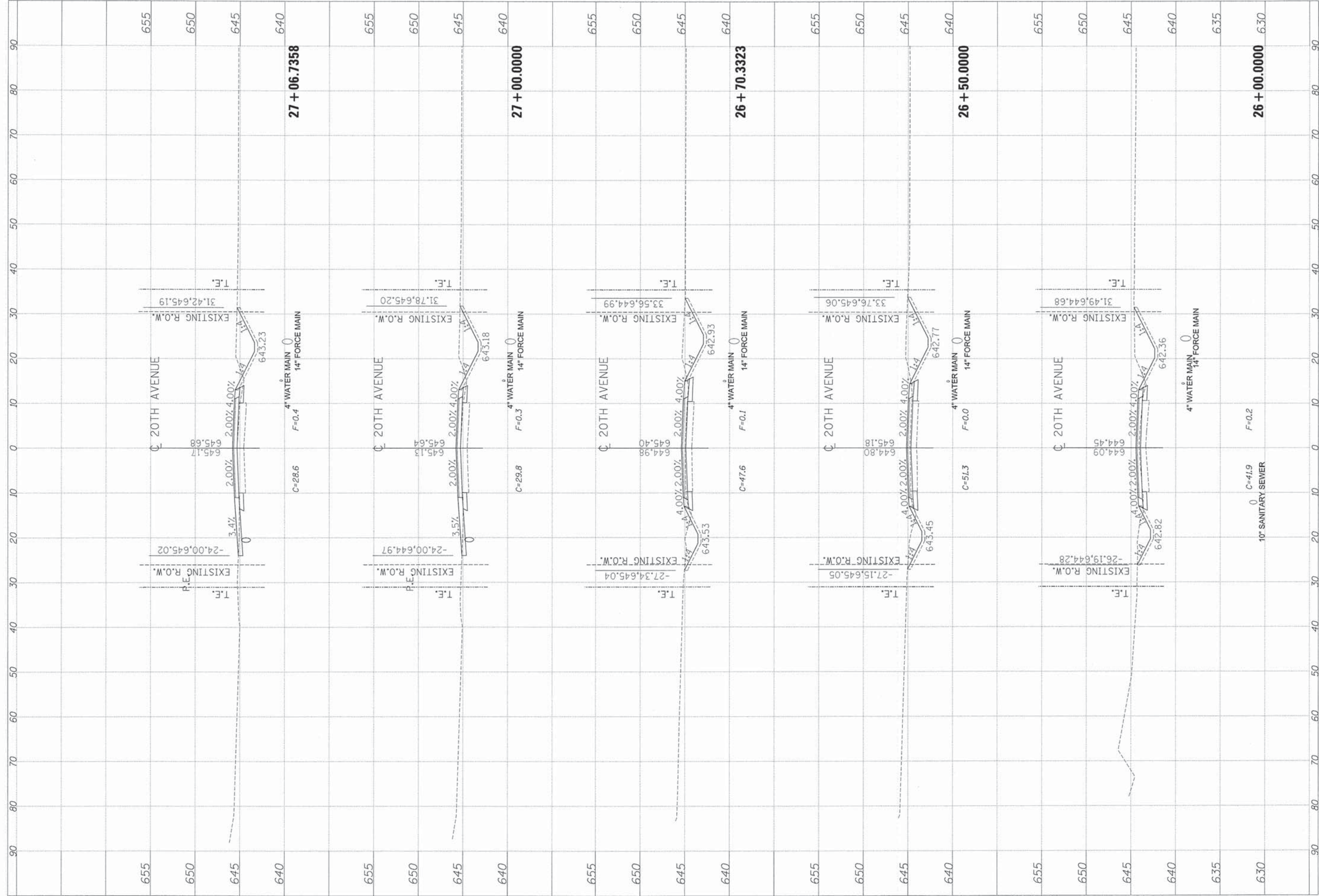


REVISIONS	
No.	Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 315 W. SHELBY ST. SUITE 100 | CHICAGO, ILLINOIS 60604 | 312.642.6400 | FAX: 312.642.6401
 PH: (312) 642-2025 | FAX: (312) 642-7434 | PH: (312) 642-7433 | FAX: (312) 642-7435
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #154-000754
 "WORKING WITH YOU BY DESIGN"

Client: **CITY OF CANTON, IL**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**
 Section: **SECTION: CONTRACT NO.: 89471**
 County: **FULTON**
 F.A. RTE.:
 Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
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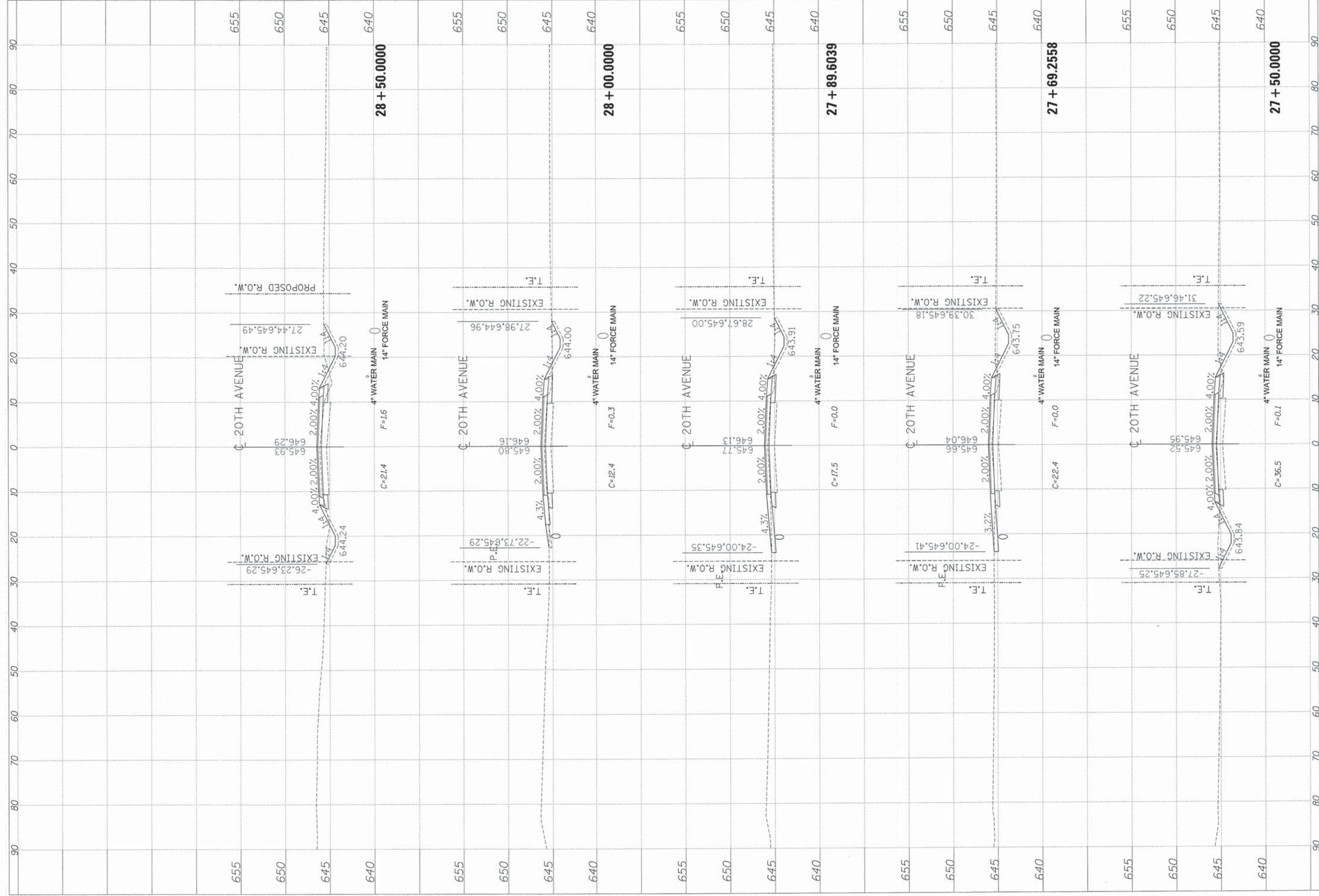
REV. NO.	DATE	DESCRIPTION

