

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 600 (IL 159)
SECTION 60-(30,31,128)-N-1
FEDERAL PROJECT: ACNHF-TE-0600(061)
WIDENING AND RESURFACING
MADISON COUNTY

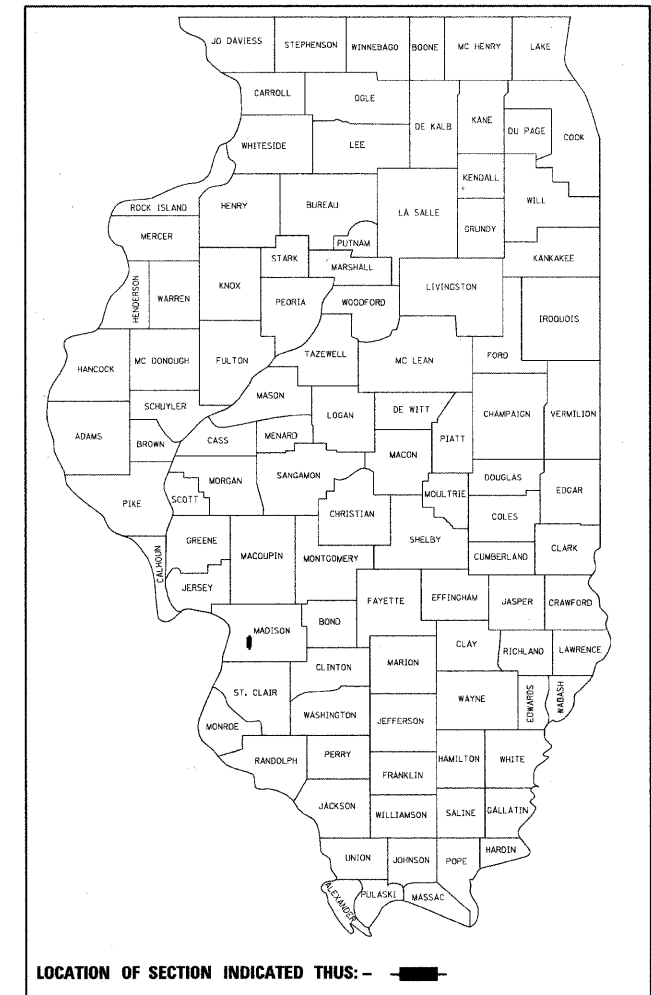
FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION: OTHER PRINCIPLE ARTERIAL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	1
		ILLINOIS	CONTRACT NO. 76D54	

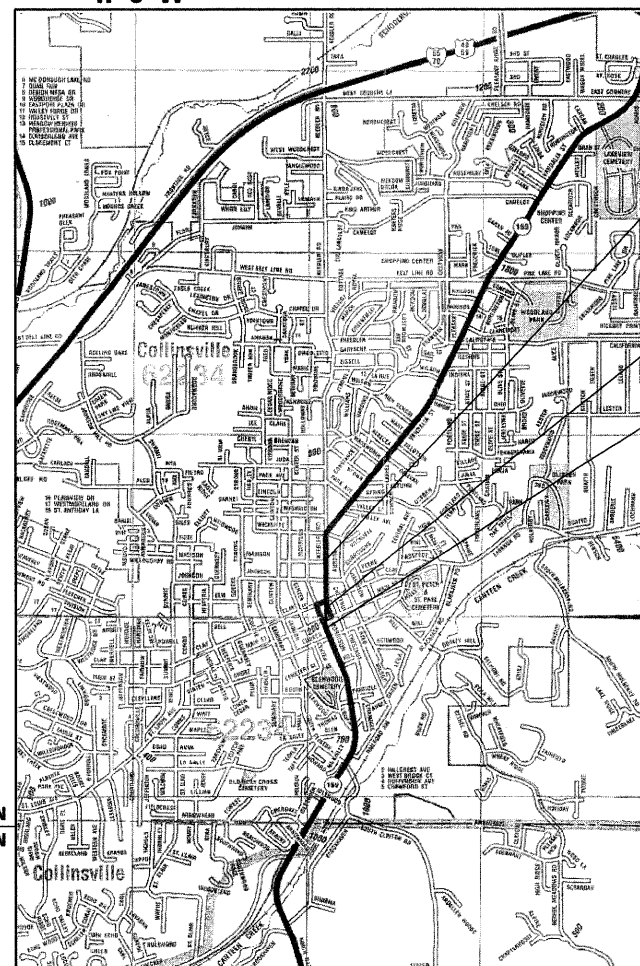
* 152 + 4 = 156

D-98-109-05



LOCATION OF SECTION INDICATED THUS: - ■ -

R 8 W C-98-032-10



END PROJECT
STA 168+46.50
LAT = 38.6729
LONG = -89.9846

160+78.39 BK =
160+80.54 AH

BEGIN PROJECT
STA 155+90.80
LAT = 38.6695
LONG = -89.9843



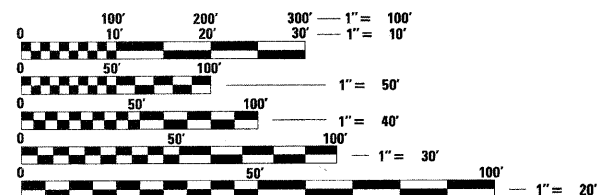
Victor A. Mader, Jr. 6-22-10
SIGNATURE DATE



Colleen H. Ahrens 6-22-10
SIGNATURE DATE

SHEETS: 1-24, 25 (omit E.C. schedule), 26-70, 76-89, 113-152
SHEETS: 25 (E.C. schedule only), 71-75, 110-112
LICENSE EXPIRES: 11-30-2011 LICENSE EXPIRES: 11-30-2011
LIGHTING PLANS (SHEETS 99A-99F) WERE DESIGNED BY BRIC

MADISON CO
ST CLAIR CO



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

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

PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
PROJECT MANAGER: CHERYL KEPLAR (618) 346-3186

CONTRACT NO. 76D54

LOCATION MAP

SCALE: 1" = 2000'

GROSS LENGTH = 1254 FT. = .238 MILE
NET LENGTH = 1254 FT. = .238 MILE

PLANS PREPARED BY:
VOLKERT
103 LANTER COURT
COLLINSVILLE, IL 62234

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED June 21 20 10

My C. Harris
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

August 13 20 10
Scott E. Stott, D.P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

August 13 20 10
Christine M. Roedel
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES:

- 1. REVISION NUMBERS LISTED AT THE END OF THIS PROJECT.
- 2. GEODATIC ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
- 3. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- 4. FOR UTILITY LOCATION PURPOSES, THIS PROJECT IS LOCATED IN SECTIONS 27, 28, 33 & 34 OF THE TOWNSHIP 3 NORTH, RANGE 8 WEST OF THE THIRD PRINCIPAL MERIDIAN FOR MADISON COUNTY.
- 5. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMEREN IP (GAS & ELECTRIC)
 - AT&T (COMMUNICATIONS)
 - AT&T CORPORATION (COMMUNICATIONS)
 - BUCO SERVICES, LTD (COMMUNICATIONS)
 - CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - CITY OF COLLINSVILLE (WATER & SANITARY SEWER)
 - MCLEOD (COMMUNICATIONS)
 MEMBERS OF J.U.L.I.E. (800-892-0123) ARE INDICATED BY AN * . NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- 6. EXCESS BITUMINOUS REMOVAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- 7. PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND MEDIAN SURFACE. COST FOR PROTECTIVE COAT IS INCLUDED IN EACH PAY ITEM, THERE IS NO SEPARATE PAYMENT.
- 8. MIXTURES FOR JOINTS, CRACKS, AND FLAGWAYS SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- 9. THE USE OF VIBRATORY ROLLERS IS NOT ALLOWED IN RESIDENTIAL AREAS AND IS PROHIBITED IN ALL AREAS, UNLESS IT CAN BE DETERMINED BY THE CONTRACTOR THAT THE EXISTING/PROPOSED UTILITIES WILL NOT BE AFFECTED. IF IT IS DETERMINED THAT THE UTILITIES WILL BE UNAFFECTED, VIBRATORY ROLLERS MAY BE USED ON THIS PROJECT. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE BITUMINOUS PAVEMENTS.
- 10. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING AND RECONSTRUCTION LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
- 11. AGGREGATE FOR TEMPORARY ACCESS MAY BE SUBSEQUENTLY USED IN PERMANENT CONSTRUCTION IN ACCORDANCE WITH ARTICLE 402. NO ADDITIONAL PAYMENT WILL BE MADE FOR MOVING AND REUSING THE MATERIAL.
- 12. THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 13. ANY EARTHWORK ASSOCIATED WITH REMOVAL OR PLACEMENT OF THE GUTTER AND CURB & GUTTER SHALL BE INCLUDED IN THE COST FOR THE GUTTER AND COMBINATION CONCRETE CURB & GUTTER.
- 14. THE PROPOSED EMBANKMENT SHALL BE BENCHMARKED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
- 15. THE MANUFACTURER SHALL SPECIFICALLY RECOMMEND ALL EROSION CONTROL PRODUCTS FURNISHED FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATE BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURERS RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
- 16. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SODDED, AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SODDED AT THE CONTRACTOR'S EXPENSE.
- 17. MULCH, UNLESS OTHERWISE PERMITTED BY THE ENGINEER, SHALL CONFORM TO METHOD 2, PROCEDURE 2 AS SPECIFIED IN ARTICLE 251.03.

- 18. EXISTING TREES THAT ARE NOT SHOWN ON THE PLANS AS "TO BE REMOVED" SHALL REMAIN UNDAAMAGED.
- 19. THE CONTRACTOR SHALL RELOCATE ALL PRIVATE AND COMMERCIAL SIGNS IN ACCORDANCE WITH ARTICLES 107.20 & 107.25 AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PROJECT AND ANY DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 20. SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
- 21. ALL DIMENSIONS ARE SHOWN IN FEET UNLESS NOTED. PAVEMENT THICKNESS, CULVERT SIZE, TRAFFIC SIGNAL CONDUIT SIZES, AND PAVEMENT MARKING WIDTHS ARE SHOWN IN INCHES UNLESS NOTED.
- 22. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 23. THE OFFSETS TO ALL INLETS AND MANHOLES ARE TO THE CENTER OF THE DRAINAGE STRUCTURE.
- 24. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE AND 48" X 48".
- 25. FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS AT THE DIRECTION OF THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE APPLIED.
- 26. EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH STEADY BURN LIGHTS.
- 27. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL SURFACE AS NECESSARY PRIOR TO APPLICATION OF TEMPORARY OR PERMANENT PAVEMENT MARKING. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL - 50 FT). TEMPORARY PAVEMENT MARKING SHALL BE USED FOR STAGING AS QUANTIFIED IN THE TEMPORARY STRIPING SCHEDULE. AN ADDITIONAL QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT HAS ALSO BEEN ADDED TO THE SUMMARY OF QUANTITIES.
- 28. ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 29. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
- 30. SIDEWALKS, ENTRANCES AND OFF-STREET PARKING AREAS SHALL BE REPLACED IN-KIND UNLESS OTHERWISE NOTED.
- 31. ANY ITEM AS DETERMINED BY THE ENGINEER TO BE IN CONFLICT WITH THE PROJECT, NOT ACCOUNTED FOR BY LAND ACQUISITIONS OR OTHERWISE MENTIONED ELSEWHERE IN THE PLANS, SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF BY THE CONTRACTOR, AS SPECIFIED BY THE ENGINEER ACCORDING TO SECTION 109.04 IN THE STANDARD SPECIFICATIONS.
- 32. THE CONTACT FOR THE CITY OF COLLINSVILLE WILL BE MICHAEL TOGNARELLI (618-410-5542).
- 33. SIGNS WITH WHITE LETTERING ON GREEN BACKGROUND WITH THE WORDS "BUSINESS OPEN" SHALL BE PROVIDED AT VARIOUS LOCATIONS AT THE DISCRETION OF THE ENGINEER. SIGNS SHALL BE A MINIMUM OF 24" WIDE BY 18" HIGH. THE COST SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- 34. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH DOCUMENTATION SHOWING THE DECORATIVE SIGN POSTS AND LIGHT FIXTURES MEET FEDERAL BREAKAWAY REQUIREMENTS (NCHRP - 350)
- 35. THE CONTRACTOR SHALL BE AWARE THAT THE BUILDING DEMOS WILL BE ON A LETTING AFTER THE ROADWAY LETTING. THE CONTRACTOR SHALL COORDINATE ACCORDINGLY.

