

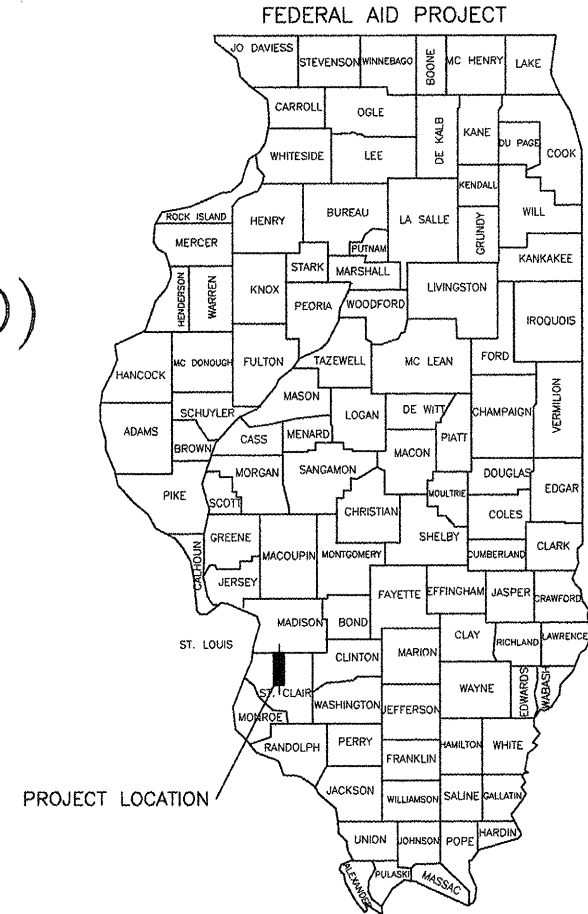
DEPARTMENT OF TRANSPORTATION  
PROPOSED ROADWAY IMPROVEMENTS

FAU 9170/CH 89 (N. GREEN MOUNT RD)  
FAI 64 (I-64) E.B. & W.B. RAMPS  
REGENCY PARK DR / PIERCE BLVD

SECTION NO. 08-00333-12-PW

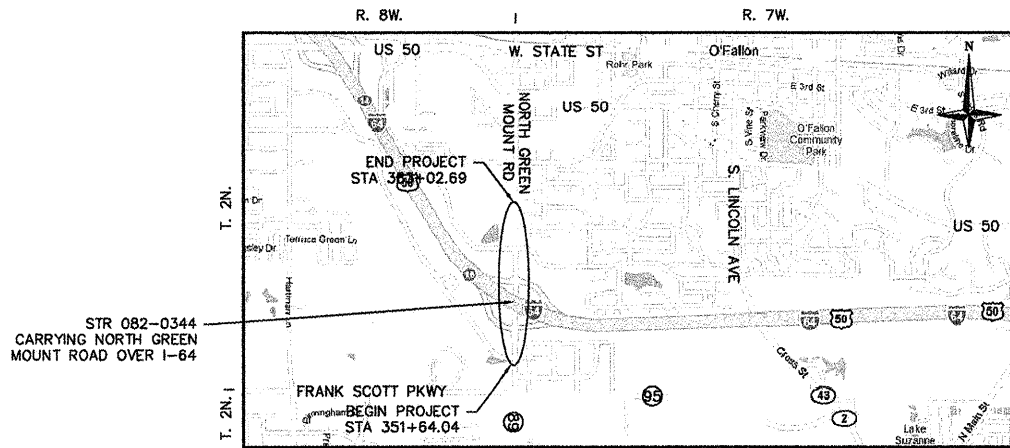
ST. CLAIR COUNTY, ILLINOIS  
CMAQ FUNDS

PROJECT NO. CMM-5011(367)  
JOB NO. C-98-320-12



STATE LOCATION MAP

WIDENING N. GREEN MOUNT RD TO FOUR LANES ACROSS I-64



LOCATION MAP  
1"=1 MI (5280')

FAU 9170 (N. GREEN MOUNT RD)  
URBAN COLLECTOR  
DESIGN SPEED - 50 MPH  
27,220 ADT (2012 CONSTRUCTION YEAR)  
32,490 ADT (2015 DESIGN YEAR)

LENGTH OF PROJECT  
GROSS LENGTH = 3138.65 FT (0.59 MI)  
NET LENGTH = 3138.65 FT (0.59 MI)

PREPARED BY:  
BRIAN COURTWRIGHT, PE  
CRAWFORD, BUNTE, BRAMMEIER  
450 COTTONWOOD ROAD, SUITE B  
GLEN CARBON, IL. 62034  
PHONE: 618-656-2612x12  
FAX: 618-659-0650



*Brian E. Courtwright*  
BRIAN E. COURTWRIGHT  
062-057479  
DATE: 11/30/2013

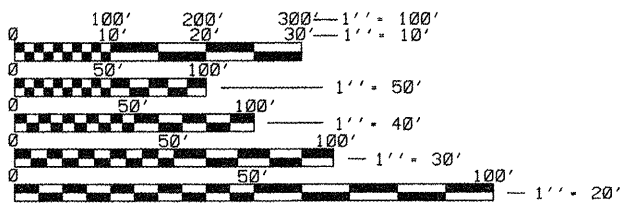
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
APPROVED: *April 18, 2012*  
*J. J. Fule*  
ST. CLAIR COUNTY, COUNTY ENGINEER  
PASSED: *April 24, 2012*  
*J. J. Fule*  
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS  
RELEASING FOR  
LIMITED REVIEW  
*April 24, 2012*  
*Omni Dorman*  
DEPUTY DIRECTOR OF HIGHWAY, REGION 5 ENGINEER

INDEX OF SHEETS

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LIST OF HIGHWAY STANDARDS

000001-06	701001-02
001001-02	701006-03
001006	701011-02
280001-06	701101-02
420001-07	701301-04
420401-08	701426-04
420601-05	701501-06
420701-02	701502-04
424001-06	701701-08
482006-03	701801-05
602301-03	701901-02
602306-03	720001-01
602401-03	720006-03
604001-03	720016-03
604006-04	728001-01
604018-02	731001-01
602601-02	780001-03
602701-02	781001-03
604001-03	782001
606001-04	814001-02
606301-04	857001-01
609006-05	873001-02
630001-10	877001-05
630301-05	878001-09
631031-04	880006-01
635006-03	886001-01
635011-02	886006-01
668001-01	



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.

STR 082-0344  
CARRYING NORTH GREEN  
MOUNT ROAD OVER I-64

Job No. 066-09  
Scale: NTS  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
4/20/12	PS&E

Corporate Engineering Certificate # 000381

CBB Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers  
St. Louis, Missouri/Glen Carbon, Illinois  
St. 314-878-6644 618-656-2612  
Fax: 314-878-5676 E-Mail: cbb@cbbtraffic.com

COVER SHEET  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

**GENERAL NOTES**

- FOR CODED PAY ITEM DESCRIPTION, INCIDENTAL ITEMS, AND ALL MATERIAL SPECIFICATIONS, PLEASE REFER TO THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- ALL TIE BARS, DOWEL BARS, AND ANY OTHER COMPONENTS REQUIRED TO CONSTRUCT THE CONCRETE CURB SHALL BE INCLUDED IN THE CONTRACT COST OF THE CONCRETE CURB.
- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- THE OFFSETS TO ALL INLETS AND MANHOLES ARE TO THE CENTER OF THE DRAINAGE STRUCTURE. A CONCENTRIC DRAINAGE STRUCTURE WAS USED TO CALCULATE THIS DISTANCE.
- DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS STATED OTHERWISE ON THE PLANS.
- THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, AS SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IF ADDITIONAL AREAS DISTURBED ARE OUTSIDE OF THE EXISTING ROW, WRITTEN PERMISSION FROM THE PROPERTY OWNER SHALL BE OBTAINED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.
- ALL EXISTING ROADWAY FEATURES (SUCH AS CULVERTS, HEADWALLS, RIP RAP, CURB, PAVEMENT, FENCING, ETC.) LOCATED WITHIN THE CONSTRUCTION LIMITS ARE TO BE REMOVED UNLESS NOTED OTHERWISE ON THE PLANS.
- EVERY TREE SHALL BE SAVED, IF POSSIBLE. THE ENGINEER IN THE FIELD WILL VERIFY AND MARK ALL TREES REQUIRED TO BE REMOVED. SHALL THE ENGINEER'S DECISION INCREASE OR DECREASE THE QUANTITIES OF WORK TO BE PERFORMED FROM THE PLANS, THE CONTRACTOR SHALL ACCEPT PAYMENT AS STATED IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS. TREES OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS DESIGNATED BY THE ENGINEER.
- ANY CULVERTS DAMAGED BY OR REMOVED BY THE CONTRACTOR (OTHER THAN THOSE NOTED ON THE PLANS TO BE REMOVED) WILL HAVE TO BE REMOVED AND/ OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING IDOT AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.
- IT IS NOT WARRANTED THAT THIS DOCUMENT CONTAINS COMPLETE INFORMATION REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, RIGHT-OF-WAY, BUILDING LINE SETBACKS AND OTHER ENCUMBRANCES. FOR COMPLETE INFORMATION, A TITLE OPINION OR COMMITMENT FOR TITLE INSURANCE SHOULD BE OBTAINED AND THOROUGHLY REVIEWED.
- ANY FACILITIES OR APPURTENANCES, WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION, SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGE HIS OPERATIONS, IN ORDER THAT, THE UTILITY'S OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.
- THE TYPE, SIZE AND LOCATION OF UTILITIES, AS DELINEATED IN THESE TOPOGRAPHIC LAND SURVEY DOCUMENTS AND/OR CIVIL ENGINEERING DESIGN DOCUMENTS, HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING "AS-BUILT" OR RECORD DRAWINGS, FIELD SURVEY OF J.U.L.I.E. MARKED UTILITIES OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE DOCUMENTS; THEREFORE THEIR EXACT LOCATION, SIZE AND FUNCTION MUST BE CONSIDERED APPROXIMATE AND MUST BE FIELD CONFIRMED BY THE CONTRACTOR.
- THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCIES EXIST BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS (WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST OR PERFORMANCE OF THIS PROJECT), THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.

**TRAFFIC CONTROL NOTES**

- ALL TRAFFIC CONTROL (INCLUDING, BUT NOT LIMITED TO WORK ZONE, TEMPORARY AND PERMANENT) SHALL BE FURNISHED, INSTALLED, MAINTAINED, RELOCATED AND/ OR REMOVED IN ACCORDANCE WITH SECTION 701 OF THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTING.
- NO OVERNIGHT LANE CLOSURES SHALL BE ALLOWED.
- TRAFFIC CONTROL SIGNS SHALL BE 48" FLUORESCENT ORANGE.
- ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT LIMITS, PLUS THE INTERSECTING SIDE ROADS AND IS INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS AND ARE SHOWN ON THE TRAFFIC CONTROL PLANS.
- FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED
- ALL TRAFFIC CONTROL SIGNS SHALL BE SKID MOUNTED.

**EROSION CONTROL NOTES**

- ALL AREAS DISTURBED FOR ANY REASON, OR AS DIRECTED BY THE ENGINEER, SHALL BE SEEDED WITH CLASS 2A SEEDING, MULCH AND THE NECESSARY NUTRIENTS AS DIRECTED BY THE ENGINEER. SEEDING AND NUTRIENTS SHALL CONFORM TO SECTION 250 AND MULCH SHALL CONFORM TO SECTION 251 USING METHOD 2 OR 3.
- TEMPORARY SEEDING AND MULCH SHALL BE PERFORMED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 90 LBS/ACRE. THIS WORK WILL BE PAID FOR AS "TEMPORARY EROSION CONTROL SEEDING", WHICH WILL INCLUDE MULCH
- STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE (IF SPECIFIED), ENVIROBERM, TRIANGULAR SILT DIKES, GEORIDGE AND ROLLED EXCELSIOR.
- ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE LOCATED AS SHOWN ON THE EROSION CONTROL PLAN AND SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF SITE. IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS (OR IF THE EROSION PLAN STRUCTURES BECOME DAMAGED), THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE OR INSTALL EROSION CONTROL STRUCTURES TO INSURE OFF-SITE WATER DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION DAMAGE WHICH OCCURS OFF-SITE SHALL REPAIRED BY THE CONTRACTOR AT HIS/ HER EXPENSE.

**COMMITMENTS FOR THIS PROJECT ARE AS FOLLOWS:**

- THE COUNTY WILL COORDINATE THE TRAFFIC CONTROL DURING CONSTRUCTION FOR THE RAMPS WITH THE DEPARTMENT OF TRANSPORTATION, BEFORE THE PROJECT IS INCLUDED ON A LETTING.

**BENCHMARK & CONTROL POINTS**

PNT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	685805.40	2364470.99	558.77	1/2"x24" IRON PIN SET W/ CAP
6	684823.64	2364563.15	556.73	1/2"x24" IRON PIN SET W/ CAP
8	694132.77	2364429.48	541.84	1/2"x24" IRON PIN SET W/ CAP
9	688535.59	2384457.16	550.89	1/2"x24" IRON PIN SET
46	696481.0	2364589.0	555.28	BOLT ON HYDRANT BETWEEN "E" AND "L"
47	694752.0	2364444.0	555.56	CHISELED SQUARE FOUND

**LIST OF UTILITIES**

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (800-892-0123) OR FOR NON-MEMBER, THE UTILITY COMPANY DIRECTLY.

AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- KIM VOYPICK  
AMEREN IP  
1050 WEST BOULEVARD  
BELLEVILLE, IL 62222
- DEAN LITZENBERG  
AT&T  
203 GOETHE AVENUE  
COLLINSVILLE, IL 62234
- DENNIS SULLIVAN  
CITY OF O'FALLON  
255 SOUTH LINCOLN  
O'FALLON, IL 62269
- CASEVILLE TOWNSHIP ADVANCED WASTEWATER TREATMENT SYSTEM  
#1 ECOLOGY DRIVE  
O'FALLON, IL 62269
- ILLINOIS DEPARTMENT OF TRANSPORTATION  
1102 EASTPORT PLAZA DRIVE  
COLLINSVILLE, IL 62234
- ST. CLAIR COUNTY HIGHWAY DEPARTMENT  
1415 NORTH BELT WEST  
BELLEVILLE, IL 62222
- CHARTER COMMUNICATIONS  
7845 MAGNA DRIVE, STE 100  
BELLEVILLE, IL 62223

**EXISTING LEGEND**

- IRON PIN/PIPE FOUND
- IRON PIN SET
- ⊗ BRASS MARKER
- ✕ CUT 'X' FOUND
- ⊕ BENCHMARK
- ⊗ LIGHT POLE
- ⊕ ELECTRIC METER
- ⊕ ELECTRIC MANHOLE
- ⊕ ELECTRIC RISER
- ⊕ HAND HOLE
- ⊕ ELECTRIC TRANSFORMER
- ⊕ BEEHIVE INLET
- BRIDGE DRAIN
- ▷ FLARED END SECTION
- GRATE INLET
- ⊕ CURB INLET
- ⊕ JUNCTION BOX
- ⊕ STORM MANHOLE
- ⊕ CONCRETE SLAB
- CONCRETE MONUMENT FOUND
- ⊕ GAS SIGN
- ⊕ GAS VALVE
- ⊕ SANITARY MANHOLE
- ⊕ COMBO LEFT TURN STRIPING
- ⊕ COMBO RIGHT TURN STRIPING
- ⊕ LEFT TURN ARROW
- ⊕ RIGHT TURN ARROW
- ⊕ STRAIGHT THRU ARROW
- ⊕ EXIST. STOP SIGN
- ⊕ TRAFFIC SIGNAL CONTROL BOX
- ⊕ TRAFFIC SIGNAL MAST ARM
- ⊕ FIRE HYDRANT
- ⊕ GATE VALVE
- ⊕ TELEPHONE RISER
- ⊕ TELEPHONE MANHOLE
- ⊕ DECIDUOUS TREE
- CENTER LINE
- RIGHT OF WAY
- SECTION LINE
- DITCH LINE
- ELECTRIC UNDERGROUND
- FENCE LINE
- GAS MAIN LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- UNDER GROUND TELEPHONE
- WATER LINE
- RIP RAP EDGE
- TOP OF BANK
- TOE OF SLOPE
- MAJOR CONTOUR
- MINOR CONTOUR
- YELLOW PAVEMENT MARKINGS
- WHITE PAVEMENT MARKINGS

**REMOVAL LEGEND**

- (TBR) - TO BE REMOVED
- (TBR&R) - TO BE REMOVED & RELOCATED
- (UIP) - USE IN PLACE
- (ATG) - ADJUST TO GRADE
- PR - PROPOSED
- EX - EXISTING
- ▨ - REMOVAL ITEM

**PROPOSED LEGEND**

- (UIP) - USE IN PLACE
- CONC - CONCRETE
- TEMP - TEMPORARY
- PAVT - PAVEMENT
- PR - PROPOSED
- EX - EXISTING
- ▨ - PR PCC
- ▨ - PR HMA SHOULDERS
- - PR CONSTRUCTION LIMIT
- - PR GUARDRAIL

**EROSION CONTROL PLAN LEGEND**

- ▨ PERIMETER EROSION CONTROL BARRIER
- ⊕ INLET & PIPE PROTECTION
- ⊕ TEMPORARY DITCH CHECK
- ▨ AREA TO BE TEMP. SEEDED AND SEEDING CLASS 2A

Job No. 088-09  
Scale: NTS  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: 810b Plans

ISSUE RECORD

DATE

Corporate Engineering Certificate # 000387

**CBB** Crawford, Bunte, Brammeyer Traffic and Transportation Engineers  
St. Louis, Missouri/Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**GENERAL NOTES, COMMITMENTS & STDS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	TOTAL	ROADWAY	SIGNALS
20200600	EARTH EXCAVATION (WIDENING)	CU YD	388.1	388.1	
20400800	FURNISHED EXCAVATION	CU YD	677.3	677.3	
20800150	TRENCH BACKFILL	CU YD	104.4	104.4	
25000210	SEEDING, CLASS 2A	ACRE	1.3	1.3	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	117	117	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	117	117	
25000800	POTASSIUM FERTILIZER NUTRIENT	POUND	117	117	
25100115	MULCH, METHOD 2	ACRE	1.3	1.3	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	611.0	611.0	
28000305	TEMPORARY DITCH CHECKS	FOOT	3	3	
28000400	PERIMETER EROSION BARRIER	FOOT	2740	2740	
28000500	INLET AND PIPE PROTECTION	EACH	13	13	
31000800	PROCESSING LIME STABILIZED SOIL MIXTURE 12"	SQ YD	3713	3713	
31001500	LIME	TON	77	77	
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	3083	3083	
40800100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4	4	
42000400	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	2400	2400	
42001185	BRIDGE APPROACH PAVEMENT	SQ YD	57	57	
42001200	PAVEMENT FABRIC	SQ YD	2400	2400	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	110	110	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	755	755	
42400800	DETECTABLE WARNINGS	SQ FT	44	44	
44000100	PAVEMENT REMOVAL	SQ YD	155	155	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	135	135	
44000300	CURB REMOVAL	FOOT	436	436	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1007	1007	
44000800	SIDEWALK REMOVAL	SQ FT	934	934	
44003100	MEDIAN REMOVAL	SQ FT	1953	1953	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1724	1724	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	107	107	
48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	881	881	
54248510	CONCRETE COLLAR	CU YD	2.7	2.7	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	18	18	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	335	335	
55100500	STORM SEWER REMOVAL 12"	FOOT	402	402	
54213880	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	
60100080	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1	
60100845	PIPE DRAINS 12"	FOOT	60	60	
60107700	PIPE UNDERDRAINS 6"	FOOT	1887	1887	
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3	3	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	1	
60235800	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	EACH	4	4	
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	1	
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60500080	REMOVING INLETS	EACH	11	11	
60803500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-8.06	FOOT	110	110	
60805000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-8.24	FOOT	581	581	
60518300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	207	207	
60825900	P.C.C. RAMPED MEDIAN TERMINAL	EACH	8	8	
60800140	TYPE B INLET BOX STANDARD 608008	EACH	1	1	
60800315	TYPE D INLET BOX STANDARD 608008	EACH	1	1	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	396	396	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2	
* 63100187	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	
63200310	GUARDRAIL REMOVAL	FOOT	472	472	
68101180	HOT-MIX ASPHALT SHOULDER CURB	FOOT	542	542	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70102822	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	0.25	0.75
70102835	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	

SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	TOTAL	ROADWAY	SIGNALS
70102840	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	62	62	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	191.7	191.7	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3135	3135	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	447	447	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	344	344	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	181	181	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2231.8	2231.8	
72000100	SIGN PANEL - TYPE 1	SQ FT	28.3	28.3	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	12.6	12.6	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	24.2	24.2	
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	15.3	15.3	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	84	84	
73000100	WOOD SIGN SUPPORT	FOOT	125	125	
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	5	5	
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	191.7	191.7	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	3135	3135	
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	447	447	
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	344	344	
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	181	181	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	48	48	
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	8	8	
* 78200300	PRISMATIC CURB REFLECTOR	EACH	60	60	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1978	1978	
* 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	148		148
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	587		587
* 81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	878		878
* 81400100	HANDHOLE	EACH	8		8
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6075		6075
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1944		1944
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5488		5488
* 87301800	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	818		818
* 87301705	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 3 PAIR	FOOT	984		984
* 87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	2		2
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1
* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6		6
* 87800415	CONCRETE FOUNDATION, TYPE E 38-INCH DIAMETER	FOOT	22		22
* 87900200	DRILL EXISTING HANDHOLE	EACH	10		10
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2		2
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
* 88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
* 88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, BRACKET MOUNTED	EACH	4		4
* 88040330	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3-SECTION, BRACKET MOUNTED	EACH	2		2
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	17		17
* 88800100	DETECTOR LOOP, TYPE I	FOOT	5473		5473
* 88800100	RELOCATE EXISTING SIGNAL HEAD	EACH	14		14
* 88802200	MODIFY EXISTING CONTROLLER	EACH	1		1
* 88802350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1178		1178
* 88802375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3		3
* 88802380	REMOVE EXISTING HANDHOLE	EACH	2		2
* 88802385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2		2
X0301271	REMOVE EXISTING UNDERDRAINS	FOOT	1677		1677
X0328657	RELOCATE SIGN, SPECIAL	EACH	4		4
X8016000	REMOVE CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1		1
Z0036200	PAINT CURB	FOOT	542		542
Z0078800	TRANEES	HRS	500		500

▲ 0042

\* SPECIALTY ITEM

F.A.U. RTE.	SECTION	COUNTY
8170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
3 of 55

Job No. 088-09  
Scale: NTS  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD  
DATE

Corporate Engineering Certificate # 000381

**CBB** Crawford, Bunte, Brammeyer  
Traffic and Transportation Engineers  
St. Louis, Missouri/Clair Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

SUMMARY OF QUANTITIES  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP & REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

Job No. 086-09  
Scale: 1"=5'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE

Corporate Engineering Certificate # 000881

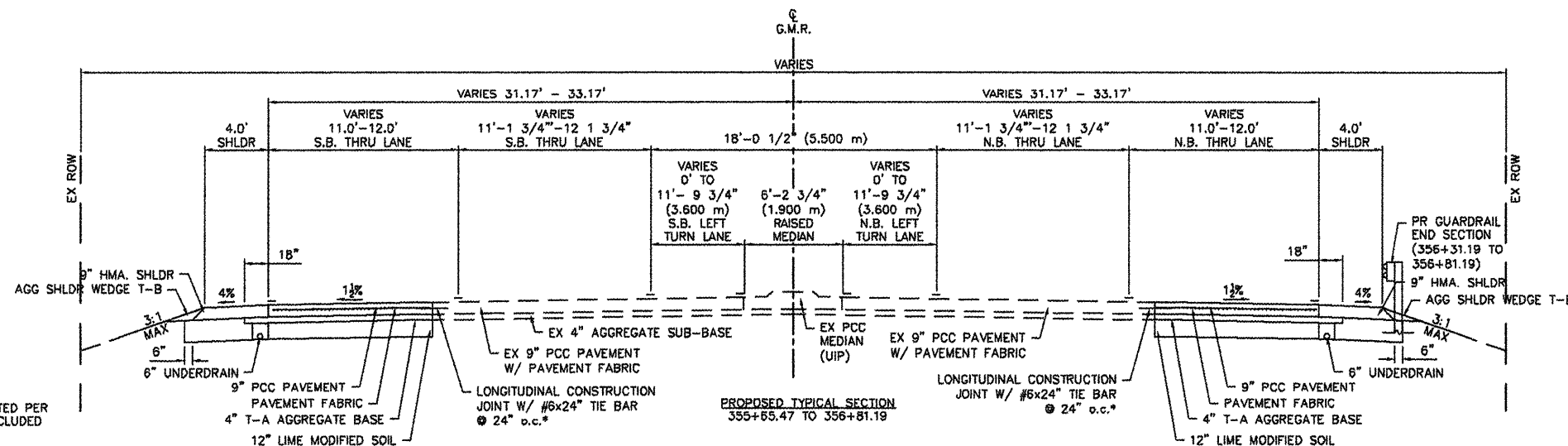
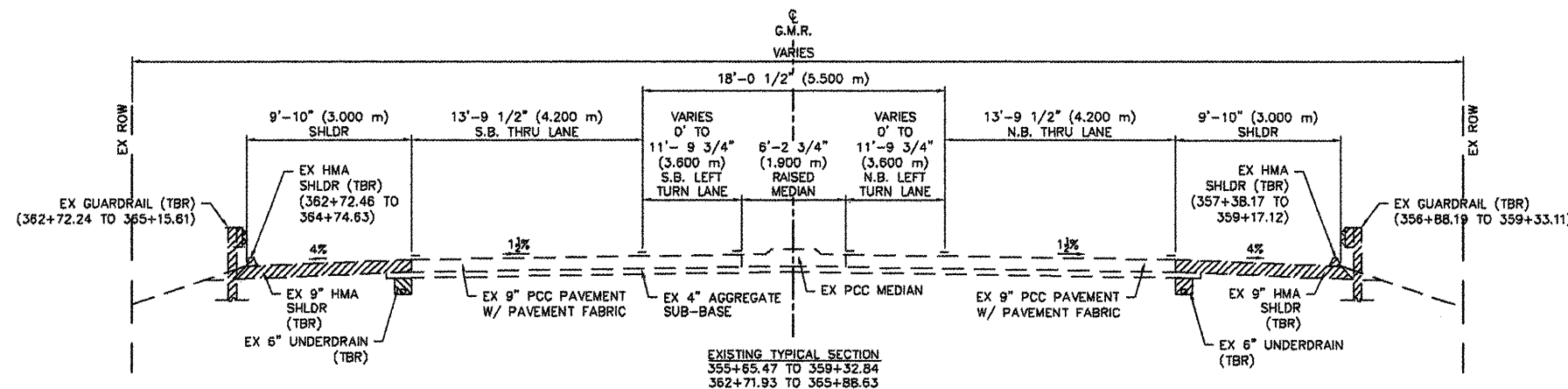
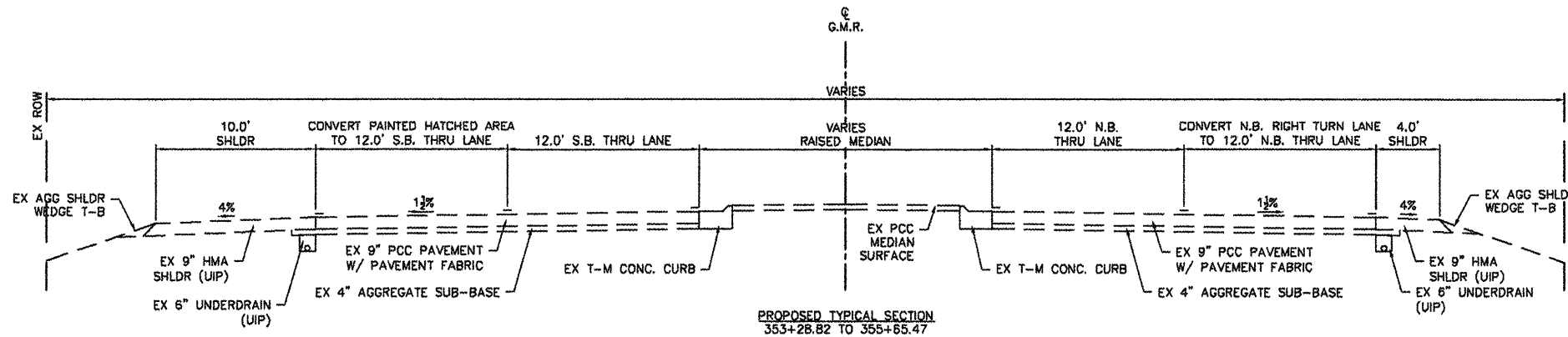
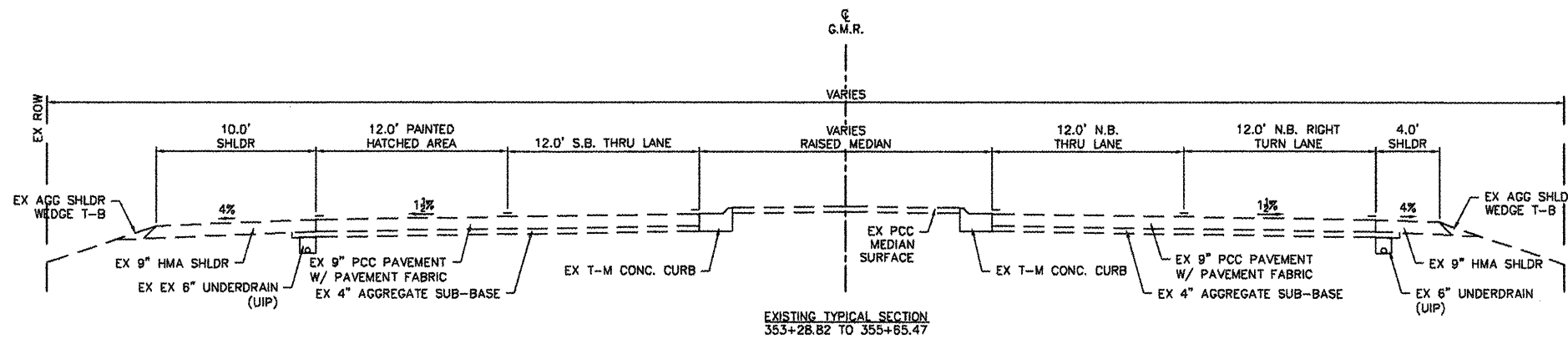
CIVIL ENGINEER  
4/20/12



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TYPICAL SECTIONS

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



MIXTURE REQUIREMENT CHART

MIXTURE USE	SHLDR 9"
ACPG	PG 58-22
RAP% (MAX)	30%
DESIGN AIR VOIDS	2.0% @ N <sub>90</sub>
MIX COMPOSITION (GRADATION MIXTURE)	BAM
FRICION AGG	BAM

\* TOP LIFT OF SHOULDER - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

F.A.U. RTE.	SECTION	COUNTY
91TD	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

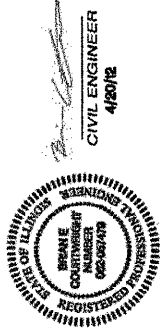
\*LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED PER STANDARD 420001 AND THE COST OF WHICH SHALL BE INCLUDED IN PAY ITEM PCC PAVEMENT 9" PER SECTION 420 OF THE STANDARD SPECIFICATIONS

Job No. 088-09  
Scale: 1"=5'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shloh Plans

ISSUE RECORD

DATE	DESCRIPTION
PS&E 4/20/12	

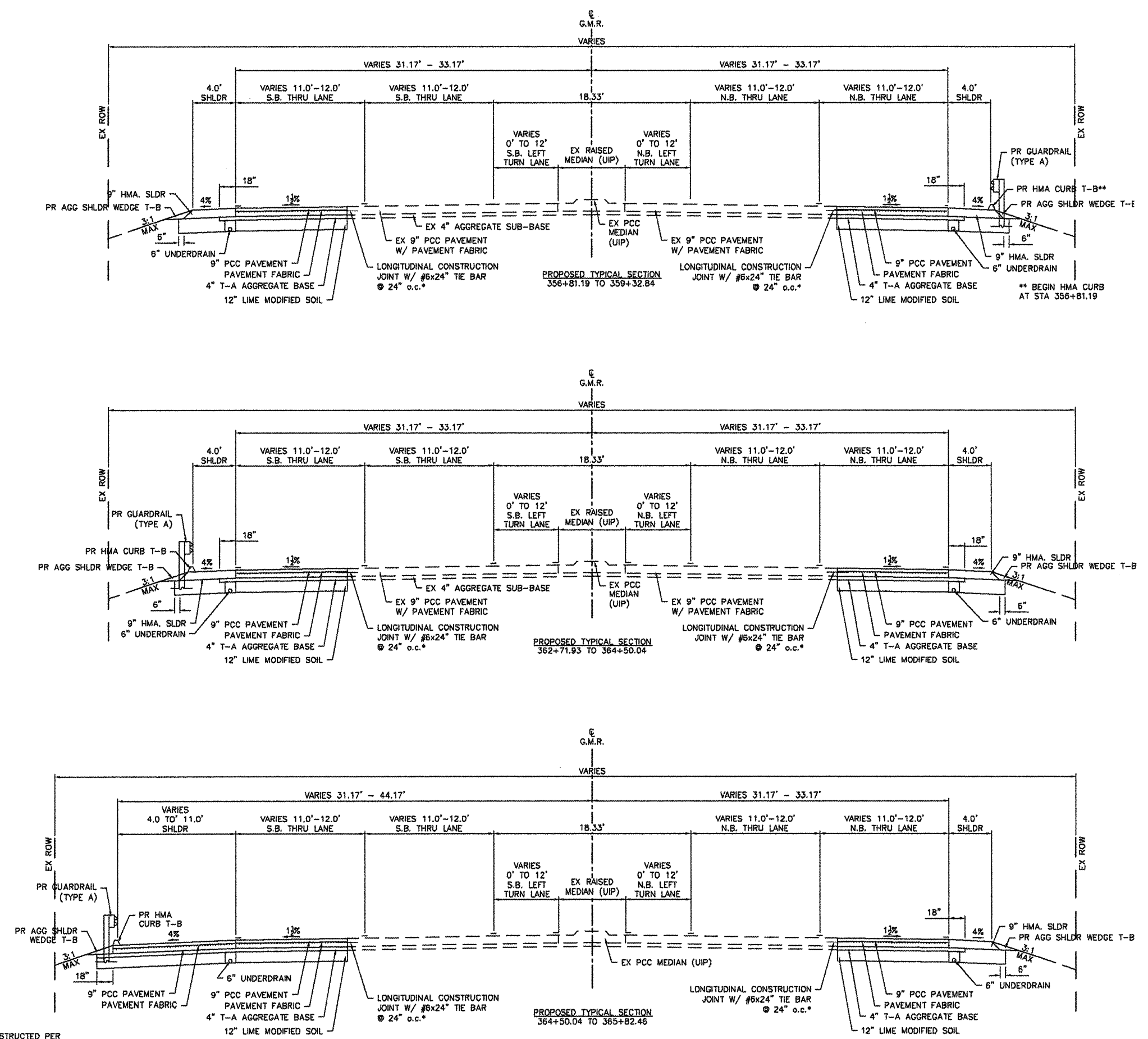
Corporate Engineering Certificate # 000367



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TYPICAL SECTIONS

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



MIXTURE REQUIREMENT CHART

MIXTURE USE	SHLDR 8"
ACIPG	PG 58-22
RAP% (MAX)	30%
DESIGN AIR VOIDS	2.0% @ N <sub>90</sub>
MIX COMPOSITION (GRADATION MIXTURE)	
FRICTION AGG	BAM

\* TOP LIFT OF SHOULDER - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

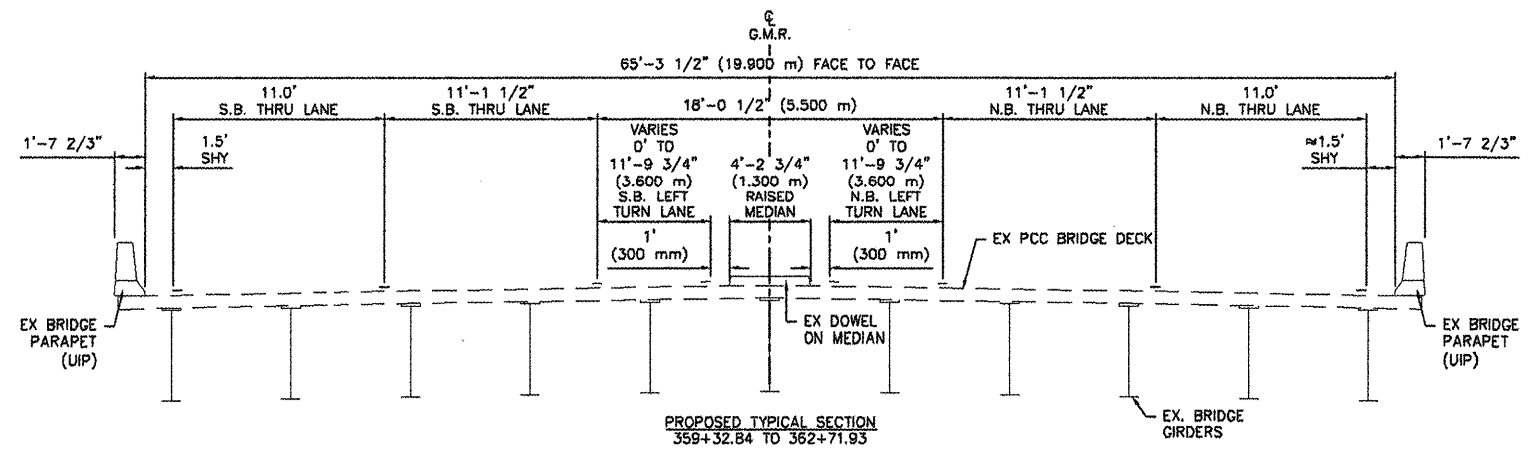
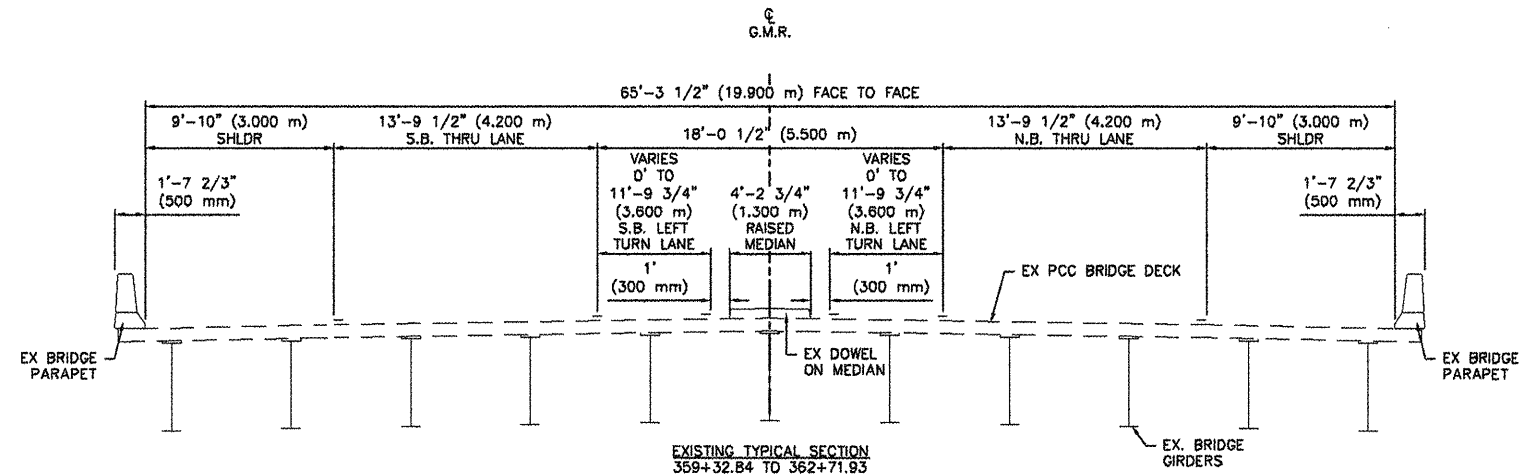
F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

\*LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED PER STANDARD 420001 AND THE COST OF WHICH SHALL BE INCLUDED IN PAY ITEM PCC PAVEMENT 9" PER SECTION 420 OF THE STANDARD SPECIFICATIONS

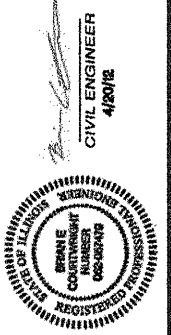
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Scale: 1"=5'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
PS&E 4/20/12	



Corporate Engineering Certificate # 000381



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**TYPICAL SECTIONS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
91TD	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Job No. 088-09  
Scale: 1"=5'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

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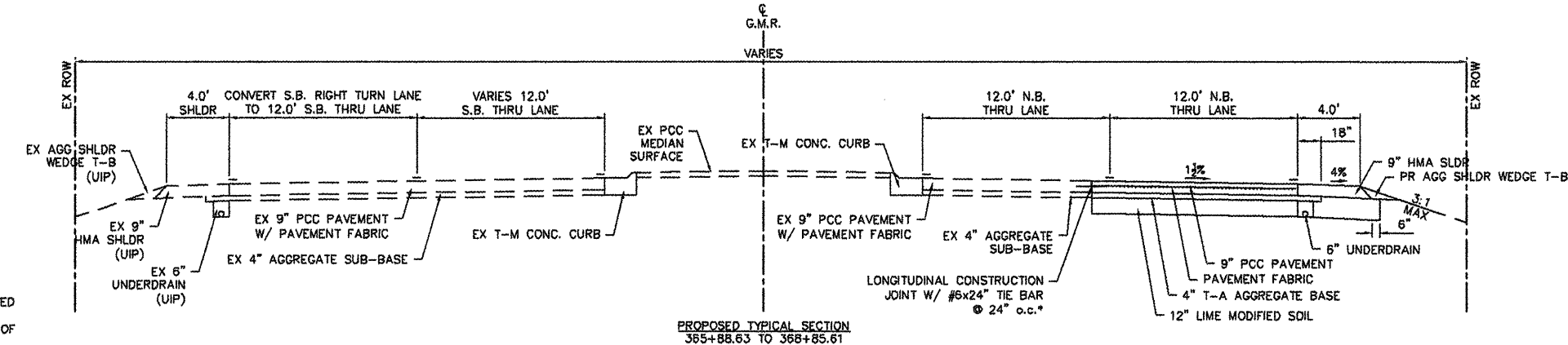
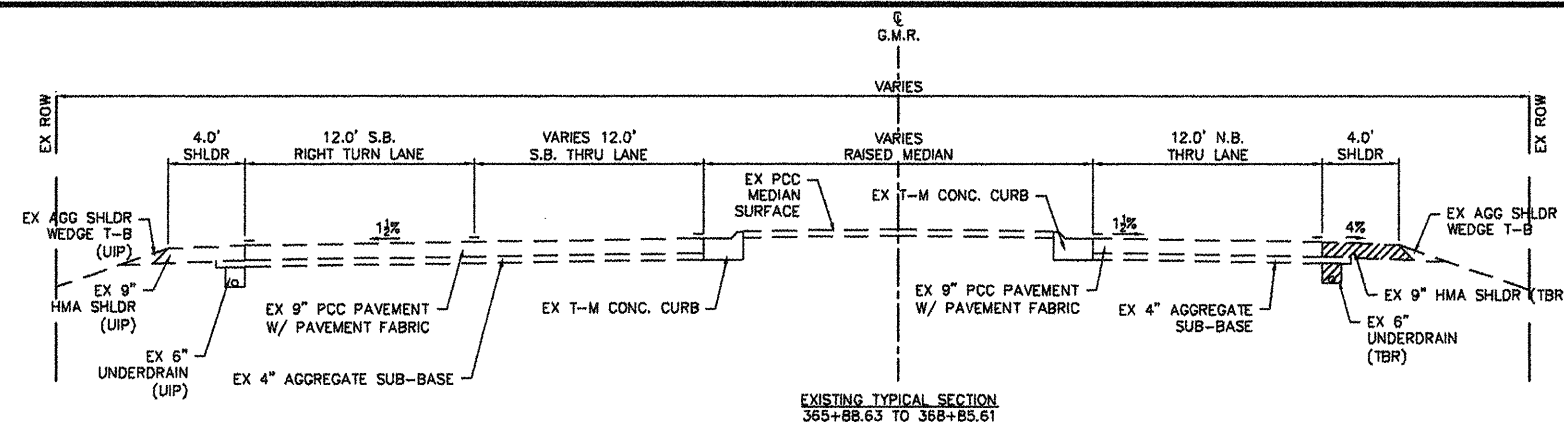
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DATE