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3118 W. BIRDELAKE SUITE 1001, CANTON, ILLINOIS 61804 309.667.6861
 FAX: (309) 667-7001 1144 (309) 697-9141 (309) 697-9142
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #134-000754
 "WORKING WITH YOU BY DESIGN"

Sheet Title: **20TH AVE. CROSS SECTIONS**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 SECTION: **FULTON**
 CONTRACT NO.: **89471**
 Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
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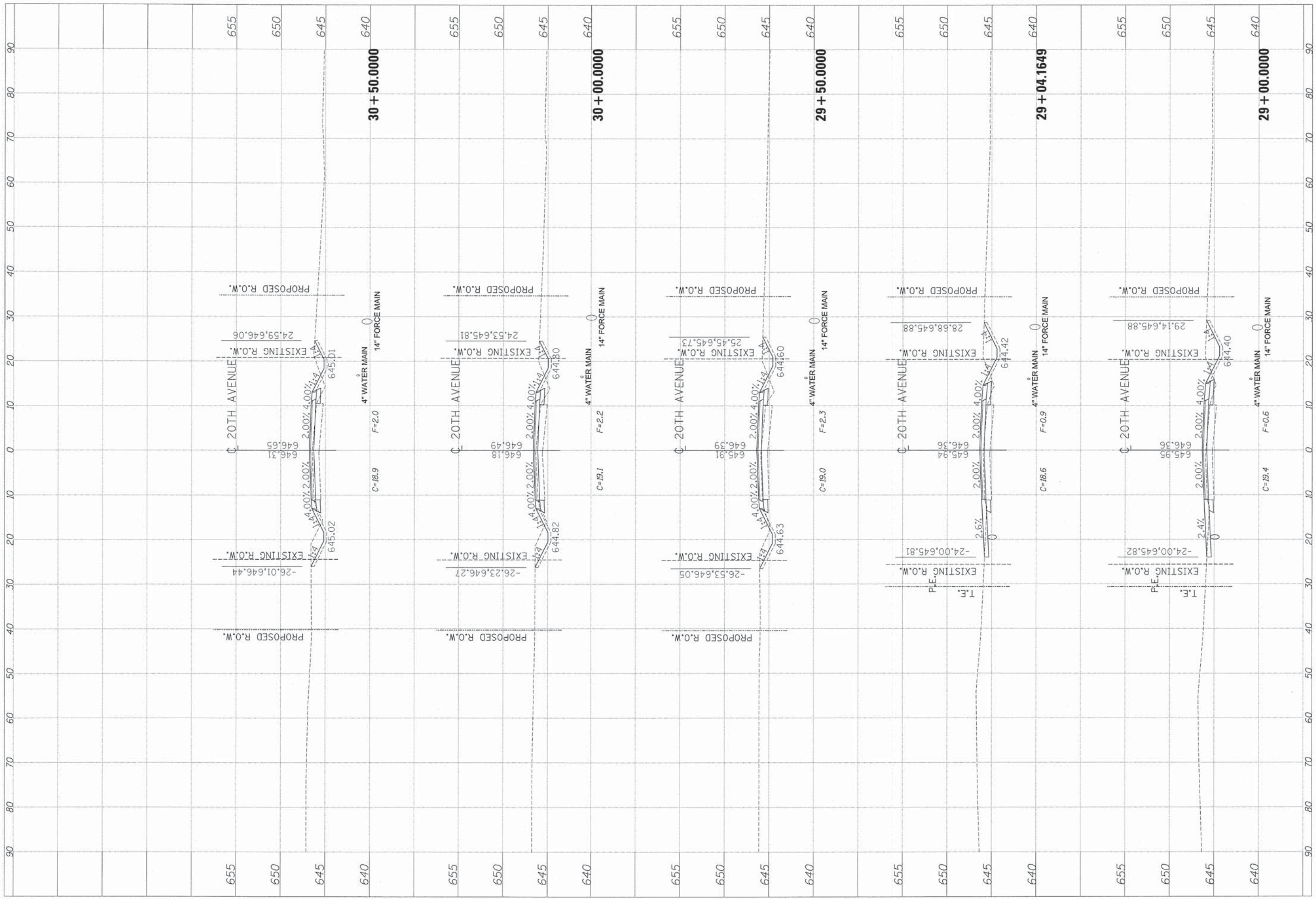
REVISIONS	
No.	Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 315 N. WHEELING AVENUE, SUITE 100, CHICAGO, ILLINOIS 60644
 TEL: (312) 467-2400 FAX: (312) 467-2401
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #164-000794
 "WORKING WITH YOU BY DESIGN"