ADDITIONAL ABBREVIATIONS

CONSTR	CONSTRUCTION
HGL	HYDRAULIC GRADE LINE
HMA	HOT MIX ASPHALT
PGL	PROFILE GRADE LINE
PCBC	PRECAST CONCRETE BOX CULVERT
TYP	TYPICAL
PRC FES	PRECAST REINFORCED CONCRETE FLARED END SECTION

HIGHWAY STANDARDS

000001-05	664001-02	781001-03
001001-02	666001-01	805001-01
280001-05	667101-01	814001-02
353001-04	701001-02	814006-02
420001-07	701006-03	857001-01
424001-05	701011-02	862001-01
542301-02	701101-02	873001-02
542311-01	701106-02	876001-01
602301-02	701501-05	877001-04
602306-02	701502-03	878001-08
602401-02	701601-06	880001-01
602601-01	701602-04	880006-01
602701-02	701701-06	886001-01
604001-03	701801-04	886006-01
604006-04	701901-01	
604036-02	704001-06	
606001-04	704011-05	
606101-04	720001-01	
606301-04	720006-02	
630001-08	720011-01	
630301-05	720016-02	
631011-06	720021-02	
631032-05	728001-01	
635006-03	729001-01	
635011-02	780001-02	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, GENERAL NOTES & STANDARDS
- 3 COMMITMENTS
- 4-10 SUMMARY OF QUANTITIES
- 11-12 TYPICAL SECTIONS - EXISTING
- 13-19 TYPICAL SECTIONS - PROPOSED
- 20-28 SCHEDULES OF QUANTITIES
- 29-31 REMOVAL SHEETS
- 32 ALIGNMENT SHEETS
- 33 TIE POINTS & BENCH MARKS
- 34-43 PLAN AND PROFILE SHEETS
- 44-46 PARKING LOT DETAILS
- 47-49 INTERSECTION GEOMETRIC DETAILS
- 50-65 DRAINAGE & UTILITY SHEETS
- 66-70 DRAINAGE & UTILITY DETAILS
- 71-75 EROSION CONTROL /SWPPP PLANS
- 76-84 STAGE CONSTRUCTION
- 85-89 PAVEMENT MARKING & SIGNING PLANS
- 90-98 TRAFFIC SIGNAL PLANS
- 99A-99F LIGHTING PLANS
- 100-108 PLAT OF HIGHWAY
- 109 OMITTED
- 110-112 LANDSCAPING PLANS
- 113-117 MISCELLANEOUS DETAILS
- 118-152 CROSS SECTIONS

MIXTURE REQUIREMENTS	
ROUTE	FAP 600
SECTION	60-(30,31,128)-N-1
COUNTY	MADISON
CONTRACT	76D54

DESCRIPTION:	WIDENING IL 159 FROM CHURCH ST. TO JOHNSON ST. IN COLLINSVILLE
--------------	--

ADT (CONSTRUCTION YR):	26150
MUX:	3
SU%:	3
20 YR. ESAL'S:	3.93

MIXTURE USE	POLY-SURFACE	BINDER	INCIDENTAL SURF	PATCHING
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION				
(GRADATION MIXTURE)	IL 12.5/9.5	IL 19.0	IL 12.5/9.5	IL 19.0
FRICITION AGG	MIXTURE "E"	MIXTURE "B"	MIXTURE "E"	MIXTURE "B"

MIXTURE USE	TEMP PVMT SURFACE	TEMP PVMT BINDER	BAM/SHOULDER	PARK PVMT SURFACE	PARK PVMT BINDER
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	2.0% @ Ndes=30	4.0% @ Ndes=50	4.0% @ Ndes=50
MIX COMPOSITION					
(GRADATION MIXTURE)	IL 12.5/9.5	IL 19.0		IL 12.5/9.5	IL 19.0
FRICITION AGG	MIXTURE "D"	MIXTURE "B"	BAM	MIXTURE "C"	MIXTURE "B"

•• TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 lb/sq yd/1in (59.8 kg/sq m/25 mm THICKNESS).

USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS & GENERAL NOTES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
gennote.dgn	DRAWN -	REVISED -					600	60-(30,31,128)-N-1	MADISON	152	2
PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -		SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A			CONTRACT NO. 76D54		ILLINOIS FED. AID PROJECT		
PLOT DATE = 6/18/2010	DATE -	REVISED -									

COMMITMENTS

190+00 LT. BACK OF CURB BEING CONSTRUCTED WITHIN 0.50' OF PROPOSED RIGHT-OF-WAY. BACK OF CURB NEEDS TO BE FORM VERIFIED TO ENSURE IT IS CONSTRUCTED WITHIN THE RIGHT-OF-WAY.

PARCEL NO. 8411104

STA 157+79.18, 83.74' RT. SIDEWALK BEING CONSTRUCTED WITHIN 0.50' OF PROPOSED RIGHT-OF-WAY. SIDEWALK NEEDS TO BE FORM VERIFIED TO ENSURE ITS CONSTRUCTION WITHIN THE RIGHT-OF-WAY.

3. PARCEL NO. 8411105 & 8411106

E MAIN ST, STA 41+22.87 RT TO 41+59.86 RT. SIDEWALK BEING CONSTRUCTED WITHIN 0.50' OF PROPOSED RIGHT-OF-WAY. SIDEWALK NEEDS TO BE FORM VERIFIED TO ENSURE ITS CONSTRUCTION WITHIN THE RIGHT-OF-WAY.

4. PARCEL NO. 8411112

165+84.61, 40.57' LT & 166+20.92, 40.92' LT. PLANTERS WITH TEMPORARY EASEMENT TO REMAIN UNDISTURBED.

5. PARCEL NO. 8411113

163+78 TO 164+72 RT. STRUCTURAL ANALYSIS BEING PERFORMED TO DETERMINE IF BUILDING CAN BE MODIFIED AND REMAIN.

6. PARCEL NO. 8411166

190+00 RT TO 190+90 RT STRUCTURAL ANALYSIS BEING PERFORMED TO DETERMINE IF BUILDING CAN BE MODIFIED AND REMAIN.

USER NAME: default	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS	F.A.P. RTE.: 600	SECTION: 60-(30,31,12B)-N-1	COUNTY: MADISON	TOTAL SHEETS: 152	SHEET NO.: 3
gennote.dgn	DRAWN: -	REVISED: -			CONTRACT NO. 76D54				
PLOT SCALE: 20.0000' / IN.	CHECKED: -	REVISED: -			ILLINOIS FED. AID PROJECT				
PLOT DATE: 6/18/22:2	DATE: -	REVISED: -			SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A				

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			ACNHF	ACNHF CONSTRUCTION TYPE CODE	ACNHF	ACNHF	ACNHF	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A 80%FED/20%ST	SIGNALS E. MAIN ST. Y031-1F 100% STATE	SIGNALS E. CLAY ST. Y031-1F 80%FED/10%ST 10% CITY	LIGHTING Y030-1E 80% FED. 20% CITY	UTILITIES Y060 80%FED/20%ST
56100950	WATER MAIN 14"	FOOT	9					9
X0327017	PAVEMENT IMPRINTING	SQ YD	382	382				
X0327016	WATER MAIN TO BE ABANDONED, 16"	FOOT	371					371
X0327015	WATER MAIN TO BE ABANDONED, 14"	FOOT	596					596
X0326855	WATER METER TO BE REMOVED	EACH	6					6
*X0327018	DECORATIVE SIGN POST	EACH	7	7				
*X0327041	DECORATIVE LIGHT AND POLE - TYPE 5A	EACH	26				26	
*X0327042	DECORATIVE LIGHT AND POLE - TYPE 5B	EACH	14				14	
XX000959	TRASH RECEPTACLES	EACH	4	4				
X0327019	REMOVE AND RELOCATE TREE FRAME AND GRATE	EACH	2	2				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	18	18				
20200100	EARTH EXCAVATION	CU YD	8638	8638				
*20200200	ROCK EXCAVATION	CU YD	50					50
20800150	TRENCH BACKFILL	CU YD	4296	1456				2840
*25000400	NITROGEN FERTILIZER NUTRIENT	POUND	39	39				
*25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	39	39				
*25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	39	39				
*25100105	MULCH, METHOD 1	ACRE	0.64	0.64				
*25200100	SODDING	SQ YD	3106	3106				
*25200200	SUPPLEMENTAL WATERING	UNIT	56	56				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	64	64				
28000400	PERIMETER EROSION BARRIER	FOOT	482	482				
28000500	INLET AND PIPE PROTECTION	EACH	33	33				
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	8805	8805				
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	7699	7699				
35300610	PORTLAND CEMENT CONCRETE BASE COURSE 11 1/2"	SQ YD	5	5				
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	952	952				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	5	5				
40600300	AGGREGATE (PRIME COAT)	TON	31.7	31.7				
40600990	TEMPORARY RAMP	SQ YD	344	344				
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	6603	6603				
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	23	23				
XX004972	LINE STOPS 12"	EACH	1					1

*SPECIALTY ITEMS

FILE NAME =	USER NAME = keplarcl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr\pwwork\pwwork\keplarcl\d0166772\d078	d54-shr-plan.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-N-1	MADISON	152	4	
	PLOT SCALE = 58.0000' / IN.	CHECKED -	REVISED -								
	PLOT DATE = 6/25/2010	DATE -	REVISED -								
						SCALE: _____		SHEET NO. 1 OF 7 SHEETS		STA. _____ TO STA. _____	
						FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		CONTRACT NO. 76D54	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			ACNHF CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A 80%FED/20%ST	SIGNALS E. MAIN ST. Y031-1F 100% STATE	SIGNALS E. CLAY ST. Y031-1F 80%FED/10%ST 10% CITY	TE LIGHTING Y030-1E 80% FED 20% CITY	ACNHF UTILITIES Y060 80%FED/20%ST	
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	1902	1902					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	140	140					
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	20076	20076					
42400420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	3012	3012					
42400800	DETECTABLE WARNINGS	SQ FT	270	270					
44000100	PAVEMENT REMOVAL	SQ YD	10545	10545					
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1746	1746					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	653	653					
44000300	CURB REMOVAL	FOOT	300	300					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2765	2765					
44000600	SIDEWALK REMOVAL	SQ FT	26402	26352			50		
44003100	MEDIAN REMOVAL	SQ FT	286	286					
44200202	PAVEMENT PATCHING, TYPE II, 17 INCH	SQ YD	19	19					
44200206	PAVEMENT PATCHING, TYPE IV, 17 INCH	SQ YD	81	81					
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	59	59					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	80	80					
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	280	280					
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	736	736					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	595	595					
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	112	112					
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	184	184					
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	415	415					
55100400	STORM SEWER REMOVAL 10"	FOOT	10	10					
55100500	STORM SEWER REMOVAL 12"	FOOT	775	775					
56100500	WATER MAIN 4"	FOOT	34					34	
56100600	WATER MAIN 6"	FOOT	1136					1136	
56100700	WATER MAIN 8"	FOOT	461					461	
56100900	WATER MAIN 12"	FOOT	5					5	
56101000	WATER MAIN 16"	FOOT	647					647	
56101100	WATER MAIN 18"	FOOT	546					546	
X0327062	LINE STOPS 14"	EACH	1					1	
X0327063	LINE STOPS 16"	EACH	1					1	

FILE NAME =	USER NAME = keplarc1	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 600	SECTION 60-(30,31,128)-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 5	
c:\pwwork\pwwork\keplarc1\d0166772\d876d54-ah-planet.dgn						SCALE: _____ SHEET NO. 2 OF 7 SHEETS STA. _____ TO STA. _____					
PLOT SCALE = 58.0000' / IN.						CONTRACT NO. 76D54					
PLOT DATE = 6/25/2010						FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			ACNHF CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A 80%FED/20%ST	SIGNALS E. MAIN ST. Y031-1F 100% STATE	SIGNALS E. CLAY ST. Y031-1F 80%FED/10%ST 10% CITY	TE LIGHTING Y030-1E 80% FED 20% CITY	ACNHF UTILITIES Y060 80%FED/20%ST
56200200	WATER SERVICE LINE 3/4"	FOOT	50					50
56200300	WATER SERVICE LINE 1"	FOOT	423					423
56200700	WATER SERVICE LINE 2"	FOOT	72					72
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	5					5
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8				
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2				
60221200	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2	2				
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	12	12				
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	11	11				
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	3	3				
60500040	REMOVING MANHOLES	EACH	3	3				
60500060	REMOVING INLETS	EACH	4	4				
60600605	CONCRETE CURB, TYPE B	FOOT	606	606				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	759	759				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3233	3233				
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	9	9				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	13	13				
67100100	MOBILIZATION	L SUM	1	1				
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	140	140				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	976	976				

