

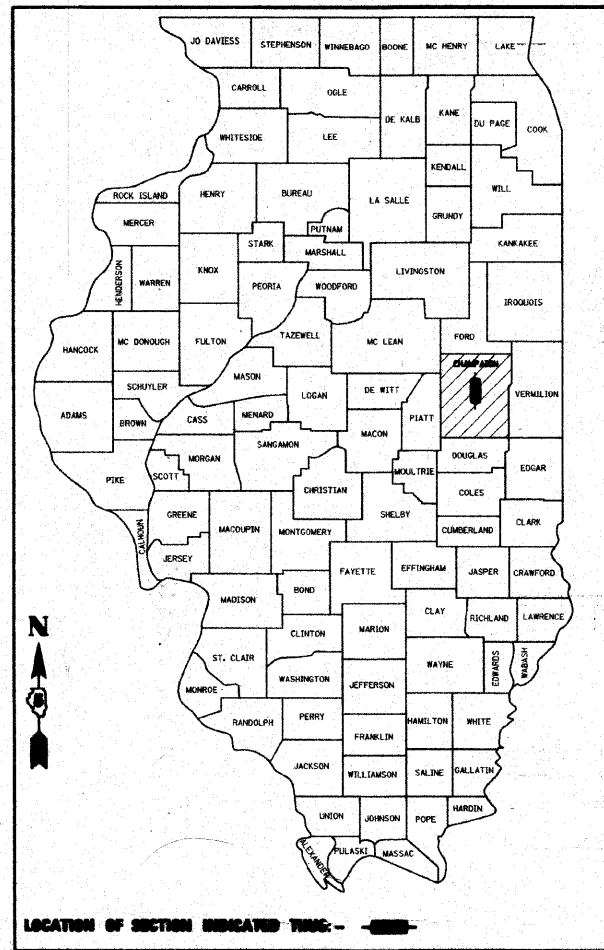
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 91445		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED  
STREET IMPROVEMENTS

CITY OF CHAMPAIGN, ILLINOIS  
CITY SECTION NO. 10-00285-00-SP  
PROJECT NO. HSIP-5181(047)  
JOB NO. C-95-347-10

F.A.U. ROUTE 7171 (FOURTH STREET)  
PEDESTRIAN AND BICYCLE SAFETY IMPROVEMENTS  
GREEN STREET TO GREGORY DRIVE



CITY OF CHAMPAIGN

*W. D. W.* 10/11/10  
CITY ENGINEER DATE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PASSED 11/1 20 10

*David A. Seal*  
DISTRICT FIVE ENGINEER OF  
LOCAL ROADS & STREETS

Releasing For  
Bid Based on  
United States: November 1 20 10

*J. M. M.*  
DEPUTY DIRECTOR OF HIGHWAYS,  
REGION FOUR ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



INDEX OF SHEETS

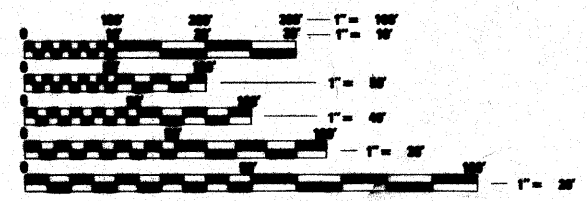
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HIGHWAY STANDARDS

(SEE SHEET NO. 2)

HIGHWAY CLASSIFICATION

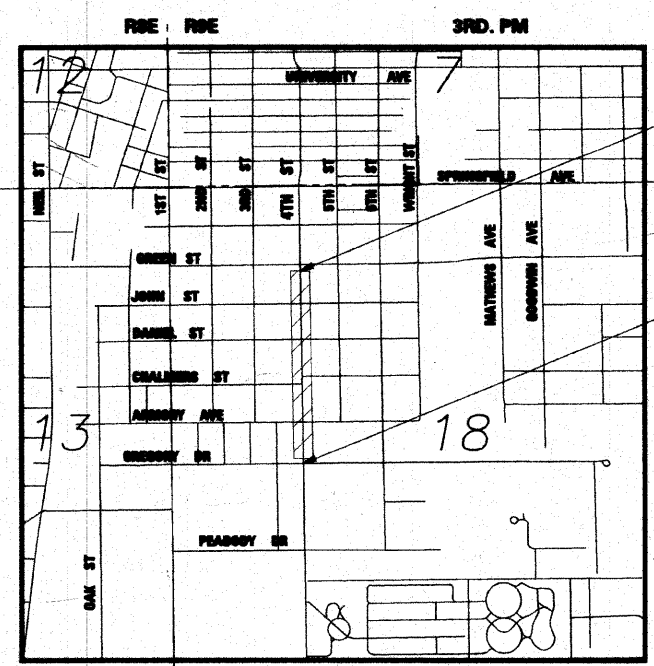
F.A.U. ROUTE 7171 (FOURTH STREET)  
ADT = 8400 (2011), 10,700 (2031)  
DHV = 865 (2031)  
2% TRUCKS  
FUNCTIONAL CLASS: URBAN COLLECTOR  
DESIGN SPEED = 30 MPH  
POSTED SPEED = 25 MPH



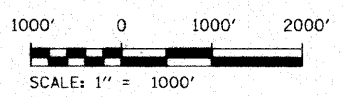
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

UTILITIES

- |   |   |
|---|---|
| ILLINOIS AMERICAN WATER COMPANY (WATER)<br>CHARLES McCARREY<br>201 DEVONSHIRE DRIVE<br>CHAMPAIGN, ILLINOIS 61820<br>(217) 373-3286 OFFICE | COMCAST (CABLE TV)<br>BRIAN CORRIE<br>303 E. FAIRLAWN DRIVE<br>URBANA, ILLINOIS 61801<br>(217) 383-8031 OFFICE  |
| AMEREN I.P. (ELECTRIC / GAS)<br>RUSS SUMMERS<br>P.O. BOX 17070<br>URBANA, IL 61803-7070<br>(217) 383-7283                                 | CITY OF CHAMPAIGN OPERATIONS DIVISION (SANITARY AND STORM SEWERS)<br>ARNIE MORRISON<br>702 EDGEBROOK DRIVE<br>CHAMPAIGN, ILLINOIS 61820<br>(217) 403-4770       |
| AT&T (TELEPHONE / FIBER OPTIC)<br>MICHELE SCOTT<br>201 SO. NEIL STREET<br>CHAMPAIGN, ILLINOIS 61820<br>(217) 398-7991 FAX                 | CITY OF CHAMPAIGN ENGINEERING DIVISION (STREET LIGHTS AND TRAFFIC SIGNALS)<br>GLEN BERGER<br>702 EDGEBROOK DRIVE<br>CHAMPAIGN, ILLINOIS 61820<br>(217) 403-4785 |
| MCI (FIBER OPTIC)<br>7000 WESTERN PARKWAY<br>CARY, NO. CAROLINA 27513<br>(1800) 840-0338  | CITY OF CHAMPAIGN PARKING PROGRAM (PARKING METERS)<br>SHIRL L. JOHNSON<br>702 EDGEBROOK DRIVE<br>CHAMPAIGN, ILLINOIS 61820<br>(217) 403-4785                    |



LOCATION MAP



GROSS LENGTH OF PROJECT = 2158.22 FT (0.41 MILES)  
NET LENGTH OF PROJECT = 2158.22 FT (0.41 MILES)

BEGIN IMPROVEMENT  
FOURTH STREET  
STA. 22+57.34

END IMPROVEMENT  
FOURTH STREET  
STA. 44+07.56



SEAL

SIGNATURE: *James M. Michael*  
DATE SIGNED: 10/15/10  
LICENSE EXPIRATION DATE: 11/30/11

J.L.L.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-303-0123  
OR 911

CONTRACT NO. 91445

L:\Champaign\0094000\Draw\CADD\_Sheets\001-Cover-Sheet-4thStreet.dgn 10/18/2010

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-05 TEMPORARY EROSION CONTROL SYSTEM
- 420001-07 PAVEMENT JOINTS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 442101-07 CLASS B PATCHES
- 442201-03 CLASS C AND D PATCHES
- 602301-03 INLET, TYPE A
- 602306-03 INLET, TYPE B
- 602401-02 MANHOLE, TYPE A
- 602601-02 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 MANHOLE STEPS
- 604001-03 FRAME AND LIDS, TYPE 1
- 604016-02 FRAME AND GRATE, TYPE 4
- 604026-02 FRAME AND GRATE, TYPE 6
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 M (15') AWAY
- 701006-03 OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
- 701011-02 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L 2W, UNDIVIDED
- 701502-04 URBAN LANE CLOSURE, 2L 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701701-07 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-04 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAILS
- 729001-01 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-02 HANDHOLES
- 814006-02 DOUBLE HANDHOLES
- 825021-01 LIGHTING CONTROLLER, 240V, BASE MOUNTED
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 878001-08 CONCRETE FOUNDATION DETAILS
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS - POST & BRACKET MOUNT
- BLR 10-6 PCC PAVEMENT SPECIAL

**GENERAL NOTES**

7. WHERE SECTION OR SUBSECTION MONUMENTS, BENCHMARKS, OR IRON PIPE MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN ILLINOIS REGISTERED LAND SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN ILLINOIS REGISTERED LAND SURVEYOR RE-ESTABLISH ANY MONUMENTS UNNECESSARILY DESTROYED BY HIS OPERATIONS.
8. ALL STREET RETURNS HAVE RADII DESIGNATED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON THE PLANS.
9. THE EXCAVATION FOR THIS PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS AND AS PROVIDED IN THE CONTRACT SPECIFICATIONS. THE EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND AGENCIES PRIOR TO EXCAVATION OPERATIONS. EARTH EXCAVATION WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE SPECIFIC CONSTRUCTION PAY ITEM REQUIRING THE EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE REMAINING EXCAVATION IS CLASSIFIED AS PAVEMENT REMOVAL, COMBINATION CURB AND GUTTER REMOVAL, AND SIDEWALK REMOVAL.
10. TREES TO BE REMOVED: THE INDICATED TREES INCLUDING STUMPS TO BE REMOVED SHALL BE SUITABLY MARKED BY THE ENGINEER BEFORE TREE REMOVAL OPERATIONS BEGIN. ALL TREES, STUMPS AND ROOTS SHALL BE COMPLETELY REMOVED AND DISPOSED OF. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. TREES TO BE SAVED: PARTICULAR EFFORT SHALL BE MADE TO SAVE ALL DESIRABLE EXISTING TREES OR SHRUBS. ONLY A MINIMUM OF GRADING WILL BE PERMITTED AROUND TREES AS DETERMINED BY THE ENGINEER. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR UNNECESSARY DAMAGE TO TREES, SHRUBS, OR LANDSCAPING INTENDED TO BE SAVED. TREE PROTECTION WITHIN AREAS OF CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
12. THE EXISTING TRAFFIC SIGNS AND POSTS WHICH INTERFERE WITH THE CONSTRUCTION SHALL BE REMOVED AND RESET, AS THE CASE MAY BE, AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. EXISTING SIGNS THAT WILL NOT BE RESET SHALL BE RETURNED TO THE CITY OF CHAMPAIGN'S GARAGE AT 702 EDGEBROOK DRIVE. REFER TO THE SPECIAL PROVISIONS FOR "TRAFFIC CONTROL COMPLETE" AND "REMOVING AND RESETTING STREET SIGNS" AND "SIGN PANEL REMOVAL - TYPE 1" FOR ADDITIONAL INFORMATION ON REMOVING AND RESETTING THE EXISTING TRAFFIC SIGNS.
13. ONLY EXISTING PAVEMENTS AND BASE COURSES COMPOSED OF PORTLAND CEMENT CONCRETE, HOT-MIX ASPHALT, OR BRICK SHALL BE MEASURED AND PAID FOR AS PAVEMENT REMOVAL IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN THE EXISTING PAVEMENT TYPE, THICKNESS, OR AMOUNT OF REINFORCEMENT. THE ADJUSTMENT OF QUANTITIES AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS SHALL NOT APPLY. REMOVAL OF OTHER TYPES OF PAVEMENT COMPOSITION SUCH AS AGGREGATE OR OIL AND CHIP SHALL BE CLASSIFIED AS EARTH EXCAVATION.
14. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 6 INCHES IN AREAS TO BE SODDED. THE TOPSOIL REQUIRED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE 6".
15. ALL DISTURBED AREAS SHALL BE SODDED OR AS SHOWN ON THE PLANS, AND SODDING SHALL BE DONE AS SOON AS EACH STAGE IS COMPLETED AS DIRECTED BY THE ENGINEER. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF RIGHT-OF-WAY, EASEMENTS OR CONSTRUCTION SHALL BE REESTABLISHED WITH SOD AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
16. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:  
 AGGREGATE MATERIALS                      2.05 TONS/CU YD
17. UTILITY LOCATIONS WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY RESPONSIBILITY IS ACCEPTED FOR THE LOCATIONS AS SHOWN OR THAT ALL UTILITY FACILITIES ARE SHOWN. UTILITY LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND REPRESENT LOCATIONS PRIOR TO ANY UTILITY RELOCATIONS REQUIRED TO ACCOMMODATE THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ADVISED THAT SOME UTILITY COMPANIES MAY HAVE RELOCATED THEIR FACILITIES PRIOR TO THE START OF CONSTRUCTION UNDER THIS CONTRACT. BEFORE COMMENCING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER ANY AVAILABLE INFORMATION REGARDING THE RELOCATED POSITIONS OF UTILITIES WITHIN THE PROJECT LIMITS. WHETHER VARIOUS UTILITIES HAVE BEEN RELOCATED OR REMAIN THEIR ORIGINAL LOCATION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEIR EXACT LOCATION AT THE TIME OF CONSTRUCTION AND TO PROTECT SAME. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN OVERHEAD UTILITY LINES AND THE EQUIPMENT USED DURING CONSTRUCTION. SEE "STATUS OF UTILITIES" SHEET WITHIN THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING KNOWN UTILITY RELOCATIONS OR ADJUSTMENTS REQUIRED FOR THE PROPOSED CONSTRUCTION. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL PROVISION ENTITLED "COOPERATION WITH UTILITIES" AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.
18. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123 OR 811. THE UNIVERSITY OF ILLINOIS LOCATE SERVICE NUMBER IS 217-333-3473. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
20. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
21. ALL SALVAGEABLE FRAMES AND GRATES WHICH ARE NOT INCORPORATED IN THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR'S BID PRICE FOR VARIOUS STORM DRAINAGE WORK SHOULD REFLECT THE SALVAGE VALUE OF THE ITEMS.

**GENERAL NOTES**

22. ALL TRENCHES AND EXCAVATIONS FOR DRAINAGE PIPES, STRUCTURES, OR STRUCTURE REMOVALS BELOW OR WITHIN TWO FEET LATERALLY OF THE PROPOSED PAVEMENT, SIDEWALK OR CURB AND GUTTER SHALL BE BACKFILLED WITH CONTROLLED LOW-STRENGTH MATERIAL (CLSM) AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS AND THE DETAIL IN THE PLANS. THE BACKFILLING WITH CONTROLLED LOW-STRENGTH MATERIAL AROUND DRAINAGE STRUCTURES WILL NOT BE MEASURED FOR PAYMENT AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS TYPES OF DRAINAGE STRUCTURES.
23. "STORM SEWER, WATER MAIN QUALITY" IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET OR WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER. THE MATERIAL SHALL BE CONCRETE PRESSURE PIPE OR DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF SECTIONS 40-2.01 AND 40-2.02 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. PVC PIPE WILL NOT BE ALLOWED.
24. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS ARE TAKEN ADJACENT TO THE PAVEMENT OR GROUND SURFACE.
25. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR FRAME AND GRATES PLACED WITHIN TYPE B-6.18 CURB AND GUTTER, SPECIAL ARE TAKEN ALONG THE EDGE OF FRAME WHICH IS COLINEAR WITH THE EDGE OF PAVEMENT. THIS FRAME ELEVATION IS 1/4" LOWER THAN THE ADJACENT EDGE OF PAVEMENT ELEVATION FOR ASPHALT PAVEMENTS. SEE THE DRAINAGE STRUCTURE FRAME AND GRATE DETAIL SHOWN ON THE MISCELLANEOUS DETAIL SHEETS.
26. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD VERIFIED AND NOTIFICATION GIVEN TO THE ENGINEER IF THE EXISTING PIPING IS FOUND TO BE DIFFERENT THAN THAT SHOWN ON THE DRAWINGS. WHERE SUCH DISCREPANCY IS FOUND, WORK SHALL NOT PROCEED UNTIL DIRECTED ACCORDINGLY BY THE ENGINEER.
27. WHERE PROPOSED SEWERS ARE TO BE CONNECTED INTO EXISTING MANHOLES OR EXISTING SEWERS, THE CONNECTIONS SHALL BE MADE IN A WORKMANLIKE MANNER, AND MASONRY SHALL BE CONSTRUCTED AROUND THEM SO AS TO PREVENT LEAKAGE. CONNECTIONS OF PROPOSED SEWERS TO EXISTING STRUCTURES SHALL BE MADE BY CORE DRILLING HOLES IN THE STRUCTURES. THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING STRUCTURE OR PIPE SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR THE NEW SEWER.
28. THE EXISTING SEWERS TO BE REMOVED FOR THE PROPOSED IMPROVEMENTS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT SALVAGING OF THE PIPE WILL NOT BE REQUIRED. STORM SEWER REMOVAL WILL NOT BE PAID FOR SEPARATELY WHEN THE PROPOSED SEWER AND THE EXISTING SEWER ARE AT THE SAME TRENCH LOCATION. EXISTING PIPES SHALL BE PLUGGED AT THE LOCATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.
29. EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES. 3/4" EXPANSION JOINT MATERIAL SHALL BE PLACED AT THIS JUNCTURES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED PAVEMENT, CURB AND GUTTER, OR SIDEWALK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
30. WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION BETWEEN THE TWO CONFIGURATIONS MAY BE REQUIRED. THIS WORK WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR CURB AND GUTTER OF THE SIZE AND TYPE SPECIFIED IN THE PLANS.
31. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.)
32. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
33. HORIZONTAL CONTROL TIES ARE SHOWN FOR THE CONTRACTOR TO PHYSICALLY LOCATE MONUMENTATION IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL POINTS OR TO USE ADDITIONAL TIES AS NECESSARY TO INSURE THAT CONTROL POINTS CAN BE ACCURATELY REPLICATED DURING CONSTRUCTION.
34. THE CITY OF CHAMPAIGN WILL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNIVERSITY OF ILLINOIS, THE UNITED STATES POSTAL SERVICE, THE CHAMPAIGN-URBANA MASS TRANSIT DISTRICT, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL NOTIFY THE CITY OF CHAMPAIGN OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC CONTROL PLANS A MINIMUM OF 48 HOURS IN ADVANCE OF THE WORK.
35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF THE SITE PRIOR TO FINAL ACCEPTANCE IN ACCORDANCE WITH ARTICLE 104.06 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL ALSO INCLUDE CLEANING ALL DRAINAGE FACILITIES OF FOREIGN MATERIALS IN ACCORDANCE WITH ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE DONE AS DIRECTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
36. PARKING METER REMOVAL WILL BE PERFORMED BY THE CITY OF CHAMPAIGN. THE CONTRACTOR SHALL CONTACT SHIRL JOHNSON FOR REMOVAL OF THE PARKING METERS. THE CONTRACTOR SHALL REMOVE THE PARKING METER POSTS AT THE LOCATIONS SHOWN ON THE PLANS. EXISTING PARKING METER POSTS THAT ARE REMOVED SHALL NOT BE REUSED. THE CONTRACTOR SHALL INSTALL NEW PARKING METER POSTS AT THE LOCATIONS SHOWN ON THE PLANS. THE CITY OF CHAMPAIGN WILL INSTALL THE NEW PARKING METERS.
37. ALL OPEN TRENCHES OR EXCAVATIONS SHALL BE PROTECTED WITH A SIX FOOT HIGH CHAIN LINK FENCE AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**GENERAL NOTES**

1. ALL ELEVATIONS SHOWN ARE REFERRED TO THE N.A.V.D. 1988 DATUM. ALL HORIZONTAL CONTROL SHOWN BASED UPON STATE PLANE COORDINATE SYSTEM ILLINOIS EAST ZONE NAD 83, 2007 ADJUSTMENTS. LOCAL VERTICAL AND HORIZONTAL CONTROL SET BY C.P.S. FROM U OF I CORS BASE STATION.
2. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED ON JANUARY 1, 2007.
3. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE HIGHWAY STANDARDS AND LEGEND SHEET NO. 2.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
5. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH STATE AND LOCAL REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
6. THE CONTRACTOR SHALL TAKE CARE NOT TO STORE OR DISPOSE OF DEBRIS OR UNSUITABLE MATERIALS WITHIN LIMITS OF THE IMPROVEMENT AND TAKE CARE TO LIMIT CONSTRUCTION TO WITHIN THE RIGHT-OF-WAY. UNNECESSARY ENCROACHMENTS ONTO PRIVATE OR PUBLIC AREAS WILL NOT BE ALLOWED.

FILE NAME =	USER NAME = Jim Michael	DESIGNED - JMM	 <b>CMT</b> CHAMFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00083	<b>CITY OF CHAMPAIGN</b> <b>DEPARTMENT OF PUBLIC WORKS</b>	<b>HIGHWAY STANDARDS AND GENERAL NOTES</b> <b>FOURTH STREET IMPROVEMENT</b> <b>CHAMPAIGN, ILLINOIS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\hampaign\100940100\draw\cadd\sheet	002-HwyStd-4thSt.dgn	DRAWN - RAH		SCALE:	SHEET NO. 55	SHEETS	7171	10-00285-00-SP	CHAMPAIGN	55	2
	PLOT SCALE = 5.0000 "/ IN.	CHECKED - JMM			TO STA.						
	PLOT DATE = 10/18/2010	DATE - 10/15/2010									CONTRACT NO. 91445
ILLINOIS FED. AID PROJECT											



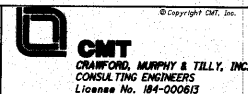
**SUMMARY OF QUANTITIES**

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	SAFETY: 0021	100% LOCAL NON-PARTICIPATING
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	31	31	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	100	
20800150	TRENCH BACKFILL	CU YD	236	236	
20900110	POROUS GRANULAR BACKFILL	CU YD	50	50	
21000300	GRANULAR EMBANKMENT, SPECIAL	TON	205	205	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	200	200	
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	1,639	1,639	
25200100	SODDING	SQ YD	1,639	1,639	
25200200	SUPPLEMENTAL WATERING	UNIT	73.3	73.3	
28000510	INLET FILTERS	EACH	33	33	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	4,229	4,229	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	373.9	373.9	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	806	806	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	102	102	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	25,233	25,233	
42400800	DETECTABLE WARNINGS	SQ FT	552	552	
44000100	PAVEMENT REMOVAL	SQ YD	1,431	1,431	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	96	96	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,419	2,419	
44000600	SIDEWALK REMOVAL	SQ FT	13,912	13,912	
44003100	MEDIAN REMOVAL	SQ FT	1,187	1,187	
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	1,001	1,001	
44201298	DOWEL BARS 1 1/4"	EACH	108	108	
54248510	CONCRETE COLLAR	CU YD	9.0	9.0	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	400	400	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	12	12	
55100500	STORM SEWER REMOVAL 12"	FOOT	450	450	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	10.0	10.0	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60218600	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 4 FRAME AND GRATE	EACH	4	4	
60218900	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 6 FRAME AND GRATE	EACH	4	4	
60235800	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	EACH	6	6	
60236100	INLETS, TYPE A, TYPE 6 FRAME AND GRATE	EACH	13	13	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	SAFETY: 0021	100% LOCAL NON-PARTICIPATING
60240225	INLETS, TYPE B, TYPE 4 FRAME AND GRATE	EACH	2	2	
60240240	INLETS, TYPE B, TYPE 6 FRAME AND GRATE	EACH	6	6	
X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	10	10	
60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	2	2	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	8	
60500040	REMOVING MANHOLES	EACH	2	2	
60600040	REMOVING INLETS	EACH	17	17	
60604800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL)	FOOT	2,551	2,551	
60622400	CONCRETE MEDIAN, TYPE SM-6.06	SQ FT	463	463	
67100100	MOBILIZATION	L SUM	1	0.5	0.5
X7010216	TRAFFIC CONTROL <i>Complete</i>	L SUM	1	0.5	0.5
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	9,110	9,110	
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	190	190	
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	250	250	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3,727	3,727	
72000100	SIGN PANEL - TYPE I	SQ FT	145	145	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	15	15	
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	5	5	
72400310	REMOVE SIGN PANEL - TYPE I	SQ FT	56	56	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	538	538	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	110	110	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,145	6,145	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3,437	3,437	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,309	2,309	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	288	288	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	4,218	4,218	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	115	115	
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	43	43	
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	105	105	
81012900	CONDUIT IN TRENCH, 3 1/2" DIA., PVC	FOOT	34	34	
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10	10	
81028060	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 2"	FOOT	2,160	2,160	
81028090	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 3 1/2"	FOOT	151	151	

\* SPECIALTY ITEMS

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203-SumDuan-4thStreet.dgn		DRAWN - RAH
PLOT SCALE = 50.0000' / IN.		CHECKED - JMM
PLOT DATE = 11/9/2010		DATE - 10/15/2010



**CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS**

**SUMMARY OF QUANTITIES  
FOURTH STREET IMPROVEMENT  
CHAMPAIGN, ILLINOIS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	3
ILLINOIS FED. AID PROJECT				

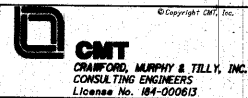
CONTRACT NO. 91445

**SUMMARY OF QUANTITIES**

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	SAFETY: 0021	100% LOCAL NON-PARTICIPATING
81028120	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 5"	FOOT	49	49	
81400100	HANDHOLE	EACH	7	7	
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1	
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	3	3	
81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	37		37
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	70		70
81603090	UNIT DUCT, 600V, 3-1C NO. 4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	3,700		3,700
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,486	1,486	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	345	345	
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1		1
83600120	LIGHT POLE FOUNDATION (SPECIAL)	FOOT	202		202
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	12		12
84200804	REMOVAL OF POLE FOUNDATION	EACH	12		12
85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1	1	
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	1	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,374	1,374	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,164	1,164	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,803	1,803	
87501000	TRAFFIC SIGNAL POST, 14 FT	EACH	4	4	
87702830	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 20 FT.	EACH	2	2	
87702840	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 22 FT.	EACH	1	1	
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1	1	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	14.0	14.0	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5	3.5	
87800215	CONCRETE FOUNDATION, TYPE D	EACH	1		1
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60.0	60.0	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8	8	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	4	
88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED with Countdown Timer	EACH	8	8	
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	4	4	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8	8	
89100400	ILLUMINATED SIGN, LED	EACH	4	4	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,600	2,600	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	SAFETY: 0021	100% LOCAL NON-PARTICIPATING
89502380	REMOVE EXISTING HANDHOLE	EACH	3	3	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	9	
X0322281	WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1	1	
X0322748	BICYCLE LANE MARKING	EACH	26	26	
X0324102	EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM	EACH	1	1	
X0326864	BRICK SIDEWALK REMOVAL	SQ FT	326	326	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	680	680	
X8730180	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 3C	FOOT	366	366	
X8730190	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 16 3C	FOOT	663	663	
XX002184	PHOTOELECTRIC CONTROL	EACH	2	1	1
XX003313	REMOVE AND REINSTALL BRICK PAVER	SQ FT	213	213	
XX003581	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 1C	FOOT	417	417	
Z0004002	BOLLARDS	EACH	50		50
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	2	2	
Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	1,596	1,596	
Z0022800	FENCE REMOVAL	FOOT	157	157	
Z0036700	PARKING METER POSTS TO BE REMOVED	EACH	31	31	
Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	27	27	
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	192	192	
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	55	55	
X8300534	LIGHT POLE, 34 FT. M.H., 8' DAVIT ARM, 4' DAVIT ARM, INSTALL ONLY	EACH	24		24
X8300516	LIGHT POLE, 16 FT. M.H., 4' DAVIT ARM, INSTALL ONLY	EACH	13		13

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 USER NAME = Jim Michael  
 DESIGNED - RMM  
 DRAWN - RAH  
 CHECKED - JMM  
 DATE - 10/15/2010  
 PLOT SCALE = 50.0000' / 1" IN.  
 PLOT DATE = 11/9/2010



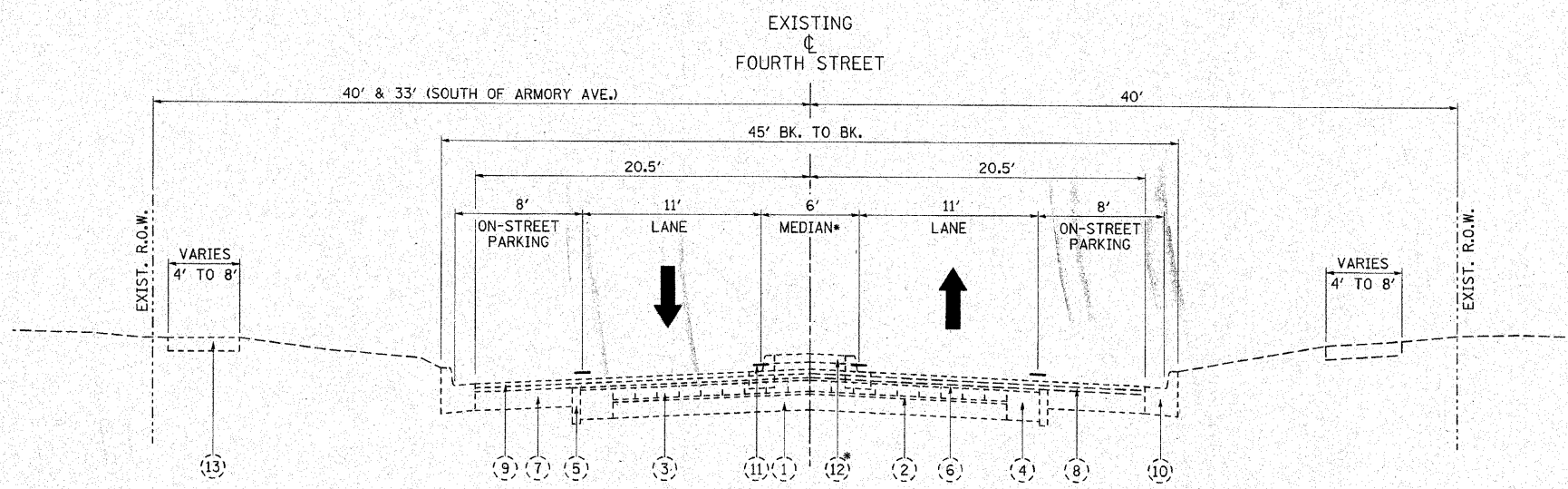
**CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS**

**SUMMARY OF QUANTITIES  
FOURTH STREET IMPROVEMENT  
CHAMPAIGN, ILLINOIS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	4
CONTRACT NO. 91445				
ILLINOIS FED. AID PROJECT				





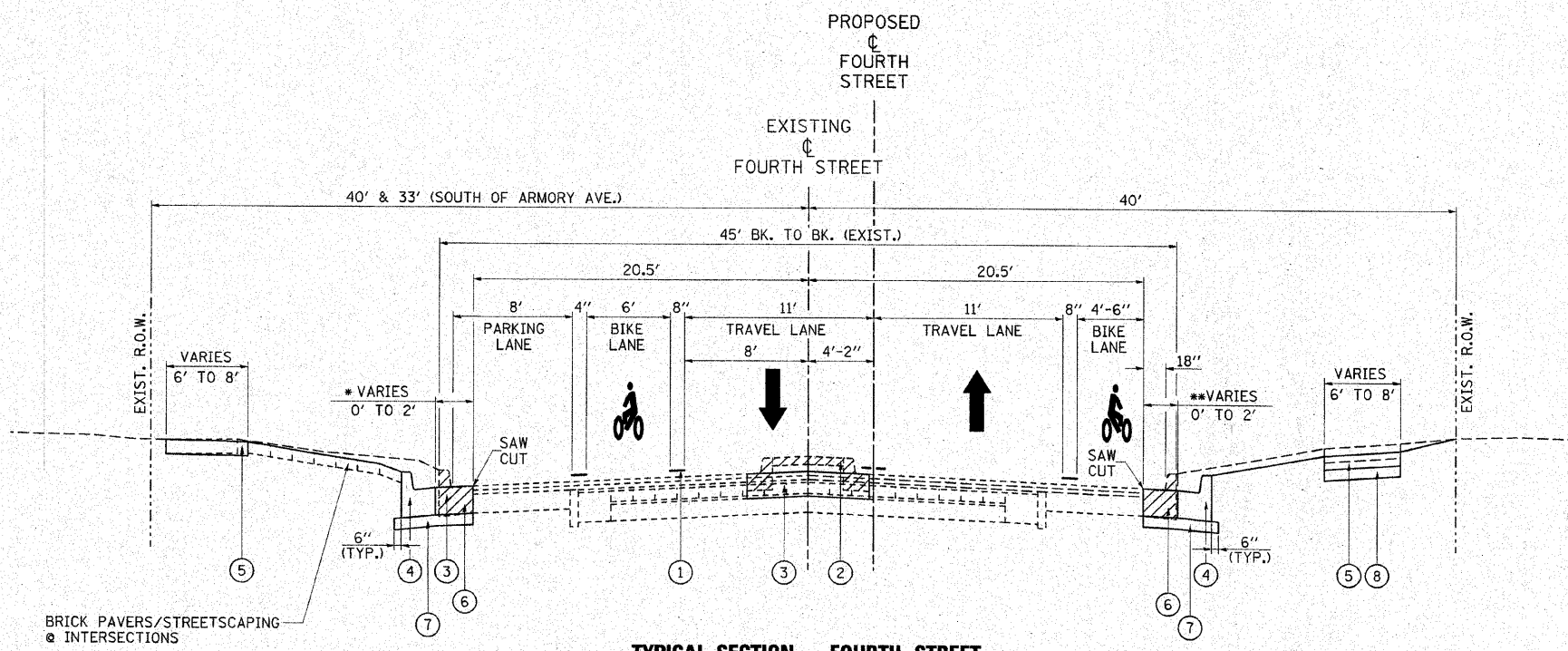
**TYPICAL SECTION - FOURTH STREET**  
**EXISTING LANE CONFIGURATION**  
 (LOOKING NORTH)

RAISED MEDIAN LOCATIONS: STA. 26+00.44 TO STA. 26+20.41  
 STA. 26+86.15 TO STA. 27+06.12  
 STA. 34+94.54 TO STA. 36+09.84  
 STA. 39+24.95 TO STA. 39+45.01  
 STA. 40+15.06 TO STA. 40+35.04

\*AT INTERSECTION OF JOHN ST.  
 CHALMERS ST.  
 ARMORY AVE.

**LEGEND**

- (1) EXISTING PCC BASE COURSE, 6"
  - (2) EXISTING SAND CUSHION, 1"
  - (3) EXISTING BRICK SURFACE COURSE, 4"
  - (4) EXISTING P.C.C. C. & G., 2"
  - (5) EXISTING CONCRETE CURB
  - (6) EXISTING LEVELING BINDER
  - (7) EXISTING PCC BASE COURSE, 7"
  - (8) EXISTING BIT. BINDER COURSE, 1 1/2"
  - (9) EXISTING BIT. SURFACE COURSE, 1 1/2"
  - (10) EXISTING C.C.C. & G, TYPE B-6.18 (SPECIAL)
  - (11) EXISTING PAVEMENT MARKING
  - (12) EXISTING CONCRETE MEDIAN
  - (13) EXISTING SIDEWALK, 5"
- 
- (1) PROPOSED THERMOPLASTIC PAVEMENT MARKING
  - (2) PROPOSED MEDIAN REMOVAL
  - (3) PROPOSED CLASS B PATCHES, 10 INCH
  - (4) PROPOSED C.C.C. & G, TYPE B-6.18 (SPECIAL)
  - (5) PROPOSED P.C.C. SIDEWALK, 6 INCH
  - (6) PROPOSED COMBINATION CURB AND GUTTER REMOVAL
  - (7) PROPOSED AGGREGATE BASE COURSE, TYPE B 4"



**TYPICAL SECTION - FOURTH STREET**  
**PROPOSED LANE CONFIGURATION**  
 (LOOKING NORTH)

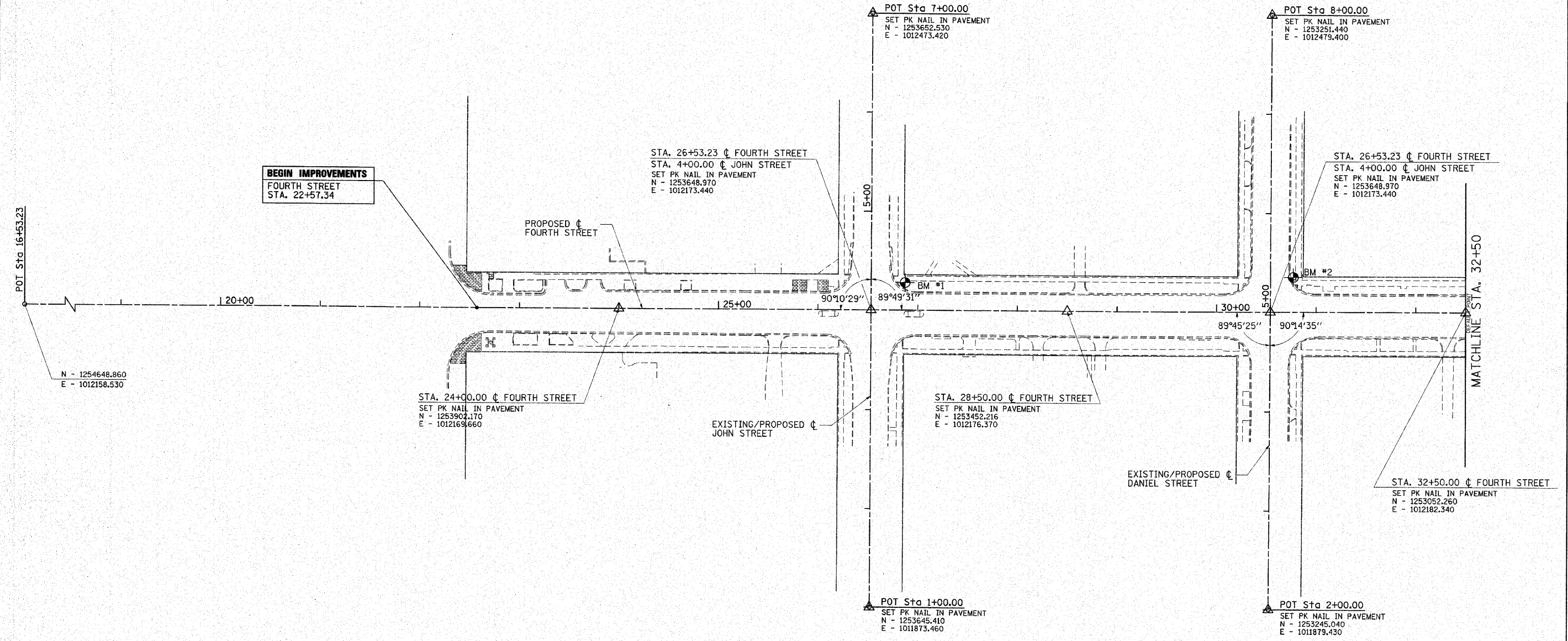
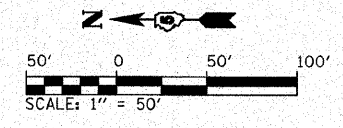
\*\*PAVEMENT WIDENING AT CHALMERS ST.  
 STA. 33+38.90 TO STA. 37+00.00

FILE NAME =	USER NAME = Jim Michael	DESIGNED - RMM	<p><b>CMT</b>          CONIFORD, MURPHY &amp; TILLY, INC.          CONSULTING ENGINEERS          License No. 084-000613</p>	<p><b>CITY OF CHAMPAIGN</b>  <b>DEPARTMENT OF PUBLIC WORKS</b></p>		<p><b>TYPICAL SECTIONS</b>  <b>FOURTH STREET IMPROVEMENT</b>  <b>CHAMPAIGN, ILLINOIS</b></p>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 10/10/2010	DATE = 10/15/2010									CONTRACT NO. 91445			
												ILLINOIS FED. AID PROJECT	

**BENCHMARKS**


BM #1 - HYDRANT AT S.E. CORNER 4TH & JOHN ST.  
IN THE WORD IOWA ON THE "W"

BM #2 - BOLT IN MUELLER ON THE HYDRANT ON THE  
S.E. CORNER OF FOURTH ST. & DANIEL ST.

