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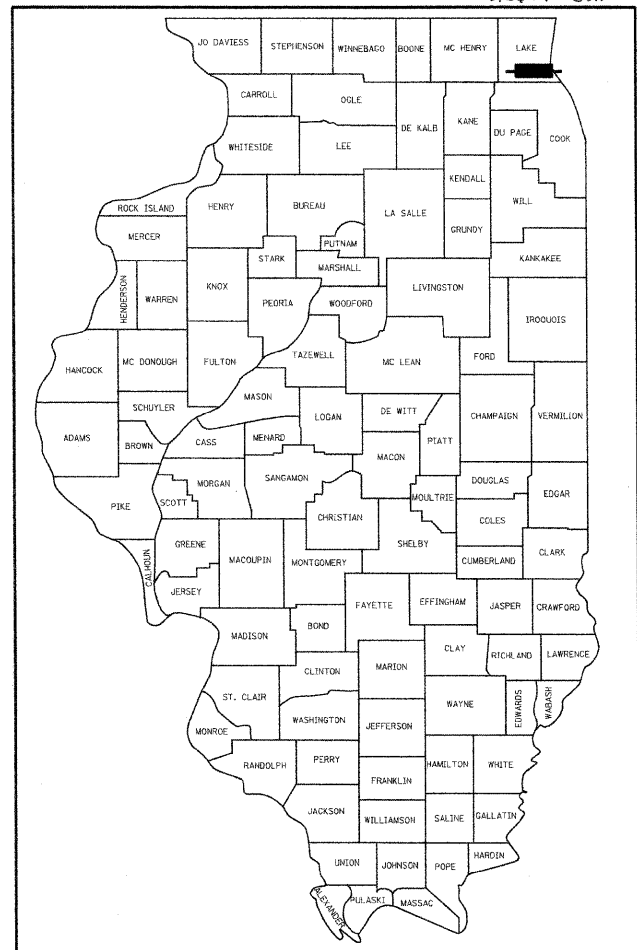
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 OR 811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
FAU ROUTE 1223 (WASHINGTON STREET)
ROADWAY RECONSTRUCTION
AND INTERSECTION IMPROVEMENTS

SECTION 02-00110-12-WR
PROJECT NUMBER ^{HPP} M-8003(506)
JOB NUMBER: C-91-175-05
LAKE COUNTY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 63209	

206+7 (213)



LOCATION OF SECTION INDICATED THIS: - [shaded box] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 7/16 2009
Kevin D. Nelson
LAKE COUNTY DIVISION OF TRANSPORTATION

PASSED 7/17 2009
John T. Idriss
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW 7/16 2009
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

SIGNED Kevin D. Nelson FOR DRAWINGS
DATE 5/29/09

SIGNED John T. Idriss FOR DRAWINGS
DATE 5/29/09

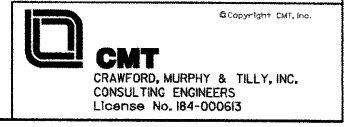
SHEETS 114 THRU 118



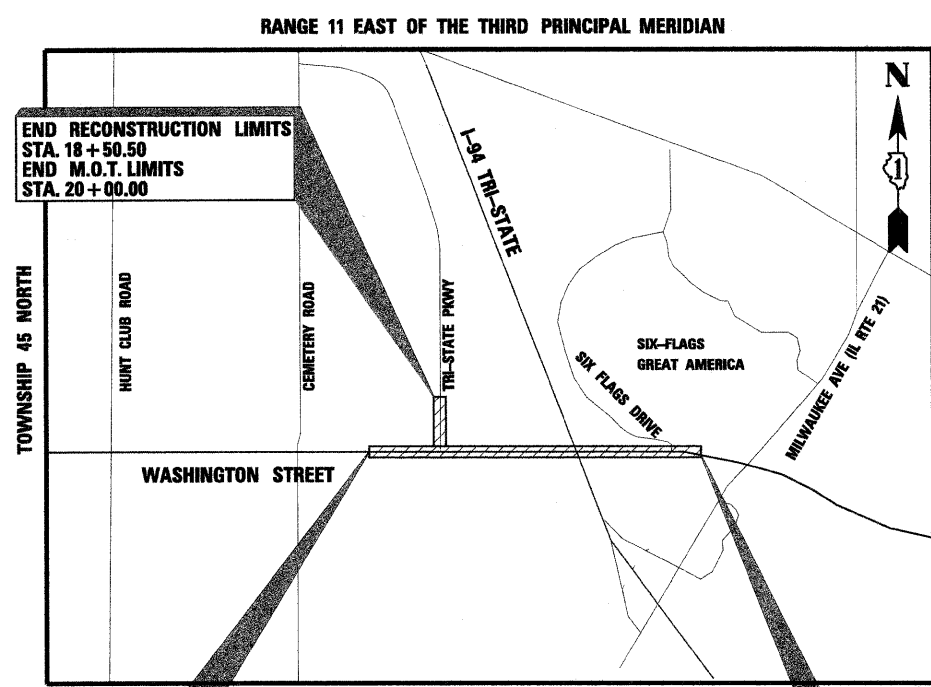
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EXP. 11-30-2010



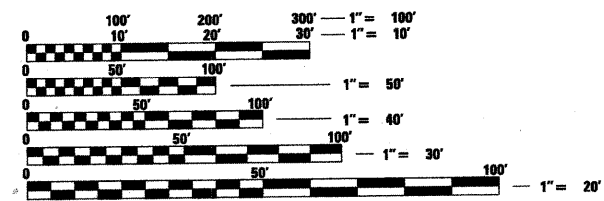
**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**



LOCATION MAP
NOT TO SCALE
WASHINGTON STREET: 4,950.02 L.F. = 0.94 MILES
TRI-STATE PARKWAY: 350.50 L.F. = 0.07 MILES
GROSSNET LENGTH = 1.01 MILES

BEGIN IMPROVEMENT LIMITS
STA. 133+72.50
BEGIN M.O.T. LIMITS
STA. 122+00.00

END IMPROVEMENT LIMITS
STA. 8+33.55
END M.O.T. LIMITS
STA. 10+90.00



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.

CONTRACT NO. 63209

DESIGN DESIGNATION

DESIGN DESIGNATION
5302 (26) ARTERIAL 3.97 (B-20)

DESIGN FUNCTIONAL CLASSIFICATION

WASHINGTON STREET: ARTERIAL
TRI-STATE PARKWAY: COLLECTOR

DESIGN TRAFFIC

WASHINGTON STREET: 36,534 (YEAR 2030)
TRI-STATE PARKWAY: 12,300 (YEAR 2030)

DESIGN SPEED

WASHINGTON STREET: 50 MPH
TRI-STATE PARKWAY: 50 MPH

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007, AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS"; ADOPTED JANUARY 1, 2009 WITH THE DETAILS IN THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER OR HIS REPRESENTATIVES. FINAL PAYMENT WILL BE MADE AFTER ALL THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ANY AND ALL MATERIALS AND DEBRIS FROM THE SITE THAT RESULT FROM CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL EXISTING AREAS (TO REMAIN) AFFECTED BY CONSTRUCTION ACTIVITIES, EQUIPMENT, OR LABORERS TO THE ORIGINAL UNDISTURBED CONDITIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL THE COMPLETION OF THE CONTRACT.
- REMOVAL OF PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF OFF SITE AT LOCATIONS PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS PRESENT IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE END OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE INCLUDED IN THE CONTRACT, AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTORS' FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS, OR REMOVAL OF UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL PLAN THEIR WORK BASED ON THEIR OWN SOIL BORINGS, EXPLORATIONS, AND OBSERVATIONS TO DETERMINE SOIL CONDITIONS AT THE LOCATION OF THE PROPOSED WORK. HOWEVER, THE OWNER HAS A SOILS REPORT AND THE RESULTS WILL BE AVAILABLE FROM THE OWNER UPON WRITTEN REQUEST.
- EXCESS MATERIALS, IF NOT UTILIZED AS FILL, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF- SITE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL MAILBOXES WITHIN THE LIMITS OF CONSTRUCTION WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND SHALL ERECT THEM AT TEMPORARY LOCATIONS. AS SOON AS CONSTRUCTION OPERATIONS PERMIT, THE CONTRACTOR SHALL SET THE MAILBOXES AT THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE, AT THE CONTRACTOR'S EXPENSE, ANY MAILBOX OR POST WHICH HAS BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS. THE COST ASSOCIATED WITH ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT.
- THE COST ASSOCIATED WITH THE INSTALLATION OF PROPOSED MEDIAN SIGN BOX-OUTS SHALL BE INCLUDED IN THE COST FOR "CONCRETE MEDIAN, TYPE SB-6.06" AND "STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (SPECIAL)"

DRAINAGE

- DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING, OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER.
- THE CONTRACTOR SHALL RECONNECT ALL EXISTING DRAINAGE TILES FOUND DURING EXCAVATION TO THE NEW STORM SEWER LINES IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS. THE COST OF INSTALLING THIS CONNECTION IS INCLUDED IN THE CONTRACT.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
- CEMENT BRICKS AND NON-SHRINK MORTAR SHALL BE USED IN ALL STORM STRUCTURES

STRUCTURAL DESIGN DATA - WASHINGTON STREET

2003 ADT - 25,100
 DESIGN LIFE - 20 YEARS
 GROWTH RATE - 3% / YEAR
 DESIGN ADT - 34,889

TRAFFIC FACTOR DESIGN PARAMETERS
 73.3 KIP LOAD
 CLASS 1
 TRAFFIC FACTOR - 3.97
 SUBGRADE SUPPORT RATING - POOR

DESIGN AC MIXTURE TEMPERATURE - 76°
 DESIGN AC MICRO STRAIN - 68.75
 DESIGN BITUMINOUS CONCRETE MODULUS - 650
 REQUIRED PAVEMENT THICKNESS - 12 IN

UTILITIES

- WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF EXISTING UTILITY FACILITIES, SUCH INFORMATION ONLY REPRESENTS THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH FACILITIES AND IS ONLY INCLUDED FOR THE CONTRACTOR'S CONVENIENCE. THE ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN IN THE PLAN RELATING TO THE LOCATION OF EXISTING FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM OR ESTABLISH THE EXISTENCE OF ALL UTILITY FACILITIES RELEVANT TO THEIR EXACT LOCATIONS, AND TO SCHEDULE ALL NECESSARY UTILITY RELOCATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE OF NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE CONTRACTOR'S SCHEDULE SHOULD REFLECT CONSTRUCTION SEQUENCING WHICH COORDINATES WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE SEQUENCE SCHEDULE OF WORK TO COORDINATE WITH THE RELOCATION SCHEDULE OF CONFLICTING UTILITY COMPANIES.
- THE COST ASSOCIATED WITH THE REMOVAL OF THE EXISTING POLES FOR TEMPORARY INTERCONNECT BETWEEN CEMETERY ROAD AND TRI-STATE PARKWAY SHALL BE INCLUDED IN THE COST FOR "TEMPORARY TRAFFIC SIGNAL INTERCONNECT."

EARTH EXCAVATION

- PAYMENT FOR THE REMOVAL OF EXISTING AGGREGATE BASE COURSE, AND AGGREGATE SHOULDER SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM FOR EARTH EXCAVATION.
- EXCAVATION REQUIRED TO CLEAN SIDE ROAD DITCHES, CONSTRUCT DRIVEWAYS, OR CONSTRUCT SIDE ROAD APPROACHES SHALL BE INCLUDED IN EARTH EXCAVATION.
- ALL SUITABLE EXCESS MATERIAL FROM SEWER TRENCHES, ROADWAY WIDENING, SIDE ROADS, ENTRANCES OR NECESSARY EXCAVATIONS SHALL BE USED IN THE ROADWAY EMBANKMENT. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE INCLUDED IN EARTH EXCAVATION.

DRIVEWAYS AND ENTRANCES

- EXISTING BITUMINOUS, CONCRETE, AND GRAVEL DRIVEWAYS AND ENTRANCES SHALL BE RECONSTRUCTED TO THE RIGHT-OF-WAY AS SHOWN IN THE PLANS.
- THE CONTRACTOR SHALL CONSTRUCT ALL PRIVATE DRIVEWAYS AND FIELD ENTRANCES IN ACCORDANCE WITH THE PLANS AND THE FOLLOWING REQUIREMENTS:
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS DURING ALL STAGES OF CONSTRUCTION. THE COST TO PROVIDE THIS UNINTERRUPTED ACCESS SHALL BE PAID SEPARATELY, ITEMS FOR "AGGREGATE FOR TEMPORARY ACCESS" AND "TEMPORARY RAMP" IS INCLUDED IN THE CONTRACT.

UTILITY COMPANY CONTACT INFORMATION

NORTH SHORE GAS COMPANY

3001 GRAND AVENUE
 WAUKEGAN, IL 60085
 ATTN: MR. GERRY GLOGOVSKY
 847-263-4687

COMCAST CABLE

1575 ROHLWING ROAD
 ROLLING MEADOWS, IL 60008
 ATTN: MR. CORNELIO DeLoCERDA
 847-346-3221

COMMONWEALTH EDISON

1500 FRANKLIN BOULEVARD
 LIBERTYVILLE, IL 60048
 ATTN: MS. TERRI BLECK
 MANAGER, PUBLIC RELOCATION GROUP
 847-816-5239

ADESTA

1428 SHERMAN ROAD
 ROMEVILLE, IL 60446
 ATTN: MR. CHRIS ROBERTS
 630-739-0546

VILLAGE OF GURNEE

325 NORTH O'PLAINE ROAD
 GURNEE, IL 60031
 ATTN: SCOTT DRABICKI, P.E.
 847-599-7550

AT&T CORPORATION

1000 COMMERCE DRIVE
 OAK BROOK, IL, 60523
 ATTN: MR. HECTOR GARCIA
 630-573-5465

I.D.O.T. (DISTRICT 1) HIGHWAY STANDARD DRAWINGS

- BD05 CONCRETE MEDIAN TYPE SB (DOWELED) AND CORRUGATED MEDIAN (MODIFIED)
- BD07 STORM SEWER CONNECTION TO EXISTING SEWER
- BD08 FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING
- BD32 BUTT JOINTS AND HMA TAPER
- BD36 FIRE HYDRANT TO BE MOVED
- BD51 BENCHING CONSTRUCTION DETAIL

INDEX OF STANDARD DRAWINGS

L.C.D.O.T. STANDARD DRAWINGS

LC0012	5 LANE TO 2 LANE DROP OR ADD	LC6620	BICYCLE RAILING
LC0020	TRENCH WIDTHS FOR TRENCH BACKFILL & PAVEMENT REPLACEMENT, BITUMINOUS UNDERCUT DETAIL	LC6650	WITNESS POST
LC2000	UNDERCUT DETAIL	LC7000	MODIFIED STANDARD 701011
LC2050	TRIANGULAR SILT DIKE INSTALLATION FOR ROADWAY DITCH OR DRAINAGE DITCH	LC7001	MODIFIED STANDARD 701501
LC2051	SEGMENTAL CONCRETE BLOCK WALL	LC7200	DIRECTIONAL INDICATOR BARRICADES
LC2101	PERIMETER EROSION BARRIER INSTALLATION	LC7201	TEMPORARY CONSTRUCTION INFORMATION SIGNS
LC3000	CURB & GUTTER SUBGRADE OPTIONS	LC7800	TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS
LC4054	TYPICAL SECTION 10' HOT -MIX ASPHALT BIKE PATH - VICINITY OF CURB & GUTTER	LC7802	SHORT TERM PAVEMENT MARKINGS
LC4100	TYPICAL MINOR ACCESS (PRIVATE ENTRANCE)	LC8501	TRAFFIC SIGNAL CONTROLLER CABINET WITH ATTACHED BATTERY BACK-UP CABINET
LC4121	MAILBOX TURNOUT ALONG CURBED ROADS	LC8900	VIDEO DETECTION DETAILS
LC4201	CURBED RAMPS WITH DETECTABLE WARNINGS, TRAFFIC SIGNAL POSTS & MAST ARMS	LC8901	TEMPORARY AUTOSCOPE INSTALLATION
LC4202	CONCRETE WASHOUT FACILITIES		
LC6020	SUB -SURFACE DRAINS		
LC6320	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (RADIAL)		

I.D.O.T. HIGHWAY STANDARD DRAWINGS

000001 - 05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT BARS
001006 -	DECIMAL OF AN INCH AND OF A FOOT
280001 - 04	TEMPORARY EROSION CONTROL SYSTEMS
420001 - 07	PAVEMENT JOINTS
542301 - 02	REINFORCED CONCRETE FLARED END SECTION
542401 - 01	METAL END SECTION FOR PIPE CULVERTS
602001 - 01	CATCH BASIN, TYPE A
602006 - 02	CATCH BASIN, TYPE B
602011 - 01	CATCH BASIN, TYPE C
602301 - 02	INLET, TYPE A
602401 - 02	MANHOLE, TYPE A
602406 - 03	MANHOLE, TYPE A, 1.8m (6') DIAMETER
602601 - 02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701 - 02	MANHOLE STEPS
604001 - 03	FRAME AND LIDS, TYPE 1
604031 - 02	GRATE, TYPE 7
604036 - 02	GRATE, TYPE 8
604091 - 02	FRAME AND GRATE, TYPE 24
606001 - 04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301 - 04	PC CONCRETE ISLANDS AND MEDIANS
606306 - 03	CORRUGATED PC CONCRETE MEDIANS
630101 - 08	GUARDRAIL MOUNTED ON EXISTING CULVERTS
641001 - 01	SIGHT SCREEN CEDAR STOCKADE FENCE TYPE S
664001 - 02	CHAIN LINK FENCE
701001 - 02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5m (15') AWAY
701006 - 03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701021 - 03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701306 - 02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311 - 03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326 - 03	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701501 - 05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502 - 03	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602 - 04	URBAN LANE CLOSURE, MULTI LANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606 - 06	URBAN LANE CLOSURE, MULTI LANE, 2W WITH MOUNTABLE MEDIAN
701901 - 01	TRAFFIC CONTROL DEVICES
720011 - 01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
805001 - 01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001 - 02	HANDHOLES
814006 - 02	DOUBLE HANDHOLES
857001 - 01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001 - 01	UNINTERRUPTED POWER SUPPLY (UPS)
873001 - 02	TRAFFIC SIGNAL GROUNDING & BONDING
876001 - 01	PEDESTRIAN PUSH BUTTON POST
877006 - 03	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011 - 04	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001 - 07	CONCRETE FOUNDATION DETAILS
880001 - 01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006 - 01	TRAFFIC SIGNAL MOUNTING DETAILS

GENERAL NOTES

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	2
CONTRACT NO. 63209			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



DESIGNED - SJP	REVISD -
DRAWN - SJP	REVISD -
CHECKED - KDN	REVISD -
DATE - 05/29/09	REVISD -



FILE NAME: I:\bakico\98822\01\Drawn\Notes\GENERAL NOTES.dgn

SPECIAL PROVISION	PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
•	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	815
•	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	634
•	20101100	TREE TRUNK PROTECTION	EACH	24
• Δ	20101200	TREE ROOT PRUNING	EACH	20
Δ	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10
Δ	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	10
•	20200100	EARTH EXCAVATION	CU YD	22,020
•	20400800	FURNISHED EXCAVATION	CU YD	4,016
•	20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	717
•	20800150	TRENCH BACKFILL	CU YD	1,155
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	39,168
• Δ	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10,962
•	21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	100
• Δ	25000210	SEEDING, CLASS 2A	ACRE	4.00
Δ	25000314	SEEDING, CLASS 4B	ACRE	0.25
Δ	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	383
Δ	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	383
	25100630	EROSION CONTROL BLANKET	SQ YD	25,525
•	25100800	EROSION CONTROL MAT	SQ YD	348
Δ	25200110	SODDING, SALT TOLERANT	SQ YD	1,157
Δ	25200200	SUPPLEMENTAL WATERING	UNIT	945
Δ	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	434
•	28000400	PERIMETER EROSION BARRIER	FOOT	8,766
	28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	408
•	28200200	FILTER FABRIC	SQ YD	408
•	35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	9,503
•	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	674
•	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5,237
	40600300	AGGREGATE (PRIME COAT)	TON	53
	40600895	CONSTRUCTION TEST STRIP	EACH	6
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	359
	40600990	TEMPORARY RAMP	SQ YD	315
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,034
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	206
	40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	18,356

FILE NAME = L:\LAKECO\BR22401\Drawings\Sheets\901.dgn



USER NAME = Steve Prange
 PLOT SCALE = 1:8000 1/4" IN.
 PLOT DATE = 05/29/09

DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

REVISED -
 REVISED -
 REVISED -
 REVISED -



SUMMARY OF QUANTITIES


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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	3
CONTRACT NO. 63209				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

SPECIAL PROVISION	PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	938
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,068
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	2,622
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	896
*	42400800	DETECTABLE WARNINGS	SQ FT	128
	44000100	PAVEMENT REMOVAL	SQ YD	20,697
*	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	12,361
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,511
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,513
	44003100	MEDIAN REMOVAL	SQ FT	7,068
	44003800	MEDIAN SURFACE REMOVAL	SQ FT	8,114
	44004000	PAVED DITCH REMOVAL	FOOT	45
	44004250	PAVED SHOULDER REMOVAL	SQ YD	1,523
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	374
*	45100100	CRACK ROUTING (PAVEMENT)	FOOT	8,689
*	45100200	CRACK FILLING	POUND	2,450
	50104400	CONCRETE HEADWALL REMOVAL	EACH	3
	50105220	PIPE CULVERT REMOVAL	FOOT	1,776
	50200100	STRUCTURE EXCAVATION	CU YD	577
	50300225	CONCRETE STRUCTURES	CU YD	36.7
	50300300	PROTECTIVE COAT	SQ YD	17
	50800105	REINFORCEMENT BARS	POUND	5,050
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,118
	50901720	BICYCLE RAILING	FOOT	1,824
	54003000	CONCRETE BOX CULVERTS	CU YD	11.3
	542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	110
	54200643	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	52
	54209907	PIPE CULVERTS, TYPE 2, REINFORCED CONCRETE - ELLIPTICAL, EQUIVALENT ROUND-SIZE 42"	FOOT	234
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1
	54213873	STEEL END SECTIONS 18"	EACH	2
*	54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	1
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	481
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	120
	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	15

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CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000613

USER NAME = Monica Crinson
PLOT SCALE = 1/8" = 1' / IN.
PLOT DATE = 07/15/09

DESIGNED - SJP
DRAWN - SJP
CHECKED - KDN
DATE - 07/15/09

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SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF	SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	4
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SPECIAL PROVISION	PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	2,348
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	519
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	656
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	484
•	55039700	STORM SEWERS TO BE CLEANED	FOOT	100
•	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	5
	56400800	FIRE HYDRANT AND VALVE TO BE MOVED	EACH	3
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	1.8
	60107800	PIPE UNDERDRAINS 8"	FOOT	143
•	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	10
•	60201340	CATCH BASINS, TYPE A, 4' - DIAMETER, TYPE 24 FRAME AND GRATE	EACH	25
•	60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	6
•	60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
•	60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1
	60206705	CATCH BASINS, TYPE B	EACH	1
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3
	60218400	MANHOLES, TYPE A, 4' - DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
	60221100	MANHOLES, TYPE A, 5' - DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
	60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	1
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	22
	60255500	MANHOLES TO BE ADJUSTED	EACH	1
•	60260050	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	3
	60260100	INLETS TO BE ADJUSTED	EACH	2
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1
	60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	6
•	60300205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	9
	60500060	REMOVING INLETS	EACH	22
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,516
•	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	9,241
	60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	694
	60619200	CONCRETE MEDIAN, TYPE SB-6.06	SO FT	2,110
	60624600	CORRUGATED MEDIAN	SO FT	282
•	61140200	STORM SEWERS, SPECIAL 12"	FOOT	106
▲	63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	590
	63200310	GUARDRAIL REMOVAL	FOOT	1,269

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 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
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USER NAME = Monica Crivison
 PLOT SCALE = 1:8000' / IN.
 PLOT DATE = 07/15/09

DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 07/15/09

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63209

SPECIAL PROVISION	PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
	64100120	SIGHT SCREEN (WOODEN FENCE), TYPE P 8'	FOOT	401
	66400105	CHAIN LINK FENCE, 4'	FOOT	957
*	66410300	CHAIN LINK FENCE REMOVAL	FOOT	189
*	66503400	BARBED WIRE FENCE REMOVAL	FOOT	1,181
	67100100	MOBILIZATION	L SUM	1
*	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
	70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,149
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	62,790
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2,391
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	8,265
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	462
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	17,775
	70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	2,426
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	12,175
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	695
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	479
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	11
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	32
	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	20
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	348
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	21,392
Δ	78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	10,874
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,096
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,746
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	218
* Δ	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	942
* Δ	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	338
Δ	78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	70
* Δ	78200405	GUARDRAIL MARKERS	EACH	24
* Δ	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,942
*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	20
Δ	81000500	CONDUIT IN TRENCH, 1-1/2" DIA., GALVANIZED STEEL	FOOT	10
Δ	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	3,192

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USER NAME = Monica Crisman	DESIGNED - SJP	REVISED -
PLOT SCALE = 1:8000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -



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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
			CONTRACT NO. 63209	

SPECIAL PROVISION	PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
△	81000700	CONDUIT IN TRENCH, 2-1/2" DIA., GALVANIZED STEEL	FOOT	61
△	81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	54
△	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	23
△	81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	20
△	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	710
△	81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	35
△	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	539
△	81019000	CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	95
△	81400100	HANDHOLE	EACH	14
△	81400300	DOUBLE HANDHOLE	EACH	2
△	81700215	ELECTRIC CABLE IN CONDUIT, 600 V (EPR-TYPE RHW) 2-1/C NO. 10	FOOT	1,071
• △	82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	5
△	84200700	LIGHTING FOUNDATION REMOVAL	EACH	1
• △	85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2
• △	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2
• △	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,455
• △	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,315
• △	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,915
• △	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,311
• △	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	62
• △	87704100	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	2
• △	87704110	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	2
• △	87704140	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT (SPECIAL)	EACH	1
• △	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20
• △	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	8
• △	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
• △	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	61
△	87900200	DRILL EXISTING HANDHOLE	EACH	2
• △	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
• △	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
• △	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
• △	88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	3
• △	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
• △	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
• △	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8

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CMT CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-00063

USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 1:8000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -

 **LakeCounty**
Division of Transportation

SUMMARY OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	7
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SPECIAL PROVISION	PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
• Δ	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	15
• Δ	88700200	LIGHT DETECTOR	EACH	4
• Δ	88700300	LIGHT DETECTOR AMPLIFIER	EACH	2
• Δ	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
• Δ	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2
• Δ	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
• Δ	89502380	REMOVE EXISTING HANDHOLE	EACH	5
• Δ	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
• Δ	XX008128	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 24 FT. EACH (SPECIAL)		1
	X5401160	PRECAST CONCRETE BOX CULVERT 10' X 4.5'	FOOT	102
• Δ	A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	90
• Δ	D2003184	EVERGREEN, PSUEDOTSUGA MENZIESII (DOUGLAS FIR), 7' HEIGHT, BALLED AND BURLAPPED	EACH	23
•	XX008129	BACKER MATERIAL	FOOT	8,689
	XX008130	DRAINAGE STRUCTURE TO BE CLEANED AND GROUTED	EACH	18
•	Z0070200	SURVEY MONUMENTS	EACH	1
• Δ	XX008131	ELECTRIC CABLE IN CONDUIT, NO. 18 3C, VIDEO	FOOT	1,417
• Δ	XX008132	RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM	EACH	1
• Δ	X0301850	FURNISHING AND INSTALLING TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	2
• Δ	X0321524	CHIMNEY SEAL	EACH	4
•	X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	1
•	X0322923	SEGMENTAL CONCRETE BLOCK WALL	SO FT	229
• Δ	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,362
•	X0323013	TUBULAR STEEL GATE	EACH	2
GBSP	X0323988	TEMPORARY SOIL RETENTION SYSTEM	SO FT	828
• Δ	X0325151	REMOVE EXISTING LIGHT POLE	EACH	1
•	X0712400	TEMPORARY PAVEMENT	SO YD	6,117
•	X2010510	CLEARING AND GRUBBING	L SUM	1
•	X2800105	TEMPORARY DITCH CHECKS, URETHANE FOAM/GEOTEXTILE	EACH	24
•	X2800500	INLET PROTECTION, SPECIAL	EACH	101
GBSP	X5121800	PERMANENT STEEL SHEET PILING	SO FT	1,962
•	X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	8,624
•	X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	18
•	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	72
• Δ	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	2

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USER NAME = Monica Driscoll
 PLOT SCALE = 1:2000 1/4" = 100 FT.
 PLOT DATE = 07/15/09

DESIGNED - SJP
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 CHECKED - KDN
 DATE - 07/15/09

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SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	

SPECIAL PROVISION	PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
• Δ	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1,508
• Δ	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	631
• Δ	X8900010	TEMPORARY TRAFFIC SIGNAL INTERCONNECT	EACH	1
•	XX001758	WOOD FENCE REMOVAL	FOOT	189
• Δ	XX002856	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1
•	XX003503	FLARED END SECTION REMOVAL	EACH	1
• Δ	XX003661	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	311
• Δ	XX003662	ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 3C	FOOT	311
•	XX008133	MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS	UNIT	28,320
• Δ	XX005723	VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION)	EACH	2
• Δ	XX005928	TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1
• Δ	XX005931	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	4
• Δ	XX005937	L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	6
• Δ	XX005940	REMOTE CONTROLLED - VIDEO SYSTEM	EACH	2
•	XX006652	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH (SPECIAL)	SQ FT	2,715
• Δ	XX006654	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 36 FIBER (MM12F AND SM24F)	FOOT	4,362
• Δ	XX006655	LAYER II (DATALINK) SWITCH	EACH	2
•	XX006658	FLOCCULATION LOGS	EACH	20
•	XX006659	FLOCCULATION POWDER	POUND	18
• Δ	X8620020	UNINTERRUPTABLE POWER SUPPLY	EACH	2
•	XX206400	MAILBOX POST	EACH	13
•	XZ161800	TRAILER MOUNTED ARROW BOARD, TYPE B	EACH	2
•	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	36,885
•	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
•	Z0030070	IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2
•	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
•	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
•	Z0062400	SAWING BITUMINOUS CONCRETE PAVEMENT	FOOT	16,208
•	Z0076600	TRAINEES	HOOR	2,500

Δ SPECIALTY ITEMS

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CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000613

USER NAME = Monica Crinson
PLOT SCALE = 1:8000 1/4 IN.
PLOT DATE = 07/15/09

DESIGNED - SJP
DRAWN - SJP
CHECKED - KDN
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SUMMARY OF QUANTITIES				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	9
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

INDEX OF SCHEDULES

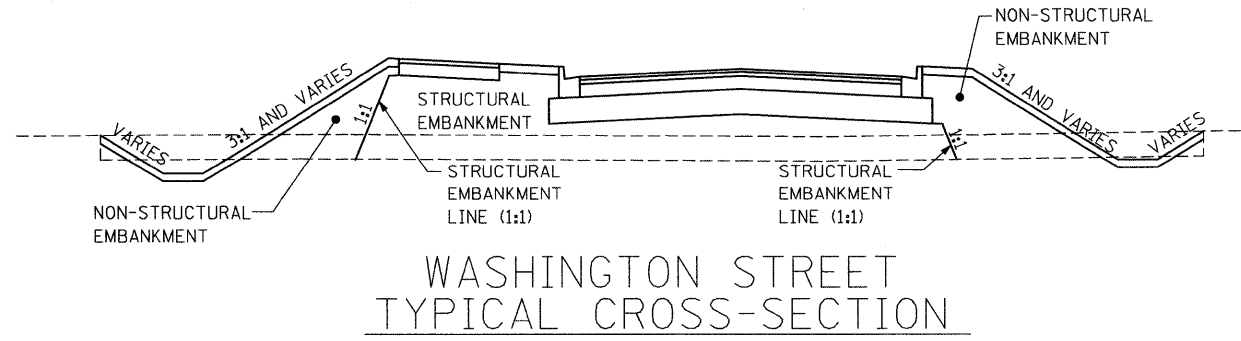
1.	SEEDING AND SODDING	SHEET NO. 10
2.	EARTHWORK	SHEET NO. 10
3.	TREE REMOVAL AND RELATED ITEMS	SHEET NO. 11
4.	EROSION CONTROL ITEMS	SHEET NO. 11
5.	FENCE AND RELATED ITEMS	SHEET NO. 12
6.	GUARDRAIL AND BARRIER WALL AND RELATED ITEMS	SHEET NO. 12
7.	CURB AND GUTTER AND RELATED ITEMS	SHEET NO. 13
8.	SIDEWALK AND RELATED ITEMS	SHEET NO. 13
9.	TEMPORARY PAVEMENT AND RELATED ITEMS	SHEET NO. 13
10.	AGGREGATE AND RELATED ITEMS	SHEET NO. 14
11.	PIPE UNDERDRAINS	SHEET NO. 14
12.	DRAINAGE REMOVAL AND ADJUSTMENT ITEMS	SHEET NO. 15
13.	PAVEMENT REMOVAL AND RELATED ITEMS	SHEET NO. 16
14.	HOT-MIX ASPHALT AND RELATED ITEMS	SHEET NO. 16
15.	PAVEMENT MARKING ITEMS	SHEET NO. 17
16.	TEMPORARY PAVEMENT MARKING ITEMS	SHEET NO. 18
17.	PAVEMENT MARKING REMOVAL	SHEET NO. 19
18.	RAISED REFLECTIVE PAVEMENT MARKERS	SHEET NO. 19

1. SCHEDULE OF SEEDING AND SODDING

FROM	TO	LT OR RT	25200110 SODDING SALT SQ YD	25000210 SEEDING CL 2A ACRE	25000314 SEEDING CL 4B ACRE	25100630 EROS CONT BLANKET SQ YD
WASHINGTON STREET						
131+00	137+00	LT	161	4390	841	5106
		RT		4157		9097
137+00	143+00	LT	322	13623	473	13967
		RT		9718		22157
143+00	149+00	LT	1259	12469		12341
		RT		17055		36891
149+00	155+00	LT	2652	12720		12558
		RT		13020		28819
155+00	161+00	LT	2387	6589	2568	9070
		RT		8748		8599
161+00	167+00	LT		6551	1626	8051
		RT		12131	253	12252
167+00	173+00	LT	2445	7499		7374
		RT		17312		17157
173+00	179+00	LT	858	7361		7131
		RT		15852		15707
179+00	10+00	LT	330	2042		1870
		RT		1695		1570
TOTAL SQ FT			10414	172932	5761	229725
TOTAL SQ YD			1157	19215	641	25525
TOTAL ACRE			0.24	3.97	0.13	
ITEM NO.	PAY ITEM	UNITS	CONVERSION			
25000400	NITROGEN FERT NUTR	POUND	90	LB/ACRE SEED		369.0
			60	LB/ACRE SOD		14.4
				TOTAL - POUND		383.4
25000600	POTASSIUM FERT NUTR	POUND	90	LB/ACRE SEED		369.0
			60	LB/ACRE SOD		14.4
				TOTAL - POUND		383.4
25200200	SUPPLE WATERING	UNIT	3 GAL/SQ. YD.	1000 GAL/UNIT - 15 WATERINGS		945

2. SCHEDULE OF EARTHWORK

FROM	TO	20200100 EARTH EXCAVATION (CU YD)		EXCAVATION TO BE USED IN EMBANKMENT (ADJ FOR 15% SHRINKAGE) (CU YD)		TOTAL REQUIRED FILL (CU YD)		EARTHWORK BALANCE EXCESS (+) SHORTAGE (-)		20700400 POROUS GRANULAR EMBANKMENT, SPECIAL (CU YD)	
		STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2
SUITABLE MATERIAL											
WASHINGTON STREET											
133+00	138+00	499	624	424	530	677	428	-253	+102	0	0
138+00	143+00	494	682	420	580	539	255	-119	+325	25	24
143+00	148+00	82	95	70	81	3,085	549	-3,015	-468	1	24
148+00	153+00	474	565	403	480	1,232	176	-829	+304	35	72
153+00	158+00	329	1,066	280	906	1,321	194	-1,041	+712	209	56
158+00	163+00	111	887	94	754	533	22	-439	+732	271	0
163+00	168+00	1,104	1,311	939	1,114	152	27	+787	+1,087	0	0
168+00	173+00	524	709	445	602	808	146	-363	+456	0	0
173+00	178+00	1,045	732	888	622	330	180	+558	+442	0	0
178+00	8+33.55	352	310	299	263	88	15	+211	+248	0	0
TRI-STATE PARKWAY											
15+42	18+00	537	0	456	0	12	0	+444	0	0	0
SIX FLAGS DRIVE											
1000+64	1000+21.69	50	0	43	0	0	0	+43	0	0	0
SUBTOTAL (SUITABLE)		5,601	6,981	4,761	5,932	8,777	1,992	-4,016	+3,940	541	176
UNSUITABLE MATERIAL											
WASHINGTON STREET											
133+00	138+00	290	218	-	-	-	-	-	-	-	-
138+00	143+00	473	357	-	-	-	-	-	-	-	-
143+00	148+00	769	415	-	-	-	-	-	-	-	-
148+00	153+00	634	465	-	-	-	-	-	-	-	-
153+00	158+00	955	215	-	-	-	-	-	-	-	-
158+00	163+00	1,857	2	-	-	-	-	-	-	-	-
163+00	168+00	930	35	-	-	-	-	-	-	-	-
168+00	173+00	486	88	-	-	-	-	-	-	-	-
173+00	178+00	153	131	-	-	-	-	-	-	-	-
178+00	8+33.55	28	26	-	-	-	-	-	-	-	-
TRI-STATE PARKWAY											
15+42	18+00	194	0	-	-	-	-	-	-	-	-
SIX FLAGS DRIVE											
1000+64	1000+21.69	0	0	-	-	-	-	-	-	-	-
UNDERCUT * (10% INCREASE IN QUANTITY IS REFLECTED IN STATION RANGE BREAKDOWN)											
133+00	138+00	0	0	-	-	-	-	-	-	-	-
138+00	143+00	25	24	-	-	-	-	-	-	-	-
143+00	148+00	1	24	-	-	-	-	-	-	-	-
148+00	153+00	35	72	-	-	-	-	-	-	-	-
153+00	158+00	209	56	-	-	-	-	-	-	-	-
158+00	163+00	271	0	-	-	-	-	-	-	-	-
163+00	168+00	0	0	-	-	-	-	-	-	-	-
168+00	173+00	0	0	-	-	-	-	-	-	-	-
173+00	178+00	0	0	-	-	-	-	-	-	-	-
178+00	8+33.55	0	0	-	-	-	-	-	-	-	-
SUBTOTAL (UNSUITABLE)		7,310	2,128	-	-	-	-	-	-	-	-
TOTAL (BY STAGE)		12,911	9,109	4,761	5,932	8,777	1,992	4,016	3,940	541	176
GRAND TOTAL		** 22,020		10,693		10,769				717	



SCHEDULE OF EARTHWORK NOTES:

- UNDERCUT AND POROUS GRANULAR EMBANKMENT, SPECIAL (20700400) QUANTITIES HAVE BEEN ESTIMATED BASED ON THE GEOTECHNICAL REPORT. ALL UNDERCUTS SHALL BE JUSTIFIED AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR UTILIZING A CONE PENETROMETER AND THE IDOT SUBGRADE STABILITY MANUAL. A 10% INCREASE IN QUANTITY HAS BEEN PROVIDED IN THE PLANS FOR UNDERCUT AND POROUS GRANULAR EMBANKMENT, SPECIAL (20700400) BASED ON UPDATED RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
- ** THE 3,943 CU YD OF SUITABLE EXPORT IS INCLUDED IN THE 22,020 CU YD OF OF EARTH EXCAVATION (20200100).
- *** BOTH STRUCTURAL AND NON-STRUCTURAL EMBANKMENT ARE INCLUDED IN THE QUANTITY FOR "TOTAL REQUIRED FILL"

20400800
FURNISHED EXCAVATION
**SUITABLE EXPORT

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USER NAME = Jeff Sedg
DESIGNED - SJP
DRAWN - SJP
CHECKED - KDN
DATE - 05/29/09
PLOT SCALE = 1:8000
PLOT DATE = 05/29/09

REVISOR -
REVISION -
REVISOR -
REVISION -



SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 1 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	10
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

3. SCHEDULE OF TREE REMOVAL AND RELATED ITEMS

FROM	TO	LT	OR	NO. TREES	20100110 TREE REMOV 6-15 UNIT	NO. TREES	20100210 TREE REMOV OVER 15 UNIT	20101100 TREE TRUNK PROTECTION EACH	20101200 TREE ROOT PRUNING EACH	20101300 TREE PRUN 1-10 EACH	20101350 TREE PRUN OVER 10 EACH	A2007120 T-QUERCUS RUBRA 2-1/2 EACH	D2003184 E-PSUEDO MENZI 7' EACH
WASHINGTON STREET													
131+00	137+00	LT		8	72	6	122					9	
		RT											
137+00	143+00	LT										10	
		RT		25	272			1					23
143+00	149+00	LT		1	7							16	
		RT		11	91	2	46						
149+00	155+00	LT		16	126							24	
		RT		14	110	2	66						
155+00	161+00	LT		4	34	1	20					5	
		RT				7	226						
161+00	167+00	LT		7	73	6	133					10	
		RT				1	21						
167+00	173+00	LT										13	
		RT						14					
173+00	179+00	LT										3	
		RT						1					
179+00	10+00	LT											
		RT											
TRI-STATE PARKWAY													
15+00	22+00			7	30								23
TOTAL				93	815	25	634	24	20	10	10	90	23

4. SCHEDULE OF EROSION CONTROL ITEMS

FROM	TO	LT	OR	28000400 PERIMETER EROS BAR FOOT	X2800105 TEMP DITCH CK UF/ GEO EACH	X2800500 INLET PROTECTION SPL EACH		28000250 TEMP EROS CONTR SEED POUND	28100705 STONE DUMP RIP CL A3 SQ YD	28200200 FILTER FABRIC SQ YD	25100800 EROSION CONTROL MAT SQ YD	
						STAGE 1	STAGE 2					
WASHINGTON STREET												
131+00	137+00	LT		331		6		12.38	7.7	7.7		
		RT		328		3	3	9.54				
137+00	143+00	LT		546		5		33.10	22.8	22.8		
		RT		499		1	2	22.31	22.8	22.8		
143+00	149+00	LT		603	6	3		31.52			116	
		RT		623			6	39.15	56.4	56.4		
149+00	155+00	LT		601		2		35.29				
		RT		564	2	4	6	29.89			98	
155+00	161+00	LT		550		6		26.50	144.6	144.6		
		RT		559	8	3	7	20.08	62	62		
161+00	167+00	LT		520		8		18.77	51.3	51.3		
		RT		411	4	3	10	28.43	17.2	17.2	134	
167+00	173+00	LT		603		2		22.83				
		RT		551	4		6	39.74				
173+00	179+00	LT		614		3		18.87	7.7	7.7		
		RT		565			7	36.39	15.4	15.4		
179+00	10+00	LT		109		2	2	5.44				
		RT		103			1	3.89				
TRI-STATE PARKWAY												
16+00	22+00	LT		43								
		RT		43								
TOTAL				8766	24	101		434	408	408	348	

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USER NAME = Jeff Sedg
 DESIGNED - SJP
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 CHECKED - KDN
 DATE - 05/29/09
 PLOT SCALE = 1:8000 "/>

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SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 2 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	11
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

5. SCHEDULE OF FENCE AND RELATED ITEMS

FROM	TO	64100120 SIGHT SCR N (WF) TP 8 FOOT	66400105 CH LK FENCE 4 FOOT	66410300 CH LK FENCE REMOV FOOT	66503400 BARB W FENCE REMOV FOOT	XX001758 WOOD FENCE REMOVAL FOOT	XX206400 MAILBOX POST EACH
WASHINGTON STREET							
131+00	137+00		298		298		1
137+00	143+00	354	188	59	365	59	1
143+00	149+00	47	471	130	518	130	
149+00	155+00						2
155+00	161+00						1
161+00	167+00						1
167+00	173+00						4
173+00	179+00						2
179+00	10+00						1
TRI-STATE PARKWAY							
16+00	20+00						
TOTALS		401	957	189	1181	189	13

6. SCHEDULE OF GUARDRAIL AND RELATED ITEMS

FROM	TO	63000000 SPBGR TY A FOOT	63200310 GUARDRAIL REMOV FOOT	78200400 GUARDRAIL REFLECTORS EACH	78201000 TERMINAL MARKER - DA EACH	70400100 TEMP CONC BARRIER FOOT	70400200 REL TEMP CONC BARRIER FOOT	78200100 MONODIR PRIS BAR REFL EACH	Z0030070 IMP ATTN SU NAR TL3 EACH	Z0030250 IMP ATTN TEMP NRD TL3 EACH	Z0030350 IMP ATTN REL NRD TL3 EACH	X03018520 F&I TB TERM T1 SP RAD EACH
WASHINGTON STREET												
131+00	137+00											
137+00	143+00											
143+00	149+00											
149+00	155+00											
155+00	161+00	385	839	16	1	475 (STAGE 1A)	385 (STAGE 2A)	48	1	1	1	1
161+00	167+00	205	430	8	1	220 (STAGE 1A)	94 (STAGE 2A)	22	1	1	1	1
167+00	173+00											
173+00	179+00											
179+00	10+00											
TRI-STATE PARKWAY												
16+00	20+00											
TOTALS		590	1269	24	2	695	479	70	2	2	2	2

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USER NAME = Jeff Sedig
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09
 PLOT SCALE = 1:8000' / IN.
 PLOT DATE = 05/29/09

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SCHEDULE OF QUANTITIES
 SCALE: SHEET NO. 3 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	12
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

7. SCHEDULE OF CURB & GUTTER AND RELATED ITEMS

FROM	TO	60603800 COMB CC&G TB6.12 FOOT	60605000 COMB CC&G TB6.24 FOOT	60608300 COMB CC&G TM2.12 FOOT	60619200 CONC MED TSB6.06 SQ FT	60624600 CORRUGATED MED SQ FT	44000500 COMB CURB GUTTER REM FOOT	44003100 MEDIAN REMOVAL SQ FT	44003800 MEDIAN SURF REMOVAL SQ FT
WASHINGTON STREET									
131+00	137+00		595						
137+00	143+00	16	1216		224	37	288		
143+00	149+00	50	1200				39		
149+00	155+00		1205						
155+00	161+00	196	1200						
161+00	167+00	373	1200				92	297	
167+00	173+00		1200		141	22	691	3739	
173+00	179+00	714	1229		492	186	1977	404	
179+00	10+00	151	170	694			1037	2548	8114
TRI-STATE PARKWAY									
16+00	20+00	16	26		1253	37		80	
TOTALS		1516	9241	694	2110	282	4513	7068	8114

8. SCHEDULE OF SIDEWALK AND RELATED ITEMS

FROM	TO	LT OR RT	42400100 PC CONC SIDEWALK 4 SQ FT	XX006652 STAMP CLRD PCC MED 4 SQ FT	42400800 DETECTABLE WARNINGS SQ FT
WASHINGTON STREET					
131+00	137+00	LT			
		RT			
137+00	143+00	LT	224		32
		RT	112		16
143+00	149+00	LT			
		RT			
149+00	155+00	LT			
		RT			
155+00	161+00	LT		960	
		RT			
161+00	167+00	LT		1755	
		RT			
167+00	173+00	LT			
		RT			
173+00	179+00	LT	336		48
		RT	224		32
179+00	10+00	LT			
		RT			
TRI-STATE PARKWAY					
16+00	20+00	LT			
		RT			
TOTAL SQUARE FEET			896	2715	128
TOTAL SQUARE YARDS					
TOTALS			896	2715	128

9. SCHEDULE OF TEMPORARY PAVEMENT AND RELATED ITEMS

FROM	TO	X0712400 TEMP PAVEMENT SQ YD	40600990 TEMP PAVEMENT RAMP SQ YD				40201100 AGGREGATE-TEMP ACCESS TON			
		PRE-STAGE	STAGE 1B	STAGE 1C	STAGE 2B	STAGE 2C	PRE-STAGE	STAGE 1A	STAGE 2A	STAGE 2C
WASHINGTON STREET										
127+75	141+00	1246			15	7		42		
141+00	156+00	2355	25	12	9	42	34		45	114
156+00	171+00	565							135	
171+00	10+00	1558	22	14	21	15			304	
TRI-STATE PARKWAY										
15+00	22+00	393	11	53	69					
STAGE TOTAL		6117	58	79	114	42	22	34	42	484
TOTAL		6117			315				674	

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USER NAME = Jeff Sedig
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

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SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 4 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	13
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

10. SCHEDULE OF AGGREGATE AND RELATED ITEMS

FROM	TO	LT OR RT	21001000 GEOTECH FAB F/GR STAB SQ YD				35100500 AGG BASE CSE A 6 SQ YD			Z0001050 AGG SUBGRADE 12 SQ YD		
			PAVEMENT AREA	MEDIAN AREA	CURB AREA	PAVEMENT/MEDIAN EDGE (1')	MULTI-USE PATH	MEDIAN/SHOULDER	DRIVEWAYS	PAVEMENT AREA	CURB AREA (4.58')	MEDIAN AREA (3.42')
WASHINGTON STREET												
131+00	137+00	LT	9155		1363	298	3051	178	438	8497	1396	
		RT	8932		1363	298		1183		8497	1396	
137+00	143+00	LT	25107		2822	616	5016			24672	2857	
		RT	18007		2748	600		2310	628	17569	2782	
143+00	149+00	LT	20823		2749	600	6252			20385	2782	
		RT	18007		2748	600		2393		17561	2782	
149+00	155+00	LT	17988		2743	599	6242			17550	2781	
		RT	18024		2753	601		2380	724	17586	2781	
155+00	161+00	LT	17609	319	2753	694	6852	453		17171	2780	319
		RT	17586	319	2743	692		3014	846	17148	2780	319
161+00	167+00	LT	17766	621	2748	782	7626	906	190	17330	2782	621
		RT	17767	621	2748	782		3424	791	17329	2781	621
167+00	173+00	LT	19195		2750	600	6259			18603	2783	
		RT	19220		2748	600		2354	1237	18772	2781	
173+00	179+00	LT	23274	1221	2952	1002	5283	2286		22354	2985	1221
		RT	16288	1222	2739	955		4574	1387	15850	2778	1222
179+00	10+00	LT	2417	245	329	144	1002	3100		2076	364	245
		RT	2417	244	449	169		2603	554	2004	483	244
TRI-STATE PARKWAY												
16+00	20+00	LT	2563		59	13				2111	92	
		RT	2533		59	13				1047	92	
TOTAL SQUARE FEET			294678	4813	42365	10658	47583	31158	6795	284112	43038	4813
TOTAL SQUARE YARDS			32742	535	4707	1184	5287	3461	755	31568	4782	535
TOTALS					39168			9503			37990	

11. SCHEDULE OF PIPE UNDERDRAINS

FROM	TO	60107800 PIPE UNDERDRAINS 8 FOOT		X6013600 PIPE UNDERDRAIN 4 MOD FOOT	
		WASHINGTON STREET			
130+00	140+00				1210
140+00	152+00				2368
152+00	164+00				2333
164+00	176+00	143			1924
176+00	10+00				789
TOTALS		143			8624

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USER NAME = Jeff Sedg
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09
 PLOT SCALE = 1:8000 @ 1/4" IN.
 PLOT DATE = 05/29/09

REVISED -
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SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 5 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	14
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

12. SCHEDULE OF DRAINAGE REMOVAL AND ADJUSTMENT ITEMS

FROM	TO	44004000 PAVED DITCH REMOVAL FOOT	55039700 SS CLEANED FOOT	50104400 CONC HDWL REM EACH	50105220 PIPE CULVERT REMOV FOOT	56400300 FIRE HYDNITS TO BE ADJ EACH	56400800 FIRE HYDNT & VAL MVD EACH	60255500 MAN ADJUST EACH	60260100 INLETS ADJUST EACH	60265700 VV ADJUST EACH	60266100 VV RECONST EACH
WASHINGTON STREET											
131+00	137+00				82		1				1
137+00	143+00				44						2
143+00	149+00				211	2					
149+00	155+00				323						
155+00	161+00			2	364		1			1	
156+85	156+85				66						
161+00	167+00			1	458		1				1
167+00	173+00				213	2					
173+00	179+00	45			15	1		1	2		2
179+00	10+00		100								
TRI-STATE PARKWAY											
16+00	20+00										
TOTALS		45	100	3	1776	5	3	1	2	1	6

12. SCHEDULE OF DRAINAGE REMOVAL AND ADJUSTMENT ITEMS CONTINUED

FROM	TO	60300205 FR & GRATES ADJUST SP EACH	60500060 REMOV INLETS EACH	X0321556 SANITARY MANHOLE ADJ EACH	60260050 SAN MAN RECONST EACH	LC600000 DRAIN STR TO BE CL&GR EACH	XX003503 FLARED END SEC REM EACH
WASHINGTON STREET							
131+00	137+00		1				
137+00	143+00						
143+00	149+00		4				
149+00	155+00		4	1	1		
155+00	161+00		1		1		1
161+00	167+00		6		1		
167+00	173+00		3				
173+00	179+00	1	3			1	
179+00	10+00	6				15	
TRI-STATE PARKWAY							
16+00	20+00	2				2	
TOTALS		9	22	1	3	18	1

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USER NAME = Monica Crimon
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 07/15/09
 PLOT SCALE = 1/8" = 1' IN.
 PLOT DATE = 07/15/09

REVISED -
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SCHEDULE OF QUANTITIES
 SCALE: SHEET NO. 6 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	15

CONTRACT NO. 63209
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

13. SCHEDULE OF PAVEMENT REMOVAL AND RELATED ITEMS

FROM	TO	LT	OR	40600982 HMA SURF REM BUTT JT SQ YD	44000100 PAVEMENT REM SQ YD	44000155 HMA SURF REM 1 1/2 SQ YD	44000200 DRIVE PAVEMENT REM SQ YD	44004250 PAVED SHLD REMOVAL SQ YD
WASHINGTON STREET								
131+00	137+00	LT		900	6578	1181	1166	115
		RT		900	6480	5981		112
137+00	143+00	LT			15930	2400		1147
		RT			10797	11979	2136	1202
143+00	149+00	LT			9135	499		505
		RT			8810	8175		520
149+00	155+00	LT			7055		740	
		RT			10061	9172	2043	
155+00	161+00	LT			253			
		RT			16625	14502	1420	
161+00	167+00	LT			684		865	
		RT			19335	16564	1493	191
167+00	173+00	LT			11890			157
		RT			16704	15932	2148	1936
173+00	179+00	LT		249	22785			5036
		RT		273	16675	16143	902	1917
179+00	10+00	LT			2515			765
		RT			2480	1701	682	102
TRI-STATE PARKWAY								
16+00	20+00	LT		454	742	3498		
		RT		455	741	3518		
TOTAL SQUARE FEET				3231	186275	111245	13595	13705
TOTAL SQUARE YARDS				359	20697	12361	1511	1523
TOTALS				359	20697	12361	1511	1523

14. SCHEDULE OF HMA AND RELATED ITEMS

FROM	TO	LT	OR	40603080 HMA BC IL-19.0 N50 TON	40603085 HMA BC IL-19.0 N70 TON	40603240 P HMA BC IL19.0 N90 TON	40603595 P HMA SC "F" N90 TON	40603335 HMA SC "D" N50 TON	40603340 HMA SC "D" N70 TON	40600100 BIT MATLS PR CT GALLON			
WASHINGTON STREET													
131+00	137+00	LT		3051	178	8497	8497	3051	438	178	1181		
		RT			1183	8497	8497			1183	5981		
137+00	143+00	LT		5016		24672	24672	5016			2400		
		RT			2310	17569	17569	628	2310	11979	17569		
143+00	149+00	LT		6252		20385	20385	6252			499		
		RT			2393	17561	17561			2393	17561		
149+00	155+00	LT		6242		17550	17550	6242			17550		
		RT			2380	17586	17586	410	2380	9172	17586		
155+00	161+00	LT		6852		17171	17171	6852			17171		
		RT			2561	17148	17148	358	2561	14502	17148		
161+00	167+00	LT		7626		17330	17330	7626			17330		
		RT			2518	17329	17329	791	2518	16564	17329		
167+00	173+00	LT		6259		18603	18603	6259			18603		
		RT			2354	18772	18772	1237	2354	15932	18772		
173+00	179+00	LT		5283		22354	22354	5283			22354		
		RT			4574	15850	15850	741	4574	16143	15850		
179+00	10+00	LT		1002		2076	2076	1002			2076		
		RT			2603	2004	2004	554	2603	1701	2004		
TRI-STATE PARKWAY													
16+00	20+00	LT			2111					3496	2111		
		RT			1047					3517	1047		
TOTAL SQUARE FEET				47583	28440	3158	280954	280954	47583	5157	28440	111242	
TOTAL SQUARE YARDS				5287	3160	351	31217	31217	5287	573	3160	284112	
112 LBS/SY/INCH CONV.				112	112	112	112	112	112	112	112	31568	
APP. RATE (GAL/SQ YD)											0.1	0.1	
LIFT THICKNESS (INCHES)				2	2.5	10.5	10.5	1.5	2	2.5	1.5	1.5	
GALLONS												3156	
TONS (LBS/2000)				592	442	206	18356	2622	592	81	266	1038	
TOTALS				1034	206				938			1068	5237

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CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 084-000615

USER NAME = Jeff Sedig	DESIGNED - SJP	REVISED -
PLOT SCALE = 1:0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -

 **Lake County**
Division of Transportation

SCHEDULE OF QUANTITIES

SCALE:	SHEET NO. 7 OF 10 SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	16
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

15. SCHEDULE OF PAVEMENT MARKINGS

FROM	TO	TYPE OF MARKING	78000100 THPL PVT MK LTR & SYM SQ FT	78000200 THPL PVT MK LINE 4 FOOT	78000300 THPL PVT MK LINE 5 FOOT	78000400 THPL PVT MK LINE 6 FOOT	78000600 THPL PVT MK LINE 12 FOOT	78000650 THPL PVT MK LINE 24 FOOT	78008210 POLYUREA PM T1 LN 4 FOOT
WASHINGTON STREET									
			WHITE	WHITE/YELLOW 4"	WHITE 5"	WHITE 6"	WHITE/YELLOW 12"	WHITE/YELLOW 24"	WHITE/YELLOW 4"
127+75	137+00	DOUBLE YELLOW		3700					
		SOLID YELLOW					243		
		SOLID WHITE			1850	386			
		SKIP-DASH		539					
		LETTERS&SYMBOLS							
		CROSSWALK							
		STOP BARS							
137+00	143+00	DOUBLE YELLOW		1332					
		SOLID YELLOW		77			41		
		SOLID WHITE			1327	120			
		SKIP-DASH		340					
		LETTERS&SYMBOLS	109						
		CROSSWALK					423		
		STOP BARS						117	
143+00	149+00	DOUBLE YELLOW		2400					
		SOLID YELLOW					153		
		SOLID WHITE			1250				
		SKIP-DASH		450					
		LETTERS&SYMBOLS	36						
		CROSSWALK							
		STOP BARS							
149+00	155+00	DOUBLE YELLOW		2400					
		SOLID YELLOW					127		
		SOLID WHITE			1250				
		SKIP-DASH		450					
		LETTERS&SYMBOLS							
		CROSSWALK							
		STOP BARS							
155+00	161+00	DOUBLE YELLOW		2001					
		SOLID YELLOW		201			99		
		SOLID WHITE			1250				
		SKIP-DASH		451					
		LETTERS&SYMBOLS							
		CROSSWALK							
		STOP BARS							
161+00	167+00	DOUBLE YELLOW		1685					
		SOLID YELLOW		360			92		
		SOLID WHITE			1250				
		SKIP-DASH		408					
		LETTERS&SYMBOLS							
		CROSSWALK							
		STOP BARS							
167+00	173+00	DOUBLE YELLOW		2239					
		SOLID YELLOW		124			188		
		SOLID WHITE			1250	31			
		SKIP-DASH		437					
		LETTERS&SYMBOLS	36						
		CROSSWALK							
		STOP BARS							
173+00	179+00	DOUBLE YELLOW		1009					
		SOLID YELLOW							
		SOLID WHITE			1250	335			
		SKIP-DASH		352					
		LETTERS&SYMBOLS	68						
		CROSSWALK					380		
		STOP BARS						101	
179+00	10+00	DOUBLE YELLOW							703
		SOLID YELLOW							
		SOLID WHITE			171				
		SKIP-DASH		37					239
		LETTERS&SYMBOLS							
		CROSSWALK							
		STOP BARS							
TRI-STATE PARKWAY									
			WHITE	WHITE/YELLOW 4"	WHITE 5"	WHITE 6"	WHITE/YELLOW 12"	WHITE/YELLOW 24"	WHITE/YELLOW 4"
16+00	20+00	DOUBLE YELLOW	99						
		SOLID YELLOW		400					
		SOLID WHITE			26	224			
		SKIP-DASH							
		LETTERS&SYMBOLS							
		CROSSWALK							
		STOP BARS							
TOTALS			348	21392	10874	1096	1746	218	942

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USER NAME = Jeff Sedig
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

REVISED -
 REVISED -
 REVISED -
 REVISED -



SCHEDULE OF QUANTITIES
 SCALE: SHEET NO. 8 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	17
CONTRACT NO. 63209				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

16. SCHEDULE OF TEMPORARY PAVEMENT MARKING - PAINT AND TAPE

FROM	TO	STAGE	70300210 TEMP PVT MK LTR & SYM SQ FT	70300220 TEMP PVT MK LINE 4 FOOT	70300240 TEMP PVT MK LINE 6 FOOT	70300260 TEMP PVT MK LINE 12 FOOT	70300280 TEMP PVT MK LINE 24 FOOT	70300520 PAVT MARK TAPE T3 4 FOOT	70300560 PAVT MARK TAPE T3 12 FOOT
WASHINGTON STREET									
			WHITE	WHITE/YELLOW 4"	WHITE 6"	WHITE/YELLOW 12"	WHITE 24"	WHITE/YELLOW 4"	WHITE/YELLOW 12"
127+75	141+00	PRE-STAGE						627	
		STAGE 1A	73				24	3615	410
		STAGE 1B							
		STAGE 1C							
		STAGE 2A	36				48	1793	701
		STAGE 2B	36				24		
		STAGE 2C	73				22	1782	
141+00	156+00	PRE-STAGE	16						
		STAGE 1A	26				12		
		STAGE 1B	26				12		
		STAGE 1C							
		STAGE 2A	73						
		STAGE 2B	36				29		
		STAGE 2C	36				25		
156+00	171+00	PRE-STAGE							
		STAGE 1A							
		STAGE 1B							
		STAGE 1C							
		STAGE 2A							
		STAGE 2B							
		STAGE 2C							
171+00	10+90	PRE-STAGE						1801	469
		STAGE 1A	78				37	2233	212
		STAGE 1B	26				12	186	
		STAGE 1C	26				11	81	
		STAGE 2A	88				62	1564	140
		STAGE 2B							
		STAGE 2C	109				36	1572	494
TRI-STATE PARKWAY									
			WHITE	WHITE/YELLOW 4"	WHITE 6"	WHITE/YELLOW 12"	WHITE 24"	WHITE/YELLOW 4"	WHITE/YELLOW 12"
15+00	22+00	PRE-STAGE	47				39	400	
		STAGE 1A	26				17	382	
		STAGE 1B						1114	
		STAGE 1C	26				12	625	
		STAGE 2A	146				40		
		STAGE 2B	73						
		STAGE 2C	73						
		STAGE TOTALS	63				39	2828	469
		STAGE 1A	203				90	6230	622
		STAGE 1B	52				24	1300	0
		STAGE 1C	52				23	706	0
		STAGE 2A	343				150	3357	841
		STAGE 2B	145				53	0	0
		STAGE 2C	291				83	3354	494
TOTALS			1149	62790	2391	8265	462	17775	2426

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 PLOT SCALE = 1:20000 ' / IN.
 PLOT DATE = 05/29/09

DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

REVISED -
 REVISED -
 REVISED -
 REVISED -



SCHEDULE OF QUANTITIES
 SCALE: SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	18
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

17. SCHEDULE OF PAVEMENT MARKING REMOVAL

FROM	TO	TYPE OF MARKING	78300100 PAVT MARKING REMOVAL SQ FT	70301000 WORK ZONE PAVT MK REM SQ FT					
WASHINGTON STREET				STAGE 1A	STAGE 1B	STAGE 1C	STAGE 2A	STAGE 2B	STAGE 2C
127+75	141+00	4" REMOVAL	997				919		617
		5" REMOVAL	507						
		6" REMOVAL							
		12" REMOVAL							1304
		24" REMOVAL					48		
		LETTERS&SYMBOLS							
141+00	156+00	4" REMOVAL		87	16	112	1402	149	427
		5" REMOVAL							
		6" REMOVAL						31	4
		12" REMOVAL					32	175	831
		24" REMOVAL		77	24		24	96	58
		LETTERS&SYMBOLS					62	73	
156+00	171+00	4" REMOVAL		27					369
		5" REMOVAL							
		6" REMOVAL							
		12" REMOVAL							
		24" REMOVAL		35					
		LETTERS&SYMBOLS							
171+00	10+90	4" REMOVAL	181	584	35	73	1011		563
		5" REMOVAL							
		6" REMOVAL	38						
		12" REMOVAL		547			219		
		24" REMOVAL	50		24		22		24
		LETTERS&SYMBOLS			52		26		26
TRI-STATE PARKWAY				STAGE 1A	STAGE 1B	STAGE 1C	STAGE 2A	STAGE 2B	STAGE 2C
15+00	22+00	4" REMOVAL		135	190	291	849		50
		5" REMOVAL							
		6" REMOVAL	125					75	75
		12" REMOVAL							109
		24" REMOVAL	44				24		
		LETTERS&SYMBOLS					26	73	73
TOTAL PER STAGE				1492	341	476	4664	672	4530
TOTAL REMOVAL			1942	12175					

18. SCHEDULE OF RAISED REFLECTIVE PAVEMENT MARKERS

FROM	TO	78100100 RAISED REFL PAVT MKR EACH	78300200 RAISED REF PVT MK REM EACH
WASHINGTON STREET			
		TYPE	
		ONE-WAY CRYSTAL	TWO-WAY AMBER
131+00	137+00	31	4
137+00	143+00	39	24
143+00	149+00	33	4
149+00	155+00	31	
155+00	161+00	31	
161+00	167+00	31	
167+00	173+00	31	9
173+00	179+00	39	
179+00	10+00	31	
TRI-STATE PARKWAY			
16+00	20+00		
SUB-TOTAL		297	41
TOTAL		338	20

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USER NAME = Jeff Sedig
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
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 PLOT DATE = 05/29/09

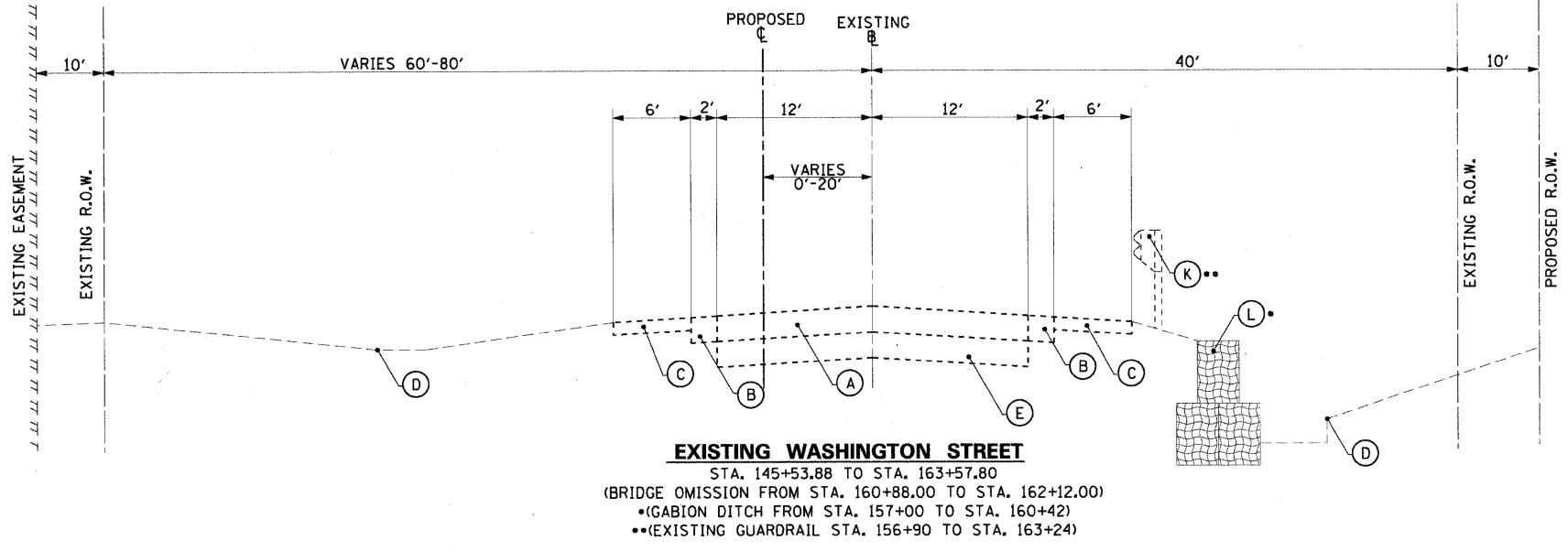
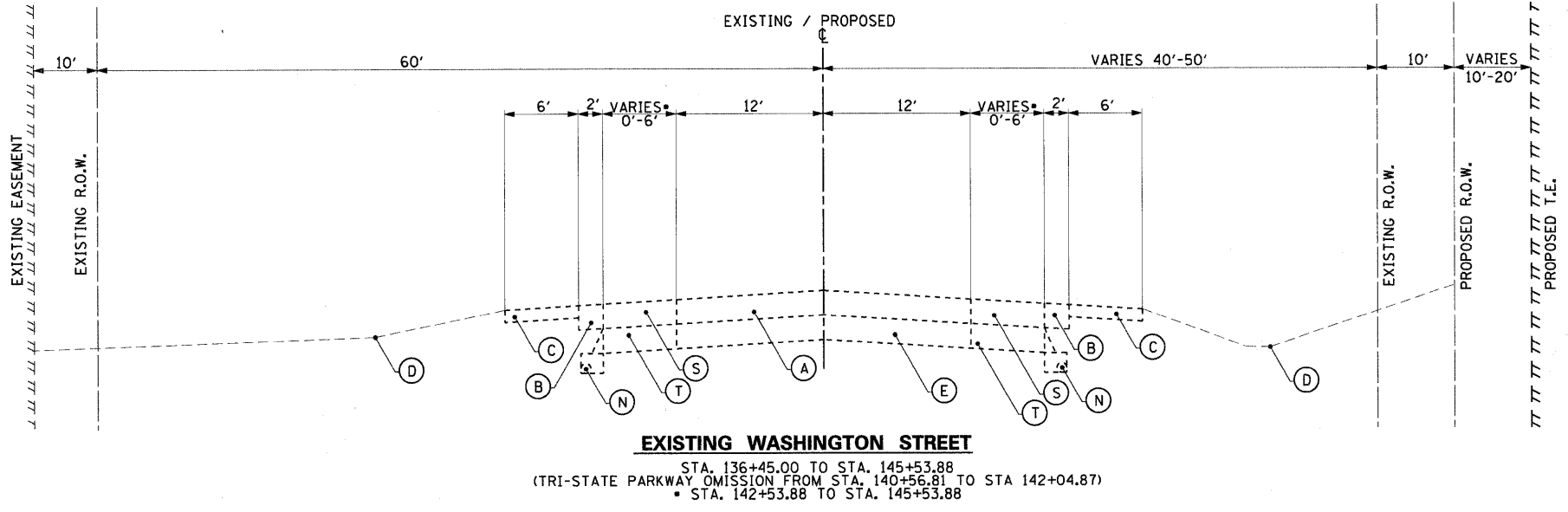
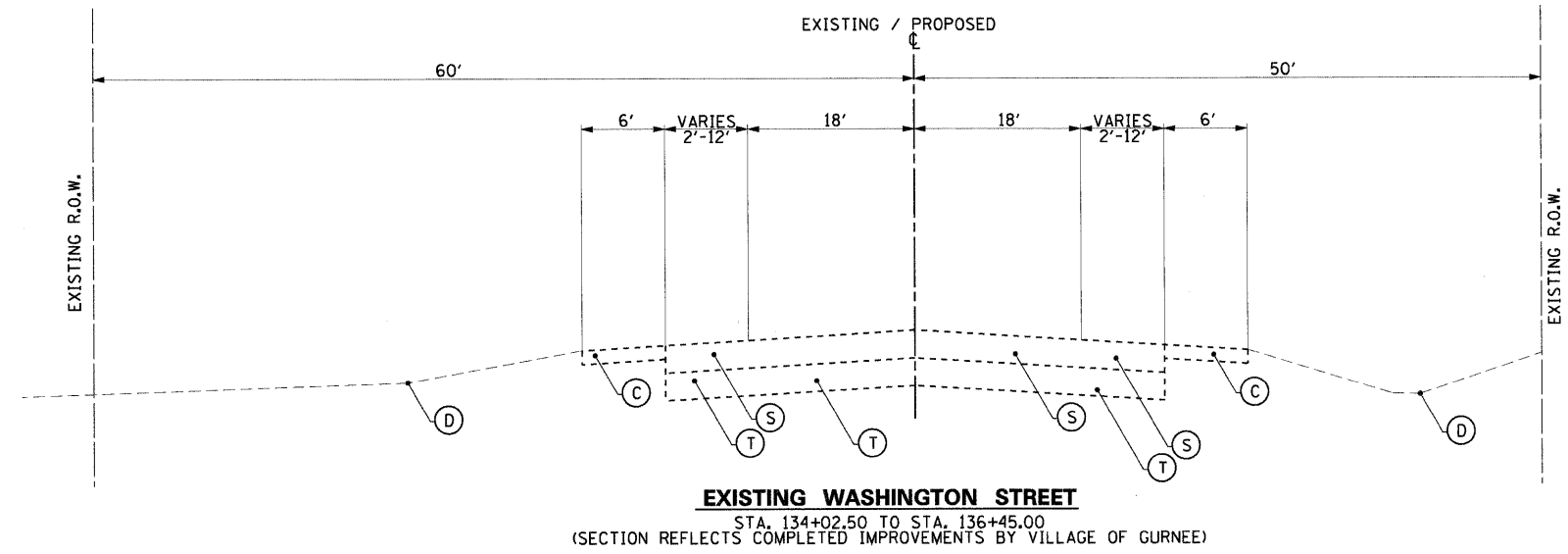
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SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 10 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	19
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- (A) EXISTING ASPHALT PAVEMENT 10"
- (B) EXISTING ASPHALT SHOULDER 4"
- (C) EXISTING AGGREGATE SHOULDER 4"
- (D) EXISTING TURF AREA
- (E) EXISTING AGGREGATE BASE COURSE 10"
- (F) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (J) EXISTING ASPHALT MULTI-USE PATH
- (K) EXISTING GUARDRAIL
- (L) EXISTING RETAINING WALL
- (M) EXISTING BRIDGE PIER
- (N) EXISTING 4" PIPE UNDERDRAIN
- (P) EXISTING CONCRETE MEDIAN
- (R) EXISTING TURF MEDIAN
- (S) EXISTING ASPHALT PAVEMENT 12"
- (T) EXISTING AGGREGATE BASE COURSE 12"

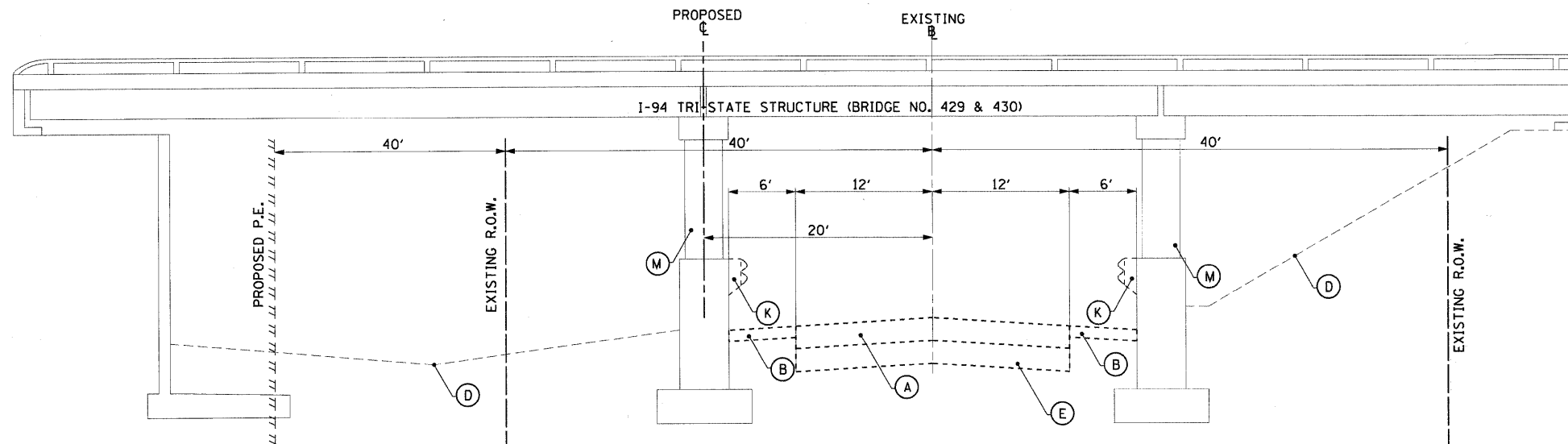
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CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00063	USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
	PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
	PLOT DATE = 06/29/09	CHECKED - KDN	REVISED -
		DATE - 05/29/09	REVISED -

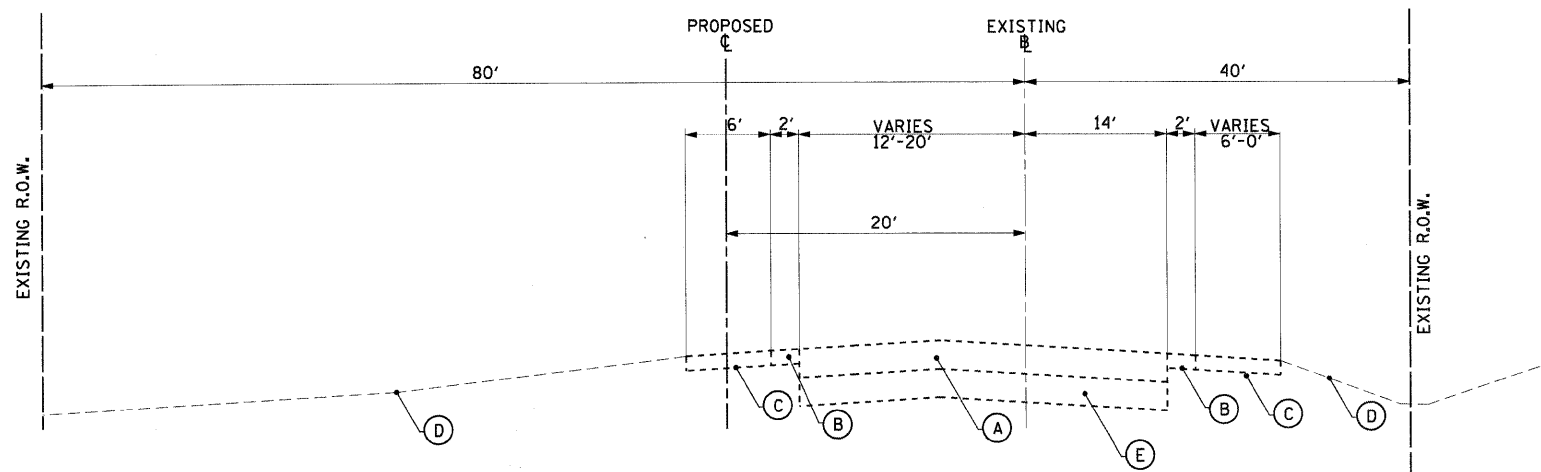


EXISTING TYPICAL SECTION			
SCALE: N.T.S.	SHEET NO. 1 OF 3 SHEETS	STA. N/A TO STA. N/A	

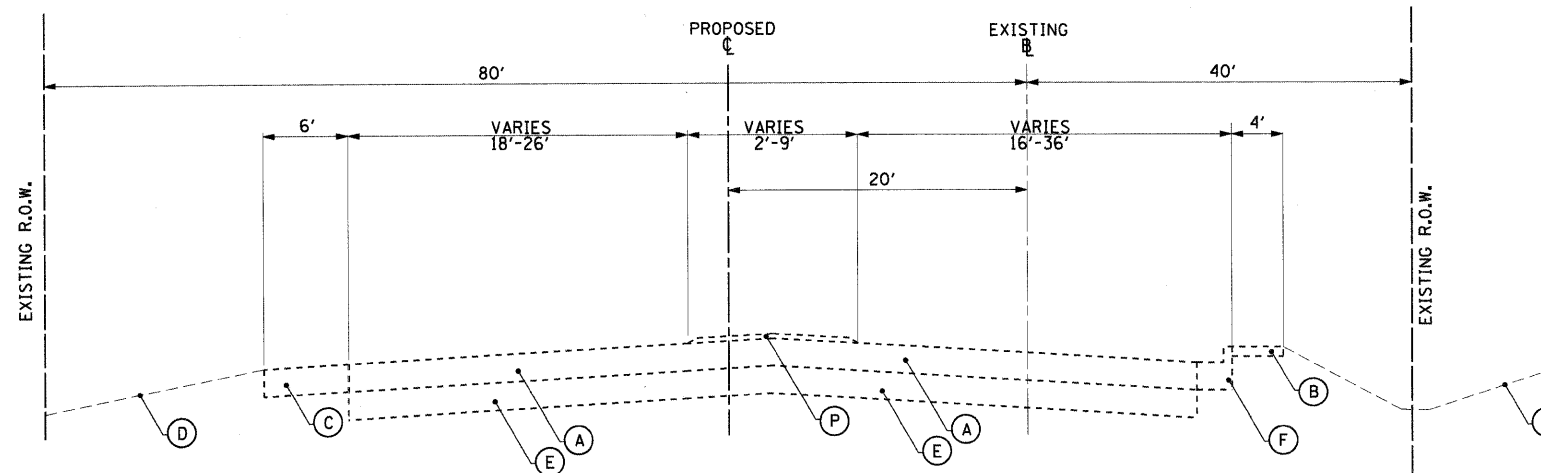
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1016	02-00110-12-WR	LAKE	206	20
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING WASHINGTON STREET (UNDER I-94 TRI-STATE OVERPASS)
 STA. 160+88.00 TO STA. 162+12.00
 (SECTION REFLECTS BRIDGE PRIOR TO IMPROVEMENTS BY THE ILLINOIS TOLLWAY)



EXISTING WASHINGTON STREET
 STA. 163+57.80 TO STA. 165+87.28

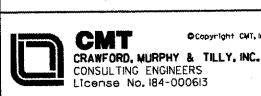


EXISTING WASHINGTON STREET
 STA. 165+87.28 TO STA. 172+77.78

LEGEND

- (A) EXISTING ASPHALT PAVEMENT 10"
- (B) EXISTING ASPHALT SHOULDER 4"
- (C) EXISTING AGGREGATE SHOULDER 4"
- (D) EXISTING TURF AREA
- (E) EXISTING AGGREGATE BASE COURSE 10"
- (F) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (J) EXISTING ASPHALT MULTI-USE PATH
- (K) EXISTING GUARDRAIL
- (L) EXISTING RETAINING WALL
- (M) EXISTING BRIDGE PIER
- (N) EXISTING 4" PIPE UNDERDRAIN
- (P) EXISTING CONCRETE MEDIAN
- (R) EXISTING TURF MEDIAN

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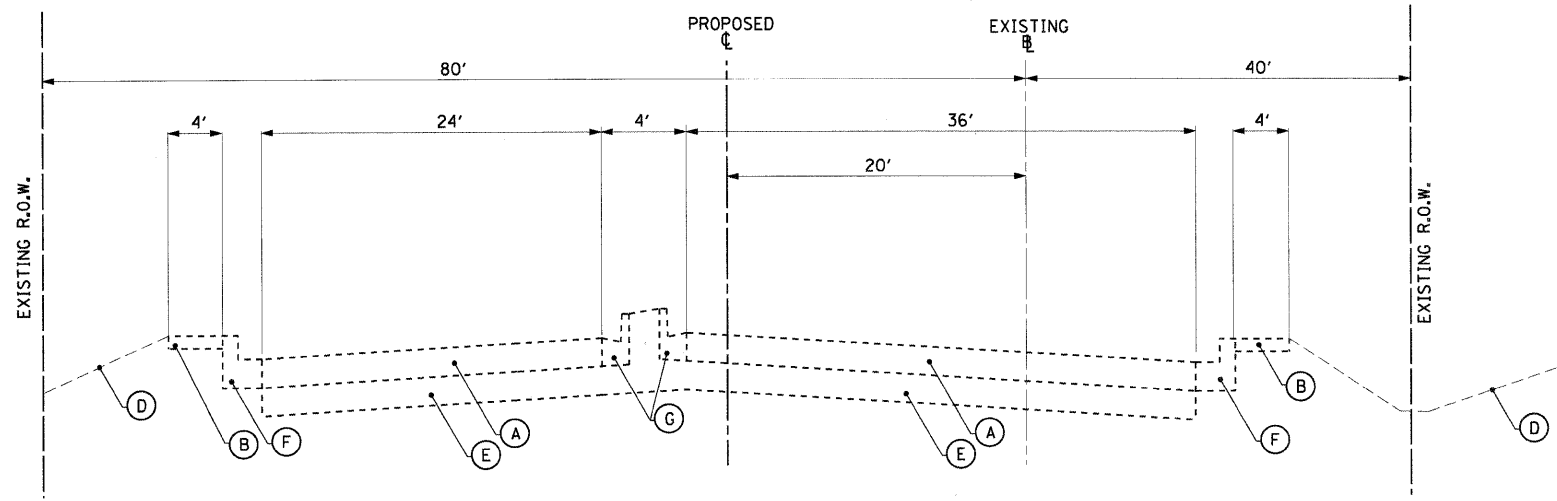


USER NAME = Menice Crinson	DESIGNED - SJP	REVISED -
	DRAWN - SJP	REVISED -
PLOT SCALE = 28,0000 "/> <td>CHECKED - KDN</td> <td>REVISED -</td>	CHECKED - KDN	REVISED -
PLCT DATE = 07/15/09	DATE - 07/15/09	REVISED -