FILE NAME =	USER NAME = keplarol	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 600	SECTION 60-(30,31,128)-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 6		
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -			SCALE: _____	SHEET NO. 3 OF 7 SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 76D54		
	PLOT DATE = 6/25/2010	DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			ACNHF CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A 80%FED/20%ST	SIGNALS E. MAIN ST. Y031-1F 100% STATE	SIGNALS E. CLAY ST. Y031-1F 80%FED/10%ST 10% CITY	TE LIGHTING Y030-1E 80%FED 20% CITY	ACNHF UTILITIES Y060 80%FED/20%ST
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31	31				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	16883	16883				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	396	396				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3359	3359				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	208	208				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2425	2425				
72000100	SIGN PANEL - TYPE 1	SQ FT	243	186	27.5	29.5		
72000105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	12	12				
72000200	SIGN PANEL - TYPE 2	SQ FT	10		10			
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	32	32				
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	8	8				
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	153	153				
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	208	208				
72800105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	208	208				
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	9	9				
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	361	361				
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6611	6611				
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	396	396				
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1991	1991				
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	208	208				
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	108	108				
78300100	PAVEMENT MARKING REMOVAL	SQ FT	4101	4101				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	53	53				
80300100	LOCATING UNDERGROUND CABLE	FOOT	300		100	100	100	
80400105	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1				1	
80500100	SERVICE INSTALLATION, TYPE A	EACH	2		1	1		
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	2232		216	207	1809	
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	687				687	
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	774		369	405		
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	196		45	151		

* SPECIALTY ITEMS

FILE NAME =	USER NAME = keplarcl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	SCALE: _____	SHEET NO. 4 OF 7 SHEETS	STA. _____ TO STA. _____	F.A.P. RTE. 600	SECTION 60-(30,31,128)-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 7	
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PLOT DATE = 6/25/2010	DATE -	CHECKED -	REVISED -											

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			ACNHF CONSTRUCTION TYPE CODE ACNHF						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A 80%FED/20%ST	SIGNALS E. MAIN ST. Y031-1F 100% STATE	SIGNALS E. CLAY ST. Y031-1F 80%FED/10%ST 10% CITY	TE LIGHTING Y030-1E 80%FED 20% CITY	UTILITIES Y060 80%FED/20%ST	
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	678		307	371			
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	27		11	16			
81021300	CONDUIT PUSHED, 1" DIA., PVC	FOOT	754				754		
81021310	CONDUIT PUSHED, 1 1/4" DIA., PVC	FOOT	372				372		
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	13		7	6			
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2		1	1			
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4588				4588		
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	7126				7126		
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	7810				7810		
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1338				1338		
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	4170		843	999	2328		
83600120	LIGHT POLE FOUNDATION (SPECIAL)	FOOT	294				294		
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2				2		
84200804	REMOVAL OF POLE FOUNDATION	EACH	2				2		
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2				2		
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2		1	1			
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2		1	1			
85900100	TRANSCEIVER	EACH	1		1				
86000100	MASTER CONTROLLER	EACH	1			1			
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2629		1178	1451			
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2768		1178	1590			
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4590		2155	2435			
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3640		1640	2000			
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5292		2351	2941			
87301715	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 6 PAIR	FOOT	500		250	250			
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	95		45	50			

* SPECIALTY ITEMS

FILE NAME =	USER NAME = keplarc1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\pwsdot\keplarc1\d8166772\d878	d54-sht-plan.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-N-1	MADISON	152	8	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			SCALE: _____ SHEET NO. 5 OF 7 SHEETS STA. _____ TO STA. _____					
	PLOT DATE = 6/25/2010	DATE -	REVISED -			CONTRACT NO. 76D54 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			ACNHF	ACNHF	ACNHF	ACNHF	ACNHF	ACNHF
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A 80%FED/20%ST	SIGNALS E. MAIN ST. Y031-1F 100% STATE	SIGNALS E. CLAY ST. Y031-1F 80%FED/10%ST 10% CITY	TE LIGHTING Y030-1F 80% FED 20% CITY	UTILITIES Y060 80%FED/20%ST
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	5		2	3		
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	3		2	1		
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2		1	1		
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1			1		
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1			
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	4		2	2		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15		6	9		
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	7		3.5	3.5		
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	42		13.5	28.5		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	83.5		46.5	37		
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1			
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12		6	6		
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3		3			
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5		3	2		
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3		1	2		
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1			
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	2			2		
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	3		1	2		
88102820	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 2-SECTION BRACKET MOUNTED	EACH	6		2	4		
88200300	TRAFFIC SIGNAL BACKPLATE, PLASTIC	EACH	20		10	10		
88500100	INDUCTIVE LOOP DETECTOR	EACH	26		13	13		
88600100	DETECTOR LOOP, TYPE I	FOOT	3499		1790	1709		
88800100	PEDESTRIAN PUSH-BUTTON	EACH	12		6	6		
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		1	1		

* SPECIALTY ITEMS

FILE NAME =	USER NAME = keplarcj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	DRAWN -	REVISED -	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			600	60-(30,31,128)-N-1	MADISON	152	9		
		DATE -	REVISED -			SCALE: _____	SHEET NO. 6 OF 7 SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 76D54		
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			ACNHF CONSTRUCTION TYPE CODE ACNHF					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A 80%FED/20%ST	SIGNALS E. MAIN ST. Y031-1F 100% STATE	SIGNALS E. CLAY ST. Y031-1F 80%FED/10%ST 10% CITY	TE LIGHTING Y030-1E 80%FED 20% CITY	UTILITIES Y060 80%FED/20%ST
*89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1000			1000		
*89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	120		70	50		
*89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		1	1		
*89502380	REMOVE EXISTING HANDHOLE	EACH	8		4	4		
*89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	14		7	7		
*A2004516	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
*A2004616	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
*B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	26	26				
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1					1
X0323378	CONCRETE PARKING BLOCKS	EACH	15	15				
X0323829	WATER MAIN TO BE ABANDONED, 12"	FOOT	115					115
*88102842	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 2-SECTION, BRACKET MOUNTED	EACH	3		2	1		
X6660445	RIGHT-OF-WAY AND PROPERTY CORNERS	EACH	55	55				
X0326823	INLETS, SPECIAL, TYPE E, DOUBLE 4' X 4'	EACH	1	1				
X0326824	WATER MAIN TO BE ABANDONED, 4"	FOOT	342					342
X0326825	WATER MAIN TO BE ABANDONED, 6"	FOOT	1,777					1,777
X0326826	WATER MAIN TO BE ABANDONED, 8"	FOOT	383					383
X0326827	WATER METER ASSEMBLY, 1"	EACH	19					19
X0326828	WATER METER ASSEMBLY, 2"	EACH	1					1
Z0003850	BENCHES	EACH	4	4				
X0539700	TREE FRAME AND GRATE	EACH	2	2				
X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	7					7
*X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2175		1075	1100		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
*06900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1071	1071				
*06900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	1				
*06900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	2	2				
*06900530	SOIL DISPOSAL ANALYSIS	EACH	3	3				
X0327043	LINE STOPS 18"	EACH	1					1
+Z0076600	TRAINEES	HOUR	1,000	1,000				

* SPECIALTY ITEMS
† Y080

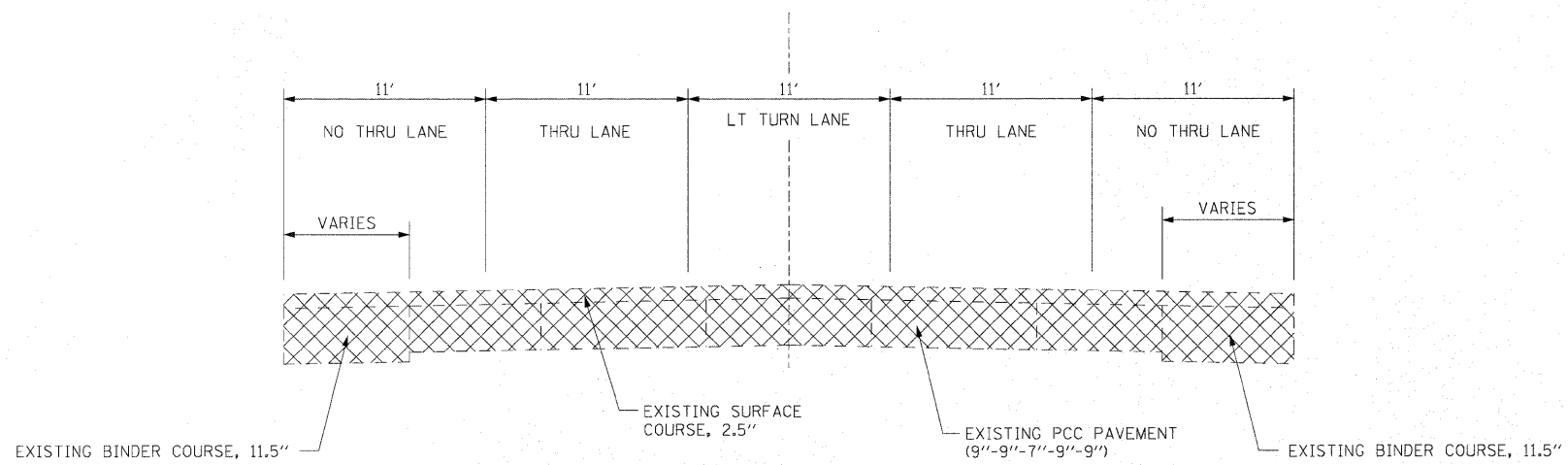
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

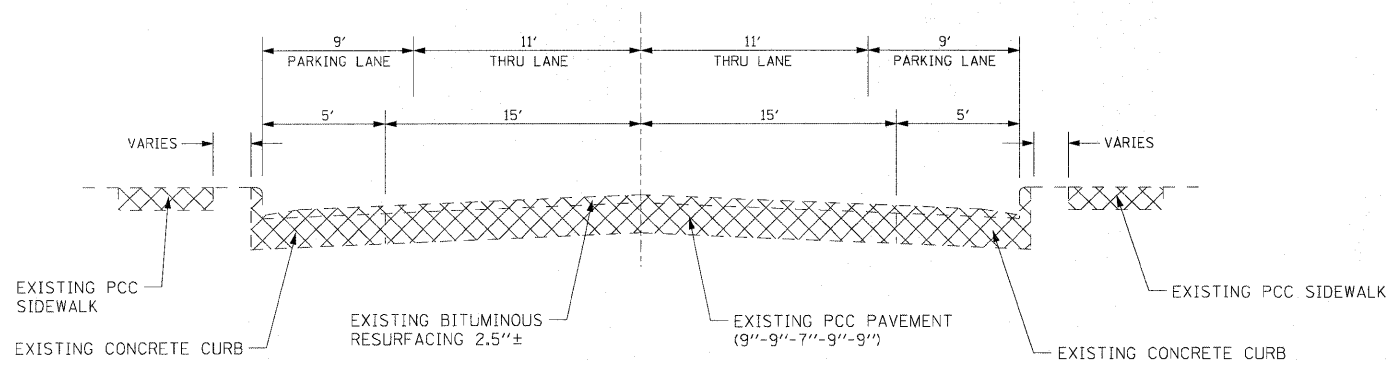
SUMMARY OF QUANTITIES

SCALE: _____ SHEET NO. 7 OF 7 SHEETS STA. _____ TO STA. _____

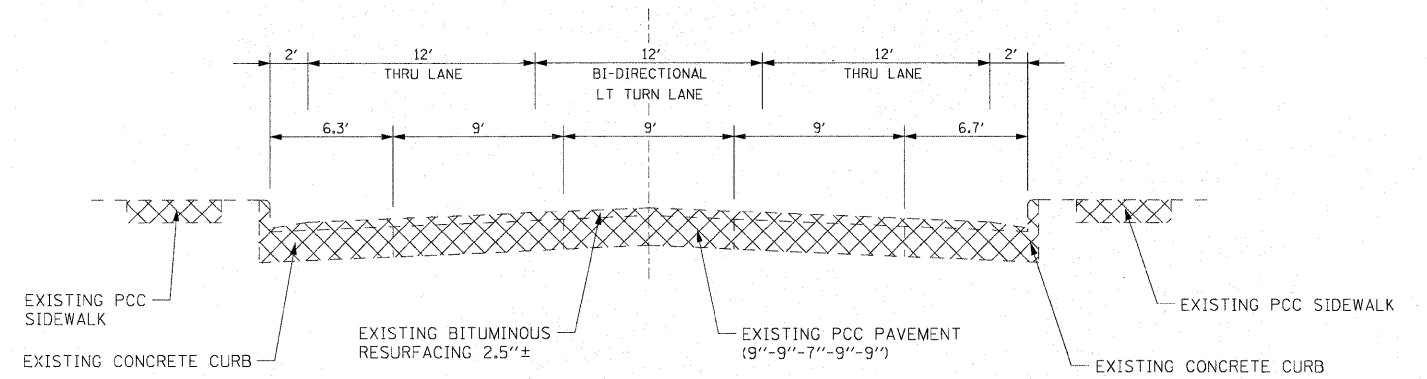
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600	60-(30,31,128)-N-1	MADISON	152	10	
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D54		