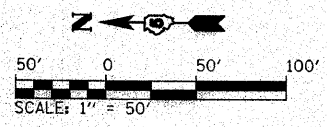


**VERTICAL & HORIZONTAL CONTROL NOTES**

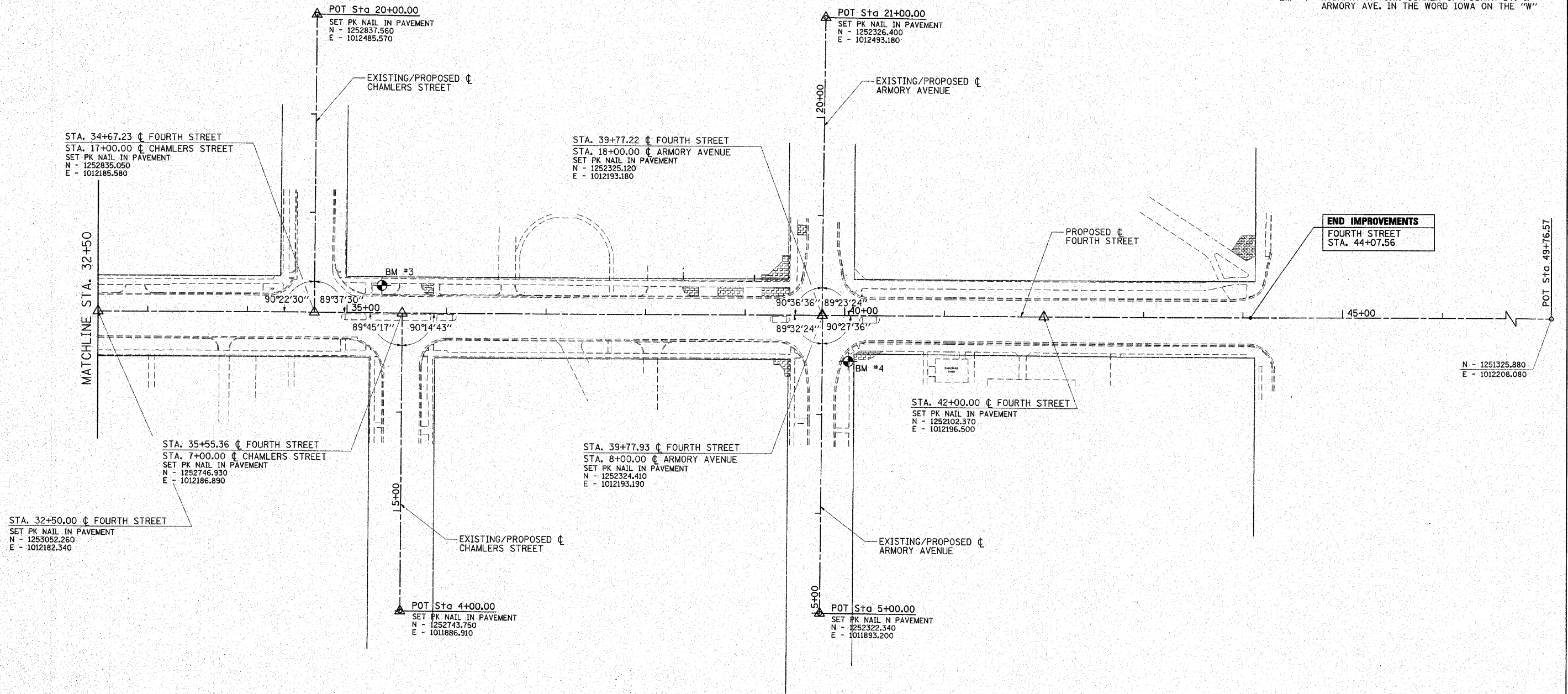
- ALL ELEVATIONS SHOWN ARE REFERRED TO THE N.A.V.D. 1988 DATUM. ALL HORIZONTAL CONTROL SHOWN BASED UPON STATE PLANE COORDINATE SYSTEM ILLINOIS EAST ZONE NAD 83, 2007 ADJUSTMENTS. LOCAL VERTICAL AND HORIZONTAL CONTROL SET BY G.P.S. FROM U OF I CORS BASE STATION.

FILE NAME = I:\champaign\102940100\draw\cadd\sheet5	USER NAME = Jim Michael AlignmentLayout01-4thStreet.dgn	DESIGNED - RMM DRAWN - RAH CHECKED - JMM DATE - 10/18/2010	 <b>CMT</b> CHAMFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	CITY OF CHAMPAIGN DEPARTMENT OF PUBLIC WORKS	HORIZONTAL ALIGNMENT LAYOUT AND CONTROL FOURTH STREET IMPROVEMENT CHAMPAIGN, ILLINOIS	F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 6	CONTRACT NO. 91445	ILLINOIS FED. AID PROJECT
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**BENCHMARKS**  
 BM #3 - BOLT IN MUELLER ON THE HYDRANT ON THE S.E. CORNER OF FOURTH ST. & CHAMLERS ST.  
 BM #4 - HYDRANT AT S.W. CORNER OF FOURTH ST. & ARMORY AVE. IN THE WORD IOWA ON THE 'W'



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	PLOT DATE = 10/16/2010

DESIGNED - RMM	DRAWN - RAH
CHECKED - JMM	DATE - 10/16/2010

 <b>GMT</b> GRANFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613
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**CITY OF CHAMPAIGN  
 DEPARTMENT OF PUBLIC WORKS**

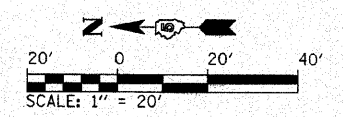
**HORIZONTAL ALIGNMENT LAYOUT AND CONTROL  
 FOURTH STREET IMPROVEMENT  
 CHAMPAIGN, ILLINOIS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	7
CONTRACT NO. 91445				
ILLINOIS FED. AID PROJECT				

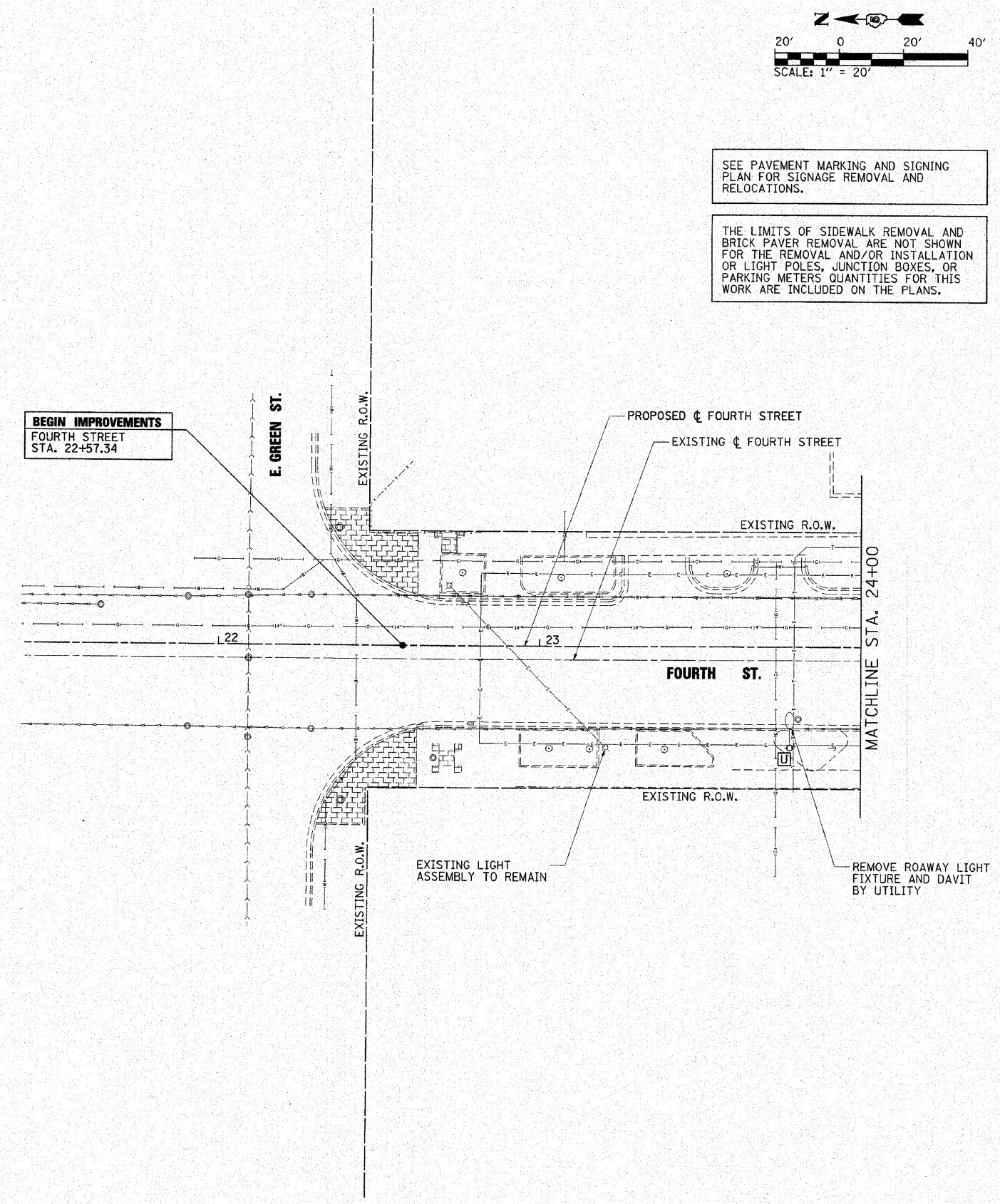
**REMOVAL NOTES**

1. BRICK PAVERS THAT ARE REMOVED FOR THE REMOVAL OR INSTALLATION OF PARKING METER POSTS, LIGHT POLES, OR JUNCTION BOXES SHALL BE REINSTALLED AT THEIR ORIGINAL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. AT LOCATIONS WHERE PROPOSED IMPROVEMENTS ABUT EXISTING BRICK PAVEMENT SIDEWALKS TO REMAIN, THE CONTRACTOR SHALL TAKE CARE NOT TO DISTURB THE ADJACENT FEATURES. THE CONTRACTOR MAY ELECT TO REMOVE AND REINSTALL ADJACENT BRICK PAVERS AT NO ADDITIONAL COST TO THE CONTRACT SHOULD IT FACILITATE HIS CONSTRUCTION OPERATIONS.
3. THE CONTRACTOR SHALL MAKE FULL DEPTH SAWCUTS AT ALL PAVEMENT, SIDEWALK, CURB, AND CURB AND GUTTER REMOVAL LIMITS.
4. THE REMOVAL LIMITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
5. THE SIDEWALK REMOVAL LIMITS FOR PARKING METER POST REMOVAL SHALL BE TWO FEET ALONG THE LENGTH OF THE PANEL AS SHOWN ON THE MISCELLANEOUS DETAILS OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE BRICK PAVEMENT REMOVAL LIMITS FOR PARKING METER POST REMOVAL OR INSTALLATION SHALL BE TWO FEET WIDE AND TWO FEET LONG OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE SIDEWALK AND BRICK PAVEMENT REMOVAL LIMITS FOR LIGHT POLE AND JUNCTION BOX REMOVAL SHALL BE FIVE FEET LONG FOR THE WIDTH OF THE SIDEWALK OR PAVERS OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE SIDEWALK AND BRICK PAVEMENT REMOVAL LIMITS FOR LIGHT POLE AND JUNCTION BOX INSTALLATION SHALL BE TEN FEET LONG FOR THE WIDTH OF THE SIDEWALK OR PAVERS OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE REMOVAL LIMITS SHALL BE REDUCED AS DIRECTED BY THE ENGINEER TO MINIMIZE THE AMOUNT OF REMOVAL AND SUBSEQUENT REPLACEMENT REQUIRED FOR THIS WORK.
6. EXISTING ROADWAY LIGHTING POLES OWNED BY THE AMERIN I.P. UTILITY DENOTED WITH A U BESIDE THE SYMBOL. ALL OTHERS ARE OWNED BY THE CITY OF CHAMPAIGN OR THE UNIVERSITY OF ILLINOIS. COORDINATE WITH CITY / AMERIN I.P. FOR REMOVAL OF UTILITY OWNED LIGHT POLES, FIXTURES AND WIRING.
7. WHERE ROADWAY LIGHTING POLES TO BE REMOVED ARE OWNED BY THE CITY, REMOVE WIRING BACK TO THE PREVIOUS LIGHT POLE IN THE CIRCUIT AND ABANDON CONDUIT IN PLACE. WHERE WIRING IS DIRECT BURIED DISCONNECT AND TERMINATE WIRING AT PREVIOUS LIGHT POLE IN THE CIRCUIT.



SEE PAVEMENT MARKING AND SIGNING PLAN FOR SIGNAGE REMOVAL AND RELOCATIONS.

THE LIMITS OF SIDEWALK REMOVAL AND BRICK PAVEMENT REMOVAL ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

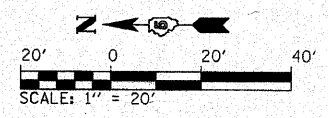


FILE NAME =	USER NAME = Jim Michael	DESIGNED - RMM	 <b>CMT</b> <small>CRAWFORD, MURPHY &amp; TILLY, INC.</small> <small>CONSULTING ENGINEERS</small> <small>License No. 184-000613</small>	<b>CITY OF CHAMPAIGN</b> <b>DEPARTMENT OF PUBLIC WORKS</b>	<b>REMOVAL / RELOCATION</b> <b>FOURTH STREET IMPROVEMENT</b> <b>CHAMPAIGN, ILLINOIS</b>	F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 8	
\\champaign\188940180\draw\cadd\sheet\Removal-01_Green.dgn	PLOT SCALE = 20,0000' / IN.	DRAWN - RAH		SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. 22+00 TO STA. 24+00	CONTRACT NO. 91445				
PLOT DATE = 10/18/2010	DATE = 10/15/2010	CHECKED - JMM		ILLINOIS FED. AID PROJECT							



**X** PARKING METER POSTS TO BE REMOVED (Z0036700)

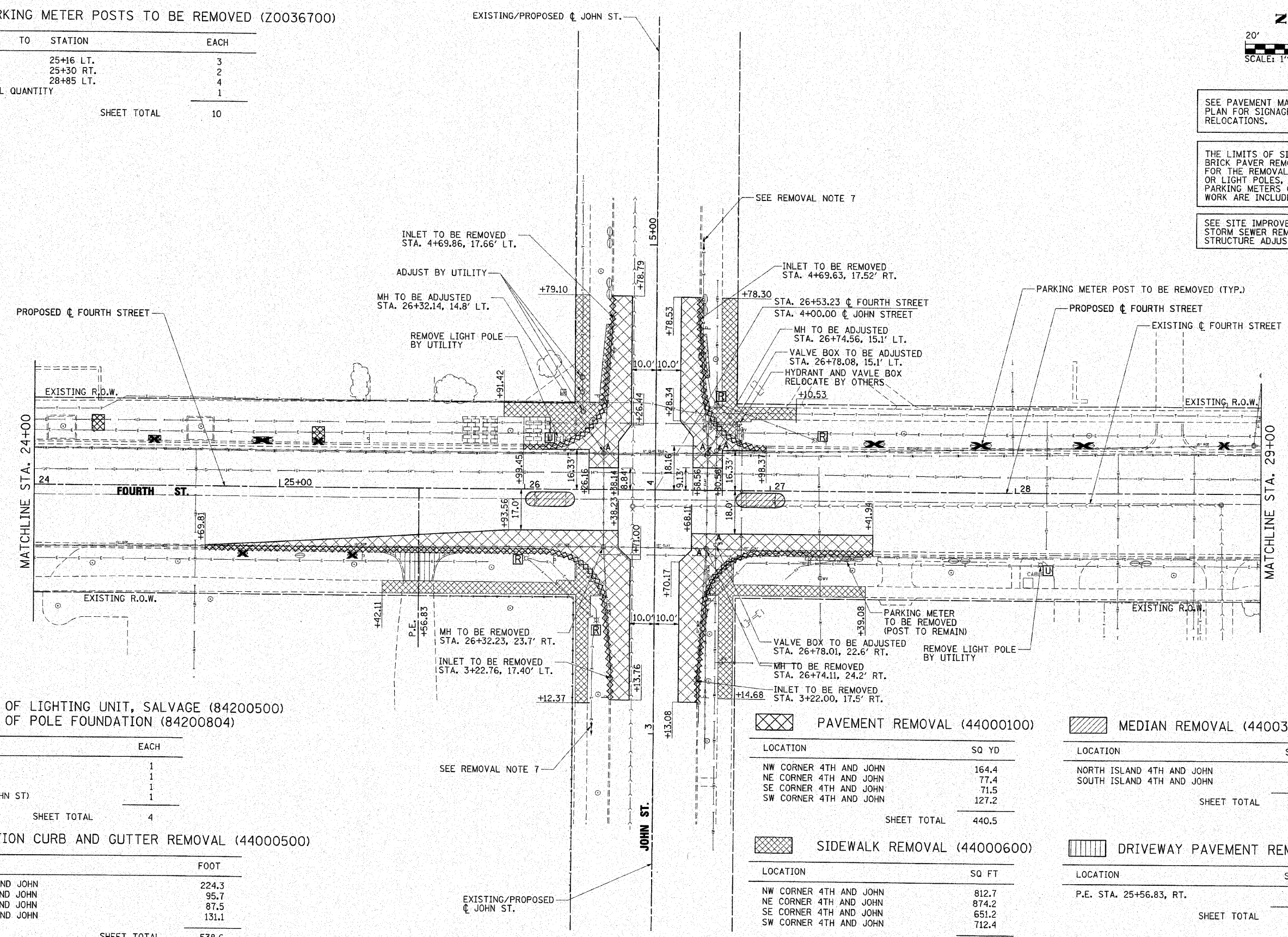
STATION	TO STATION	EACH
24+48	25+16 LT.	3
24+85	25+30 RT.	2
27+42	28+85 LT.	4
NOMINAL QUANTITY		1
SHEET TOTAL		10



SEE PAVEMENT MARKING AND SIGNING PLAN FOR SIGNAGE REMOVAL AND RELOCATIONS.

THE LIMITS OF SIDEWALK REMOVAL AND BRICK PAVER REMOVAL ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

SEE SITE IMPROVEMENTS PLAN FOR STORM SEWER REMOVALS AND STRUCTURE ADJUSTMENTS.



**REMOVAL OF LIGHTING UNIT, SALVAGE (84200500)**  
**☒ REMOVAL OF POLE FOUNDATION (84200804)**

STATION	EACH
26+00 RT.	1
26+78 LT.	1
27+18 LT.	1
3+46 LT. (JOHN ST)	1
SHEET TOTAL	4

**☒☒☒ COMBINATION CURB AND GUTTER REMOVAL (44000500)**

LOCATION	FOOT
NW CORNER 4TH AND JOHN	224.3
NE CORNER 4TH AND JOHN	95.7
SE CORNER 4TH AND JOHN	87.5
SW CORNER 4TH AND JOHN	131.1
SHEET TOTAL	538.6

**☒ PAVEMENT REMOVAL (44000100)**

LOCATION	SQ YD
NW CORNER 4TH AND JOHN	164.4
NE CORNER 4TH AND JOHN	77.4
SE CORNER 4TH AND JOHN	71.5
SW CORNER 4TH AND JOHN	127.2
SHEET TOTAL	440.5

**☒ MEDIAN REMOVAL (44003100)**

LOCATION	SQ FT
NORTH ISLAND 4TH AND JOHN	121.1
SOUTH ISLAND 4TH AND JOHN	121.8
SHEET TOTAL	242.9

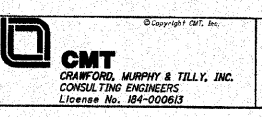
**☒ SIDEWALK REMOVAL (44000600)**

LOCATION	SQ FT
NW CORNER 4TH AND JOHN	812.7
NE CORNER 4TH AND JOHN	874.2
SE CORNER 4TH AND JOHN	651.2
SW CORNER 4TH AND JOHN	712.4
SHEET TOTAL	3050.5

**☒ DRIVEWAY PAVEMENT REMOVAL (44000200)**

LOCATION	SQ YD
P.E. STA. 25+56.83, RT.	21.0
SHEET TOTAL	21.0

FILE NAME =	USER NAME = Jim Michael	DESIGNED - RMM
I:\champaign\100940100\draw\cadd\sheet	Removal-02_John.dgn	DRAWN - RAH
	PLOT SCALE = 20.0000 / IN.	CHECKED - JMM
	PLOT DATE = 10/18/2010	DATE - 10/15/2010



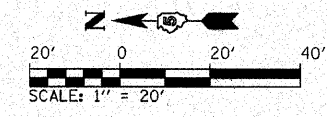
**CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS**

**REMOVAL / RELOCATION  
FOURTH STREET IMPROVEMENT  
CHAMPAIGN, ILLINOIS**  
 SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 24+00 TO STA. 29+00

F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 9
CONTRACT NO. 91445				ILLINOIS FED. AID PROJECT

**X** PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO STATION	EACH
29+25	29+69 LT.	2
	32+45 LT.	1
	31+70 LT.	1
	5+71 RT.	1
	5+86 RT.	1
NOMINAL QUANTITY		1
SHEET TOTAL		7

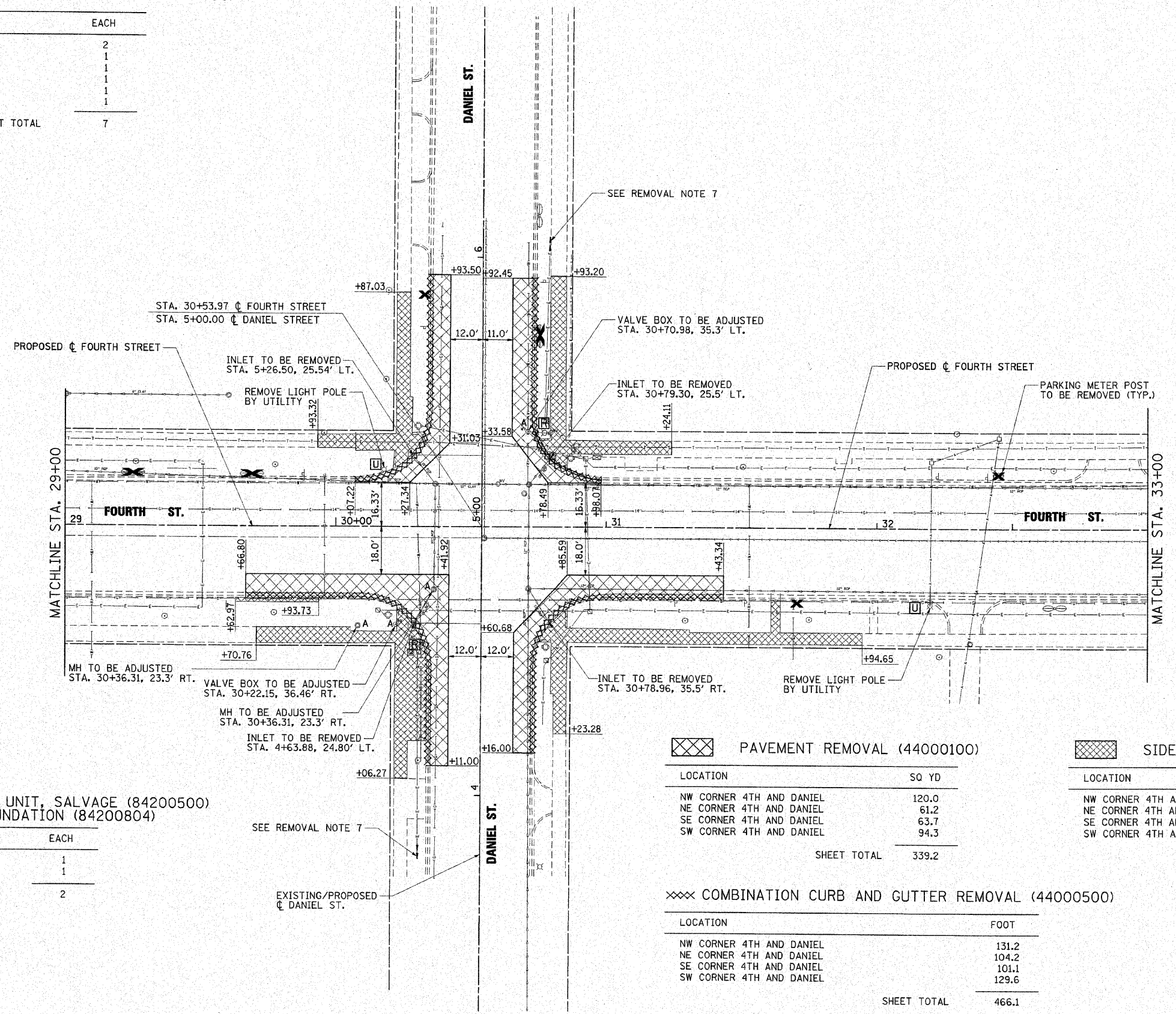


SEE THE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL ITEMS.

SEE PAVEMENT MARKING AND SIGNING PLAN FOR SIGNAGE REMOVAL AND RELOCATIONS.

THE LIMITS OF SIDEWALK REMOVAL AND BRICK PAVEMENT REMOVAL ARE NOT SHOWN FOR THE REMOVAL AND/OR INSTALLATION OF LIGHT POLES, JUNCTION BOXES, OR PARKING METERS QUANTITIES FOR THIS WORK ARE INCLUDED ON THE PLANS.

SEE SITE IMPROVEMENTS PLAN FOR STORM SEWER REMOVALS AND STRUCTURE ADJUSTMENTS.



**X** REMOVAL OF LIGHTING UNIT, SALVAGE (84200500)  
REMOVAL OF POLE FOUNDATION (84200804)

STATION	EACH	
30+31 RT.	1	
30+78 LT.	1	
SHEET TOTAL		2

PAVEMENT REMOVAL (44000100)

LOCATION	SQ YD	
NW CORNER 4TH AND DANIEL	120.0	
NE CORNER 4TH AND DANIEL	61.2	
SE CORNER 4TH AND DANIEL	63.7	
SW CORNER 4TH AND DANIEL	94.3	
SHEET TOTAL		339.2

SIDEWALK REMOVAL (44000600)

LOCATION	SQ FT	
NW CORNER 4TH AND DANIEL	1008.0	
NE CORNER 4TH AND DANIEL	622.4	
SE CORNER 4TH AND DANIEL	725.2	
SW CORNER 4TH AND DANIEL	921.4	
SHEET TOTAL		3275.0

COMBINATION CURB AND GUTTER REMOVAL (44000500)

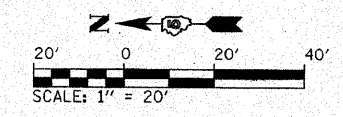
LOCATION	FOOT	
NW CORNER 4TH AND DANIEL	131.2	
NE CORNER 4TH AND DANIEL	104.2	
SE CORNER 4TH AND DANIEL	101.1	
SW CORNER 4TH AND DANIEL	129.6	
SHEET TOTAL		466.1











SEE PAVEMENT MARKING AND SIGNING PLAN FOR SIGNAGE REMOVAL AND RELOCATIONS.

PARKING METER POST TO BE REMOVED (TYP.)

MATCHLINE STA. 42+00

42

43

44

FOURTH ST.

GREGORY ST.

END IMPROVEMENTS  
FOURTH STREET  
STA. 44+07.56

PROPOSED  $\phi$  FOURTH STREET

EXISTING  $\phi$  FOURTH STREET

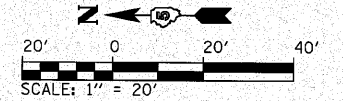
RELOCATE PARKING METER TO STA. 41+58.30, 27.75' RT. MEASURED AS (REMOVE SIGN PANEL ASSEMBLY, TYPE A 1 EACH)

**X** PARKING METER POSTS TO BE REMOVED (Z0036700)

STATION	TO	STATION	EACH
42+27		42+73 LT.	2
SHEET TOTAL			2

FILE NAME = I:\champaign\100940100\draw\cadd_sheets\	USER NAME = Jim Michael Removal-06_Gregory.dgn PLOT SCALE = 20.0000' / IN. PLOT DATE = 10/18/2010	DESIGNED - RMM DRAWN - RAH CHECKED - JMM DATE - 10/15/2010	<p><b>CMT</b>                  CRAWFORD, MURPHY &amp; TILLY, INC.                  CONSULTING ENGINEERS                  License No. 064-000613</p>	<p><b>CITY OF CHAMPAIGN</b>                  DEPARTMENT OF PUBLIC WORKS</p>	<p><b>REMOVAL / RELOCATION</b>                  FOURTH STREET IMPROVEMENT                  CHAMPAIGN, ILLINOIS</p>	F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 13
SCALE: 1" = 20'    SHEET NO. OF SHEETS    STA. 42+00    TO STA. 45+00						CONTRACT NO. 91445 ILLINOIS FED. AID PROJECT				

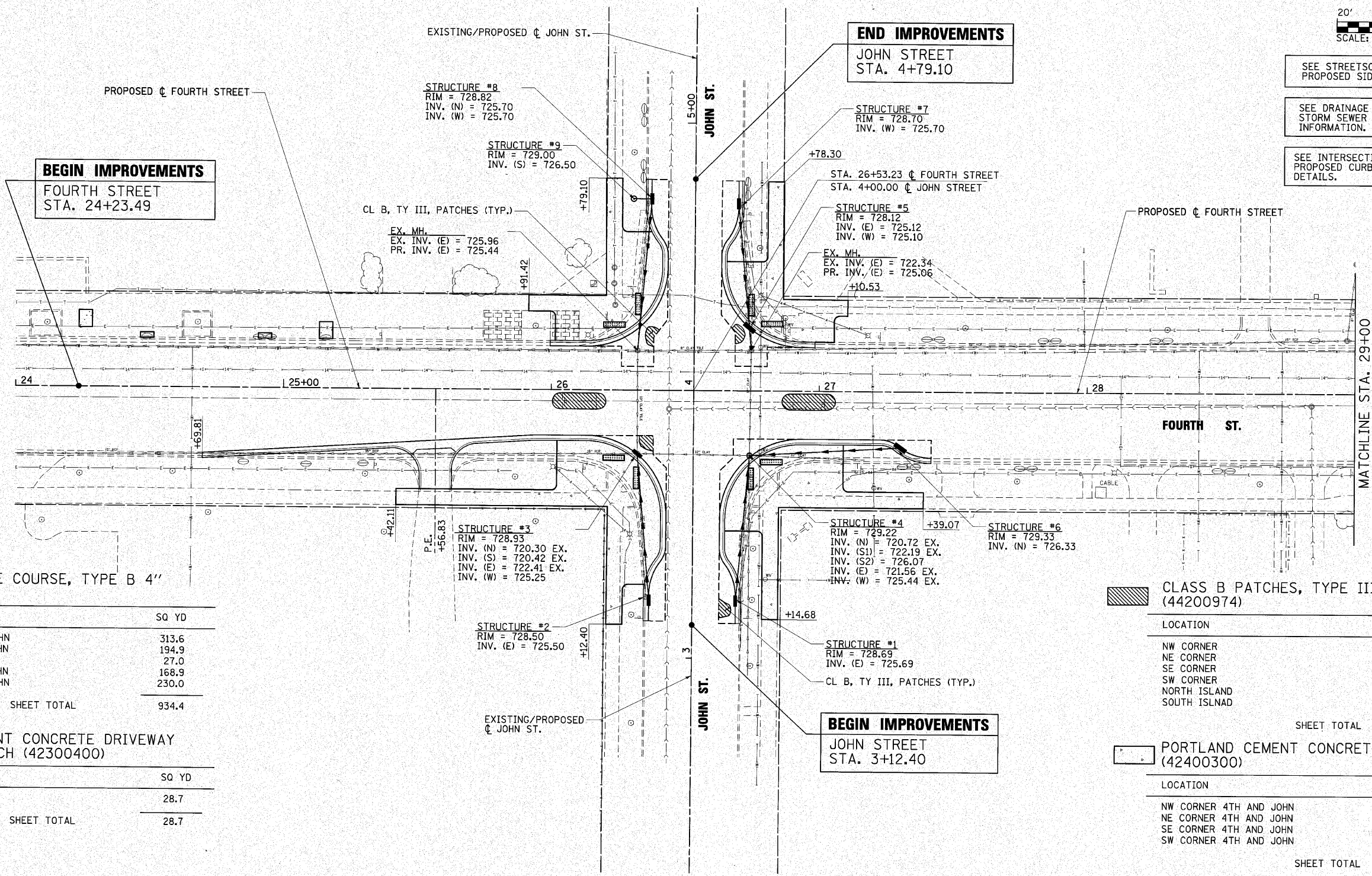




SEE STREETScape DETAIL SHEETS FOR PROPOSED SIDEWALK IMPROVEMENTS.

SEE DRAINAGE SCHEDULES FOR DETAILED STORM SEWER PIPE AND STRUCTURE INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR PROPOSED CURB & GUTTER AND SIDEWALK DETAILS.



**AGGREGATE BASE COURSE, TYPE B 4" (35101600)**

LOCATION	SQ YD
NW CORNER 4TH AND JOHN	313.6
NE CORNER 4TH AND JOHN	194.9
ALONG CENTERLINE	27.0
SE CORNER 4TH AND JOHN	168.9
SW CORNER 4TH AND JOHN	230.0
<b>SHEET TOTAL</b>	<b>934.4</b>

**PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)**

LOCATION	SQ YD
STA. 25+56.83, RT.	28.7
<b>SHEET TOTAL</b>	<b>28.7</b>

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL) (60604800)**

LOCATION	FOOT
NW CORNER 4TH AND JOHN	242.5
NE CORNER 4TH AND JOHN	104.9
SE CORNER 4TH AND JOHN	95.6
SW CORNER 4TH AND JOHN	148.3
<b>SHEET TOTAL</b>	<b>591.3</b>

**CLASS B PATCHES, TYPE III, 10 INCH (44200974)**

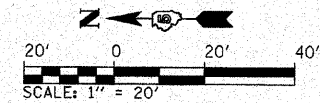
LOCATION	SQ YD
NW CORNER	60.8
NE CORNER	83.5
SE CORNER	79.9
SW CORNER	75.6
NORTH ISLAND	13.5
SOUTH ISLAND	13.5
<b>SHEET TOTAL</b>	<b>326.8</b>

**PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)**

LOCATION	SQ FT
NW CORNER 4TH AND JOHN	1969.4
NE CORNER 4TH AND JOHN	1384.6
SE CORNER 4TH AND JOHN	1097.0
SW CORNER 4TH AND JOHN	1542.0
<b>SHEET TOTAL</b>	<b>5993.0</b>

**DETECTABLE WARNINGS (42400800)**

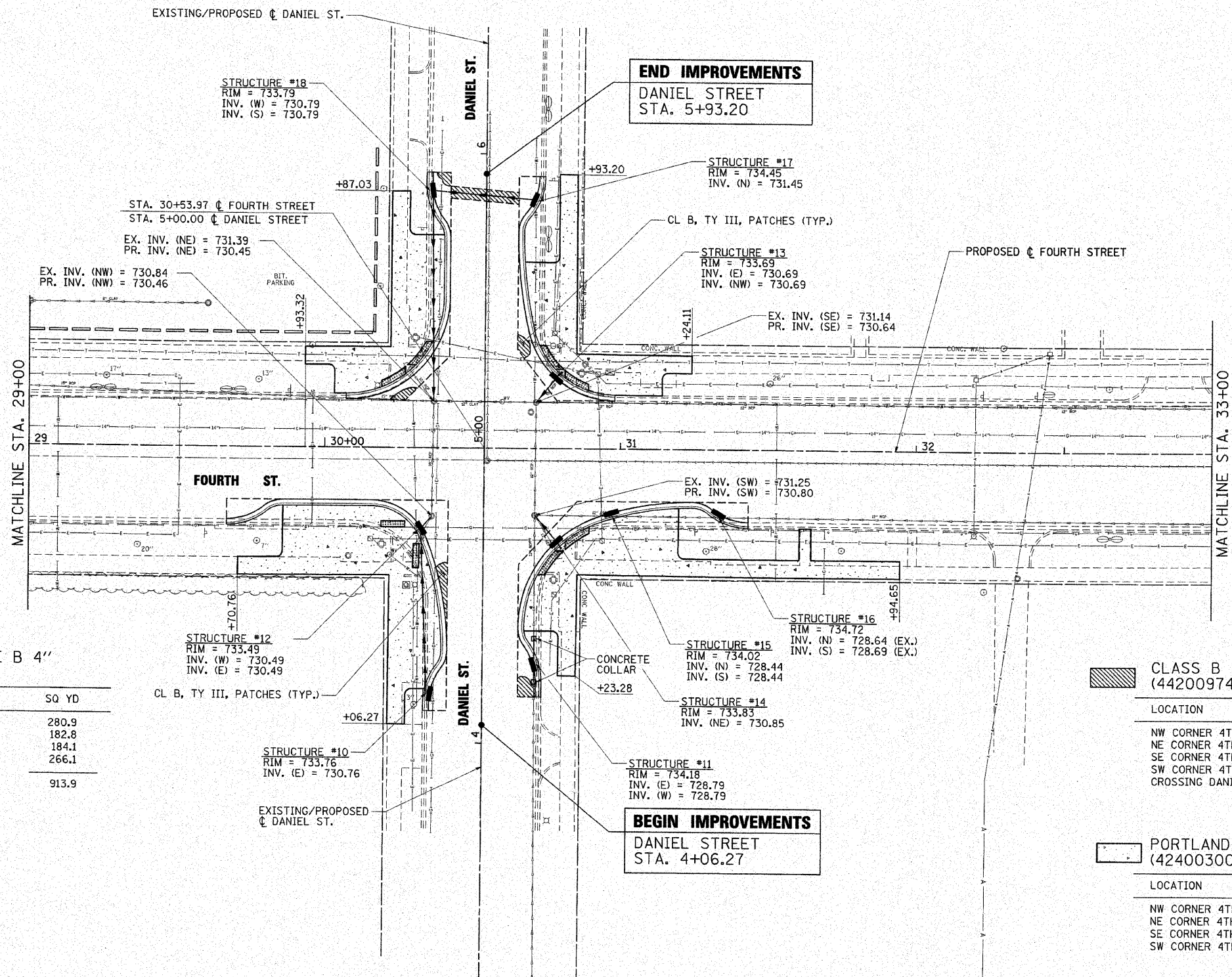
LOCATION	SQ FT
NW CORNER 4TH AND JOHN	32.0
NE CORNER 4TH AND JOHN	32.0
SE CORNER 4TH AND JOHN	32.0
SW CORNER 4TH AND JOHN	32.0
<b>SHEET TOTAL</b>	<b>128.0</b>



SEE STREETScape DETAIL SHEETS FOR PROPOSED SIDEWALK IMPROVEMENTS.