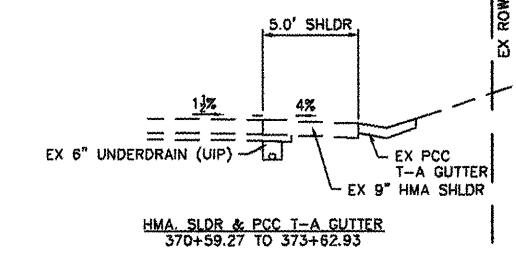
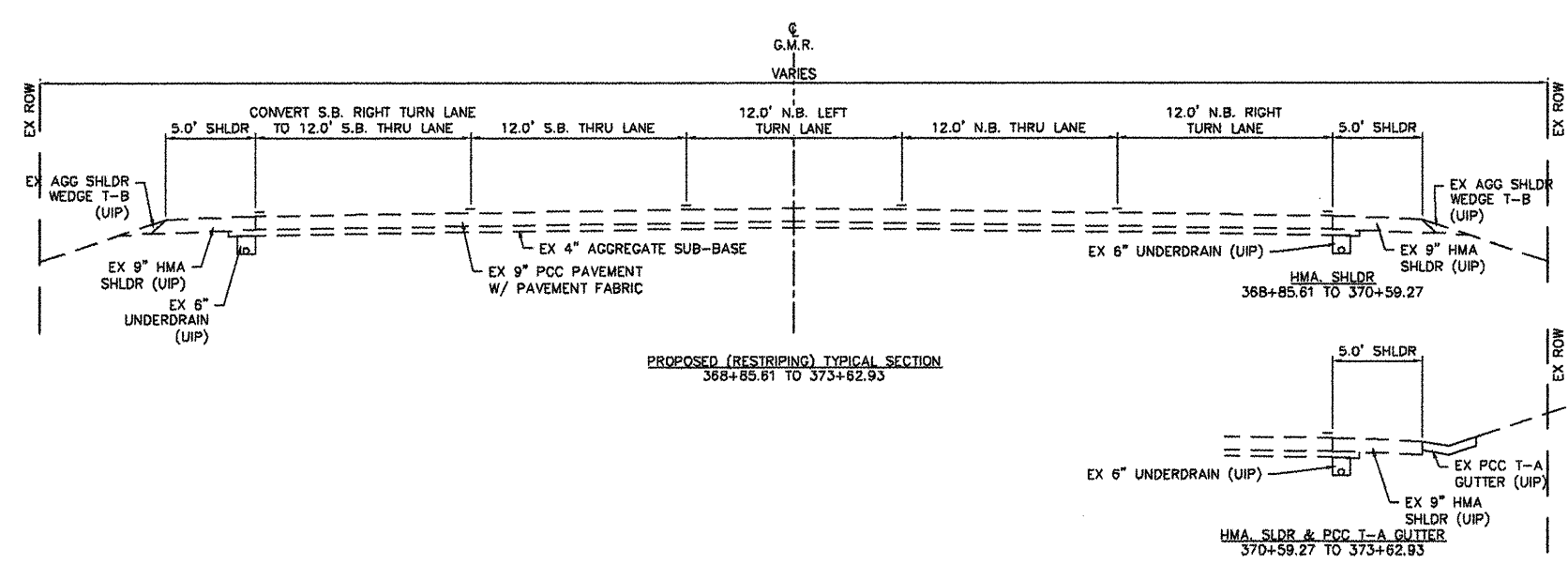
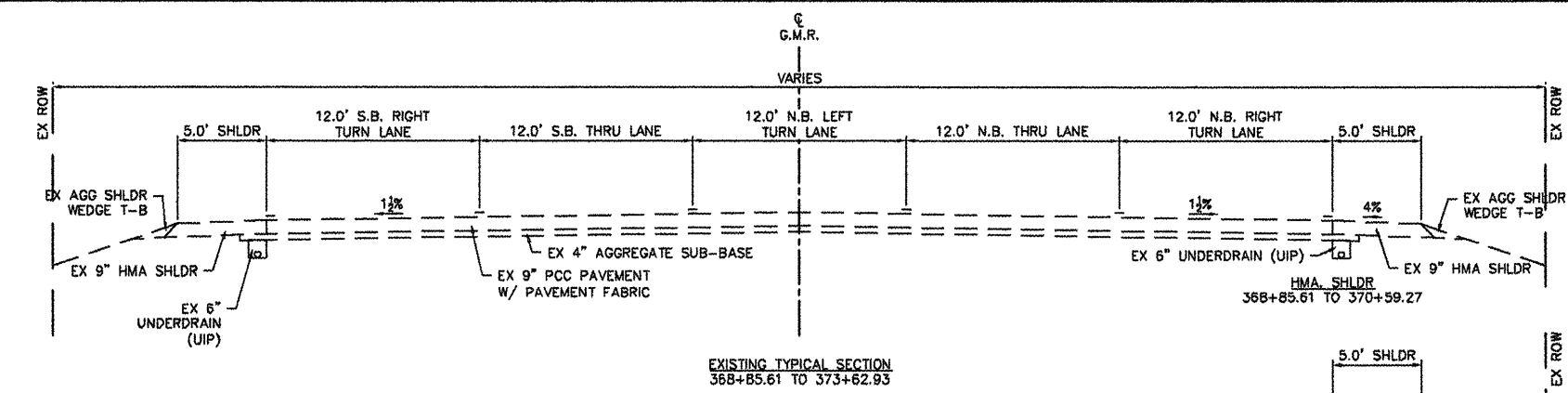
ISSUE

DESCRIPTION

DATE



\* LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED PER STANDARD 420001 AND THE COST OF WHICH SHALL BE INCLUDED IN PAY ITEM PCC PAVEMENT 9" PER SECTION 420 OF THE STANDARD SPECIFICATIONS



MIXTURE REQUIREMENT CHART	
MIXTURE USE	SHLDR 8"
ACPG	PG 98.22
RAP% (MAX)	30%
DESIGN AIR VOIDS	2.0% @ N <sub>10</sub>
MIX COMPOSITION (GRADATION MIXTURE)	BAM
FRICION AGG	BAM

\* TOP LIFT OF SHOULDER - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12



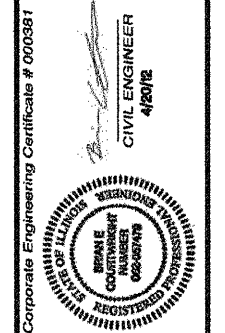
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TYPICAL SECTIONS

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

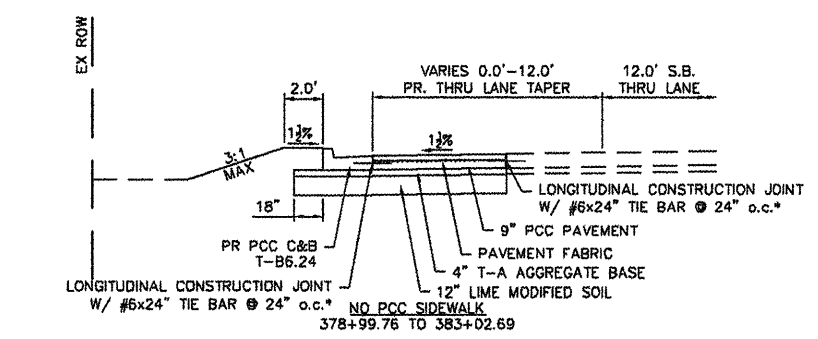
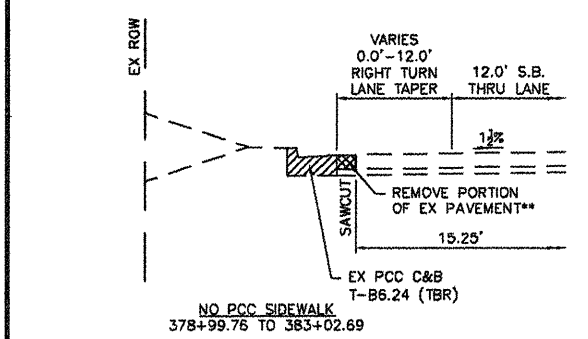
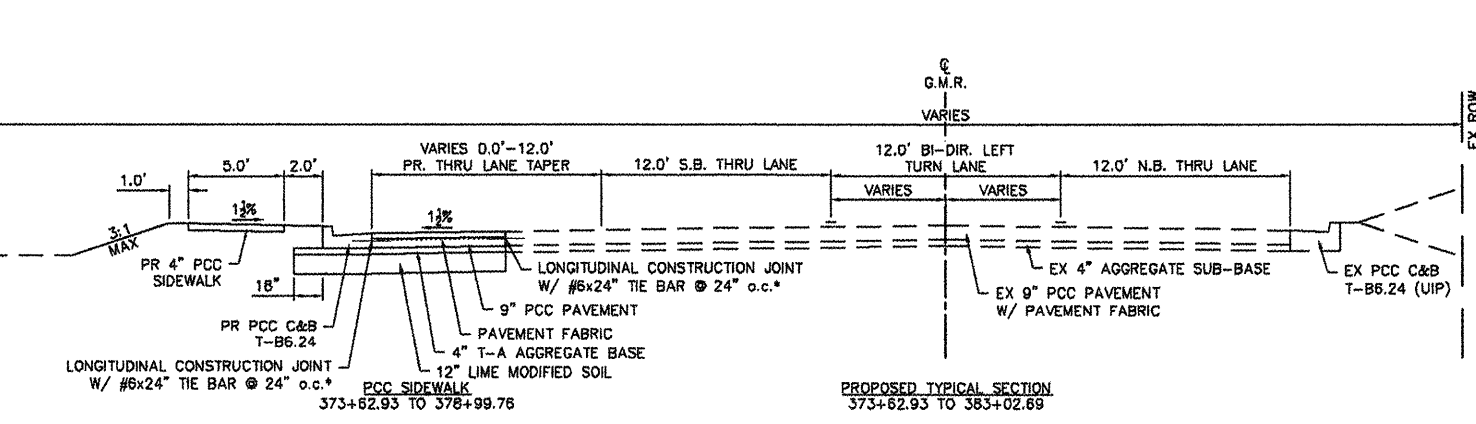
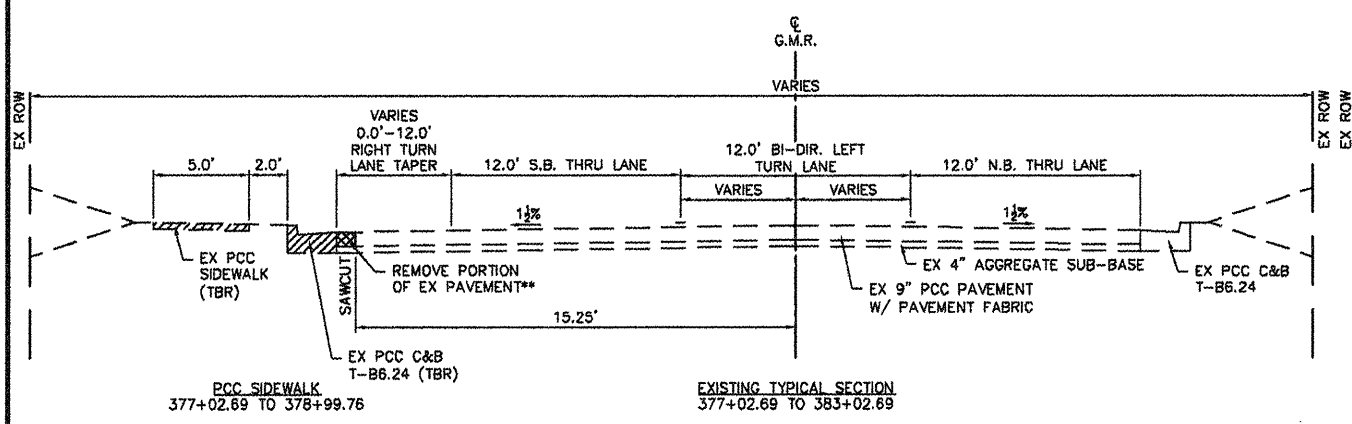
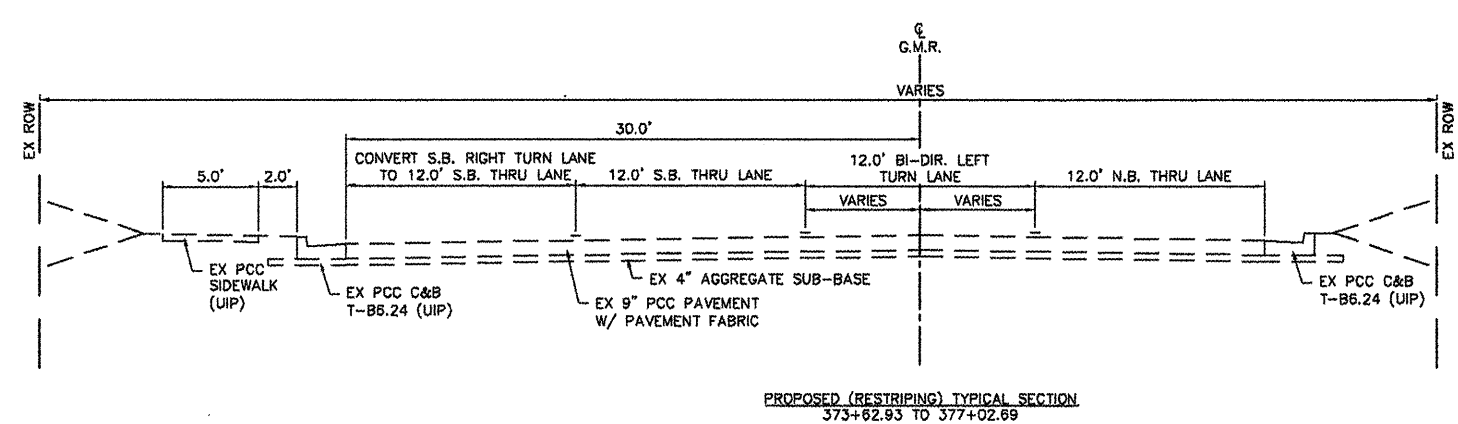
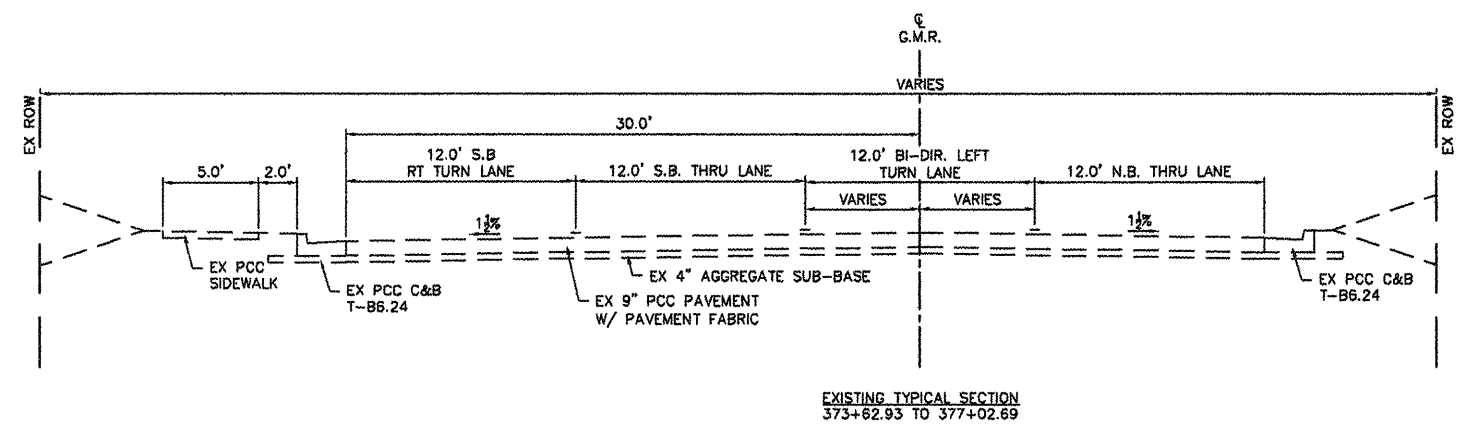
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Scale: 1"=5'  
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Design by: BEC  
Approved by: CMB  
File Name: 810b Plans

ISSUE RECORD	
DATE	DESCRIPTION
1/28/12	PS&E 4/28/12



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**TYPICAL SECTIONS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



\*LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED PER STANDARD 420001 AND THE COST OF WHICH SHALL BE INCLUDED IN PAY ITEM PCC PAVEMENT 9" PER SECTION 420 OF THE STANDARD SPECIFICATIONS

\*\* THE COST OF REMOVING THE SMALL PORTION OF THE EXISTING PAVEMENT (FROM THE PROPOSED SAW CUT TO THE EXISTING EDGE OF PAVEMENT) SHALL BE INCLUDED IN THE COST OF CONCRETE CURB AND GUTTER REMOVAL.

MIXTURE USE	SHLDR 8"
ACPG	PG 58-22
RAP% (MAX)	30%
DESIGN AIR VOIDS	2.0% @ N <sub>95</sub>
MIX COMPOSITION (GRADATION MIXTURE)	BAM
FRICION AGG	BAM

\* TOP LIFT OF SHOULDER - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

F.A.U. RTE.	SECTION	COUNTY
91TD	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	



Job No. 088-09  
Scale: NTS  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: 5hsh Plan

ISSUE RECORD  
DATE PS&E 4/20/12

Corporate Engineering Certificate # 000361  
CIVIL ENGINEER  
4/20/12

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Fax: 314-878-5876 E-Mail: cbb@cbbrtraffic.com

**SCHEDULE OF QUANTITIES**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

STA to STA	LT/RT	4" SWL (SQ FT)	6" SWL (SQ FT)	12" SWL (SQ FT)	4" ABB SKIP DASH (SQ FT)	L&S (SQ FT)
351+64.04 to 355+15.09	RT	118				36
355+68.10 to 365+78.33	RT	327				
WB I-64 OFF RAMP	RT		50	118		
366+80.50 to 370+38.30	RT	117				
351+64.04 to 364.71.48	LT	87		100		
EB I-64 OFF RAMP	LT		52	88		
356+91.02 to 356+43.68	LT	118				
356+43.58 to 362+83.22	LT	114				
362+83.22 to 365+81.87	LT	93				
366+43.36 to 372+46.40	LT	202		33		31
REGENCY SOUTH ISLAND	LT		81	34		
REGENCY NORTH ISLAND	LT		35	31		
374+38.48 to 376+72.19	LT	78				47
<b>SUB-TOTAL</b>		<b>1264</b>	<b>218</b>	<b>382</b>	<b>0</b>	<b>114</b>
<b>TOTAL</b>				<b>1978</b>		

STA to STA	LT/RT	PAVEMENT REMOVAL (SQ YDS)	PAVED SHOULDER REMOVAL (SQ YDS)	MEDIAN REMOVAL (SQ FT)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	REMOVE EXISTING UNDERDRAINS (FT)	CURB REMOVAL (FT)	COMB CURB AND GUTTER REMOVAL (FT)	GUARDRAIL REMOVAL (FT)	SIDEWALK REMOVAL (SQ FT)	REMOVING INLETS (EA)	STORM SEWER REMOVAL 12" (FT)	REMOVE CONCRETE HEADWALLS FOR PIPE DRAINS (EA)
355+80.56 to 359+22.10	RT		369			342	233		229		1	16	
359+31.03	RT	13									1	12	
362+41.82	RT	19									1	12	
362+80.84 to 365+84.68	RT		362			334							
WB I-64 OFF RAMP	RT			185				38		38			
366+82.12 to 370+38.30	RT		288			348							
EB I-64 OFF RAMP	LT			216				186		186			
356+80.48 to 359+43.73	LT		402			364							1
359+80.85	LT	10									1	12	
362+79.14	LT	15									1	13	
362+83.22 to 365+81.62	LT		323			289	203		243		1	16	
REGENCY SOUTH ISLAND	LT			821				84					
REGENCY NORTH ISLAND	LT			631				89					
377+02.89 to 378+58.75	LT	98						117		637	1		
378+58.75	LT				135			89					
378+58.75 to 383+02.89	LT							444		73	4	321	
<b>TOTAL</b>		<b>155</b>	<b>1724</b>	<b>1953</b>	<b>135</b>	<b>1677</b>	<b>436</b>	<b>1007</b>	<b>472</b>	<b>934</b>	<b>11</b>	<b>402</b>	<b>1</b>

STA to STA	LT/RT	LIME (TON)	PROCESSING LIME STABILIZED SOIL MIXTURE 12" (SQ YDS)	AGGREGATE BASE COURSE, TYPE A 4" (SQ YDS)	PAVEMENT FABRIC (SQ YDS)	PORTLAND CEMENT CONCRETE PAVEMENT 9" (SQ YDS)	BRIDGE APPROACH PAVEMENT (SQ YDS)	HOT-MIX ASPHALT SHOULDERS, 9" (SQ YDS)	AGG SHLDR WEDGE T-B (TON)	PIPE UNDERDRAINS 6" (FT)	CONCRETE HEADWALLS FOR PIPE DRAINS (EA)	BIT. MAT'L (P.C.) (GAL)	HMA SHOULDER CURB (FT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FT)
356+81.36 to 359+22.10	RT	12	577	411	355	355	13	148	22	341		2	330	
362+80.84 to 365+83.68	RT	11	552	380	337	337	18	144	21	323				
WB I-64 OFF RAMP ISLAND		1	14	14	14	14								
366+82.12 to 370+38.30	RT	9	448	272	214	214		158	22	348				
EB I-64 OFF RAMP ISLAND		1	17	17	17	17								
356+80.48 to 359+43.73	LT	13	639	457	397	397	10	182	23	364	1			
362+83.22 to 365+73.73	LT	11	569	484	436	436	15	69	19	291		2	212	
REGENCY SOUTH ISLAND		2	80	80	80	80								
REGENCY NORTH ISLAND		2	80	80	80	80								
377+02.89 to 383+02.89	LT	15	757	757	490	490								511
<b>TOTAL</b>		<b>77</b>	<b>3743</b>	<b>2842</b>	<b>2400</b>	<b>2400</b>	<b>57</b>	<b>681</b>	<b>107</b>	<b>1667</b>	<b>1</b>	<b>4</b>	<b>542</b>	<b>511</b>

CONVERSION FACTORS  
LIME 0.001605 tons/sqft  
AGG 0.056 tons/sqft

STA	LT/RT	AGGREGATE BASE COURSE, TYPE A 4" (SQ YDS)	PCC DRIVEWAY PAVT 8" (SQ YDS)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FT)
378+58.75	LT	121	110	70
<b>TOTAL</b>		<b>121</b>	<b>110</b>	<b>70</b>

STA to STA	LT/RT	SPBGR TY A 6FT POSTS (FT)	TR BAR TRM T1 SPL TAN (EA)	TRAF BAR TERM T6 (EA)	GUARDRAIL MARKERS, TYPE A (EA)	TERMINAL MARKER - DIRECT APPLIED (EA)
356+83.19 to 359+33.11	RT	204	1	1	4	1
365+00.00 to 370+38.30	RT	192	1	1	4	1
<b>TOTAL</b>		<b>396</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>2</b>

STA to STA	LT/RT	PC CONC SIDEWALK 4" (SQ FT)	DETECTABLE WARNINGS (SQ FT)
377+02.89 to 378.58.75	RT	683	22
378.58.75 to 379.03.04	RT	72	22
<b>TOTAL</b>		<b>755</b>	<b>44</b>

LOCATION	COMB CC&G T86.06 (FT)	CONC MEDIAN SURF 4" (SQ FT)	P.C.C. RAMPED MEDIAN TERMINAL (EA)
WB I-64 OFF RAMP	18	26	2
EB I-64 OFF RAMP	38	28	2
REGENCY SOUTH ISLAND	35	118	2
REGENCY NORTH ISLAND	19	34	2
<b>TOTAL</b>	<b>110</b>	<b>207</b>	<b>8</b>

Job No. 088-09  
 Scale: NTS  
 Drawn by: BEC  
 Design by: BEC  
 Approved by: CMB  
 File Name: ShiloH Plans

ISSUE RECORD  
 DATE

Corporate Engineering Certificate # 000381

Crawford, Bunte, Brammeyer  
 Traffic and Transportation Engineers  
 St. Louis, Missouri/Glen Carbon, Illinois  
 314-878-6644 618-656-2612  
 Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**SCHEDULE OF QUANTITIES**  
 N. GREEN MOUNT ROAD & I-64  
 E.B. RAMP, W.B. RAMP & REGENCY PARK/PIERCE BLVD  
 SHILOH, ILLINOIS

TEMPORARY PAVEMENT MARKING SCHEDULE

TEMP PAVT MRK					W.Z. PAVT MRK REMOVAL
LINE 4" (FT)	LINE 8" (FT)	LINE 12" (FT)	LINE 24" (FT)	L&S (SQ FT)	(SQ FT)
3135	447	344	181	191.7	2231.8

PAVEMENT MARKING SCHEDULE

STA to STA	LT/RT	POLYUREA PM T1 LN - 4"			POLYUREA PM T1 LN - 8"			POLYUREA PM T1 LN - 12"			POLYUREA PM T1 LN - 24"			PAINT CURB		PRISMATIC CURB		RAISED REFL PAVT MKR	RAISED REF PVT MKR BR
		SKIP DASH (FT)	ABB SKIP DASH (SQ FT)	SWL (FT)	SWL (FT)	SWL HATCHING (FT)	SWL CROSSWALK (FT)	STOPBAR (FT)	L&S (SQ FT)	YELLOW (FT)	WHITE (FT)	YELLOW (EA)	WHITE (EA)	1-WAY WHITE (EA)	1-WAY WHITE (EA)				
351+84.04 to 355+15.08	RT	80					34	35.7	51				6			4			
355+84.41 to 365+82.68	RT	120		1014					51				6			9			4
WB I-64 OFF RAMP	RT	30			108	53				37			6	6		1			
368+80.53 to 370+38.30	RT		39	349					55				6			8			
351+84.04 to 354+71.46	LT	80		308					55				6			4			
EB I-64 OFF RAMP	LT	20			105	58				36			6	6		1			
358+80.18 to 385+74.20	LT	230		625		60			51				6			9			4
368+42.28 to 372+98.00	LT	160						85	88				6			8			
REGENCY SOUTH ISLAND	LT				120	37		18		88			6	6		1			
REGENCY NORTH ISLAND	LT				118	27		13		52			6	6					
374+88.35 to 377+02.68	LT	80										78.0				4			
378+58.75	LT						108	19				78.0							
<b>SUB-TOTAL</b>		<b>800</b>	<b>39</b>	<b>2296</b>		<b>235</b>	<b>108</b>			<b>328</b>	<b>213</b>	<b>36</b>	<b>24</b>						
<b>TOTAL</b>		<b>3135</b>			<b>447</b>	<b>344</b>		<b>181</b>	<b>191.7</b>	<b>542</b>		<b>60</b>		<b>49</b>		<b>8</b>			

SIGNING SCHEDULE

STA	LT/RT	REMOVE EX SIGN PANEL		RELOCATE SIGN PANEL		RELOCATE SIGN PANEL ASSEMBLY		SIGN PANEL SPECIAL		SIGN POSTS		DESCRIPTION
		T-1 (SQ FT)	T-1 (SQ FT)	T-1 (SQ FT)	T-1 (SQ FT)	(EA)	TELESCOPING STEEL SIGN SUPPORT (FT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EA)	WOOD SIGN SUPPORT (FT)			
350+30.00	RT	6.3										EX R3-7R "RIGHT TURN LANE"
363+25.00	RT	6.3										EX R3-100 "RIGHT TURN LANE"
355+80.00	RT				5.0					8	1	PR R4-7 "KEEP RIGHT"
356+96.00	RT				5.0					8	1	PR R4-7 "KEEP RIGHT"
WB I-64 OFF RAMP	RT					8.0					16	EX R10-6A "STOP HERE ON RED"; EX R6-1L "ONE WAY"
368+80.00	RT			5.0							21	EX R2-1 "SPEED LIMIT 45"
369+00.00	RT				8.2					18		EX "REGENCY CENTER" & "SUBURBAN" SIGN
372+50.00	RT					6.3				15		PR R3-7R "RIGHT TURN LANE MUST TURN RIGHT"
385+05.00	LT				5.0					8	1	PR R3-7R "RIGHT TURN LANE MUST TURN RIGHT"
368+00.00	LT				5.0					8	1	PR R3-7R "RIGHT TURN LANE MUST TURN RIGHT"
EB I-64 OFF RAMP	LT					8.0					16	EX R10-6A "STOP HERE ON RED"; EX R6-1L "ONE WAY"
378+00.00	LT						2				42	EX PRIVATE SIGN
377+25.00	LT						2				30	EX PRIVATE SIGN
REGENCY NORTH ISLAND	LT			4.0						14	1	EX W12-1 "DOUBLE DOWN"
378+58.75 C.E.	LT			8.3						15		EX R1-1 "STOP"
<b>TOTAL</b>		<b>12.6</b>	<b>15.3</b>	<b>24.2</b>	<b>26.3</b>	<b>4</b>		<b>94</b>	<b>5</b>	<b>125</b>		

EROSION CONTROL SCHEDULE

STA to STA	LT/RT	SEEDING CLASS 2A (AC)	NITROGEN FERTILIZER NUTRIENT (LBS)	PHOSPHORUS FERTILIZER NUTRIENT (LBS)	POTASSIUM FERTILIZER NUTRIENT (LBS)	MULCH METHOD 2 (AC)	TEMPORARY SEEDING (LBS)	PERIMETER EROSION BARRIER (FT)	INLET AND PIPE PROTECTION (EA)	TEMPORARY DITCH CHECKS (FT)
355+80.56 to 359+22.10	RT	0.3	27	27	27	0.3	141	471	2	
362+80.84 to 365+84.52	RT	0.2	18	18	18	0.2	94	415	1	2
368+80.16 to 370+38.30	RT	0.1	9	9	9	0.1	47	357	1	1
355+79.66 to 359+43.73	LT	0.3	27	27	27	0.3	141	562	1	
362+83.22 to 365+82.46	LT	0.3	27	27	27	0.3	141	378	2	
377+02.68 to 383+02.88	LT	0.1	9	9	9	0.1	47	558	8	
<b>TOTAL</b>		<b>1.3</b>	<b>117</b>	<b>117</b>	<b>117</b>	<b>1.3</b>	<b>611</b>	<b>2740</b>	<b>13</b>	<b>3</b>

CONVERSION FACTORS  
 NUTRIENTS = 90 LBS/AC  
 TEMP SEEDING, ASSUME 10% OF SEEDED AREA WILL NEED TO BE REPLACED ONCE A WEEK FOR 52 WEEKS

DRAINAGE SCHEDULE

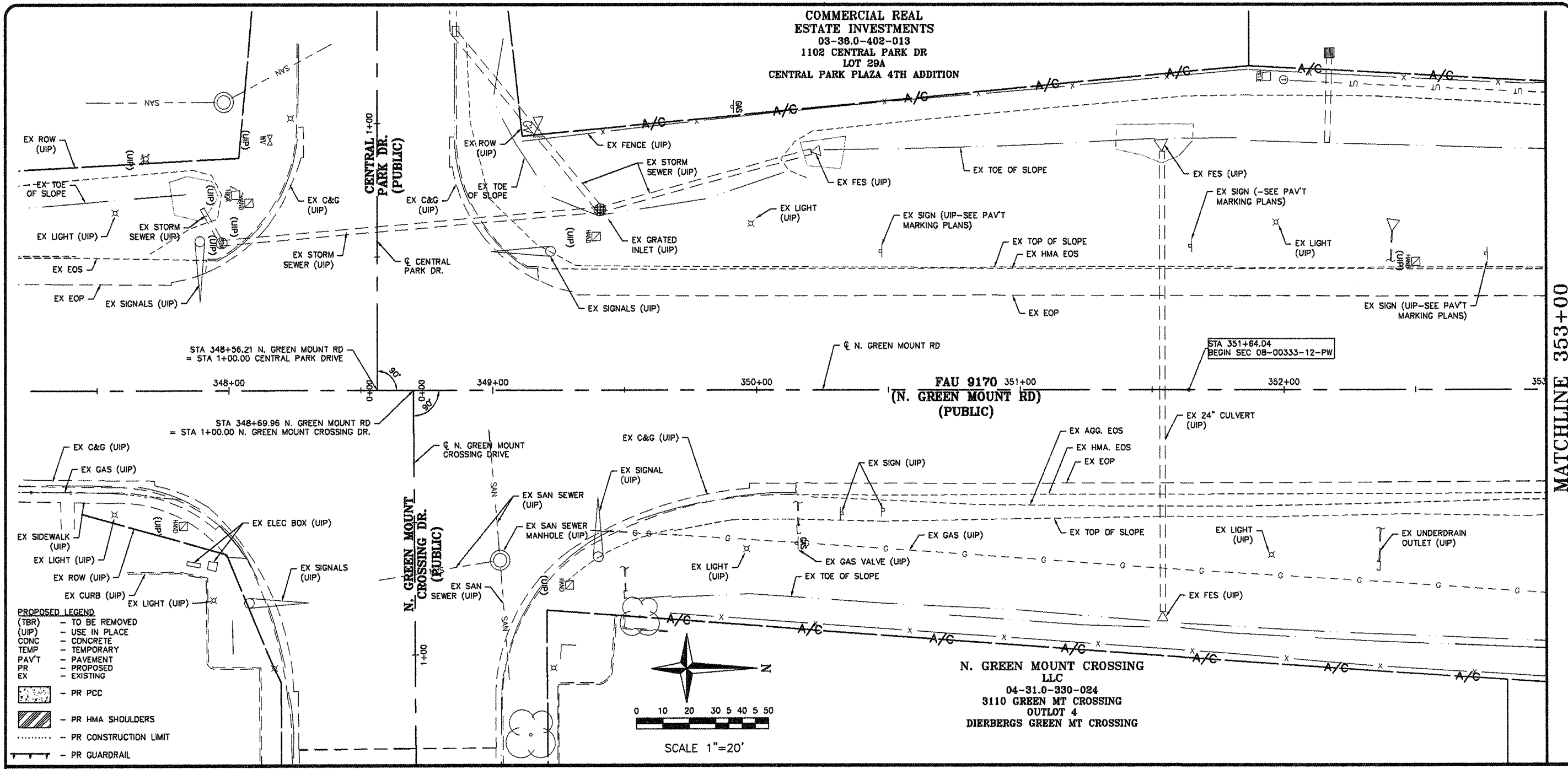
STA	OFFSET	LT/RT	PIPE DRAINS 12" (FT)	TYPE B INLET BOX, STANDARD 609008 (EA)	TYPE D INLET BOX, STANDARD 609008 (EA)	INLETS, TYPE A, TYPE 4 FRAME AND GRATE (EA)	INLETS, TYPE A, TYPE 3 FRAME AND GRATE (EA)	INLETS, TYPE B, TYPE 3 FRAME AND GRATE (EA)	MANHOLES, TYPE A, 4" DIAMETER, TYPE 3 FRAME AND GRATE (EA)	PCC END SECTION 15" (EA)	STORM SEWERS, CLASS A, TYPE 1 12" (FT)	STORM SEWERS, CLASS A, TYPE 1 15" (FT)	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID (EA)	CONCRETE COLLAR (CU YDS)	TRENCH BACKFILL (CU YDS)
A1	367+44.81	36.58	RT	10										0.3	0.3
A2	368+26.98	31.40	RT	10										0.3	0.3
A3	368+80.68	31.40	LT	10										0.3	0.3
A4	362+46.80	31.40	RT	10										0.3	0.3
A5	362+78.32	31.40	LT	10										0.3	0.3
A6	364+87.38	38.23	LT	10		1								0.3	0.3
B1	377+30.58	30.18	LT				1					6		0.3	
C1	378+76.74	22.33	LT					1				7			1.8
C2	380+74.46	22.02	LT						1			98			25.4
C3	381+73.47	18.88	LT						1			100			32.6
C4	382+71.66	17.36	LT						1			98			38.1
FES	382+77.24	42.00	LT							1		28			0.7
EXTEND EX TO C1			LT								7			0.3	0.7
EXTEND EX TO C2			LT								7			0.3	1.8
EXTEND EX TO C3			LT								4			0.3	1.3
<b>TOTAL</b>			<b>80</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>18</b>	<b>335</b>	<b>1</b>	<b>2.7</b>	<b>105.0</b>

F.A.U. RTE. SECTION COUNTY  
 SH10 08-00333-12-PW ST. CLAIR  
 ILLINOIS CONTRACT NO. 97492

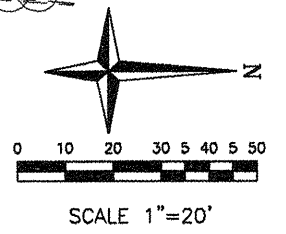
COMMERCIAL REAL ESTATE INVESTMENTS  
 03-36.0-402-013  
 1102 CENTRAL PARK DR  
 LOT 29A  
 CENTRAL PARK PLAZA 4TH ADDITION

SHEET NO.  
 11 of 55

Job No. 088-09  
 Scale: 1"=20'  
 Drawn by: BEC  
 Design by: BEC  
 Approved by: CMB  
 File Name: 8tblb Plans

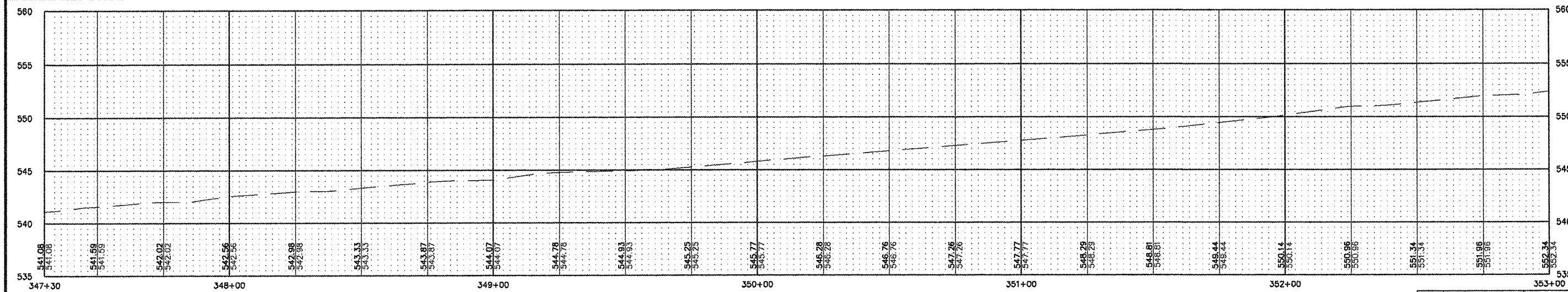


- PROPOSED LEGEND**
- (TBR) - TO BE REMOVED
  - (UIP) - USE IN PLACE
  - CONC - CONCRETE
  - TEMP - TEMPORARY
  - PAV'T - PAVEMENT
  - PR - PROPOSED
  - EX - EXISTING
- PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL



**N. GREEN MOUNT CROSSING LLC**  
 04-31.0-330-024  
 3110 GREEN MT CROSSING  
 OUTLOT 4  
 DIERBERGS GREEN MT CROSSING

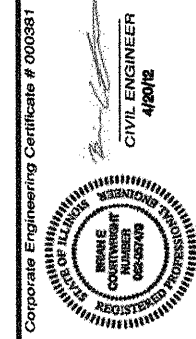
MATCHLINE 353+00



F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

**ISSUE RECORD**

DATE	ISSUE
PS&E 4/26/12	



**CBB** Crawford, Bunte, Brammeier  
 Traffic and Transportation Engineers  
 St. Louis, Missouri/Glen Carbon, Illinois  
 314-878-6644 618-656-2612  
 Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

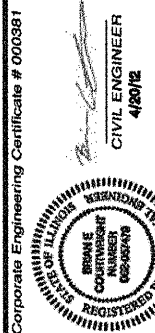
**PLAN/PROFILE SHEETS**  
 N. GREEN MOUNT ROAD & I-64  
 E.B. RAMP, W.B. RAMP &  
 REGENCY PARK/PIERCE BLVD  
 SHILOH, ILLINOIS

Job No. 088-08  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: 8/10/12

ISSUE RECORD

DATE	DESCRIPTION
PS&E 4/20/12	

Corporate Engineering Certificate # 000381



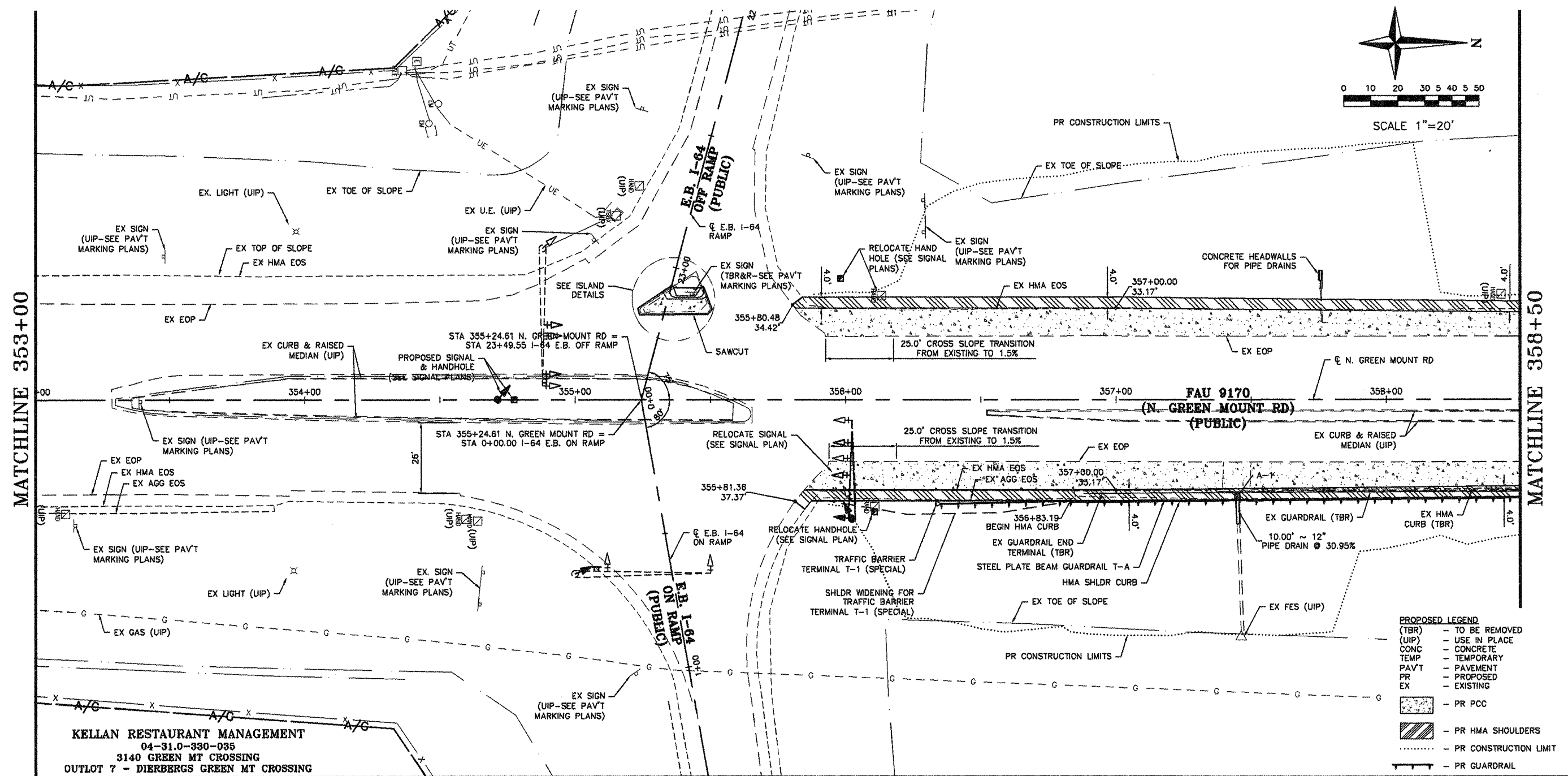
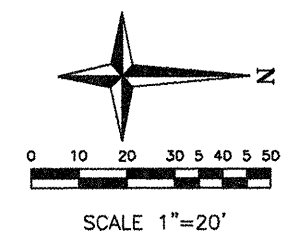
**CBB**  
Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers

St. Louis, Missouri/Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**PLAN/PROFILE SHEETS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

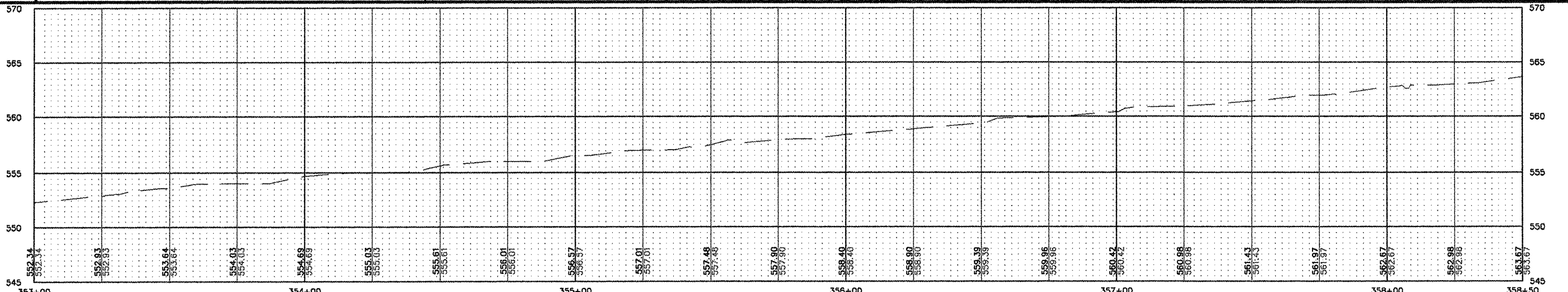
MATCHLINE 353+00

MATCHLINE 358+50

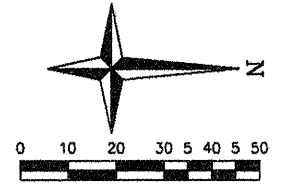


**PROPOSED LEGEND**

(TBR)	- TO BE REMOVED
(UIP)	- USE IN PLACE
CONC	- CONCRETE
TEMP	- TEMPORARY
PAVT	- PAVEMENT
PR	- PROPOSED
EX	- EXISTING
[Pattern]	- PR PCC
[Pattern]	- PR HMA SHOULDERS
[Dashed Line]	- PR CONSTRUCTION LIMIT
[Symbol]	- PR GUARDRAIL