EXISTING TYPICAL SECTION - IL RTE 159
STA 155+90.80 TO STA 156+02.00



EXISTING TYPICAL SECTION - IL RTE 159
BETWEEN ALLEY @ 156+02 & E MAIN ST



EXISTING TYPICAL SECTION - IL RTE 159
BETWEEN E CLAY ST & ALLEY @ STA 168+75.37

- EXISTING MATERIAL TO BE REMOVED

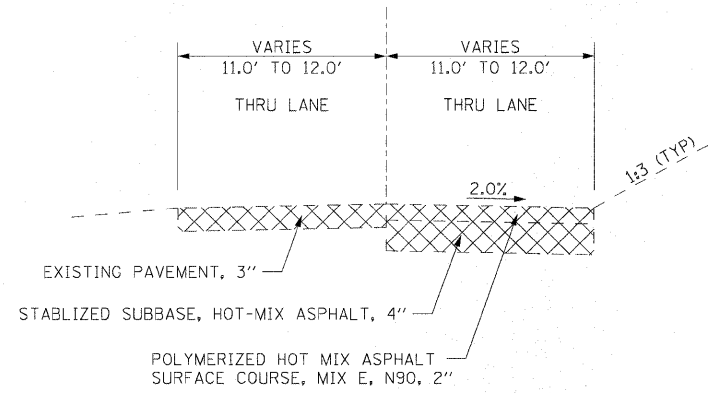
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	PLOT DATE = 6/15/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

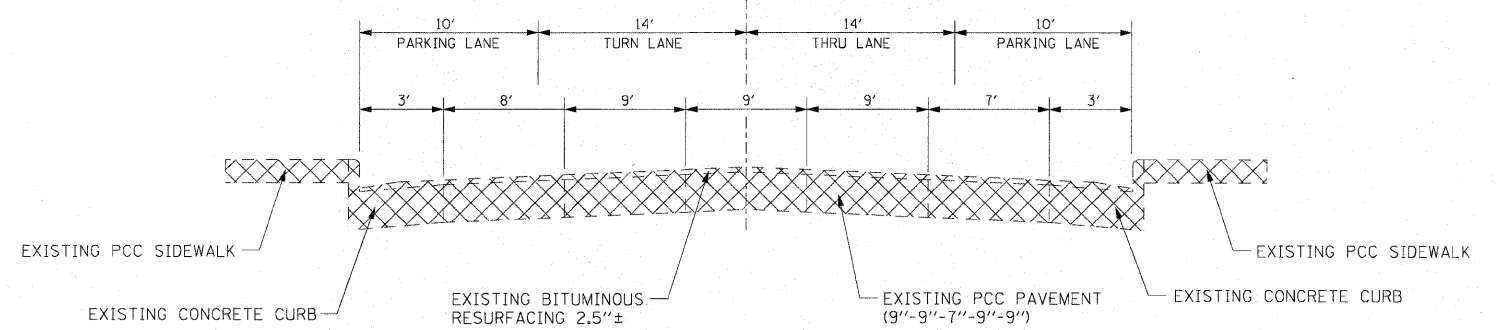
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IL ROUTE 159

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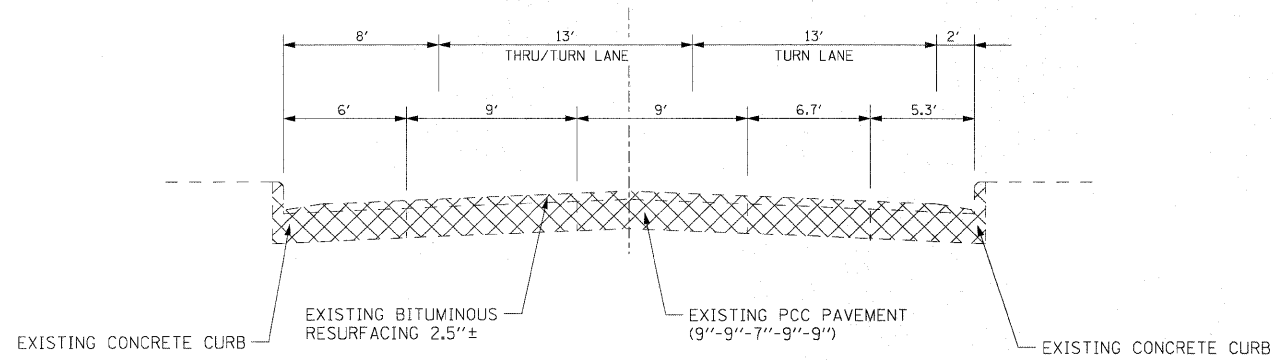
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CONTRACT NO. 76054				
ILLINOIS FED. AID PROJECT				



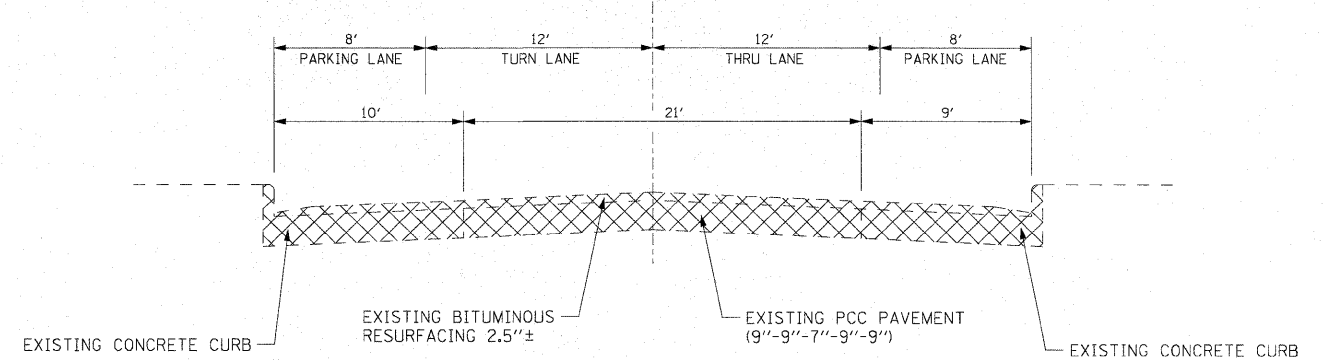
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 ALLEY @ STA 156+02.00 - STA 11+20.00 TO STA 12+75.00



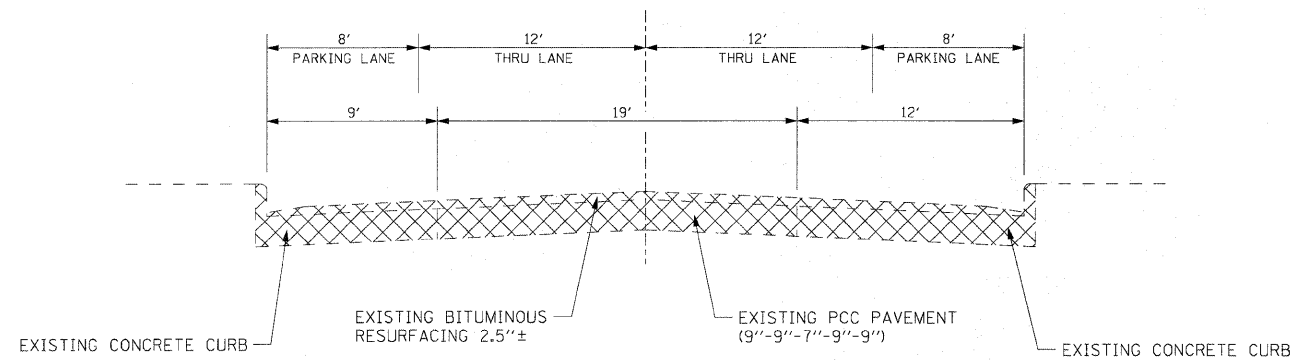
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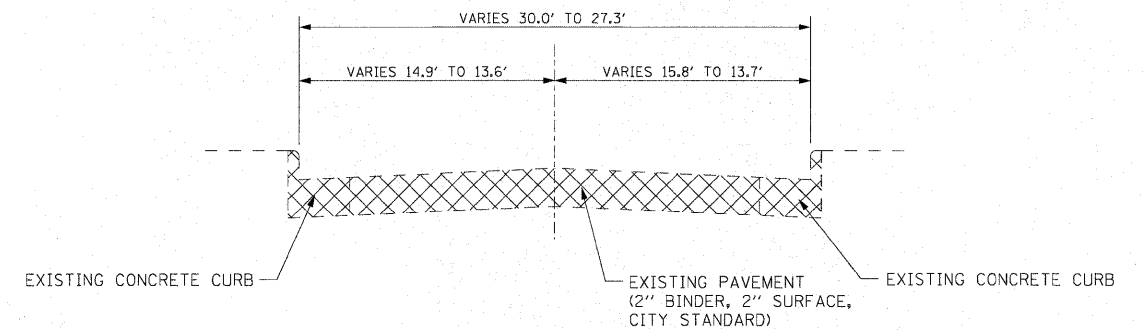
EXISTING TYPICAL SECTION - SIDE ROAD
 E CLAY ST - BETWEEN N MORRISON AVE & VANDALIA ST



EXISTING TYPICAL SECTION - SIDE ROAD
 VANDALIA ST - BETWEEN E MAIN ST & E CLAY ST



EXISTING TYPICAL SECTION - SIDE ROAD
 N MORRISON AVE - BETWEEN E MAIN ST & E CLAY ST



EXISTING TYPICAL SECTION - SIDE ROAD
 JOHNSON ST - STA 11+00.00 TO STA 12+77.00

- EXISTING MATERIAL TO BE REMOVED

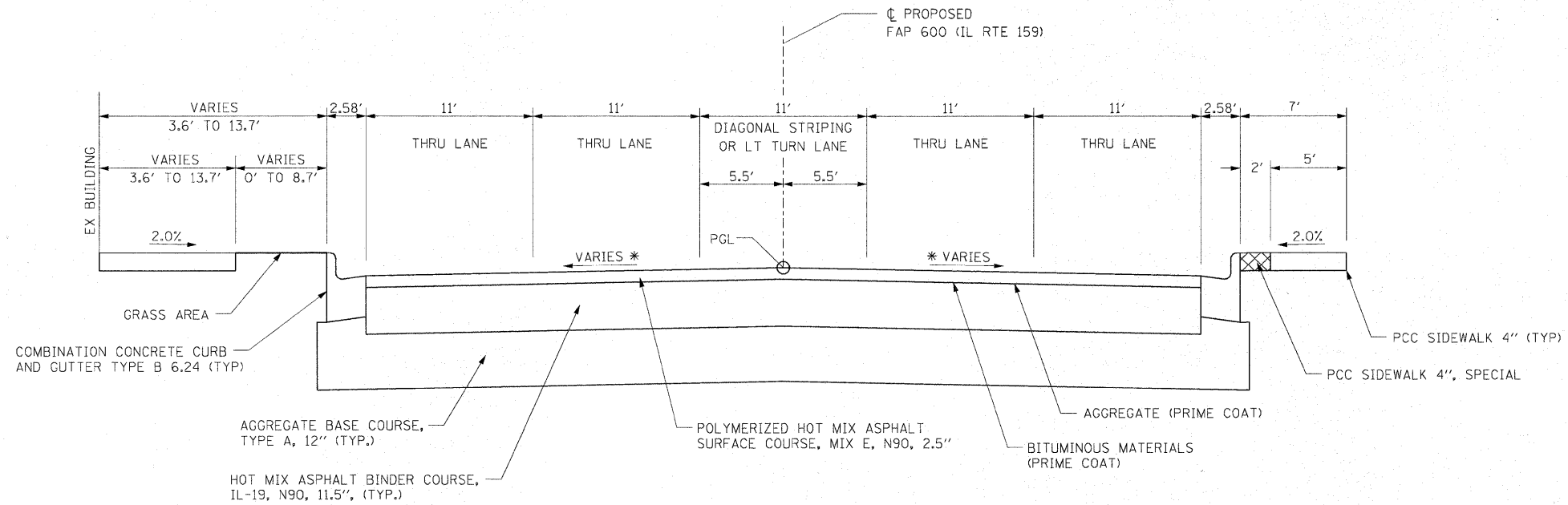
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