SEE DRAINAGE SCHEDULES FOR DETAILED STORM SEWER PIPE AND STRUCTURE INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR PROPOSED CURB & GUTTER AND SIDEWALK DETAILS.



**AGGREGATE BASE COURSE, TYPE B 4" (35101600)**

LOCATION	SQ YD
NW CORNER 4TH AND DANIEL	280.9
NE CORNER 4TH AND DANIEL	182.8
SE CORNER 4TH AND DANIEL	184.1
SW CORNER 4TH AND DANIEL	266.1
<b>SHEET TOTAL</b>	<b>913.9</b>

**STRUCTURE #12**  
RIM = 733.49  
INV. (W) = 730.49  
INV. (E) = 730.49

CL B, TY III, PATCHES (TYP.)

**STRUCTURE #10**  
RIM = 733.76  
INV. (E) = 730.76

EXISTING/PROPOSED  
CL DANIEL ST.

**END IMPROVEMENTS**  
DANIEL STREET  
STA. 5+93.20

**STRUCTURE #17**  
RIM = 734.45  
INV. (N) = 731.45

**STRUCTURE #13**  
RIM = 733.69  
INV. (E) = 730.69  
INV. (NW) = 730.69

EX. INV. (SE) = 731.14  
PR. INV. (SE) = 730.64

EX. INV. (SW) = 731.25  
PR. INV. (SW) = 730.80

**STRUCTURE #15**  
RIM = 734.02  
INV. (N) = 728.44  
INV. (S) = 728.44

**STRUCTURE #14**  
RIM = 733.83  
INV. (NE) = 730.85

**BEGIN IMPROVEMENTS**  
DANIEL STREET  
STA. 4+06.27

**STRUCTURE #11**  
RIM = 734.18  
INV. (E) = 728.79  
INV. (W) = 728.79

**CLASS B PATCHES, TYPE III, 10 INCH (44200974)**

LOCATION	SQ YD
NW CORNER 4TH AND DANIEL	44.3
NE CORNER 4TH AND DANIEL	26.7
SE CORNER 4TH AND DANIEL	31.4
SW CORNER 4TH AND DANIEL	48.6
CROSSING DANIEL ST.	7.7
<b>SHEET TOTAL</b>	<b>158.7</b>

**PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)**

LOCATION	SQ FT
NW CORNER 4TH AND DANIEL	1969.4
NE CORNER 4TH AND DANIEL	1302.9
SE CORNER 4TH AND DANIEL	1291.9
SW CORNER 4TH AND DANIEL	1802.7
<b>SHEET TOTAL</b>	<b>6366.9</b>

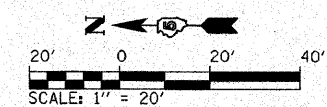
**DETECTABLE WARNINGS (42400800)**

LOCATION	SQ FT
NW CORNER 4TH AND DANIEL	32.0
NE CORNER 4TH AND DANIEL	38.5
SE CORNER 4TH AND DANIEL	38.2
SW CORNER 4TH AND DANIEL	39.4

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL) (60604800)**

LOCATION	FOOT
NW CORNER 4TH AND DANIEL	144.8
NE CORNER 4TH AND DANIEL	108.6
SE CORNER 4TH AND DANIEL	104.9
SW CORNER 4TH AND DANIEL	136.6
<b>SHEET TOTAL</b>	<b>494.9</b>

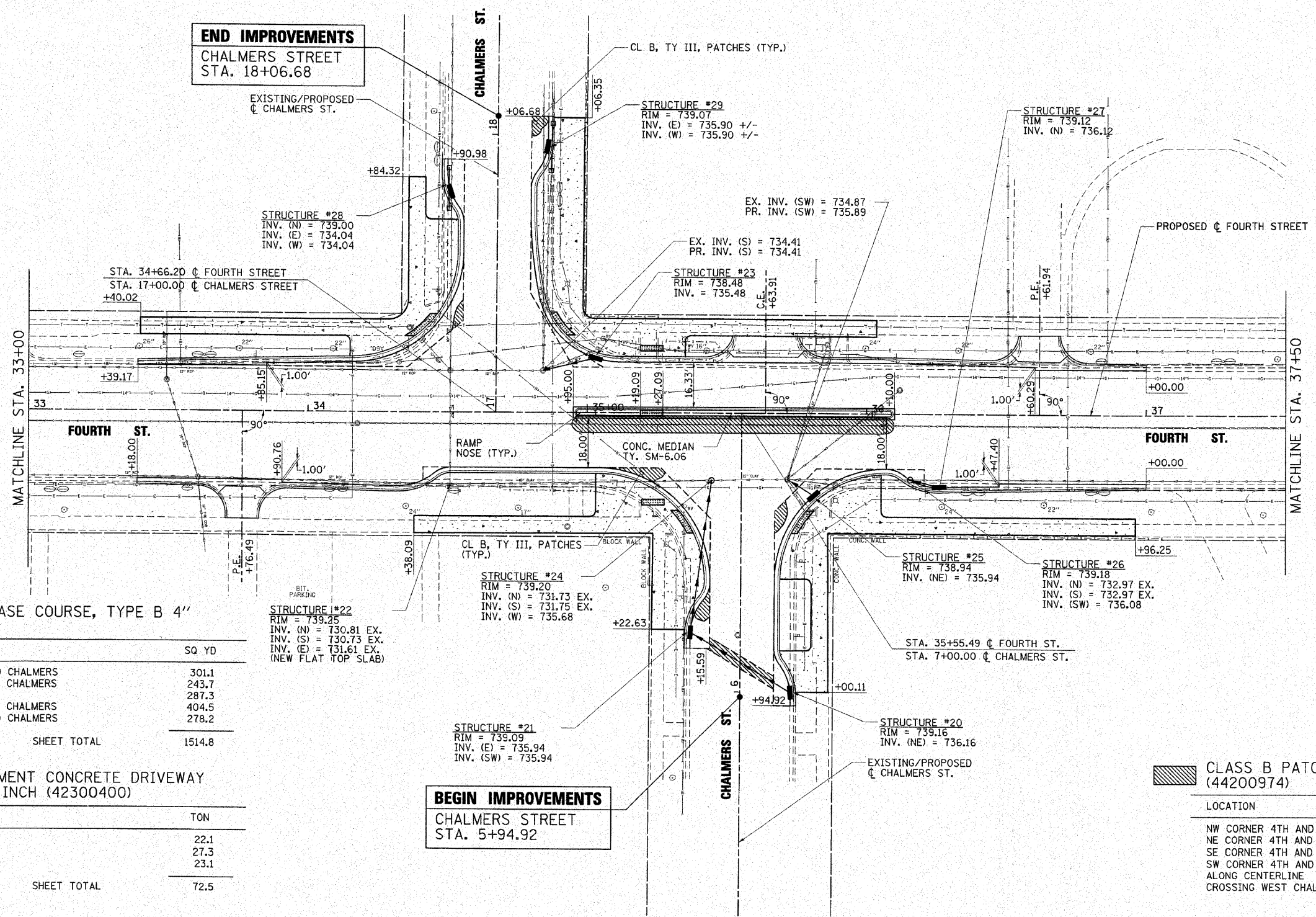




SEE STREETSCAPE DETAIL SHEETS FOR PROPOSED SIDEWALK IMPROVEMENTS.

SEE DRAINAGE SCHEDULES FOR DETAILED STORM SEWER PIPE AND STRUCTURE INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR PROPOSED CURB & GUTTER AND SIDEWALK DETAILS.



**AGGREGATE BASE COURSE, TYPE B 4" (35101600)**

LOCATION	SQ YD
NW CORNER 4TH AND CHALMERS	301.1
NE CORNER 4TH AND CHALMERS	243.7
ALONG CENTERLINE	287.3
SE CORNER 4TH AND CHALMERS	404.5
SW CORNER 4TH AND CHALMERS	278.2
<b>SHEET TOTAL</b>	<b>1514.8</b>

**PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)**

LOCATION	TON
STA. 33+76.47, RT.	22.1
STA. 35+63.91, LT.	27.3
STA. 36+61.94, LT.	23.1
<b>SHEET TOTAL</b>	<b>72.5</b>

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL) (60604800)**

LOCATION	FOOT
NW CORNER 4TH AND CHALMERS	266.6
NE CORNER 4TH AND CHALMERS	184.6
SE CORNER 4TH AND CHALMERS	305.8
SW CORNER 4TH AND CHALMERS	215.5
<b>SHEET TOTAL</b>	<b>971.5</b>

**BEGIN IMPROVEMENTS**  
CHALMERS STREET  
STA. 5+94.92

**DETECTABLE WARNINGS (42400800)**

LOCATION	SQ FT
NW CORNER 4TH AND CHALMERS	35.6
NE CORNER 4TH AND CHALMERS	23.4
SE CORNER 4TH AND CHALMERS	36.7
SW CORNER 4TH AND CHALMERS	19.6
CENTERLINE	16.0
<b>SHEET TOTAL</b>	<b>131.5</b>

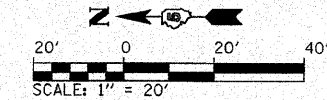
**CLASS B PATCHES, TYPE III, 10 INCH (44200974)**

LOCATION	SQ FT
NW CORNER 4TH AND CHALMERS	67.3
NE CORNER 4TH AND CHALMERS	41.8
SE CORNER 4TH AND CHALMERS	61.2
SW CORNER 4TH AND CHALMERS	75.3
ALONG CENTERLINE	77.7
CROSSING WEST CHALMERS	7.7
<b>SHEET TOTAL</b>	<b>333.7</b>

**PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)**

LOCATION	SQ FT
NW CORNER 4TH AND CHALMERS	1660.7
NE CORNER 4TH AND CHALMERS	1520.6
SE CORNER 4TH AND CHALMERS	1967.0
SW CORNER 4TH AND CHALMERS	1813.9
<b>SHEET TOTAL</b>	<b>6962.2</b>

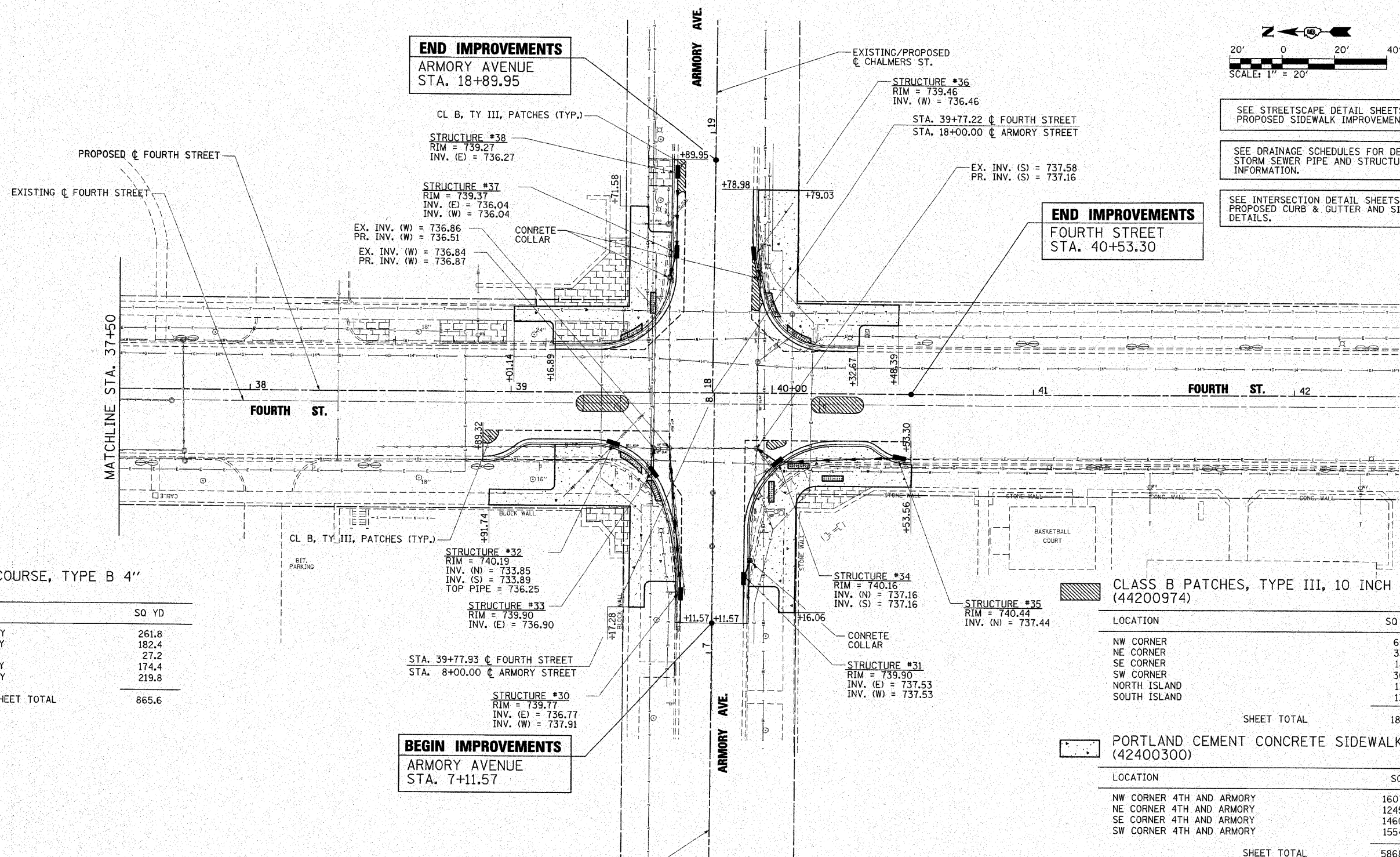




SEE STREETSCAPE DETAIL SHEETS FOR PROPOSED SIDEWALK IMPROVEMENTS.

SEE DRAINAGE SCHEDULES FOR DETAILED STORM SEWER PIPE AND STRUCTURE INFORMATION.

SEE INTERSECTION DETAIL SHEETS FOR PROPOSED CURB & GUTTER AND SIDEWALK DETAILS.



**AGGREGATE BASE COURSE, TYPE B 4" (35101600)**

LOCATION	SQ YD
NW CORNER 4TH AND ARMORY	261.8
NE CORNER 4TH AND ARMORY	182.4
ALONG CENTERLINE	27.2
SE CORNER 4TH AND ARMORY	174.4
SW CORNER 4TH AND ARMORY	219.8
<b>SHEET TOTAL</b>	<b>865.6</b>

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL) (60604800)**

LOCATION	FOOT
NW CORNER 4TH AND ARMORY	140.8
NE CORNER 4TH AND ARMORY	117.2
SE CORNER 4TH AND ARMORY	99.2
SW CORNER 4TH AND ARMORY	130.8
<b>SHEET TOTAL</b>	<b>488.0</b>

**CLASS B PATCHES, TYPE III, 10 INCH (44200974)**

LOCATION	SQ YD
NW CORNER	65.3
NE CORNER	33.5
SE CORNER	18.8
SW CORNER	36.4
NORTH ISLAND	13.7
SOUTH ISLAND	13.6
<b>SHEET TOTAL</b>	<b>181.3</b>

**PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (42400300)**

LOCATION	SQ FT
NW CORNER 4TH AND ARMORY	1607.5
NE CORNER 4TH AND ARMORY	1245.0
SE CORNER 4TH AND ARMORY	1460.9
SW CORNER 4TH AND ARMORY	1554.6
<b>SHEET TOTAL</b>	<b>5868.0</b>

**DETECTABLE WARNINGS (42400800)**

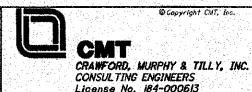
LOCATION	SQ FT
NW CORNER 4TH AND ARMORY	37.5
NE CORNER 4TH AND ARMORY	34.4
SE CORNER 4TH AND ARMORY	40.2
SW CORNER 4TH AND ARMORY	32.0
<b>SHEET TOTAL</b>	<b>144.1</b>

**DRAINAGE SCHEDULE - STORM SEWER**

STATION / LOCATION	20800150		54249510		550A0050		550A0340		55100500		Z0056648		Z0056668	
	TRENCH BACKFILL (CLSM UNDER ALL PAVEMENT AREAS)		CONCRETE COLLAR		STORM SEWERS, CLASS A, TYPE 1 12"		STORM SEWERS, CLASS A, TYPE 2 12"		STORM SEWER REMOVAL 12"		STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"		STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	
	(CU YD)		(CU YD)		(FOOT)		(FOOT)		(FOOT)		(FOOT)		(FOOT)	
FOURTH ST. AND JOHN ST.														
STR. #4	TO	STR. #6	RT.	22.0					55.7		55.7			
STR. #1	TO	STR. #4	RT.	20.3					51.3		51.3			
STR. #2	TO	STR. #3	LT.	20.1		50.8			50.8					
STR. EX. (4+15.78)	TO	STR. #8	LT.	20.7		52.2			52.2					
STR. EX. (4+25.61)	TO	STR. #5	RT.	1.2							7.2			
STR. #5	TO	STR. #7	RT.	6.7							41.9			
STR. #8	TO	STR. #9	LT.	0.7		4.2								
FOURTH ST. AND DANIEL ST.														
STR. #10	TO	STR. #12	LT.	8.2							51.0			
STR. #11	TO	STR. #11	RT.	3.5	1		6.0		6.0					
STR. #11	TO	STR. #11	RT.	3.5	1		6.0		6.0					
STR. EX. (4+63.88)	TO	STR. EX. (4+75.71)	LT.	3.1					13.3					
STR. EX. (4+64.92)	TO	STR. EX. (4+76.38)	RT.	3.2					13.5					
STR. #14	TO	STR. EX. (4+77.23)	RT.	1.9		11.8								
STR. #12	TO	STR. EX. (4+76.58)	LT.	0.9							5.6			
STR. EX. (5+15.77)	TO	STR. #13	RT.	4.7				12.4			11.0			
STR. EX. (5+15.74)	TO	STR. #18	LT.	11.1		69.1								
STR. #17	TO	STR. #18	L./RT	5.6		35.1								
FOURTH ST. AND CHALMERS ST.														
STR. #20	TO	STR. #21	-	6.7							42.0			
STR. #21	TO	STR. #24	LT.	8.7									54.5	
STR. EX. (6+65.11)	TO	STR. EX. (6+75.46)	RT.	3.1					13.1					
STR. #25	TO	STR. EX. (6+76.28)	RT.	1.8		11.3								
STR. EX. (6+74.41)	TO	STR. EX. (6+76.28)	RT.	4.1					17.3					
STR. EX. (17+15.22)	TO	STR. #23	RT.	3.0		18.5								
STR. EX. (17+15.22)	TO	STR. EX. (17+23.31)	RT.	5.0					21.4					
STR. #28	TO	STR. #28	LT.	3.2	1	6.0			6.0					
STR. #28	TO	STR. #28	LT.	3.2	1	6.0			6.0					
STR. #29	TO	STR. #29	RT.	2.4	1	6.0			6.0					
STR. #29	TO	STR. #29	RT.	2.4	1	6.0			6.0					
STR. #27	TO	STR. #26	RT.	1.2		7.6								
FOURTH ST. AND ARMORY AVE.														
STR. #30	TO	STR. EX. (7+78.67)	LT.	22.4		56.2			57.0					
STR. #31	TO	STR. #31	RT.	1.0	1						6.0			
STR. EX. (7+64.23)	TO	STR. EX. (7+78.40)	LT.	3.4					14.5					
STR. EX. (7+66.34)	TO	STR. EX. (7+79.12)	RT.	3.9					16.7					
STR. #33	TO	STR. EX. (7+78.94)	LT.	1.4		8.7								
STR. #34	TO	STR. EX. (7+79.12)	RT.	1.5		9.4								
STR. #35	TO	STR. #34	RT.	7.5							46.8			
STR. #37	TO	STR. EX. (18+51.56)	LT.	1.2	1	7.6								
STR. EX. (18+45.22)	TO	STR. EX. (18+56.49)	LT.	2.9					12.3					
STR. #36	TO	STR. EX. (18+51.71)	RT.	1.2	1	7.5								
STR. EX. (18+45.37)	TO	STR. EX. (18+52.71)	RT.	2.9					12.3					
STR. #37	TO	STR. #38	LT.	4.2		26.0								
TOTAL				235.5	9.0	400.0	12.0	449.8	318.5	54.5				

FILE NAME = I:\champaign\100940180\draw\cadd\sheet5  
 USER NAME = Jim Michael  
 2005-Sched\Juan-4thStreet.dgn  
 PLOT SCALE = 50.0000' / IN.  
 PLOT DATE = 10/18/2010

DESIGNED - MWD  
 DRAWN - RAH  
 CHECKED - JMM  
 DATE - 10/15/2010



**CITY OF CHAMPAIGN  
 DEPARTMENT OF PUBLIC WORKS**

**SITE IMPROVEMENT PLAN  
 FOURTH STREET IMPROVEMENT  
 CHAMPAIGN, ILLINOIS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	18
CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. OF SHEETS STA. TO STA.



**DRAINAGE SCHEDULE - STRUCTURES**

STRUCTURE NUMBER	STATION / LOCATION	28000510	RESTRICTED DEPTH	60218400	60218600	60218900	60235800	60236100	60236200	60240225	60240240	60255600	60255700	60266600	60500040	6050060
		INLET FILTERS (EACH)		MANHOLES, TYPE A, 4'-DIAMETER,			INLETS, TYPE A,			INLETS, TYPE B,		MANHOLES TO BE ADJUSTED (SPECIAL) (EACH)	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (EACH)	VALVE BOXES TO BE ADJUSTED (EACH)	REMOVING MANHOLES (EACH)	REMOVING INLETS (EACH)
				TYPE 1 FRAME, CLOSED LID (EACH)	TYPE 4 FRAME AND GRATE (EACH)	TYPE 6 FRAME AND GRATE (EACH)	TYPE 4 FRAME AND GRATE (EACH)	TYPE 6 FRAME AND GRATE (EACH)	TYPE 8 GRATE (EACH)	TYPE 4 FRAME AND GRATE (EACH)	TYPE 6 FRAME AND GRATE (EACH)					
FOURTH ST. AND JOHN ST.																
1 & EX.	3+21.50	16.17' RT.	1					1								1
2 & EX.	3+21.50	16.17' LT.	1					1								1
3	26+32.23	23.7' RT.	1	X												
EX. MH	26+32.14	14.84' LT.			1											
4	26+74.11	24.16' RT.	1	X								1				
EX. MH	26+74.56	15.13' LT.										1			1	
5	26+73.83	23.57' LT.	1													
EX. VALVE	26+78.08	25.58' RT.								1						
EX. VALVE	26+78.08	16.31' LT.												1		
6	27+30.33	20.96' RT.	1											1		
7 & EX.	4+70.00	16.17' RT.	1													
8 & EX.	4+71.50	16.17' LT.	1													1
9	4+71.50	23.00' LT.	1							1						1
FOURTH ST. AND DANIEL ST.																
10	4+16.68	17.74' LT.	1							1						
11	4+27.05	17.16' RT.	1													
EX. MH	30+08.15	36.95' RT.									1					
EX. VALVE	30+22.15	36.46' RT.										1				
EX. INLET	30+28.56	26.58' LT.												1		
EX. INLET	30+29.05	36.01' RT.														1
12	30+32.67	27.42' RT.	1													1
EX. MH	30+36.82	15.81' LT.														
EX. MH	30+36.31	23.34' RT.														
EX. VALVE	30+70.98	35.31' LT.														
13	30+78.23	23.94' LT.	1													
EX. INLET	30+79.30	25.50' LT.														1
14	30+78.45	31.76' RT.	1													1
EX. INLET	30+79.96	35.50' RT.														1
15	30+78.95	35.50' RT.	1													
16	31+33.28	21.95' RT.	1													
17	5+84.52	16.36' RT.	1													
18	5+84.05	17.4' RT.	1													
19	N/A	NA-														
FOURTH ST. AND CHALMERS ST.																
20	5+99.86	17.42' RT.	1													
21	6+21.60	17.97' LT.	1													
EX. MH	33+60.63	24.13' RT.														
EX. VALVE	34+32.63	17.90' LT.														
EX. INLET	34+41.21	25.73' LT.														1
22 / EX.	34+50.92	26.06' RT.														
EX. MH	34+93.03	40.90' RT.														
23	35+02.96	19.74' LT.	1													
EX. INLET	35+04.01	22.98' LT.														1




**DRAINAGE SCHEDULE - STRUCTURES**

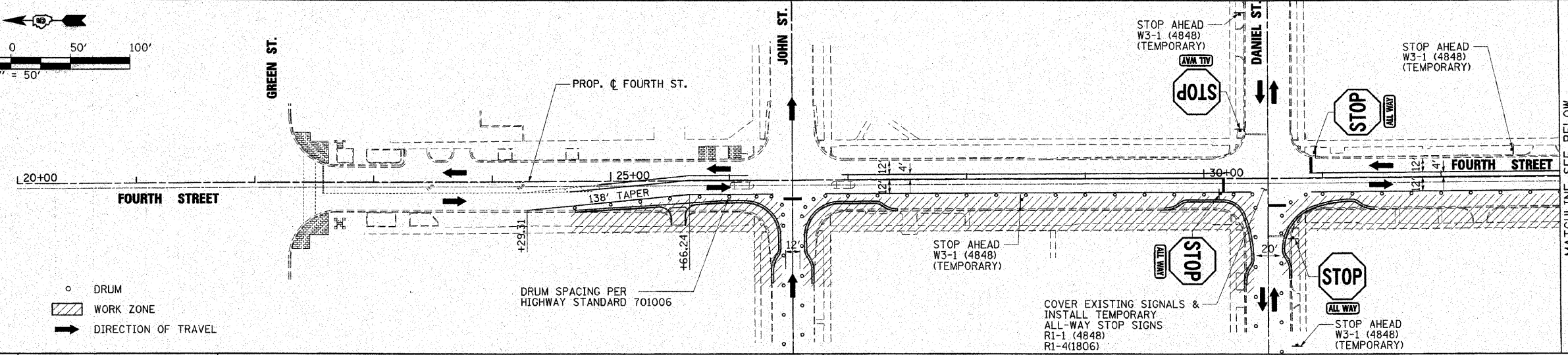
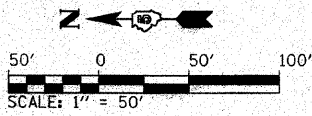
STRUCTURE NUMBER	STATION / LOCATION		28000510	RESTRICTED DEPTH	60218400	60218600	60218900	60225800	60236100	60236200	60240225	60240240	60255600	60255700	60266600	60500040	60500060
			INLET FILTERS		MANHOLES, TYPE A, 4'-DIAMETER,			INLETS, TYPE A,			INLETS, TYPE B,		MANHOLES TO BE ADJUSTED (SPECIAL)	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	VALVE BOXES TO BE ADJUSTED	REMOVING MANHOLES	REMOVING INLETS
					TYPE 1 FRAME, CLOSED LID	TYPE 4 FRAME AND GRATE	TYPE 6 FRAME AND GRATE	TYPE 4 FRAME AND GRATE	TYPE 6 FRAME AND GRATE	TYPE 8 GRATE	TYPE 4 FRAME AND GRATE	TYPE 6 FRAME AND GRATE					
EX. VALVE	35+05.61	26.83' LT.															
24	35+44.56	24.30' RT.	1	X	1										1		
EX. INLET	35+80.43	35.28' RT.															1
25	35+81.08	29.62' RT.	1					1									
EX. INLET	35+88.93	25.73' RT.															1
EX. MH	35+88.93	24.96' LT.												1			
26	36+15.65	23.71' RT.	1	X													
27	36+25.97	26.32' RT.	1						1								
28	17+79.24	16.80' LT.	1	X													
29	17+95.87	17.80' RT.	1	X													
FOURTH ST. AND ARMORY AVE.																	
EX. INLET	7+22.57	13.64' RT.															1
30	7+22.65	12.04' LT.	1						1								
EX. INLET	7+22.79	13.46' LT.															1
31	7+29.01	12.00' RT.	1						1								
EX. MH	39+38.78	20.75' RT.														1	
32	39+39.23	19.28' RT.	1	X		1											
EX. INLET	39+51.71	35.57' RT.															1
33	39+54.65	30.13' RT.	1					1									
EX. MH	39+54.83	21.41' RT.											1				
EX. MH	39+60.84	21.70' RT.											1				
EX. MH	39+94.17	21.00' RT.											1				
EX. VALVE	39+97.04	24.75' RT.												1			
EX VALVE	39+98.32	29.52' RT.												1			
34	40+02.05	26.15' RT.	1	X							1						
EX. INLET	40+04.50	34.16' RT.															1
EX. INLET	40+08.51	22.72' LT.															1
35	40+48.84	24.16' RT.	1						1								
36	18+54.06	15.00' RT.	1						1								
37	18+54.08	14.50' LT.	1									1					
38	18+85.00	14.54' LT.	1						1								
TOTAL			35		1	3	4	6	13	1	2	6	10	2	8	2	17

**TRAFFIC CONTROL GENERAL NOTES**

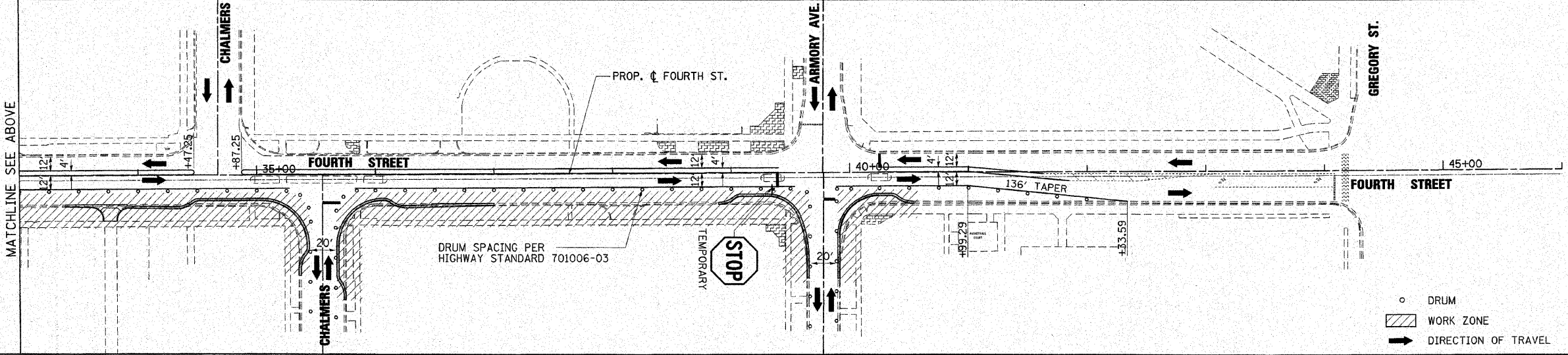
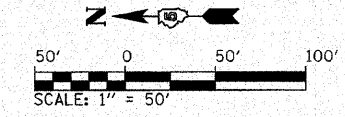
1. THE CONTRACTOR SHALL COORDINATE ALL UTILITY LOCATIONS AND/OR RELOCATIONS OR SERVICE INSTALLATIONS PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT "J.U.L.I.E." AT 800-892-0123 TO LOCATE UNDERGROUND UTILITIES.
2. PRIOR TO INITIATING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL ALL NECESSARY TRAFFIC CONTROL SIGNAGE FOR THE MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH IDOT'S HIGHWAY STANDARDS AND REMOVE ANY CONFLICTING REGULATORY SIGNS.
3. NO DEVIATIONS FROM THE MAINTENANCE OF TRAFFIC PLANS WILL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
4. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; THE APPLICABLE GUIDELINES CONTAINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS ; AND HIGHWAY STANDARDS 701006, 701301, 701311, 701701, 701801, 701901; THE MAINTENANCE OF TRAFFIC PLANS; AND THE SPECIAL PROVISIONS. DELETE ALL REFERENCES TO MEASUREMENT AND PAYMENT.
5. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE POINT OF ACCESS TO EACH PROPERTY IN THE WORK AREA AT ALL TIMES. SHOULD A DRIVE OR ENTRANCE REQUIRE CLOSURE TO PERFORM THE CONTRACT WORK ITEMS, THE CLOSURE SHALL BE COORDINATED WITH THE OWNER AND ENGINEER 48 HOURS IN ADVANCE OF THE WORK. A NOMINAL PLAN QUANTITY OF "AGGREGATE FOR TEMPORARY ACCESS-TON" HAS BEEN ADDED TO FACILITATE THE CONTRACTOR'S ACTIVITIES TO MAINTAIN ACCESS.
6. THE CONTRACTOR SHALL COVER ANY EXISTING SIGN THAT CONFLICTS WITH THE TRAFFIC CONTROL PLAN BUT DOES NOT INTERFERE WITH THE PROPOSED WORK. THE CONTRACTOR SHALL PROVIDE TEMPORARY "STOP" SIGNS (R1-1-4848), AS REQUIRED. THE CONTRACTOR SHALL PROVIDE TEMPORARY "NO PARKING" SIGNS (R7-1-1218) ALONG THE CORRIDOR AS DIRECTED BY THE ENGINEER.
7. TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. ADDITIONAL TRAFFIC CONTROL DEVICES NOT ASSOCIATED WITH ANY TRAFFIC CONTROL STANDARD MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. THE ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.
8. TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
9. WORK ZONE PAVEMENT MARKING SHALL BE INSTALLED AS REQUIRED BY TRAFFIC CONTROL STANDARDS AND THE MAINTENANCE OF TRAFFIC PLAN AND AS DIRECTED BY THE ENGINEER.
10. TEMPORARY PAVEMENT MARKING SHALL BE TYPE III TAPE ON EXISTING PAVEMENT SURFACE TO REMAIN.
11. EXISTING PAVEMENT MARKING SHALL BE REMOVED BY WATER BLASTING AND VACUUM RECOVERY IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS. EXISTING BITUMINOUS SURFACE SHALL REMAIN IN THE FINAL CONDITION. THE CONTRACTOR SHALL MINIMIZE DAMAGE TO THE EXISTING PAVEMENT DURING PAVEMENT MARKING REMOVAL ACTIVITIES.

FILE NAME =	USER NAME = Jim Michael	DESIGNED - RMM	 <b>CMT</b> <small>CHAMFORD, MURPHY &amp; TILLY, INC.</small> <small>CONSULTING ENGINEERS</small> <small>License No. 184-000613</small>	<b>CITY OF CHAMPAIGN</b> <b>DEPARTMENT OF PUBLIC WORKS</b>			<b>MAINTENANCE OF TRAFFIC - NOTES</b> <b>FOURTH STREET IMPROVEMENT</b> <b>CHAMPAIGN, ILLINOIS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\champaign\100940100\draw\cadd\sheets\MOT_Staging.dgn	DRAWN - RAH	CHECKED - JMM								7171	10-00285-00-SP	CHAMPAIGN	55	21
PLOT SCALE = 50.0000' / 1" IN.	DATE - 10/15/2010									CONTRACT NO. 91445				
PLOT DATE = 10/16/2010										ILLINOIS FED. AID PROJECT				
			SCALE: N.T.S.			SHEET NO. 1 OF 3 SHEETS			STA. TO STA.					





○ DRUM  
 ▨ WORK ZONE  
 → DIRECTION OF TRAVEL



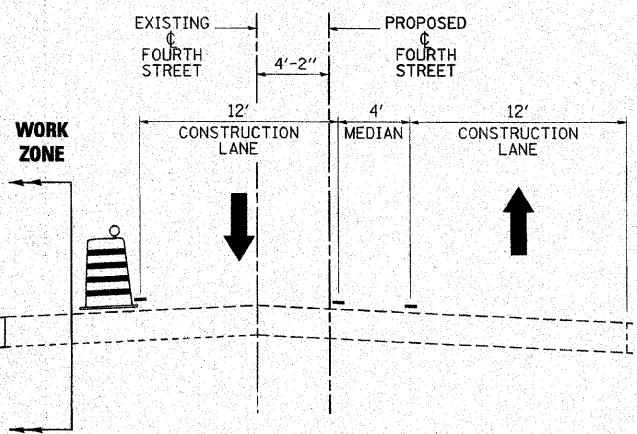
○ DRUM  
 ▨ WORK ZONE  
 → DIRECTION OF TRAVEL

**SEQUENCE OF CONSTRUCTION - PRE-STAGE 1**

1. THE CONTRACTOR SHALL REMOVE ALL PARKING METERS AND POST ALONG THE EAST SIDE OF FOURTH STREET AND BAG/COVER ALL PARKING METERS ON THE WEST SIDE OF FOURTH STREET THROUGH THE PROJECT CORRIDOR. ALL PAVEMENT MARKINGS DELINEATING EXISTING PARKING STALLS SHALL BE REMOVED.
2. EXISTING CONCRETE MEDIANS SHALL BE REMOVED AND REPLACED WITH CLASS B CONCRETE PATCHES. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701502, CASE I. THE MINIMUM TRAFFIC LANE WIDTH SHALL BE 11 FEET.

**SEQUENCE OF CONSTRUCTION - STAGE 1**

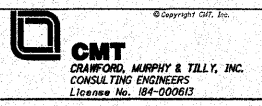
1. THE CONTRACTOR SHALL INSTALL ALL SIGNAGE NECESSARY TO PROVIDE FOUR-WAY STOP CONTROL AT FOURTH STREET & DANIEL STREET UNTIL PROPOSED TRAFFIC SIGNAL INSTALLATION IS TO BE ACTIVATED. EXISTING SIGNAL HEADS SHALL BE COVERED WHEN NOT OPERATIONAL UNTIL REMOVED.
2. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING PAVEMENT MARKING AND INSTALL ANY NECESSARY TEMPORARY OR SHORT TERM STRIPING REQUIRED TO DELINEATE THE WORK ZONE AND TEMPORARY TRAFFIC LANES FOR THIS STAGE OF CONSTRUCTION. STRIPING AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE PLANS. SIDEWALK CLOSURES SHALL BE ACCORDING TO IDOT STANDARD 701801.
3. COMPLETE ALL REMOVALS AND IMPROVEMENTS ALONG THE WEST SIDE OF FOURTH STREET.
4. INSTALL NECESSARY SIGNING AND TEMPORARY PAVEMENT MARKING TO DELINEATE THE WORK ZONE AND TEMPORARY TRAFFIC LANES FOR STAGE 2 ACCORDING TO THE PLAN AND REMOVE ALL CONFLICTING TEMPORARY, SHORT TERM, OR EXISTING PAVEMENT STRIPING.



**STAGE I  
 TYPICAL SECTION - FOURTH STREET  
 (LOOKING NORTH)**

WORK ZONE SPEED LIMIT  
 SHALL BE 20 M.P.H.