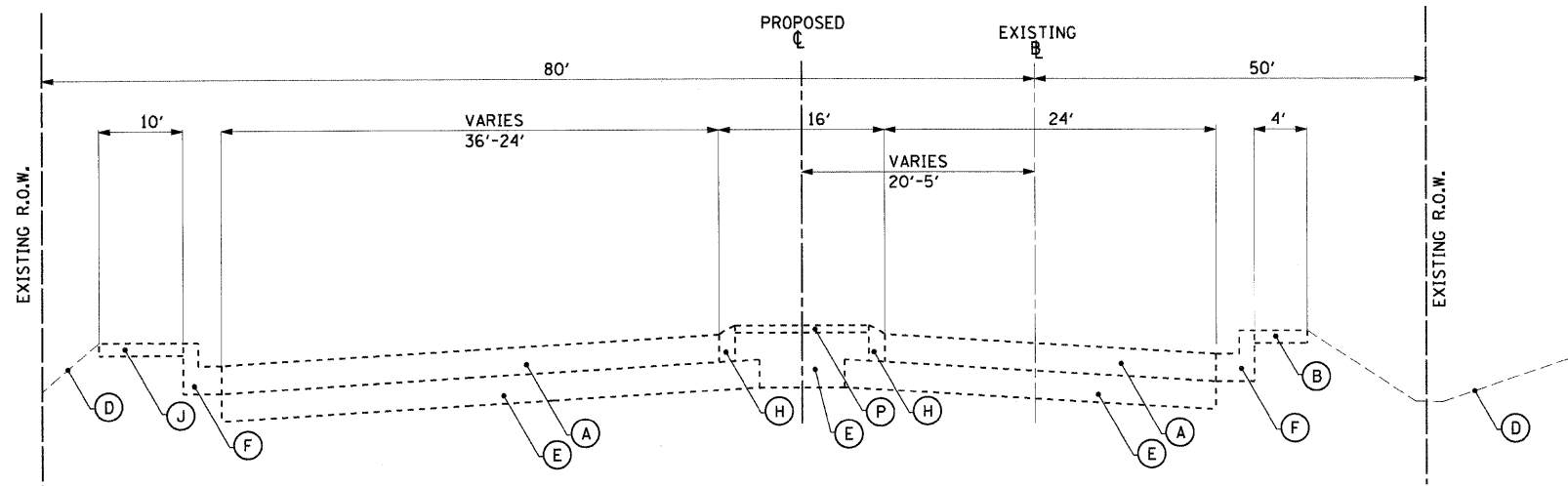


EXISTING TYPICAL SECTION	
SCALE: N.T.S.	SHEET NO. 2 OF 3 SHEETS
STA. N/A	TO STA. N/A

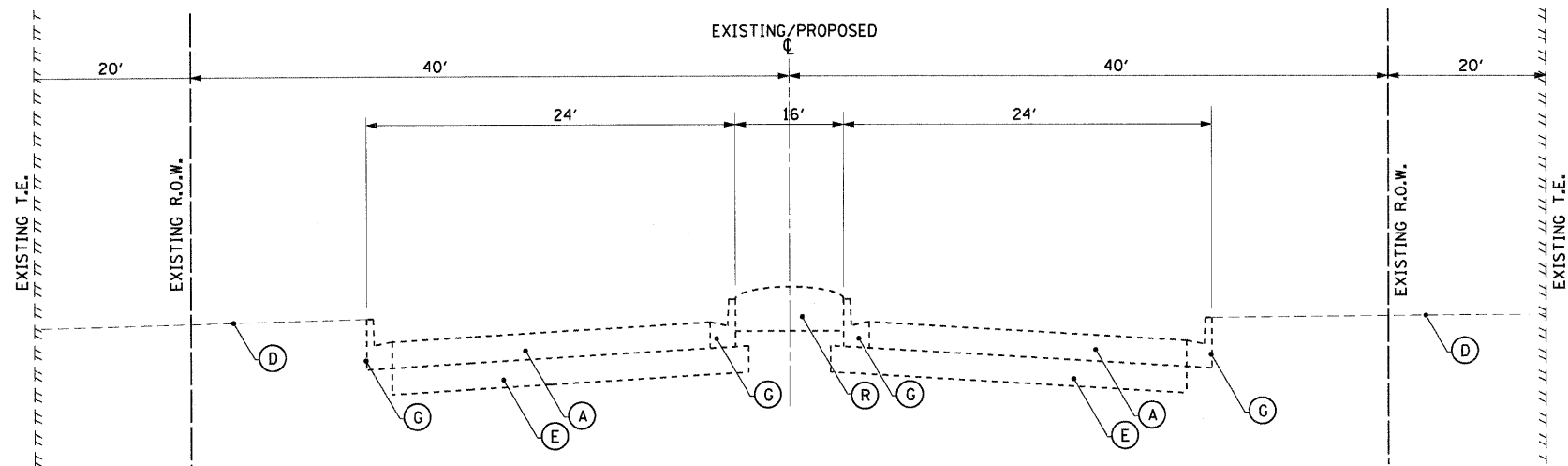
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	21
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING WASHINGTON STREET
 STA. 172+77.78 TO STA. 174+28.52
 (SIX-FLAGS DRIVE OMISSION FROM STA. 174+28.52 TO STA. 175+26.81)



EXISTING WASHINGTON STREET
 STA. 175+26.81 TO STA. 179+71.54



EXISTING TRI-STATE PARKWAY
 STA. 15+49.42 TO STA. 18+90.00

- LEGEND**
- (A) EXISTING ASPHALT PAVEMENT 10"
 - (B) EXISTING ASPHALT SHOULDER 4"
 - (C) EXISTING AGGREGATE SHOULDER 4"
 - (D) EXISTING TURF AREA
 - (E) EXISTING AGGREGATE BASE COURSE 10"
 - (F) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (H) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
 - (J) EXISTING ASPHALT MULTI-USE PATH
 - (K) EXISTING GUARDRAIL
 - (L) EXISTING RETAINING WALL
 - (M) EXISTING BRIDGE PIER
 - (N) EXISTING 4" PIPE UNDERDRAIN
 - (P) EXISTING CONCRETE MEDIAN
 - (R) EXISTING TURF MEDIAN

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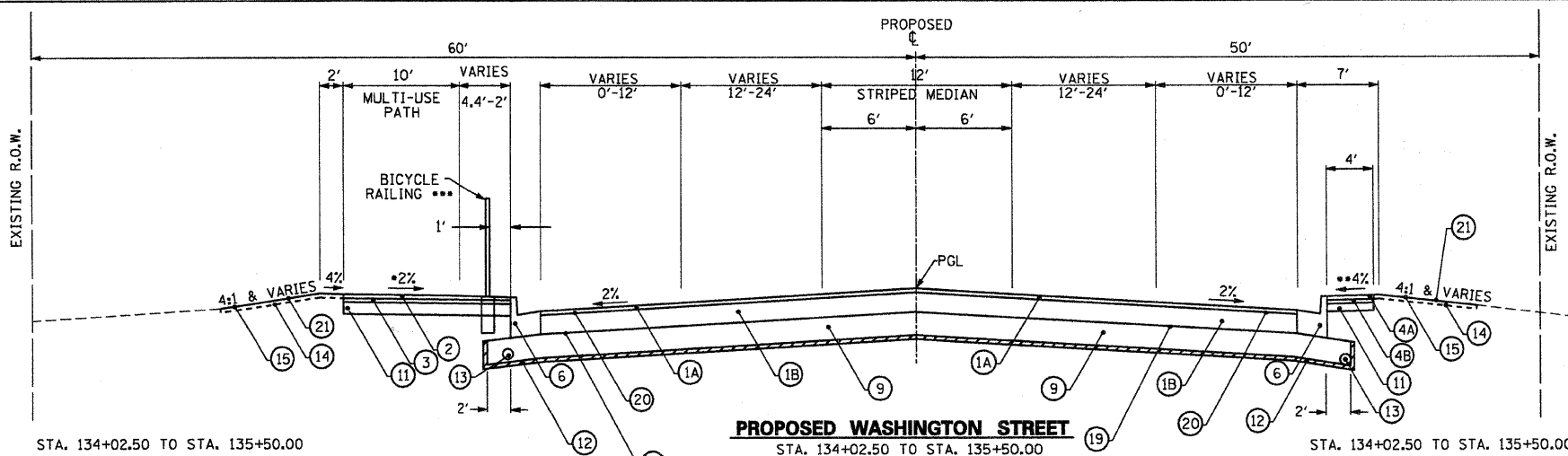


USER NAME = Manish Chinn	DESIGNED - SJP	REVISED -
PLOT SCALE = 20,000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -



EXISTING TYPICAL SECTION	
SCALE: N.T.S.	SHEET NO. 3 OF 3 SHEETS
STA. N/A	TO STA. N/A

F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 22
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

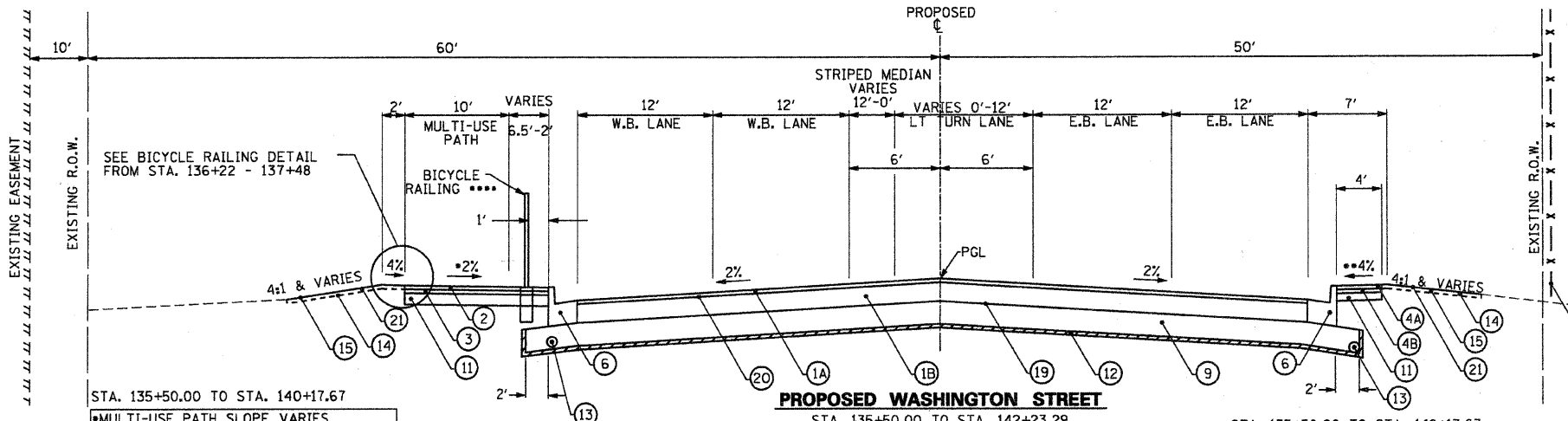


STA. 134+02.50 TO STA. 135+50.00

MULTI-USE PATH SLOPE VARIES		
STA.	STA.	SLOPE
134+50.00	135+00.00	2% TO 0%
135+00.00	135+50.00	0% TO -2%

STA. 134+02.50 TO STA. 135+50.00

SHOULDER SLOPE VARIES		
STA.	STA.	SLOPE
134+50.00	135+00.00	4% TO 0%
135+00.00	135+50.00	0% TO -4%

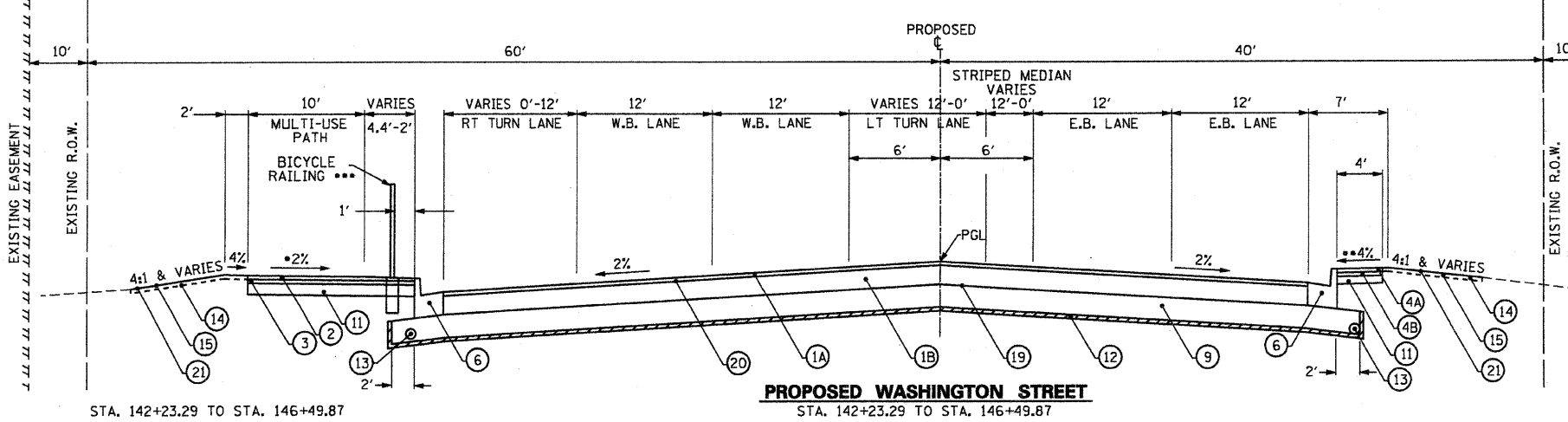


STA. 135+50.00 TO STA. 140+17.67

MULTI-USE PATH SLOPE VARIES		
STA.	STA.	SLOPE
137+00.00	138+00.00	-2% TO 0%
138+00.00	139+00.00	0% TO 2%

STA. 135+50.00 TO STA. 140+17.67

SHOULDER SLOPE VARIES		
STA.	STA.	SLOPE
139+00.00	140+17.67	-4% TO 4%



STA. 142+23.29 TO STA. 146+49.87

MULTI-USE PATH SLOPE VARIES		
STA.	STA.	SLOPE
142+00.00	142+50.00	2% TO -2%

LEGEND

- (1A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F, N90, 1-1/2"
- (1B) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90, 10-1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2"
- (4) HOT-MIX ASPHALT SHOULDER, 4"
- (4A) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1-1/2"
- (4B) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2-1/2"
- (5) CONCRETE MEDIAN, TYPE SB-6.06
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (8) FULL DEPTH SAW CUT
- (9) AGGREGATE SUBGRADE, 12"
- (10) STAMPED COLORED PCC MEDIAN SURFACE, 4 INCH (SPECIAL)
- (11) AGGREGATE BASE COURSE, TYPE A, 6"
- (12) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (13) PIPE UNDERDRAINS, 4" (MODIFIED)
- (14) FURNISHING AND PLACING TOPSOIL, 4"
- (15) SEEDING, CLASS 2A
- (16) STEEL PLATE BEAM GUARDRAIL, TYPE A
- (17) CAST-IN-PLACE CONCRETE WALL (BY OTHERS)
- (18) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (19) AGGREGATE PRIME COAT
- (20) BITUMINOUS PRIME COAT
- (21) EROSION CONTROL BLANKET

NOTES

1. MINIMUM LIFT THICKNESS FOR POLYMERIZED HOT-MIX ASPHALT IS 1-3/4"
2. THE CONTRACTOR SHALL OBTAIN RIGHT OF ENTRY FROM PROPERTY OWNER PRIOR TO INSTALLATION OF THE PROPOSED FENCE WHERE A TEMPORARY EASEMENT IS NOT SHOWN.
3. SEAL ALL LONGITUDINAL JOINTS BETWEEN CC&G AND PAVEMENT FOR SHOULDERS & PATH SHALL BE SEALED IN ACCORDANCE WITH ITEMS FOR "BACKER MATERIAL", "CRACK ROUTING", & "CRACK FILLING"
4. PGL - PROFILE GRADE LINE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

• WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

MIXTURE TYPE	AC TYPE	AIR VOIDS
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	SBS/SBR PG 70-22	4% @ 90 GYRATIONS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	PG 64-22	4% @ 50 GYRATIONS
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	PG 64-22	4% @ 50 GYRATIONS
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	SBS/SBR PG 70-22	4% @ 90 GYRATIONS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PG 64-22	4% @ 70 GYRATIONS
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22	4% @ 70 GYRATIONS
TEMPORARY PAVEMENT TEMP PAVEMENT (HMA BINDER IL-19 mm)	PG 64-22	4% @ 50 GYRATIONS

STA. 142+23.29 TO STA. 146+49.87

SHOULDER SLOPE VARIES		
STA.	STA.	SLOPE
142+50.00	143+00.00	4% TO 0%
143+00.00	143+50.00	0% TO -4%
145+00.00	145+50.00	-4% TO 0%
145+50.00	146+00.00	0% TO 4%

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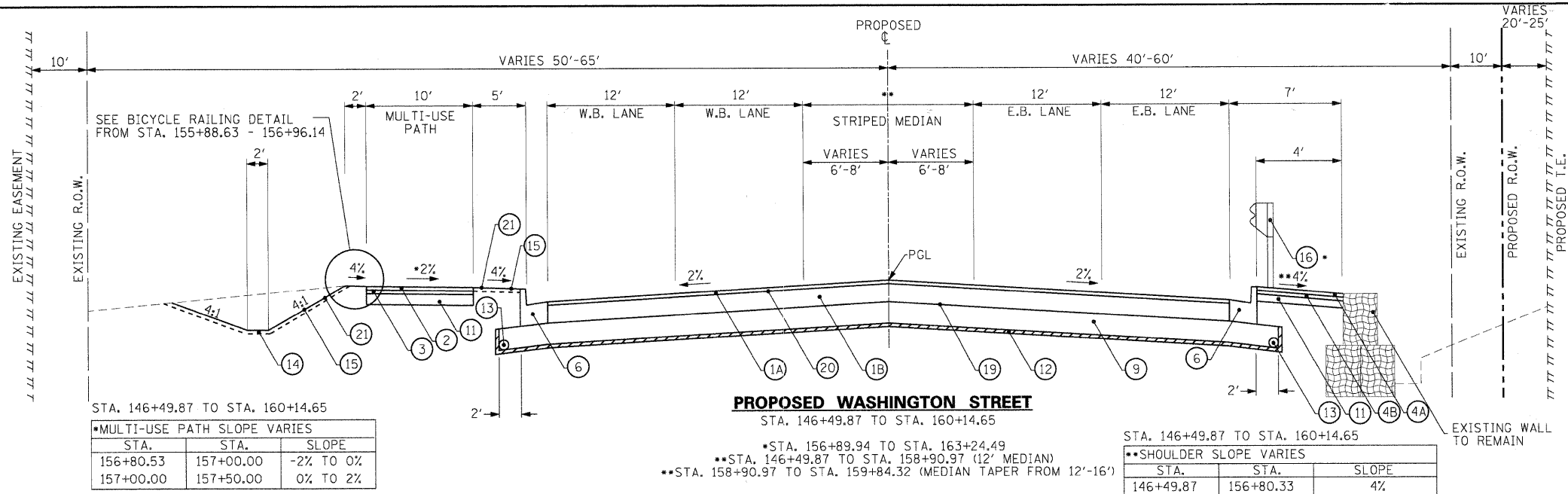
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PLOT SCALE = 48.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



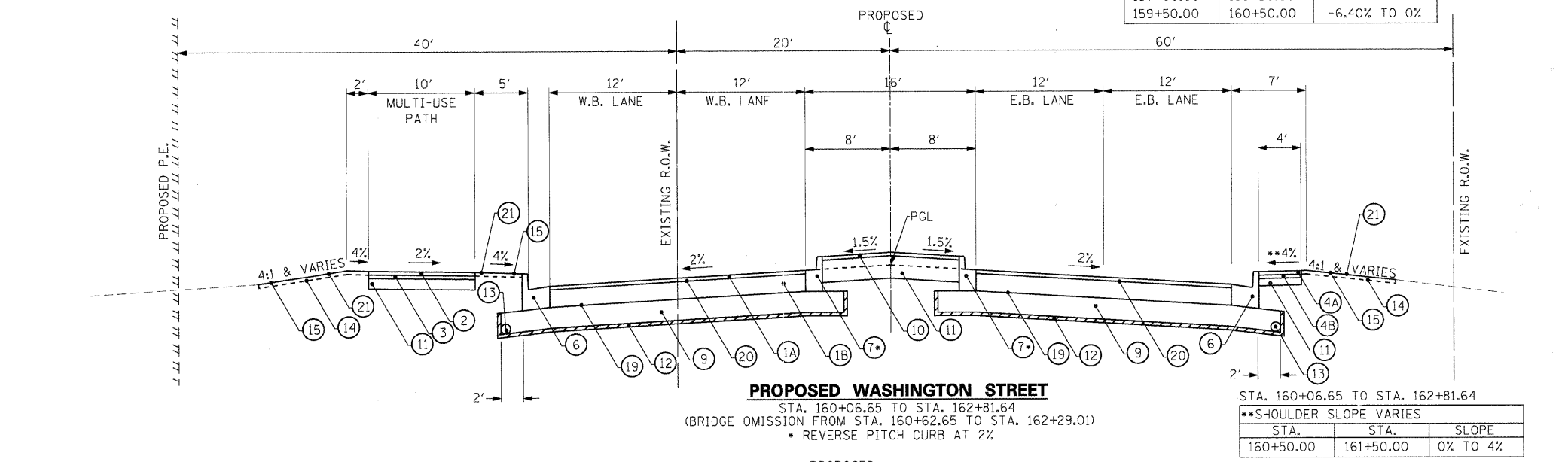
PROPOSED TYPICAL SECTION

SCALE: NTS SHEET NO. 1 OF 4 SHEETS STA. N/A TO STA. N/A

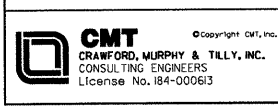
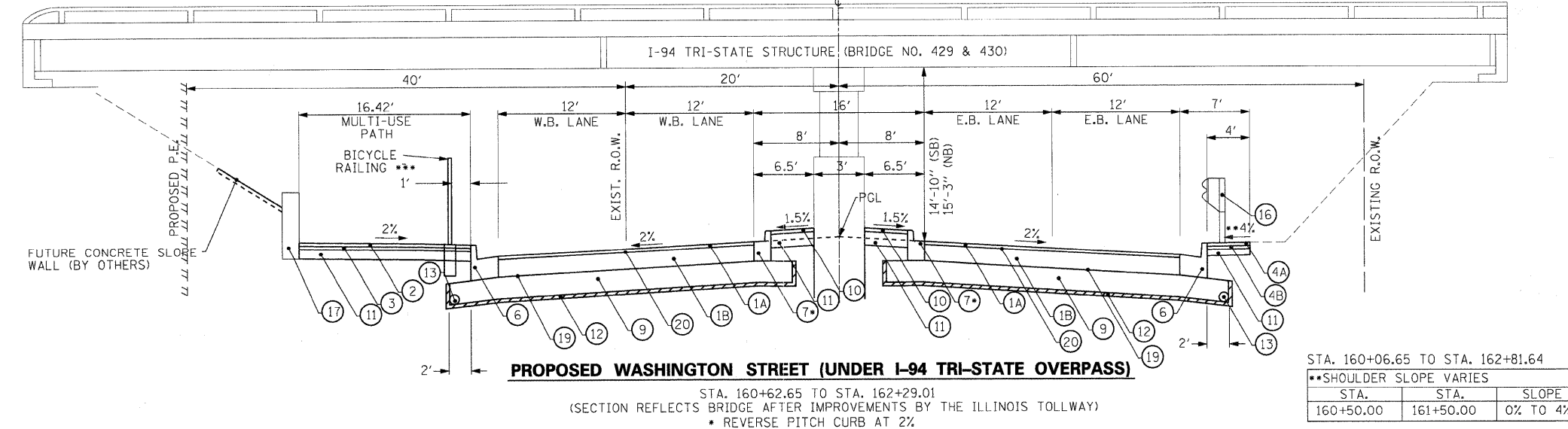
F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 23
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
- ①A POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F, N90, 1-1/2"
 - ①B POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90, 10-1/2"
 - ② HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2"
 - ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2"
 - ④ HOT-MIX ASPHALT SHOULDER, 4"
 - ④A HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1-1/2"
 - ④B HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2-1/2"
 - ⑤ CONCRETE MEDIAN, TYPE SB-6.06
 - ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ⑧ FULL DEPTH SAW CUT
 - ⑨ AGGREGATE SUBGRADE, 12"
 - ⑩ STAMPED COLORED PCC MEDIAN SURFACE, 4 INCH (SPECIAL)
 - ⑪ AGGREGATE BASE COURSE, TYPE A, 6"
 - ⑫ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - ⑬ PIPE UNDERDRAINS, 4" (MODIFIED)
 - ⑭ FURNISHING AND PLACING TOPSOIL, 4"
 - ⑮ SEEDING, CLASS 2A
 - ⑯ STEEL PLATE BEAM GUARDRAIL, TYPE A
 - ⑰ CAST-IN-PLACE CONCRETE WALL (BY OTHERS)
 - ⑱ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
 - ⑲ AGGREGATE PRIME COAT
 - ⑳ BITUMINOUS PRIME COAT
 - ㉑ EROSION CONTROL BLANKET



- NOTES**
- MINIMUM LIFT THICKNESS FOR POLYMERIZED HOT-MIX ASPHALT IS 1-3/4"
 - THE CONTRACTOR SHALL OBTAIN RIGHT OF ENTRY FROM PROPERTY OWNER PRIOR TO INSTALLATION OF THE PROPOSED FENCE WHERE A TEMPORARY EASEMENT IS NOT SHOWN.
 - SEAL ALL LONGITUDINAL JOINTS BETWEEN CC&G AND PAVEMENT FOR SHOULDERS & PATH SHALL BE SEALED IN ACCORDANCE WITH ITEMS FOR "BACKER MATERIAL", "CRACK ROUTING", & "CRACK FILLING"
 - PGL - PROFILE GRADE LINE



USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



PROPOSED TYPICAL SECTION			
SCALE: NTS	SHEET NO. 2 OF 4 SHEETS	STA. N/A TO STA. N/A	

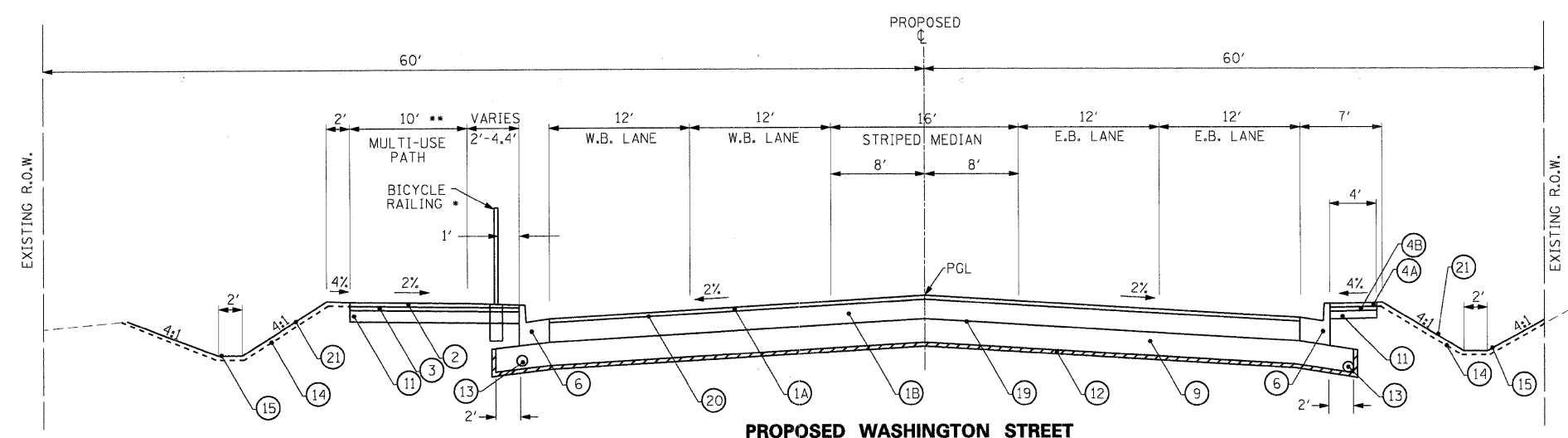
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	24
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

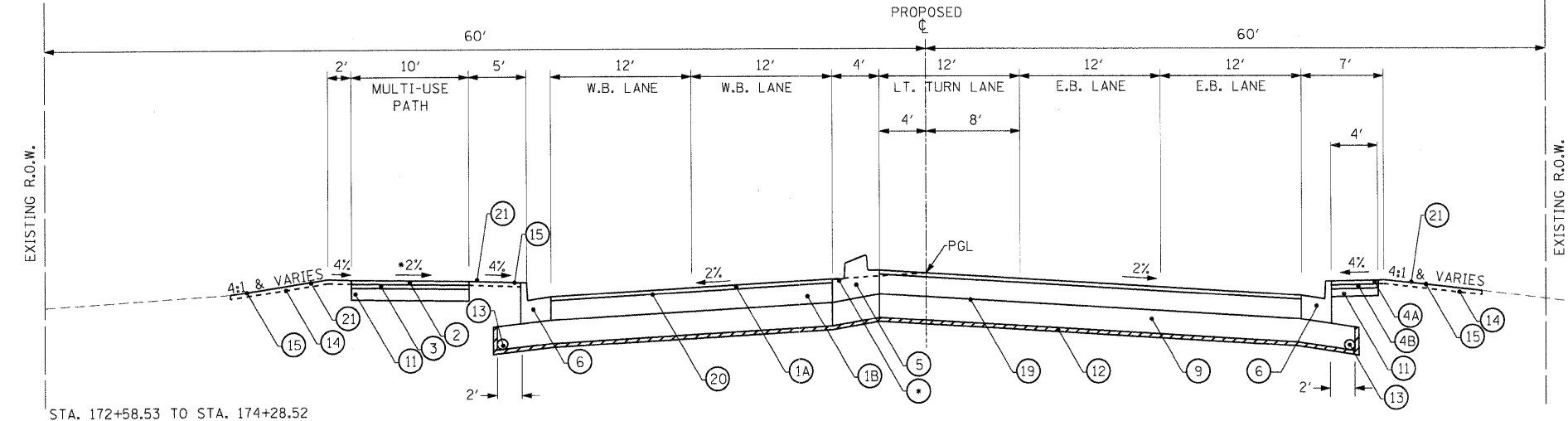
- ①A POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F, N90, 1-1/2"
- ①B POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90, 10-1/2"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2"
- ④ HOT-MIX ASPHALT SHOULDER, 4"
- ④A HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1-1/2"
- ④B HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2-1/2"
- ⑤ CONCRETE MEDIAN, TYPE SB-6.06
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑧ FULL DEPTH SAW CUT
- ⑨ AGGREGATE SUBGRADE, 12"
- ⑩ STAMPED COLORED PCC MEDIAN SURFACE, 4 INCH (SPECIAL)
- ⑪ AGGREGATE BASE COURSE, TYPE A, 6"
- ⑫ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑬ PIPE UNDERDRAINS, 4" (MODIFIED)
- ⑭ FURNISHING AND PLACING TOPSOIL, 4"
- ⑮ SEEDING, CLASS 2A
- ⑯ STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑰ CAST-IN-PLACE CONCRETE WALL (BY OTHERS)
- ⑱ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- ⑲ AGGREGATE PRIME COAT
- ⑳ BITUMINOUS PRIME COAT
- ㉑ EROSION CONTROL BLANKET

NOTES

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4. PGL - PROFILE GRADE LINE



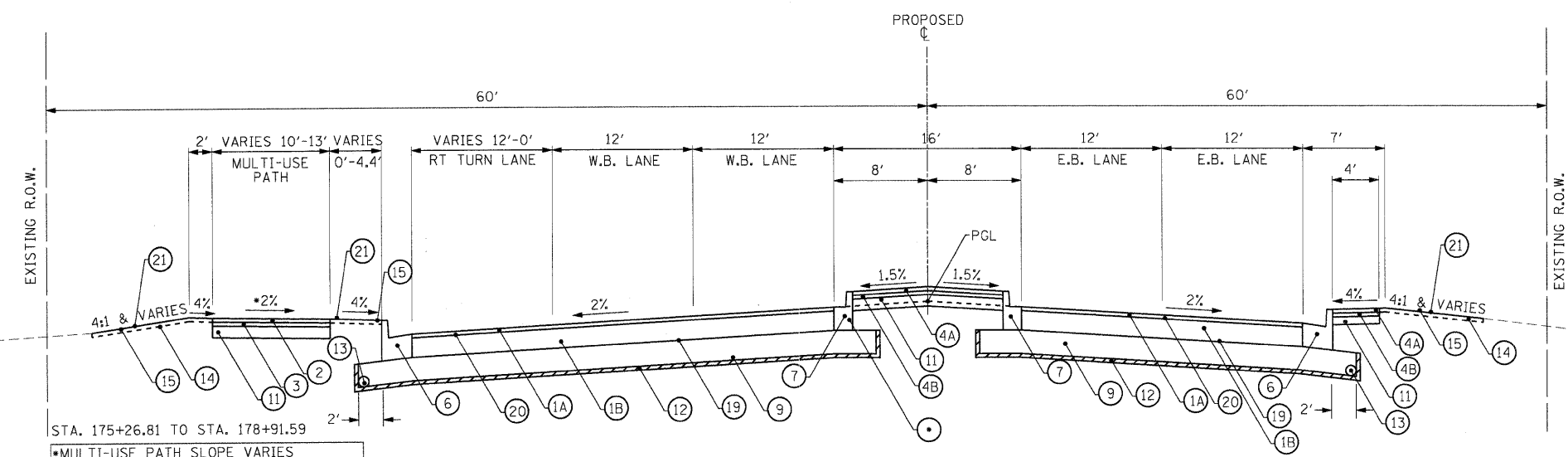
PROPOSED WASHINGTON STREET
 STA. 162+81.64 TO STA. 172+58.53
 * INSTALL BICYCLE RAILING TO STA. 167+70.00
 ** PATH WIDTH VARIES AT UNDERGROUND AT&T UTILITY VAULT STA. 166+05 - 166+70



PROPOSED WASHINGTON STREET
 STA. 172+58.53 TO STA. 174+28.52
 * REVERSE PITCH CURB AT 2%

STA. 172+58.53 TO STA. 174+28.52

*MULTI-USE PATH SLOPE VARIES		
STA.	STA.	SLOPE
173+50.00	174+00.00	2% TO 0%
174+00.00	174+36.01	0% TO 2%

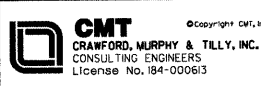


PROPOSED WASHINGTON STREET
 STA. 175+26.81 TO STA. 178+91.59
 *REVERSE PITCH CURB AT 2%

STA. 175+26.81 TO STA. 178+91.59

*MULTI-USE PATH SLOPE VARIES		
STA.	STA.	SLOPE
175+26.81	177+04.47	-2%
177+04.47	177+36.75	-2% TO 0%
177+36.75	177+50.00	0% TO 2%

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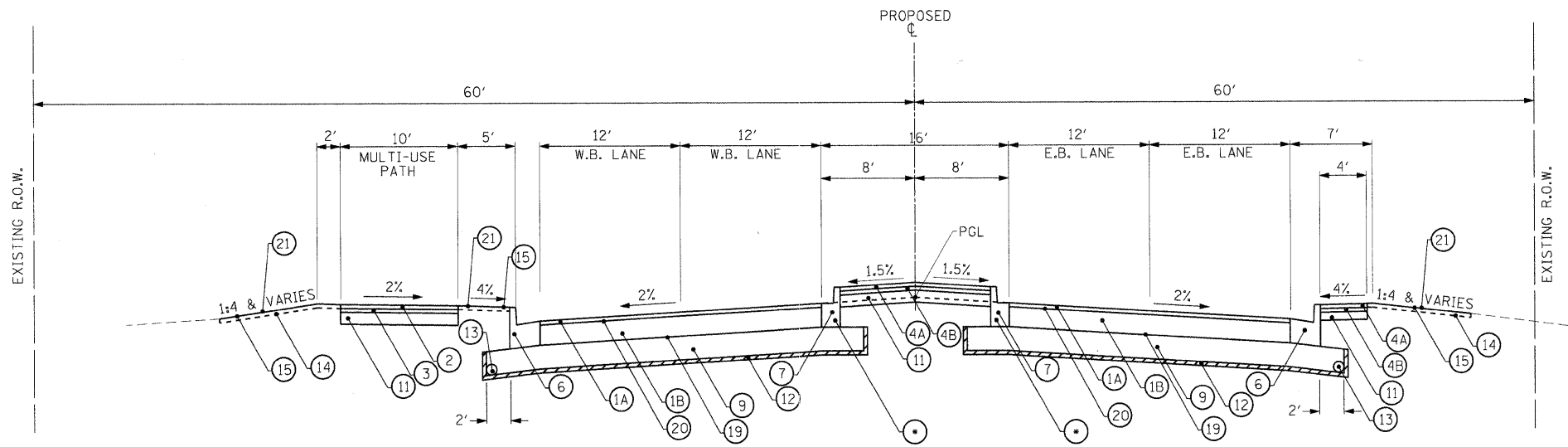
USER NAME = Monice Grinnon
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 07/15/09

REVISIONS:
 REVISION -
 REVISION -
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 REVISION -



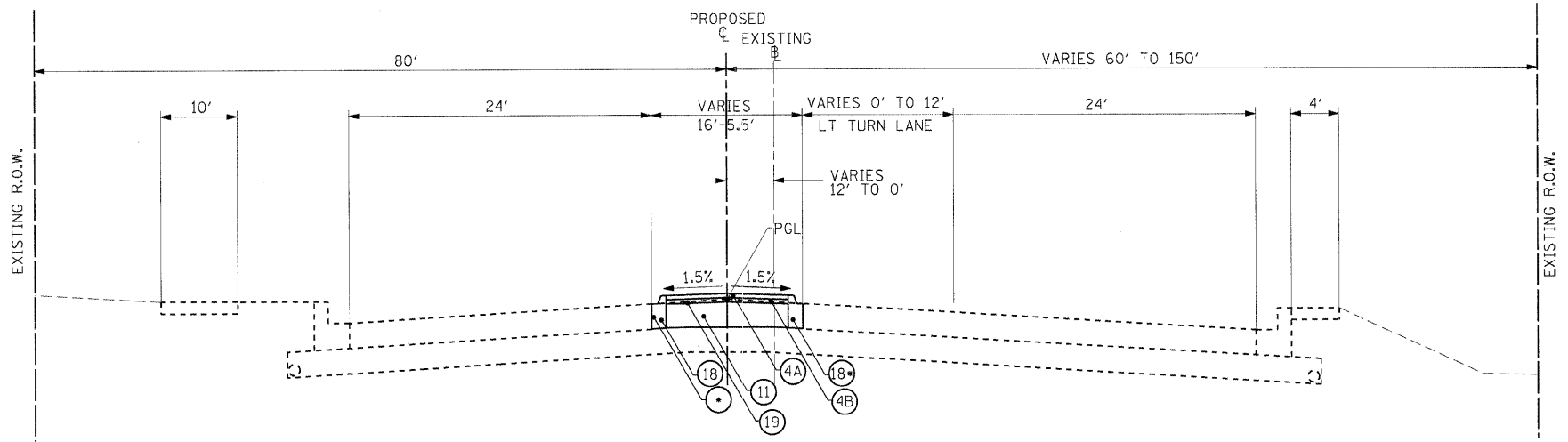
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 SCALE: N.T.S. SHEET NO. 3 OF 4 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	25
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



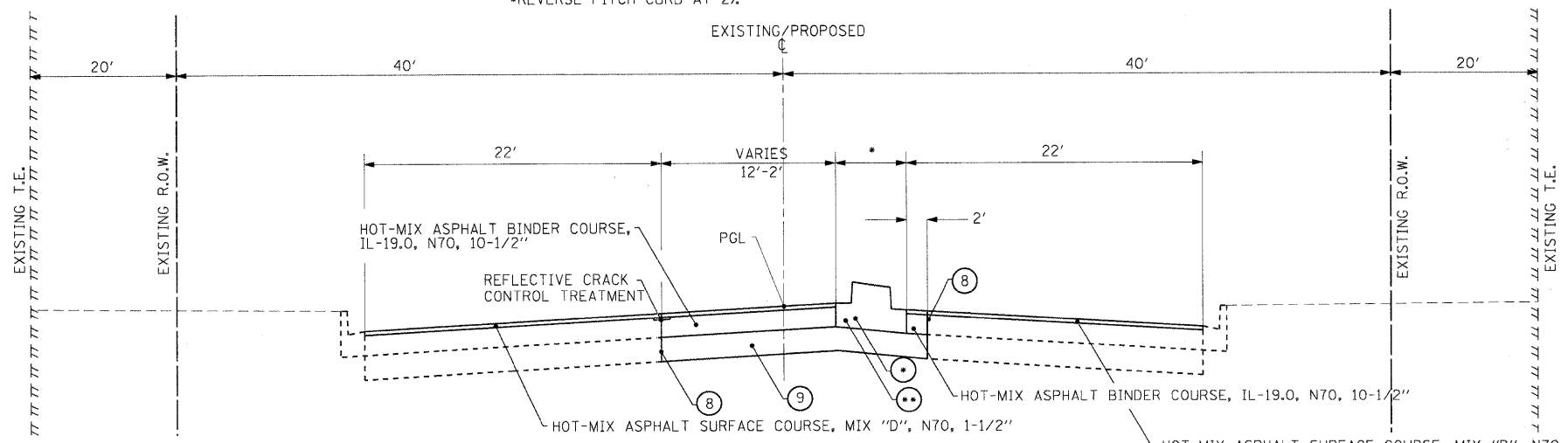
PROPOSED WASHINGTON STREET

STA. 178+91.59 TO STA. 179+71.54
 *REVERSE PITCH CURB AT 2%



PROPOSED WASHINGTON STREET

STA. 179+71.54 TO STA. 18+33.48
 *REVERSE PITCH CURB AT 2%



PROPOSED TRI-STATE PARKWAY

STA. 15+48.35 TO STA. 18+50.50
 * STA. 15+48.35 - STA. 17+12.00 (4' CONCRETE MEDIAN, TYPE SB-6.06)
 * STA. 17+12.00 - STA. 18+50.50 (VARIES FROM 4' TO 16' GRASS MEDIAN)
 ** REVERSE PITCH CURB AT 2%

LEGEND

- 1A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F, N90, 1-1/2"
- 1B) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90, 10-1/2"
- 2) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2"
- 3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2"
- 4) HOT-MIX ASPHALT SHOULDER, 4"
- 4A) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1-1/2"
- 4B) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2-1/2"
- 5) CONCRETE MEDIAN, TYPE SB-6.06
- 6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 8) FULL DEPTH SAW CUT
- 9) AGGREGATE SUBGRADE, 12"
- 10) STAMPED COLORED PCC MEDIAN SURFACE, 4 INCH (SPECIAL)
- 11) AGGREGATE BASE COURSE, TYPE A, 6"
- 12) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 13) PIPE UNDERDRAINS, 4" (MODIFIED)
- 14) FURNISHING AND PLACING TOPSOIL, 4"
- 15) SEEDING, CLASS 2A
- 16) STEEL PLATE BEAM GUARDRAIL, TYPE A
- 17) CAST-IN-PLACE CONCRETE WALL (BY OTHERS)
- 18) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- 19) AGGREGATE PRIME COAT
- 20) BITUMINOUS PRIME COAT
- 21) EROSION CONTROL BLANKET

NOTES

1. MINIMUM LIFT THICKNESS FOR POLYMERIZED HOT-MIX ASPHALT IS 1-3/4"
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4. PGL - PROFILE GRADE LINE

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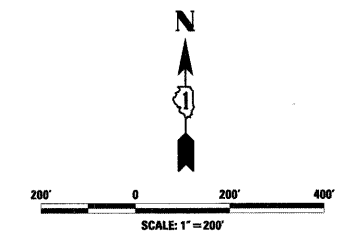
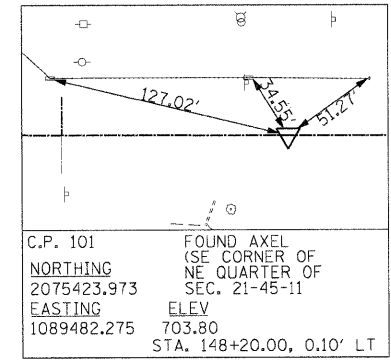
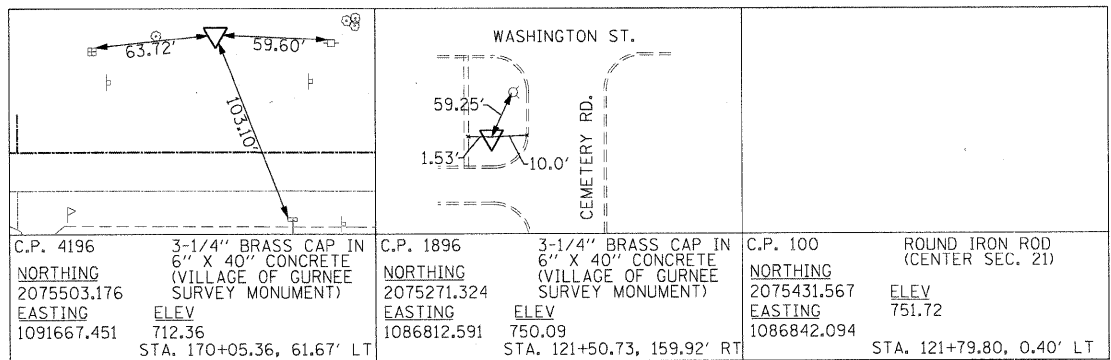
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-00063

USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -

LakeCounty
 Division of Transportation

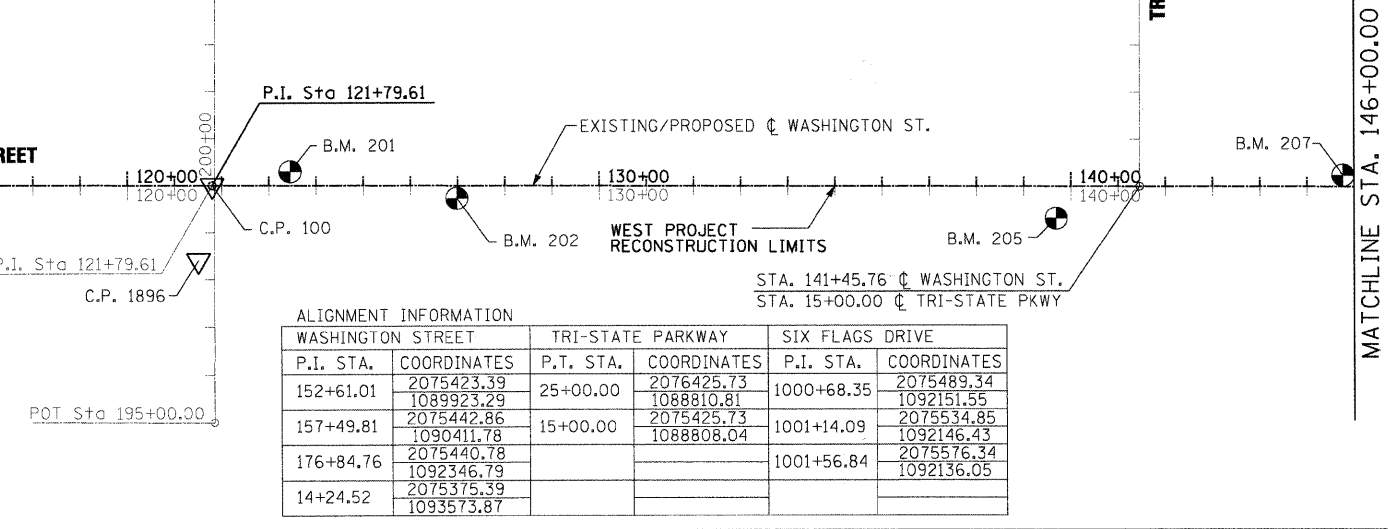
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SCALE: N.T.S.	SHEET NO. 4 OF 4 SHEETS	STA. N/A TO STA. N/A	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	26
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



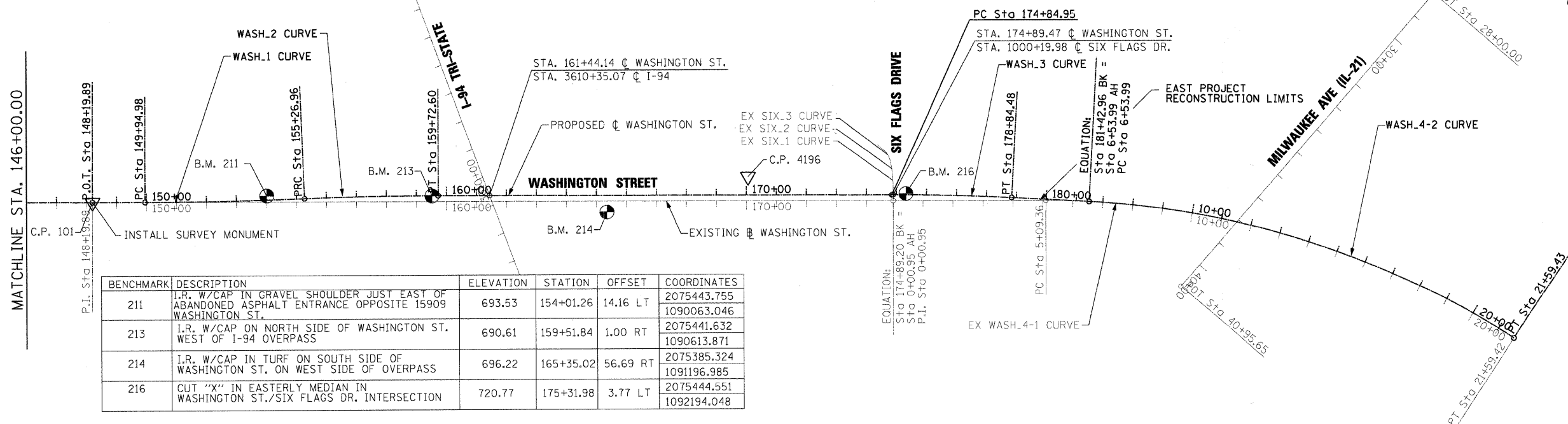
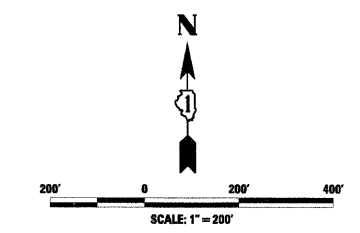
LEGEND	
	CONTROL POINT
	BENCHMARK

BENCHMARK	DESCRIPTION	ELEVATION	STATION	OFFSET	COORDINATES
201	I.R. W/CAP ON NORTH SIDE OF WASHINGTON ST. AT EDGE OF GRAVEL SHOULDER. (APPROX 125' E. OF CEMETERY RD)	748.41	123+45.08	29.41 LT	2075460.116 1087007.448
202	MAG NAIL ON SOUTH SIDE OF WASHINGTON ST. AT FIRST ASPHALT ENTRANCE EAST OF CEMETERY RD. (NAIL IS 7 FEET SOUTH OF SEAM)	741.26	126+98.29	26.82 RT	2075402.916 1087360.504
205	I.R. W/CAP ON SOUTH SIDE OF FENCE ON SOUTH SIDE OF WASHINGTON ST. 2.5 FEET SOUTHEAST OF CONC. PAD FOR LARGE BLACK BULL STATUE AT 16139 WASHINGTON ST.	716.68	139+68.72	68.25 RT	2075357.973 1088630.813
207	I.R. W/CAP ON NORTH SIDE OF WASHINGTON ST. 1 FOOT NORTH OF GRAVEL SHOULDER APPROX. 13' W. OF TRI-STATE PARKWAY SIGN FOR WB TRAFFIC (EAST OF TRI-STATE PARKWAY)	709.00	145+76.46	23.75 LT	2075448.289 1089238.806



ALIGNMENT INFORMATION					
WASHINGTON STREET		TRI-STATE PARKWAY		SIX FLAGS DRIVE	
P.I. STA.	COORDINATES	P.T. STA.	COORDINATES	P.I. STA.	COORDINATES
152+61.01	2075423.39 1089923.29	25+00.00	2076425.73 1088810.81	1000+68.35	2075489.34 1092151.55
157+49.81	2075442.86 1090411.78	15+00.00	2075425.73 1088808.04	1001+14.09	2075534.85 1092146.43
176+84.76	2075440.78 1092346.79			1001+56.84	2075576.34 1092136.05
14+24.52	2075375.39 1093573.87				

PROP. CURVE WASH.1 PI STA. = 152+61.01 Δ = 2° 20' 40" (LT) D = 0° 26' 27" R = 13,000.52' T = 266.03' L = 531.98' E = 2.72' P.C. STA. = 149+94.98 P.T. STA. = 155+26.96 DESIGN SPEED = 50 MPH	PROP. CURVE WASH.2 PI STA. = 157+49.81 Δ = 2° 20' 40" (RT) D = 0° 31' 34" R = 10,891.16' T = 222.85' L = 445.64' E = 2.28' P.C. STA. = 155+26.96 P.T. STA. = 159+72.60 DESIGN SPEED = 50 MPH	PROP. CURVE WASH.3 PI STA. = 176+84.76 Δ = 2° 59' 19" (RT) D = 0° 44' 53" R = 7,659.85' T = 199.81' L = 399.53' E = 2.61' P.C. STA. = 174+84.95 P.T. STA. = 178+84.48 DESIGN SPEED = 50 MPH	EXIST. CURVE WASH.4-1 PI STA. = 13+57.97 Δ = 32° 59' 48" (RT) D = 1° 59' 59" R = 2,865.19' T = 848.61' L = 1,650.06' E = 123.03' P.C. STA. = 5+09.36 P.T. STA. = 21+59.42	PROP. CURVE WASH.4-2 PI STA. = 14+24.52 Δ = 30° 06' 17" (RT) D = 1° 59' 59" R = 2,865.19' T = 770.53' L = 1,505.44' E = 101.80' P.C. STA. = 6+53.99 P.T. STA. = 21+59.43 DESIGN SPEED = 50 MPH	PROP. CURVE EX. SIX.3 PI STA. = 1001+56.84 Δ = 34° 54' 35" (LT) D = 99° 38' 41" R = 57.50' T = 18.08' L = 35.03' E = 2.78' P.C. STA. = 1001+38.76 P.T. STA. = 1001+73.80	PROP. CURVE EX. SIX.2 PI STA. = 1001+14.09 Δ = 7° 37' 24" (LT) D = 84° 34' 10" R = 67.75' T = 4.51' L = 9.01' E = 0.15' P.C. STA. = 1001+09.57 P.T. STA. = 1001+18.59	PROP. CURVE EX. SIX.1 PI STA. = 1000+68.35 Δ = 6° 28' 46" (LT) D = 11° 27' 33" R = 500.00' T = 28.30' L = 56.54' E = 0.80' P.C. STA. = 1000+40.05 P.T. STA. = 1000+96.59
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BENCHMARK	DESCRIPTION	ELEVATION	STATION	OFFSET	COORDINATES
211	I.R. W/CAP IN GRAVEL SHOULDER JUST EAST OF ABANDONED ASPHALT ENTRANCE OPPOSITE 15909 WASHINGTON ST.	693.53	154+01.26	14.16 LT	2075443.755 1090063.046
213	I.R. W/CAP ON NORTH SIDE OF WASHINGTON ST. WEST OF I-94 OVERPASS	690.61	159+51.84	1.00 RT	2075441.632 1090613.871
214	I.R. W/CAP IN TURF ON SOUTH SIDE OF WASHINGTON ST. ON WEST SIDE OF OVERPASS	696.22	165+35.02	56.69 RT	2075385.324 1091196.985
216	CUT "X" IN EASTERLY MEDIAN IN WASHINGTON ST./SIX FLAGS DR. INTERSECTION	720.77	175+31.98	3.77 LT	2075444.551 1092194.048

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CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 04-000613	USER NAME = Steve Prange PLOT SCALE = 200.0000' / 1" PLOT DATE = 05/29/09	DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	Lake County Division of Transportation	ALIGNMENT TIES AND BENCHMARKS SCALE: 200'=1" SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 27 CONTRACT NO. 63209
	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR CONSTRUCTION ZONE TRAFFIC CONTROL UNLESS PRIOR APPROVAL IS RECEIVED FROM THE COUNTY
2. THE TYPE III BARRICADES SHALL BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
3. ANY DROP OFF GREATER THAN THREE (3) INCHES BUT LESS THAN SIX (6) INCHES, WITHIN EIGHT (8) FEET OF THE PAVEMENT EDGE, SHALL BE PROTECTED BY TYPE II BARRICADES, OR VERTICAL PANELS WITH MONO DIRECTIONAL STEADY BURNING LIGHTS AT 100 FOOT CENTER TO CENTER SPACING.
4. IF THE DROP OFF WITHIN EIGHT (8) FEET OF THE PAVEMENT EDGE EXCEEDS SIX (6) INCHES, THE BARRICADES, OR VERTICAL PANELS MENTIONED ABOVE SHALL BE PLACED AT FIFTY (50) FOOT CENTER TO CENTER SPACING. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
5. TYPE II BARRICADES WITH TWO -WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURE'S TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNED BY THE ENGINEER OR REQUESTED BY LOCAL AGENCIES.
6. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, VERTICAL PANELS, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.
7. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN AGGREGATE DRIVEWAYS FOR TEMPORARY ACCESS AT ALL TIMES FOR ALL APPROACHES AND ENTRANCES ACCORDING TO ARTICLE 402 OF THE STANDARD SPECIFICATIONS. ALL ENTRANCES SHALL BE MAINTAINED 24 HOURS PER DAY, SEVEN DAYS PER WEEK. DRIVEWAY SIGNS SHALL BE PROVIDED AT ALL TEMPORARY ACCESS LOCATIONS. THESE SIGNS SHALL BE DOUBLE SIDED AND PLACED AT A LOCATION DETERMINED BY THE ENGINEER.
8. ALL TEMPORARY SIGNING AS SHOWN IN THE PLANS SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. THE COST FOR INSTALLING, ERECTING, MAINTAINING, RELOCATING, AND REMOVING THESE SIGNS SHALL BE INCLUDED IN THE ITEM FOR TRAFFIC CONTROL AND PROTECTION.
9. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST SEVEN (7) DAYS IN ADVANCE OF THE SCHEDULED TRAFFIC CHANGE.

SUGGESTED SEQUENCE OF CONSTRUCTION

PRE-STAGE CONSTRUCTION ACTIVITIES

- SETUP AND MAINTAIN PRE- STAGE TEMPORARY TRAFFIC CONTROL CONFIGURATION AS SHOWN IN THE PLANS.
- PRE- STAGE CONSTRUCTION CONSISTS OF REMOVING THE EXISTING SHOULDER ON THE SOUTH SIDE OF WASHINGTON STREET FOR TEMPORARY WIDENING.
- INSTALL AND MAINTAIN ALL NECESSARY EROSION CONTROL THROUGHOUT THE LENGTH OF THE PROJECT.
- TEMPORARY PAVEMENT SHALL BE CONSTRUCTED WITH TEMPORARY SHOULDER CLOSURES ON THE SOUTH SIDE OF WASHINGTON STREET TO ACCOMMODATE THE PROPOSED TRAFFIC DURING STAGE 1.
- REMOVE EXISTING MEDIAN AT EAST PROJECT LIMITS FOR THE CONSTRUCTION OF TEMPORARY PAVEMENT TO ACCOMMODATE THE TRAFFIC CROSS-OVER FOR STAGE 1 FROM STA. 175+30.49 - 8+33.44
- REMOVE EXISTING MEDIAN AT TRI-STATE PARKWAY FOR THE CONSTRUCTION OF TEMPORARY PAVEMENT TO ACCOMMODATE TRAFFIC IN SUBSEQUENT STAGES OF CONSTRUCTION FROM STA. 15+48.89 - 17+91.37
- REMOVE EXISTING SHOULDER AND CC&G AT SIX FLAGS DRIVE FOR THE CONSTRUCTION OF TEMPORARY WIDENING FOR STAGE 1 TRAFFIC.
- MILL AND RESURFACE EXISTING PAVEMENT ON WASHINGTON STREET FROM STA. 134+05.00 - 179+71.00 IN LOCATIONS SHOWN ON PLANS PRIOR TO IMPLEMENTING STAGE 1 TRAFFIC CONFIGURATION.
- EXISTING TEMPORARY SIGNALS AT TRI-STATE PARKWAY & SIX FLAGS DRIVE SHALL BE SHIFTED TO BE CONSISTENT WITH THE TEMPORARY LANE CONFIGURATIONS AT THE INTERSECTIONS OF TRI-STATE PARKWAY AND SIX FLAGS DRIVE WITH WASHINGTON STREET DURING PRE- STAGE CONSTRUCTION ACTIVITIES AT THE INTERSECTION.
- TEMPORARY TRAFFIC SIGNALS WITH TEMPORARY INTERCONNECT SHALL BE INSTALLED AT SIX FLAGS DRIVE AND TRI-STATE PARKWAY BEFORE IMPLEMENTING THE STAGE 1A TRAFFIC CONFIGURATION. (SEE TEMPORARY SIGNAL PLANS FOR DETAILS)
- INSTALL PERMINANT CEDER PLANK FENCE FROM STA. 138+88.00 - 143+47.00 PRIOR TO REMOVAL OF EXISTING FENCE TO MAINTAIN A PERMINANT SIGHT SCREEN DURING CONSTRUCTION ACTIVITIES.

STAGE 1A CONSTRUCTION ACTIVITIES

- SETUP AND MAINTAIN STAGE 1A TRAFFIC CONTROL CONFIGURATION WITH ONE LANE IN EACH DIRECTION ON THE SOUTH SIDE OF WASHINGTON STREET. (MAINTAINING THE LEFT TURN LANE AT TRI-STATE PARKWAY) TEMPORARY WIDENING AND RESURFACING SHALL BE COMPLETED PRIOR TO SHIFTING TRAFFIC INTO STAGE 1A CONFIGURATION.
- ACTIVATE TEMPORARY SIGNALS INSTALLED DURING PRE- STAGE AT TRI-STATE PARKWAY AND SIX FLAGS DRIVE TO ACCOMMODATE THE TEMPORARY LANE CONFIGURATIONS FOR THE STAGE 1A CONSTRUCTION AT EACH INTERSECTION.
- REMOVE EXISTING PAVEMENT, SHOULDERS, DRAINAGE STRUCTURES, TRAFFIC SIGNALS, VEGETATION, AND OTHER ITEMS WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS ON THE NORTH SIDE OF WASHINGTON STREET.
- WITH TRAFFIC SHIFTED TO THE WEST SIDE OF TRI-STATE PARKWAY, REMOVE EXISTING PAVEMENT, SHOULDERS, AND DRAINAGE STRUCTURES WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS ON THE EAST HALF OF TRI-STATE PARKWAY FOR THE CONSTRUCTION OF PROPOSED PAVEMENT AND MEDIAN ON TRI-STATE PARKWAY.
- WITH TRAFFIC SHIFTED TO THE WEST SIDE OF SIX FLAGS DRIVE, REMOVE THE EXISTING PAVEMENT, SHOULDERS, AND DRAINAGE STRUCTURES WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS ON THE EAST HALF OF SIX FLAGS DRIVE FOR THE CONSTRUCTION OF THE PROPOSED PAVEMENT AND CC&G AT SIX FLAGS DRIVE.
- CONSTRUCT THE PROPOSED PAVEMENT, CURB AND GUTTER, SHOULDER, DRIVEWAYS, MULTI-USE PATH, DRAINAGE STRUCTURES, AND TRANSVERSE DRAINAGE PIPES WITHIN THE PROPOSED CONSTRUCTION WORK ZONE LIMITS ON WASHINGTON STREET.

STAGE 1A CONSTRUCTION ACTIVITIES CONTINUED:

- CONSTRUCT PROPOSED RETAINING WALLS 1 & 2.
- CONSTRUCT PROPOSED DRAINAGE CULVERTS WHILE MAINTAINING DRAINAGE THROUGHOUT CONSTRUCTION OF THE NORTH HALF OF THE PROPOSED CROSSINGS.
- COORDINATE THE RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH THE PROPOSED IMPROVEMENTS WITH UTILITY COMPANIES.
- REPOSITION TEMPORARY TRAFFIC SIGNALS AT TRI-STATE PARKWAY AND SIX FLAGS DR. TO ACCOMMODATE THE TEMPORARY LANE CONFIGURATIONS FOR STAGE 1B CONSTRUCTION AT EACH INTERSECTION. THIS MUST BE COMPLETED BEFORE THE IMPLEMENTATION OF THE STAGE 1B TRAFFIC CONFIGURATION.

STAGE 1B CONSTRUCTION ACTIVITIES

- SET -UP AND MAINTAIN STAGE 1B TEMPORARY TRAFFIC CONTROL CONFIGURATION AT TRI-STATE PARKWAY AND SIX FLAGS DRIVE. THE TEMPORARY TRAFFIC CONTROL CONFIGURATION ON WASHINGTON STREET SHALL REMAIN THE SAME AS STAGE 1A.
- WITH TRAFFIC IN A SPLIT CONFIGURATION, REMOVE EXISTING PAVEMENT, SHOULDERS, AND DRAINAGE STRUCTURES WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS OF TRI-STATE PARKWAY FOR THE CONSTRUCTION OF PROPOSED PAVEMENT AND MEDIAN ON TRI-STATE PARKWAY.
- WITH TRAFFIC IN A SPLIT CONFIGURATION, REMOVE EXISTING PAVEMENT, SHOULDERS, AND DRAINAGE STRUCTURES WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS OF SIX FLAGS DRIVE FOR THE CONSTRUCTION OF PROPOSED PAVEMENT FOR SIX FLAGS DRIVE.
- REPOSITION TEMPORARY TRAFFIC SIGNALS AT TRI-STATE PARKWAY AND SIX FLAGS DR. TO ACCOMMODATE THE TEMPORARY LANE CONFIGURATIONS FOR STAGE 1C CONSTRUCTION AT EACH INTERSECTION. THIS MUST BE COMPLETED BEFORE THE IMPLEMENTATION OF THE STAGE 1C TRAFFIC CONFIGURATION.

STAGE 1C CONSTRUCTION ACTIVITIES

- SETUP AND MAINTAIN STAGE 1C TEMPORARY TRAFFIC CONTROL CONFIGURATION AT TRI-STATE PARKWAY AND SIX FLAGS DRIVE. THE TEMPORARY TRAFFIC CONTROL CONFIGURATION ON WASHINGTON STREET SHALL REMAIN THE SAME AS STAGE 1A.
- WITH TRAFFIC SHIFTED ONTO COMPLETED PAVEMENT, REMOVE EXISTING PAVEMENT, SHOULDERS, AND DRAINAGE STRUCTURES WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS OF TRI-STATE PARKWAY FOR THE CONSTRUCTION OF PROPOSED PAVEMENT, DRAINAGE STRUCTURES, AND CC&G ON TRI-STATE PARKWAY.
- WITH TRAFFIC SHIFTED ONTO COMPLETED PAVEMENT, REMOVE EXISTING PAVEMENT, SHOULDERS, AND DRAINAGE STRUCTURES WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS OF SIX FLAGS DRIVE FOR THE CONSTRUCTION OF PROPOSED PAVEMENT FOR SIX FLAGS DRIVE.
- REPOSITION TEMPORARY TRAFFIC SIGNALS AT TRI-STATE PARKWAY AND SIX FLAGS DR. TO ACCOMMODATE THE TEMPORARY LANE CONFIGURATIONS FOR STAGE 2A CONSTRUCTION AT EACH INTERSECTION. THIS MUST BE COMPLETED BEFORE THE IMPLEMENTATION OF THE STAGE 2A TRAFFIC CONFIGURATION.

STAGE 2A CONSTRUCTION ACTIVITIES

- SETUP AND MAINTAIN STAGE 2A TRAFFIC CONTROL SPLIT CONFIGURATION WITH ONE LANE IN EACH DIRECTION ON WASHINGTON STREET. (MAINTAINING THE LEFT TURN LANE FROM WASHINGTON STREET TO TRI-STATE PARKWAY)
- REMOVE EXISTING PAVEMENT AND OTHER ITEMS IN THE MEDIAN OF WASHINGTON STREET, WEST OF TRI-STATE PARKWAY FROM STA. 134+02.50 - 141+46.00 TO MAINTAIN THE LEFT TURN LANE ONTO TRI-STATE PARKWAY.
- REMOVE EXISTING PAVEMENT, SHOULDERS, AND DRAINAGE STRUCTURES WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS ON THE SOUTH HALF OF WASHINGTON STREET FROM STA. 154+16.00 179+71.00 FOR THE CONSTRUCTION OF PROPOSED PAVEMENT, DRAINAGE STRUCTURES, AND CC&G ON WASHINGTON STREET.
- CONSTRUCT THE PROPOSED PAVEMENT ON WASHINGTON STREET FROM STA. 134+02.50 - 141+46.00 TO MAINTAIN THE LEFT TURN LANE ONTO TRI-STATE PARKWAY DURING STAGE 2C CONSTRUCTION OF THE REMAINDER OF THE SOUTH HALF OF WASHINGTON STREET.
- COMPLETE THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNAL IMPROVEMENTS AT SIX FLAGS DRIVE AND TRI-STATE PARKWAY. ONCE THE CONSTRUCTION OF THE PROPOSED SIGNALS HAS BEEN COMPLETED, DEACTIVATE TEMPORARY TRAFFIC SIGNAL SYSTEMS AT TRI-STATE PARKWAY AND SIX FLAGS DRIVE INTERSECTIONS AND RETURN ALL EQUIPMENT TO LAKE COUNTY.
- POSITION PROPOSED TRAFFIC SIGNAL HEADS IN TEMPORARY CONFIGURATION FOR THE STAGE 2C TRAFFIC CONFIGURATION AT SIX FLAGS DRIVE.

- REPOSITION TEMPORARY TRAFFIC SIGNALS TO ACCOMMODATE THE STAGE 2B TRAFFIC CONFIGURATION AT TRI-STATE PARKWAY.


STAGE 2B CONSTRUCTION ACTIVITIES

- SETUP AND MAINTAIN STAGE 2B TRAFFIC CONTROL CONFIGURATION ON TRI-STATE PARKWAY. (MAINTAINING THE LEFT TURN LANE FROM WASHINGTON STREET TO TRI-STATE PARKWAY)
- REMOVE EXISTING PAVEMENT AND OTHER ITEMS IN THE MEDIAN OF WASHINGTON STREET, EAST OF TRI-STATE PARKWAY FROM STA. 141+46.00 - 146+50.00 TO MAINTAIN THE LEFT TURN LANE ONTO TRI-STATE PARKWAY.
- CONSTRUCT THE PROPOSED PAVEMENT ON WASHINGTON STREET FROM STA. 141+46.00 - 146+50.00 TO MAINTAIN THE LEFT TURN LANE ONTO TRI-STATE PARKWAY.

STAGE 2C CONSTRUCTION ACTIVITIES

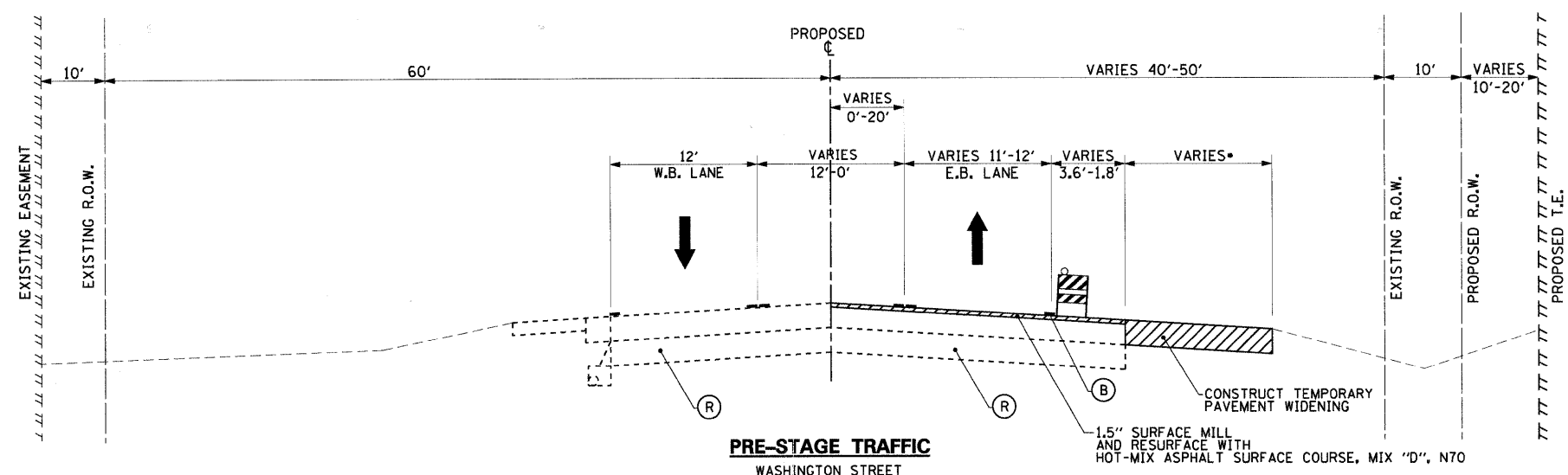
- SETUP AND MAINTAIN STAGE 2C TRAFFIC CONTROL CONFIGURATION.
- REMOVE EXISTING PAVEMENT, SHOULDERS, AND DRAINAGE STRUCTURES WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS ON THE SOUTH HALF OF WASHINGTON STREET FROM STA. 134+02.50 - 154+00.00 FOR THE CONSTRUCTION OF PROPOSED PAVEMENT, DRAINAGE STRUCTURES, AND CC&G ON WASHINGTON STREET.
- REMOVE TEMPORARY PAVEMENT INSTALLED FOR THE TEMPORARY CROSS-OVER TO CONSTRUCTION THE PROPOSED MEDIAN REPLACEMENT FROM STA. 179+30.49 - 8+33.44
- REMOVE REMAINDER OF TEMPORARY TRAFFIC SIGNALS AND POSITION PROPOSED TRAFFIC SIGNALS INTO FINAL CONFIGURATIONS, CONSIST ANT WITH THE PERMANENT PAVEMENT MARKING.
- CONSTRUCT FINAL SURFACE COURSE OF HOT-MIX ASPHALT THROUGHOUT THE PROJECT WITH FINAL PAVEMENT MARKING DURING OFF-PEAK DAY TIME OPERATIONS. COMPLETE FINAL LANDSCAPING AND PUNCH LIST ITEMS.

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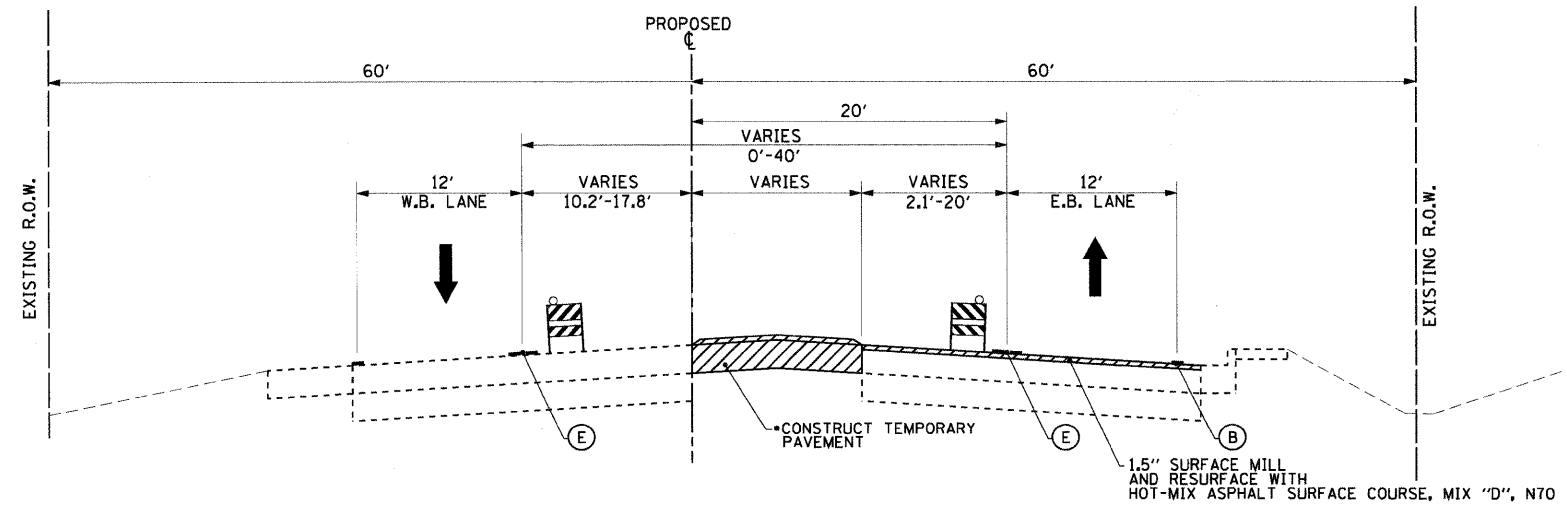
SUGGESTED SEQUENCE OF CONSTRUCTION & MOT GENERAL NOTES			
SCALE: N.T.S.	SHEET NO. 1 OF 24 SHEETS	STA. N/A TO STA. N/A	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 28		CONTRACT NO. 63209	



PRE-STAGE TRAFFIC
 WASHINGTON STREET
 STA. 134+05.00 TO STA. 163+90.22
 (BRIDGE OMISSION STA. 160+06.65 TO STA. 162+29.01)
 • SEE TABLE FOR TEMPORARY PAVEMENT WIDENING
 1.5" SURFACE MILL AND RESURFACE WITH HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

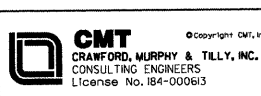
LEGEND	
(A) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID, WHITE, 70300240)	(N) PROPOSED SHOULDER
(B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, WHITE, 70300220)	(O) EXISTING SHOULDER
(C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, YELLOW, 70300220)	(P) PROPOSED PAVEMENT
(D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 70300240)	(R) EXISTING PAVEMENT
(E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, DOUBLE YELLOW, 70300220)	(S) COMPLETED SHOULDER
(F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE, 70300240)	(T) COMPLETED PAVEMENT
(G) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID, YELLOW, 70300260)	(M) FULL DEPTH SAW CUTS (44213200)
(H) THERMOPLASTIC PAVEMENT MARKING LINE, 4", DOUBLE, YELLOW, 7800105)	(W) TEMPORARY BARRIER WALL
(I) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SOLID, WHITE, 7800115)	(U) DIRECTION OF TRAFFIC
(J) THERMOPLASTIC PAVEMENT MARKING LINE, 6", 2' DASH 6' SKIP, WHITE, 7800115)	(X) WORK ZONE
(K) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SKIP-DASH, WHITE, 7800115)	(Y) TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
(L) THERMOPLASTIC PAVEMENT MARKING LINE, 12", SOLID, YELLOW, 7800140)	(Z) EXISTING PAVEMENT
(M) FULL DEPTH SAW CUTS (44213200)	(AA) PROPOSED PAVEMENT
(N) PROPOSED SHOULDER	(AB) VERTICAL PANEL, POST MOUNTED
(O) EXISTING SHOULDER	(AC) TYPE II BARRICADES WITH STEADY BURNING LIGHT
(P) PROPOSED PAVEMENT	
(R) EXISTING PAVEMENT	
(S) COMPLETED SHOULDER	
(T) COMPLETED PAVEMENT	

•TEMPORARY PAVEMENT WIDENING (REFERENCED FROM PROPOSED WASHINGTON ST. (C))		
STATION	NORTH OFFSET	SOUTH OFFSET
134+05	20.7' RT	36.4' RT
142+51	20.0' RT	36.0' RT
143+80	17.5' RT	36.0' RT
145+15	14.8' RT	30.0' RT
145+53	14.1' RT	30.0' RT
147+77	13.7' RT	30.0' RT
148+20	13.7' RT	30.0' RT
149+95	13.9' RT	30.0' RT
151+39	14.9' RT	29.7' RT
152+87	17.7' RT	29.5' RT
153+92	20.2' RT	29.3' RT
155+00	24.0' RT	29.1' RT
155+34	25.4' RT	29.4' RT
157+50	32.0' RT	36.0' RT
158+51	33.6' RT	37.6' RT
161+06	34.1' RT	38.1' RT
163+58	33.9' RT	37.9' RT



PRE-STAGE TRAFFIC
 WASHINGTON STREET
 STA. 163+90.22 TO STA. 172+77.78
 • TEMPORARY PAVEMENT STA. 165+87 TO STA. 172+04
 1.5" SURFACE MILL AND RESURFACE WITH HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

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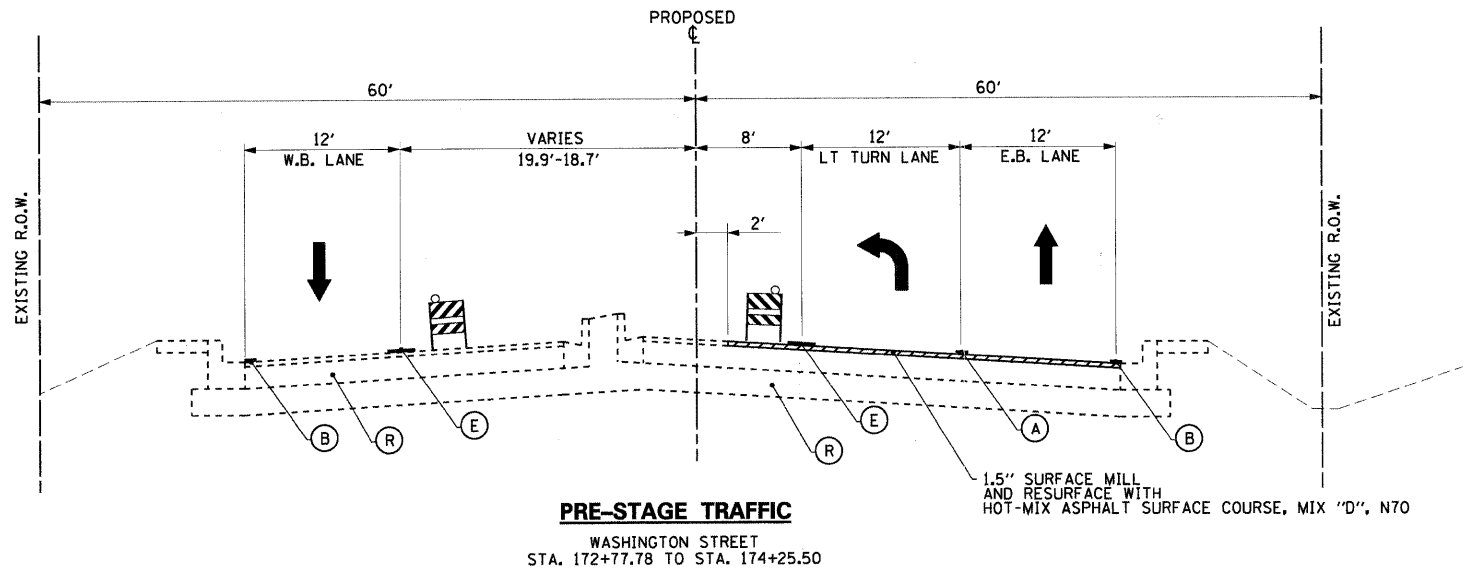


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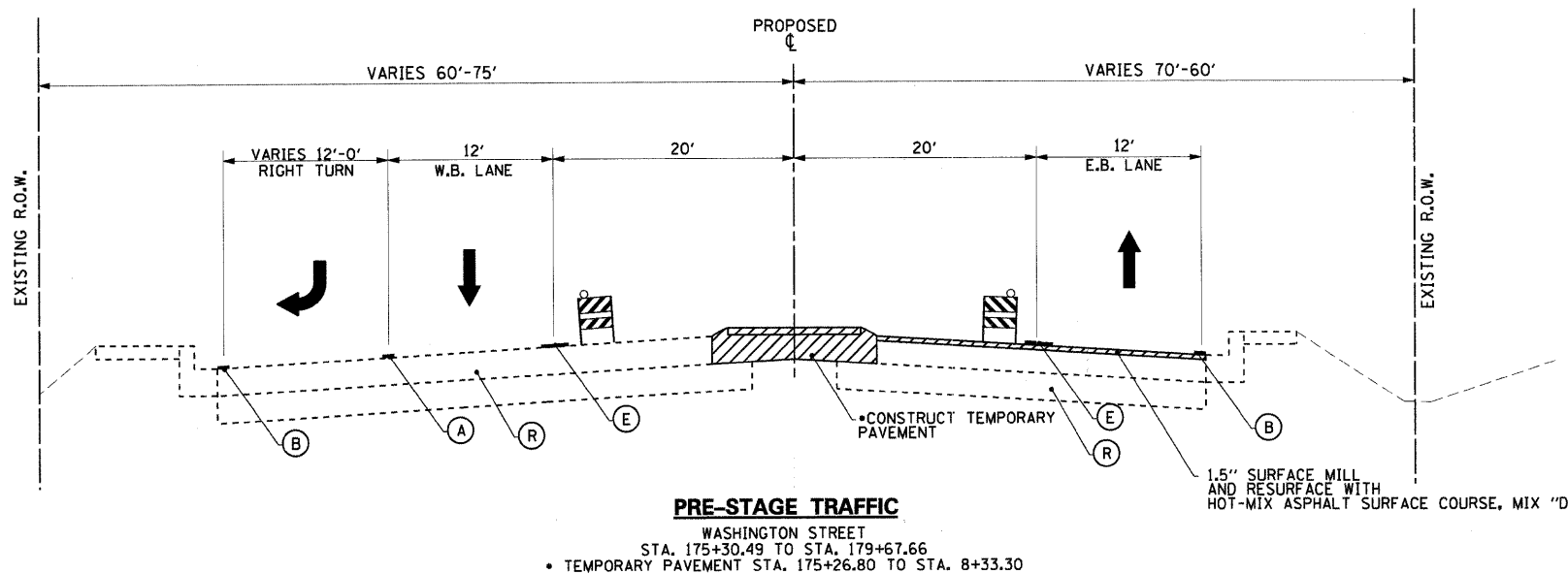


MAINTENANCE OF TRAFFIC - PRE-STAGE TYPICAL SECTIONS			
SCALE: N.T.S.	SHEET NO. 2 OF 24 SHEETS	STA. N/A TO STA. N/A	

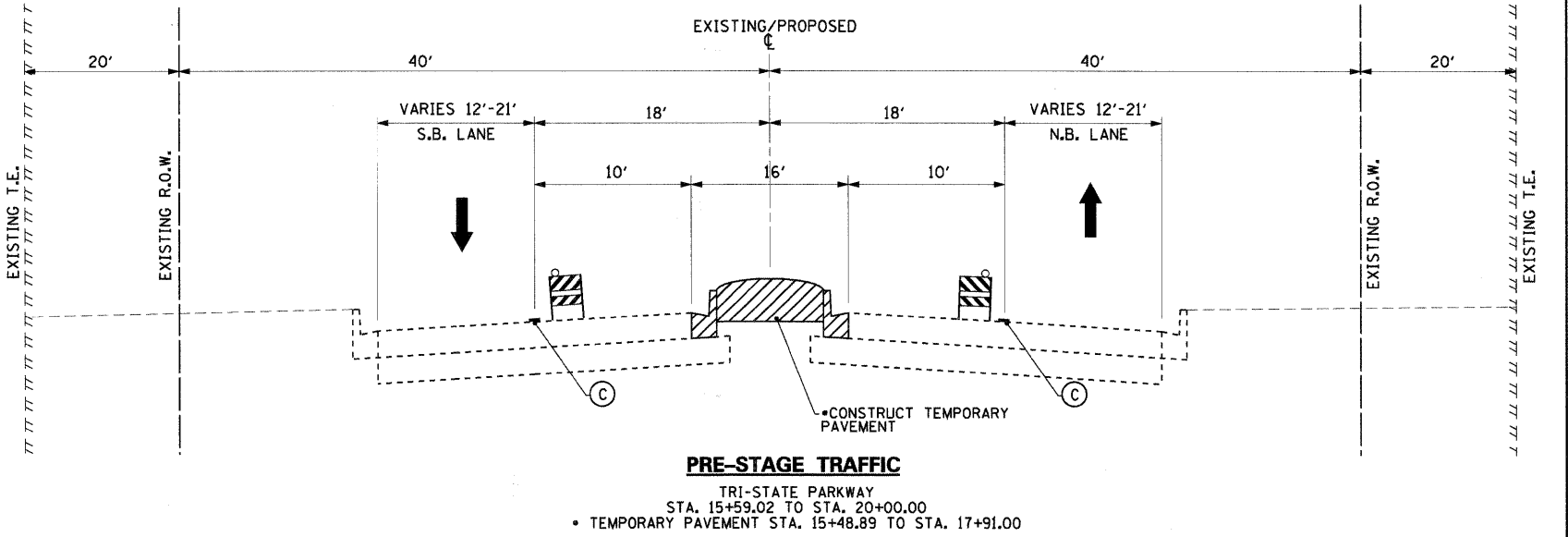
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	29
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				CONTRACT NO. 63209



PRE-STAGE TRAFFIC
 WASHINGTON STREET
 STA. 172+77.78 TO STA. 174+25.50



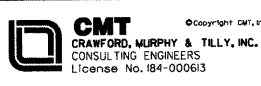
PRE-STAGE TRAFFIC
 WASHINGTON STREET
 STA. 175+30.49 TO STA. 179+67.66
 • TEMPORARY PAVEMENT STA. 175+26.80 TO STA. 175+33.30



PRE-STAGE TRAFFIC
 TRI-STATE PARKWAY
 STA. 15+59.02 TO STA. 20+00.00
 • TEMPORARY PAVEMENT STA. 15+48.89 TO STA. 17+91.00

LEGEND	
(A) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID, WHITE, 70300240)	(N) PROPOSED SHOULDER
(B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, WHITE, 70300220)	(O) EXISTING SHOULDER
(C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, YELLOW, 70300220)	(P) PROPOSED PAVEMENT
(D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 70300240)	(R) EXISTING PAVEMENT
(E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, DOUBLE YELLOW, 70300220)	(S) COMPLETED SHOULDER
(F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE, 70300240)	(T) COMPLETED PAVEMENT
(G) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID, YELLOW, 70300260)	
(H) THERMOPLASTIC PAVEMENT MARKING LINE, 4", DOUBLE, YELLOW, 7800105)	
(I) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SOLID, WHITE, 7800115)	
(J) THERMOPLASTIC PAVEMENT MARKING LINE, 6", 2' DASH 6' SKIP, WHITE, 7800115)	
(K) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SKIP-DASH, WHITE, 7800115)	
(L) THERMOPLASTIC PAVEMENT MARKING LINE, 12", SOLID, YELLOW, 7800140)	
(M) FULL DEPTH SAW CUTS (44213200)	
TEMPORARY BARRIER WALL	(U) TYPE II BARRICADES WITH STEADY BURNING LIGHT
DIRECTION OF TRAFFIC	
WORK ZONE	
TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE	
EXISTING PAVEMENT	
PROPOSED PAVEMENT	
VERTICAL PANEL, POST MOUNTED	

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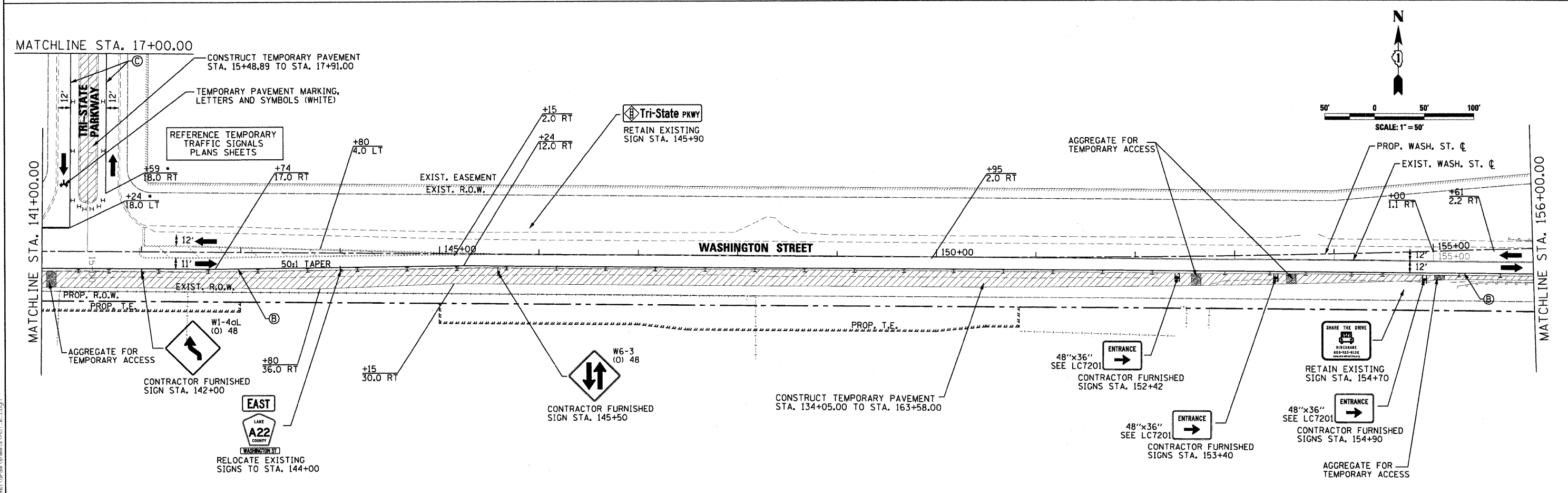
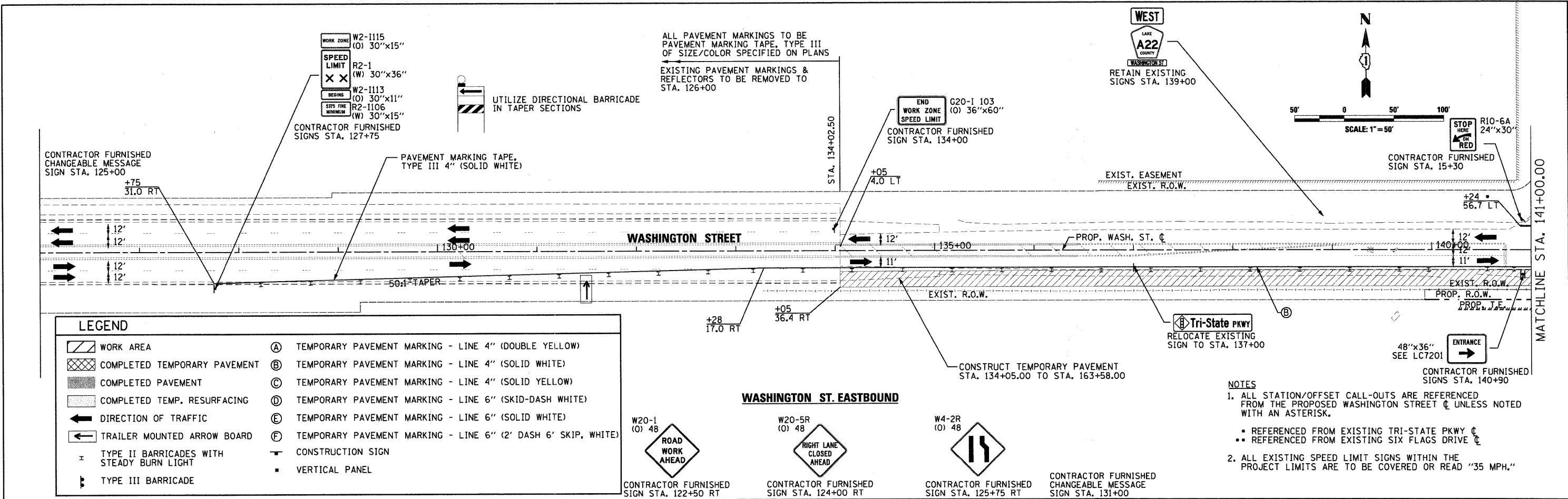


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	DATE - 07/15/09	REVISIONS



MAINTENANCE OF TRAFFIC - PRE-STAGE TYPICAL SECTIONS	
SCALE: N.T.S.	SHEET NO. 3 OF 24 SHEETS
STA. N/A TO STA. N/A	

F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 30
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

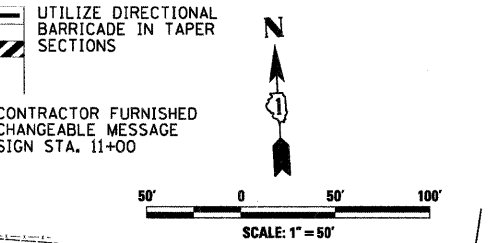
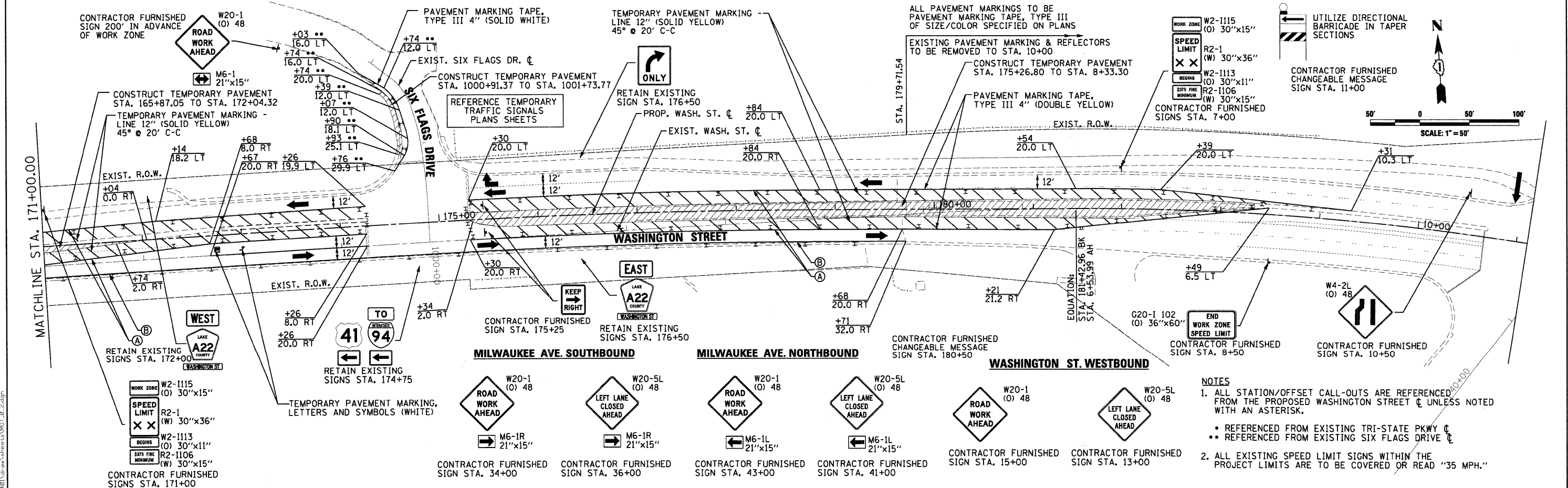
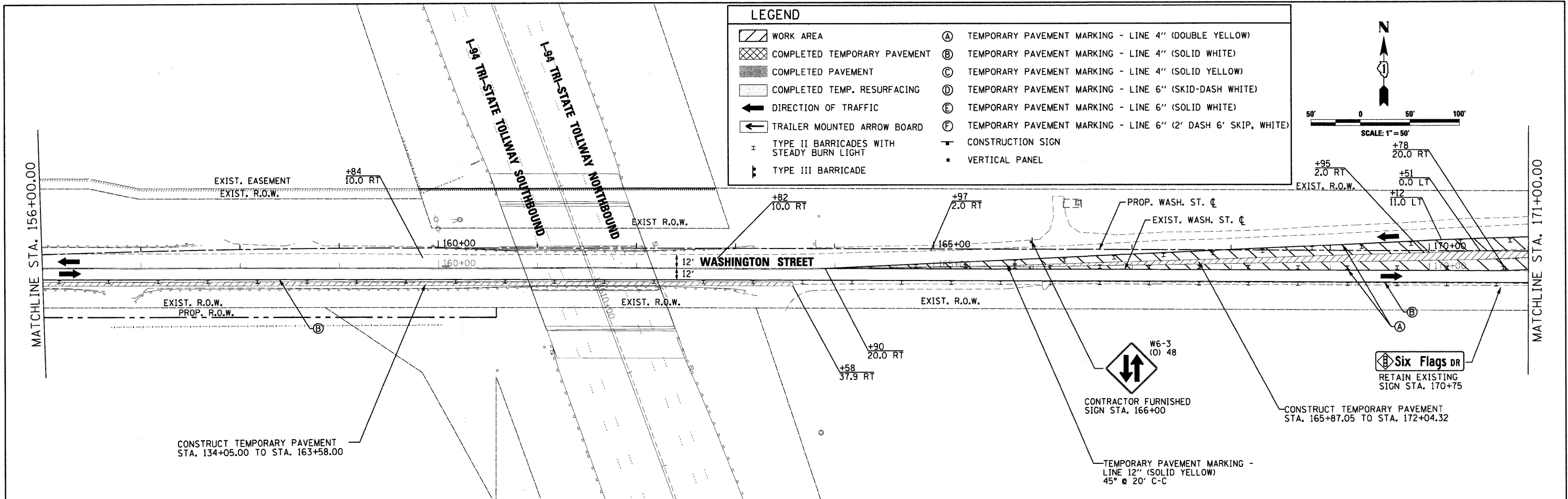
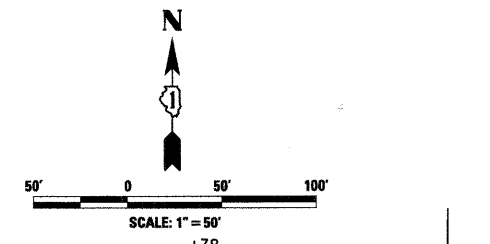


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						CONTRACT NO. 63209 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

LEGEND

WORK AREA	Ⓐ TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
COMPLETED TEMPORARY PAVEMENT	Ⓑ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
COMPLETED PAVEMENT	Ⓒ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
COMPLETED TEMP. RESURFACING	Ⓓ TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
DIRECTION OF TRAFFIC	Ⓔ TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
TRAILER MOUNTED ARROW BOARD	Ⓚ TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
TYPE II BARRICADES WITH STEADY BURN LIGHT	Ⓛ CONSTRUCTION SIGN
TYPE III BARRICADE	▪ VERTICAL PANEL



- #### NOTES
- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET CENTERLINE UNLESS NOTED WITH AN ASTERISK.
 - REFERENCED FROM EXISTING TRI-STATE PKWY CENTERLINE
 - REFERENCED FROM EXISTING SIX FLAGS DRIVE CENTERLINE
 - ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."