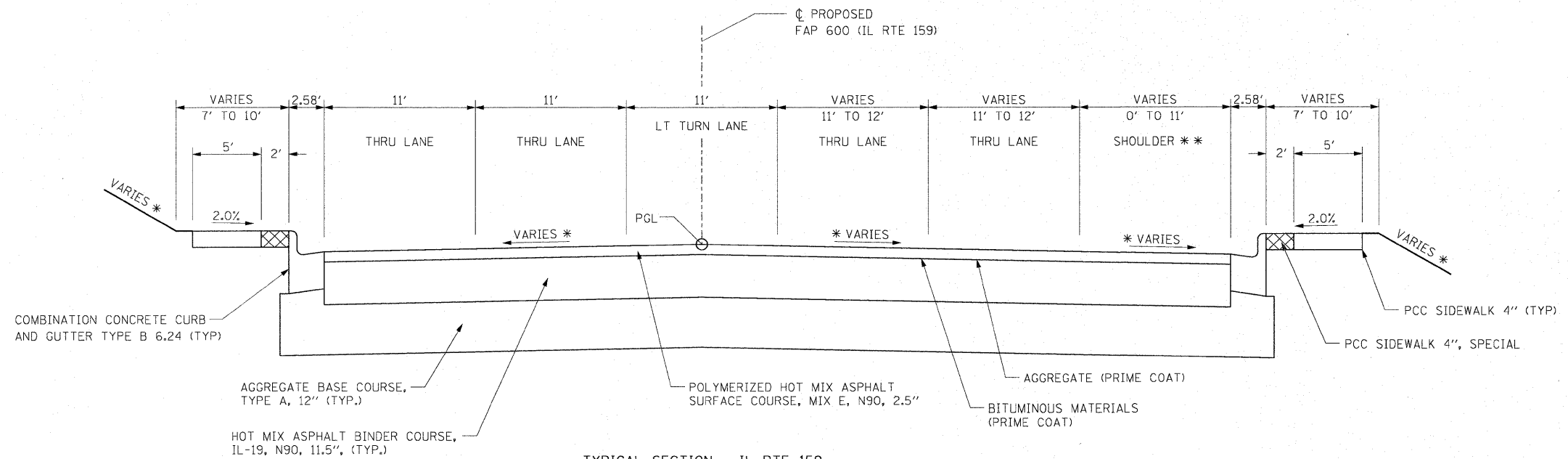
EXISTING TYPICAL SECTIONS
SIDE ROADS

SCALE: N/A SHEET NO. 2 OF 9 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30.31.128)-N-1	MADISON	152	12
CONTRACT NO. 76D54			ILLINOIS FED. AID PROJECT	



TYPICAL SECTION - IL RTE 159
STA 155+90.80 TO STA 158+47.93

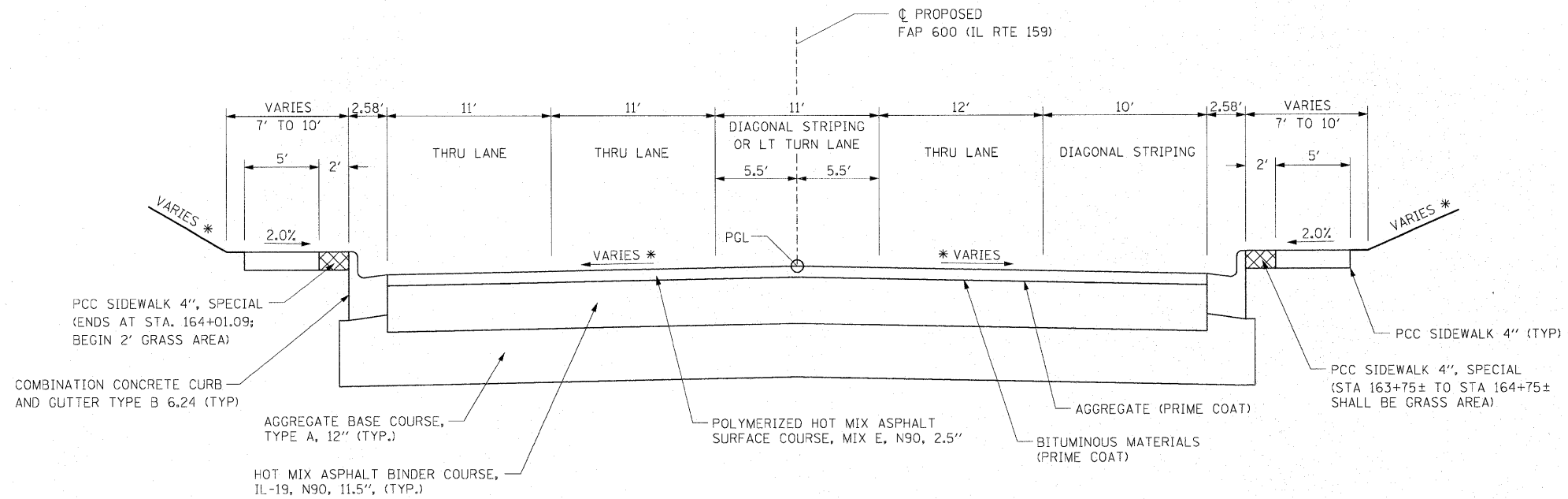


TYPICAL SECTION - IL RTE 159
STA 158+47.93 TO STA 162+92.50

* SEE CROSS SECTIONS AND/OR INTERSECTION DETAILS FOR SLOPE

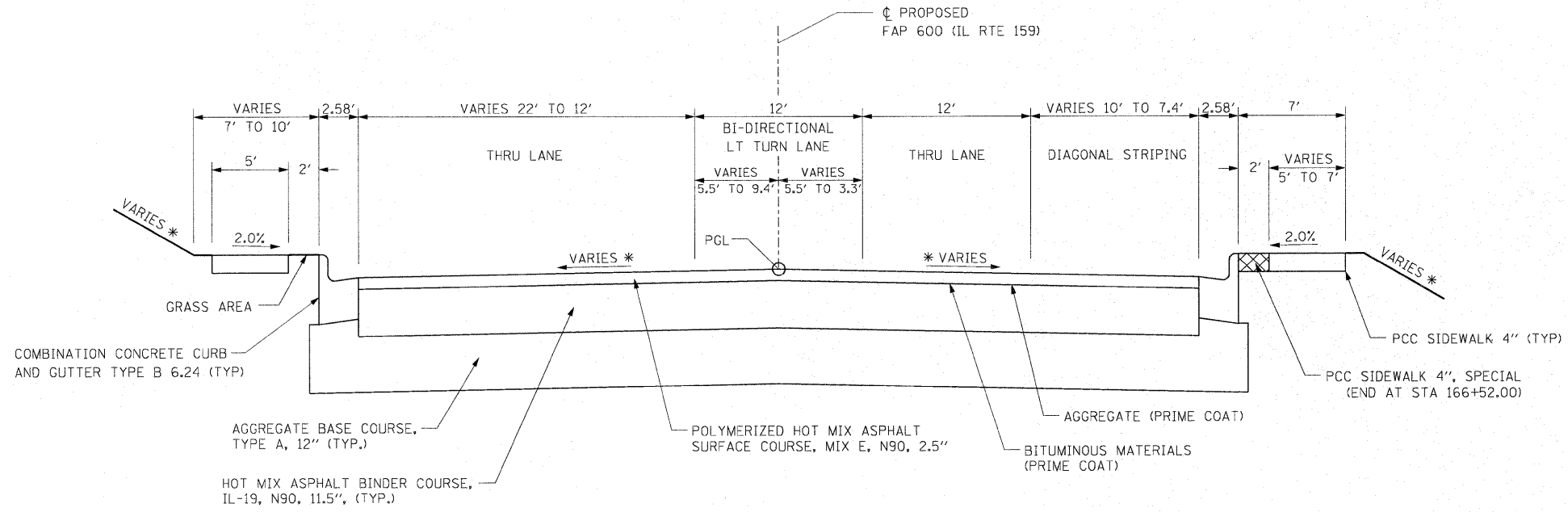
** SHOULDER NECESSARY TO ACCOMMODATE DESIGN VEHICLE TURNING MOVEMENT

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS IL ROUTE 159			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pi\projects\513501\cadd\dgn\0876054-eh1	typical.dgn	DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 3 OF 9 SHEETS	STA. N/A TO STA. N/A	600	60-(30,31,128)-N-1	MADISON	152	13	
		PLOT SCALE = 50.0000' / IN.	CHECKED -										
		PLOT DATE = 6/15/2010	DATE -										
CONTRACT NO. 76054													
ILLINOIS FED. AID PROJECT													