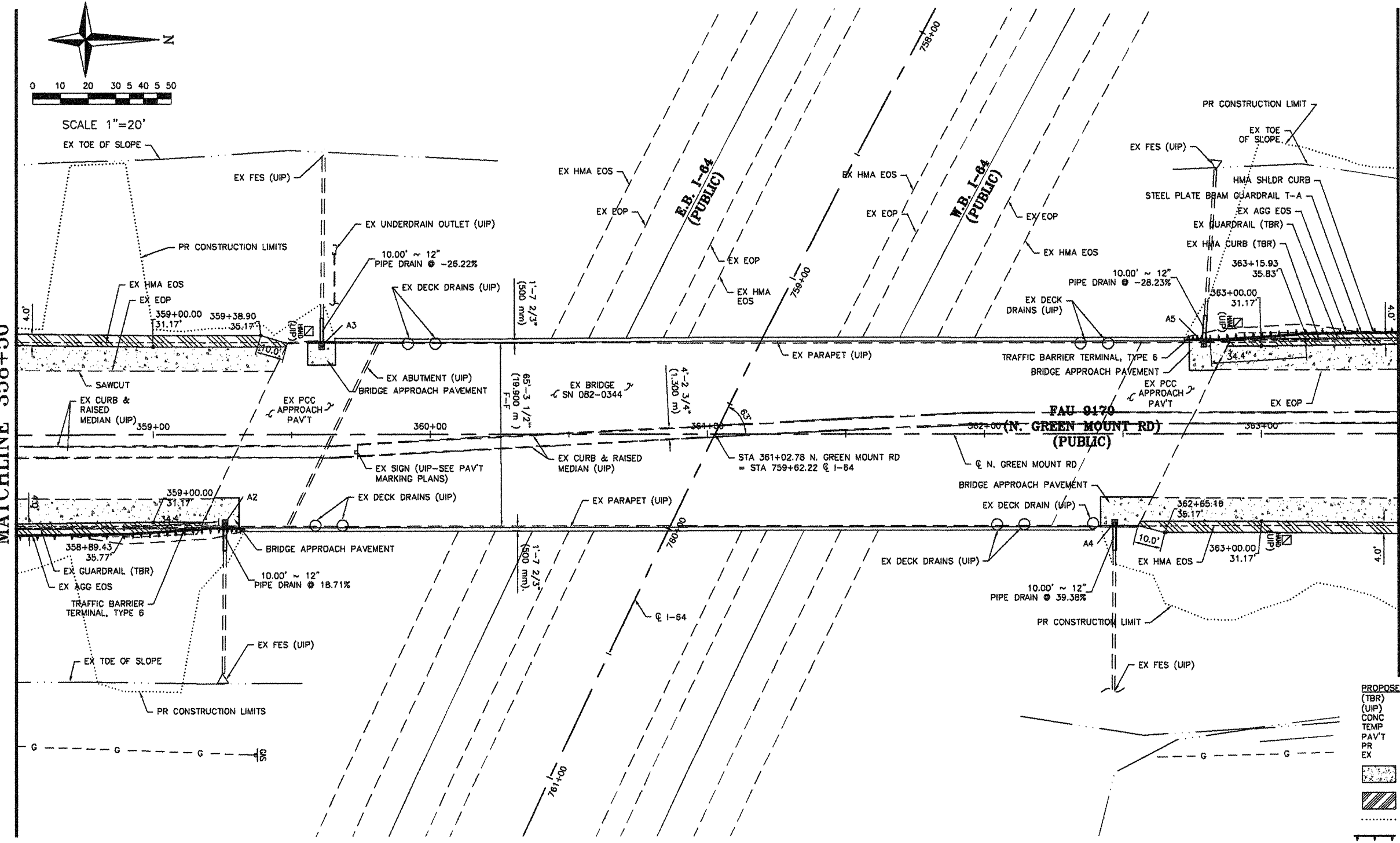
FAU RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	



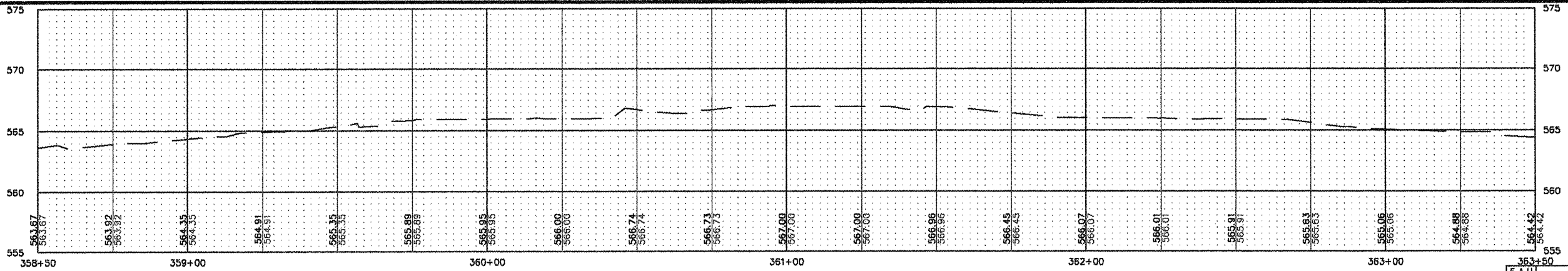
SCALE 1"=20'  
EX TOE OF SLOPE

MATCHLINE 358+50

MATCHLINE 363+50



- PROPOSED LEGEND**
- (TBR) - TO BE REMOVED
  - (UIP) - USE IN PLACE
  - CONC - CONCRETE
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  - PR - PROPOSED
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  - PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL

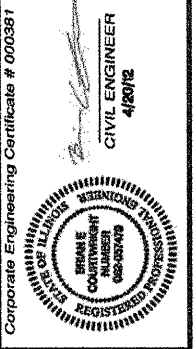


F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**13 of 55**

Job No. 086-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shloh Plans

ISSUE RECORD	
DATE	DESCRIPTION
4/20/12	FS&E



**CBB** Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers

St. Louis, Missouri/Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**PLAN/PROFILE SHEETS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

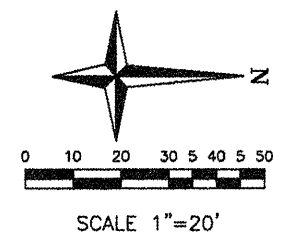


ISBI/BBA N. GREEN MOUNT  
ONE LLC  
03-36.0-203-013  
475 REGENCY PARK  
LOT 5A - SHOPPES AT N. GREEN  
MOUNT

NATIONAL CITY BANK  
OF THE MIDWEST  
03-36.0-203-011  
1385 N. N. GREEN MOUNT RD  
LOT 4  
SHOPPES AT N. GREEN MOUNT

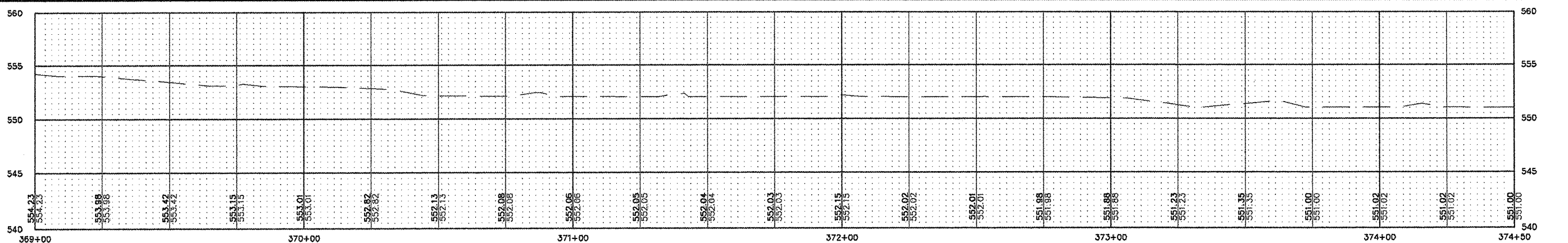
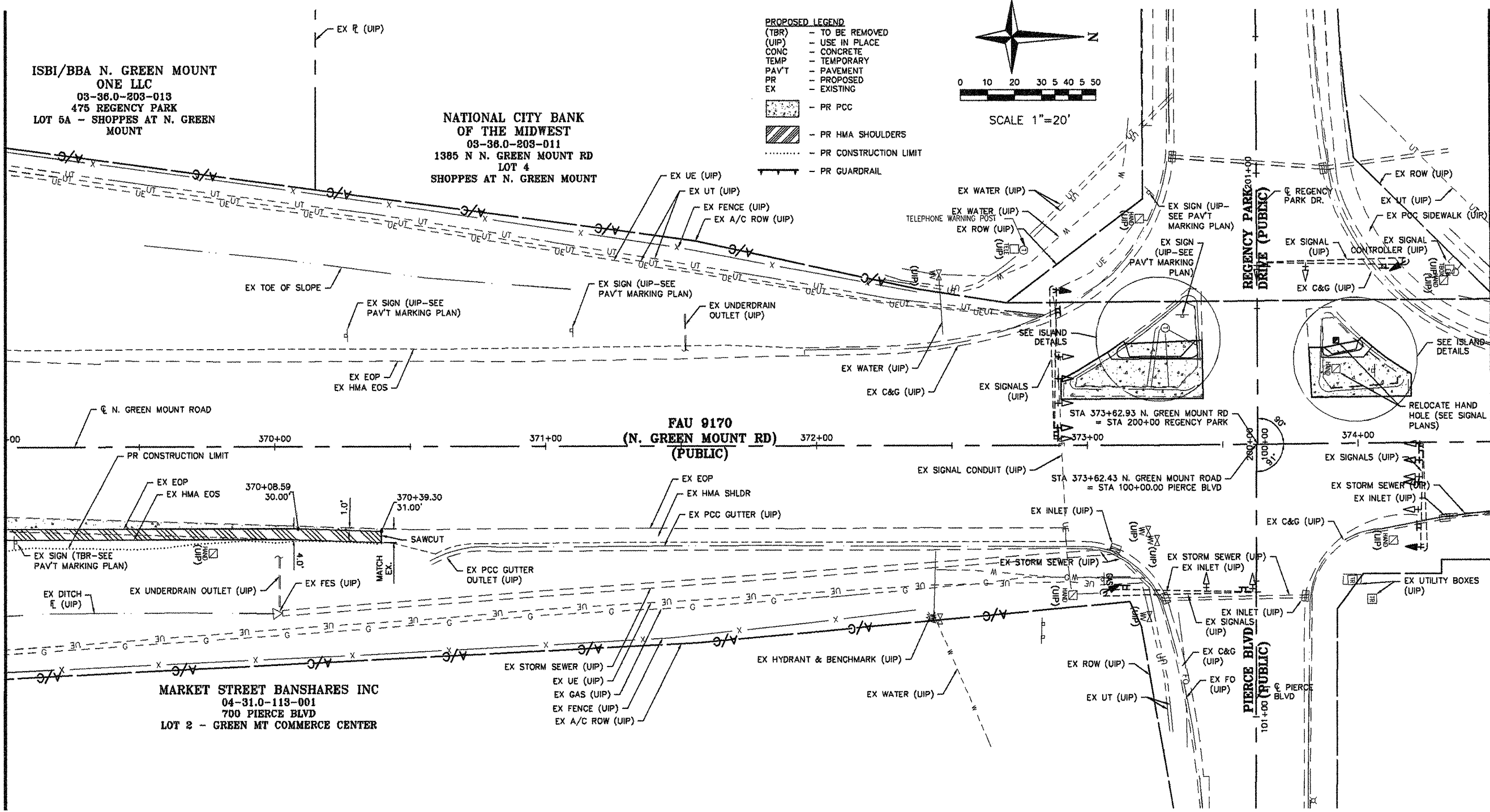
MARKET STREET BANSHARES INC  
04-31.0-113-001  
700 PIERCE BLVD  
LOT 2 - GREEN MT COMMERCE CENTER

- PROPOSED LEGEND**
- (TBR) - TO BE REMOVED
  - (UIP) - USE IN PLACE
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  - PAVT - PAVEMENT
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  - EX - EXISTING
  - PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL



MATCHLINE 369+00

MATCHLINE 374+50



F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**15 OF 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

**ISSUE RECORD**

DATE	DESCRIPTION
PS&E 4/20/12	

Corporate Engineering Certificate # 000361

Brian E. Carbon  
CIVIL ENGINEER  
4/20/12

**CBB** Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers

St. Louis, Missouri/Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbrtraffic.com

**PLAN/PROFILE SHEETS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

Job No. 086-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE FS# 4/20/12

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12



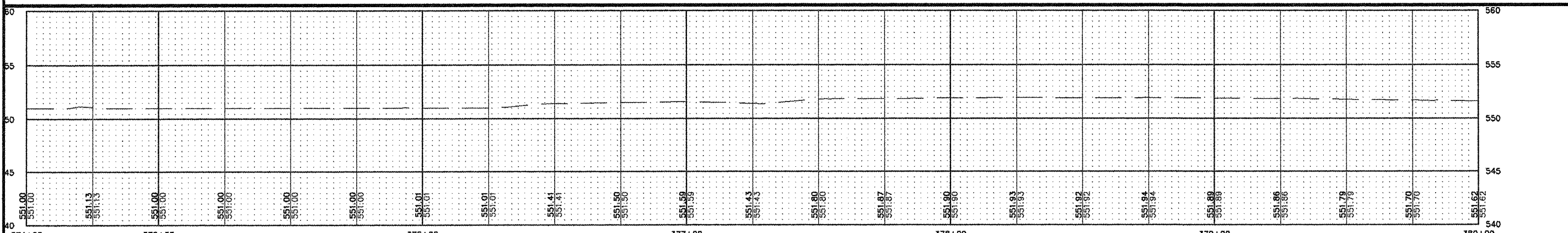
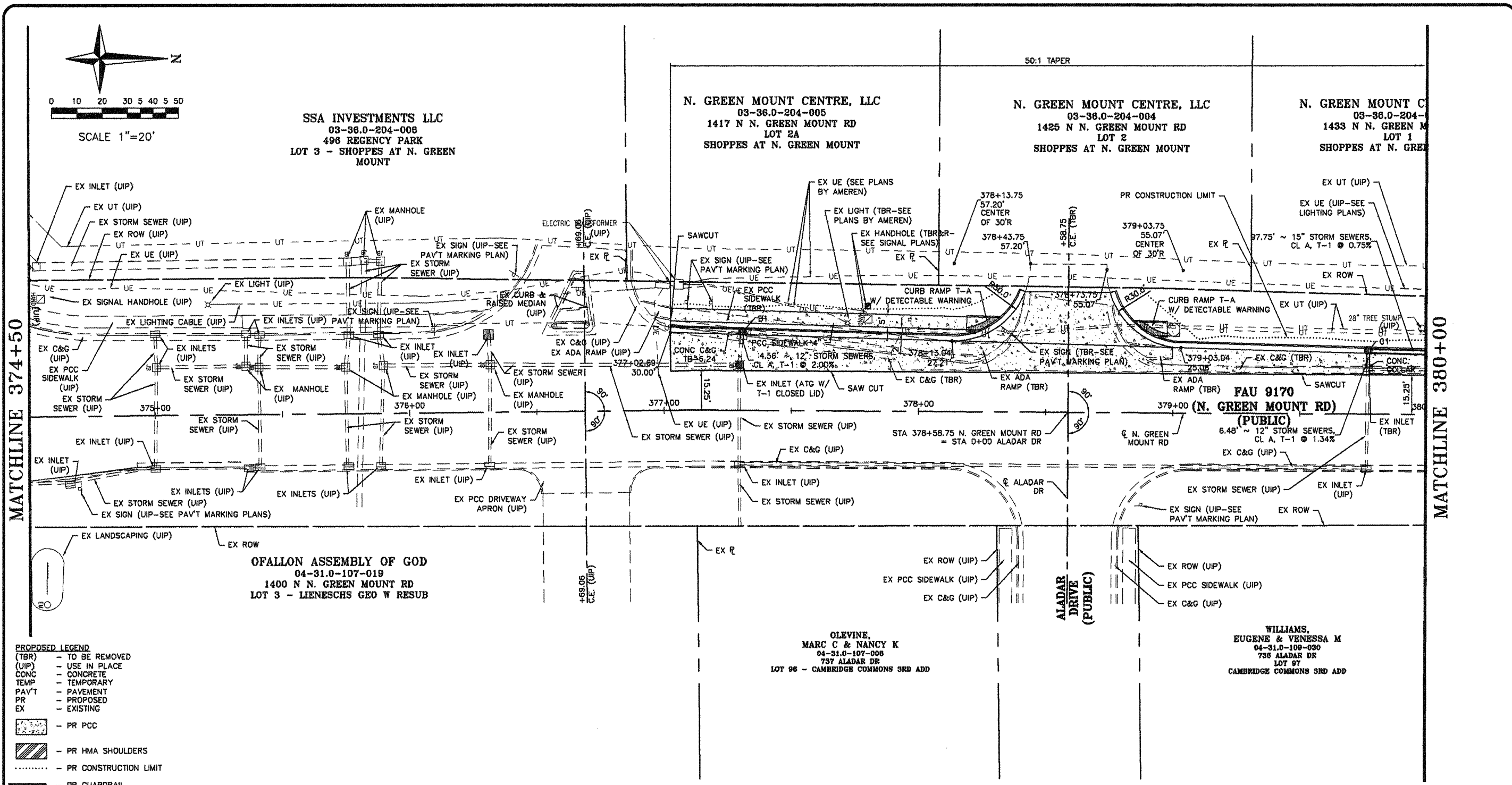
**CBB**  
Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers

St. Louis, Missouri/Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbtraffic.com

PLAN/PROFILE  
SHEETS

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

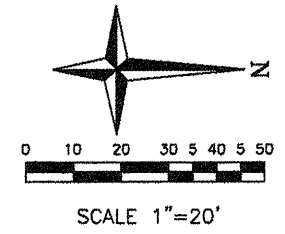
F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	



- PROPOSED LEGEND**
- (TBR) - TO BE REMOVED
  - (UIP) - USE IN PLACE
  - CONC - CONCRETE
  - TEMP - TEMPORARY
  - PAVT - PAVEMENT
  - PR - PROPOSED
  - EX - EXISTING
- PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL

MATCHLINE 374+50

MATCHLINE 380+00



SSA INVESTMENTS LLC  
03-36.0-204-008  
496 REGENCY PARK  
LOT 3 - SHOPPES AT N. GREEN MOUNT

N. GREEN MOUNT CENTRE, LLC  
03-36.0-204-005  
1417 N N. GREEN MOUNT RD  
LOT 2A  
SHOPPES AT N. GREEN MOUNT

N. GREEN MOUNT CENTRE, LLC  
03-36.0-204-004  
1425 N N. GREEN MOUNT RD  
LOT 2  
SHOPPES AT N. GREEN MOUNT

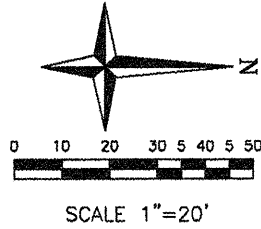
N. GREEN MOUNT CENTRE, LLC  
03-36.0-204-003  
1433 N N. GREEN MOUNT RD  
LOT 1  
SHOPPES AT N. GREEN MOUNT

OFALLON ASSEMBLY OF GOD  
04-31.0-107-019  
1400 N N. GREEN MOUNT RD  
LOT 3 - LIENESCHS GEO W RESUB

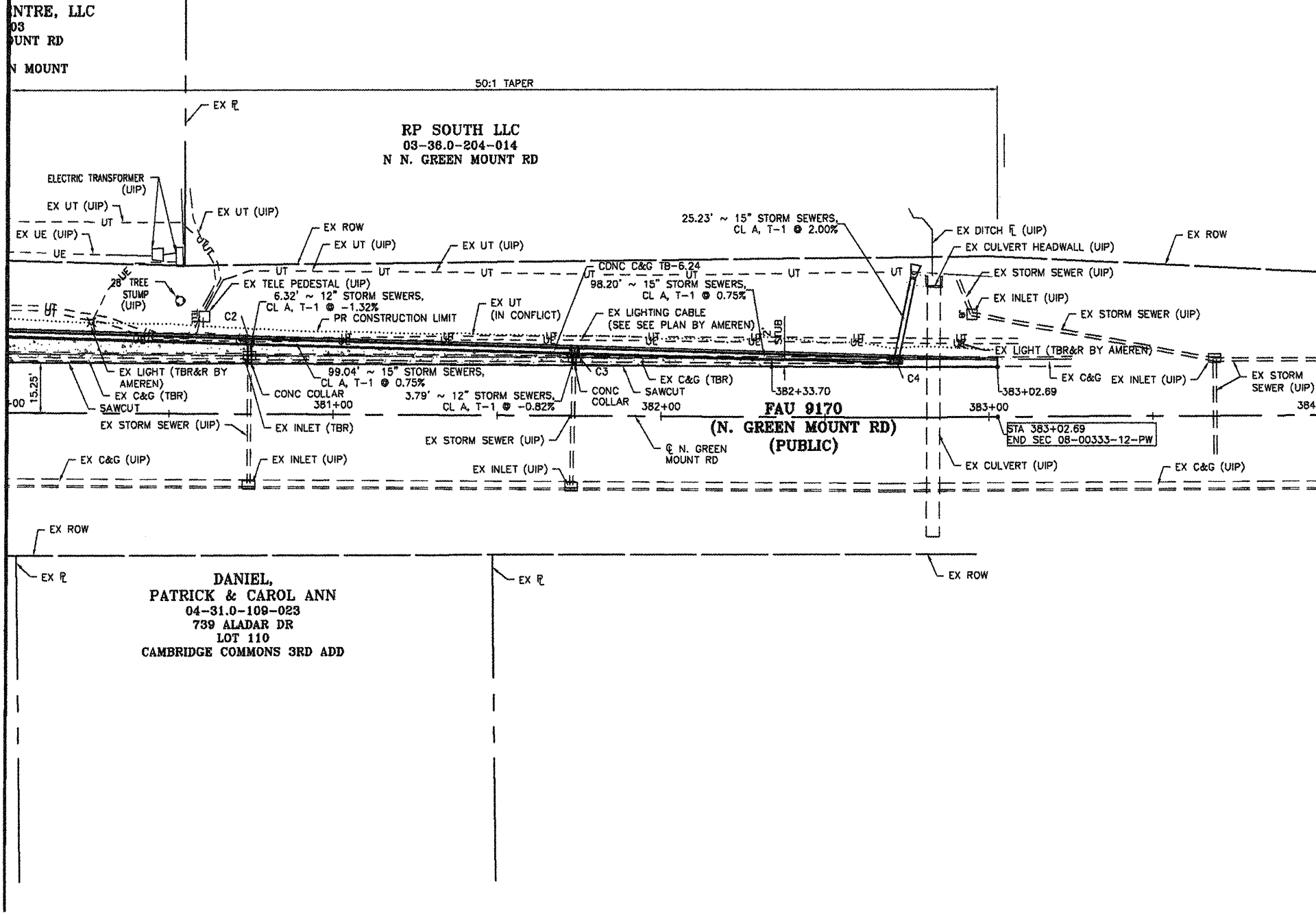
OLEVINE, MARC C & NANCY K  
04-31.0-107-008  
737 ALADAR DR  
LOT 98 - CAMBRIDGE COMMONS 3RD ADD

WILLIAMS, EUGENE & VENESSA M  
04-31.0-109-030  
798 ALADAR DR  
LOT 97  
CAMBRIDGE COMMONS 3RD ADD

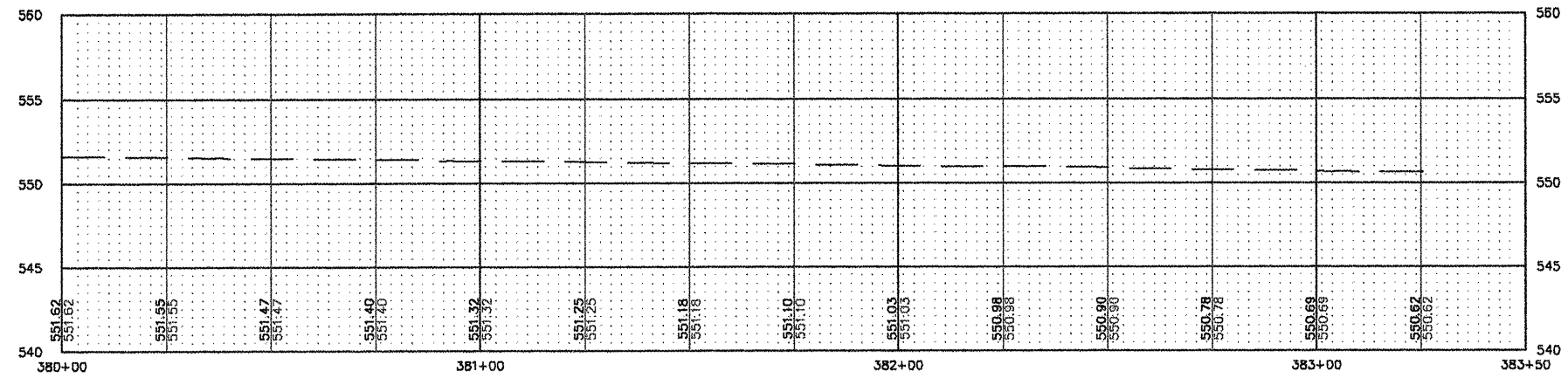




MATCHLINE 380+00



- PROPOSED LEGEND**
- (TBR) - TO BE REMOVED
  - (UIP) - USE IN PLACE
  - CONC - CONCRETE
  - TEMP - TEMPORARY
  - PAVT - PAVEMENT
  - PR - PROPOSED
  - EX - EXISTING
  - PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL



F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**17 OF 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
PS&E 4/20/12	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/2012



**CBB** Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers

St. Louis, Missouri/Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

PLAN/PROFILE SHEETS

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

Job No. 088-09  
Scale: 1"=10'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: 810b Plans

ISSUE RECORD

DATE

FS&E

4/20/12

Corporate Engineering Certificate # 000881

CIVIL ENGINEER  
4/20/12

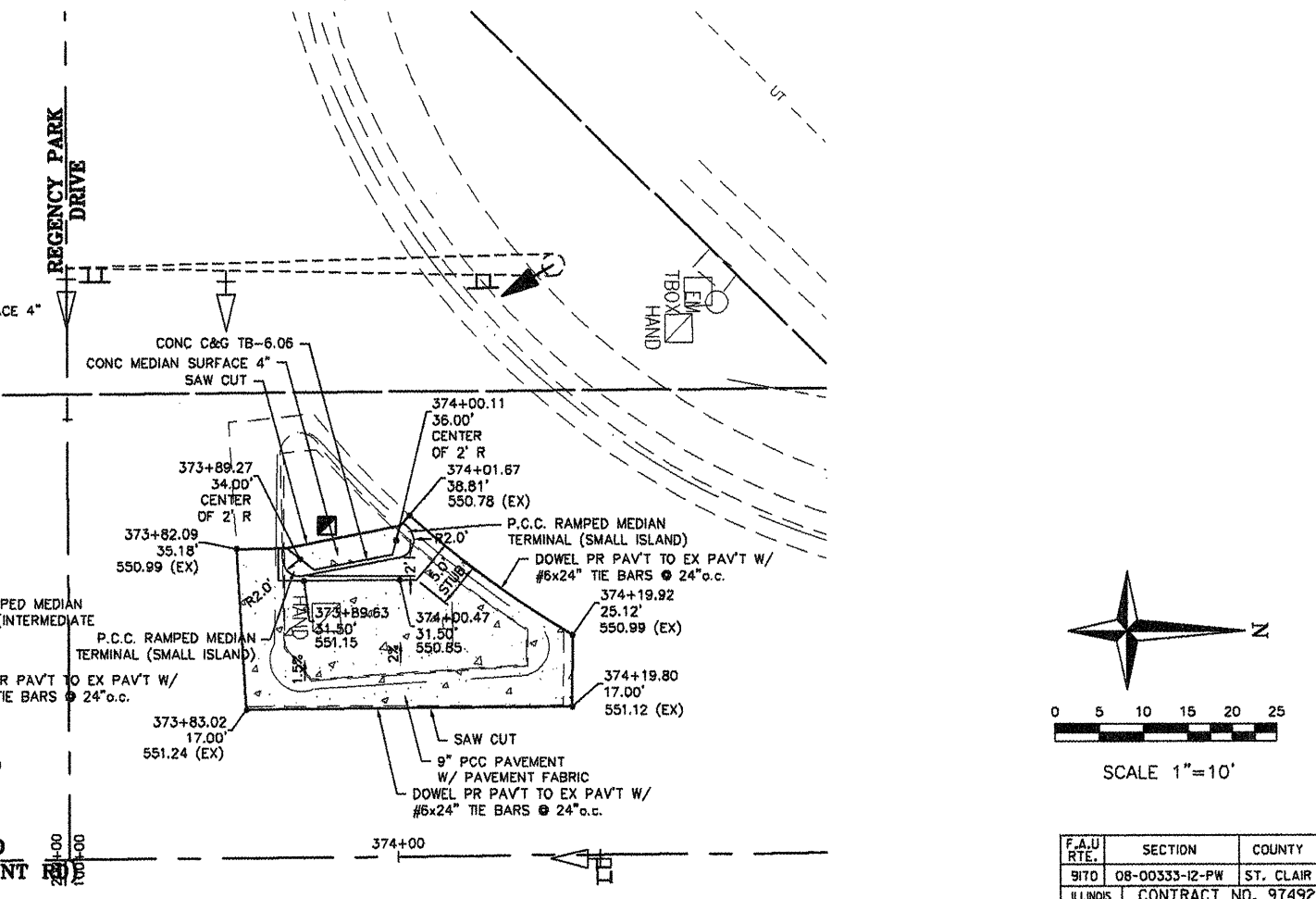
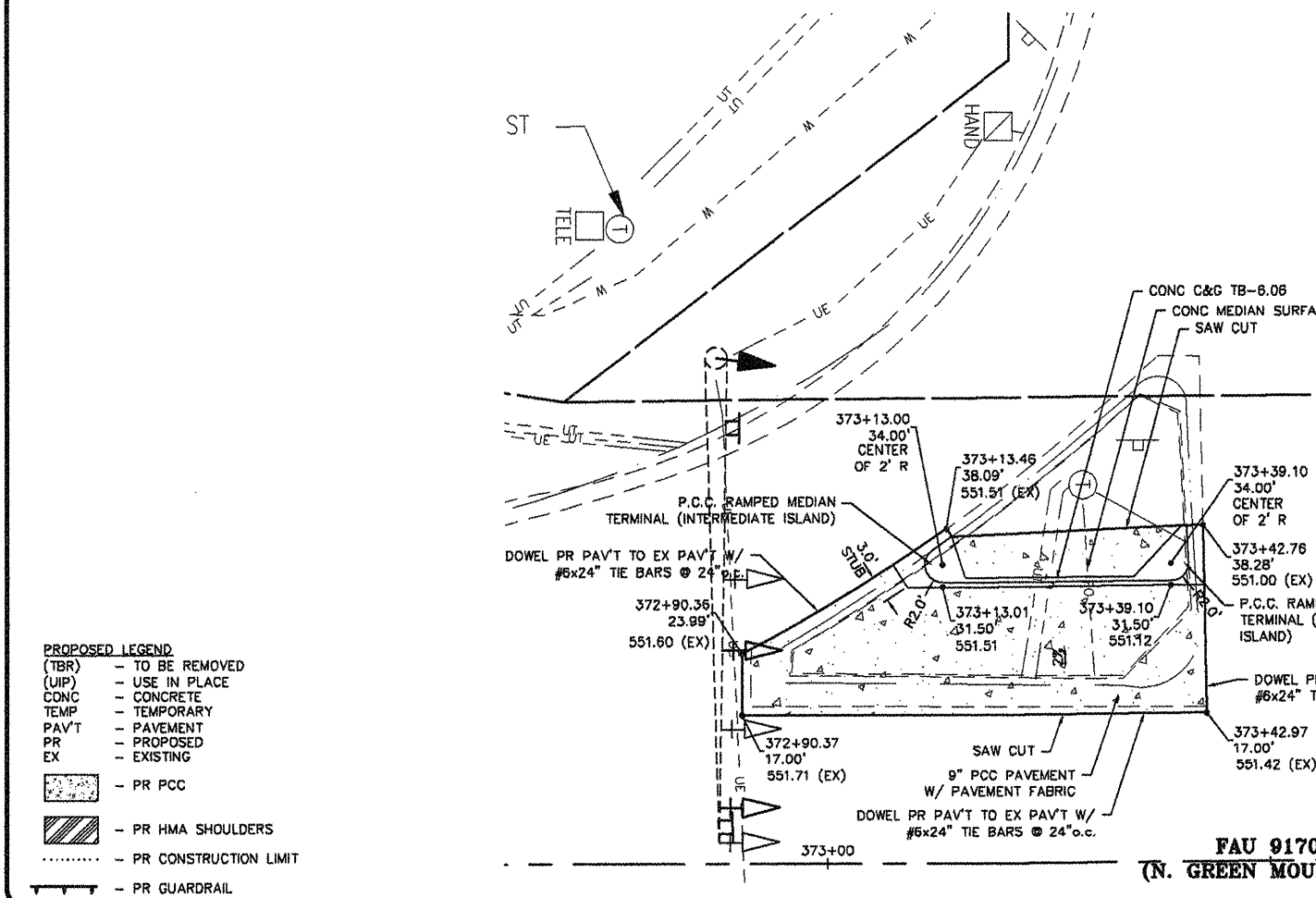
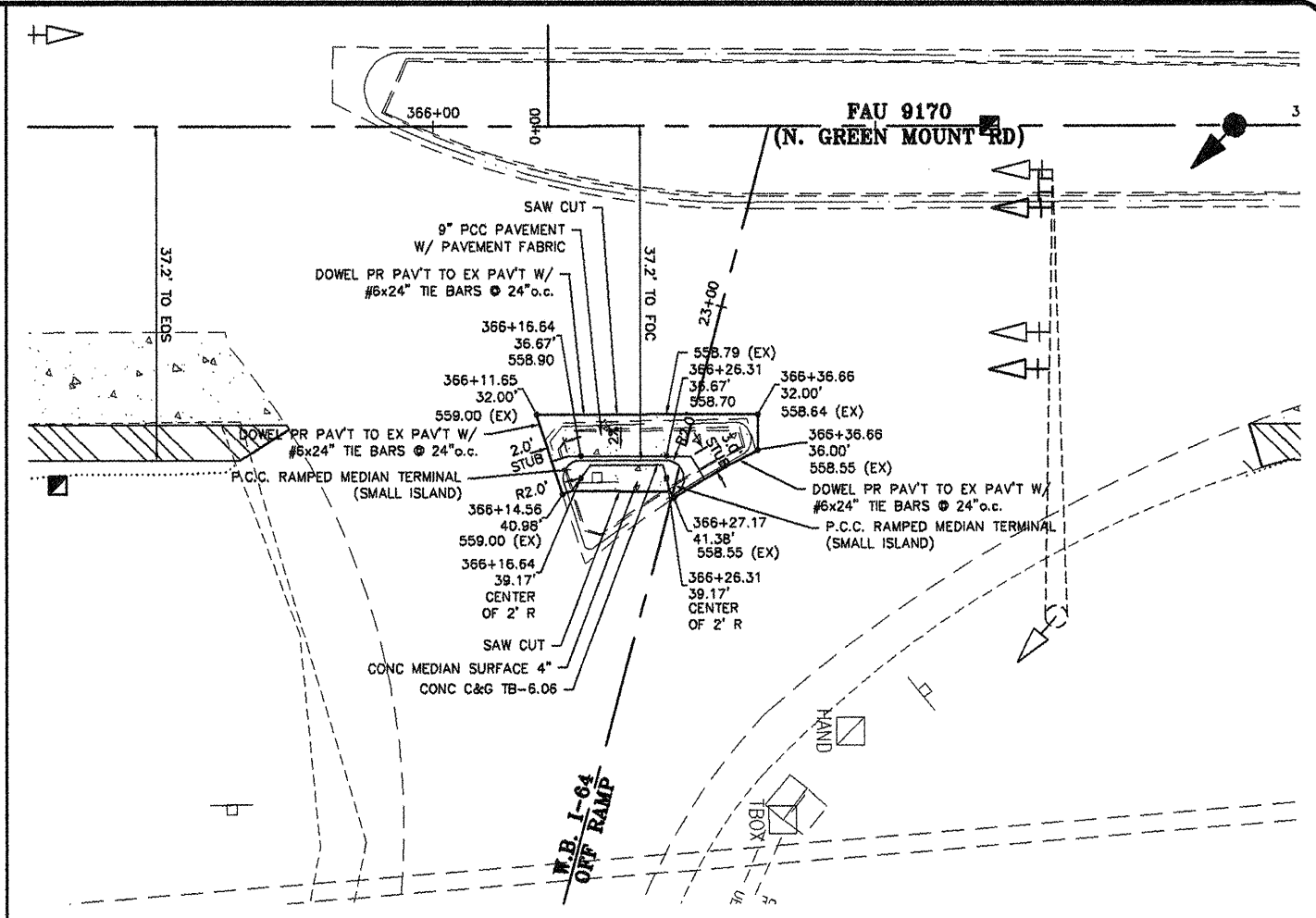
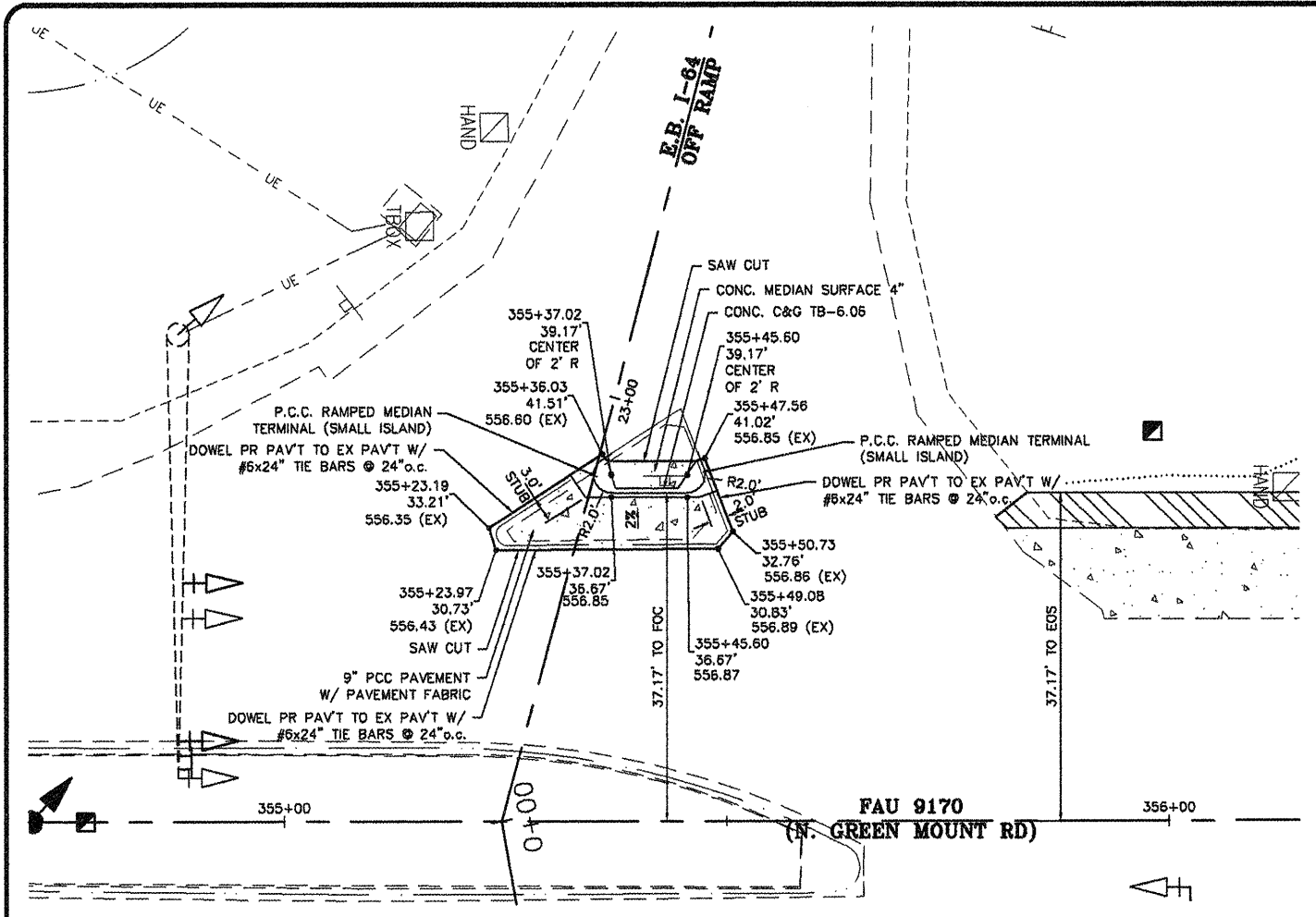


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Traffic and Transportation Engineers

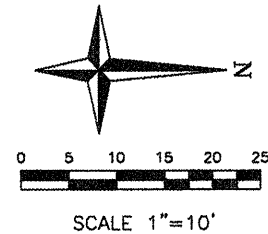
St. Louis, Missouri/Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

ISLAND MODIFICATION  
DETAILS

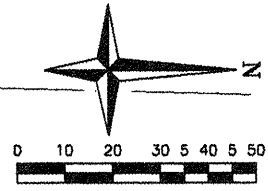
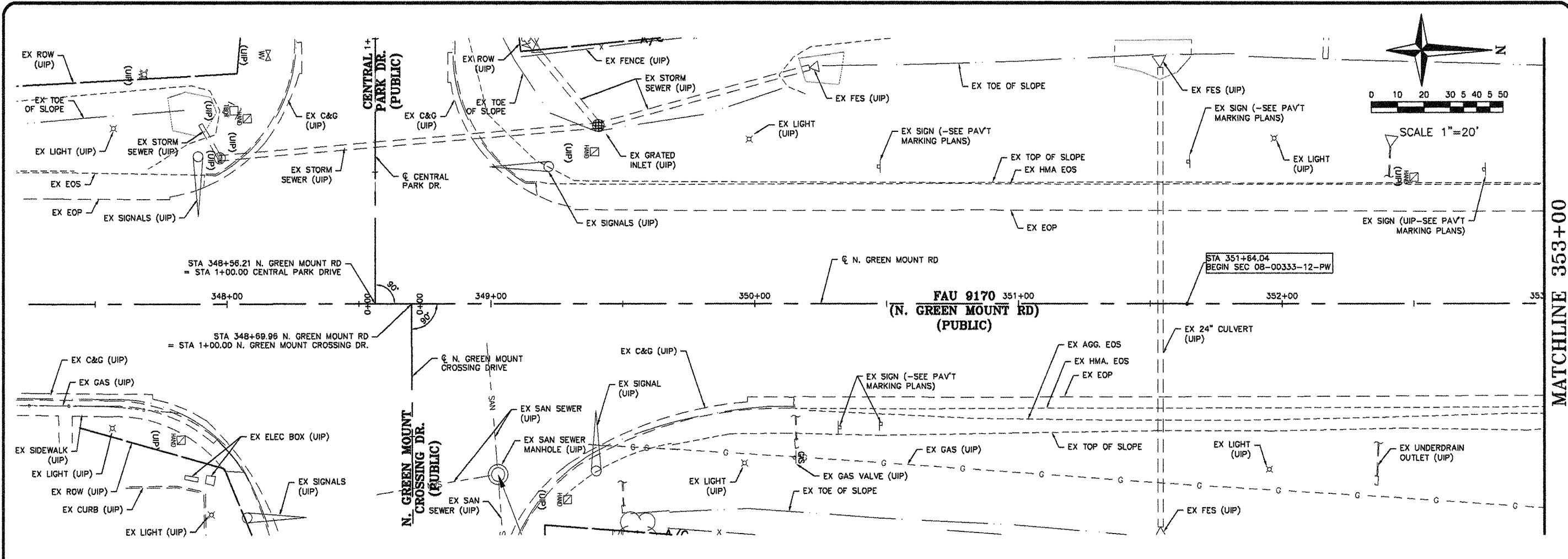
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



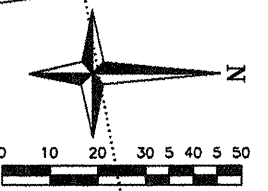
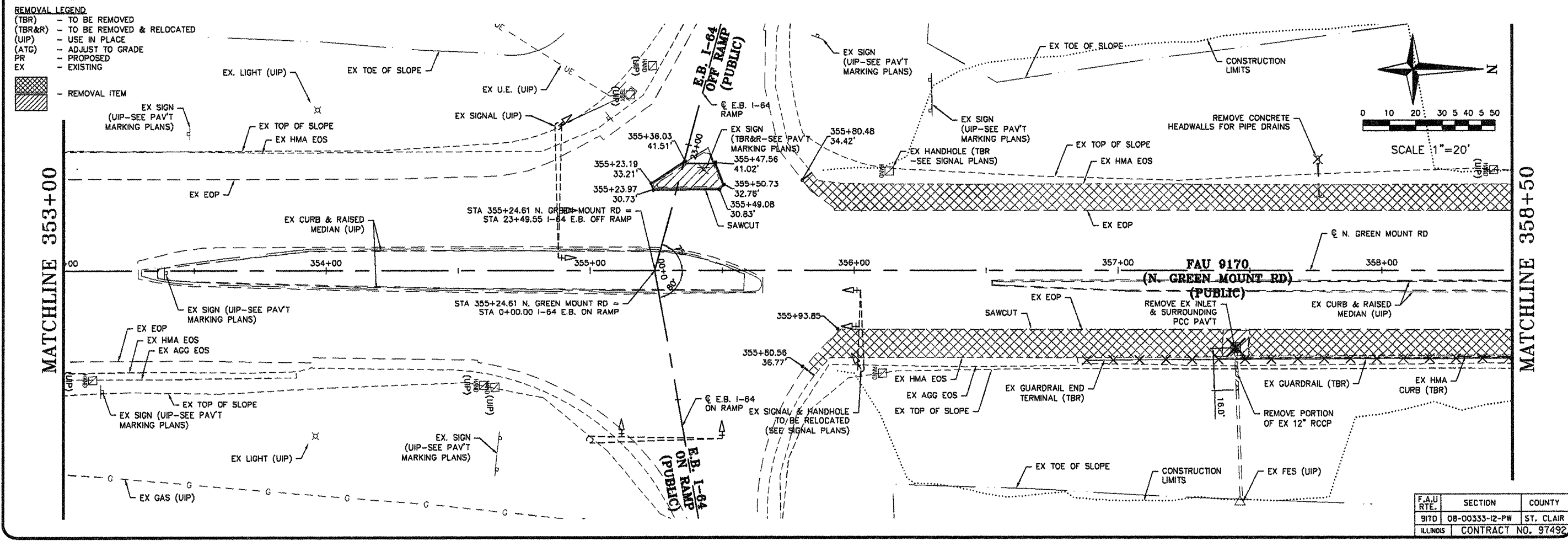
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- (TBR) - TO BE REMOVED
  - (IIP) - USE IN PLACE
  - CDNC - CONCRETE
  - TEMP - TEMPORARY
  - PAVT - PAVEMENT
  - PR - PROPOSED
  - EX - EXISTING
  - [Pattern] - PR PCC
  - [Pattern] - PR HMA SHOULDERS
  - [Dashed] - PR CONSTRUCTION LIMIT
  - [Symbol] - PR GUARDRAIL