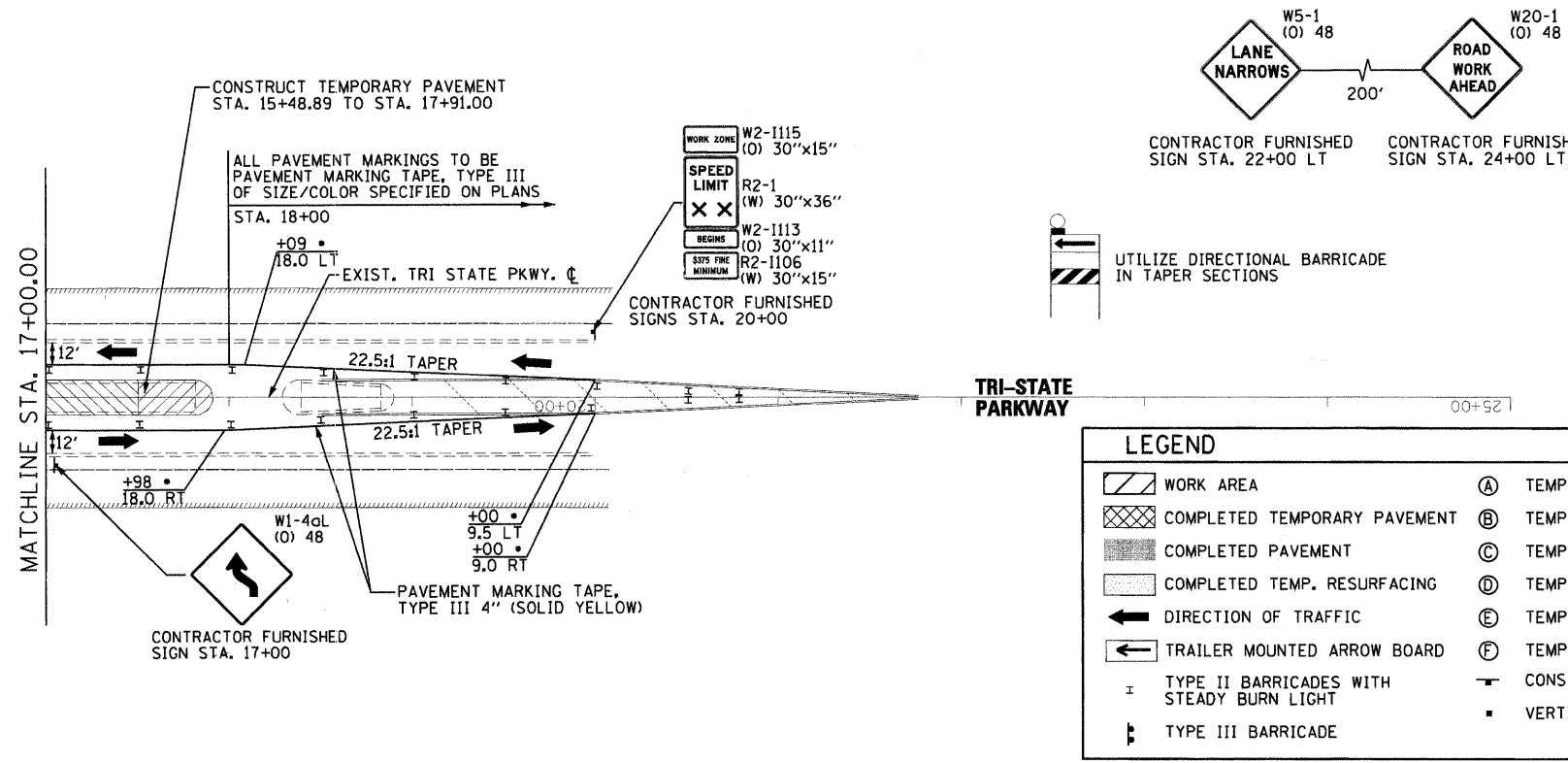


USER NAME = Monica Grinson	DESIGNED - SJP	REVISIONS
PLOT SCALE = 5/8" = 1' IN.	DRAWN - SJP	REVISIONS
PLOT DATE = 07/15/09	CHECKED - KDN	REVISIONS
	DATE - 07/15/09	REVISIONS



MAINTENANCE OF TRAFFIC PRE-STAGE PLAN		
SCALE: 50'=1"	SHEET NO. 5 OF 24 SHEETS	STA. 156+00 TO STA. 11+11.03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	32
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	



NOTES

- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET C UNLESS NOTED WITH AN ASTERISK.
 - REFERENCED FROM EXISTING TRI-STATE PKWY C
 - REFERENCED FROM EXISTING SIX FLAGS DRIVE C
- ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."

SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
ROAD WORK AHEAD	W20-1 (O) 48	-	122+50	EB	-	X	-	-	-
RIGHT LANE CLOSED AHEAD	W20-5R (O) 48	-	124+00	EB	-	X	-	-	-
RIGHT LANE DROP	W4-2R (O) 48	-	125+75	EB	-	X	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	-	127+75	EB	-	X	-	-	-
END WORK ZONE SPEED LIMIT	G20-1103 (O) 36x60	-	134+00	WB	-	X	-	-	-
TRI-STATE PKWY SIGNAL AHEAD	-	137+15	137+00	EB	-	-	4.5	-	-
WASHINGTON STREET WEST	-	139+00	139+00	WB	X	-	-	-	-
ENTRANCE	SEE LC7201	-	140+90	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	140+90	EB	-	X	-	-	-
STOP HERE ON RED	R10-6A 24x30	-	15+30 (TRI-ST.)	SB	-	X	-	-	-
LANE NARROWS	W5-1 (O) 48	-	22+00 (TRI-ST.)	SB	-	X	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	-	24+00 (TRI-ST.)	SB	-	X	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	-	20+00 (TRI-ST.)	SB	-	X	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 48	-	17+00 (TRI-ST.)	NB	-	X	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 49	-	142+00	EB	-	X	-	-	-
WASHINGTON STREET EAST	-	144+00	144+00	EB	-	-	-	B	-
ROAD WORK AHEAD	W20-1 (O) 48	-	144+00	WB	-	X	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	-	144+00	WB	-	X	-	-	-
TWO WAY TRAFFIC	W6-3 (O) 48	-	145+50	EB	-	X	-	-	-
TRI-STATE PKWY SIGNAL AHEAD	-	145+90	145+90	WB	X	-	-	-	-
ENTRANCE	SEE LC7201	-	152+42	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	152+42	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	153+40	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	153+40	EB	-	X	-	-	-
SHARE THE DRIVE	-	154+70	154+70	EB	X	-	-	-	-

SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
ENTRANCE	SEE LC7201	-	154+90	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	154+90	EB	-	X	-	-	-
TWO WAY TRAFFIC	W6-3 (O) 48	-	166+00	EB	-	X	-	-	-
SIX FLAGS DR SIGNAL AHEAD	-	170+75	170+75	EB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	-	171+00	WB	-	X	-	-	-
WASHINGTON STREET WEST	-	172+00	172+00	WB	X	-	-	-	-
I-94 / US 41 WITH SUPP. LT. ARROWS	-	174+75	174+75	EB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	-	(SIX FLG)	SB	-	X	-	-	-
RIGHT/LEFT ARROW (SUPPLEMENTAL)	M6-1 21x15	-	(SIX FLG)	SB	-	X	-	-	-
RIGHT TURN ONLY	-	176+50	176+50	WB	X	-	-	-	-
WASHINGTON STREET EAST	-	176+50	176+50	EB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	-	7+00	WB	-	X	-	-	-
END WORK ZONE SPEED LIMIT	G20-1103 (O) 36x60	-	8+50	EB	-	X	-	-	-
LEFT LANE DROP	W4-2L (O) 48	-	10+50	WB	-	X	-	-	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	-	13+00	WB	-	X	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	-	15+00	WB	-	X	-	-	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	-	41+00 (MIL. AVE.)	NB	-	X	-	-	-
LEFT ARROW (SUPPLEMENTAL)	M6-1L 21x15	-	41+00 (MIL. AVE.)	NB	-	X	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	-	43+00 (MIL. AVE.)	NB	-	X	-	-	-
LEFT ARROW (SUPPLEMENTAL)	M6-1L 21x15	-	43+00 (MIL. AVE.)	NB	-	X	-	-	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	-	36+00 (MIL. AVE.)	SB	-	X	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	-	36+00 (MIL. AVE.)	SB	-	X	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	-	34+00 (MIL. AVE.)	SB	-	X	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	-	34+00 (MIL. AVE.)	SB	-	X	-	-	-

NOTE
"X" QUANTITY INCLUDED IN COST FOR TRAFFIC CONTROL AND PROTECTION (70101700)

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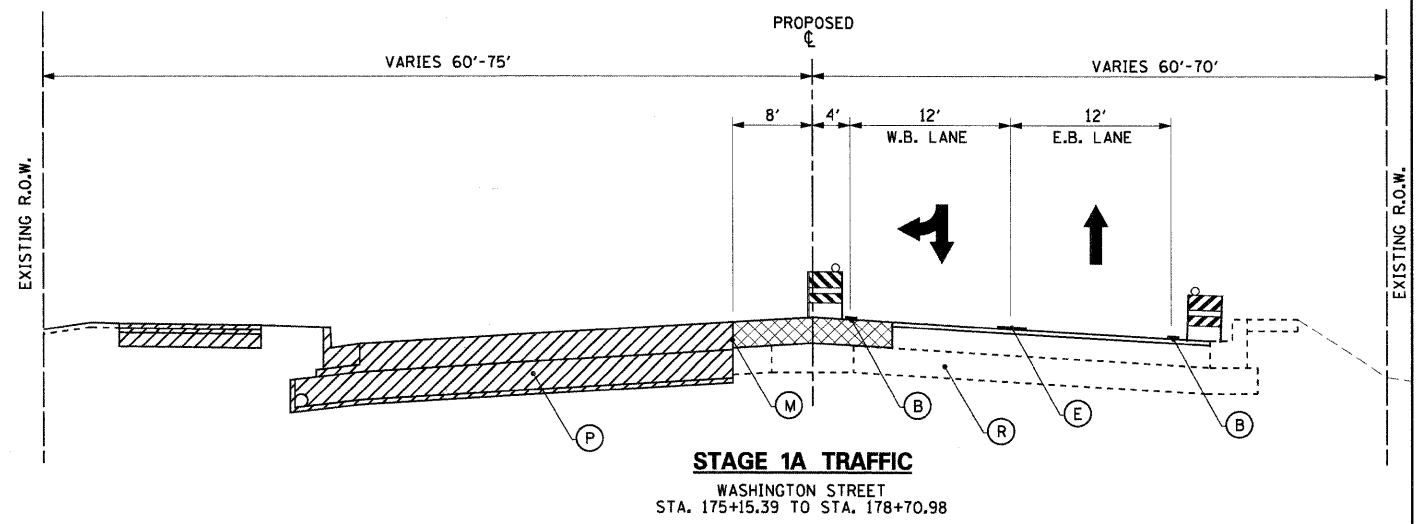
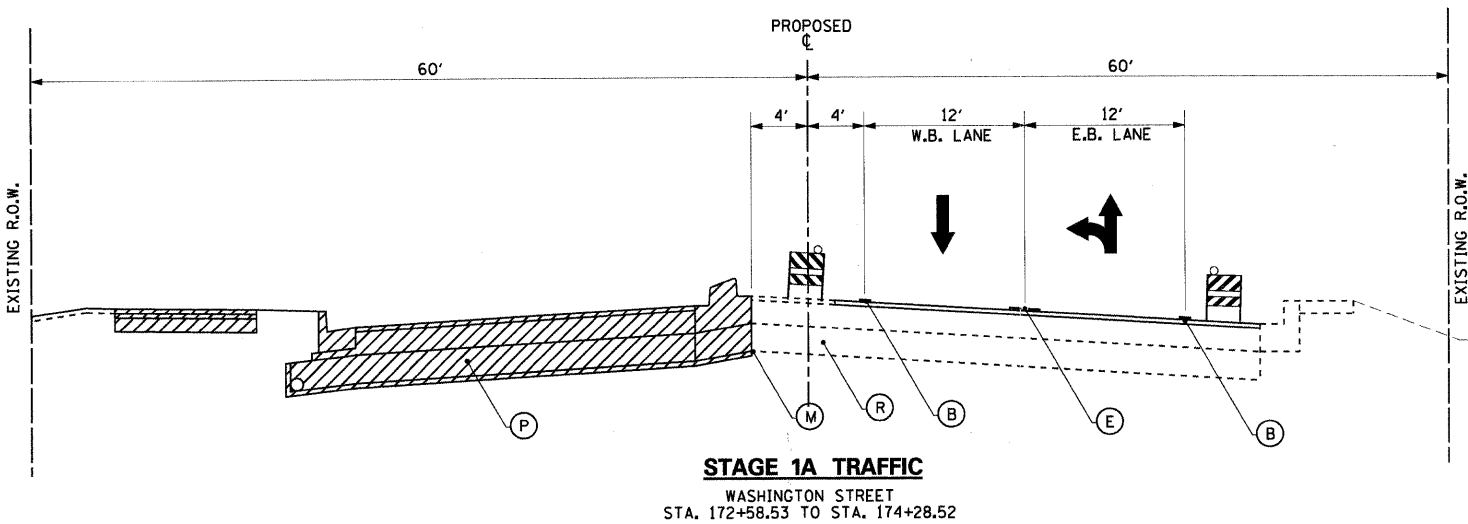
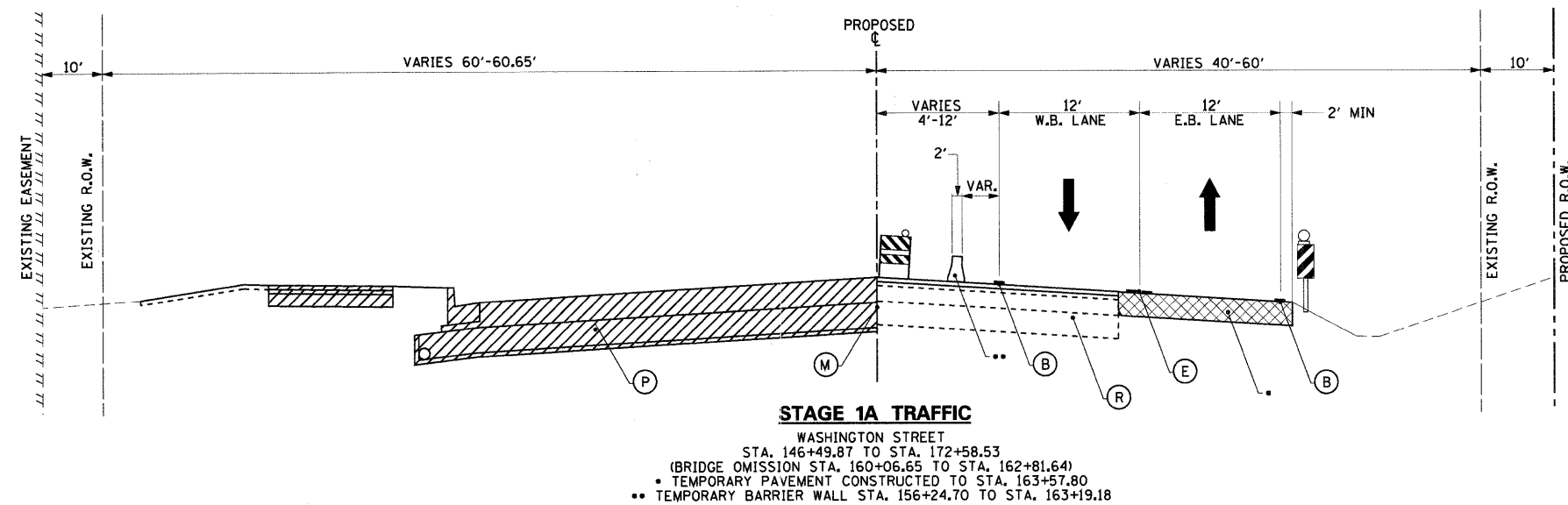
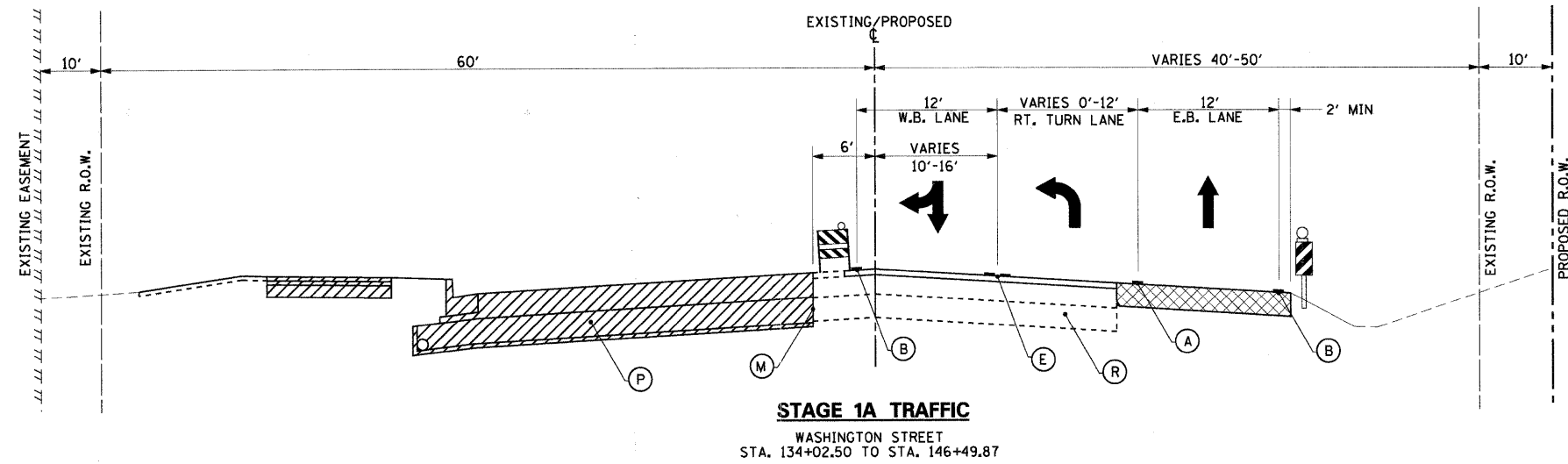


USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



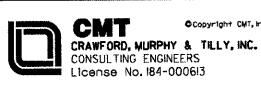
MAINTENANCE OF TRAFFIC PRE-STAGE PLAN			
SCALE: 50'=1"	SHEET NO. 6 OF 24 SHEETS	STA. 17+00 TO STA. 25+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	33
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND	
(A) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID, WHITE, 70300240)	(N) PROPOSED SHOULDER
(B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, WHITE, 70300220)	(O) EXISTING SHOULDER
(C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, YELLOW, 70300220)	(P) PROPOSED PAVEMENT
(D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 70300240)	(R) EXISTING PAVEMENT
(E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, DOUBLE YELLOW, 70300220)	(S) COMPLETED SHOULDER
(F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE, 70300240)	(T) COMPLETED PAVEMENT
(G) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID, YELLOW, 70300260)	(U) TYPE II BARRICADES WITH STEADY BURNING LIGHT
(H) THERMOPLASTIC PAVEMENT MARKING LINE, 4", DOUBLE, YELLOW, 7800105)	
(I) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SOLID, WHITE, 7800115)	
(J) THERMOPLASTIC PAVEMENT MARKING LINE, 6", 2' DASH 6' SKIP, WHITE, 7800115)	
(K) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SKIP-DASH, WHITE, 7800115)	
(L) THERMOPLASTIC PAVEMENT MARKING LINE, 12", SOLID, YELLOW, 7800140)	
(M) FULL DEPTH SAW CUTS (44213200)	
TEMPORARY BARRIER WALL	
DIRECTION OF TRAFFIC	
WORK ZONE	
TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE	
EXISTING PAVEMENT	
PROPOSED PAVEMENT	
VERTICAL PANEL, POST MOUNTED	

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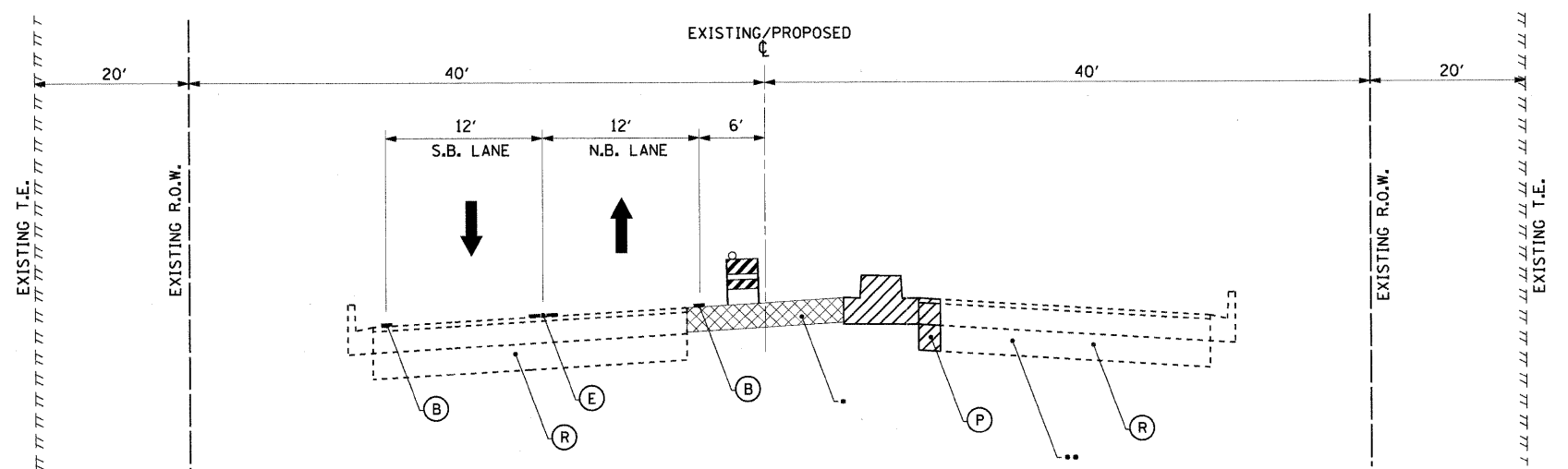


USER NAME = Marisa Crinson	DESIGNED - SJP	REVISOR -
PLLOT SCALE = 20,000 / IN.	DRAWN - SJP	REVISOR -
PLLOT DATE = 07/15/09	CHECKED - KDN	REVISOR -
	DATE - 07/15/09	REVISOR -



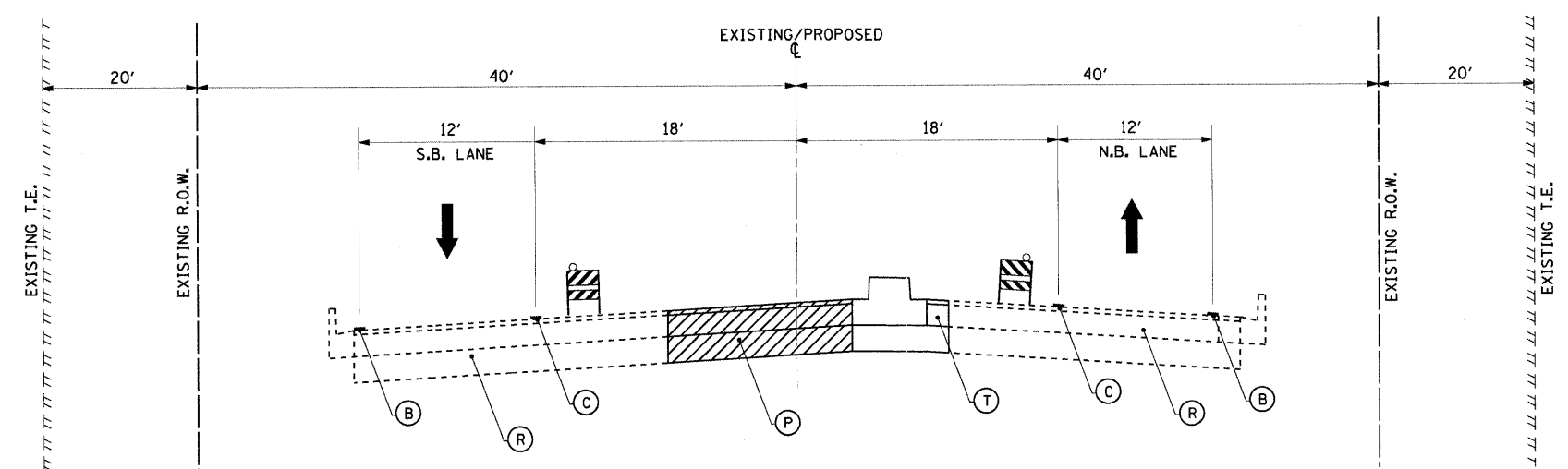
MAINTENANCE OF TRAFFIC - STAGE 1 TYPICAL SECTIONS	
SCALE: N.T.S.	SHEET NO. 7 OF 24 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	34
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

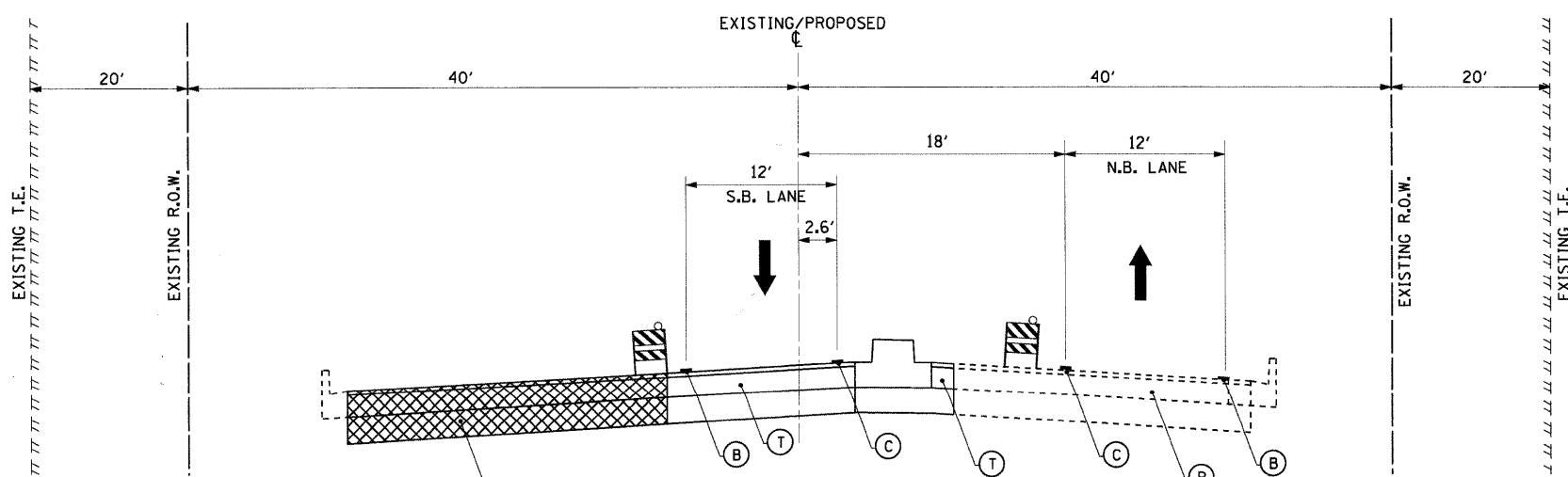


STAGE 1A TRAFFIC
 TRI-STATE PARKWAY
 STA. 15+27.00 - STA. 17+11.95

• TEMPORARY PAVEMENT CONSTRUCTED FROM STA. 15+48.89
 •• NB TRI-STATE FULL DEPTH RECONSTRUCT TO STA. 16+12.78



STAGE 1B TRAFFIC
 TRI-STATE PARKWAY
 STA. 15+27.00 - STA. 18+50.60



STAGE 1C TRAFFIC
 TRI-STATE PARKWAY
 STA. 15+27.00 - STA. 17+11.43

LEGEND	
(A) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID, WHITE, 70300240)	(N) PROPOSED SHOULDER
(B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, WHITE, 70300220)	(O) EXISTING SHOULDER
(C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, YELLOW, 70300220)	(P) PROPOSED PAVEMENT
(D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 70300240)	(R) EXISTING PAVEMENT
(E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, DOUBLE YELLOW, 70300220)	(S) COMPLETED SHOULDER
(F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE, 70300240)	(T) COMPLETED PAVEMENT
(G) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID, YELLOW, 70300260)	(V) TYPE II BARRICADES WITH STEADY BURNING LIGHT
(H) THERMOPLASTIC PAVEMENT MARKING LINE, 4", DOUBLE, YELLOW, 7800105)	
(I) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SOLID, WHITE, 7800115)	
(J) THERMOPLASTIC PAVEMENT MARKING LINE, 6", 2' DASH 6' SKIP, WHITE, 7800115)	
(K) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SKIP-DASH, WHITE, 7800115)	
(L) THERMOPLASTIC PAVEMENT MARKING LINE, 12", SOLID, YELLOW, 7800140)	
(M) FULL DEPTH SAW CUTS (44213200)	
TEMPORARY BARRIER WALL	
DIRECTION OF TRAFFIC	
WORK ZONE	
TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE	
EXISTING PAVEMENT	
PROPOSED PAVEMENT	
VERTICAL PANEL, POST MOUNTED	

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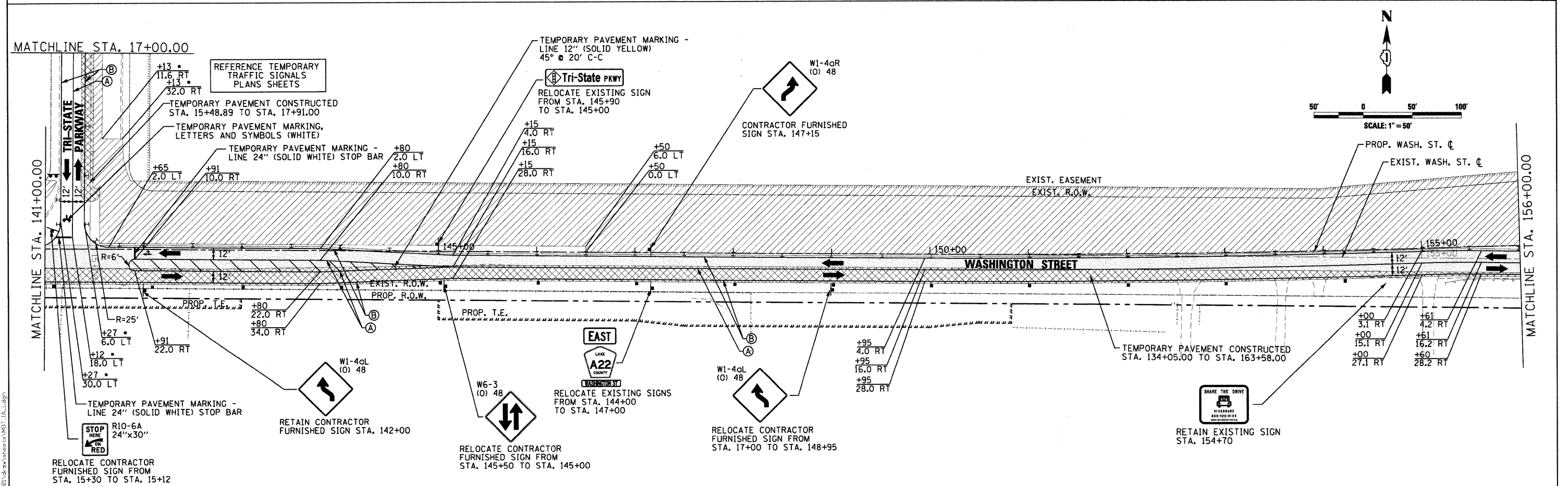
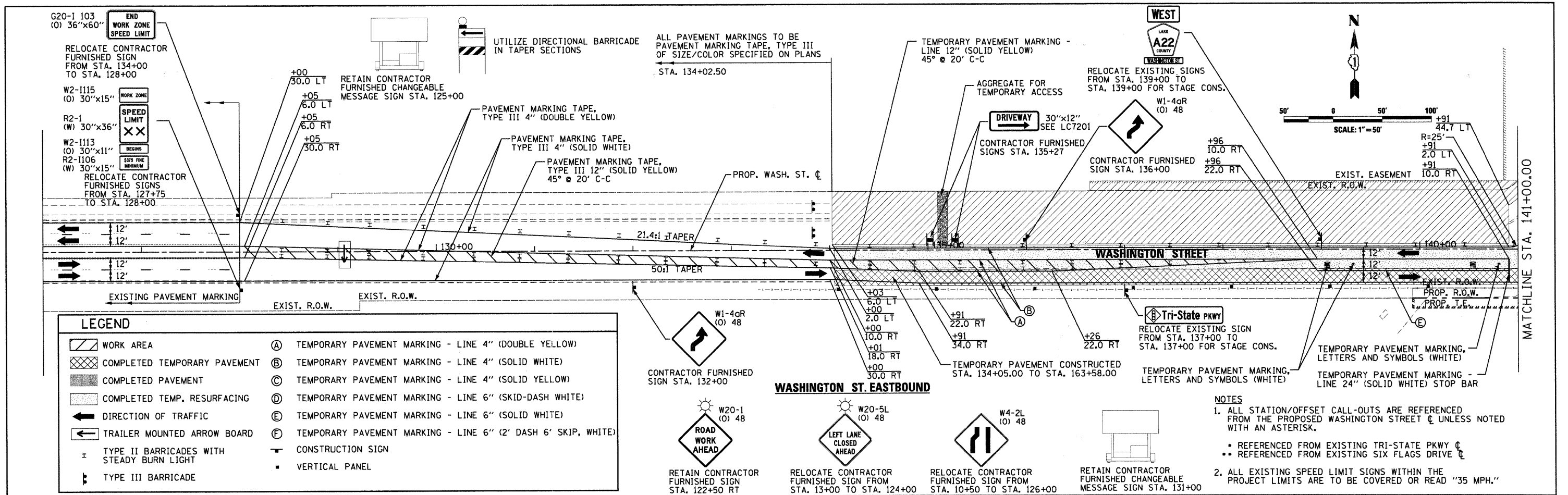


USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -

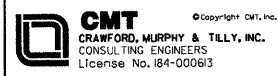


MAINTENANCE OF TRAFFIC - STAGE 1			
TYPICAL SECTIONS			
SCALE: N.T.S.	SHEET NO. 8 OF 24 SHEETS	STA. N/A TO STA. N/A	

F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 35
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 50.0000 / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 25/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -

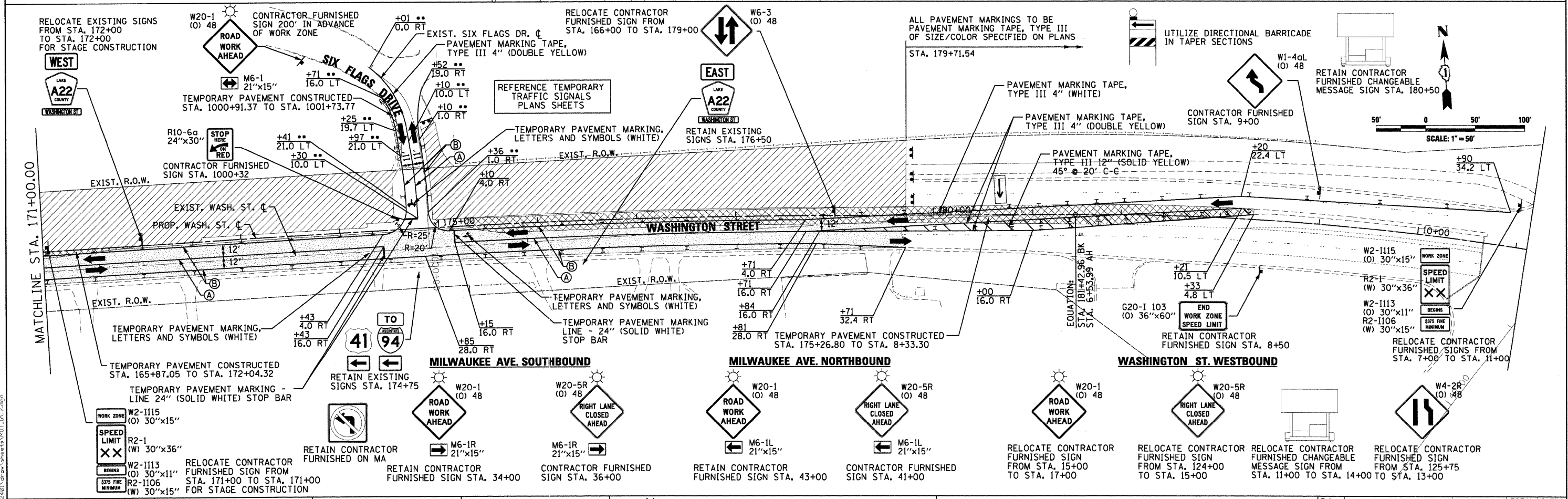
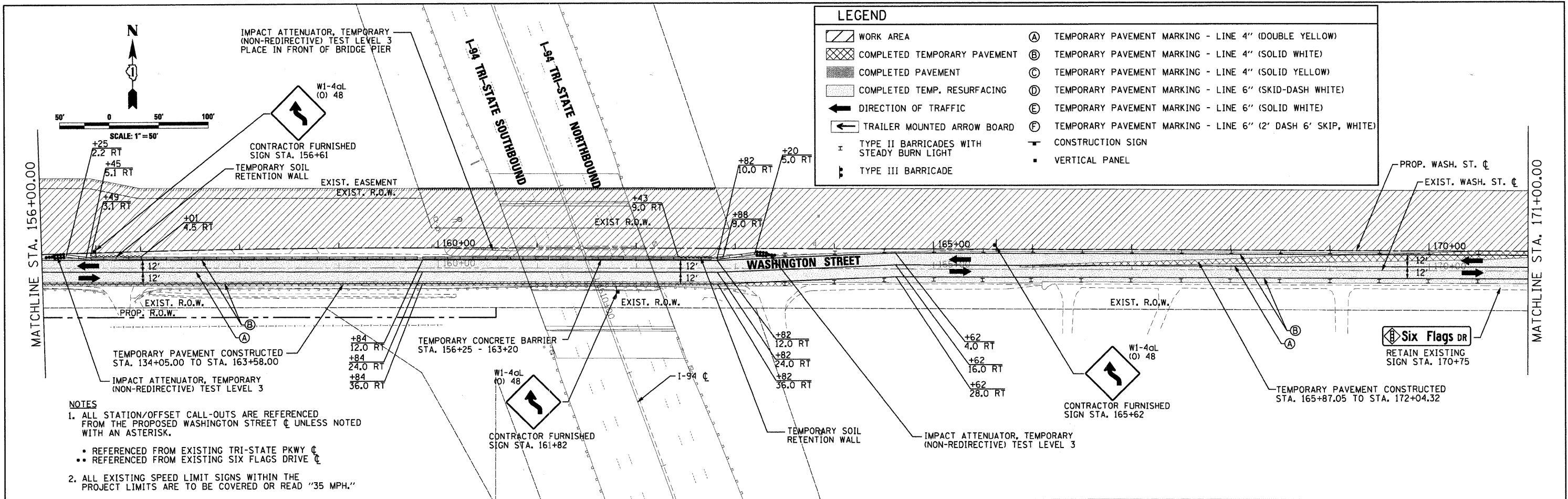


MAINTENANCE OF TRAFFIC STAGE 1A PLAN		
SCALE: 50'=1"	SHEET NO. 9 OF 24 SHEETS	STA. 126+00 TO STA. 156+00

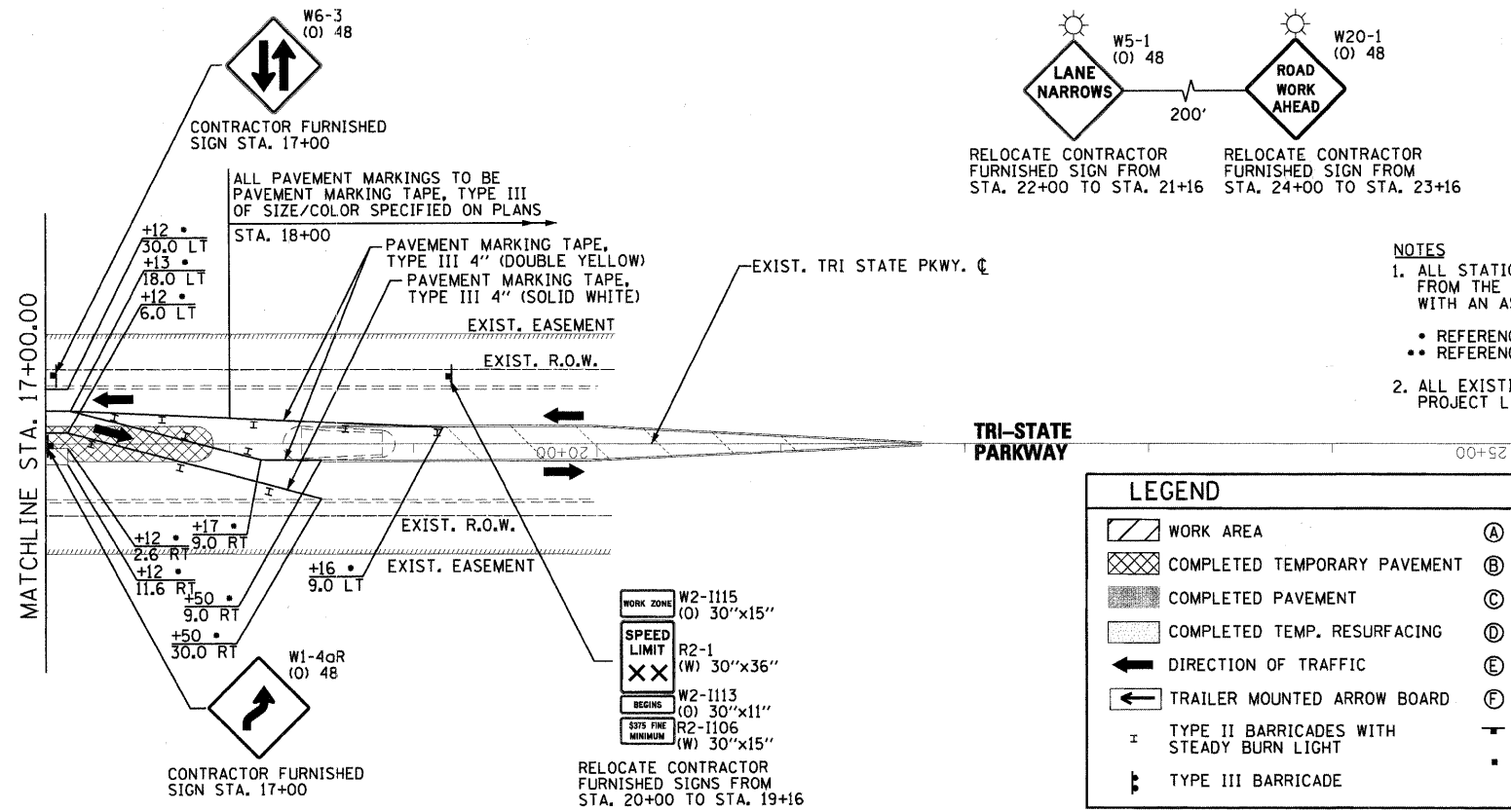
F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 36
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	

LEGEND

	WORK AREA	(A)	TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
	COMPLETED TEMPORARY PAVEMENT	(B)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
	COMPLETED PAVEMENT	(C)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
	COMPLETED TEMP. RESURFACING	(D)	TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
	DIRECTION OF TRAFFIC	(E)	TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
	TRAILER MOUNTED ARROW BOARD	(F)	TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
	TYPE II BARRICADES WITH STEADY BURN LIGHT	—	CONSTRUCTION SIGN
	TYPE III BARRICADE	■	VERTICAL PANEL



 CMT CRANFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Monica Crisman DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 07/15/09	REVISIONS REVISIONS REVISIONS REVISIONS	 Lake County Division of Transportation	MAINTENANCE OF TRAFFIC STAGE 1A PLAN SCALE: 50'=1" SHEET NO. 10 OF 24 SHEETS STA. 156+00 TO STA. 11+11.03		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 37
				CONTRACT NO. 63209 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



NOTES

- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET CL UNLESS NOTED WITH AN ASTERISK.
 - * REFERENCED FROM EXISTING TRI-STATE PKWY CL
 - ** REFERENCED FROM EXISTING SIX FLAGS DRIVE CL
- ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."

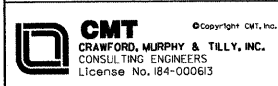
LEGEND	
	WORK AREA
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED PAVEMENT
	COMPLETED TEMP. RESURFACING
	DIRECTION OF TRAFFIC
	TRAILER MOUNTED ARROW BOARD
	TYPE II BARRICADES WITH STEADY BURN LIGHT
	TYPE III BARRICADE
	TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
	TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
	TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
	TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
	CONSTRUCTION SIGN
	VERTICAL PANEL

SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
ROAD WORK AHEAD	W20-1 (O) 48	122+50	122+50	EB	X	-	-	-	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	13+00	124+00	EB	-	-	-	X	-
LEFT LANE DROP	W4-2L (O) 48	10+50	126+00	EB	-	-	-	X	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	127+75	128+00	EB	-	-	-	X	-
END WORK ZONE SPEED LIMIT	G20-1103 (O) 36x60	134+00	128+00	WB	-	-	-	X	-
REVERSE CURVE RIGHT	W1-4aR (O) 48	-	132+00	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	135+27	WB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	135+27	WB	-	X	-	-	-
REVERSE CURVE RIGHT	W1-4aR (O) 48	-	136+00	WB	-	X	-	-	-
TRI-STATE PKWY SIGNAL AHEAD	-	137+00	137+00	EB	-	-	4.5	-	-
WASHINGTON STREET WEST	-	139+00	139+00	WB	-	-	-	B	-
STOP HERE ON RED	R10-6A 24x30	15+30 (TRI-ST.)	15+12 (TRI-ST.)	SB	-	-	X	-	-
REVERSE CURVE RIGHT	W1-4aR (O) 48	-	17+00 (TRI-ST.)	NB	-	X	-	-	-
TWO WAY TRAFFIC	W6-3 (O) 48	-	17+00 (TRI-ST.)	SB	-	X	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	20+00 (TRI-ST.)	19+16 (TRI-ST.)	SB	-	-	-	X	-
LANE NARROWS	W5-1 (O) 48	22+00 (TRI-ST.)	21+16 (TRI-ST.)	SB	-	-	-	X	-
ROAD WORK AHEAD	W20-1 (O) 48	24+00 (TRI-ST.)	23+16 (TRI-ST.)	SB	-	-	-	X	-
REVERSE CURVE LEFT	W1-4aL (O) 48	142+00	142+00	EB	X	-	-	-	-
TWO WAY TRAFFIC	W6-3 (O) 48	145+50	145+00	EB	-	-	-	X	-
TRI-STATE PKWY SIGNAL AHEAD	-	145+90	145+00	WB	-	-	4.5	-	-
WASHINGTON STREET EAST	-	144+00	147+00	EB	-	-	-	B	-
REVERSE CURVE RIGHT	W1-4aR (O) 48	-	147+15	WB	-	X	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 48	17+00 (TRI-ST.)	148+95	EB	-	-	-	X	-
SHARE THE DRIVE	-	154+70	154+70	EB	X	-	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 48	-	156+61	WB	-	X	-	-	-

SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
REVERSE CURVE LEFT	W1-4aL (O) 48	-	161+82	EB	-	X	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 48	-	165+62	WB	-	X	-	-	-
SIX FLAGS DR SIGNAL AHEAD	-	170+75	170+75	EB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	171+00	171+00	WB	-	-	-	-	-
WASHINGTON STREET WEST	-	172+00	172+00	WB	-	-	-	B	-
STOP HERE ON RED	R10-6A 24x30	-	1000+32 (SIX FLG.)	SB	-	X	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	(SIX FLG.)	(SIX FLG.)	SB	X	-	-	-	-
RIGHT/LEFT ARROW (SUPPLEMENTAL)	M6-1 21x15	(SIX FLG.)	(SIX FLG.)	SB	-	-	-	-	-
I-94 / US 41 WITH SUPP. LT. ARROWS	-	174+75	174+75	EB	X	-	-	-	-
WASHINGTON STREET EAST	-	176+50	176+50	EB	X	-	-	-	-
TWO WAY TRAFFIC	W6-3 (O) 48	166+00	179+00	WB	-	-	-	X	-
END WORK ZONE SPEED LIMIT	G20-1103 (O) 36x60	8+50	8+50	EB	X	-	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 48	-	9+00	WB	-	X	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	7+00	11+00	WB	-	-	-	X	-
RIGHT LANE DROP	W4-2R (O) 48	125+75	13+00	WB	-	-	-	X	-
RIGHT LANE CLOSED AHEAD	W20-5R (O) 48	124+00	15+00	WB	-	-	-	X	-
ROAD WORK AHEAD	W20-1 (O) 48	15+00	17+00	WB	-	-	-	X	-
RIGHT LANE CLOSED AHEAD	W20-5R (O) 48	-	41+00 (MIL. AVE.)	NB	-	X	-	-	-
LEFT ARROW (SUPPLEMENTAL)	M6-1L 21x15	41+00 (MIL. AVE.)	41+00 (MIL. AVE.)	NB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	43+00 (MIL. AVE.)	43+00 (MIL. AVE.)	NB	X	-	-	-	-
LEFT ARROW (SUPPLEMENTAL)	M6-1L 21x15	43+00 (MIL. AVE.)	43+00 (MIL. AVE.)	NB	X	-	-	-	-
RIGHT LANE CLOSED AHEAD	W20-5R (O) 48	-	36+00 (MIL. AVE.)	SB	-	X	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	36+00 (MIL. AVE.)	36+00 (MIL. AVE.)	SB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	34+00 (MIL. AVE.)	34+00 (MIL. AVE.)	SB	X	-	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	34+00 (MIL. AVE.)	34+00 (MIL. AVE.)	SB	X	-	-	-	-

NOTE
"X" QUANTITY INCLUDED IN COST FOR TRAFFIC CONTROL AND PROTECTION (70101700)

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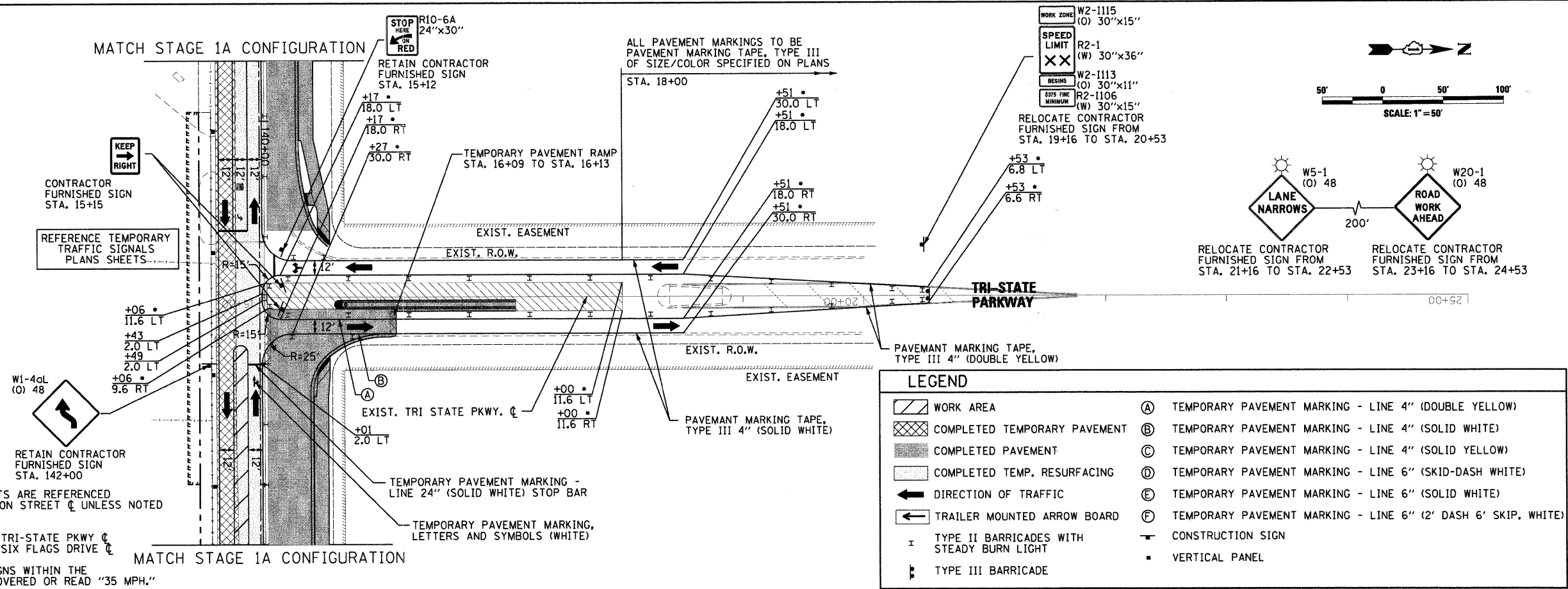
USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



MAINTENANCE OF TRAFFIC STAGE 1A PLAN		
SCALE: 50'=1"	SHEET NO. 11 OF 24 SHEETS	STA. 17+00 TO STA. 25+00

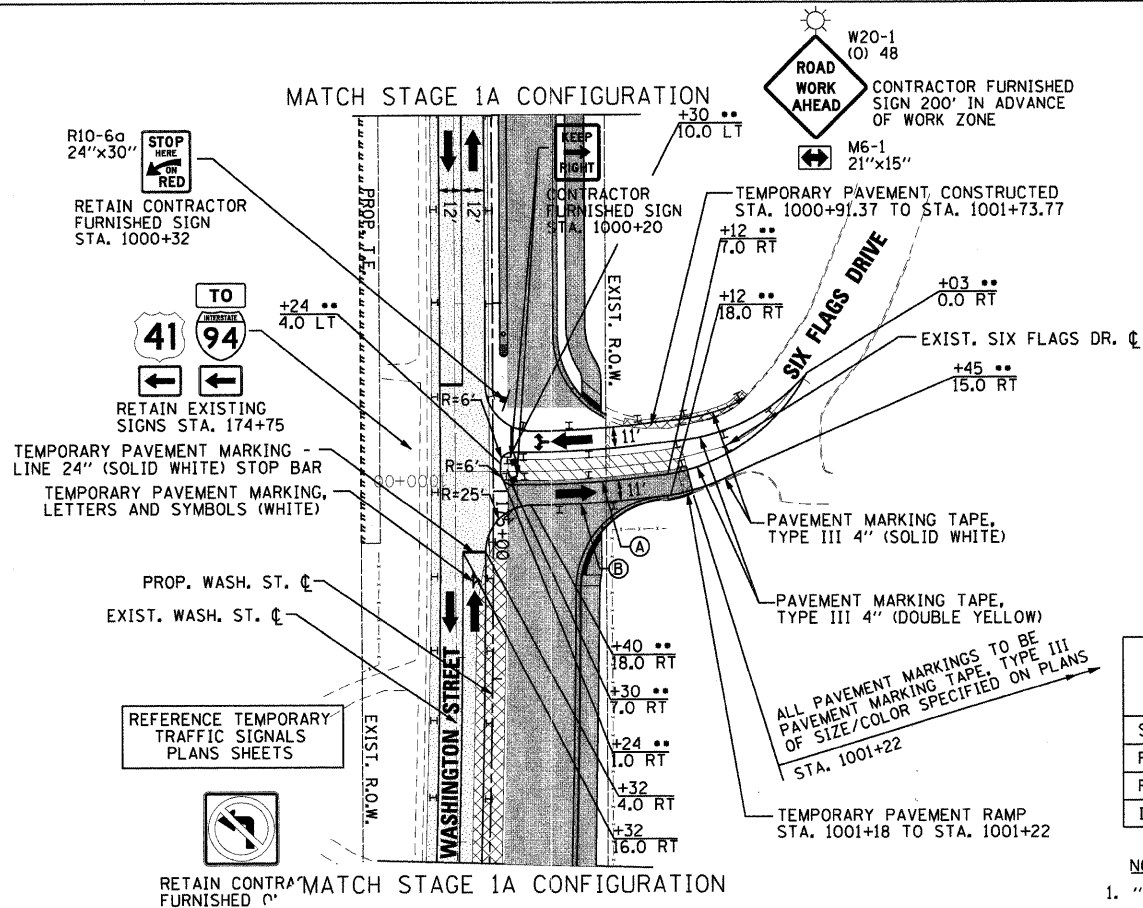
F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 38
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MATCH STAGE 1A CONFIGURATION



- NOTES**
- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET CL UNLESS NOTED WITH AN ASTERISK.
 - REFERENCED FROM EXISTING TRI-STATE PKWY CL
 - REFERENCED FROM EXISTING SIX FLAGS DRIVE CL
 - ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."

MATCH STAGE 1A CONFIGURATION



SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
STOP HERE ON RED	R10-6A 24x30	15+12 (TRI-ST.)	15+12 (TRI-ST.)	SB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30x36	19+16 (TRI-ST.)	20+53 (TRI-ST.)	SB	-	-	-	X	-
LANE NARROWS	W5-1 (O) 48	21+16 (TRI-ST.)	22+53 (TRI-ST.)	SB	-	-	-	X	-
ROAD WORK AHEAD	W20-1 (O) 48	23+16 (TRI-ST.)	24+53 (TRI-ST.)	SB	-	-	-	X	-
REVERSE CURVE LEFT	W1-4aL (O) 48	142+00	142+00	EB	X	-	-	-	-

SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
STOP HERE ON RED	R10-6A 24x30	1000+32 (SIX FLG)	1000+32 (SIX FLG)	SB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	(SIX FLG)	(SIX FLG)	SB	X	-	-	-	-
RIGHT/LEFT ARROW (SUPPLEMENTAL)	M6-1 21x15	(SIX FLG)	(SIX FLG)	SB	X	-	-	-	-
I-94 / US 41 WITH SUPP. LT. ARROWS	-	174+75	174+75	EB	X	-	-	-	-

- NOTE**
- "X" QUANTITY INCLUDED IN COST FOR TRAFFIC CONTROL AND PROTECTION (70101700)
 - ALL OTHER SIGNAGE NOT SHOWN IS TO REMAIN IN STAGE 1A CONFIGURATION

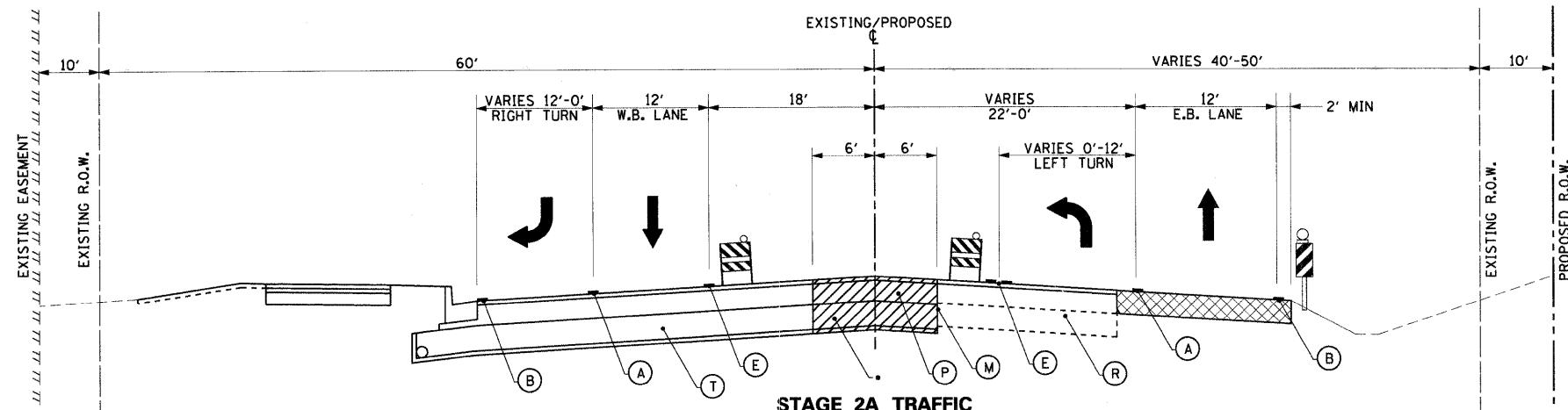


USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



MAINTENANCE OF TRAFFIC STAGE 1B PLAN			
SCALE: 50'-1"	SHEET NO. 12 OF 24 SHEETS	STA. _____	TO STA. _____

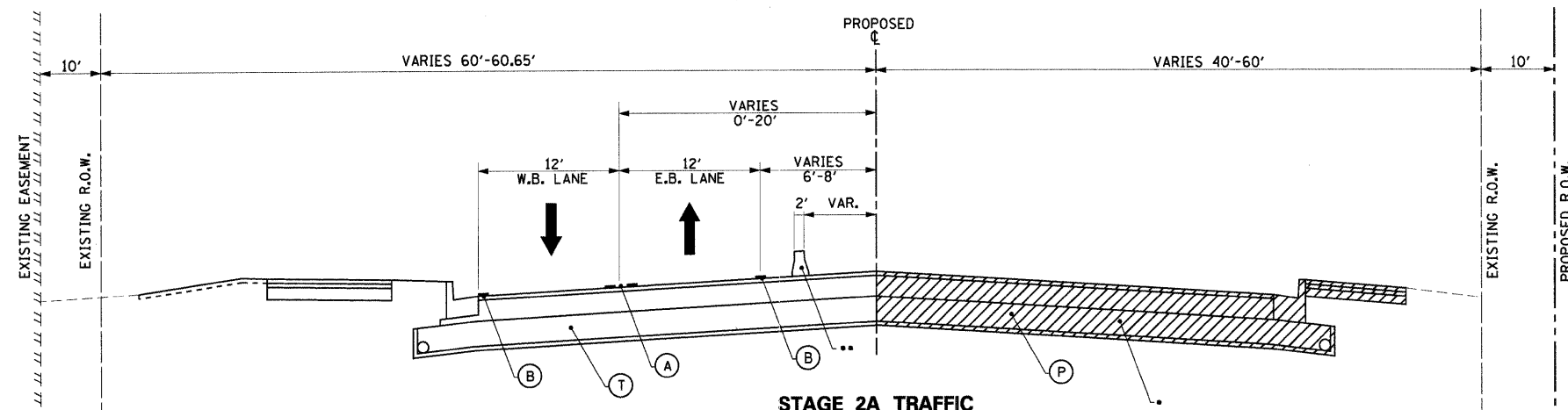
F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 39
CONTRACT NO. 63209				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



STAGE 2A TRAFFIC

WASHINGTON STREET
STA. 134+90.61 TO STA. 149+46.66

• CONSTRUCT PAVEMENT TO STA. 141+45.76

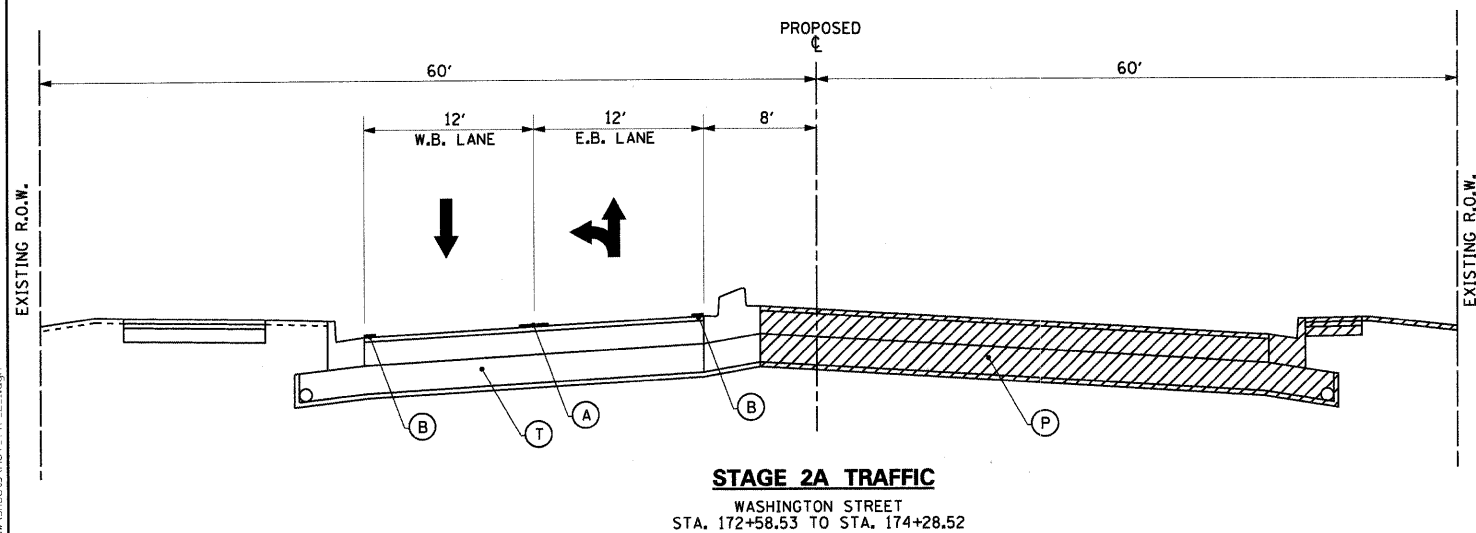


STAGE 2A TRAFFIC

WASHINGTON STREET
STA. 149+46.66 TO STA. 172+58.53
(BRIDGE OMISSION STA. 160+06.65 TO STA. 162+81.64)

• CONSTRUCT PAVEMENT FROM STA. 154+00
** TEMPORARY BARRIER WALL STA. 156+23.62 TO STA. 160+07.45
TEMPORARY BARRIER WALL STA. 162+81.34 TO STA. 163+69.58

LEGEND	
(A) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID, WHITE, 70300240)	(N) PROPOSED SHOULDER
(B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, WHITE, 70300220)	(O) EXISTING SHOULDER
(C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, YELLOW, 70300220)	(P) PROPOSED PAVEMENT
(D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 70300240)	(R) EXISTING PAVEMENT
(E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, DOUBLE YELLOW, 70300220)	(S) COMPLETED SHOULDER
(F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE, 70300240)	(T) COMPLETED PAVEMENT
(G) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID, YELLOW, 70300260)	(M) FULL DEPTH SAW CUTS (44213200)
(H) THERMOPLASTIC PAVEMENT MARKING LINE, 4", DOUBLE, YELLOW, 7800105)	(V) TEMPORARY BARRIER WALL
(I) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SOLID, WHITE, 7800115)	(D) DIRECTION OF TRAFFIC
(J) THERMOPLASTIC PAVEMENT MARKING LINE, 6", 2' DASH 6' SKIP, WHITE, 7800115)	(W) WORK ZONE
(K) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SKIP-DASH, WHITE, 7800115)	(TP) TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
(L) THERMOPLASTIC PAVEMENT MARKING LINE, 12", SOLID, YELLOW, 7800140)	(EP) EXISTING PAVEMENT
(M) FULL DEPTH SAW CUTS (44213200)	(PP) PROPOSED PAVEMENT
(V) TEMPORARY BARRIER WALL	(VP) VERTICAL PANEL, POST MOUNTED
(D) DIRECTION OF TRAFFIC	(TB) TYPE II BARRICADES WITH STEADY BURNING LIGHT
(W) WORK ZONE	
(TP) TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE	
(EP) EXISTING PAVEMENT	
(PP) PROPOSED PAVEMENT	
(VP) VERTICAL PANEL, POST MOUNTED	
(TB) TYPE II BARRICADES WITH STEADY BURNING LIGHT	



STAGE 2A TRAFFIC

WASHINGTON STREET
STA. 172+58.53 TO STA. 174+28.52

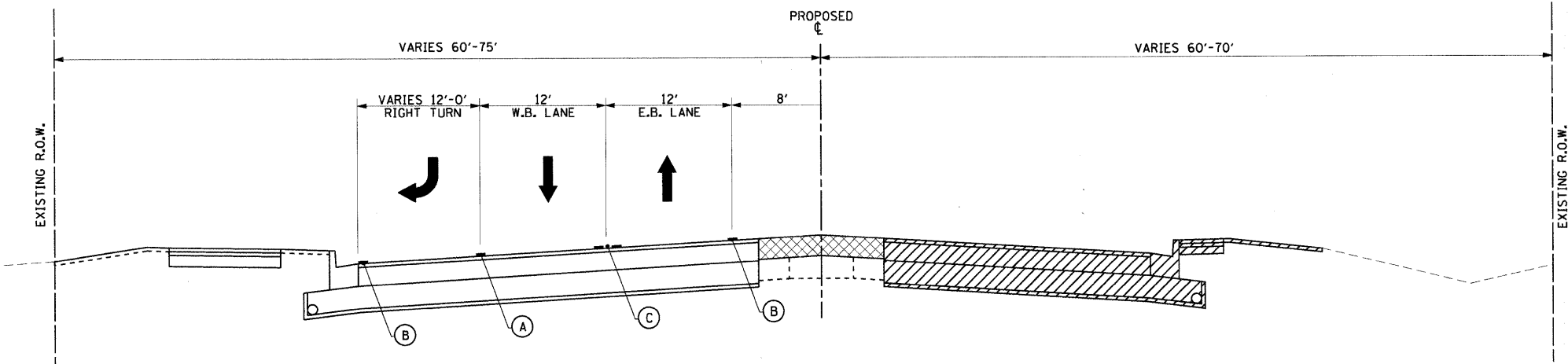
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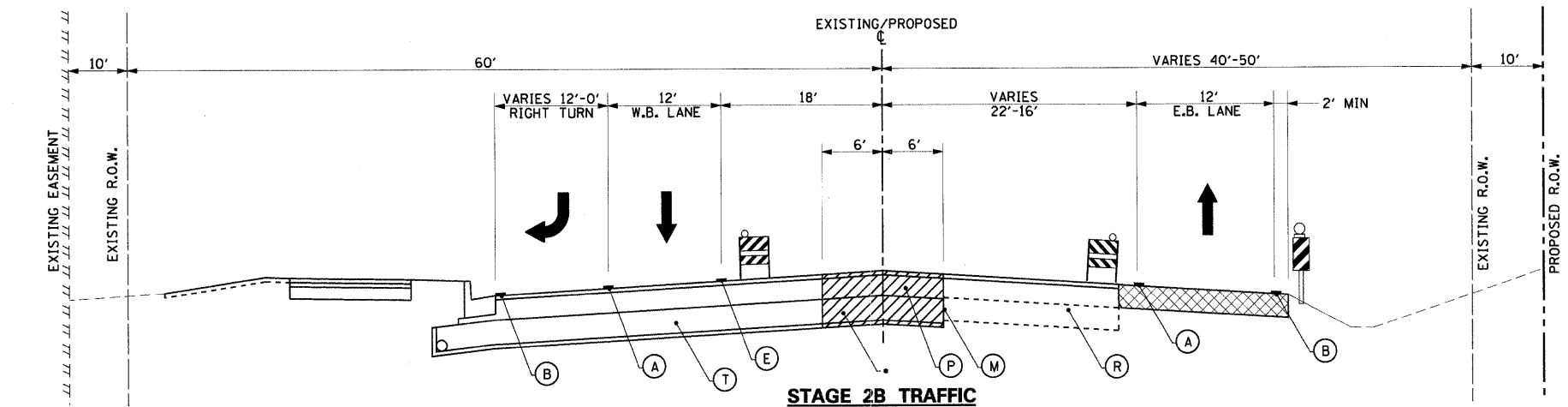
USER NAME = Monice Crinson	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -



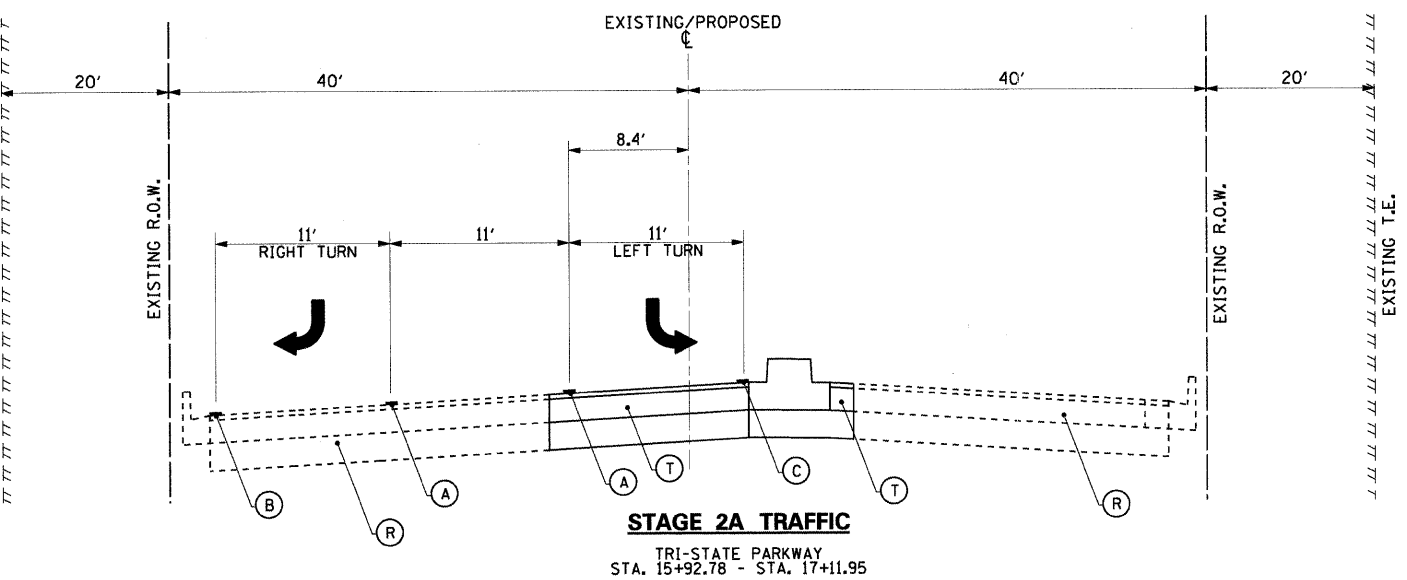
MAINTENANCE OF TRAFFIC - STAGE 2A AND 2B			
TYPICAL SECTIONS			
SCALE: N.T.S.	SHEET NO. 14 OF 24 SHEETS	STA. N/A TO STA. N/A	F.A. RTE. 1016
			SECTION 02-00110-12-WR
			COUNTY LAKE
			TOTAL SHEETS 206
			SHEET NO. 41
			CONTRACT NO. 63209
			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT



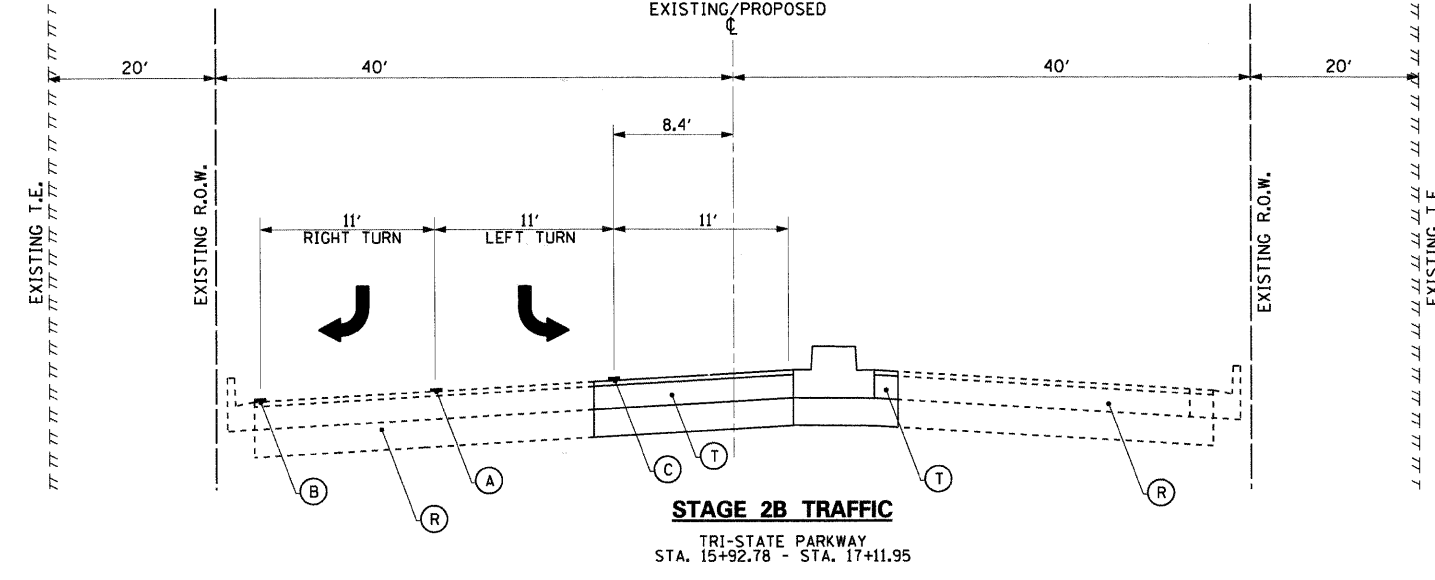
STAGE 2A TRAFFIC
 WASHINGTON STREET
 STA. 175+51.82 TO STA. 179+71.76



STAGE 2B TRAFFIC
 WASHINGTON STREET
 STA. 142+23.29 TO STA. 146+49.87
 • CONSTRUCT PAVEMENT FROM STA. 141+45.76 TO STA. 146+49.87

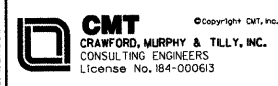


STAGE 2A TRAFFIC
 TRI-STATE PARKWAY
 STA. 15+92.78 - STA. 17+11.95



STAGE 2B TRAFFIC
 TRI-STATE PARKWAY
 STA. 15+92.78 - STA. 17+11.95

LEGEND	
(A) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID, WHITE, 70300240)	(N) PROPOSED SHOULDER
(B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, WHITE, 70300220)	(O) EXISTING SHOULDER
(C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, YELLOW, 70300220)	(P) PROPOSED PAVEMENT
(D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 70300240)	(R) EXISTING PAVEMENT
(E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, DOUBLE YELLOW, 70300220)	(S) COMPLETED SHOULDER
(F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE, 70300240)	(T) COMPLETED PAVEMENT
(G) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID, YELLOW, 70300260)	
(H) THERMOPLASTIC PAVEMENT MARKING LINE, 4", DOUBLE, YELLOW, 7800105)	
(I) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SOLID, WHITE, 7800115)	
(J) THERMOPLASTIC PAVEMENT MARKING LINE, 6", 2' DASH 6' SKIP, WHITE, 7800115)	
(K) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SKIP-DASH, WHITE, 7800115)	
(L) THERMOPLASTIC PAVEMENT MARKING LINE, 12", SOLID, YELLOW, 7800140)	
(M) FULL DEPTH SAW CUTS (44213200)	
TEMPORARY BARRIER WALL	PROPOSED SHOULDER
DIRECTION OF TRAFFIC	EXISTING SHOULDER
WORK ZONE	PROPOSED PAVEMENT
TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE	EXISTING PAVEMENT
EXISTING PAVEMENT	COMPLETED SHOULDER
PROPOSED PAVEMENT	COMPLETED PAVEMENT
VERTICAL PANEL, POST MOUNTED	TYPE II BARRICADES WITH STEADY BURNING LIGHT



USER NAME = Steve Prange
 PLOT SCALE = 20,0000' / IN.
 PLOT DATE = 05/29/09

DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

REVISED -
 REVISED -
 REVISED -
 REVISED -



MAINTENANCE OF TRAFFIC - STAGE 2A AND 2B
TYPICAL SECTIONS
 SCALE: N.T.S. SHEET NO. 15 OF 24 SHEETS STA. N/A TO STA. N/A

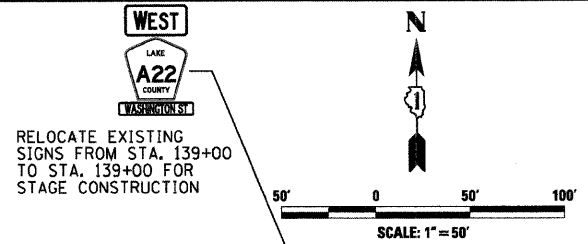
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63209

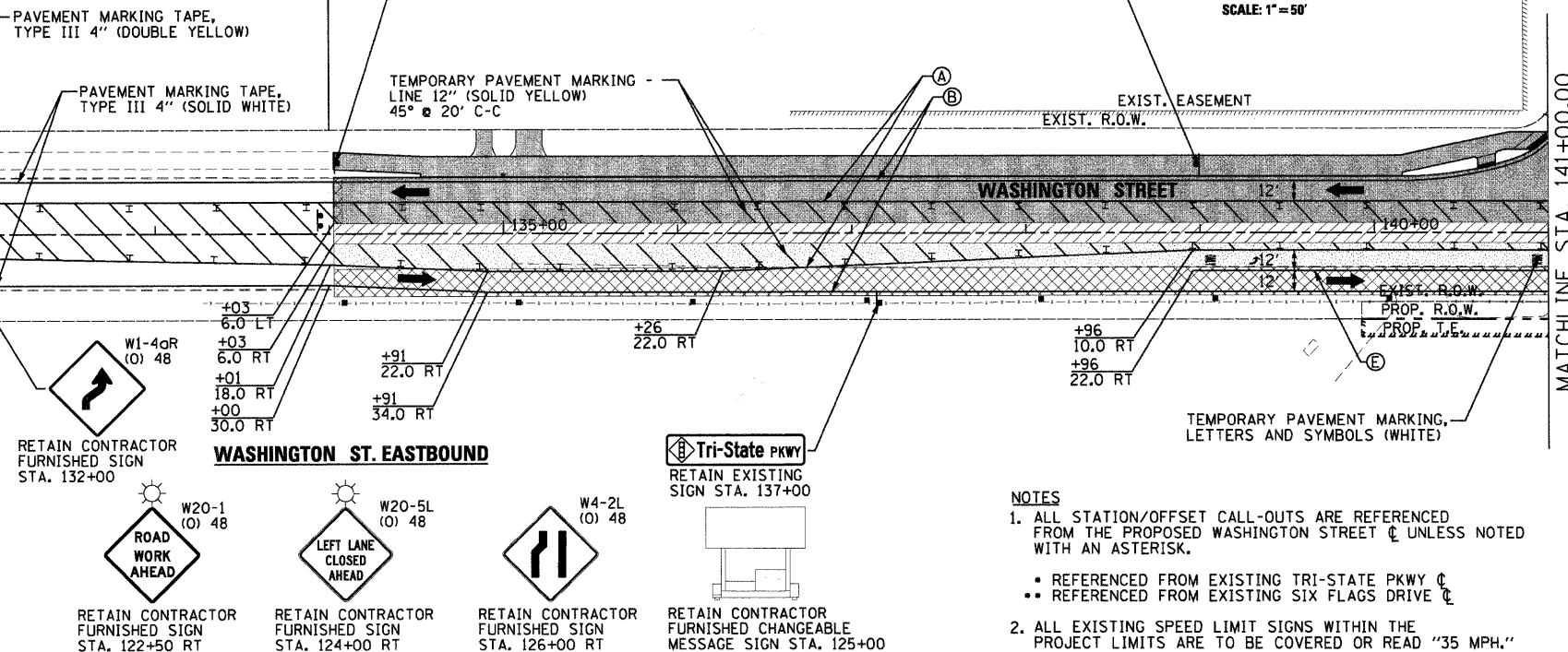
G20-1 103 (O) 36"x60" END WORK ZONE SPEED LIMIT
 RETAIN CONTRACTOR FURNISHED SIGN STA. 128+00

W2-1115 (O) 30"x15" WORK ZONE SPEED LIMIT
 R2-1 (W) 30"x36" SPEED LIMIT
 W2-1113 (O) 30"x11" REGIONS
 R2-1106 (W) 30"x15" SAFE FINE MESSAGE
 RETAIN CONTRACTOR FURNISHED SIGN STA. 128+00

ALL PAVEMENT MARKINGS TO BE PAVEMENT MARKING TAPE, TYPE III OF SIZE/COLOR SPECIFIED ON PLANS
 STA. 134+02.50



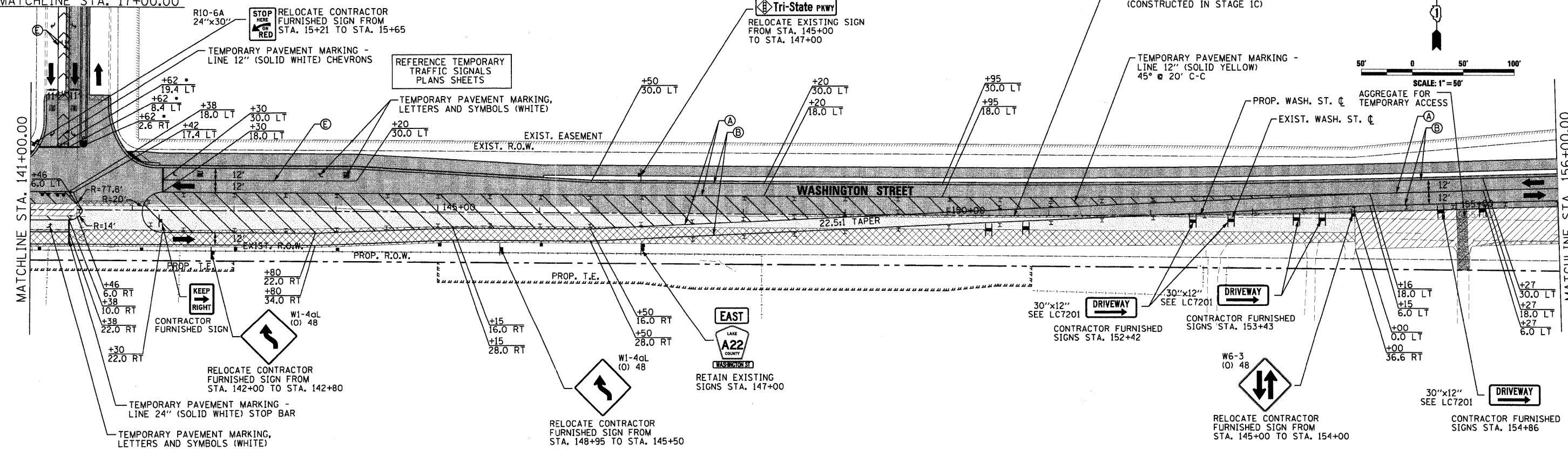
LEGEND	
	WORK AREA
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED PAVEMENT
	COMPLETED TEMP. RESURFACING
	DIRECTION OF TRAFFIC
	TRAILER MOUNTED ARROW BOARD
	TYPE II BARRICADES WITH STEADY BURN LIGHT
	TYPE III BARRICADE
(A)	TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
(B)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
(C)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
(D)	TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
(E)	TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
(F)	TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
	CONSTRUCTION SIGN
	VERTICAL PANEL



NOTES

- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET C UNLESS NOTED WITH AN ASTERISK.
 - * REFERENCED FROM EXISTING TRI-STATE PKWY C
 - ** REFERENCED FROM EXISTING SIX FLAGS DRIVE C
- ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."