TYPICAL SECTION - IL RTE 159

STA 162+92.50 TO STA 165+36.00

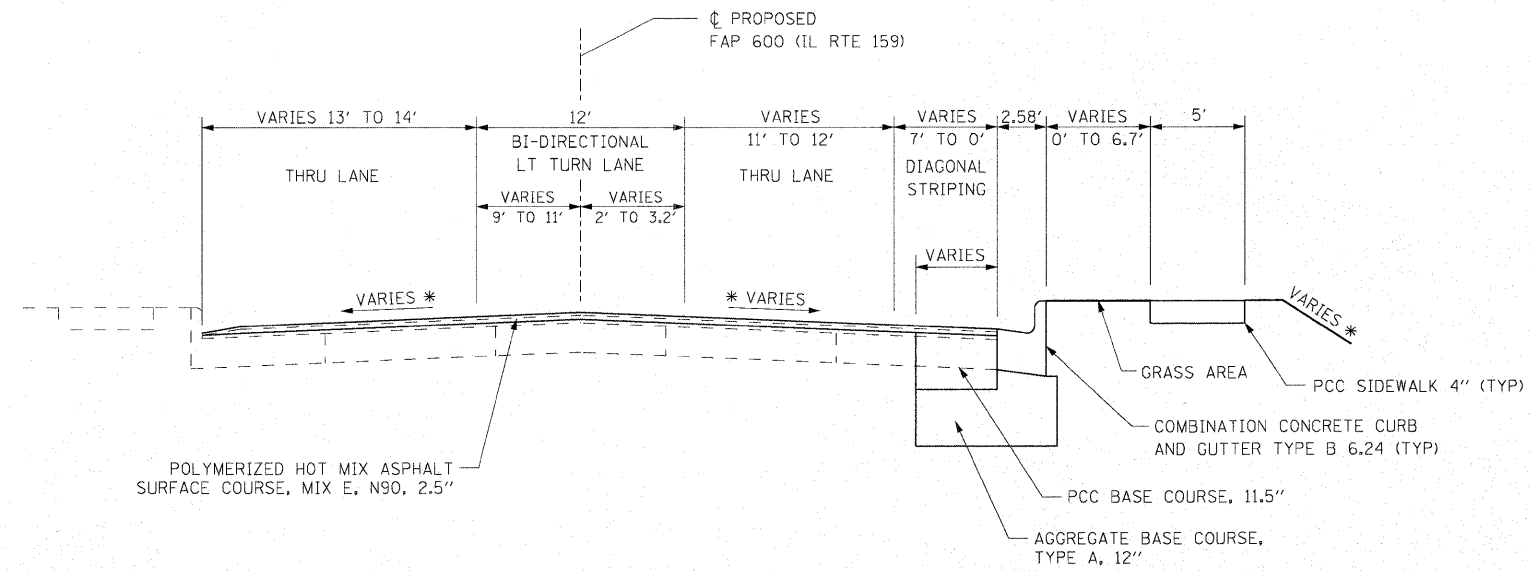


TYPICAL SECTION - IL RTE 159

STA 165+36.00 TO STA 167+65.00

* SEE CROSS SECTIONS AND/OR INTERSECTION DETAILS FOR SLOPE

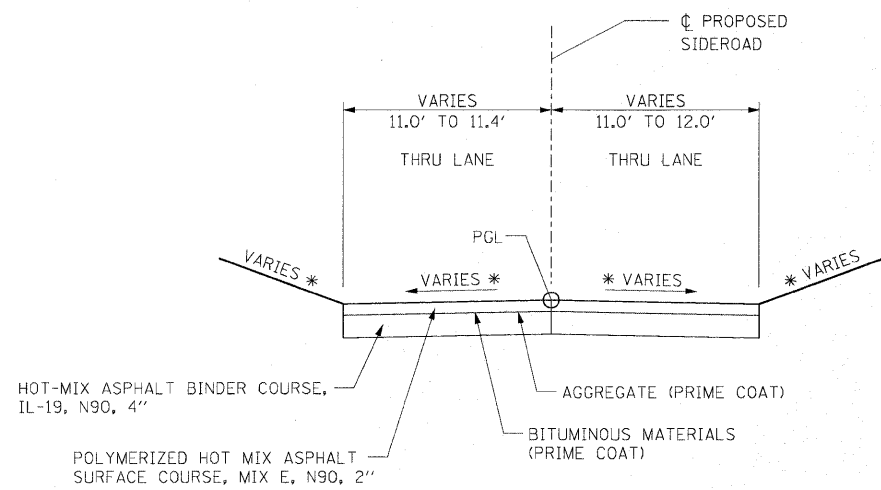
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: N/A	SHEET NO. 4 OF 9 SHEETS	STA. N/A TO STA. N/A	600	60-(30,31,128)-N-1	MADISON	152	14
	PLOT DATE = 6/15/2010	DATE -	REVISED -						ILLINOIS FED. AID PROJECT			
							CONTRACT NO. 76D54					



TYPICAL SECTION - IL RTE 159
 STA 167+65.00 TO STA 168+46.50

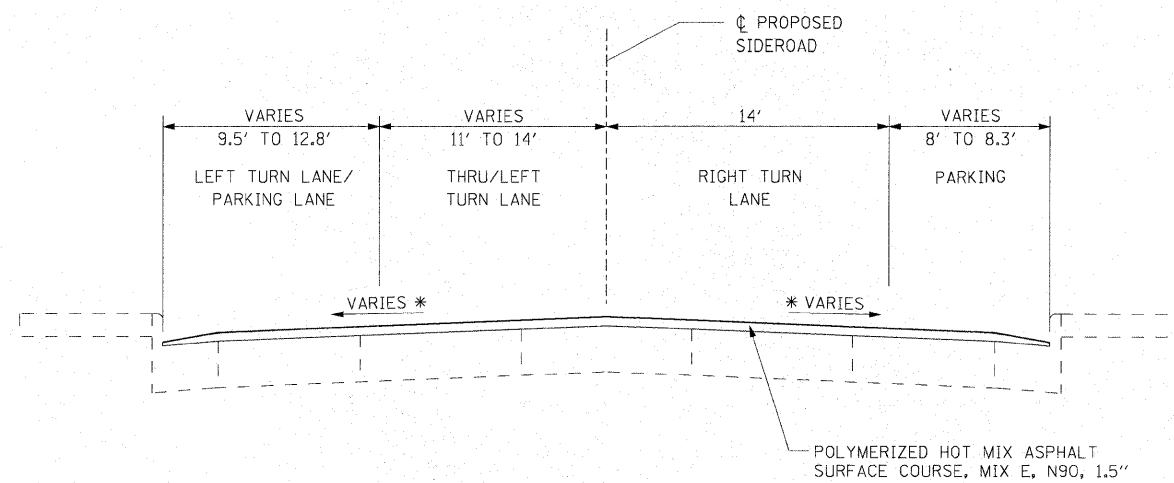
* SEE CROSS SECTIONS AND/OR INTERSECTION DETAILS FOR SLOPE

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS IL ROUTE 159			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ps\projects\513581\cadd\dgn\3876054.sht	typical.dgn	DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 5 OF 9 SHEETS	STA. N/A TO STA. N/A	600	60-(30,31,128)-N-1	MADISON	152	15
		CHECKED -	REVISED -		CONTRACT NO. 76054							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



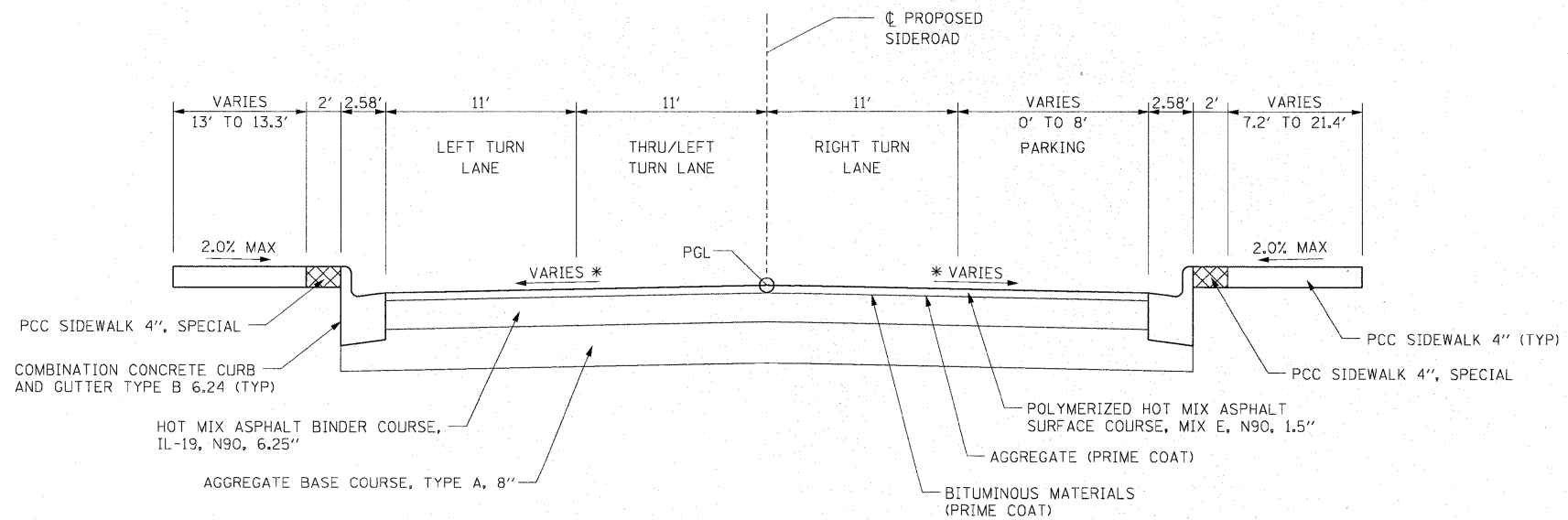
TYPICAL SECTION - SIDEROADS

ALLEY @ STA 156+02.00
 STA 10+85.00 TO STA 11+72.48
 STA 12+27.52 TO STA 12+78.71



TYPICAL SECTION - SIDE ROAD

E. MAIN ST. STA 36+80.00 TO STA 38+75.00

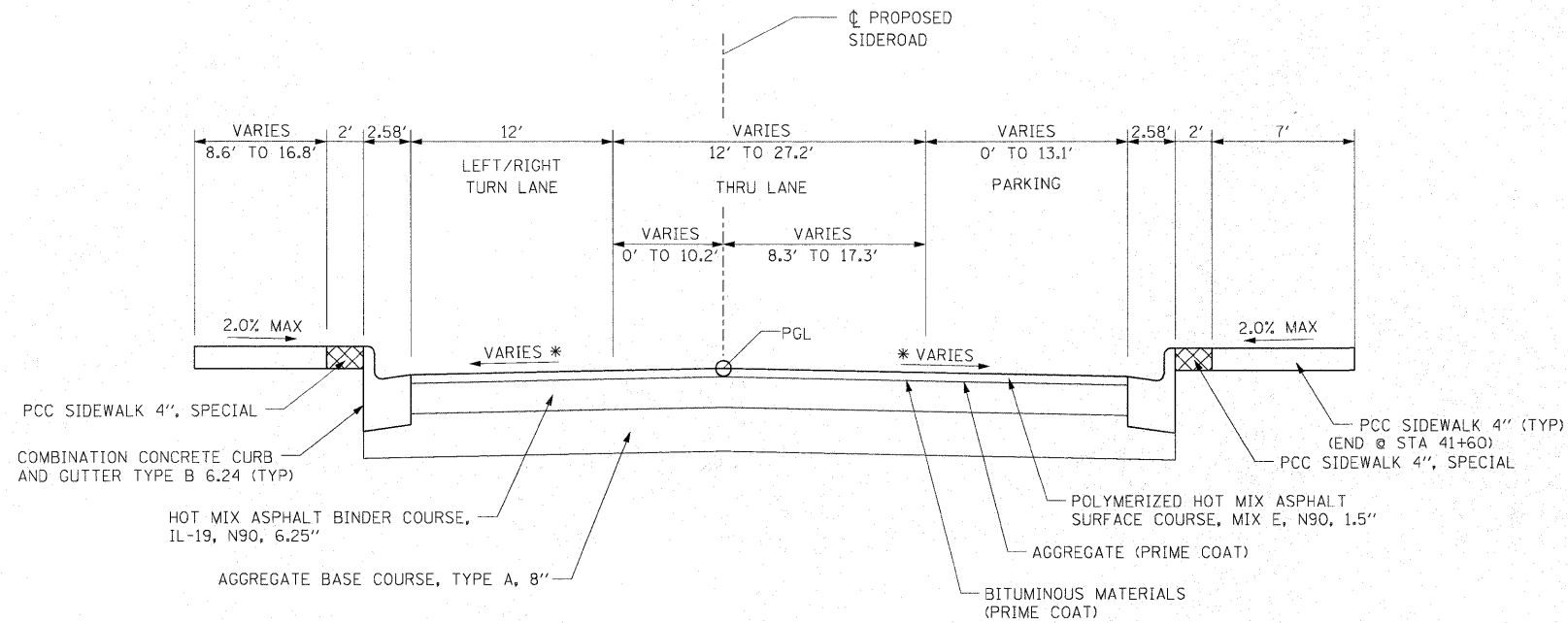


TYPICAL SECTION - SIDE ROAD

E. MAIN ST. STA 38+75.00 TO STA 39+73.94

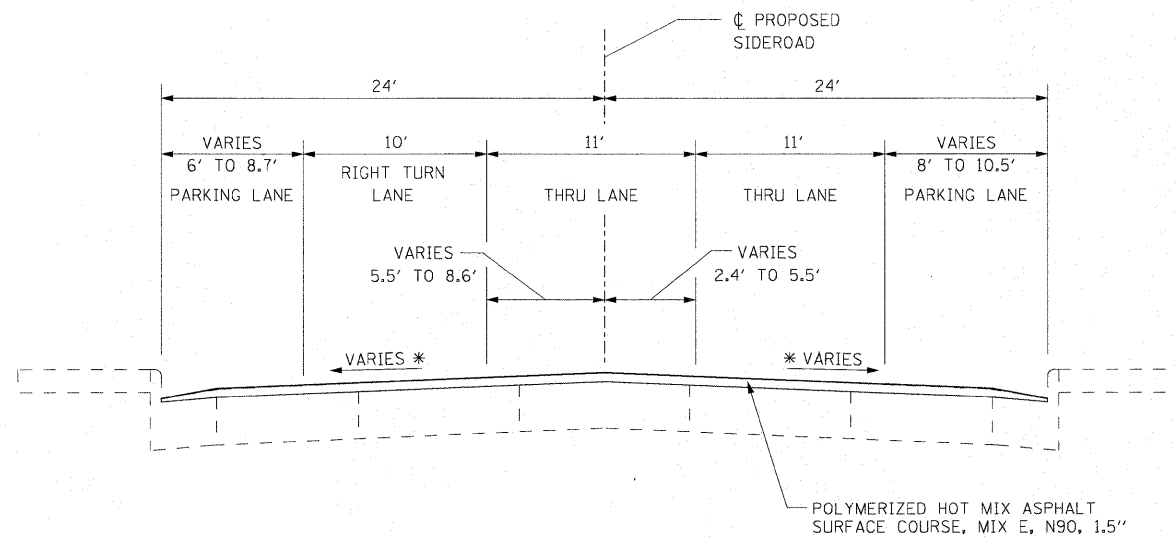
* SEE CROSS SECTIONS AND/OR INTERSECTION DETAILS FOR SLOPE

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PLOT SCALE = 50.0000' / IN.					CHECKED -	SCALE: N/A	SHEET NO. 6 OF 9 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 76054		
PLOT DATE = 6/15/2010					DATE -	ILLINOIS FED. AID PROJECT						
					REVISED -							



