

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8046	09-00465-00-PV	SANGAMON	30	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 93539		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

PROPOSED HIGHWAY PLANS

AMERICAN RECOVERY AND REINVESTMENT ACT

F.A.U. ROUTE 8046 (MEADOWBROOK ROAD)

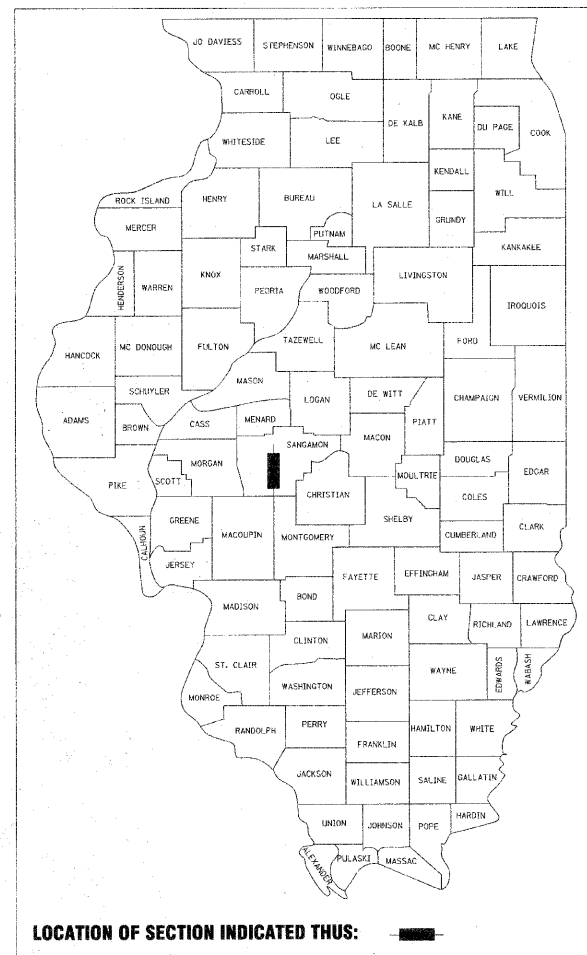
SECTION 09-00465-00-PV

PROJECT NUMBER ARA-5146 (078)

JOB NUMBER C-96-283-10

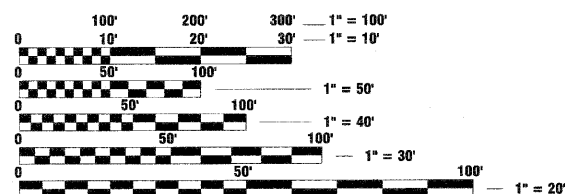
CITY OF SPRINGFIELD, SANGAMON COUNTY

SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES, HIGHWAY STANDARDS AND LEGEND
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-6	SCHEDULE OF QUANTITIES
7	ALIGNMENT, TIES AND BENCHMARKS
8-12	PLAN AND PROFILE
13-15	STAGE CONSTRUCTION AND TRAFFIC CONTROL PLAN
16	EROSION CONTROL PLAN
17-19	INTERSECTION AND ENTRANCE DETAILS
20-21	PAVEMENT MARKING PLAN
22	CONSTRUCTION DETAILS
23-30	ROADWAY CROSS SECTIONS



HIGHWAY STANDARDS (SEE SHEET 2 FOR LISTING)

DESIGN CLASS: TS-2 URBAN COLLECTOR
ADT = 7150 (30)
DESIGN SPEED: 35 MPH

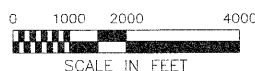
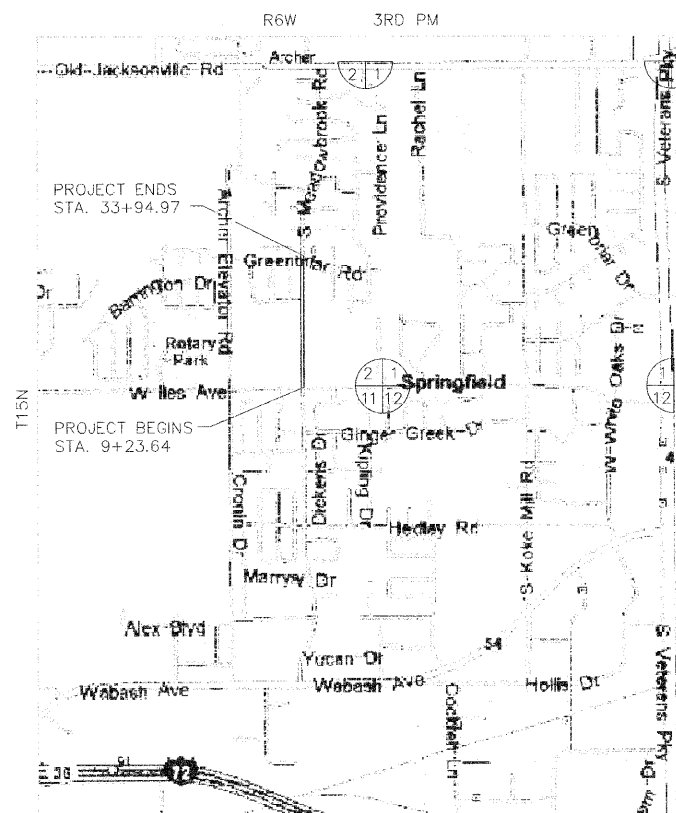


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTACT: TIMOTHY J. SHEEHAN
CITY ENGINEER
CITY OF SPRINGFIELD

CONTRACT NO. 93539



LOCATION MAP

NET LENGTH OF IMPROVEMENT = 2,471.33 L.F. = 0.468 MILES

CONSTRUCTION/RECONSTRUCTION OF MEADOWBROOK ROAD WITH FULL-DEPTH HOT-MIX ASPHALT PAVEMENT FROM ILES AVENUE TO GREENBRIAR ROAD

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

APPROVED 04-20-2010

Anthony J. Sheehan Sr.
CITY ENGINEER

PASSED May 12-2010

Terence W. Furtain, P.E.
DISTRICT SIX ENGINEER OF LOCAL ROADS AND STREETS

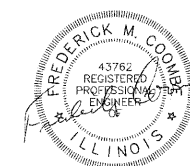
PASSED May 12, 2010

Ron Dechambeau
DISTRICT SIX ENGINEER OF CONSTRUCTION

RELEASING FOR BID BASED ON LIMITED REVIEW May 12, 2010

Roger J. Dinkel, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

ILLINOIS PROFESSIONAL ENGINEER NO. 43762
DATE SIGNED: 4-20-2010
LICENSE EXP. DATE: 11/30/2011



CB Coombe-Bloxdorf P.C.
- CIVIL ENGINEERS -
- STRUCTURAL ENGINEERS -
- LAND SURVEYORS -
Phone: 217/544-8477
Design Firm License No. 184-002703
755 South Grand Ave., Springfield, IL 62704

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY FIELD INVESTIGATION AND SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. UTILITIES SHOWN IN PROFILE ARE PLACED ACCORDING TO THE FOLLOWING: ELECTRIC, PHONE, FIBER OPTICS - 2' COVER, GAS - 3' COVER AND WATER MAIN - 4' COVER. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITIES SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 (TEN) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.E. AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOURS NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWER AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.
- UTILITY POLES, PEDESTALS, FIRE HYDRANTS AND VAULTS IN THE AREA WHERE THE IMPROVEMENT IS TO TAKE PLACE ARE TO BE MOVED OR ADJUSTED, IF NECESSARY, BY THE APPROPRIATE UTILITY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME HE/SHE DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.
- WHERE SECTION STONES OR PROPERTY MARKERS ARE ENCOUNTERED, ALL MARKERS SHALL BE PROTECTED AND PRESERVED UNTIL AN OWNER OR PROFESSIONAL LAND SURVEYOR HAS WITNESSED AND REFERENCED THEIR LOCATION.
- WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE 'STANDARD SPECIFICATIONS', IT IS UNDERSTOOD TO INCLUDE THE 'SUPPLEMENTAL SPECIFICATIONS' INCLUDED IN THE PROPOSAL.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- ONLY THOSE TREES INDICATED IN THE PLANS TO BE REMOVED SHALL BE REMOVED. ALL TREES AND SHRUBS INDICATED ON THE PLANS FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE.
- WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT BUTT JOINT. SAW CUTS WILL NOT BE PAID FOR SEPARATELY. COST OF SAW CUTS SHALL BE INCLUDED IN THE TYPE OF WORK ENCOUNTERED.
- TRAFFIC SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL BE RESET BEFORE THE ROADWAY IS OPEN TO TRAFFIC. COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF EARTH EXCAVATION.
- THE CONTRACTOR SHALL COMPLY WITH THE ENVIRONMENTAL PROTECTION AGENCY (E.P.A.) REGULATIONS WHICH APPLY TO THE STORM SEWER CONSTRUCTION REGARDING THE HORIZONTAL AND VERTICAL SEPARATION OF A STORM SEWER LINE FROM ANY EXISTING WATERMAIN. AT LOCATIONS WHERE THE SEPARATION IS INADEQUATE, CITY WATER LIGHT AND POWER (C.W.L.P.) SHALL ADJUST THE WATERMAIN TO PROVIDE THE REQUIRED SEPARATION OR THE STORM SEWER SHALL BE CONSTRUCTED OF THE MATERIAL SPECIFIED IN THE E.P.A. REGULATIONS.
- THE ELEVATIONS AND EXACT SIZE OF ALL EXISTING WATERMAINS AND SANITARY SEWERS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION OF EACH RUN OF STORM SEWER TRUNK LINE OR LATERAL LINE WITHIN WHICH A CROSSING OF EITHER OR BOTH TYPES OF THESE EXISTING UTILITIES IS TO BE ENCOUNTERED. THE CONTRACTOR SHALL THEN DETERMINE WHICH OF THE ABOVE OPTIONS HE WILL USE TO RESOLVE THE CONFLICT BETWEEN THE PROPOSED STORM SEWER AND THE EXISTING UTILITY. THE APPROVAL OF THE RESIDENT ENGINEER AND THE SUPERINTENDENT OF THE UTILITY SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION OF THIS SEGMENT OF STORM SEWER.
- FOR INLETS AND MANHOLES CONSTRUCTED IN CONJUNCTION TO THE CURB/GUTTER, THE OFFSET DISTANCE SHOWN ON THE PLANS IS FROM THE CENTERLINE OF CONSTRUCTION TO THE CENTER OF THE STRUCTURE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT EACH INLET OR MANHOLE AT THE PROPOSED LOCATION SO THAT THE FRAME MATCHES THE CURB LINE.
- CA-6 GRANULAR CRADLE CONSISTS OF BEDDING AND HAUNCHING. IT SHALL BE PLACED IN ACCORDANCE WITH SECTION 20-2.20 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, MAY, 1996, FIFTH EDITION. IT WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR STORM SEWER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. INITIAL BACKFILL AND FINAL BACKFILL SHALL CONSIST OF CA-6 AND SHALL BE PLACED IN ACCORDANCE WITH SECTION 20-2.21 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, MAY 1996, FIFTH EDITION. THIS WILL BE MEASURED FOR PAYMENT ACCORDING TO THE MAXIMUM WIDTH FOR PAYMENT AND WILL BE PAID FOR AS TRENCH BACKFILL.
- ADDITIONAL DEPTH REQUIRED IN DRAINAGE STRUCTURES DUE TO CONFLICTS WITH OTHER UTILITY LINES WILL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR DRAINAGE STRUCTURES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED WITH THE COST OF STORM SEWER.
- FRAMES AND GRATES ON EXISTING STRUCTURES, PIPE CULVERTS AND WATER MAIN WHICH ARE TO BE REMOVED, ABANDONED, OR WHICH OTHERWISE ARE NOT INCORPORATED INTO THE IMPROVEMENT SHALL BECOME THE PROPERTY OF THE CITY OF SPRINGFIELD. THE CONTRACTOR SHALL STORE THE FRAMES AND GRATES WITHIN THE RIGHT OF WAY AT LOCATIONS DESIGNATED BY THE ENGINEER.
- THE COST OF ADDITIONAL LABOR AND MATERIALS NOT ACCOUNTED FOR ON THE PLANS, WHICH MIGHT BE INVOLVED IN CONNECTING EXISTING DRAIN TILE OR STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES, SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER OR STORM STRUCTURE.
- MAXIMUM HEIGHT OF ADJUSTING RINGS ALLOWED ON ANY STRUCTURE IS 6".
- EXISTING CONCRETE SIGN BASES AND OTHER MISCELLANEOUS CONCRETE NOT SPECIFICALLY SHOWN ON THE PLANS, BUT INTERFERING WITH PROPOSED CONSTRUCTION, SHALL BE REMOVED. COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- THE REMOVAL OF HOT-MIX ASPHALT SURFACING NOT ON RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.
- WHENEVER IT IS NECESSARY TO REMOVE BITUMINOUS AGGREGATE MIXTURE, OIL AND CHIP SURFACE, EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, IT SHALL BE REMOVED AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.
- SEE SHEET 17 FOR EROSION CONTROL NOTES.
- THE FOLLOWING APPLICATION RATES WERE USED IN CALCULATING QUANTITIES:

NITROGEN FERTILIZER NUTRIENTS	90 POUNDS/ACRE
PHOSPHORUS FERTILIZER NUTRIENTS	90 POUNDS/ACRE
POTASSIUM FERTILIZER NUTRIENTS	90 POUNDS/ACRE
AGRICULTURAL GROUND LIMESTONE	2 TONS/ACRE
TEMPORARY EROSION CONTROL SEEDING (5 APPLICATIONS)	100 POUNDS/ACRE
LIME	0.02 TONS/SQ YD
HOT-MIX ASPHALT SURFACES	0.056 TONS/SQ YD-INCH

LEGEND

- IRON PIN SET
- △ SET SPIKE NAIL
- EX POWER POLE
- EX POWER POLE WITH TRANSFORMER
- EX POWER POLE WITH LIGHT
- EX ORNAMENTAL STREET LIGHT
- EX GUY WIRE
- EX TELEPHONE SPLICE BOX
- EX SIGN
- EX RIGHT OF WAY MARKER
- EX MAILBOX
- EX FIRE HYDRANT
- EX WATER VALVE
- EX GAS VALVE
- EX ELECTRIC BOX
- EX IRRIGATION CONTROL VALVE
- EX MANHOLE
- EX INLET
- EX FLARED END SECTION
- EX FLOODLIGHT
- EX DECIDUOUS TREE
- EX CONIFEROUS TREE
- EX CONTOUR
- EX SANITARY SEWER
- EX STORM SEWER
- W — EX WATER MAIN
- G — EX GAS LINE
- FO — EX FIBER OPTIC LINE
- T — EX BURIED TELEPHONE LINE
- OHE — EX OVERHEAD ELECTRIC LINE
- UGE — EX UNDERGROUND ELECTRIC LINE
- IC — EX IRRIGATION CONTROL
- U — EX 4" PVC UNDERDRAIN
- X — EX FENCE
- ST — PR STORM SEWER
- PR STORM INLET
- PR STORM MANHOLE
- ▽ PR FLARED END SECTION

SEE SHEETS 8-12 FOR REMOVAL LEGEND
 SEE SHEET 17 FOR EROSION CONTROL AND SEEDING NOTES

STANDARDS

- 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602301-03 INLET, TYPE A
- 602306-03 INLET, TYPE B
- 602401-03 MANHOLE, TYPE A
- 602406-04 MANHOLE, TYPE A, 1.8 m (6") DIAMETER
- 602601-02 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 MANHOLE STEPS
- 604001-03 FRAME AND LIDS, TYPE 1
- 604006-04 FRAME AND GRATE, TYPE 3
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701006-03 OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701701-07 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-04 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 720006-02 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
- 729001-01 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- BLR 21-8 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

SPECIFICATIONS

SPECIFICATIONS SHALL BE THOSE OF THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007, AND THE SUPPLEMENTARY SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2010.

STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, SIXTH ADDITION, ADOPTED JULY, 2009.

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2003 EDITION INCLUDING REVISION 1 DATED NOVEMBER, 2004 AND THE ILLINOIS SUPPLEMENT (MUTCD).

UTILITY CONTACTS

CITY WATER, LIGHT AND POWER - WATER DEPT.
 401 N. 11th STREET
 SPRINGFIELD, IL 62702
 ATTENTION: STEVE STEWART (217) 789-2022

CITY WATER, LIGHT AND POWER - ELECTRIC DEPT.
 1008 EAST MILLER
 SPRINGFIELD, IL 62702
 ATTENTION: ROLEEN THOELE (217) 757-8520

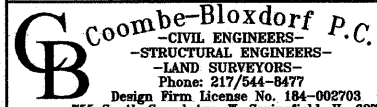
AT&T
 529 S. SEVENTH STREET
 FLOOR 3B
 SPRINGFIELD, IL 62721
 ATTENTION: RICH WEINGAND (217) 789-8227

AMEREN CILCO
 825 N. MACARTHUR BLVD
 SPRINGFIELD, IL 62702
 ATTENTION: RICK COMBS (GAS) (217) 753-5187

COMCAST
 711 S. DIRKSEN PARKWAY
 SPRINGFIELD, IL 62703
 ATTENTION: DAVID BLY (217) 527-2967

SPRINGFIELD METRO SANITARY DISTRICT
 3017 N. 8th STREET ROAD
 SPRINGFIELD, IL 62707
 ATTENTION: GREGG HUMPHREY (217) 528-0491

OFFICE OF PUBLIC WORKS
 ROOM 201, MUNICIPAL CENTER WEST
 SPRINGFIELD, IL 62701
 ATTENTION: MIKE WALLNER (217) 789-2260

SHEET TITLE		GENERAL NOTES, HIGHWAY STANDARDS & LEGEND	
PROJECT	FAU RTE. 8046 (MEADOWBROOK ROAD)	PROJECT NO.	09040
SCALE		DATE	4/19/10
DRAWN BY	PPW	CHECKED BY	
SECTION 09-00465-00-PV CITY OF SPRINGFIELD SANGAMON COUNTY		DRAWING NO.	2
 Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W. Springfield, IL 62704		OF 30 SHTS	

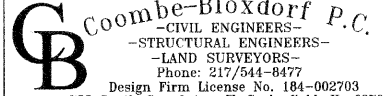
SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	170
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	192
20200100	EARTH EXCAVATION	CU YD	7295
20800150	TRENCH BACKFILL	CU YD	137
21101615	TOPSOIL FURNISH AND PLACE 4"	SQ YD	3883
25000210	SEEDING, CLASS 2A	ACRE	0.8
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	72
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	72
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	72
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.6
25100115	MULCH, METHOD 2	ACRE	0.8
25100630	EROSION CONTROL BLANKET	SQ YD	244
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	813
28000400	PERIMETER EROSION BARRIER	FOOT	3525
28000500	INLET AND PIPE PROTECTION	EACH	1
28000510	INLET FILTERS	EACH	30
28100107	STONE RIPRAP, CLASS A4	SQ YD	16
28200200	FILTER FABRIC	SQ YD	16
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	12482
30201500	LIME	TON	250
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	1817
40701851	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/2"	SQ YD	11107
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	1721
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	84
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	251
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	21708
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	144
42400800	DETECTABLE WARNINGS	SQ FT	236
44000100	PAVEMENT REMOVAL	SQ YD	2338
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	405
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	333
44000600	SIDEWALK REMOVAL	SQ FT	790
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12" (RCCP)	FOOT	701
550A0070	STORM SEWERS, CLASS A, TYPE 1, 15" (RCCP)	FOOT	98
550A0090	STORM SEWERS, CLASS A, TYPE 1, 18" (RCCP)	FOOT	186
550A0340	STORM SEWERS, CLASS A, TYPE 2, 12" (RCCP)	FOOT	158
550A0380	STORM SEWERS, CLASS A, TYPE 2, 18" (RCCP)	FOOT	688
55100500	STORM SEWER REMOVAL 12"	FOOT	4
SP 60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7
SP 60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2
SP 60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	16
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	12