FILE NAME =	USER NAME = Jim Michael	DESIGNED - RMM
I:\champaign\100940100\draw\add.sheets\DOT_Staging.dgn		DRAWN - RAH
PLOT SCALE = 50.0000 1/16"		CHECKED - JMM
PLOT DATE = 10/15/2010		DATE - 10/15/2010

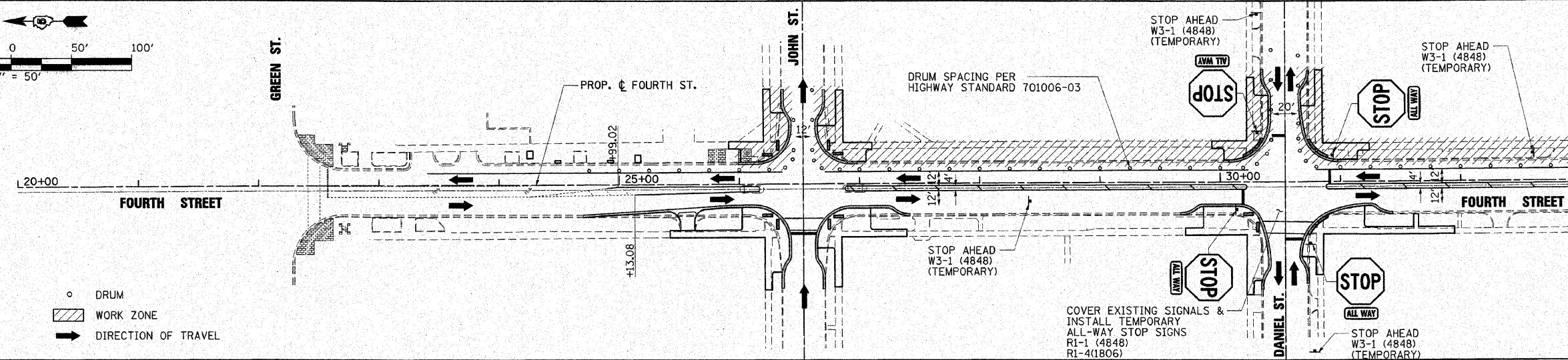
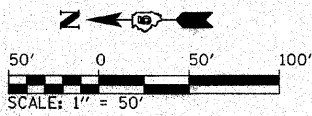


**CITY OF CHAMPAIGN  
 DEPARTMENT OF PUBLIC WORKS**

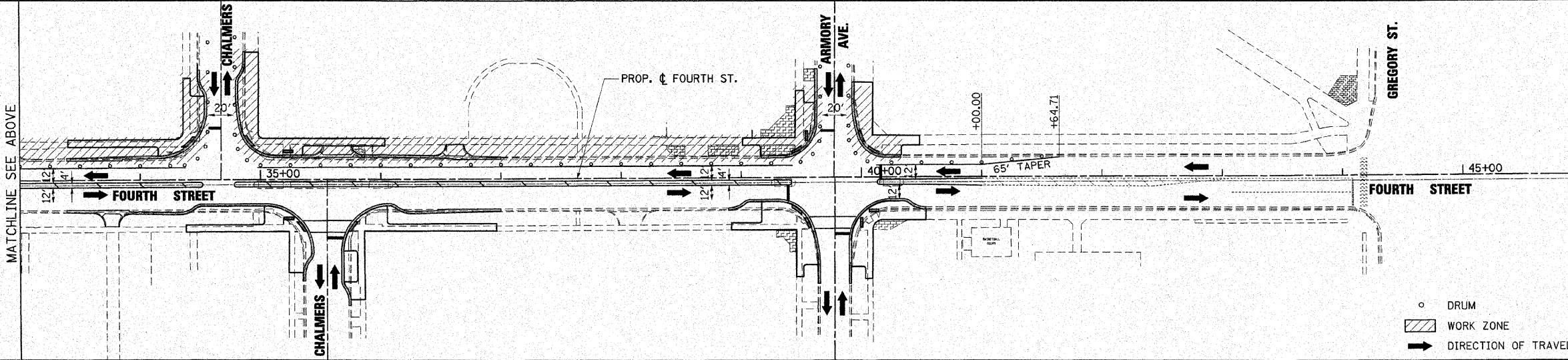
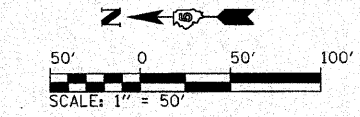
<b>MAINTENANCE OF TRAFFIC - STAGE I          FOURTH STREET IMPROVEMENT          CHAMPAIGN, ILLINOIS</b>	
SCALE: 1" = 100'	SHEET NO. 2 OF 3 SHEETS STA. 20+00 TO STA. 46+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	22
CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	





○ DRUM  
 ▨ WORK ZONE  
 → DIRECTION OF TRAVEL



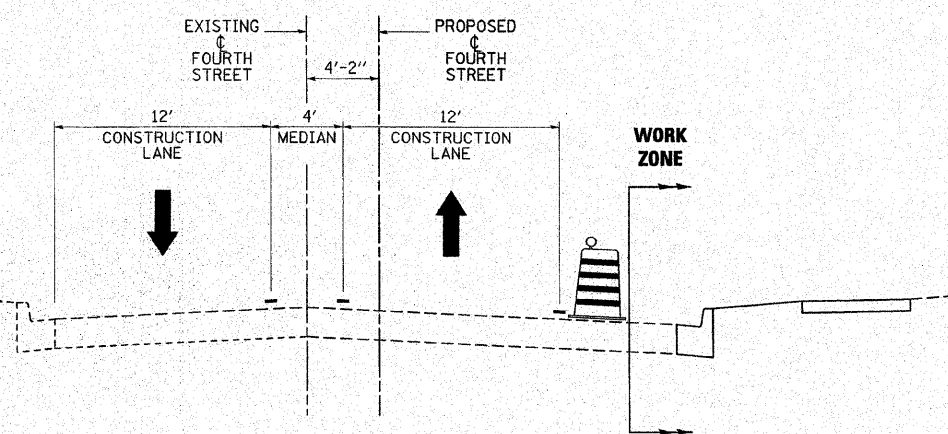
○ DRUM  
 ▨ WORK ZONE  
 → DIRECTION OF TRAVEL

**SEQUENCE OF CONSTRUCTION - STAGE 2**

1. THE CONTRACTOR SHALL COMPLETE ALL REMOVALS AND IMPROVEMENTS ALONG THE EAST SIDE OF FOURTH STREET.
2. TRAFFIC SIGNAL IMPROVEMENTS AT FOURTH STREET & DANIEL STREET SHALL BE COMPLETED. SIGNAL HEADS SHALL BE COVERED UNTIL STAGE 2 CONSTRUCTION COMPLETED.
3. REMOVE ALL TEMPORARY SIGNING AND PAVEMENT MARKING. INSTALL CENTERLINE AND STOP BARS AS DIRECTED BY ENGINEER FOR POST-STAGE 2 OF CONSTRUCTION.

**SEQUENCE OF CONSTRUCTION - POST-STAGE 2**

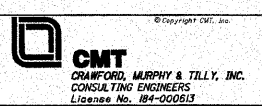
1. CONTRACTOR SHALL INSTALL PROPOSED CONCRETE MEDIAN WHERE SHOWN ON PLANS. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701502, CASE I. THE MINIMUM TRAFFIC LANE WIDTH SHALL BE 11 FEET.
2. TURN ON TRAFFIC SIGNALS AT FOURTH STREET & DANIEL STREET AND REMOVE SIGNAGE FOR ALL-WAY STOP CONTROL.
3. THE CONTRACTOR SHALL COMPLETE FINAL SODDING AND CLEANUP.
4. REMOVE ALL TEMPORARY PAVEMENT MARKINGS AND SIGNAGE.
5. COMPLETE PERMANENT PAVEMENT MARKING AND SIGNAGE PER THE PLANS.



**STAGE II  
 TYPICAL SECTION - FOURTH STREET  
 (LOOKING NORTH)**

WORK ZONE SPEED LIMIT  
 SHALL BE 20 M.P.H.

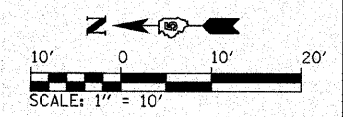
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PLOT DATE = 10/19/2010	DATE = 10/15/2010	



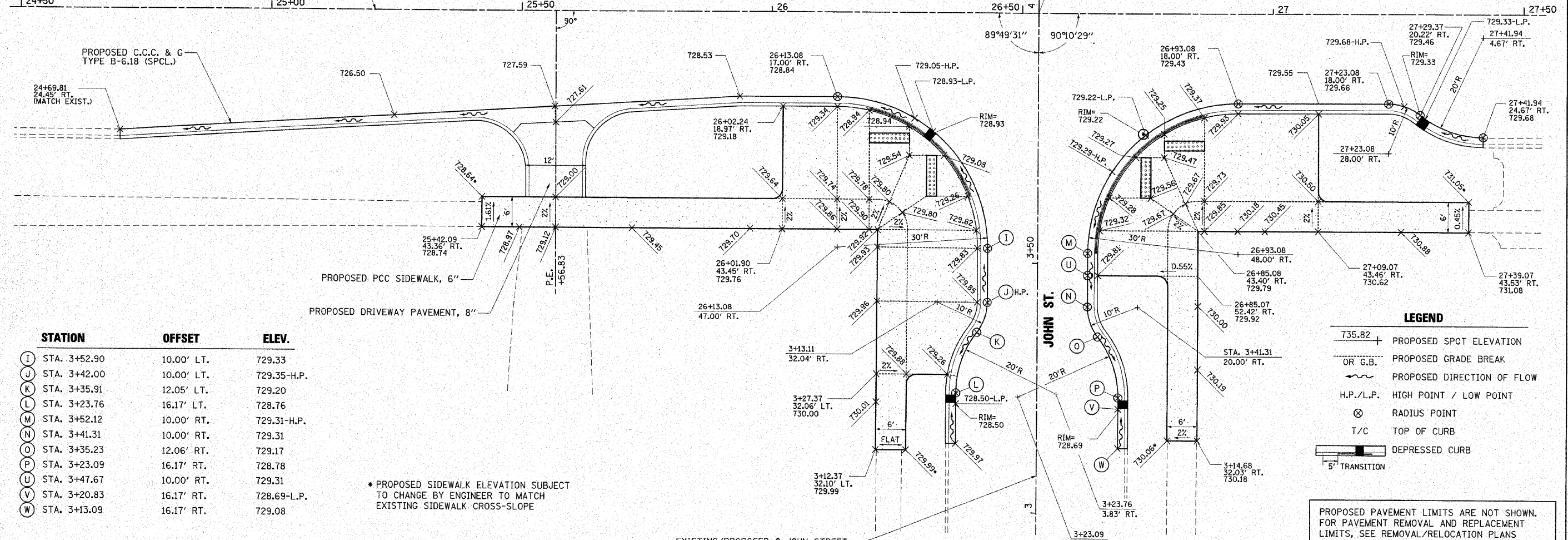
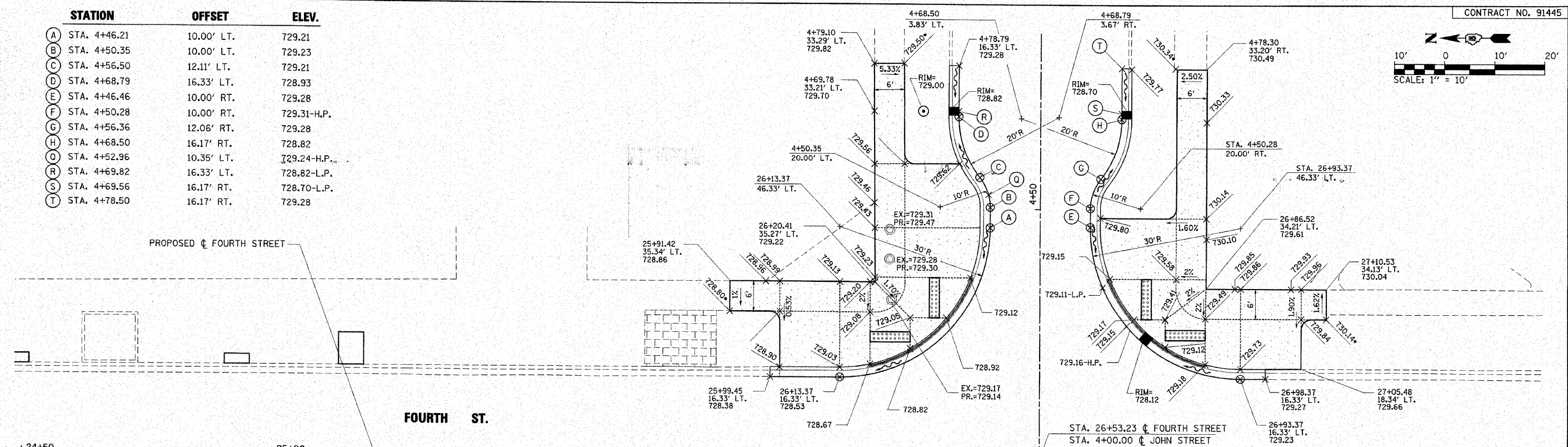
**CITY OF CHAMPAIGN  
 DEPARTMENT OF PUBLIC WORKS**

<b>MAINTENANCE OF TRAFFIC - STAGE II          FOURTH STREET IMPROVEMENT          CHAMPAIGN, ILLINOIS</b>	
SCALE: 1" = 100'	SHEET NO. 3 OF 3 SHEETS
STA. 20+00 TO STA. 46+00	

F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 23
CONTRACT NO. 91445				
ILLINOIS FED. AID PROJECT				



STATION	OFFSET	ELEV.
(A) STA. 4+46.21	10.00' LT.	729.21
(B) STA. 4+50.35	10.00' LT.	729.23
(C) STA. 4+56.50	12.11' LT.	729.21
(D) STA. 4+68.79	16.33' LT.	728.93
(E) STA. 4+46.46	10.00' RT.	729.28
(F) STA. 4+50.28	10.00' RT.	729.31-H.P.
(G) STA. 4+56.36	12.06' RT.	729.28
(H) STA. 4+68.50	16.17' RT.	728.82
(Q) STA. 4+52.96	10.35' LT.	729.24-H.P.
(R) STA. 4+69.82	16.33' LT.	728.82-L.P.
(S) STA. 4+69.56	16.17' RT.	728.70-L.P.
(T) STA. 4+78.50	16.17' RT.	729.28



**LEGEND**

- 735.82 + PROPOSED SPOT ELEVATION
- OR G.B. PROPOSED GRADE BREAK
- ~ PROPOSED DIRECTION OF FLOW
- H.P./L.P. HIGH POINT / LOW POINT
- ⊗ RADIUS POINT
- T/C TOP OF CURB
- DEPRESSED CURB
- 5' TRANSITION

\* PROPOSED SIDEWALK ELEVATION SUBJECT TO CHANGE BY ENGINEER TO MATCH EXISTING SIDEWALK CROSS-SLOPE

PROPOSED PAVEMENT LIMITS ARE NOT SHOWN. FOR PAVEMENT REMOVAL AND REPLACEMENT LIMITS, SEE REMOVAL/RELOCATION PLANS

STATION	OFFSET	ELEV.
(I) STA. 3+52.90	10.00' LT.	729.33
(J) STA. 3+42.00	10.00' LT.	729.35-H.P.
(K) STA. 3+35.91	12.05' LT.	729.20
(L) STA. 3+23.76	16.17' LT.	728.76
(M) STA. 3+52.12	10.00' RT.	729.31-H.P.
(N) STA. 3+41.31	10.00' RT.	729.31
(O) STA. 3+35.23	12.06' RT.	729.17
(P) STA. 3+23.09	16.17' RT.	728.78
(U) STA. 3+47.67	10.00' RT.	729.31
(V) STA. 3+20.83	16.17' RT.	728.69-L.P.
(W) STA. 3+13.09	16.17' RT.	729.08

FILE NAME =	USER NAME = Jim Michael	DESIGNED - BMB
I:\champaign\100940100\draw\cadd\sheet	INTERSECTION=John.dgn	DRAWN - ZAH
	PLOT SCALE = 1/8"=1'-0"	CHECKED - JMM
	PLOT DATE = 10/18/2010	DATE = 10/15/2010

**CMT**  
CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS  
License No. 04-000613

**CITY OF CHAMPAIGN**  
DEPARTMENT OF PUBLIC WORKS

**INTERSECTION DETAILS**  
FOURTH STREET IMPROVEMENTS  
CHAMPAIGN, ILLINOIS

SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. TO STA.

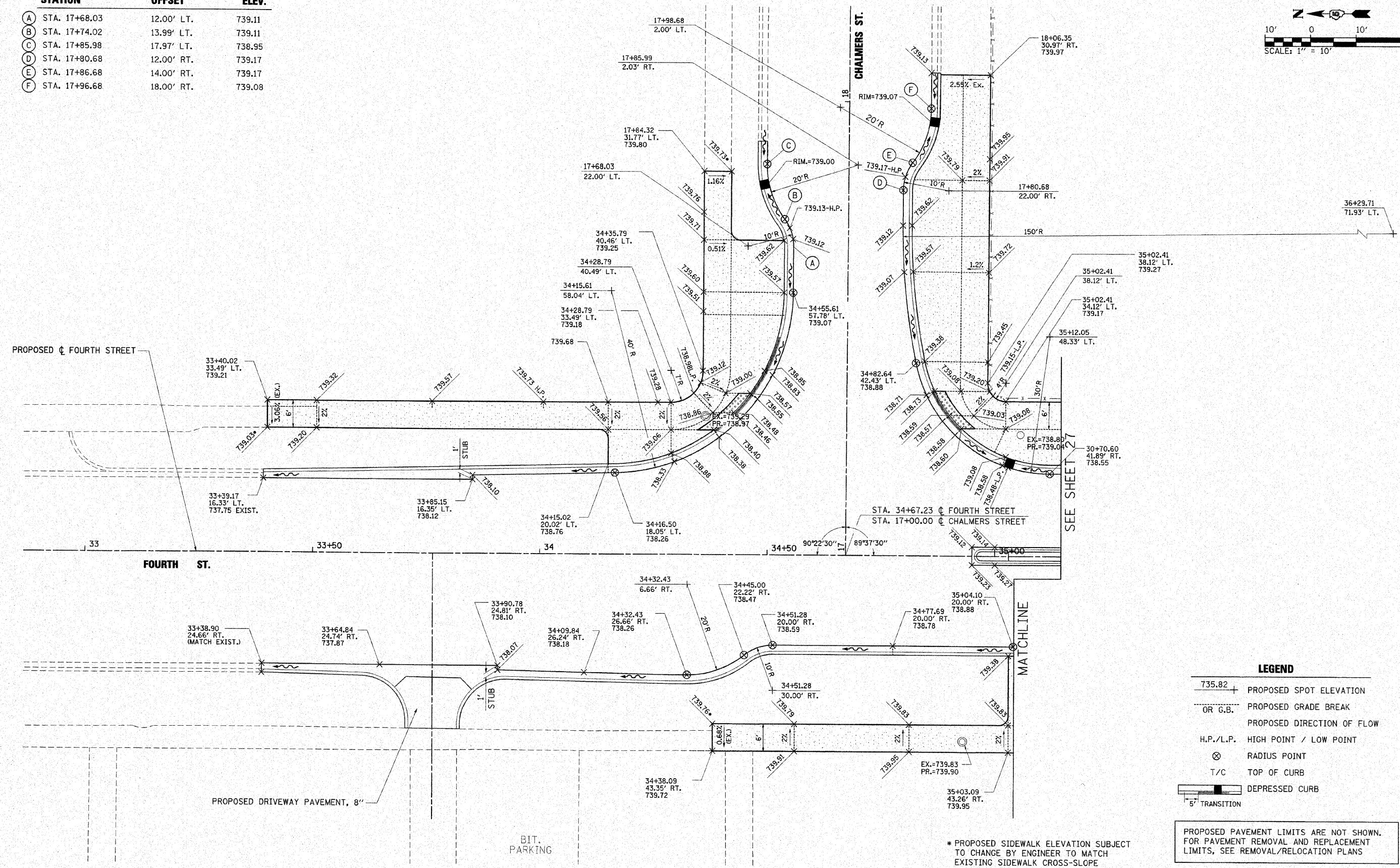
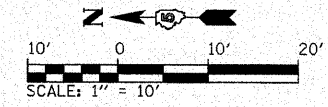
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	24

CONTRACT NO. 91445  
ILLINOIS FED. AID PROJECT





STATION	OFFSET	ELEV.
(A) STA. 17+68.03	12.00' LT.	739.11
(B) STA. 17+74.02	13.99' LT.	739.11
(C) STA. 17+85.98	17.97' LT.	738.95
(D) STA. 17+80.68	12.00' RT.	739.17
(E) STA. 17+86.68	14.00' RT.	739.17
(F) STA. 17+96.68	18.00' RT.	739.08



**LEGEND**

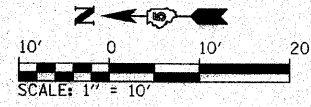
- 735.82 + PROPOSED SPOT ELEVATION
- OR G.B. PROPOSED GRADE BREAK
- PROPOSED DIRECTION OF FLOW
- H.P./L.P. HIGH POINT / LOW POINT
- ⊗ RADIUS POINT
- T/C TOP OF CURB
- DEPRESSED CURB
- 5' TRANSITION

PROPOSED PAVEMENT LIMITS ARE NOT SHOWN. FOR PAVEMENT REMOVAL AND REPLACEMENT LIMITS, SEE REMOVAL/RELOCATION PLANS

\* PROPOSED SIDEWALK ELEVATION SUBJECT TO CHANGE BY ENGINEER TO MATCH EXISTING SIDEWALK CROSS-SLOPE

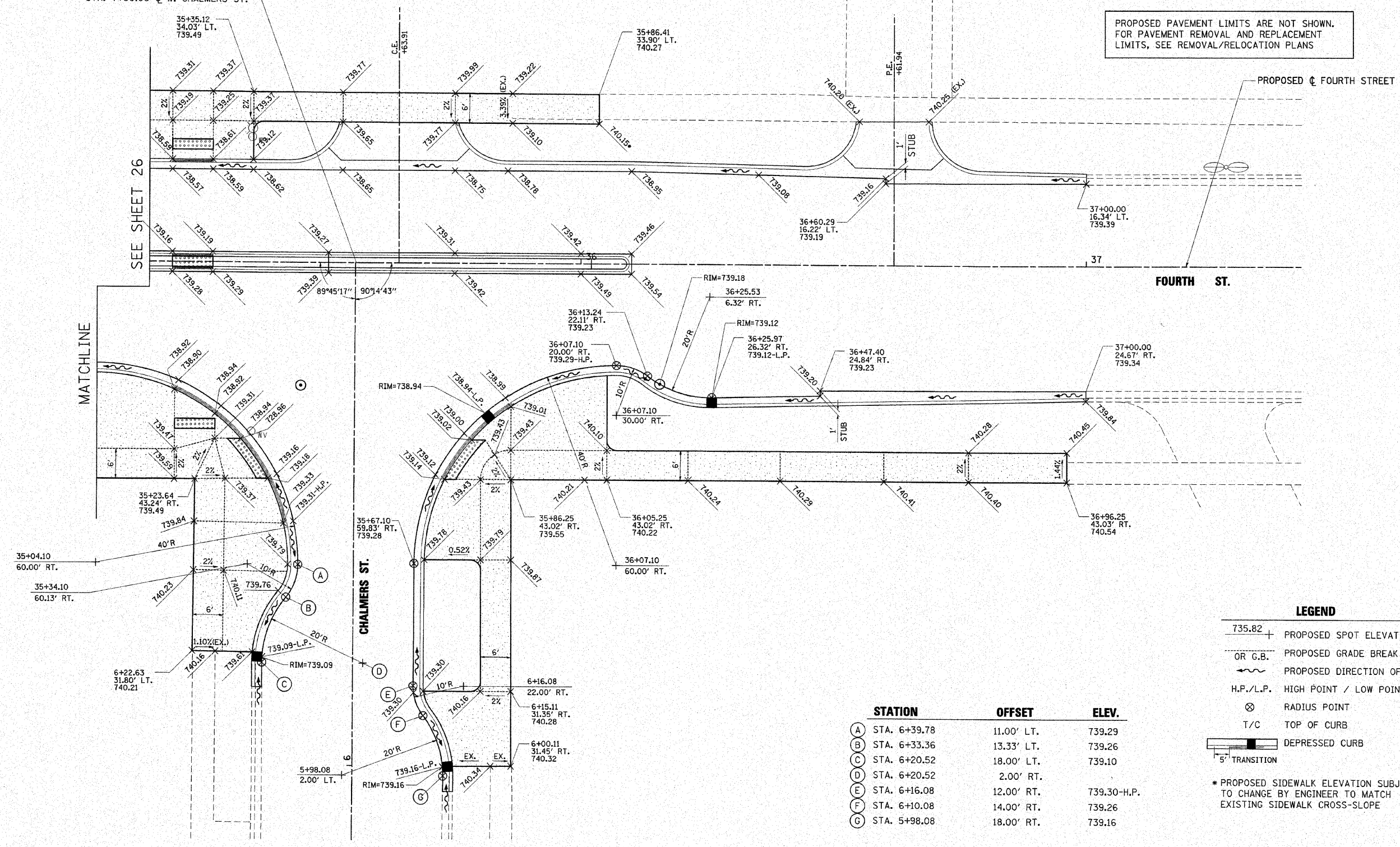
FILE NAME =	USER NAME = Jim Michael	DESIGNED - BMB	 <b>CITY OF CHAMPAIGN</b> DEPARTMENT OF PUBLIC WORKS	F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 26		
IN:\champaign\100940120\draw\cadd\sheet5	Intersection03-Chalmers.dgn	DRAWN - BAH		CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 084-000613	<b>INTERSECTION DETAILS</b> <b>FOURTH STREET IMPROVEMENTS</b> <b>CHAMPAIGN, ILLINOIS</b>				CONTRACT NO. 91445	
	PLOT SCALE = 1/8" = 1' IN.	CHECKED - JMM			SCALE: 1" = 10'    SHEET NO. OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT	
	PLOT DATE = 10/19/2018	DATE = 10/15/2010								





STA. 35+55.49 @ FOURTH ST.  
STA. 7+00.00 @ W. CHALMERS ST.

PROPOSED PAVEMENT LIMITS ARE NOT SHOWN.  
FOR PAVEMENT REMOVAL AND REPLACEMENT  
LIMITS, SEE REMOVAL/RELOCATION PLANS



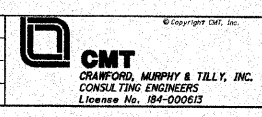
**LEGEND**

- 735.82 + PROPOSED SPOT ELEVATION
- OR G.B. PROPOSED GRADE BREAK
- ~ PROPOSED DIRECTION OF FLOW
- H.P./L.P. HIGH POINT / LOW POINT
- ⊗ RADIUS POINT
- T/C TOP OF CURB
- DEPRESSED CURB
- 5' TRANSITION

\* PROPOSED SIDEWALK ELEVATION SUBJECT TO CHANGE BY ENGINEER TO MATCH EXISTING SIDEWALK CROSS-SLOPE

	STATION	OFFSET	ELEV.
(A)	STA. 6+39.78	11.00' LT.	739.29
(B)	STA. 6+33.36	13.33' LT.	739.26
(C)	STA. 6+20.52	18.00' LT.	739.10
(D)	STA. 6+20.52	2.00' RT.	
(E)	STA. 6+16.08	12.00' RT.	739.30-H.P.
(F)	STA. 6+10.08	14.00' RT.	739.26
(G)	STA. 5+98.08	18.00' RT.	739.16

FILE NAME =	USER NAME = Jim Michael	DESIGNED - BMB
I:\champaign\100940100\draw\cadd\sheet5	Intersection04-Chalmers.dgn	DRAWN - BMB
	PLOT SCALE = 10.0000' / IN.	CHECKED - SAM
	PLOT DATE = 10/15/2010	DATE - 10/15/2010



**CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS**

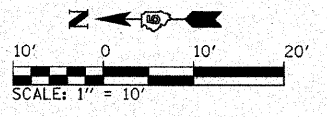
**INTERSECTION DETAILS  
FOURTH STREET IMPROVEMENTS  
CHAMPAIGN, ILLINOIS**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

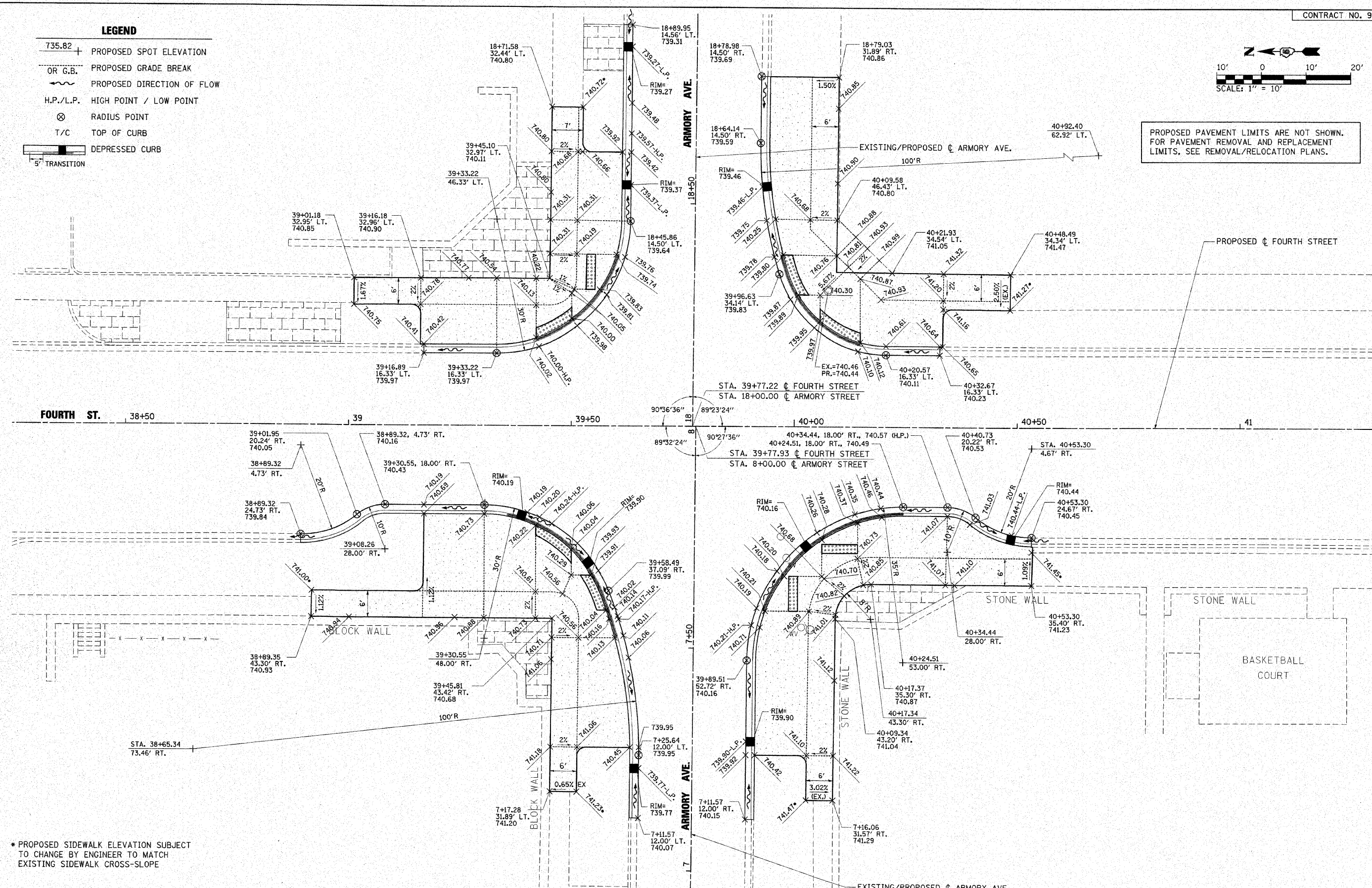
F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 27
				CONTRACT NO. 91445
ILLINOIS FED. AID PROJECT				

**LEGEND**

- 735.82 + PROPOSED SPOT ELEVATION
- OR G.B. PROPOSED GRADE BREAK
- ~ PROPOSED DIRECTION OF FLOW
- H.P./L.P. HIGH POINT / LOW POINT
- ⊗ RADIUS POINT
- T/C TOP OF CURB
- DEPRESSED CURB
- 5' TRANSITION



PROPOSED PAVEMENT LIMITS ARE NOT SHOWN. FOR PAVEMENT REMOVAL AND REPLACEMENT LIMITS, SEE REMOVAL/RELOCATION PLANS.



\* PROPOSED SIDEWALK ELEVATION SUBJECT TO CHANGE BY ENGINEER TO MATCH EXISTING SIDEWALK CROSS-SLOPE

FILE NAME =	USER NAME = Jim Michael	DESIGNED - <b>BMB</b>	<p><b>CITY OF CHAMPAIGN</b> DEPARTMENT OF PUBLIC WORKS</p>	F.A.U. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
3:\champaign\100940109\draw\cadd\sheet5	Intersection05-Armory.dgn	DRAWN - <b>BAH</b>		CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000813	7171	10-00285-00-SP	CHAMPAIGN	55	28
	PLOT SCALE = 10.0000' / IN.	CHECKED - <b>SWM</b>							
	PLOT DATE = 10/18/2010	DATE = 10/15/2010							
SCALE: 1" = 10'				SHEET NO. OF SHEETS		STA. TO STA.		CONTRACT NO. 91445	
								ILLINOIS FED. AID PROJECT	

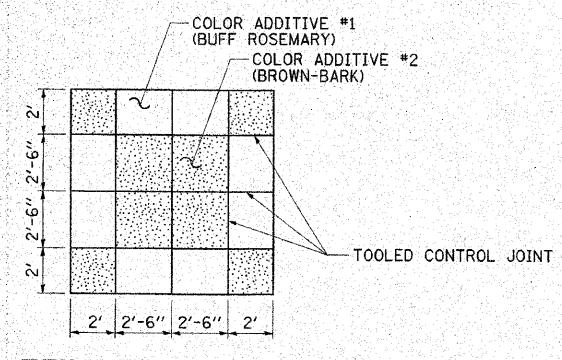
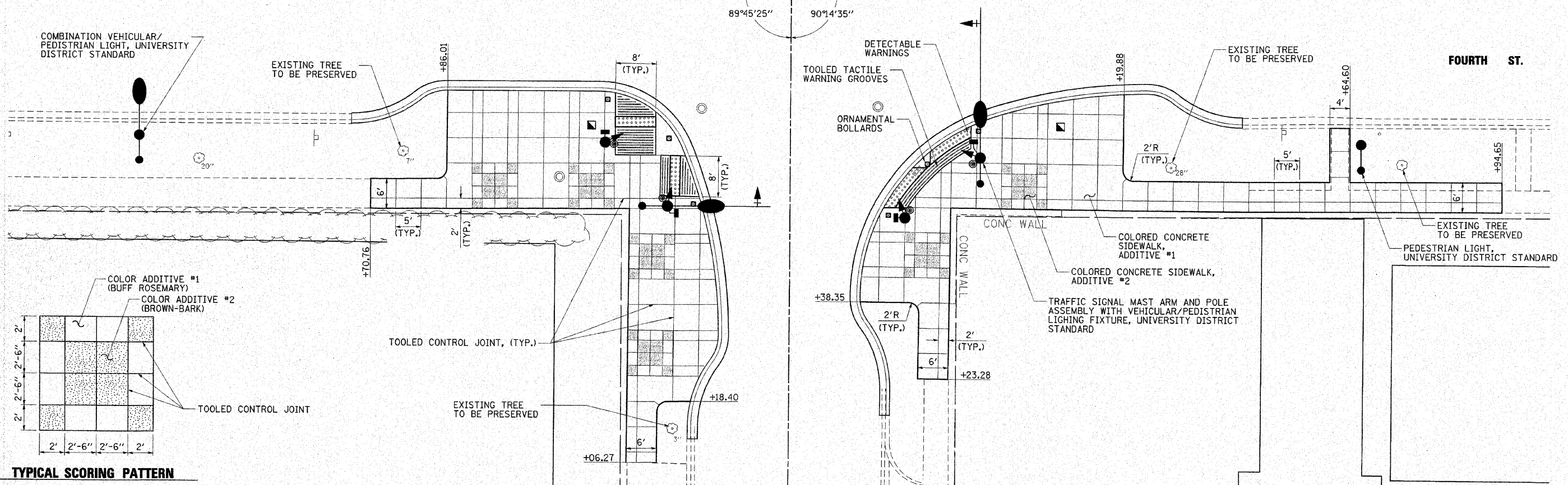
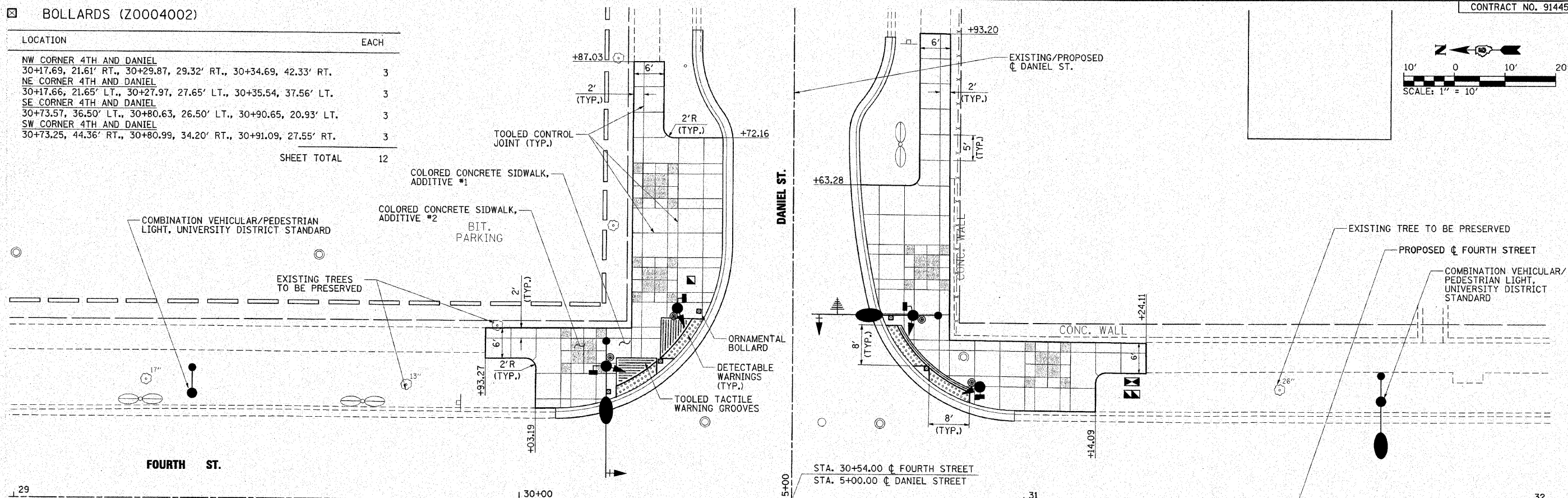
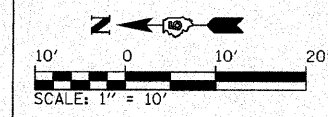




**BOLLARDS (Z0004002)**

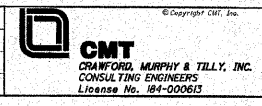
CONTRACT NO. 91445

LOCATION	EACH
NW CORNER 4TH AND DANIEL 30+17.69, 21.61' RT., 30+29.87, 29.32' RT., 30+34.69, 42.33' RT.	3
NE CORNER 4TH AND DANIEL 30+17.66, 21.65' LT., 30+27.97, 27.65' LT., 30+35.54, 37.56' LT.	3
SE CORNER 4TH AND DANIEL 30+73.57, 36.50' LT., 30+80.63, 26.50' LT., 30+90.65, 20.93' LT.	3
SW CORNER 4TH AND DANIEL 30+73.25, 44.36' RT., 30+80.99, 34.20' RT., 30+91.09, 27.55' RT.	3
<b>SHEET TOTAL</b>	<b>12</b>