MATCHLINE STA. 17+00.00



FILE NAME = J:\Projects\09224\01\Drawings\Sheet\W01_26_1.dwg

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-00063

USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 50.0/2000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -

LakeCounty
 Division of Transportation

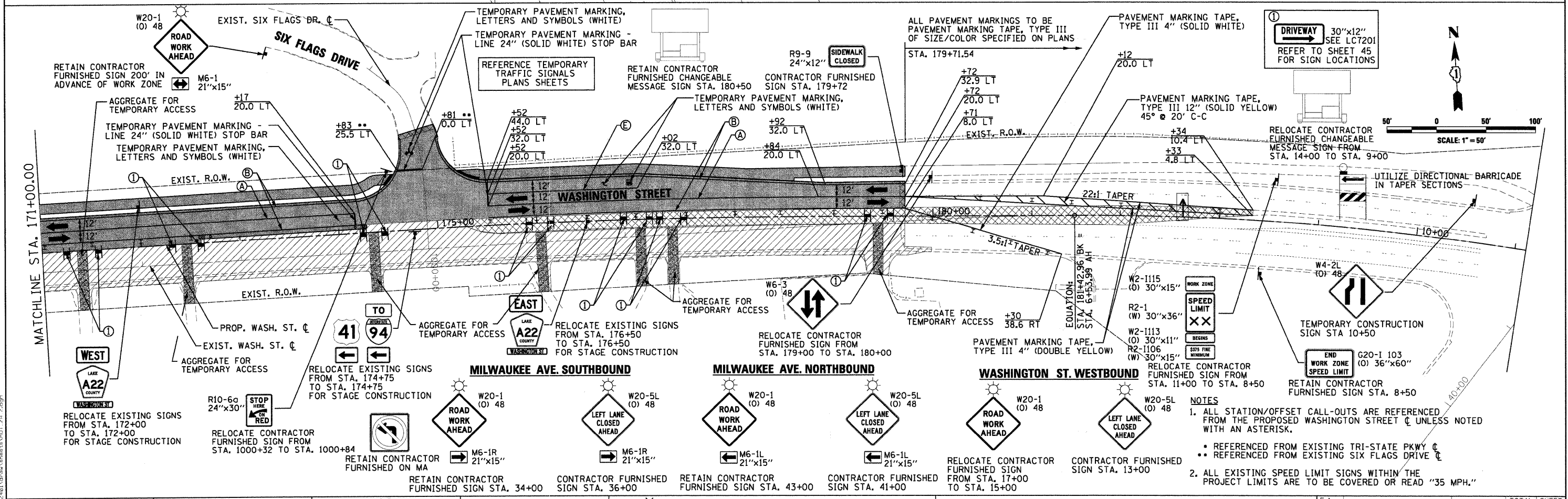
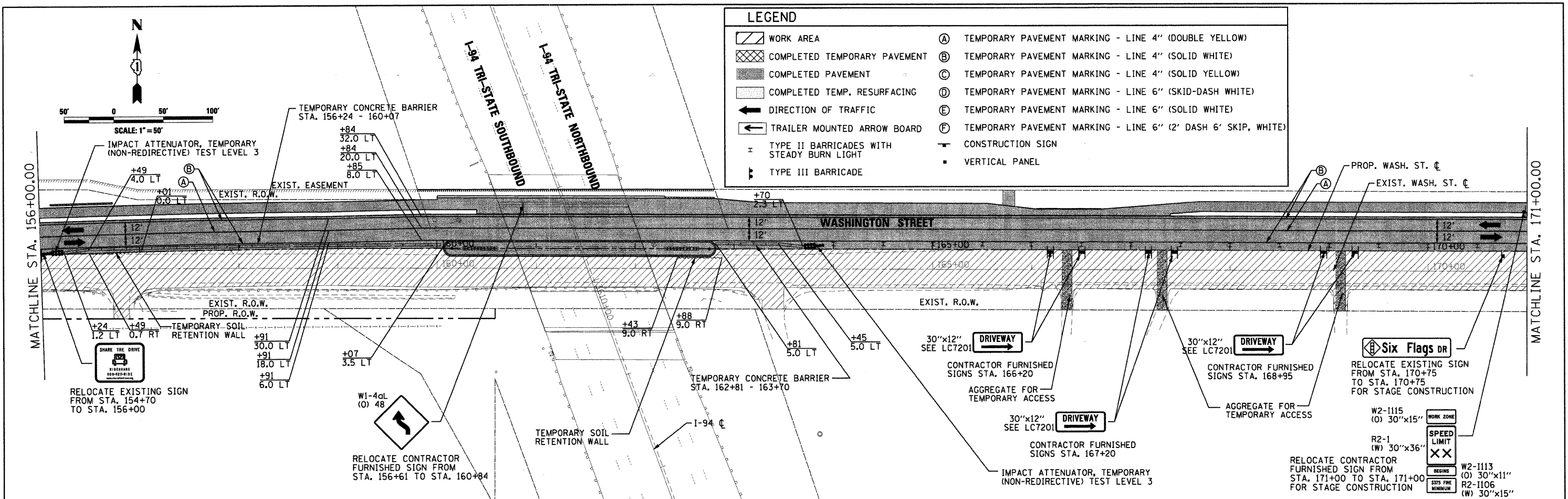
MAINTENANCE OF TRAFFIC STAGE 2A PLAN

SCALE: 50'=1" SHEET NO. 16 OF 24 SHEETS STA. 126+00 TO STA. 156+00

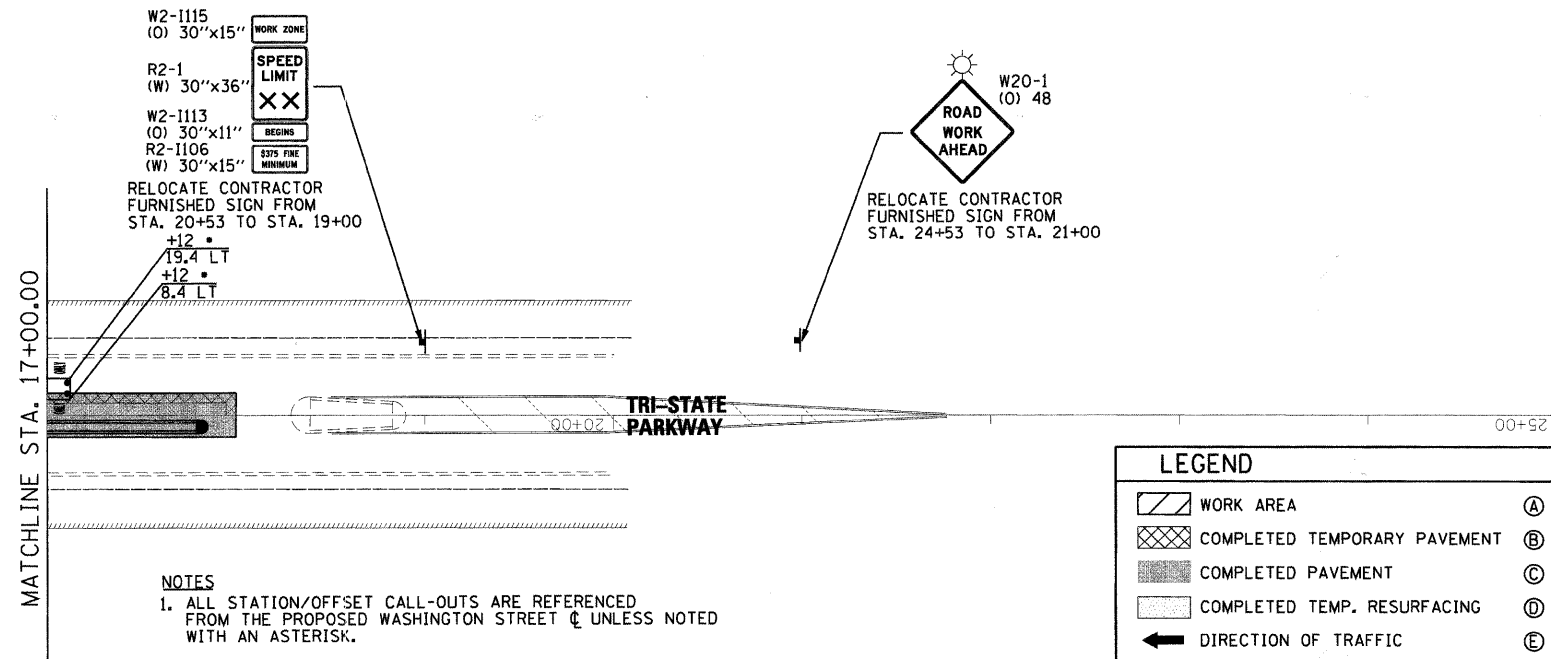
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	43
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

WORK AREA	(A) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
COMPLETED TEMPORARY PAVEMENT	(B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
COMPLETED PAVEMENT	(C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
COMPLETED TEMP. RESURFACING	(D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
DIRECTION OF TRAFFIC	(E) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
TRAILER MOUNTED ARROW BOARD	(F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
TYPE II BARRICADES WITH STEADY BURN LIGHT	CONSTRUCTION SIGN
TYPE III BARRICADE	VERTICAL PANEL



- #### NOTES
- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET CENTERLINE UNLESS NOTED WITH AN ASTERISK.
 - REFERENCED FROM EXISTING TRI-STATE PKWY CENTERLINE UNLESS NOTED WITH AN ASTERISK.
 - ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."



NOTES

- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET ϕ UNLESS NOTED WITH AN ASTERISK.
 - * REFERENCED FROM EXISTING TRI-STATE PKWY ϕ
 - ** REFERENCED FROM EXISTING SIX FLAGS DRIVE ϕ
- ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."

LEGEND			
	WORK AREA		(A) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
	COMPLETED TEMPORARY PAVEMENT		(B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
	COMPLETED PAVEMENT		(C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
	COMPLETED TEMP. RESURFACING		(D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
	DIRECTION OF TRAFFIC		(E) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
	TRAILER MOUNTED ARROW BOARD		(F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
	TYPE II BARRICADES WITH STEADY BURN LIGHT		CONSTRUCTION SIGN
	TYPE III BARRICADE		VERTICAL PANEL

SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
ROAD WORK AHEAD	W20-1 (O) 48	122+50	122+50	WB	X	-	-	-	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	124+00	124+00	WB	X	-	-	-	-
LEFT LANE DROP	W4-2L (O) 48	126+00	126+00	WB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	128+00	128+00	EB	X	-	-	-	-
END WORK ZONE SPEED LIMIT	G20-1103 (O) 36x60	128+00	128+00	WB	X	-	-	-	-
REVERSE CURVE RIGHT	W1-4aR (O) 48	132+00	132+00	EB	X	-	-	-	-
SIDEWALK CLOSED	R9-9 24x12	-	134+00	WB	-	X	-	-	-
TRI-STATE PKWY SIGNAL AHEAD	-	137+00	137+00	EB	X	-	-	-	-
WASHINGTON STREET WEST	-	139+00	139+00	WB	-	-	-	B	-
STOP HERE ON RED	R10-6A 24x30	15+21 (TRI-ST.)	15+65 (TRI-ST.)	SB	-	-	X	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	20+53 (TRI-ST.)	19+00 (TRI-ST.)	SB	-	-	-	X	-
ROAD WORK AHEAD	W20-1 (O) 48	24+53 (TRI-ST.)	21+00 (TRI-ST.)	SB	-	-	-	X	-
REVERSE CURVE LEFT	W1-4aL (O) 48	142+00	142+80	EB	-	-	-	X	-
REVERSE CURVE LEFT	W1-4aL (O) 48	148+95	145+50	EB	-	-	-	X	-
TRI-STATE PKWY SIGNAL AHEAD	-	145+00	147+00	WB	-	-	4.5	-	-
WASHINGTON STREET EAST	-	147+00	147+00	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	-	152+42	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	152+42	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	153+43	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	153+43	EB	-	X	-	-	-
TWO WAY TRAFFIC	W6-3 (O) 48	145+00	154+00	EB	-	-	-	X	-
ENTRANCE	SEE LC7201	-	154+86	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	154+86	EB	-	X	-	-	-
SHARE THE DRIVE	-	154+70	156+00	EB	-	-	-	20	-
REVERSE CURVE LEFT	W1-4aL (O) 48	156+61	160+84	WB	-	-	-	X	-
ENTRANCE	SEE LC7201	-	166+20	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	166+20	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	167+20	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	167+20	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	168+95	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	168+95	EB	-	X	-	-	-
SIX FLAGS DR SIGNAL AHEAD	-	170+75	170+75	EB	-	-	4.5	-	-

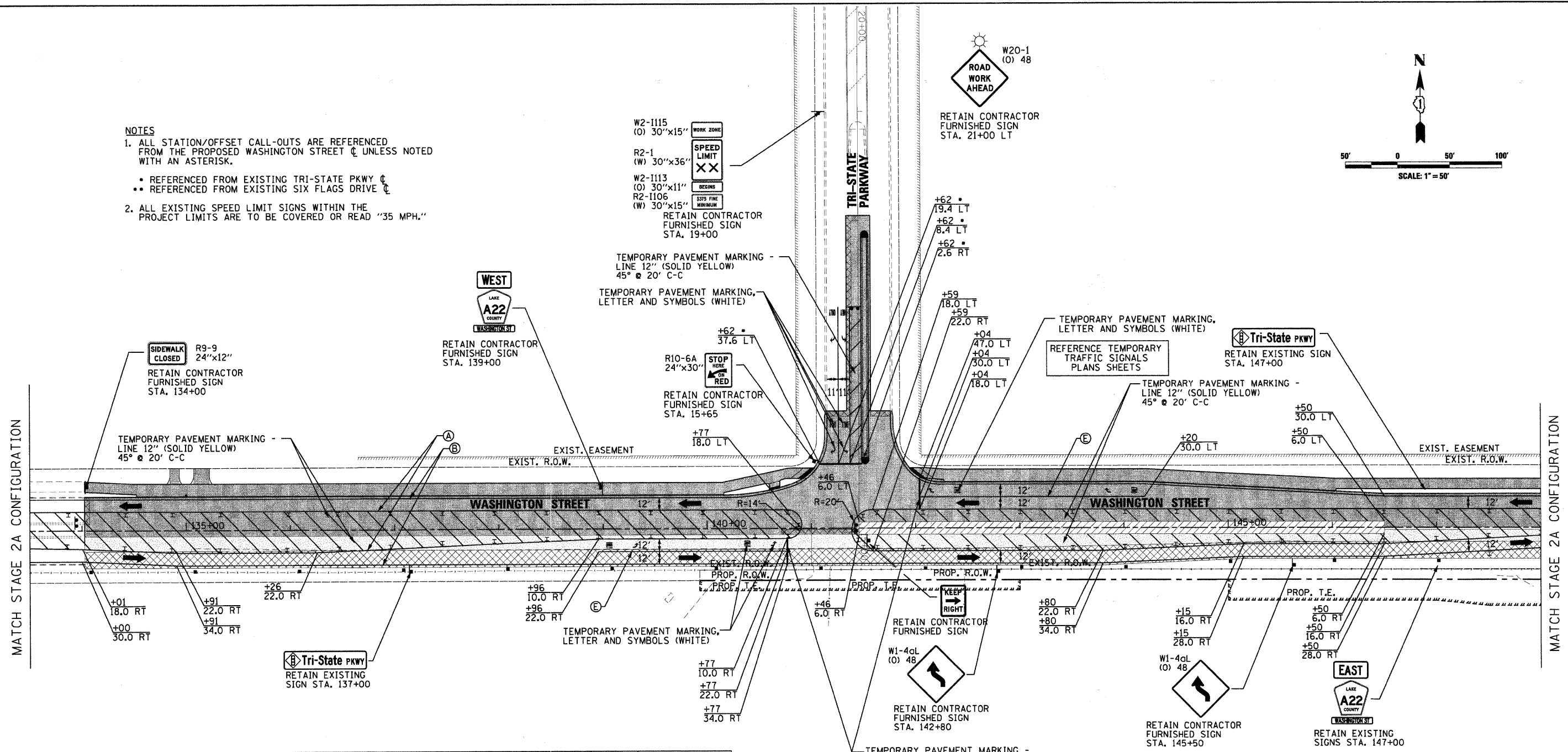
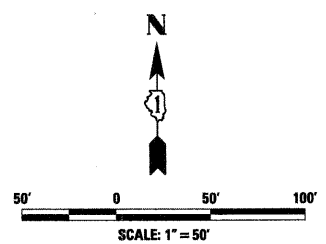
SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	171+00	171+00	WB	-	-	-	X	-
ENTRANCE	SEE LC7201	-	171+25	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	171+25	EB	-	X	-	-	-
WASHINGTON STREET WEST	-	172+00	172+00	WB	-	-	-	B	-
ENTRANCE	SEE LC7201	-	172+32	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	172+32	EB	-	X	-	-	-
STOP HERE ON RED	R10-6A 24x30	100+32 (SIX FLG)	100+84 (SIX FLG)	SB	-	-	X	-	-
ROAD WORK AHEAD	W20-1 (O) 48	(SIX FLG)	(SIX FLG)	SB	X	-	-	-	-
RIGHT/LEFT ARROW (SUPPLEMENTAL)	M6-1 21x15	(SIX FLG)	(SIX FLG)	SB	X	-	-	-	-
I-94 / US 41 WITH SUPP. LT. ARROWS	-	174+75	174+75	EB	-	-	-	B	-
WASHINGTON STREET EAST	-	176+50	176+50	EB	-	-	-	B	-
ENTRANCE	SEE LC7201	-	176+87	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	176+87	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	177+25	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	177+25	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	179+33	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	179+33	EB	-	X	-	-	-
SIDEWALK CLOSED	R9-9 24x12	-	179+72	WB	-	X	-	-	-
TWO WAY TRAFFIC	W6-3 (O) 48	179+00	180+00	WB	-	-	-	X	-
END WORK ZONE SPEED LIMIT	G20-1103 (O) 36x60	8+50	8+50	EB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	11+00	8+50	WB	-	-	-	X	-
LEFT LANE DROP	W4-2L (O) 48	-	10+50	WB	-	X	-	-	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	-	13+00	WB	-	X	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	17+00	15+00	WB	-	-	-	X	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	-	41+00 (MIL. AVE.)	NB	-	X	-	-	-
LEFT ARROW (SUPPLEMENTAL)	M6-1L 21x15	-	41+00 (MIL. AVE.)	NB	-	X	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	43+00 (MIL. AVE.)	43+00 (MIL. AVE.)	NB	X	-	-	-	-
LEFT ARROW (SUPPLEMENTAL)	M6-1L 21x15	43+00 (MIL. AVE.)	43+00 (MIL. AVE.)	NB	X	-	-	-	-
LEFT LANE CLOSED AHEAD	W20-5R (O) 48	-	36+00 (MIL. AVE.)	SB	-	X	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	-	36+00 (MIL. AVE.)	SB	-	X	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	34+00 (MIL. AVE.)	34+00 (MIL. AVE.)	SB	X	-	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	34+00 (MIL. AVE.)	34+00 (MIL. AVE.)	SB	X	-	-	-	-

NOTE
"X" QUANTITY INCLUDED IN COST FOR TRAFFIC CONTROL AND PROTECTION (70101700)

FILE NAME = I:\Lakeco\08222401\Draw\Sheet\2A_3.dgn

<p>CMT CRAWFORD, MURPHY & TELLY, INC. CONSULTING ENGINEERS License No. 04-00063</p>	USER NAME = Steve Prange DESIGNED = SJP DRAWN = SJP CHECKED = KDN DATE = 05/29/09	REVISED = REVISED = REVISED = REVISED =	<p>LakeCounty Division of Transportation</p>	MAINTENANCE OF TRAFFIC STAGE 2A PLAN		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 45	CONTRACT NO. 63209 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
	PLOT SCALE = 50.0000' / 1" IN. PLOT DATE = 05/29/09	DATE = 05/29/09		SCALE: 50'=1" SHEET NO. 18 OF 24 SHEETS STA. 17+00 TO STA. 25+00			

- NOTES**
- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET C UNLESS NOTED WITH AN ASTERISK.
 - ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."
- REFERENCED FROM EXISTING TRI-STATE PKWY C
 - REFERENCED FROM EXISTING SIX FLAGS DRIVE C

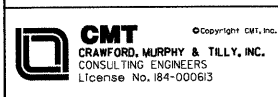


SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
SIDEWALK CLOSED	R9-9 24x12	134+00	134+00	WB	X	-	-	-	-
TRI-STATE PKWY SIGNAL AHEAD	-	137+00	137+00	EB	X	-	-	-	-
WASHINGTON STREET WEST	-	139+00	139+00	WB	X	-	-	-	-
STOP HERE ON RED	R10-6A 24x30	15+65 (TRI-ST.)	15+65 (TRI-ST.)	SB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30x36	19+00 (TRI-ST.)	19+00 (TRI-ST.)	SB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	21+00 (TRI-ST.)	21+00 (TRI-ST.)	SB	X	-	-	-	-
REVERSE CURVE LEFT	W1-4qL (O) 48	142+80	142+80	EB	X	-	-	-	-
REVERSE CURVE LEFT	W1-4qL (O) 48	145+50	145+50	EB	X	-	-	-	-
TRI-STATE PKWY SIGNAL AHEAD	-	147+00	147+00	WB	X	-	-	-	-
WASHINGTON STREET EAST	-	147+00	147+00	EB	X	-	-	-	-

- NOTE**
- "X" QUANTITY INCLUDED IN COST FOR TRAFFIC CONTROL AND PROTECTION (70101700)
 - ALL OTHER SIGNAGE NOT SHOWN IS TO REMAIN IN STAGE 2A CONFIGURATION

LEGEND	
	WORK AREA
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED PAVEMENT
	COMPLETED TEMP. RESURFACING
	DIRECTION OF TRAFFIC
	TRAILER MOUNTED ARROW BOARD
	TYPE II BARRICADES WITH STEADY BURN LIGHT
	TYPE III BARRICADE
(A)	TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
(B)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
(C)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
(D)	TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
(E)	TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
(F)	TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
	CONSTRUCTION SIGN
	VERTICAL PANEL

FILE NAME = I:\Lakeco\0822401\Draw\Sheet\MDT_2B.dwg



USER NAME = Steve Prange
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

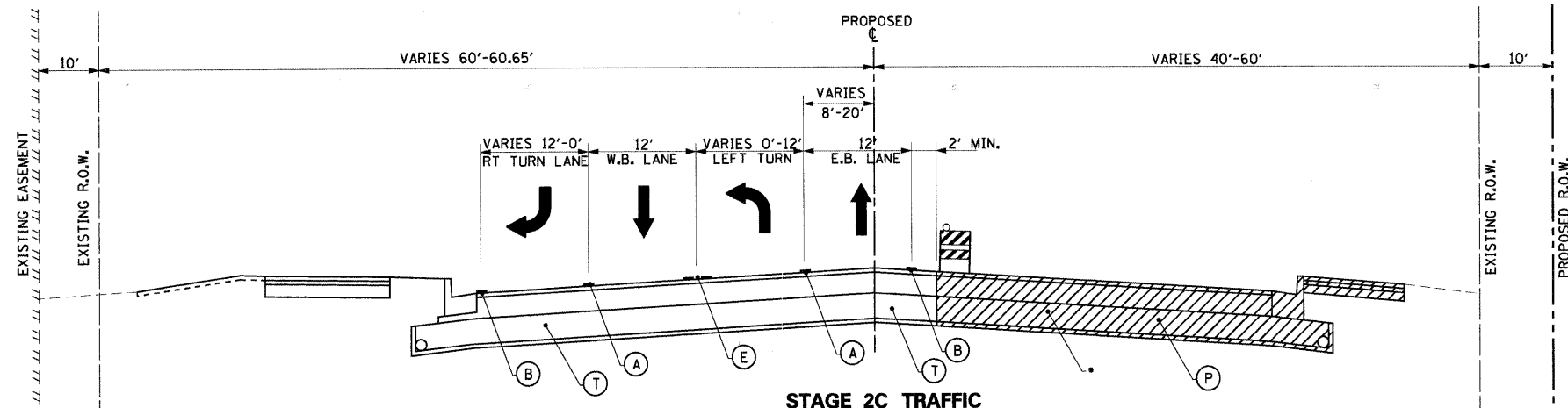
REVISIONS
 REVISED -
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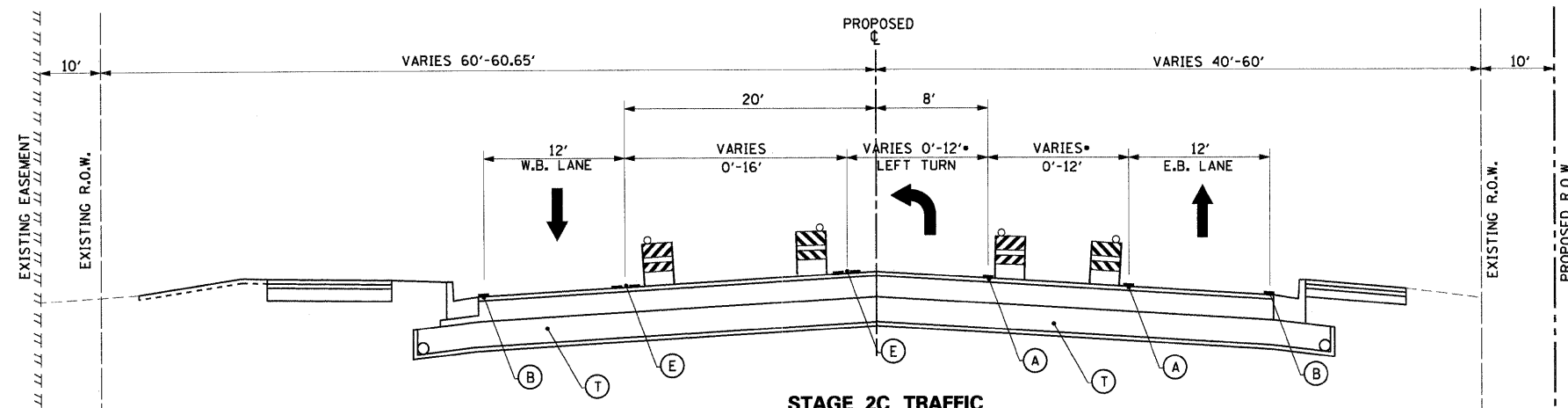
MAINTENANCE OF TRAFFIC STAGE 2B PLAN

SCALE: 50'=1" SHEET NO. 19 OF 24 SHEETS STA. 133+50 TO STA. 148+00

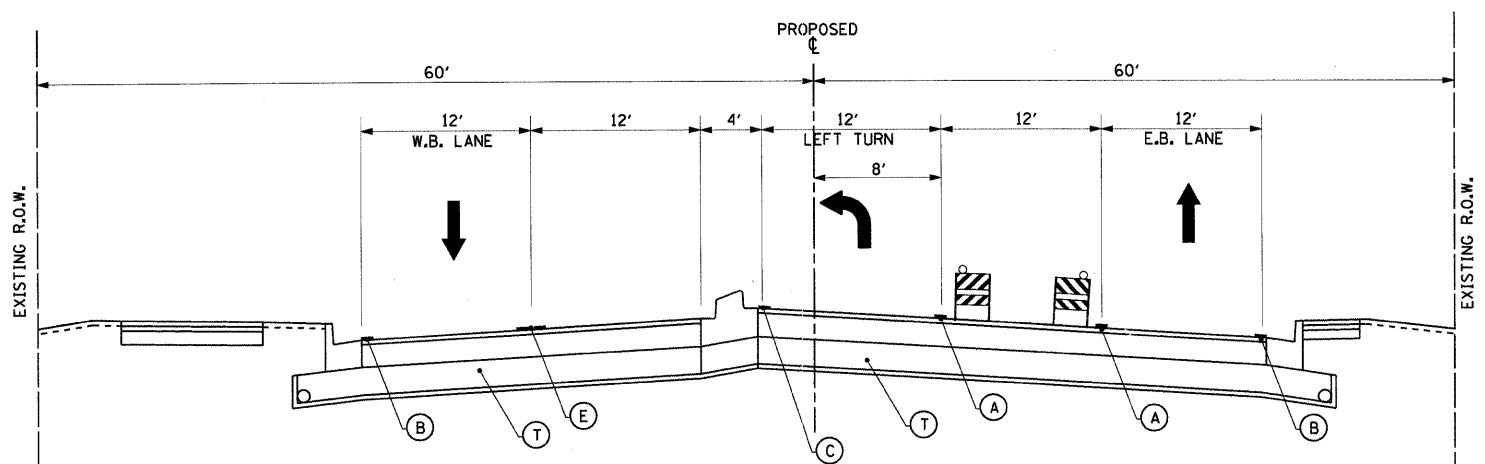
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	46
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



STAGE 2C TRAFFIC
 WASHINGTON STREET
 STA. 134+00.00 TO STA. 163+00.00
 • STA. 134+00 TO STA. 146+49.87 WORK ZONE 6' FROM CL
 STA. 146+49.87 TO STA. 154+00 WORK ZONE 0' FROM CL
 (BRIDGE OMISSION STA. 160+06.65 TO STA. 162+81.64)



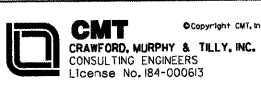
STAGE 2C TRAFFIC
 WASHINGTON STREET
 STA. 163+00.00 TO STA. 172+58.53
 • STA. 169+30.25 TO STA. 172+58.53



STAGE 2C TRAFFIC
 WASHINGTON STREET
 STA. 172+58.53 TO STA. 174+14.37

LEGEND	
(A)	TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID, WHITE, 70300240)
(B)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, WHITE, 70300220)
(C)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, YELLOW, 70300220)
(D)	TEMPORARY PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 70300240)
(E)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, DOUBLE YELLOW, 70300220)
(F)	TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE, 70300240)
(G)	TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID, YELLOW, 70300260)
(H)	THERMOPLASTIC PAVEMENT MARKING LINE, 4", DOUBLE, YELLOW, 7800105)
(I)	THERMOPLASTIC PAVEMENT MARKING LINE, 6", SOLID, WHITE, 7800115)
(J)	THERMOPLASTIC PAVEMENT MARKING LINE, 6", 2' DASH 6' SKIP, WHITE, 7800115)
(K)	THERMOPLASTIC PAVEMENT MARKING LINE, 6", SKIP-DASH, WHITE, 7800115)
(L)	THERMOPLASTIC PAVEMENT MARKING LINE, 12", SOLID, YELLOW, 7800140)
(M)	FULL DEPTH SAW CUTS (44213200)
(N)	PROPOSED SHOULDER
(O)	EXISTING SHOULDER
(P)	PROPOSED PAVEMENT
(R)	EXISTING PAVEMENT
(S)	COMPLETED SHOULDER
(T)	COMPLETED PAVEMENT
(Symbol: Triangle)	TEMPORARY BARRIER WALL
(Symbol: Arrow)	DIRECTION OF TRAFFIC
(Symbol: Hatched Box)	WORK ZONE
(Symbol: Cross-hatched Box)	TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
(Symbol: Dashed Line)	EXISTING PAVEMENT
(Symbol: Solid Line)	PROPOSED PAVEMENT
(Symbol: Vertical Panel)	VERTICAL PANEL, POST MOUNTED
(Symbol: Barricade)	TYPE II BARRICADES WITH STEADY BURNING LIGHT

FILE NAME = J:\Lakeco\082248\Draw\Sheets\MOT_TYP_2C_1.dgn



USER NAME = Monica Crison	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -

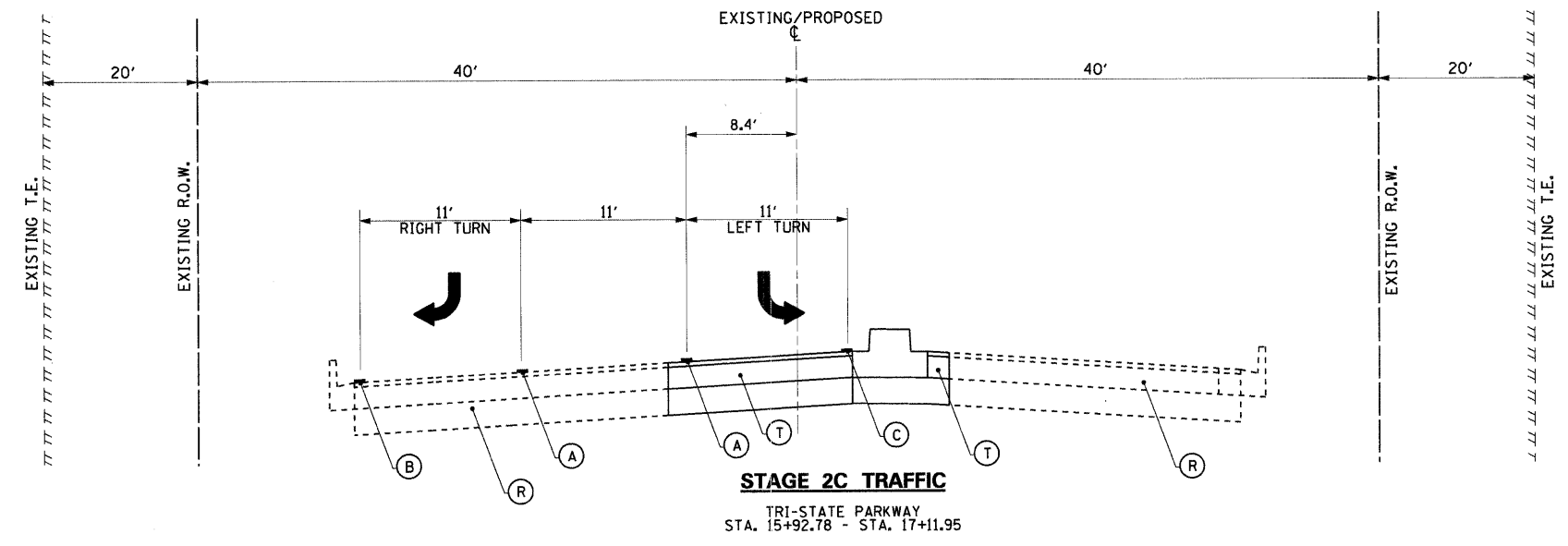
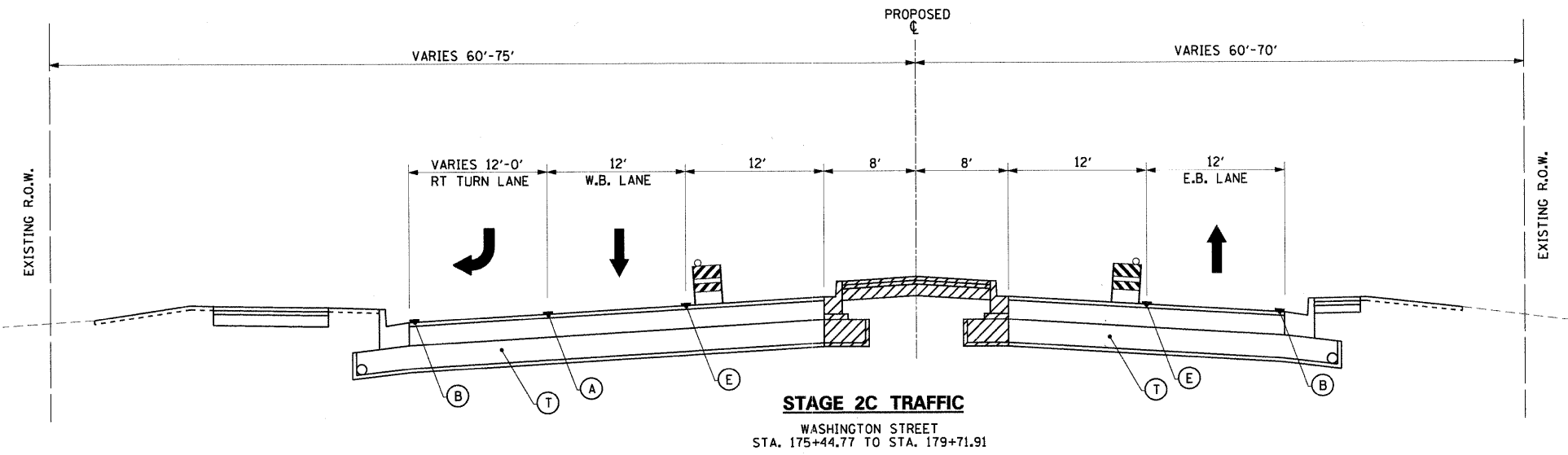


MAINTENANCE OF TRAFFIC - STAGE 2C			
TYPICAL SECTIONS			
SCALE: N.T.S.	SHEET NO. 20 OF 24 SHEETS	STA. N/A TO STA. N/A	

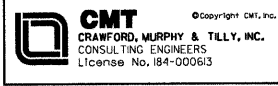
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	47
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID, WHITE, 70300240)
 - (B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, WHITE, 70300220)
 - (C) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, YELLOW, 70300220)
 - (D) TEMPORARY PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 70300240)
 - (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID, DOUBLE YELLOW, 70300220)
 - (F) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE, 70300240)
 - (G) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID, YELLOW, 70300260)
 - (H) THERMOPLASTIC PAVEMENT MARKING LINE, 4", DOUBLE, YELLOW, 7800105)
 - (I) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SOLID, WHITE, 7800115)
 - (J) THERMOPLASTIC PAVEMENT MARKING LINE, 6", 2' DASH 6' SKIP, WHITE, 7800115)
 - (K) THERMOPLASTIC PAVEMENT MARKING LINE, 6", SKIP-DASH, WHITE, 7800115)
 - (L) THERMOPLASTIC PAVEMENT MARKING LINE, 12", SOLID, YELLOW, 7800140)
 - (M) FULL DEPTH SAW CUTS (44213200)
-
- TEMPORARY BARRIER WALL
 - DIRECTION OF TRAFFIC
 - WORK ZONE
 - TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
 - EXISTING PAVEMENT
 - PROPOSED PAVEMENT
 - VERTICAL PANEL, POST MOUNTED
 - (N) PROPOSED SHOULDER
 - (O) EXISTING SHOULDER
 - (P) PROPOSED PAVEMENT
 - (R) EXISTING PAVEMENT
 - (S) COMPLETED SHOULDER
 - (T) COMPLETED PAVEMENT
 - TYPE II BARRICADES WITH STEADY BURNING LIGHT



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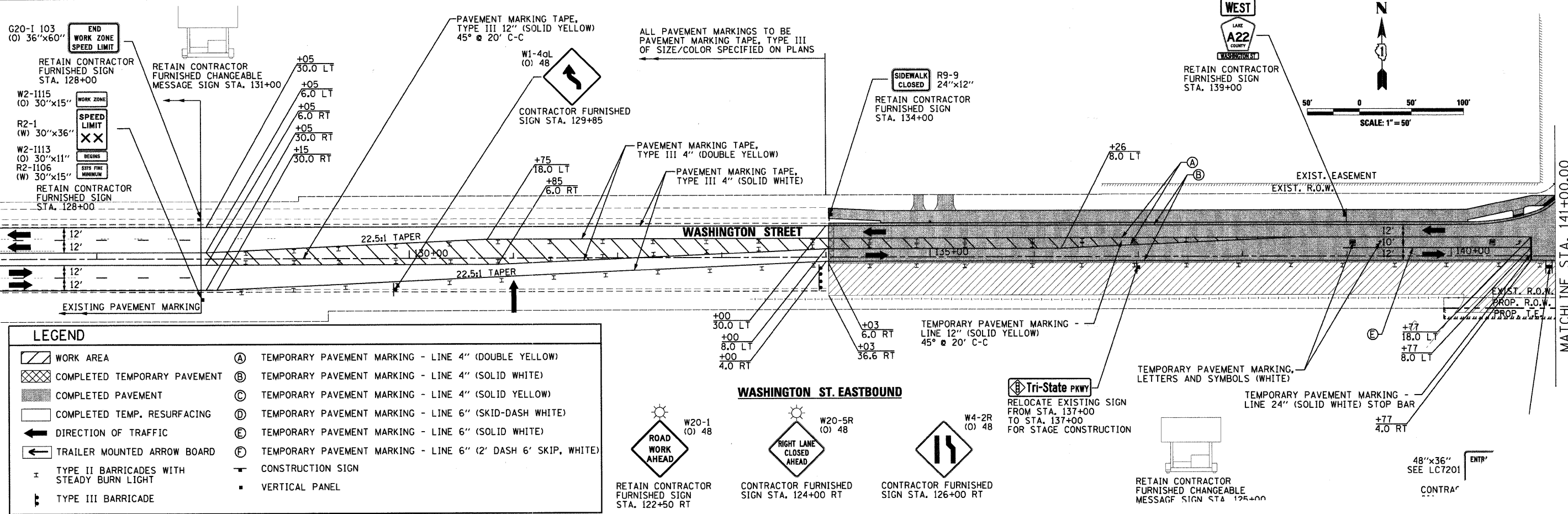


USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
DRAWN - SJP	REVISOR -	
CHECKED - KDN	REVISOR -	
DATE - 05/29/09	REVISOR -	



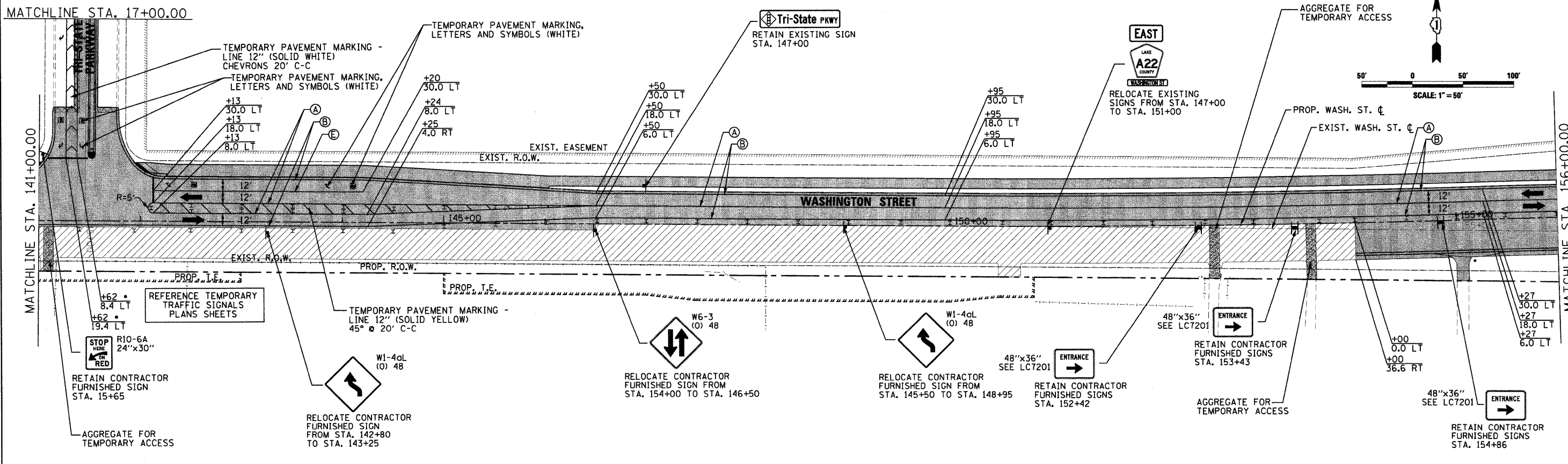
MAINTENANCE OF TRAFFIC - STAGE 2C TYPICAL SECTIONS			
SCALE: N.T.S.	SHEET NO. 21 OF 24 SHEETS	STA. N/A TO STA. N/A	F.A. RTE. 1016

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00110-12-WR	LAKE	206	48
CONTRACT NO. 63209			



LEGEND

	WORK AREA	(A)	TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
	COMPLETED TEMPORARY PAVEMENT	(B)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
	COMPLETED PAVEMENT	(C)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
	COMPLETED TEMP. RESURFACING	(D)	TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
	DIRECTION OF TRAFFIC	(E)	TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
	TRAILER MOUNTED ARROW BOARD	(F)	TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
	TYPE II BARRICADES WITH STEADY BURN LIGHT		CONSTRUCTION SIGN
	TYPE III BARRICADE		VERTICAL PANEL



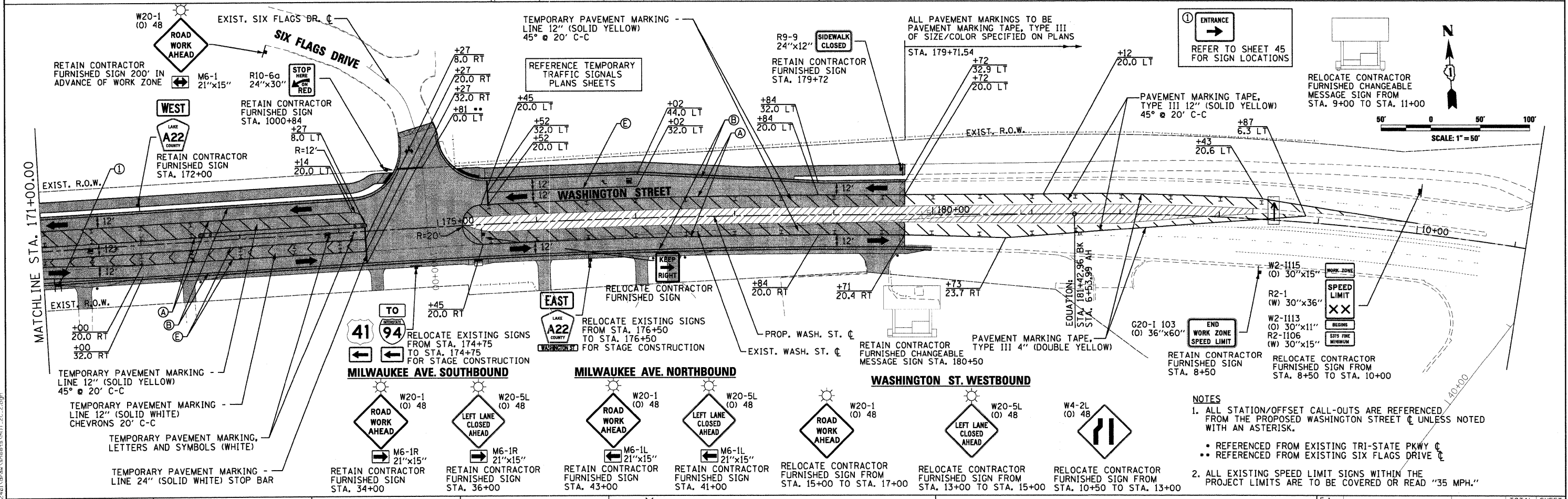
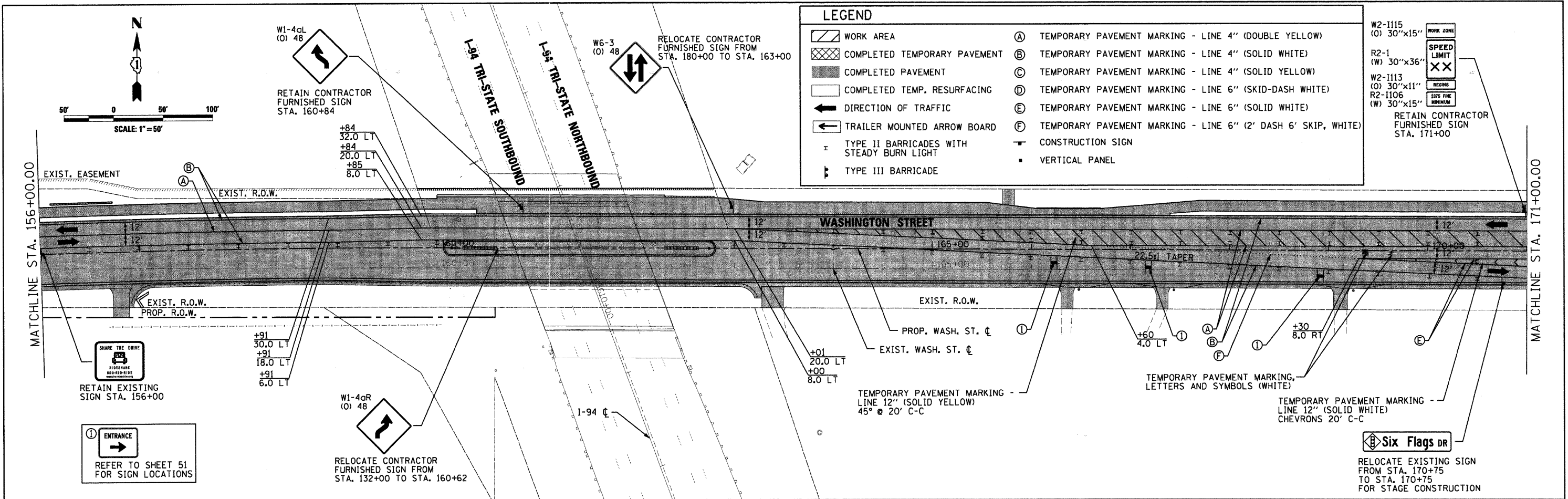
<p>CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00063</p>	USER NAME = Steve Prange PLOT SCALE = 50.0000' / IN. PLOT DATE = 05/29/09	DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	<p>LakeCounty Division of Transportation</p>	<p>MAINTENANCE OF TRAFFIC STAGE 2C PLAN</p> <p>SCALE: 50'=1" SHEET NO. 22 OF 24 SHEETS STA. 126+00 TO STA. 156+00</p>	F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 49 CONTRACT NO. 63209
	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

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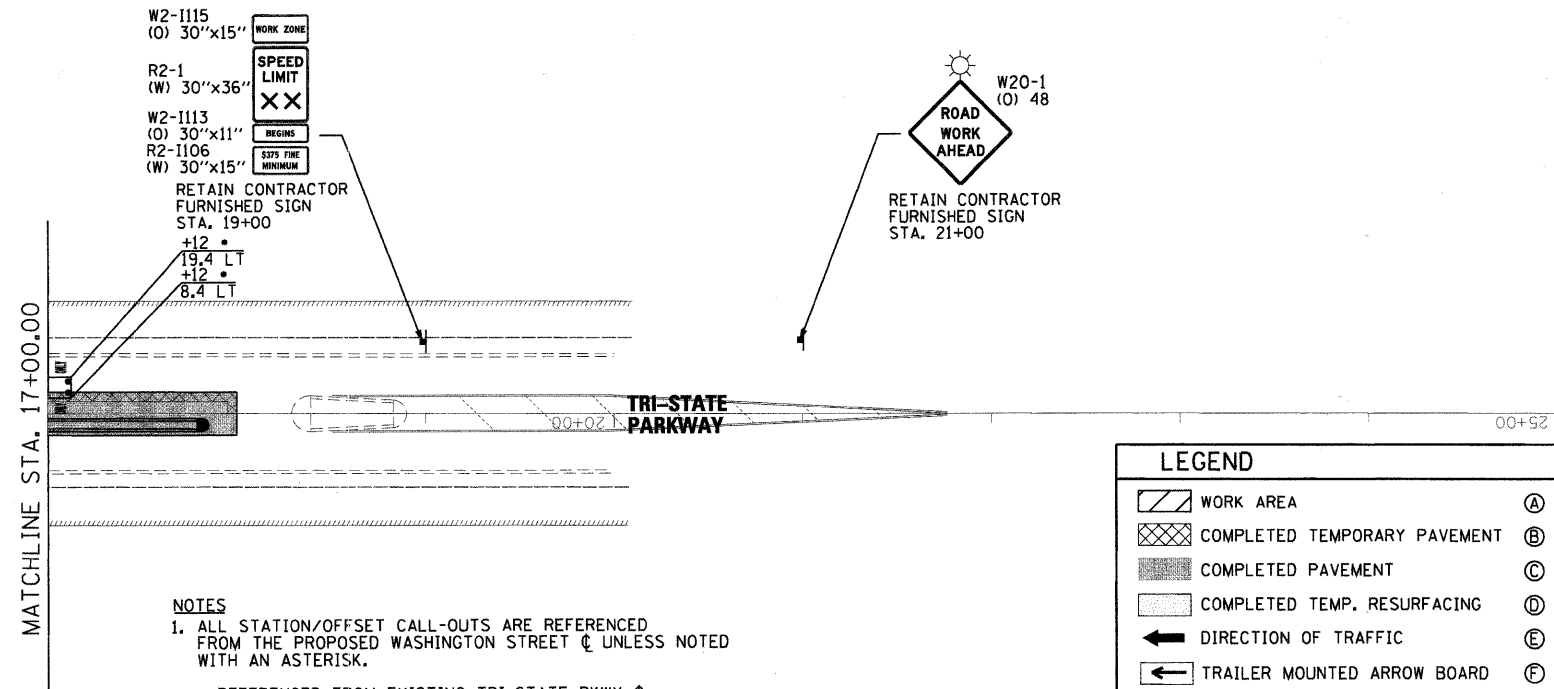
LEGEND

	WORK AREA	(A)	TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
	COMPLETED TEMPORARY PAVEMENT	(B)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
	COMPLETED PAVEMENT	(C)	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
	COMPLETED TEMP. RESURFACING	(D)	TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
	DIRECTION OF TRAFFIC	(E)	TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
	TRAILER MOUNTED ARROW BOARD	(F)	TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
	TYPE II BARRICADES WITH STEADY BURN LIGHT		CONSTRUCTION SIGN
	TYPE III BARRICADE		VERTICAL PANEL

W2-1115 (O) 30"x15" WORK ZONE
 R2-1 (W) 30"x36" SPEED LIMIT
 W2-1113 (O) 30"x11" BEGINS
 R2-1106 (W) 30"x15" ENDS
 RETAIN CONTRACTOR FURNISHED SIGN STA. 171+00



- #### NOTES
- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET C UNLESS NOTED WITH AN ASTERISK.
 - * REFERENCED FROM EXISTING TRI-STATE PKWY C
 - ** REFERENCED FROM EXISTING SIX FLAGS DRIVE C
 - ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."



NOTES

- ALL STATION/OFFSET CALL-OUTS ARE REFERENCED FROM THE PROPOSED WASHINGTON STREET CL UNLESS NOTED WITH AN ASTERISK.
 - * REFERENCED FROM EXISTING TRI-STATE PKWY CL
 - ** REFERENCED FROM EXISTING SIX FLAGS DRIVE CL
- ALL EXISTING SPEED LIMIT SIGNS WITHIN THE PROJECT LIMITS ARE TO BE COVERED OR READ "35 MPH."

LEGEND			
	WORK AREA	Ⓐ	TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
	COMPLETED TEMPORARY PAVEMENT	Ⓑ	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
	COMPLETED PAVEMENT	Ⓒ	TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
	COMPLETED TEMP. RESURFACING	Ⓓ	TEMPORARY PAVEMENT MARKING - LINE 6" (SKID-DASH WHITE)
	DIRECTION OF TRAFFIC	Ⓔ	TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
	TRAILER MOUNTED ARROW BOARD	Ⓕ	TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
	TYPE II BARRICADES WITH STEADY BURN LIGHT	▬	CONSTRUCTION SIGN
	TYPE III BARRICADE	■	VERTICAL PANEL

SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
ROAD WORK AHEAD	W20-1 (O) 48	122+50	122+50	WB	X	-	-	-	-
RIGHT LANE CLOSED AHEAD	W20-5R (O) 48	-	124+00	WB	-	X	-	-	-
RIGHT LANE DROP	W4-2R (O) 48	-	126+00	WB	-	X	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	128+00	128+00	EB	X	-	-	-	-
END WORK ZONE SPEED LIMIT	G20-1103 (O) 36x60	128+00	128+00	WB	X	-	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 48	-	129+85	EB	-	X	-	-	-
SIDEWALK CLOSED	R9-9 24x12	134+00	134+00	WB	X	-	-	-	-
TRI-STATE PKWY SIGNAL AHEAD	-	137+00	137+00	EB	-	-	4.5	-	-
WASHINGTON STREET WEST	-	139+00	139+00	WB	X	-	-	-	-
ENTRANCE	SEE LC7201	-	140+95	EB	-	X	-	-	-
ENTRANCE	SEE LC7201	-	140+95	EB	-	X	-	-	-
STOP HERE ON RED	R10-6A 24x30	15+65 (TRI-ST.)	15+65 (TRI-ST.)	SB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	19+00 (TRI-ST.)	19+00 (TRI-ST.)	SB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	21+00 (TRI-ST.)	21+00 (TRI-ST.)	SB	X	-	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 48	142+80	143+25	EB	-	-	-	X	-
REVERSE CURVE LEFT	W1-4aL (O) 48	145+50	148+95	EB	-	-	-	X	-
TRI-STATE PKWY SIGNAL AHEAD	-	147+00	147+00	WB	X	-	-	-	-
WASHINGTON STREET EAST	-	147+00	151+00	EB	-	-	-	B	-
ENTRANCE	SEE LC7201	152+42	152+42	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	152+42	152+42	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	153+43	153+43	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	153+43	153+43	EB	X	-	-	-	-
TWO WAY TRAFFIC	W6-3 (O) 48	154+00	146+50	EB	-	-	-	X	-
ENTRANCE	SEE LC7201	154+86	154+86	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	154+86	154+86	EB	X	-	-	-	-
SHARE THE DRIVE	-	156+00	156+00	EB	X	-	-	-	-
REVERSE CURVE LEFT	W1-4aL (O) 48	160+84	160+84	WB	X	-	-	-	-
REVERSE CURVE RIGHT	W1-4aR (O) 48	132+00	160+62	EB	-	-	-	X	-
TWO WAY TRAFFIC	W6-3 (O) 48	180+00	163+00	WB	-	-	-	X	-
ENTRANCE	SEE LC7201	166+20	166+20	EB	X	-	-	-	-

SIGN DESCRIPTION	SIGN TYPE	EXISTING STATION	PROPOSED STATION	EB/WB NB/SB	EXIST. TO REMAIN	TEMP. INFO SIGNING (SQ. FT.)	RELOC. SIGN PANEL OR ASSEMBLY TYPE		
							1/A	2/B	3
ENTRANCE	SEE LC7201	166+20	166+20	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	167+20	167+20	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	167+20	167+20	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	168+95	168+95	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	168+95	168+95	EB	X	-	-	-	-
SIX FLAGS DR SIGNAL AHEAD	-	170+75	170+75	EB	-	-	4.5	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	171+00	171+00	WB	X	-	-	-	-
ENTRANCE	SEE LC7201	171+25	171+25	EB	X	-	-	-	-
ENTRANCE	SEE LC7201	171+25	171+25	EB	X	-	-	-	-
WASHINGTON STREET WEST	-	172+00	172+00	WB	X	-	-	-	-
STOP HERE ON RED	R10-6A 24x30	1000+84 (SIX FLG)	1000+84 (SIX FLG)	SB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	(SIX FLG)	(SIX FLG)	SB	X	-	-	-	-
RIGHT/LEFT ARROW (SUPPLEMENTAL)	M6-1 21x15	(SIX FLG)	(SIX FLG)	SB	X	-	-	-	-
I-94 / US 41 WITH SUPP. LT. ARROWS	-	174+75	174+75	EB	-	-	-	B	-
WASHINGTON STREET EAST	-	176+50	176+50	EB	-	-	-	B	-
SIDEWALK CLOSED	R9-9 24x12	179+72	179+72	WB	X	-	-	-	-
END WORK ZONE SPEED LIMIT	G20-1103 (O) 36x60	8+50	8+50	EB	X	-	-	-	-
WORK ZONE SPEED LIMIT ASSEMBLY	R2-1 (W) 30X36	8+50	10+00	WB	-	-	-	X	-
LEFT LANE DROP	W4-2L (O) 48	10+50	13+00	WB	-	-	-	X	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	13+00	15+00	WB	-	-	-	X	-
ROAD WORK AHEAD	W20-1 (O) 48	15+00	17+00	WB	-	-	-	X	-
LEFT LANE CLOSED AHEAD	W20-5L (O) 48	41+00 (MIL. AVE.)	41+00 (MIL. AVE.)	NB	X	-	-	-	-
LEFT ARROW (SUPPLEMENTAL)	M6-1L 21x15	41+00 (MIL. AVE.)	41+00 (MIL. AVE.)	NB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	43+00 (MIL. AVE.)	43+00 (MIL. AVE.)	NB	X	-	-	-	-
LEFT ARROW (SUPPLEMENTAL)	M6-1L 21x15	43+00 (MIL. AVE.)	43+00 (MIL. AVE.)	NB	X	-	-	-	-
LEFT LANE CLOSED AHEAD	W20-5R (O) 48	36+00 (MIL. AVE.)	36+00 (MIL. AVE.)	SB	X	-	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	36+00 (MIL. AVE.)	36+00 (MIL. AVE.)	SB	X	-	-	-	-
ROAD WORK AHEAD	W20-1 (O) 48	34+00 (MIL. AVE.)	34+00 (MIL. AVE.)	SB	X	-	-	-	-
RIGHT ARROW (SUPPLEMENTAL)	M6-1R 21x15	34+00 (MIL. AVE.)	34+00 (MIL. AVE.)	SB	X	-	-	-	-

NOTE

- "X" QUANTITY INCLUDED IN COST FOR TRAFFIC CONTROL AND PROTECTION (70101700)

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USER NAME = Steve Prange
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 PLOT DATE = 05/29/09

DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

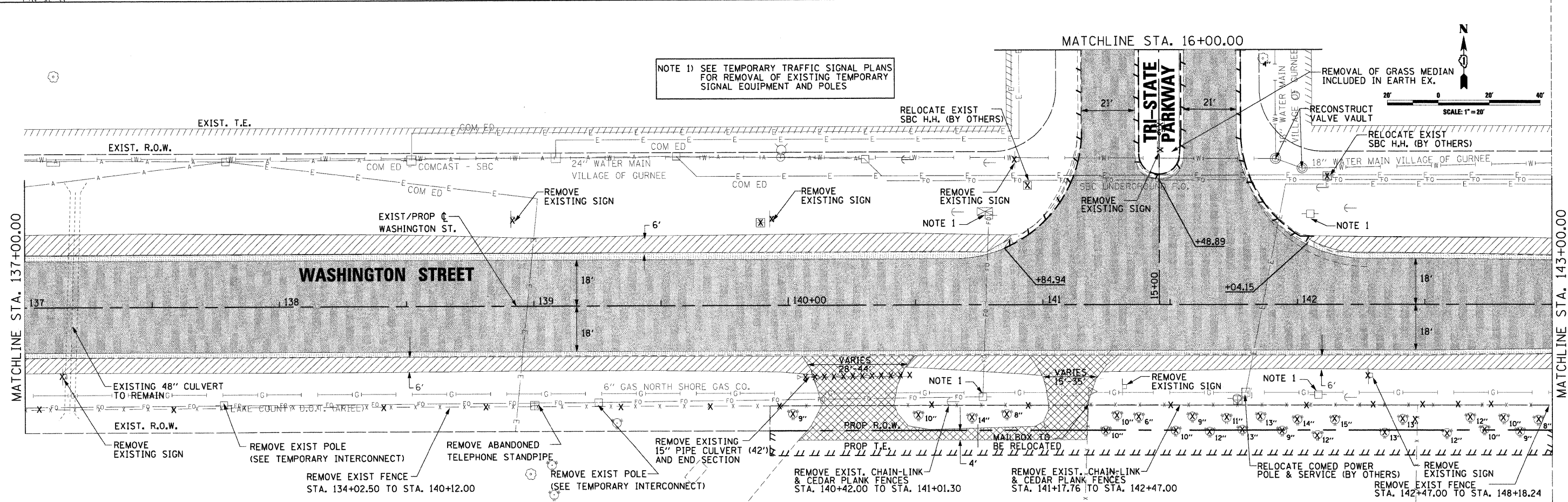
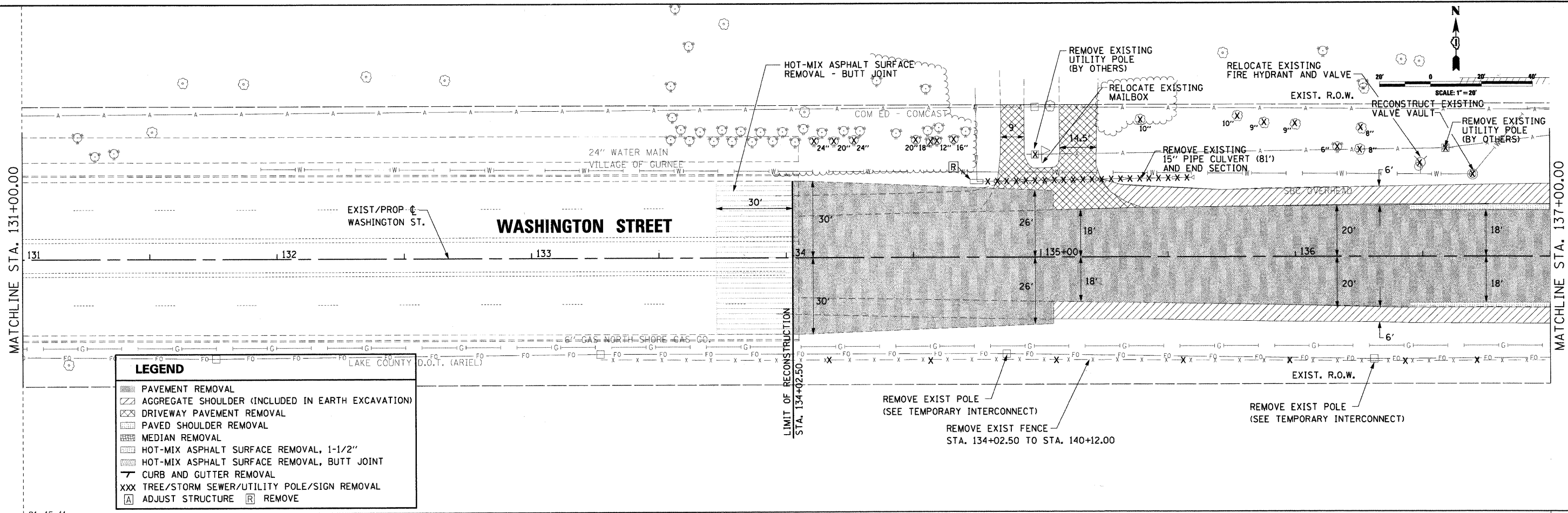
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MAINTENANCE OF TRAFFIC STAGE 2C PLAN

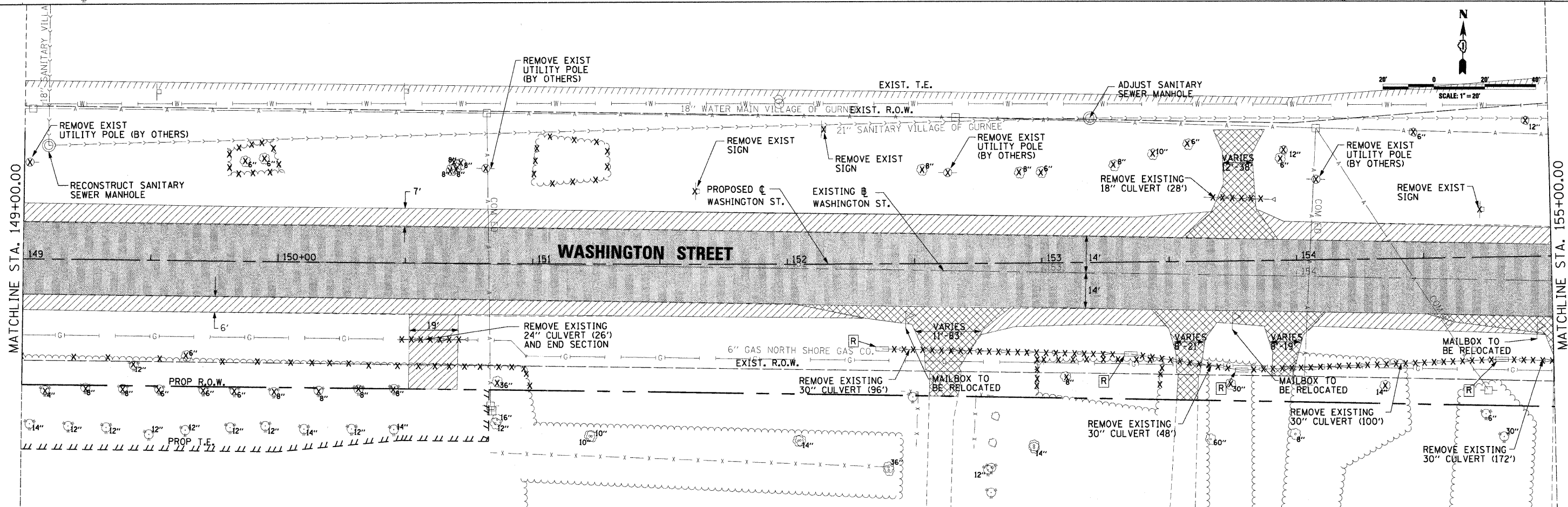
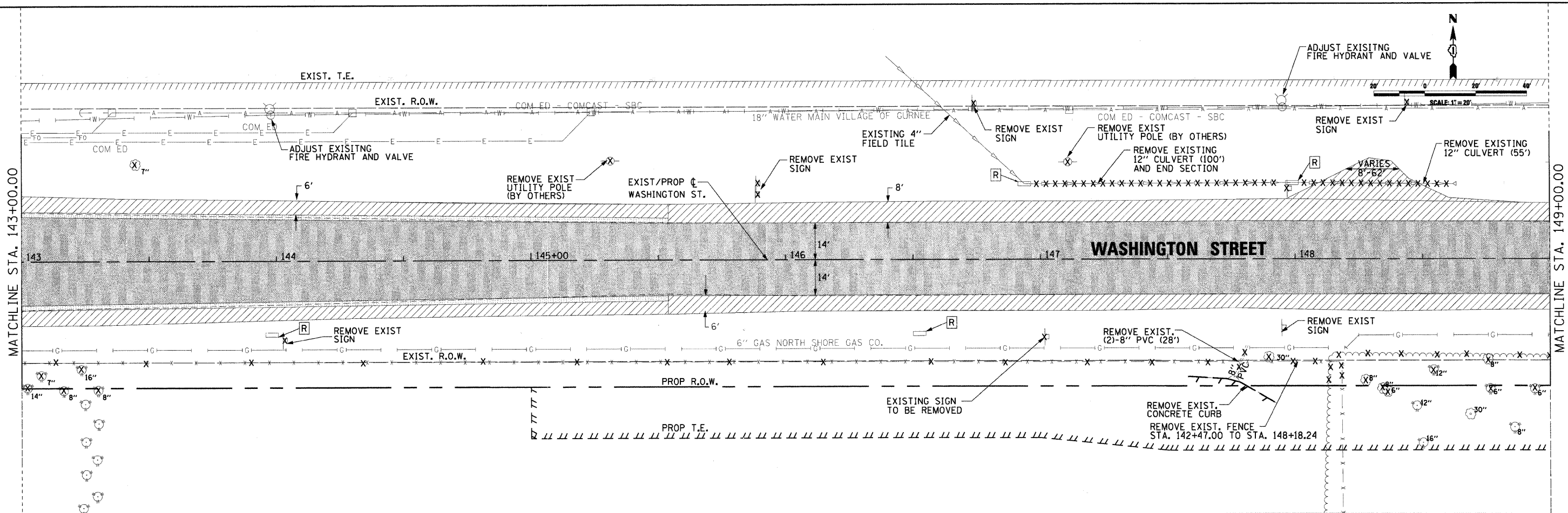
SCALE: 50'=1" SHEET NO. 24 OF 24 SHEETS STA. 17+00 TO STA. 25+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	51
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE 1) SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR REMOVAL OF EXISTING TEMPORARY SIGNAL EQUIPMENT AND POLES

GMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Steve Prange	DESIGNED - SJP	REVISED -	LakeCounty Division of Transportation	ROADWAY REMOVAL PLAN SCALE: 20'=1" SHEET NO. 1 OF 5 SHEETS STA. 131+00 TO STA. 143+00		F.A. R.T.E. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 52
	PLOT SCALE = 20,0000' / IN.	DRAWN - SJP	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	CONTRACT NO. 63209			
	PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -								
	DATE = 05/29/09	REMOVED -	REVISED -								



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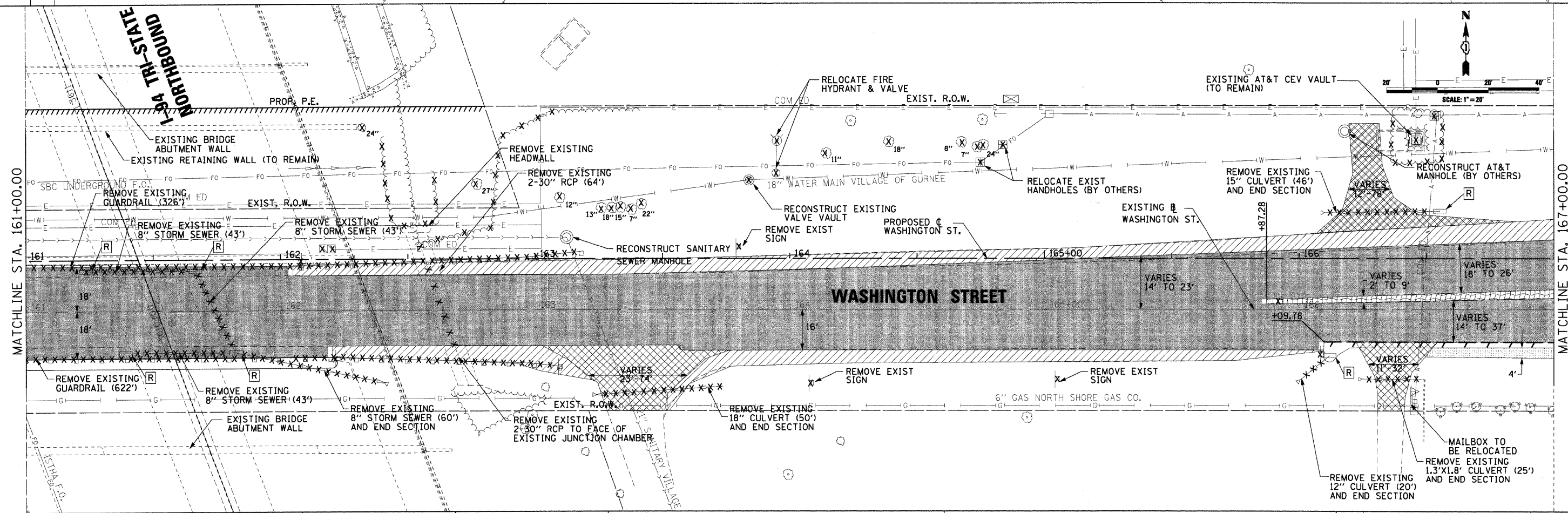
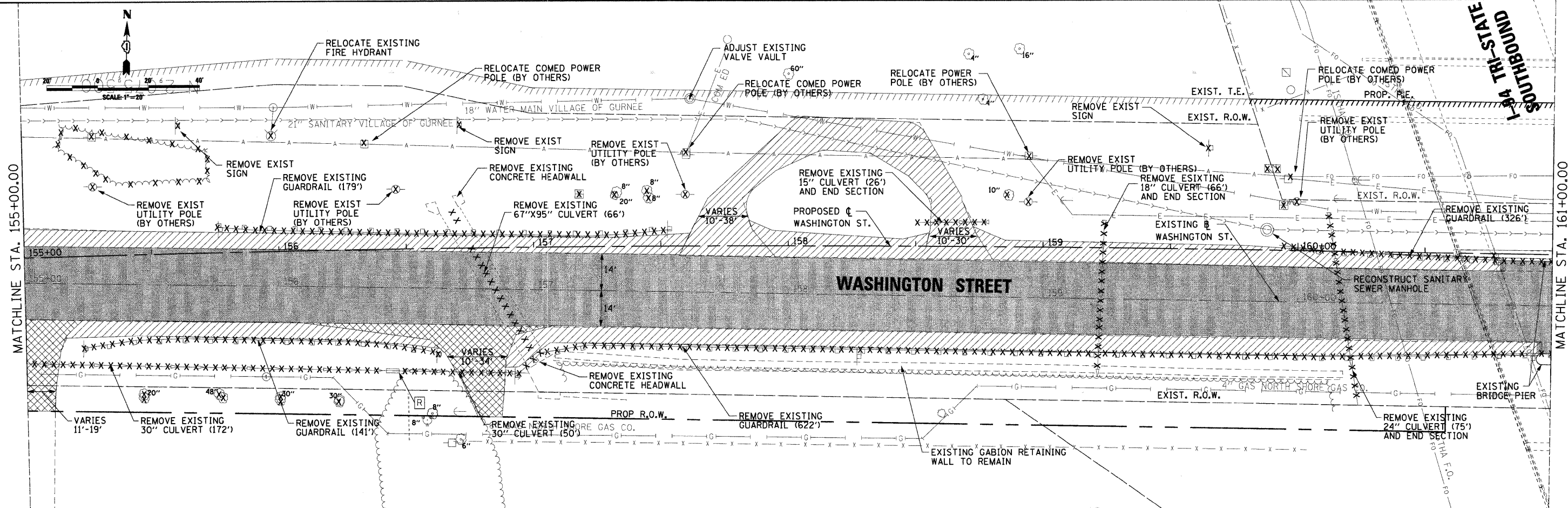
CMT CRAWFORD, MURPHY & TOLLY, INC. CONSULTING ENGINEERS License No. 084-00063	USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
	PLOT SCALE = 20.0000' / 1" IN.	DRAWN - SJP	REVISED -
	PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
		DATE - 05/29/09	REVISED -
			REVISED -