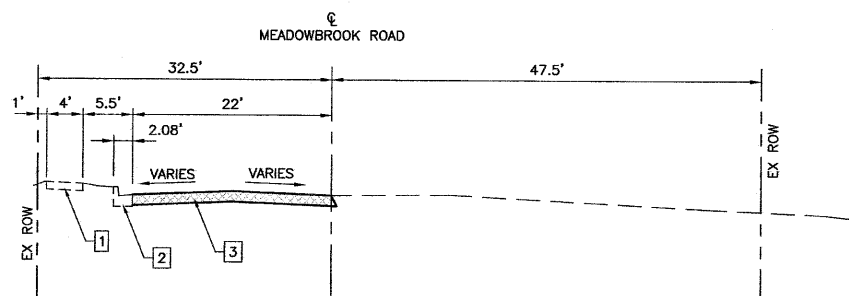
SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
60500060	REMOVING INLETS	EACH	1
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	2
60600605	CONCRETE CURB, TYPE B	FOOT	25
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	116
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	4431
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	54
67100100	MOBILIZATION	L SUM	1
SP 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	800
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	7377
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	529
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	532
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	42
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4252
72000100	SIGN PANEL - TYPE 1	SQ FT	56
72900110	METAL POST - TYPE A	EACH	6
SI 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	16898
SI 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1293
SI 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1103
SI 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	143
SI 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LETTERS AND SYMBOLS	SQ FT	700
78300100	PAVEMENT MARKING REMOVAL	SQ FT	475
SP 6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2
SP 6056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	47
SP 60013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	470
SP XX005661	REMOVE AND RELOCATE SIGN NO. 1	EACH	1
SP XX005662	REMOVE AND RELOCATE SIGN NO. 2	EACH	1
SP Z0013798	CONSTRUCTION LAYOUT	L SUM	1
SP Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	484
SP 44213198	TIE BARS 1/2"	EACH	12

SP SEE SPECIAL PROVISIONS
SI SPECIALTY ITEMS

SHEET TITLE		SUMMARY OF QUANTITIES	
PROJECT	FAU RTE. 8046 (MEADOWBROOK ROAD)	PROJECT NO.	09040
	SECTION 09-00465-00-PV	SCALE	
	CITY OF SPRINGFIELD	DATE	4/19/10
	SANGAMON COUNTY	DRAWN BY	CFC
		CHECKED BY	
 Coombe-Bloxdorf P.C. - CIVIL ENGINEERS - - STRUCTURAL ENGINEERS - - LAND SURVEYORS - Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave., W. Springfield, IL 62704		DRAWING NO.	3
		OF 30	SHTS

EXISTING TYPICAL SECTION
 STA 9+23.64 TO STA 10+81.14 IS
 INTERSECTION OF ILES AVENUE AND
 WILL GET NEW COMBINATION CONCRETE
 CURB AND GUTTER TYPE B-6.18 AND
 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 10"
 ON SUB-BASE GRANULAR MATERIAL, TYPE A 12"



EXISTING TYPICAL SECTION
 MEADOWBROOK ROAD
 STA 10+81.14 TO STA 16+42.00

EXISTING TYPICAL SECTION
 MEADOWBROOK ROAD
 STA 16+42.00 TO STA 33+11.34
 NO EXISTING ROAD

EXISTING LEGEND

- 1 EX SIDEWALK TO REMAIN
- 2 EX CURB AND GUTTER TO REMAIN
- 3 EX PAVEMENT TO BE REMOVED

MEADOWBROOK ROAD STA 9+23.64 TO STA 10+81.14

FULL DEPTH PAVEMENT CONSTRUCTION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS				
ITEM	AGGREGATE COMPOSITION	ASPHALT GRADE	ALLOWABLE RAP	VOIDS
LOWER LIFT BINDER 8"	IL-19.0 OR 25.0	PG 64-22	TBD	4% @ N70
SURFACE COURSE 2"	IL-9.5 OR 12.5 MIX "D"	PG 64-22	TBD	4% @ N70

HMA STRUCTURE DESIGN INFORMATION

DESIGN TRAFFIC (10,300): (2027)
 P.V. = 9,476 S.U. = 721 M.U. = 103
 T.F. = 1.32 (80K)
 DESIGN STRAIN = 97.5
 E = 540 (P.G. 64-22)
 SSR : FAIR
 TOTAL THICKNESS : 10" FULL DEPTH HMA
 CONSTRUCT : 2" HOT-MIX ASPHALT SURFACE
 8" HOT-MIX ASPHALT BINDER

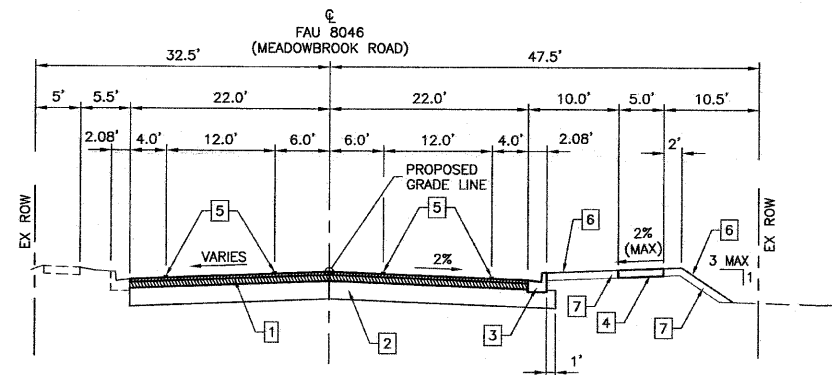
MEADOWBROOK ROAD STA 10+81.14 TO STA 33+11.34

FULL DEPTH PAVEMENT CONSTRUCTION

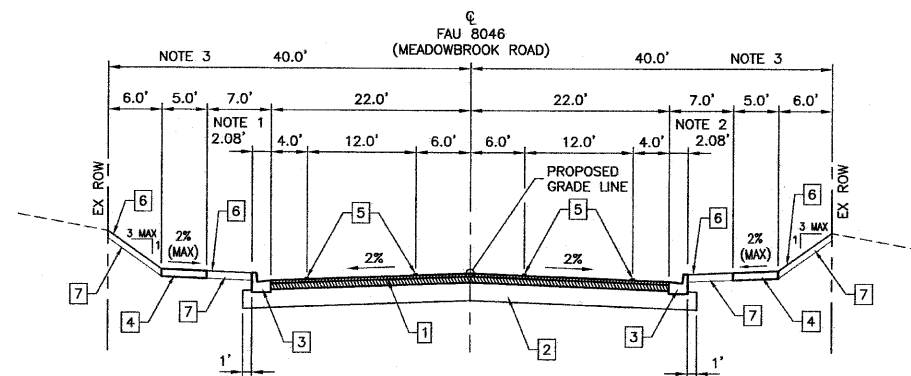
HOT-MIX ASPHALT MIXTURE REQUIREMENTS				
ITEM	AGGREGATE COMPOSITION	ASPHALT GRADE	ALLOWABLE RAP	VOIDS
LOWER LIFT BINDER 4"	IL-19.0	PG 64-22	TBD	4% @ N50
TOP LIFT BINDER 2 1/2"	IL-19.0	SBS PG 70-22	TBD	4% @ N50
SURFACE COURSE 2"	IL-9.5 OR 12.5 MIX "C"	SBS PG 70-22	TBD	4% @ N50

HMA STRUCTURE DESIGN INFORMATION

DESIGN TRAFFIC (1,405): (2020)
 P.V. = 1,377 S.U. = 14 M.U. = 14
 T.F. = 0.07
 DESIGN STRAIN = 333
 E = 526 (P.G. 70-22 OR P.G. 64-22)
 SSR : POOR
 TOTAL THICKNESS : 8 1/2" FULL DEPTH HMA
 CONSTRUCT : 2" HOT-MIX ASPHALT SURFACE
 6 1/2" HOT-MIX ASPHALT BINDER



PROPOSED TYPICAL SECTION
 MEADOWBROOK ROAD
 STA 10+81.14 TO STA 16+41.97



PROPOSED TYPICAL SECTION
 MEADOWBROOK ROAD
 STA 16+41.97 TO STA 33+11.34

PROPOSED LEGEND

- 1 HMA PAVEMENT (FULL-DEPTH) 8 1/2"
- 2 PR LIME MODIFIED SOIL MIXTURE 12"
- 3 PR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- 4 PR PORTLAND CEMENT CONCRETE SIDEWALK 4"
- 5 PR THERMOPLASTIC PAVEMENT MARKING
- 6 PR SEEDING, CLASS 2A AND MULCH, METHOD 2
- 7 PR TOPSOIL FURNISH AND PLACE, 4"

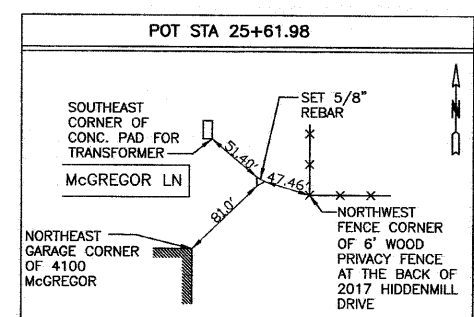
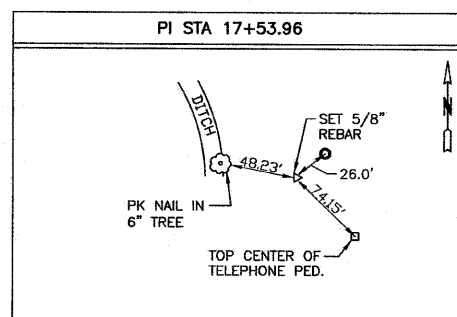
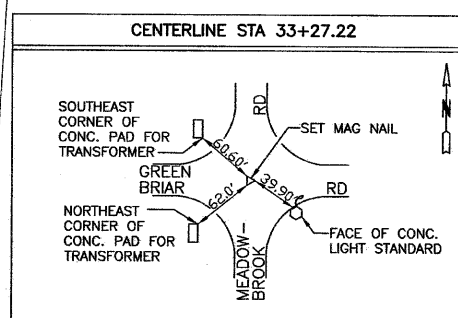
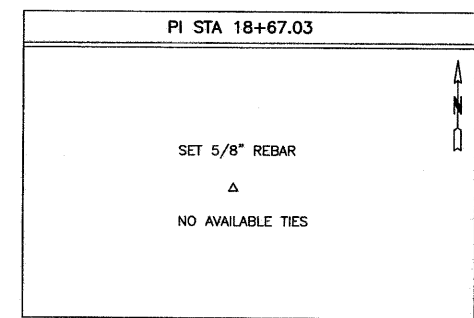
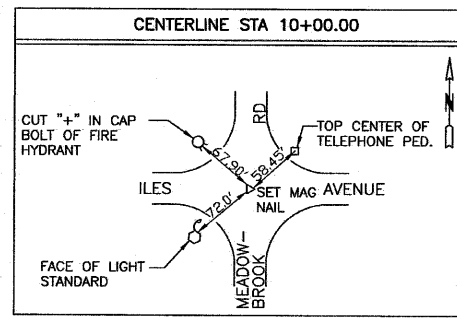
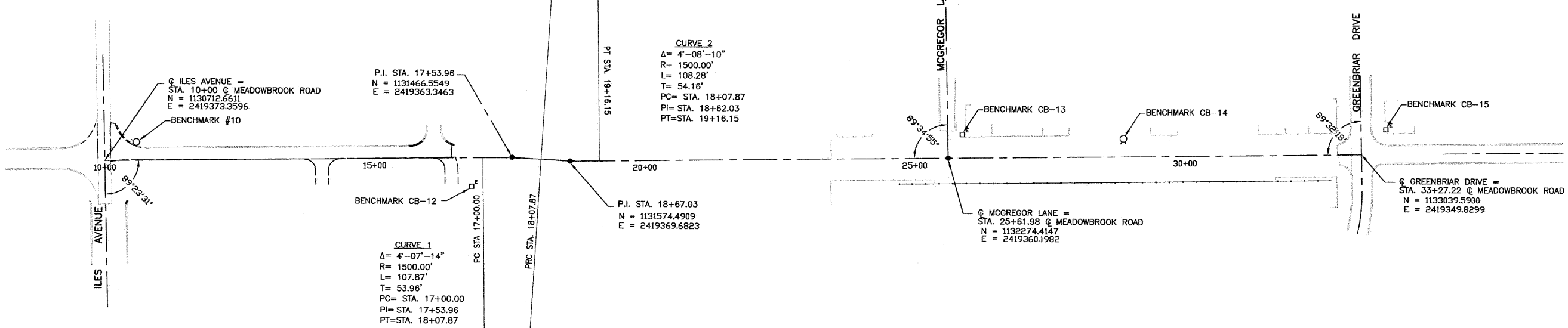
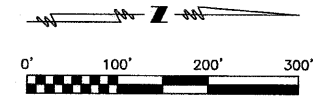
NOTE 1: SIDEWALK EDGE IS 4.25'
 OFF EDGE OF PAVEMENT FROM
 STA 16+55.62 TO STA 18+24.44
 AND VARIES FROM 4.25' TO 7.0'
 OFF EDGE OF PAVEMENT FROM
 STA 18+24.44 TO STA 19+16.15

NOTE 2: SIDEWALK EDGE IS 10.00'
 OFF EDGE OF PAVEMENT TO
 STA 18+22.44 AND VARIES FROM
 10.0' TO 7.0' OFF EDGE OF
 PAVEMENT FROM STA 18+22.44
 TO STA 19+16.15

NOTE 3: STA 17+00.00 TO STA 19+16.15
 ROW TRANSITION FROM 32.50'
 LEFT TO 40.00' LEFT AND FROM
 47.50' RIGHT TO 40.00' RIGHT.
 ROADWAY AND CURBS REMAIN
 SYMMETRICAL ABOUT CENTERLINE

2"	SURFACE LIFT	
2 1/2"	TOP LIFT BINDER	HMA PAVEMENT (FULL-DEPTH) 8 1/2"
4"	LOWER LIFT BINDER	
12"	IMPROVED SUBGRADE	

SHEET TITLE		
TYPICAL SECTIONS		
PROJECT FAU RTE. 8046 (MEADOWBROOK ROAD)	PROJECT NO. 09040	DATE 4/19/10
SECTION 09-00465-00-PV CITY OF SPRINGFIELD SANGAMON COUNTY		DRAWN BY PPW
Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704		4
		OF 30 SHTS



BENCHMARKS

BENCHMARK	STATION / OFFSET	LOCATION / DESCRIPTION	ELEVATION
10	STA. 10+59 / 33' LT	NW CAP BOLT ON FIRE HYDRANT, NW COR. OF ILES AVE. & MEADOWBROOK RD.	608.20
CB-12	STA. 16+80 / 53' RT	CHISELED "C" NW COR. CONC. FOUNDATION ELECTRIC TRANSFORMER PAD NEAR NW COR. KNIGHTS OF COLUMBUS PROPERTY.	604.99
CB-13	STA. 25+89 / 44' LT	CHISELED "C" SE COR. CONC. FOUNDATION ELECTRIC TRANSFORMER PAD NORTH SIDE MCGREGOR LN. AT MEADOWBROOK RD.	613.58
CB-14	STA. 28+87 / 34' LT	N. CAP BOLT ON FIREHYDRANT W SIDE MEADOWBROOK RD. BETWEEN MCGREGOR LN. & GREENBRIAR RD.	611.69
CB-15	STA. 33+78 / 48' LT	CHISELED "C" NE COR. CONC. FOUNDATION ELECTRIC TRANSFORMER PAD NW CORNER MEADOWBROOK RD. & GREENBRIAR RD.	607.04

SHEET TITLE
ALIGNMENT, TIES AND BENCHMARKS

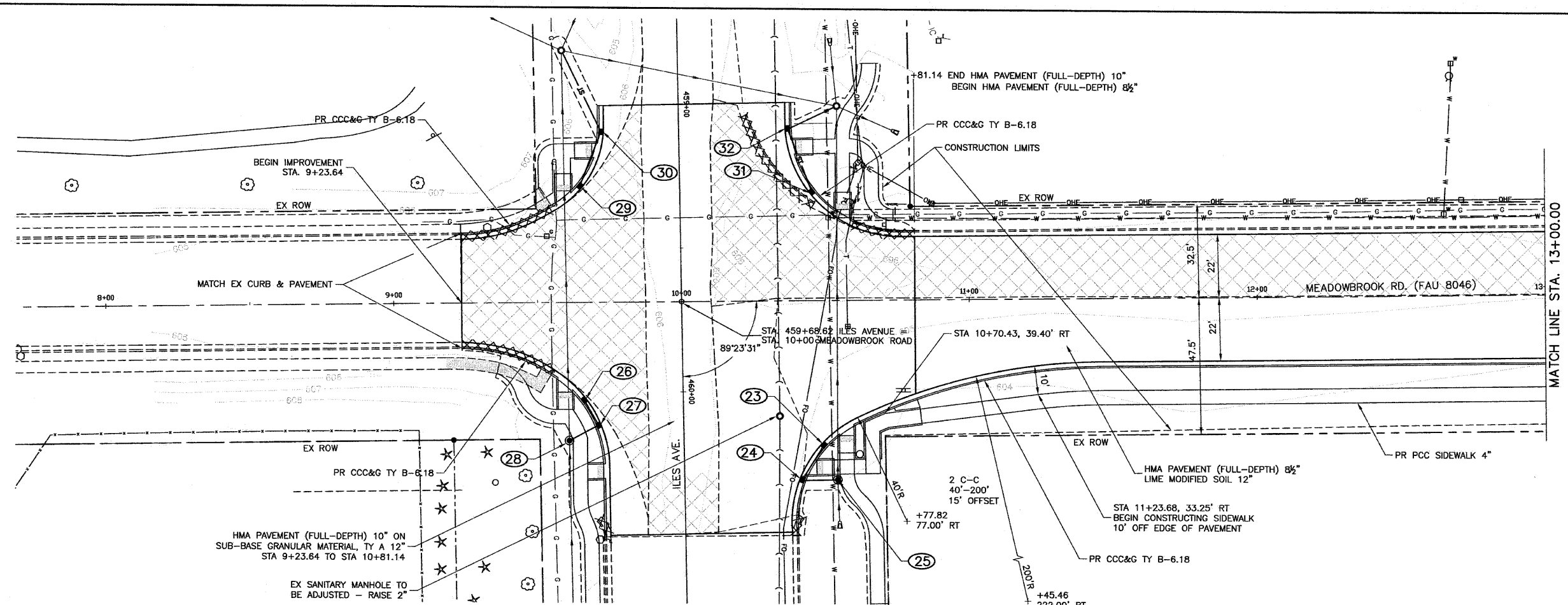
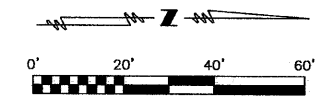
PROJECT
 FAU RTE. 8046 (MEADOWBROOK ROAD)
 SECTION 09-00465-00-PV
 CITY OF SPRINGFIELD
 SANGAMON COUNTY