**TYPICAL SCORING PATTERN**

FILE NAME = I:\champaign\100940100\draw\cadd_sheets	USER NAME = Jim Michael	DESIGNED - JMM
StreetScape02-Daniel.dgn		DRAWN - PAM
PLOT SCALE = 1/8" = 1' / IN.		CHECKED - JMM
PLOT DATE = 10/16/2010		DATE = 10/15/2010

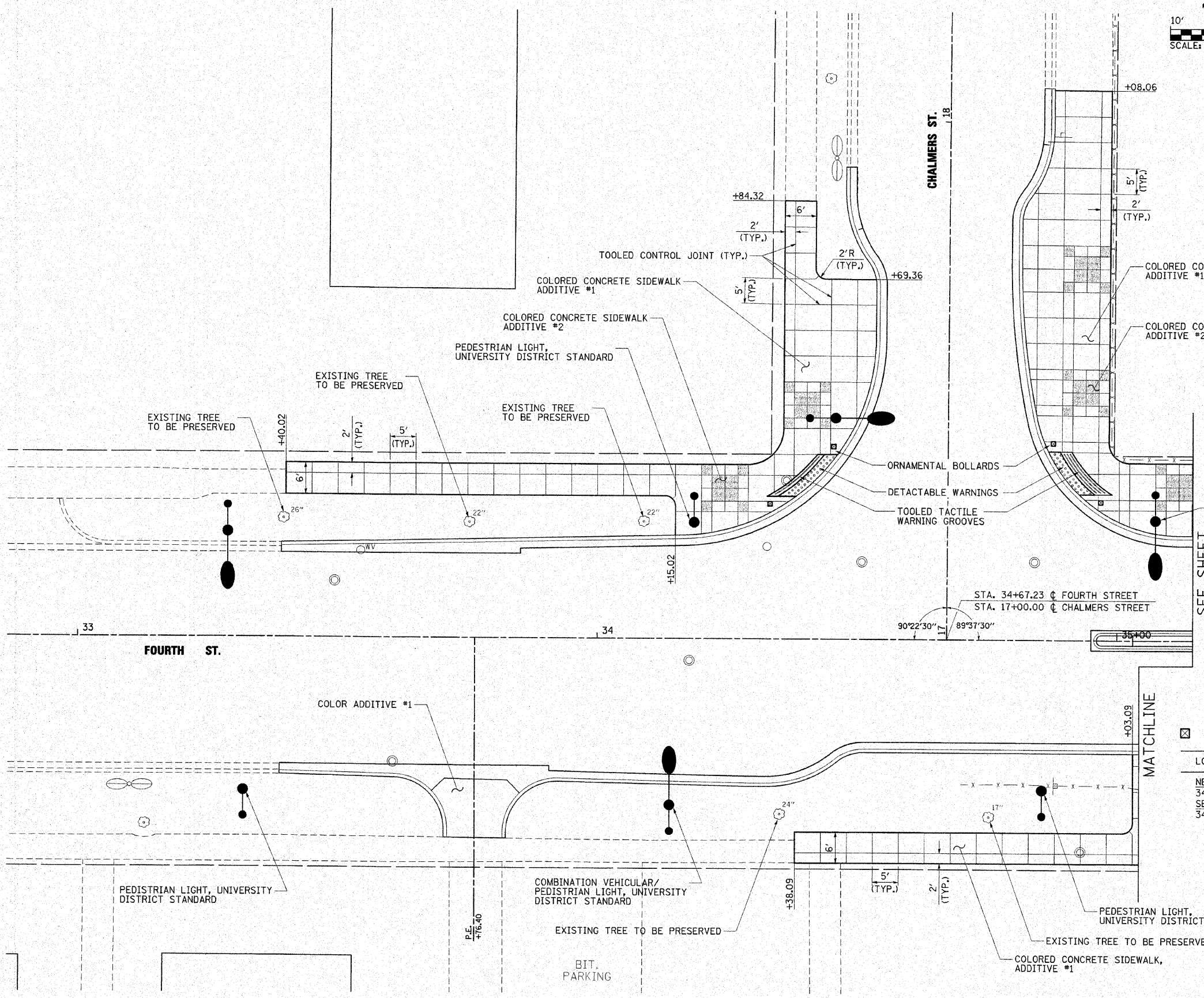
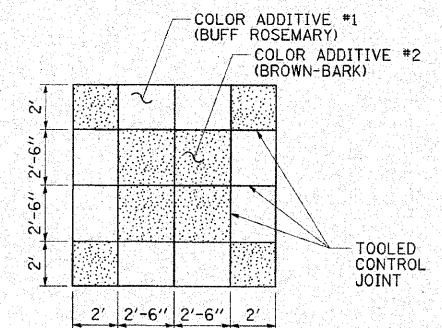
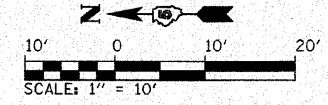


**CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS**

<b>STREETSCAPE DETAILS</b>		F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 30
SCALE: 1" = 10'	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 91445			

<b>ILLINOIS FED. AID PROJECT</b>	
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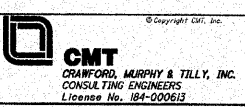




BOLLARDS (Z0004002)

LOCATION	EACH
NE CORNER 4TH AND CHALMERS 34+33.20, 26.04' LT., 34+45.45, 37.02' LT.	2
SE CORNER 4TH AND CHALMERS 34+87.70, 37.83' LT., 34+96.82, 26.69' LT.	2
<b>SHEET TOTAL</b>	<b>4</b>

FILE NAME =	USER NAME = Jim Michael	DESIGNED - JMM
\\champaign\102940100\draw\cadd\sheet3	Streetscape03-Chalmers.dgn	DRAWN - JMM
PLOT SCALE = 10.0000' / IN.		CHECKED - JMM
PLOT DATE = 10/18/2010		DATE - 10/15/2010

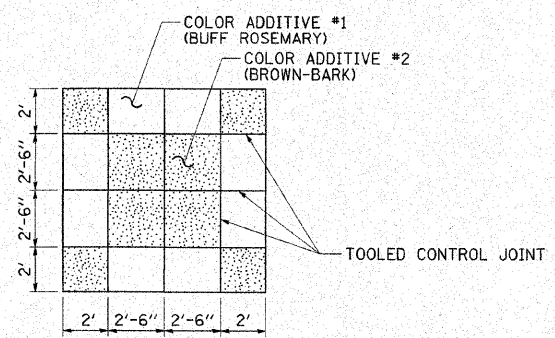
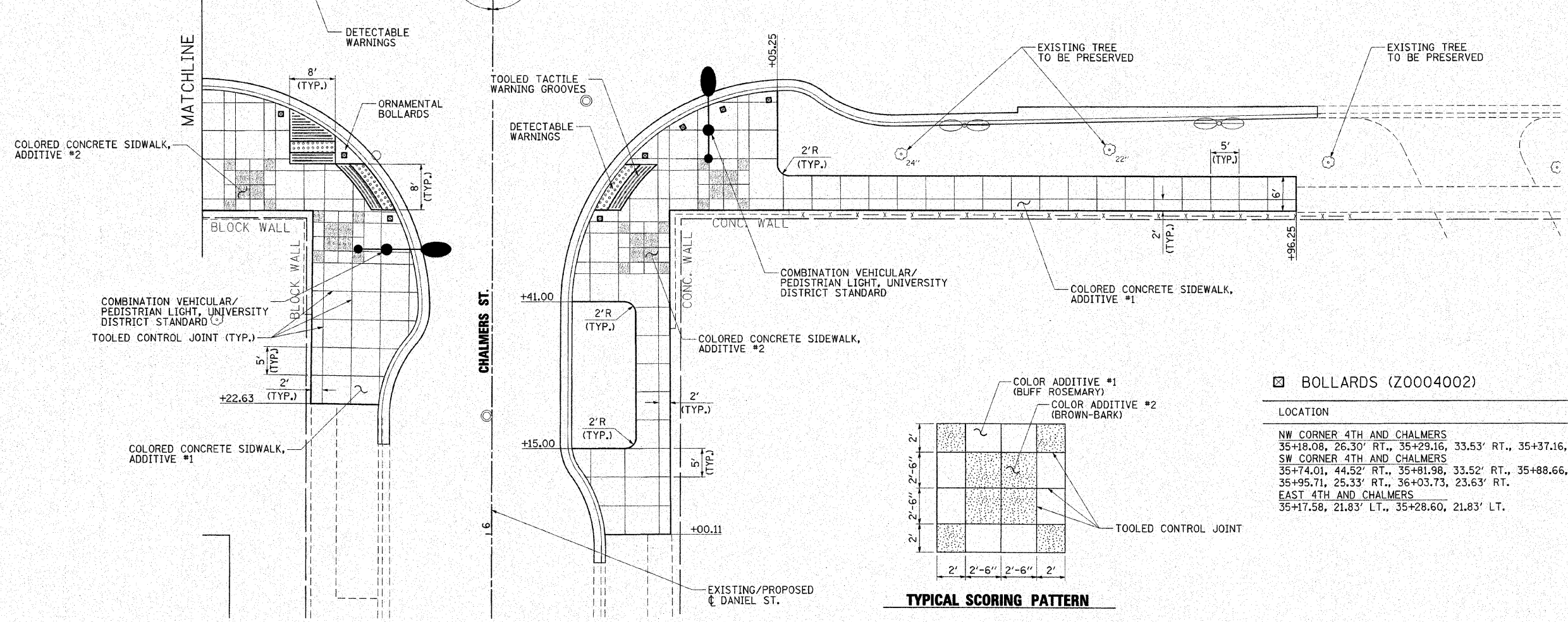
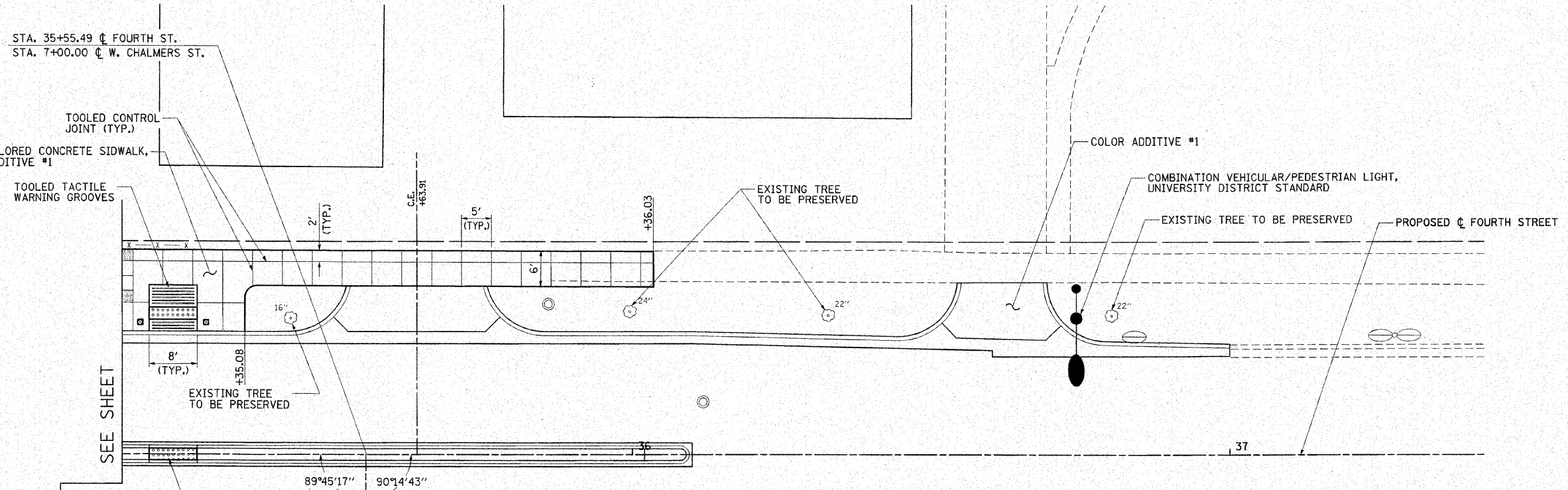
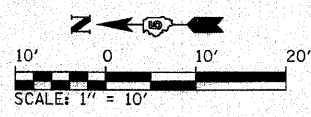


**CITY OF CHAMPAIGN**  
**DEPARTMENT OF PUBLIC WORKS**

**STREETSCAPE DETAILS**  
**FOURTH STREET IMPROVEMENTS**  
**CHAMPAIGN, ILLINOIS**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	31
CONTRACT NO. 91445				
ILLINOIS FED. AID PROJECT				

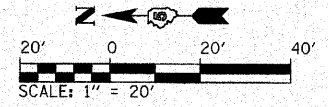


BOLLARDS (Z0004002)

LOCATION	EACH
NW CORNER 4TH AND CHALMERS	
35+18.08, 26.30' RT., 35+29.16, 33.53' RT., 35+37.16, 44.52' RT.	2
SW CORNER 4TH AND CHALMERS	
35+74.01, 44.52' RT., 35+81.98, 33.52' RT., 35+88.66, 28.50' RT.	5
35+95.71, 25.33' RT., 36+03.73, 23.63' RT.	
EAST 4TH AND CHALMERS	
35+17.58, 21.83' LT., 35+28.60, 21.83' LT.	2
<b>SHEET TOTAL</b>	<b>9</b>

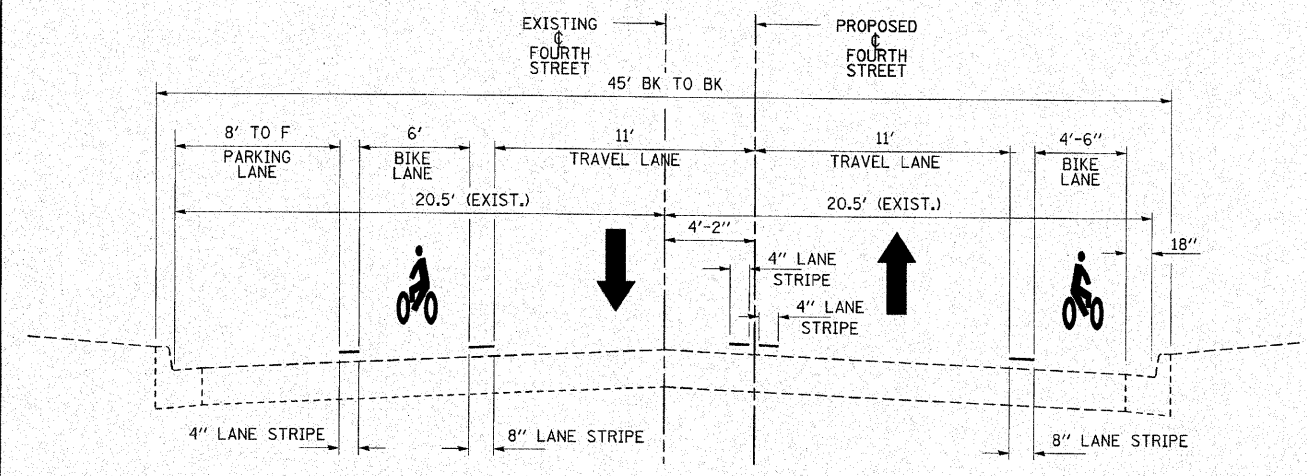




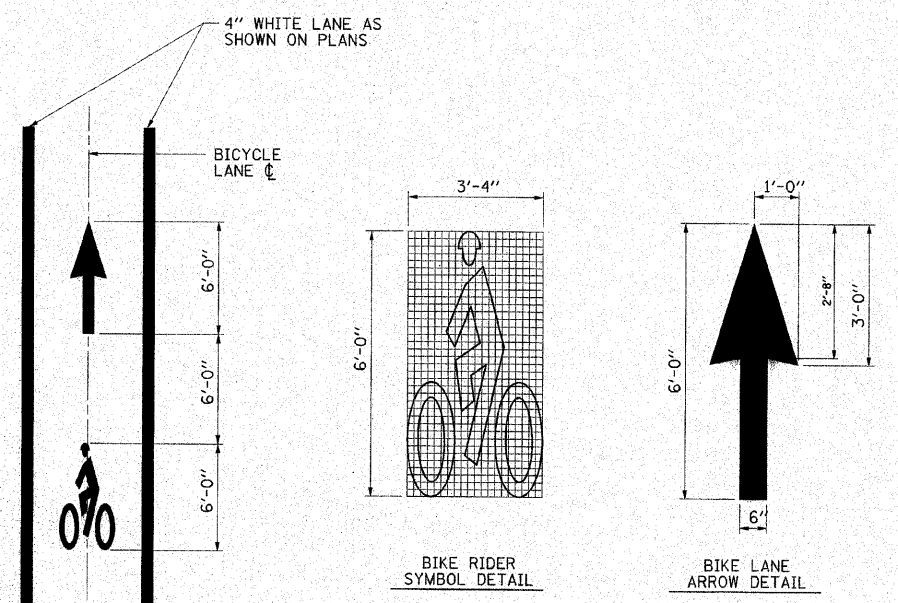


**TYPICAL PAVEMENT MARKING LEGEND**

- 1 4" DOUBLE YELLOW
- 2 4" SOLID WHITE
- 3 12" DIAGONAL (WHITE)
- 4 24" STOP BAR (WHITE)
- 5 4" LANE LINE EXTENSIONS (WHITE)  
(2' DASH & 4' SKIP)
- 6 4" PARKING (WHITE)
- 7 8" SOLID WHITE
- 8 8" LANE LINE EXTENSIONS (WHITE)  
(2' DASH & 4' SKIP)
- 9 12" DIAGONAL (YELLOW)  
20° C-C @ 45°

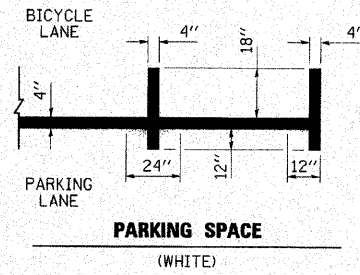


**TYPICAL SECTION - FOURTH STREET**  
(LOOKING NORTH)

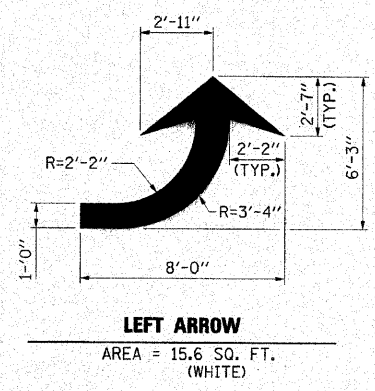


NOTE: BIKE LANE SYMBOL SHALL CONSIST OF BIKE RIDER SYMBOL AND BIKE LANE ARROW AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR BICYCLE LANE MARKING.

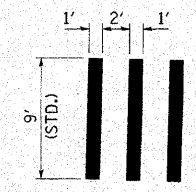
**BIKE LANE SYMBOLS**  
(POLYUREA, WHITE)



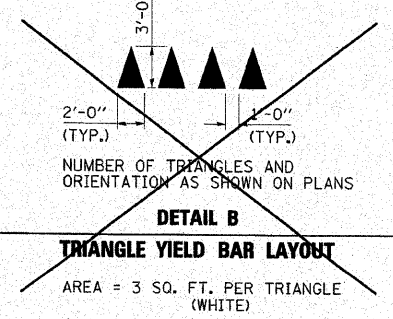
**PARKING SPACE**  
(WHITE)



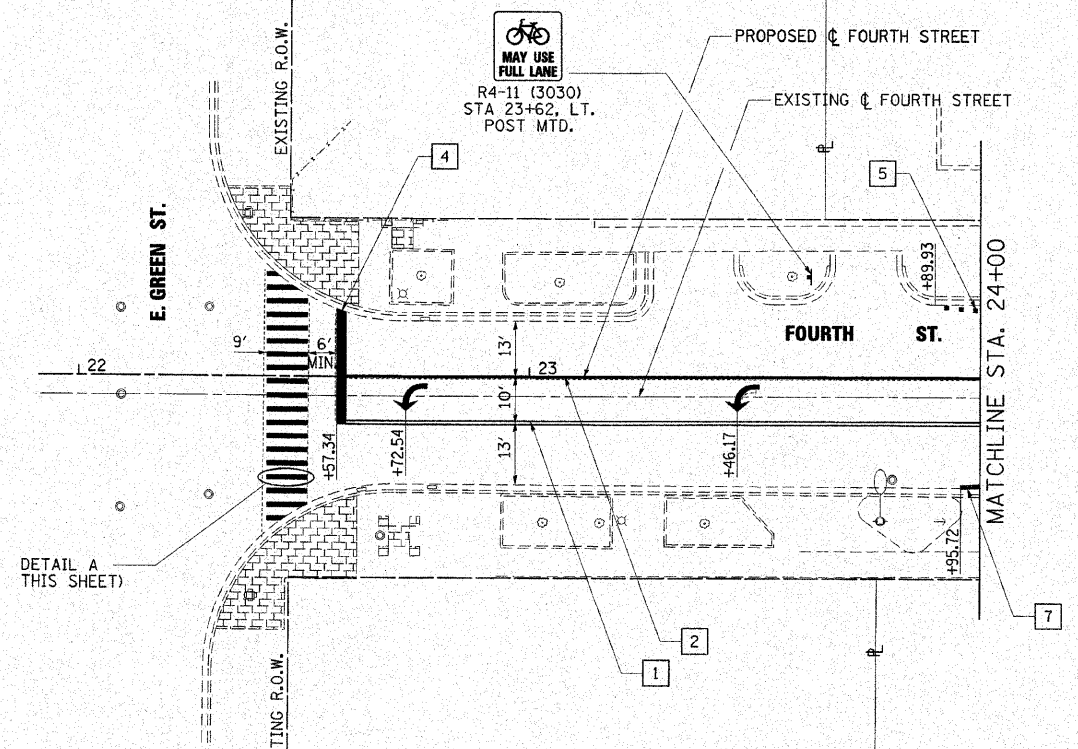
**LEFT ARROW**  
AREA = 15.6 SQ. FT.  
(WHITE)



**DETAIL A**  
**CROSS WALK PAVEMENT MARKING**  
(CUJATS STANDARD)



**DETAIL B**  
**TRIANGLE YIELD BAR LAYOUT**  
AREA = 3 SQ. FT. PER TRIANGLE  
(WHITE)



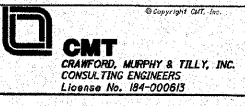
GEOVANTIS  
401 E. GREEN ST.

AT&T-ILLINOIS  
708 S. FOURTH

LARSON CO.  
313 E. GREEN ST.

ALPHA DELTA PHI FRATERNITY  
310 E. JOHN

FILE NAME =	USER NAME = Jim Michael	DESIGNED - JMM/MSD
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	PLOT DATE = 10/18/2010	DATE - 10/15/2010

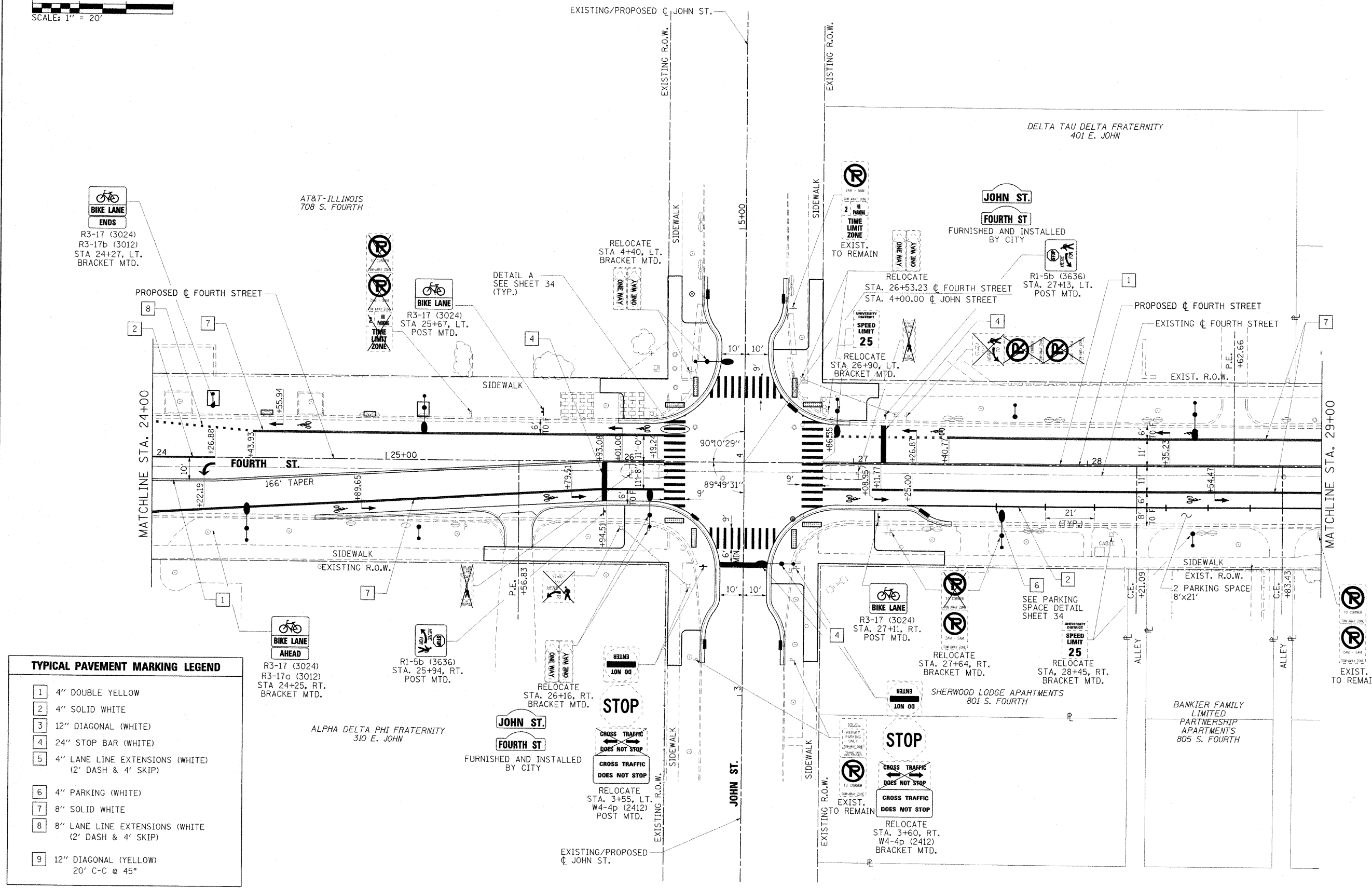
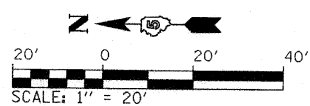


**CITY OF CHAMPAIGN**  
**DEPARTMENT OF PUBLIC WORKS**

<b>PAVEMENT MARKING AND SIGNING PLAN</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FOURTH STREET IMPROVEMENTS		7171	10-00285-00-SP	CHAMPAIGN	55	34
CHAMPAIGN, ILLINOIS		SCALE: 1" = 20'		SHEET NO. OF SHEETS STA. 22+00 TO STA. 24+00		CONTRACT NO. 91445

ILLINOIS FED. AID PROJECT	
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**TYPICAL PAVEMENT MARKING LEGEND**

1	4" DOUBLE YELLOW
2	4" SOLID WHITE
3	12" DIAGONAL (WHITE)
4	24" STOP BAR (WHITE)
5	4" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
6	4" PARKING (WHITE)
7	8" SOLID WHITE
8	8" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
9	12" DIAGONAL (YELLOW) 20' C-C @ 45°

FILE NAME = \\champaign\180948180\draw\cadd\sheet5  
 USER NAME = Jim Michael  
 PLOT SCALE = 20,0000 / IN.  
 PLOT DATE = 10/18/2010

DESIGNED - JMM/JMS  
 DRAWN - RAB  
 CHECKED - JMM  
 DATE - 10/15/2010

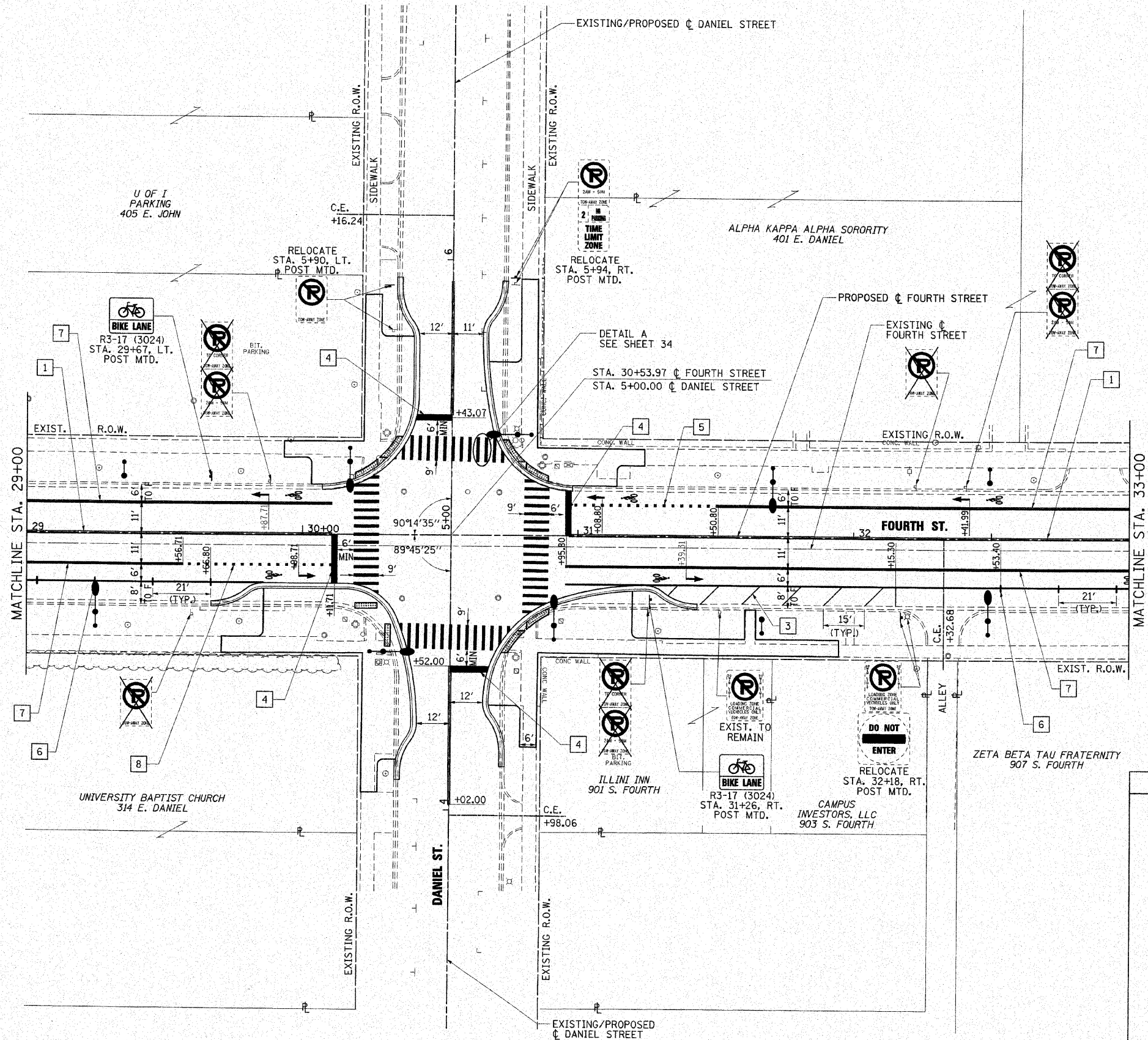
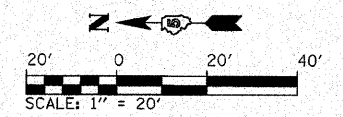


**CITY OF CHAMPAIGN  
 DEPARTMENT OF PUBLIC WORKS**

**PAVEMENT MARKING AND SIGNING PLAN  
 FOURTH STREET IMPROVEMENTS  
 CHAMPAIGN, ILLINOIS**

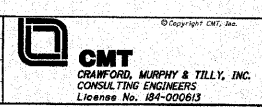
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 24+00 TO STA. 29+00

F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 35
CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	



TYPICAL PAVEMENT MARKING LEGEND	
1	4" DOUBLE YELLOW
2	4" SOLID WHITE
3	12" DIAGONAL (WHITE)
4	24" STOP BAR (WHITE)
5	4" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
6	4" PARKING (WHITE)
7	8" SOLID WHITE
8	8" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
9	12" DIAGONAL (YELLOW) 20' C-C @ 45°

FILE NAME =	USER NAME = Jim Michael	DESIGNED - JMM/PLD
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		CHECKED - JMM
		DATE - 10/15/2010



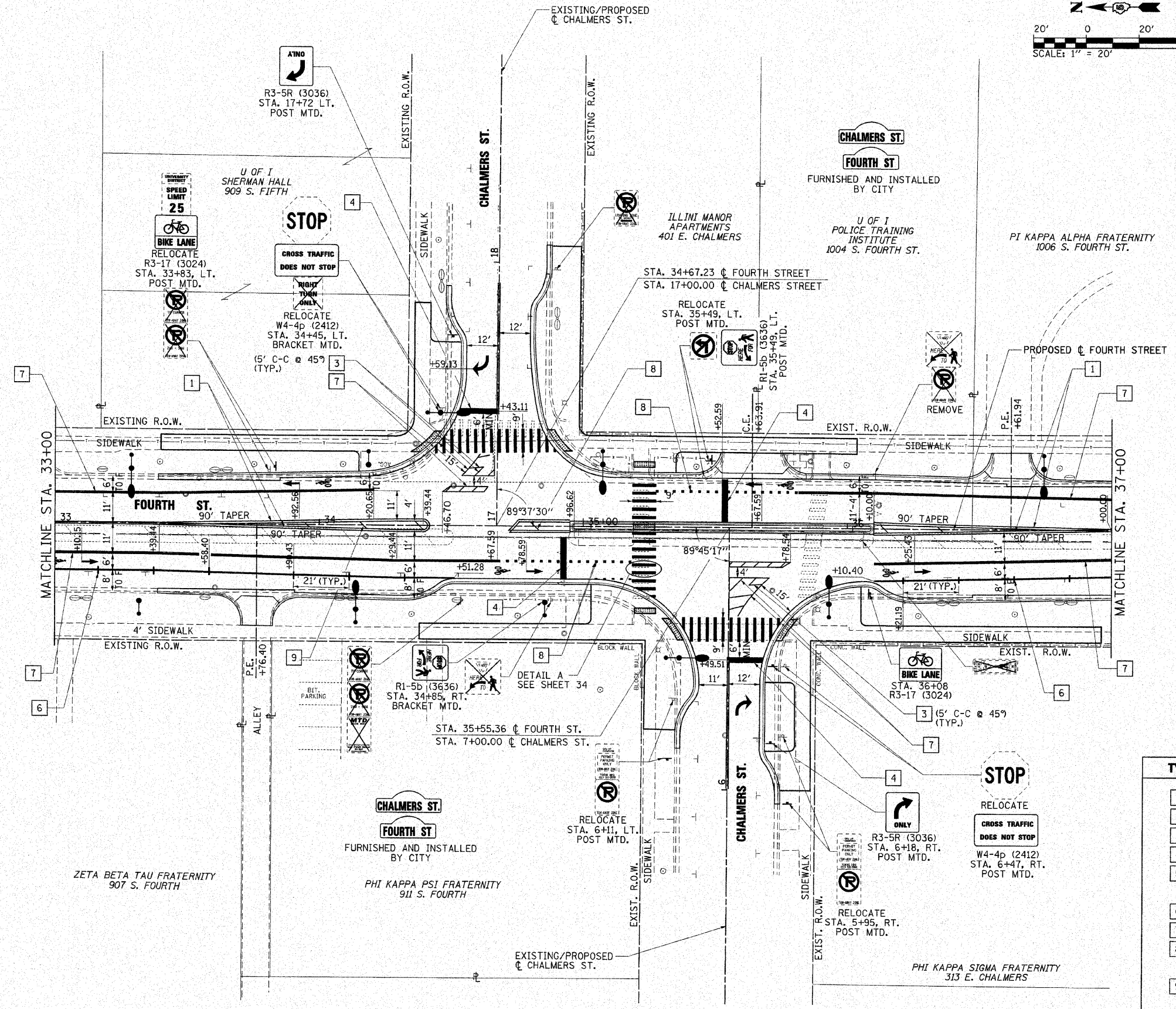
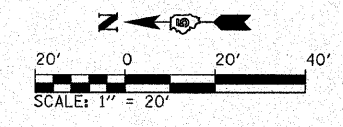
**CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS**

**PAVEMENT MARKING AND SIGNING PLAN  
FOURTH STREET IMPROVEMENTS  
CHAMPAIGN, ILLINOIS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 24+00 TO STA. 29+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	36
CONTRACT NO. 91445				
ILLINOIS FED. AID PROJECT				





**TYPICAL PAVEMENT MARKING LEGEND**

1	4" DOUBLE YELLOW
2	4" SOLID WHITE
3	12" DIAGONAL (WHITE)
4	24" STOP BAR (WHITE)
5	4" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
6	4" PARKING (WHITE)
7	8" SOLID WHITE
8	8" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
9	12" DIAGONAL (YELLOW) 20' C-C @ 45°

FILE NAME =	USER NAME = Jim Michael	DESIGNED - JMM/MSD
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	PLOT DATE = 10/16/2010	DATE = 10/15/2010