Sheet Title: **20TH AVE. CROSS SECTIONS**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 SECTION: **FULTON**
 CONTRACT NO.: **89471**
 Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
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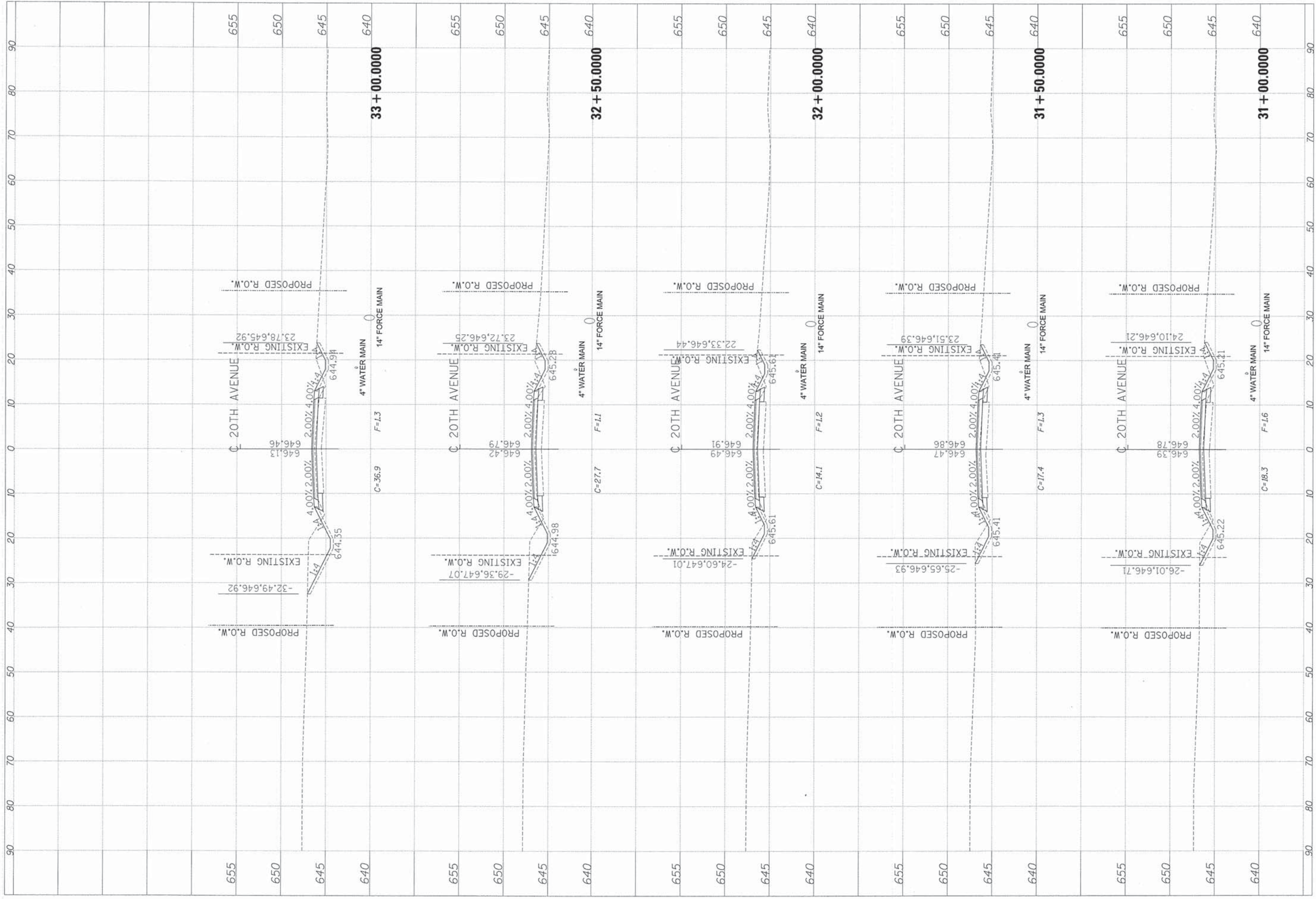
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MAURER-STUTZ
 ENGINEERS SURVEYORS
 3116 N. DRIES LAKE, SUITE 200 | TORONTO, ONTARIO M1S 4S8
 416-291-1144 | FAX 416-291-1145
 3070 EAST 40TH STREET | CANTON, ILLINOIS 62530
 PH 618-447-7281 | FAX 618-447-4155
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE 0384-002714
 "WORKING WITH YOU BY DESIGN"

Sheet Title:
20TH AVE. CROSS SECTIONS
 Project:
ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

Client:
CITY OF CANTON, IL
 SECTION:
FULTON
 CONTRACT NO.: 89471
 Designed By:
JDS
 Drawn By:
WLL
 Reviewed By:
 Date:
20 October 2014
 Project No.:
24714003
 Drawing:
61 OF 70

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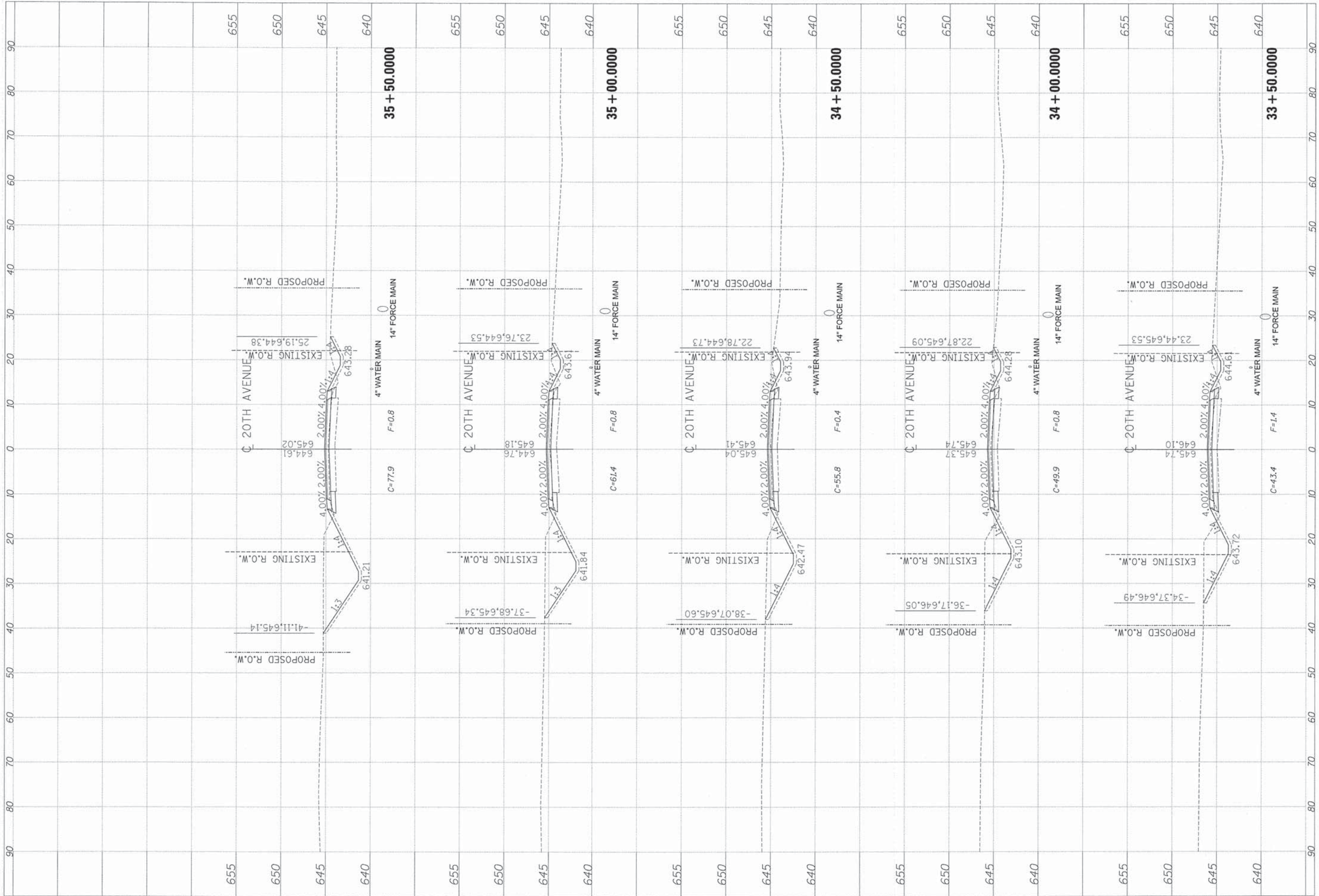
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MAURER-STUTZ
 ENGINEERS SURVEYORS
 3116 N. DRES LANE, SUITE 100 | PEORIA, ILLINOIS 61604 | 3070 EAST 45th STREET | CANTON, ILLINOIS 62520
 PH: (309) 697-9123 | FAX: (309) 697-9124 | PH: (618) 467-7261 | FAX: (618) 467-7255
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #384-000734
 "WORKING WITH YOU BY DESIGN"