F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	



MATCHLINE 353+00



MATCHLINE 358+50

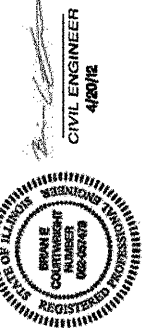
- REMOVAL LEGEND**
- (TBR) - TO BE REMOVED
  - (TBR&R) - TO BE REMOVED & RELOCATED
  - (UIP) - USE IN PLACE
  - (ATG) - ADJUST TO GRADE
  - PR - PROPOSED
  - EX - EXISTING
- REMOVAL ITEM

**SHEET NO.**  
**19 of 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: 8shob Plans

DATE	ISSUE RECORD
1/20/12	FS&E 4/20/12

Corporate Engineering Certificate # 000887



**CBB** Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers

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**REMOVAL SHEETS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE

Corporate Engineering Certificate # 000381

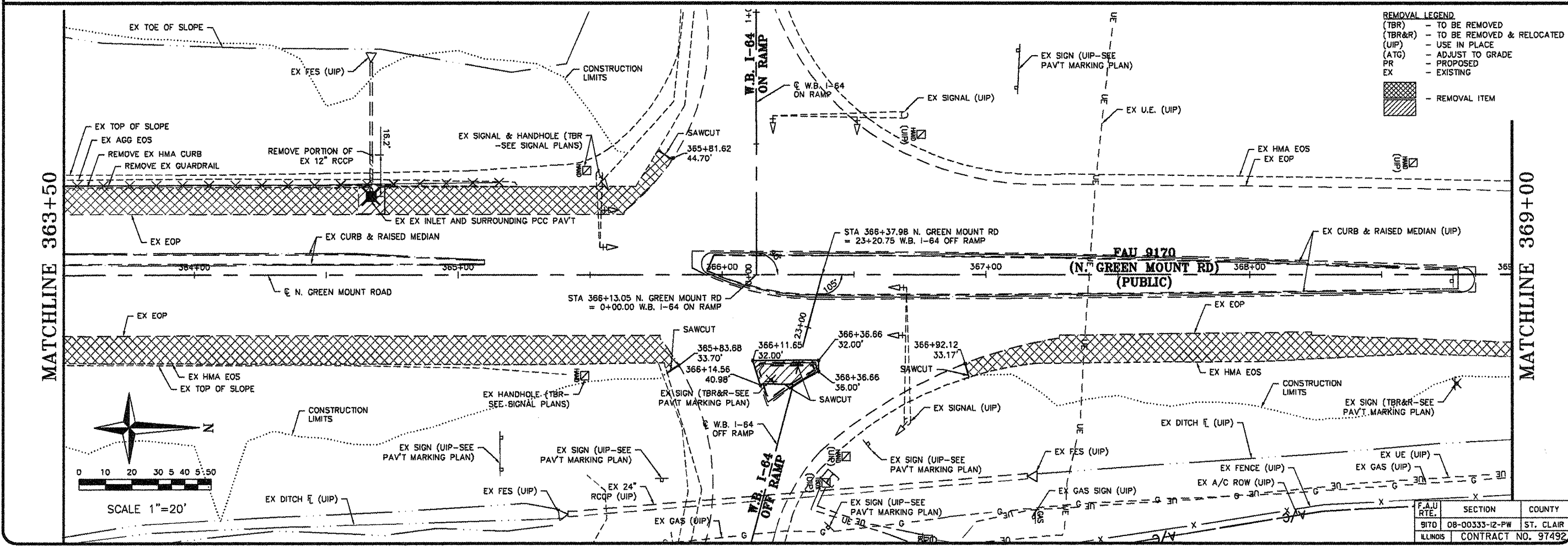
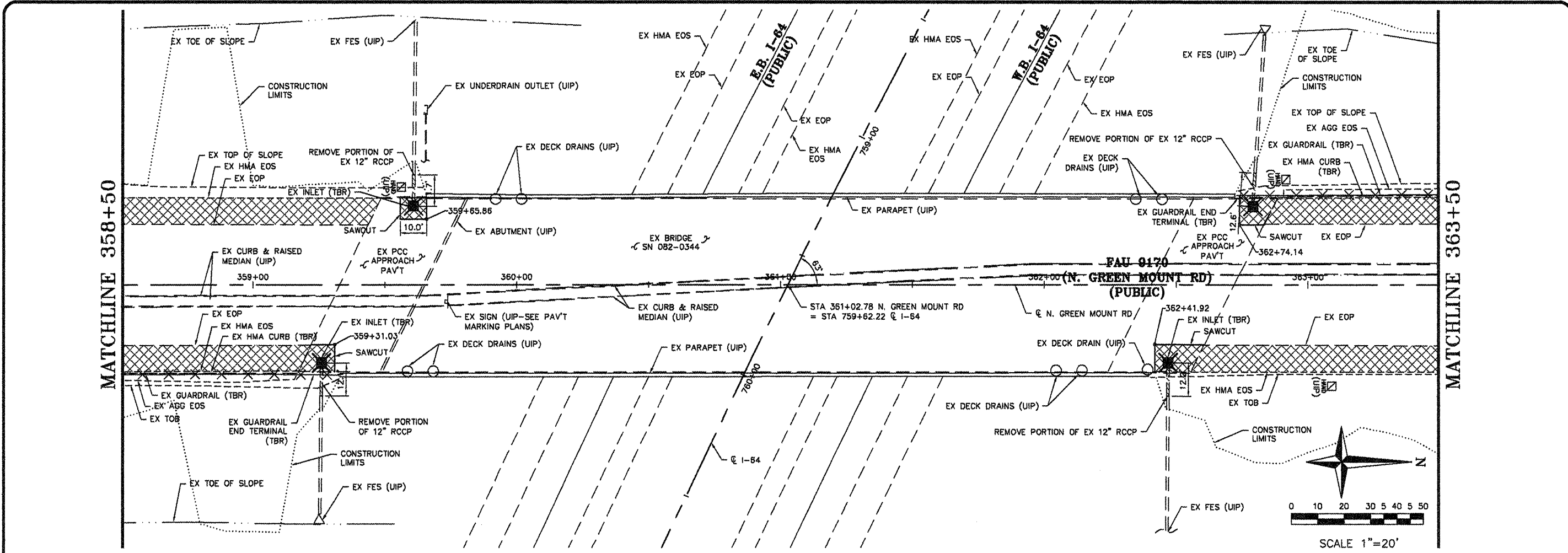
CIVIL ENGINEER  
4/20/12



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REMOVAL SHEETS  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

**REMOVAL LEGEND**  
(TBR) - TO BE REMOVED  
(TBR&R) - TO BE REMOVED & RELOCATED  
(UIP) - USE IN PLACE  
(ATG) - ADJUST TO GRADE  
PR - PROPOSED  
EX - EXISTING  
[Hatched Box] - REMOVAL ITEM



F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

ISSUE RECORD

DATE	DESCRIPTION
PS&E 4/20/12	

Corporate Engineering Certificate # 000381

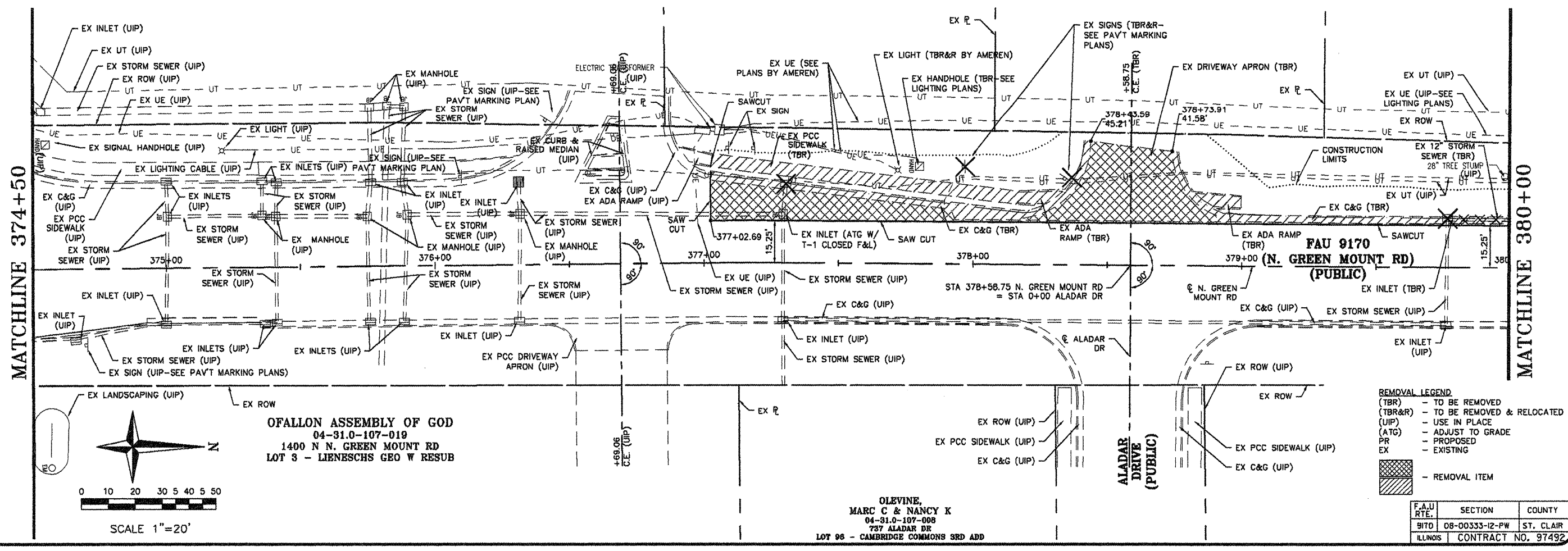
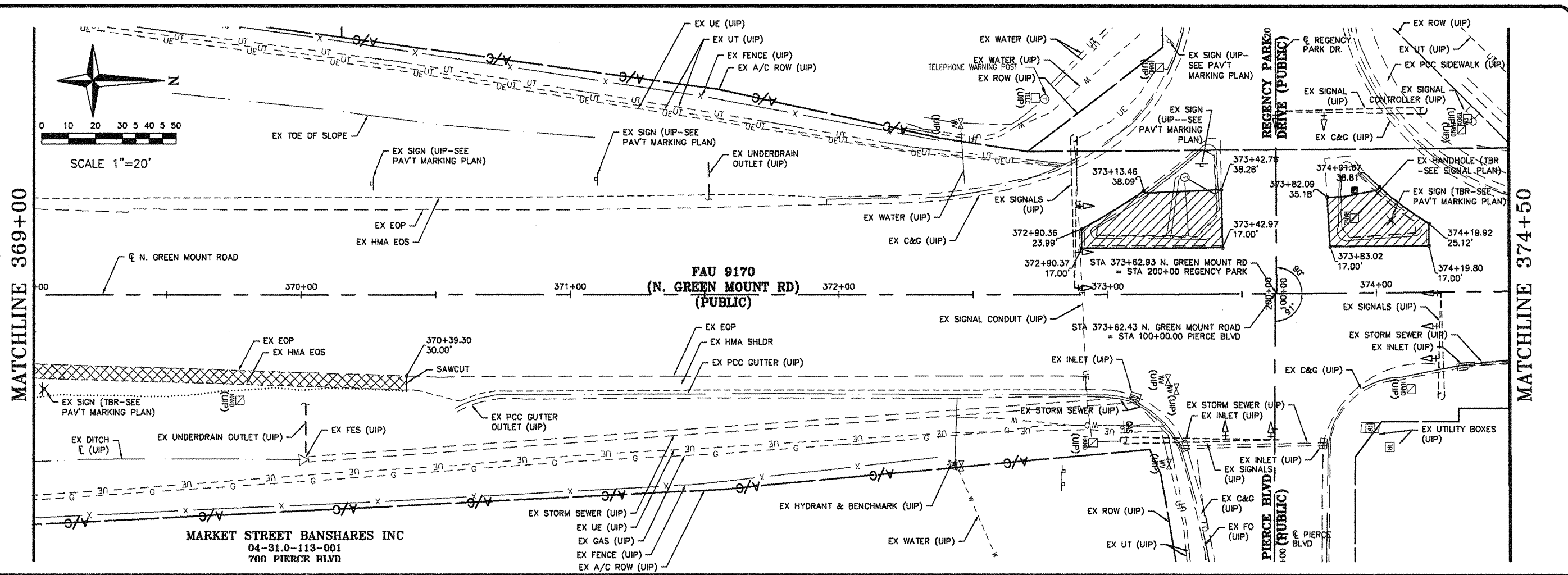
CIVIL ENGINEER  
4/20/12

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**REMOVAL SHEETS**

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



REMOVAL LEGEND

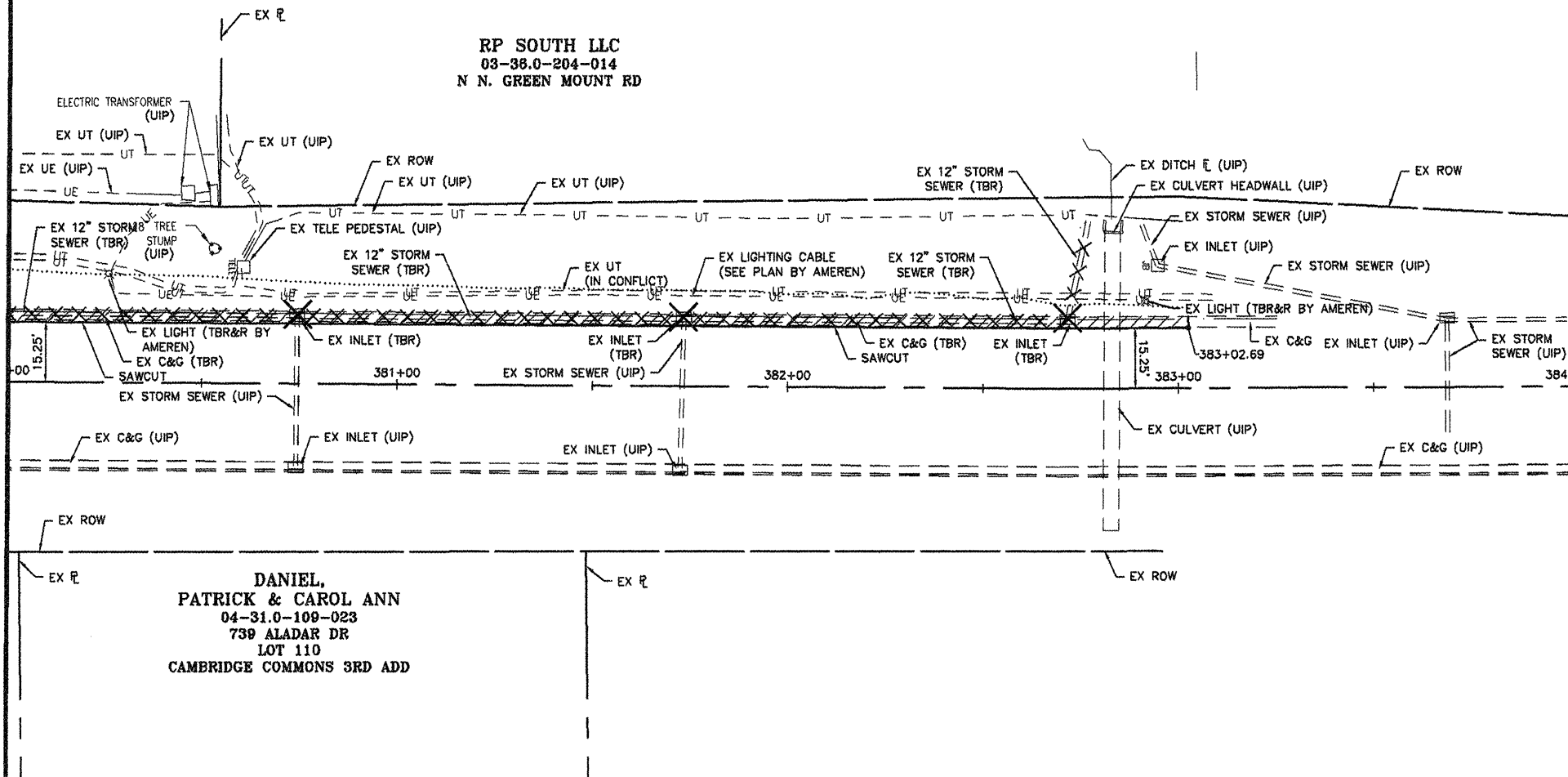
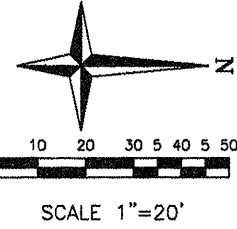
- (TBR) - TO BE REMOVED
- (TBR&R) - TO BE REMOVED & RELOCATED
- (UIP) - USE IN PLACE
- (ATG) - ADJUST TO GRADE
- PR - PROPOSED
- EX - EXISTING
- [Hatched Box] - REMOVAL ITEM

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

MATCHLINE 380+00

RP SOUTH LLC  
03-38.0-204-014  
N N. GREEN MOUNT RD

DANIEL,  
PATRICK & CAROL ANN  
04-31.0-109-023  
739 ALADAR DR  
LOT 110  
CAMBRIDGE COMMONS 3RD ADD



- REMOVAL LEGEND**
- (TBR) - TO BE REMOVED
  - (TBR&R) - TO BE REMOVED & RELOCATED
  - (UIP) - USE IN PLACE
  - (ATG) - ADJUST TO GRADE
  - PR - PROPOSED
  - EX - EXISTING
- REMOVAL ITEM

SHEET NO.  
**22 OF 55**

Job No. 068-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
4/20/12	FS&E

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12

**CBB** Crawford, Bunte, Brammeier  
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St. Louis, Missouri/Glen Carbon, Illinois  
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**REMOVAL SHEETS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
91TD	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Job No. 086-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE

ISSUE

DATE

ISSUE

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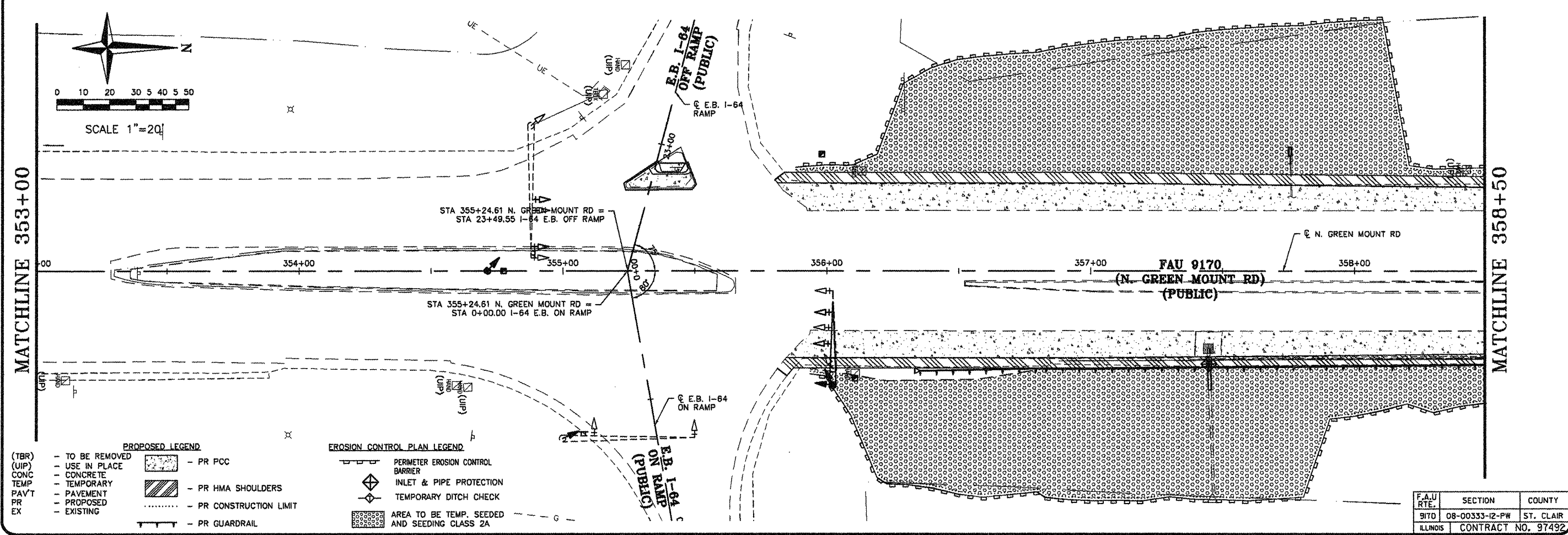
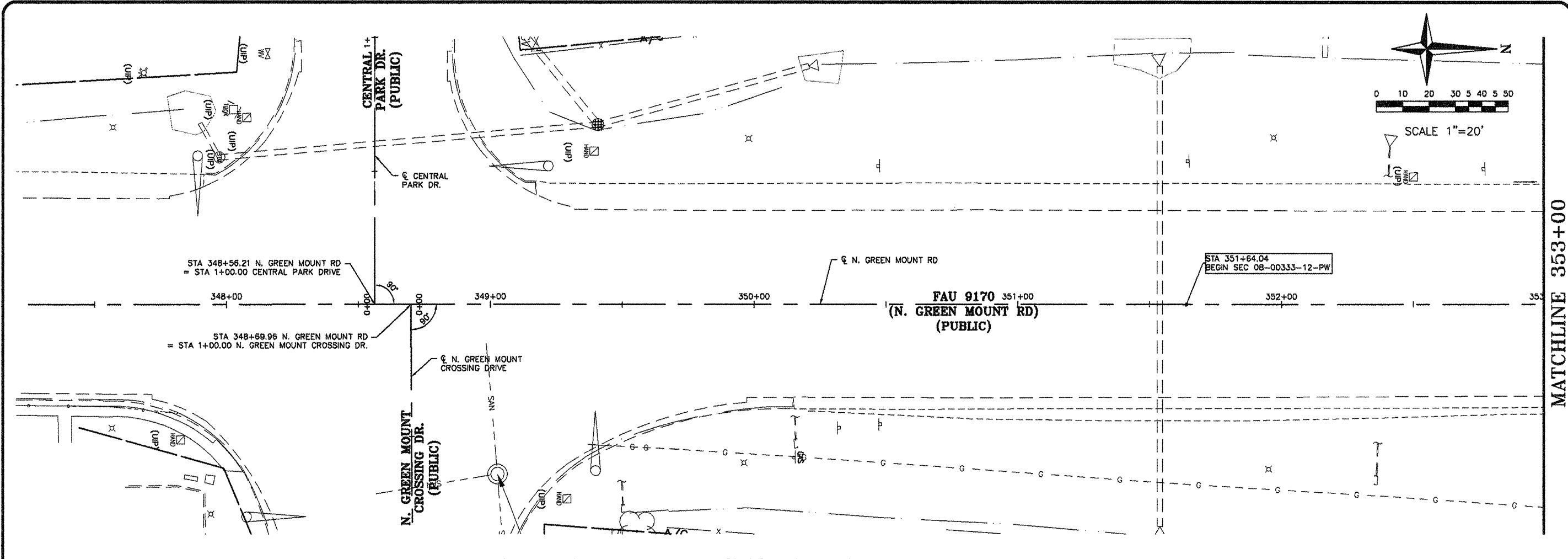
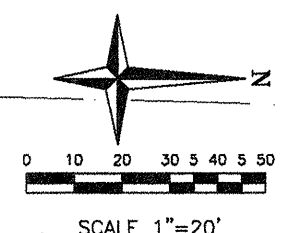
Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12



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**EROSION CONTROL PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



- PROPOSED LEGEND**
- (TBR) TO BE REMOVED
  - (CIP) USE IN PLACE
  - CONC CONCRETE
  - TEMP TEMPORARY
  - PAV PAVEMENT
  - PROPOSED
  - EXISTING
- EROSION CONTROL PLAN LEGEND**
- PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL
  - PERIMETER EROSION CONTROL BARRIER
  - INLET & PIPE PROTECTION
  - TEMPORARY DITCH CHECK
  - AREA TO BE TEMP. SEEDED AND SEEDING CLASS 2A

F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
FS# 4/28/12	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12



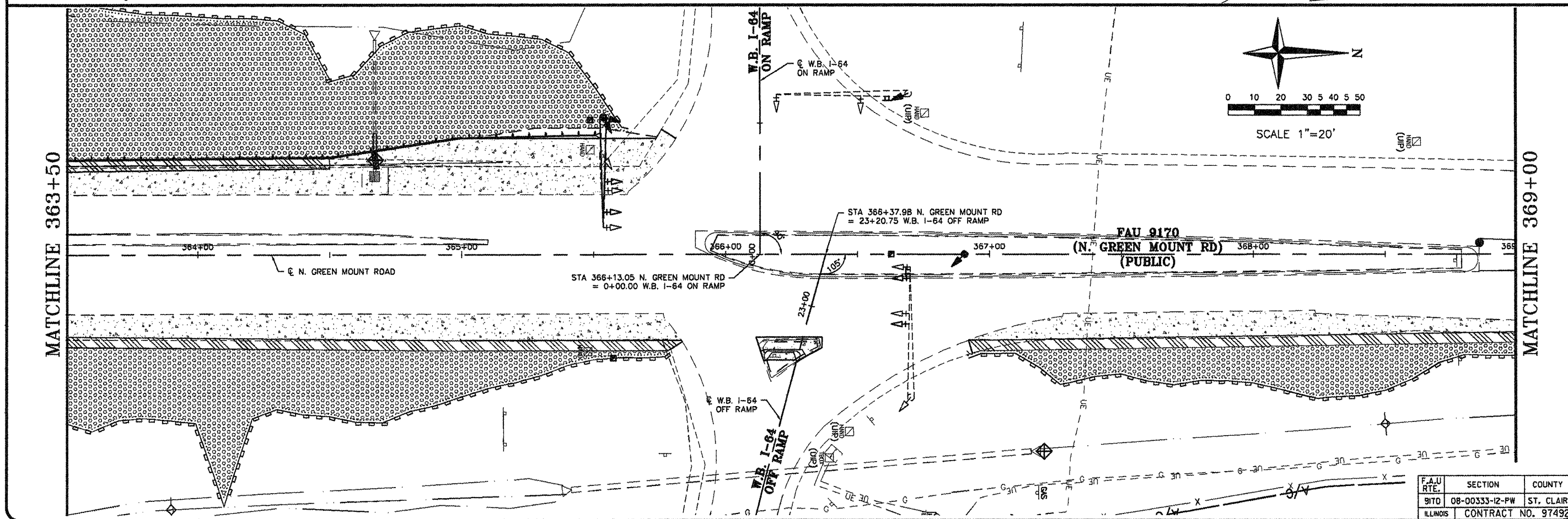
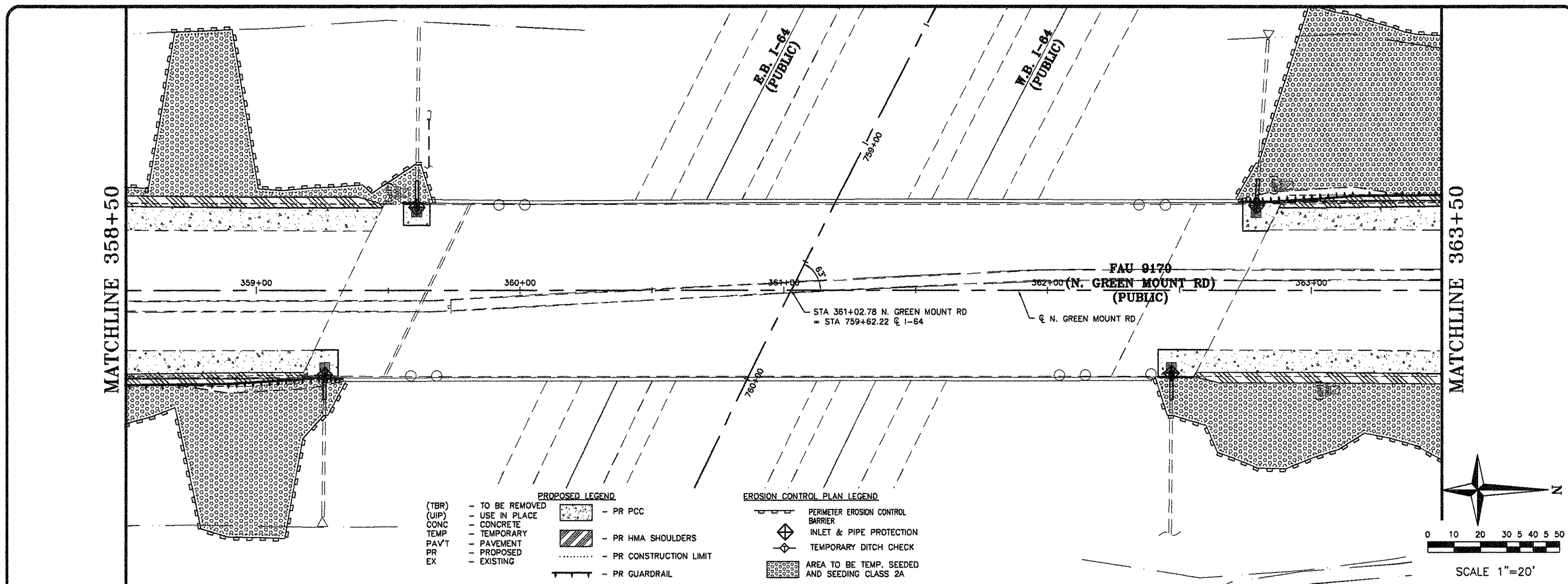
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EROSION CONTROL PLAN

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	





Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE  
FR&S 4/20/12

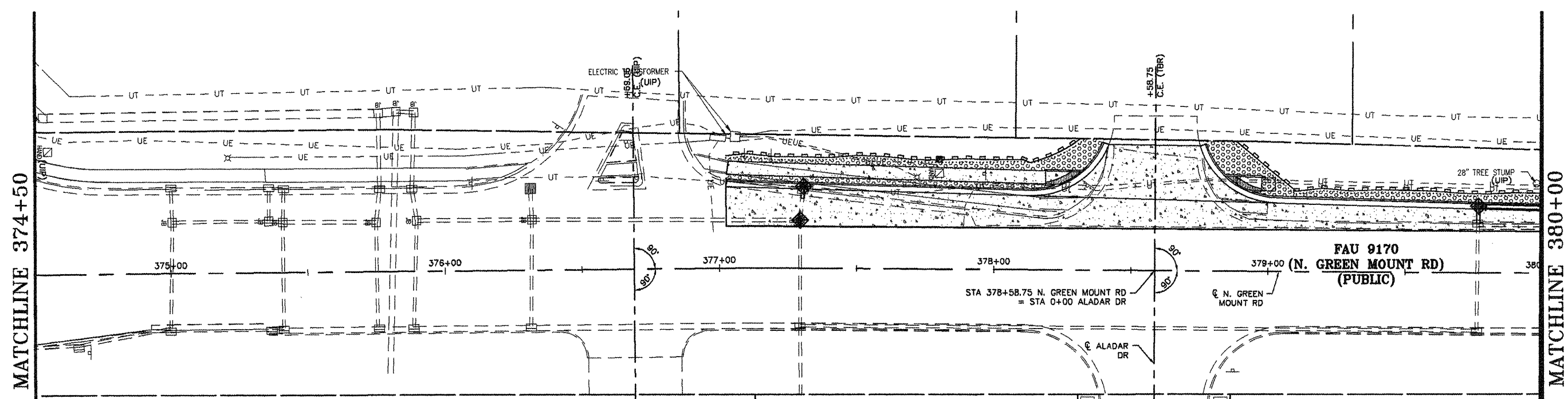
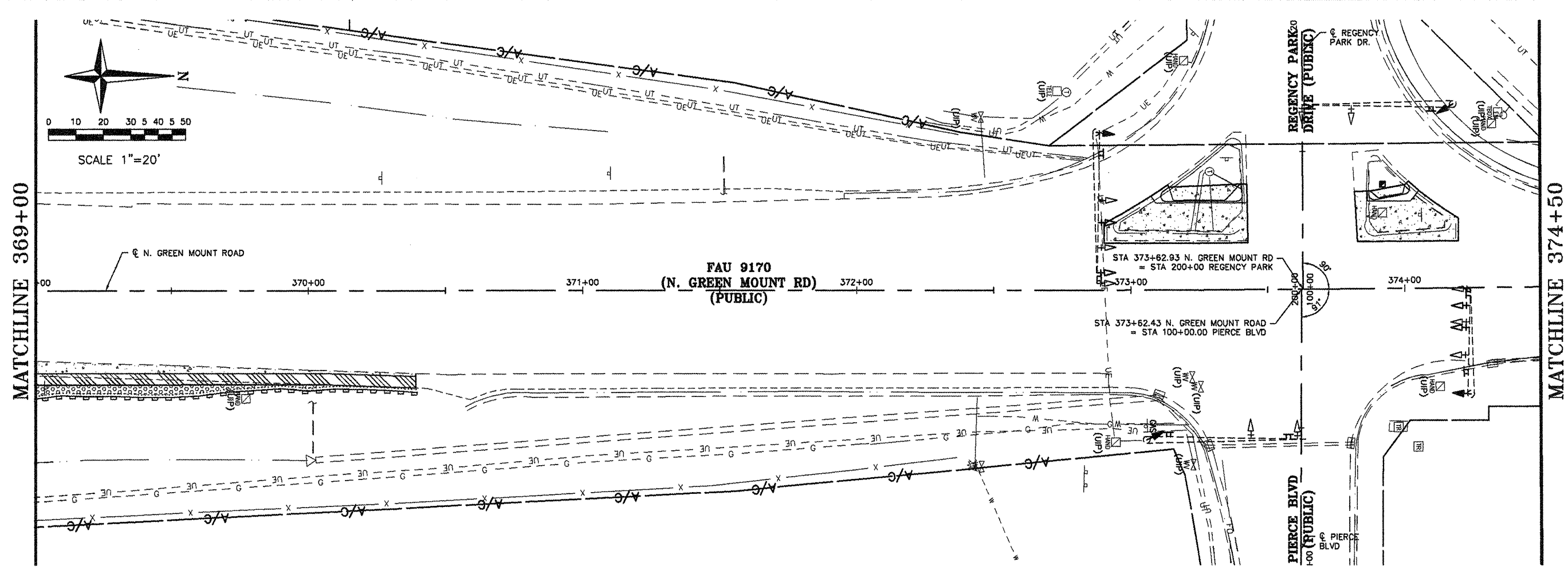
Corporate Engineering Certificate # 000361

CIVIL ENGINEER  
4/20/12

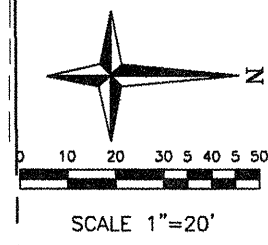


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**EROSION CONTROL PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

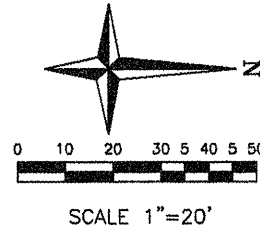
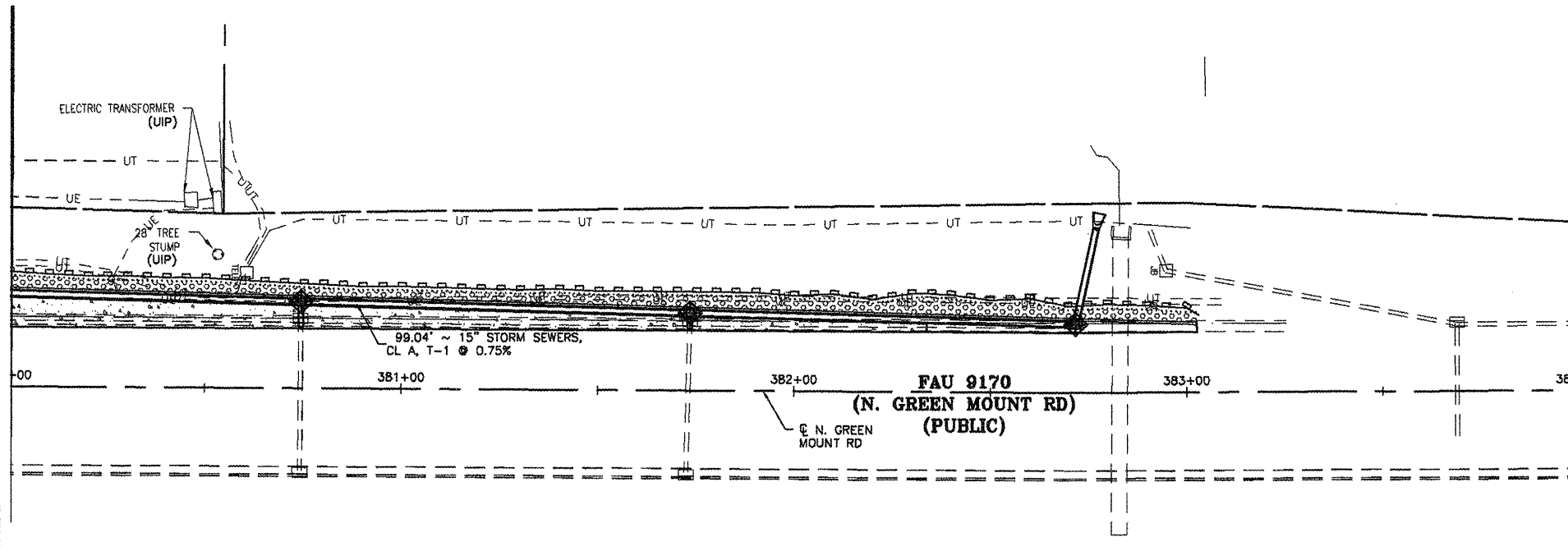


- PROPOSED LEGEND**
- (TBR) - TO BE REMOVED
  - (UIP) - USE IN PLACE
  - CONC - CONCRETE
  - TEMP - TEMPORARY
  - PAVT - PAVEMENT
  - PR - PROPOSED
  - EX - EXISTING
- EROSION CONTROL PLAN LEGEND**
- PERIMETER EROSION CONTROL BARRIER
  - INLET & PIPE PROTECTION
  - TEMPORARY DITCH CHECK
  - AREA TO BE TEMP. SEEDED AND SEEDING CLASS 2A
  - PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL



F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

MATCHLINE 380+00



- PROPOSED LEGEND**
- (TBR) - TO BE REMOVED
  - (UIP) - USE IN PLACE
  - CONC - CONCRETE
  - TEMP - TEMPORARY
  - PAVT - PAVEMENT
  - PR - PROPOSED
  - EX - EXISTING
- PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL

- EROSION CONTROL PLAN LEGEND**
- PERIMETER EROSION CONTROL BARRIER
  - INLET & PIPE PROTECTION
  - TEMPORARY DITCH CHECK
  - AREA TO BE TEMP. SEEDED AND SEEDING CLASS 2A

SHEET NO.  
**26 of 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: 8th08 Plans

ISSUE RECORD	
DATE	DESCRIPTION
1/20/12	
4/20/12	

Corporate Engineering Certificate # 000361

CIVIL ENGINEER  
4/20/12

**CBB** Crawford, Bunte, Brammeier  
Traffic and Transportation Engineers

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**EROSION CONTROL PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

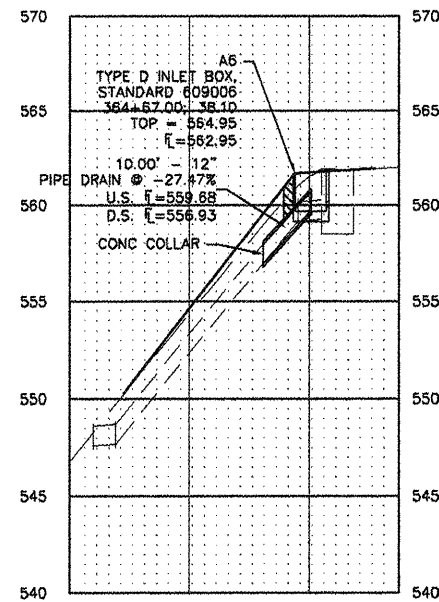
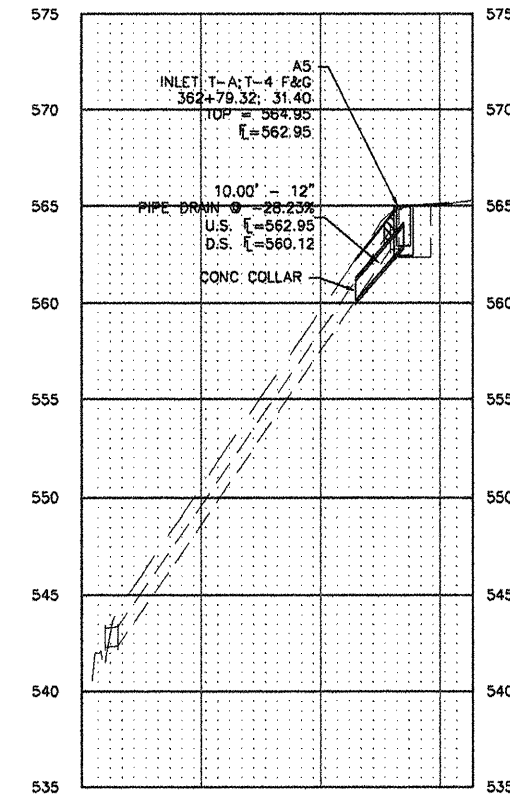
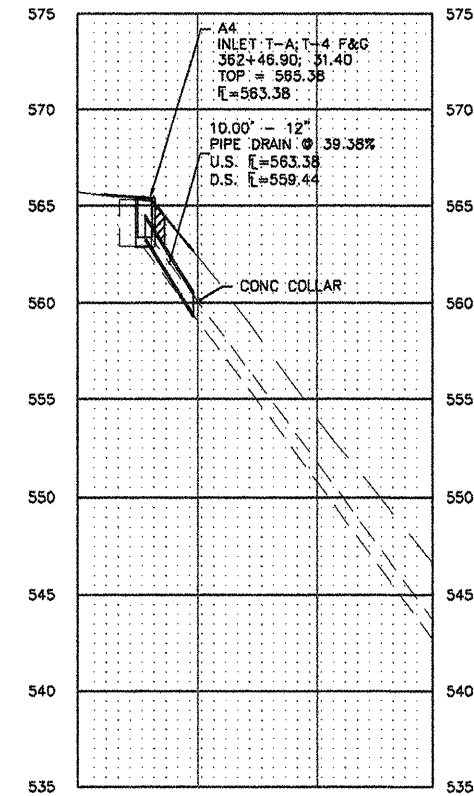
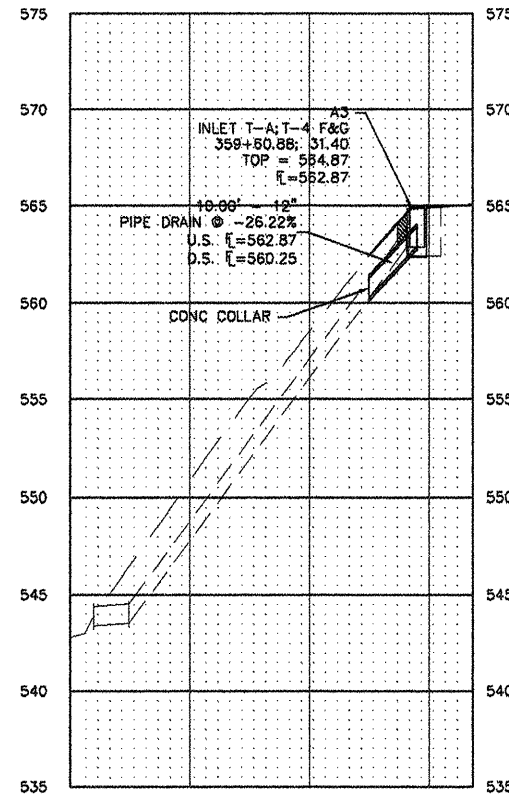
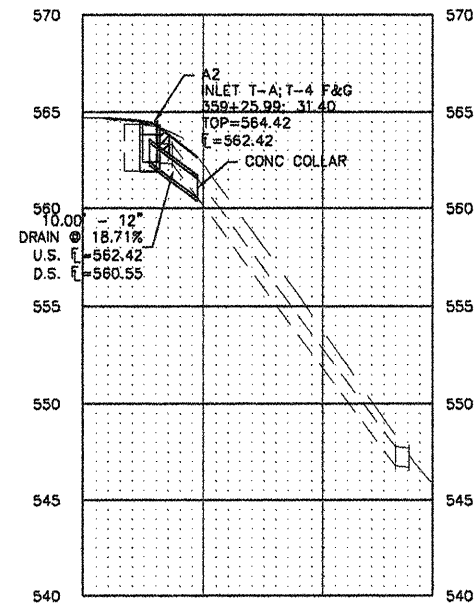
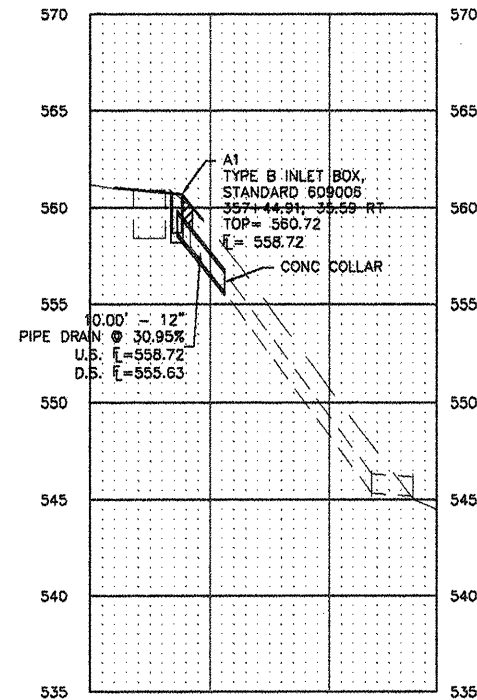
ISSUE RECORD