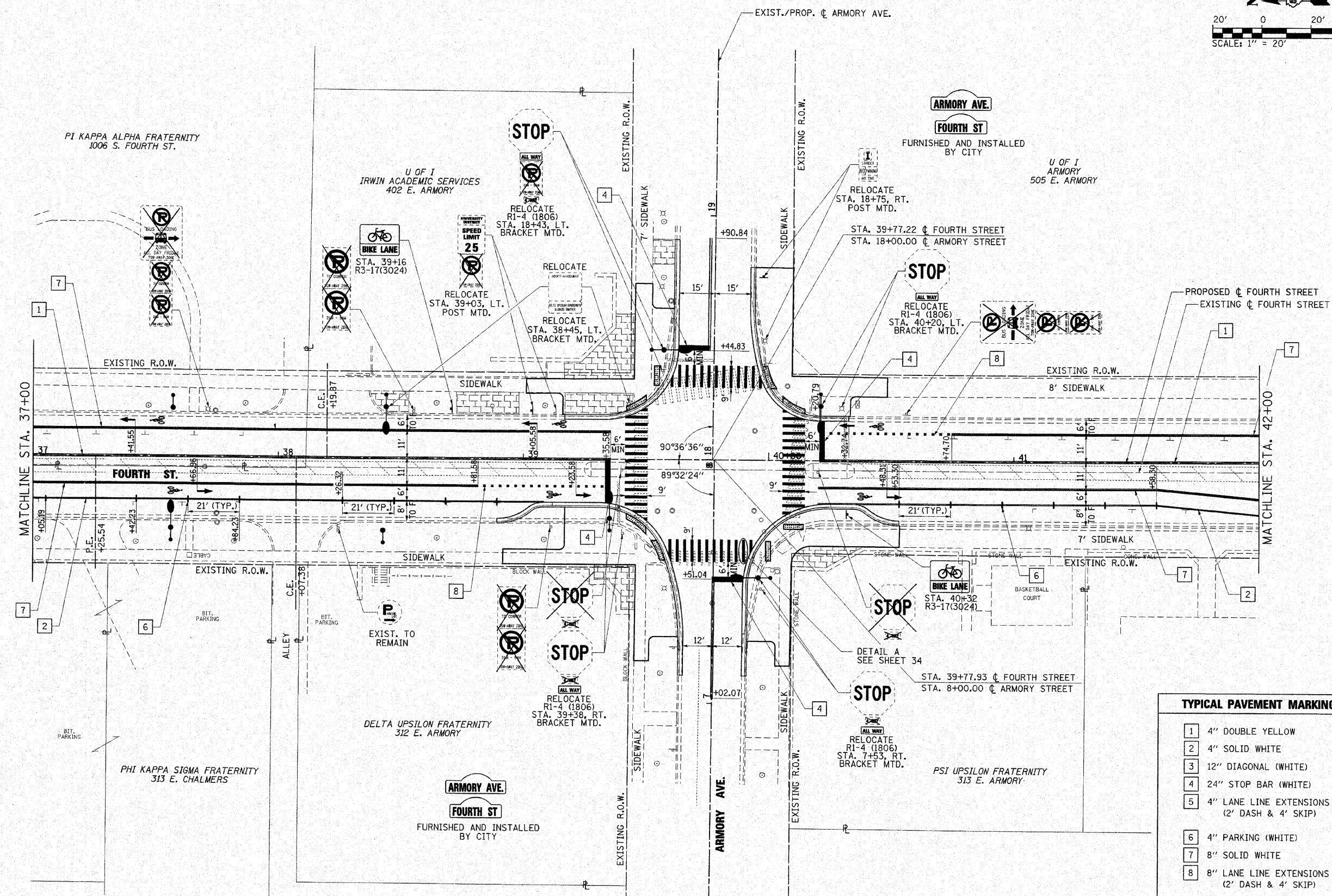
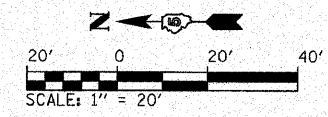
**CMT**  
CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS  
License No. 184-000813

**CITY OF CHAMPAIGN**  
DEPARTMENT OF PUBLIC WORKS

**PAVEMENT MARKING AND SIGNING PLAN**  
**FOURTH STREET IMPROVEMENTS**  
**CHAMPAIGN, ILLINOIS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 33+00 TO STA. 37+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	37
CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	



**TYPICAL PAVEMENT MARKING LEGEND**

1	4" DOUBLE YELLOW
2	4" SOLID WHITE
3	12" DIAGONAL (WHITE)
4	24" STOP BAR (WHITE)
5	4" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
6	4" PARKING (WHITE)
7	8" SOLID WHITE
8	8" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
9	12" DIAGONAL (YELLOW) 20' C-C @ 45°

FILE NAME =  
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USER NAME = Jim Michael  
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 PLOT SCALE = 20.0000' / IN.  
 PLOT DATE = 10/18/2010

DESIGNED - JMM/MSD  
 DRAWN - RHT  
 CHECKED - JMM  
 DATE - 10/15/2010

**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 184-00083

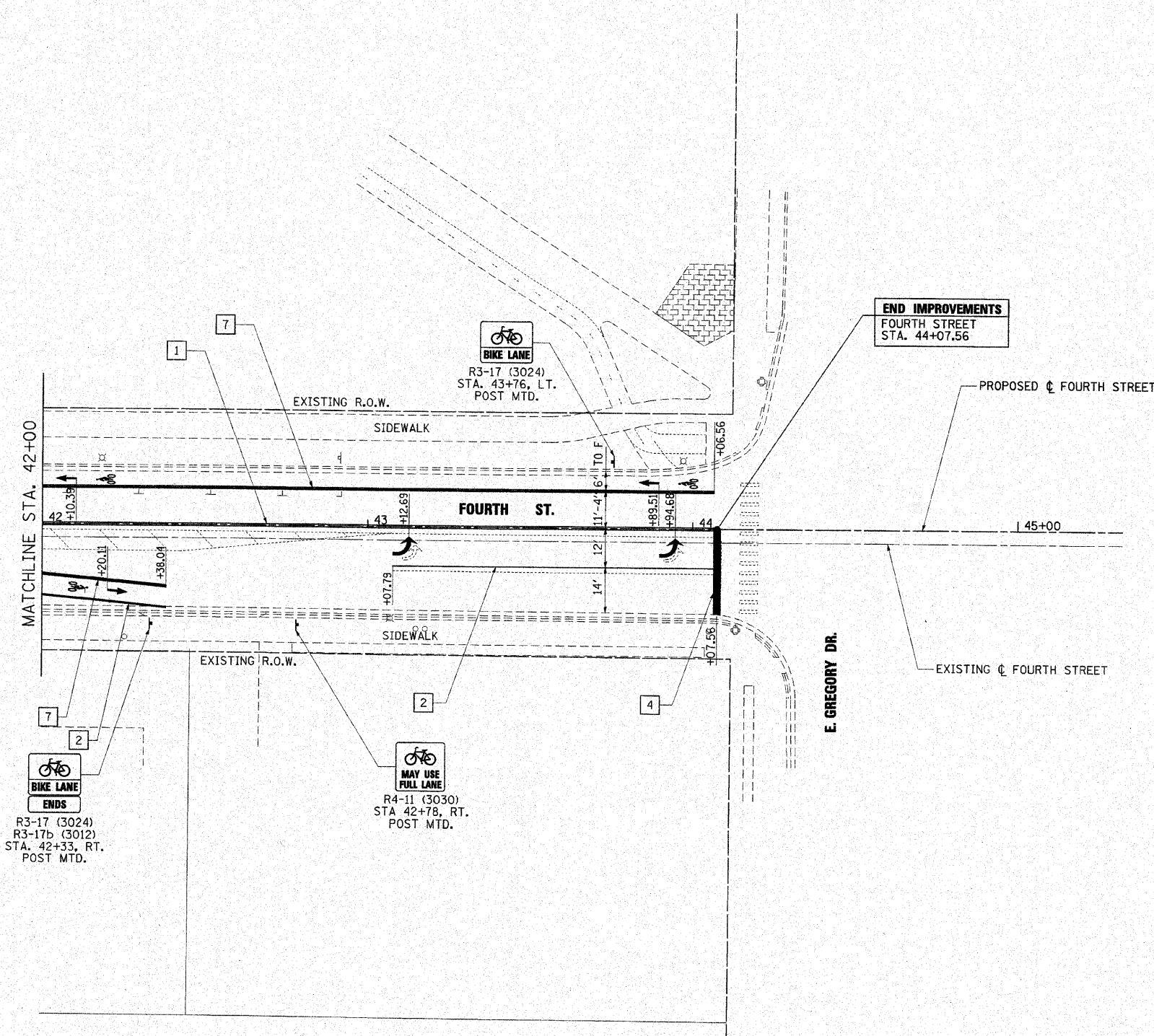
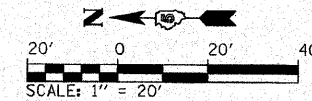
**CITY OF CHAMPAIGN**  
**DEPARTMENT OF PUBLIC WORKS**

**PAVEMENT MARKING AND SIGNING PLAN**  
**FOURTH STREET IMPROVEMENTS**  
**CHAMPAIGN, ILLINOIS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 37+00 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	38
CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	





TYPICAL PAVEMENT MARKING LEGEND	
1	4" DOUBLE YELLOW
2	4" SOLID WHITE
3	12" DIAGONAL (WHITE)
4	24" STOP BAR (WHITE)
5	4" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
6	4" PARKING (WHITE)
7	8" SOLID WHITE
8	8" LANE LINE EXTENSIONS (WHITE) (2' DASH & 4' SKIP)
9	12" DIAGONAL (YELLOW) 20' C-C @ 45°

FILE NAME =	USER NAME = Jim Michael	DESIGNED - JMM/MSD	<b>CITY OF CHAMPAIGN DEPARTMENT OF PUBLIC WORKS</b>	<b>PAVEMENT MARKING AND SIGNING PLAN FOURTH STREET IMPROVEMENTS CHAMPAIGN, ILLINOIS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
i:\champaign\100940100\draw\cadd\shests	PavementMarking-06.Gregory.dgn	DRAWN - RAH					7171	10-00285-00-SP	CHAMPAIGN	55	39
	PLOT SCALE = 28.0000" / IN.	CHECKED - JMM		SCALE: 1" = 20'			SHEET NO. OF SHEETS STA. 42+00 TO STA. 45+00			CONTRACT NO. 91445	
	PLOT DATE = 10/15/2010	DATE = 10/15/2010					ILLINOIS FED. AID PROJECT				

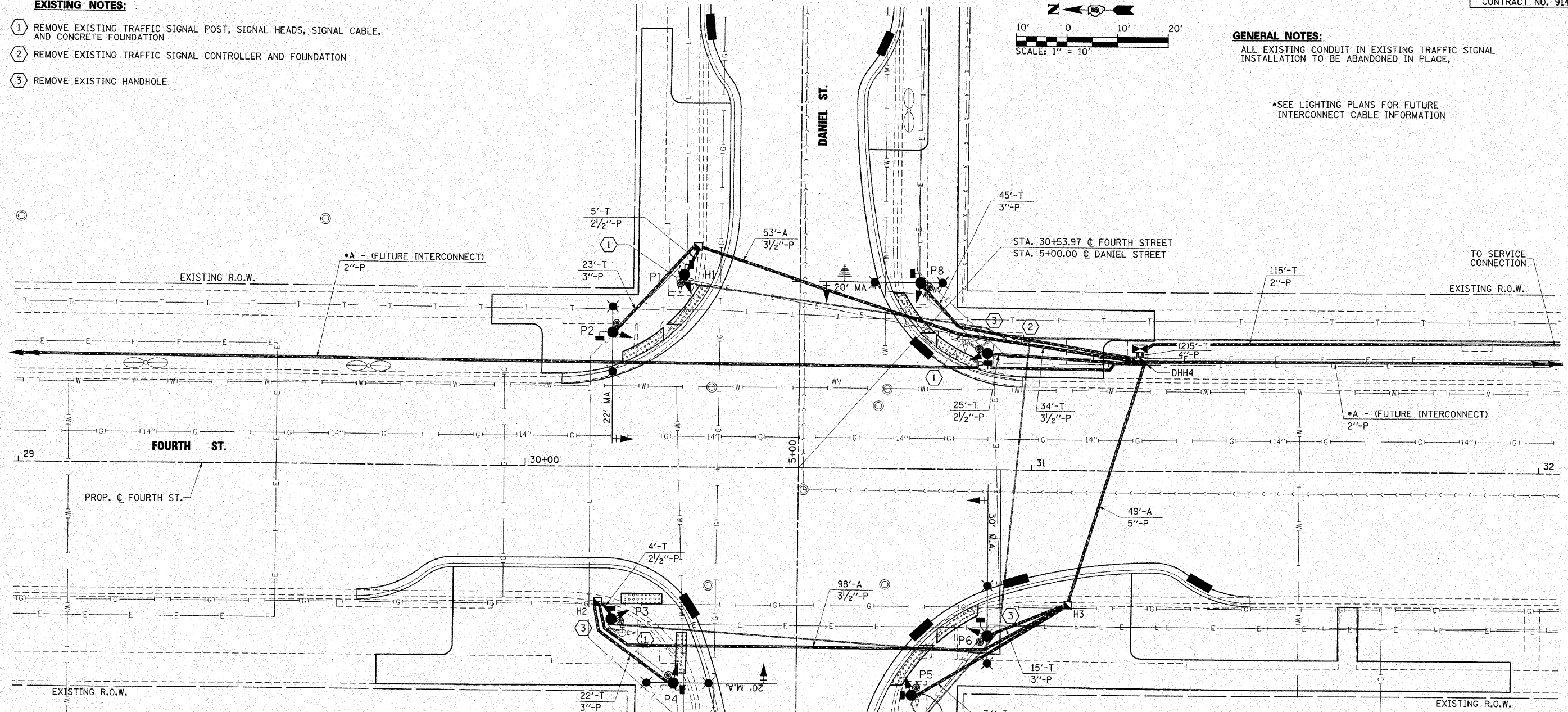
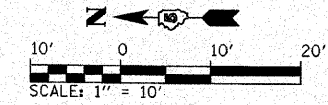
**EXISTING NOTES:**

- 1 REMOVE EXISTING TRAFFIC SIGNAL POST, SIGNAL HEADS, SIGNAL CABLE, AND CONCRETE FOUNDATION
- 2 REMOVE EXISTING TRAFFIC SIGNAL CONTROLLER AND FOUNDATION
- 3 REMOVE EXISTING HANDHOLE

**GENERAL NOTES:**

ALL EXISTING CONDUIT IN EXISTING TRAFFIC SIGNAL INSTALLATION TO BE ABANDONED IN PLACE.

\*SEE LIGHTING PLANS FOR FUTURE INTERCONNECT CABLE INFORMATION



**TRAFFIC SIGNAL LEGEND**

- SIGNAL POST
- ▶ SIGNAL HEAD
- ▶+ SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- ⊙ PEDESTRIAN PUSH-BUTTON POST
- ⊙ G.P.S. PREEMPTION ANTENNA
- ⊙ VEHICLE DETECTION CAMERA
- COMPOSITE CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE

● 24' M.A. COMBINATION MAST ARM W/ARM LENGTH AND 8' MAST ARM FOR LUMINAIRE

— PROPOSED CONDUIT  
 LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING)  
 SIZE - TYPE (S=STEEL P=PVC F=FIBER DUCT U=UNI-DUCT)

**PROPOSED HANDHOLE DATA**

NO.	STATION	OFFSET	DESCRIPTION
H1	5+43.72	20.20' LT.	COMPOSITE CONC.
H2	30+14.51	26.76' RT.	COMPOSITE CONC.
H3	31+07.51	26.61' RT.	COMPOSITE CONC.
DHH4	31+21.27	21.77' LT.	DOUBLE HANDHOLE, PCC

**POST AND MAST ARM DATA**

NO.	STATION	OFFSET	DESCRIPTION	FOUNDATION
P1	5+38.08	27.85' LT	TRAFFIC SIGNAL POST, 14'	A
P2	30+17.21	26.63' LT	STEEL COMB. MAA&P, 22'	E-30" DIA. 15'
P3	30+17.21	30.12 RT	TRAFFIC SIGNAL POST, 14'	A
P4	4+57.16	24.26' LT	STEEL COMB. MAA&P, 20'	E-30" DIA. 15'
P5	4+55.23	22.74' RT	TRAFFIC SIGNAL POST, 14'	A
P6	30+91.56	32.98' RT	STEEL COMB. MAA&P, 30'	E-30" DIA. 15'
P7	30+91.20	22.99' LT	TRAFFIC SIGNAL POST, 14'	A
P8	5+37.09	23.78' RT	STEEL COMB. MAA&P, 20'	E-30" DIA. 15'
C9	31+21.27	24.20' LT	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SP.	D

FILE NAME =	USER NAME = Jm Michael	DESIGNED - RMM
\\champaign\100940100\draw\cadd\sheet	Traffic_Signs\01-Layout.dgn	DRAWN - RAH
PLOT SCALE = 1/8" = 1' IN.		CHECKED - JMM
PLOT DATE = 10/16/2010		DATE - 10/15/2010



**CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS**

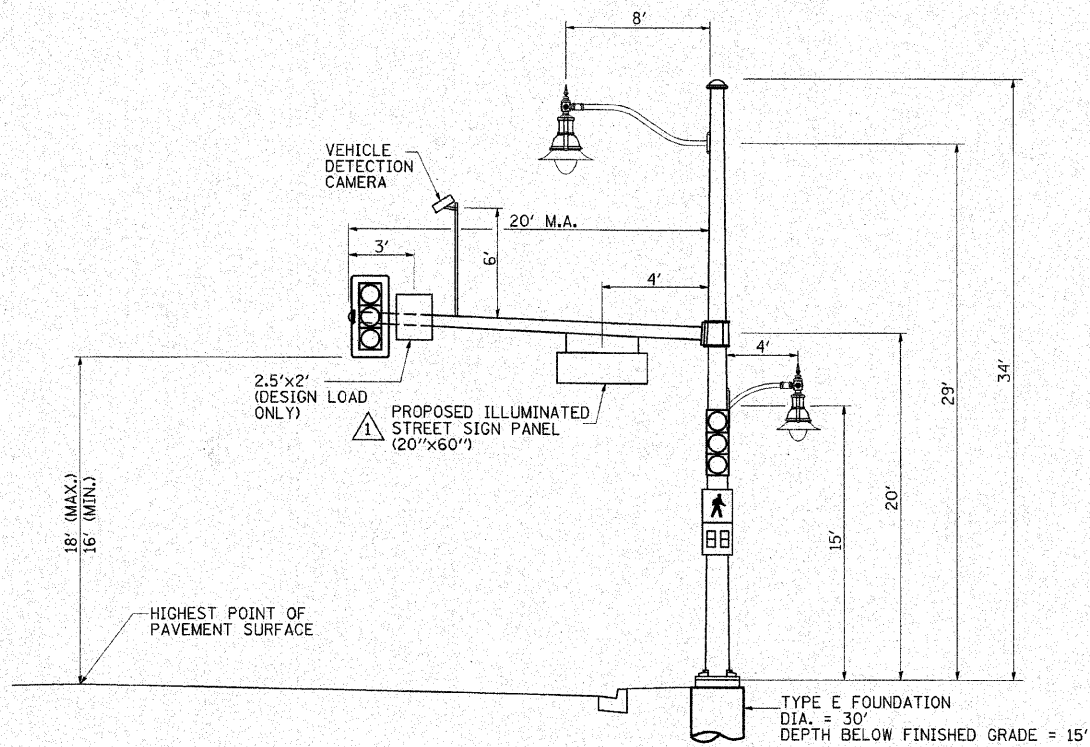
**TRAFFIC SIGNAL LAYOUT - FOURTH ST. & DANIEL ST.  
FOURTH STREET IMPROVEMENT  
CHAMPAIGN, ILLINOIS**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

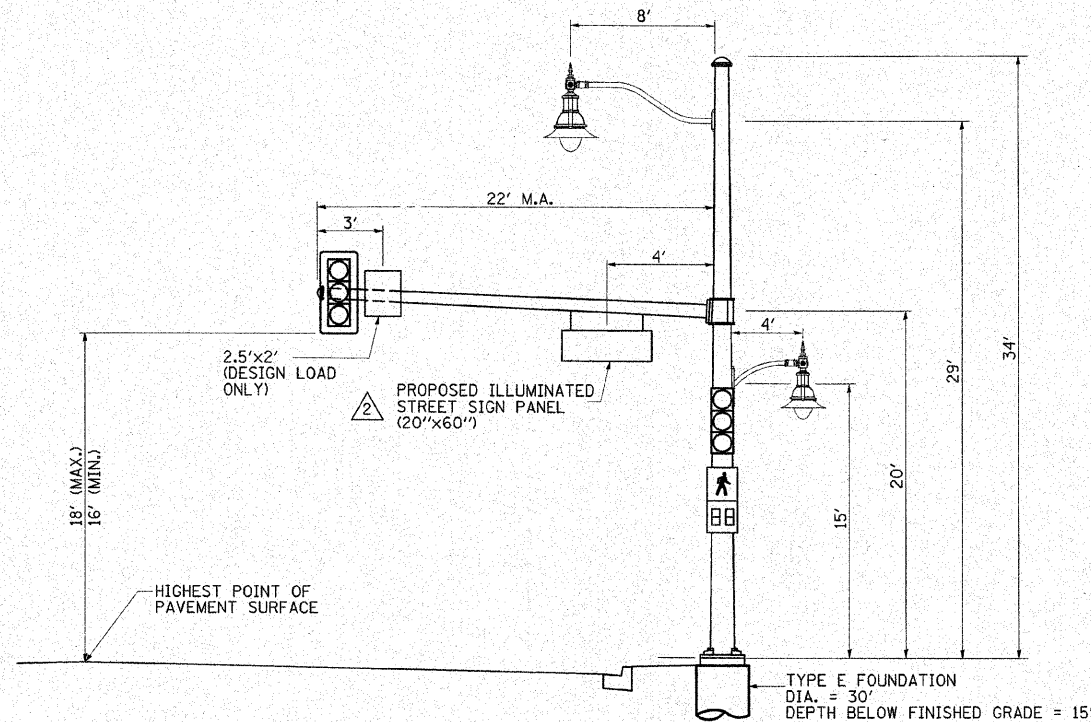
F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 40
ILLINOIS FED. AID PROJECT			CONTRACT NO. 91445	



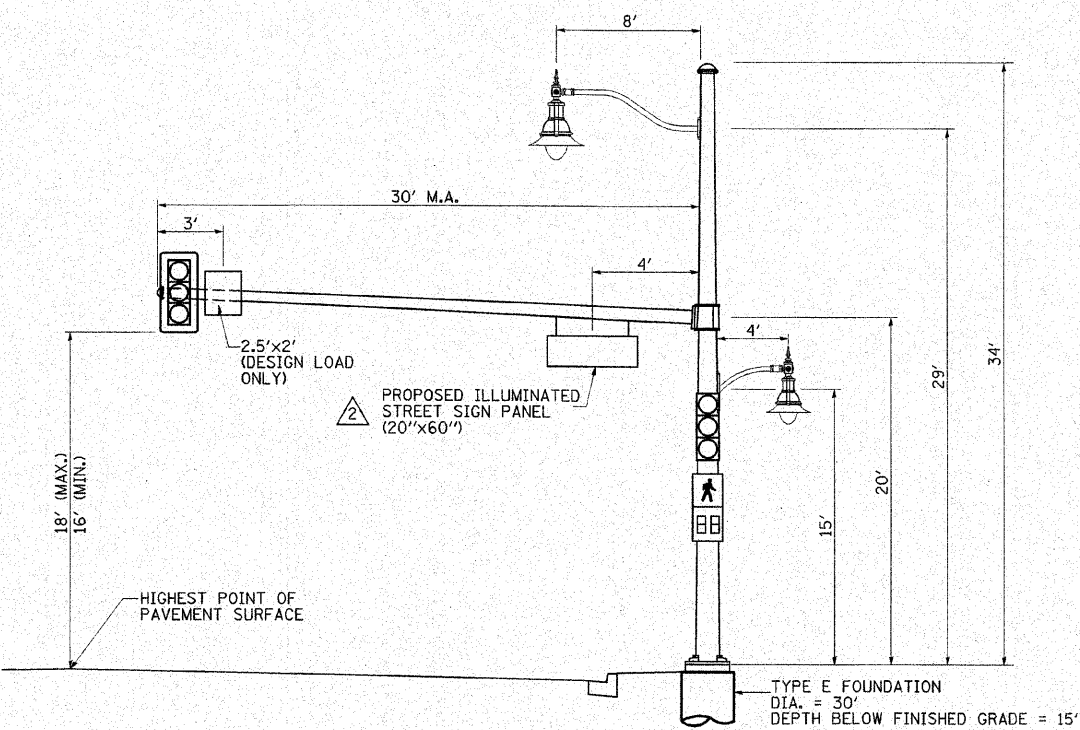




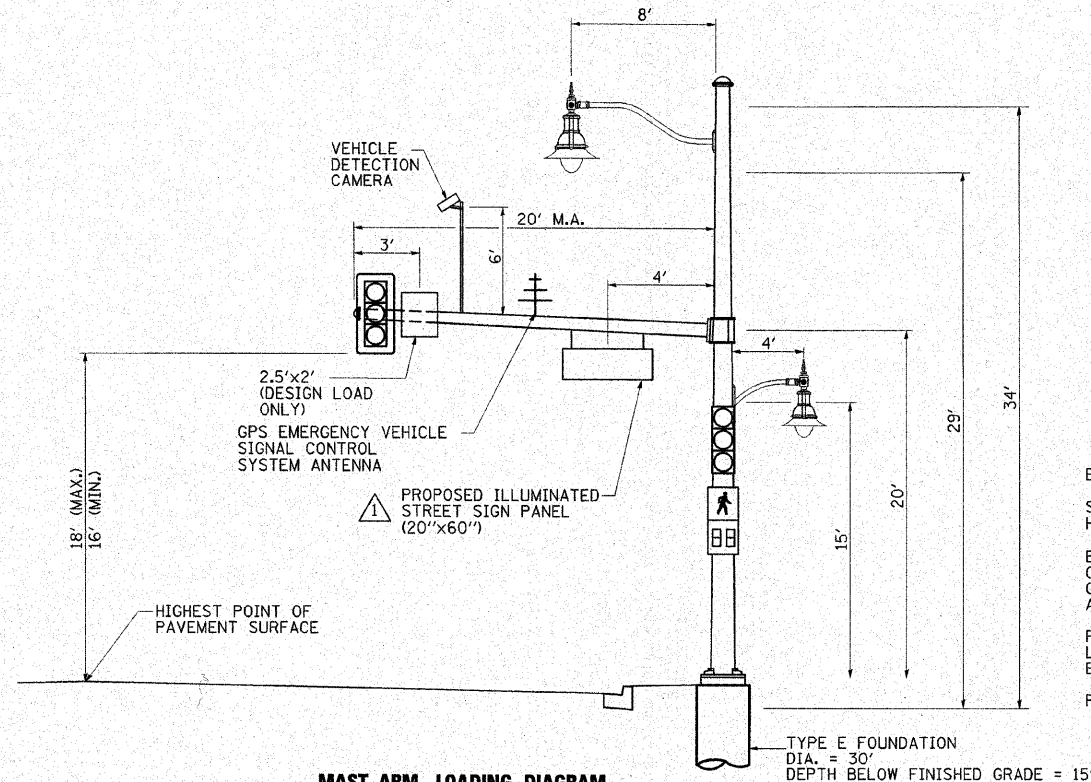
**MAST ARM LOADING DIAGRAM**  
FOURTH STREET & DANIEL STREET  
NORTHWEST QUADRANT



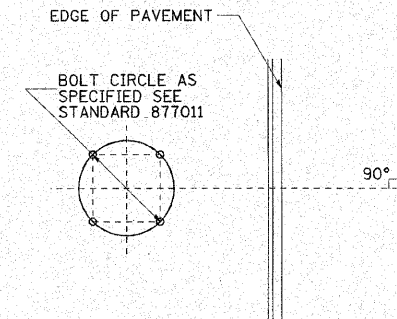
**MAST ARM LOADING DIAGRAM**  
FOURTH STREET & DANIEL STREET  
NORTHEAST QUADRANT



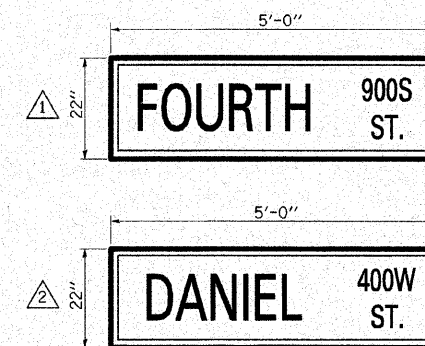
**MAST ARM LOADING DIAGRAM**  
FOURTH STREET & DANIEL STREET  
SOUTHWEST QUADRANT



**MAST ARM LOADING DIAGRAM**  
FOURTH STREET & DANIEL STREET  
SOUTHEAST QUADRANT



**MAST ARM FOUNDATION BOLT PATTERN DETAIL**  
ORIENTATION OF ANCHOR BOLT  
TO BE FIELD VERIFIED



1-WAY LED INTERNALLY ILLUMINATED  
SLIM STREET NAME SIGN  
MAST ARM MOUNTED

**INTERNALLY ILLUMINATED SIGN PANE DETAILS**

EXTERIOR HOUSING SHALL BE SEMI-GLOSS BLACK ENAMEL.

SIGN SHALL BE SUPPORTED BY TWO PELCO TRI-STUD HANGER BODY (\*SE-5028) BRACKETS (INCLUDED IN COST).

BLANK SIGN FACES SHALL BE SUPPLIED TO THE CITY OF CHAMPAIGN DEPARTMENT OF PUBLIC WORKS BY THE CONTRACTOR. THE CITY WILL CONSTRUCT THE GRAPHIC AND THE CONTRACTOR WILL INSTALL THE ENTIRE ASSEMBLY.

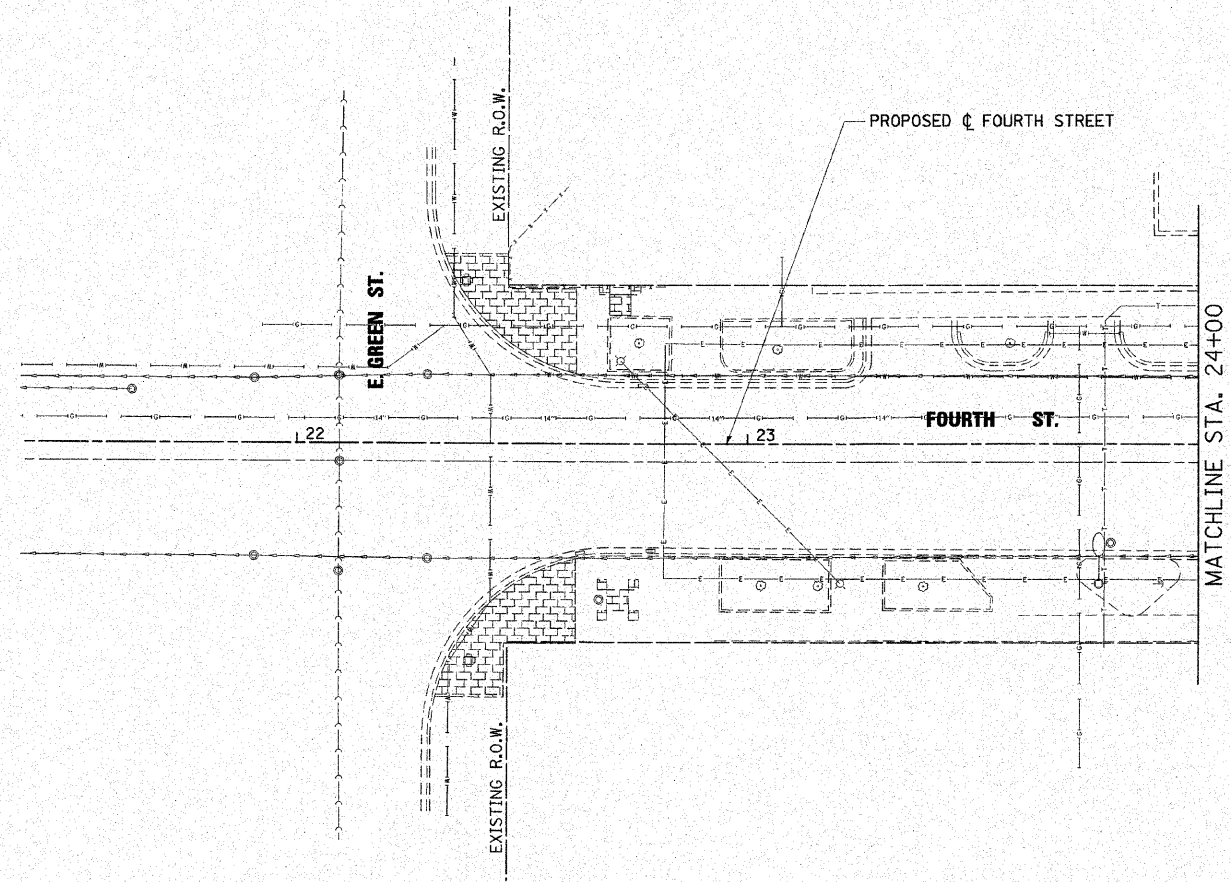
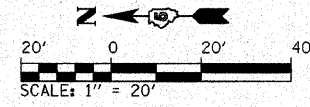
FACE COLORS:  
LEGEND AND BORDER- WHITE (NON REFLECTIVE)  
BACKGROUND- GREEN (NON REFLECTIVE)

FORMED LETTERS SHALL BE CLEARVIEW HWY 3-W UPPERCASE.



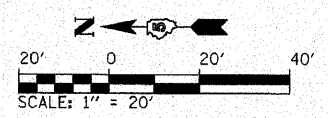
**LIGHTING PLAN NOTES**

1. THE CITY OF CHAMPAIGN SHALL SUPPLY ALL LIGHT POLES, DAVIT ARMS AND FIXTURES FOR THE CONTRACTOR TO INSTALL, WIRE AND TEST.
2. THE CONTRACTOR MAY ADJUST POLE LOCATIONS IN THE FIELD AS DIRECTED BY THE ENGINEER TO AVOID CONFLICTING UTILITIES. NO ADDITIONAL COST TO THE CONTRACT WILL BE ALLOWED FOR RELOCATION. MAINTAIN A MINIMUM 1.5' CLEARANCE FROM FOUNDATIONS TO BACK OF ADJACENT CURB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. INSTALL A 12"x12" GULFBOX WITHIN 5' OF EACH LIGHT POLE FOUNDATION. MAINTAIN MINIMUM 1.5' CLEARANCE TO BACK OF ADJACENT CURB. SEE POLE BASE DETAIL.

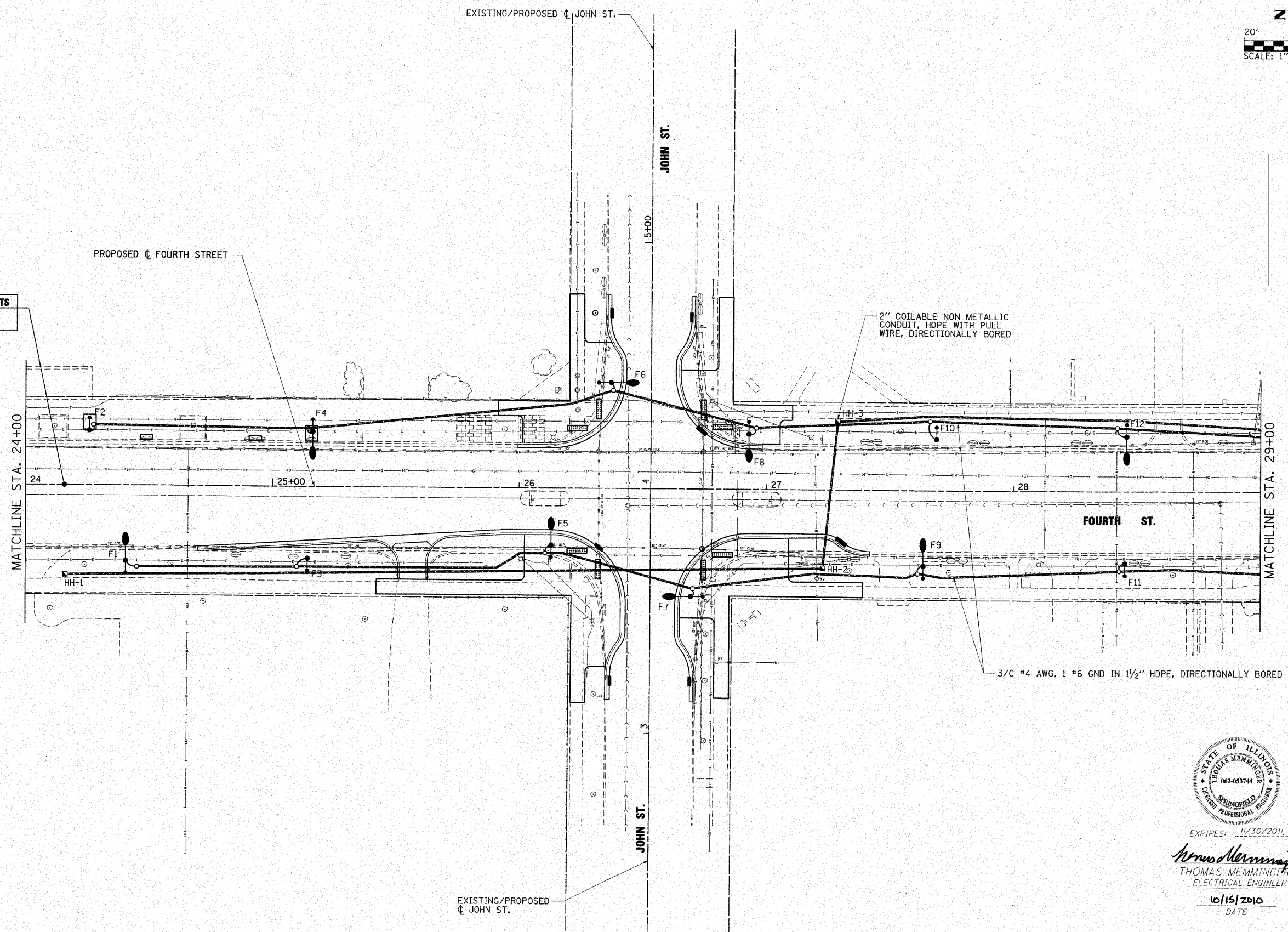


EXPIRES: 11/30/2011  
*Thomas Memminger*  
 THOMAS MEMMINGER  
 ELECTRICAL ENGINEER  
 10/15/2010  
 DATE

FILE NAME = I:\champaign\100948100\draw\cedd_sheets\Lighting_Plans_01.dgn	USER NAME = Jim Michael	DESIGNED - TM		<p align="center"><b>CITY OF CHAMPAIGN</b>  <b>DEPARTMENT OF PUBLIC WORKS</b></p>	<p align="center"><b>ROADWAY LIGHTING PLAN</b>  <b>FOURTH STREET IMPROVEMENT</b>  <b>CHAMPAIGN, ILLINOIS</b></p>	F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 43		
PLOT SCALE = 20.0000' / 1" IN.	DRAWN - RAH	SCALE: 1" = 20'				SHEET NO. OF SHEETS	STA. 22+00 TO STA. 24+00	CONTRACT NO. 91445				
PLOT DATE = 10/18/2010	CHECKED - JMM	ILLINOIS FED. AID PROJECT										
DATE - 10/15/2010												