ROADWAY REMOVAL PLAN			
SCALE: 20'-1"	SHEET NO. 2 OF 5 SHEETS	STA. 143+00 TO STA. 155+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	53
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	

STATE ROUTE 194 NORTHBOUND



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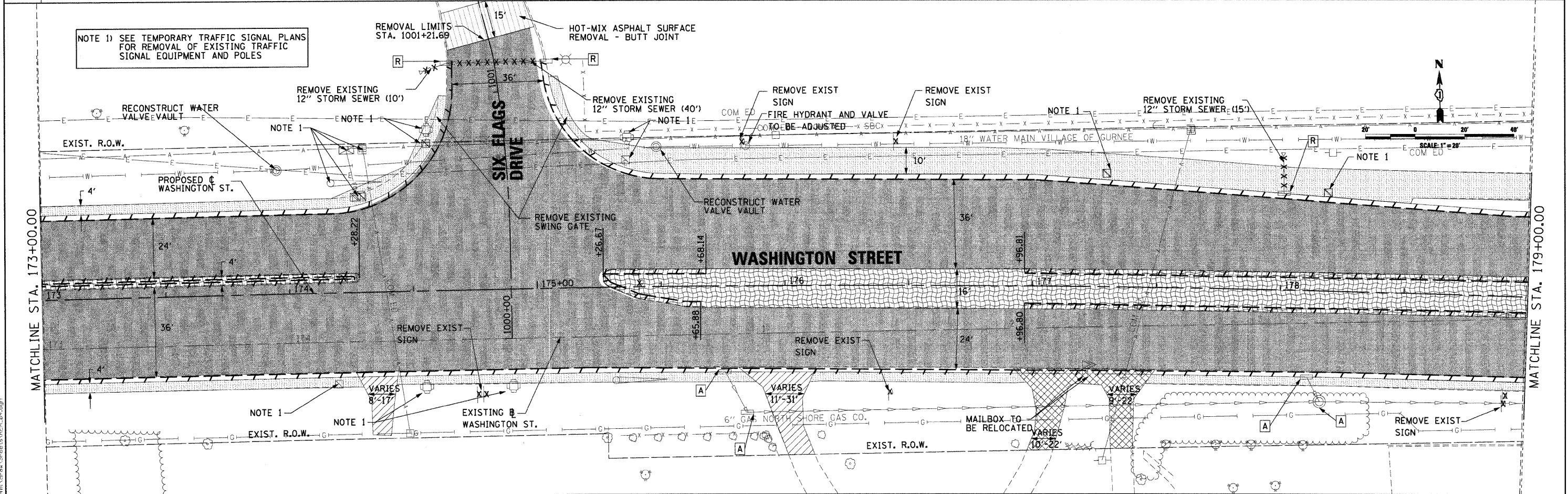
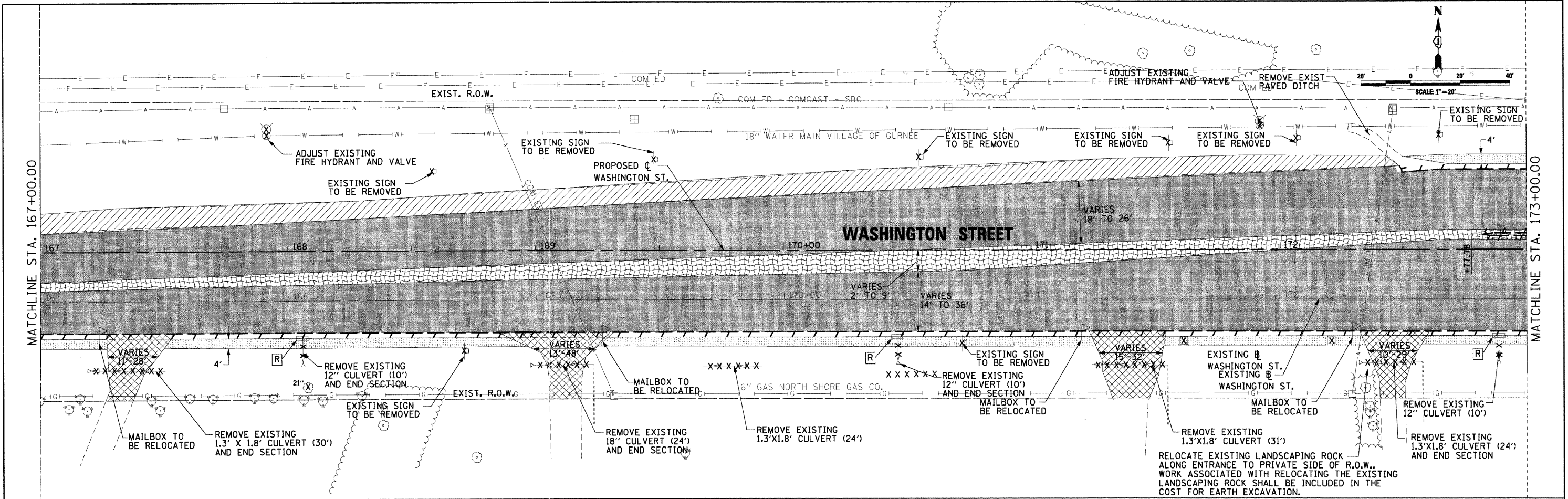
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	DESIGNED BY = SJP	DRAWN = SJP	REVISED =
	CHECKED = KDN	CHECKED = KDN	REVISED =
	DATE = 07/15/09	DATE = 07/15/09	REVISED =
			REVISED =

DESIGNED = SJP	REVISED =
DRAWN = SJP	REVISED =
CHECKED = KDN	REVISED =
DATE = 07/15/09	REVISED =



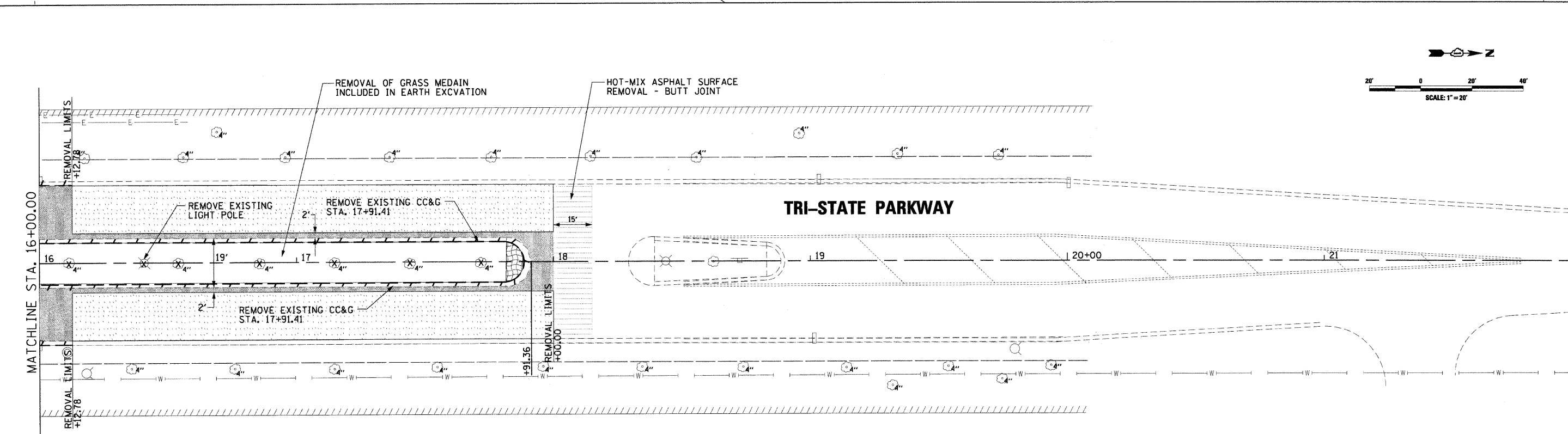
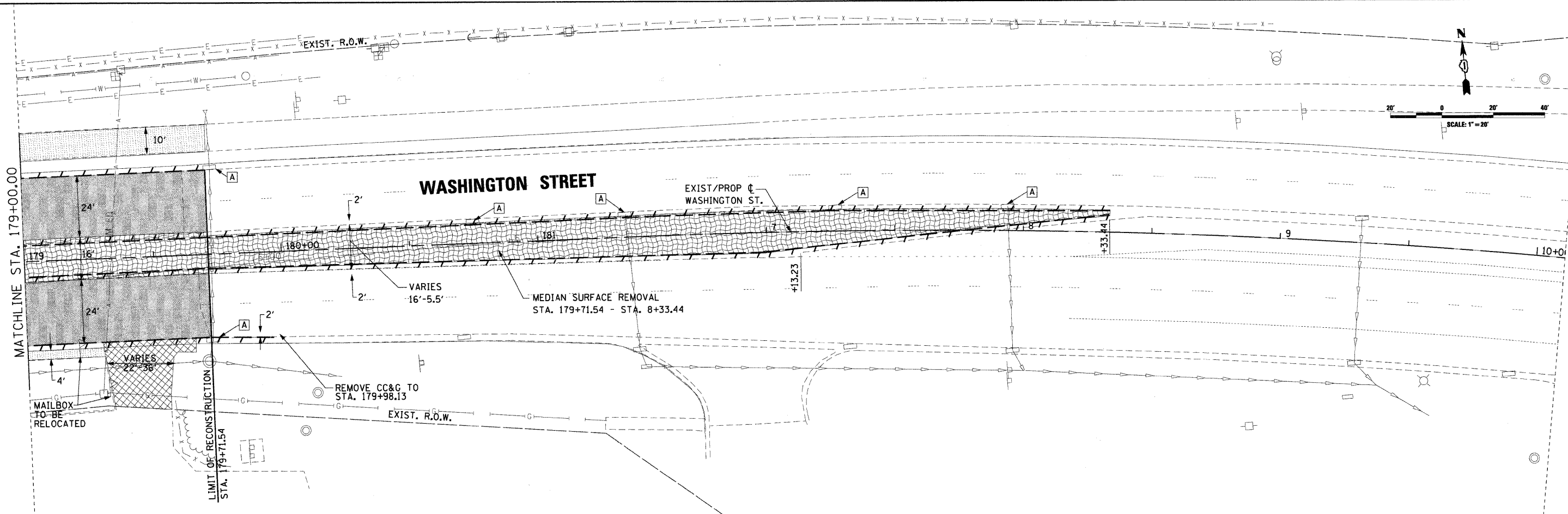
ROADWAY REMOVAL PLAN	
SCALE: 20'=1"	SHEET NO. 3 OF 5 SHEETS
STA. 155+00 TO STA. 167+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	54
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

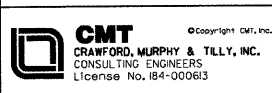


 CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Monice Grinson PLOT SCALE = 20.0000' / 1" IN. PLOT DATE = 07/15/09	DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 07/15/09	REVISED - REVISED - REVISED - REVISED -	 Lake County Division of Transportation	ROADWAY REMOVAL PLAN SCALE: 20'=1" SHEET NO. 4 OF 5 SHEETS STA. 167+00 TO STA. 179+00	F.A. RT. = 1016 SECTION = 02-00110-12-WR COUNTY = LAKE TOTAL SHEETS = 206 SHEET NO. = 55
						CONTRACT NO. 63209 FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT

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USER NAME = Steve Prange
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

REVISED -
 REVISED -
 REVISED -
 REVISED -



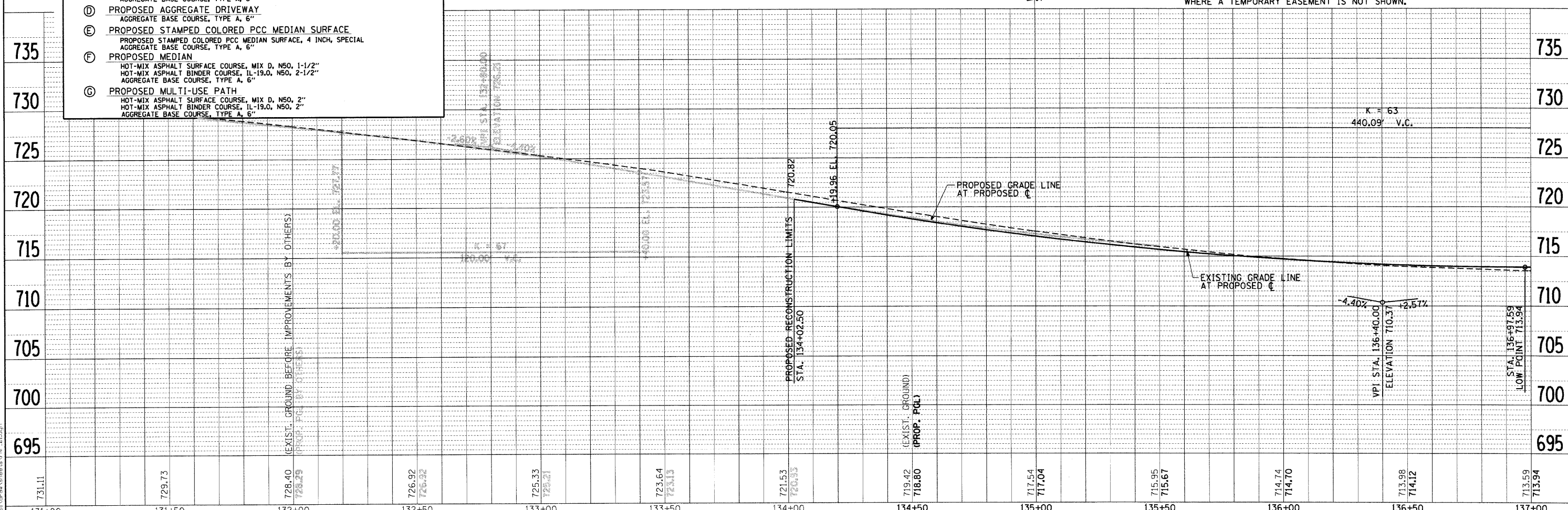
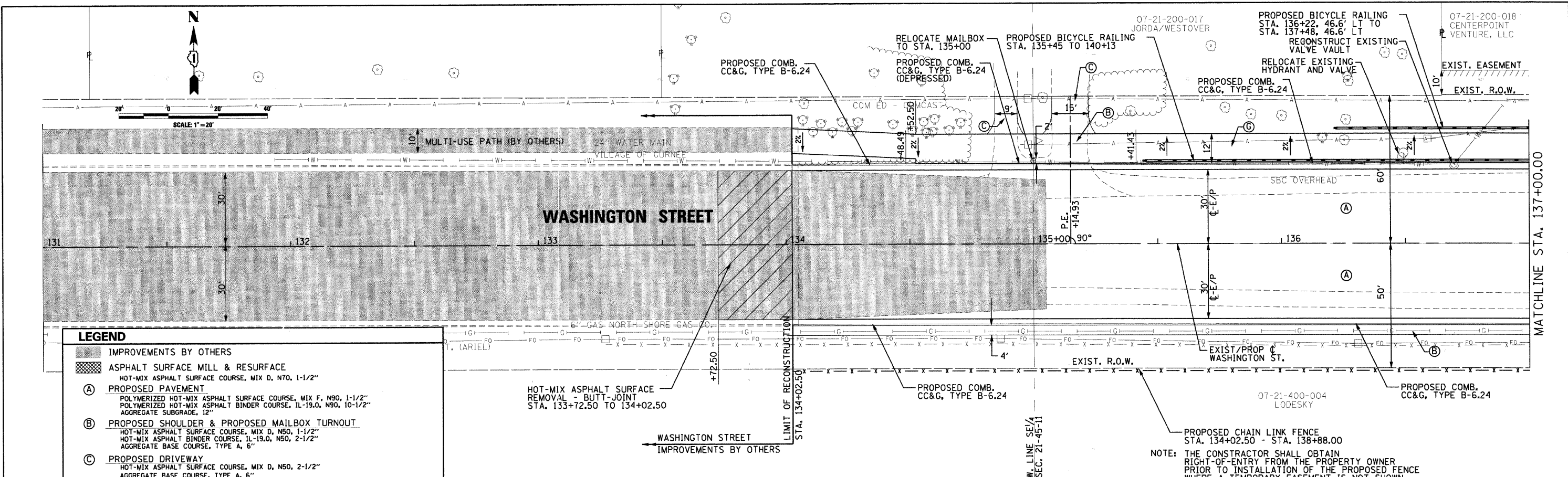
ROADWAY REMOVAL PLAN
 SCALE: 20'=1" SHEET NO. 5 OF 5 SHEETS STA. 179+00 TO STA. 10+11.03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	56
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	
REVISIONS	
NO.	
DATE	
BY	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	
REVISIONS	
NO.	

DATE	
BY	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	
REVISIONS	
NO.	
DATE	
BY	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	
REVISIONS	
NO.	

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731.11	729.73	728.40	726.92	725.33	723.64	721.53	719.42	717.54	715.95	714.74	713.98	713.59
131+00	131+50	132+00	132+50	133+00	133+50	134+00	134+50	135+00	135+50	136+00	136+50	137+00

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 064-000613

USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
DESIGNED - SJP	DRAWN - SJP	REVISED -
DESIGNED - SJP	CHECKED - KDN	REVISED -
DESIGNED - SJP	DATE - 05/29/09	REVISED -

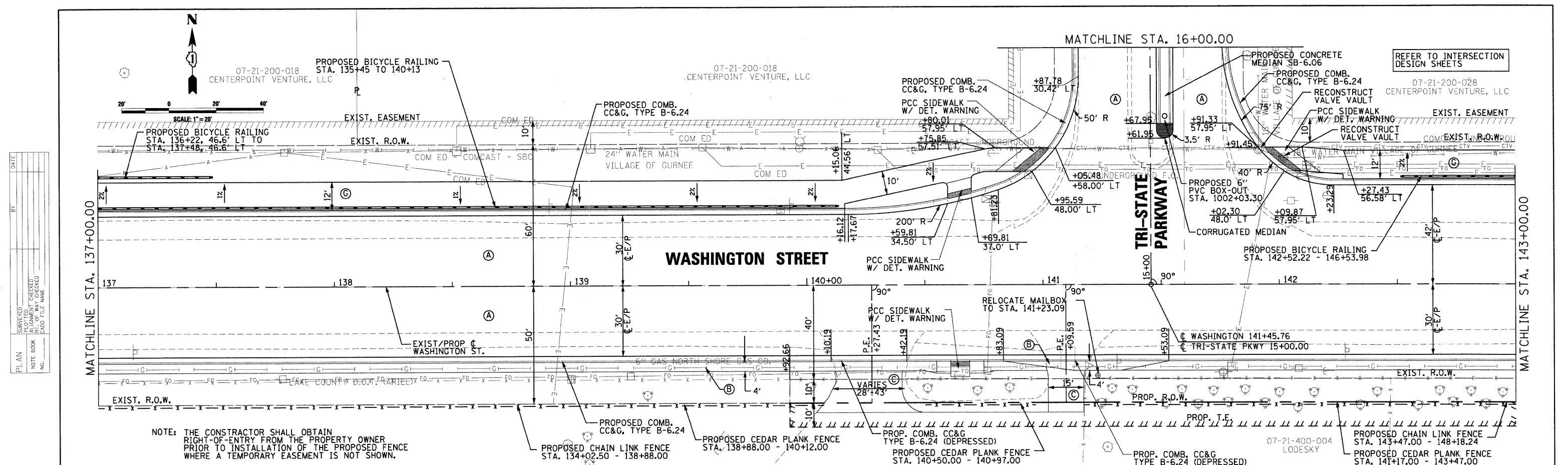
DESIGNED - SJP	REVISED -
DRAWN - SJP	REVISED -
CHECKED - KDN	REVISED -
DATE - 05/29/09	REVISED -

LakeCounty
Division of Transportation

PROPOSED ROADWAY PLAN & PROFILE

SCALE: 20'=1" SHEET NO. 1 OF 10 SHEETS STA. 131+00 TO STA. 137+00

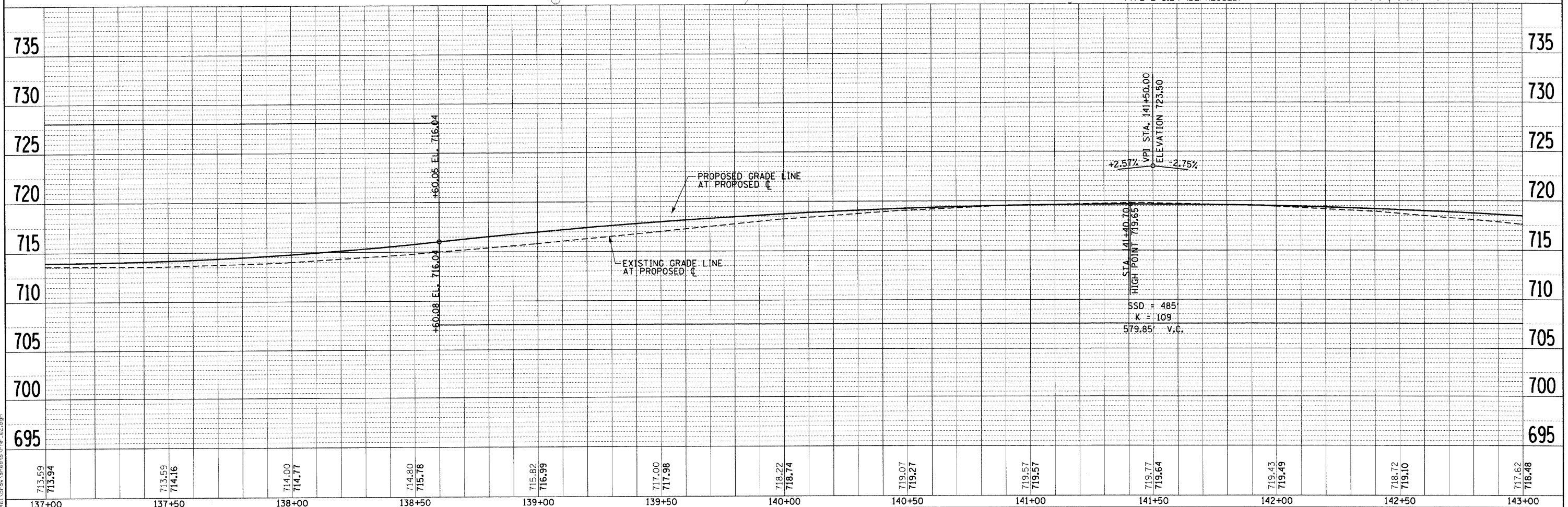
F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 57
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE: THE CONSTRUCTOR SHALL OBTAIN RIGHT-OF-ENTRY FROM THE PROPERTY OWNER PRIOR TO INSTALLATION OF THE PROPOSED FENCE WHERE A TEMPORARY EASEMENT IS NOT SHOWN.

DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY



STATION	ELEVATION
137+00	713.59 / 713.94
137+50	713.59 / 714.16
138+00	714.00 / 714.77
138+50	714.80 / 715.78
139+00	715.82 / 716.99
139+50	717.00 / 717.98
140+00	718.22 / 718.74
140+50	719.07 / 719.27
141+00	719.57 / 719.57
141+50	719.77 / 719.64
142+00	719.43 / 719.49
142+50	718.72 / 719.10
143+00	717.62 / 718.48

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

USER NAME = Steve Prange
DESIGNED - SJP
DRAWN - SJP
CHECKED - KDN
DATE - 05/29/09
PLOT SCALE = 28.8000' / 1"
PLOT DATE = 05/29/09

REVISIED -
REVISIED -
REVISIED -
REVISIED -

Lake County
Division of Transportation

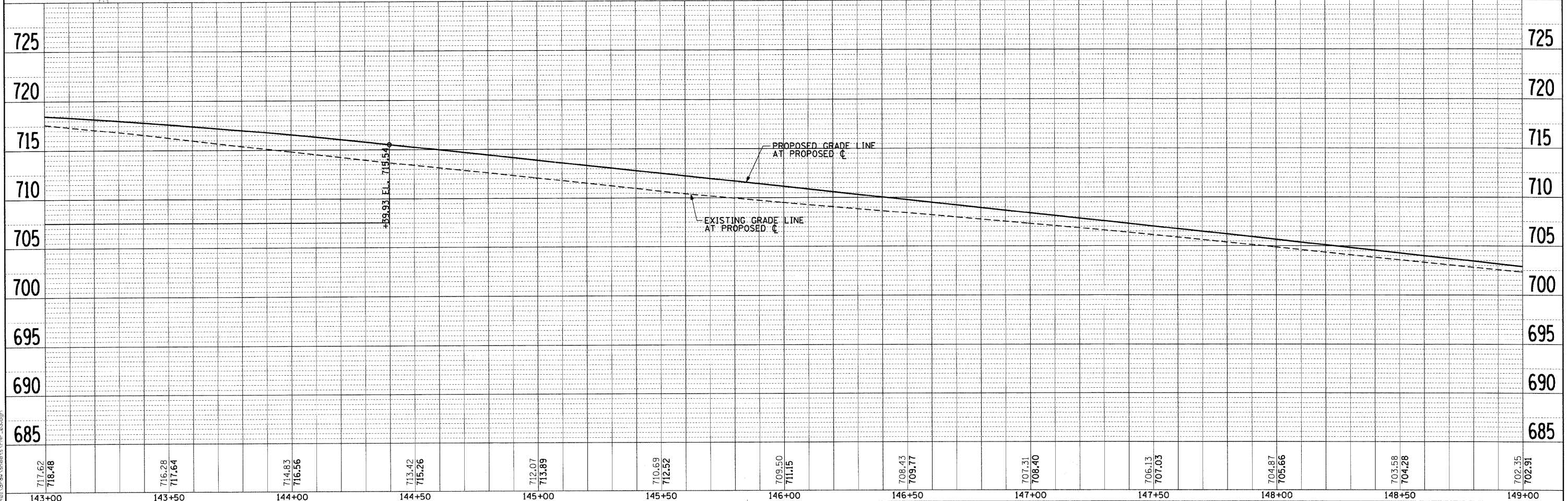
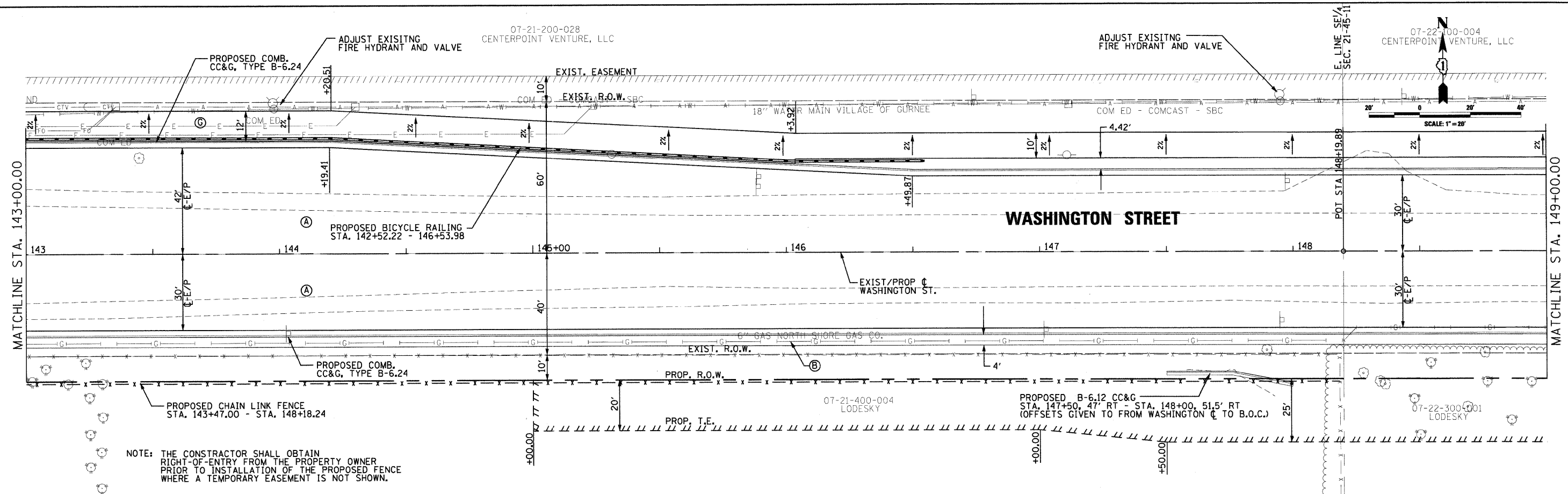
PROPOSED ROADWAY PLAN & PROFILE
SCALE: 20'=1"
SHEET NO. 2 OF 10 SHEETS
STA. 137+00 TO STA. 143+00

F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 58
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	BY		
	NO.		
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PROFILE	SURVEYED	BY	DATE
	GRADES		
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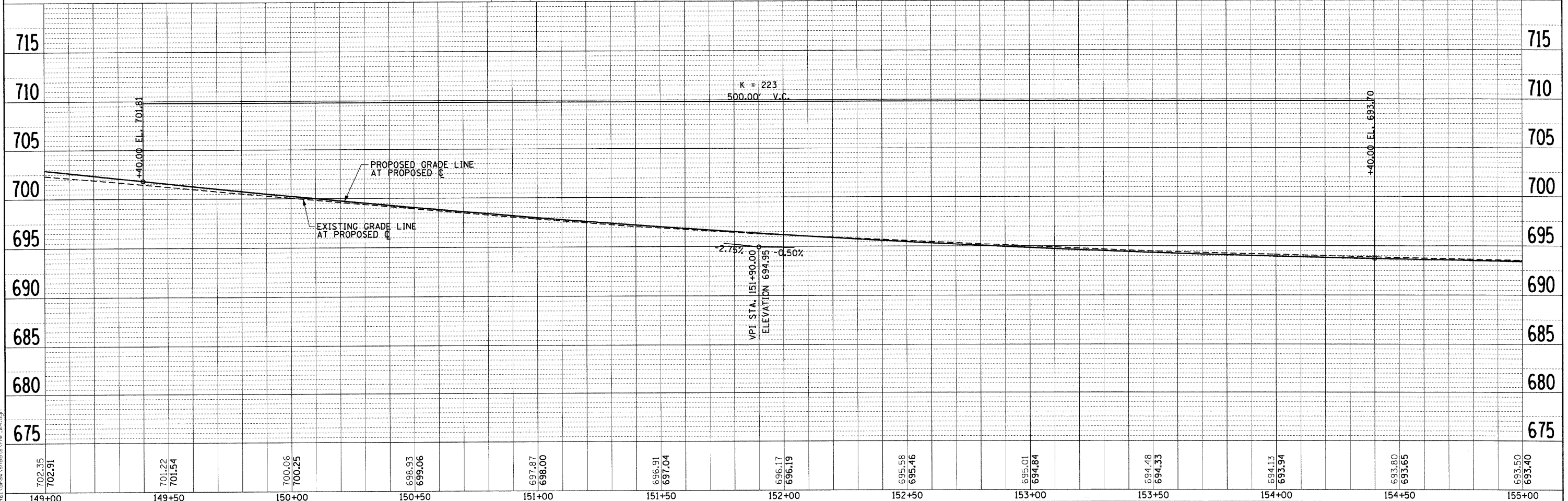
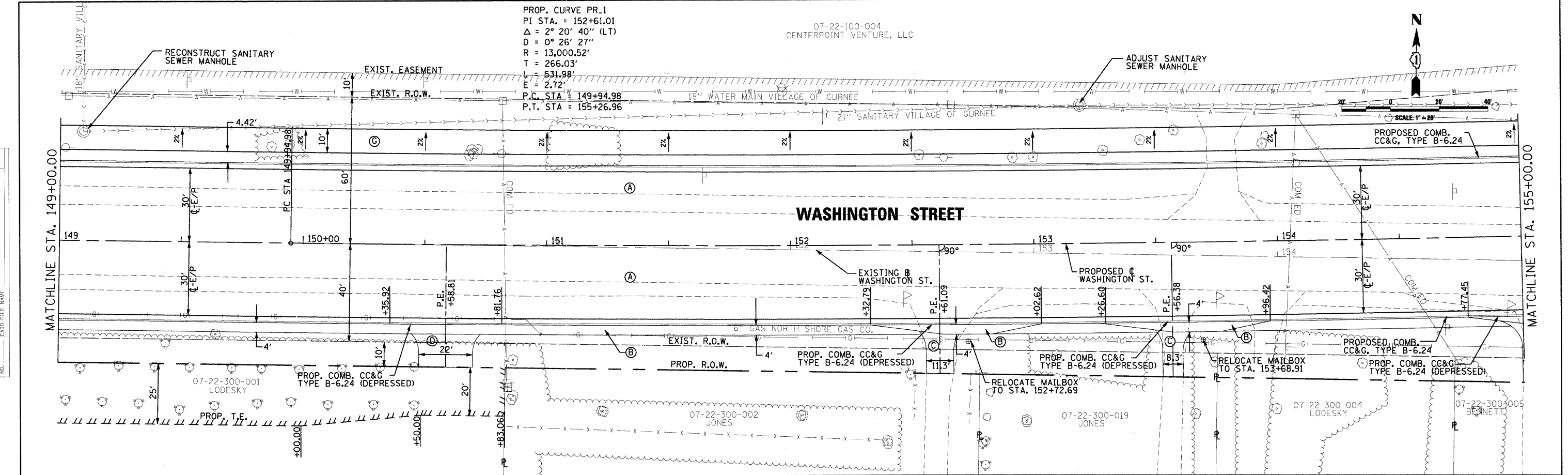
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<p>CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 084-000613</p>	USER NAME = Steve Prange DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	<p>Lake County Division of Transportation</p>	PROPOSED ROADWAY PLAN & PROFILE		F.A. RTE. 1016 SECTION 02-0010-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 59 CONTRACT NO. 63209
	PLOT SCALE = 20.0/000' / IN. PLOT DATE = 05/29/09	SCALE: 20'-1" SHEET NO. 3 OF 10 SHEETS STA. 143+00 TO STA. 149+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

PLAN	DATE
NOTED	
ALIGNED	
CHECKED	
NO.	

PROFILE	DATE
GRADES	
CHECKED	
NO.	

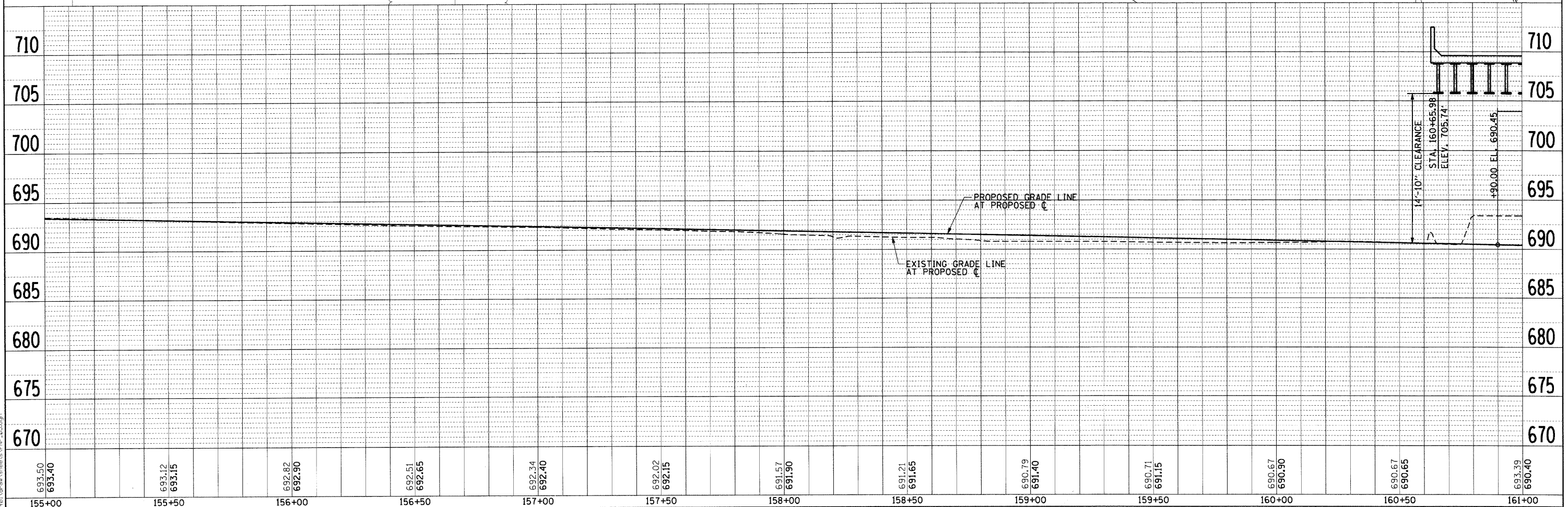
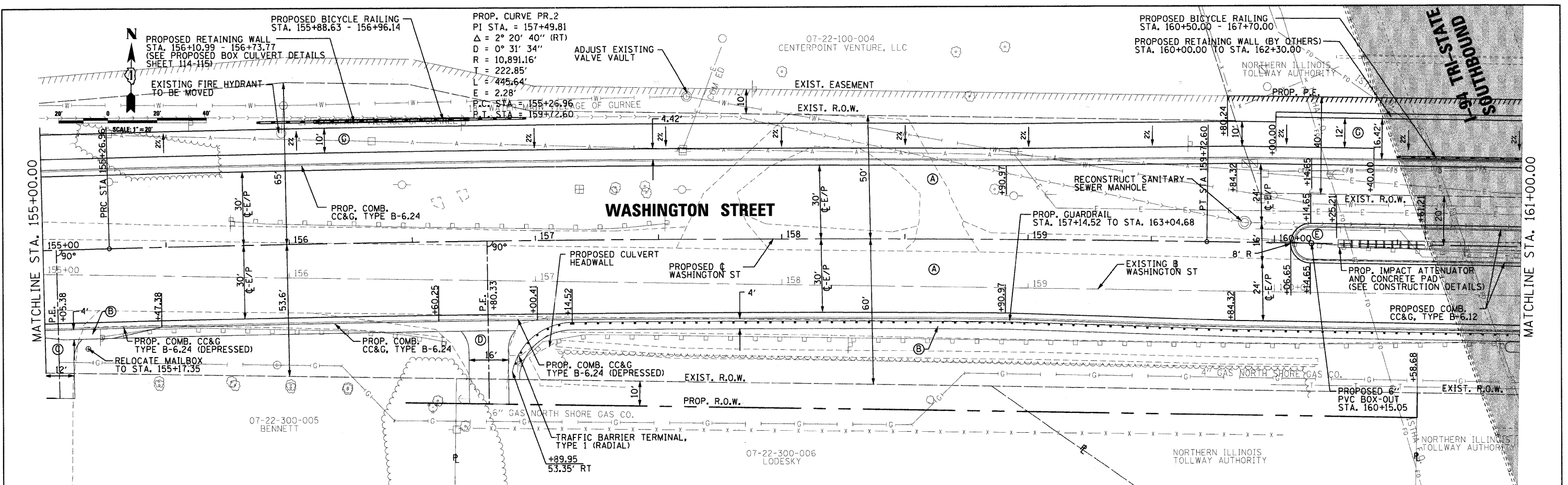


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CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 084-000613	USER NAME = Steve Prange DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	Lake County Division of Transportation	PROPOSED ROADWAY PLAN & PROFILE SCALE: 20'=1" SHEET NO. 4 OF 10 SHEETS STA. 149+00 TO STA. 155+00		F.A. RTE. 1016 SECTION 02-0010-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 60 CONTRACT NO. 63209
	PLOT SCALE = 20.0000' / IN. PLOT DATE = 05/29/09	REVISED - REVISED - REVISED - REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

PLAN	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	



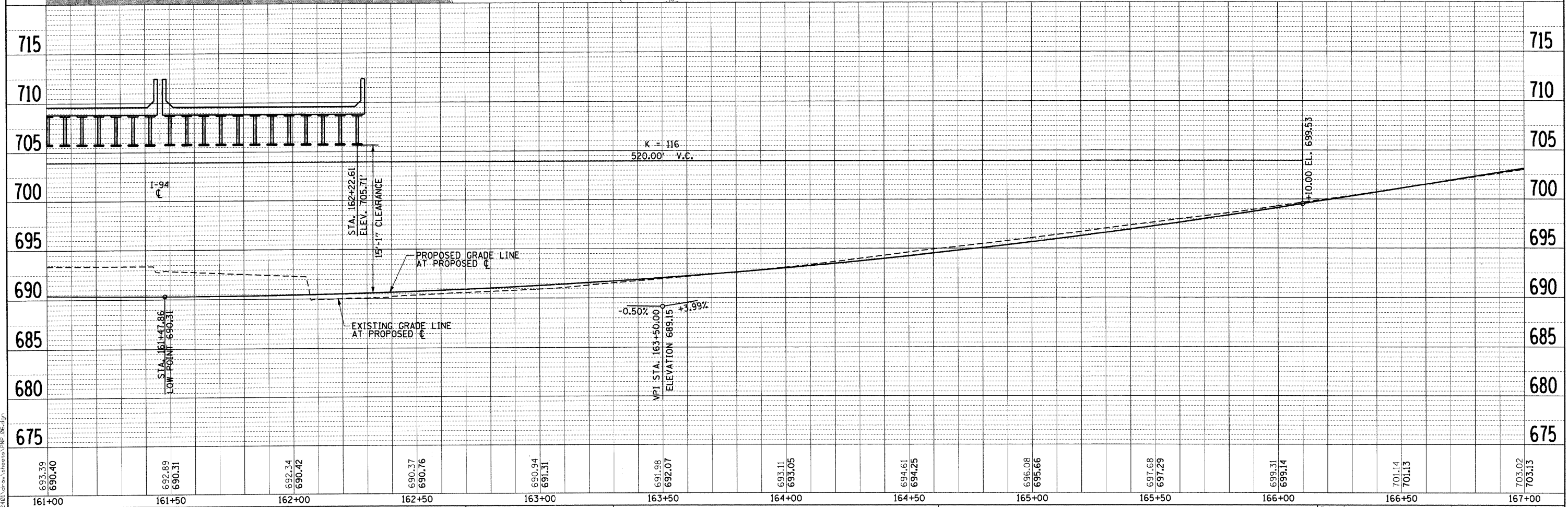
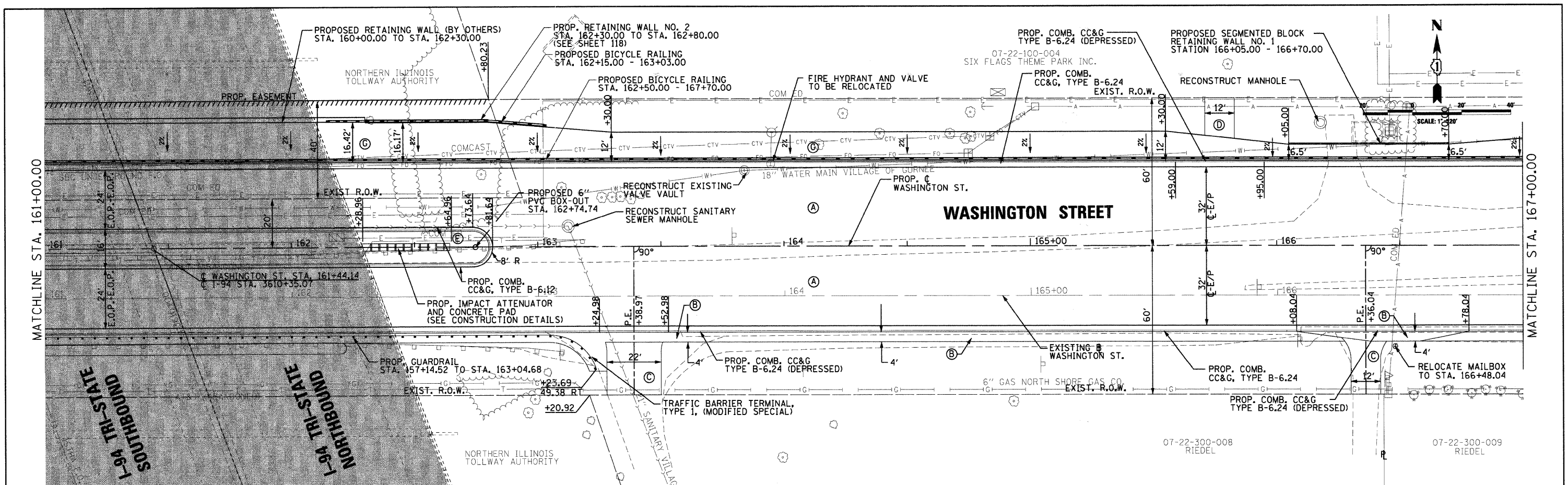
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CMT CRANFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Steve Prange DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	Lake County Division of Transportation	PROPOSED ROADWAY PLAN & PROFILE SCALE: 20'=1" SHEET NO. 5 OF 10 SHEETS STA. 155+00 TO STA. 161+00		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 61 CONTRACT NO. 63209
	PLOT SCALE = 20.0/200' / IN. PLOT DATE = 05/29/09			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	RT. OF WAY	
	CHECKED	
	NO.	
	DATE	
	BY	

PROFILE	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	RT. OF WAY	
	CHECKED	
	NO.	
	DATE	
	BY	

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161+00	161+50	162+00	162+50	163+00	163+50	164+00	164+50	165+00	165+50	166+00	166+50	167+00

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-00063

USER NAME = Monica Crislin
DESIGNED - SJP
DRAWN - SJP
CHECKED - KDN
DATE - 07/15/09

REVISED -
REVISED -
REVISED -
REVISED -



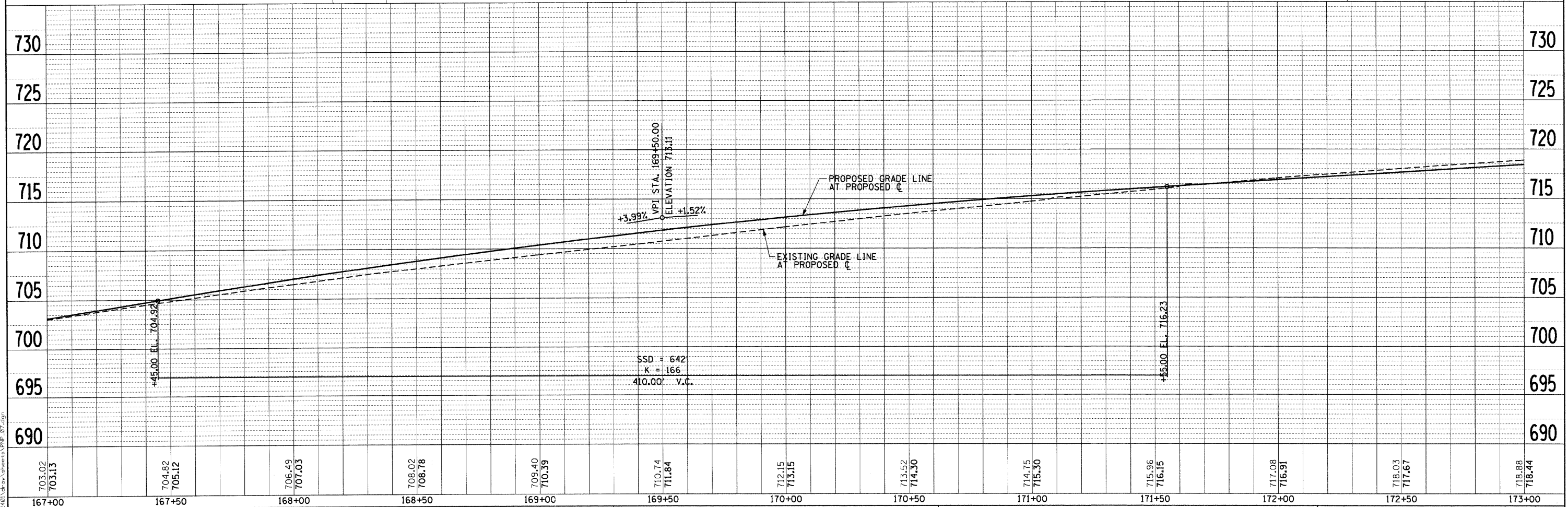
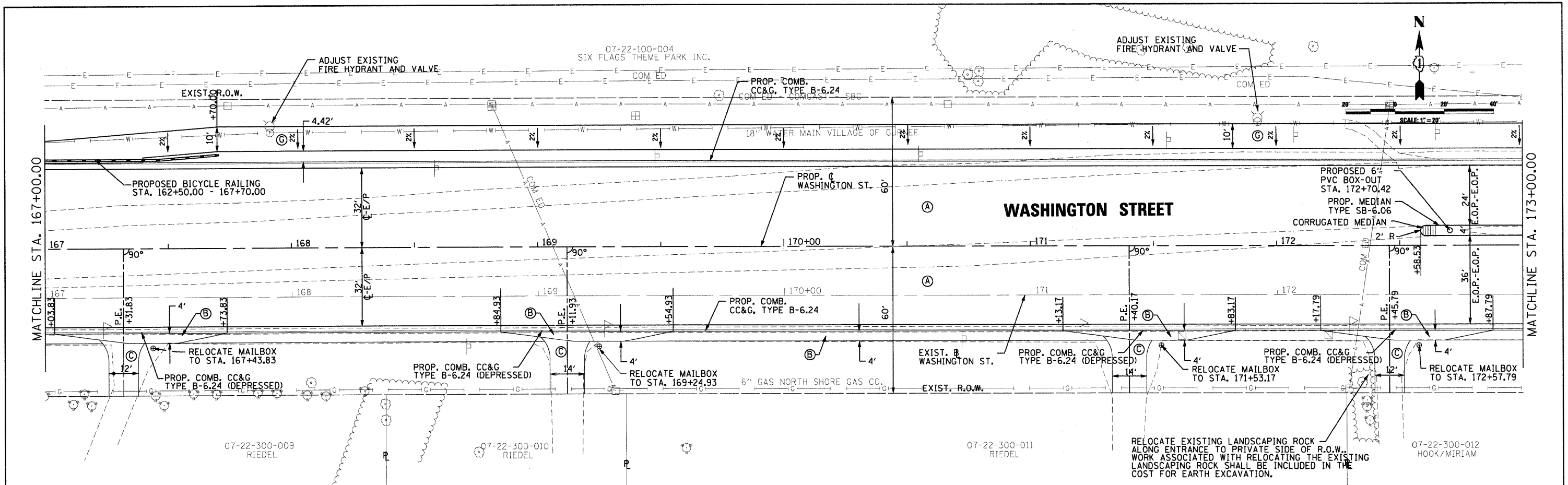
SCALE: 20'=1"
SHEET NO. 6 OF 10 SHEETS
STA. 161+00 TO STA. 167+00

PROPOSED ROADWAY PLAN & PROFILE			
F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			SHEET NO. 62
CONTRACT NO. 63209			

1016	02-00110-12-WR	LAKE	206	62
CONTRACT NO. 63209				

PLAN	DATE
SURVEYED	BY
ALIGNED	BY
CHECKED	BY
RT. OF WAY	BY
CHECKED	BY
NO.	NO.
FILE NAME	FILE NAME

PROFILE	DATE
SURVEYED	BY
PLOTTED	BY
CHECKED	BY
NO.	NO.
FILE NAME	FILE NAME



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CONSULTING ENGINEERS
License No. 084-00063

USER NAME = Monica Crismon
DESIGNED - SJP
DRAWN - SJP
CHECKED - KDN
DATE - 07/15/09

REVISIONS
REVISOR
DATE

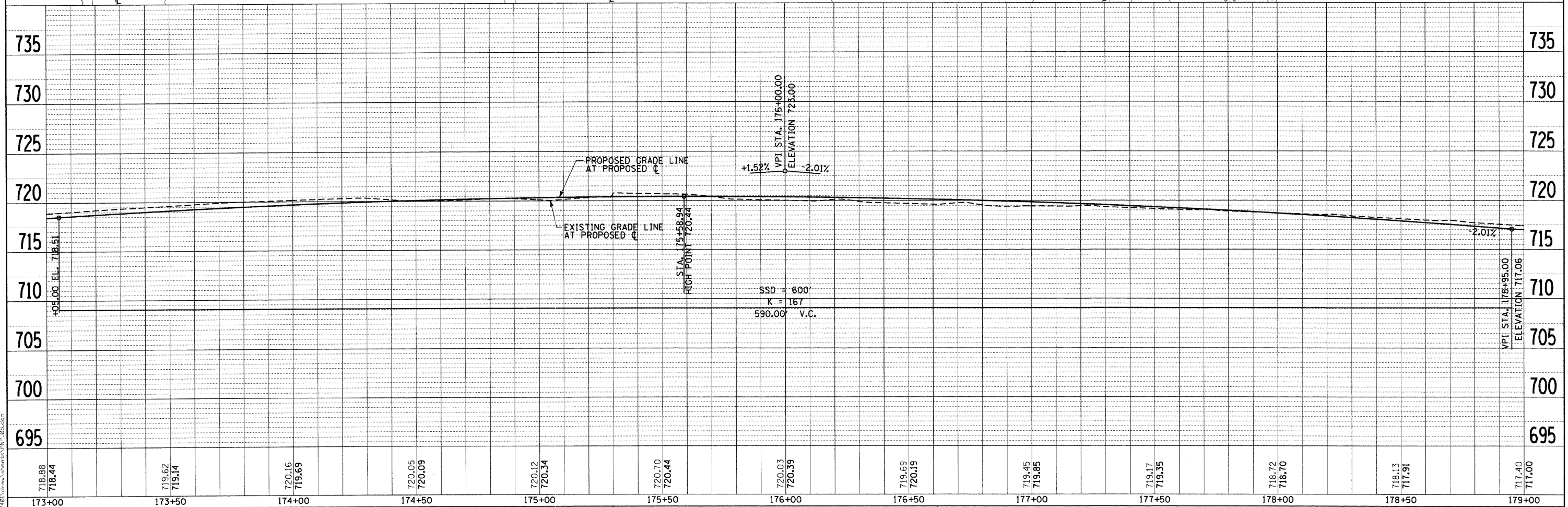
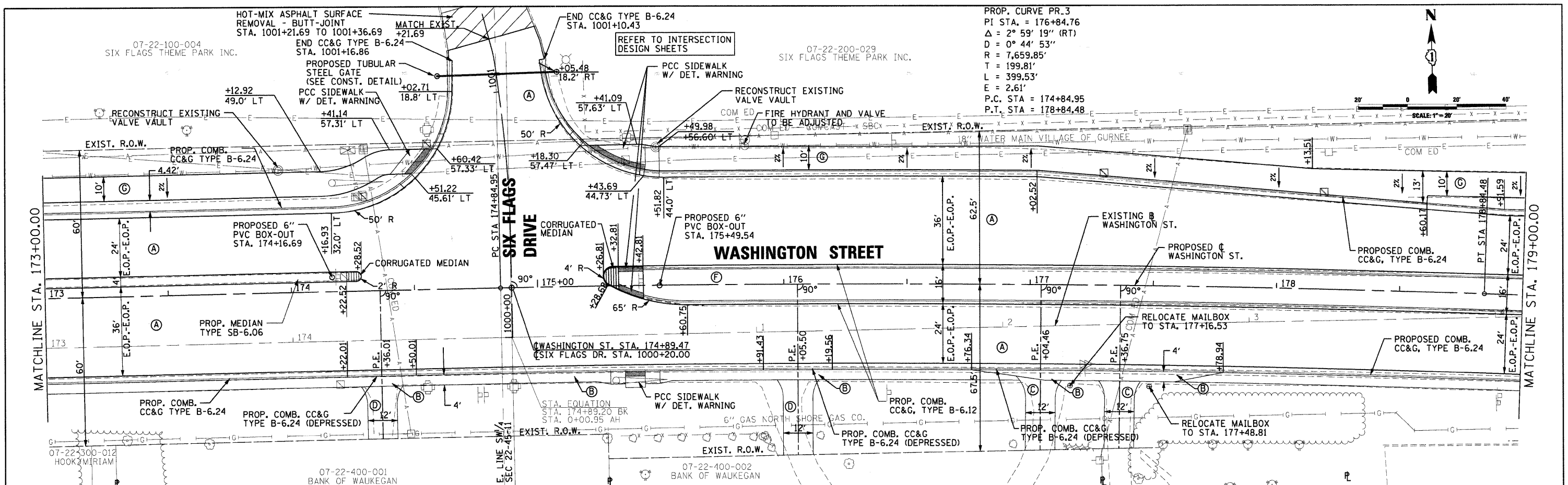


PROPOSED ROADWAY PLAN & PROFILE
SCALE: 20'±1" SHEET NO. 7 OF 10 SHEETS STA. 167+00 TO STA. 173+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	63
CONTRACT NO. 63209			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

DATE: _____ BY: _____
 SURVEYED _____
 ALIGNED _____
 CHECKED _____
 RT. OF WAY CHECKED _____
 NO. _____ CAD FILE NAME _____

DATE: _____ BY: _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 NO. _____ STRUCTURE NOTATIONS OFFAD _____



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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-00063

USER NAME = Monica Crismon	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -



PROPOSED ROADWAY PLAN & PROFILE

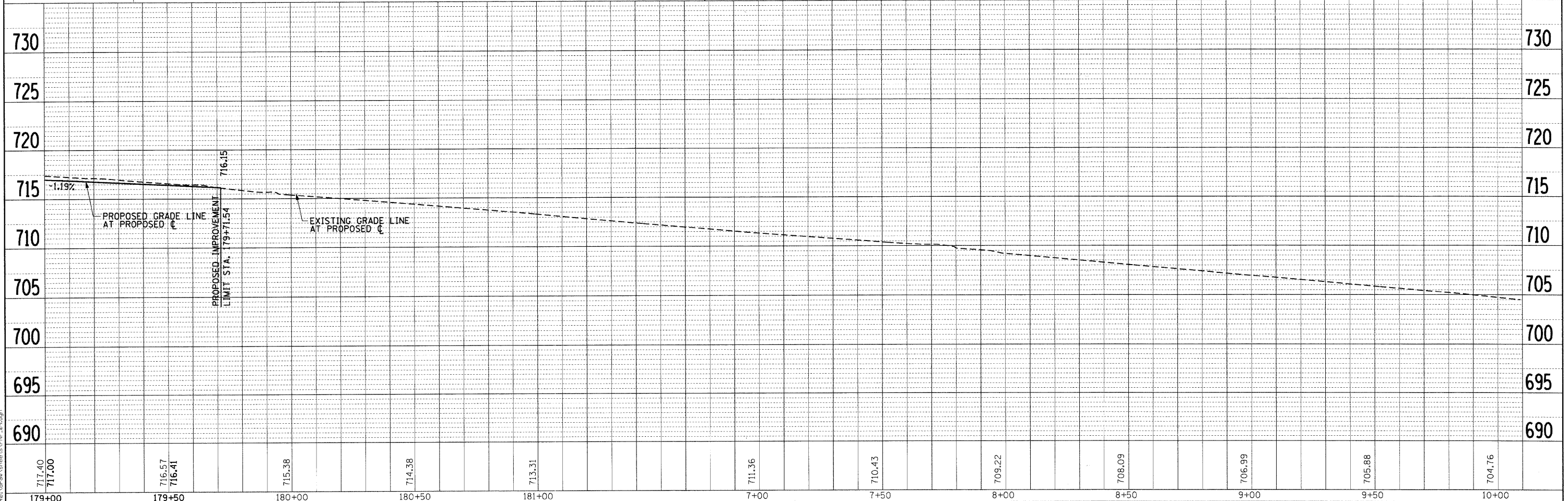
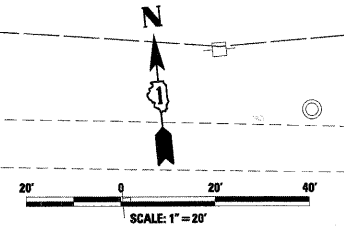
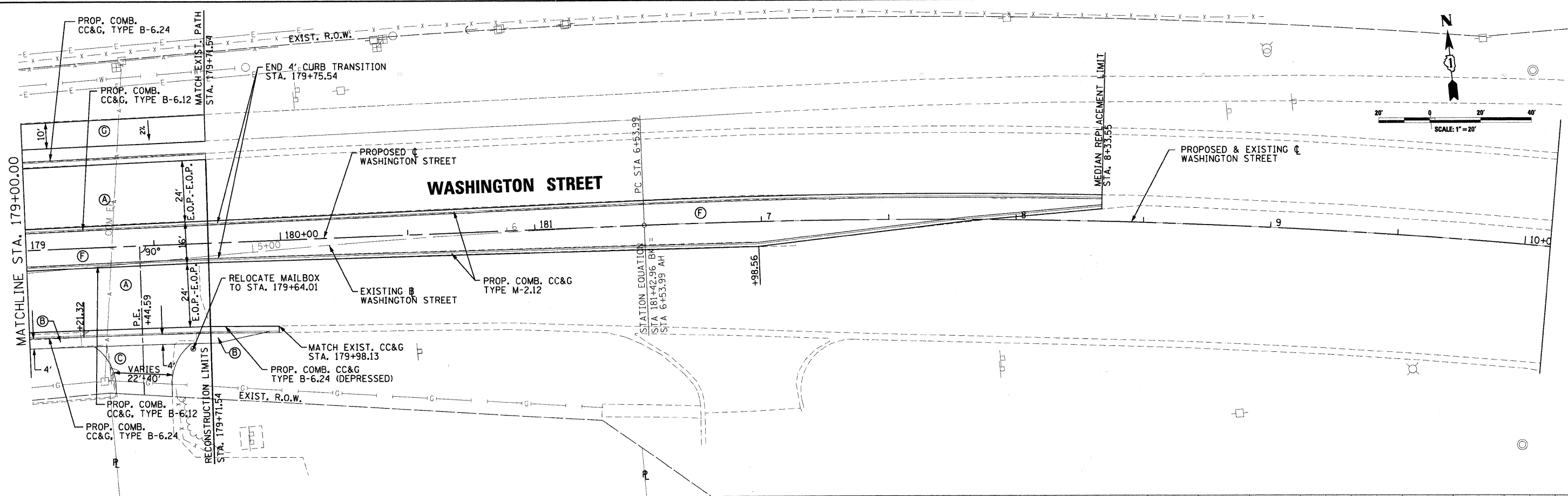
SCALE: 20"=1" SHEET NO. 8 OF 10 SHEETS STA. 173+00 TO STA. 179+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	64
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS		

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CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Steve Prange DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	Lake County Division of Transportation	PROPOSED ROADWAY PLAN & PROFILE		F.A. RTE. 1016 SECTION 02-0010-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 65 CONTRACT NO. 63209
	PLOT SCALE = 20.0000' / IN. PLOT DATE = 05/29/09	SCALE: 20'=1" SHEET NO. 9 OF 10 SHEETS STA. 179+00 TO STA. 10+10		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

PLAN

DATE: _____ BY: _____

REVISED: _____

NOTED: _____

NOTE BOOK NO. _____

ALIGNED CHECKED _____

FILE NAME _____

PROFILE

DATE: _____ BY: _____

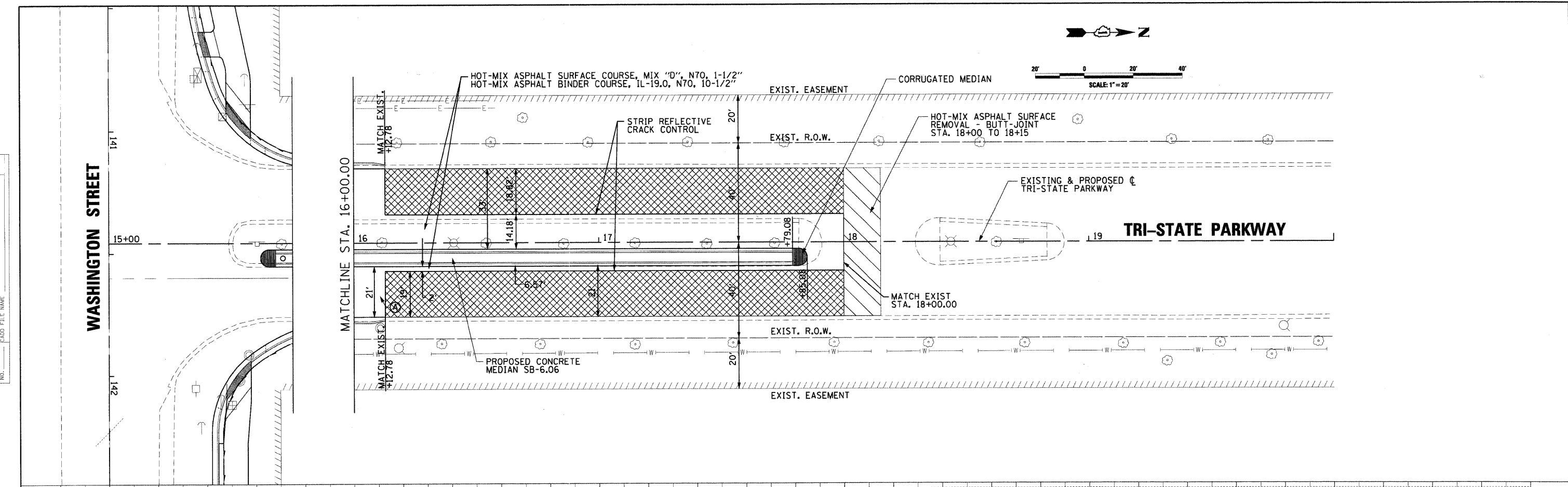
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NOTED: _____

NOTE BOOK NO. _____

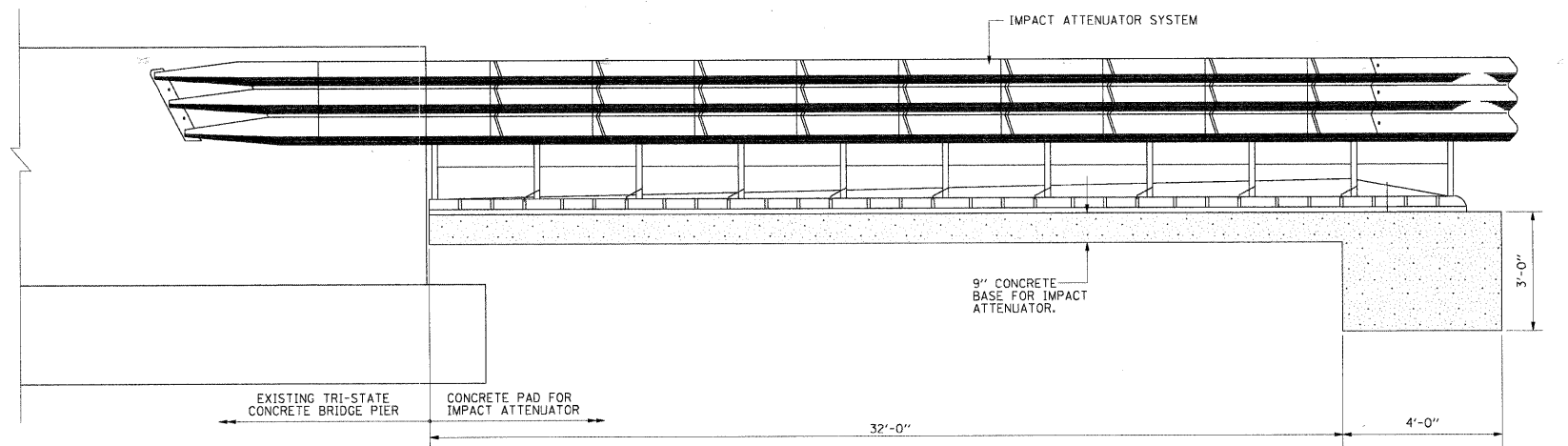
GRADES CHECKED _____

STRUCTURE NOTATIONS CHKO _____

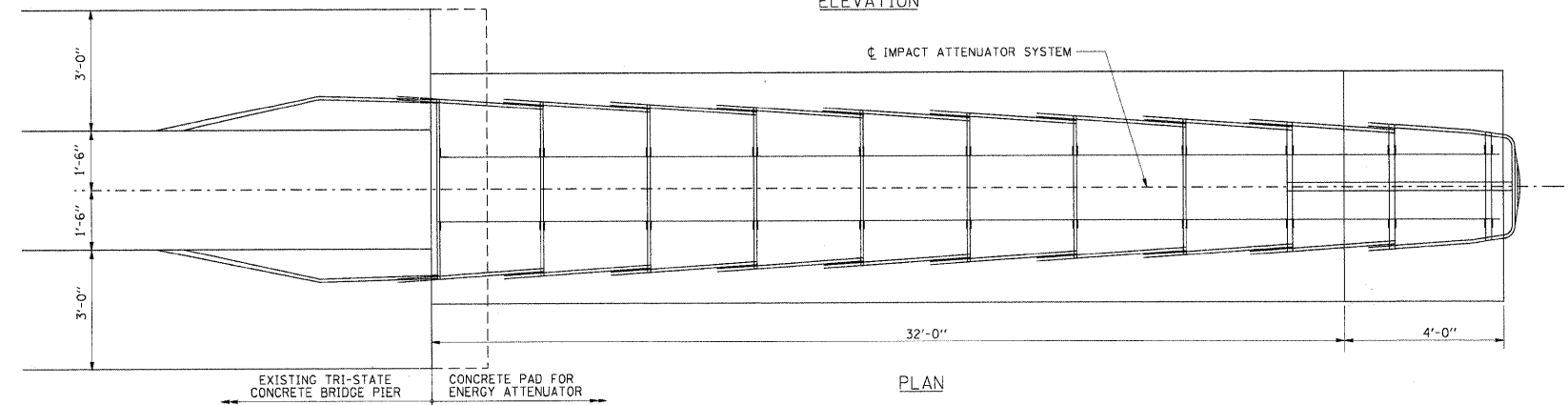


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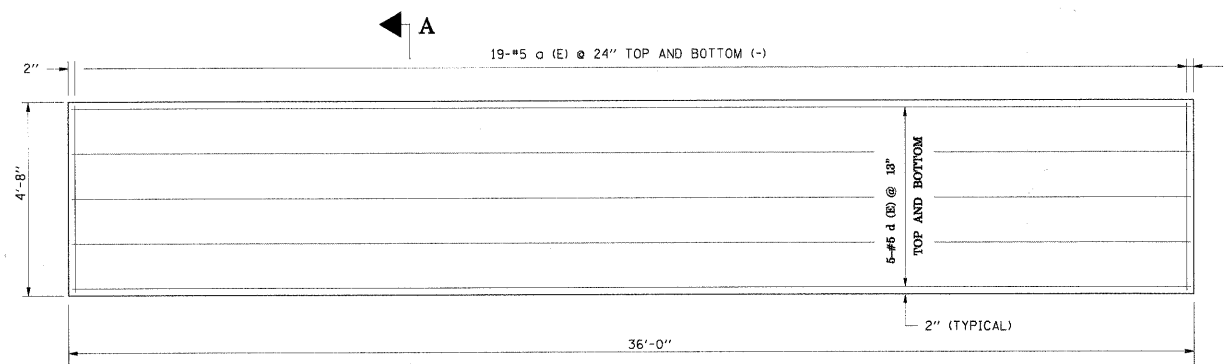
<p>CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613</p>	<p>USER NAME = Steve Prange</p> <p>DESIGNED - SJP</p> <p>REVISOR -</p> <p>DRAWN - SJP</p> <p>REVISOR -</p> <p>CHECKED - KDN</p> <p>REVISOR -</p> <p>DATE - 05/29/09</p> <p>REVISOR -</p>	<p>Lake County Division of Transportation</p>	<p>PROPOSED ROADWAY PLAN & PROFILE</p> <p>SCALE: 20'-1" SHEET NO. 10 OF 10 SHEETS STA. 16+00 TO STA. 20+00</p>		<p>F.A. RTE. 1016</p> <p>SECTION 02-00110-12-WR</p> <p>COUNTY LAKE</p> <p>TOTAL SHEETS 206</p> <p>SHEET NO. 66</p> <p>CONTRACT NO. 63209</p> <p>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</p>
	<p>PLOT SCALE = 20.0000' / IN.</p> <p>PLOT DATE = 05/29/09</p>				



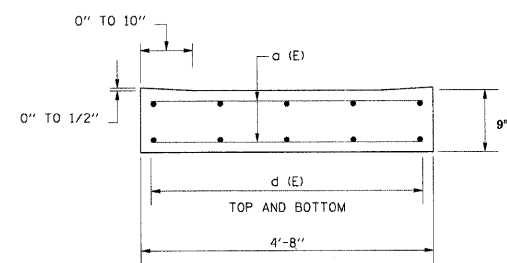
ELEVATION



PLAN



REINFORCING PLAN



SECTION A-A

NOTES:

1. THE IMPACT ATTENUATOR SYSTEM SHALL BE ACCEPTED AT TEST LEVEL 3 OF NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT 350 (NCHRP 350) CRITERIA.
2. IMPACT ATTENUATOR SYSTEM AND INSTALLATION TO BE PAID AT THE CONTRACT UNIT PRICE FOR EACH AS "IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 3".
3. REINFORCEMENT BARS DESIGNATED "E" SHALL BE EPOXY COATED.
4. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, GRADE 60, DEFORMED BARS. REINFORCEMENT BARS SHALL BE PAID FOR AS "REINFORCEMENT BARS, EPOXY COATED".
5. CROSS SLOPE OF PAD SHALL NOT EXCEED 8% AND NOT VARY MORE THAN 2% FROM FRONT TO BACK.
6. THE IMPACT ATTENUATOR PAD SHALL BE PAID AS "CONCRETE STRUCTURES".
7. QUANTITIES SHOWN IN THE BILL OF MATERIALS AND BAR SCHEDULE REFLECT BOTH IMPACT ATTENUATOR LOCATIONS.

BILL OF MATERIAL			
ITEM	UNIT	QUANTITY	PAD THICKNESS
CONCRETE STRUCTURES (50800225)	CU YD	12.4	9"
REINFORCEMENT BARS, EPOXY COATED (50800205)	POUND	1088	-
IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 3 (20080070)	EACH	2	-

BAR SCHEDULE				
BAR	NO.	SIZE	LENGTH	SHAPE
a (E)	76	#5	4'-4"	-
d (E)	20	#5	35'-8"	-

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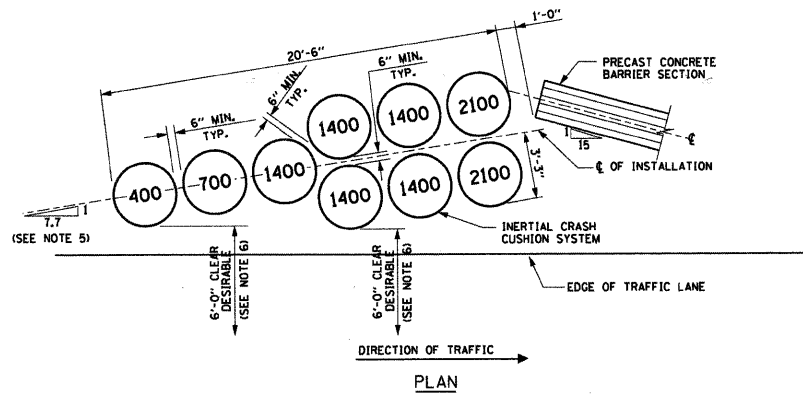
USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



CONSTRUCTION DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. N/A TO STA. N/A

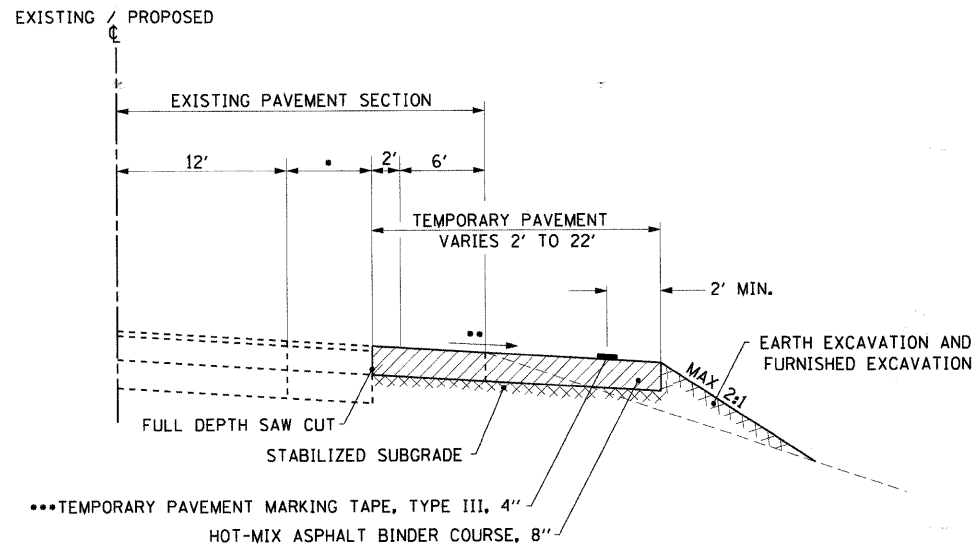
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	67
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
FOR 45 MPH POSTED SPEED LIMIT (9 MODULES)**

NOTES FOR IMPACT ATTENUATORS

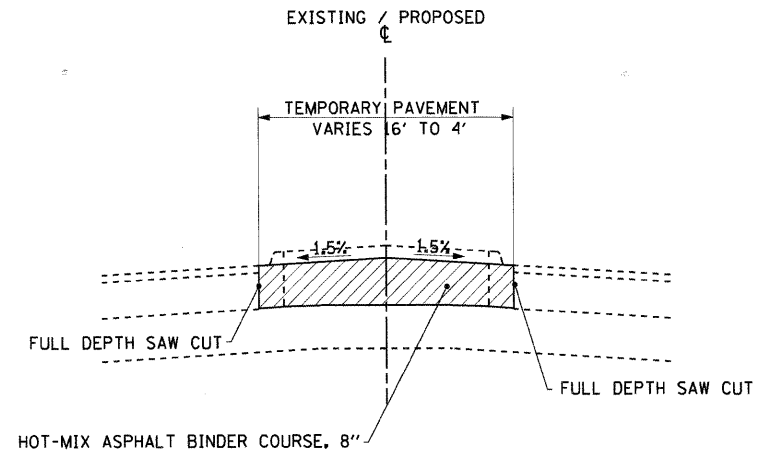
1. BARREL ARRANGEMENT SHOWN APPLIES TO CONSTRUCTION ZONES WITH 45 MPH AND 55 MPH POSTED SPEED LIMITS. FOR OTHER SPEED LIMITS, TEMPORARY CRASH CUSHION SYSTEM SHALL BE AS SHOWN ON PLANS.
2. NUMBERS ON BARRELS INDICATE WEIGHT IN POUNDS OF SAND IN EACH CONTAINER.
3. SAND BARRELS SHALL BE PLACED PRIOR TO COMMENCING PLACEMENT OF PRECAST BARRIER UNITS.
4. THE TEMPORARY INERTIAL CRASH CUSHION SYSTEM SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
5. THE ORIENTATION RATIO AS SHOWN IS THE MAXIMUM DESIRED, HOWEVER DUE TO OTHER RESTRAINTS, THIS RATIO CAN BE INCREASED, AS APPROVED BY THE ENGINEER.
6. WHERE THE BARRELS ARE LOCATED WITHIN A BARRICADED CONSTRUCTION ZONE, THEY SHALL BE LOCATED AS FAR AWAY FROM THE EDGE OF THE TRAFFIC LANE AS POSSIBLE WITH A MINIMUM CLEARANCE OF 2 FEET.



TEMPORARY PAVEMENT WIDENING DETAIL

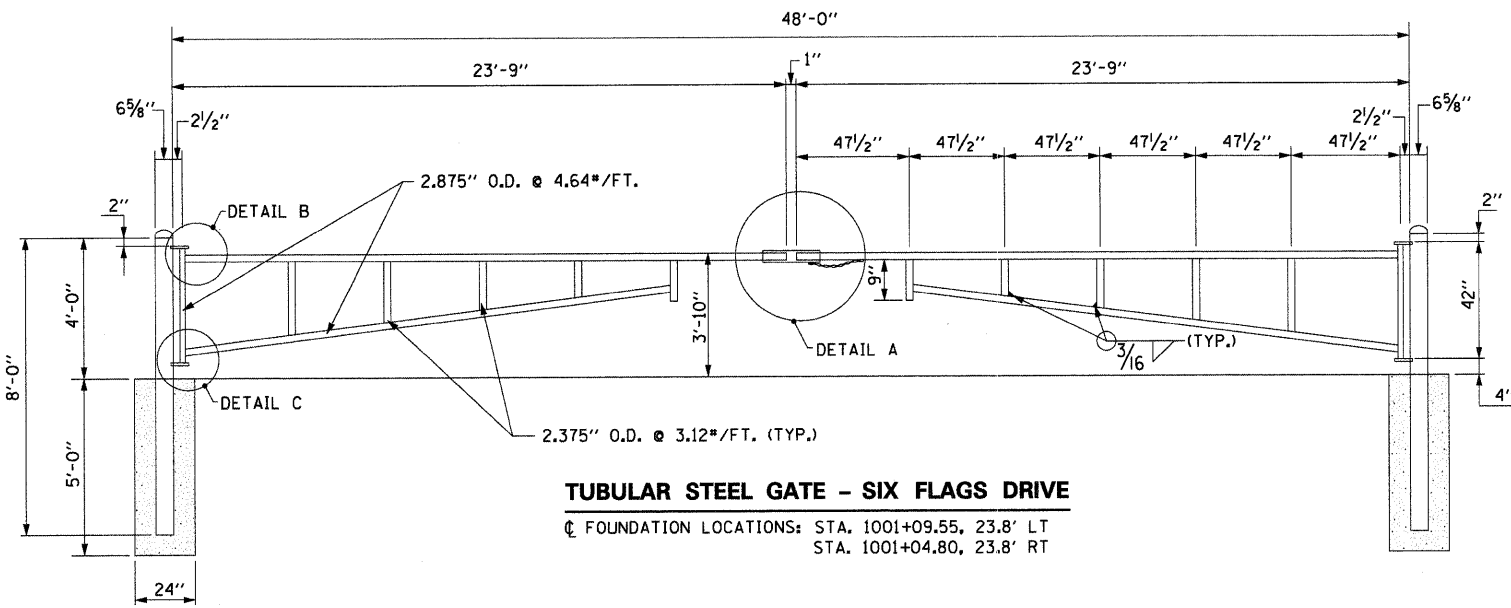
STA. 136+45.00 TO STA. 145+53.88

- STA. 134+02.50 TO STA. 145+53.88 (VARIES FROM 0' TO 6')
- THE TEMPORARY PAVEMENT SHALL MATCH THE CROSS SLOPE OF THE EXISTING PAVEMENT.
- TEMPORARY PAVEMENT MARKING WITH PAINT WILL BE ACCEPTABLE IN AREAS THAT WILL BE SUBSEQUENTLY REMOVED AS PART OF THE PROPOSED IMPROVEMENTS. (SEE MOT PLANS)



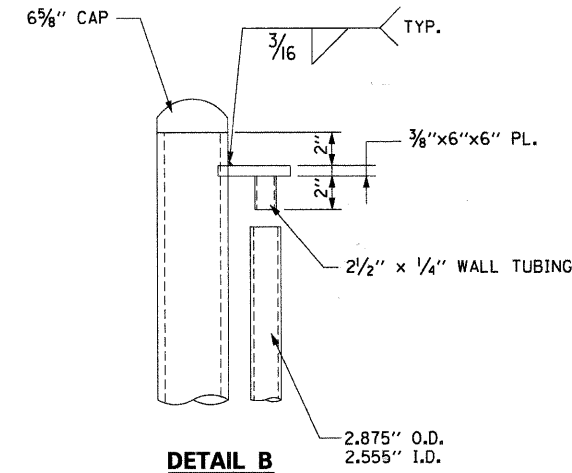
TEMPORARY PAVEMENT CROSS-OVER DETAIL

STA. 175+26.81 TO STA. 8+33.48

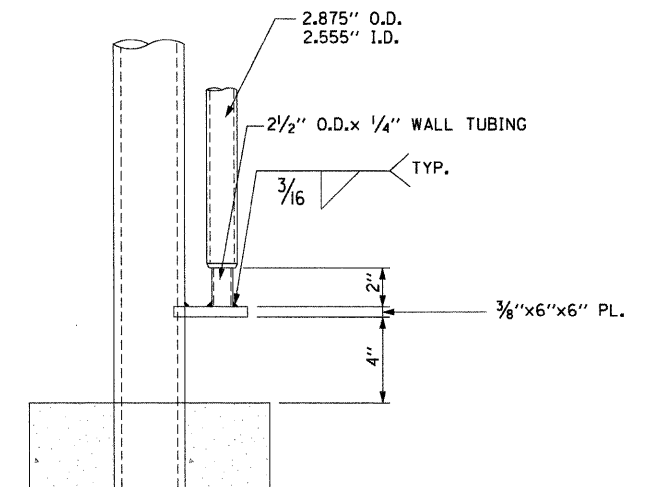


TUBULAR STEEL GATE - SIX FLAGS DRIVE

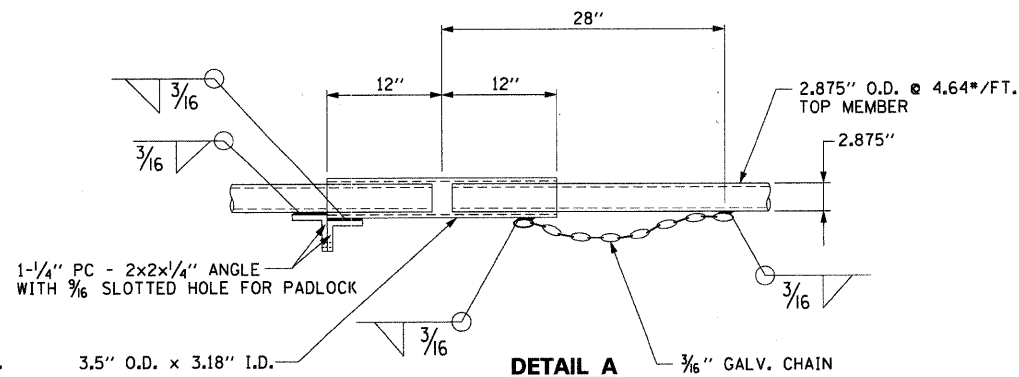
FOUNDATION LOCATIONS: STA. 1001+09.55, 23.8' LT
STA. 1001+04.80, 23.8' RT



DETAIL B



DETAIL C



DETAIL A

NOTES:

1. USE CLASS SI CONCRETE FOR FOOTINGS.
2. WELD GATE WITH 3/16" WELDS TYP. CLEAN WELDS AND PAINT WITH HEAVY COAT OF ZINC RICH PAINT. USE PRE-GALVANIZED PIPE ALLIED SS-40 EXCEPT GATE POST @ 6 5/8" O.D. ARE SCHEDULE 40 PIPE.
3. THE PROPOSED HINGE SHALL BE INSTALLED FACING NORTH TO RESTRICT GATE FROM OPENING INTO WASHINGTON STREET TRAFFIC.