DATE  
PS&E 4/26/12

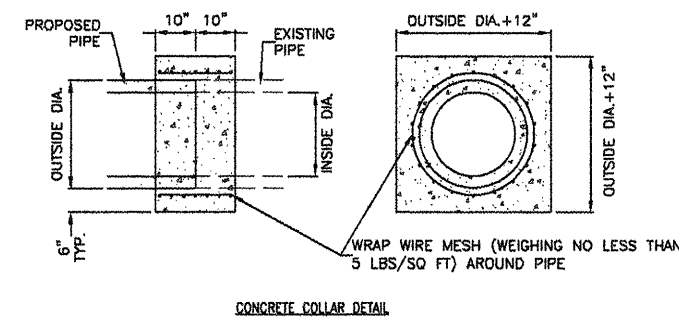
Corporate Engineering Certificate # 000381  
CIVIL ENGINEER  
4/20/12

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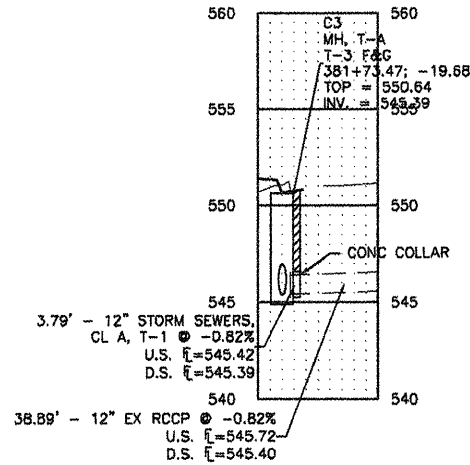
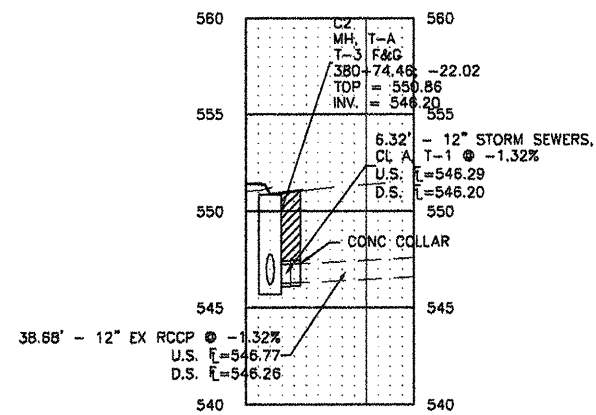
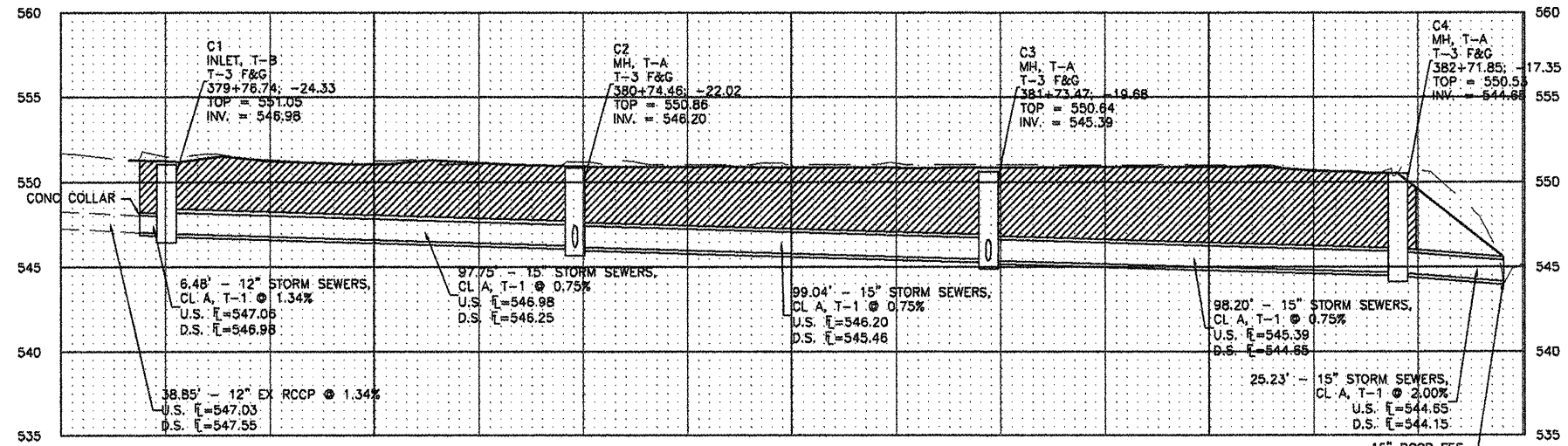
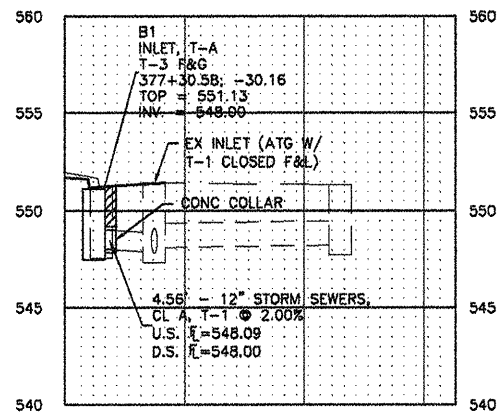
**STORM SEWER PROFILES**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



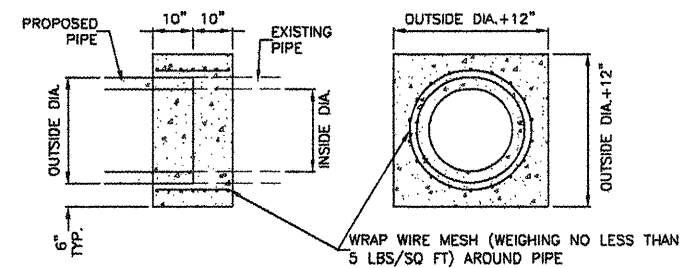
LEDGED  
TOP =  $\bar{E}$  OF CURB  
INV = INVERT OF MANHOLE  
US = UPSTREAM  
DS = DOWNSTREAM  
 $\bar{E}$  = FLOWLINE  
[Hatched Box] = TRENCH BACKFILL



F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	



LEDGED  
TOP =  $\bar{E}$  OF CURB  
INV = INVERT OF MANHOLE  
US = UPSTREAM  
DS = DOWNSTREAM  
 $\bar{E}$  = FLOWLINE  
[Hatched Box] = TRENCH BACKFILL



F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**28 OF 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: 888b Plans

ISSUE RECORD	
DATE	DESCRIPTION
FS&E 4/20/12	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12

STATE OF ILLINOIS  
REGISTERED PROFESSIONAL ENGINEER  
BRUCE  
CRAWFORD  
NUMBER  
088888

**CBB** Crawford, Bunte, Brammeyer  
Traffic and Transportation Engineers

St. Louis, Missouri/Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**STORM SEWER PROFILES**  
N. GREEN MOUNT ROAD & 1-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

Job No. 086-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

DATE	ISSUE RECORD
FS&E 4/20/12	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12

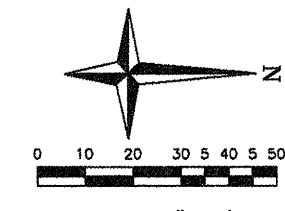
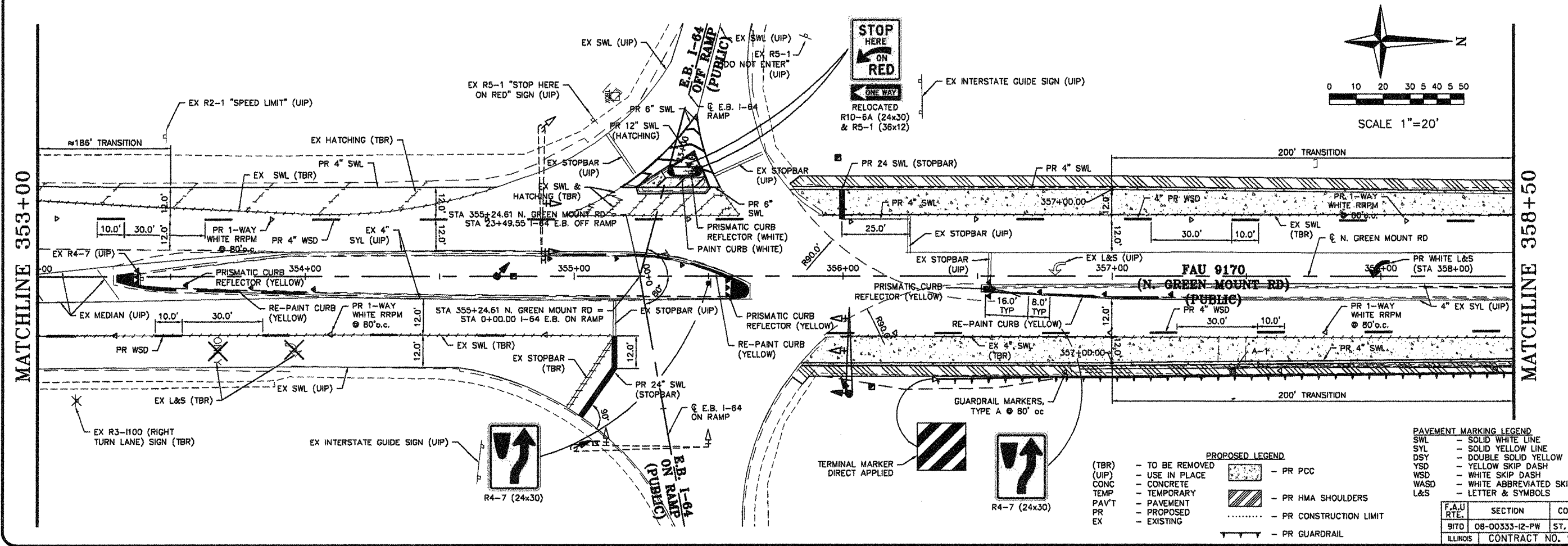
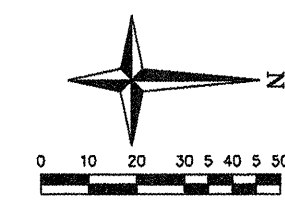
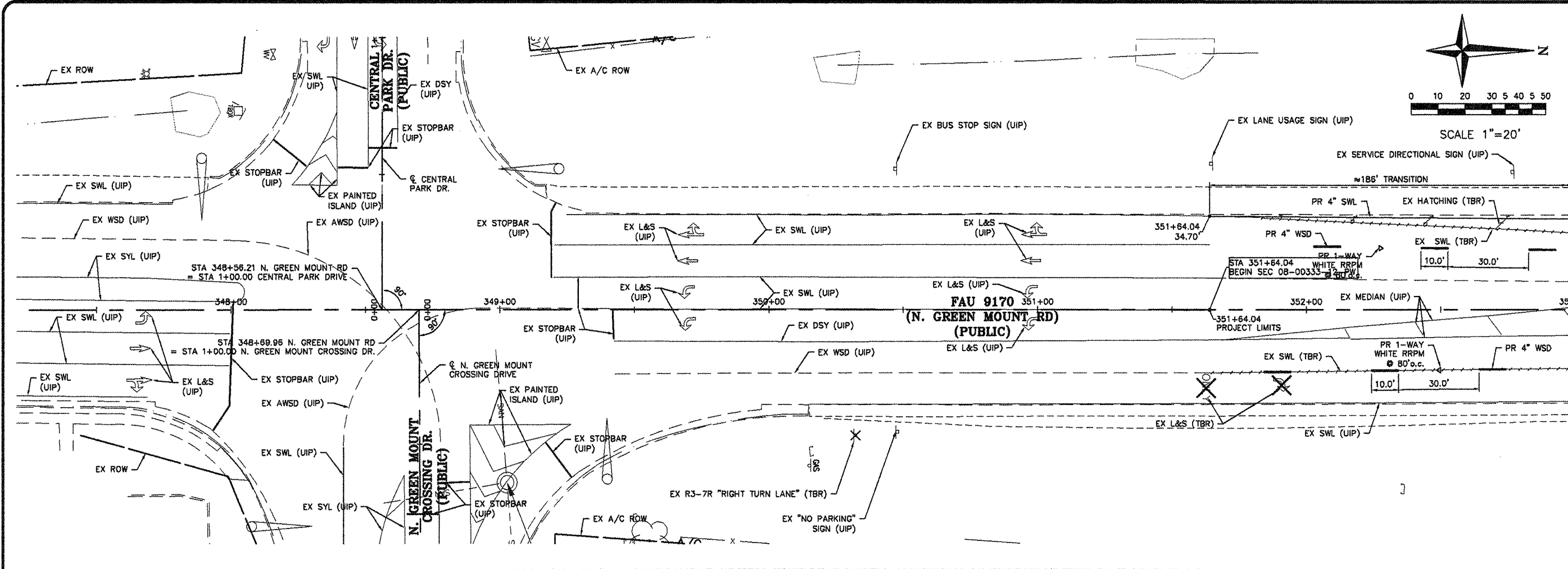


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Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**PAVEMENT MARKING PLAN**

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



MATCHLINE 353+00

MATCHLINE 358+50

<p>(TBR) - TO BE REMOVED</p> <p>(UIP) - USE IN PLACE</p> <p>CONC - CONCRETE</p> <p>TEMP - TEMPORARY</p> <p>PAVT - PAVEMENT</p> <p>PR - PROPOSED</p> <p>EX - EXISTING</p>	<p><b>PROPOSED LEGEND</b></p> <p>[Symbol] - PR PCC</p> <p>[Symbol] - PR HMA SHOULDERS</p> <p>[Symbol] - PR CONSTRUCTION LIMIT</p> <p>[Symbol] - PR GUARDRAIL</p>	<p><b>PAVEMENT MARKING LEGEND</b></p> <p>SWL - SOLID WHITE LINE</p> <p>SYL - SOLID YELLOW LINE</p> <p>DSY - DOUBLE SOLID YELLOW</p> <p>YSD - YELLOW SKIP DASH</p> <p>WSD - WHITE SKIP DASH</p> <p>L&amp;S - WHITE ABBREVIATED SKIP DASH</p> <p>LETTER &amp; SYMBOLS</p>	<table border="1"> <thead> <tr> <th>F.A.U. RTE.</th> <th>SECTION</th> <th>COUNTY</th> </tr> </thead> <tbody> <tr> <td>917D</td> <td>08-00333-12-PW</td> <td>ST. CLAIR</td> </tr> <tr> <td>ILLINOIS</td> <td colspan="2">CONTRACT NO. 97492</td> </tr> </tbody> </table>	F.A.U. RTE.	SECTION	COUNTY	917D	08-00333-12-PW	ST. CLAIR	ILLINOIS	CONTRACT NO. 97492	
F.A.U. RTE.	SECTION	COUNTY										
917D	08-00333-12-PW	ST. CLAIR										
ILLINOIS	CONTRACT NO. 97492											

ISSUE RECORD

DATE	DESCRIPTION
FS&E 4/20/12	

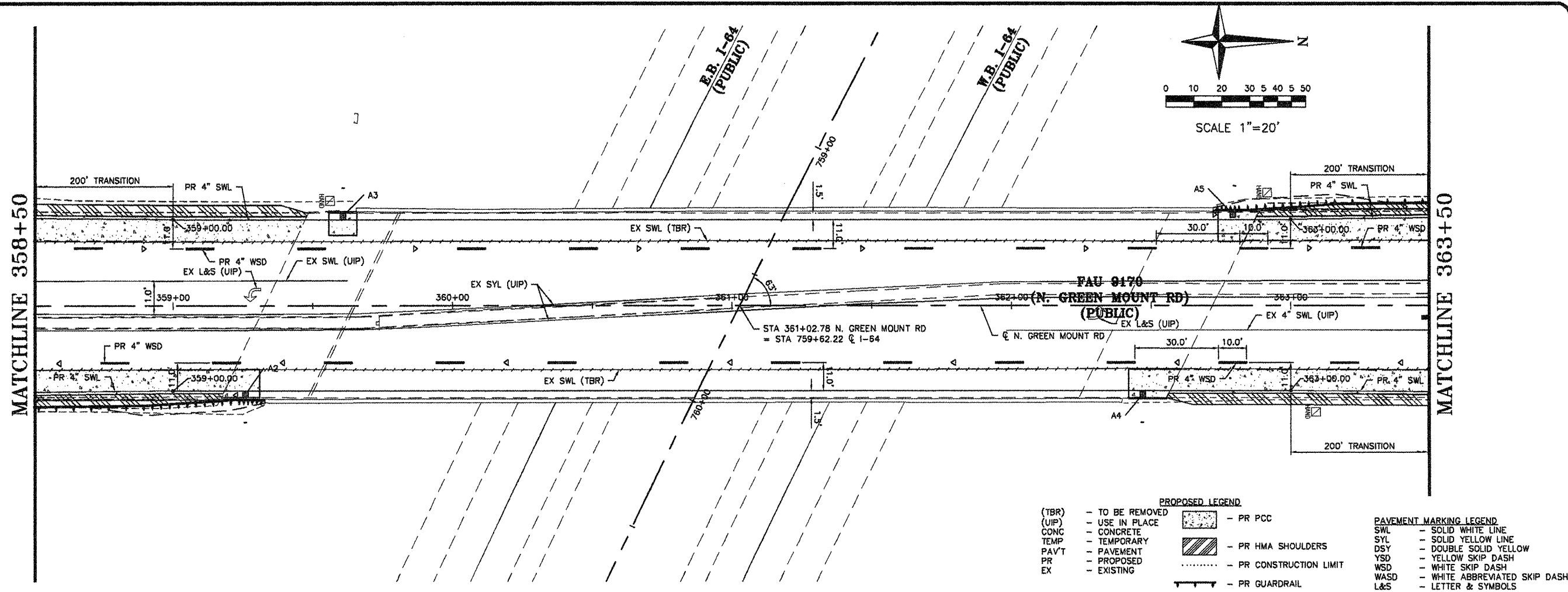
Corporate Engineering Certificate # 000261

CIVIL ENGINEER  
4/20/12

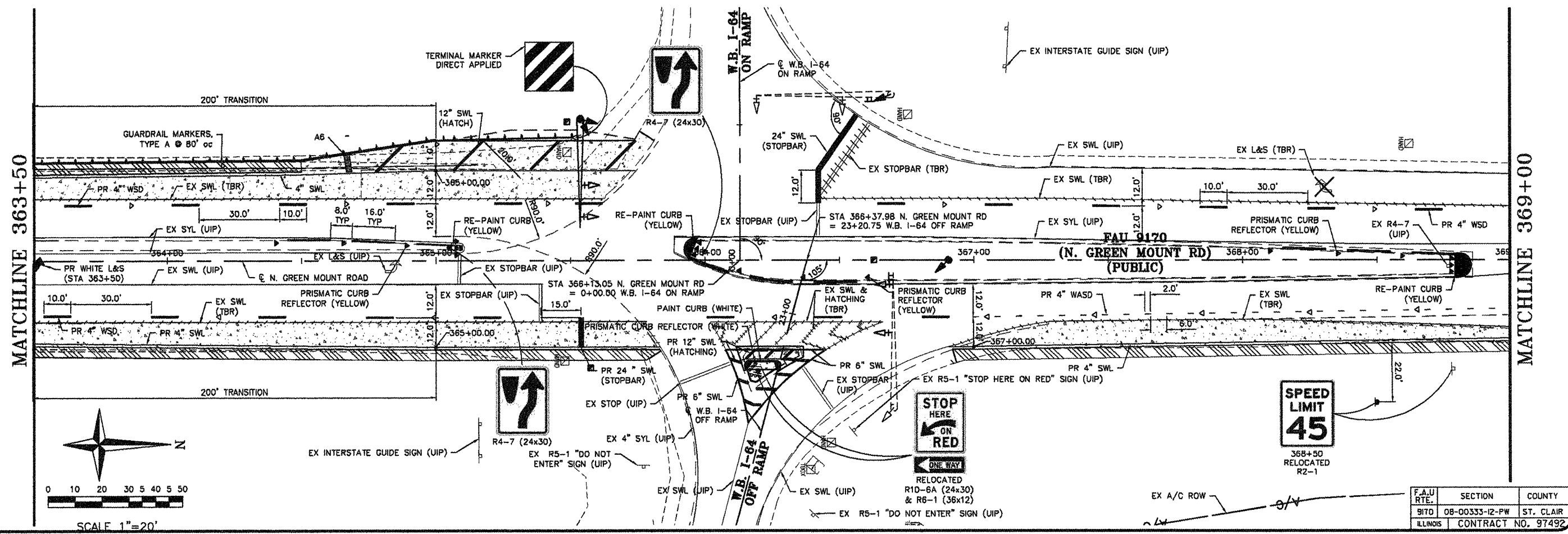
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Traffic and Transportation Engineers

St. Louis, Missouri / Glen Carbon, Illinois  
314-878-6644 618-656-2612  
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**PAVEMENT MARKING PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



- PROPOSED LEGEND**
- (TBR) - TO BE REMOVED
  - (UIP) - USE IN PLACE
  - CONC - CONCRETE
  - TEMP - TEMPORARY
  - PAVT - PAVEMENT
  - PR - PROPOSED
  - EX - EXISTING
  - PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL
- PAVEMENT MARKING LEGEND**
- SWL - SOLID WHITE LINE
  - SYL - SOLID YELLOW LINE
  - DSY - DOUBLE SOLID YELLOW
  - YSD - YELLOW SKIP DASH
  - WSD - WHITE SKIP DASH
  - WASD - WHITE ABBREVIATED SKIP DASH
  - L&S - LETTER & SYMBOLS



F.A.U. RTE.	SECTION	COUNTY
91TD	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Job No. 086-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE

DESCRIPTION

DATE

DESCRIPTION

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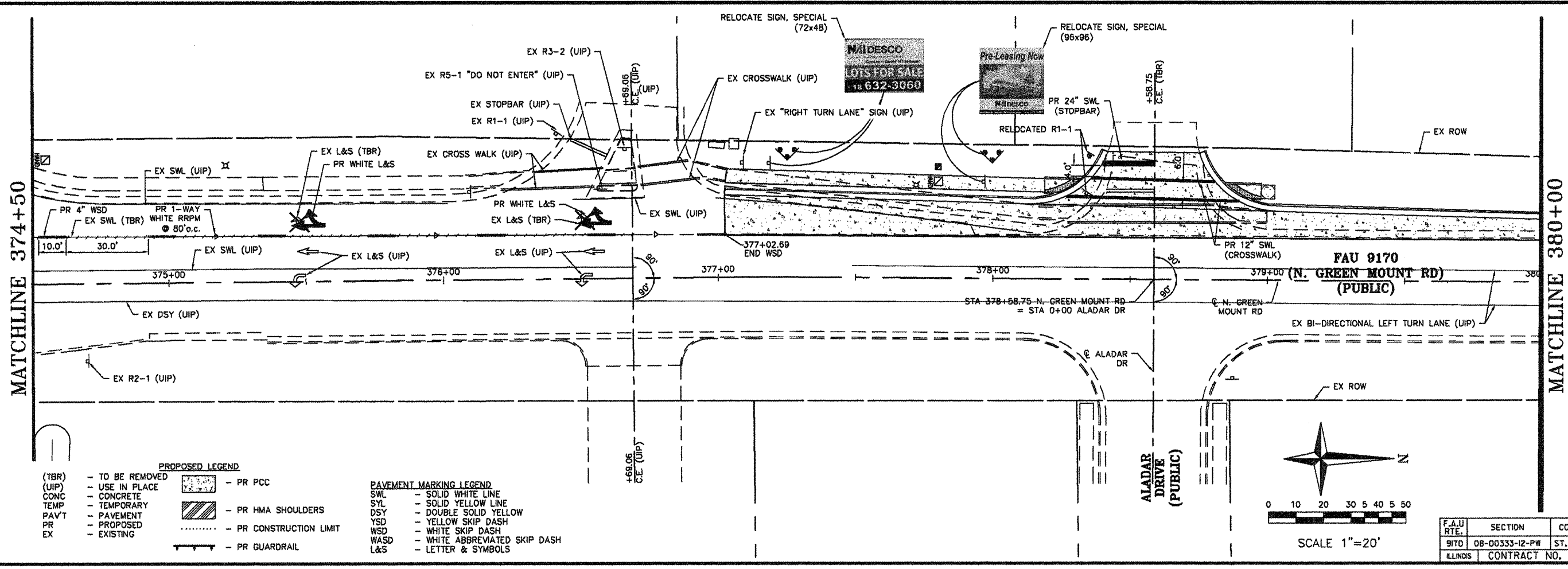
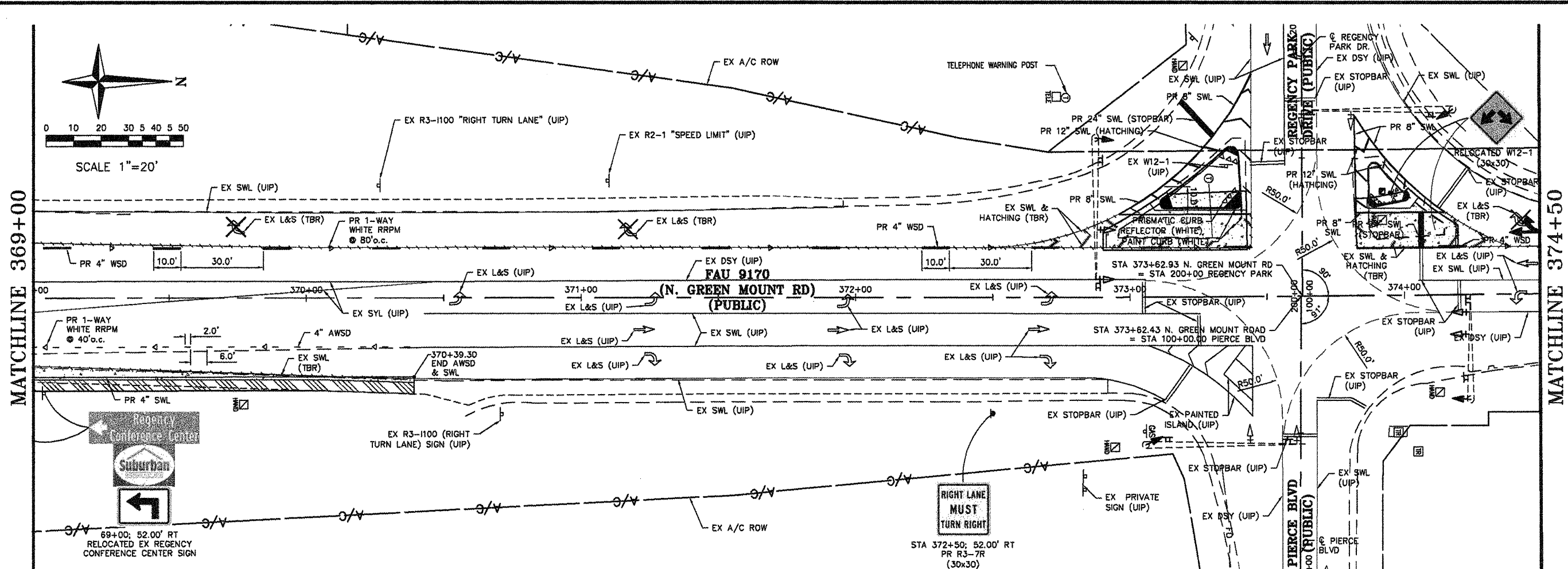
DATE

DESCRIPTION

Corporate Engineering Certificate # 000387

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Fax: 314-878-5876 E-Mail: cbb@cbbrtraffic.com

**PAVEMENT MARKING PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



**PROPOSED LEGEND**

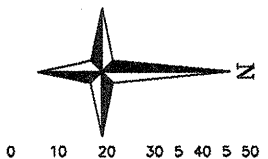
- (TBR) - TO BE REMOVED
- (UIP) - USE IN PLACE
- CONC - CONCRETE
- TEMP - TEMPORARY
- PAVT - PAVEMENT
- PR - PROPOSED
- EX - EXISTING

**PAVEMENT MARKING LEGEND**

- SWL - SOLID WHITE LINE
- SYL - SOLID YELLOW LINE
- DSY - DOUBLE SOLID YELLOW
- YSD - YELLOW SKIP DASH
- WSD - WHITE SKIP DASH
- WASD - WHITE ABBREVIATED SKIP DASH
- L&S - LETTER & SYMBOLS

- PR PCC
- PR HMA SHOULDERS
- PR CONSTRUCTION LIMIT
- PR GUARDRAIL

F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS CONTRACT NO. 97492		



MATCHLINE 369+00

MATCHLINE 374+50

MATCHLINE 374+50

MATCHLINE 380+00

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
04/20/12	ISSUE FOR 4/20/12

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12



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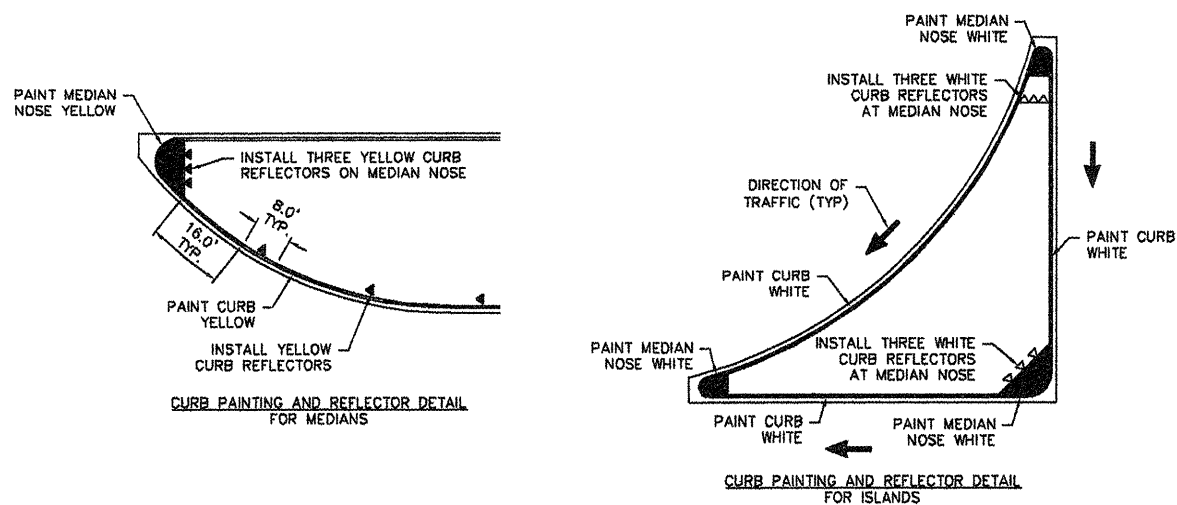
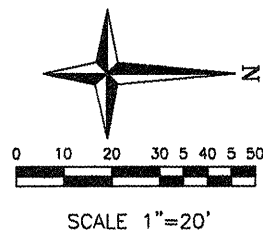
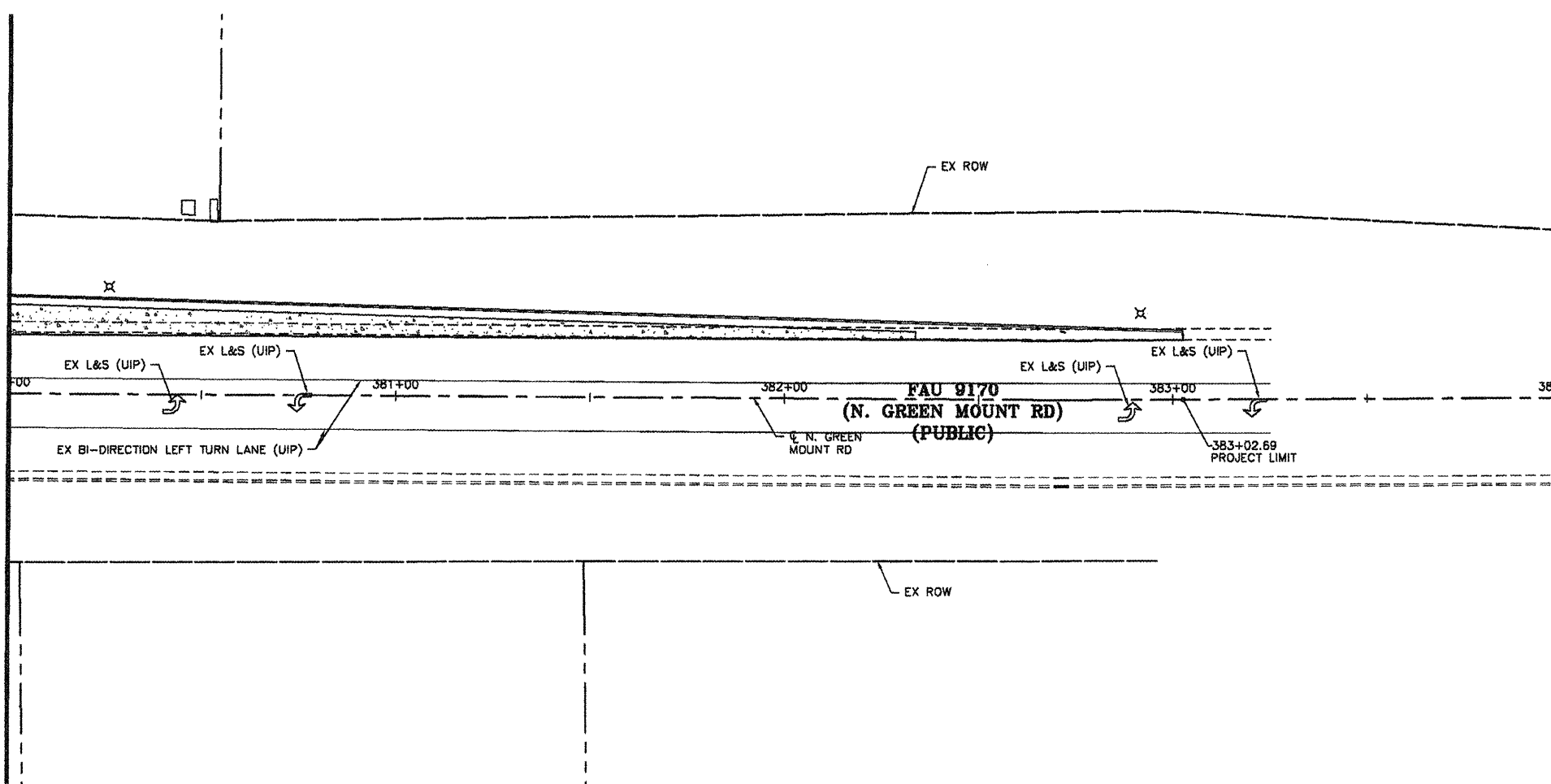
PAVEMENT MARKING PLAN

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

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  - EX - EXISTING
- PR PCC
  - PR HMA SHOULDERS
  - PR CONSTRUCTION LIMIT
  - PR GUARDRAIL

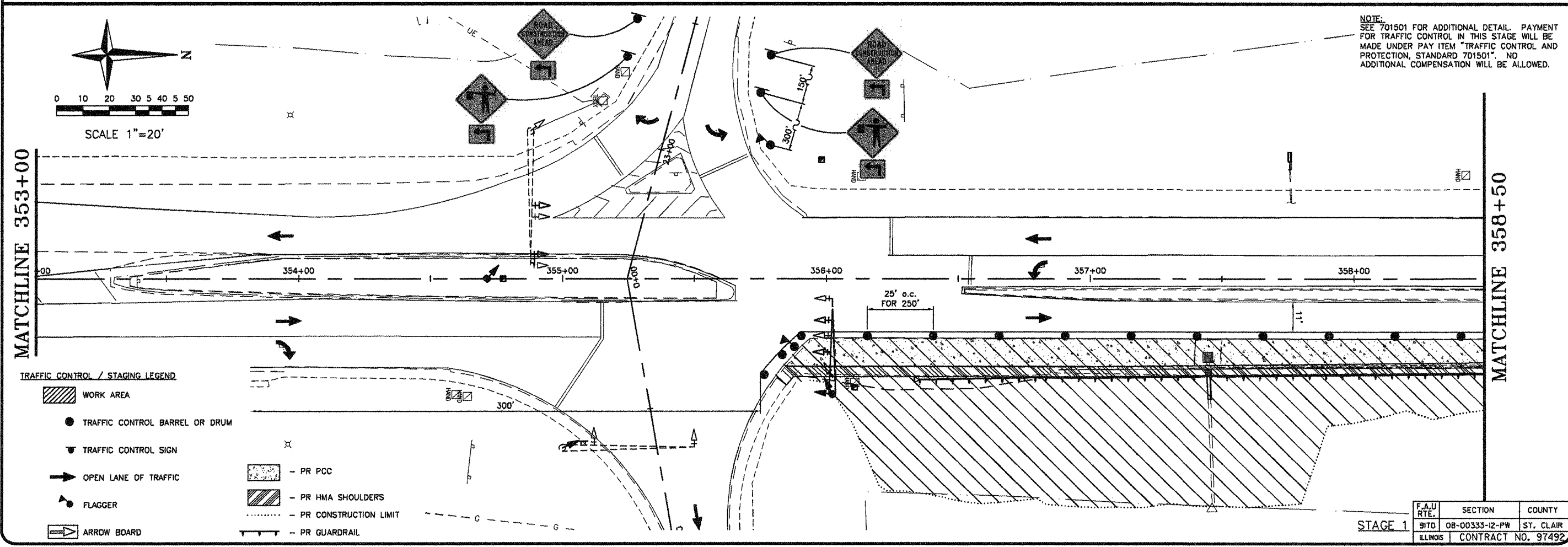
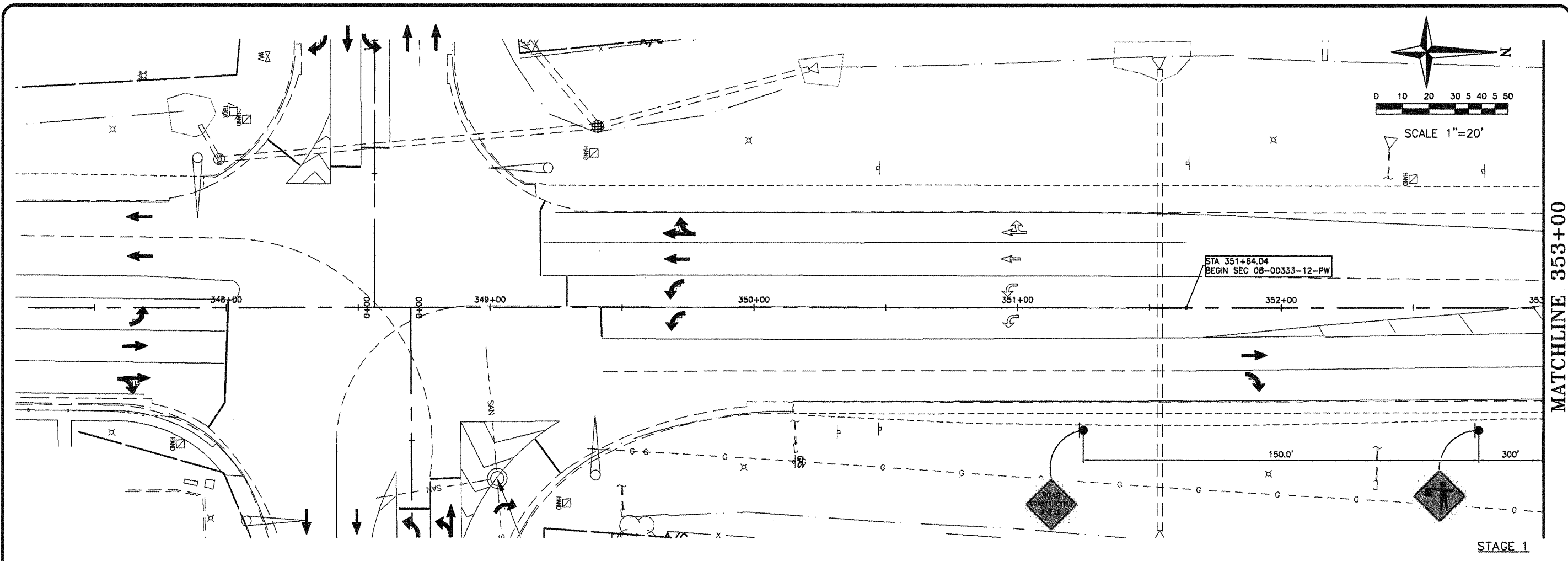
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  - WASD - WHITE ABBREVIATED SKIP DASH
  - L&S - LETTER & SYMBOLS

MATCHLINE 380+00



F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	





**TRAFFIC CONTROL / STAGING LEGEND**

- WORK AREA
- TRAFFIC CONTROL BARREL OR DRUM
- TRAFFIC CONTROL SIGN
- OPEN LANE OF TRAFFIC
- FLAGGER
- ARROW BOARD
- PR PCC
- PR HMA SHOULDERS
- PR CONSTRUCTION LIMIT
- PR GUARDRAIL

STAGE 1	F.A.U. RTE.	SECTION	COUNTY
	91TD	08-00333-12-PW	ST. CLAIR
	ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**33 of 55**

Job No. 086-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

**ISSUE RECORD**

DATE	DESCRIPTION
FSRE 4/20/12	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/2012

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Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

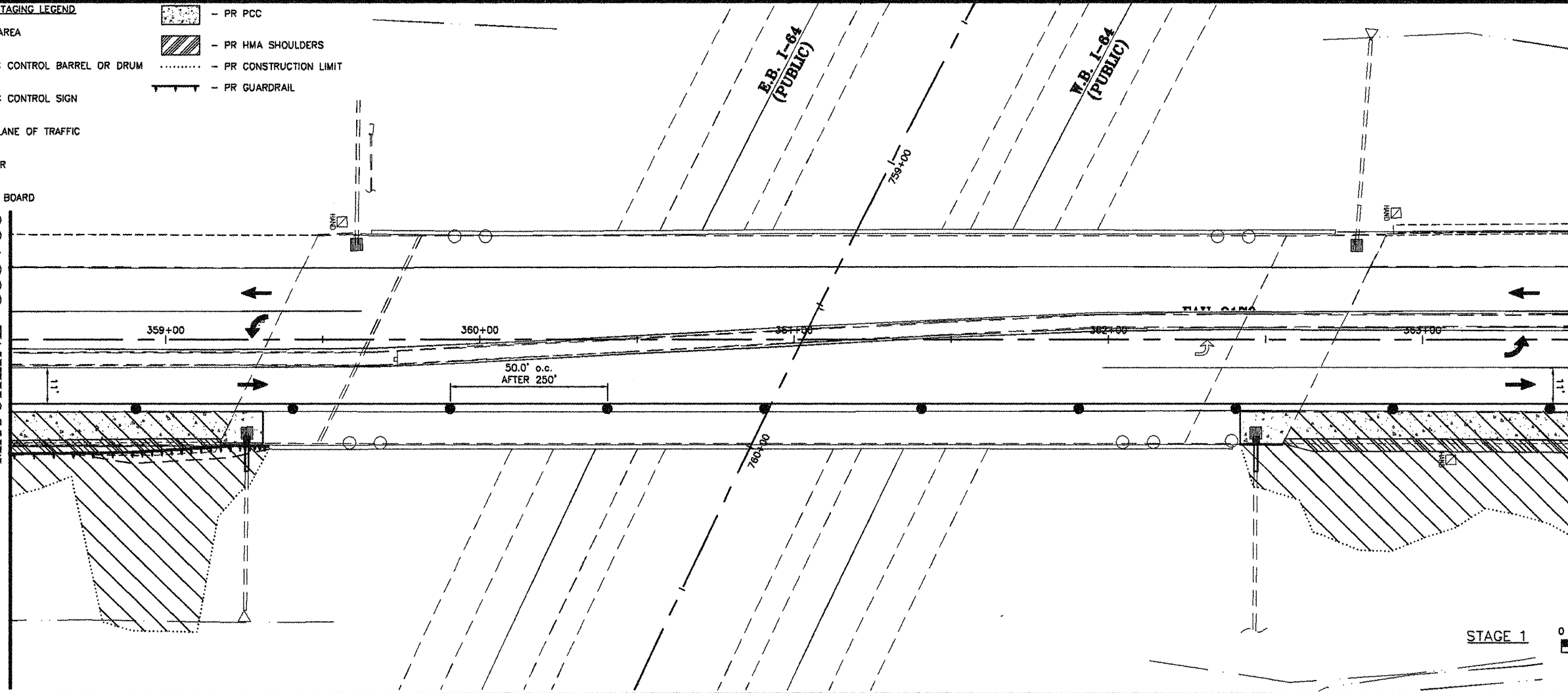
**TRAFFIC CONTROL PLAN**

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

TRAFFIC CONTROL / STAGING LEGEND

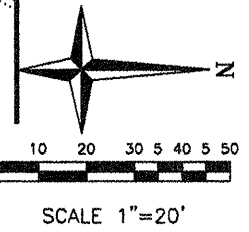
- WORK AREA
- TRAFFIC CONTROL BARREL OR DRUM
- TRAFFIC CONTROL SIGN
- OPEN LANE OF TRAFFIC
- FLAGGER
- ARROW BOARD
- PR PCC
- PR HMA SHOULDERS
- PR CONSTRUCTION LIMIT
- PR GUARDRAIL