PROJECT NO. 09040
SCALE 1"=100'
DATE 4/19/10
DRAWN BY
CHECKED BY
ISSUED BY

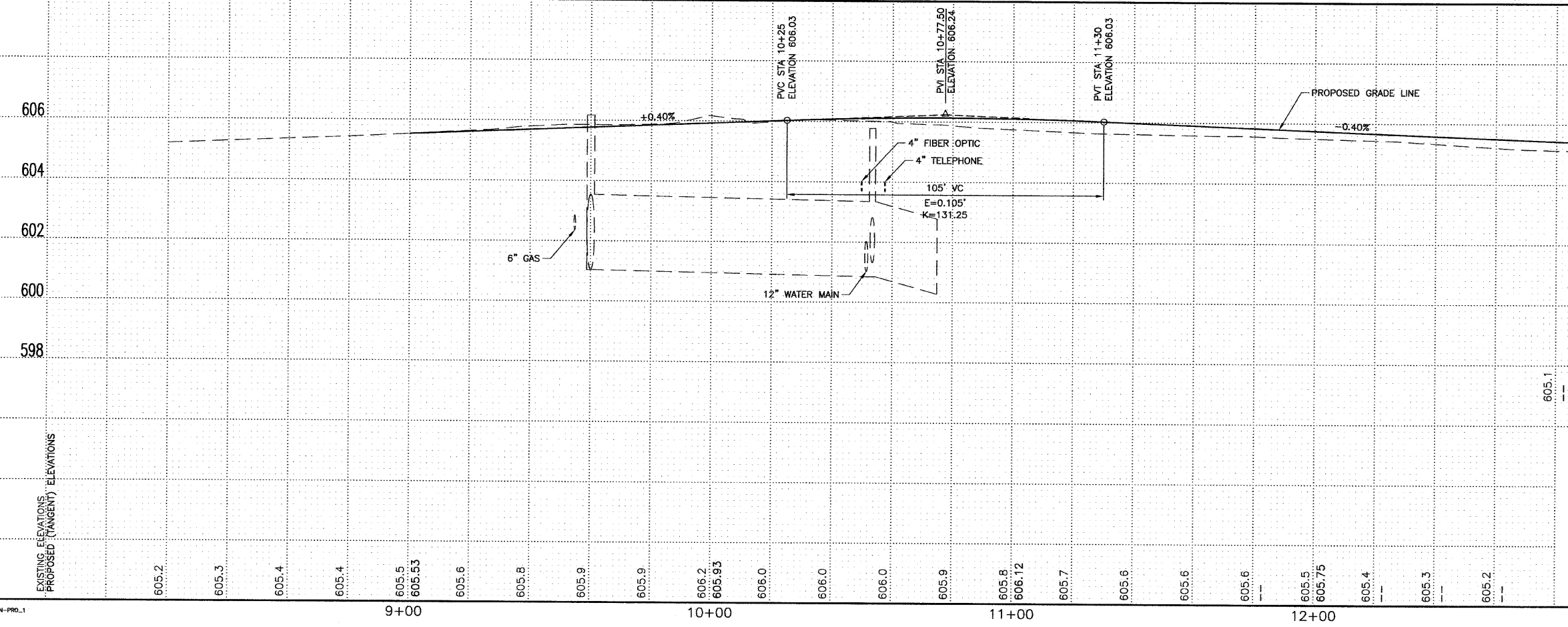
7

OF 30 SHEETS

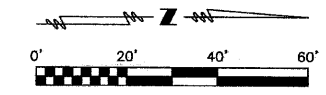
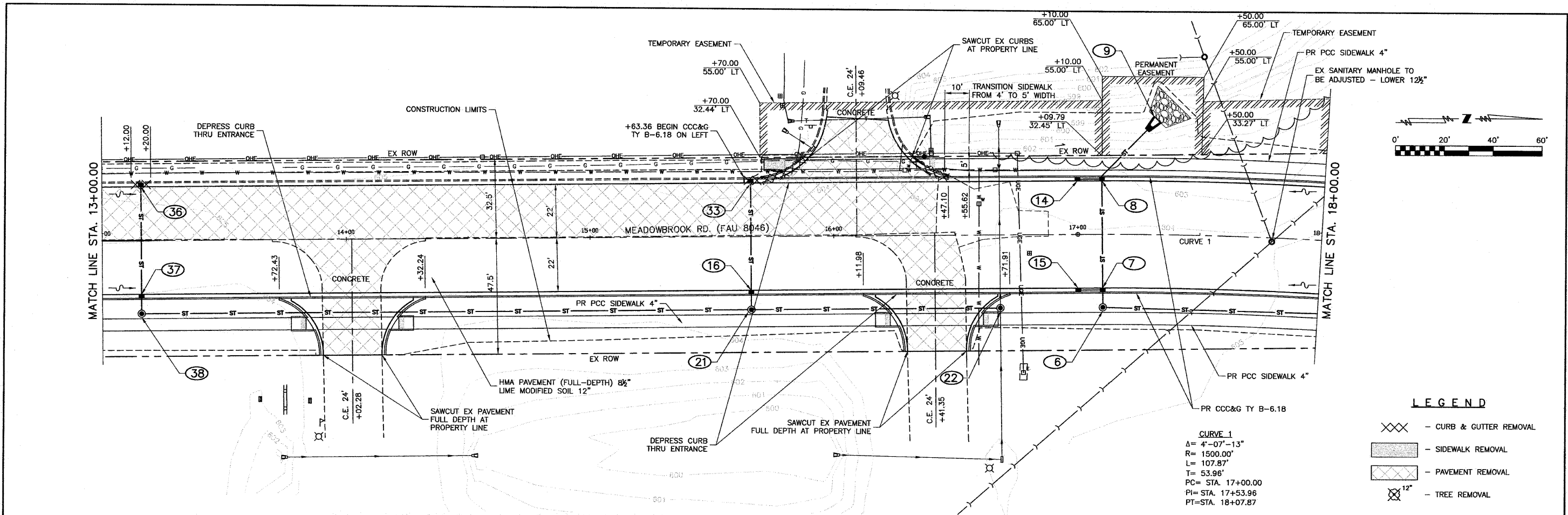
Coombe-Bloxdorf P.C.
 -CIVIL ENGINEERS-
 -STRUCTURAL ENGINEERS-
 -LAND SURVEYORS-
 Phone: 217/544-8477
 Design Firm License No. 184-002703
 755 South Grand Ave. W, Springfield, IL 62704



- LEGEND**
- XXXX - CURB & GUTTER REMOVAL
 - ▨ - SIDEWALK REMOVAL
 - ▩ - PAVEMENT REMOVAL



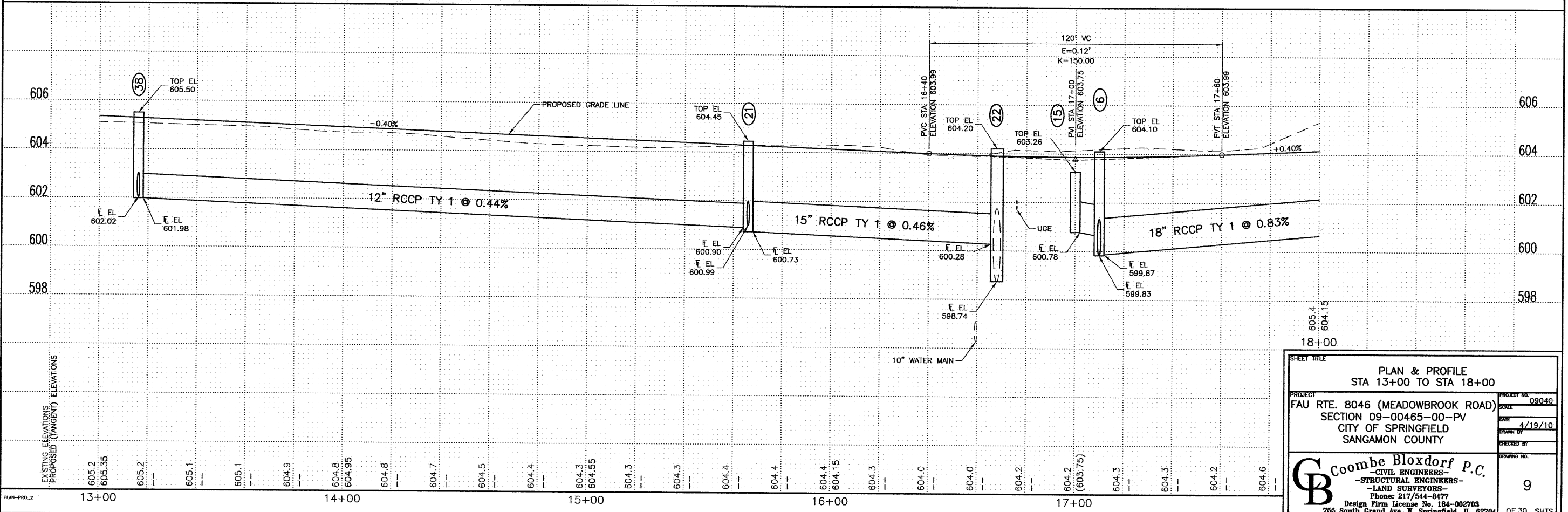
SHEET TITLE	
PLAN & PROFILE STA 10+00 TO STA 13+00	
PROJECT	PROJECT NO.
FAU RTE. 8046 (MEADOWBROOK ROAD)	09040
SECTION 09-00465-00-PV	SCALE
CITY OF SPRINGFIELD	DATE
SANGAMON COUNTY	4/19/10
	DRAWN BY
	CHECKED BY
	DRAWING NO.
	8
Coombe Bloxdorf P.C. - CIVIL ENGINEERS - - STRUCTURAL ENGINEERS - - LAND SURVEYORS - Phone: 217/644-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704	
PLAN-PRO_1	OF 30 SHTS



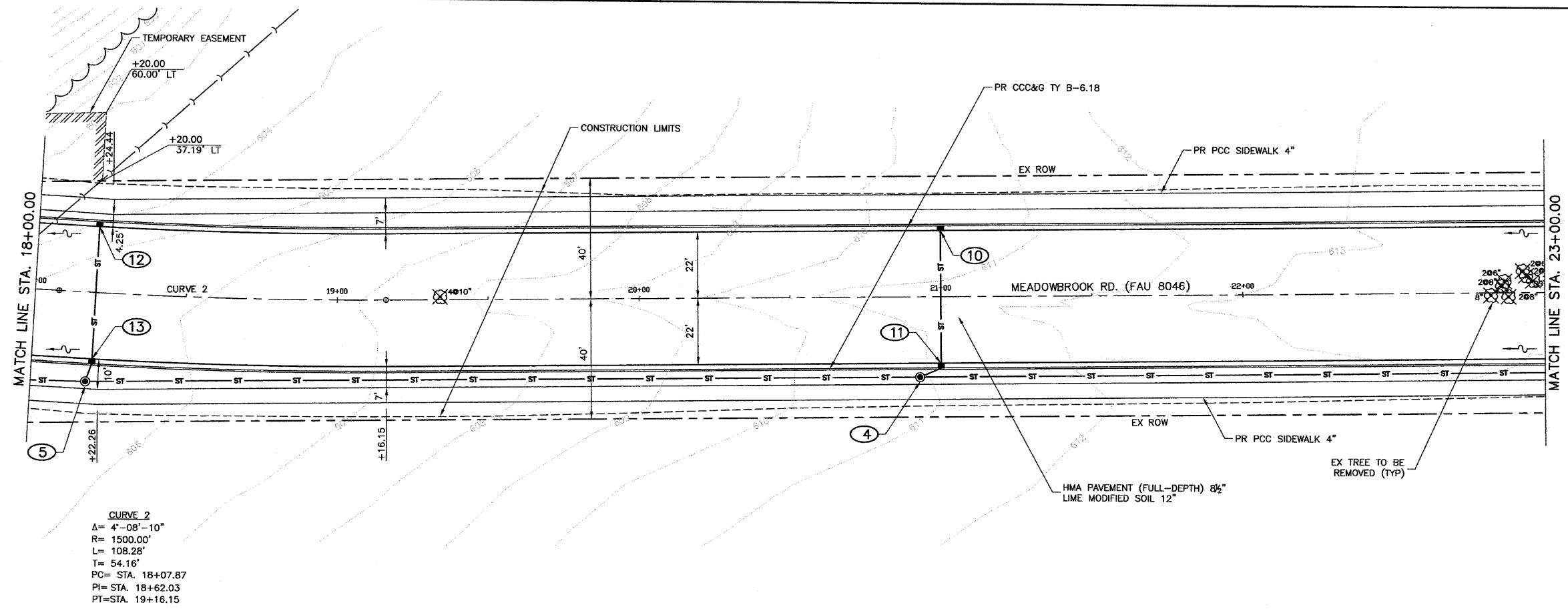
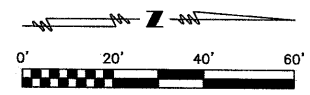
LEGEND

- CURB & GUTTER REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- TREE REMOVAL

CURVE 1
 $\Delta = 4^{\circ}-07'-13''$
 $R = 1500.00'$
 $L = 107.87'$
 $T = 53.96'$
 $PC = STA. 17+00.00$
 $PI = STA. 17+53.96$
 $PT = STA. 18+07.87$



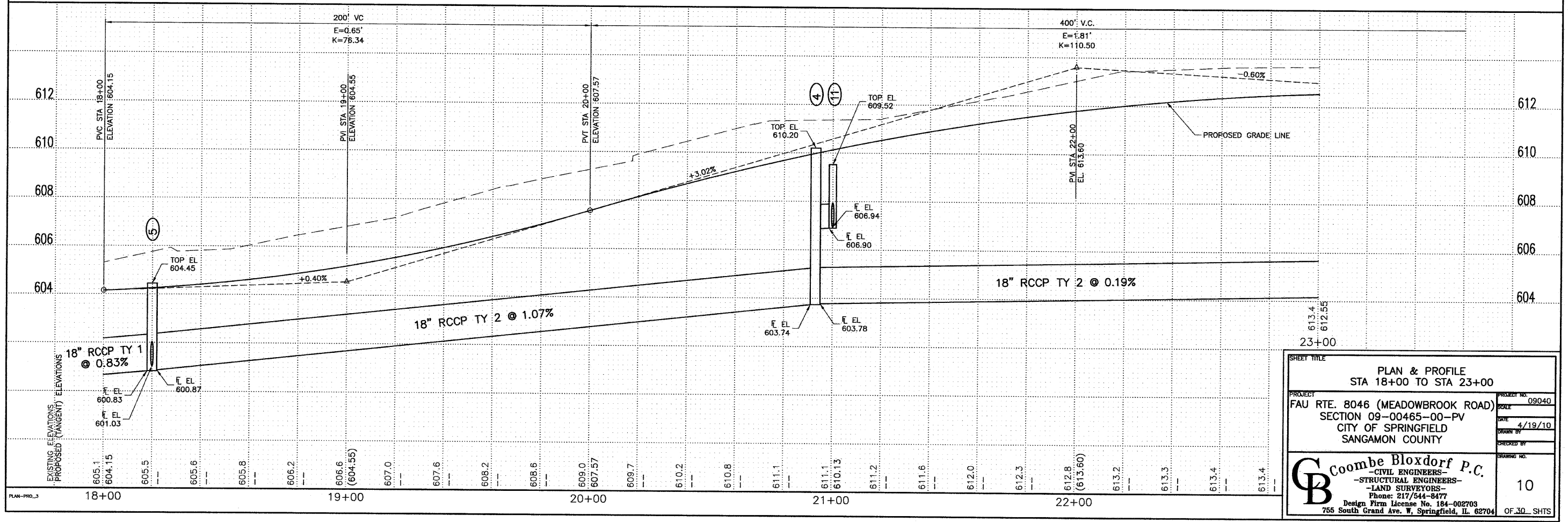
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PLAN & PROFILE STA 13+00 TO STA 18+00	
PROJECT	PROJECT NO.
FAU RTE. 8046 (MEADOWBROOK ROAD)	09040
SECTION 09-00465-00-PV	DATE
CITY OF SPRINGFIELD	4/19/10
SANGAMON COUNTY	DRAWN BY
	CHECKED BY
	DATE
Coombe Bloxdorf P.C. - CIVIL ENGINEERS - - STRUCTURAL ENGINEERS - - LAND SURVEYORS - Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704	
9	OF 30 SHEETS



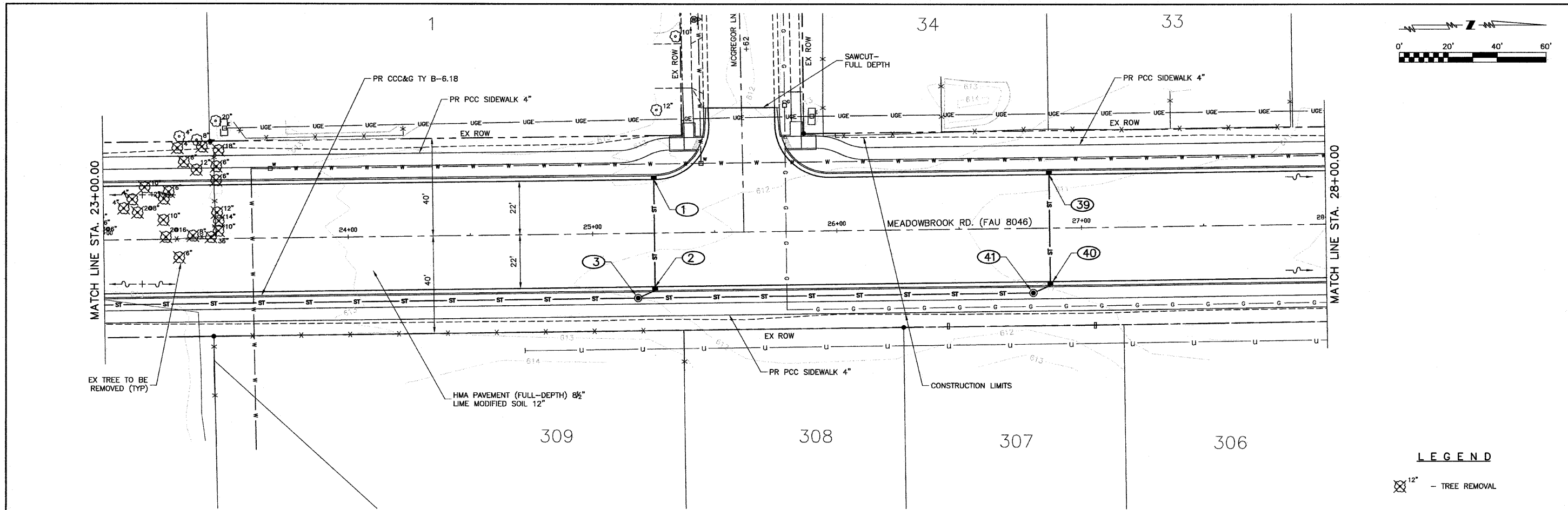
CURVE 2
 $\Delta = 4^{\circ}-08'-10''$
 $R = 1500.00'$
 $L = 108.28'$
 $T = 54.16'$
 $PC = STA. 18+07.87$
 $PI = STA. 18+62.03$
 $PT = STA. 19+16.15$

LEGEND

- TREE REMOVAL

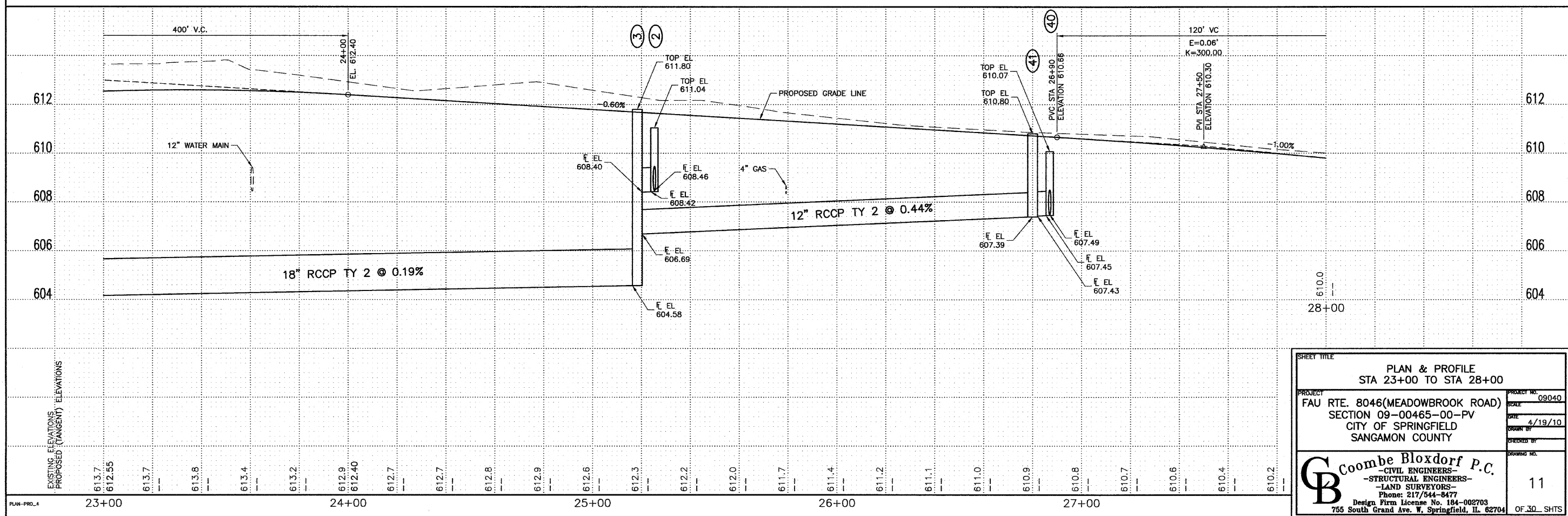


SHEET TITLE	
PLAN & PROFILE STA 18+00 TO STA 23+00	
PROJECT	PROJECT NO.
FAU RTE. 8046 (MEADOWBROOK ROAD)	09040
SECTION 09-00465-00-PV	DATE
CITY OF SPRINGFIELD	4/19/10
SANGAMON COUNTY	DRAWN BY
	CHECKED BY
	DATE
	10
Coombe Bloxdorf P.C. - CIVIL ENGINEERS - - STRUCTURAL ENGINEERS - - LAND SURVEYORS - Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W. Springfield, IL 62704	
OF 30 SHEETS	93539