TYPICAL SECTION - SIDE ROAD

E. MAIN ST. STA 40+70.32 TO STA 42+00.00

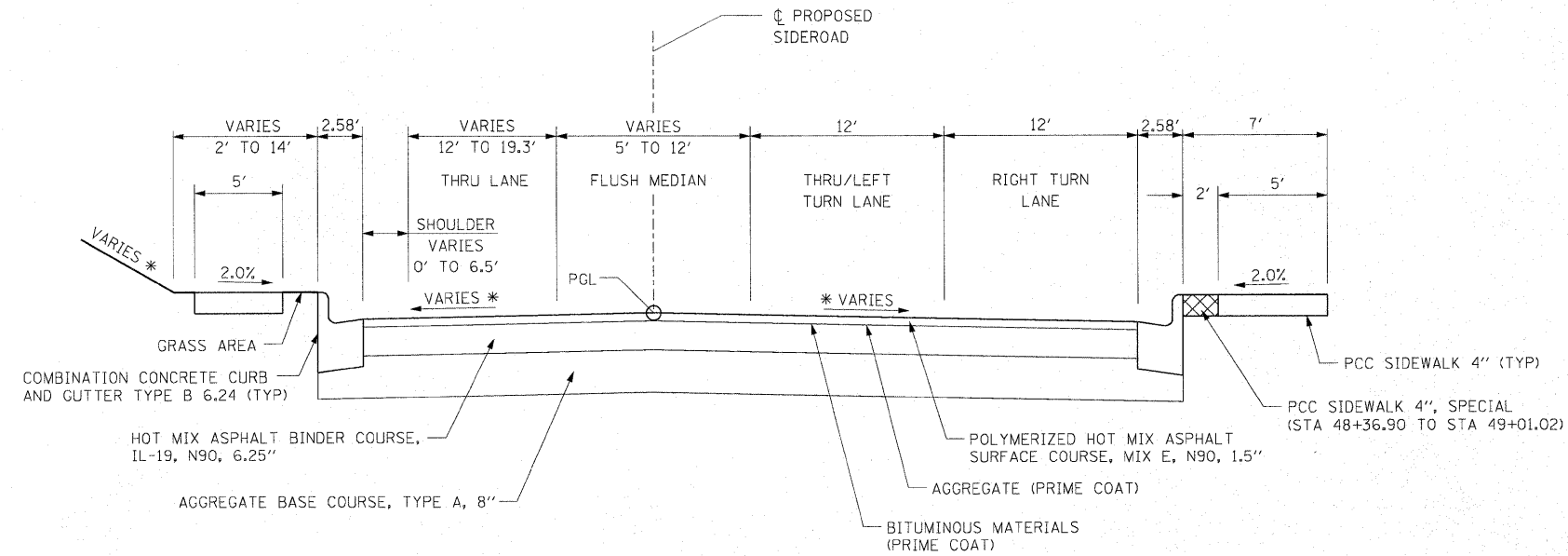


TYPICAL SECTION - SIDE ROAD

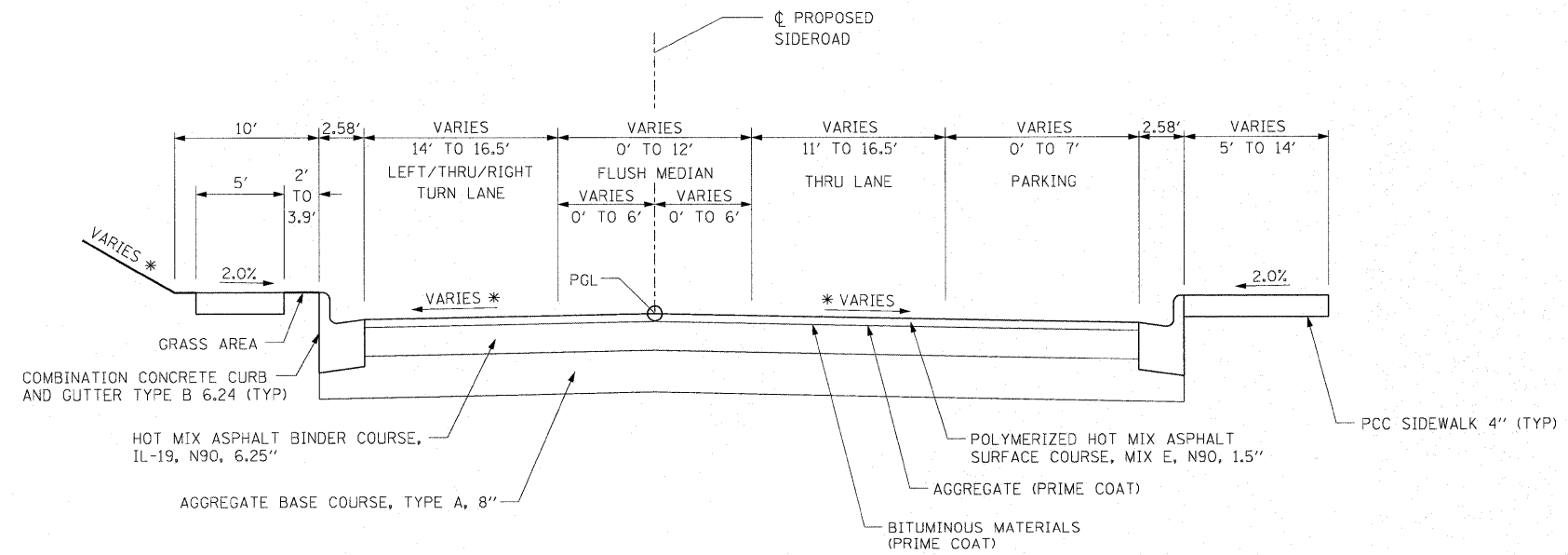
E. MAIN ST. STA 42+00.00 TO STA 42+72.00

* SEE CROSS SECTIONS AND/OR INTERSECTION DETAILS FOR SLOPE

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS SIDE ROADS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pr\projects\513520\cadd\dn\DR76D54-aht	typical.dgn	DRAWN -	REVISED -		600	60-(30,31,128)-N-1	MADISON	152	17			
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: N/A			SHEET NO. 7 OF 9 SHEETS			CONTRACT NO. 76D54	
	PLOT DATE = 6/15/2010	DATE -	REVISED -		STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT				



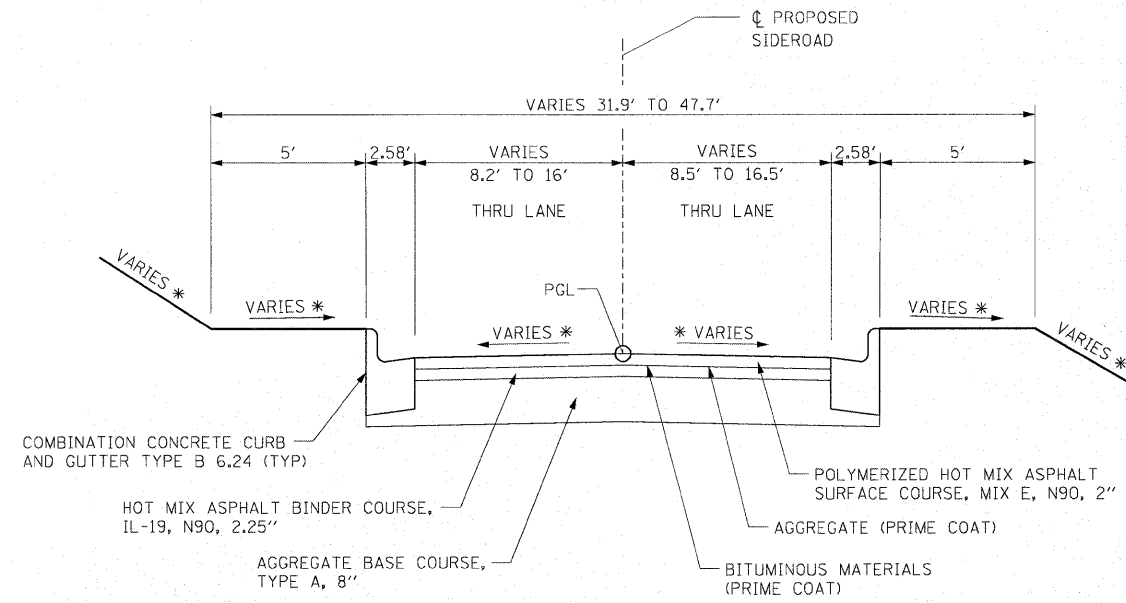
TYPICAL SECTION - SIDE ROAD
E. CLAY ST. STA 47+70.00 TO STA 49+68.36



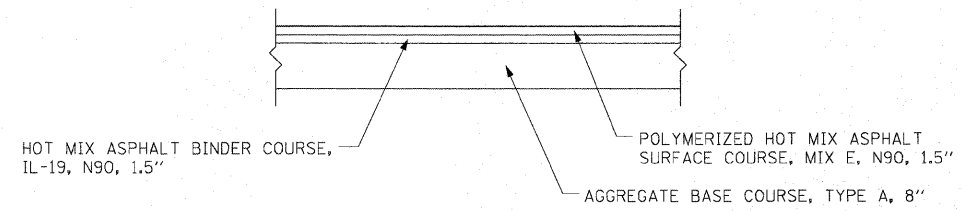
TYPICAL SECTION - SIDE ROAD
E. CLAY ST. STA 50+31.64 TO STA 51+64.00

* SEE CROSS SECTIONS AND/OR INTERSECTION DETAILS FOR SLOPE

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS SIDE ROADS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pr\projects\513601\oad\dgn\0876054.sht	typical.dgn	DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 8 OF 9 SHEETS	STA. N/A TO STA. N/A	600	60-(30,31,128)-N-1	MADISON	152	18
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 76054				
	PLOT DATE = 6/15/2010	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



TYPICAL SECTION - SIDE ROAD
 E. JOHNSON ST.
 STA 11+00.00 TO STA 11+76.45
 STA 12+23.40 TO STA 12+77.00



TYPICAL SECTION
 PARKING LOTS 1, 2, & 3

* SEE CROSS SECTIONS AND/OR INTERSECTION DETAILS FOR SLOPE

FILE NAME = p:\projects\513501\cadd\vdgn\0876054-shd\typical.dgn	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS SIDE ROADS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -					600	60-(30,31,128)-N-1	MADISON	152	19
PLOT DATE = 6/15/2010	DATE -	REVISED -	REVISED -	SCALE: N/A SHEET NO. 9 OF 9 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT CONTRACT NO. 76054					