FILE NAME: I:\LakeCounty\2009\22401\Drawings\Sheet\CD_02.dwg



USER NAME = Steve Prange
PLOT SCALE = 20.0000' / IN.
PLOT DATE = 05/29/09

DESIGNED - SJP
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DATE - 05/29/09

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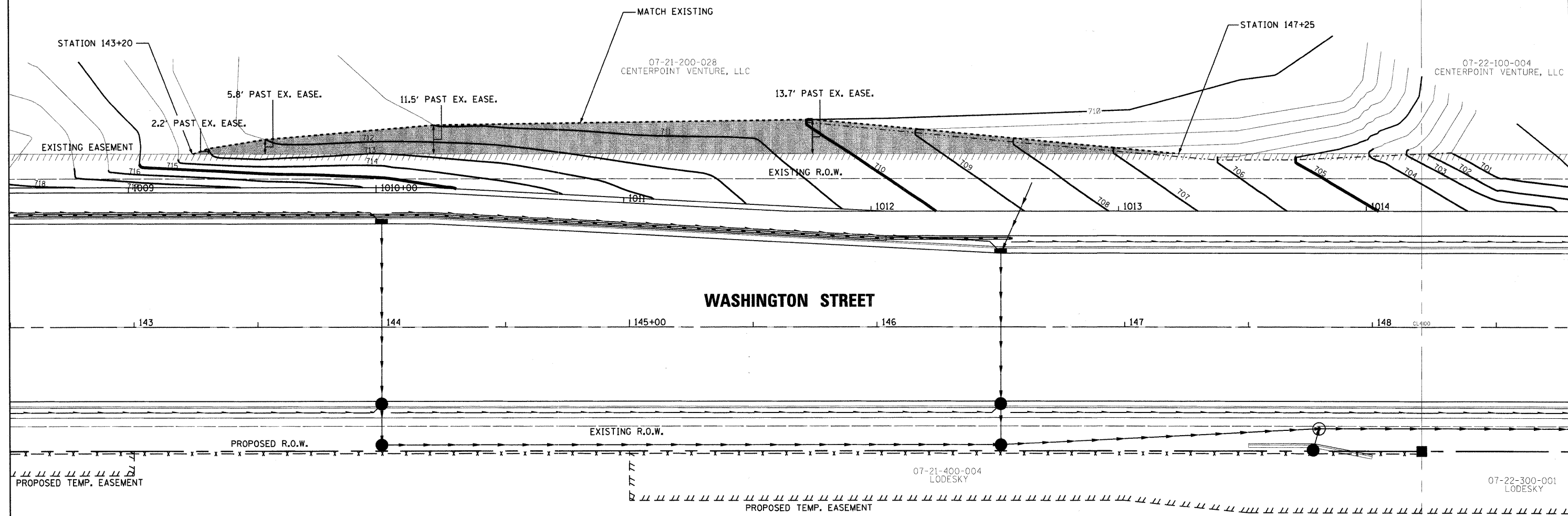
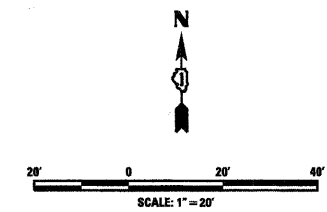
CONSTRUCTION DETAILS

SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	68
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND:

- GRADING LIMIT
- ▨ GRADING AREA ON CENTERPOINT PROPERTY
- EXISTING CONTOUR
- PROPOSED CONTOUR

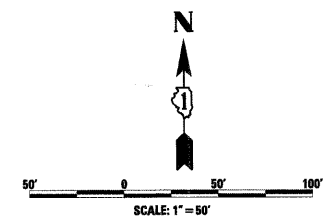
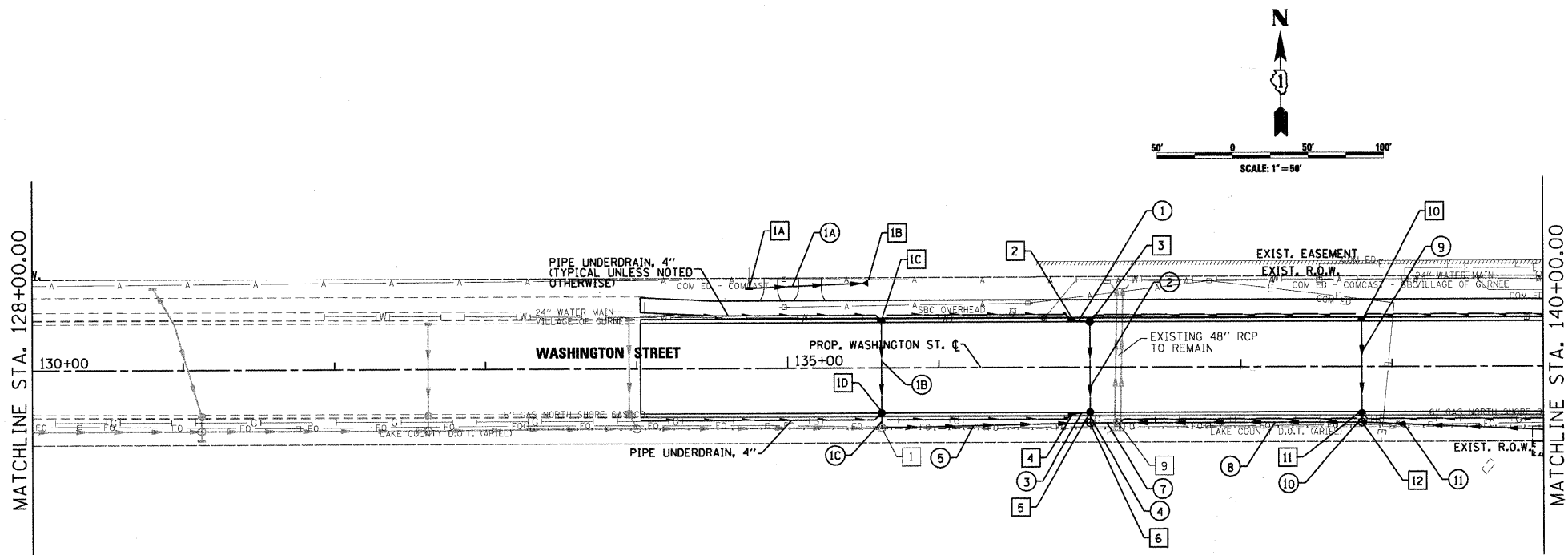


NOTES:

1. REFERENCE PROPOSED DRAINAGE PLAN SHEETS FOR DETAILS ASSOCIATED WITH PROPOSED DRAINAGE SYSTEM.
2. REFERENCE PROPOSED CROSS-SECTIONS FOR ADDITIONAL GRADING INFORMATION.
3. CONTRACTOR ACCESS TO CENTERPOINT PROPERTY SHALL BE LIMITED TO THE GRADING LIMIT DEPICTED ON THIS PLAN.

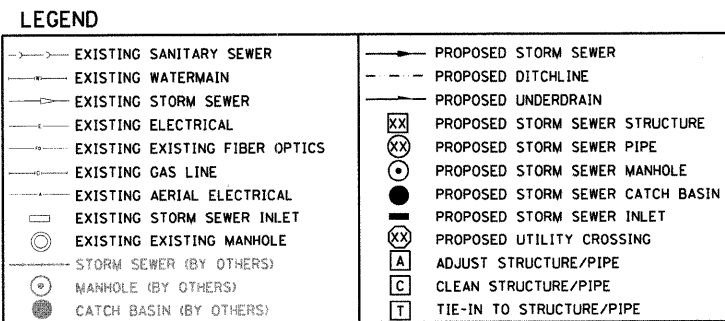
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CMT <small>© Copyright CMT, Inc. CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00063</small>	USER NAME = Steve Prange	DESIGNED - SJP	REVISED -	Lake County Division of Transportation	GRADING PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -		SCALE: N.T.S.	SHEET NO. 3 OF 3 SHEETS	STA. N/A	TO STA. N/A	1016	02-00110-12-WR	LAKE	206
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -	DATE - 05/29/09	REVISED -				CONTRACT NO. 63209				
							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

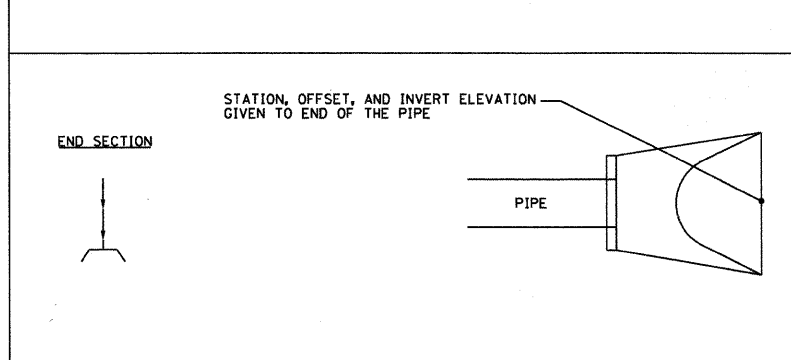
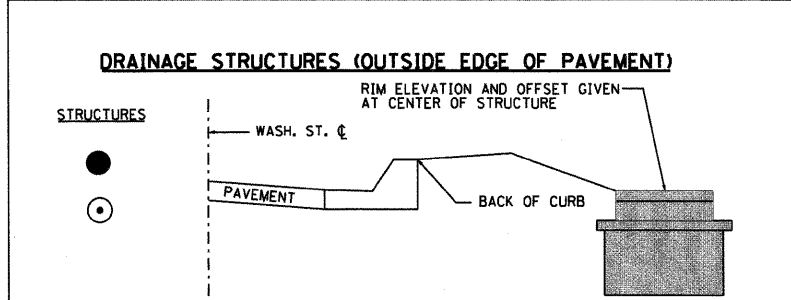
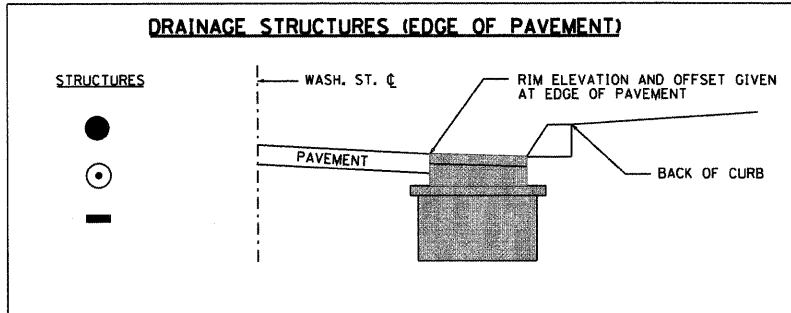


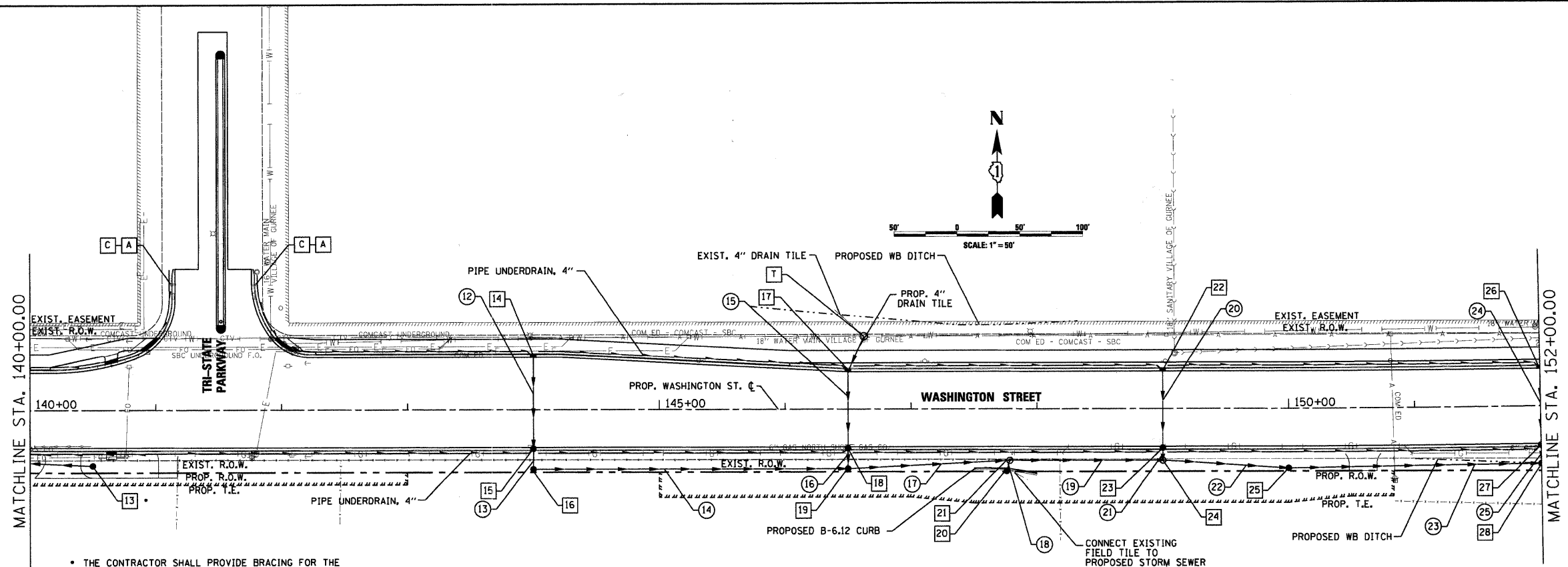
PROPOSED DRAINAGE STRUCTURE SCHEDULE												
STRUCTURE NO.	TYPE	STATION	OFFSET	RIM ELEV.	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)	FRAMES & GRATES	CONCRETE HEADWALL	HEADWALL GRATES (LBS)	REINF BARS (LBS)
IA	CB TY C, TY 8 FR & GR	134+76	53' LT	717.90			713.26		TY 8 FR & GR			
IB	PRC FLAR END SEC 12	135+50	56' LT				712.50					
IC	INLET TY A 24" Ø, TY 24 FR & GR	135+62	30' LT	714.80		711.38			TY 24 FR & GR			
ID	CB TY A 48" Ø, TY 24 FR & GR	135+62	30' RT	714.80	710.78	710.68			TY 24 FR & GR			
1	EXISTING 60" MH (BY OTHERS)	135+62	40' RT	713.75			708.12					
2	INLET TY A 24" Ø, TY 24 FR & GR	136+88	30' LT	713.35			708.57		TY 24 FR & GR			
3	CB TY A 48" Ø, TY 24 FR & GR	137+00	30' LT	713.34	**	708.37		708.47	TY 24 FR & GR			
4	INLET TY A 24" Ø, TY 24 FR & GR	136+88	30' RT	713.36			707.87		TY 24 FR & GR			
5	CB TY A 48" Ø, TY 24 FR & GR	137+00	30' RT	713.35	707.77	707.67		707.77	TY 24 FR & GR			
6	MH TY A 60" Ø, TY 1 FR & CL	137+00	37' RT	712.40	707.62		706.82	706.92	TY 1 FR & CL			
9	EXISTING 72" MH (BY OTHERS)	137+18	37' RT	712.70	706.69		707.50	706.70				
10	INLET TY A 24" Ø, TY 24 FR & GR	138+80	30' LT	715.93		710.72			TY 24 FR & GR			
11	CB TY A 48" Ø, TY 24 FR & GR	138+80	30' RT	715.93	710.12	710.02			TY 24 FR & GR			
12	MH TY A 48" Ø, TY 1 FR & CL	138+80	37' RT	716.25	709.97		709.97	709.87	TY 1 FR & CL			

PROPOSED DRAINAGE PIPE SCHEDULE							
PIPE NO.	STRUCTURE FROM	STRUCTURE TO	SIZE	LENGTH	SLOPE	TYPE	TRENCH BACKFILL (CU. YD.)
IA	IA	IB	12	76	1.00%	SS CL A, TY 2, 12"	10.1
IB	IC	ID	12	60	1.00%	SS CL A, TY 2, 12"	14.2
IC	ID	1	12	8	1.00%	SS CL A, TY 2, 12"	2.3
1	2	3	12	8	1.00%	SS CL A, TY 2, 12"	1.7
2	3	5	12	60	1.00%	SS CL A, TY 2, 12"	28.3
3	4	5	12	8	1.00%	SS CL A, TY 2, 12"	3.6
4	5	6	12	4	2.00%	SS CL A, TY 2, 12"	1.8
5	1	6	24	134	0.90%	SS CL A, TY 2, 24"	47.8
7	6	9	24	14	1.00%	SS CL A, TY 2, 24"	8.7
8	12	9	12	158	1.50%	SS CL A, TY 2, 12"	79.6
9	10	11	12	60	1.00%	SS CL A, TY 2, 12"	34.1
10	11	12	12	4	1.00%	SS CL A, TY 2, 12"	2.3
11	13	12	12	166	2.50%	SS CL A, TY 2, 12"	36.0



NOTES:
 1. ** SEE EROSION CONTROL SHEETS FOR INVERT AND PIPE ELEVATIONS FOR TEMPORARY DRAINAGE TIES INTO PROPOSED STRUCTURES.





• THE CONTRACTOR SHALL PROVIDE BRACING FOR THE TEMPORARY SIGNAL POLE DURING CONSTRUCTION OF PROPOSED DRAINAGE STRUCTURE NO. 13. THE COST ASSOCIATED WITH BRACING SHALL BE INCLUDED IN THE CONTRACT PRICE FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION".

PROPOSED DRAINAGE STRUCTURE SCHEDULE

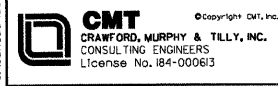
STRUCTURE NO.	TYPE	STATION	OFFSET	RIM ELEV.	INVERT (IN)	INVERT (S)	INVERT (E)	INVERT (W)	FRAMES & GRATES	CONCRETE HEADWALL	HEADWALL GRATES (LBS)	REINF BARS (LBS)
13	CB TY C, TY 8 FR & GR	140+50	44' RT	717.70				714.12	TY 8 FR & GR			
14	INLET TY A 24" Ø, TY 24 FR & GR	144+00	42' LT	715.72		710.57			TY 24 FR & GR			
15	CB TY A 48" Ø, TY 24 FR & GR	144+00	30' RT	715.97	709.85	709.75			TY 24 FR & GR			
16	CB TY A 48" Ø, TY 1 FR & GR	144+00	48' RT	713.19	709.63		709.53		TY 1 FR & GR			
17	INLET TY A 24" Ø, TY 24 FR & GR	146+50	30' LT	709.17	FIELD	704.43			TY 24 FR & GR			
18	CB TY A 48" Ø, TY 24 FR & GR	146+50	30' RT	709.18	703.83	703.73			TY 24 FR & GR			
19	CB TY A 48" Ø, TY 1 FR & GR	146+50	48' RT	710.00	703.61		703.21	704.61	TY 1 FR & GR			
20	CB TY A 48" Ø, TY 1 FR & GR	147+76	49.5' RT	707.47	700.18				TY 1 FR & GR			
21	CB TY A 60" Ø, TY 1 FR & CL	147+78	41' RT	707.48		700.09	699.69	700.09	TY 1 FR & CL			
22	INLET TY A 24" Ø, TY 24 FR & GR	149+00	30' LT	702.31		696.78			TY 24 FR & GR			
23	CB TY A 48" Ø, TY 24 FR & GR	149+00	30' RT	702.31	696.18	696.08			TY 24 FR & GR			
24	CB TY A 60" Ø, TY 1 FR & CL	149+00	41' RT	704.32	696.03		695.23	697.33	TY 1 FR & CL			
25	CB TY A 60" Ø, TY 1 FR & GR	150+00	48' RT	701.46			693.21	693.31	TY 1 FR & GR			
26	INLET TY A 24" Ø, TY 24 FR & GR	152+00	30' LT	695.59		690.87			TY 24 FR & GR			
27	CB TY A 48" Ø, TY 24 FR & GR	152+00	30' RT	695.59	690.27	690.17			TY 24 FR & GR			
28	CB TY A 60" Ø, TY 1 FR & GR	152+00	46' RT	694.20	690.07		688.87	689.27	TY 1 FR & GR			

PROPOSED DRAINAGE PIPE SCHEDULE

PIPE NO.	STRUCTURE FROM	STRUCTURE TO	SIZE	LENGTH	SLOPE	TYPE	TRENCH BACKFILL (CU. YD.)
12	14	15	12"	72'	1.00%	SS CL A, TY 2, 12"	37.4
13	15	16	12"	12'	1.00%	SS CL A, TY 2, 12"	2.3
14	16	19	12"	246'	2.00%	SS CL A, TY 2, 12"	0.0
15	17	18	12"	60'	1.00%	SS CL A, TY 2, 12"	26.4
16	18	19	12"	12'	1.00%	SS CL A, TY 2, 12"	2.7
17	19	21	18"	125'	2.50%	SS CL A, TY 2, 18"	0.0
18	20	21	18"	4'	1.50%	SS CL A, TY 2, 18"	0.0
19	21	24	24"	118'	2.00%	SS CL A, TY 2, 24"	0.0
20	22	23	12"	60'	1.00%	SS CL A, TY 2, 12"	33.1
21	23	24	12"	6'	1.00%	SS CL A, TY 2, 12"	3.5
22	24	25	24"	96'	2.00%	SS CL A, TY 2, 24"	0.0
23	25	28	24"	197'	2.00%	SS CL A, TY 2, 24"	20.0
24	26	27	12"	60'	1.00%	SS CL A, TY 2, 12"	25.4
25	27	28	12"	11'	1.00%	SS CL A, TY 2, 12"	2.7

NOTES: 1. "FIELD" NOTATION IN SCHEDULE REFERS TO EXISTING FIELD TILE CONNECTION TO PROPOSED DRAINAGE STRUCTURE. TIE-IN INVERT ELEVATION OF EXISTING FIELD TILE SHALL BE DETERMINED IN THE FIELD.

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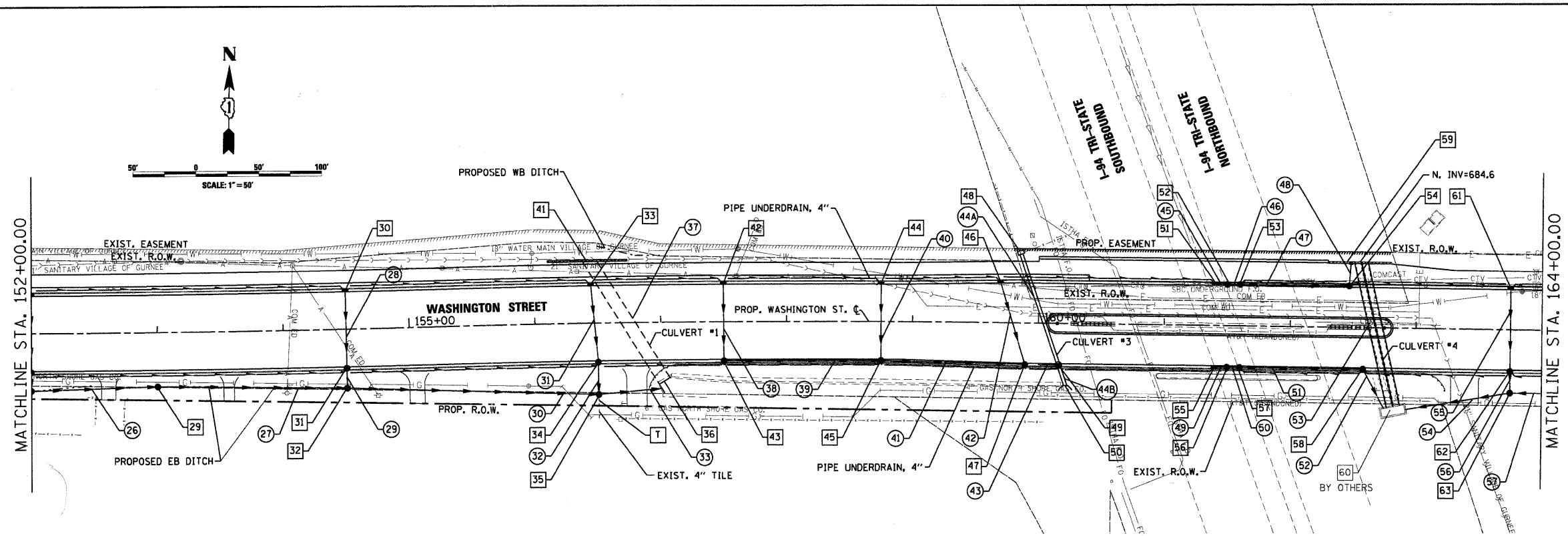
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PROPOSED DRAINAGE PLAN
 SCALE: 1"=50' SHEET NO. 2 OF 10 SHEETS STA. 140+00 TO STA. 152+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	70
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED DRAINAGE STRUCTURE SCHEDULE												
STRUCTURE NO.	TYPE	STATION	OFFSET	RIM ELEV. (WD)	INVERT (ND)	INVERT (S)	INVERT (E)	INVERT (W)	FRAMES & GRATES	CONCRETE HEADWALL	HEADWALL GRATES (LBS)	REIN. BARS (LBS)
29	CB TY A 60" Ø, TY I FR & GR	153+00	43' RT	693.50		687.29	688.39		TY I FR & GR			
30	INLET TY A 24" Ø, TY 24 FR & GR	154+50	30' LT	693.05		688.42			TY 24 FR & GR			
31	CB TY A 48" Ø, TY 24 FR & GR	154+50	30' RT	693.05	687.82	687.72			TY 24 FR & GR			
32	CB TY A 60" Ø, TY I FR & GR	154+50	47' RT	692.50	687.61	686.31	686.41		TY I FR & GR			
33	INLET TY A 24" Ø, TY 24 FR & GR	156+45	30' LT	692.08	**	687.35			TY 24 FR & GR			
34	CB TY A 48" Ø, TY 24 FR & GR	156+50	30' RT	692.05	686.75	686.65			TY 24 FR & GR			
35	CB TY A 60" Ø, TY I FR & GR	156+50	57' RT	690.08	686.43	FIELD	685.23	685.33	TY I FR & GR			
36	SOUTH HEADWALL FOR CULVERT #1	157+00	52.7' RT	684.99		685.00						
41	NORTH HEADWALL FOR CULVERT #1	156+45	49' LT			685.30						
42	INLET TY A 24" Ø, TY 24 FR & GR	157+50	30' LT	691.55		688.14			TY 24 FR & GR			
43	CB TY A 48" Ø, TY 24 FR & GR	157+50	30' RT	691.55	687.54	687.44			TY 24 FR & GR			
44	INLET TY A 24" Ø, TY 24 FR & GR	158+75	30' LT	690.93		687.44			TY 24 FR & GR			
45	CB TY A 48" Ø, TY 24 FR & GR	158+75	30' RT	690.93	686.84	686.44	686.84		TY 24 FR & GR			
46	INLET TY A 24" Ø, TY 24 FR & GR	159+70	32' LT	690.36	**	686.88			TY 24 FR & GR			
47	CB TY A 60" Ø, TY 24 FR & GR	159+90	32' RT	690.26	686.24	685.44	685.84		TY 24 FR & GR			
48	CB TY B, TY 7 FR & GR	159+85	56' LT	689.86		686.07	**		TY 7 FR & GR			
49	MH TY A 60" Ø, TY I FR & CL	160+16	32' RT	690.18	685.11	685.01			TY I FR & CL			
50	SOUTH HEADWALL FOR CULVERT #3	160+20	49' RT			684.83						
51	INLET TY A 24" Ø, TY 24 FR & GR	161+40	32' LT	689.84		686.58			TY 24 FR & GR			
52	CB TY A 48" Ø, TY 24 FR & GR	161+50	32' LT	689.83		686.45	686.55		TY 24 FR & GR			
53	CB TY A 48" Ø, TY 24 FR & GR	161+60	32' LT	689.84		686.32	686.42		TY 24 FR & GR			
54	CB TY A 48" Ø, TY 24 FR & GR	162+47	32' LT	690.26	685.55	685.95			TY 24 FR & GR			
55	INLET TY A 24" Ø, TY 24 FR & GR	161+40	32' RT	689.84		686.35			TY 24 FR & GR			
56	CB TY A 48" Ø, TY 24 FR & GR	161+50	32' RT	689.83		686.22	686.32		TY 24 FR & GR			
57	CB TY A 48" Ø, TY 24 FR & GR	161+60	32' RT	689.84		686.09	686.19		TY 24 FR & GR			
58	CB TY A 48" Ø, TY 24 FR & GR	162+58	32' RT	690.28		685.27	685.67		TY 24 FR & GR			
* 59	RETAINING WALL	162+48	52' LT			685.50						
* 60	SPECIAL STRUCTURE (BY OTHERS)	162+74	62.8' RT		685.25	683.39	685.00					
61	INLET TY A 24" Ø, TY 24 FR & GR	163+75	32' LT	691.89		687.15			TY 24 FR & GR			
62	CB TY A 48" Ø, TY 24 FR & GR	163+75	32' RT	691.89	686.51	686.41			TY 24 FR & GR			
63	CB TY A 60" Ø, TY I FR & GR	163+75	50' RT	690.46	686.26	685.85	685.46		TY I FR & GR			

PROPOSED DRAINAGE PIPE SCHEDULE								
PIPE NO.	STRUCTURE	FROM	TO	SIZE	LENGTH	SLOPE	TYPE	TRENCH BACKFILL (CU. YD.)
26	29	29	30	30	96	0.50%	SS CL A, TY 2, 30"	11.6
27	29	32	30	147	0.60%	SS CL A, TY 2, 30"	11.2	
28	30	31	12	60	1.00%	SS CL A, TY 2, 12"	24.4	
29	31	32	12	11	1.00%	SS CL A, TY 2, 12"	2.4	
30	32	35	30	196	0.50%	SS CL A, TY 2, 30"	15.3	
31	33	34	12	60	1.00%	SS CL A, TY 2, 12"	25.4	
32	34	35	12	22	1.00%	SS CL A, TY 2, 12"	2.8	
33	35	36	30	45	0.50%	SS CL A, TY 2, 30"	15.5	
37	41	36	10' X 4.5' BOX	112	0.28%	10' X 4.5' RC BOX	28.0	
38	42	43	12	60	1.00%	SS CL A, TY 1, 12"	11.7	
39	43	45	12	120	0.50%	SS CL A, TY 1, 12"	23.3	
40	44	45	12	60	1.00%	SS CL A, TY 1, 12"	11.0	
41	45	47	18	120	0.50%	SS CL A, TY 1, 18"	26.2	
42	46	47	12	64	1.00%	SS CL A, TY 1, 12"	11.8	
43	47	49	24	15	0.20%	SS CL A, TY 1, 24"	6.0	
44A	48	49	30	92	1.04%	PIPE CULVERT CL A, TY 2, 30"	14.3	
44B	49	50	30	18	1.00%	PIPE CULVERT CL A, TY 2, 30"	0.3	
45	51	52	12	7	0.45%	SS CL A, TY 1, 12"	0.4	
46	52	53	12	7	0.45%	SS CL A, TY 1, 12"	0.5	
47	53	54	12	83	0.45%	SS CL A, TY 1, 12"	7.4	
48	54	59	18	17	0.25%	SS CL A, TY 2, 18"	8.5	
49	55	56	12	7	0.45%	SS CL A, TY 1, 12"	0.7	
50	56	57	12	7	0.45%	SS CL A, TY 1, 12"	0.8	
51	57	58	12	94	0.45%	SS CL A, TY 1, 12"	14.3	
52	58	60	18	10	0.25%	SS CL A, TY 2, 18"	5.7	
53	59	60	(2) 53" X 34"	117	0.83%		195.4	
54	63	60	24	97	0.50%	SS CL A, TY 2, 24"	17.2	
55	61	62	12	64	1.00%	SS CL A, TY 2, 12"	28.1	
56	62	63	12	15	1.00%	SS CL A, TY 2, 12"	3.2	
57	66	63	18	151	2.00%	SS CL A, TY 2, 18"	0.0	

- NOTES:
1. THE STATION AND OFFSET FOR STRUCTURE NUMBER 36 ARE GIVEN AT THE INVERT OF PIPE NUMBER 33. THE STATION AND OFFSET FOR THE SOUTH INVERT OF CULVERT NUMBER 1 IS 157+03, 46.1' RT
 2. THE STATION AND OFFSET FOR STRUCTURE NUMBER 41 ARE GIVEN AT THE NORTH INVERT OF CULVERT NUMBER 1
 3. THE STATION AND OFFSET FOR STRUCTURE NUMBER 59 ARE GIVEN AT THE INVERT OF PIPE NUMBER 48
 4. THE STATION AND OFFSET FOR STRUCTURE NUMBER 60 ARE GIVEN AT THE SOUTH INVERT OF PIPE NUMBER 52
 5. "FIELD" NOTATION IN SCHEDULE REFERS TO EXISTING FIELD TILE CONNECTION TO PROPOSED DRAINAGE STRUCTURE. TIE-IN INVERT ELEVATION OF EXISTING FIELD TILE SHALL BE DETERMINED IN THE FIELD.
 6. ** SEE EROSION CONTROL SHEETS FOR INVERT AND PIPE ELEVATIONS FOR TEMPORARY DRAINAGE TIES INTO PROPOSED STRUCTURES.

PIPE CULVERTS, TY 2, REINFORCED CONCRETE-ELLIPTICAL, EQUIVALENT ROUND-SIZE 42"

RETAINING WALL STRUCTURE

STATION	OFFSET	RIM ELEV.	INVERT (ND)	INVERT (S)	INVERT (E)	INVERT (W)
162+53	52' LT			684.60		
162+59	52' LT			684.60		

EXISTING DRAINAGE JUNCTION CHAMBER STRUCTURE

STATION	OFFSET	RIM ELEV.	INVERT (ND)	INVERT (S)	INVERT (E)	INVERT (W)
162+93	64' RT			683.60		685.00
162+75	62' RT			683.60		
162+85	61' RT			683.60		

NOTE: OFFSETS AND INVERTS FOR TWIN 42" ELLIPTICAL PIPES ARE GIVEN AT PROPOSED C OF EACH 42" PIPE.



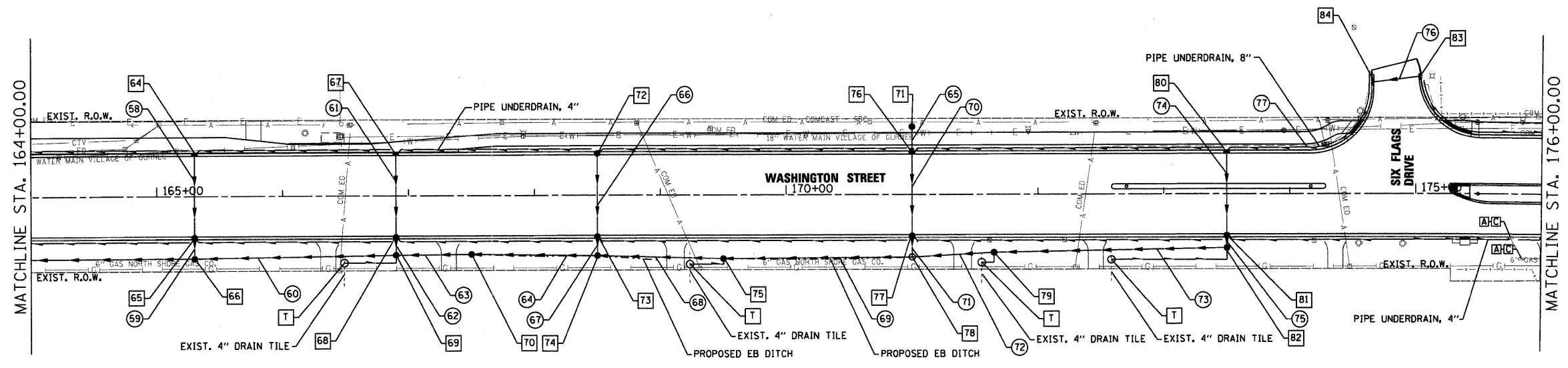
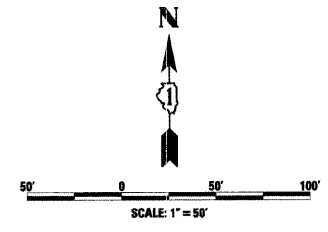
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 DATE - 07/15/09

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PROPOSED DRAINAGE PLAN
 SCALE: 1"=50' SHEET NO. 3 OF 10 SHEETS STA. 152+00 TO STA. 164+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	71
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	TYPE	STATION	OFFSET	RIM ELEV.	INVERT (IN)	INVERT (S)	INVERT (E)	INVERT (W)	FRAMES & GRATES	CONCRETE HEADWALL	HEADWALL GRATES (LBS)	REINF BARS (LBS)
64	INLET TY A 24" Ø, TY 24 FR & GR	165+30	32" LT	695.97	690.17				TY 24 FR & GR			
65	CB TY A 48" Ø, TY 24 FR & GR	165+30	32" RT	695.97	689.53	689.43			TY 24 FR & GR			
66	CB TY A 48" Ø, TY 1 FR & GR	165+30	50" RT	694.90	689.28	690.98	688.88		TY 1 FR & GR			
67	INLET TY A 24" Ø, TY 24 FR & GR	166+90	32" LT	702.09	695.68				TY 24 FR & GR			
68	CB TY A 48" Ø, TY 24 FR & GR	166+90	32" RT	702.09	695.04	694.94			TY 24 FR & GR			
69	CB TY A 48" Ø, TY 1 FR & GR	166+90	47" RT	700.87	694.81	FIELD	696.51	694.41	TY 1 FR & GR			
70	CB TY A 48" Ø, TY 1 FR & GR	167+50	47" RT	703.29		699.73	697.63		TY 1 FR & GR			
71	CB TY C, TY B FR & GR	171+00	58" LT	713.27	709.78				TY B FR & GR			
72	CB TY A 48" Ø, TY 24 FR & GR	168+50	32" LT	708.14	702.93	703.03			TY 24 FR & GR			
73	CB TY A 48" Ø, TY 24 FR & GR	168+50	32" RT	708.14	702.29	702.19			TY 24 FR & GR			
74	CB TY A 48" Ø, TY 1 FR & GR	168+50	48" RT	706.27	702.05	702.05	701.65		TY 1 FR & GR			
75	CB TY A 48" Ø, TY 1 FR & GR	169+50	51" RT	709.00		FIELD	705.03	704.93	TY 1 FR & GR			
76	INLET TY A 24" Ø, TY 24 FR & GR	171+00	32" LT	714.66	709.57				TY 24 FR & GR			
77	CB TY A 48" Ø, TY 24 FR & GR	171+00	32" RT	714.66	708.93	708.83			TY 24 FR & GR			
78	MH TY A 48" Ø, TY 1 FR & CL	171+00	50" RT	712.72	708.68	708.78	708.68		TY 1 FR & CL			
79	CB TY A 48" Ø, TY 1 FR & GR	171+65	46" RT	715.50		FIELD	709.81	709.71	TY 1 FR & GR			
80	INLET TY A 24" Ø, TY 24 FR & GR	173+50	32" LT	718.66	713.45	713.71			TY 24 FR & GR			
81	CB TY A 48" Ø, TY 24 FR & GR	173+50	32" RT	718.42	712.81	712.71			TY 24 FR & GR			
82	CB TY A 48" Ø, TY 1 FR & GR	173+50	43" RT	719.32	712.64	FIELD		712.54	TY 1 FR & GR			
83	INLET TY A 24" Ø, TY 24 FR & GR	1001+10	18" RT	718.09			715.37		TY 24 FR & GR			
84	INLET TY A 24" Ø, TY 24 FR & GR	1001+10	18" LT	718.30	715.14	715.19			TY 24 FR & GR			

PROPOSED DRAINAGE PIPE SCHEDULE

PIPE NO.	STRUCTURE FROM	STRUCTURE TO	SIZE	LENGTH	SLOPE	TYPE	TRENCH BACKFILL (CU. YD.)
58	64	65	12"	64	1.00%	SS CL A, TY 2, 12"	40.5
59	65	66	12"	15	1.00%	SS CL A, TY 2, 12"	4.3
60	69	66	18"	156	2.20%	SS CL A, TY 2, 18"	14.4
61	67	68	12"	64	1.00%	SS CL A, TY 2, 12"	46.6
62	68	69	12"	13	1.00%	SS CL A, TY 2, 12"	4.8
63	70	69	18"	56	2.00%	SS CL A, TY 2, 18"	13.6
64	74	70	18"	96	2.00%	SS CL A, TY 2, 12"	0.0
65	71	76	12"	42	0.50%	SS CL A, TY 2, 12"	0.0
66	72	73	12"	64	1.00%	SS CL A, TY 2, 12"	13.1
67	73	74	12"	14	1.00%	SS CL A, TY 2, 12"	2.4
68	75	74	12"	96	3.00%	SS CL A, TY 2, 12"	12.0
69	78	75	12"	146	2.50%	SS CL A, TY 2, 12"	0.0
70	76	77	12"	64	1.00%	SS CL A, TY 2, 12"	12.4
71	77	78	12"	15	1.00%	SS CL A, TY 2, 12"	2.3
72	79	78	12"	62	1.50%	SS CL A, TY 2, 12"	13.1
73	82	79	12"	182	1.50%	SS CL A, TY 2, 12"	12.2
74	80	81	12"	64	1.00%	SS CL A, TY 2, 12"	13.1
75	81	82	12"	6	1.00%	SS CL A, TY 2, 12"	2.6
76	83	84	12"	36	0.50%	SS CL A, TY 1, 12"	0.0
77	84	80	8"	143	1.00%	8" PIPE UNDERDRAIN	0.0

NOTES: 1. "FIELD" NOTATION IN SCHEDULE REFERS TO EXISTING FIELD TILE CONNECTION TO PROPOSED DRAINAGE STRUCTURE. TIE-IN INVERT ELEVATION OF EXISTING FIELD TILE SHALL BE DETERMINED IN THE FIELD.

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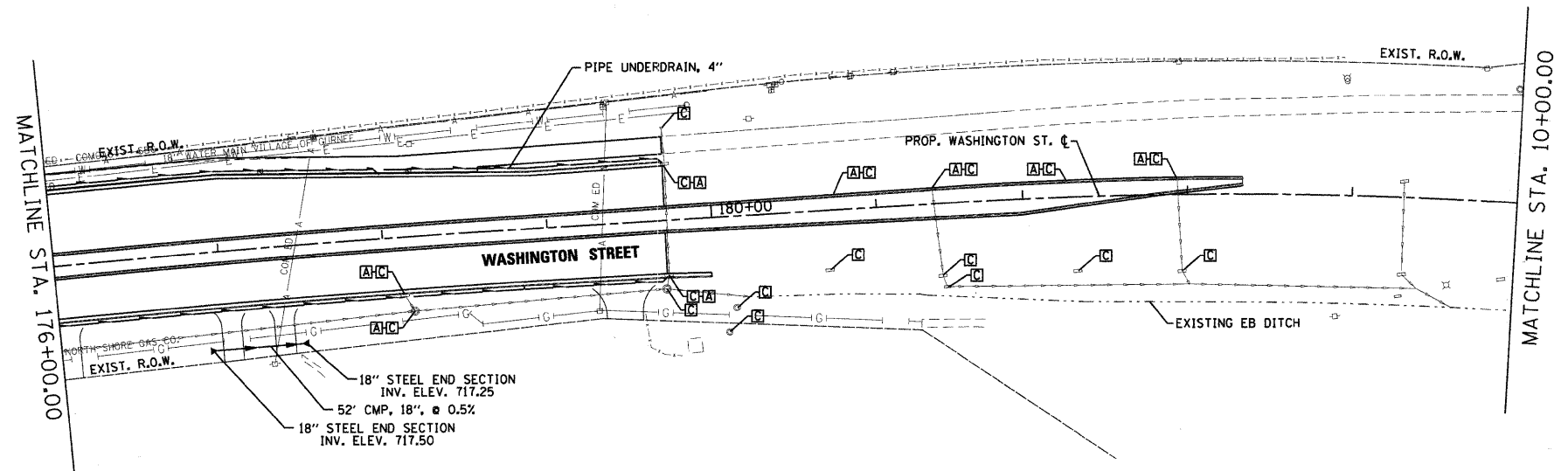
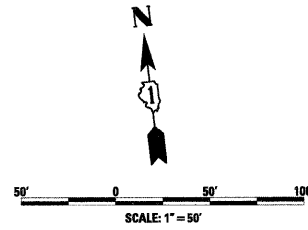


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PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -



PROPOSED DRAINAGE PLAN		
SCALE: 1"=50'	SHEET NO. 4 OF 10 SHEETS	STA. 164+00 TO STA. 176+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	72
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	



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PROPOSED DRAINAGE PLAN

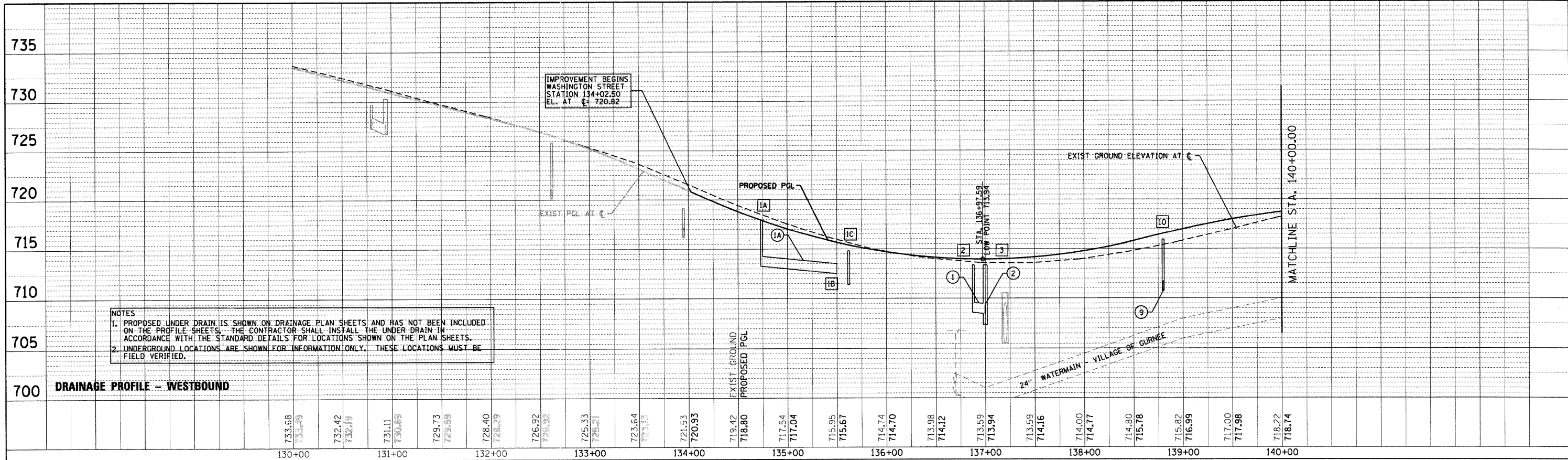
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	

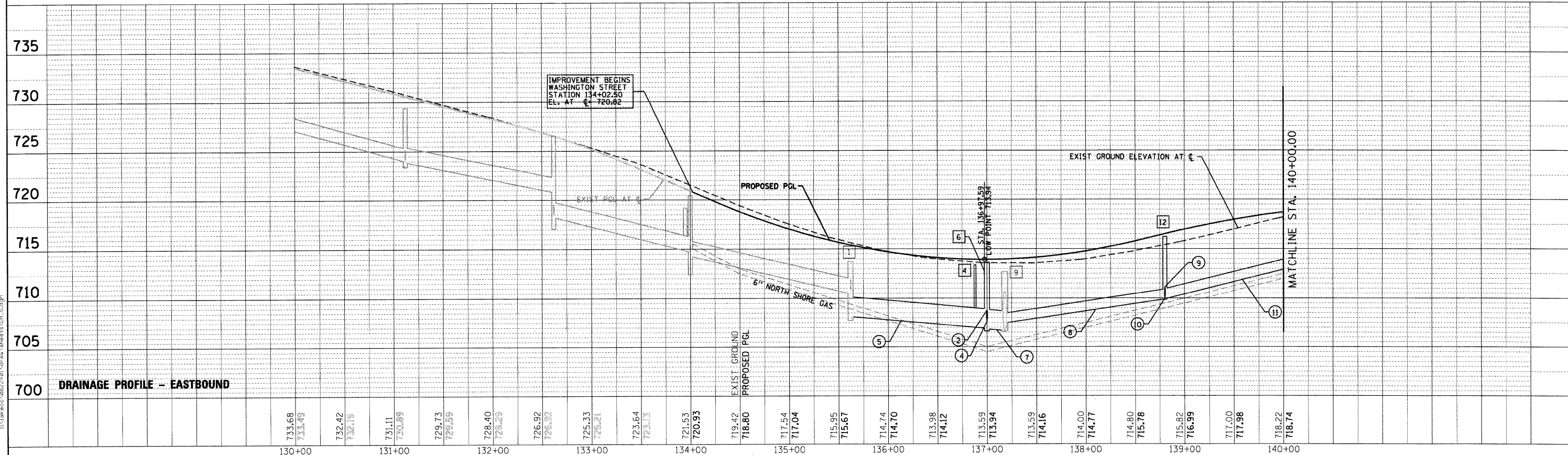
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NOTE BOOK	
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GRADES	CHECKED
STRUCTURE	NOTATIONS

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NOTES
 1. PROPOSED UNDER DRAIN IS SHOWN ON DRAINAGE PLAN SHEETS AND HAS NOT BEEN INCLUDED ON THE PROFILE SHEETS. THE CONTRACTOR SHALL INSTALL THE UNDER DRAIN IN ACCORDANCE WITH THE STANDARD DETAILS FOR LOCATIONS SHOWN ON THE PLAN SHEETS.
 2. UNDERGROUND LOCATIONS ARE SHOWN FOR INFORMATION ONLY. THESE LOCATIONS MUST BE FIELD VERIFIED.



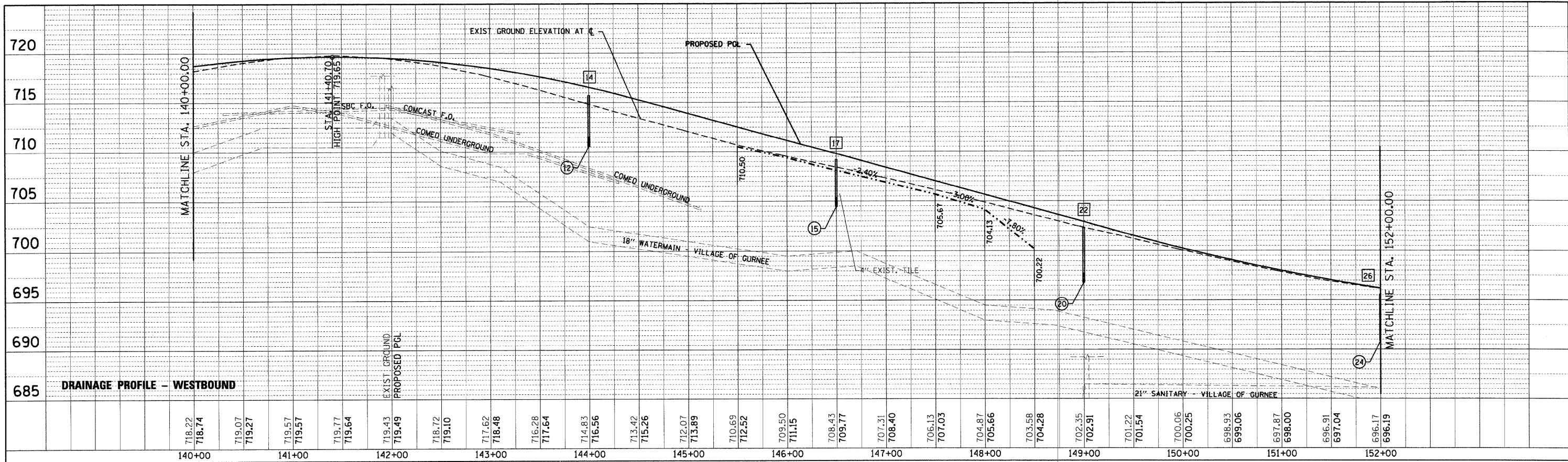
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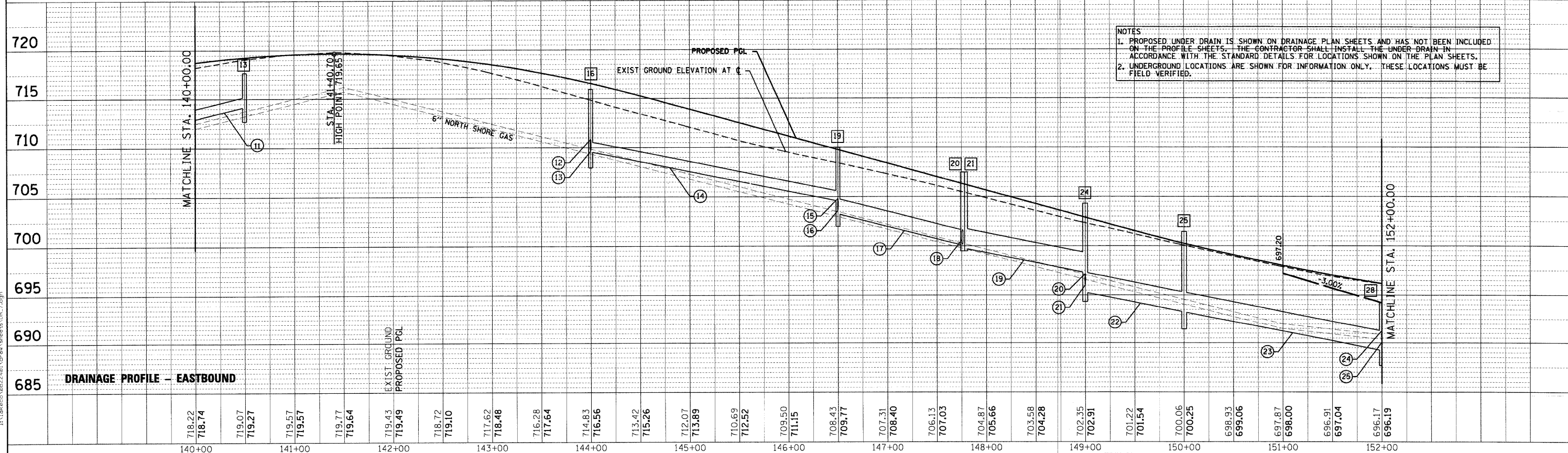
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SCALE: 1"=50'	SHEET NO. 6 OF 10 SHEETS STA. 130+00 TO STA. 140+00

F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 74
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____
 DATE _____



PROFILE
 SURVEYED _____
 GRADES CHECKED _____
 B.M. NOTED _____
 STRUCTURE NOTATION OK
 NO. _____
 DATE _____



NOTES
 1. PROPOSED UNDER DRAIN IS SHOWN ON DRAINAGE PLAN SHEETS AND HAS NOT BEEN INCLUDED ON THE PROFILE SHEETS. THE CONTRACTOR SHALL INSTALL THE UNDER DRAIN IN ACCORDANCE WITH THE STANDARD DETAILS FOR LOCATIONS SHOWN ON THE PLAN SHEETS.
 2. UNDERGROUND LOCATIONS ARE SHOWN FOR INFORMATION ONLY. THESE LOCATIONS MUST BE FIELD VERIFIED.

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 DRAWN - SJP
 CHECKED - KDN
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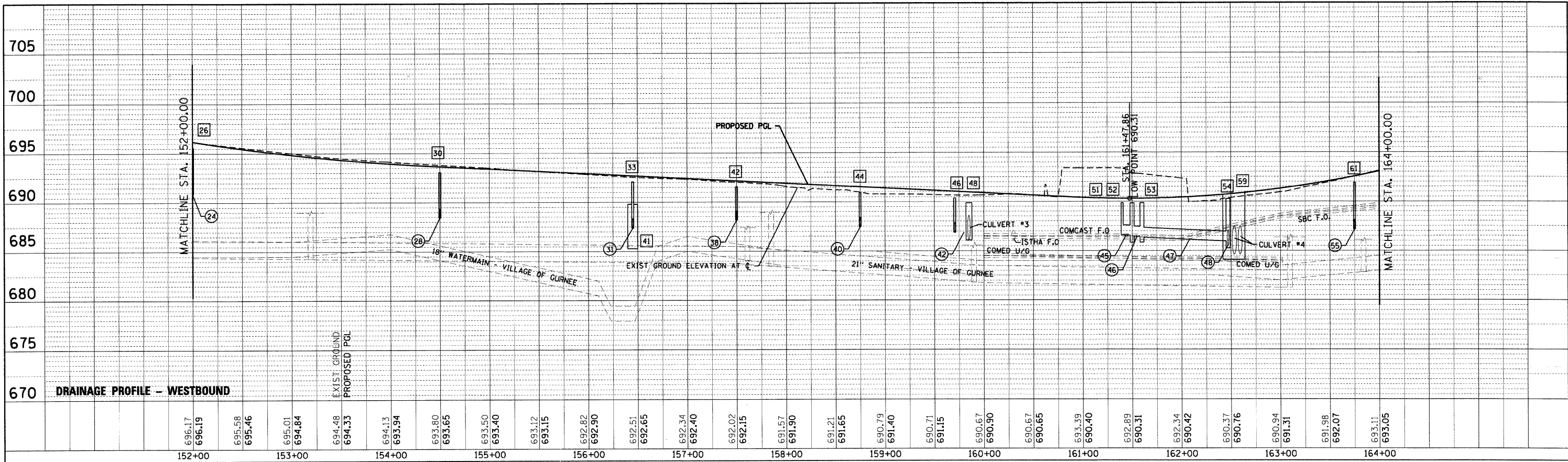


PROPOSED DRAINAGE PROFILE

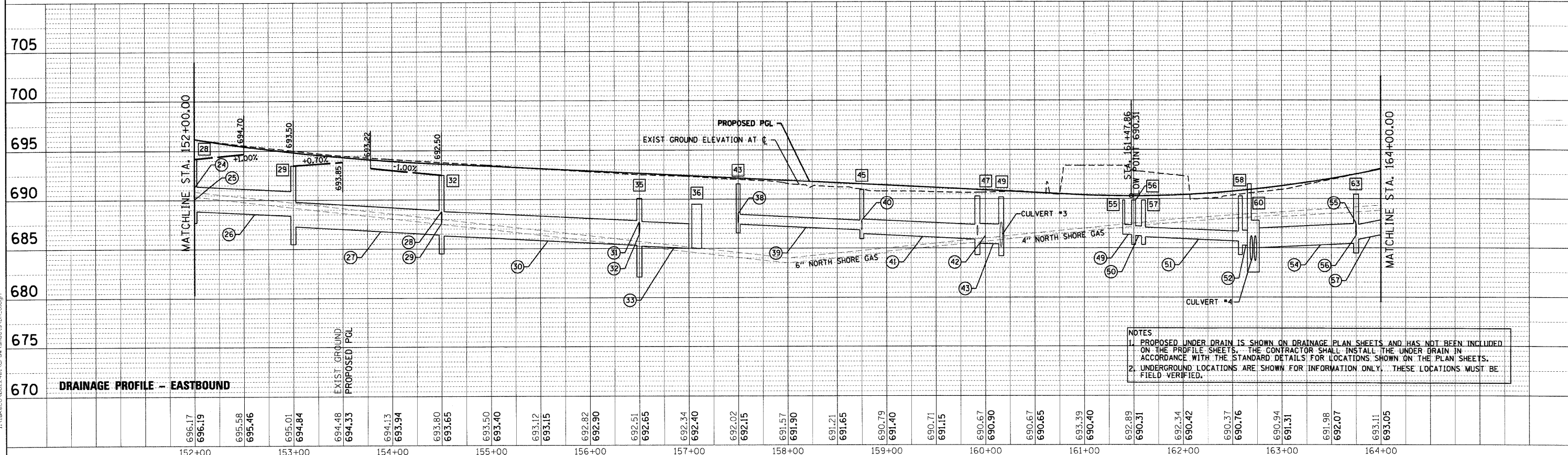
SCALE: 1"=50' SHEET NO. 7 OF 10 SHEETS STA. 140+00 TO STA. 152+00

F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 75
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	REVISED	BY	DATE
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	ALIGNMENT CHECKED		
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PROFILE	REVISED	BY	DATE
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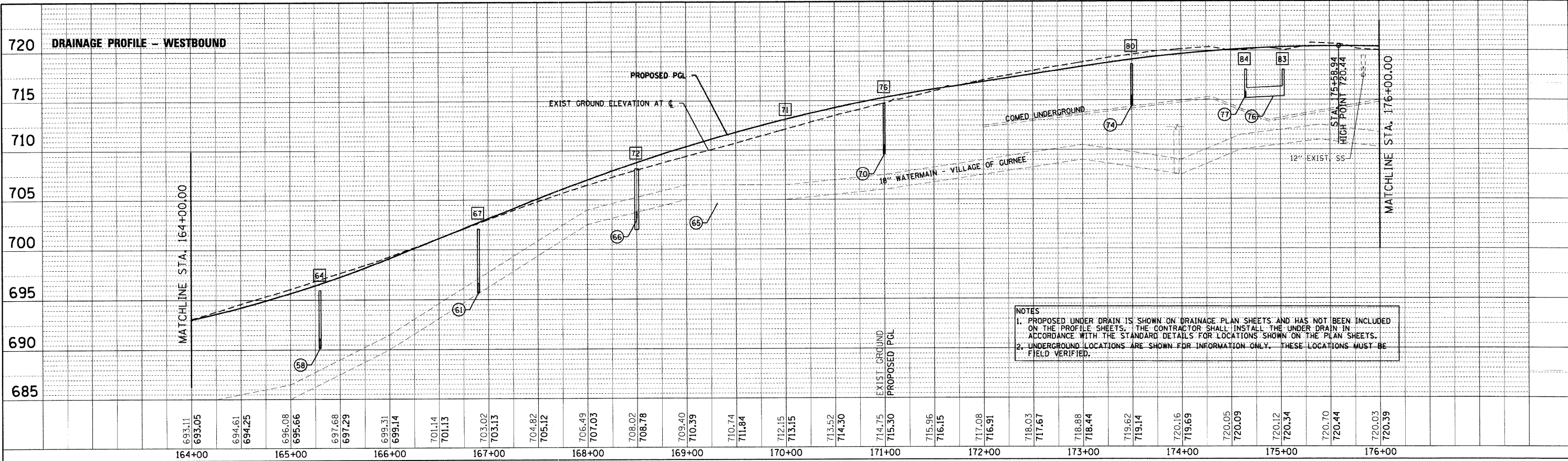


NOTES
 1. PROPOSED UNDER DRAIN IS SHOWN ON DRAINAGE PLAN SHEETS AND HAS NOT BEEN INCLUDED ON THE PROFILE SHEETS. THE CONTRACTOR SHALL INSTALL THE UNDER DRAIN IN ACCORDANCE WITH THE STANDARD DETAILS FOR LOCATIONS SHOWN ON THE PLAN SHEETS.
 2. UNDERGROUND LOCATIONS ARE SHOWN FOR INFORMATION ONLY. THESE LOCATIONS MUST BE FIELD VERIFIED.

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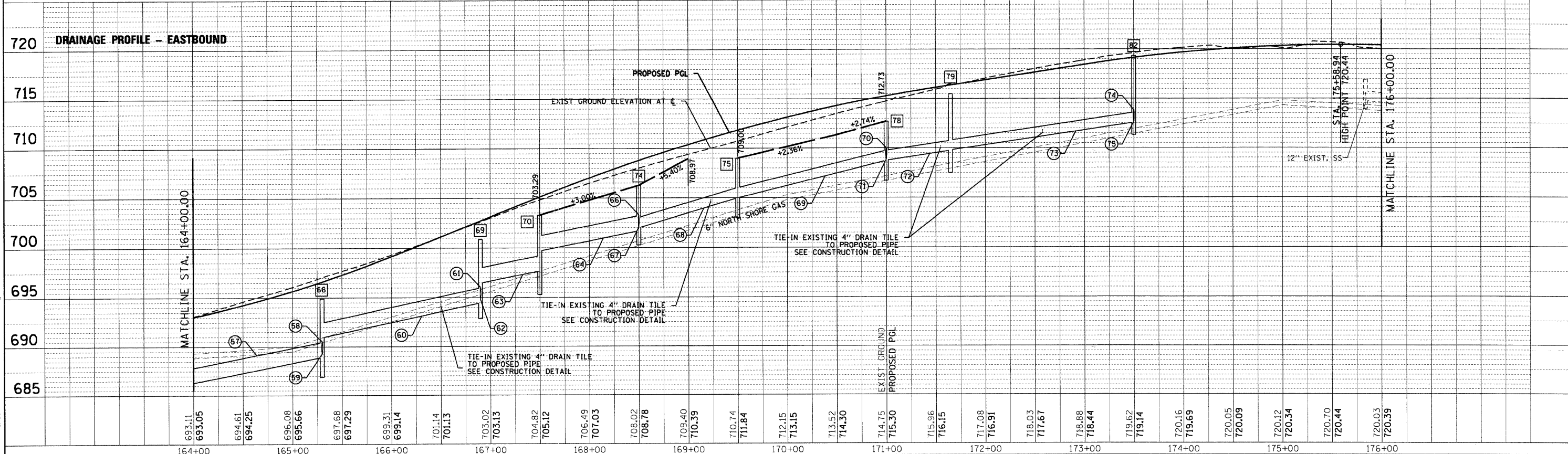
CMT CRAWFORD, MURPHY & TULLY, INC. CONSULTING ENGINEERS License No. 184-00663	USER NAME = Steve Prange	DESIGNED - SJP	REVISED -	Lake County Division of Transportation	PROPOSED DRAINAGE PROFILE SCALE: 1"=50' SHEET NO. 8 OF 10 SHEETS STA. 152+00 TO STA. 164+00		F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 76
	PLOT SCALE = 50.0000' / IN.	CHECKED - KDN	REVISED -				CONTRACT NO. 63209				
	PLOT DATE = 05/29/09	DATE - 05/29/09	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	REVIEWED	BY	DATE
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NOTES
 1. PROPOSED UNDER DRAIN IS SHOWN ON DRAINAGE PLAN SHEETS AND HAS NOT BEEN INCLUDED ON THE PROFILE SHEETS. THE CONTRACTOR SHALL INSTALL THE UNDER DRAIN IN ACCORDANCE WITH THE STANDARD DETAILS FOR LOCATIONS SHOWN ON THE PLAN SHEETS.
 2. UNDERGROUND LOCATIONS ARE SHOWN FOR INFORMATION ONLY. THESE LOCATIONS MUST BE FIELD VERIFIED.

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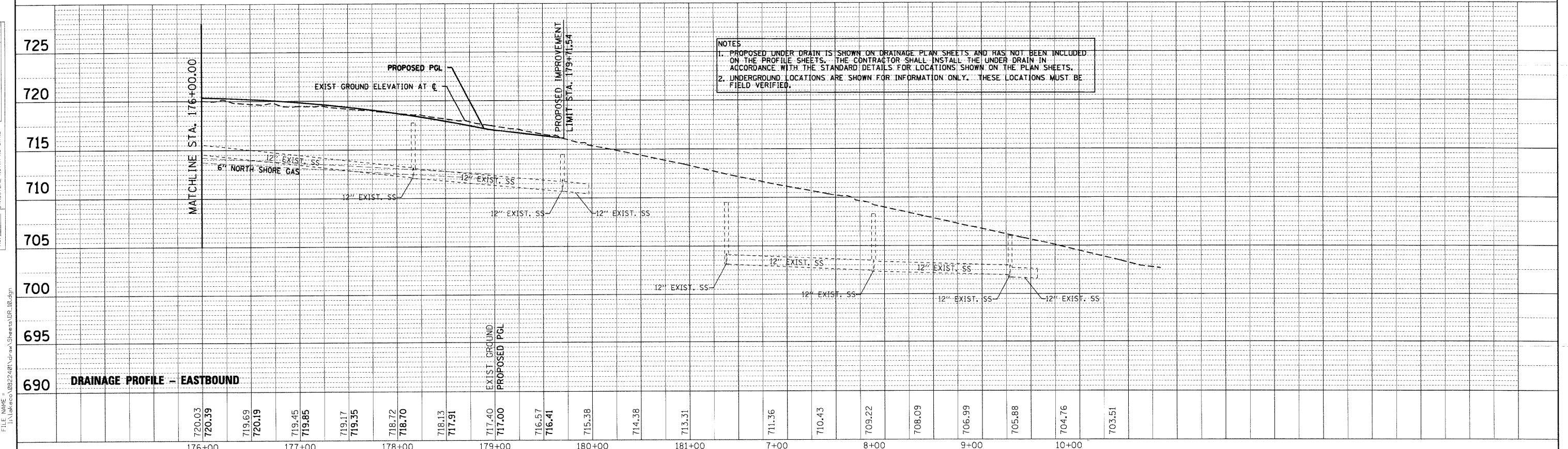
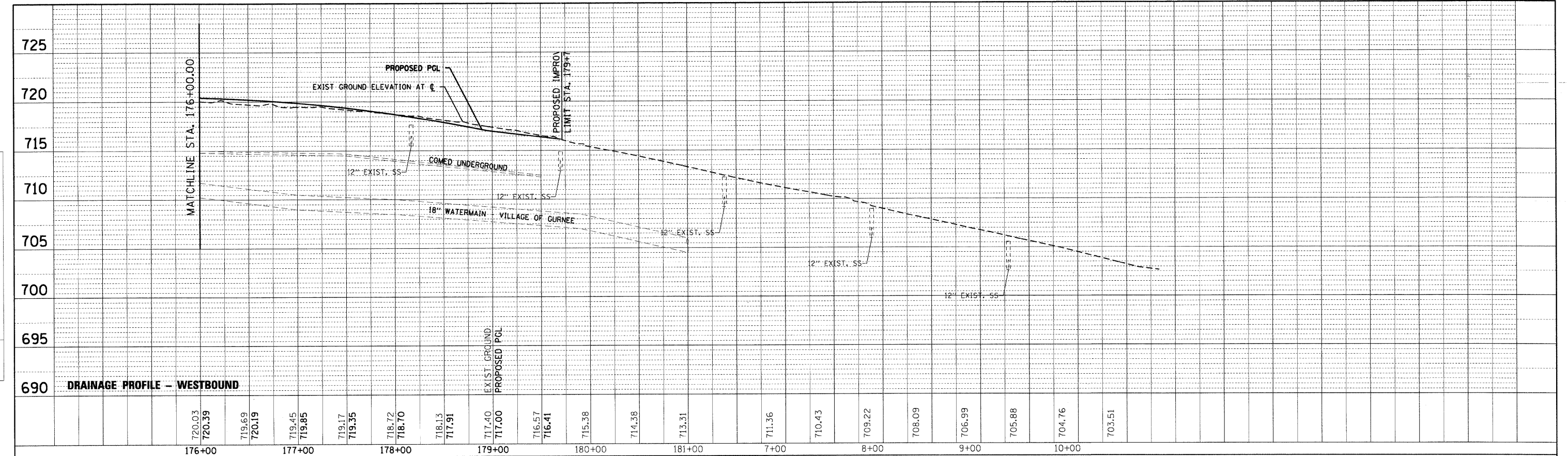


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CMT CRANFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 04-000613	USER NAME = Steve Prange DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	Lake County Division of Transportation	PROPOSED DRAINAGE PROFILE		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 77 CONTRACT NO. 63209
	PLOT SCALE = 50.0000' / IN. PLOT DATE = 05/29/09	SCALE: 1"=50' SHEET NO. 9 OF 10 SHEETS STA. 164+00 TO STA. 176+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

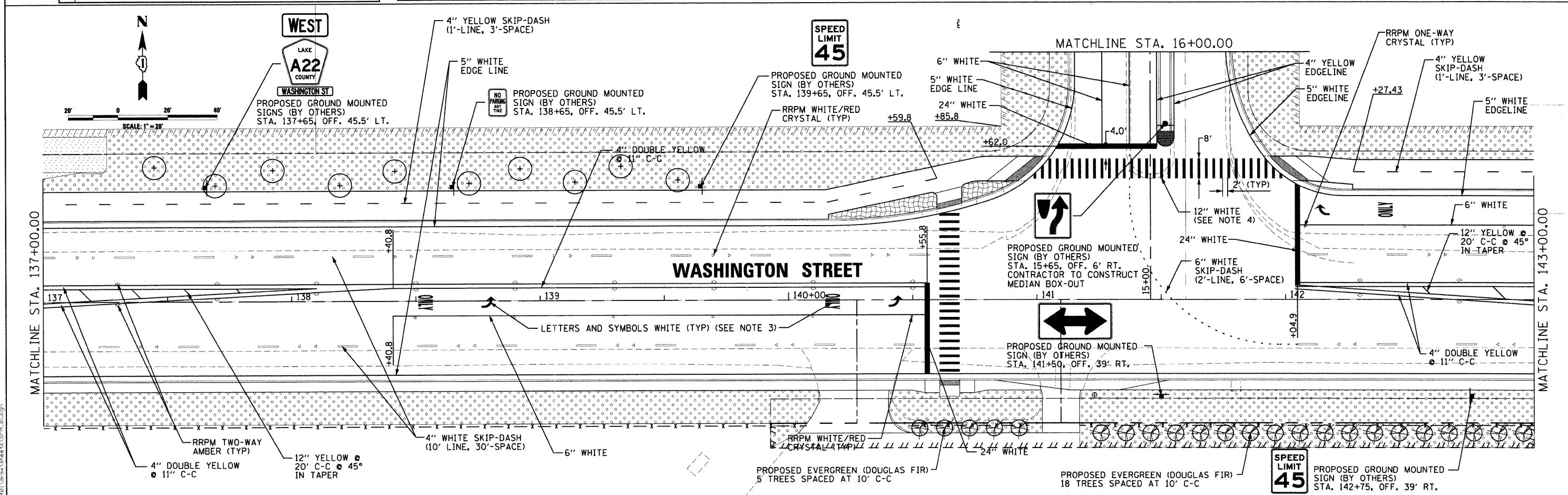
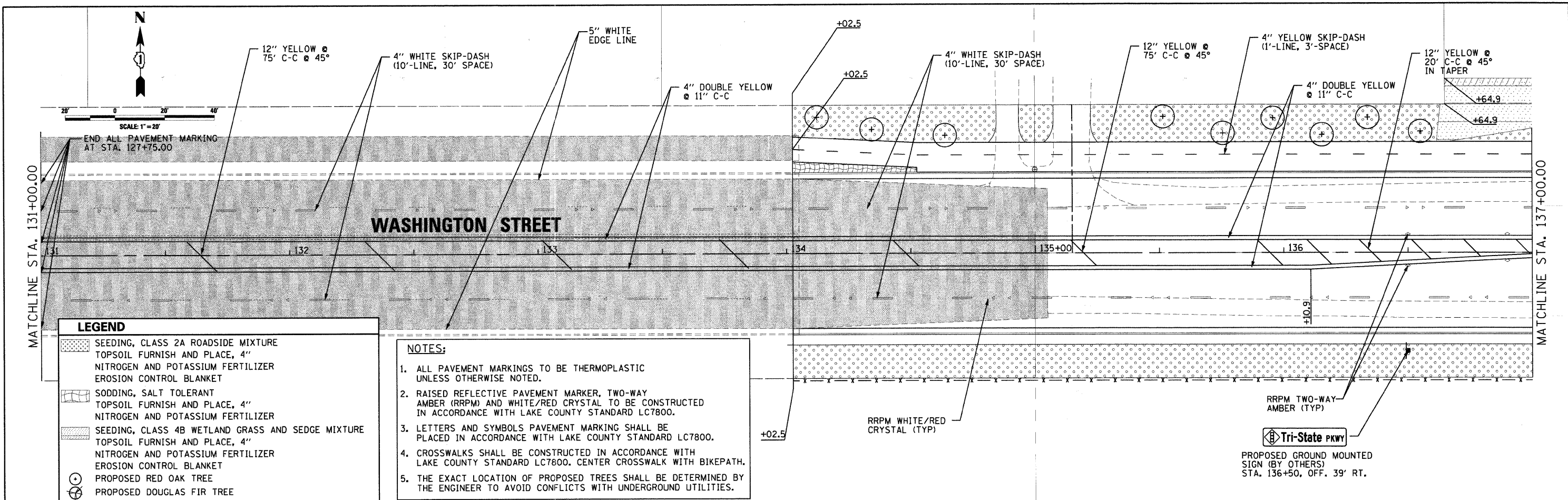
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NOTES
 1. PROPOSED UNDER DRAIN IS SHOWN ON DRAINAGE PLAN SHEETS AND HAS NOT BEEN INCLUDED ON THE PROFILE SHEETS. THE CONTRACTOR SHALL INSTALL THE UNDER DRAIN IN ACCORDANCE WITH THE STANDARD DETAILS FOR LOCATIONS SHOWN ON THE PLAN SHEETS.
 2. UNDERGROUND LOCATIONS ARE SHOWN FOR INFORMATION ONLY. THESE LOCATIONS MUST BE FIELD VERIFIED.

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Steve Prange DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	LakeCounty Division of Transportation	PROPOSED DRAINAGE PROFILE SCALE: 1"=50' SHEET NO. 10 OF 10 SHEETS STA. 176+00 TO STA. 10+00		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 78 CONTRACT NO. 63209
	PLOT SCALE = 50.0000' / IN. PLOT DATE = 05/29/09				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



FILE NAME: I:\Lakeco\0822-01\Drawn\Files\SPM_01.dwg
CMT
 CRAWFORD, MURPHY & TULLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / 1" IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -

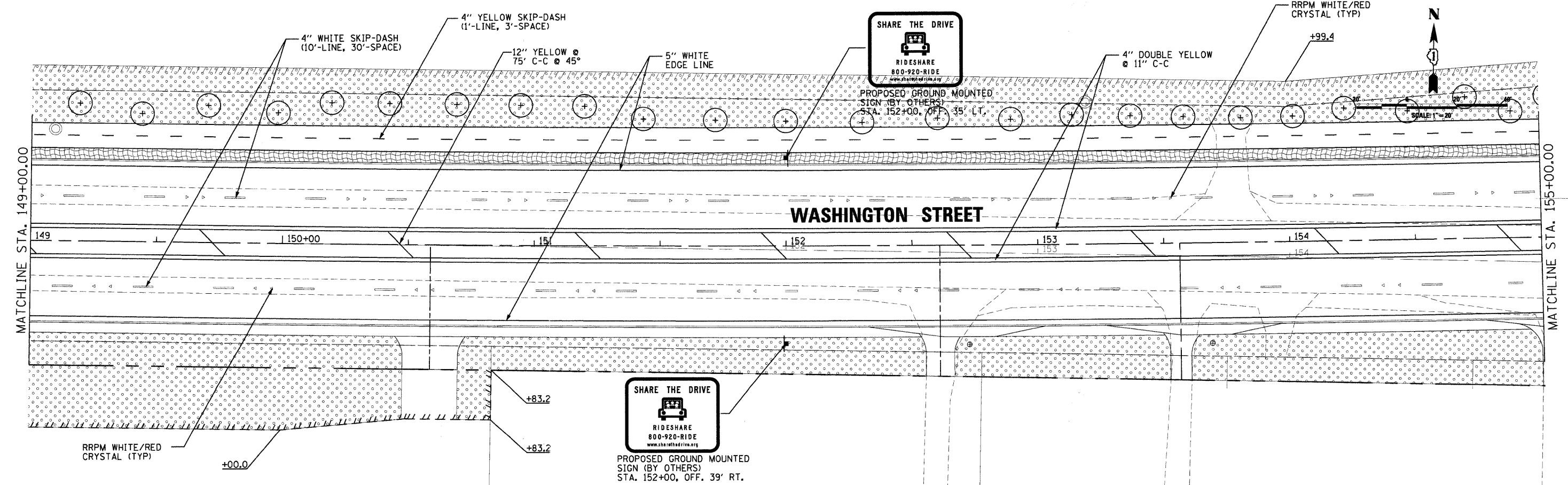
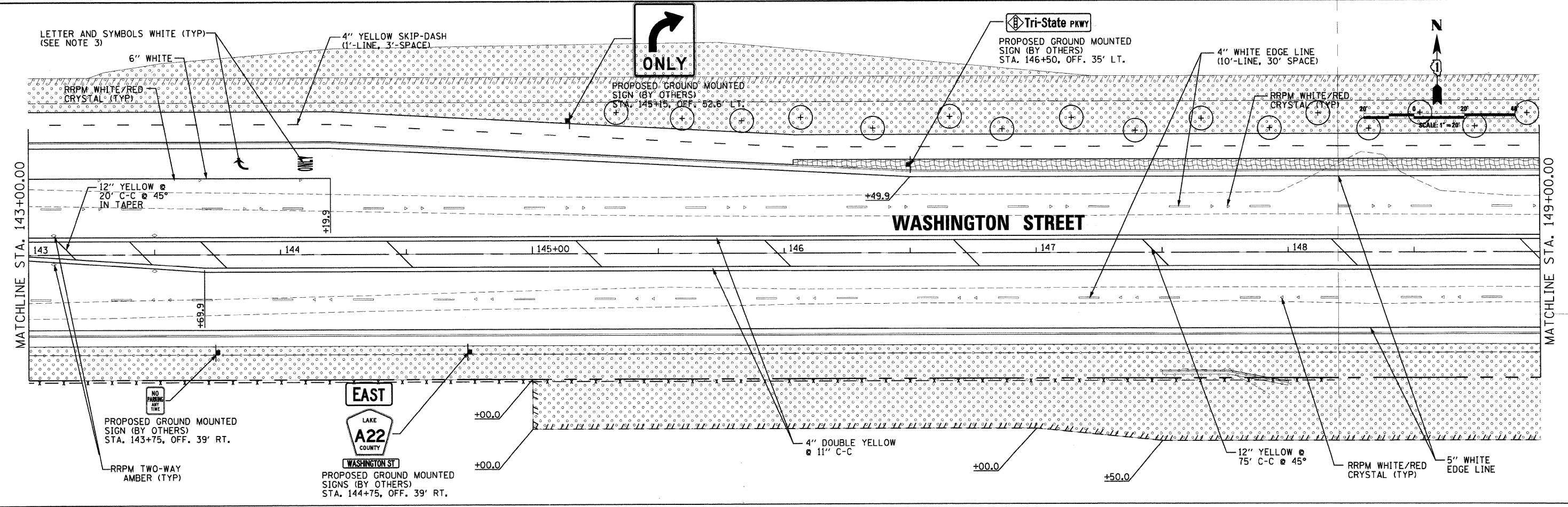


PAVEMENT MARKING AND LANDSCAPING PLAN

SCALE: 20'=1" SHEET NO. 1 OF 5 SHEETS STA. 131+00 TO STA. 143+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-0010-12-WR	LAKE	206	79
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LETTER AND SYMBOLS WHITE (TYP)
(SEE NOTE 3)



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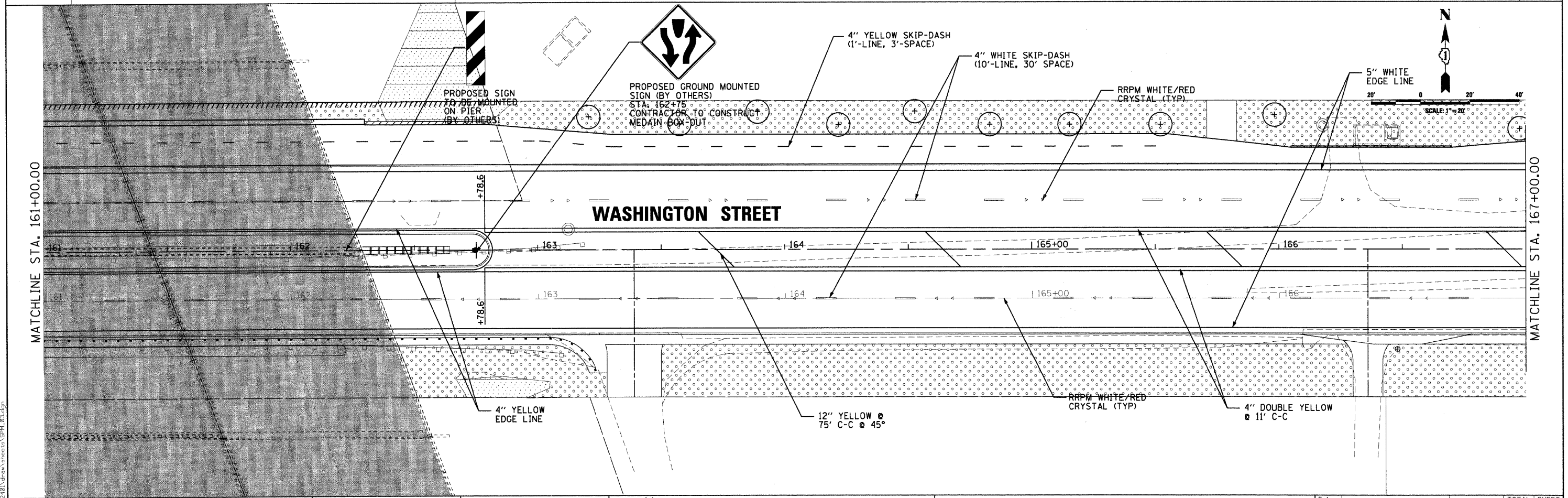
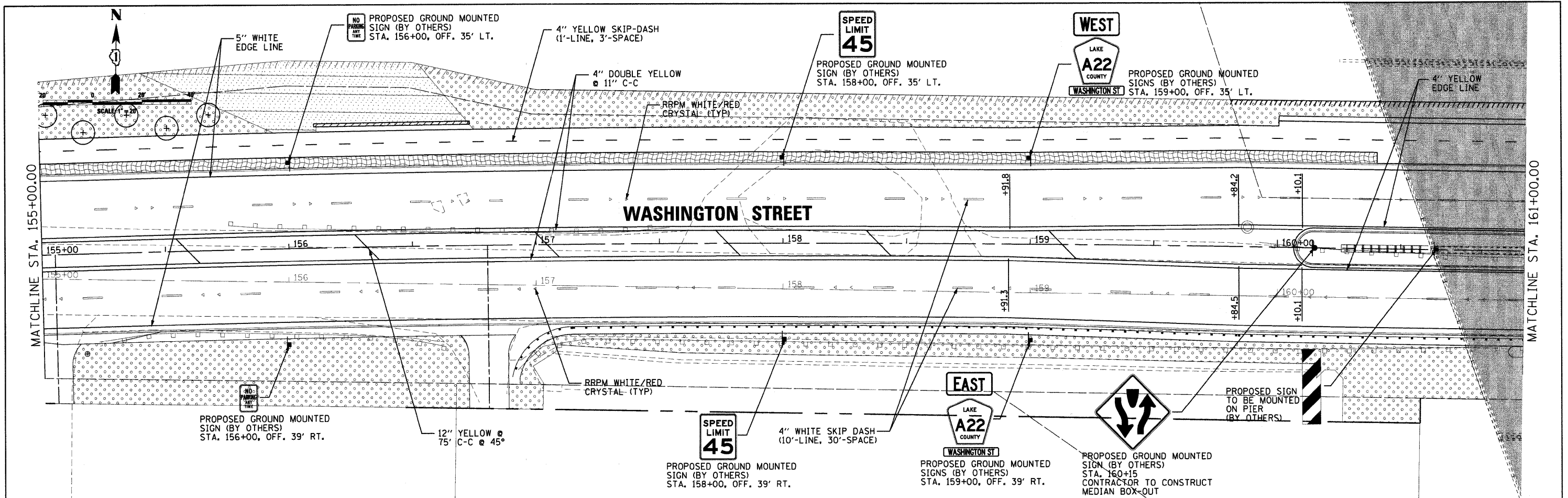


USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 20,000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



PAVEMENT MARKING AND LANDSCAPING PLAN
SCALE: 20'-1" SHEET NO. 2 OF 5 SHEETS STA. 143+00 TO STA. 155+00

F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 80
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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USER NAME = Monica Crinion
 PLOT SCALE = 20:0000' / IN.
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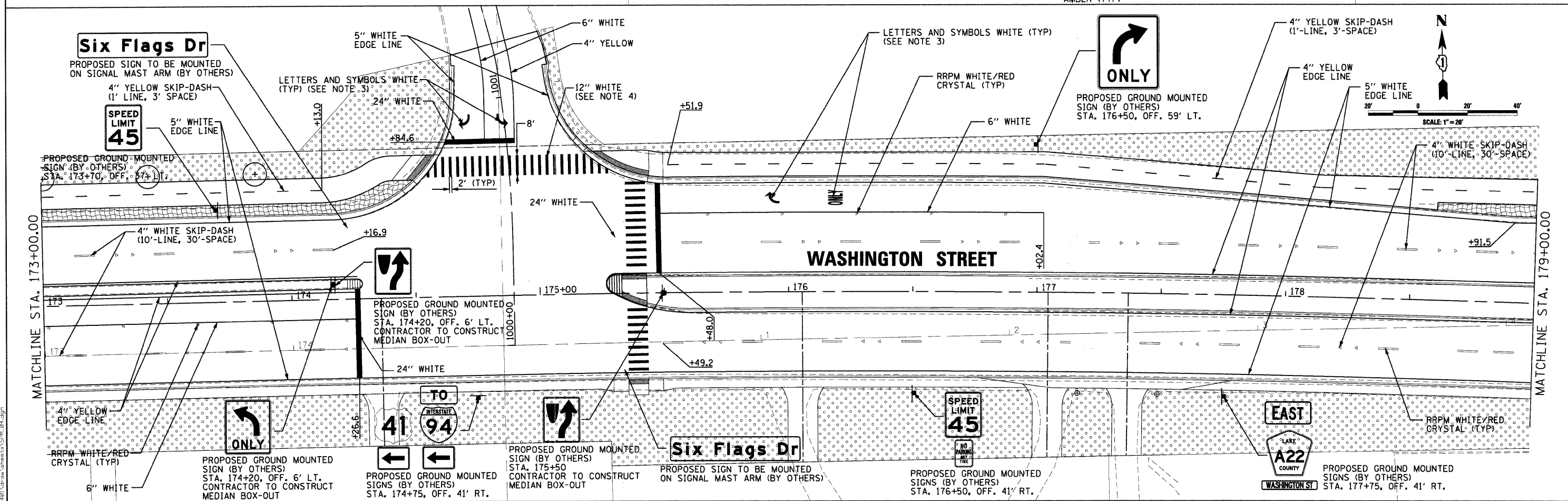
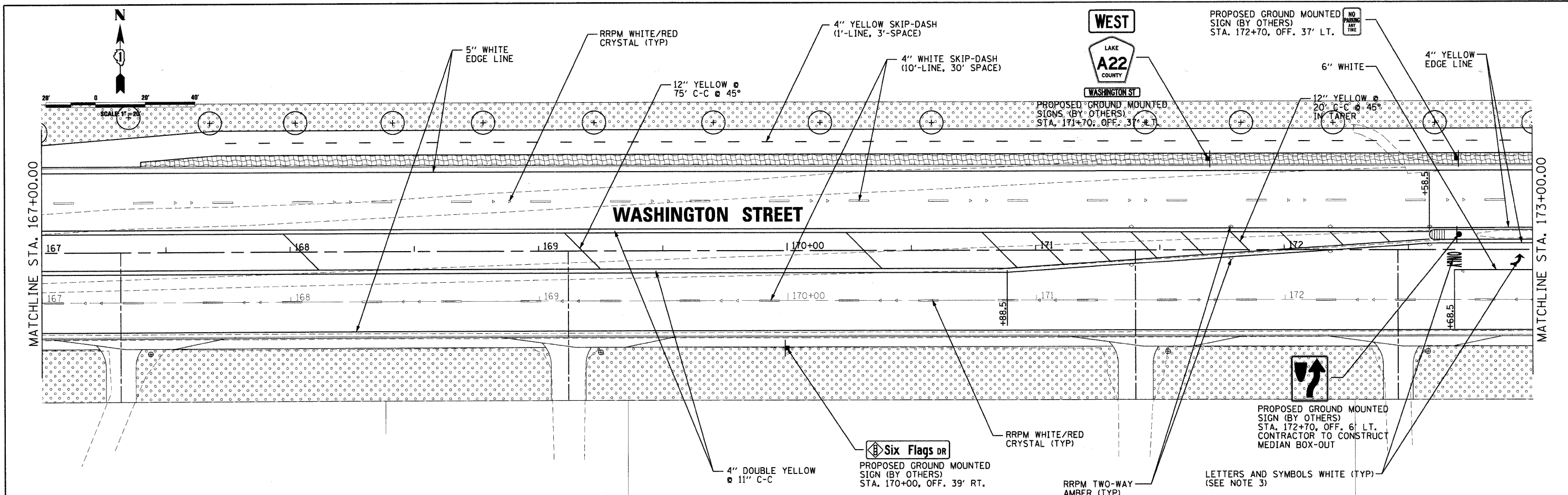
DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 07/15/09

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PAVEMENT MARKING AND LANDSCAPING PLAN
 SCALE: 20'-1" SHEET NO. 3 OF 5 SHEETS STA. 155+00 TO STA. 167+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	81
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	



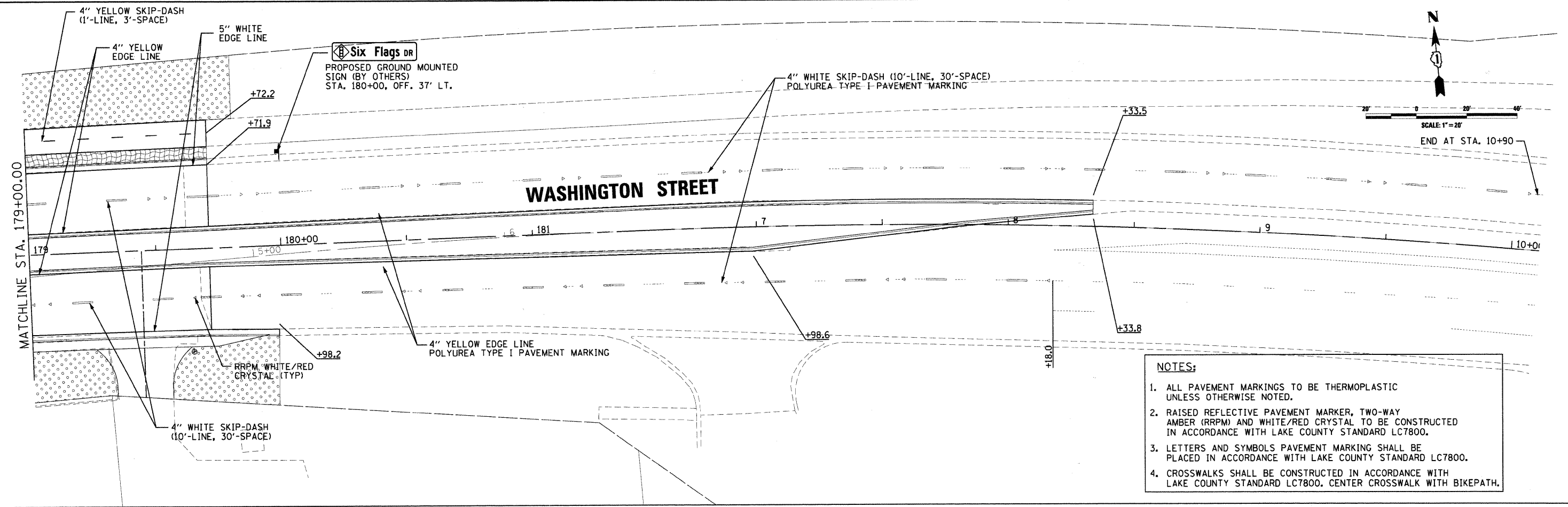
FILE NAME: I:\LakeCo\0822481\N:\m\whentia\SPM_04.dgn
 CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 04-00063

USER NAME: Monica Crisman	DESIGNED: SJP	REVISED:
PLOT SCALE = 20.0000' / IN.	DRAWN: SJP	REVISED:
PLOT DATE = 07/15/09	CHECKED: KDN	REVISED:
	DATE: 07/15/09	REVISED:

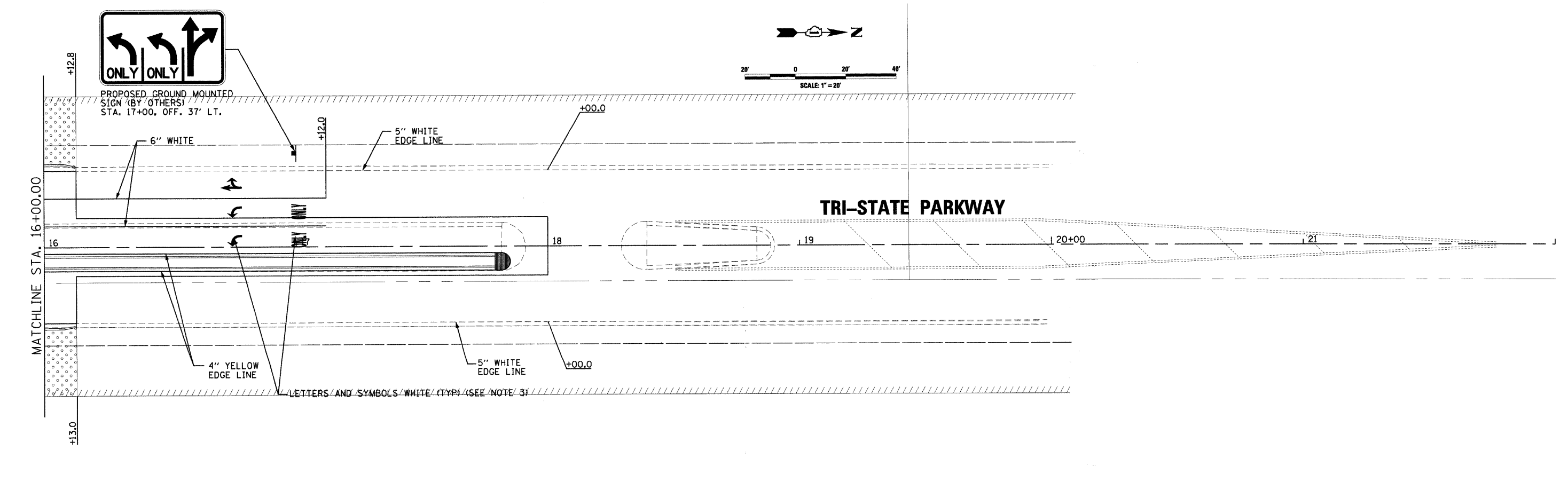


PAVEMENT MARKING AND LANDSCAPING PLAN		
SCALE: 20'-1" = 1"	SHEET NO. 4 OF 5 SHEETS	STA. 167+00 TO STA. 179+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-0010-12-WR	LAKE	206	82
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	



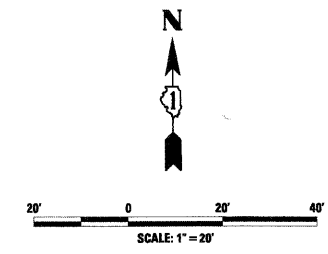
- NOTES:**
1. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. RAISED REFLECTIVE PAVEMENT MARKER, TWO-WAY AMBER (RRPM) AND WHITE/RED CRYSTAL TO BE CONSTRUCTED IN ACCORDANCE WITH LAKE COUNTY STANDARD LC7800.
 3. LETTERS AND SYMBOLS PAVEMENT MARKING SHALL BE PLACED IN ACCORDANCE WITH LAKE COUNTY STANDARD LC7800.
 4. CROSSWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LAKE COUNTY STANDARD LC7800. CENTER CROSSWALK WITH BIKEPATH.