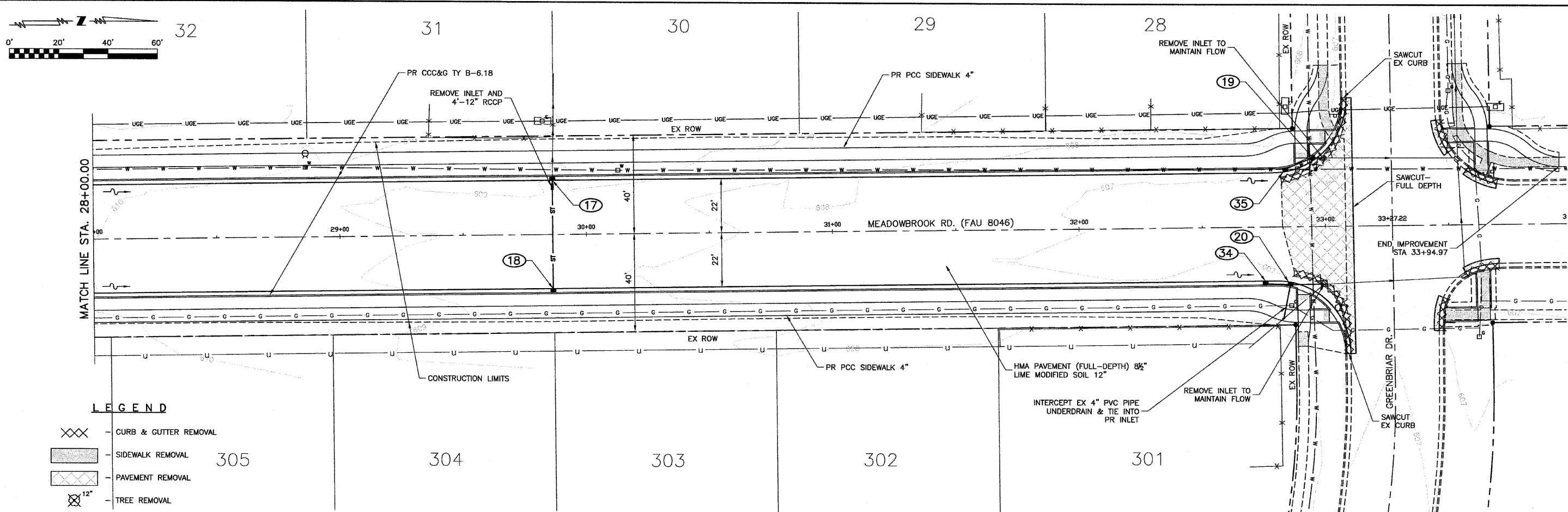


LEGEND

⊗^{12"} - TREE REMOVAL



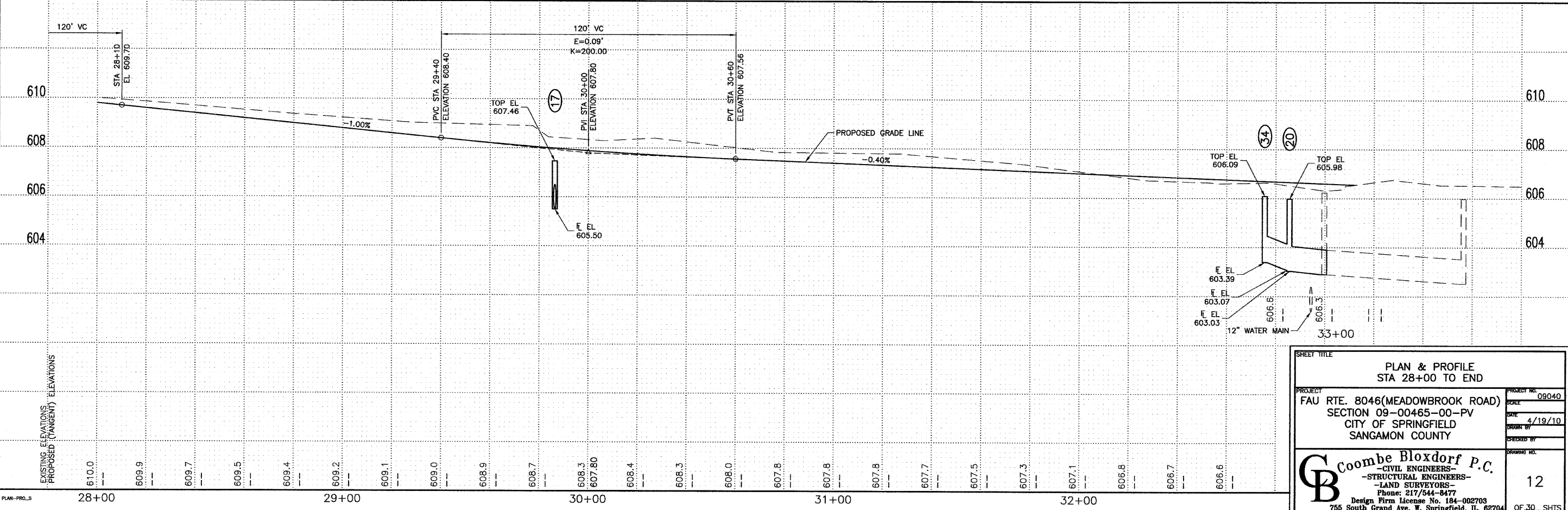
SHEET TITLE	
PLAN & PROFILE STA 23+00 TO STA 28+00	
PROJECT	PROJECT NO.
FAU RTE. 8046(MEADOWBROOK ROAD)	09040
SECTION 09-00465-00-PV	SCALE
CITY OF SPRINGFIELD	DATE 4/19/10
SANGAMON COUNTY	DRAWN BY
	CHECKED BY
	DRAWING NO.
	11
Coombe Bloxdorf P.C. - CIVIL ENGINEERS - - STRUCTURAL ENGINEERS - - LAND SURVEYORS - Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W. Springfield, IL 62704	
OF 30 SHTS	



LEGEND

- XXX CURB & GUTTER REMOVAL
- ▨ SIDEWALK REMOVAL
- ▧ PAVEMENT REMOVAL
- ⊗ 12" TREE REMOVAL

305 304 303 302 301



SHEET TITLE	
PLAN & PROFILE STA 28+00 TO END	
PROJECT FAU RTE. 8046(MEADOWBROOK ROAD) SECTION 09-00465-00-PV CITY OF SPRINGFIELD SANGAMON COUNTY	PROJECT NO. 09040
DATE 4/19/10	DRAWN BY
CHECKED BY	DRAWING NO. 12
Coombe Bloxdorf P.C. - CIVIL ENGINEERS - - STRUCTURAL ENGINEERS - - LAND SURVEYORS - Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704	

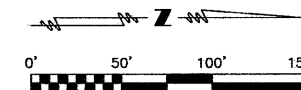
EXISTING ELEVATIONS (TANGENT) ELEVATIONS
 610.0 609.9 609.7 609.5 609.4 609.2 609.1 609.0 608.9 608.7 608.3 607.80 608.4 608.3 608.0 607.8 607.8 607.7 607.5 607.3 607.1 606.8 606.7 606.6

PRE-STAGE CONSTRUCTION

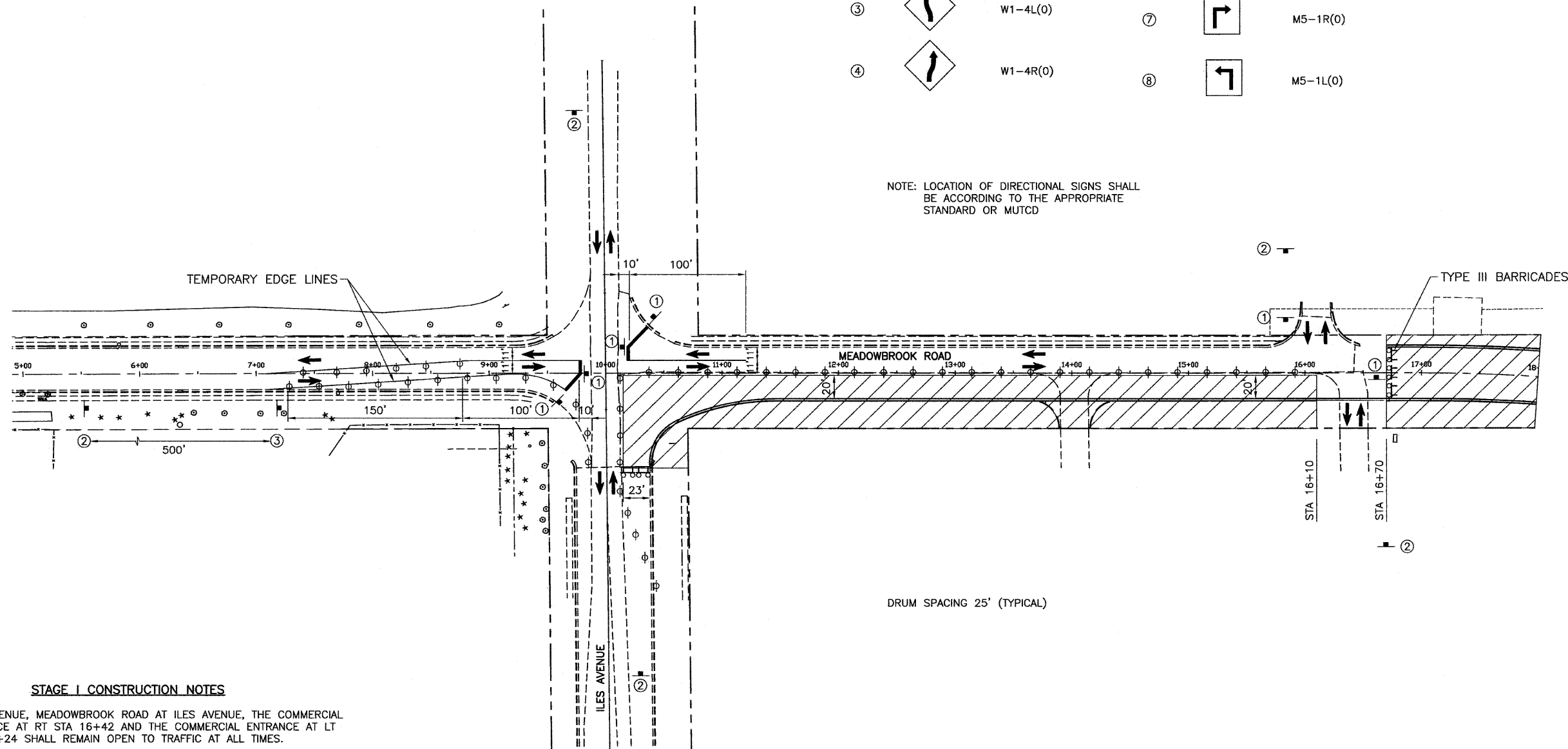
ALL CONSTRUCTION FROM STATION 16+70 TO 33+11.34 CAN BE COMPLETED PRIOR TO OR CONCURRENTLY WITH STAGE CONSTRUCTION. THIS SECTION WILL NOT BE OPENED FOR TRAFFIC UNTIL COMPLETION OF THE STAGE CONSTRUCTION, NOR SHALL IT BE OPENED TO TRAFFIC UNTIL FINAL PAVEMENT MARKING HAS BEEN APPLIED. THERE WILL BE NO SHORT TERM OR TEMPORARY PAVEMENT MARKING COMPUTED ALONG THIS SECTION. THIS WILL APPLY TO MEADOWBROOK ROAD MARKINGS NORTH OF GREENBRIAR ROAD AND EAST AND WEST OF MEADOWBROOK ROAD ON GREENBRIAR ROAD. MEADOWBROOK ROAD SHALL BE CLOSED OFF AT STATION 16+70, THE INTERSECTION OF MCGREGOR LANE AND THE INTERSECTION OF GREENBRIAR ROAD WITH TYPE III BARRICADES WITH FLASHING LIGHTS.

SIGNS

①		R1-1	⑤		W20-3(0)-48
②		W20-1103(0)	⑥		R11-2
③		W1-4L(0)	⑦		M5-1R(0)
④		W1-4R(0)	⑧		M5-1L(0)



NOTE: LOCATION OF DIRECTIONAL SIGNS SHALL BE ACCORDING TO THE APPROPRIATE STANDARD OR MUTCD



STAGE I CONSTRUCTION NOTES

1. ILES AVENUE, MEADOWBROOK ROAD AT ILES AVENUE, THE COMMERCIAL ENTRANCE AT RT STA 16+42 AND THE COMMERCIAL ENTRANCE AT LT STA 16+24 SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.
2. COORDINATE WITH UTILITY COMPANIES FOR ANY ADJUSTMENTS OR RELOCATIONS PRIOR TO CONSTRUCTION.
3. CONSTRUCT STORM SEWER LINE 33 TO 16, COMMERCIAL ENTRANCE AT RT STA 14+02, CURB AND GUTTER AND 20 FEET OF PAVEMENT ALONG EAST CURB FROM STA 10+14 TO STA 16+10.
4. FROM STA 10+14 TO STA 10+81.14 THE PAVEMENT SHALL BE HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 10" ON SUB-BASE GRANULAR MATERIAL, TYPE A, 12". FROM STA 10+81.14 TO STA 16+10 THE PAVEMENT SHALL BE HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 8½" ON LIME MODIFIED SOIL MIXTURE 12".
5. ALL IMPROVEMENTS TO MEADOWBROOK ROAD AND ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED USING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.

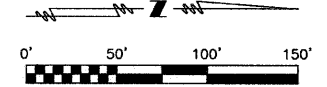
LEGEND

- WORK ZONE
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- TRAFFIC FLOW
- TRAFFIC CONTROL SIGN (NUMBER INDICATES SIGN TYPE SHOWN ABOVE)

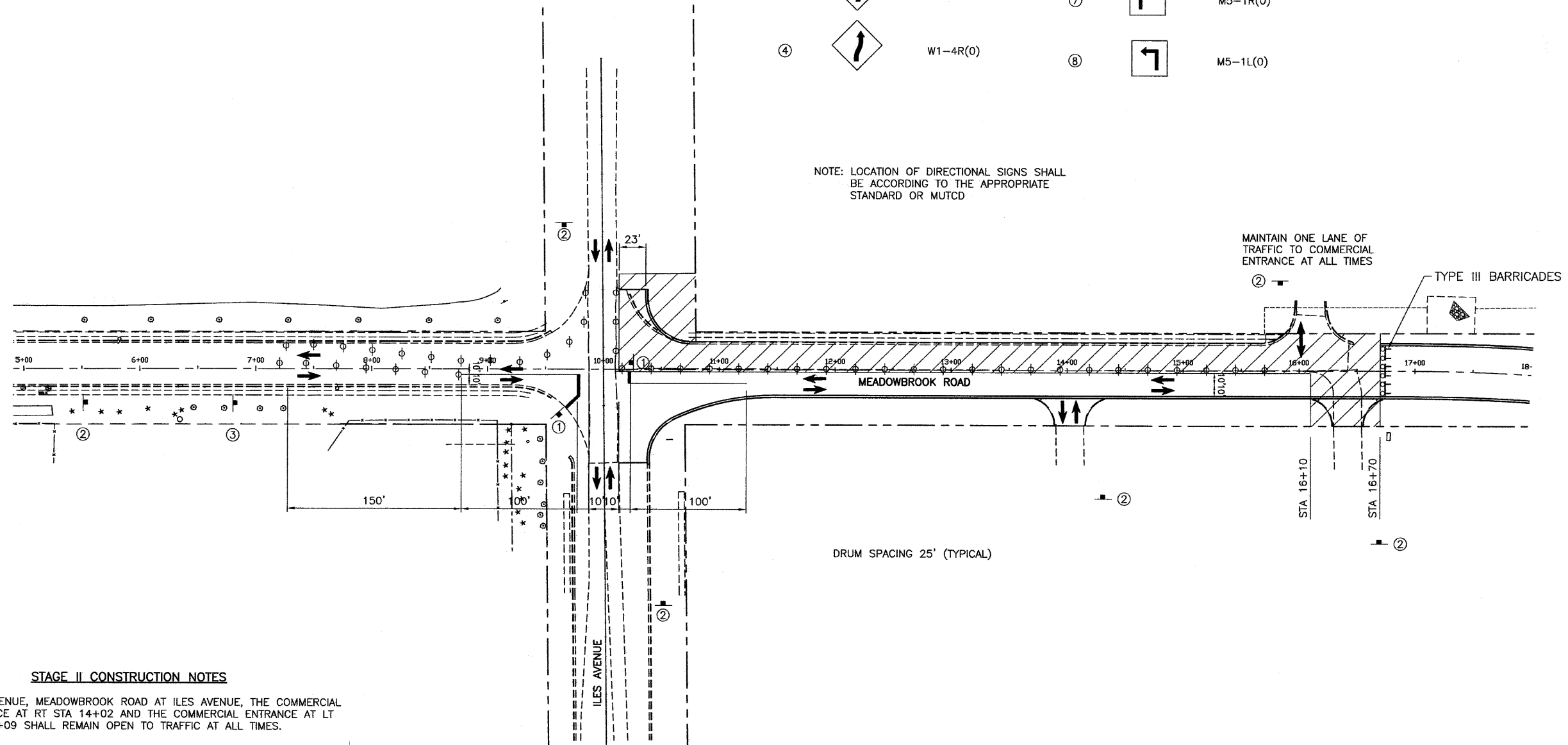
SHEET TITLE		STAGE I CONSTRUCTION AND TRAFFIC CONTROL PLAN	
PROJECT	FAU RTE. 8046(MEADOWBROOK ROAD)	PROJECT NO.	09040
	SECTION 09-00465-00-PV	SCALE	1"=50'
	CITY OF SPRINGFIELD	DATE	4/19/10
	SANGAMON COUNTY	CHECKED BY	
Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W. Springfield, IL 62704		DRAWING NO.	13
		OF 30 SHEETS	

SIGNS

①		R1-1	⑤		W20-3(0)-48
②		W20-1103(0)	⑥		R11-2
③		W1-4L(0)	⑦		M5-1R(0)
④		W1-4R(0)	⑧		M5-1L(0)



NOTE: LOCATION OF DIRECTIONAL SIGNS SHALL BE ACCORDING TO THE APPROPRIATE STANDARD OR MUTCD



STAGE II CONSTRUCTION NOTES

1. ILES AVENUE, MEADOWBROOK ROAD AT ILES AVENUE, THE COMMERCIAL ENTRANCE AT RT STA 14+02 AND THE COMMERCIAL ENTRANCE AT LT STA 16+09 SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.
2. COORDINATE WITH UTILITY COMPANIES FOR ANY ADJUSTMENTS OR RELOCATIONS PRIOR TO CONSTRUCTION.
3. CONSTRUCT STORM SEWER, CURB AND GUTTER, COMMERCIAL ENTRANCES AT LT STA 16+09 AND RT STA 16+42, CURB AND GUTTER AND 24 FEET OF PAVEMENT BETWEEN EXISTING WEST CURB AND NEW PAVEMENT CONSTRUCTED IN STAGE I FROM STA 10+14 TO STA 16+70.
4. FROM STA 10+14 TO STA 10+81.14 THE PAVEMENT SHALL BE HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" ON SUB-BASE GRANULAR MATERIAL, TYPE A, 12". FROM STA 10+81.14 TO STA 16+70 THE PAVEMENT SHALL BE HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 8 1/2" ON LIME MODIFIED SOIL MIXTURE 12".
5. ALL IMPROVEMENTS TO MEADOWBROOK ROAD AND ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED USING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.