MATCHLINE 358+50



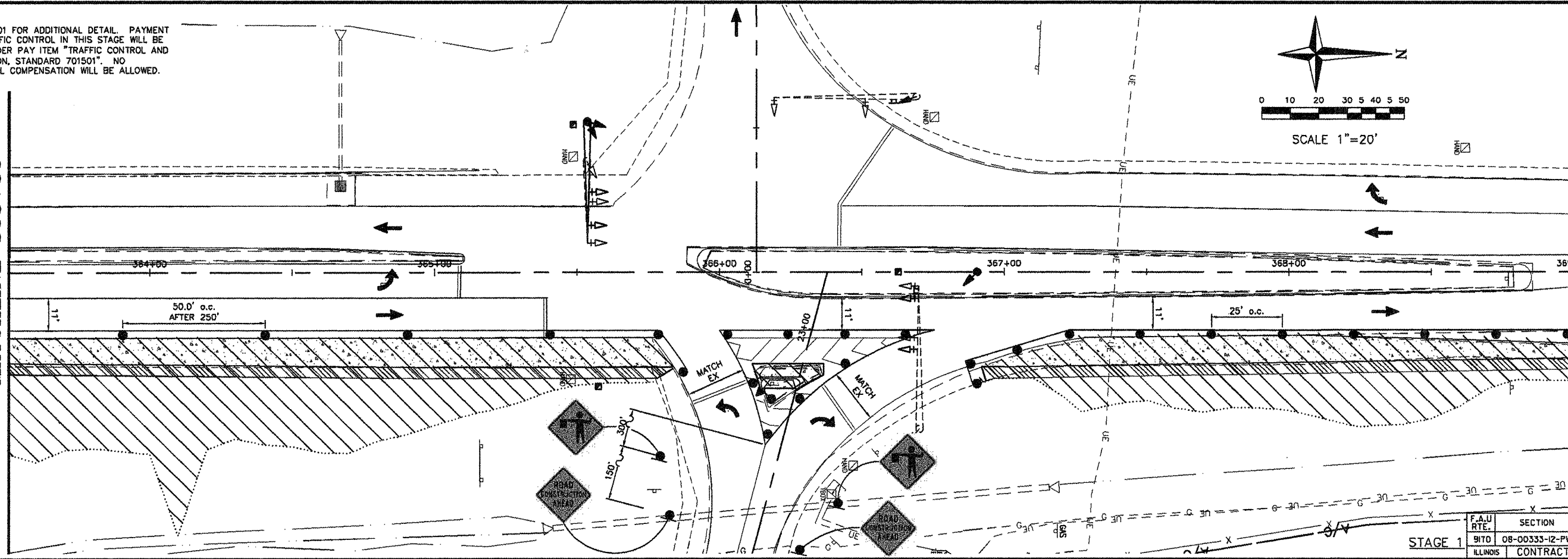
MATCHLINE 363+50

STAGE 1

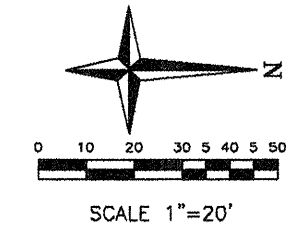


NOTE:  
SEE 701501 FOR ADDITIONAL DETAIL. PAYMENT FOR TRAFFIC CONTROL IN THIS STAGE WILL BE MADE UNDER PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701501". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

MATCHLINE 363+50



MATCHLINE 369+00



STAGE 1

F.A.U. RTE.	SECTION	COUNTY
ILLINOIS	08-00333-12-PW	ST. CLAIR
CONTRACT NO. 97492		

SHEET NO.  
**34 of 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD	
DATE	DESCRIPTION
4/20/12	PS&E

Corporate Engineering Certificate # 000387

CIVIL ENGINEER  
4/20/12

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Fax: 314-878-5876 E-Mail: cbb@cbtraffic.com

**TRAFFIC CONTROL PLAN**

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

Job No. 066-09  
 Scale: 1"=20'  
 Drawn by: BEC  
 Design by: BEC  
 Approved by: CMB  
 File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
FS&E 4/20/12	

Corporate Engineering Certificate # 000387

CIVIL ENGINEER  
 4/20/12

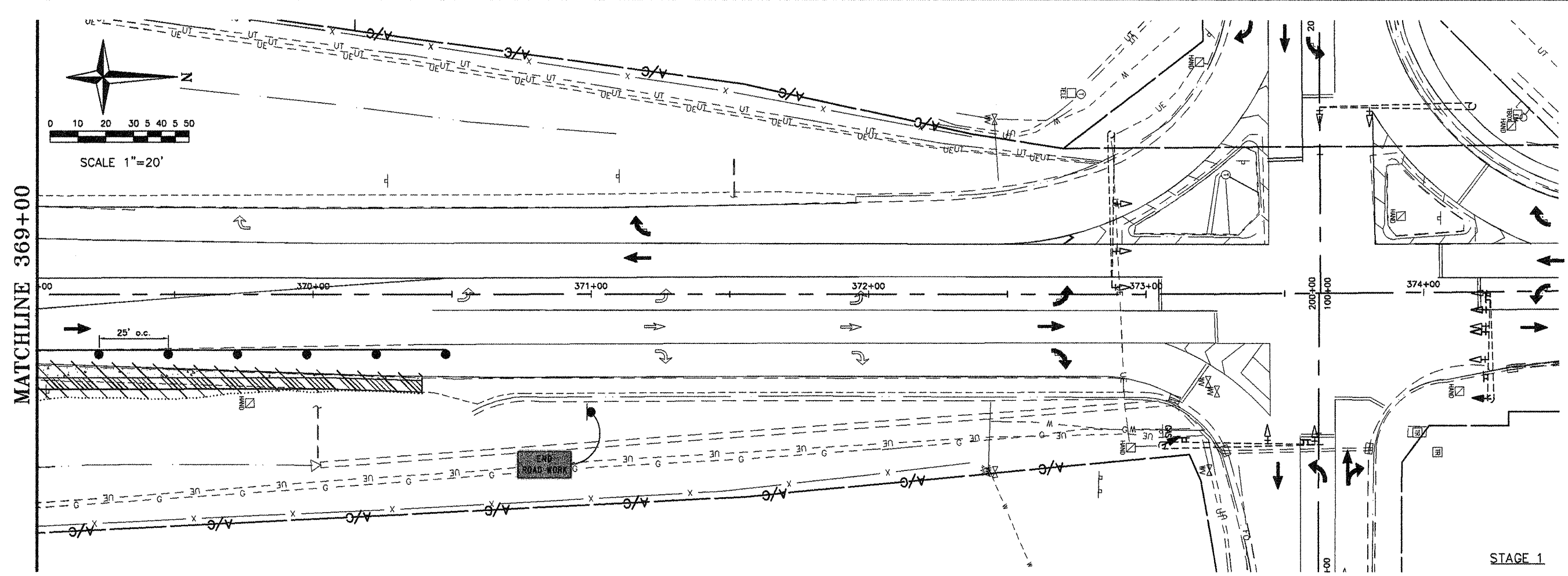


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**TRAFFIC CONTROL PLAN**  
 N. GREEN MOUNT ROAD & I-64  
 E.B. RAMP, W.B. RAMP &  
 REGENCY PARK/PIERCE BLVD  
 SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	



MATCHLINE 369+00

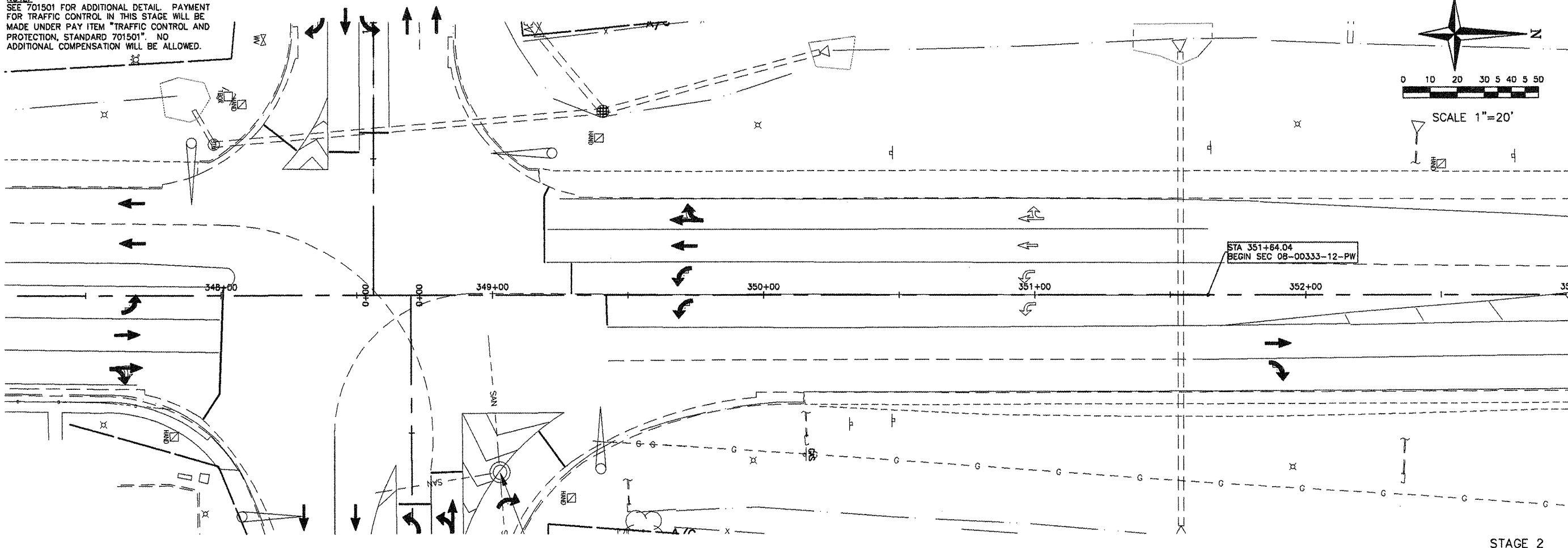
STAGE 1

TRAFFIC CONTROL / STAGING LEGEND

- WORK AREA
- TRAFFIC CONTROL BARREL OR DRUM
- TRAFFIC CONTROL SIGN
- OPEN LANE OF TRAFFIC
- FLAGGER
- ARROW BOARD
- PR PCC
- PR HMA SHOULDERS
- PR CONSTRUCTION LIMIT
- PR GUARDRAIL

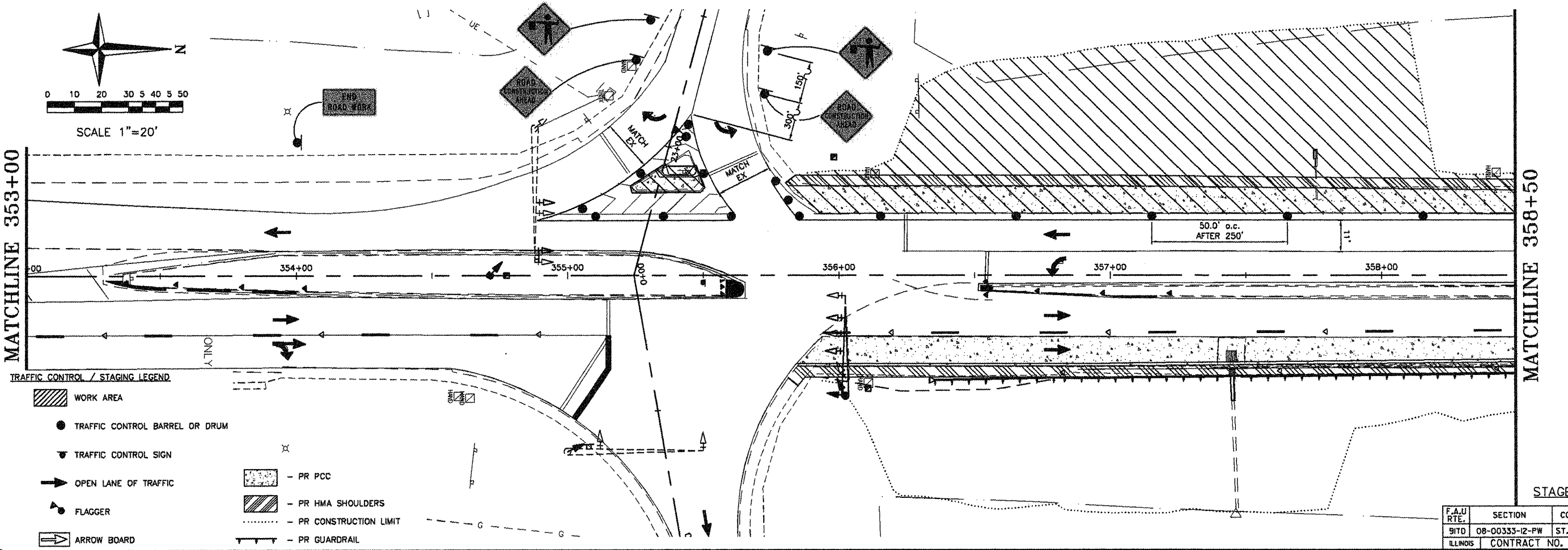
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NOTE:  
SEE 701501 FOR ADDITIONAL DETAIL. PAYMENT FOR TRAFFIC CONTROL IN THIS STAGE WILL BE MADE UNDER PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701501". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



MATCHLINE 353+00

STAGE 2



MATCHLINE 353+00

MATCHLINE 358+00

STAGE 2

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**36 of 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

DATE	ISSUE RECORD
PS&E 4/20/12	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
4/20/12



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Fax: 314-878-5876 E-Mail: cbb@cbbrtraffic.com

**TRAFFIC CONTROL PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

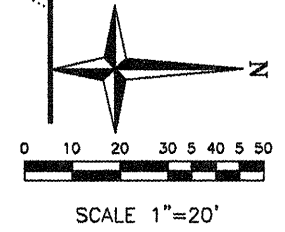
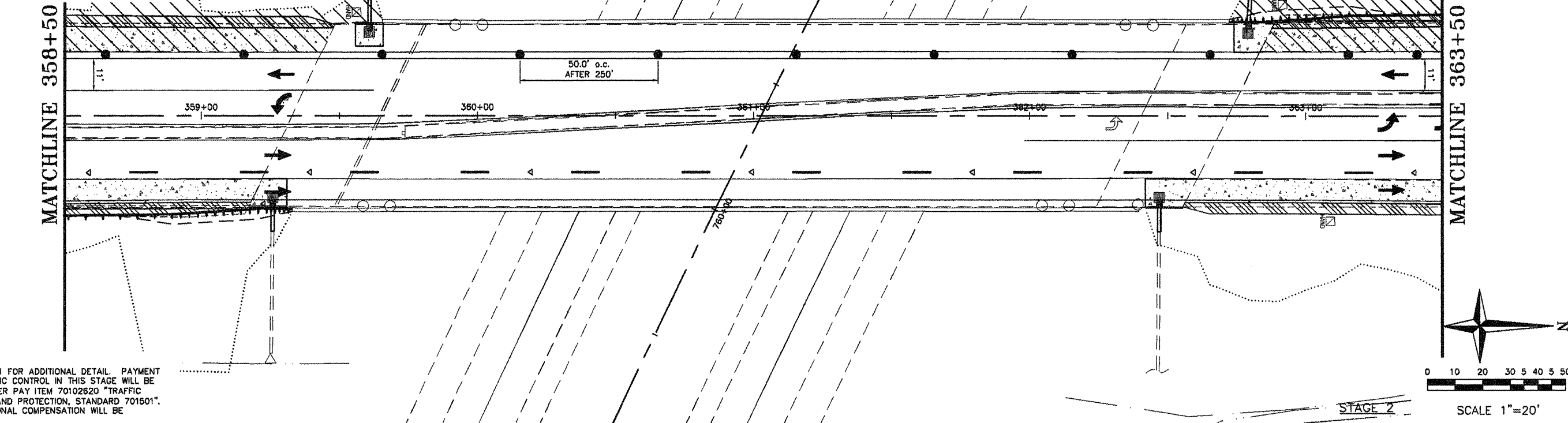
TRAFFIC CONTROL / STAGING LEGEND

- WORK AREA
- PR PCC
- PR HMA SHOULDERS
- PR CONSTRUCTION LIMIT
- TRAFFIC CONTROL BARREL OR DRUM
- TRAFFIC CONTROL SIGN
- OPEN LANE OF TRAFFIC
- FLAGGER
- ARROW BOARD
- PR GUARDRAIL

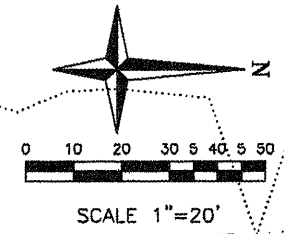
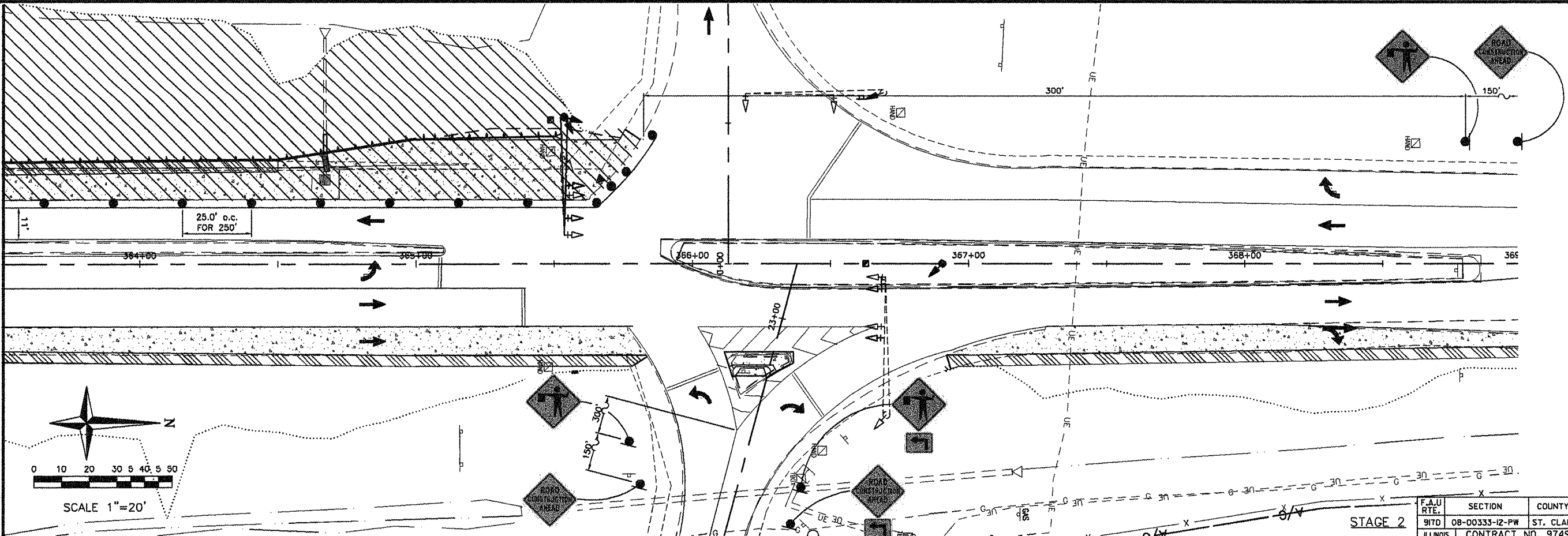
MATCHLINE 358+50

MATCHLINE 363+50

NOTE:  
SEE 701501 FOR ADDITIONAL DETAIL. PAYMENT FOR TRAFFIC CONTROL IN THIS STAGE WILL BE MADE UNDER PAY ITEM 70102620 "TRAFFIC CONTROL AND PROTECTION, STANDARD 701501". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



MATCHLINE 363+50



F.A.U. RTE.	SECTION	COUNTY
91TD	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**37 of 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD	
DATE	DESCRIPTION
PS&E 4/20/12	

Corporate Engineering Certificate # 000387

BRAD BRAMEIER  
CIVIL ENGINEER  
4/20/12

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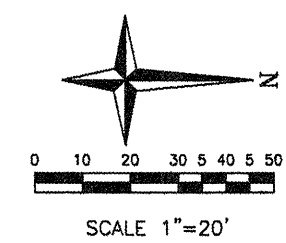
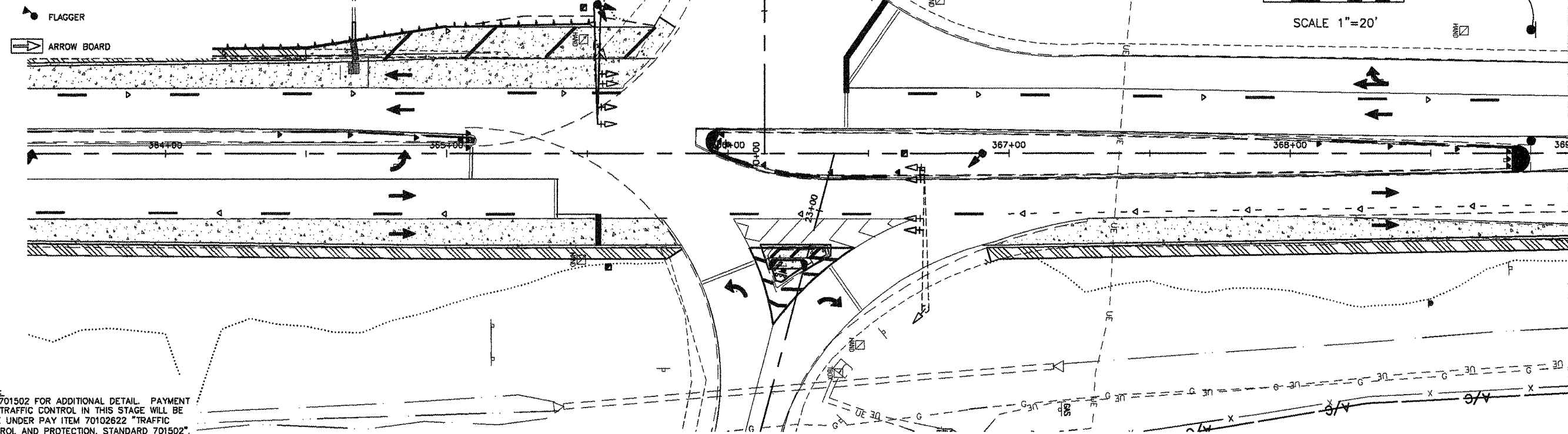
**TRAFFIC CONTROL PLAN**

N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

TRAFFIC CONTROL / STAGING LEGEND

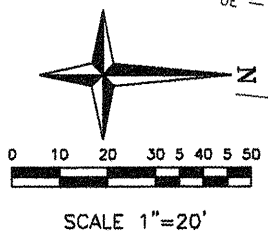
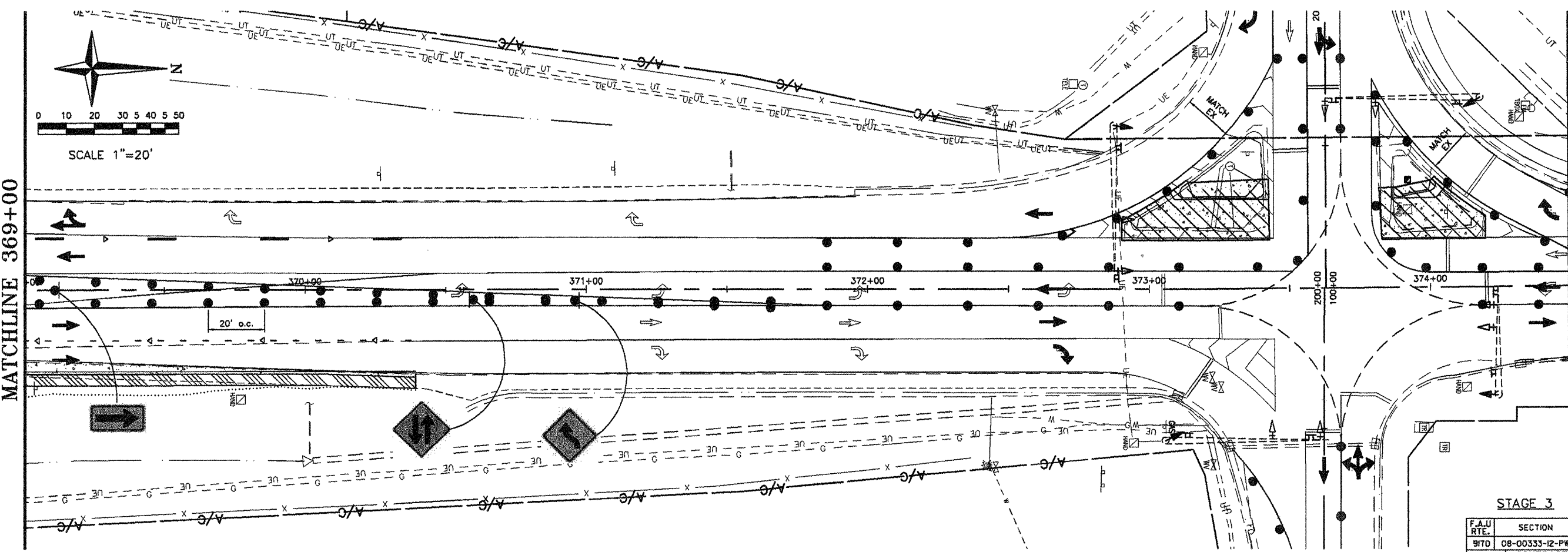
- WORK AREA
- PR PCC
- TRAFFIC CONTROL BARREL OR DRUM
- PR HMA SHOULDERS
- TRAFFIC CONTROL SIGN
- PR CONSTRUCTION LIMIT
- OPEN LANE OF TRAFFIC
- FLAGGER
- ARROW BOARD
- PR GUARDRAIL

NOTE:  
SEE 701502 FOR ADDITIONAL DETAIL. PAYMENT FOR TRAFFIC CONTROL IN THIS STAGE WILL BE MADE UNDER PAY ITEM 70102622 "TRAFFIC CONTROL AND PROTECTION, STANDARD 701502". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



MATCHLINE 369+00

STAGE 3



MATCHLINE 369+00

MATCHLINE 374+50

STAGE 3

F.A.U. RTE.	SECTION	COUNTY
91TD	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**38 of 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
PS&E 4/20/12	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER  
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**TRAFFIC CONTROL PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

Job No. 088-09  
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Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD

DATE FSRE 4/20/12

Corporate Engineering Certificate # 000381

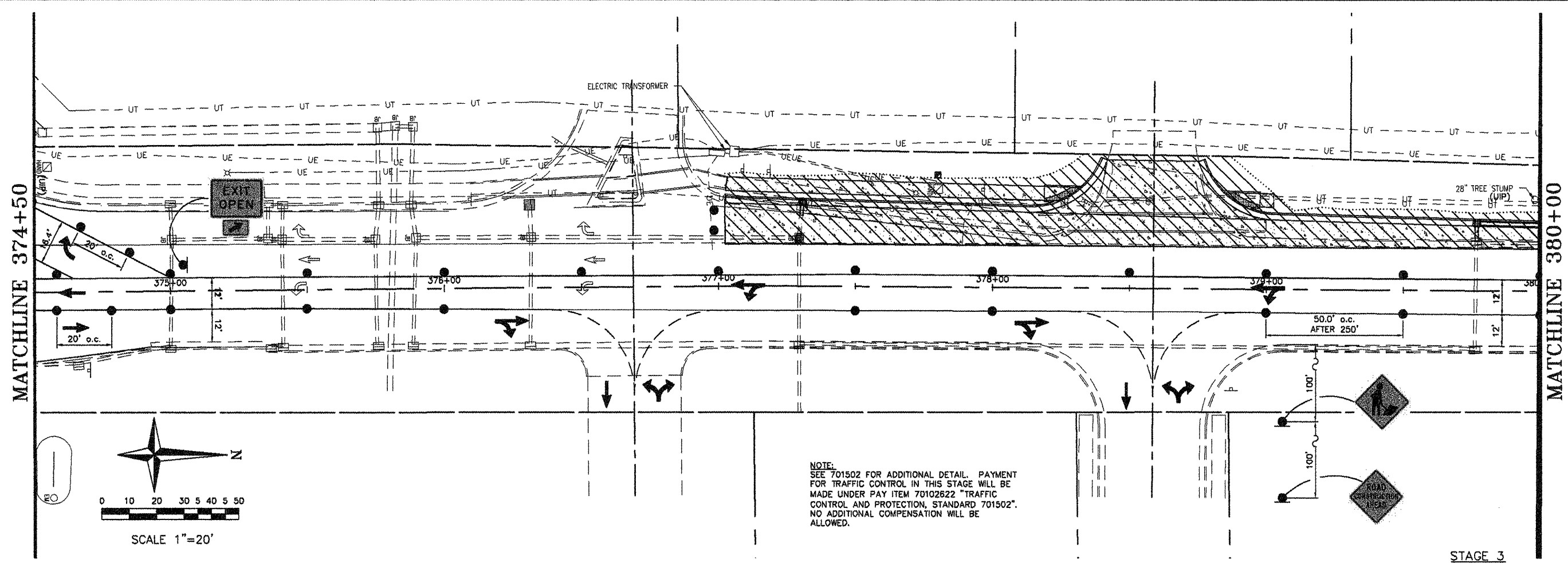
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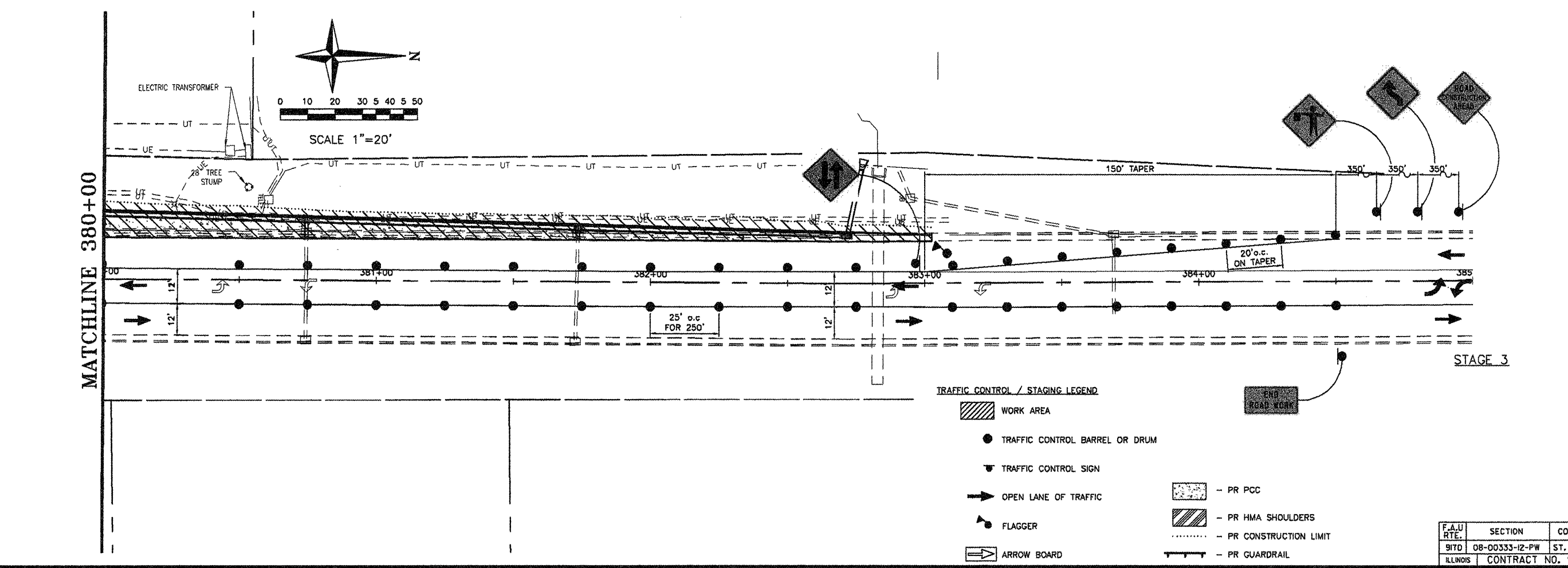
**TRAFFIC CONTROL PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
917D	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	



NOTE:  
SEE 701502 FOR ADDITIONAL DETAIL. PAYMENT FOR TRAFFIC CONTROL IN THIS STAGE WILL BE MADE UNDER PAY ITEM 70102622 "TRAFFIC CONTROL AND PROTECTION, STANDARD 701502". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STAGE 3



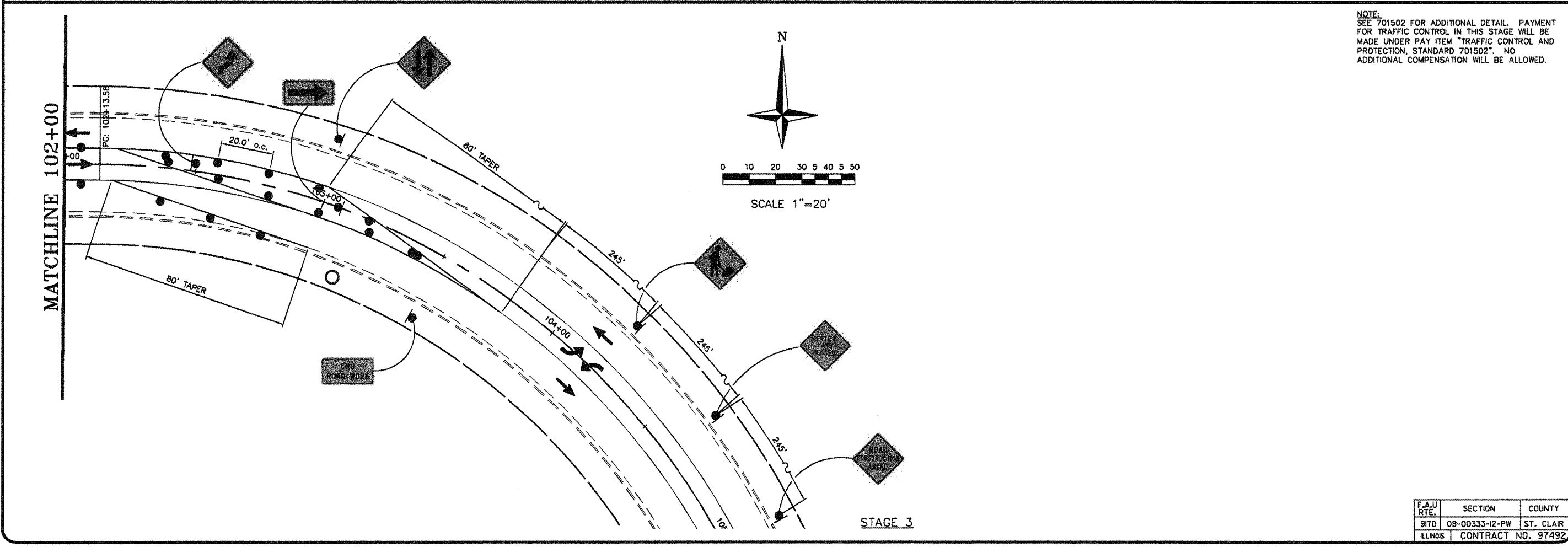
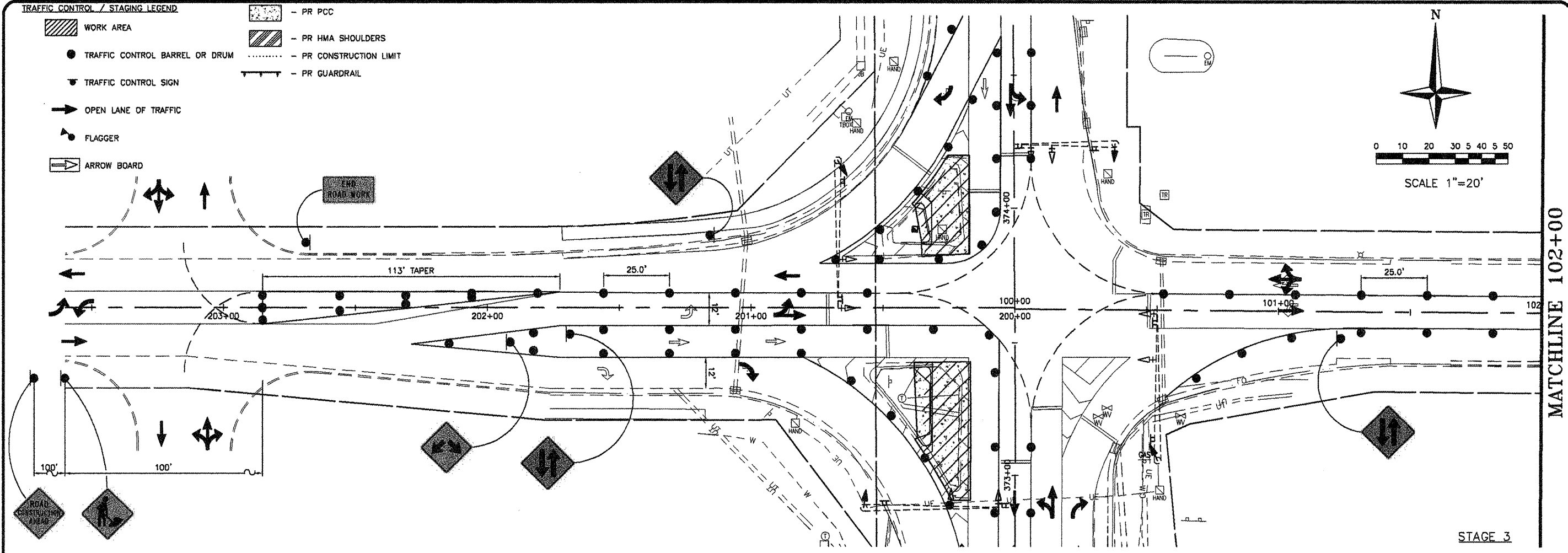
TRAFFIC CONTROL / STAGING LEGEND

- WORK AREA
- TRAFFIC CONTROL BARREL OR DRUM
- TRAFFIC CONTROL SIGN
- OPEN LANE OF TRAFFIC
- FLAGGER
- ARROW BOARD
- PR PCC
- PR HMA SHOULDERS
- PR CONSTRUCTION LIMIT
- PR GUARDRAIL

STAGE 3

TRAFFIC CONTROL / STAGING LEGEND

- WORK AREA
- TRAFFIC CONTROL BARREL OR DRUM
- TRAFFIC CONTROL SIGN
- OPEN LANE OF TRAFFIC
- FLAGGER
- ARROW BOARD
- PR PCC
- PR HMA SHOULDERS
- PR CONSTRUCTION LIMIT
- PR GUARDRAIL



NOTE:  
SEE 701502 FOR ADDITIONAL DETAIL. PAYMENT FOR TRAFFIC CONTROL IN THIS STAGE WILL BE MADE UNDER PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701502". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SHEET NO.  
**40 OF 55**

Job No. 088-09  
Scale: 1"=20'  
Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: Shiloh Plans

ISSUE RECORD
DATE
PS&E 4/20/12

Corporate Engineering Certificate # 000381

BRUCE C. BRAMMEYER  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL ENGINEER  
4/20/12

**CBB** Crawford, Bunte, Brammeyer  
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**TRAFFIC CONTROL PLAN**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
91TD	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	



**ELECTRICAL GENERAL NOTES:**

1. ALL VEHICLE SIGNAL HEADS SHALL BE POLYCARBONATE AND HAVE 12 INCH L.E.D. INDICATIONS. ALL MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SIEZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.

2. BACKPLATES SHALL BE ABS PLASTIC.

3. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLES. ALL MAST ARMS AND POLES SHALL BE GALVANIZED.

4. DEPTHS OF CONCRETE FOUNDATIONS FOR MAST ARM SUPPORTS (DETERMINED BY TABLE ON STANDARD 878001-08) ARE:

N.E. CORNER (I-64 E.B. ON-RAMP) 13.0 FT. (36" DIA.)  
S.W. CORNER (I-64 W.B. ON-RAMP) 13.0 FT. (36" DIA.)

5. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED. FIELD WIRES SHALL BE LANDED AT CONTROLLER OUTPUT TERMINALS USING ILSCO SLU-3S CONNECTORS OR EQUIVALENT.

6. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.

7. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER ARTICLE 873.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD DRAWING 886001-01. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.

8. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.

9. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(a)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.

10. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATION. AGENCIES KNOWN TO HAVE UNDERGROUND FACILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT ARE THE FOLLOWING: (MEMBER OF J.U.L.I.E. PHONE (800) 892-0123 ARE INDICATED BY \*(CALL ONE WEEK BEFORE YOU PLAN TO DIG).

- \*WATER - CITY OF O'FALLON
- \*TELEPHONE - AT&T
- \*GAS & ELECTRIC - AMEREN IP
- \*SANITARY SEWER - CASEYVILLE TOWNSHIP ADVANCED WASTEWATER TREATMENT SYSTEM
- \*CABLE T.V. - CHARTER COMMUNICATONS
- \*COMMUNICATIONS -

11. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.

12. A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS, THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEMS.

**DETECTOR LOOP REQUIREMENTS & CALCULATIONS  
NORTH GREEN MOUNT ROAD & ON/OFF RAMP EB I-64**

LOOP	PHASE	LOOP SIZE (FEET)	REQUIRED NO. OF TURNS	CALCULATED DISTANCE (microhenries) $\mu H$	CALCULATED RESISTANCE (ohms) $\Omega$
SB THRU 1	2	6' x 50'	3-6-3	814.8	2.25
SB THRU 2	2	6' x 50'	3-6-3	823.4	2.44
SB LT	5	6' x 50'	3-6-3	831.3	2.62
SB CCO 1	2	6' x 6'	6	335.8	2.27
SB CCO 2	2	6' x 6'	6	338.5	2.33
NB THRU	6	6' x 50'	3-6-3	830.2	2.60
NB RT	6	6' x 20'	3-6-3	384.4	1.79

**DETECTOR LOOP REQUIREMENTS & CALCULATIONS  
NORTH GREEN MOUNT ROAD & ON/OFF RAMP WB I-64**

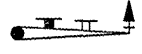





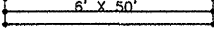
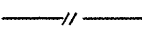





LOOP	PHASE	LOOP SIZE (FEET)	REQUIRED NO. OF TURNS	CALCULATED DISTANCE (microhenries) $\mu H$	CALCULATED RESISTANCE (ohms) $\Omega$
SB THRU	2	6' x 50'	3-6-3	828.2	2.55
SB RT	2	6' x 20'	3-6-3	378.0	1.65
SB CCO	2	6' x 6'	6	336.0	2.27
NB THRU 1	1	6' x 50'	3-6-3	816.8	2.29
NB THRU 2	1	6' x 50'	3-6-3	822.3	2.42
NB LT	1	6' x 50'	3-6-3	830.2	2.60
NB CCO	6	6' x 6'	6	339.3	2.35

**DETECTOR LOOP REQUIREMENTS & CALCULATIONS  
NORTH GREEN MOUNT ROAD & REGENCY PARK DR./PIERCE BLVD.**

LOOP	PHASE	LOOP SIZE (FEET)	REQUIRED NO. OF TURNS	CALCULATED DISTANCE (microhenries) $\mu H$	CALCULATED RESISTANCE (ohms) $\Omega$
SB THRU	2	6' x 50'	3-6-3	803.6	1.99
SB CCO 1	2	6' x 6'	6	341.1	2.39
SB CCO 2	2	6' x 6'	6	343.7	2.45

THE ABOVE VALUES ARE CALCULATION OF COMBINED LOOP & LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN  $\pm 20\%$  OF THESE VALUES.

**TRAFFIC SIGNAL LEGEND**

-  PROPOSED TRAFFIC SIGNAL MAST ARM W/STREET NAME SIGN & TRAFFIC SIGNAL SIGN
-  PROPOSED SIGNAL HEAD
-  PROPOSED SIGNAL HEAD W/BACKPLATE
-  PROPOSED RELOCATED SIGNAL HEAD
-  PROPOSED HANDHOLE
-  PROPOSED DOUBLE HANDHOLE
-  PROPOSED DETECTOR LOOP
-  PROPOSED CONDUIT: 'T' TRENCH, 'P' PUSHED, SIZE SPECIFIED
-  G.S.C. GALVANIZED STEEL CONDUIT
-  P.V.C.C. POLYVINYL CHLORIDE CONDUIT
-  STREET NAME SIGN ON MAST ARM
-  TRAFFIC SIGN ON MAST ARM
-  STREET NAME OR TRAFFIC SIGN

**STANDARDS**

- 000001
- 701101
- 701701
- 720001
- 720016
- 780001
- 814001
- 857001
- 873001
- 877001
- 878001
- 880006
- 886001
- 886006

SHEET NO.