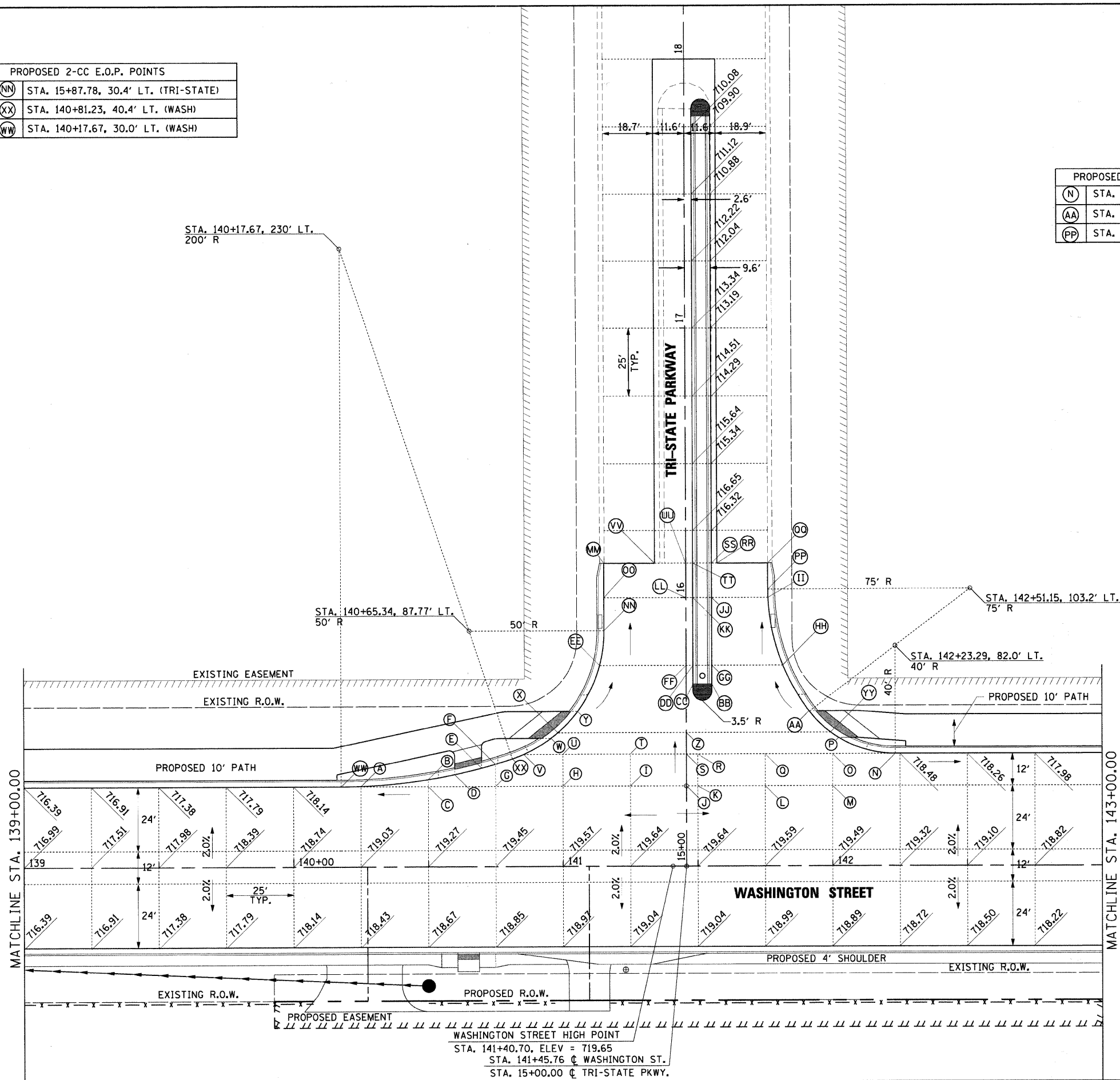
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CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 084-00063	USER NAME = Steve Prange DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	LakeCounty Division of Transportation	PAVEMENT MARKING AND LANDSCAPING PLAN		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 83 CONTRACT NO. 63209
	PLOT SCALE = 20.0000' / IN. PLOT DATE = 05/29/09	SCALE: 20'-1" SHEET NO. 5 OF 5 SHEETS STA. 179+00 TO STA. 10+11.03		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

PROPOSED 2-CC E.O.P. POINTS	
(NN)	STA. 15+87.78, 30.4' LT. (TRI-STATE)
(XX)	STA. 140+81.23, 40.4' LT. (WASH)
(WW)	STA. 140+17.67, 30.0' LT. (WASH)

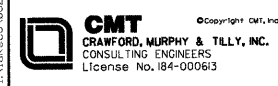


PROPOSED 2-CC E.O.P. POINTS	
(N)	STA. 142+23.29, 42.0' LT. (WASH)
(AA)	STA. 15+57.78, 45.7' LT. (TRI-STATE)
(PP)	STA. 16+02.98, 30.4' RT. (TRI-STATE)



	STATION	OFFSET	ELEVATION
A	140+25.00	30.0' LT.	718.43
B	140+50.00	32.6' LT.	718.63
C	140+50.00	30.0' LT.	718.67
D	140+59.81	34.5' LT.	718.67
E	140+69.81	36.9' LT.	718.64
F	140+75.00	38.4' LT.	718.61
G	140+75.00	30.0' LT.	718.85
H	141+00.00	30.0' LT.	718.97
I	141+25.00	30.0' LT.	719.04
J	141+45.76	30.0' LT.	719.05
K	141+50.00	30.0' LT.	719.04
L	141+75.00	30.0' LT.	718.99
M	142+00.00	30.0' LT.	718.89
N	SEE 2-CENTERED CURVE TABLE		718.51
O	15+42.00	54.2' RT.	718.41
P	15+47.95	56.5' RT.	718.17
Q	15+42.00	29.2' RT.	718.63
R	15+42.00	4.2' RT.	718.80
S	15+42.00	0.0' LT.	718.81
T	15+42.00	20.8' LT.	718.77
U	15+42.00	45.8' LT.	718.55
V	15+42.00	60.3' LT.	718.45
W	15+47.96	50.2' LT.	718.27
X	15+50.00	47.7' LT.	718.19
Y	15+57.96	40.3' LT.	717.91
Z	15+50.00	0.0' LT.	718.63
AA	SEE 2-CENTERED CURVE TABLE		717.83
BB	15+68.00	9.6' RT.	718.03
CC	15+68.00	2.6' RT.	718.27
DD	15+75.00	2.6' RT.	718.10
EE	15+75.00	32.0' LT.	717.41
FF	15+75.00	0.0' LT.	718.05
GG	15+75.00	9.6' RT.	717.86
HH	15+75.00	35.9' RT.	717.33
II	16+00.00	30.5' RT.	716.82
JJ	16+00.00	9.6' RT.	717.24
KK	16+00.00	2.6' RT.	717.48
LL	16+00.00	0.0' LT.	717.43
MM	16+12.78	30.4' LT.	716.27
NN	SEE 2-CENTERED CURVE TABLE		717.11
OO	16+00.00	30.4' LT.	716.82
PP	SEE 2-CENTERED CURVE TABLE		716.69
QQ	16+12.78	30.4' RT.	716.28
RR	16+12.78	11.6' RT.	716.81
SS	16+12.78	9.6' RT.	716.85
TT	16+12.78	2.6' RT.	717.18
UU	16+12.78	0.0' LT.	717.11
VV	16+12.78	11.6' LT.	716.79
WW	SEE 2-CENTERED CURVE TABLE		718.35
XX	SEE 2-CENTERED CURVE TABLE		718.58
YY	15+50.00	53.5' RT.	718.10

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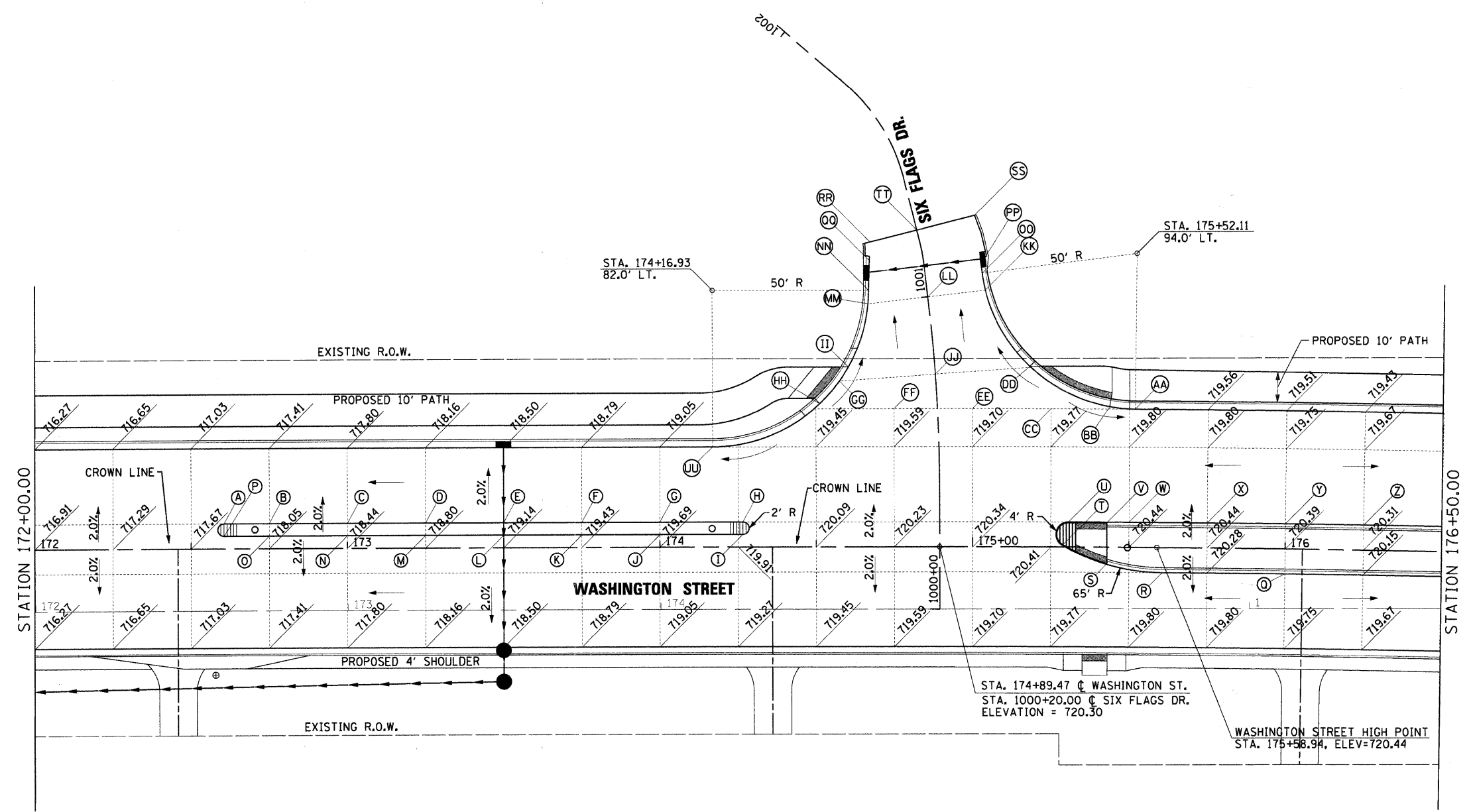
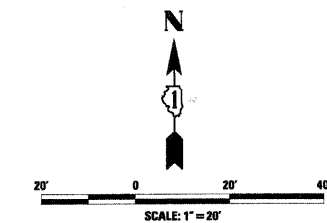


USER NAME = Steve Prange	DESIGNED - SJP	REVISD -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISD -
PLOT DATE = 05/29/09	CHECKED - KON	REVISD -
	DATE - 05/29/09	REVISD -



TRI-STATE PARKWAY INTERSECTION PAVING PLAN	
SCALE: 20'=1"	SHEET NO. 1 OF 1 SHEETS
STA. 139+00.00 TO STA. 143+00.00	

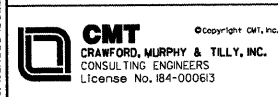
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	84
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	172+60.53	8.0' LT.	717.68
B	172+75.00	8.0' LT.	717.89
C	173+00.00	8.0' LT.	718.28
D	173+25.00	8.0' LT.	718.64
E	173+50.00	8.0' LT.	718.98
F	173+75.00	8.0' LT.	719.27
G	174+00.00	8.0' LT.	719.53
H	174+26.52	8.0' LT.	719.76
I	174+26.52	4.0' LT.	720.00
J	174+00.00	4.0' LT.	719.77
K	173+75.00	4.0' LT.	719.51
L	173+50.00	4.0' LT.	719.22
M	173+25.00	4.0' LT.	718.88
N	173+00.00	4.0' LT.	718.52
O	172+75.00	4.0' LT.	718.13
P	172+60.53	4.0' LT.	717.90
Q	176+00.00	8.0' RT.	720.23
R	175+60.75	8.0' RT.	720.28
S	175+43.00	5.5' RT.	720.33
T	175+28.68	0.53' LT.	720.42
U	175+30.67	8.0' LT.	720.26
V	175+42.88	8.0' LT.	720.27
W	175+50.00	8.0' LT.	720.28
X	175+75.00	8.0' LT.	720.28
Y	176+00.00	8.0' LT.	720.23
Z	176+25.00	8.0' LT.	720.15
AA	175+51.82	44.0' LT.	719.56
BB	175+43.69	44.7' LT.	719.55
CC	175+25.00	44.0' LT.	719.59
DD	175+18.30	57.5' LT.	719.26
EE	175+00.00	44.0' LT.	719.52
FF	174+75.00	44.0' LT.	719.41
GG	1000+75.00	30.8' LT.	719.01
HH	174+51.22	45.6' LT.	719.17
II	174+60.42	57.3' LT.	718.91
JJ	1000+75.00	0.0' LT.	719.38
KK	1001+00.00	18.6' RT.	718.39
LL	1001+00.00	0.0' RT.	718.63
MM	1001+00.00	19.3' LT.	718.48
NN	1001+02.71	18.6' LT.	718.40
OO	1001+05.48	18.2' LT.	718.28
PP	1001+09.90	18.1' RT.	718.18
QQ	1001+15.44	17.0' LT.	718.20
RR	1001+21.70	15.5' LT.	718.10
SS	1001+21.70	19.0' RT.	717.76
TT	1001+21.70	0.0' LT.	717.96
UU	174+16.93	32.0' LT.	719.20

NOTE: ELEVATIONS AT \odot REFLECT PGL ELEVATIONS AS SHOWN ON THE PROPOSED ROADWAY PROFILE AND TYPICAL SECTIONS. THESE ELEVATIONS DO NOT REFLECT THE TOP OF MEDIAN PAVEMENT WHERE RAISED MEDIANS ARE PRESENT.

FILE NAME = I:\projects\0822-081\Draw\Sheets\INT_02.dgn



USER NAME = Monica Crinson	DESIGNED - SJP	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -



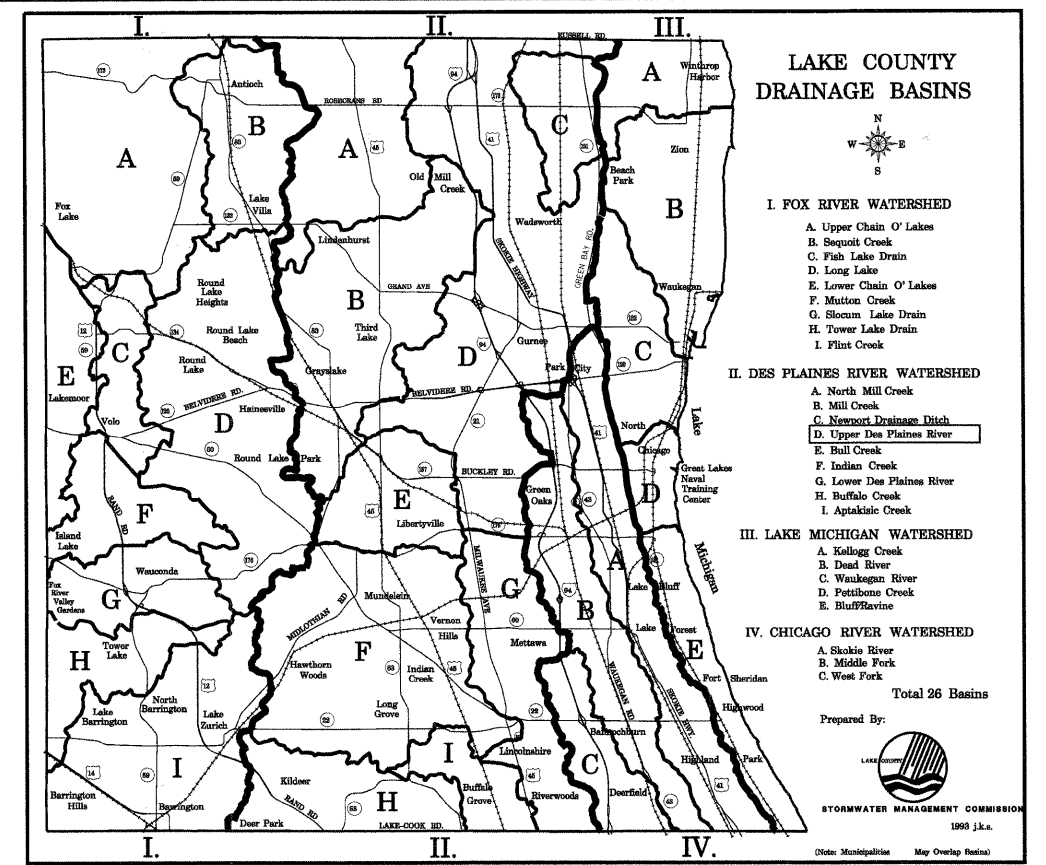
SIX FLAGS DRIVE INTERSECTION PAVING PLAN

SCALE: 20'=1" SHEET NO. 1 OF 1 SHEETS STA. 172+00.00 TO STA. 176+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	85
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TEMPORARY EROSION CONTROL NOTES

1. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION TYPICAL CONSTRUCTION SEQUENCING.
2. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.
3. A COPY OF THE APPROVED EROSION CONTROL AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIME.
4. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES IMMEDIATELY AFTER STRIPPING OF EXISTING VEGETATION.
5. NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE SITE OTHER THAN THROUGH EROSION CONTROL PROTECTIVE MEASURES. THE CONTRACTOR WILL ADJUST HIS OPERATIONS AND IMPLEMENT EROSION CONTROL MEASURES ACCORDINGLY.
6. NO WORK SHALL BE PERFORMED IN FLOWING WATER, PRIORITY SHALL BE GIVEN TO COMPLETION AND STABILIZATION OF WORK IN AND NEAR THE CRITICAL AREAS (WETLANDS AND WATERS OF THE U.S.) ONCE THIS WORK HAS BEGUN. ALL CRITICAL AREAS SHOULD RECEIVE TEMPORARY OR PERMANENT STABILIZATION AT THE END OF THE DAY.
7. MAINTENANCE AND REPAIR OF ALL EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.
8. THE CONTRACTOR SHALL SURROUND ALL EARTH STOCKPILES WITH SILT FILTER FENCE, WHICH SHALL BE PAID FOR AS PERIMETER EROSION BARRIER.
9. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.
10. EROSION CONTROL MEASURES SHALL BE INSPECTED 24 HOURS AFTER ANY STORM OF PRECIPITATION.
11. ALL CONCRETE TRUCK WASHOUT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND MUST REMAIN WITHIN THE LIMITS OF CONSTRUCTION. THE DESIGNATED AREA SHALL BE APPROVED BY THE ENGINEER.
 - a.) A CONCRETE WASHOUT SIGN SHALL BE INSTALL WITHIN 20 FEET OF THE TEMPORARY CONCRETE TRUCK WASHOUT FACILITY. AT A MINIMUM, THE SIGN SHALL READ "CONCRETE WASHOUT" IN 6" TALL LETTERS.
 - b.) INSPECTION SHALL OCCUR ONCE A WEEK AND DAILY DURING CONCRETE OPERATIONS. REPAIR/REPLACEMENT OF THE FACILITY SHALL BE MADE SUCH THAT CONCRETE WASTE IS CONTAINED.
 - c.) THE CONCRETE WASHOUT FACILITY MUST BE CLEANED AND ALL OF THE CONTAINED MATERIALS SHALL BE REMOVED AND DISPOSED OF AT A LEGAL OFF-SITE LOCATION WHEN THE FACILITY HAS REACHED 50% CAPACITY. UPON COMPLETION OF CONCRETE OPERATIONS, THE CONCRETE TRUCK WASHOUT AND ALL MATERIALS CONTAINED WITHIN SHALL BE DISPOSED OF AT A LEGAL OFF-SITE LOCATION WHEN THE FACILITY.
12. THE CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL DEVICES. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED, REPAIRED, AND REPLACED THROUGHOUT THE ENTIRE CONSTRUCTION OF PROJECT. AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION CONTROL DEVICES SHALL BE REMOVED, ALL DRAINAGE STRUCTURES CLEANED, AND ALL AREAS DISTURBED BY INSTALLATION OF EROSION CONTROL DEVICES RESTORED.
13. SILT BASKETS SHALL BE INSTALLED AT ALL CURB STRUCTURES. SILT BASKETS SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER. COSTS FOR INSTALLATION AND CLEANING OF SILT BASKETS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR INLET PROTECTION, SPECIAL.
14. ALL PROPOSED DITCH BOTTOMS SHALL BE LINED WITH EROSION CONTROL MAT AND FLOCCULATION POWDER PER SPECIFICATIONS. FLOCCULATION LOGS SHALL ALSO BE PLACED IN LOCATIONS DETERMINED BY THE ENGINEER AND PER SPECIFICATIONS.



SP	UNIT NO.	ESTIMATED QUANTITIES	QUANTITY	UNIT
*	20101100	TREE TRUNK PROTECTION	24	EACH
	25100630	EROSION CONTROL BLANKET	25,525	SQ YD
	25100800	EROSION CONTROL MAT	348	SQ YD
	28000250	TEMPORARY EROSION CONTROL SEEDING	434	POUND
*	28000400	PERIMETER EROSION BARRIER	8,766	FOOT
	28100705	STONE DUMPED RIPRAP, CLASS A3	408	SQ YD
*	28200200	FILTER FABRIC	408	SQ YD
*	LC200500	REMOVE PERIMETER EROSION BARRIER	8,766	FOOT
*	X2800105	TEMPORARY DITCH CHECKS, URETHANE FOAM/GEOTEXTILE	24	EACH
*	X2800500	INLET PROTECTION, SPECIAL	101	EACH
*	XX004878	MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS	28,320	UNIT
*	XX006658	FLOCCULATION LOGS	20	EACH
*	XX006659	FLOCCULATION POWDER	18	POUND

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY.	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING				A				A				
DORMANT SEEDING	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TEMPORARY SEEDING	B											
SODDING	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MULCHING	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

A. SEEDING CLASS 2A (SEE IDOT STD. SPEC. ART. 250.07 FOR SEEDING MIXTURE)

B. TEMPORARY SEEDING (SEE IDOT STD. SPEC. ART. 280.04 f.)

FILE NAME: I:\LakeCo\2022\24\1\dr-aw-eroc-02-0101.dgn

<p>CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613</p>	USER NAME = Steve Prange PLOT SCALE = 20,000' / IN. PLOT DATE = 05/29/09	DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	<p>Lake County Division of Transportation</p>	EROSION CONTROL NOTES		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 86	CONTRACT NO. 63209
	SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

**LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
TYPICAL CONSTRUCTION SEQUENCING**

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - a.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - b.) SILT FENCE INSTALLATION
 2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
 3. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS ...)
 4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER
 5. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
 6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
 7. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
 8. PERMANENTLY STABILIZE DETENTION BASINS WITH SEED AND EROSION CONTROL BLANKET
 9. TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE
 10. INSTALL ROADWAYS
 11. PERMANENTLY STABILIZE ALL OUTLOT AREAS
 12. INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS
 13. PERMANENTLY STABILIZE LOTS
 14. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS ESTABLISHED WITH OVER 70% VEGETATION
- SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER 1/2 OR GREATER RAINFALL EVENT

CRITICAL AREA #1 - PROPOSED DRAINAGE STRUCTURE #3 TEMP. DRAINAGE

STAGE 1

1. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE STRUCTURE #3 AT STA. 137+00, OFF. 30' LT. PROPOSED DRAINAGE STRUCTURE #3 SHALL BE PRE-FABRICATED TO ACCOMMODATE THE TEMPORARY PIPE INVERT AS SHOWN ON THE STAGE 1 EROSION CONTROL PLAN SHEETS.
2. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE PIPE #2 FROM PROPOSED DRAINAGE STRUCTURE #3 TO THE CONSTRUCTION STAGE LINE. CONTRACTOR SHALL PLUG PROPOSED DRAINAGE PIPE #2 AT THE CONSTRUCTION STAGE LINE.
3. CONTRACTOR SHALL INSTALL A 12" TEMPORARY STORM SEWER PIPE FROM PROPOSED DRAINAGE STRUCTURE #3 TO THE RIPRAP NORTH OF THE EXISTING 48" PIPE CULVERT AT STA. 137+18. A 12" FLARED END SECTION SHALL BE INSTALLED AT THE DAYLIGHT END OF THE TEMPORARY PIPE. THE PIPE SHALL BE INSTALLED AT THE INVERT ELEVATIONS SHOWN ON THE STAGE 1 EROSION CONTROL PLAN SHEETS.

STAGE 2

4. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE STRUCTURE #5 AT STA. 137+00, OFF. 30' RT.
5. CONTRACTOR SHALL LOCATE AND UN-PLUG THE END OF PROPOSED DRAINAGE PIPE #2 AND INSTALL THE REMAINDER OF THE PIPE FROM THE CONSTRUCTION STAGE LINE TO PROPOSED DRAINAGE STRUCTURE #5.
6. CONTRACTOR SHALL COMPLETE THE INSTALLATION OF ALL PROPOSED CONNECTIONS THAT DOWNSTREAM OF PROPOSED DRAINAGE STRUCTURE #5 SO THAT POSITIVE DRAINAGE IS MAINTAINED THROUGH CONSTRUCTION OF THE PROPOSED DRAINAGE CROSSING AT STA. 137+00.
7. AFTER THE PROPOSED DRAINAGE SYSTEM HAS BEEN COMPLETED, THE TEMPORARY DRAINAGE PIPE AND END SECTION INSTALLED DURING STEP 3 SHALL BE REMOVED AND FILLED WITH CONTROLLED LOW STRENGTH MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE INSTALLATION OF THE PROPOSED DRAINAGE STRUCTURE AND PIPE PAY ITEMS AND CONTROLLED LOW STRENGTH MATERIAL.
8. CONTRACTOR SHALL RETURN ALL AREAS DISTURBED BY THE REMOVAL OR FILL OF TEMPORARY DRAINAGE ITEMS TO THE FINAL GRADES AND CONDITIONS INDICATED IN THE CROSS-SECTIONS AND PLANS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL ITEMS.

CRITICAL AREA #2 - PROPOSED 12" PIPE CROSSING NEAR STA. 156+50 TEMP. DRAINAGE

STAGE 1

1. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE STRUCTURE #33 AT STA. 156+45, OFF. 30' LT.
2. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE PIPE #31 FROM PROPOSED DRAINAGE STRUCTURE #33 TO THE CONSTRUCTION STAGE LINE.
3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FROM PROPOSED DRAINAGE PIPE #31 TO EXISTING 67" x 95" CULVERT DURING STAGE 1 CONSTRUCTION. THE COST TO MAINTAIN POSITIVE DRAINAGE AND PROVIDE THE NECESSARY EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.

STAGE 2

4. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE STRUCTURE #34 AT STA. 156+50, OFF. 30' RT.
5. CONTRACTOR SHALL COMPLETE THE INSTALLATION OF ALL PROPOSED CONNECTIONS THAT ARE DOWNSTREAM OF PROPOSED DRAINAGE STRUCTURE #34 SO THAT POSITIVE DRAINAGE IS MAINTAINED THROUGH CONSTRUCTION OF THE PROPOSED DRAINAGE CROSSING AT STA. 156+50.
6. THE CONTRACTOR SHALL REMOVE TEMPORARY DRAINAGE AND EROSION CONTROL MEASURES INSTALLED DURING STEP 3. THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS. IMMEDIATELY FOLLOWING THE REMOVAL OF TEMPORARY DRAINAGE AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL INSTALL THE REMAINDER OF PROPOSED DRAINAGE PIPE #31 FROM THE STAGE LINE TO PROPOSED DRAINAGE STRUCTURE #34.

CRITICAL AREA #3 - PROPOSED CULVERT #1 TEMP. DRAINAGE

STAGE 1

1. CONTRACTOR SHALL REMOVE EXISTING 67" x 95" BOX CULVERT AND INSTALL PROPOSED RETAINING WALL AND PROPOSED 10' x 4.5' BOX CULVERT NORTH OF THE STAGE LINE NEAR STATION 156+75.
2. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FROM PROPOSED 10' x 4.5' BOX CULVERT TO EXISTING 67" x 95" BOX CULVERT DURING STAGE 1 CONSTRUCTION. THE COST TO MAINTAIN POSITIVE DRAINAGE AND PROVIDE THE NECESSARY EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.

STAGE 2

3. CONTRACTOR SHALL REMOVE EXISTING 67" x 95" BOX CULVERT AND INSTALL PROPOSED HEADWALL AND PROPOSED 10' x 4.5' BOX CULVERT SOUTH OF THE CONSTRUCTION STAGE LINE. UPON CONNECTION OF THE PROPOSED 10' x 4.5' BOX CULVERT AT THE STAGE LINE, THE CONTRACTOR SHALL REMOVE TEMPORARY DRAINAGE AND EROSION CONTROL MEASURES INSTALLED DURING STEP 2. THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.

CRITICAL AREA #4 - PROPOSED DRAINAGE STRUCTURE #46 & CULVERT #3 TEMP. DRAINAGE

STAGE 1

1. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE STRUCTURE #46 AT STA. 159+70, OFF. 32' LT AND PROPOSED DRAINAGE STRUCTURE #48 AT STA. 159+85, OFF. 56' LT. PROPOSED DRAINAGE STRUCTURES #46 AND #48 SHALL BE PRE-FABRICATED TO ACCOMMODATE THE TEMPORARY PIPE INVERTS AS SHOWN ON THE STAGE 1 EROSION CONTROL PLAN SHEETS.
2. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE PIPE #42 FROM PROPOSED DRAINAGE STRUCTURE #46 TO THE CONSTRUCTION STAGE LINE. CONTRACTOR SHALL PLUG PROPOSED DRAINAGE PIPE #42 AT THE CONSTRUCTION STAGE LINE.
3. CONTRACTOR SHALL INSTALL A 12" TEMPORARY STORM SEWER PIPE FROM PROPOSED DRAINAGE STRUCTURE #46 TO PROPOSED STRUCTURE #48. THE PIPE SHALL BE INSTALLED AT THE INVERT ELEVATIONS SHOWN ON THE STAGE 1 EROSION CONTROL PLAN SHEETS.
4. CONTRACTOR SHALL REMOVE EXISTING 24" CULVERT AND INSTALL PROPOSED 30" PIPE CULVERT NORTH OF THE STAGE LINE NEAR STATION 160+00.
5. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FROM PROPOSED 30" PIPE CULVERT TO EXISTING 24" PIPE CULVERT DURING STAGE 1 CONSTRUCTION. THE COST TO MAINTAIN POSITIVE DRAINAGE AND PROVIDE THE NECESSARY EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.

STAGE 2

4. CONTRACTOR SHALL INSTALL PROPOSED DRAINAGE STRUCTURE #49 AT STA. 160+16, OFF. 32' RT.
5. CONTRACTOR SHALL LOCATE AND UN-PLUG THE END OF PROPOSED DRAINAGE PIPE #42 AND INSTALL THE REMAINDER OF THE PIPE FROM THE CONSTRUCTION STAGE LINE TO PROPOSED DRAINAGE STRUCTURE #49.
6. CONTRACTOR SHALL COMPLETE THE INSTALLATION OF ALL PROPOSED CONNECTIONS THAT ARE DOWNSTREAM OF PROPOSED DRAINAGE STRUCTURE #49 SO THAT POSITIVE DRAINAGE IS MAINTAINED THROUGH CONSTRUCTION OF THE PROPOSED DRAINAGE CROSSING NEAR STA. 160+00.
7. AFTER THE PROPOSED DRAINAGE SYSTEM HAS BEEN COMPLETED, THE TEMPORARY DRAINAGE PIPE INSTALLED DURING STEP 3 SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR CONTROLLED LOW STRENGTH MATERIAL.

CRITICAL AREA #5 - PROPOSED CULVERT #4 TEMP. DRAINAGE

STAGE 1

1. CONTRACTOR SHALL REMOVE EXISTING DUAL 30" PIPE CULVERTS AND INSTALL PROPOSED RETAINING WALL AND PROPOSED DUAL 42" ELLIPTICAL PIPE CULVERTS NORTH OF THE STAGE LINE NEAR STATION 162+70.
2. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FROM PROPOSED DUAL 42" ELLIPTICAL PIPE CULVERTS TO EXISTING DUAL 30" PIPE CULVERTS DURING STAGE 1 CONSTRUCTION. THE COST TO MAINTAIN POSITIVE DRAINAGE AND PROVIDE THE NECESSARY EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.

STAGE 2

3. CONTRACTOR SHALL REMOVE EXISTING DUAL 30" PIPE CULVERTS AND INSTALL PROPOSED DUAL 42" ELLIPTICAL PIPE CULVERTS FROM EXISTING STRUCTURE #60 TO THE CONSTRUCTION STAGE LINE. UPON CONNECTION OF THE PROPOSED DUAL 42" ELLIPTICAL PIPE CULVERTS AT THE STAGE LINE, THE CONTRACTOR SHALL REMOVE TEMPORARY DRAINAGE AND EROSION CONTROL MEASURES INSTALLED DURING STEP 2. THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.

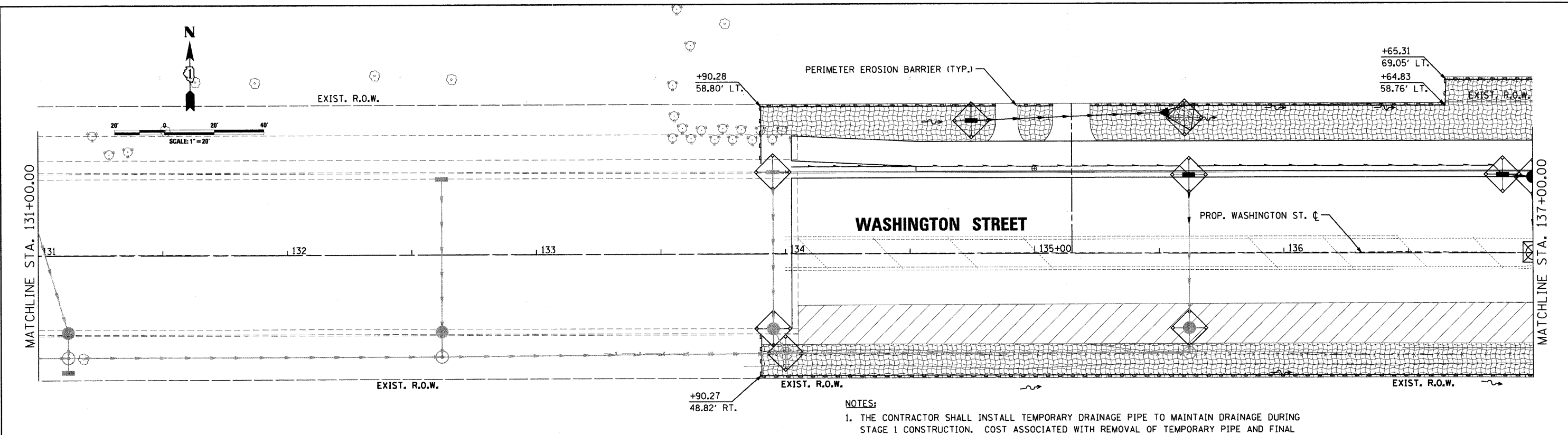
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USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
PLOT SCALE = 20,000' / IN.	DRAWN - SJP	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



EROSION CONTROL CONSTRUCTION SEQUENCE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. N/A TO STA. N/A		1016	02-00110-12-WR	LAKE	206	86A
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				CONTRACT NO. 63209				

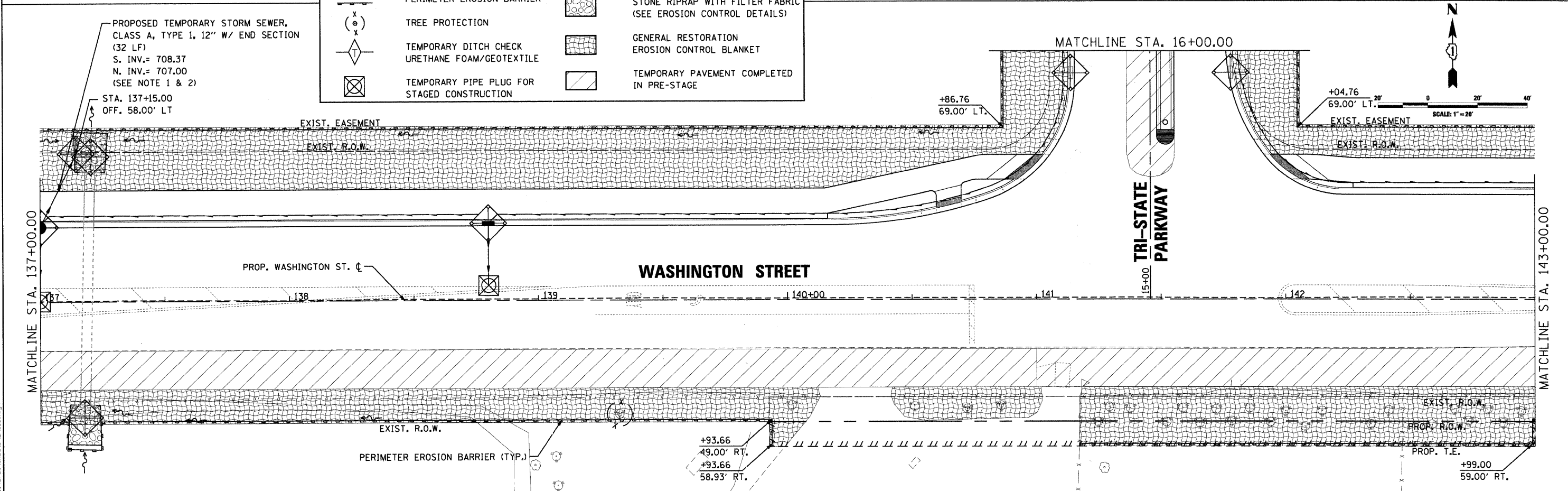


- NOTES:**
1. THE CONTRACTOR SHALL INSTALL TEMPORARY DRAINAGE PIPE TO MAINTAIN DRAINAGE DURING STAGE 1 CONSTRUCTION. COST ASSOCIATED WITH REMOVAL OF TEMPORARY PIPE AND FINAL REPAIR OF TEMPORARY INVERT INTO CATCH BASIN SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE INSTALLATION OF THE PROPOSED DRAINAGE STRUCTURE AND PIPE PAY ITEMS.
 2. PERMANENT DRAINAGE STRUCTURE SHALL BE PRE-FABRICATED TO ACCOMMODATE THE TEMPORARY PIPE INVERT AS SHOWN ON THIS PLAN SHEET.

LEGEND	
	INLET PROTECTION, SPECIAL
	PERIMETER EROSION BARRIER
	TREE PROTECTION
	TEMPORARY DITCH CHECK
	TEMPORARY PIPE PLUG FOR STAGED CONSTRUCTION
	DITCH FLOW LINE
	STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	GENERAL RESTORATION
	EROSION CONTROL BLANKET
	TEMPORARY PAVEMENT COMPLETED IN PRE-STAGE

PROPOSED TEMPORARY STORM SEWER, CLASS A, TYPE 1, 12" W/ END SECTION (32 LF)
 S. INV.= 708.37
 N. INV.= 707.00
 (SEE NOTE 1 & 2)

STA. 137+15.00
 OFF. 58.00' LT



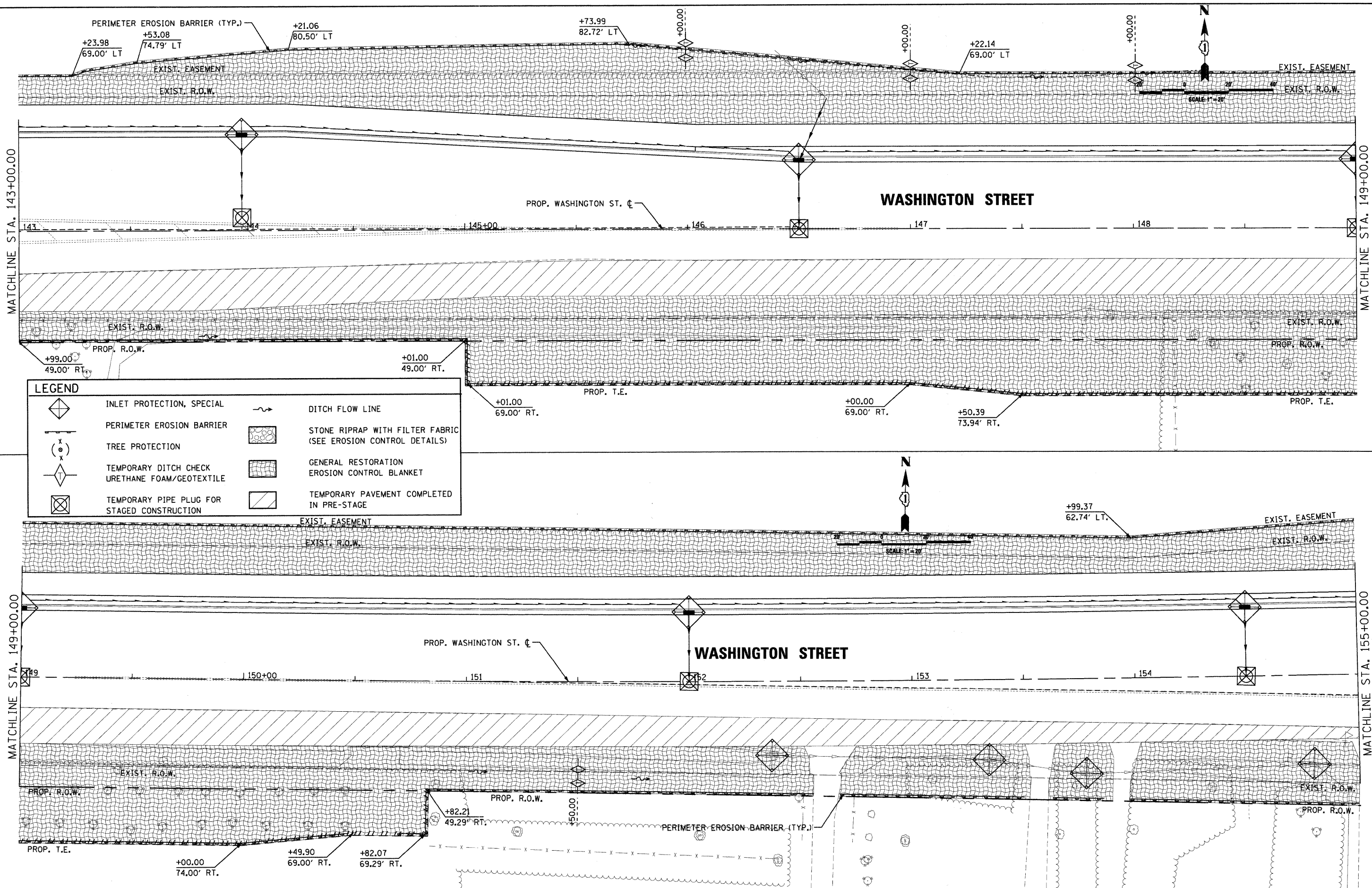
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 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 084-000613

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PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



STAGE 1 - EROSION CONTROL PLAN	
SCALE: 20'=1"	SHEET NO. 1 OF 5 SHEETS
STA. 131+00	TO STA. 143+00

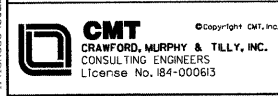
F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 87
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

	INLET PROTECTION, SPECIAL		DITCH FLOW LINE
	PERIMETER EROSION BARRIER		STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	TREE PROTECTION		GENERAL RESTORATION EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK		TEMPORARY PAVEMENT COMPLETED IN PRE-STAGE
	URETHANE FOAM/GEOTEXTILE		
	TEMPORARY PIPE PLUG FOR STAGED CONSTRUCTION		

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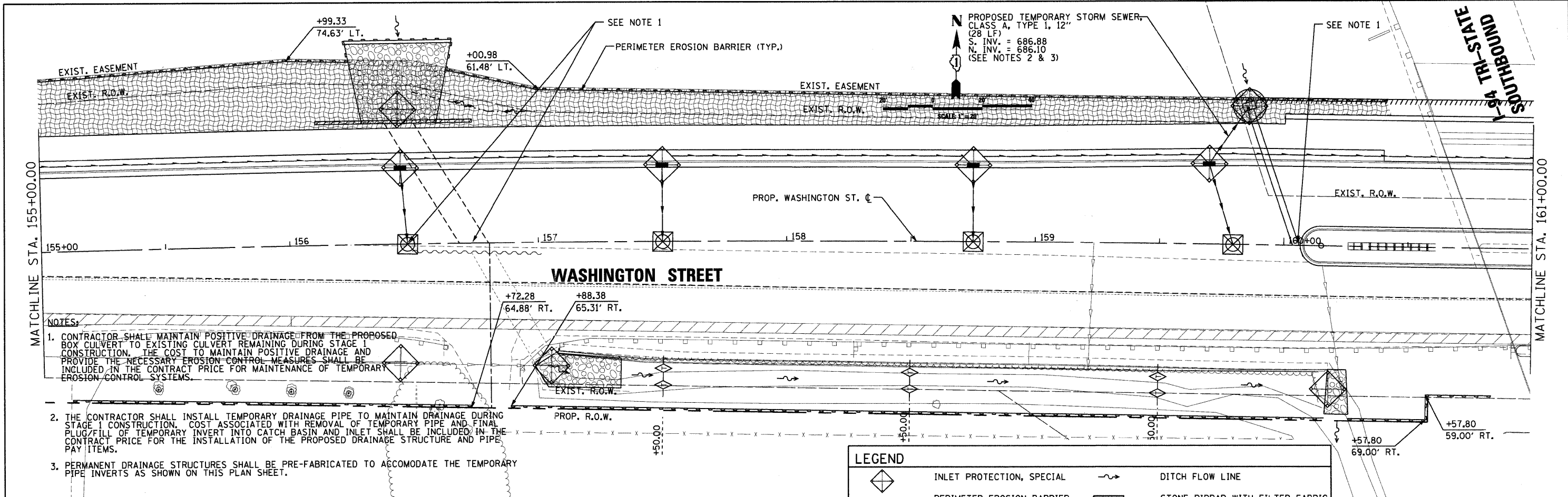


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PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



STAGE 1 - EROSION CONTROL PLAN		
SCALE: 20"=1"	SHEET NO. 2 OF 5 SHEETS	STA. 143+00 TO STA. 155+00

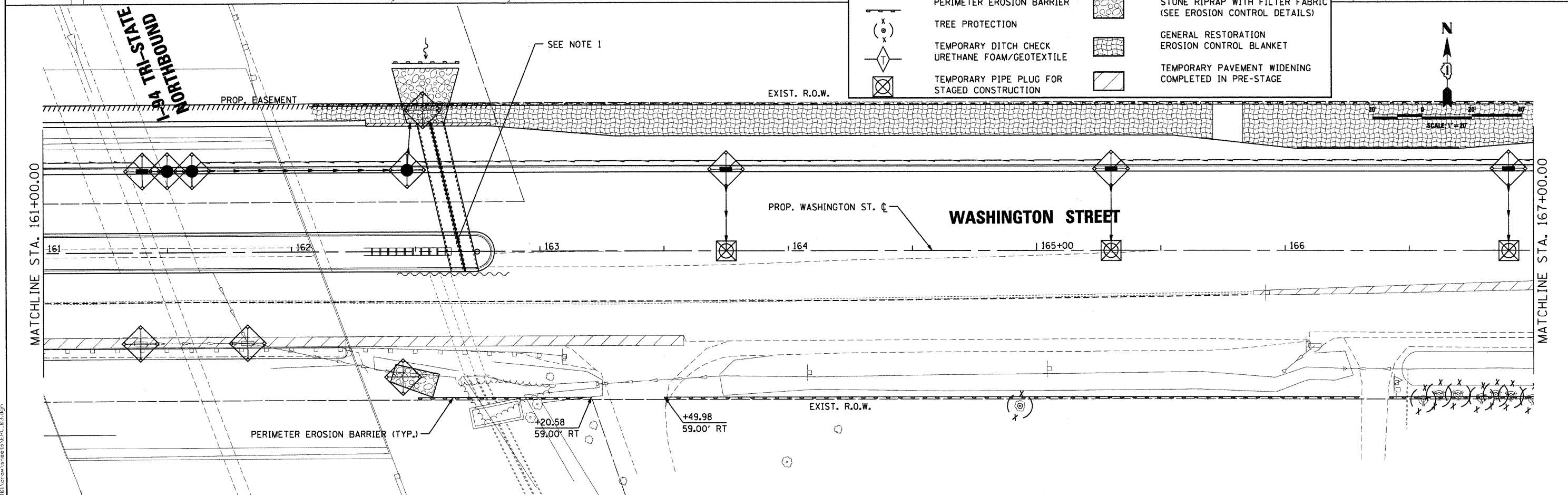
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	88
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	



- NOTES:**
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FROM THE PROPOSED BOX CULVERT TO EXISTING CULVERT REMAINING DURING STAGE 1 CONSTRUCTION. THE COST TO MAINTAIN POSITIVE DRAINAGE AND PROVIDE THE NECESSARY EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE CONTRACT PRICE FOR MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.
 - THE CONTRACTOR SHALL INSTALL TEMPORARY DRAINAGE PIPE TO MAINTAIN DRAINAGE DURING STAGE 1 CONSTRUCTION. COST ASSOCIATED WITH REMOVAL OF TEMPORARY PIPE AND FINAL PLUG/FILL OF TEMPORARY INVERT INTO CATCH BASIN AND INLET SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE INSTALLATION OF THE PROPOSED DRAINAGE STRUCTURE AND PIPE PAY ITEMS.
 - PERMANENT DRAINAGE STRUCTURES SHALL BE PRE-FABRICATED TO ACCOMODATE THE TEMPORARY PIPE INVERTS AS SHOWN ON THIS PLAN SHEET.

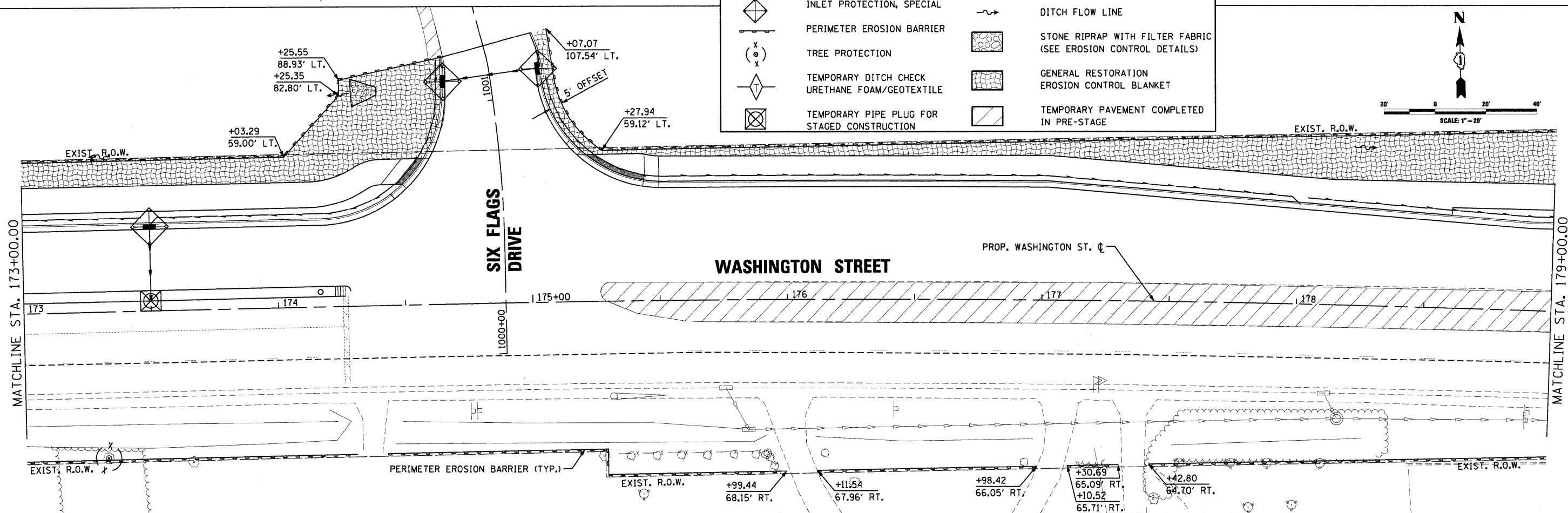
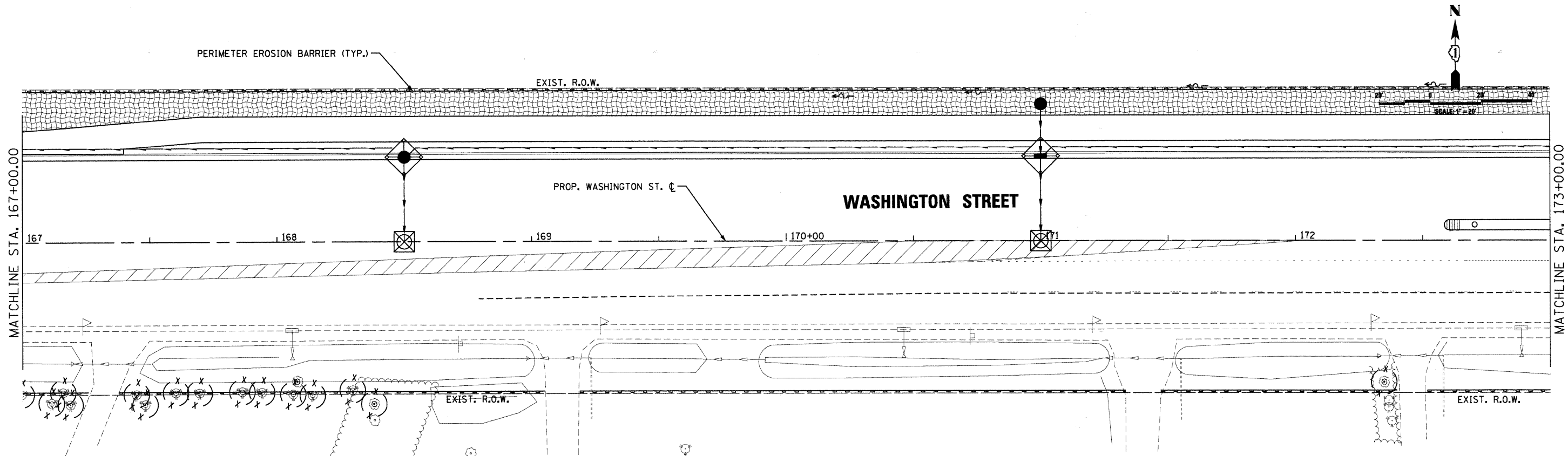
LEGEND

	INLET PROTECTION, SPECIAL		DITCH FLOW LINE
	PERIMETER EROSION BARRIER		STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	TREE PROTECTION		GENERAL RESTORATION EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK URETHANE FOAM/GEOTEXTILE		TEMPORARY PAVEMENT WIDENING COMPLETED IN PRE-STAGE
	TEMPORARY PIPE PLUG FOR STAGED CONSTRUCTION		

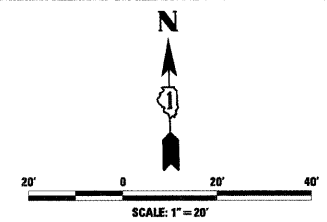


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CMT CRAWFORD, MURPHY & TOLLY, INC. CONSULTING ENGINEERS License No. 084-000613	USER NAME = Monica Crislin DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE = 07/15/09	REVISED - REVISED - REVISED - REVISED -	Lake County Division of Transportation	STAGE 1 - EROSION CONTROL PLAN		F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 89 CONTRACT NO. 63209
	SCALE: 20'=1" SHEET NO. 3 OF 5 SHEETS STA. 155+00 TO STA. 167+00			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



LEGEND	
	INLET PROTECTION, SPECIAL
	PERIMETER EROSION BARRIER
	TREE PROTECTION
	TEMPORARY DITCH CHECK
	TEMPORARY PIPE PLUG FOR STAGED CONSTRUCTION
	DITCH FLOW LINE
	STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	GENERAL RESTORATION EROSION CONTROL BLANKET
	TEMPORARY PAVEMENT COMPLETED IN PRE-STAGE



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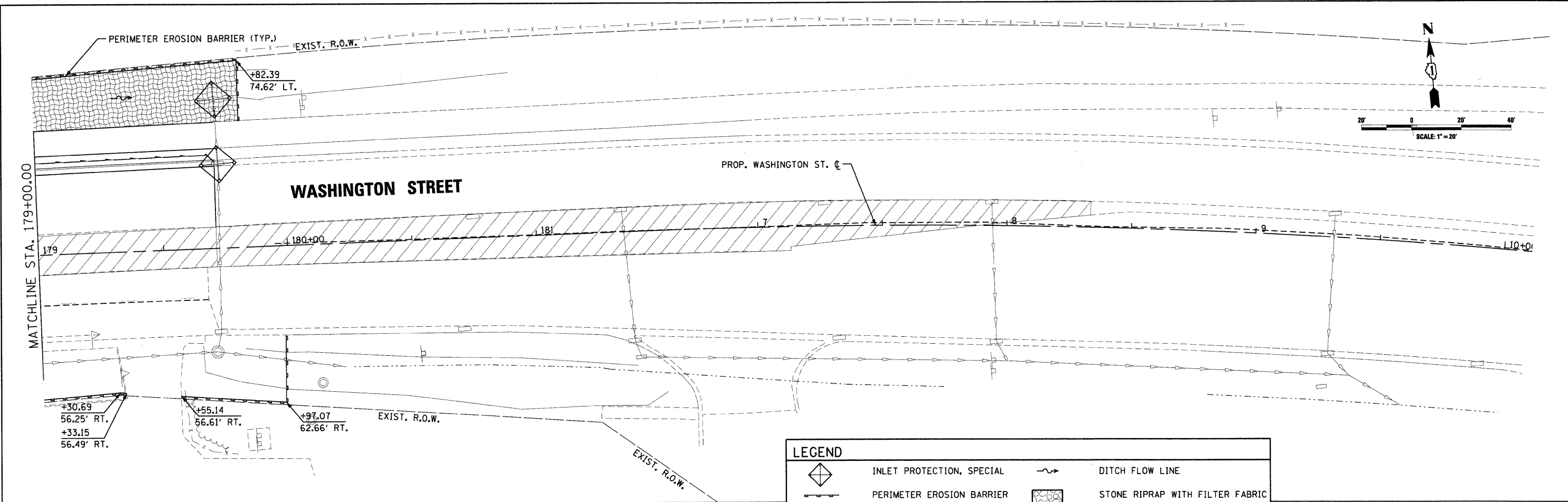
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 CONSULTING ENGINEERS
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USER NAME = Monica Crinion	DESIGNED - SJP	REVISED -
PLCT SCALE = 20,0000 "/ IN.	DRAWN - SJP	REVISED -
PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -

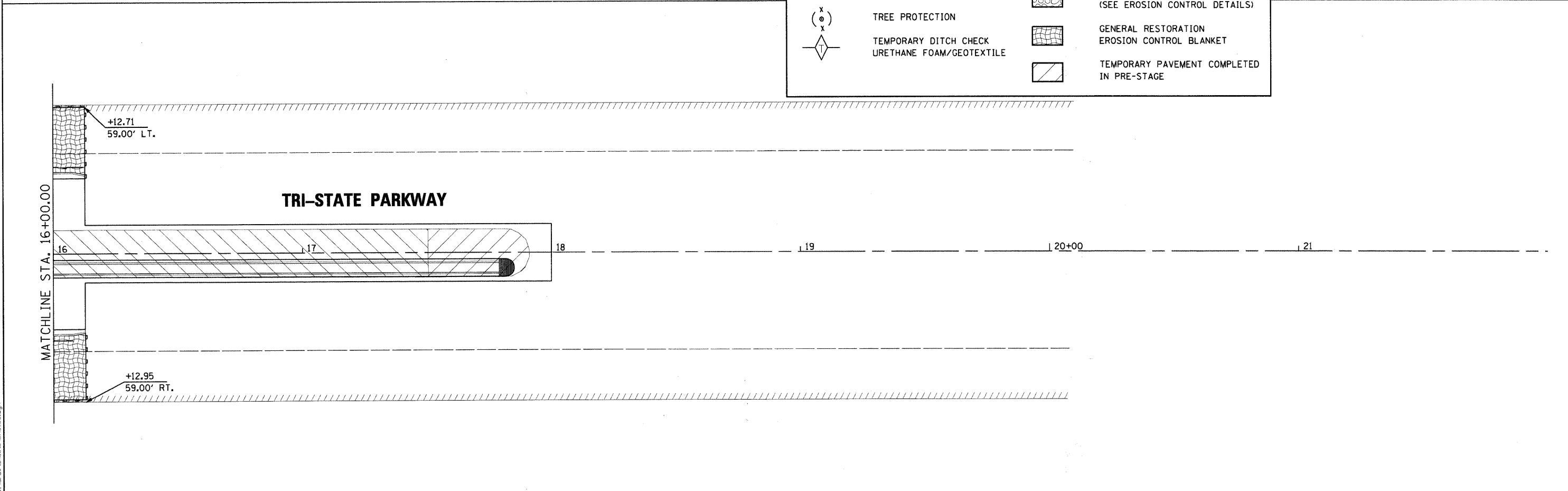
Lake County
 Division of Transportation

STAGE 1 - EROSION CONTROL PLAN	
SCALE: 20'=1"	SHEET NO. 4 OF 5 SHEETS
STA. 167+00	TO STA. 179+00

F.A. RTE. 1016	SECTION 02-00110-12-WR	COUNTY LAKE	TOTAL SHEETS 206	SHEET NO. 90
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

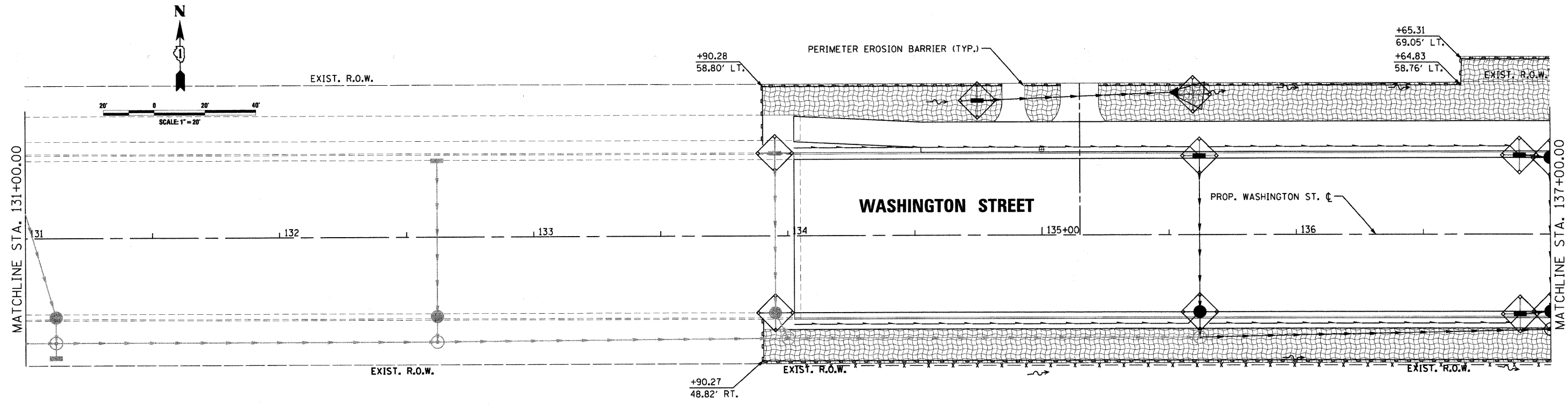


LEGEND			
	INLET PROTECTION, SPECIAL		DITCH FLOW LINE
	PERIMETER EROSION BARRIER		STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	TREE PROTECTION		GENERAL RESTORATION EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK URETHANE FOAM/GEOTEXTILE		TEMPORARY PAVEMENT COMPLETED IN PRE-STAGE

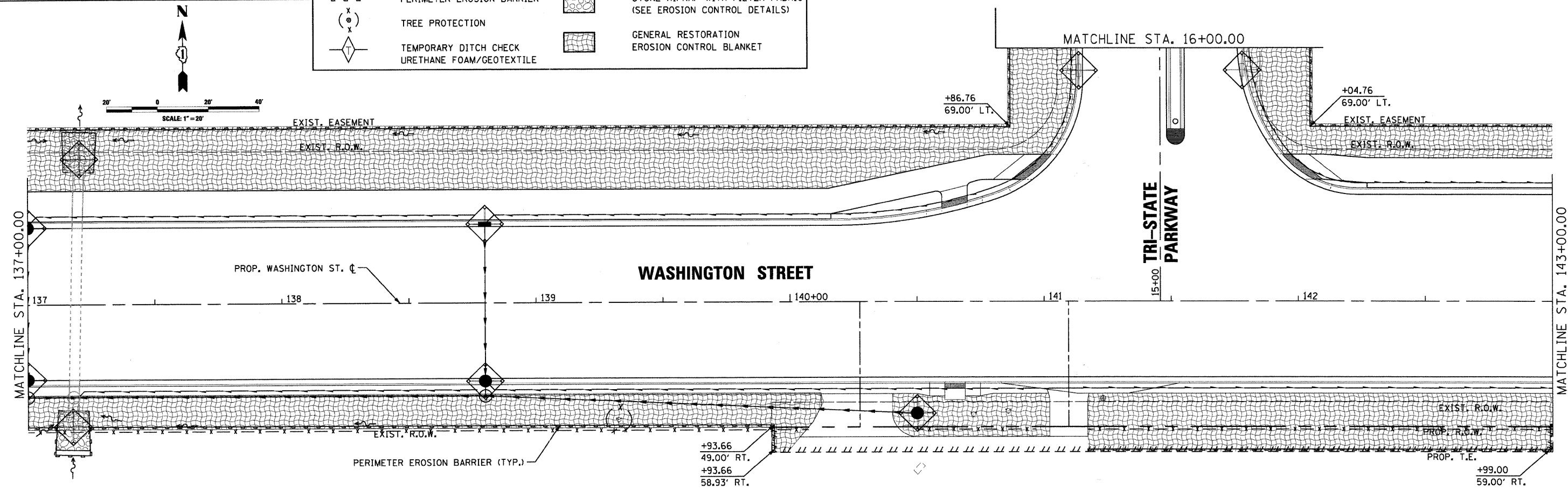


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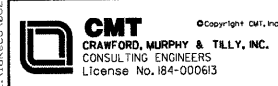
CMT <small>CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613</small>	USER NAME = Steve Prange PLOT SCALE = 28.0000" / 1" IN. PLOT DATE = 05/29/09	DESIGNED - SJP DRAWN - SJP CHECKED - KDN DATE - 05/29/09	REVISED - REVISED - REVISED - REVISED -	Lake County Division of Transportation	STAGE 1 - EROSION CONTROL PLAN SCALE: 20'=1" SHEET NO. 5 OF 5 SHEETS STA. 179+00 TO STA. 10+11.03	F.A. RTE. 1016 SECTION 02-00110-12-WR COUNTY LAKE TOTAL SHEETS 206 SHEET NO. 91 CONTRACT NO. 63209 <small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>
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LEGEND			
	INLET PROTECTION, SPECIAL		DITCH FLOW LINE
	PERIMETER EROSION BARRIER		STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	TREE PROTECTION		GENERAL RESTORATION EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK URETHANE FOAM/GEOTEXTILE		



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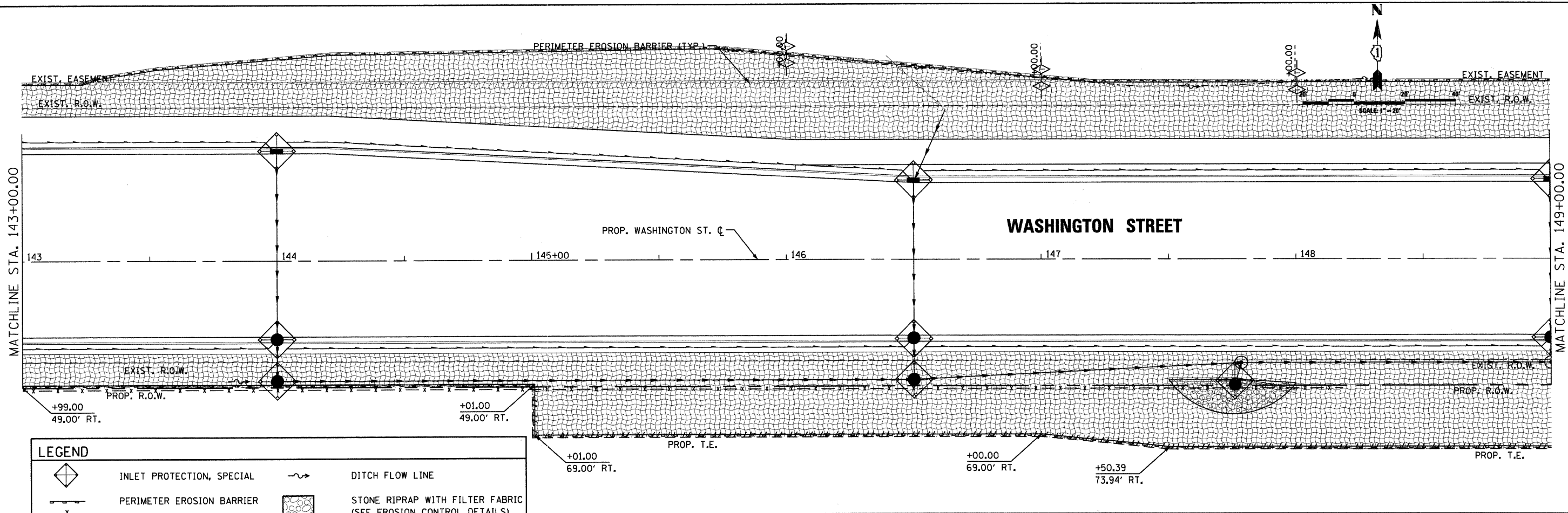


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PLOT DATE = 05/29/09	CHECKED - KDN	REVISD -
	DATE - 05/29/09	REVISD -

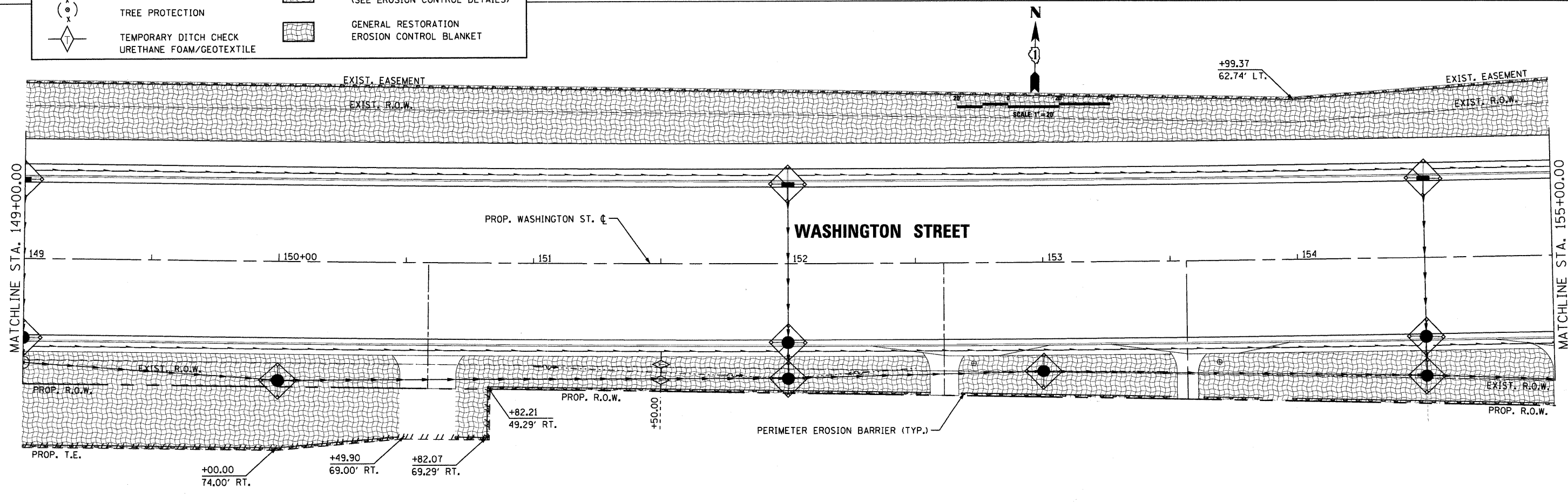


STAGE 2 - EROSION CONTROL PLAN		
SCALE: 20'=1"	SHEET NO. 1 OF 5 SHEETS	STA. 131+00 TO STA. 143+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	91A
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND	
	INLET PROTECTION, SPECIAL
	PERIMETER EROSION BARRIER
	TREE PROTECTION
	TEMPORARY DITCH CHECK URETHANE FOAM/GEOTEXTILE
	DITCH FLOW LINE
	STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	GENERAL RESTORATION EROSION CONTROL BLANKET



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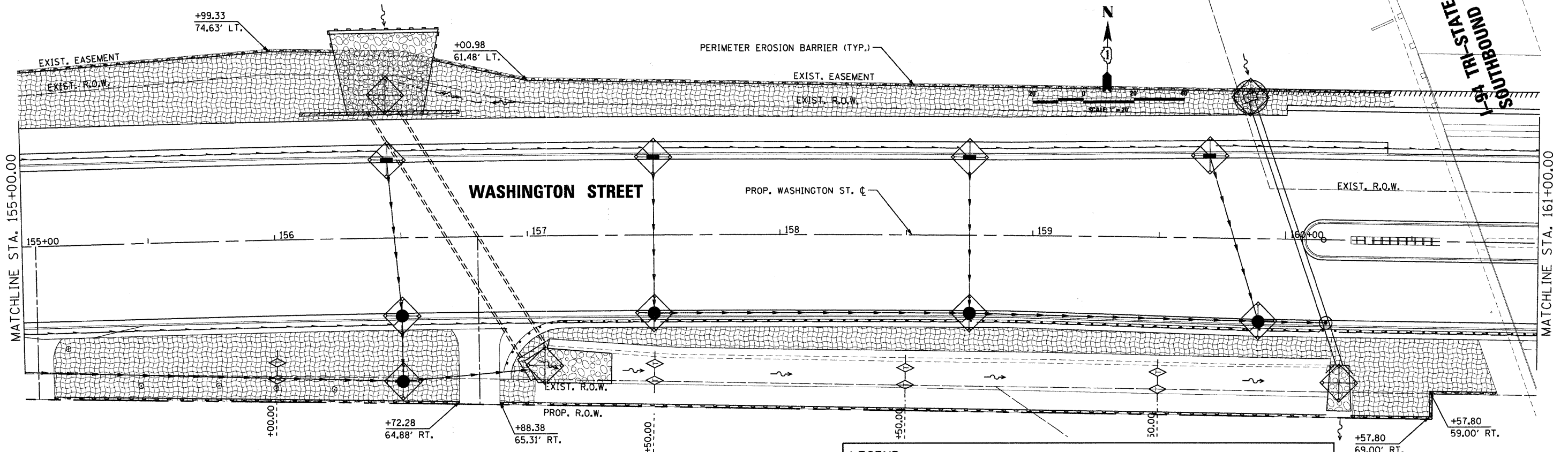
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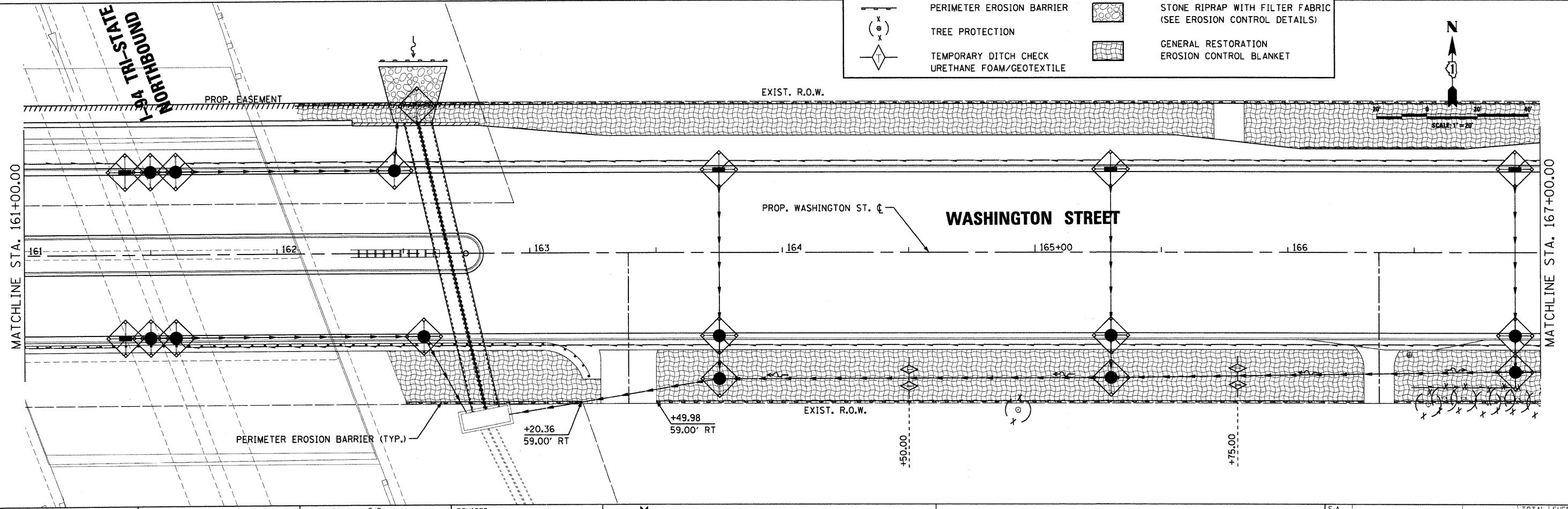
STAGE 2 - EROSION CONTROL PLAN

SCALE: 20'=1" SHEET NO. 2 OF 5 SHEETS STA. 143+00 TO STA. 155+00

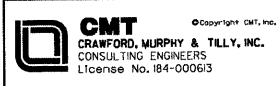
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	91B
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND	
	INLET PROTECTION, SPECIAL
	PERIMETER EROSION BARRIER
	TREE PROTECTION
	TEMPORARY DITCH CHECK
	URETHANE FOAM/GEOTEXTILE
	DITCH FLOW LINE
	STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	GENERAL RESTORATION EROSION CONTROL BLANKET