LEGEND

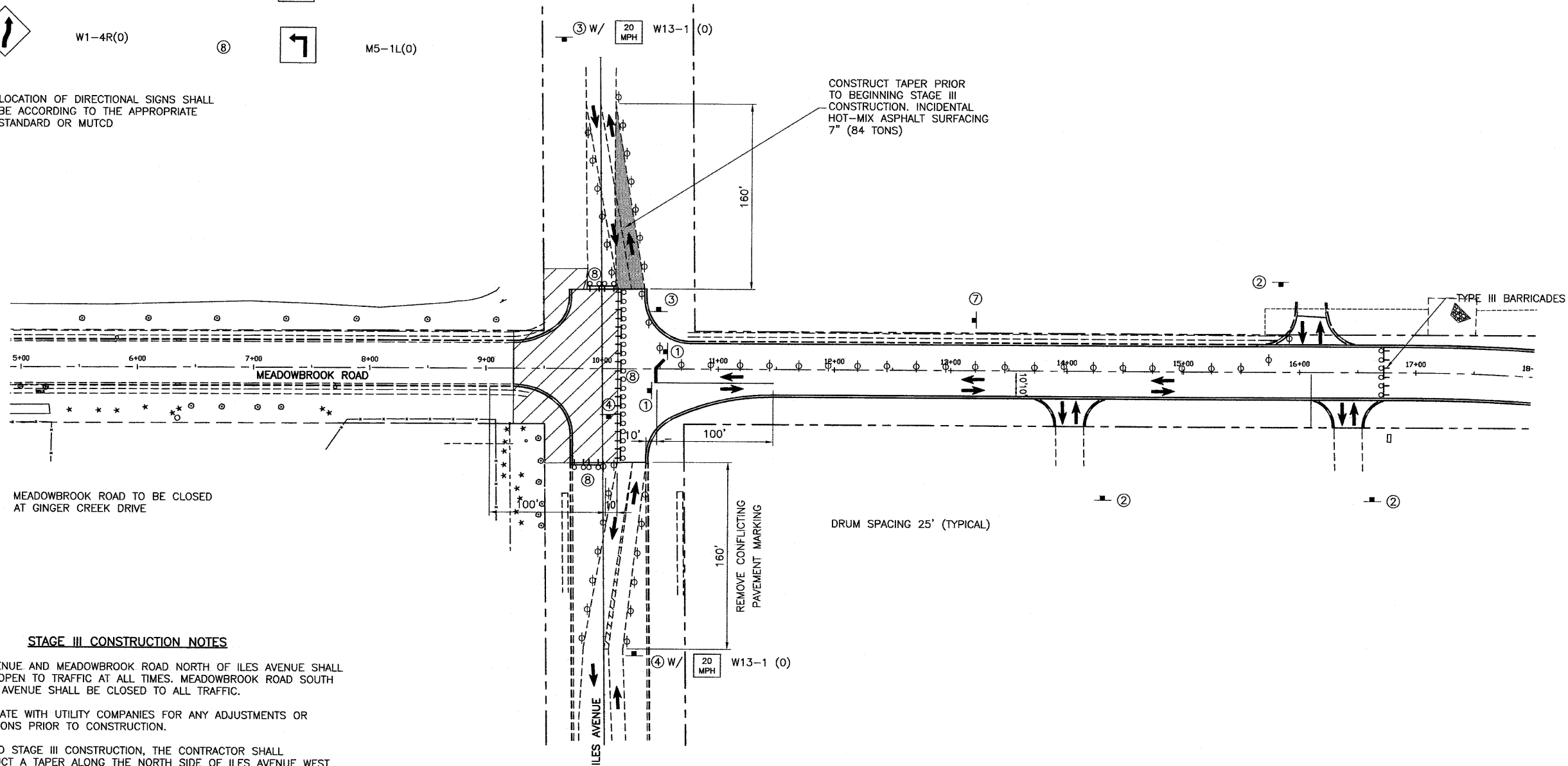
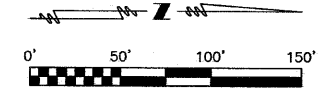
- WORK ZONE
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- TRAFFIC FLOW
- TRAFFIC CONTROL SIGN (NUMBER INDICATES SIGN TYPE SHOWN ABOVE)

SHEET TITLE STAGE II CONSTRUCTION AND TRAFFIC CONTROL PLAN	
PROJECT FAU RTE. 8046(MEADOWBROOK ROAD) SECTION 09-00465-00-PV CITY OF SPRINGFIELD SANGAMON COUNTY	PROJECT NO. 09040 SCALE 1"=50' DATE 4/19/10 DRAWN BY CHECKED BY DRAWING NO.
Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704	
14 OF 30 SHTS	

SIGNS

①		R1-1	⑤		W20-3(0)-48
②		W20-1103(0)	⑥		R11-2
③		W1-4L(0)	⑦		M5-1R(0)
④		W1-4R(0)	⑧		M5-1L(0)

NOTE: LOCATION OF DIRECTIONAL SIGNS SHALL BE ACCORDING TO THE APPROPRIATE STANDARD OR MUTCD



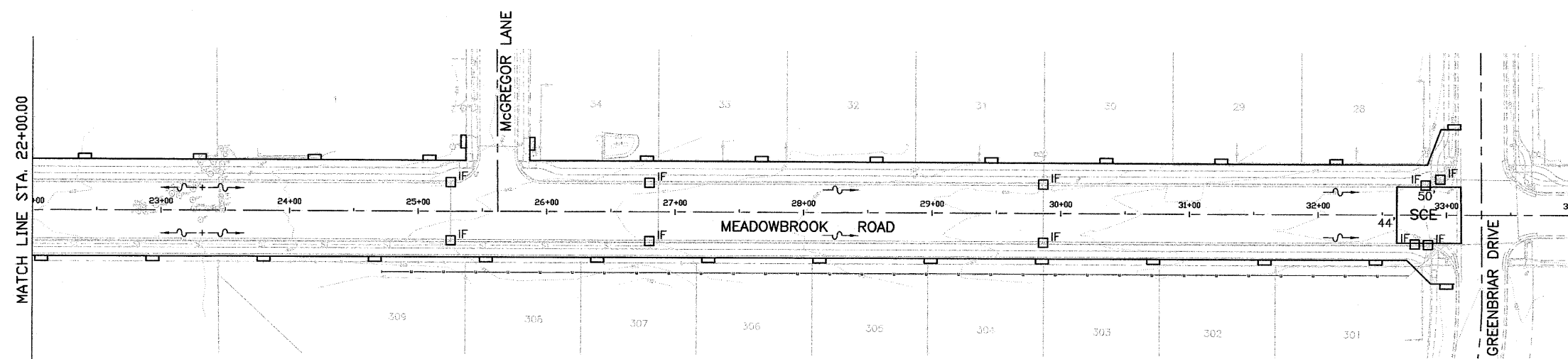
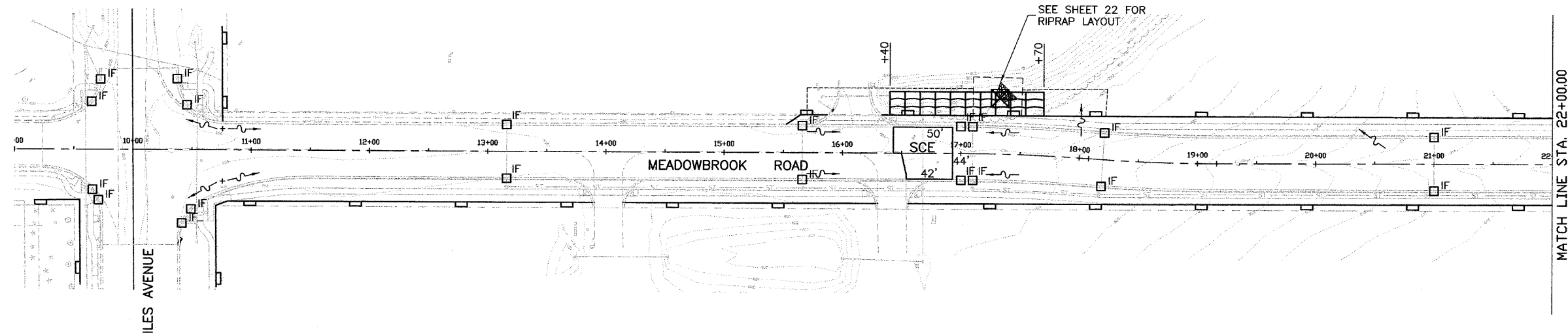
STAGE III CONSTRUCTION NOTES

- ILES AVENUE AND MEADOWBROOK ROAD NORTH OF ILES AVENUE SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES. MEADOWBROOK ROAD SOUTH OF ILES AVENUE SHALL BE CLOSED TO ALL TRAFFIC.
- COORDINATE WITH UTILITY COMPANIES FOR ANY ADJUSTMENTS OR RELOCATIONS PRIOR TO CONSTRUCTION.
- PRIOR TO STAGE III CONSTRUCTION, THE CONTRACTOR SHALL CONSTRUCT A TAPER ALONG THE NORTH SIDE OF ILES AVENUE WEST OF MEADOWBROOK ROAD.
- CONSTRUCT STORM SEWER, CURB AND GUTTER AND PAVEMENT FROM STA 9+23.64 TO THE NEW PAVEMENT AT STA 10+14.
- THE PROPOSED PAVEMENT SHALL BE HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" ON SUB-BASE GRANULAR MATERIAL, TYPE A 12".
- ALL IMPROVEMENTS TO MEADOWBROOK ROAD AND ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED USING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.
- INSTALL SHORT TERM PAVEMENT MARKING AND OPEN ALL LANES TO TRAFFIC.
- CONSTRUCT TEMPORARY OR PERMANENT PAVEMENT MARKING.

LEGEND

- WORK ZONE
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- TRAFFIC FLOW
- TRAFFIC CONTROL SIGN (NUMBER INDICATES SIGN TYPE SHOWN ABOVE)

SHEET TITLE STAGE III CONSTRUCTION AND TRAFFIC CONTROL PLAN	
PROJECT FAU RTE. 8046(MEADOWBROOK ROAD) SECTION 09-00465-00-PV CITY OF SPRINGFIELD SANGAMON COUNTY	PROJECT NO. 09040 SCALE 1"=50' DATE 4/19/10 DESIGNED BY CHECKED BY DRAWING NO.
 Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704	
15 OF 30 SHTS	







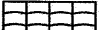
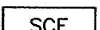
EROSION CONTROL NOTES


ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN IN THESE PLANS, ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS ADJOINING THE PROJECT SITE KEEPING THEM FREE FROM MUD AND DEBRIS AT ALL TIMES. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT SEEDING IS ESTABLISHED. ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL PERFORM DAILY INSPECTIONS AND MAINTAIN WRITTEN REPORTS OF THE INSPECTIONS. THE COST OF MAINTENANCE OF TEMPORARY EROSION CONTROLS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE EROSION CONTROL ITEM.

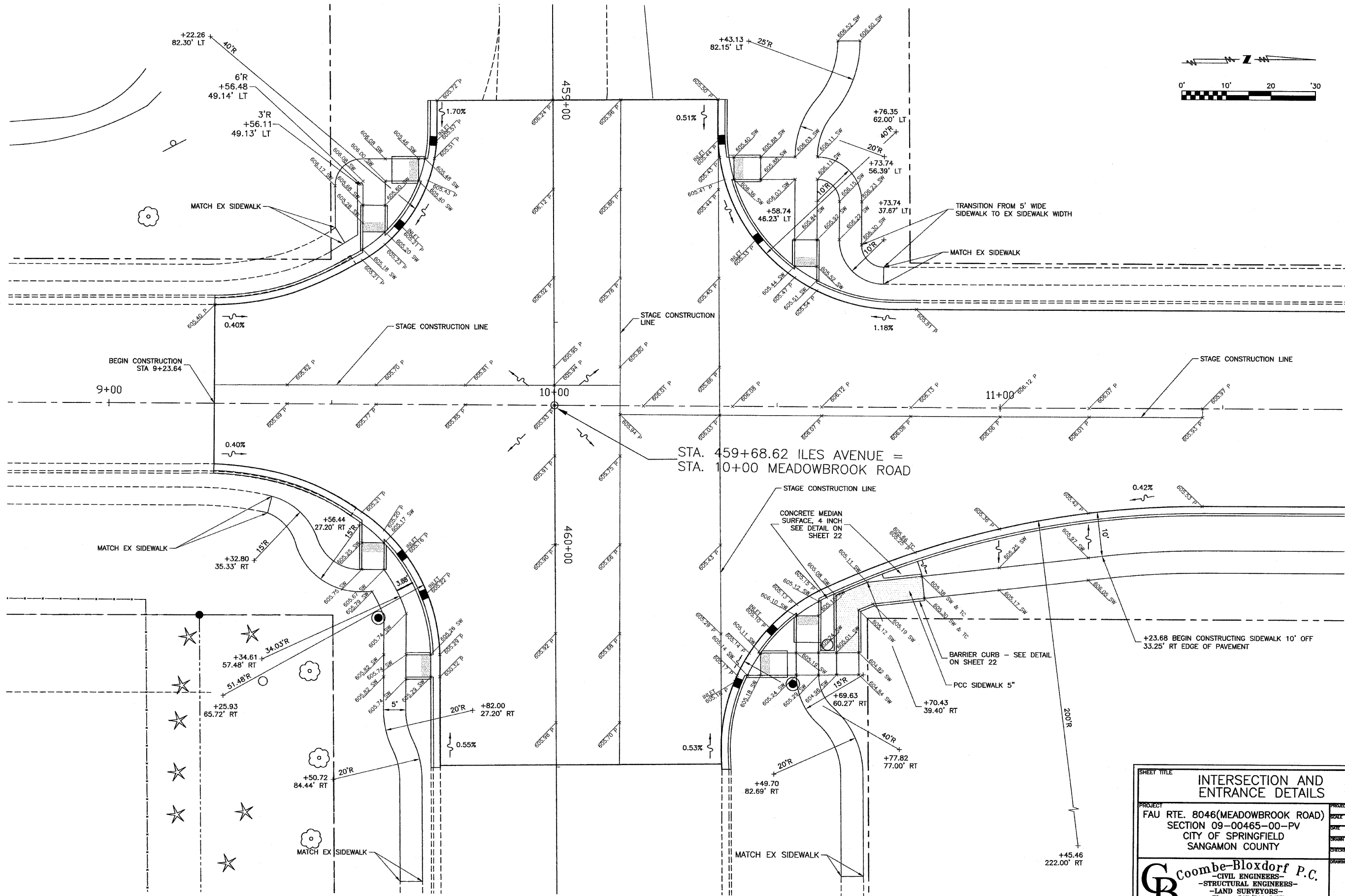
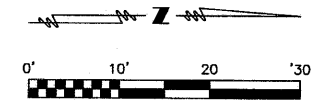
SEEDING NOTES

FINAL SEEDING SHALL BE CLASS 2A IN ACCORDANCE WITH SECTION 250 OF THE STANDARD SPECIFICATIONS. APPLICATION RATES FOR THE FERTILIZER NUTRIENTS AND AGRICULTURAL GROUND LIMESTONE ARE AS NOTED ON SHEET 2 IN THE GENERAL NOTES. MULCH SHALL BE METHOD 2 IN ACCORDANCE WITH SECTION 251 OF THE STANDARD SPECIFICATIONS. EROSION CONTROL BLANKET SHALL BE PLACED ON THE STREAM SLOPE UPON COMPLETION OF SEED AND MULCH AT THE LOCATION SHOWN ON THE PLANS.

LEGEND

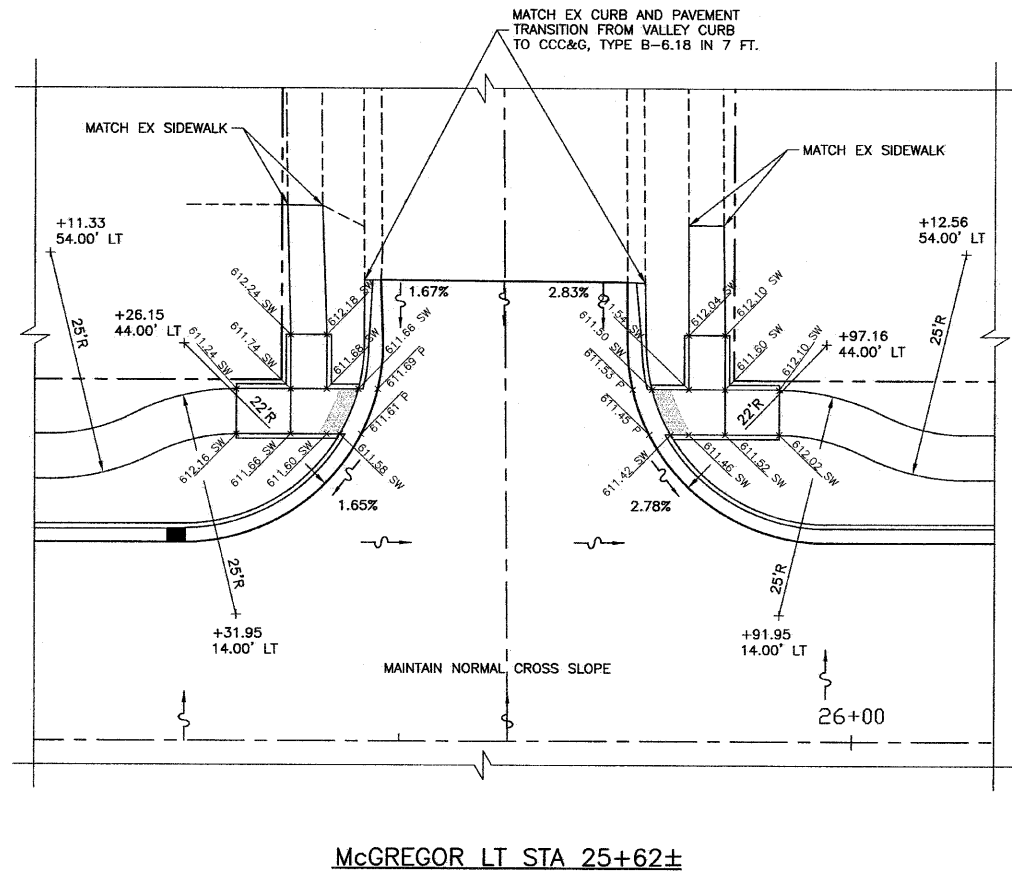
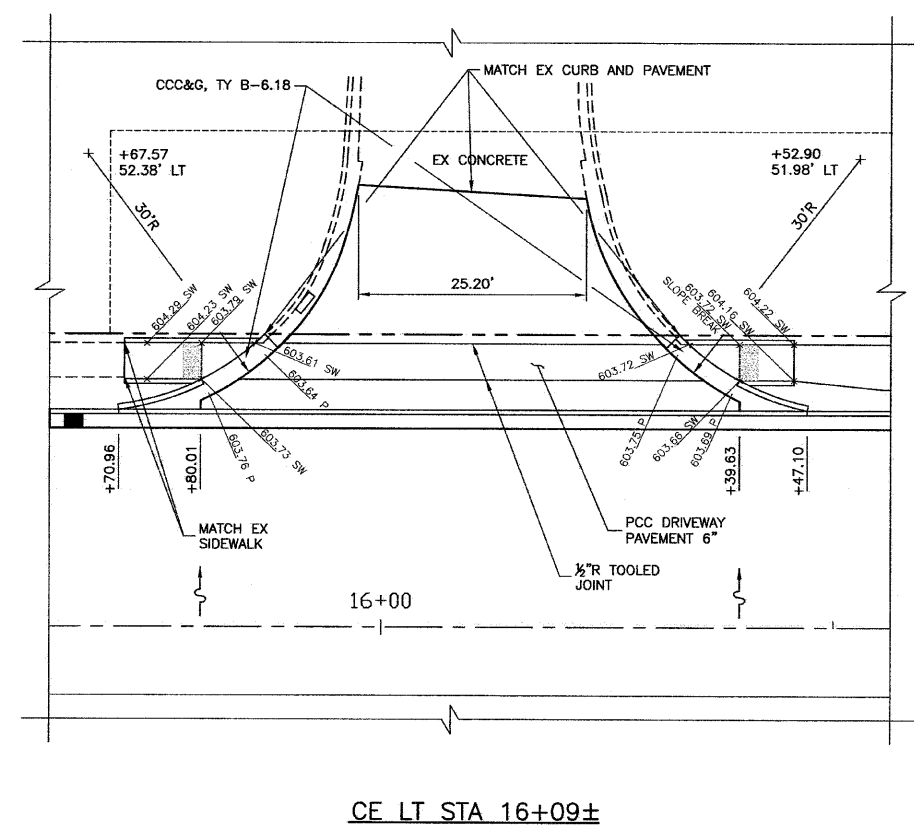
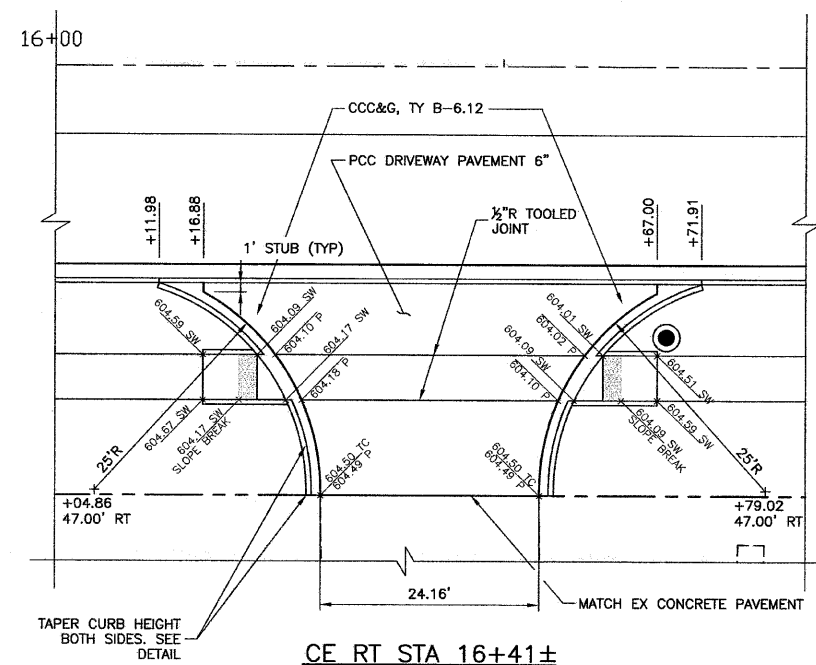
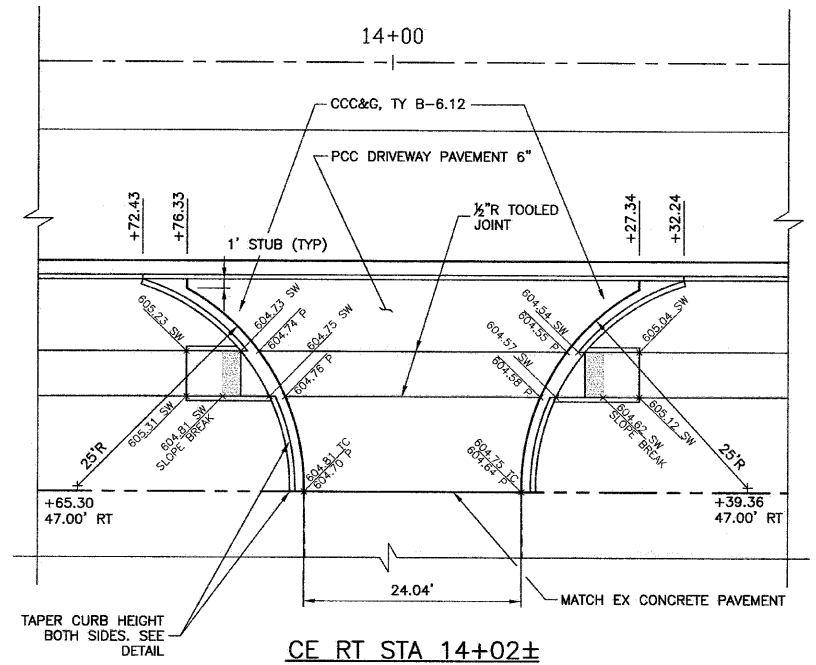
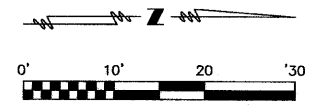
-  INLET AND PIPE PROTECTION
-  INLET FILTER
-  PERIMETER EROSION BARRIER
-  STONE RIPRAP, CLASS A3 WITH FILTER FABRIC
-  EROSION CONTROL BLANKET
-  STABILIZED CONSTRUCTION ENTRANCE