**41** OF **55**

Job No. 066-09  
Scale: N/A  
Drawn by: AJT  
Design by: EF  
Approved by: RAS  
File Name: Shiloh Plans

ISSUE RECORD  
4/20/12 PS&E SUBMITTAL

Corporate Engineering Certificate # 000381  
Richard A. Schmidt  
CIVIL ENGINEER  
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**CBB** Crawford, Bunte, Brammeier  
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**TRAFFIC SIGNAL PLANS  
GENERAL NOTES**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

**SCHEDULE OF QUANTITIES**  
GREEN MOUNT ROAD & EB I-64 RAMPS

ITEM DESCRIPTION	UNIT	EB Ramps
TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LUMP SUM	0.25
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	64
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	244
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	101
HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2198
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	376
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2320
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR., NO. 6 1C	FOOT	335
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	2279
RELOCATE EXISTING SIGNAL HEAD	EACH	4
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1179
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1

**SCHEDULE OF QUANTITIES**  
GREEN MOUNT ROAD & WB I-64 RAMPS

ITEM DESCRIPTION	UNIT	WB Ramps
TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LUMP SUM	0.25
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	42
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	28
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	344
HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2130
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	318
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2007
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR., NO. 6 1C	FOOT	311
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	2456
RELOCATE EXISTING SIGNAL HEAD	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1

**SCHEDULE OF QUANTITIES**  
GREEN MOUNT ROAD & REGENCY PARK DR./PIERCE BLVD.


ITEM DESCRIPTION	UNIT	REGENCY/PARK
TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LUMP SUM	0.25
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	40
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	325
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	534
HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1747
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1250
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1141
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR., NO. 6 1C	FOOT	173
ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 3 PAIR	FOOT	984
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	3
DETECTOR LOOP, TYPE I	FOOT	738
RELOCATE EXISTING SIGNAL HEAD	EACH	6
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

SHEET NO.  
**42 of 55**

Job No. 066-09  
Scale: N/A  
Drawn by: AJT  
Design by: EF  
Approved by: RAS  
File Name: Shiloh Plans

ISSUE RECORD  
4/20/12 PS&E SUBMITTAL

Corporate Engineering Certificate # 000381  
  
 Richard A. Schmidt  
 CIVIL ENGINEER  
 4/20/12

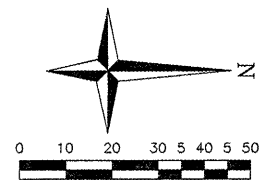
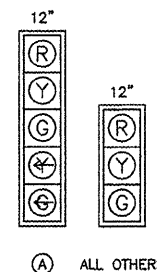
**CBB** Crawford Bunte, Brammeier  
 Traffic and Transportation Engineers  
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**TRAFFIC SIGNAL PLANS**  
**QUANTITIES**  
 N. GREEN MOUNT ROAD & I-64  
 E.B. RAMP, W.B. RAMP &  
 REGENCY PARK/PIERCE BLVD  
 SHILOH, ILLINOIS

**CONTROLLER PHASING**

PROPOSED								
PHASE Ø	1	2	3	4	5	6	7	8
MOVEMENT	SB LT	NB		EB		SB		
CONCURRENT MOVEMENT PERMITTED	6	6	NOT USED	NONE	NOT USED	1 or 2	NOT USED	NOT USED

**TRAFFIC SIGNAL FACES**

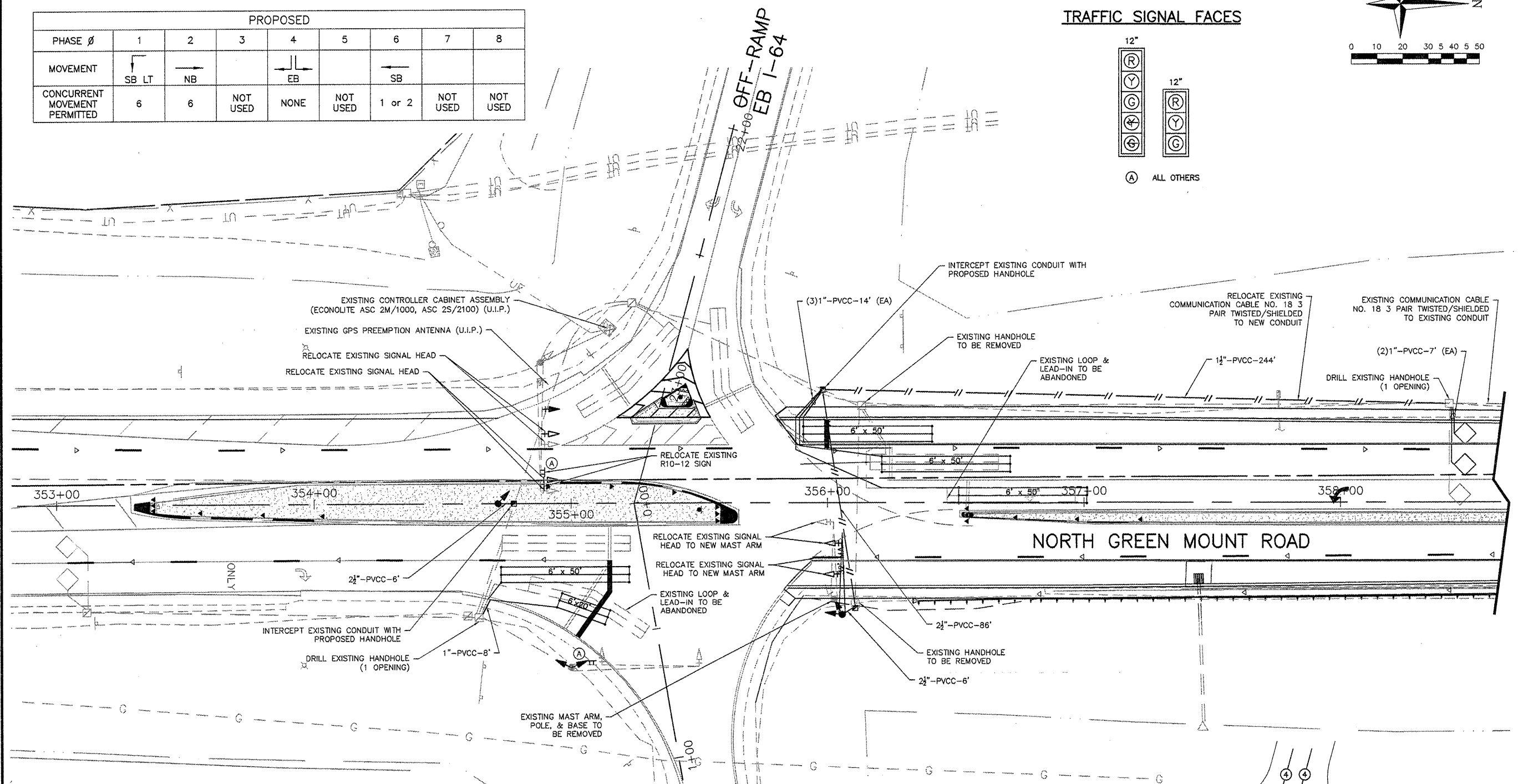


SHEET NO.  
**43 OF 55**

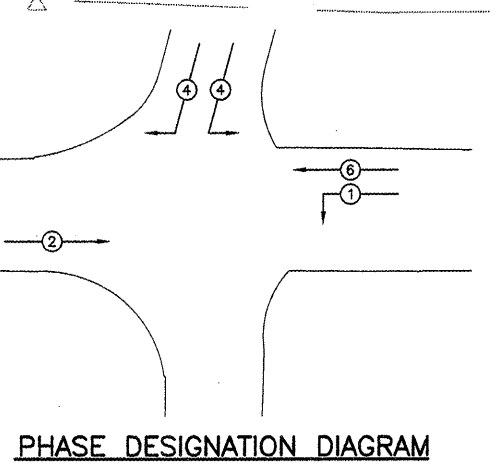
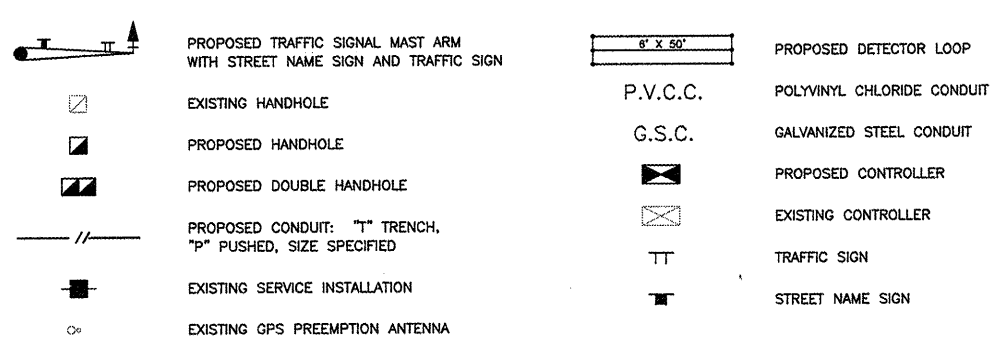
Job No. 066-09  
Scale:  
Drawn by: AJT  
Design by: EF  
Approved by: RAS  
File Name: Shiloh Plans

ISSUE RECORD

4/20/12	PS&E SUBMITTAL
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**TRAFFIC SIGNAL LEGEND**



Corporate Engineering Certificate # 000381

**Richard A. Schmitt**  
CIVIL ENGINEER  
4/20/12

ILLINOIS PROFESSIONAL ENGINEERING BOARD  
REGISTERED PROFESSIONAL ENGINEER  
RICHARD A. SCHMITT  
NUMBER 028-083025

**CBB** Crawford, Bunte, Brammeier  
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**TRAFFIC SIGNAL PLAN**

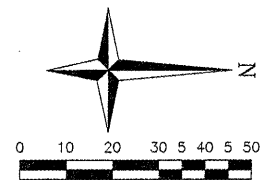
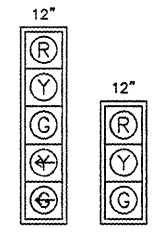
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SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

**CONTROLLER PHASING**

PROPOSED								
PHASE Ø	1	2	3	4	5	6	7	8
MOVEMENT	NB LT	SB		WB		NB		
CONCURRENT MOVEMENT PERMITTED	6	6	NOT USED	NONE	NOT USED	1 or 2	NOT USED	NOT USED

**TRAFFIC SIGNAL FACES**



SHEET NO.  
**44 OF 55**

Job No. 066-09  
Scale:  
Drawn by: AJT  
Design by: EF  
Approved by: RAS  
File Name: Shiloh Plans

ISSUE RECORD

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Corporate Engineering Certificate # 000381

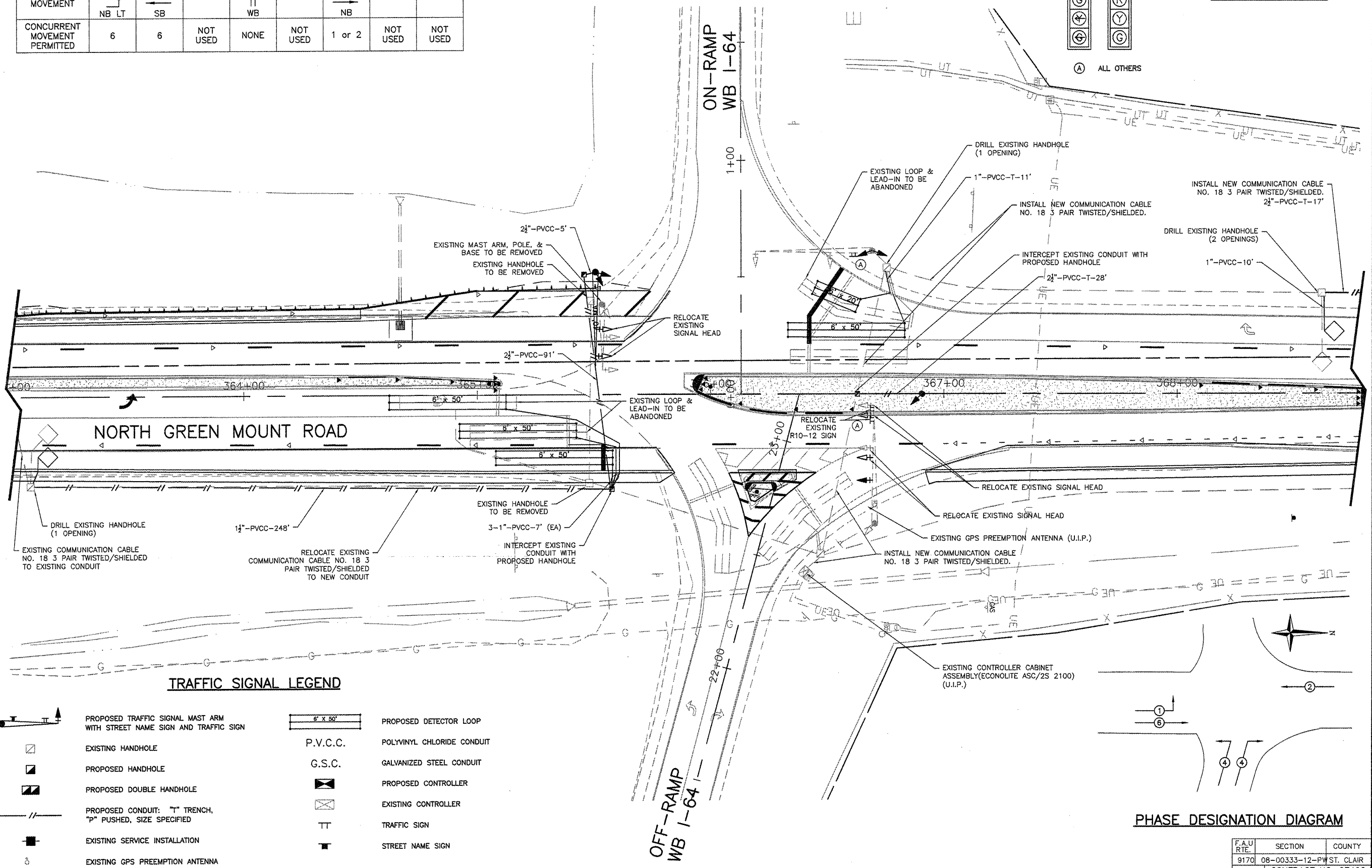
*Richard A. Schmitt*  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL ENGINEER  
4/20/12

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**TRAFFIC SIGNAL PLANS**

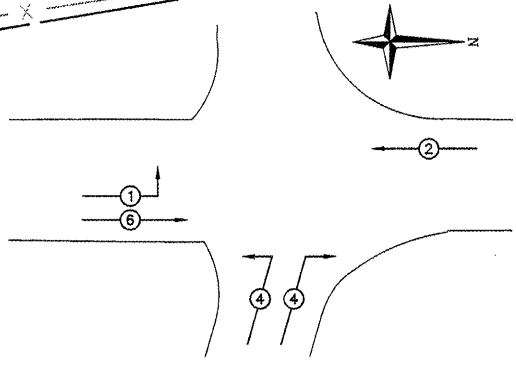
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E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



**TRAFFIC SIGNAL LEGEND**

- |  |   |          |                            |
|--|---|----------|----------------------------|
|  | PROPOSED TRAFFIC SIGNAL MAST ARM WITH STREET NAME SIGN AND TRAFFIC SIGN |          | PROPOSED DETECTOR LOOP     |
|  | EXISTING HANDHOLE   | P.V.C.C. | POLYVINYL CHLORIDE CONDUIT |
|  | PROPOSED HANDHOLE   | G.S.C.   | GALVANIZED STEEL CONDUIT   |
|  | PROPOSED DOUBLE HANDHOLE  |          | PROPOSED CONTROLLER        |
|  | PROPOSED CONDUIT: "T" TRENCH, "P" PUSHED, SIZE SPECIFIED                |          | EXISTING CONTROLLER        |
|  | EXISTING SERVICE INSTALLATION   |          | TRAFFIC SIGN               |
|  | EXISTING GPS PREEMPTION ANTENNA   |          | STREET NAME SIGN           |

**PHASE DESIGNATION DIAGRAM**

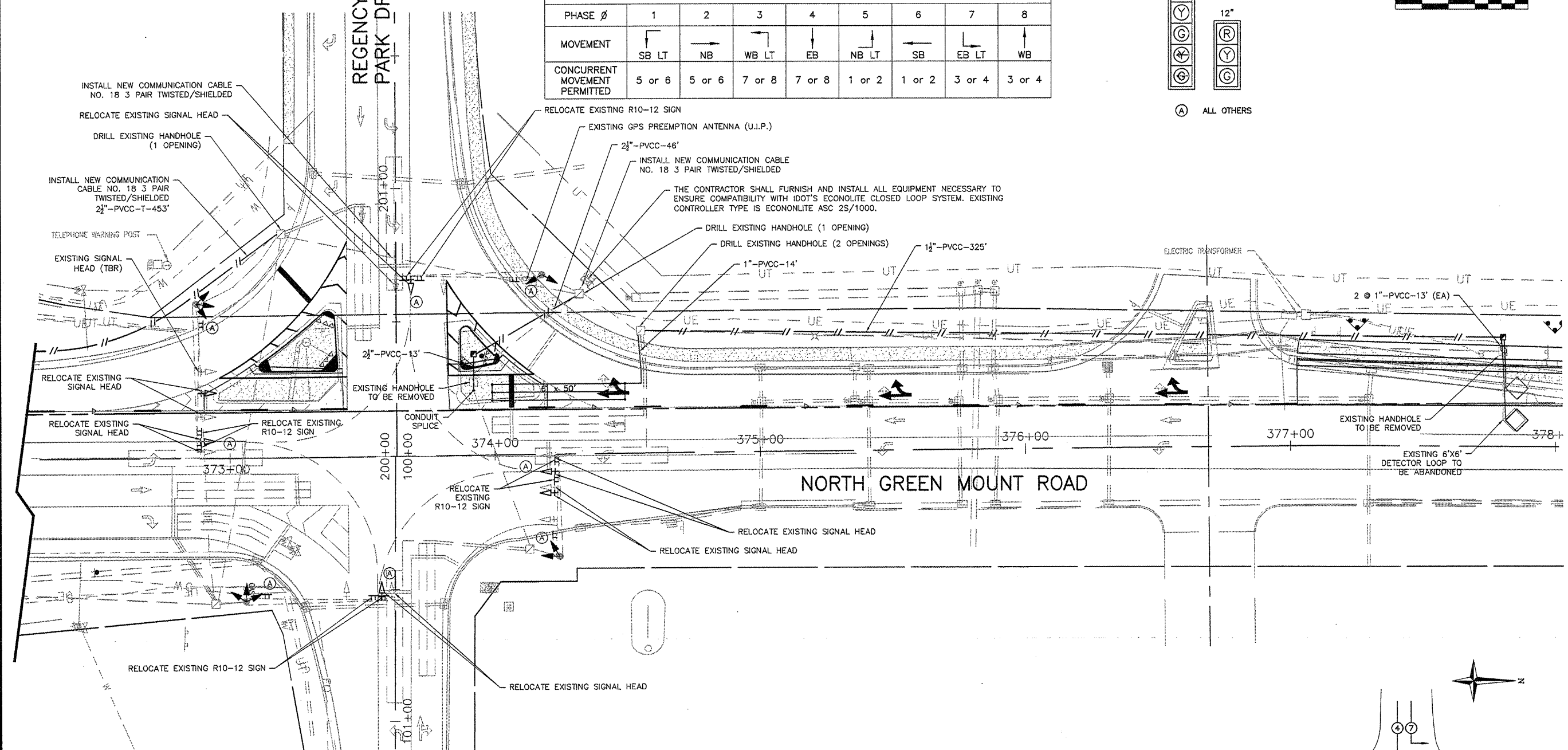
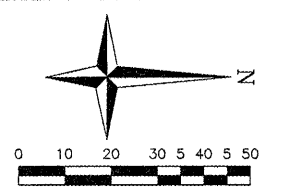
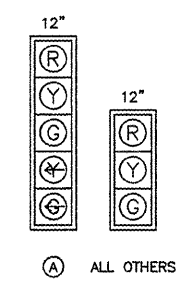


F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

**CONTROLLER PHASING**

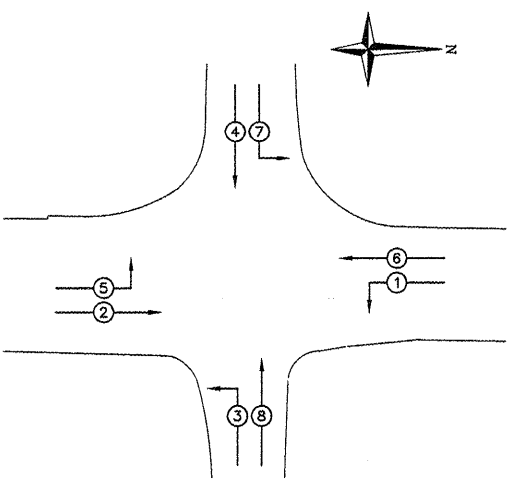
PROPOSED								
PHASE $\phi$	1	2	3	4	5	6	7	8
MOVEMENT	SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
CONCURRENT MOVEMENT PERMITTED	5 or 6	5 or 6	7 or 8	7 or 8	1 or 2	1 or 2	3 or 4	3 or 4

**TRAFFIC SIGNAL FACES**



**TRAFFIC SIGNAL LEGEND**

- PROPOSED TRAFFIC SIGNAL MAST ARM WITH STREET NAME SIGN AND TRAFFIC SIGN
- EXISTING HANDHOLE
- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED CONDUIT: "T" TRENCH, "P" PUSHED, SIZE SPECIFIED
- EXISTING SERVICE INSTALLATION
- EXISTING GPS PREEMPTION ANTENNA
- P.V.C.C.
- G.S.C.
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- TRAFFIC SIGN
- STREET NAME SIGN
- PROPOSED DETECTOR LOOP
- POLYVINYL CHLORIDE CONDUIT
- GALVANIZED STEEL CONDUIT



**PHASE DESIGNATION DIAGRAM**

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW ST. CLAIR	ILLINOIS
CONTRACT NO. 97492		

Corporate Engineering Certificate # 000981  
Richard A. Schmitt  
REGISTERED PROFESSIONAL ENGINEER  
ILLINOIS  
4/20/12

**CBB** Crawford, Bunte, Brammeier  
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St. Louis, Missouri/Glen Carbon, Illinois  
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Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**TRAFFIC SIGNAL PLANS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS

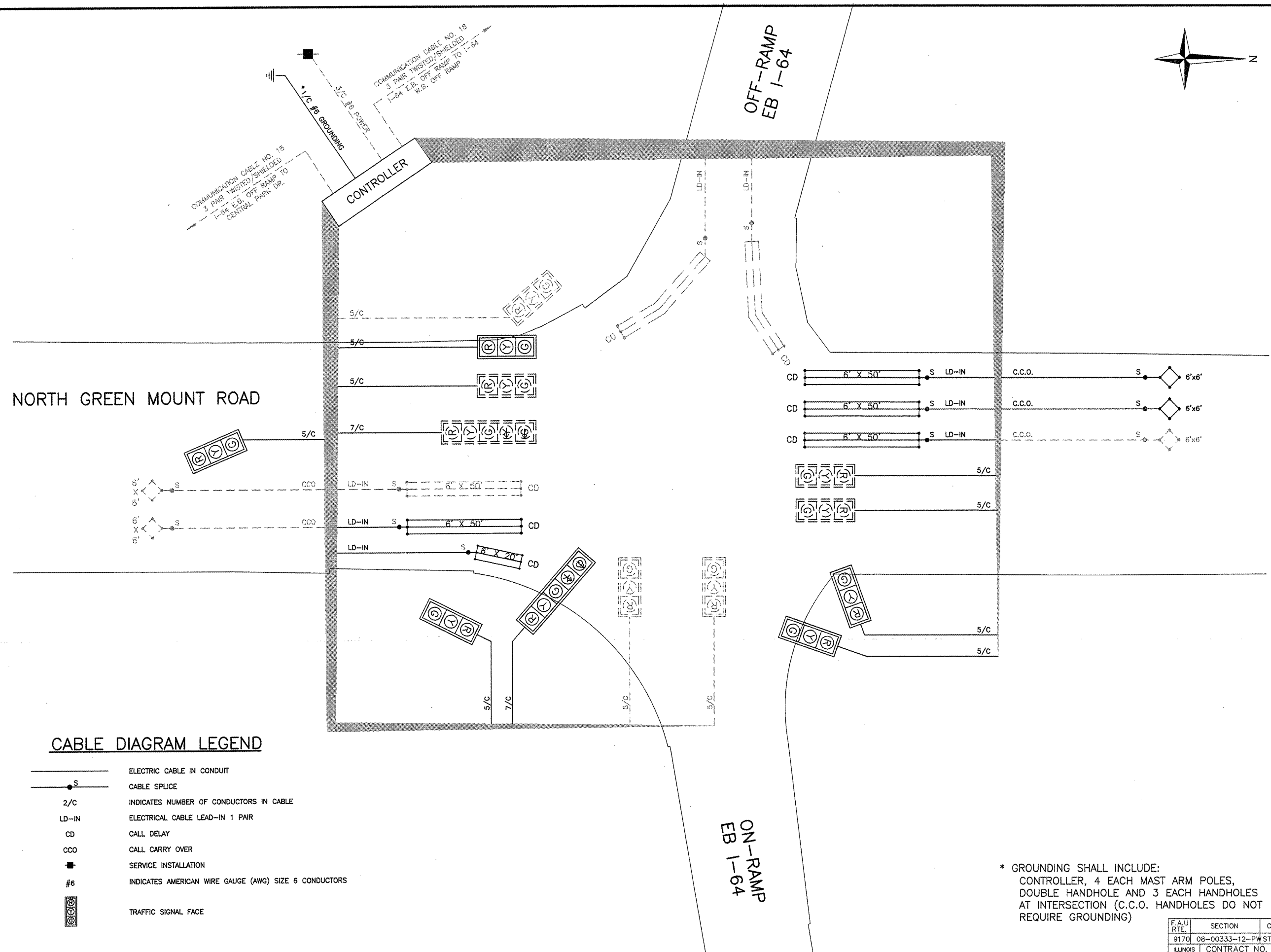
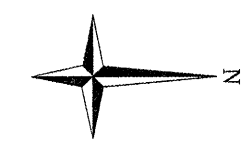
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Design by: EF  
Approved by: RAS  
File Name: Shiloh Plans

ISSUE RECORD  
4/20/12 PS&E SUBMITTAL

Corporate Engineering Certificate # 000381  
RICHARD A. SCHUBERT  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL ENGINEER  
4/20/12

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**TRAFFIC SIGNAL PLAN  
CABLE DIAGRAM**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



**CABLE DIAGRAM LEGEND**


- S — ELECTRIC CABLE IN CONDUIT
- CABLE SPLICE
- 2/c INDICATES NUMBER OF CONDUCTORS IN CABLE
- LD-IN ELECTRICAL CABLE LEAD-IN 1 PAIR
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS
- Ⓢ TRAFFIC SIGNAL FACE

\* GROUNDING SHALL INCLUDE:  
CONTROLLER, 4 EACH MAST ARM POLES,  
DOUBLE HANDHOLE AND 3 EACH HANDHOLES  
AT INTERSECTION (C.C.O. HANDHOLES DO NOT  
REQUIRE GROUNDING)

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

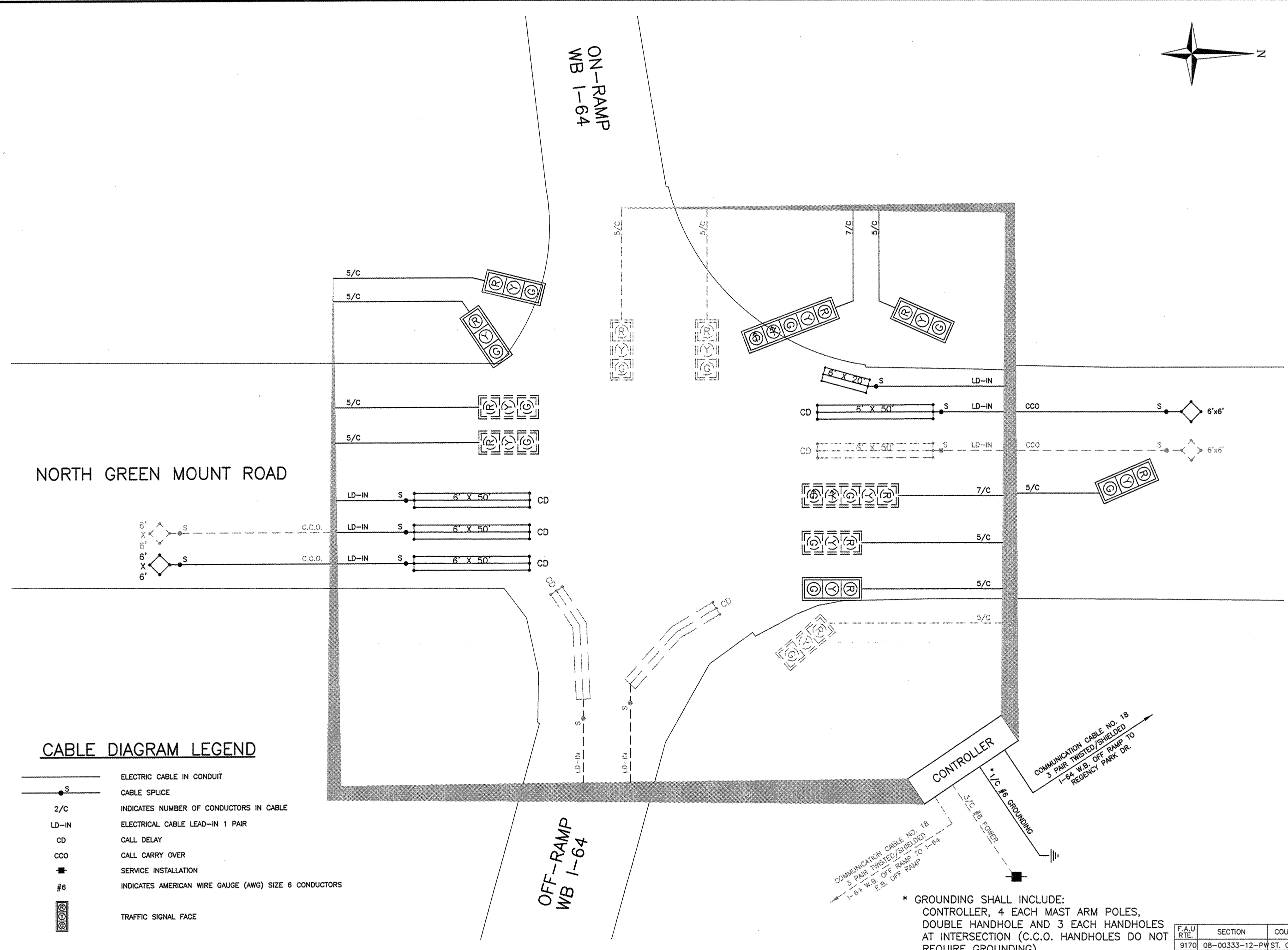
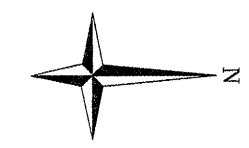
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Approved by: RAS  
File Name: Shiloh Plans

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DATE	DESCRIPTION
4/20/12	PER E SUBMITTAL

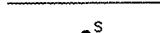
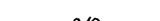
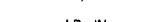
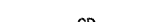
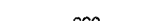




Corporate Engineering Certificate # 000381  
  
 Richard A. Schmidt  
 CIVIL ENGINEER  
 4/20/12

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**TRAFFIC SIGNAL PLAN  
 CABLE DIAGRAM**  
 N. GREEN MOUNT ROAD & I-64  
 E.B. RAMP, W.B. RAMP &  
 REGENCY PARK/PIERCE BLVD  
 SHILOH, ILLINOIS



**CABLE DIAGRAM LEGEND**

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-  CABLE SPLICE
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-  SERVICE INSTALLATION
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F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

ISSUE RECORD	
4/20/12	PS&E SUBMITTAL

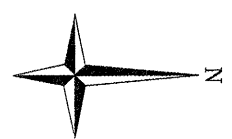
Corporate Engineering Certificate # 000381

*Richard A. Schmitt*  
 CIVIL ENGINEER  
 4/20/12

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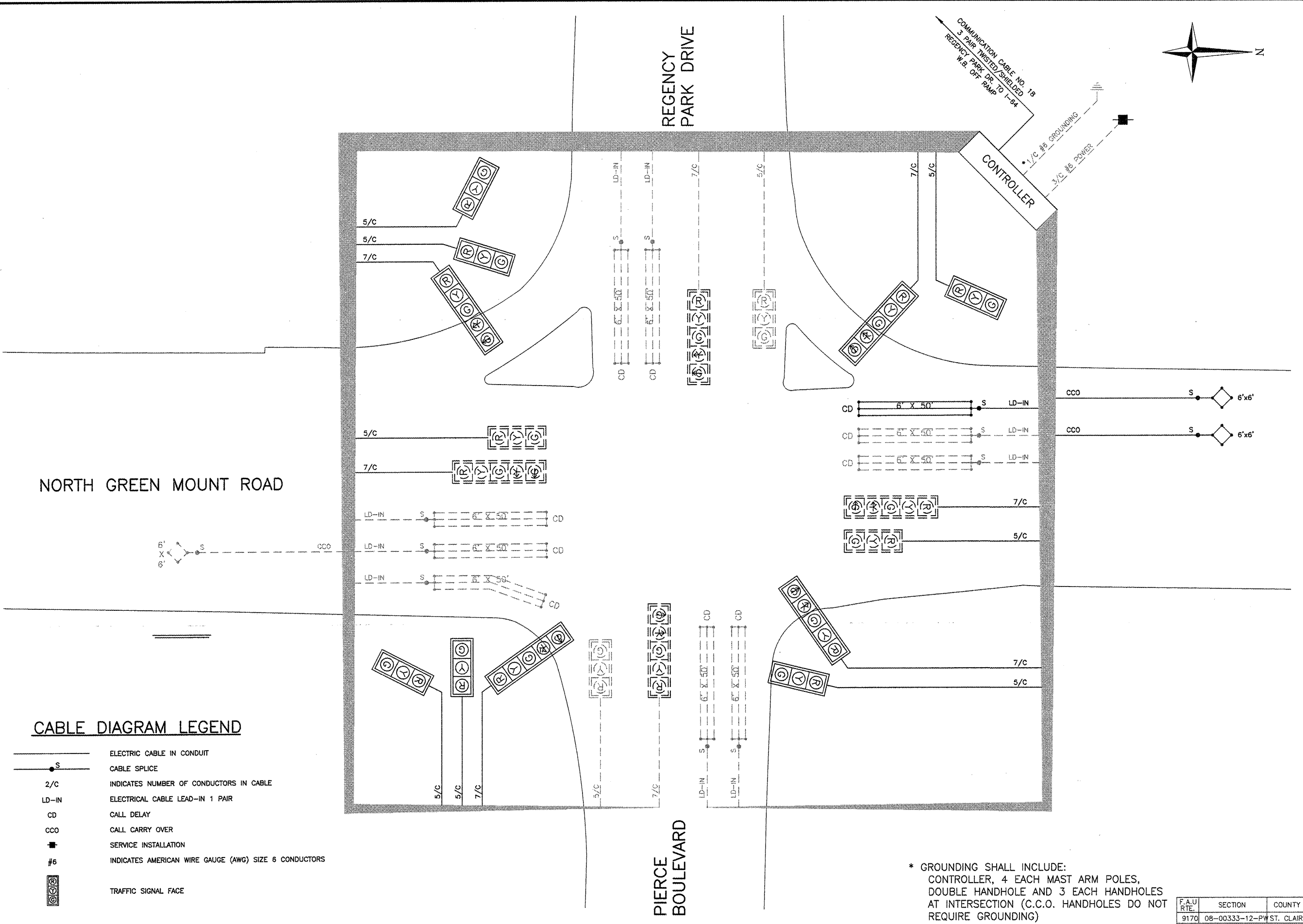
**TRAFFIC SIGNAL PLAN  
 CABLE DIAGRAM**  
 N. GREEN MOUNT ROAD & I-64  
 E.B. RAMP, W.B. RAMP &  
 REGENCY PARK/PIERCE BLVD  
 SHILOH, ILLINOIS



COMMUNICATION CABLE NO. 18  
 3 PAIR TWISTED/SHIELDED  
 REGENCY PARK DR TO I-64  
 W.B. OFF RAMP

CONTROLLER

• 1/2" #6 GROUNDING  
 • 3/4" #6 POWER



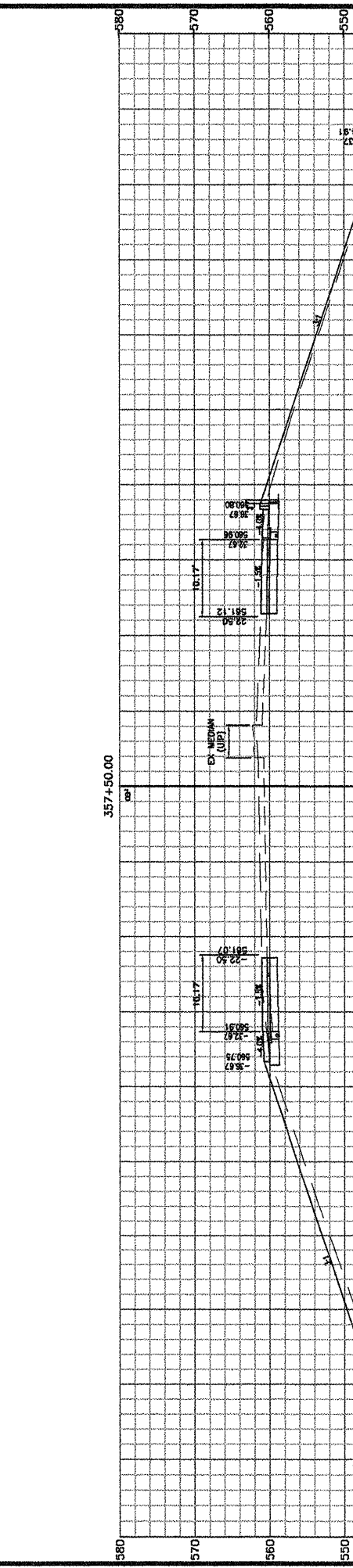
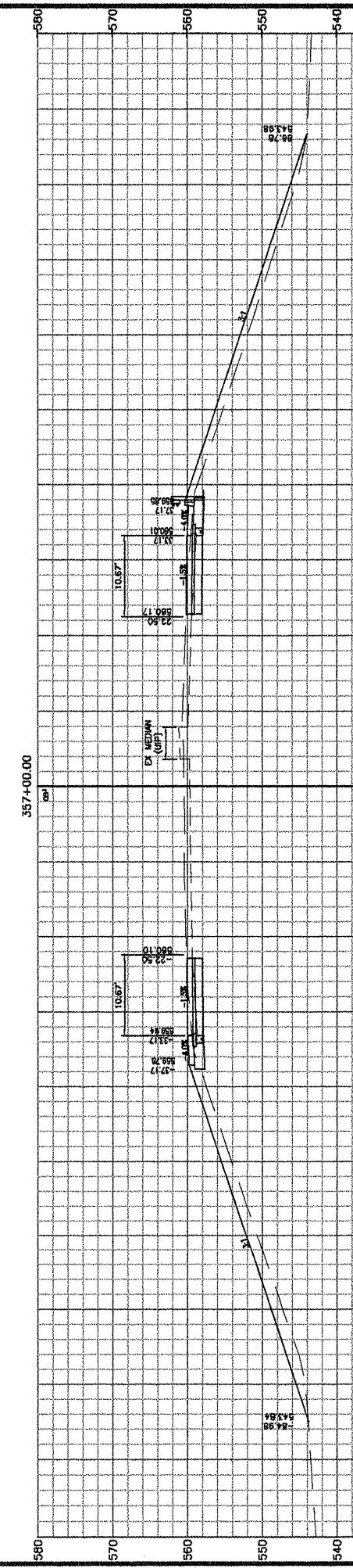
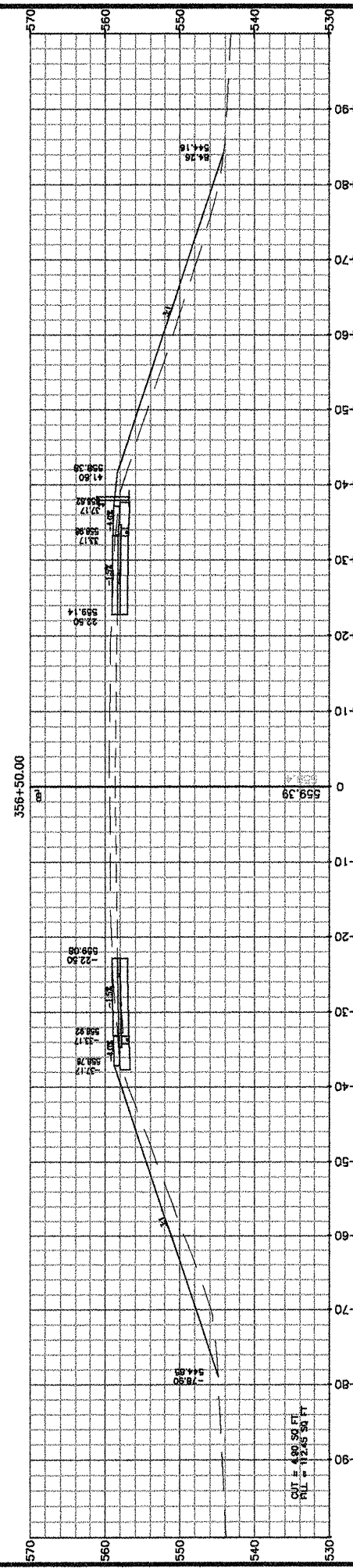
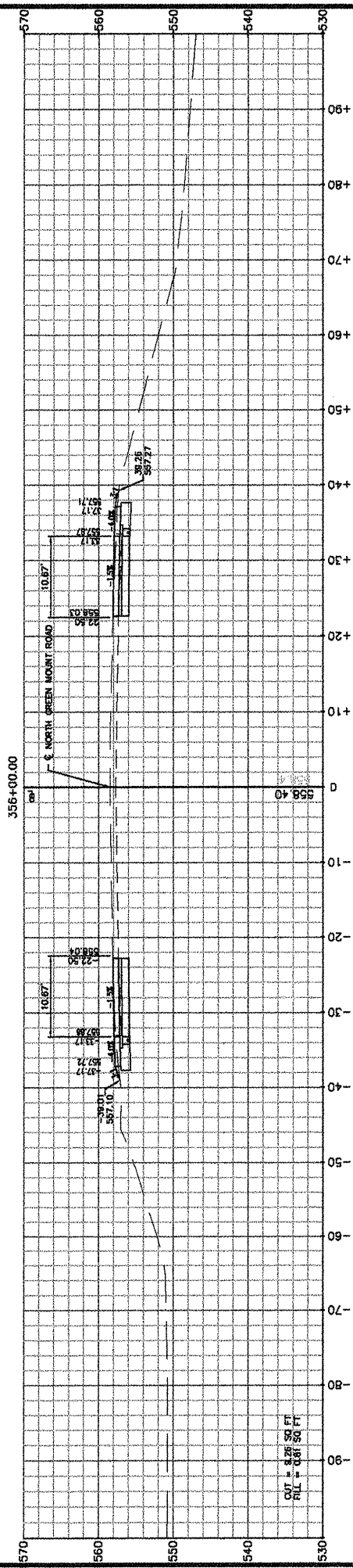
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- CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
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F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW ST. CLAIR	ILLINOIS
CONTRACT NO. 97492		





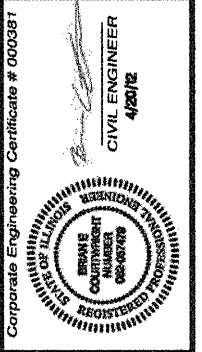
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9170	DB-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Job No. 066-09  
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Drawn by: BEC  
Design by: BEC  
Approved by: CMB  
File Name: 8484h Plans

ISSUE RECORD

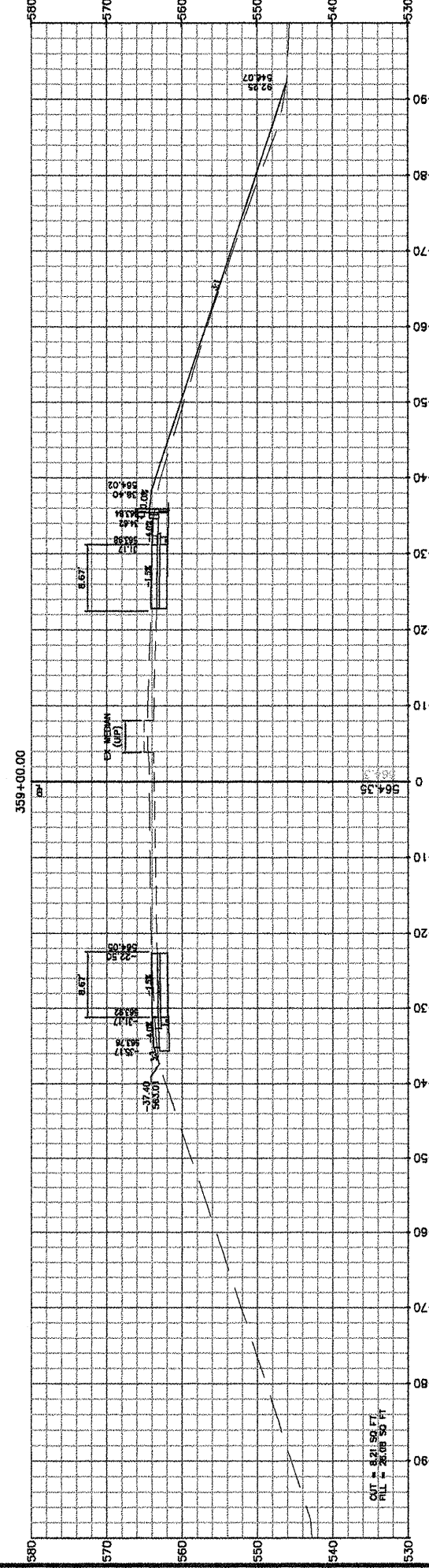
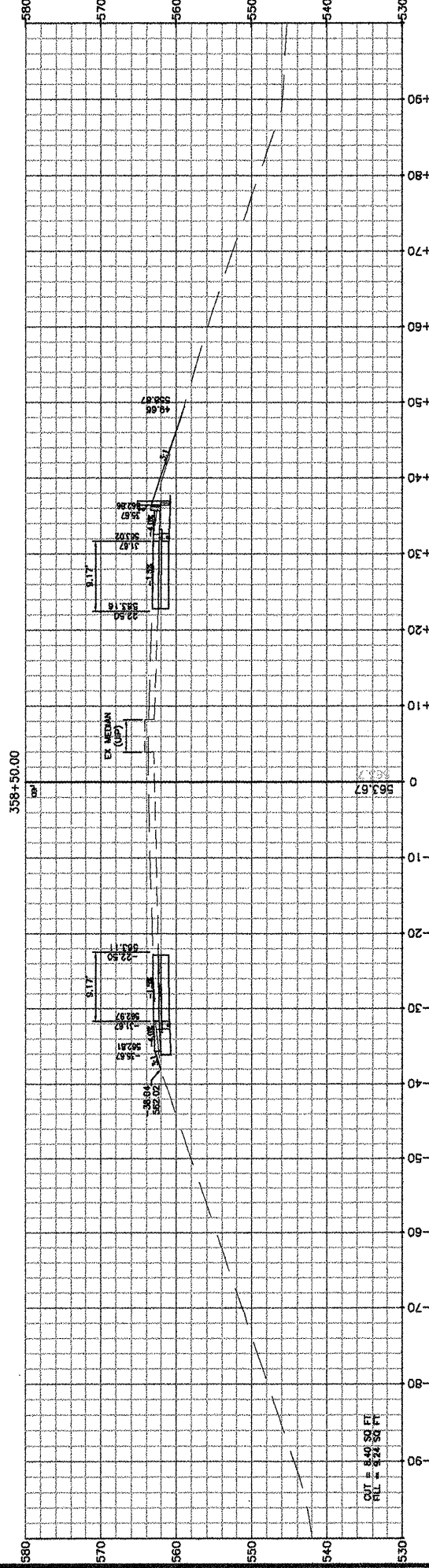
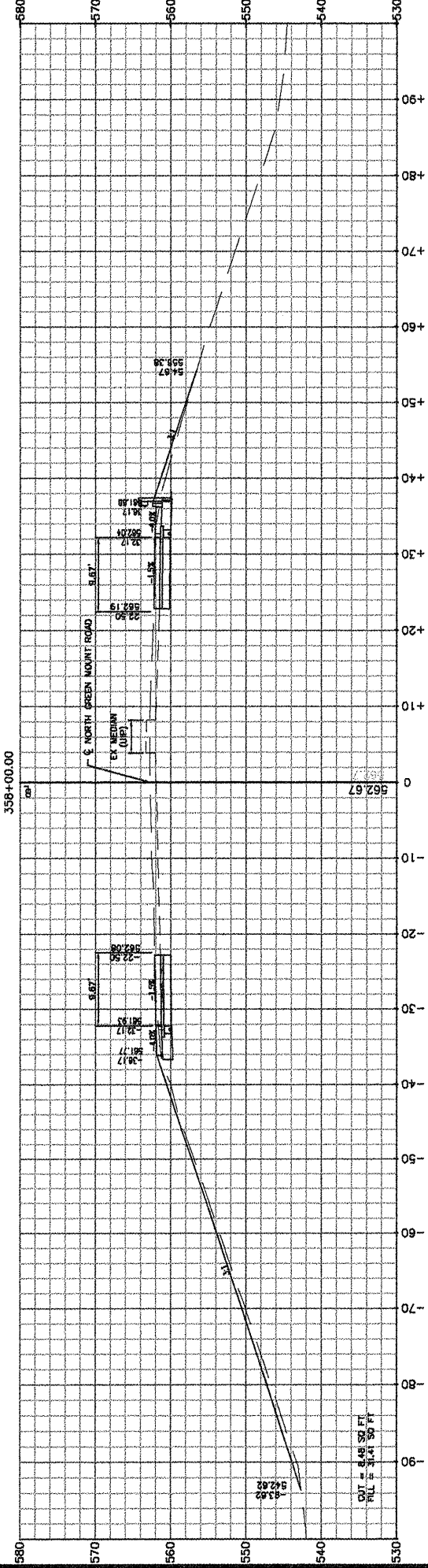
DATE	ISSUE
4/20/12	PS&E