20TH AVE. CROSS SECTIONS
ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

Client: **CITY OF CANTON, IL**
 Section: **FULTON**
 Contract No.: **89471**
 Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:
 62 OF 70

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REVISIONS	
No.	Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3115 W. DREXEL AVE. SUITE 100 | FORT LAUDERDALE, FL 33404 | 309.947.4300
 1870 EAST ASH STREET | CANTON, ILLINOIS 61820
 PH: (309) 494-7434 | FAX: (309) 494-7435
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-000784
 "WORKING WITH YOU BY DESIGN"

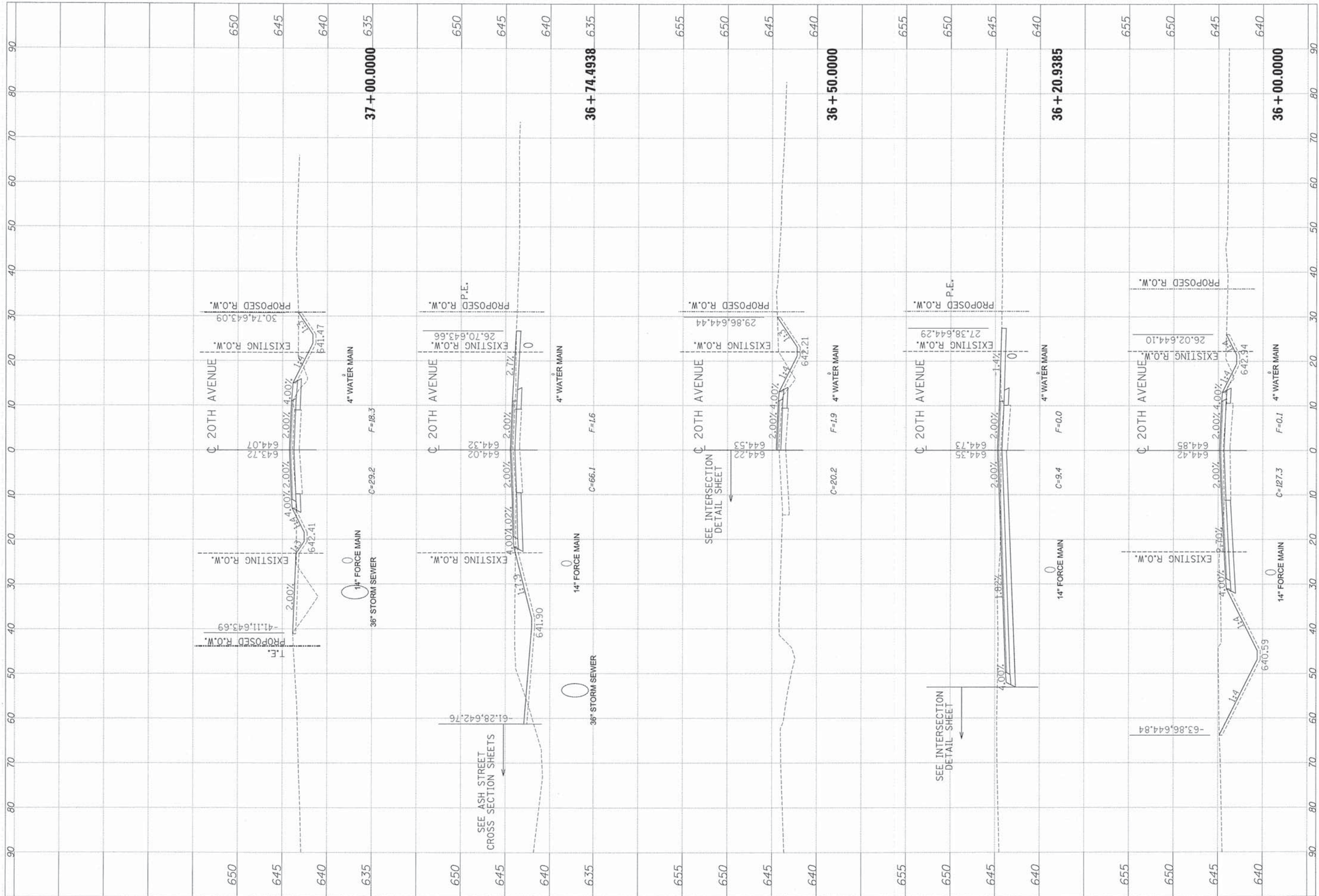
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 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 SECTION: **FULTON**
 CONTRACT NO.: **89471**