SHEET TITLE		EROSION CONTROL PLAN	
PROJECT		STA 9+23.64 TO STA 33+94.97	
FAU RTE. 8046(MEADOWBROOK ROAD)		PROJECT NO.	09040
SECTION 09-00465-00-PV		SCALE	1"=50'
CITY OF SPRINGFIELD		DATE	4/19/10
SANGAMON COUNTY		DRAWN BY	
 Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704		CHECKED BY	
		DRAWING NO.	16
		OF 30 SHTS	

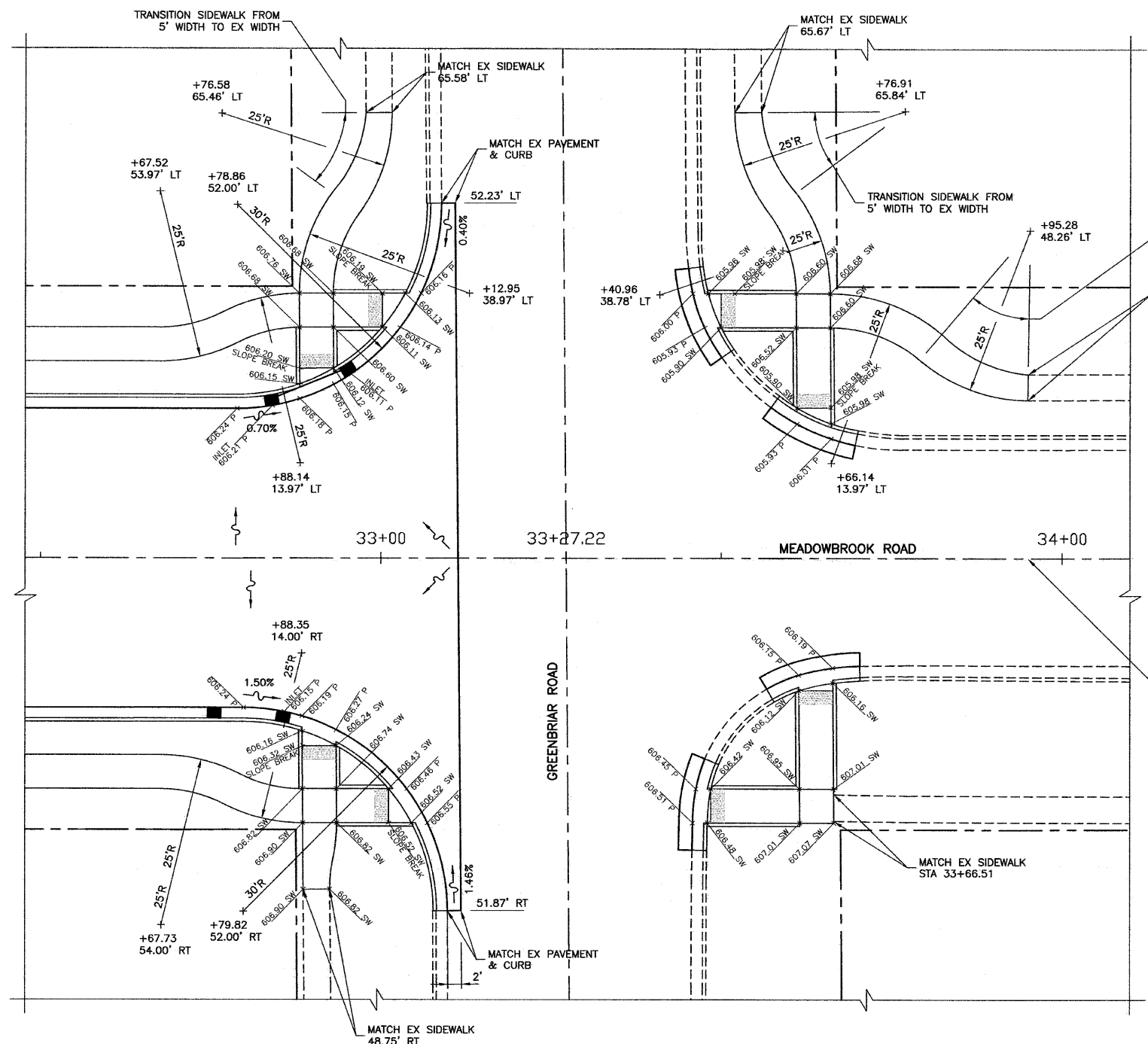
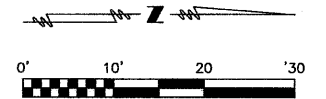


STA. 459+68.62 ILES AVENUE =
STA. 10+00 MEADOWBROOK ROAD

SHEET TITLE		INTERSECTION AND ENTRANCE DETAILS	
PROJECT	FAU RTE. 8046(MEADOWBROOK ROAD)	PROJECT NO.	09040
SECTION	SECTION 09-00465-00-PV	SCALE	1"=10'
CITY	CITY OF SPRINGFIELD	DATE	4/19/10
COUNTY	SANGAMON COUNTY	DRAWN BY	
		CHECKED BY	
		DATE	
		17	
		OF 30 SHTS	



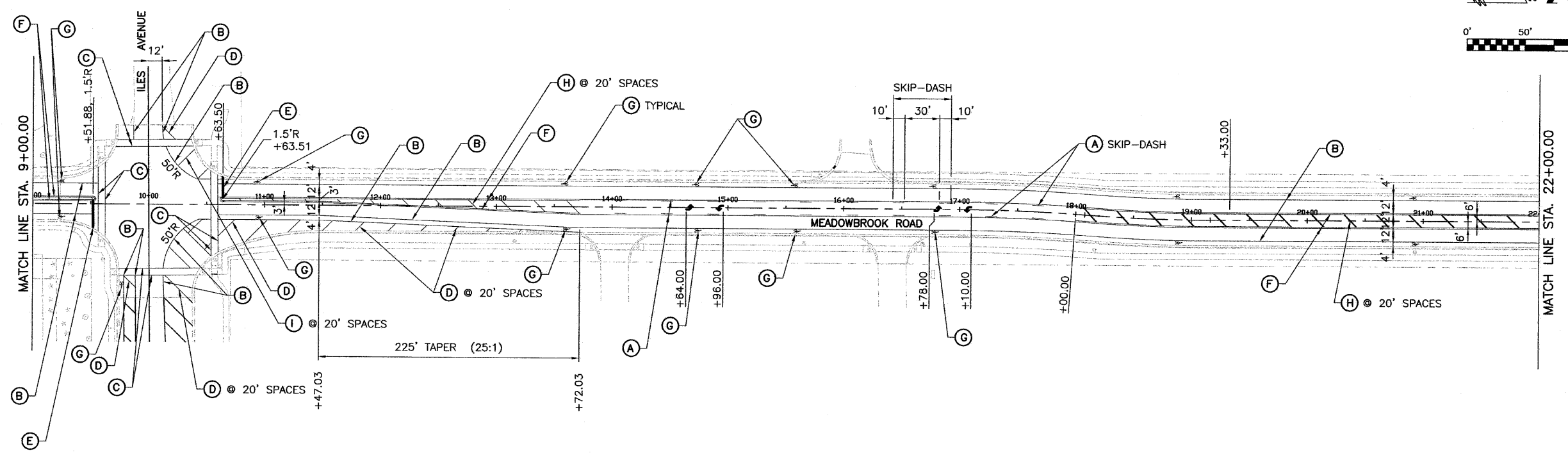
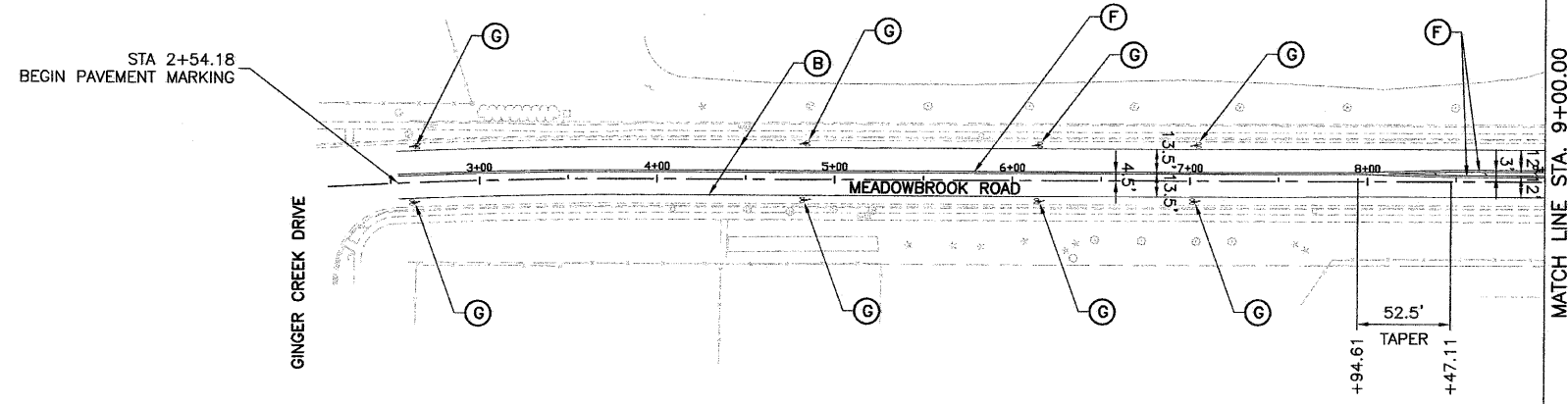
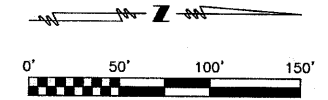
SHEET TITLE		INTERSECTION AND ENTRANCE DETAILS	
PROJECT	FAU RTE. 8046(MEADOWBROOK ROAD)	PROJECT NO.	09040
	SECTION 09-00465-00-PV	SCALE	1"=10'
	CITY OF SPRINGFIELD	DATE	4/19/10
	SANGAMON COUNTY	DRAWN BY	
		CHECKED BY	
Coombe-Bloxdorf P.C. - CIVIL ENGINEERS - - STRUCTURAL ENGINEERS - - LAND SURVEYORS - Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704		DRAWING NO.	18
			OF 30 SHEETS



SHEET TITLE		INTERSECTION AND ENTRANCE DETAILS	
PROJECT	FAU RTE. 8046(MEADOWBROOK ROAD)	PROJECT NO.	09040
	SECTION 09-00465-00-PV	SCALE	1"=10'
	CITY OF SPRINGFIELD	DATE	4/19/10
	SANGAMON COUNTY	DRAWN BY	
		CHECKED BY	
Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave., Springfield, IL 62704		DRAWING NO.	19
			OF 30 SHTS

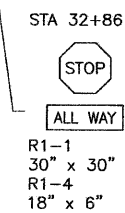
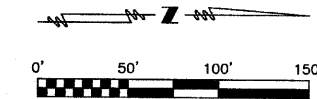
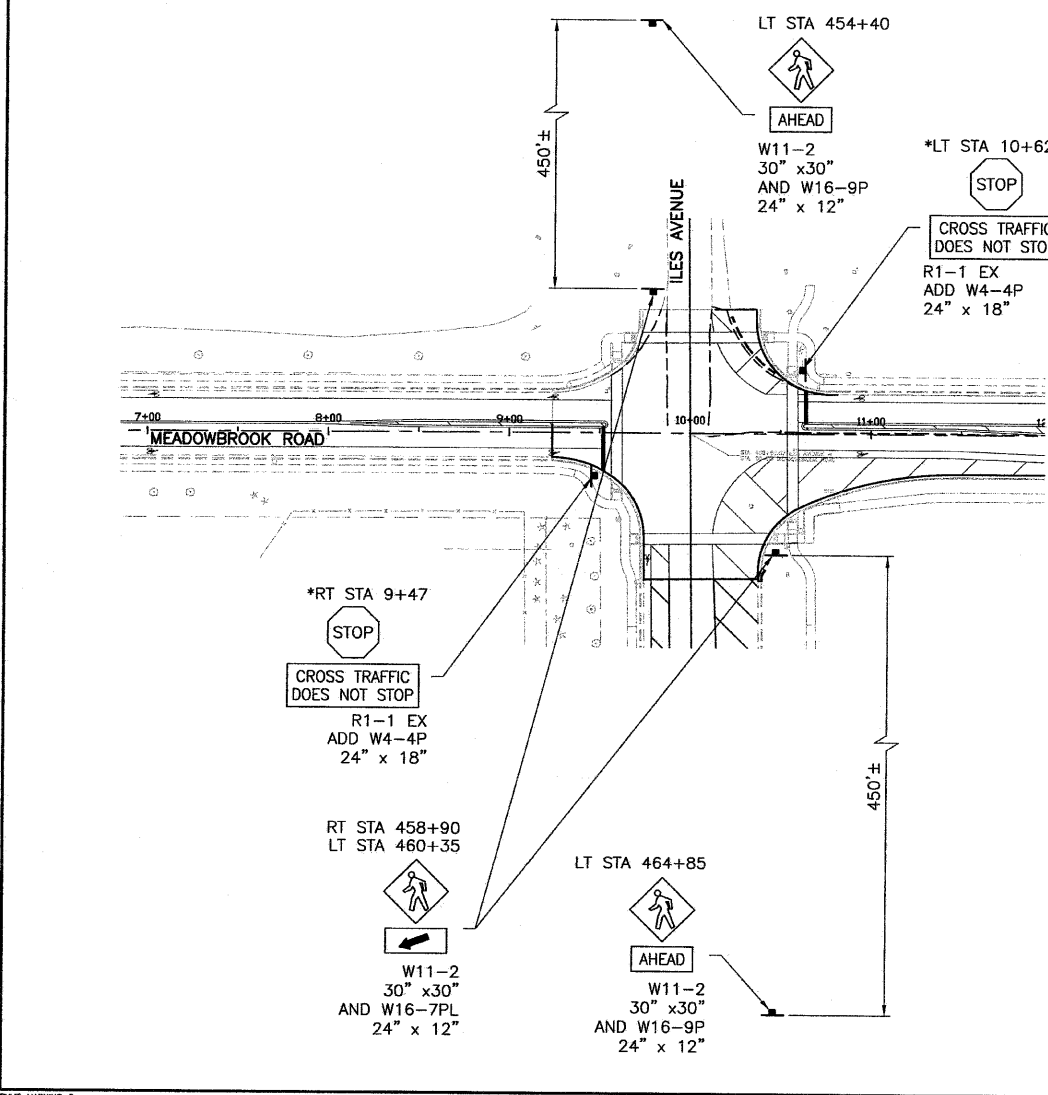
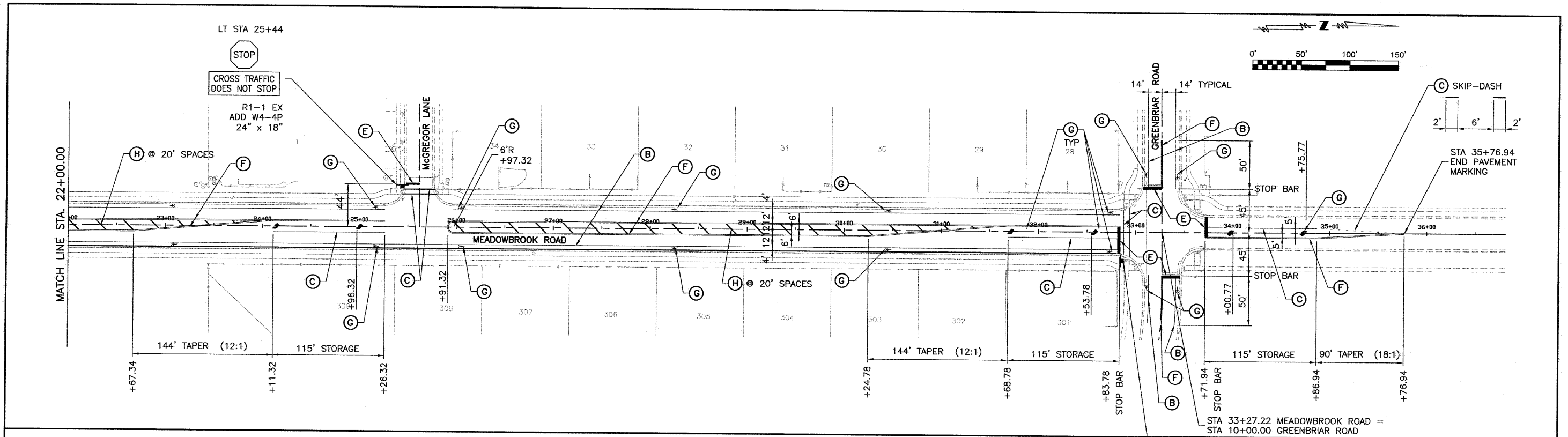
LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING, LINE 5"-YELLOW
- (B) THERMOPLASTIC PAVEMENT MARKING, LINE 5"-WHITE
- (C) THERMOPLASTIC PAVEMENT MARKING, LINE 6"-WHITE
- (D) THERMOPLASTIC PAVEMENT MARKING, LINE 12"-WHITE
- (E) THERMOPLASTIC PAVEMENT MARKING, LINE 24"-WHITE
- (F) THERMOPLASTIC PAVEMENT MARKING, DOUBLE LINE 5"-YELLOW (9" SPACING)
- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LETTERS AND SYMBOLS
- (H) THERMOPLASTIC PAVEMENT MARKING, LINE 12"-YELLOW



SEE SHEET 21 FOR LOCATION OF SIGNS AT MEADOWBROOK AND ILES.

SHEET TITLE PAVEMENT MARKING PLAN STA 2+54.18 TO STA 22+00.00	
PROJECT FAU RTE. 8046 (MEADOWBROOK ROAD)	PROJECT NO. 09040
SECTION 09-00465-00-PV	SCALE 1"=50'
CITY OF SPRINGFIELD	DATE 4/19/10
SANGAMON COUNTY	DESIGNED BY PPW
	CHECKED BY CLS
	DRAWING NO. 20
	OF 30 SHTS



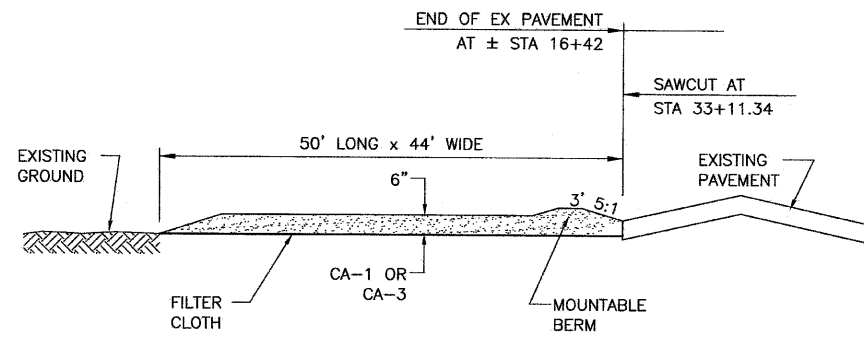
* THE EXISTING METAL POST AND R1-1 SIGN AT RT STA 9+57 SHALL BE REMOVED AND RELOCATED TO RT STA 9+47. A W4-4P SHALL BE ADDED. THIS WORK SHALL BE PAID FOR AS "REMOVE AND RELOCATE SIGN NO. 1".