Corporate Engineering Certificate # 000381



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**CROSS SECTIONS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



F.A.U. RTE.	SECTION	COUNTY
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ILLINOIS	CONTRACT NO. 97492	

**CROSS SECTIONS**

N. GREEN MOUNT ROAD & I-64  
 E.B. RAMP, W.B. RAMP &  
 REGENCY PARK/PIERCE BLVD  
 SHILOH, ILLINOIS

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CIVIL ENGINEER  
 4/2012

Corporate Engineering Certificate # 000381

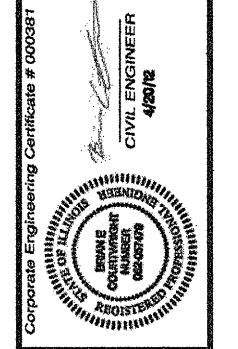
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DATE	DESCRIPTION
FS&E 4/20/12	

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 Scale: 1"=10'  
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 Design by: BEC  
 Approved by: CMB  
 File Name: Shiloh Plans

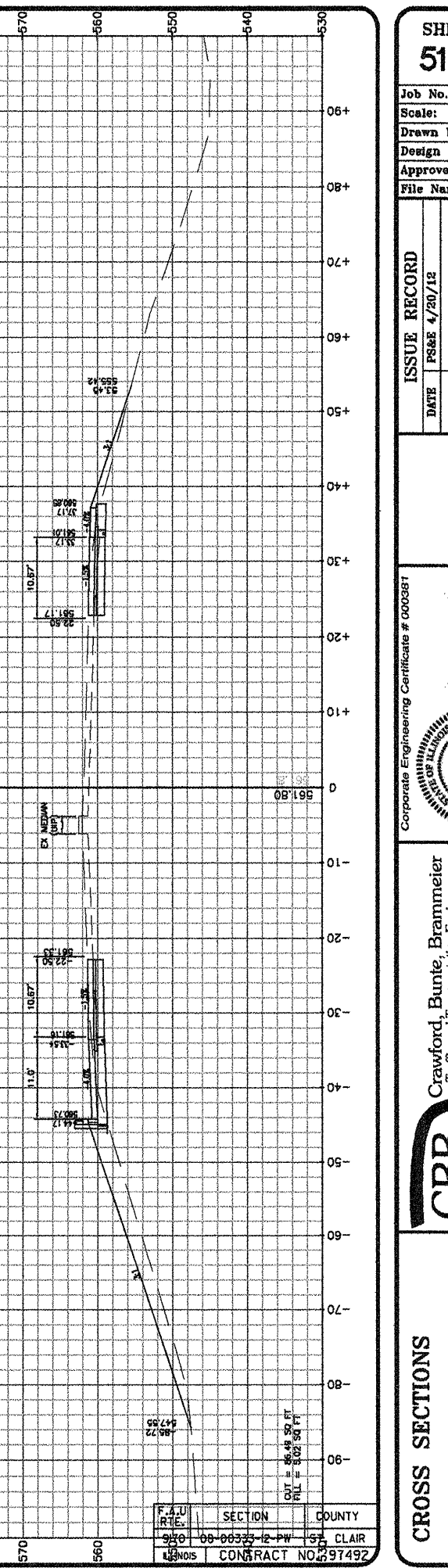
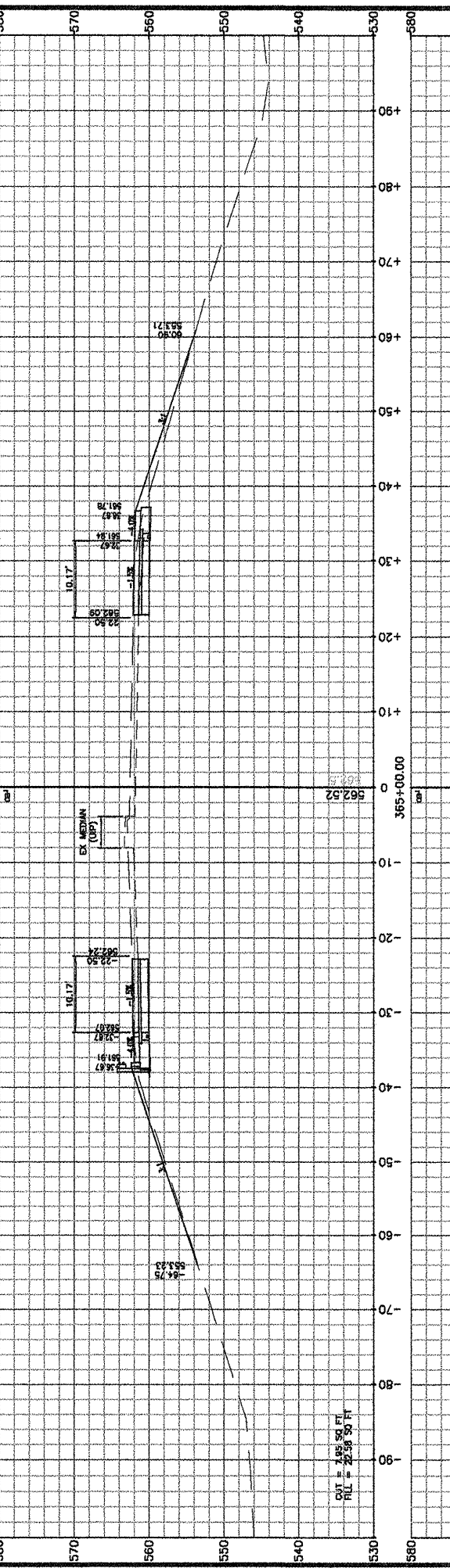
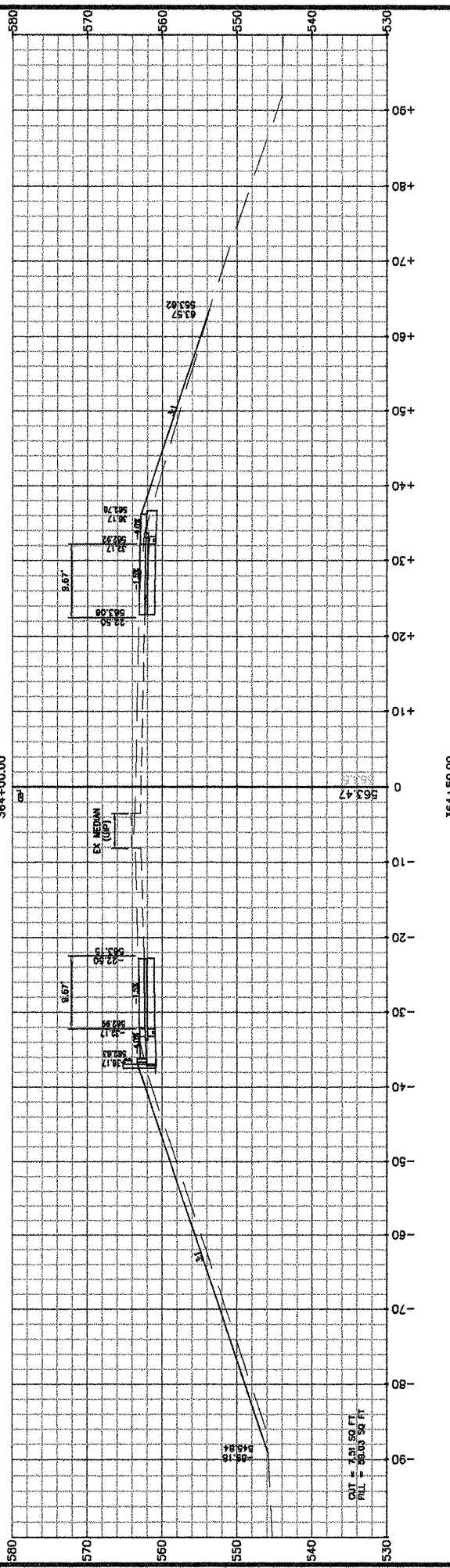
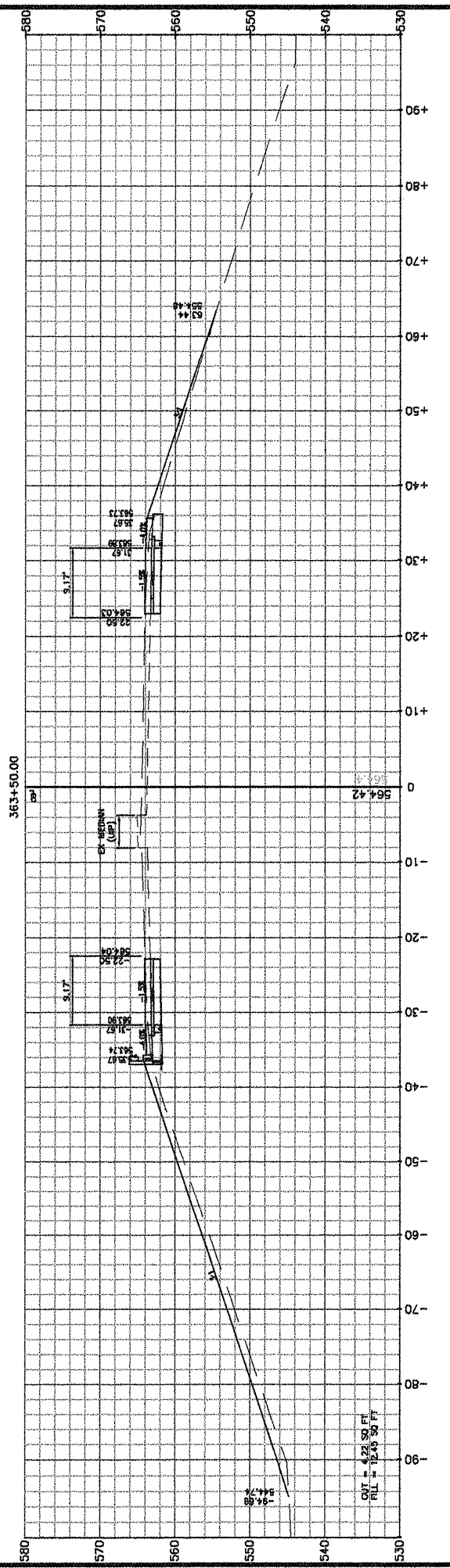
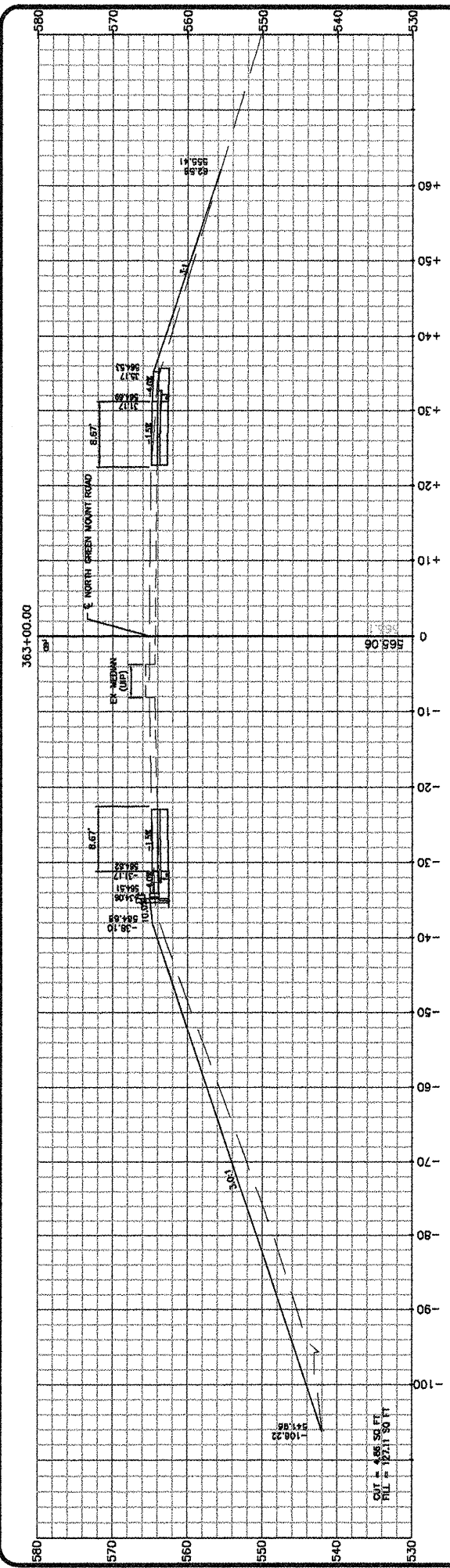
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ISSUE RECORD	
DATE	DESCRIPTION
PS&E 4/20/12	

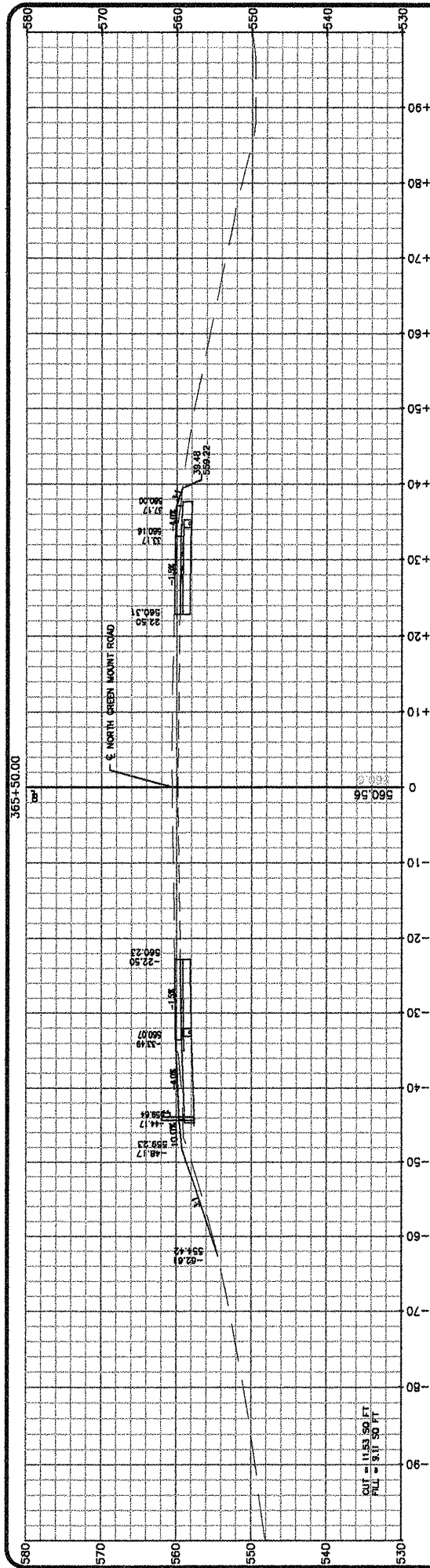


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**CROSS SECTIONS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PERCE BLVD  
SHILOH, ILLINOIS



SECTION	COUNTY
088-09	ST. CLAIR
CONTRACT NO. 597492	



Job No. 086-09  
 Scale: 1"=10'  
 Drawn by: BEC  
 Design by: BEC  
 Approved by: CMB  
 File Name: Shiloh Plans

ISSUE RECORD

DATE	DESCRIPTION
4/20/12	PS&E

Corporate Engineering Certificate # 000291

CIVIL ENGINEER  
4/20/12

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 Traffic and Transportation Engineers  
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 Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

**CROSS SECTIONS**  
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 E.B. RAMP, W.B. RAMP &  
 REGENCY PARK/PIERCE BLVD  
 SHILOH, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	

Job No. 086-09  
 Scale: 1"=10'  
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 Design by: BEC  
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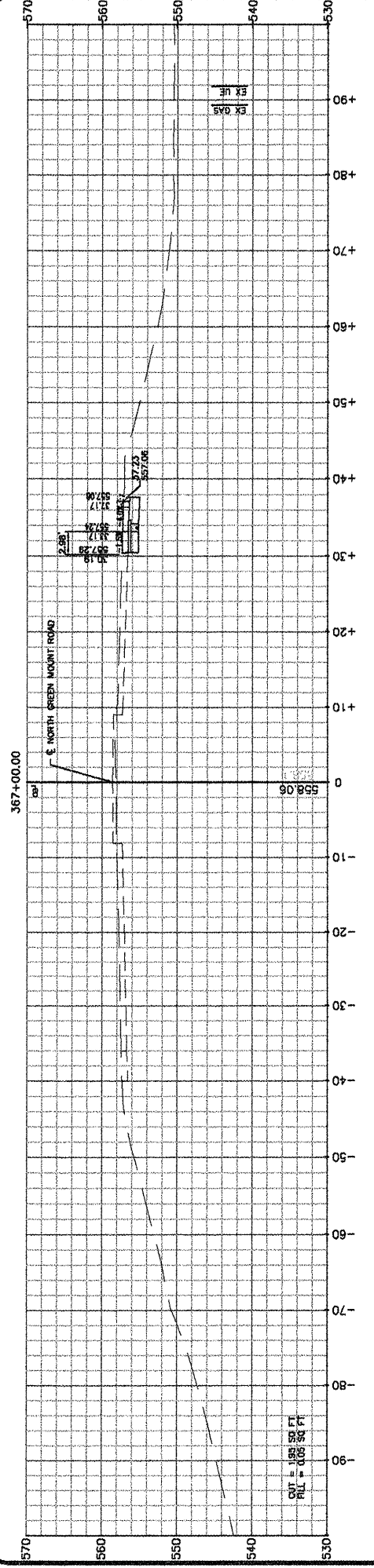
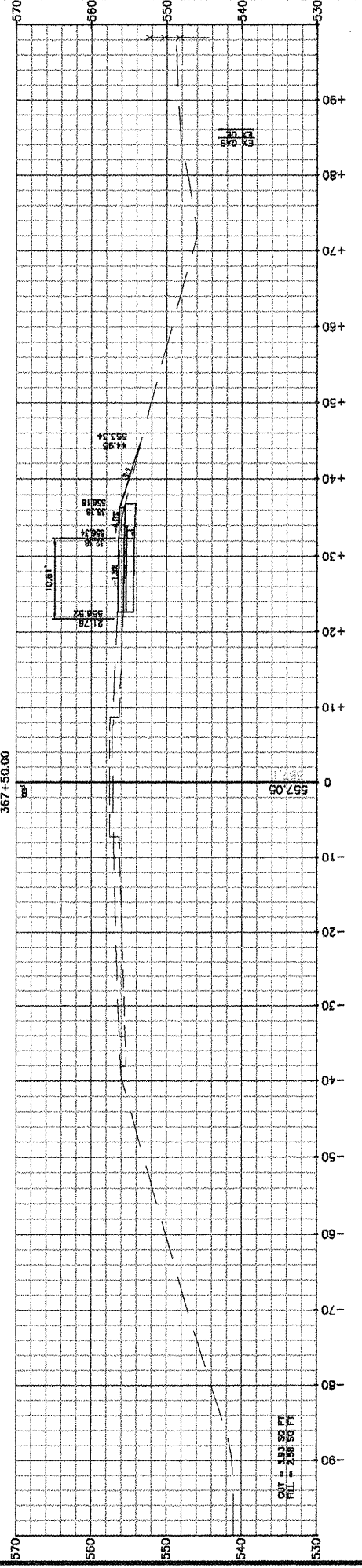
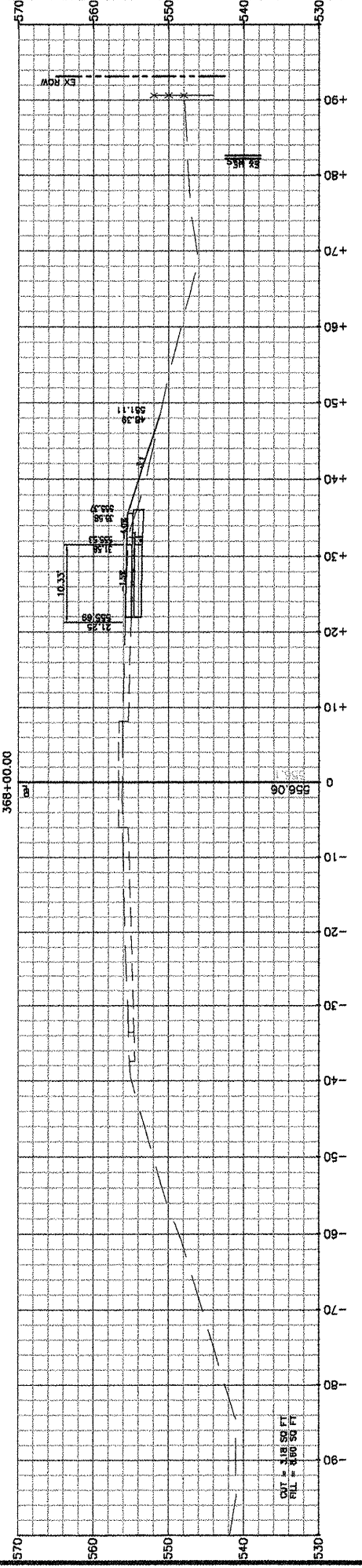
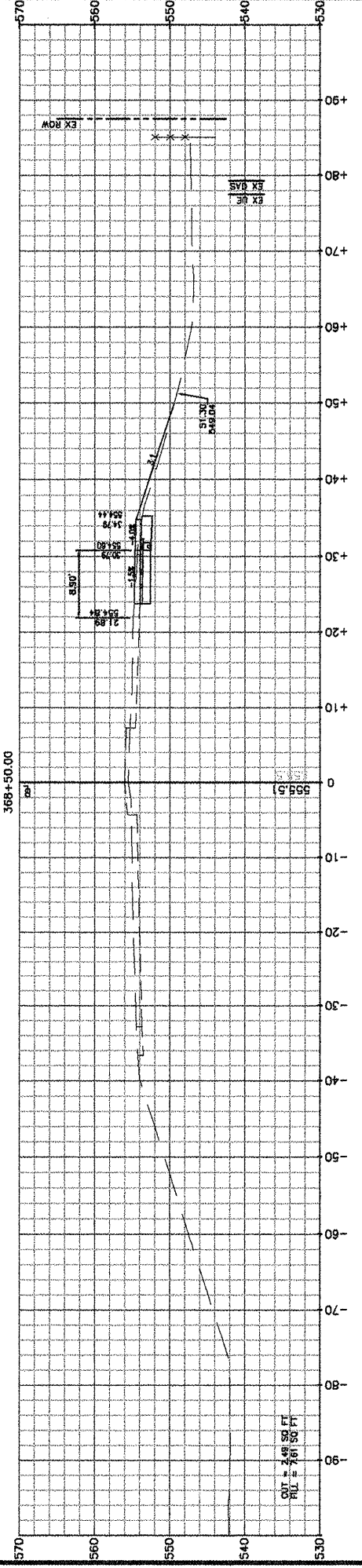
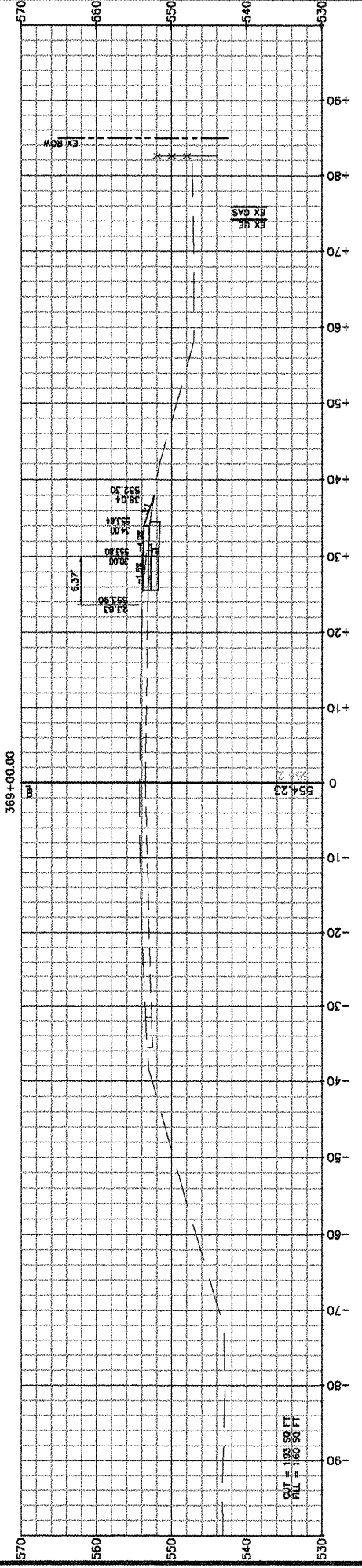
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4/20/12	PS&E 4/20/12

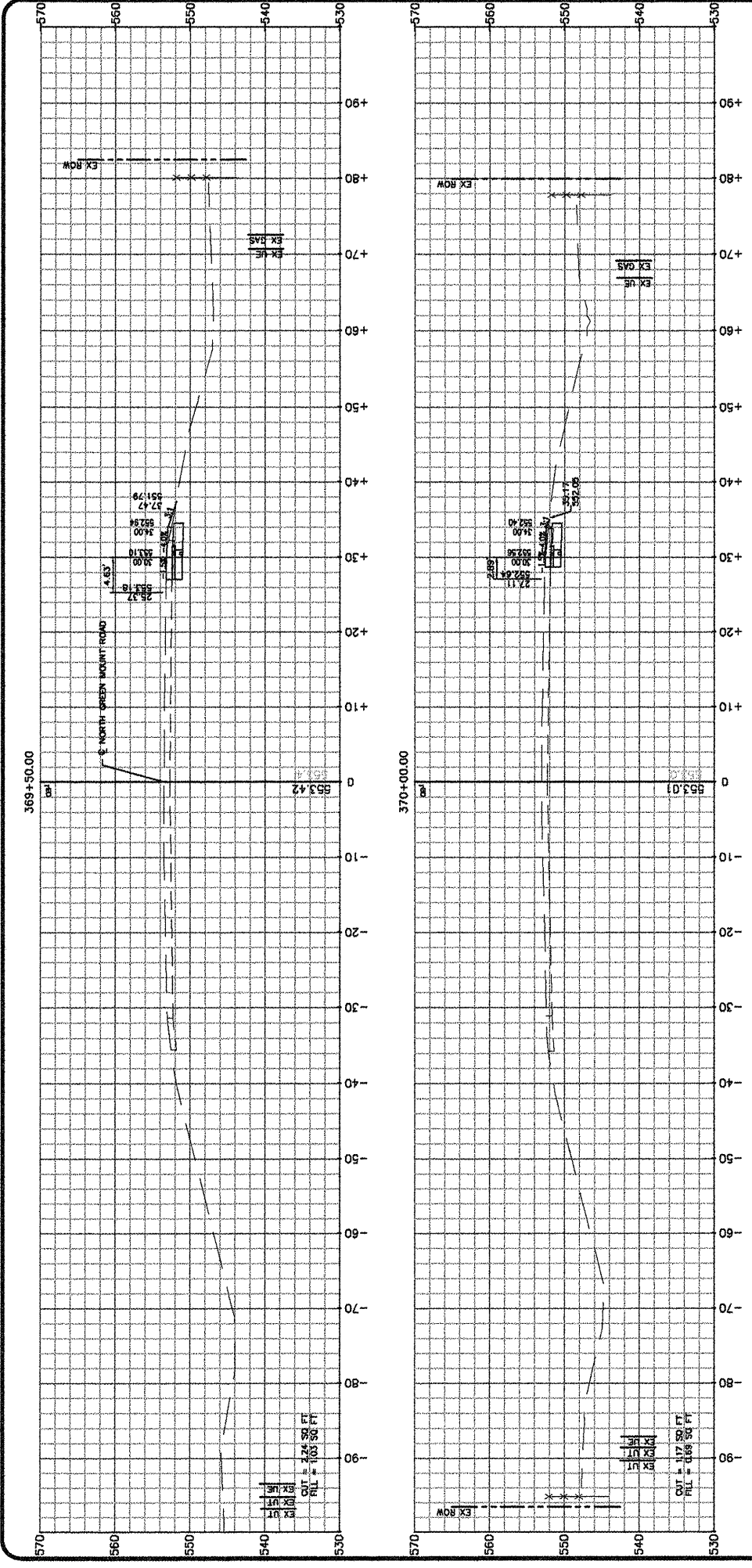
Corporate Engineering Certificate # 000381  
  
 CIVIL ENGINEER  
 4/20/12

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**CROSS SECTIONS**  
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F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	





F.A.U. RTE.	SECTION	COUNTY
9170	08-00333-12-PW	ST. CLAIR
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**CROSS SECTIONS**

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Civil Engineer  
 4/20/12

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DATE	PS&E 4/20/12

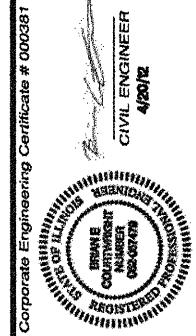
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 Job No. 066-09  
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 Drawn by: BEC  
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 File Name: Shiloh Plans

Job No. 086-09  
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File Name: Shiloh Plans

ISSUE RECORD

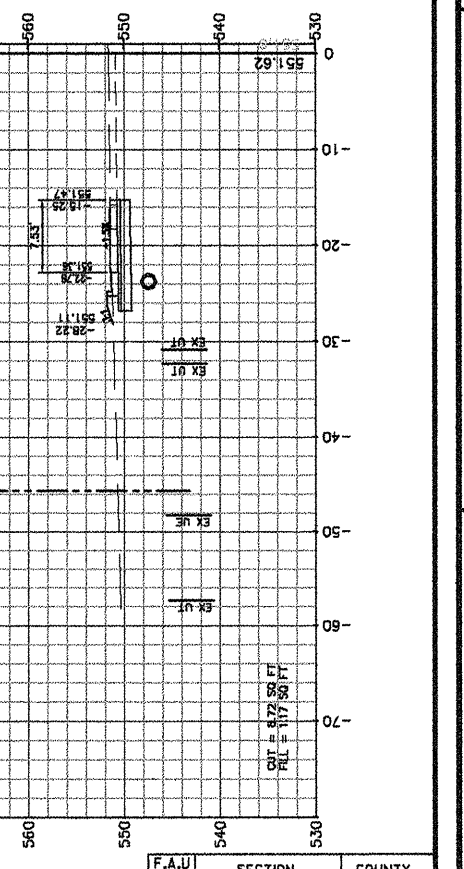
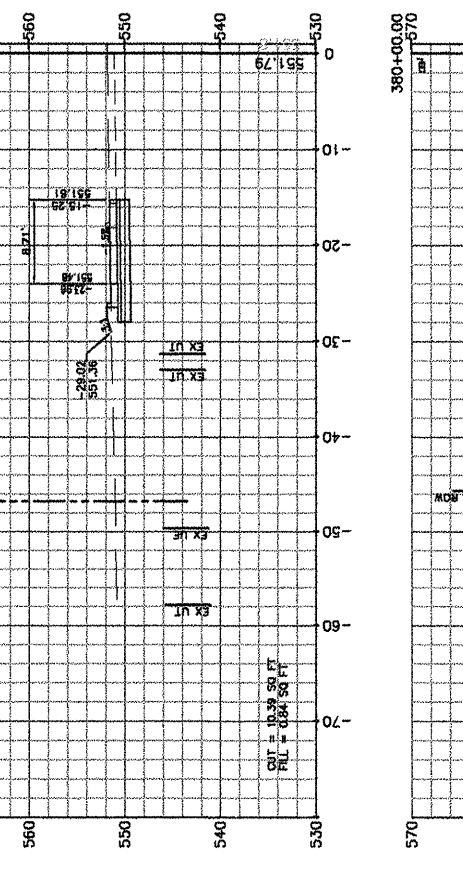
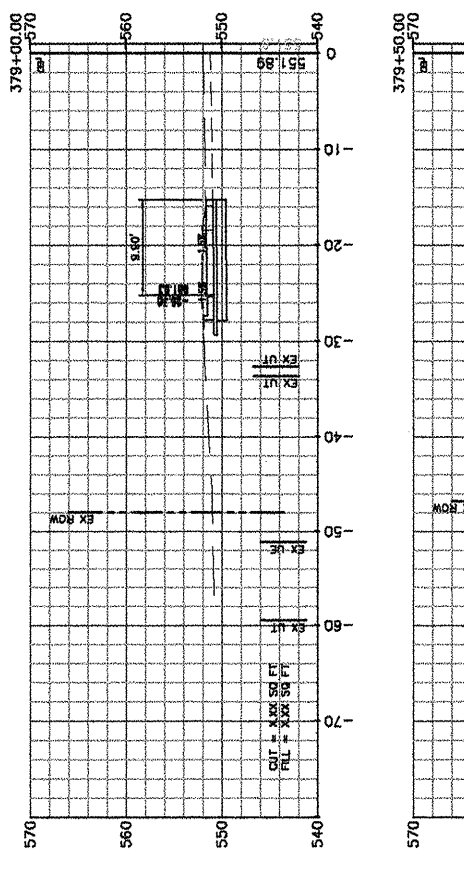
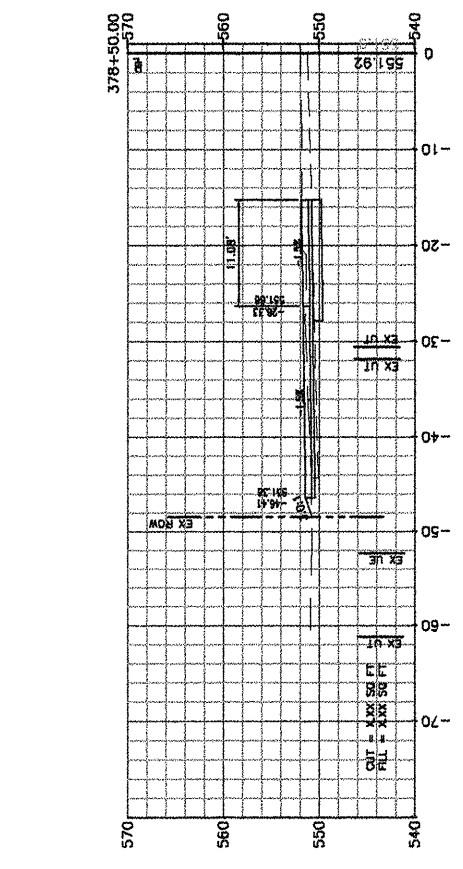
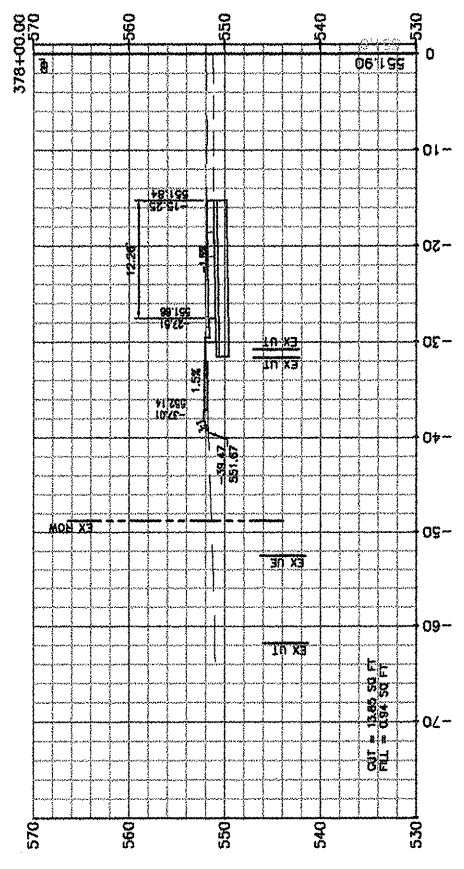
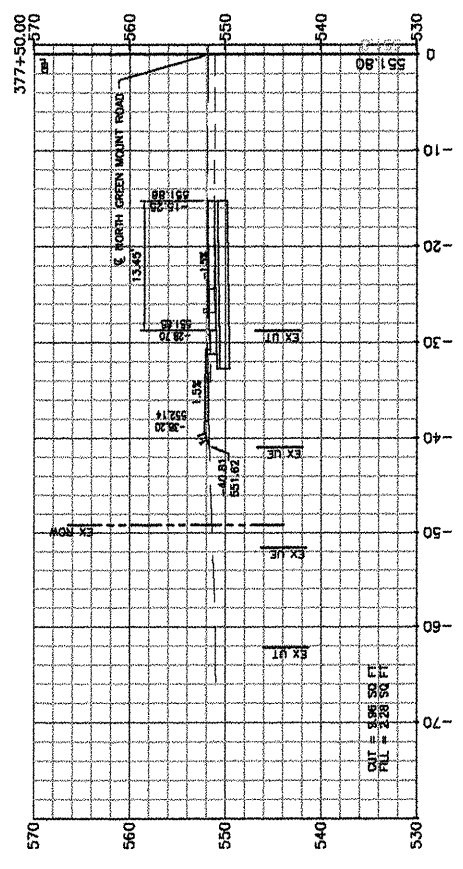
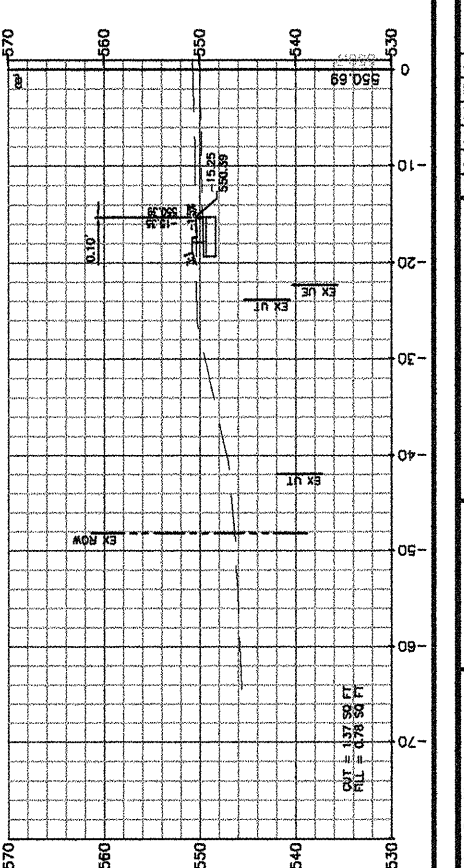
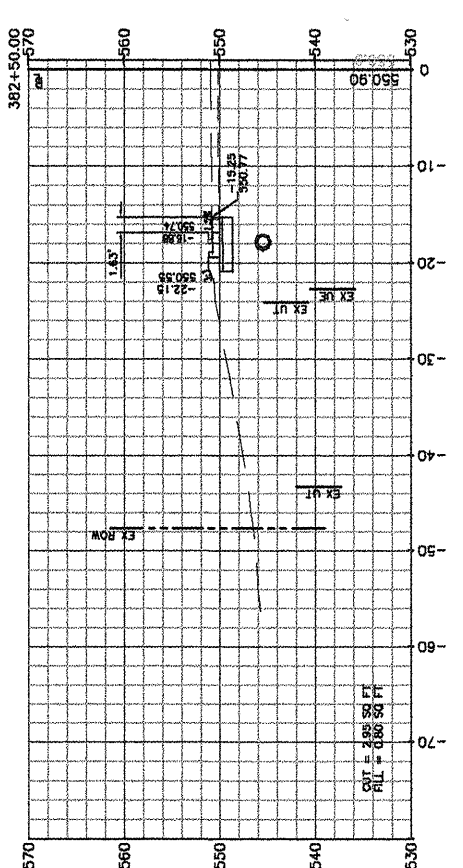
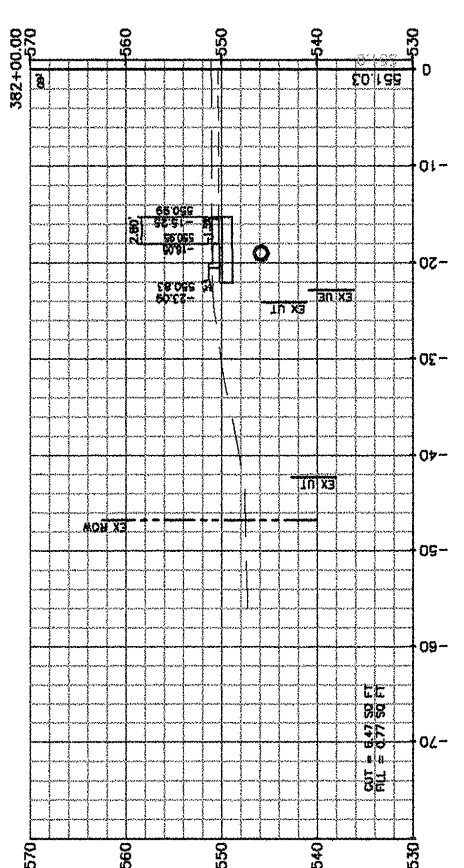
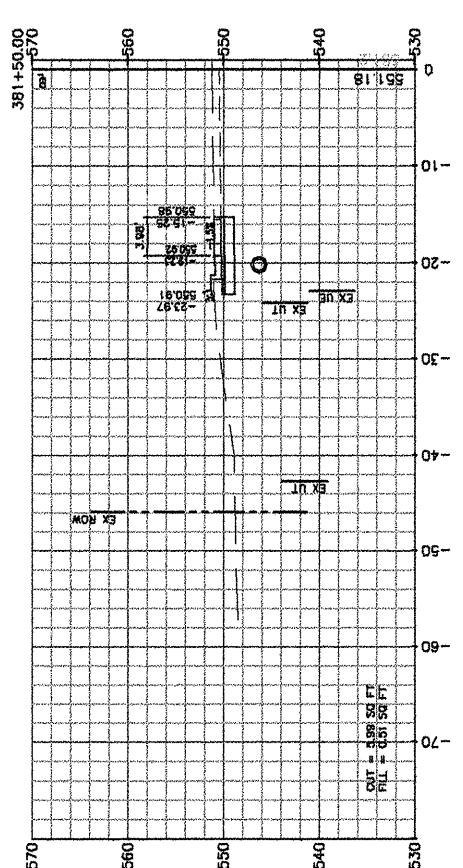
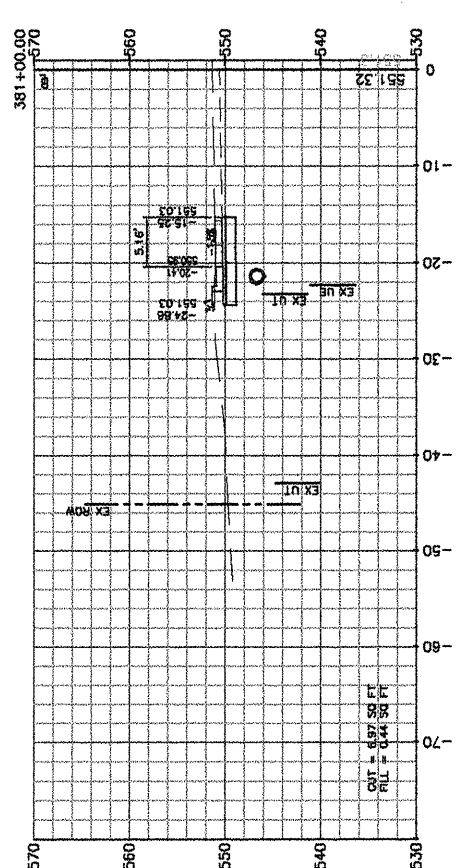
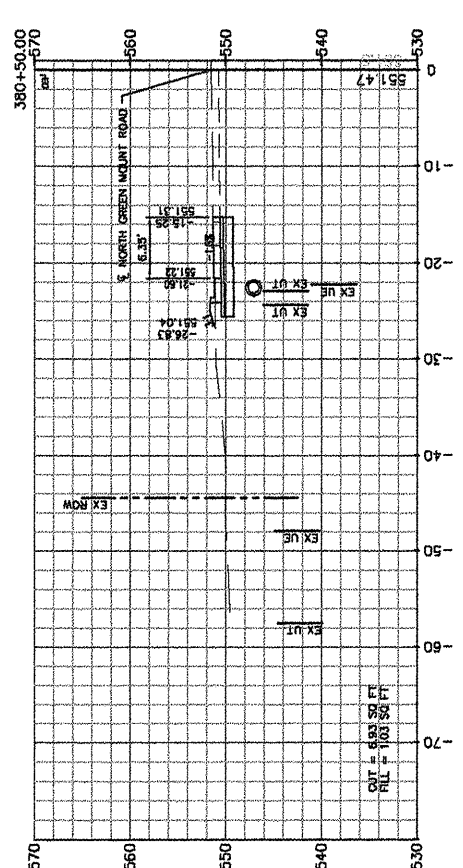
DATE PS# 4/20/12

Corporate Engineering Certificate # 000281



**CBB** Crawford, Bunte, Brammeier  
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**CROSS SECTIONS**  
N. GREEN MOUNT ROAD & I-64  
E.B. RAMP, W.B. RAMP &  
REGENCY PARK/PIERCE BLVD  
SHILOH, ILLINOIS



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9170	08-00333-12-PW	ST. CLAIR
ILLINOIS	CONTRACT NO. 97492	