Designed By: **JDS**
 Drawn By: **WLL**
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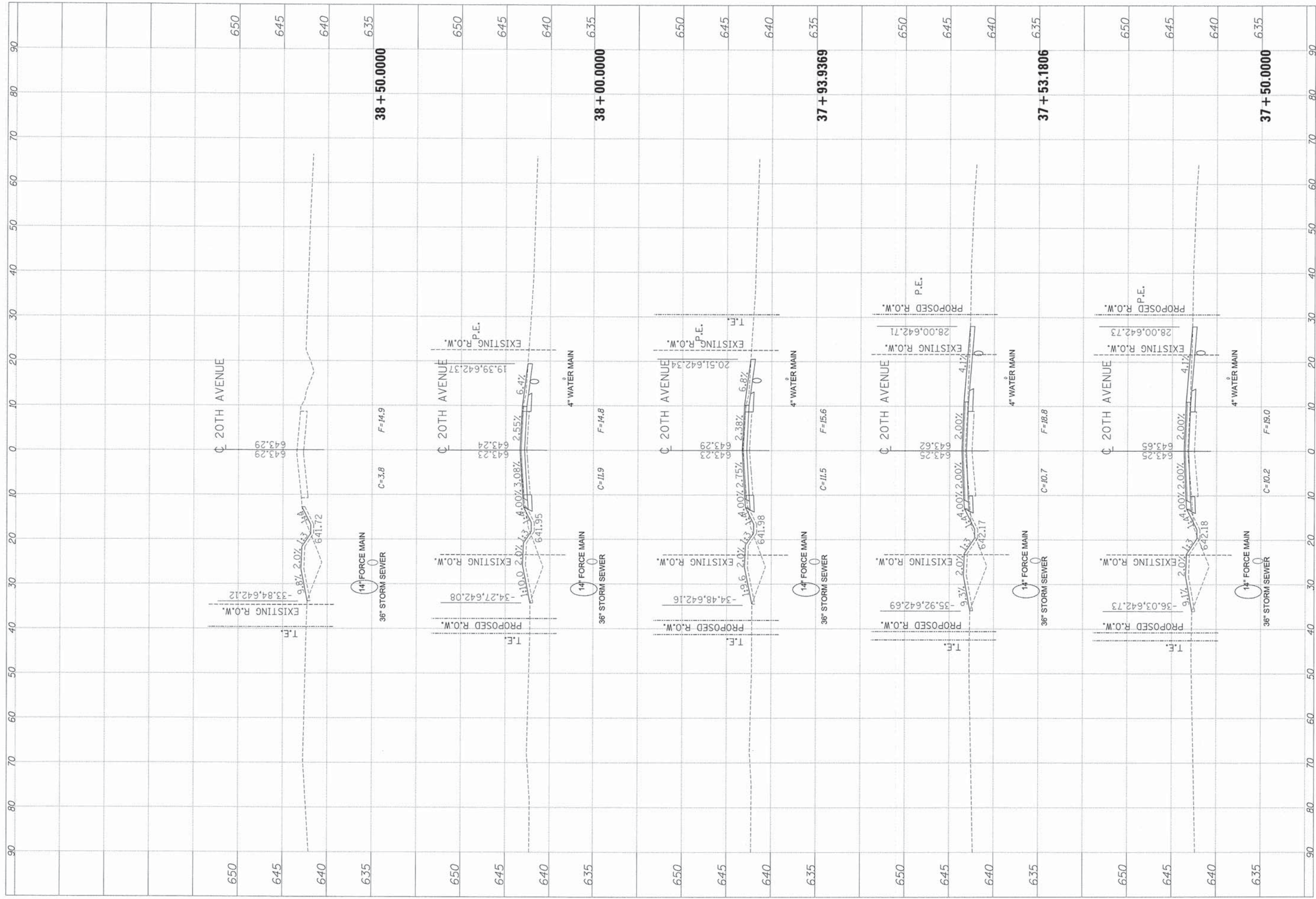
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MAURER-STUTZ ENGINEERS SURVEYORS <small>318 N. DRES LANG, SUITE 100 PLOMBA, ILLINOIS 61004 3070 EAST ASH STREET CANTON, ILLINOIS 61530 PH: (309) 697-9125 FAX: (309) 697-9125 (309) 647-7831 FAX: (309) 647-9125 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE 0184-000754 "WORKING WITH YOU BY DESIGN"</small>	
20TH AVE. CROSS SECTIONS ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION	
Client: CITY OF CANTON, IL F.A. RTE.: FULTON COUNTY: FULTON	Section: SECTION: CONTRACT NO.: 89471
Designed By: JDS Drawn By: WLL Reviewed By:	Date: 20 October 2014 Project No.: 24714003 Drawing:
64 OF 70	

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Client: CITY OF CANTON, IL
 SECTION: CONTRACT NO.: 89471
 COUNTY: FULTON

Designed By: JDS
 Drawn By: WLL
 Reviewed By:

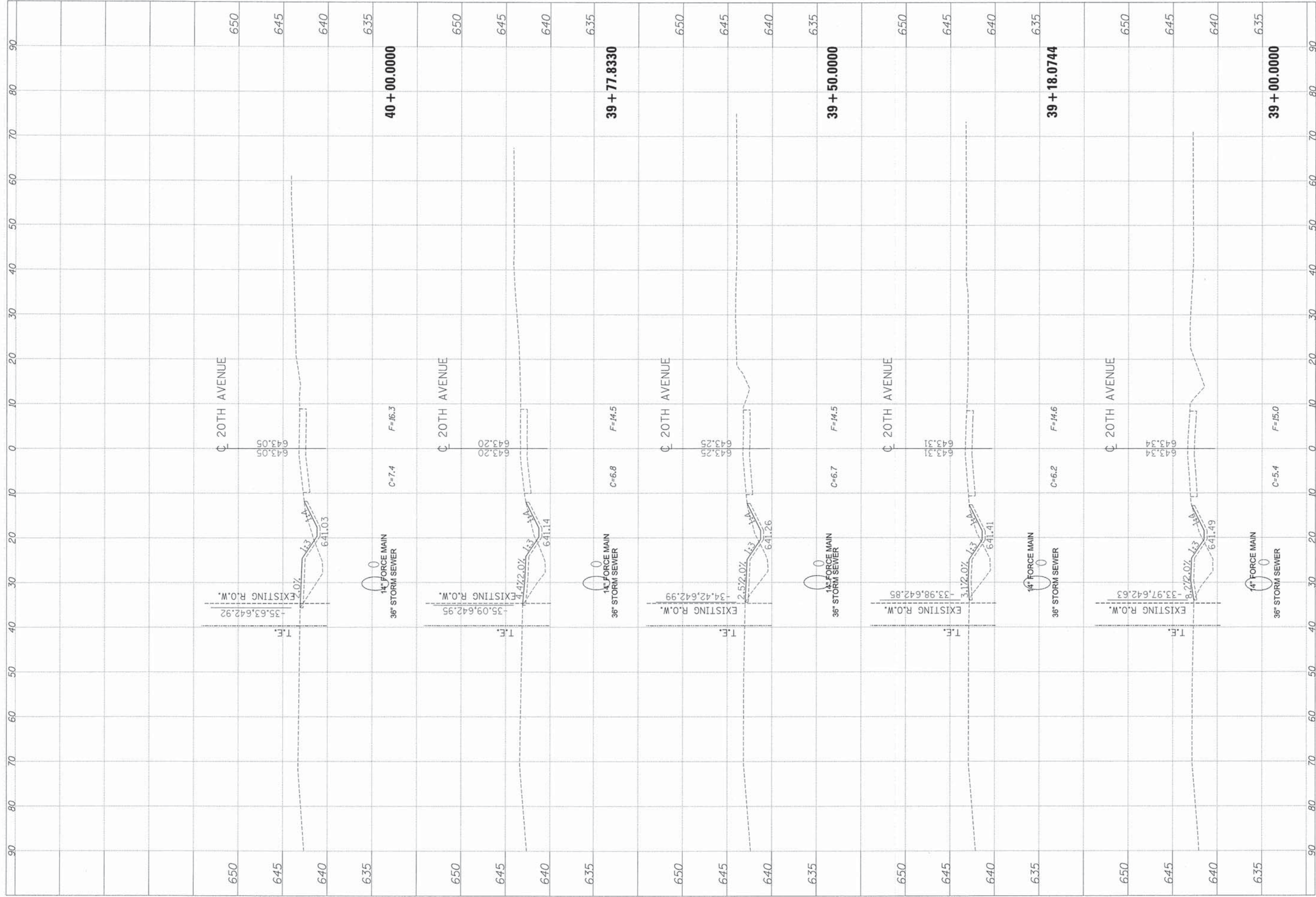
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 Drawing:

REVISIONS
 No. Date Description

Sheet Title: 20TH AVE. CROSS SECTIONS
 Project: ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3115 GREEKLAND SUITE 1001 FULTON, ILLINOIS 61504
 PHONE: (618) 467-7261 FAX: (618) 467-7262
 ILLINOIS PROFESSIONAL DESIGNER LICENSE 0184-00714
 "WORKING WITH YOU BY DESIGN"

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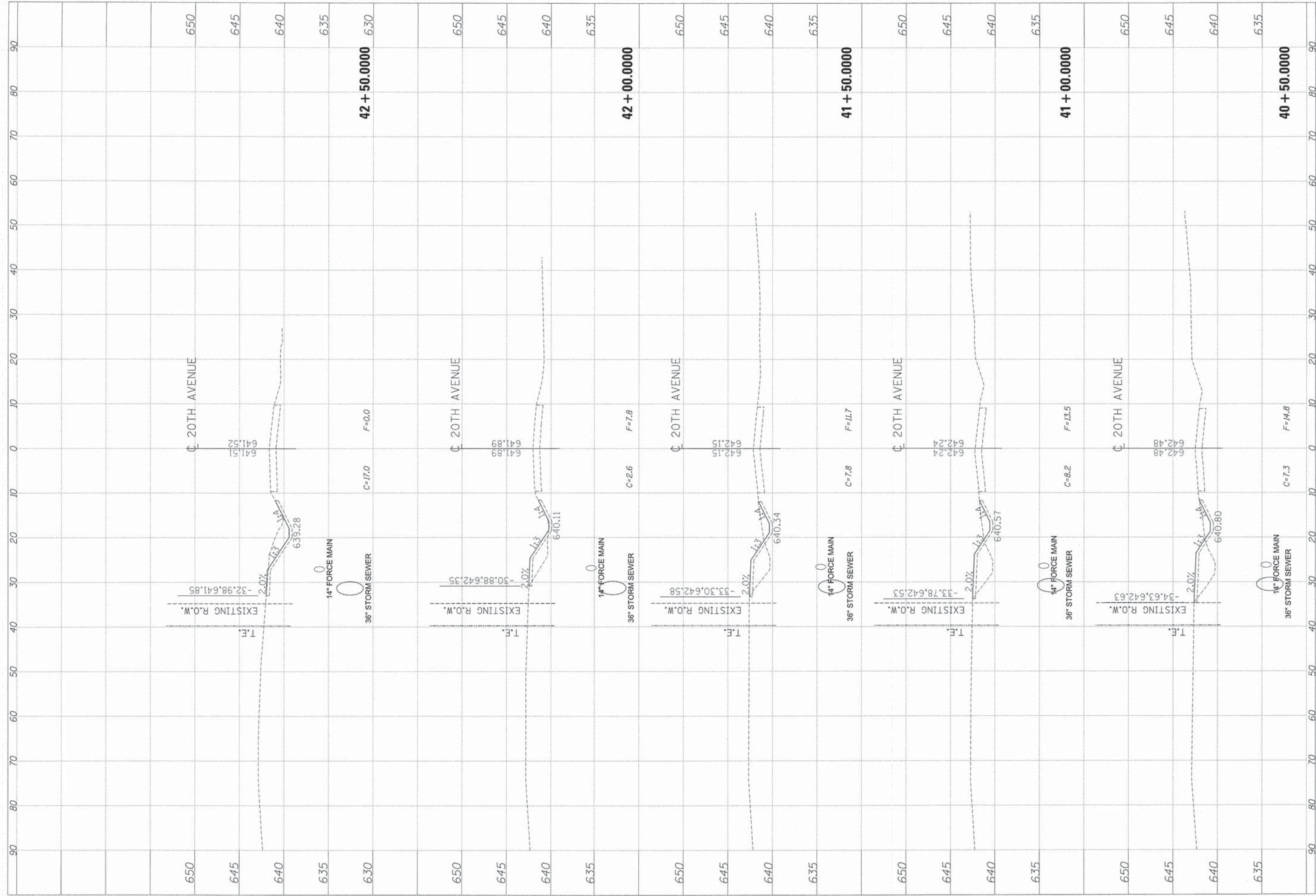
REVISIONS	
No.	Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3116 N. DRES LANE, SUITE 100 | TORONTO, ONTARIO M1S 4S8
 TEL: (416) 497-7811 | FAX: (416) 497-7812
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE 0384-00714
 "WORKING WITH YOU BY DESIGN"

Sheet Title: **20TH AVE. CROSS SECTIONS**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 SECTION: **FULTON**
 CONTRACT NO.: **89471**

Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:
 66 OF 70



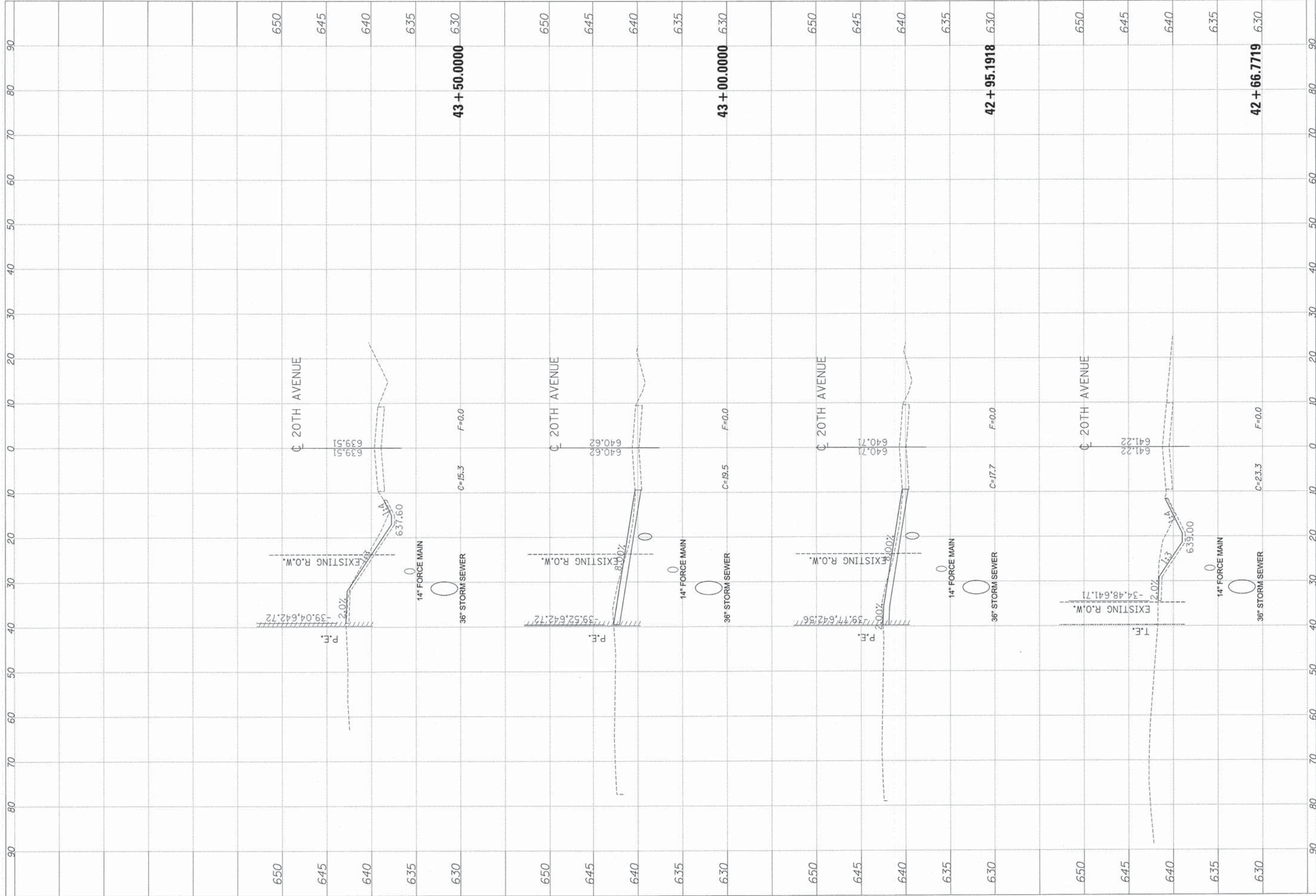
REVISIONS	
No.	Date / Description

MAURER-STUTZ
 ENGINEERS SURVEYORS
 318 N. DRES LANE, SUITE 100 | PROLA, ILLINOIS 61504 | 5170 EAST ASH STREET | CANTON, ILLINOIS 61520
 PH: (309) 683-7618 | FAX: (309) 683-7618 | PH: (309) 447-7811 | FAX: (309) 447-5156
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #134-000754
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Sheet Title: **20TH AVE. CROSS SECTIONS**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 SECTION: **FULTON**
 CONTRACT NO.: **89471**
 Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
 Drawing:

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REV. NO.	DATE	DESCRIPTION

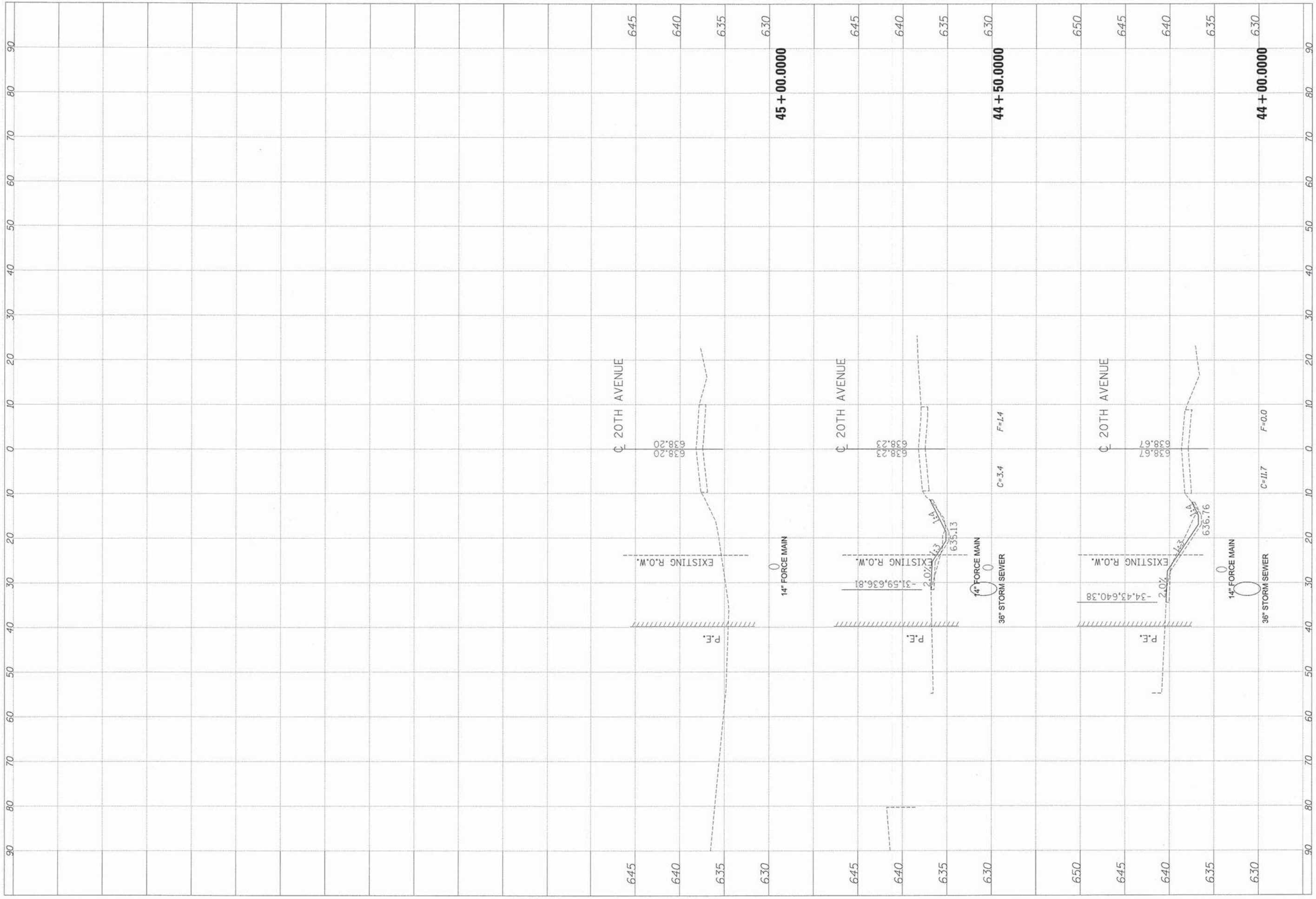
MAURER-STUTZ
 ENGINEERS SURVEYORS
 3115 N. BIRDELANE SUITE 101 | FORMAL ILVLOS 61064 | 300 SOUTH 20TH STREET | CANTON, ILLINOIS 62520
 PH: (618) 447-1100 | FAX: (618) 447-1100
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #144-002754
 "WORKING WITH YOU by DESIGN"