THE EXISTING METAL POST AND R1-1 SIGN AT LT STA 10+71 SHALL BE REMOVED AND RELOCATED TO LT STA 10+62. A W4-4P SHALL BE ADDED. THIS WORK SHALL BE PAID FOR AS "REMOVE AND RELOCATE SIGN NO. 2".

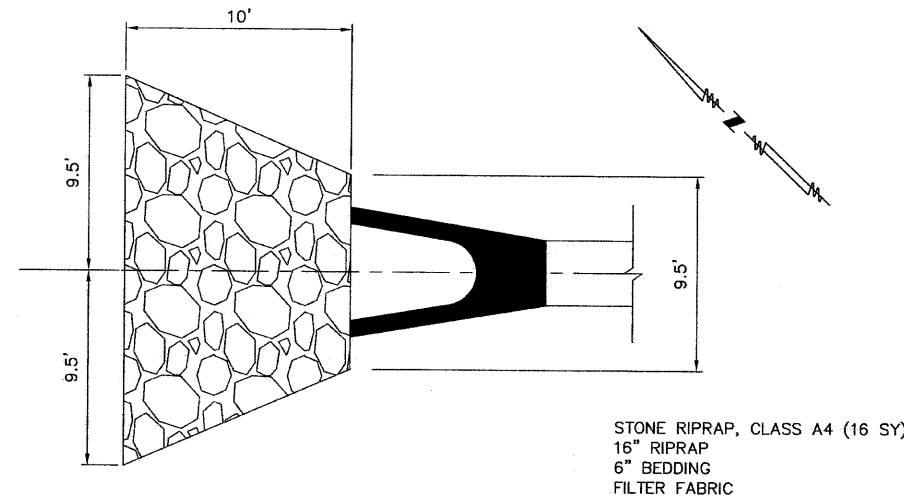
LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING, LINE 5"-YELLOW
- (B) THERMOPLASTIC PAVEMENT MARKING, LINE 5"-WHITE
- (C) THERMOPLASTIC PAVEMENT MARKING, LINE 6"-WHITE
- (D) THERMOPLASTIC PAVEMENT MARKING, LINE 12"-WHITE
- (E) THERMOPLASTIC PAVEMENT MARKING, LINE 24"-WHITE
- (F) THERMOPLASTIC PAVEMENT MARKING, DOUBLE LINE 5"-YELLOW (9" SPACING)
- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LETTERS AND SYMBOLS
- (H) THERMOPLASTIC PAVEMENT MARKING, LINE 12"-YELLOW

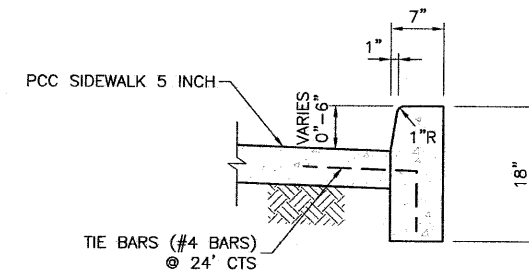
SHEET TITLE PAVEMENT MARKING PLAN	
STA 22+00.00 TO STA 35+76.94	
PROJECT FAU RTE. 8046 (MEADOWBROOK ROAD)	PROJECT NO. 09040
SECTION 09-00465-00-PV	SCALE 1"=50'
CITY OF SPRINGFIELD	DATE 4/19/10
SANGAMON COUNTY	DESIGNED BY
Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704	DRAWING NO. 21
	OF 30 SHEETS



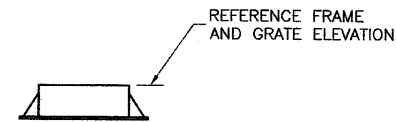
STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



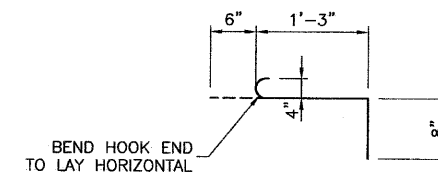
RIPRAP AT 18" PRC FLARED END SECTION



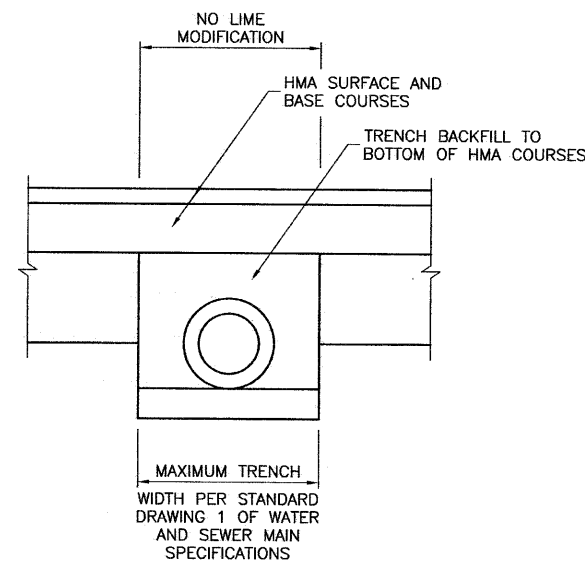
BARRIER CURB ADJACENT TO PCC SIDEWALK 5 INCH



FRAME AND LIDS, TYPE 1

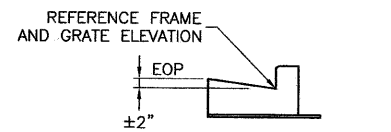


TIE BAR (#4 BARS)
TIE BARS WILL BE PAID FOR EACH



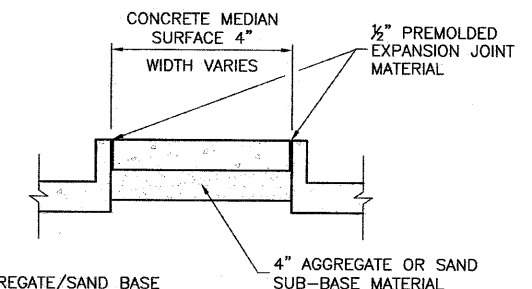
BACKFILL DETAIL

LINES 1-2, 10-11, 12-13
17-18, 14-8, 15-7, 33-16
19-EX PIPE AND 20-EX PIPE



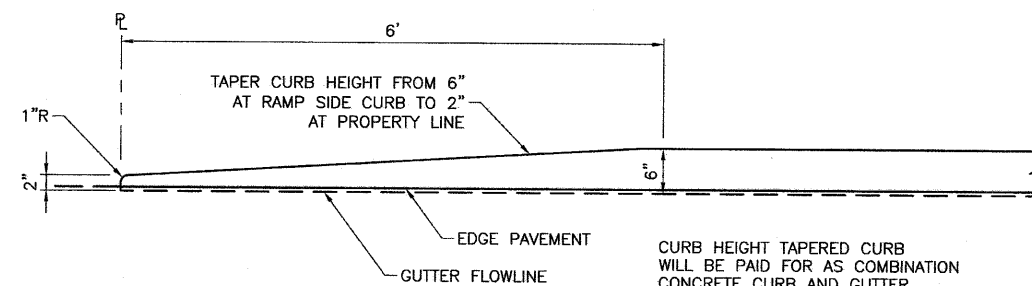
FRAME AND GRATE, TYPE 3

REFERENCE FRAME AND GRATE ELEVATIONS



NOTE: COST OF AGGREGATE/SAND BASE AND JOINT MATERIAL SHALL BE INCLUDED IN THE COST OF CONCRETE MEDIAN SURFACE, 4 INCH

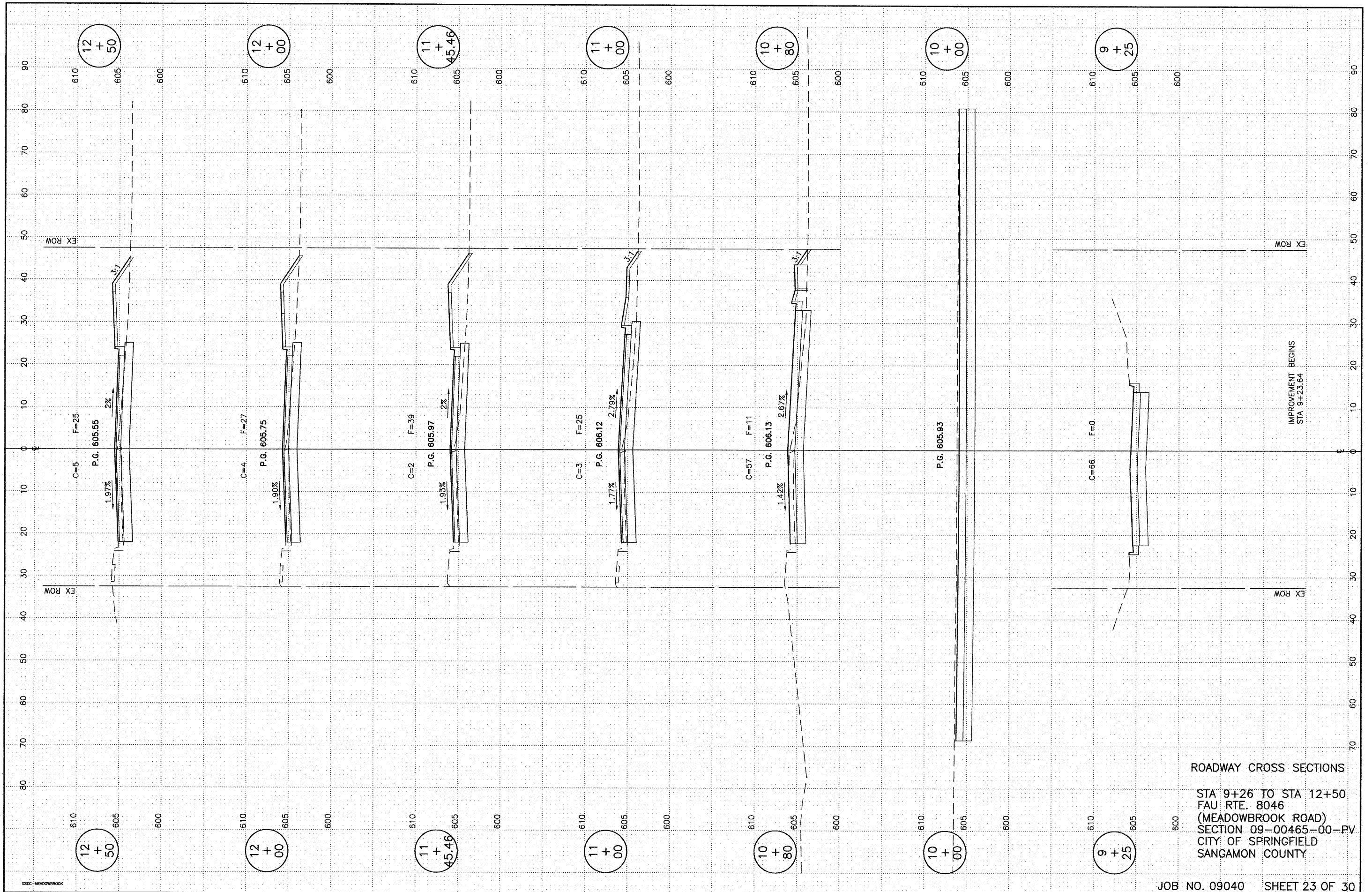
CONCRETE MEDIAN SURFACE, 4 INCH



CURB HEIGHT TAPER

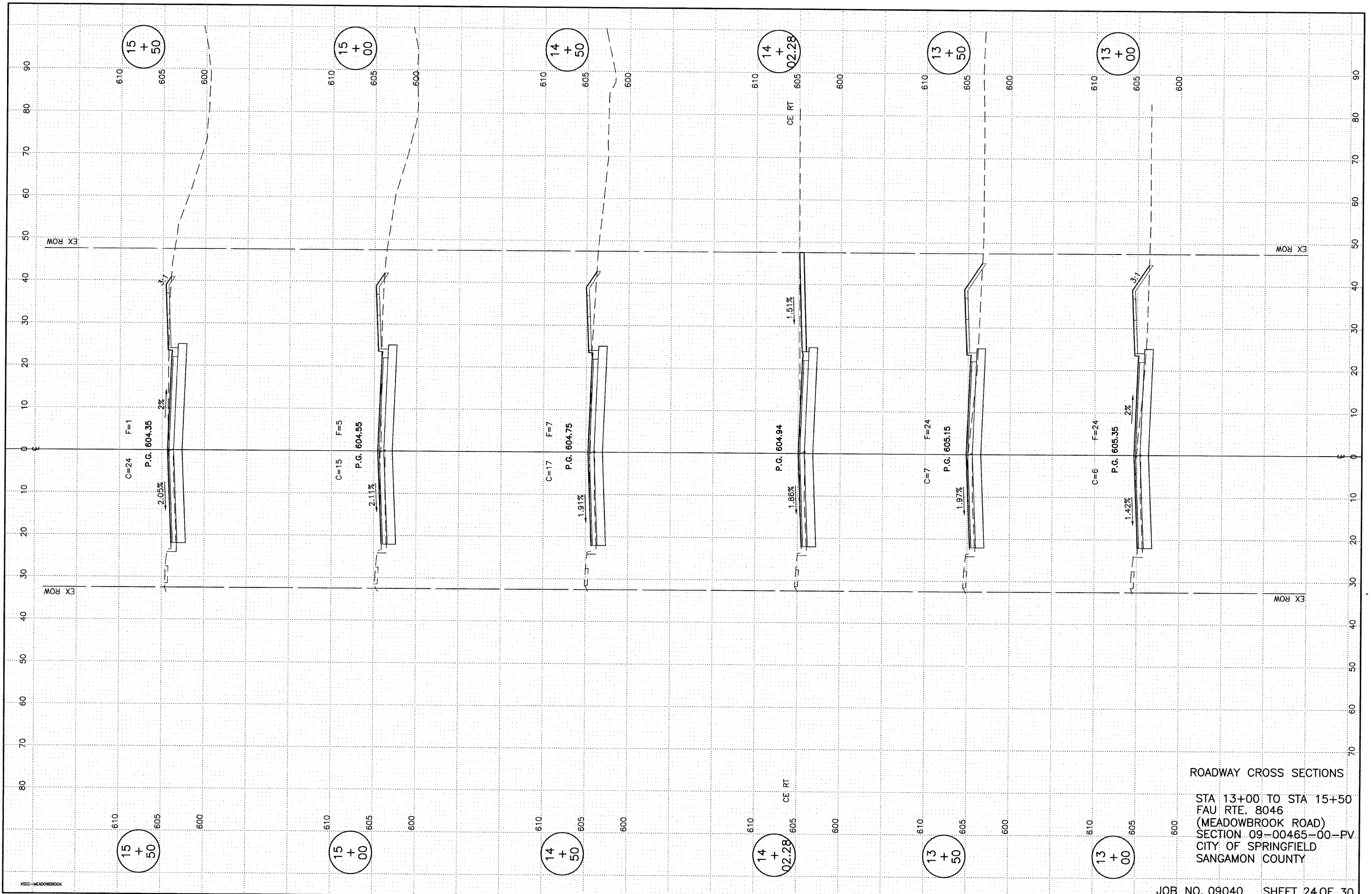
CURB HEIGHT TAPERED CURB WILL BE PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

SHEET TITLE	
CONSTRUCTION DETAILS	
PROJECT FAU RTE. 8046 (MEADOWBROOK ROAD) SECTION 09-00465-00-PV CITY OF SPRINGFIELD SANGAMON COUNTY	PROJECT NO. 09040 DATE 4/19/10 DRAWN BY PPW CHECKED BY
CB Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704	
DRAWING NO. 22	
OF 30 SHEETS	