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USER NAME = Monica Crivian
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 PLOT DATE = 07/15/09

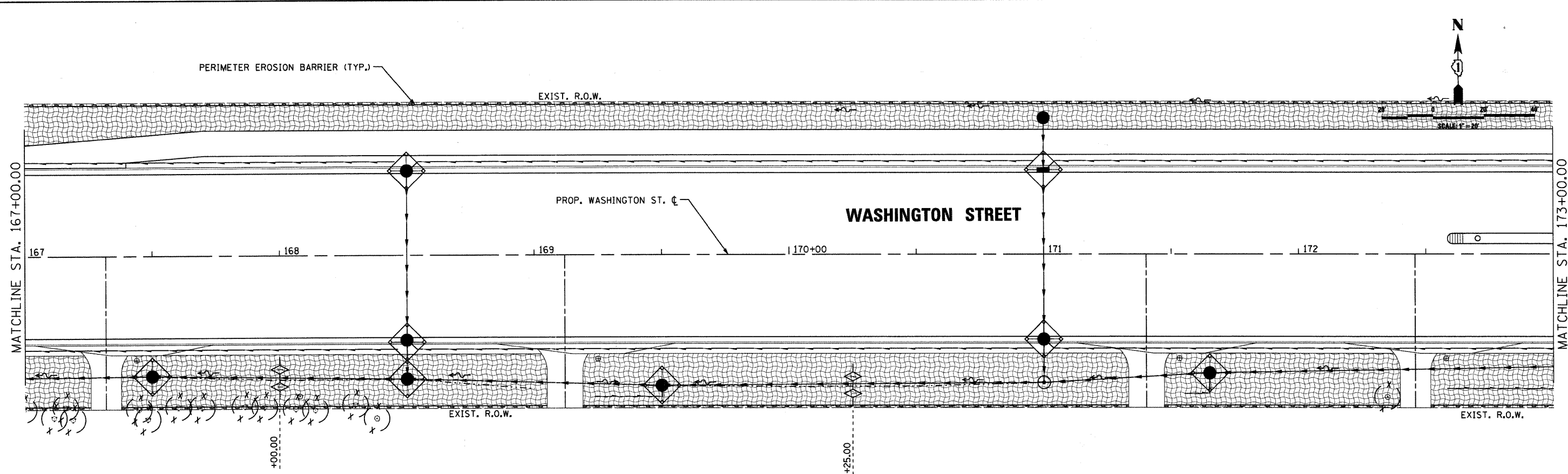
DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 07/15/09

REVISED -
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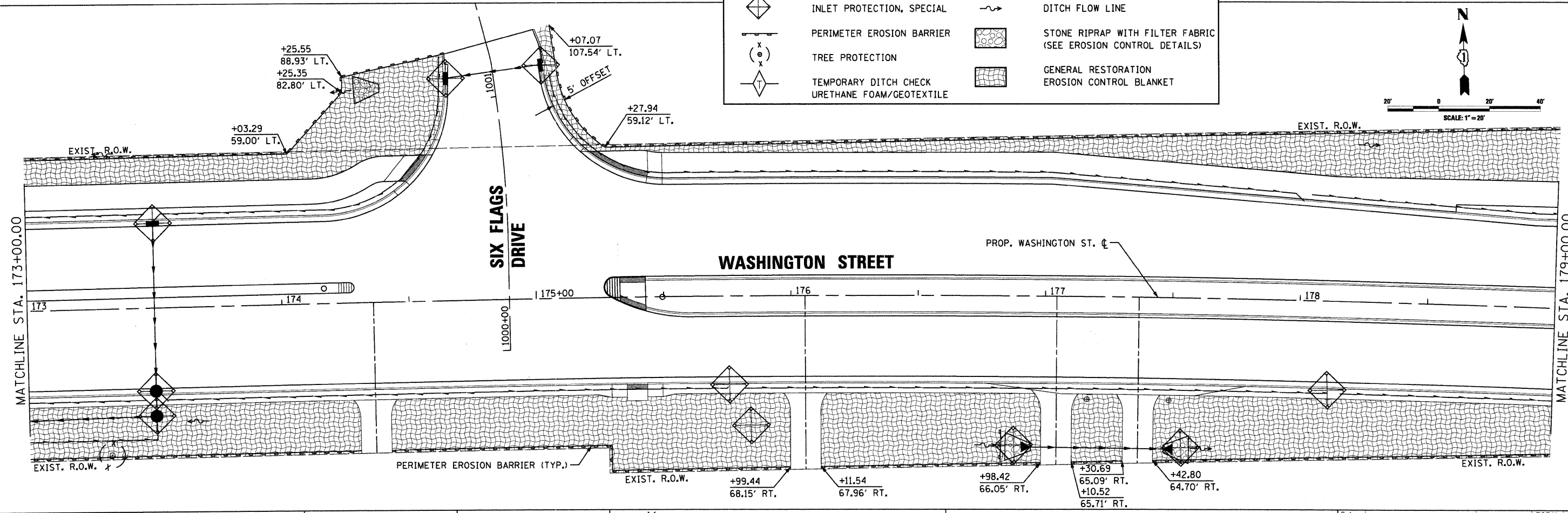
STAGE 2 - EROSION CONTROL PLAN
 SCALE: 20'=1" SHEET NO. 3 OF 5 SHEETS STA. 155+00 TO STA. 167+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	91C
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

	INLET PROTECTION, SPECIAL		DITCH FLOW LINE
	PERIMETER EROSION BARRIER		STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	TREE PROTECTION		GENERAL RESTORATION EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK URETHANE FOAM/GEOTEXTILE		



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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

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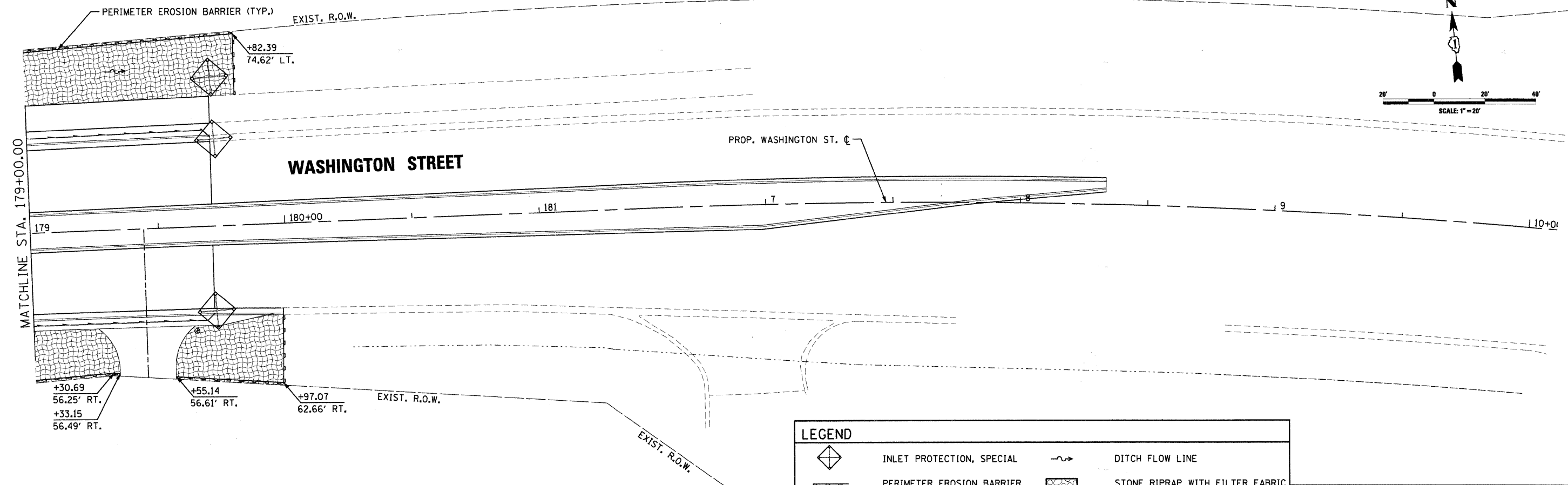
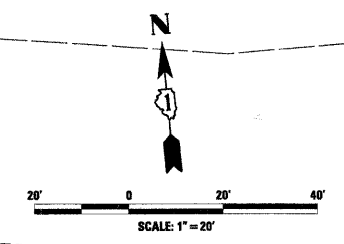
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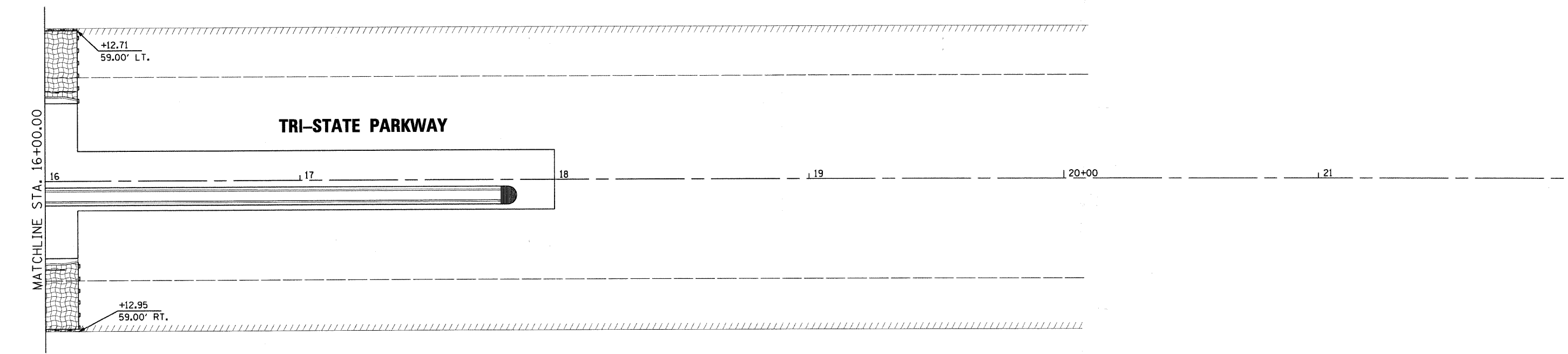
LakeCounty
 Division of Transportation

STAGE 2 - EROSION CONTROL PLAN
 SCALE: 20'=1" SHEET NO. 4 OF 5 SHEETS STA. 167+00 TO STA. 179+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	91D
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND	
	TEMPORARY DITCH CHECK URETHANE FOAM/GEOTEXTILE
	TREE PROTECTION
	PERIMETER EROSION BARRIER
	INLET PROTECTION, SPECIAL
	DITCH FLOW LINE
	STONE RIPRAP WITH FILTER FABRIC (SEE EROSION CONTROL DETAILS)
	GENERAL RESTORATION EROSION CONTROL BLANKET



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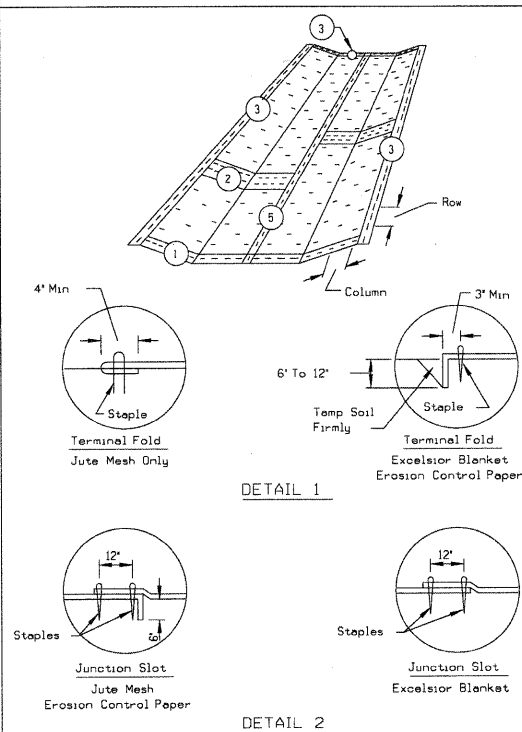
CMT CRAWFORD, MURPHY & TULLY, INC. CONSULTING ENGINEERS License No. 04-000613	USER NAME = Steve Prange	DESIGNED - SJP	REVISED -
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	PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
		DATE - 05/29/09	REVISED -



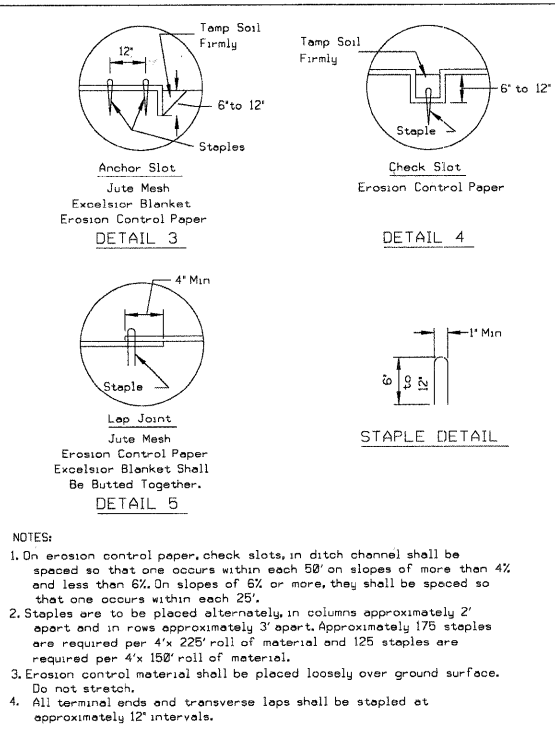
STAGE 2 - EROSION CONTROL PLAN	
SCALE: 20'=1"	SHEET NO. 5 OF 5 SHEETS
STA. 179+00	TO STA. 10+11.03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	91E
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EROSION BLANKET PLAN

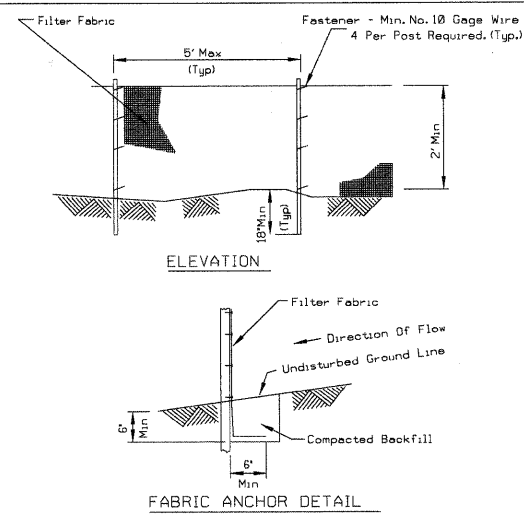


EROSION BLANKET PLAN



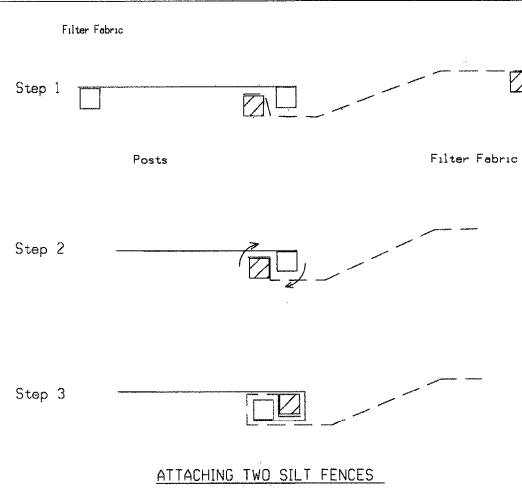
NOTES:
 1. On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
 2. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4' x 225' roll of material and 125 staples are required per 4' x 150' roll of material.
 3. Erosion control material shall be placed loosely over ground surface. Do not stretch.
 4. All terminal ends and transverse laps shall be stapled at approximately 12' intervals.

SILT FENCE PLAN



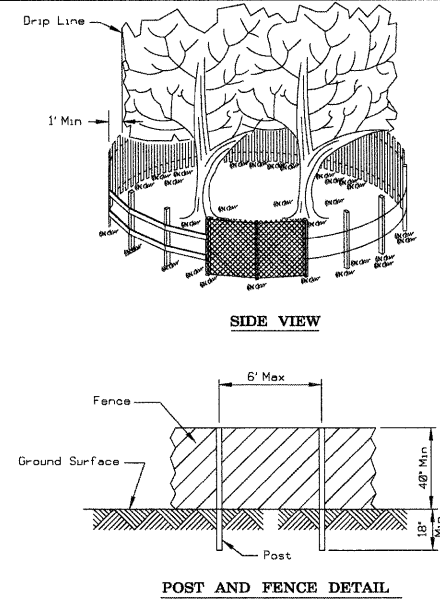
NOTES:
 1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

SILT FENCE



NOTES:
 Place the end post of the second fence inside the end post of the first fence.
 Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 Drive both posts a minimum of 18 inches into the ground and bury the flap.

TREE PROTECTION - FENCING



NOTES:
 1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
 2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
 3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-530
 SHEET 1 OF 2
 DATE 8-24-94

REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-530
 SHEET 2 OF 2
 DATE 3-1-95

REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-620
 SHEET 1 OF 2
 DATE 11-28-81

REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

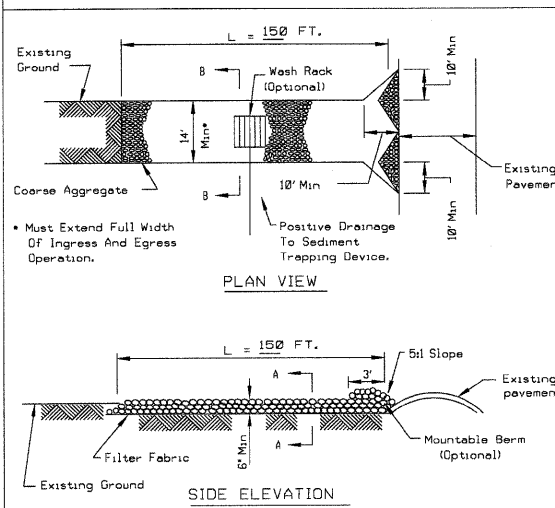
STANDARD DWG. NO. IL-620(W)
 SHEET 2 OF 2
 DATE 1-29-99

REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-690
 SHEET 1 OF 1
 DATE 6-7-84

STABILIZED CONSTRUCTION ENTRANCE PLAN



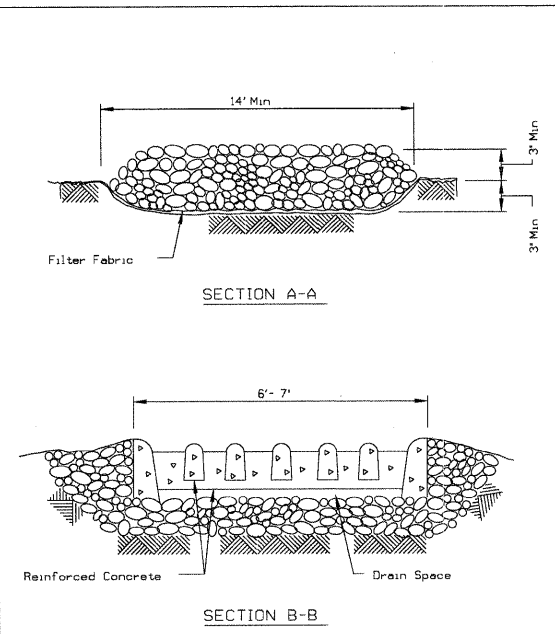
NOTES:
 1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 3. Any drainage facilities required because of washing shall be constructed according to manufacturer's specifications.
 4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-630
 SHEET 1 OF 2
 DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



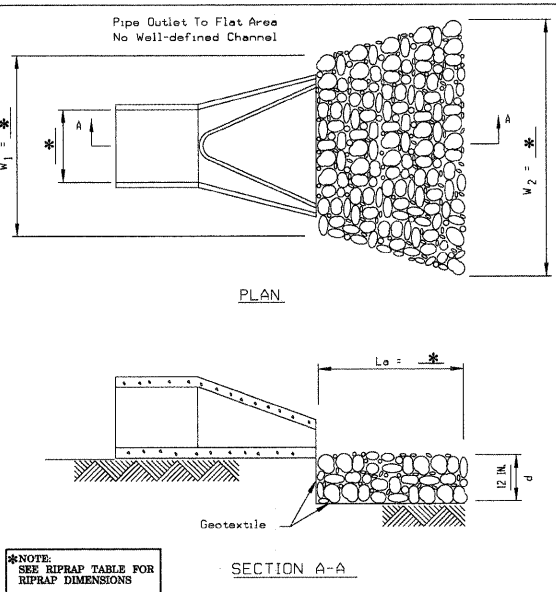
NOTES:
 1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation: RR-#3, Quality _____
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-630
 SHEET 2 OF 2
 DATE 8-18-94

PIPE OUTLET TO FLAT AREA



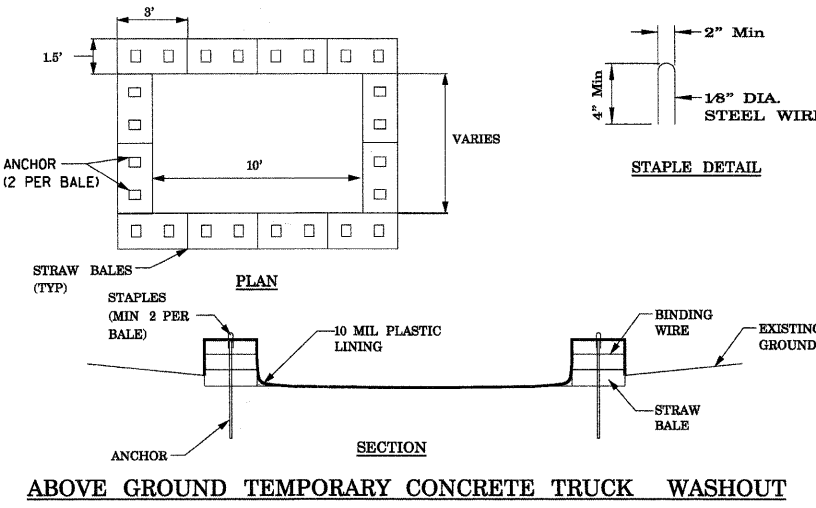
NOTE: SEE RIPRAP TABLE FOR RIPRAP DIMENSIONS

NOTES:
 1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation: RR-#3, Quality _____
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

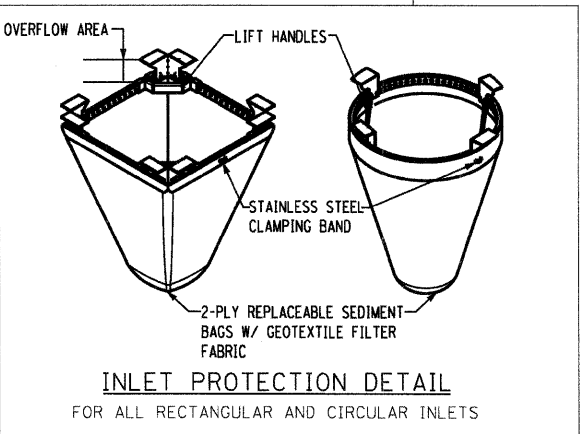
NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-610
 SHEET 1 OF 1
 DATE 9-15-93



RIPRAP LAYOUT TABLE

STRUCTURE LOC.	W1 (FT)	W2 (FT)	LA (FT)
STA. 135+28, LT	3	11	10
STA. 137+20, LT	12	13.6	16
STA. 137+18, RT	12	13.6	16
STA. 147+77, RT	56.4 SQ YD AREA		
STA. 156+00, LT	3	11	10
STA. 156+46, LT	30	42.8	32
STA. 157+04, RT	44.8 SQ YD AREA		
STA. 159+85, LT	15.2 SQ YD AREA		
STA. 160+22, RT	7.5	9.7	18
STA. 162+54, LT	15	2.7	22
STA. 174+40, LT	3	11	10
STA. 176+94, RT	3	11	10
STA. 177+47, RT	3	11	10



INLET PROTECTION DETAIL
 FOR ALL RECTANGULAR AND CIRCULAR INLETS

NOTE: SEE LAKE COUNTY STD. DETAIL NO. LC2050 FOR URETHANE FOAM/GEOTEXTILE INSTALLATION

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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 04-00063

USER NAME = Steve Prange

DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KDN
 DATE - 05/29/09

REVISED -
 REVISED -
 REVISED -
 REVISED -

Lake County
 Division of Transportation

EROSION CONTROL DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	92

CONTRACT NO. 63209
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING TRAFFIC SIGNAL HEAD TO BE REMOVED
- EXISTING TRAFFIC SIGNAL HEAD WITH BACK PLATE TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING IMAGE SENSOR TO BE REMOVED
- EXISTING TEMPORARY WOOD POLE WITH LUMINAIRE AND MAST TO BE REMOVED
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING DOME PAN/TILT/ZOOM (PTZ) CAMERA TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING SPAN WIRE, TETHER WIRE, AND CABLE TO BE REMOVED

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- PEDESTRIAN PUSH BUTTON DETECTOR
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE AND MAST (MOUNTED ON WOOD POLE)
- IMAGE SENSOR
- DOME PAN/TILT/ZOOM (PTZ) CAMERA

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE COUNTY AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS OR AS DIRECTED BY THE COUNTY TRAFFIC ENGINEER.

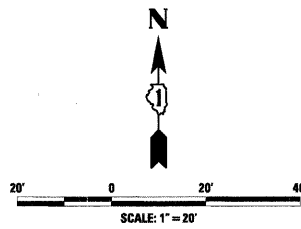
- LAKE COUNTY DIVISION OF TRANSPORTATION
- 1 EACH CONTROLLER AND CABINET COMPLETE
 - 1 EACH VIDEO VEHICLE DETECTION SYSTEM, COMPLETE
 - 6 EACH 1-FACE 3-SECTION SIGNAL HEAD
 - 4 EACH 1-FACE 4-SECTION SIGNAL HEAD
 - 2 EACH 1-FACE 5-SECTION SIGNAL HEAD
 - 1 EACH 1-FACE PEDESTRIAN SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

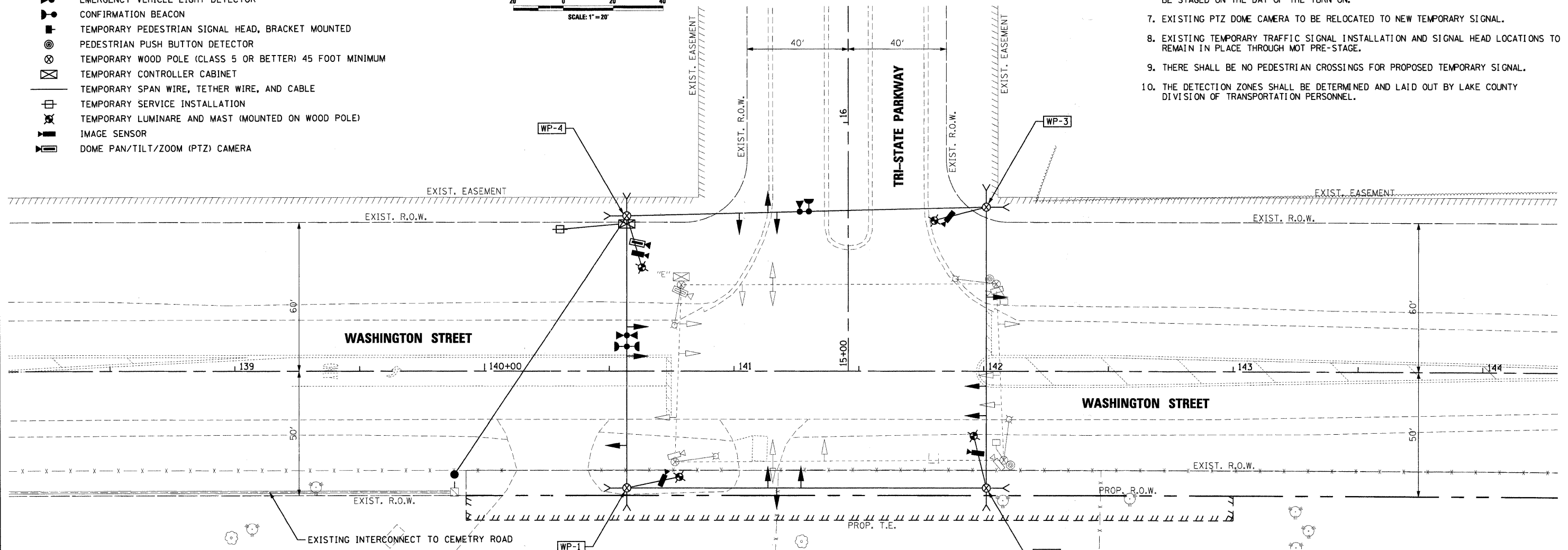
- 2 EACH PEDESTRIAN PUSH BUTTON
- 4 EACH TEMPORARY WOOD POLE WITH LUMINAIRE AND MAST
- 1 EACH SERVICE INSTALLATION

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY ECONOLITE CONTROLLERS SUPPLIED BY ONE OF THE COUNTY APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY THE COUNTY, INSTALLED IN A NEMA TS1 OR TS2 CABINET.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED IN THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND/CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. EXISTING PTZ DOME CAMERA TO BE RELOCATED TO NEW TEMPORARY SIGNAL.
8. EXISTING TEMPORARY TRAFFIC SIGNAL INSTALLATION AND SIGNAL HEAD LOCATIONS TO REMAIN IN PLACE THROUGH MOT PRE-STAGE.
9. THERE SHALL BE NO PEDESTRIAN CROSSINGS FOR PROPOSED TEMPORARY SIGNAL.
10. THE DETECTION ZONES SHALL BE DETERMINED AND LAID OUT BY LAKE COUNTY DIVISION OF TRANSPORTATION PERSONNEL.



SIGNAL HEAD LOCATIONS FOR EACH CONSTRUCTION STAGE ARE SHOWN ON SHEET 94.



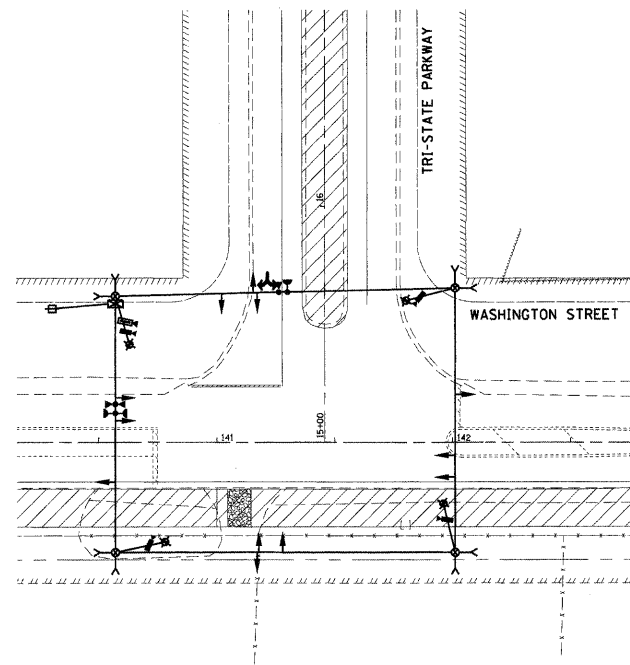
SCOPE OF WORK
 TEMPORARY SIGNAL WITH TEMPORARY INTERCONNECT.
 REMOVE EXISTING SIGNAL EQUIPMENT.
 EXISTING PTZ DOME CAMERA TO BE RELOCATED TO NEW TEMPORARY SIGNAL.

• THE CONTRACTOR SHALL PROVIDE BRACING FOR THE TEMPORARY SIGNAL POLE DURING CONSTRUCTION OF PROPOSED DRAINAGE STRUCTURE NO. 13. THE COST ASSOCIATED WITH BRACING SHALL BE INCLUDED IN THE CONTRACT PRICE FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION".

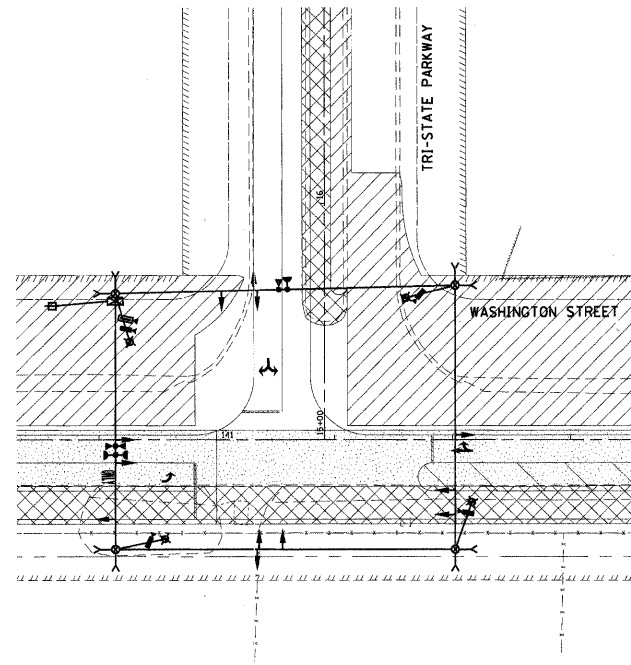
STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
WP-1	140+57	47' RT	PROPOSED STORM SEWER
WP-2	142+01	47' RT	NONE
WP-3	142+01	66' LT	NONE
WP-4	140+57	63' LT	COMED

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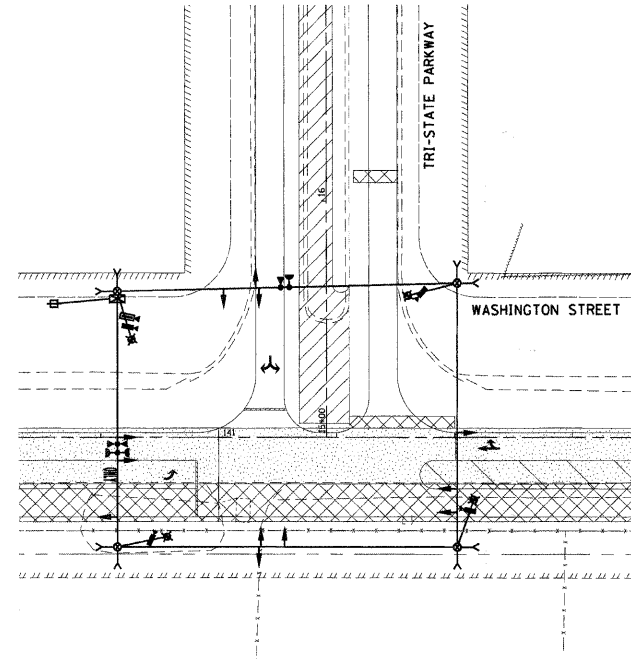
CONSTRUCTION STAGING - PRE STAGE



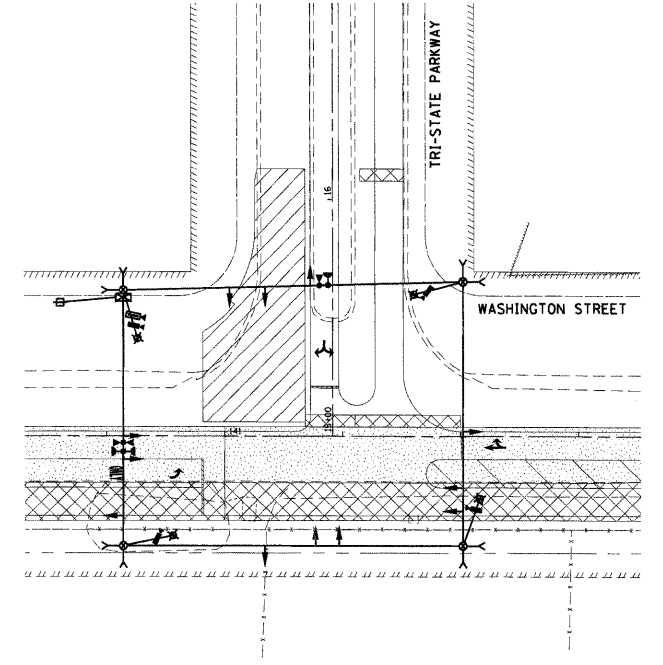
CONSTRUCTION STAGING - STAGE 1A



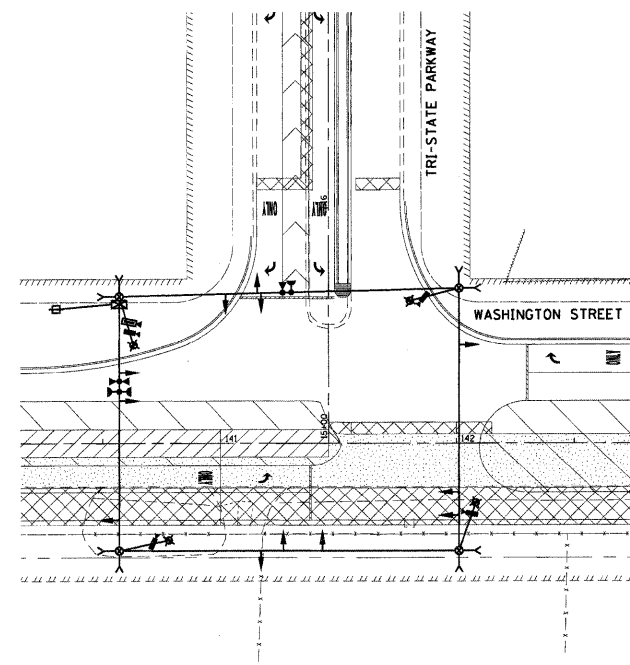
CONSTRUCTION STAGING - STAGE 1B



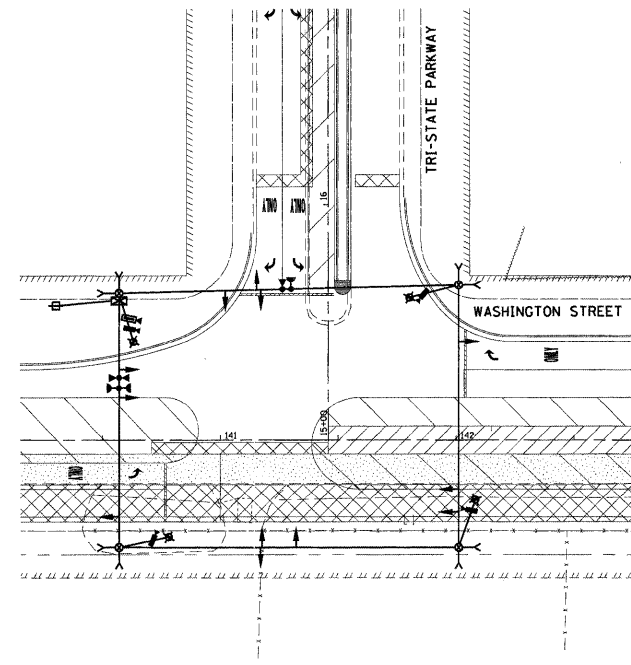
CONSTRUCTION STAGING - STAGE 1C



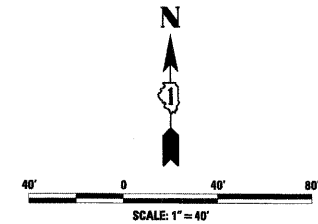
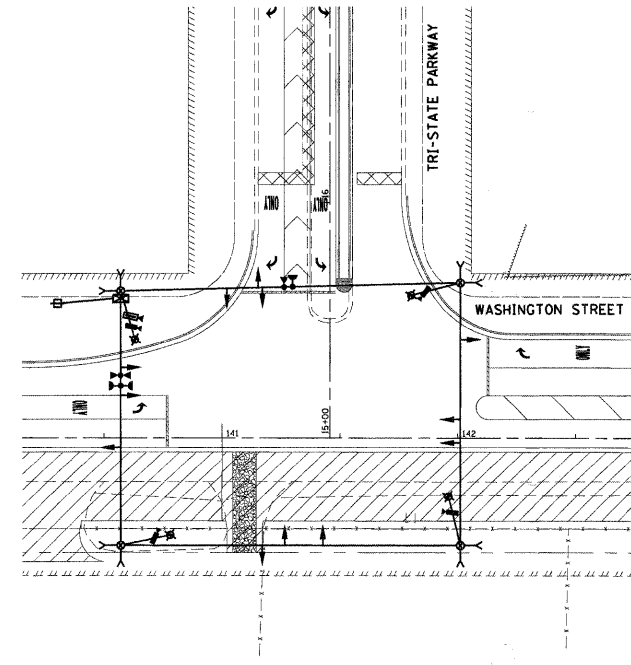
CONSTRUCTION STAGING - STAGE 2A



CONSTRUCTION STAGING - STAGE 2B



CONSTRUCTION STAGING - STAGE 2C



TEMPORARY TRAFFIC SIGNAL LEGEND

- ← TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED
- ▶ EMERGENCY VEHICLE LIGHT DETECTOR
- ▶ CONFIRMATION BEACON
- ▶ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- PEDESTRIAN PUSH BUTTON DETECTOR
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- ☒ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊕ TEMPORARY SERVICE INSTALLATION
- ⊗ TEMPORARY LUMINARE AND MAST (MOUNTED ON WOOD POLE)
- IMAGE SENSOR
- DOME PAN/TILT/ZOOM (PTZ) CAMERA
- ▨ WORK AREA
- ▩ TEMPORARY PAVEMENT
- ▧ EXISTING PAVEMENT - MILLED AND RESURFACED

FILE NAME: J:\Lake\63209\63209.dwg
 USER: J:\Lake\63209\63209.dwg
 PLOT DATE: 05/29/09



USER NAME = Steve Prange	DESIGNED - CMC	REVISED -
PLOT SCALE = 40,0000' / IN.	DRAWN - CMC	REVISED -
PLOT DATE = 05/29/09	CHECKED - KDN	REVISED -
	DATE - 05/29/09	REVISED -



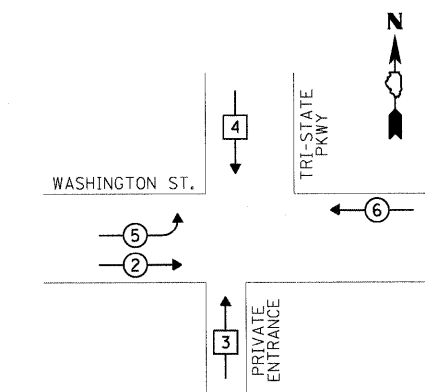
WASHINGTON STREET - TEMPORARY SIGNAL PLAN
WASHINGTON STREET AT TRI-STATE PARKWAY

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	94
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	

TEMPORARY CABLE PLAN LEGEND

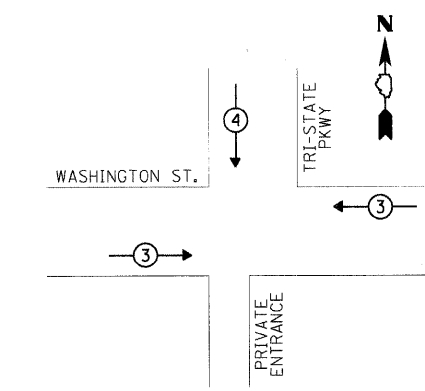
- R 12" TEMPORARY TRAFFIC SIGNAL SECTION
- P 12" PEDESTRIAN SIGNAL SECTION
- C TEMPORARY CONTROLLER CABINET
- S TEMPORARY SERVICE INSTALLATION
- T TELEPHONE DROP
- V VEHICLE DETECTOR, INDUCTION LOOP
- E EMERGENCY VEHICLE LIGHT DETECTOR
- B CONFIRMATION BEACON
- P PEDESTRIAN PUSHBUTTON
- ⑤ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NO. 14 WIRE UNLESS OTHERWISE NOTED.
- L LUMINAIRE
- C DOME PAN/TILT/ZOOM (PTZ) CAMERA
- I IMAGE SENSOR
- # COAXIAL CABLE (BELDEN 8281) NO. 20



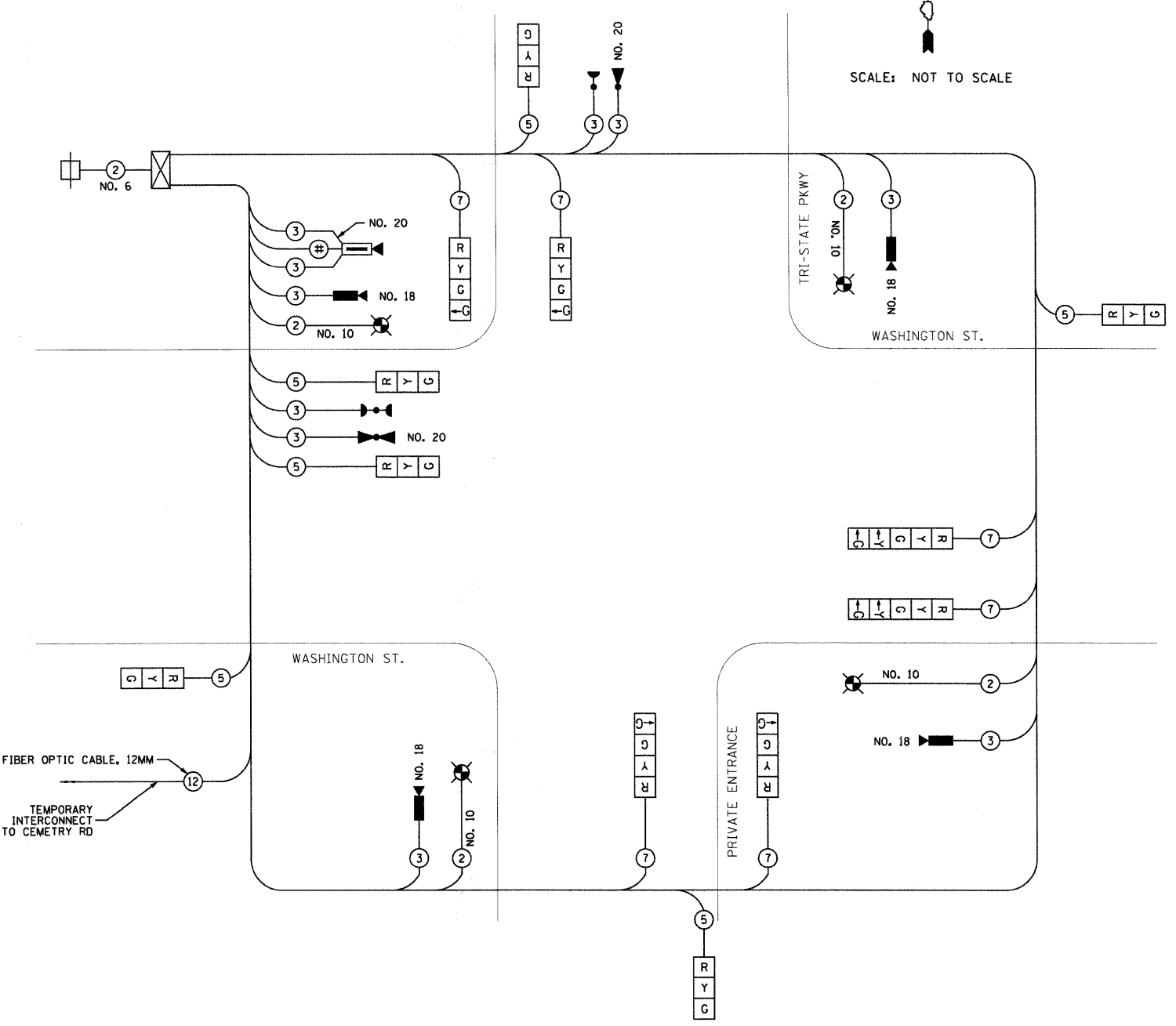
TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY PHASE DESIGNATION DIAGRAM LEGEND

- V VEHICULAR MOVEMENT - DUAL ENTRY PHASE
- V VEHICULAR MOVEMENT - SINGLE ENTRY PHASE
- P PEDESTRIAN MOVEMENT
- O OVERLAP MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN
NOT TO SCALE

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		%	
		INCAND.	LED	OPERATION	
SIGNAL (RED)	12	—	10	0.50	60
(YELLOW)	12	—	19	0.10	23
(GREEN)	12	—	11	0.40	53
ARROW	8	—	9	0.10	8
PED SIGNAL	—	—	9	1.00	—
CONTROLLER	1	—	100	1.00	100
VIDEO SYSTEM	1	—	150	1.00	150
LUMINAIRE	4	—	250	0.50	500
L.E.D. ST. SIGNS	—	—	64	0.50	—
BATTERY BACKUP	—	—	25	1.00	—
TOTAL =					894

TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	←	↑	↓

FOUNDATION (DEPTH)	FT.	CABLE SLACK	FT.	VERTICAL	FT.
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20+L-2=
E - MAST ARM POLE	15	SIGNAL POST	2	BRACKET MOUNTED	13
		CONTROLLER CABINET	1	PEDESTRIAN PUSHBUTTON	4
		FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	

ENERGY COSTS TO: LAKE COUNTY DIVISION OF TRANSPORTATION
600 WINCHESTER ROAD
LIBERTYVILLE, IL 60048

ENERGY SUPPLY: CONTACT: MS. TERRI BLECK
PHONE: (847) 816-5234
COMPANY: COMED

USER NAME = Steve Prange
DESIGNED - CMC
DRAWN - CMC
CHECKED - KDN
DATE - 05/29/09

REVISIONS:
REVISED -
REVISED -
REVISED -
REVISED -



WASHINGTON STREET - TEMPORARY CABLE PLAN
WASHINGTON STREET AT TRI-STATE PARKWAY

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	95

CONTRACT NO. 63209
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

FILE NAME: I:\Lakeco\0822401\dr-aw\Sheets\TS-073.dgn

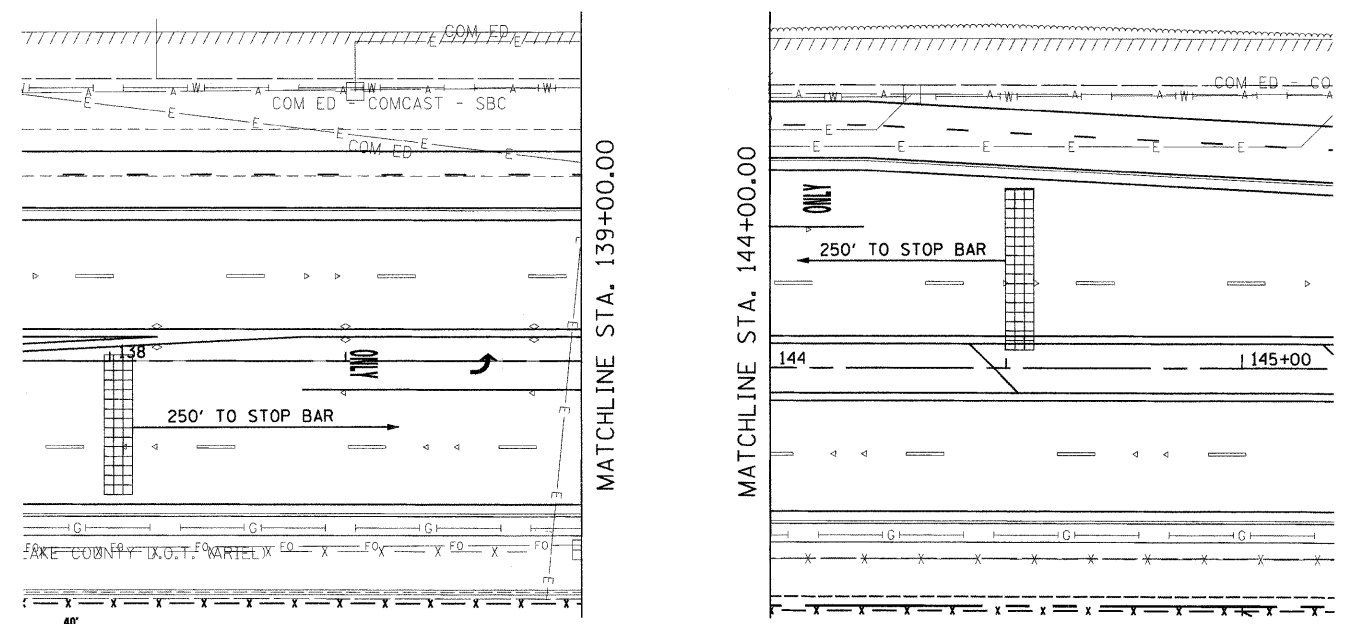
TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
UNIT DUCT		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
UNINTERRUPTABLE POWER SUPPLY		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)		
PEDESTRIAN PUSH BUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		
IMAGE SENSOR		
DOMED PAN/TILT/ZOOM (PTZ) CAMERA		
L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN		
VIDEO DETECTOR ZONE (APPROXIMATE LOCATION)		

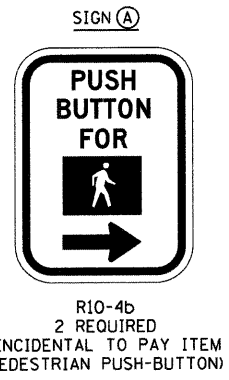
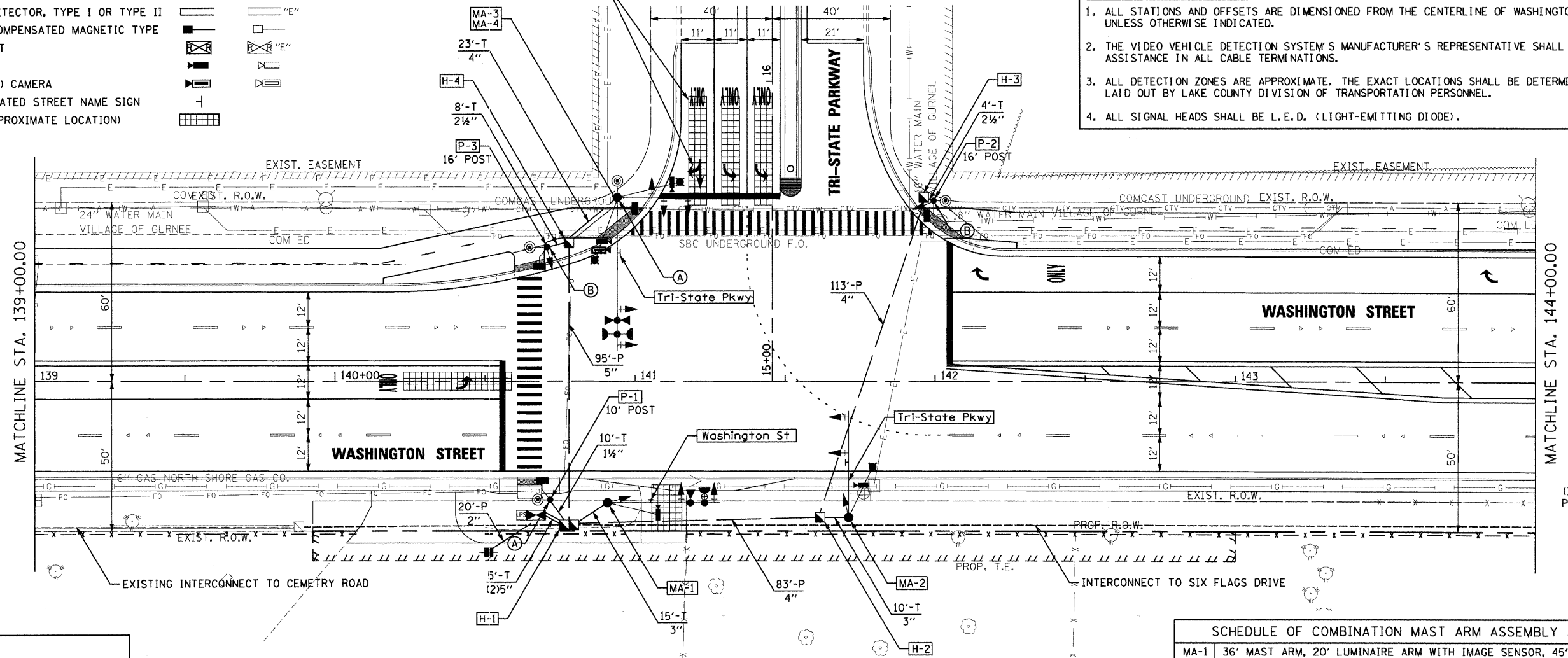
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA WILL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION WILL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
H-1	140+78	48' RT	NONE
H-2	141+62	46' RT	NONE
H-3	141+96	61' LT	18" WATERMAIN, CTV
H-4	140+78	46' LT	FIBER OPTIC
P-1	140+72	40' RT	NONE
P-2	142+00	60' LT	18" WATERMAIN, CTV
P-3	140+71	45' LT	NONE
MA-1	140+91	41' RT	NONE
MA-2	141+71	46' RT	NONE
MA-3/MA-4	140+94	61' LT	18" WATERMAIN, CTV

PAVEMENT MARKING SYMBOLS SHOWN FOR INFORMATION (SEE PAVEMENT MARKING PLAN SHEETS FOR PROPOSED LOCATIONS)



- TRAFFIC SIGNAL NOTES**
1. ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF WASHINGTON STREET UNLESS OTHERWISE INDICATED.
 2. THE VIDEO VEHICLE DETECTION SYSTEM'S MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE ASSISTANCE IN ALL CABLE TERMINATIONS.
 3. ALL DETECTION ZONES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY LAKE COUNTY DIVISION OF TRANSPORTATION PERSONNEL.
 4. ALL SIGNAL HEADS SHALL BE L.E.D. (LIGHT-EMITTING DIODE).

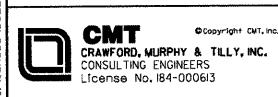


SCOPE OF WORK
 TEMPORARY SIGNAL.
 REMOVE EXISTING SIGNAL.
 INSTALL NEW SIGNAL WITH AUTOSCOPE AND PTZ CAMERAS AND FIBER OPTIC INTERCONNECT.

SCHEDULE OF COMBINATION MAST ARM ASSEMBLY AND POLES

MA-1	36' MAST ARM, 20' LUMINAIRE ARM WITH IMAGE SENSOR, 45' MOUNTING HEIGHT
MA-2	34' MAST ARM, 20' LUMINAIRE ARM WITH IMAGE SENSOR, 45' MOUNTING HEIGHT
MA-3/MA-4	MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT AND 24 FT (SPECIAL), 20' DUAL LUMINAIRE ARM WITH IMAGE SENSOR, 45' MOUNTING HEIGHT

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USER NAME = Steve Prange	DESIGNED - CMC	REVISD -
DESIGNED - CMC	DRAWN - CMC	REVISD -
DESIGNED - CMC	CHECKED - KDN	REVISD -
DESIGNED - CMC	DATE - 05/29/09	REVISD -

DESIGNED - CMC	REVISD -
DRAWN - CMC	REVISD -
CHECKED - KDN	REVISD -
DATE - 05/29/09	REVISD -



WASHINGTON STREET - TRAFFIC SIGNAL PLAN
WASHINGTON STREET AT TRI-STATE PARKWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	96
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

ITEM	UNIT	QUANTITY
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1/C NO. 10	FOOT	617
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	3
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,058
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,132
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	663
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,471
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	35
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 24 FT. (SPECIAL)	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	9
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	12
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	25
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	23
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	196
CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	95
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	746
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	311
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	214
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 3C	FOOT	214
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	2
L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	3
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
UNINTERRUPTABLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, NO. 18 3C, VIDEO	FOOT	722
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	11	—	10	0.50	55
(YELLOW)	11	—	19	0.10	21
(GREEN)	11	—	11	0.40	49
ARROW	16	—	9	0.10	15
PED SIGNAL	4	—	9	1.00	36
CONTROLLER	1	—	100	1.00	100
VIDEO SYSTEM	1	—	150	1.00	150
LUMINAIRE	4	—	250	0.50	500
L.E.D. ST. SIGNS	4	—	64	0.50	128
BATTERY BACKUP	1	—	25	1.00	25
TOTAL =					1079

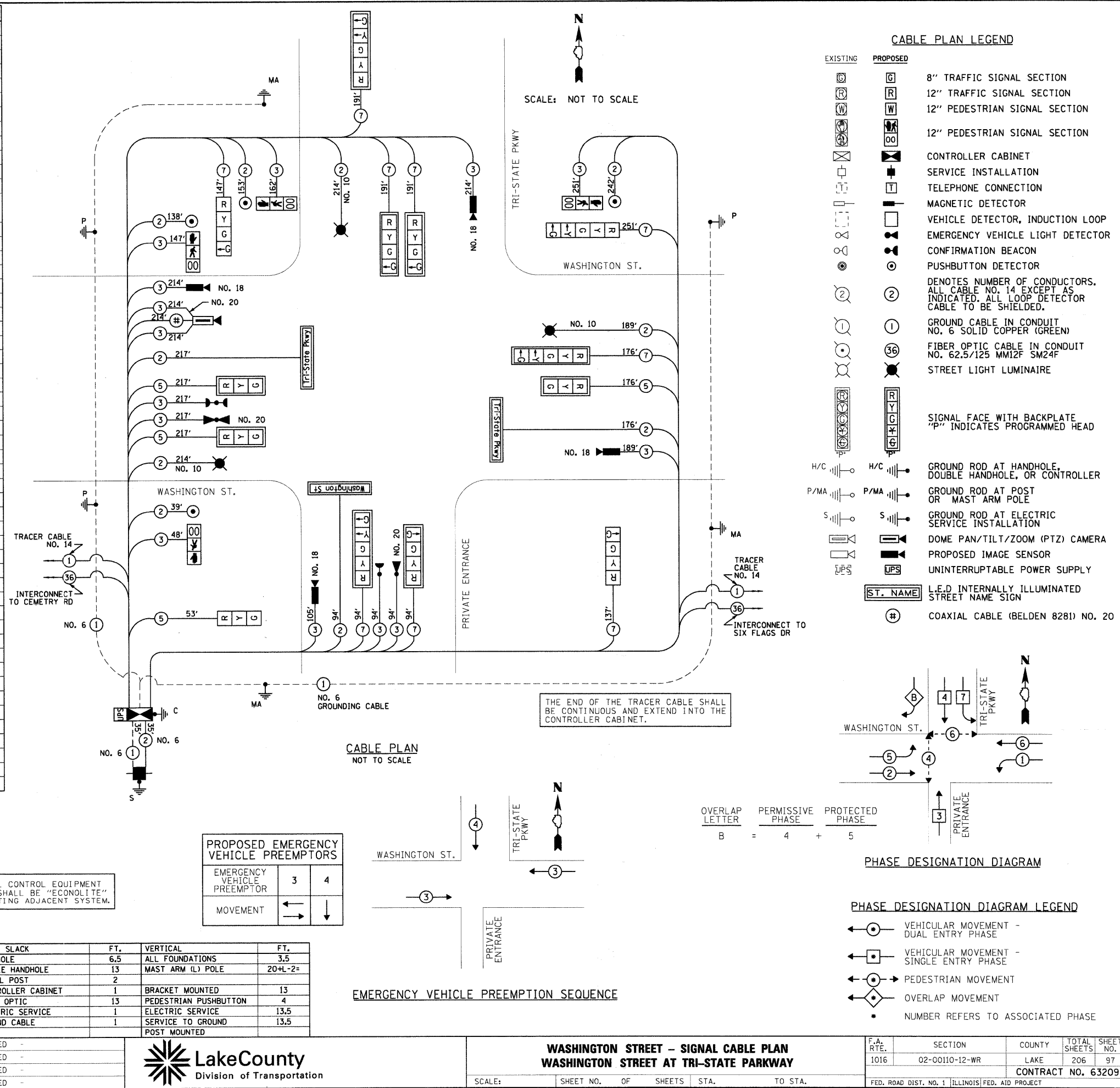
FOUNDATION (DEPTH)	FT.	CABLE SLACK	FT.	VERTICAL	FT.
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20+L-2=
E - MAST ARM POLE	30"	SIGNAL POST	2	BRACKET MOUNTED	13
36"	10	CONTROLLER CABINET	1	PEDESTRIAN PUSHBUTTON	4
36"	11	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
E - DUAL MAST ARM	36"	ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
36"	17	GROUND CABLE	1	POST MOUNTED	

ENERGY COSTS TO: LAKE COUNTY DIVISION OF TRANSPORTATION
600 WINCHESTER ROAD
LIBERTYVILLE, IL 60048

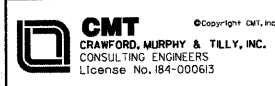
ENERGY SUPPLY: CONTACT: MS. TERRI BLECK
PHONE: (847) 816-5234
COMPANY: COMED

USER NAME = Steve Prange
DESIGNED - CMC
DRAWN - CMC
CHECKED - KDN
DATE - 05/29/09

REVISIONS:
REVISED -
REVISED -
REVISED -
REVISED -



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WASHINGTON STREET - SIGNAL CABLE PLAN
WASHINGTON STREET AT TRI-STATE PARKWAY

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	97
CONTRACT NO. 63209				

FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING TRAFFIC SIGNAL HEAD TO BE REMOVED
- EXISTING TRAFFIC SIGNAL HEAD WITH BACK PLATE TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING STEEL COMBINATION ASSEMBLY, POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING SPAN WIRE, TETHER WIRE, AND CABLE TO BE REMOVED

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- PEDESTRIAN PUSH BUTTON DETECTOR
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINARE AND MAST (MOUNTED ON WOOD POLE)
- IMAGE SENSOR
- DOME PAN/TILT/ZOOM (PTZ) CAMERA

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE COUNTY AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS OR AS DIRECTED BY THE COUNTY TRAFFIC ENGINEER.

- LAKE COUNTY DIVISION OF TRANSPORTATION
- 1 EACH CONTROLLER AND CABINET COMPLETE
 - 1 EACH LIGHT DETECTOR
 - 1 EACH LIGHT DETECTOR AMPLIFIER
 - 8 EACH 1-FACE 3-SECTION SIGNAL HEAD
 - 2 EACH 1-FACE 5-SECTION SIGNAL HEAD
 - 2 EACH TRAFFIC SIGNAL BACKPLATE

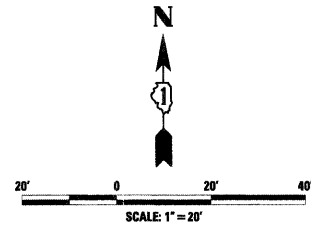
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH SERVICE INSTALLATION

NOTES FOR TEMPORARY TRAFFIC SIGNALS

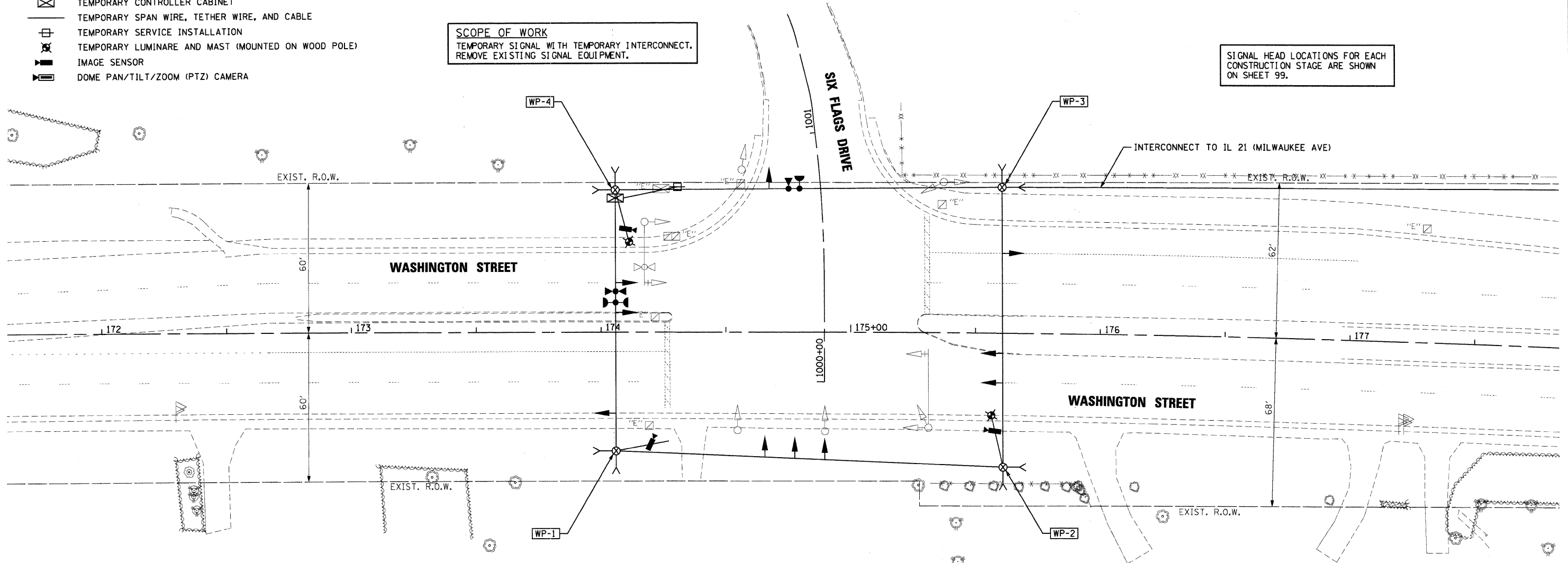
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY ECONOLITE CONTROLLERS SUPPLIED BY ONE OF THE COUNTY APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY THE COUNTY, INSTALLED IN A NEMA TS1 OR TS2 CABINET.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
8. THE DETECTION ZONES SHALL BE DETERMINED AND LAID OUT BY LAKE COUNTY DIVISION OF TRANSPORTATION PERSONNEL.

STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
WP-1	174+06	48' RT	NONE
WP-2	175+61	54' RT	GAS
WP-3	175+60	59' LT	WATERMAIN, COMED/COMCAST/SBC AERIAL
WP-4	174+06	57' LT	COMED/COMCAST/SBC AERIAL
SPAN WIRE			EXIST. OVERHEAD LINES



SCOPE OF WORK
TEMPORARY SIGNAL WITH TEMPORARY INTERCONNECT.
REMOVE EXISTING SIGNAL EQUIPMENT.

SIGNAL HEAD LOCATIONS FOR EACH CONSTRUCTION STAGE ARE SHOWN ON SHEET 99.



FILE NAME = I:\Lakeco\08222461\Drawn\Sheets\15_08.dgn



USER NAME = Monica Crismon
DESIGNED - CMC
DRAWN - CMC
CHECKED - KDN
DATE - 07/15/09

REVISED -
REVISED -
REVISED -
REVISED -

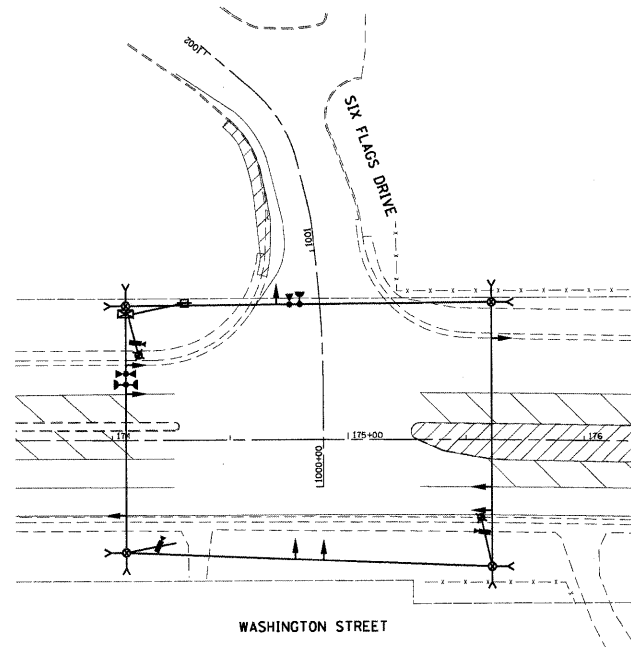


WASHINGTON STREET - TEMPORARY SIGNAL PLAN
WASHINGTON STREET AT SIX FLAGS DRIVE

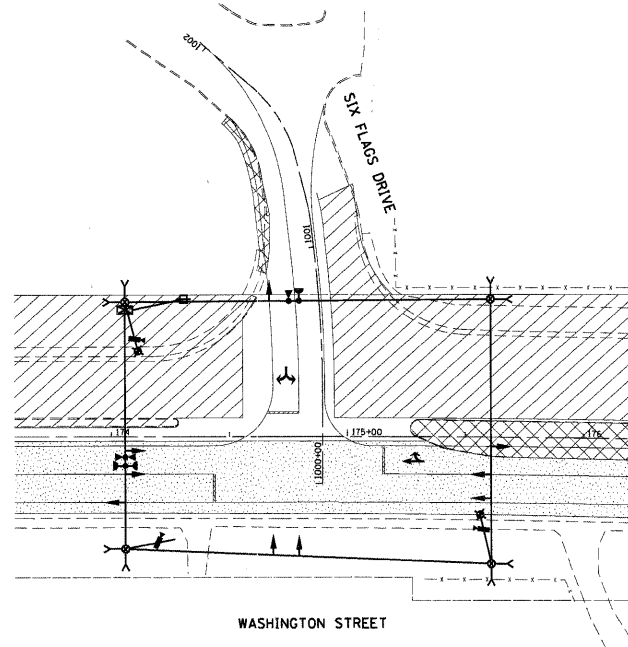
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

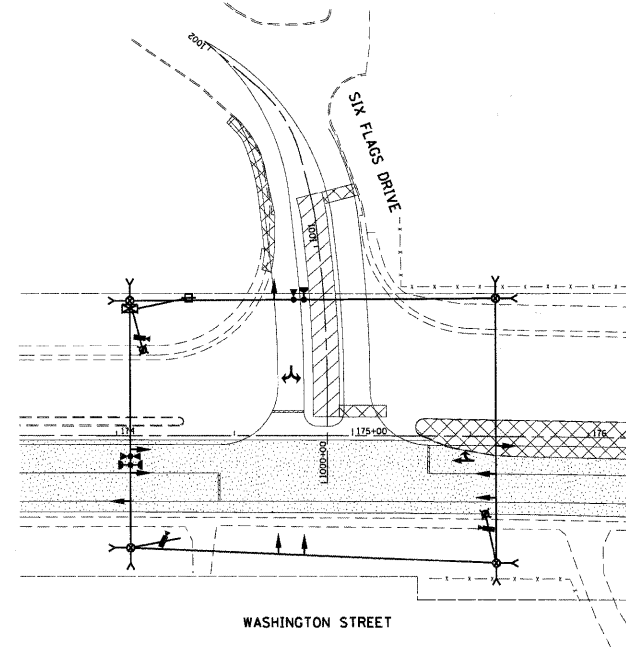
CONSTRUCTION STAGING - PRE STAGE



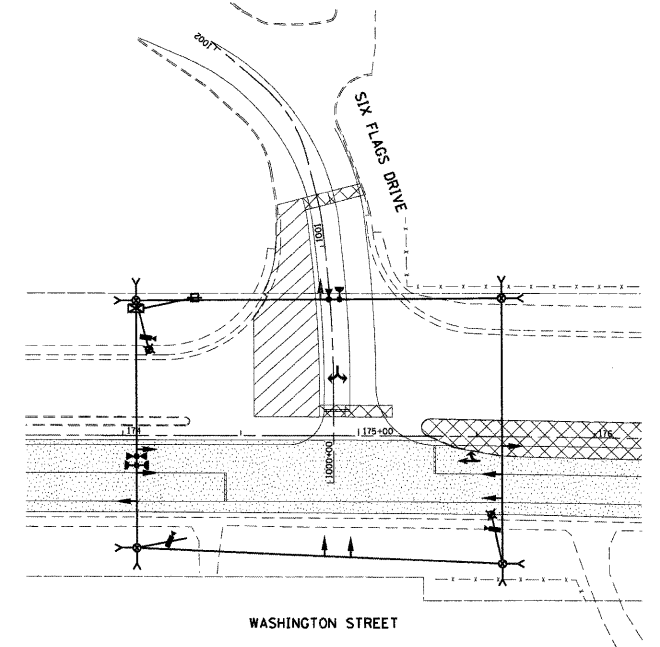
CONSTRUCTION STAGING - STAGE 1A



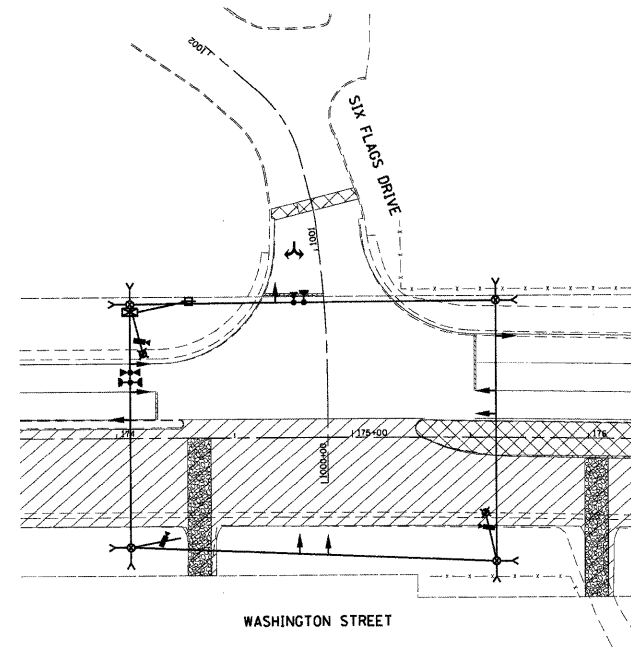
CONSTRUCTION STAGING - STAGE 1B



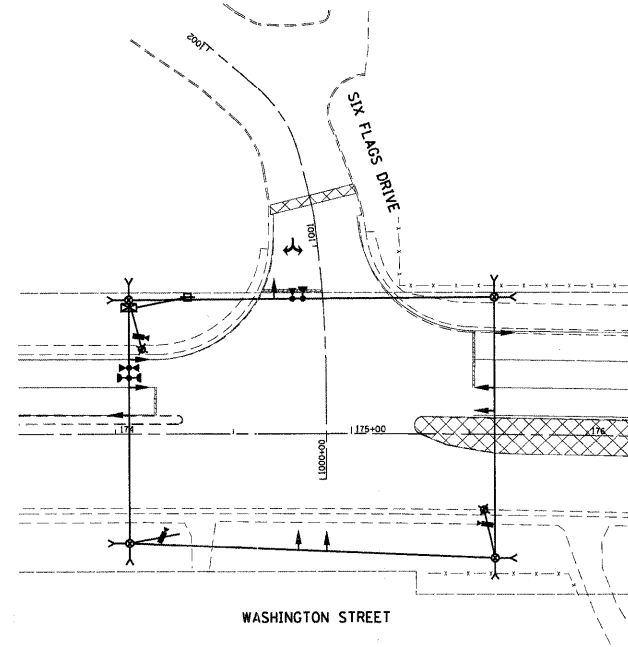
CONSTRUCTION STAGING - STAGE 1C



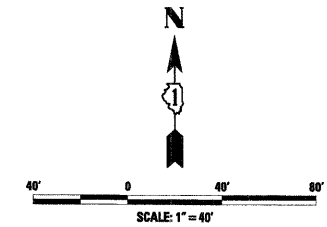
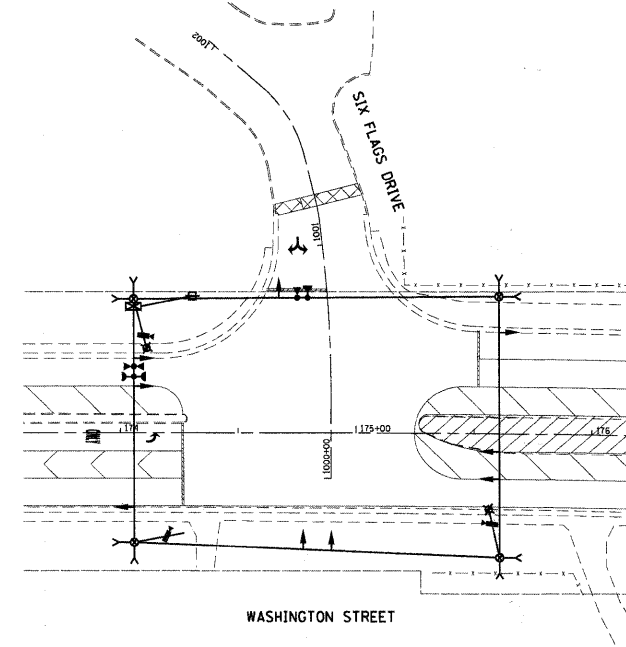
CONSTRUCTION STAGING - STAGE 2A



CONSTRUCTION STAGING - STAGE 2B



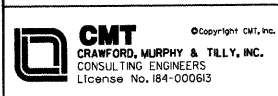
CONSTRUCTION STAGING - STAGE 2C



TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- PEDESTRIAN PUSH BUTTON DETECTOR
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- TEMPORARY CONTROLLER CABINET
- |— TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊕— TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINARE AND MAST (MOUNTED ON WOOD POLE)
- IMAGE SENSOR
- DOME PAN/TILT/ZOOM (PTZ) CAMERA
- ▨ WORK AREA
- ▩ TEMPORARY PAVEMENT
- ▩ EXISTING PAVEMENT - MILLED AND RESURFACED

FILE NAME = I:\Lakeco\0222407\Draws\Sheet\YS_07.dgn



USER NAME = Monica Crinson	DESIGNED - CMC	REVISED -
PLOT SCALE = 40.00000 ' / IN.	DRAWN - CMC	REVISED -
PLOT DATE = 07/15/09	CHECKED - KDN	REVISED -
	DATE - 07/15/09	REVISED -
















WASHINGTON STREET - TEMPORARY SIGNAL PLAN
WASHINGTON STREET AT SIX FLAGS DRIVE






SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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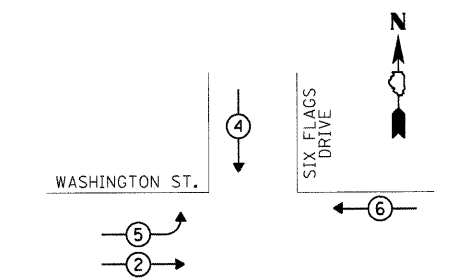
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	99
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63209	

TEMPORARY CABLE PLAN LEGEND

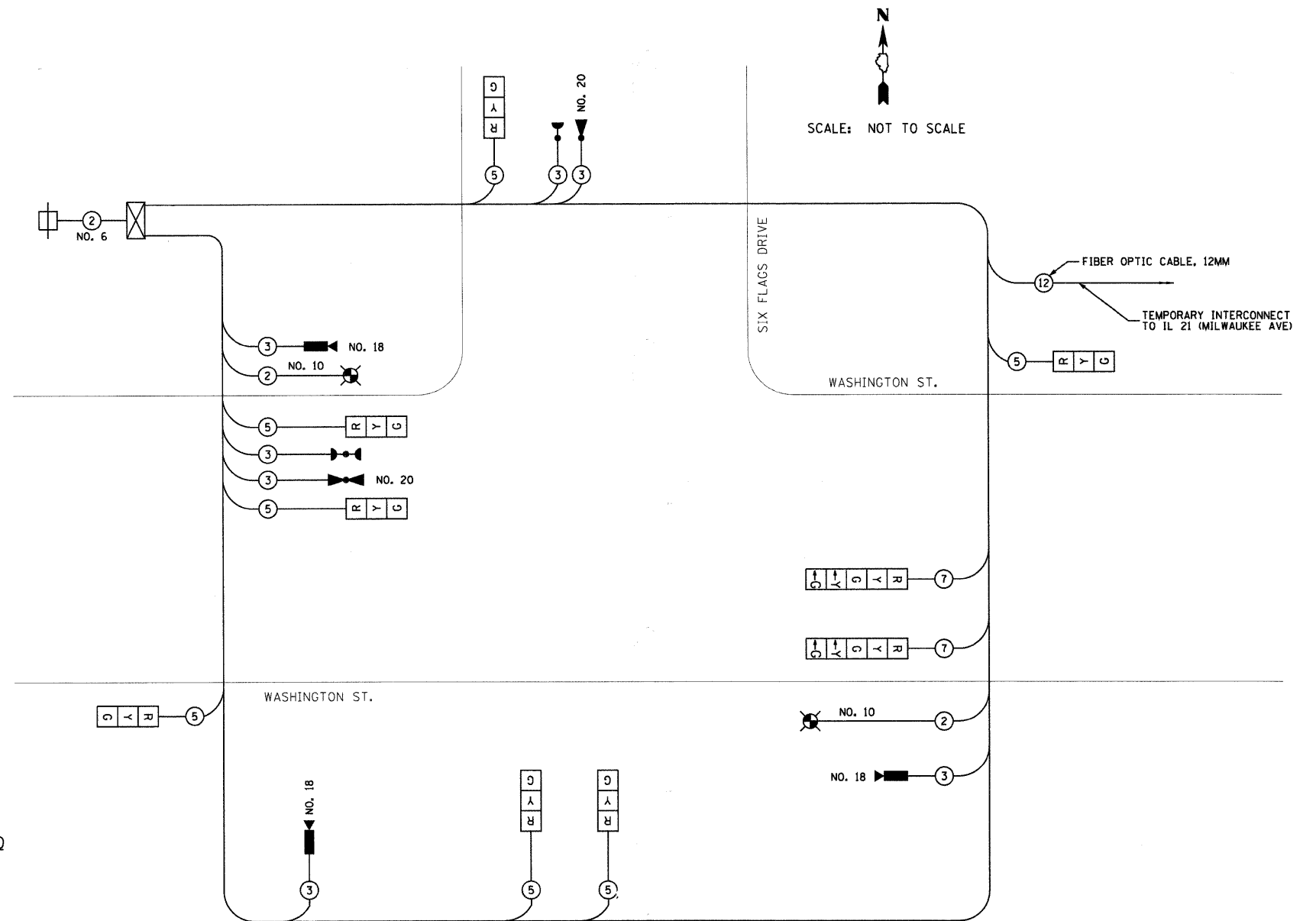
-  12" TEMPORARY TRAFFIC SIGNAL SECTION
-  12" PEDESTRIAN SIGNAL SECTION
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY SERVICE INSTALLATION
-  TELEPHONE DROP
-  VEHICLE DETECTOR, INDUCTION LOOP
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  PEDESTRIAN PUSHBUTTON
-  INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NO. 14 WIRE UNLESS OTHERWISE NOTED.
-  LUMINAIRE
-  DOME PAN/TILT/ZOOM (PTZ) CAMERA
-  IMAGE SENSOR
-  COAXIAL CABLE (BELDEN 8281) NO. 20

TEMPORARY PHASE DESIGNATION DIAGRAM LEGEND

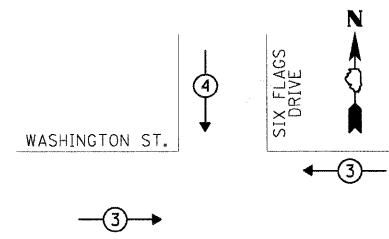
-  VEHICULAR MOVEMENT - DUAL ENTRY PHASE
-  VEHICULAR MOVEMENT - SINGLE ENTRY PHASE
-  PEDESTRIAN MOVEMENT
-  OVERLAP MOVEMENT
-  NUMBER REFERS TO ASSOCIATED PHASE



TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY CABLE PLAN
NOT TO SCALE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	9	—	10	0.50	45
(YELLOW)	9	—	19	0.10	18
(GREEN)	9	—	11	0.40	40
ARROW	4	—	9	0.10	4
PED SIGNAL	—	—	9	1.00	—
CONTROLLER	1	—	100	1.00	100
VIDEO SYSTEM	1	—	150	1.00	150
LUMINAIRE	2	—	250	0.50	250
L.E.D. ST. SIGNS	—	—	64	0.50	—
BATTERY BACKUP	—	—	25	1.00	—
TOTAL =					607

ENERGY COSTS TO: LAKE COUNTY DIVISION OF TRANSPORTATION
600 WINCHESTER ROAD
LIBERTYVILLE, IL 60048

ENERGY SUPPLY: CONTACT: MS. TERRI BLECK
PHONE: (847) 816-5234
COMPANY: COMED

FOUNDATION (DEPTH)	FT.	CABLE SLACK	FT.	VERTICAL	FT.
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20+L-2=
E - MAST ARM POLE	15	SIGNAL POST	2		
		CONTROLLER CABINET	1	BRACKET MOUNTED	13
		FIBER OPTIC	13	PEDESTRIAN PUSHBUTTON	4
		ELECTRIC SERVICE	1	ELECTRIC SERVICE	13.5
		GROUND CABLE	1	SERVICE TO GROUND	13.5
				POST MOUNTED	