Sheet Title: **20TH AVE. CROSS SECTIONS**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 SECTION: **FULTON**
 CONTRACT NO.: **89471**

Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
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REV. NO.	DATE	DESCRIPTION

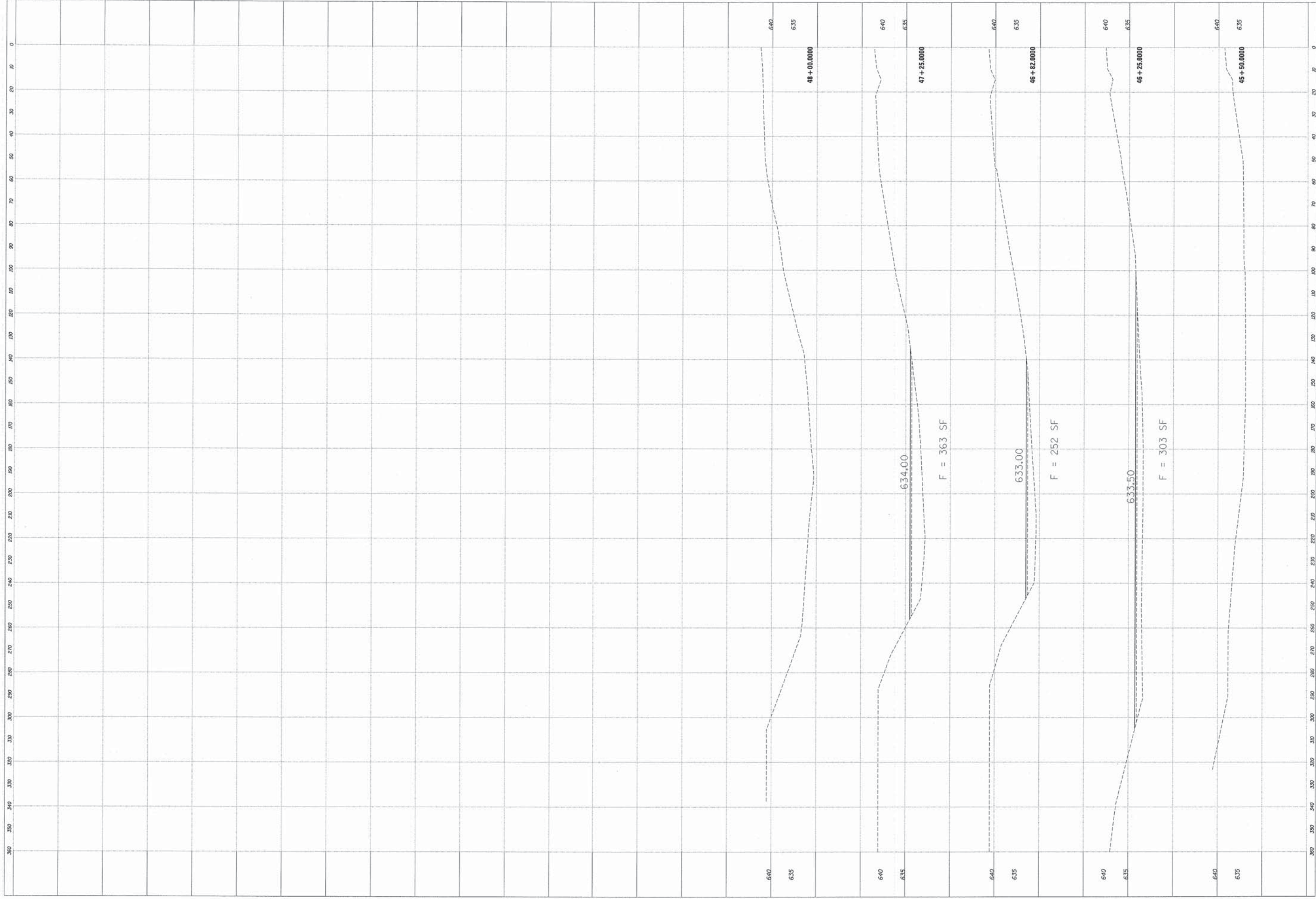
MAURER-STUTZ
 ENGINEERS SURVEYORS
 3115 W. BIRCH LAKE, SUITE 1001, CANTON, ILLINOIS 61804 309.667.6877 FAX 309.667.6878
 1100 S. WASHINGTON, SUITE 1000, SPRINGFIELD, ILLINOIS 62760 314.224.7400 FAX 314.224.7401
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #134-000734
 "WORKING WITH YOU BY DESIGN"

Sheet Title: **20TH AVE. CROSS SECTIONS**
 Project: **ASH STREET IMPROVEMENTS-PHASE IV AND 20TH AVENUE RECONSTRUCTION**

Client: **CITY OF CANTON, IL**
 SECTION: **FULTON**
 CONTRACT NO.: **89471**

Designed By: **JDS**
 Drawn By: **WLL**
 Reviewed By:
 Date: **20 October 2014**
 Project No.: **24714003**
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Client:
 Designed By: JDS
 Drawn By: WLL
 Reviewed By:
 Date: 20 October 2014
 Project No.: 24714003
 Drawing:

CITY OF CANTON, IL
 SECTION: COUNTY: FULTON
 F.A. RTE.: CONTRACT NO.: 89471

Sheet Title:
**20TH AVE. CROSS SECTIONS
 STA. 45+50.00 TO STA. 48+00.00**
 Project:
**ASH STREET IMPROVEMENTS-PHASE IV AND
 20TH AVENUE RECONSTRUCTION**

MAURER-STUTZ
 ENGINEERS SURVEYORS
 3116 N. DESS LAKE SUITE 100 | PEORIA, ILLINOIS 61604 | 5679 EAST ASH STREET | CANTON, ILLINOIS 61530
 PH: (309) 695-7525 | FAX: (309) 695-7948 | PH: (309) 467-7821 | FAX: (309) 467-7455
 ILLINOIS PROFESSIONAL DESIGN FIRMS LICENSE 0384-00754
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REVISIONS	
No.	Description