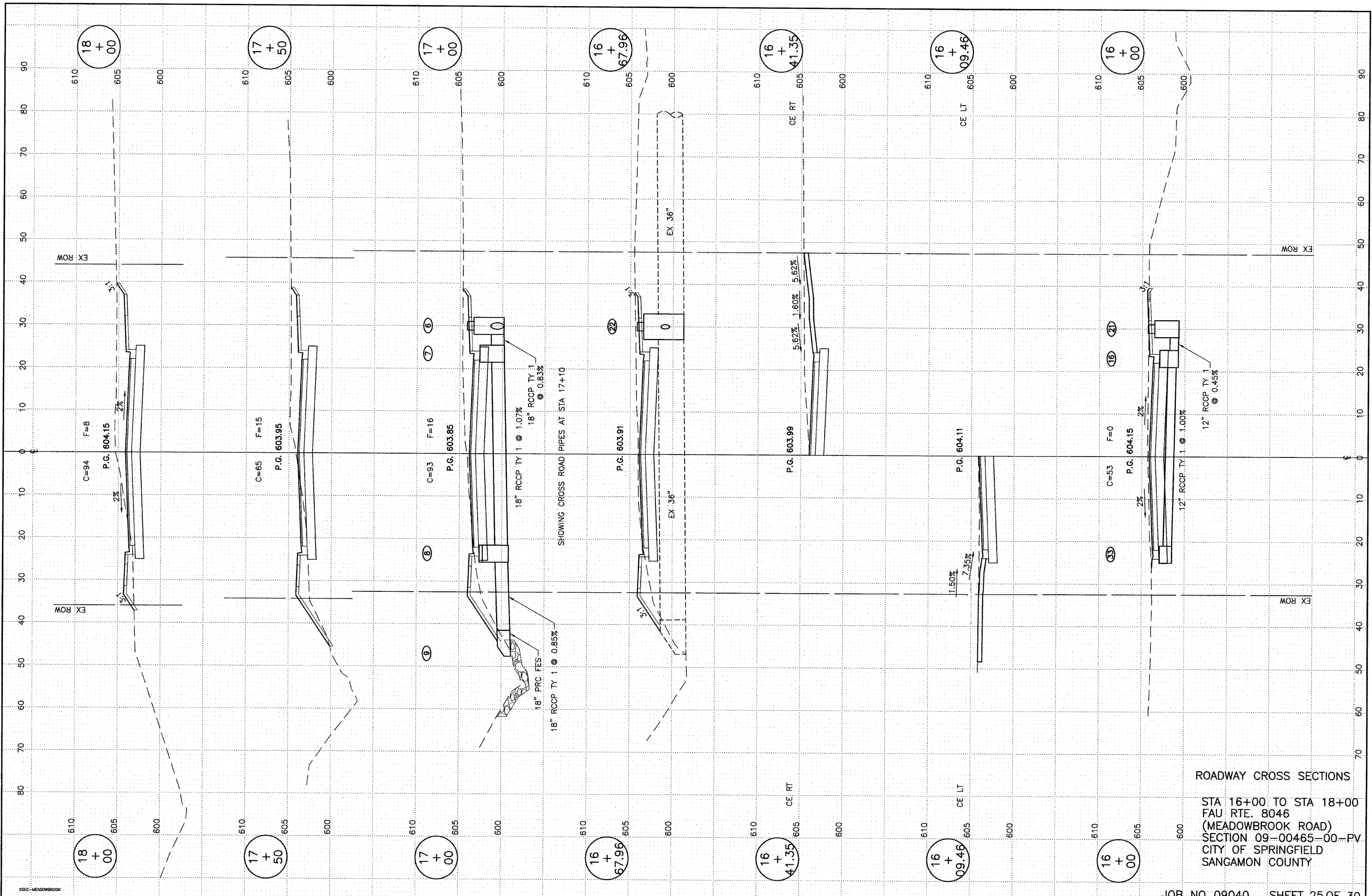
ROADWAY CROSS SECTIONS

STA 9+26 TO STA 12+50
 FAU RTE. 8046
 (MEADOWBROOK ROAD)
 SECTION 09-00465-00-PV
 CITY OF SPRINGFIELD
 SANGAMON COUNTY



ROADWAY CROSS SECTIONS

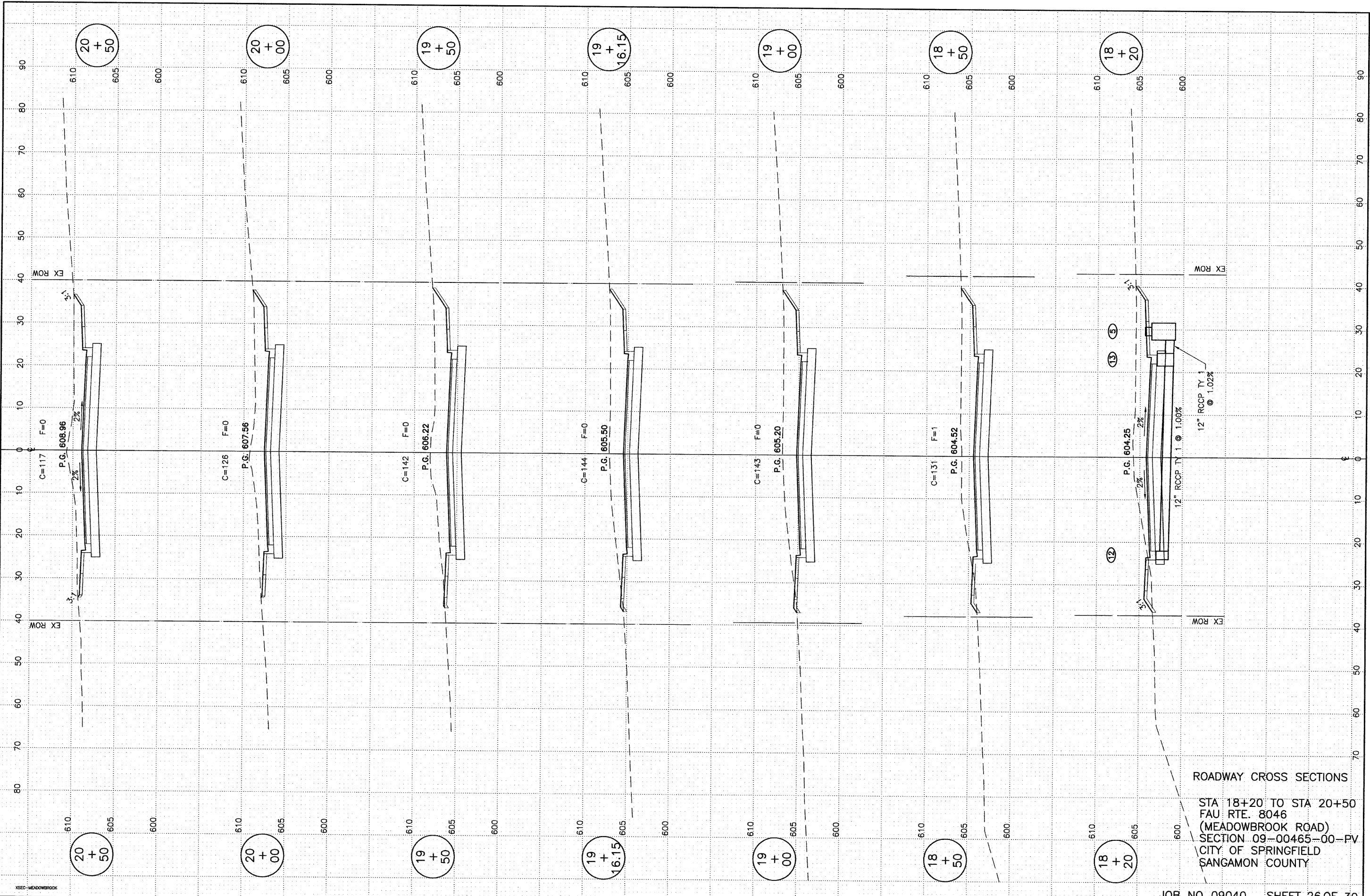
STA 13+00 TO STA 15+50
 FAU RTE. 8046
 (MEADOWBROOK ROAD)
 SECTION 09-00465-00-PV
 CITY OF SPRINGFIELD
 SANGAMON COUNTY



SHOWING CROSS ROAD PIPES AT STA 17+10

ROADWAY CROSS SECTIONS

STA 16+00 TO STA 18+00
 FAU RTE. 8046
 (MEADOWBROOK ROAD)
 SECTION 09-00465-00-PV.
 CITY OF SPRINGFIELD
 SANGAMON COUNTY

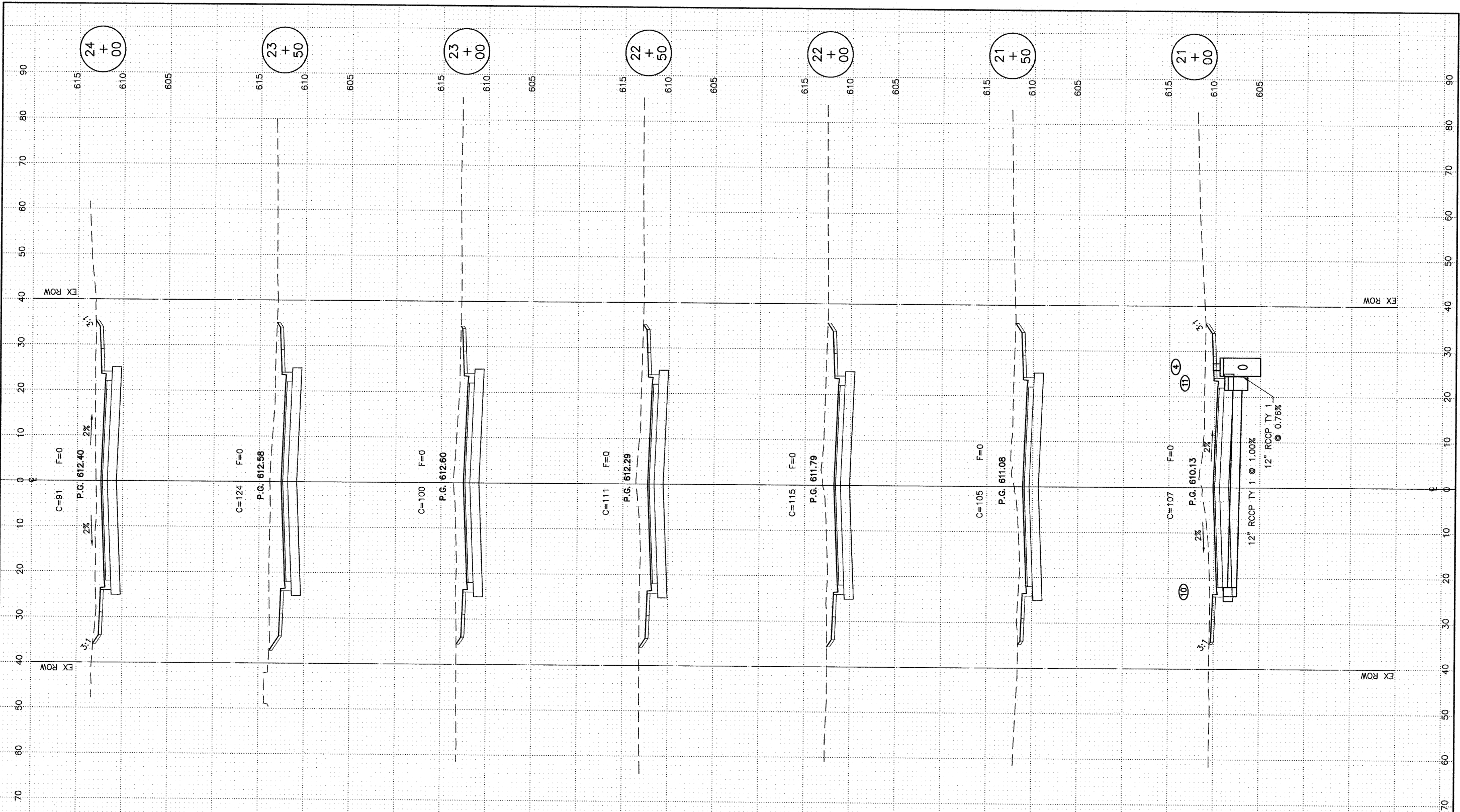


EX ROW

EX ROW

ROADWAY CROSS SECTIONS

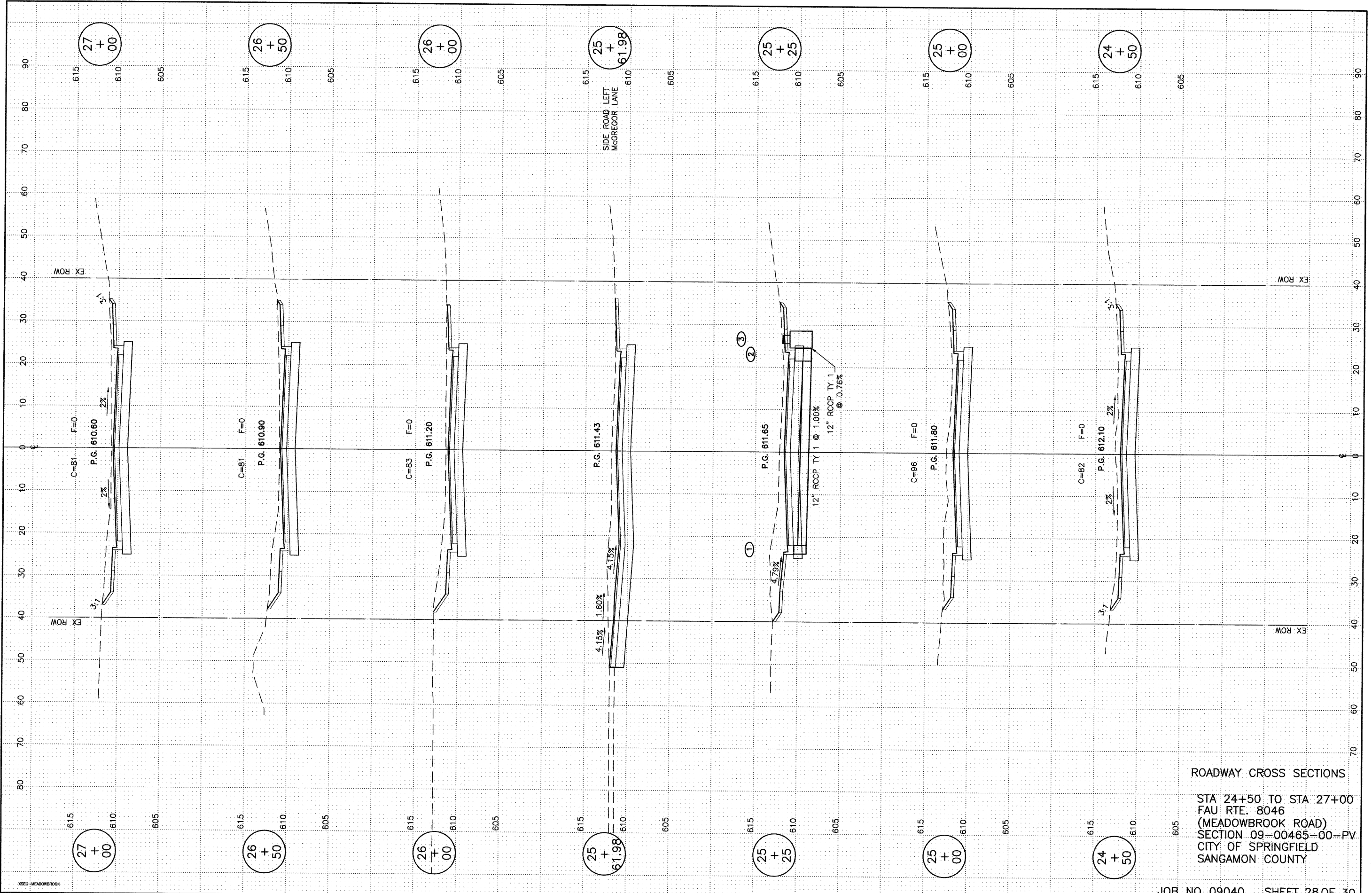
STA 18+20 TO STA 20+50
 FAU RTE. 8046
 (MEADOWBROOK ROAD)
 SECTION 09-00465-00-PV
 CITY OF SPRINGFIELD
 SANGAMON COUNTY



ROADWAY CROSS SECTIONS

STA 21+00 TO STA 24+00
 FAU RTE. 8046
 (MEADOWBROOK ROAD)
 SECTION 09-00465-00-PV
 CITY OF SPRINGFIELD
 SANGAMON COUNTY

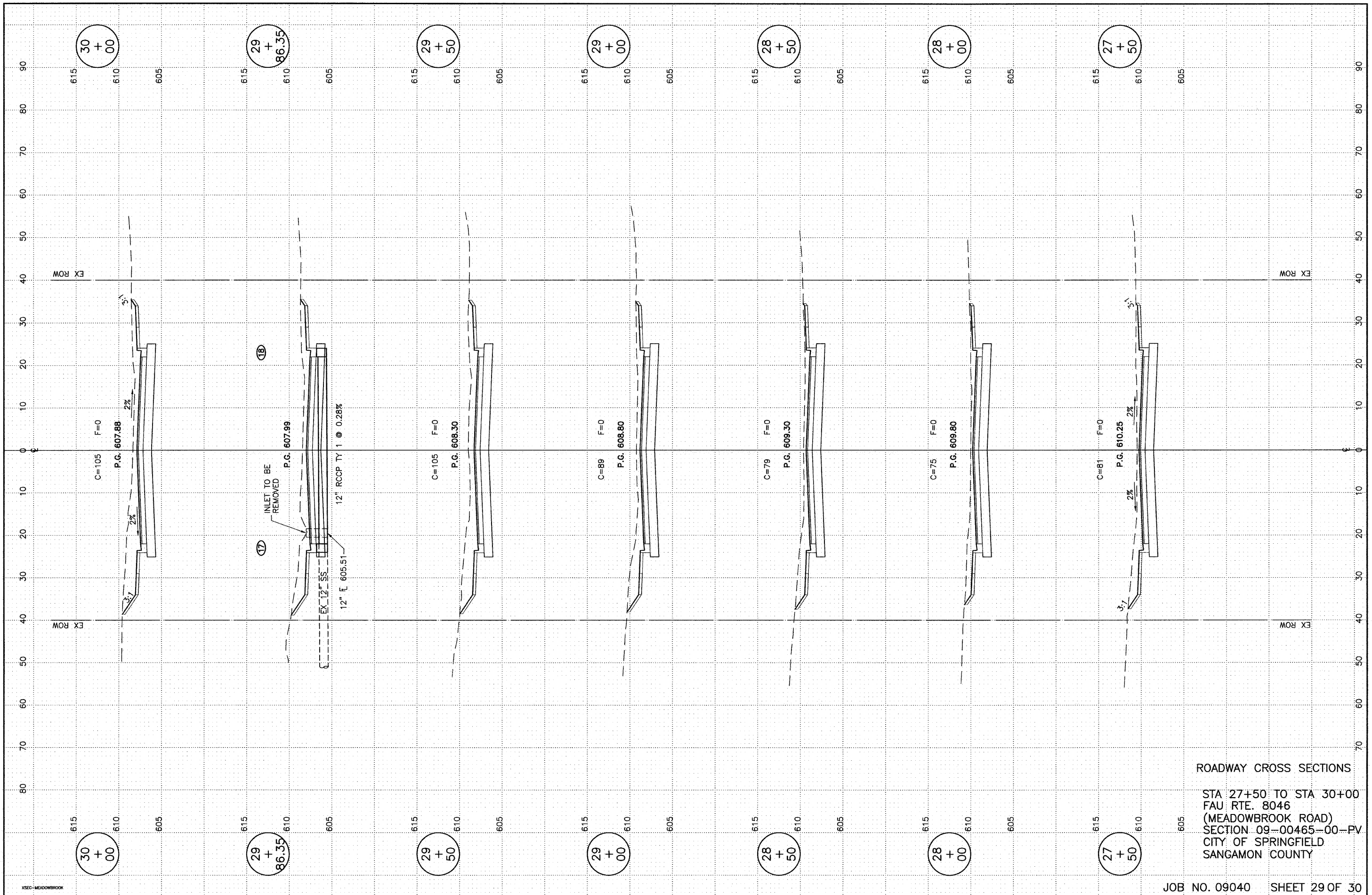
XSEC-MEADOWBROOK



SIDE ROAD LEFT
MCGREGOR LANE

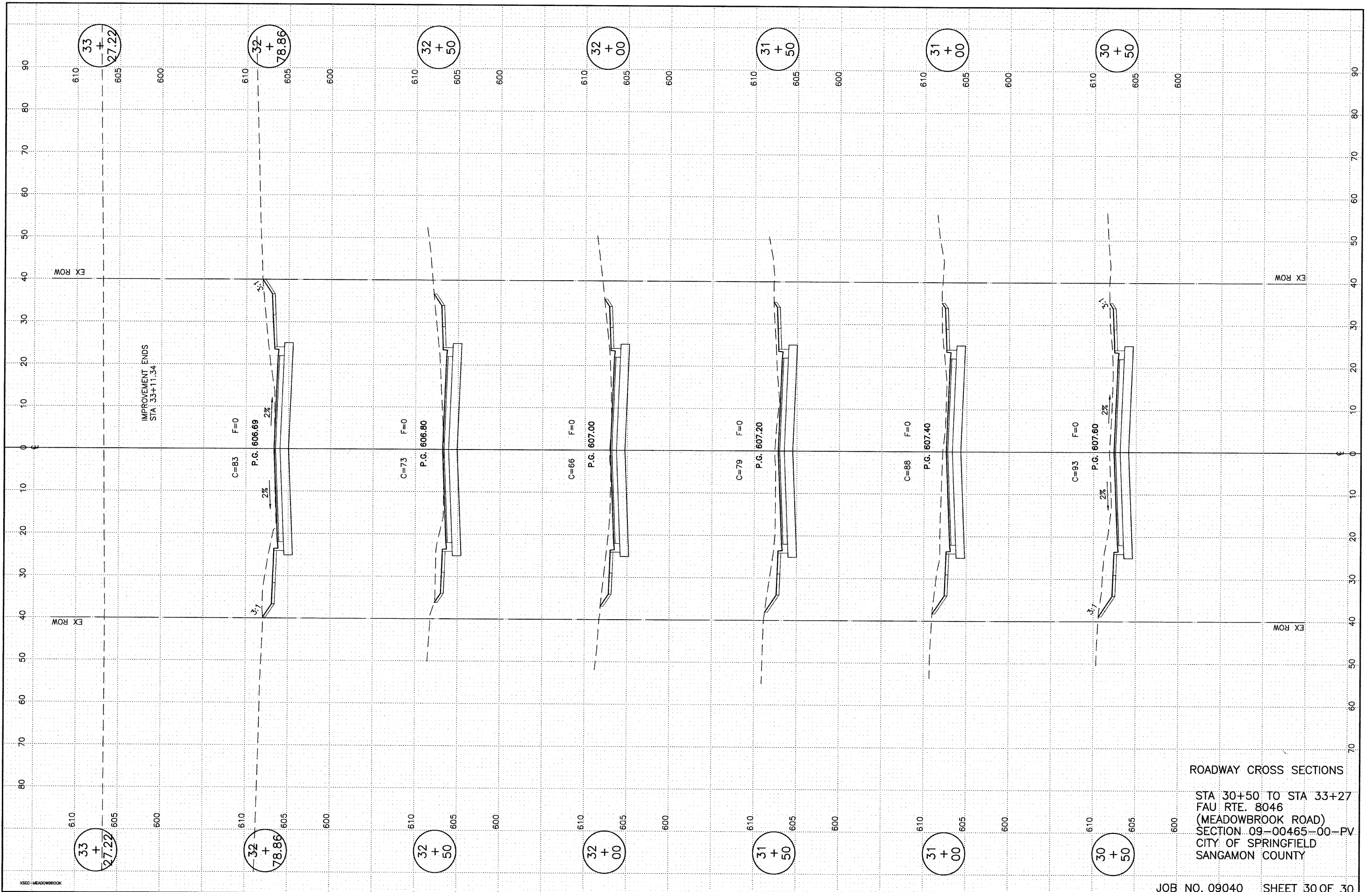
ROADWAY CROSS SECTIONS

STA 24+50 TO STA 27+00
FAU RTE. 8046
(MEADOWBROOK ROAD)
SECTION 09-00465-00-PV
CITY OF SPRINGFIELD
SANGAMON COUNTY



ROADWAY CROSS SECTIONS

STA 27+50 TO STA 30+00
 FAU RTE. 8046
 (MEADOWBROOK ROAD)
 SECTION 09-00465-00-PV
 CITY OF SPRINGFIELD
 SANGAMON COUNTY



ROADWAY CROSS SECTIONS

STA 30+50 TO STA 33+27
FAU RTE. 8046
(MEADOWBROOK ROAD)
SECTION. 09-00465-00-PV.
CITY OF SPRINGFIELD
SANGAMON COUNTY