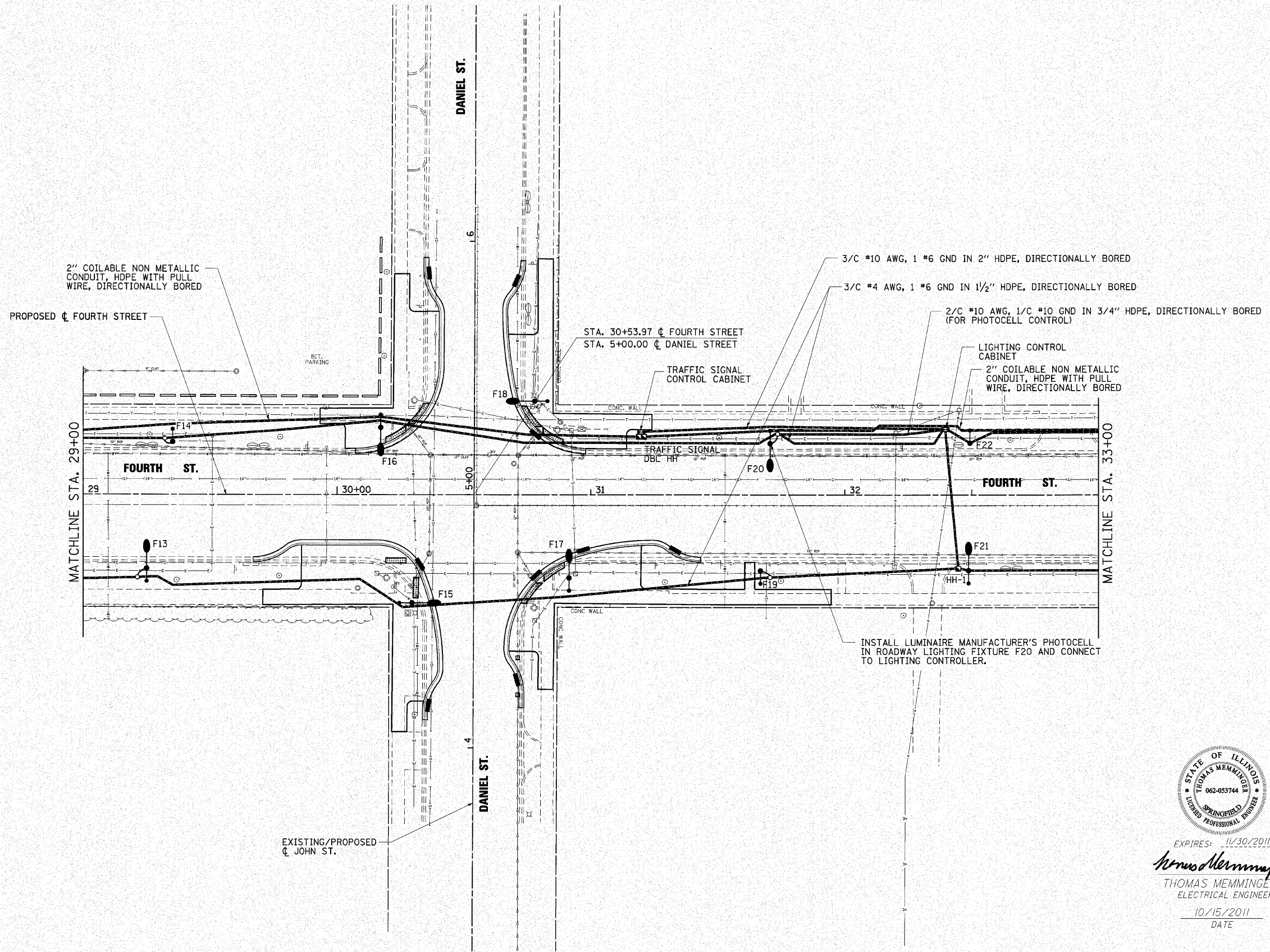
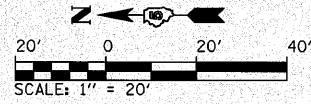
**BEGIN IMPROVEMENTS**  
FOURTH STREET  
STA. 24+16.05



EXPIRES: 11/30/2011  
*Thomas Memminger*  
THOMAS MEMMINGER  
ELECTRICAL ENGINEER  
10/15/2010  
DATE

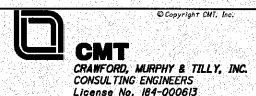
FILE NAME = I:\champaign\180948100\draw\cadd\sheet5	USER NAME = Jim Michael Lighting_Plans_02.dgn	DESIGNED - TM DRAWN - RAH CHECKED - JMM DATE - 10/15/2010	 <b>CMT</b> CHAMFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	<b>CITY OF CHAMPAIGN</b> <b>DEPARTMENT OF PUBLIC WORKS</b>		<b>ROADWAY LIGHTING PLAN</b> <b>FOURTH STREET IMPROVEMENT</b> <b>CHAMPAIGN, ILLINOIS</b>		F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 44
SCALE: 1" = 20'								SHEET NO. OF SHEETS	STA. 24+00 TO STA. 29+00	CONTRACT NO. 91445 ILLINOIS FED. AID PROJECT		





EXPIRES: 11/30/2011  
*Thomas Memminger*  
 THOMAS MEMMINGER  
 ELECTRICAL ENGINEER  
 10/15/2011  
 DATE

FILE NAME =	USER NAME = Jim Michael	DESIGNED - TM
I:\champaign\102940100\draw\cadd\sheets\lighting\Plans_03.dgn		DRAWN - RAH
PLOT SCALE = 20.0000' / IN.		CHECKED - JMM
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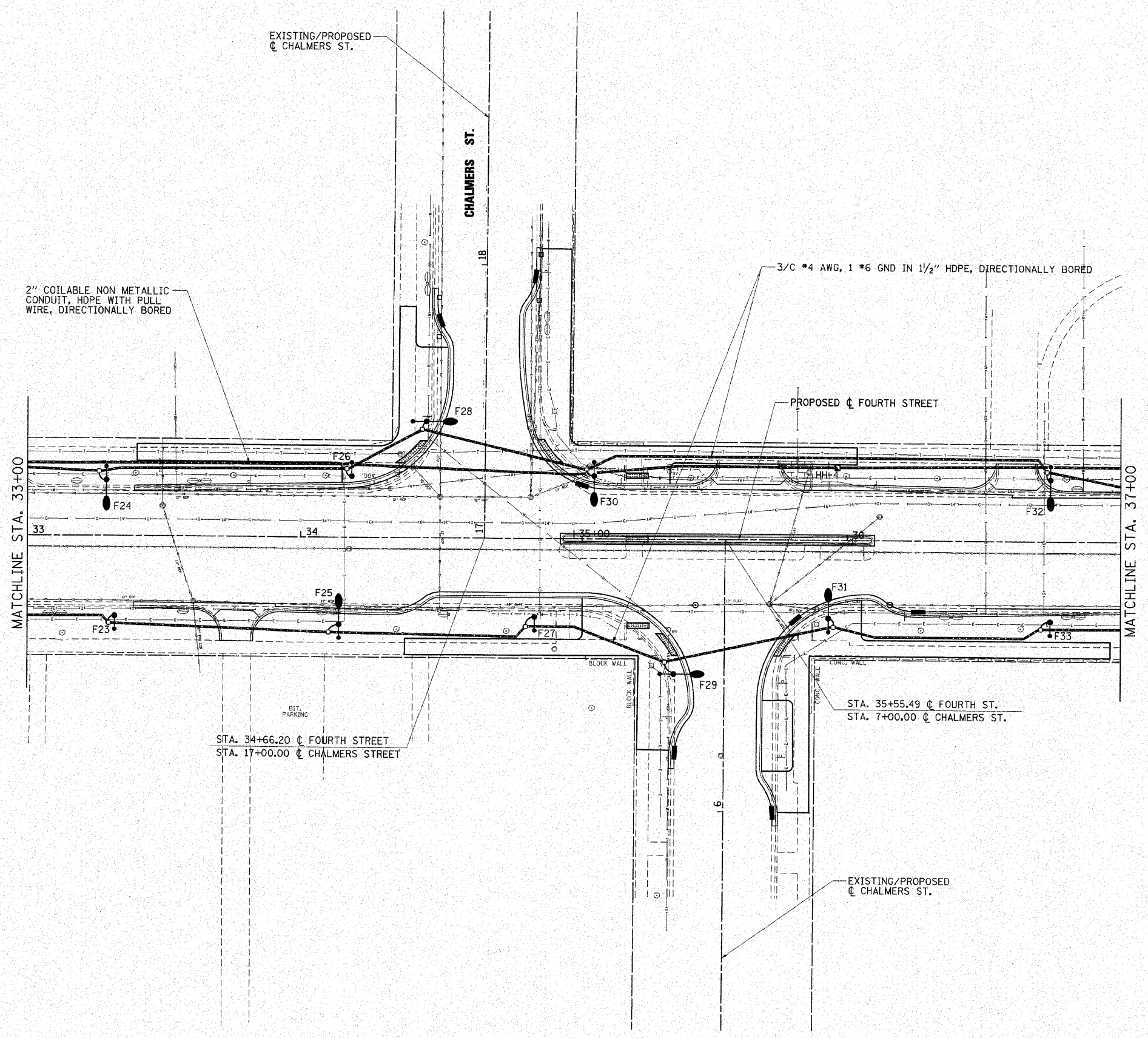
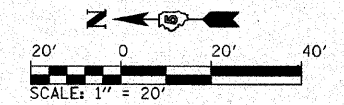


**CITY OF CHAMPAIGN  
 DEPARTMENT OF PUBLIC WORKS**

**ROADWAY LIGHTING PLAN  
 FOURTH STREET IMPROVEMENT  
 CHAMPAIGN, ILLINOIS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 24+00 TO STA. 29+00

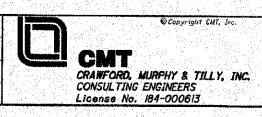
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	45
CONTRACT NO. 91445				
[ILLINOIS] FED. AID PROJECT				



EXPIRES: 11/30/2011  
*Thomas Memminger*  
 THOMAS MEMMINGER  
 ELECTRICAL ENGINEER  
 10/15/2010  
 DATE

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USER NAME =	Jim Michael
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PLOT SCALE =	20.0000' / IN.
PLOT DATE =	10/18/2010

DESIGNED -	TM
DRAWN -	RAH
CHECKED -	JMM
DATE -	10/15/2010



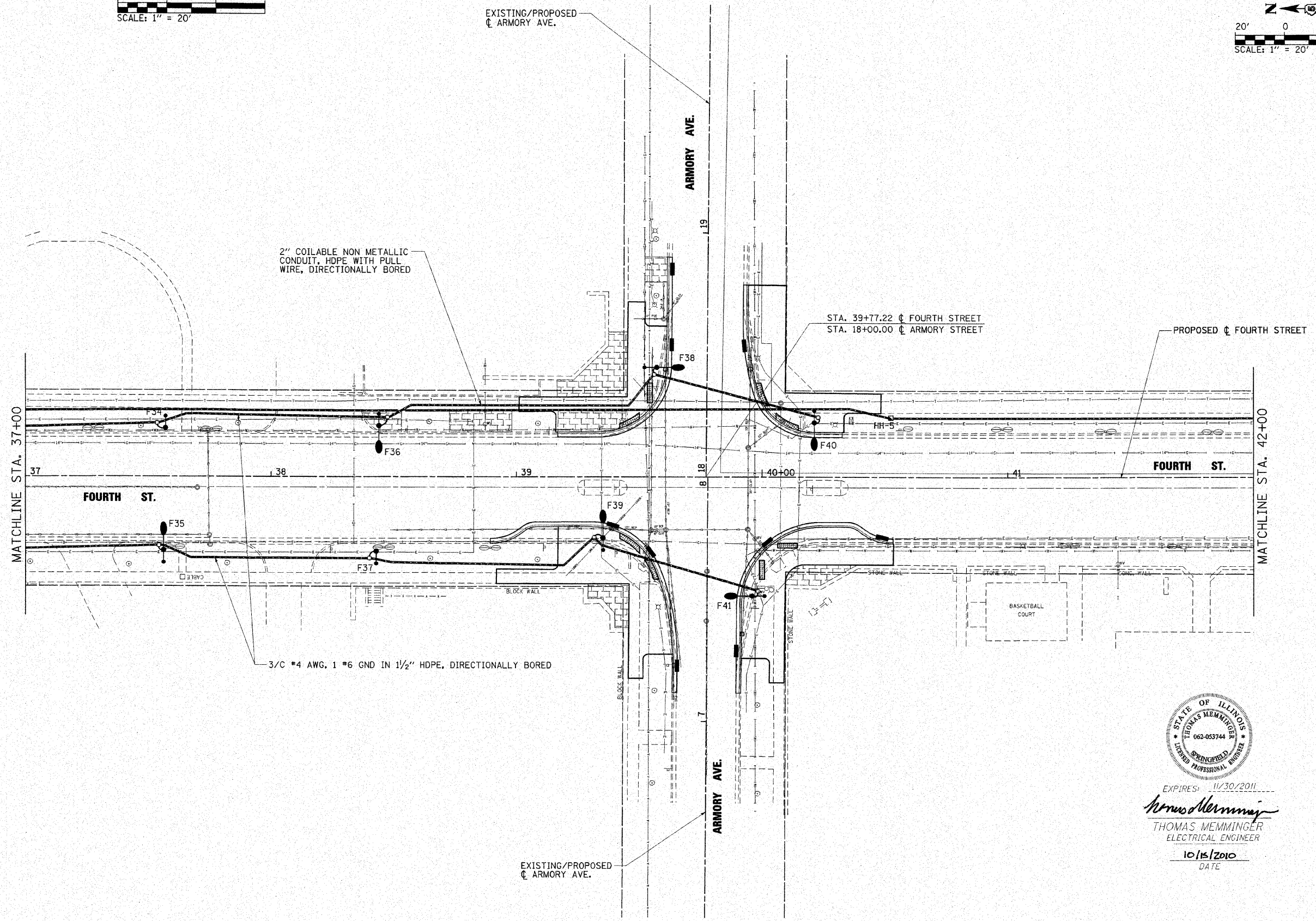
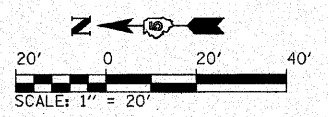
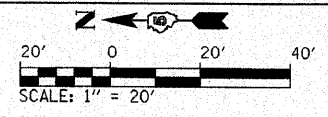
**CITY OF CHAMPAIGN**  
**DEPARTMENT OF PUBLIC WORKS**

**ROADWAY LIGHTING PLAN**  
**FOURTH STREET IMPROVEMENT**  
**CHAMPAIGN, ILLINOIS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 33+00 TO STA. 37+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	46
CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	



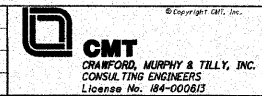


EXPIRES: 11/30/2011  
*Thomas Memminger*  
 THOMAS MEMMINGER  
 ELECTRICAL ENGINEER  
 10/15/2010  
 DATE

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USER NAME = Jim Michael  
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 PLOT DATE = 10/15/2010

DESIGNED - TM  
 DRAWN - RAH  
 CHECKED - JMM  
 DATE - 10/15/2010

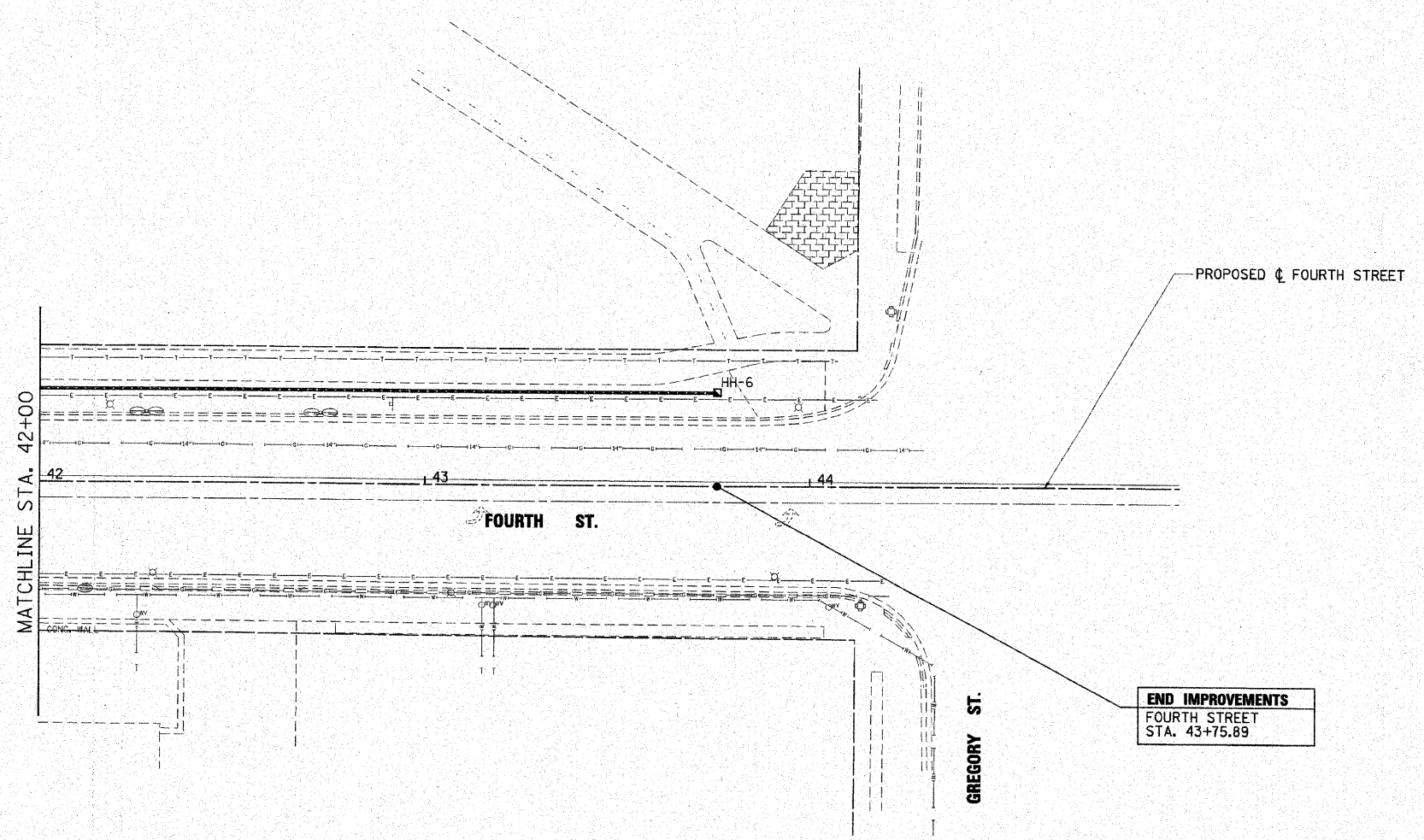
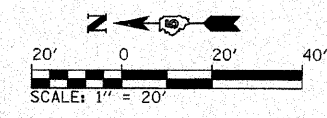


**CITY OF CHAMPAIGN  
 DEPARTMENT OF PUBLIC WORKS**

**ROADWAY LIGHTING PLAN  
 FOURTH STREET IMPROVEMENT  
 CHAMPAIGN, ILLINOIS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 37+00 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	47
CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	



**END IMPROVEMENTS**  
FOURTH STREET  
STA. 43+75.89



EXPIRES: 11/30/2011  
*Thomas Memminger*  
THOMAS MEMMINGER  
ELECTRICAL ENGINEER  
10/15/2010  
DATE

FILE NAME = I:\champaign\100940100\draw\cadd\streets	USER NAME = Jim Michael Lighting_Plans_06.dgn	DESIGNED - TM DRAWN - RAH CHECKED - JMM DATE - 10/15/2010	 <b>CMT</b> CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 084-000613	<b>CITY OF CHAMPAIGN</b> <b>DEPARTMENT OF PUBLIC WORKS</b>	<b>ROADWAY LIGHTING PLAN</b> <b>FOURTH STREET IMPROVEMENT</b> <b>CHAMPAIGN, ILLINOIS</b>	F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 48	CONTRACT NO. 91445 ILLINOIS FED. AID PROJECT
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SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 42+00 TO STA. 45+00



**GENERAL NOTES:**

1. ALL CONSTRUCTION AND ASSOCIATED IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", "HIGHWAY STANDARDS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AND THE "SPECIAL CONDITIONS" INCLUDED IN THE BID DOCUMENTS.
2. UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY & LOCATE ALL UTILITIES IN THE FIELD AND COORDINATE THEIR RELOCATION, IF NECESSARY, WITH THE RESPECTIVE UTILITY OWNER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
5. THE CONTRACTOR SHALL TAKE CARE NOT TO STORE OR DISPOSE OF MATERIALS WITHIN THE LIMITS OF THE IMPROVEMENT AND TAKE CARE TO LIMIT CONSTRUCTION ACTIVITIES TO WITHIN THE RIGHT-OF-WAY. UNNECESSARY ENCROACHMENTS ONTO PRIVATE OR PUBLIC AREAS WILL NOT BE ALLOWED.
6. ALL DISTURBED AREAS SHALL BE RESTORED WITH 4" OF TOPSOIL AND SODDING WITH SUPPLEMENTAL WATERING. THIS WORK WILL BE IN ACCORDANCE WITH SECTIONS 211, AND 252 OF THE STANDARD SPECIFICATIONS.
7. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOCATIONS AND DIMENSIONS PRIOR TO ORDERING AND INSTALLATION.
8. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA70 (NEC MOST CURRENT ISSUE), THE RESPECTIVE EQUIPEMNT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH WOULD VOID THE U.L. LISTINGS (OR THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WHALL NOT BE PERMITTED.

**LEGEND**

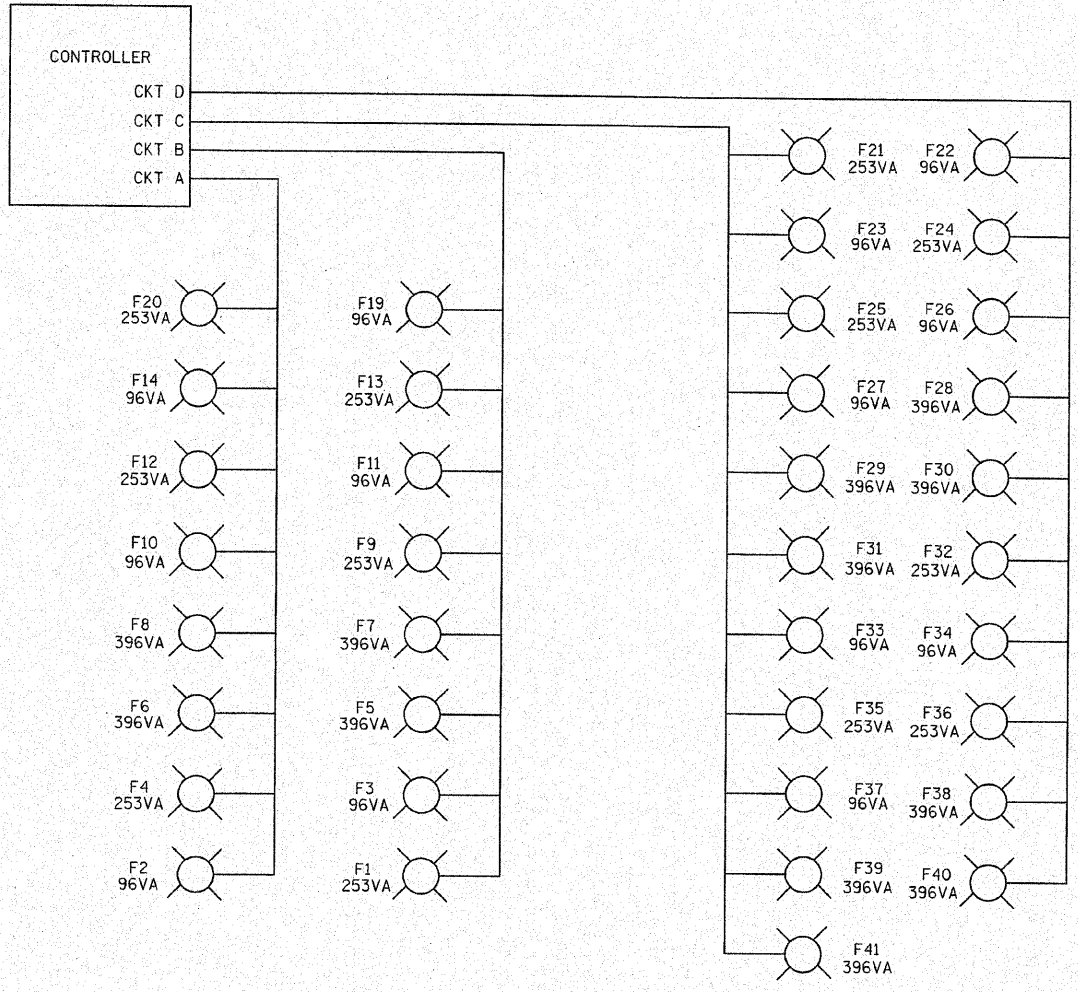
- LIGHT FIXTURE. \*\* = IDENTIFIER
- CIRCUIT BREAKER
- FUSE
- UNDERGROUND ELECTRICAL
- POWER POLE
- DIRECTIONAL BORE
- NORMALLY OPEN (N.O.) CONTACT.
- NORMALLY CLOSED (N.C.) CONTACT.
- CONTACTOR COIL
- PHOTOCELL
- 3-POSITION SELECTOR SWITCH (H-O-A SHOWN)
- GROUND
- TRANSFORMER
- METER
- DISCONNECT • = AMP RATING
- BREAKER PANEL
- HANDHOLE, # = IDENTIFIER
- LIGHT POLE, \*\* = IDENTIFIER
- GULF BOX

**ABBREVIATIONS**

AUX	AUXILIARY
AWG	AMERICAN WIRE GAGE
C	CONDUIT
CAT.	CATALOG
CB	CIRCUIT BREAKER
CIRC. BRKR.	CIRCUIT BREAKER
CKT	CIRCUIT
CPT	CONTROL POWER TRANSFORMER
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
E.C.	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GRSC	GALVANIZED RIGID STEEL CONDUIT
HDPE	HIGH DENSITY POLYETHELENE
HH	HANDHOLE
HOA	HAND OFF AUTO
KVA	KILOVOLT AMPERE
KW	KILOWATT
LC	LIGHTING CONTACTOR
MFR	MANUFACTURER
MH	MANHOLE
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NO.	NUMBER
RECEPT	RECEPTACLE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP.	TYPICAL
WP	WEATHERPROOF
XFMR	TRANSFORMER

EXPIRES: 11/30/2011  
*Thomas Memminger*  
 THOMAS MEMMINGER  
 ELECTRICAL ENGINEER  
 10/15/2010  
 DATE

FILE NAME =	USER NAME = Jim Michael	DESIGNED - TM	 <b>CMT</b> <small>CRAWFORD, MURPHY &amp; TILLY, INC.</small> <small>CONSULTING ENGINEERS</small> <small>License No. 184-000613</small>	<b>CITY OF CHAMPAIGN</b> <b>DEPARTMENT OF PUBLIC WORKS</b>	<b>ROADWAY LIGHTING DETAILS</b> <b>FOURTH STREET IMPROVEMENT</b> <b>CHAMPAIGN, ILLINOIS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
1:\champaign\102940100\draw\cadd\sheet	Lighting_Plans_Details.dgn	DRAWN - RAH		<b>SCALE:</b>	<b>SHEET NO. OF SHEETS</b>	<b>STA. TO STA.</b>	7171	10-00285-00-SP	CHAMPAIGN	55	49
PLOT SCALE = 30.0000' / IN.	CHECKED - SWM	DATE - 10/15/2010		CONTRACT NO. 91445 [ILLINOIS] FED. AID PROJECT							
PLOT DATE = 10/15/2010	DATE - 10/15/2010										



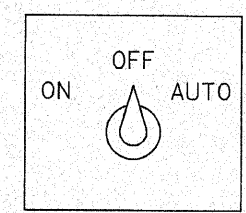
**POWER REQUIREMENTS**

SERVICE	-	120/240 SINGLE PHASE, 3W, 100A
CIRCUIT A	FIXT.	3 X 96VA = 384VA
	FIXT.	3 X 253VA = 506VA
	FIXT.	2 X 396VA = 792VA
	RECP.	8 X 180VA = 1440VA
CIRCUIT B	FIXT.	3 X 96VA = 288VA
	FIXT.	3 X 253VA = 759VA
	FIXT.	2 X 396VA = 792VA
	RECP.	8 X 180VA = 1440VA
CIRCUIT C	FIXT.	4 X 96VA = 384VA
	FIXT.	3 X 253VA = 759VA
	FIXT.	4 X 396VA = 1584VA
	RECP.	11 X 180VA = 1980VA
CIRCUIT D	FIXT.	3 X 96VA = 288VA
	FIXT.	3 X 253VA = 759VA
	FIXT.	4 X 396VA = 1584VA
	RECP.	10 X 180VA = 1880VA
		TOTAL = 15,696VA

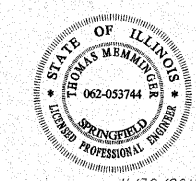
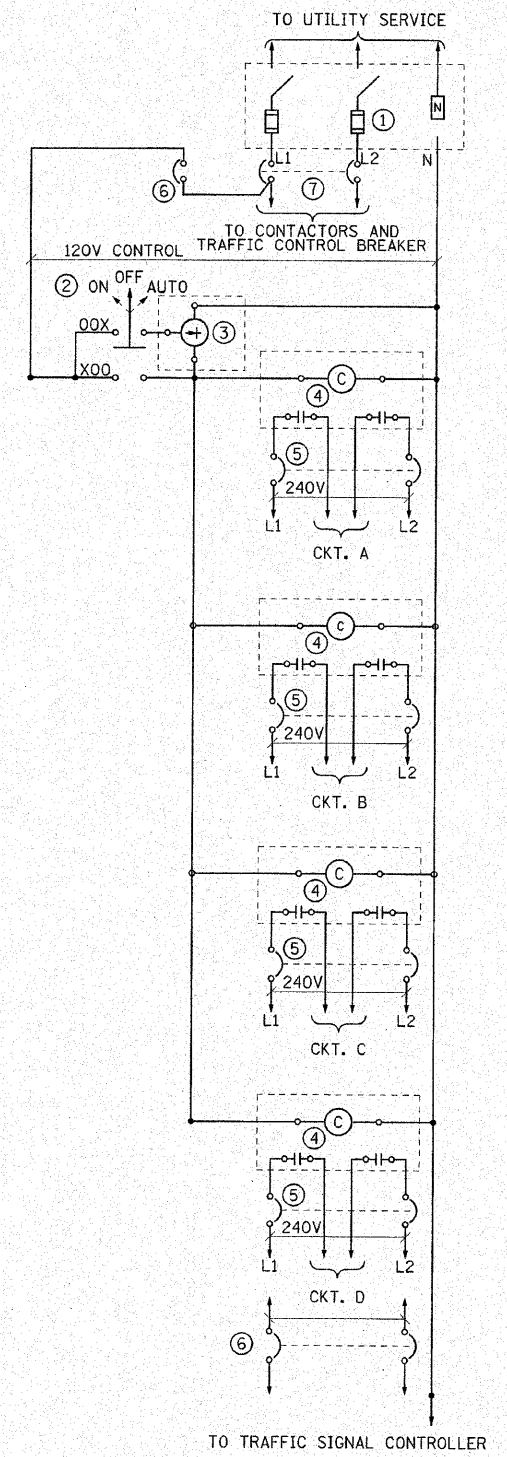
**NOTES**

- FUSED DISCONNECT, 100A, 240V WITH SOLID NEUTRAL, RATED FOR SERVICE ENTRANCE USE.
- HOA SWITCH WITH ENGRAVED NAMEPLATE AS DETAILED.
- PHOTOCELL WITH INTERGRATED SURGE SUPPRESSOR, INSTALLED IN FIXTURE F20
- LIGHTING CONTACTOR 30A, 2P, 240V, ELECTRICALLY HELD.
- CIRCUIT BREAKER, 30A, 2P, 240V, INCLUDE 2 SPARE.
- CIRCUIT BREAKER, 20A, 1P, 120V, INCLUDE 2 SPARE.
- MAIN CIRCUIT BREAKER, 100A, 2P, 240V.

**HOA NAMEPLATE**



**CONTROLLER WIRING**

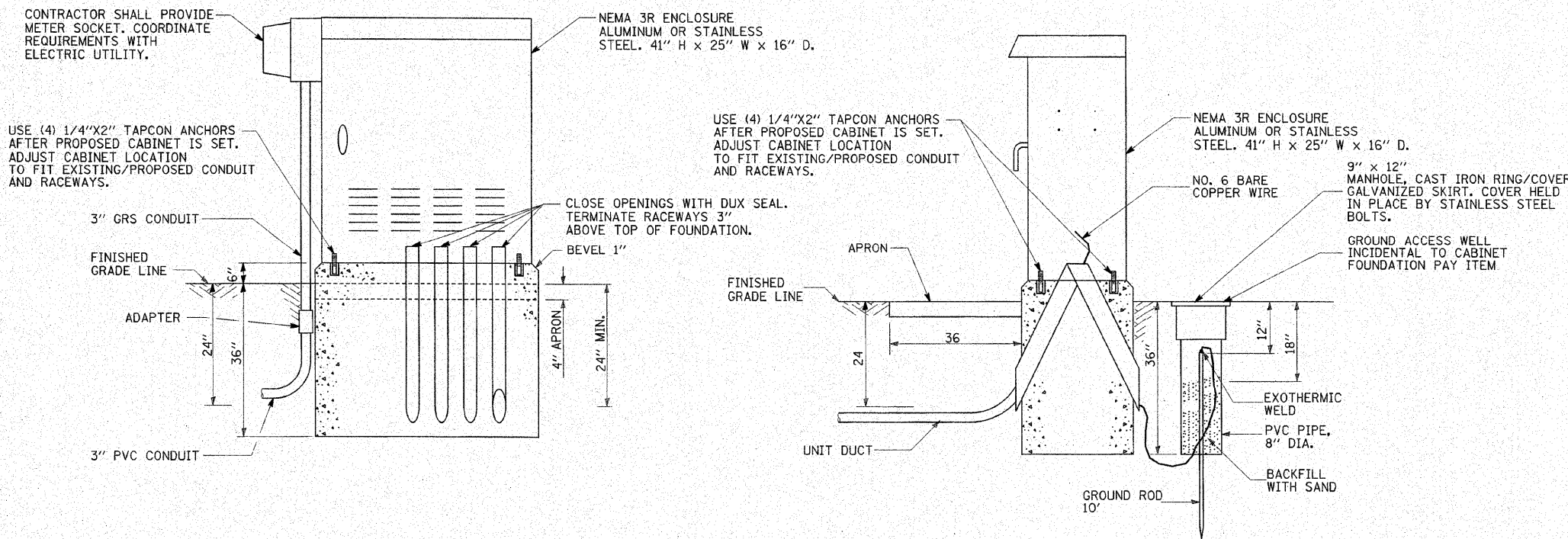


EXPIRES: 11/30/2011

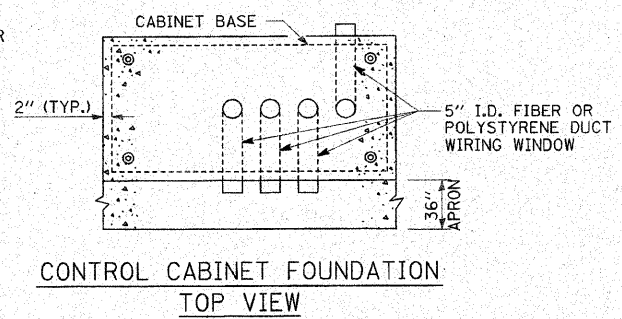
*Thomas Memminger*  
 THOMAS MEMMINGER  
 ELECTRICAL ENGINEER  
 10/15/2010  
 DATE

FILE NAME =	USER NAME = Jim Michael	DESIGNED - TW	<p><b>CMT</b>                  CRAWFORD, MURPHY &amp; TILLY, INC.                  CONSULTING ENGINEERS                  License No. 184-000613</p>	<p align="center"><b>CITY OF CHAMPAIGN                  DEPARTMENT OF PUBLIC WORKS</b></p>		<p align="center"><b>CABLE / WIRING PLAN                  FOURTH STREET IMPROVEMENT                  CHAMPAIGN, ILLINOIS</b></p>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\champaign\108940100\draw\cadd\sheet5	Lighting_Cable_Wiring_Plan.dgn	DRAWN - P.M.						7171	10-00285-00-SP	CHAMPAIGN	55	50
PLOT SCALE = 3/8"=1'-0"	CHECKED - JMM	DATE - 10/15/2010						CONTRACT NO. 91445				
PLOT DATE = 10/16/2010								ILLINOIS FED. AID PROJECT				

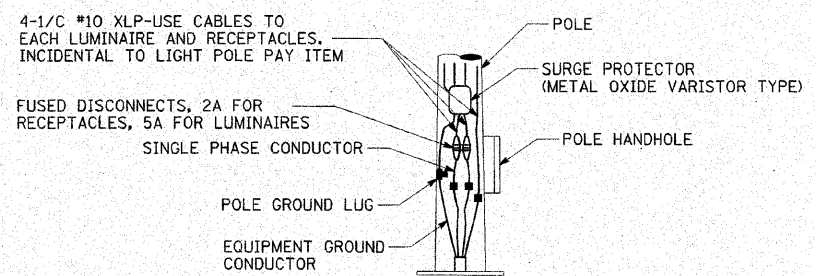




CONTROL CABINET AND FOUNDATION DETAIL  
(TYPE D)  
NOT TO SCALE



CONTROL CABINET FOUNDATION  
TOP VIEW



POLE BASE WIRING  
NOT TO SCALE

NOTE:  
ACCESSORIES AND POLE WIRING ARE TO BE INCIDENTAL TO COST OF THE LIGHT POLE PAY ITEM.



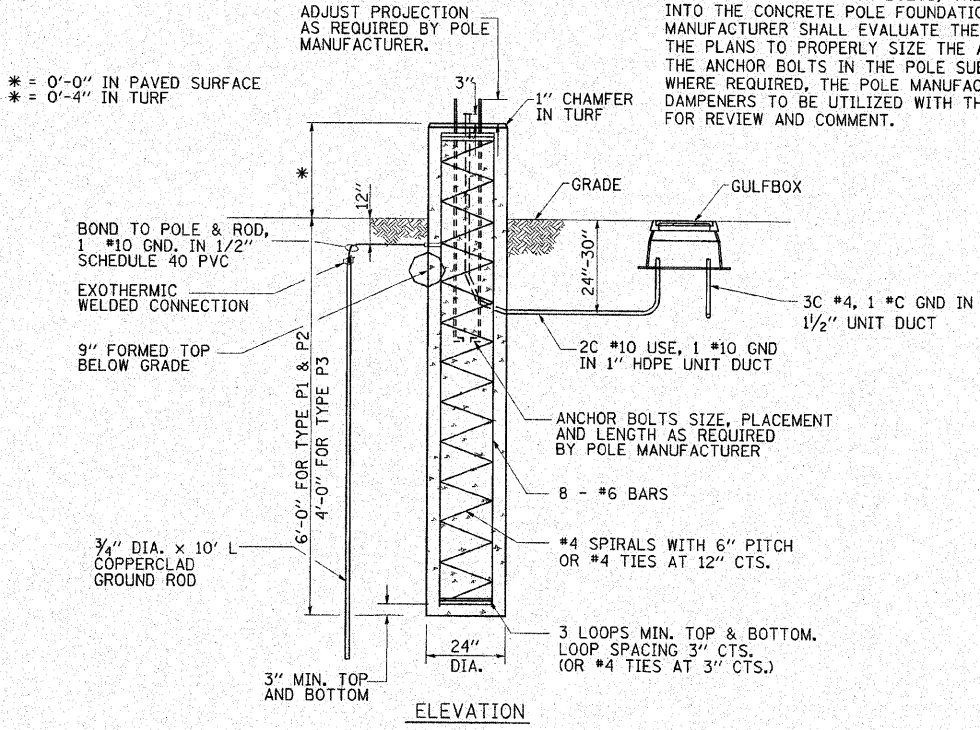
EXPIRES: 11/30/2011  
*Thomas Memminger*  
THOMAS MEMMINGER  
ELECTRICAL ENGINEER  
10/15/2010  
DATE

NOTE: ALL DIMENSIONS ON THIS DRAWING ARE IN INCHES UNLESS OTHERWISE INDICATED.

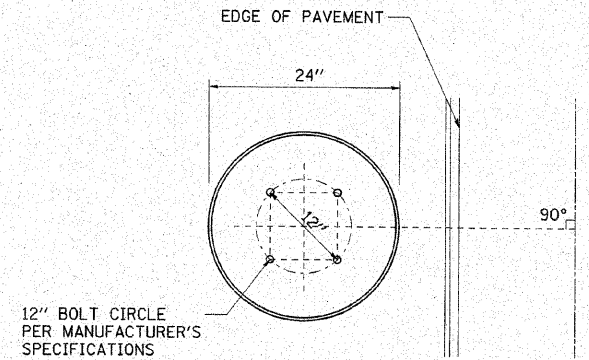
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	Lighting_Plans_Details_B.dgn	DRAWN - RAH						7171	10-00285-00-SP	CHAMPAIGN	55	51
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	PLOT DATE = 10/15/2010	DATE - 10/15/2010						ILLINOIS FED. AID PROJECT				
			SCALE: N.T.S.	SHEET NO. 6 OF 333 SHEETS	STA.	TO STA.						

**POLE ANCHOR BOLTS AND VIBRATION DAMPENERS**

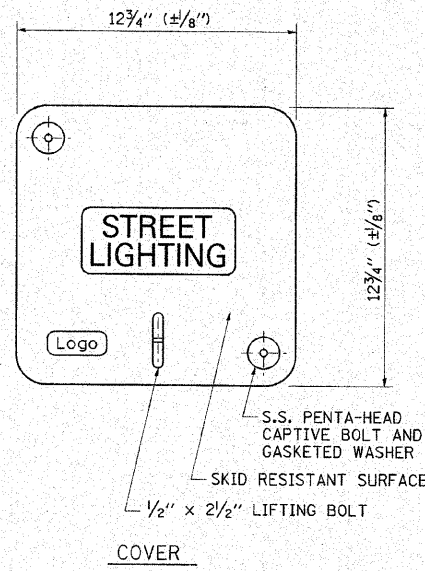
WHILE IT IS THE POLE MANUFACTURER'S RESPONSIBILITY TO FURNISH PROPERLY SIZED ANCHOR BOLTS, THE MINIMUM ANCHOR BOLT EMBEDMENT INTO THE CONCRETE POLE FOUNDATION SHALL BE 36". THE POLE MANUFACTURER SHALL EVALUATE THE POLE AND FOUNDATION DETAILS ON THE PLANS TO PROPERLY SIZE THE ANCHOR BOLTS, AND SHALL INCLUDE THE ANCHOR BOLTS IN THE POLE SUBMITTAL FOR REVIEW AND COMMENT. WHERE REQUIRED, THE POLE MANUFACTURER SHALL SUBMIT THE VIBRATION DAMPENERS TO BE UTILIZED WITH THE POLES WITH THE POLE SUBMITTAL FOR REVIEW AND COMMENT.



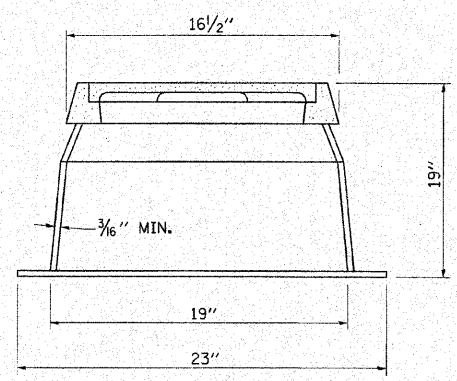
**P1, P2 AND P3 POLE BASE DETAIL**  
N.T.S.



**POLE BASE ANCHOR BOLT PATTERN DETAIL**  
N.T.S.



**STANDARD GULFBOX**  
N.T.S.



**BOX SECTION**

1. GULFBOX SHALL BE FIBERGLASS REINFORCED POLYMER CONCRETE AND FIBERGLASS REINFORCED POLYMER
2. COVER SHALL BE DARK GREEN IN TURFED AREAS AND COLORED TO MATCH PAVED AREAS.
3. GULFBOX SHALL HAVE THE WORDS "STREET LIGHTING" CAST INTO THE COVER.



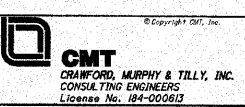
EXPIRES: 11/30/2011

*Thomas Memminger*

THOMAS MEMMINGER  
ELECTRICAL ENGINEER

10/15/2010  
DATE

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PLOT DATE = 10/19/2010	DATE = 10/15/2010	CHECKED - JMM



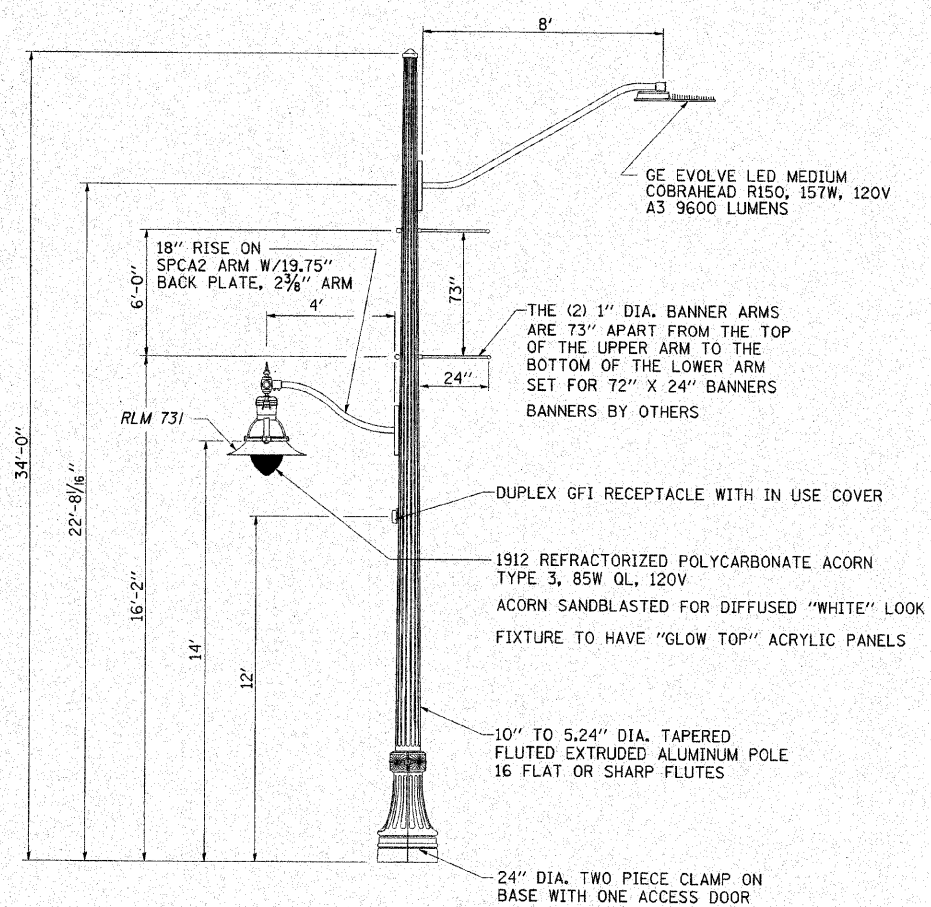
**CITY OF CHAMPAIGN**  
**DEPARTMENT OF PUBLIC WORKS**

**ROADWAY LIGHTING DETAILS**  
**FOURTH STREET IMPROVEMENT**  
**CHAMPAIGN, ILLINOIS**

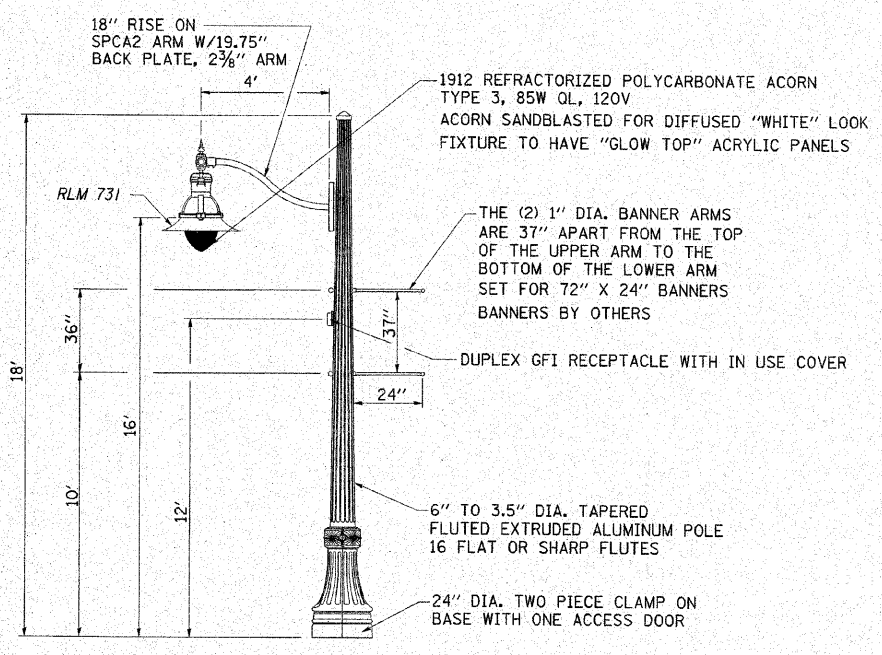
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F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 52
CONTRACT NO. 91445				
ILLINOIS FED. AID PROJECT				

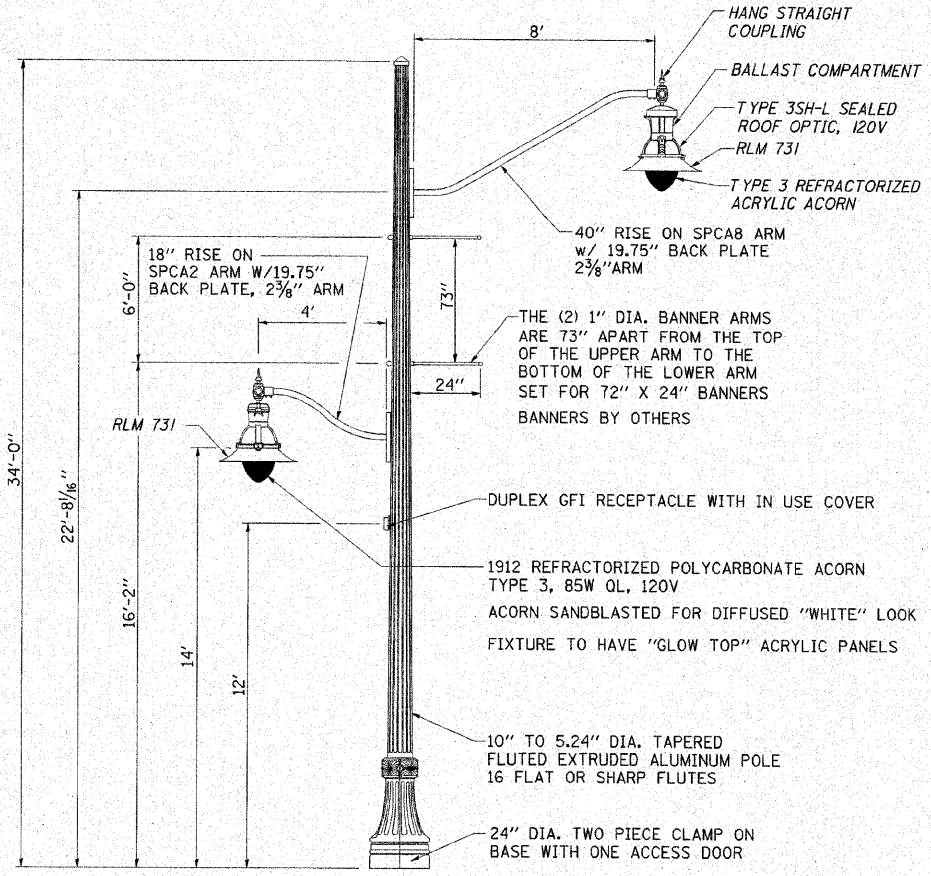




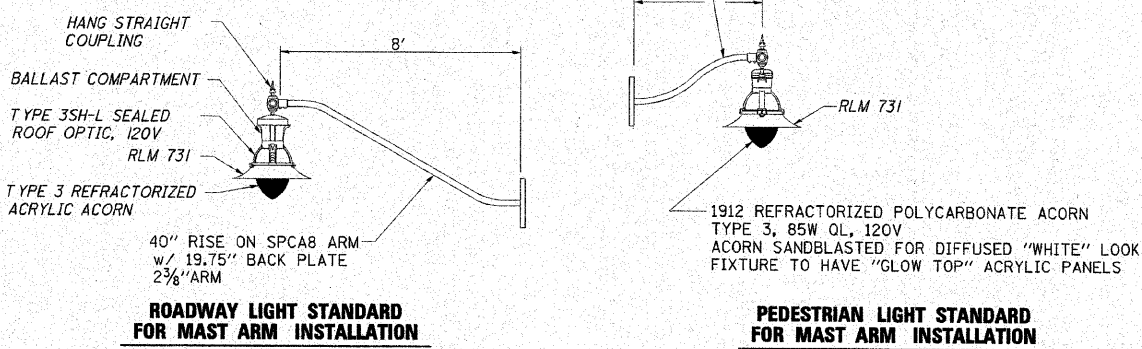
**LIGHT STANDARD TYPE P1**



**LIGHT STANDARD TYPE P3**



**LIGHT STANDARD TYPE P2**



**ROADWAY LIGHT STANDARD FOR MAST ARM INSTALLATION**

**PEDESTRIAN LIGHT STANDARD FOR MAST ARM INSTALLATION**

**LIGHT FIXTURE LOCATIONS**

POLE ID	TYPE	STATION	OFFSET
F1	P1	24+40.5	30.6' RT.
F2	P3	24+25.7	22.4' LT.
F3	P3	25+13.8	28.6' RT.
F4	P1	25+16.5	22.0' LT.
F5	P2	26+13.0	23.0' RT.
F6	P2	26+37.1	42.9' LT.
F7	P2	26+69.5	43.7' RT.
F8	P2	26+92.9	22.3' LT.
F9	P1	27+63.5	30.5' RT.
F10	P3	27+68.9	20.7' LT.
F11	P3	28+45.2	29.1' RT.
F12	P1	28+45.8	22.1' LT.
F13	P1	29+25.0	29.2' RT.
F14	P3	29+35.2	20.9' LT.
F15	P2*	30+29.6	42.7' RT.
F16	P2*	30+17.2	26.6' LT.
F17	P2*	30+91.4	32.9' RT.
F18	P2*	30+77.9	37.0' LT.
F19	P3	31+66.8	30.0' RT.
F20	P1	31+70.6	20.4' LT.
F21	P1	32+48.8	29.9' RT.
F22	P3	32+49.3	20.6' LT.
F23	P3	33+31.9	29.7' RT.
F24	P1	33+28.8	20.4' LT.
F25	P1	34+13.9	32.3' RT.
F26	P3	34+18.6	22.5' LT.
F27	P3	34+85.6	29.1' RT.
F28	P2	34+45.9	42.5' LT.
F29	P2	35+36.6	49.9' RT.
F30	P2	35+07.3	23.2' LT.
F31	P2	35+93.1	29.0' RT.
F32	P1	36+74.3	22.7' LT.
F33	P3	36+74.2	29.7' RT.
F34	P3	37+57.0	19.8' LT.
F35	P1	37+56.2	29.6' RT.
F36	P1	38+43.9	20.9' LT.
F37	P3	38+42.8	30.0' RT.
F38	P2	39+57.2	45.0' LT.
F39	P2	39+35.2	24.5' RT.
F40	P2	40+21.3	22.3' LT.
F41	P2	39+95.9	48.3' RT.

\* ARM AND FIXTURE ONLY. TO BE MOUNTED TO PROPOSED TRAFFIC SIGNAL MAST ARM POLES.

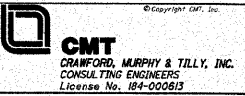
**NOTES:**  
1. LIGHT POLE ASSEMBLIES INCLUDING POLES, DAVIT ARMS AND LUMINAIRES TO BE SUPPLIED BY OTHERS DELIVERED TO THE CONTRACTOR FROM THE MANUFACTURE FOR INSTALLATION UNDER THIS CONTRACT.



EXPIRES: 11/30/2011  
*Thomas Memminger*  
THOMAS MEMMINGER  
ELECTRICAL ENGINEER  
10/15/2010  
DATE

LUMINAIRE SCHEDULE				
SYMBOL	LABEL	QTY	LAMP	FOUNDATION
	COMBINED ROADWAY AND PEDESTRIAN LIGHTS	12	157 W LED WITH 9600 LUMENS, 85 W QL WITH 6,000 LUMENS	6'
	COMBINED ROADWAY AND PEDESTRIAN LIGHTS AT INTERSECTIONS	16	250 WATT HPS WITH 27,500 INITIAL DELIVERED LUMENS 85 W QL WITH 6,000 LUMENS	6'
	PEDESTRIAN LIGHTS	13	85 WATT QL HPS WITH 16,000 INITIAL DELIVERED LUMENS	4'

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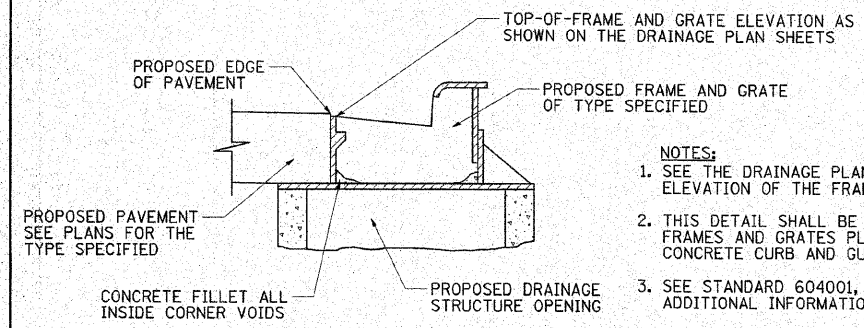


**CITY OF CHAMPAIGN**  
**DEPARTMENT OF PUBLIC WORKS**

**ROADWAY LIGHTING DETAILS**  
**FOURTH STREET IMPROVEMENT**  
**CHAMPAIGN, ILLINOIS**

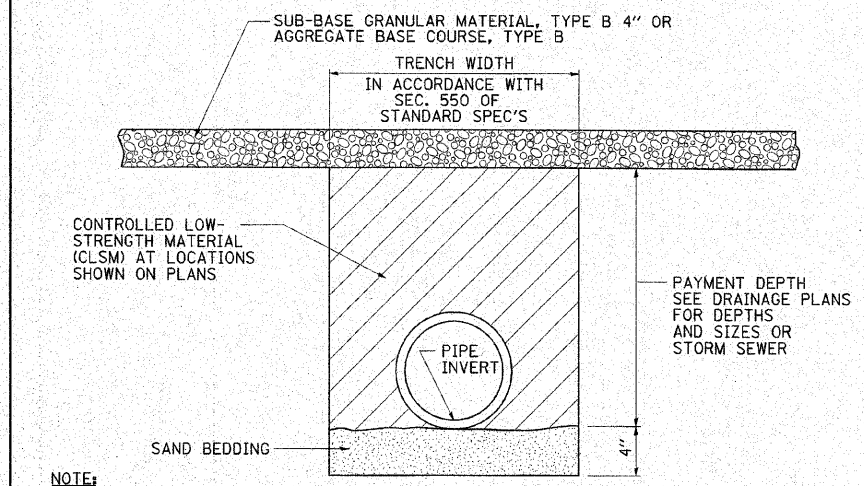
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F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 53
CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	



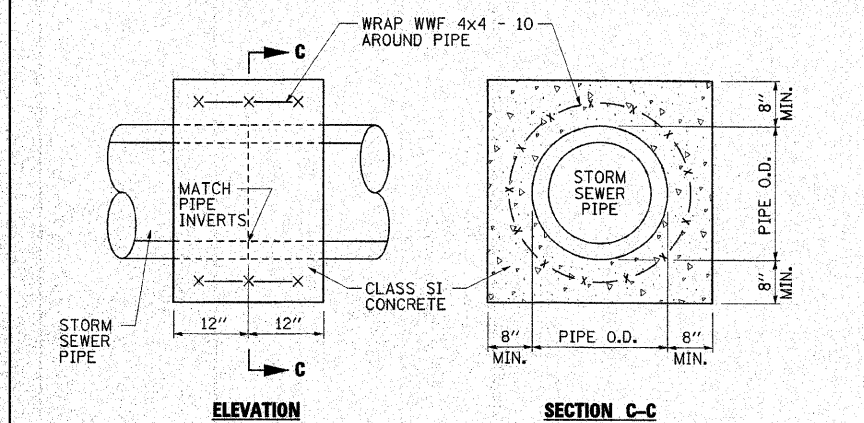
**FRAME AND GRATE DETAIL**

- NOTES:**
1. SEE THE DRAINAGE PLANS FOR THE LOCATION AND ELEVATION OF THE FRAMES AND GRATES.
  2. THIS DETAIL SHALL BE APPLICABLE FOR ALL FRAMES AND GRATES PLACED WITHIN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL).
  3. SEE STANDARD 604001, 604016 AND 604026 FOR ADDITIONAL INFORMATION.



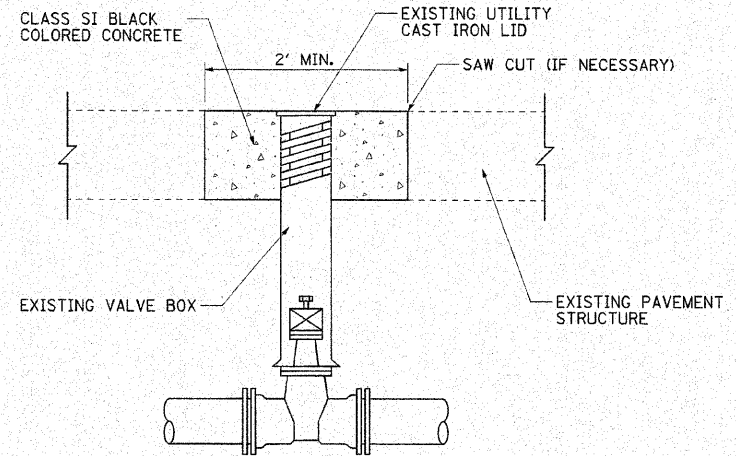
- NOTE:**
1. THE CLSM SHALL BE PLACE IN LIFTS AS DESCRIBED IN SECTION 593 OF THE STANDARD SPECIFICATIONS.
  2. THE APPLICABLE ARTICLES OF SECTION 550 OF THE STANDARD SPECIFICATIONS SHALL APPLY FOR EXCAVATION, BEDDING AND INSTALLATION OF STORM SEWERS.
  3. THE SAND BEDDING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CLSM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
  4. THE CLSM WILL BE PAID FOR IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS AND INCLUDES PAYMENT FOR THE MATERIAL TO THE TOP OF THE SAND BEDDING AS SHOWN ON THE DETAIL, THE QUANTITIES SHOWN ON THE PLANS ARE BASED ON A DEPTH MEASURED FROM THE TOP OF THE SAND BEDDING TO THE BOTTOM LIMITS OF THE SUB-BASE CRANULAR MATERIAL OR THE AGGERGATE BASE COURSE.

**CONTROLLED LOW-STRENGTH MATERIAL DETAIL**



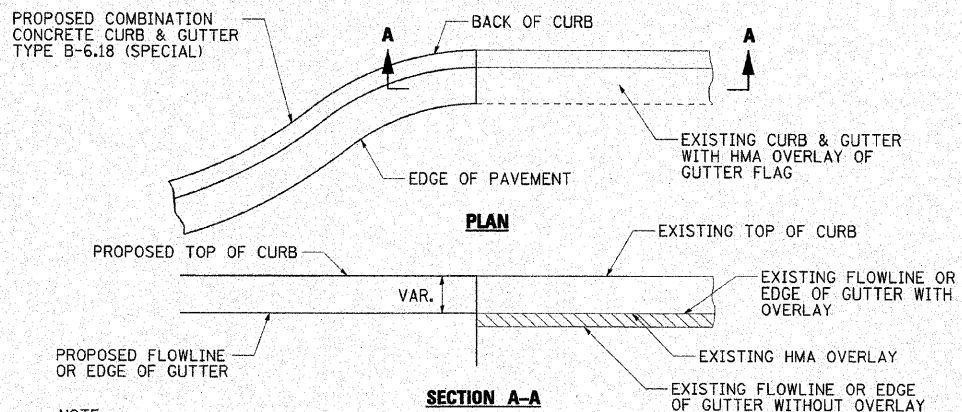
**CONCRETE COLLAR DETAIL**

**NOTE:**  
THE CONCRETE COLLARS SHALL BE UTILIZED WHERE CONNECTING STORM SEWERS OF DIFFERENT TYPES OR AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR.



**NOTE:**  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR VALVE BOXES TO BE ADJUSTED (SPECIAL), WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING PAVEMENT REMOVAL, EXCAVATION, ADJUSTING RINGS, CLASS SI BLACK COLORED CONCRETE, AND CONCRETE STAMPING WHERE REQUIRED. THE LETTER SIZE FOR THE PROPOSED LEGEND STAMPED IN THE CONCRETE SHALL MATCH THE EXISTING LETTER SIZE.

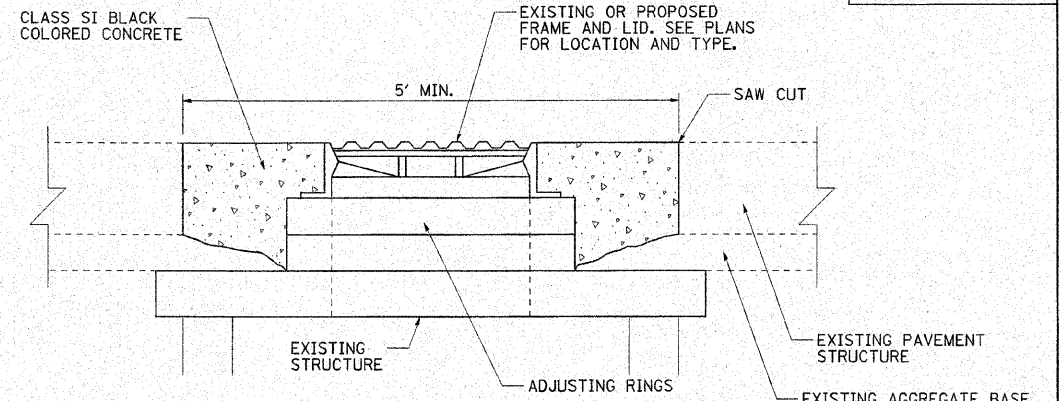
**VALVE BOXES TO BE ADJUSTED (SPECIAL) DETAIL**



**GUTTER FLAG DETAIL**

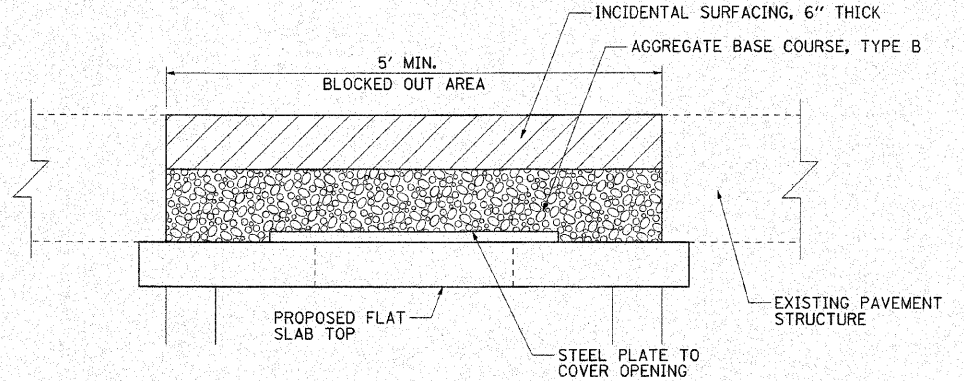
EXISTING GUTTER FLAG WITH HMA OVERLAY AND PROPOSED GUTTER FLAG WITHOUT HMA OVERLAY

- NOTE:**
1. WHERE THE PROPOSED CURB AND GUTTER MEETS THE EXISTING CURB AND GUTTER, THE PROPOSED OVERLAY OF THE EXISTING GUTTER FLAG SHALL BE TRANSITIONED TO MATCH THE PROPOSED GUTTER FLAG WITHOUT OVERLAY AS DIRECTED BY THE ENGINEER.



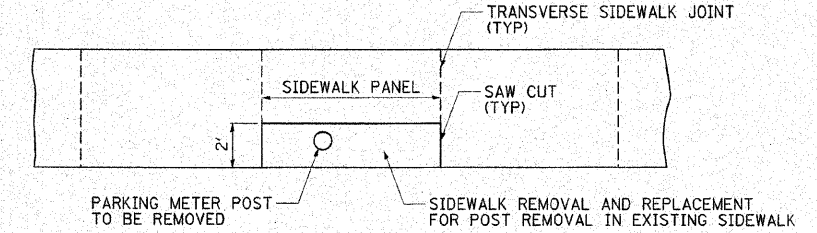
**NOTE:**  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR: MANHOLES TO BE ADJUSTED (SPECIAL) MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID; WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING PAVEMENT REMOVAL, EXCAVATION, ADJUSTING RINGS, AND CLASS SI BLACK COLORED CONCRETE.

**FRAME AND LID ADJUSTING DETAIL INSIDE PAVEMENT AREA**



**NOTE:**  
THIS DETAIL IS FOR TEMPORARY PAVEMENT ABOVE PROPOSED STRUCTURES. THE TEMPORARY PAVEMENT IS REQUIRED UNTIL THE PROPOSED CASTING IS ADJUSTED TO GRADE AFTER THE PROPOSED CONCRETE PATCH IS CONSTRUCTED. THE STEEL PLATE SHALL BE INCLUDED IN THE COST OF THE PROPOSED DRAINAGE STRUCTURE. THE INCIDENTAL SURFACE AND THE AGGREGATE BASE COURSE WILL BE PAID FOR SEPARATELY. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

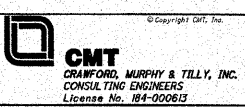
**DETAIL A**



**NOTE:**  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVING AND RESETTING STREET SIGNS, WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, AND PARKING METER POSTS TO BE REMOVED, AND PCC SIDEWALK 6" WILL BE PAID FOR SEPARATELY.

**PARKING METER POST RELOCATION/REMOVAL**

FILE NAME =	USER NAME = Jim Michael	DESIGNED - JMM
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PLOT SCALE = 10.0000 / IN.		CHECKED - JMM
PLOT DATE = 10/18/2010		DATE - 10/15/2010



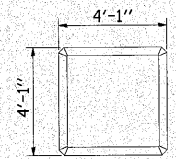
**CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS**

**MISCELLANEOUS DETAILS  
FOURTH STREET IMPROVEMENT  
CHAMPAIGN, ILLINOIS**

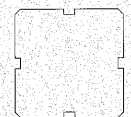
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 91445			ILLINOIS FED. AID PROJECT	

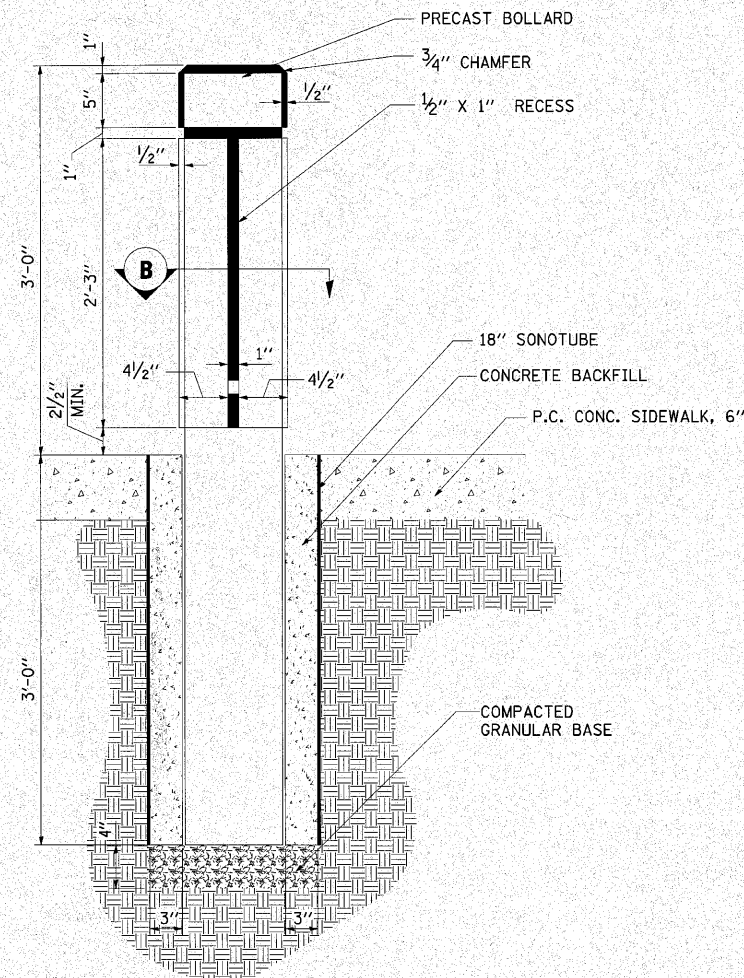




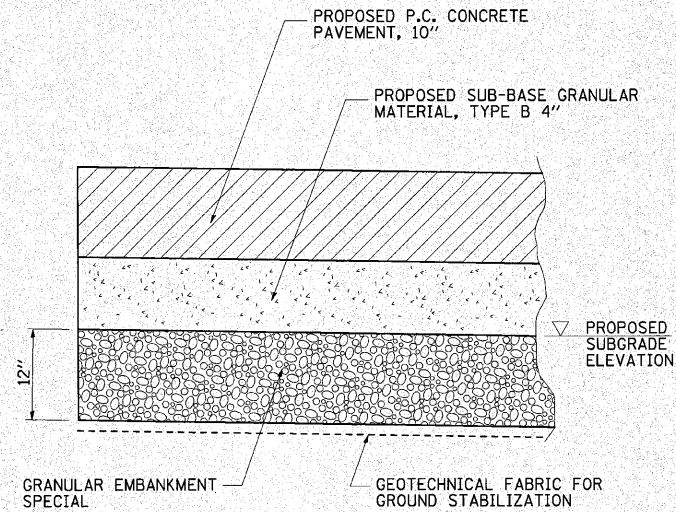
PLAN VIEW



SECTION B



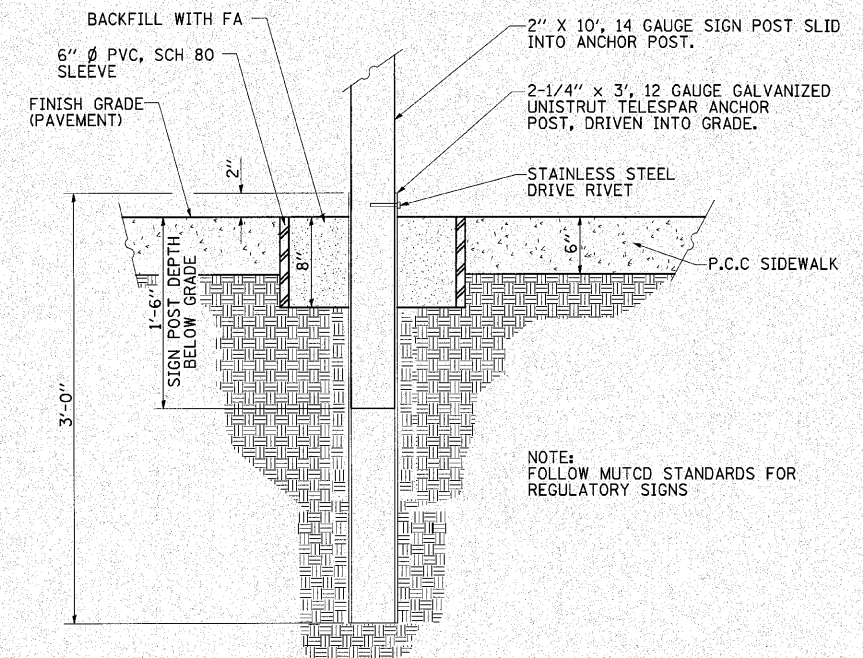
ORNAMENTAL BOLLARD



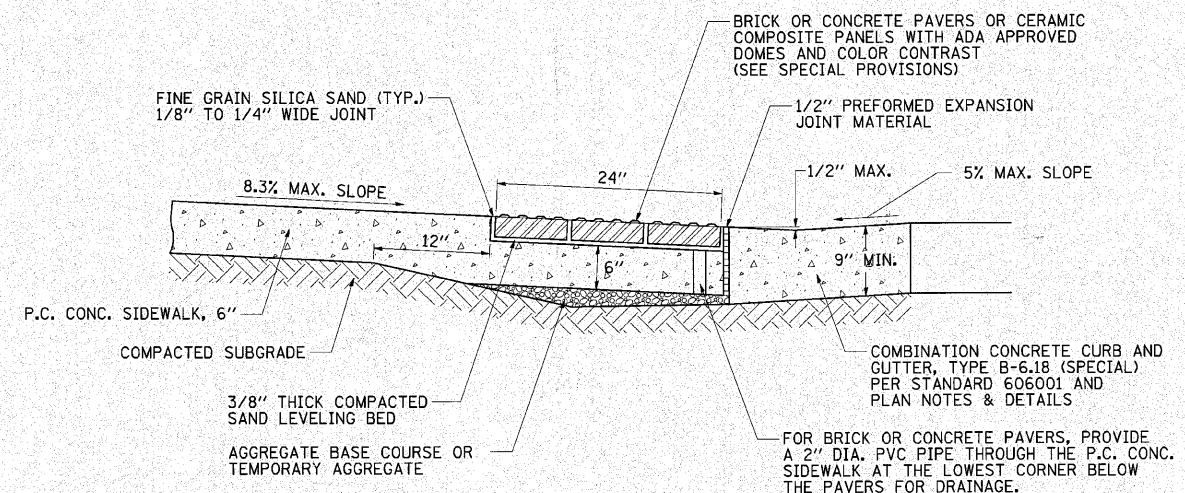
NOTES:

1. THIS WORK SHALL BE CONSTRUCTED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
2. THE WORK SHALL BE IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS. THE GRANULAR EMBANKMENT, SPECIAL WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON. THE GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD. THE EARTH REMOVAL BELOW THE PROPOSED SUBGRADE ELEVATION LINE WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

SUBGRADE REMOVAL AND REPLACEMENT DETAIL



REGULATORY SIGN POST



SIDEWALK RAMP DETAIL

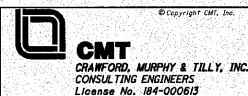
SIDEWALK GENERAL NOTES

- THE COST OF CONSTRUCTING THE DEPRESSED CURB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COST OF FURNISHING AND INSTALLING THE 1/2\"/>

THE DETECTABLE WARNINGS SHALL HAVE A CONTRASTING COLOR APPROVED BY THE ENGINEER AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 424001 AND THE STANDARD SPECIFICATIONS. THE DETECTABLE WARNINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR DETECTABLE WARNINGS.

TRANSVERSE SAWED JOINTS SHALL BE PLACED AT CENTERS EQUAL TO THE SIDEWALK WIDTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 10' UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE 3/4\"/>

FILE NAME =	USER NAME = Jim Michael	DESIGNED =
L:\Champaign\100940\Draw\CADD_Sheets	Miscellaneous_Details1.002.dgn	DRAWN =
	PLOT SCALE = 1/8\"/>	
	PLOT DATE = 11/15/2010	DATE = 10/15/2010



CITY OF CHAMPAIGN  
DEPARTMENT OF PUBLIC WORKS

MISCELLANEOUS DETAILS  
FOURTH STREET IMPROVEMENT  
CHAMPAIGN, ILLINOIS

SCALE: N.T.S. SHEET NO. 55 OF 55 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7171	10-00285-00-SP	CHAMPAIGN	55	55
ILLINOIS FED. AID PROJECT			CONTRACT NO. 91445	