SIGN REMOVAL SCHEDULE				
LOCATION	SIDE	REMOVE SIGN PANEL ASSEMBLY TYPE A (EA)	REMOVE SIGN PANEL ASSEMBLY TYPE B (EA)	REMOVE SIGN PANEL TYPE 1 (SQ FT)
IL RTE 159				
157+51	LT			2
157+51	LT			5
162+72	LT			4
162+72	LT			2.2
162+72	LT			4
162+72	LT			5
162+72	LT			2.2
163+33	RT			2
163+33	RT			5
163+33	RT			5
163+48	LT		1	
164+30	RT	1		
164+50	LT	1		
165+45	LT	1		
165+77	RT	1		
166+60	RT			6.3
166+64	LT		1	
167+68	LT	1		
168+34	RT	1		
E MAIN ST				
36+86	LT	1		
36+86	RT	1		
38+80	RT		1	
38+80	RT	1		
39+43	RT	1		
39+44	LT		1	
39+47	RT			3
40+27	RT			5
40+68	LT	1		
40+71	RT	1		
41+32	LT	1		
41+66	RT		1	
41+91	LT		1	
42+17	LT			6.2
N MORRISON AVE				
10+40	RT			3
10+40	RT			6.3
10+42	LT			4
10+75	RT	1		
10+91	LT	1		
10+91	LT		1	
11+27	RT	1		
11+62	LT	1		
12+02	RT			3
12+02	RT			4
12+02	RT			3
12+02	RT			4
12+25	LT	1		
12+25	LT			5
12+51	RT	1		
13+10	LT			2
13+10	LT			5
13+10	LT			1
E CLAY ST				
47+88	LT	1		
48+33	LT			2
48+33	LT			5
48+33	LT			2.2
48+33	LT			5
48+33	LT			2.2
48+87	RT			4
49+05	LT	1		
49+81	RT	1		
49+96	LT			5
50+05	RT		1	
50+38	RT	1		
51+05	LT			4
51+10	RT	1		
51+19	LT			4
51+57	RT	1		
51+58	LT			3
E JOHNSON ST				
11+60	RT	1		
12+33	LT	1		
12+35	LT	1		
VANDALIA ST				
10+52	LT			2
10+52	LT			5
10+52	LT			2.2
10+88	LT	1		
11+13	RT	1		
11+15	LT	1		
11+67	RT	1		
13+58	RT			4
13+58	RT			6.3
TOTAL		32	8	153

CURB & GUTTER REMOVAL SCHEDULE				
LOCATION	SIDE	CC&G REMOVAL (FT)	CURB REMOVAL (FT)	
IL RTE 159				
156+11.92 TO 157+62.90	LT	156		
156+13.88 TO 157+72.59	RT	164		
162+64.76 TO 162+97.83	LT	37		
163+06.68 TO 163+52.04	RT	54		
163+36.47 TO 163+52.02	LT	19		
163+75.78 TO 166+59.04	RT		300	
163+87.16 TO 164+11.43	LT	24		
164+45.66 TO 166+77.35	LT	231		
167+19.94 TO 168+45.60	RT	129		
167+21.31 TO 167+65.00	LT	45		
E MAIN ST				
38+74.87 TO 39+55.38	LT	83		
38+75.12 TO 39+56.49	RT	93		
40+03.05 TO 41+59.45	LT	178		
40+04.87 TO 41+59.98	RT	156		
N MORRISON AVE				
10+29.08 TO 11+18.03	RT	90		
10+30.64 TO 11+83.24	LT	156		
VANDALIA ST				
11+97.33 TO 13+68.73	LT	172		
12+63.76 TO 13+70.17	RT	108		
E CLAY ST				
48+21.69 TO 50+15.06	LT	210		
48+25.90 TO 49+81.77	RT	173		
50+31.05 TO 51+64.00	RT	141		
50+82.83 TO 51+64.06	LT	86		
E JOHNSON ST				
11+00.00 TO 11+70.57	LT	72		
11+00.00 TO 11+71.45	RT	73		
12+21.85 TO 12+61.25	RT	49		
12+24.18 TO 12+77.00	LT	54		
12+81.80 TO 12+85.93	RT	12		
TOTAL		2765	300	

STORM SEWER REMOVAL SCHEDULE			
LOCATION	10" (FT)	12" (FT)	
IL RTE 159	10	82	
E MAIN ST		228	
E CLAY ST (WEST)		53	
E CLAY ST (EAST)		87	
E JOHNSON ST		325	
TOTAL	10	775	

DRIVEWAY PAVEMENT REMOVAL SCHEDULE			
LOCATION	SIDE	TYPE	DRIVEWAY PAVEMENT REMOVAL (SQ YD)
IL RTE 159			
162+67.59 TO 163+37.97	LT	BIT	21
163+17.33	LT	CONC	31
163+33.76 TO 164+57.66	LT	BIT	212
163+63.96	RT	CONC	28
163+67.44	LT	CONC	51
164+26.48	LT	CONC	52
ALLEY 156+02			
11+00.92 TO 11+68.08	LT	BIT	103
N MORRISON AVE			
11+83.02	RT	CONC	39
13+32.68	RT	CONC	51
E CLAY ST			
49+27.99 TO 50+10.92	LT	BIT	30
49+71.01	LT	CONC	34
TOTAL			653

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL			
LOCATION	RAISED REFLECTIVE PAVEMENT MARKERS		
	ONE WAY CRYSTAL MARKER (EA)	TWO WAY AMBER MARKER (EA)	
E MAIN ST			
40+69 TO 42+72	5		
E CLAY ST			
47+70 TO 79+27		6	
50+41 TO 51+64		4	
IL RTE 159			
162+81 TO 167+00		22	
VANDALIA ST			
10+27 TO 13+57	8		
N MORRISON AVE			
10+37 TO 13+64	8		
TOTAL		53	

MANHOLE AND INLET REMOVAL SCHEDULE			
LOCATION	OFFSET	MANHOLE (EACH)	INLET (EACH)
IL RTE 159			
157+55	33' LT		1
157+64	30' LT	1	
166+78	22' LT	1	
166+84	267' RT	1	
166+84	39' LT		1
E CLAY ST			
48+33	25' RT		1
50+77	18' RT		1
TOTAL		3	4

MEDIAN REMOVAL SCHEDULE		
LOCATION	SIDE	MEDIAN REMOVAL (SQ FT)
IL RTE 159		
162+22.44	RT	110
E MAIN ST		
41+91.13	LT	176
TOTAL		286

PAVEMENT REMOVAL SCHEDULE	
LOCATION	PAVEMENT REMOVAL (SQ YD)
IL RTE 159	
155+69.56 TO 157+97.29	929
162+80.43 TO 167+65.00	2244
ALLEY 156+02.00	
10+85.00 TO 11+74.86	235
12+22.57 TO 12+75.00	148
E MAIN ST	
38+74.99 TO 39+59.42	445
39+99.46 TO 41+99.67	1083
N MORRISON AVE	
10+00.00 TO 13+77.92	1678
VANDALIA ST	
10+23.90 TO 13+76.63	1585
E CLAY ST	
47+70.00 TO 51+64.02	1713
E JOHNSON ST	
11+00.00 TO 11+76.66	276
12+16.78 TO 12+77.00	208
TOTAL	10545

EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION (CY)	EXCAVATION ADJUSTED FOR SHRINKAGE (CY)	EMBANKMENT (CY)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)
IL RTE 159	6085	4563	99	4465
ALLEY 156+02	63	47		47
E MAIN ST	470	352	4	348
E CLAY ST	716	537	2	535
E JOHNSON ST	303	227	2	225
PARKING LOT 1	475	356	1	355
PARKING LOT 2	328	246	121	125
PARKING LOT 3	199	149	15	134
TOTAL	8638	6479	244	6235

SIDEWALK REMOVAL SCHEDULE		
LOCATION	SIDE	SIDEWALK REMOVAL (SQ FT)
IL RTE 159		
156+11.66 TO 157+59.65	LT	1224.6
156+13.87 TO 157+68.91	RT	1347.0
162+66.17 TO 163+66.60	LT	633.1
163+11.72 TO 165+53.54	RT	2416.4
163+80.31 TO 164+16.20	LT	212.9
164+40.24 TO 166+78.49	LT	1971.9
167+17.55 TO 168+47.00	RT	728.6
167+21.14 TO 167+65.00	LT	408.6
E MAIN ST		
38+90.00 TO 39+51.52	LT	851.9
38+90.06 TO 39+52.46	RT	1211.6
40+08.07 TO 41+56.79	LT	2028.6
40+09.03 TO 41+60.00	RT	1692.3
N MORRISON AVE		
10+32.99 TO 11+69.43	RT	1914.3
10+34.05 TO 10+68.98	LT	393.5
11+94.82 TO 13+15.90	RT	1705.1
VANDALIA ST		
11+49.34 TO 13+66.25	LT	382.5
13+38.28 TO 13+67.52	RT	321.0
E CLAY ST		
48+22.46 TO 50+12.99	LT	1948.0
48+32.88 TO 49+78.65	RT	2209.7
50+34.20 TO 51+64.10	RT	1120.4
50+87.66 TO 51+45.92	LT	1184.6
E JOHNSON ST		
11+00.00 TO 11+63.74	RT	239.1
12+30.62 TO 12+81.95	RT	206.2
TOTAL		26352

SIGNING SCHEDULE								
LOCATION	OFFSET	TYPE	SIGN PANEL TYPE 1 (SQ FT)	SIGN PANEL TYPE 1 SPECIAL (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (SPECIAL) (FT)	DECORATIVE SIGN POST (EA)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EA)	COMMENTS
IL RTE 159								
157+35	86' RT	R7-8A	1.5		14			
159+37	40' RT	M3-1	3.2		15		1	
		M1-1100	5.0					
		XM-31		6.0				
159+65	32' LT	R2-1	7.5		10		1	
	36' RT	R2-1	7.5		10		1	
160+76	32' LT	M3-3	3.2		15		1	
		M1-1100	5.0					
		XM-31		6.0				
160+06	36' RT	R3-7 R	6.3		10		1	
ALLEY 156+02								
11+58	17' RT	R1-1	9.0			1		
12+43	17' LT	R1-1	9.0			1		
12+47	23' LT	R1-1	9.0			1		
	23' LT	SPECIAL	5.0					MUNICIPAL PARKING LOT
E MAIN ST								
39+30	20' RT	W11A-2	9.0		10		1	
		R5-1	9.0					
39+30	29' LT	W11A-2	9.0		10		1	
		R5-1	9.0					
41+53	35' LT	R1-1	9.0			1		
41+99	26' RT	W11A-2	9.0		10		1	
42+13	27' LT	W11A-2	9.0		10			
N MORRISON AVE								
11+58	13' LT	R7-8A	1.5		14			
11+58	5' RT	R7-8A	1.5		14			
13+05	22' RT	R6-2r	3.0		14			
13+53	25' RT	R1-1	9.0			1		
		SPECIAL	5.0					MUNICIPAL PARKING LOT
VANDALIA ST								
10+55	22' RT	SPECIAL	5.0		10		1	MUNICIPAL PARKING LOT
11+71	62' LT	R7-8A	1.5		14			
11+81	8' LT	R6-2r	3.0		14			
11+89	54' LT	R7-8A	1.5		14			
E JOHNSON ST								
11+47	23' RT	R1-1	9.0			1		
		W17-1100	1.5					E JOHNSON ST
		W17-1100	1.5					VANDALIA ST
12+54	20' LT	R1-1	9.0			1		
TOTAL			186	12	208	7	9	

TREE FRAME AND GRATE SCHEDULE				
LOCATION	SIDE	TREE FRAME AND GRATE (EA)	REMOVE AND RELOCATE TREE FRAME AND GRATE (EA)	NOTES
IL RTE 159				
156+60	RT	1		
157+10	RT	1		
E MAIN ST				
39+05	RT		1	RELOCATE FROM MAIN ST STA 39+90 RT
39+05	LT		1	RELOCATE FROM MAIN ST STA 39+90 LT
TOTAL		2	2	

DETECTABLE WARNINGS		
LOCATION	SIDE	DETECTABLE WARNINGS (SQ FT)
IL RTE 159		
156+17	LT	8
156+25	RT	10
157+69	LT	6
157+71	RT	6
158+73	RT	8
162+92	LT	8
163+17	RT	44
164+04	LT	10
164+48	LT	10
E MAIN ST		
39+38	LT	6
39+38	RT	6
40+63	RT	6
41+31	LT	8
E CLAY ST		
48+25	LT	10
48+34	RT	10
48+37	LT	10
49+08	RT	8
49+45	LT	8
50+61	RT	8
E JOHNSON ST		
11+60	LT	10
11+60	RT	10
12+41	LT	10
12+41	RT	10
PARKING LOT 1	N/A	10
PARKING LOT 2	N/A	10
PARKING LOT 3	N/A	10
	N/A	10
TOTAL		270

PATCHING SCHEDULE						
LOCATION	SIDE	APPROXIMATE SIZE FT X FT	PAVEMENT PATCHING, TYPE II, 17" (SQ YD)		PAVEMENT PATCHING, TYPE IV, 17" (SQ YD)	
			STAGE II	STAGE III	STAGE II	STAGE III
IL 159						
168+36.62	LT/RT	6 X 36			29	
E MAIN ST						
38+70.58	RT	9.0 X 13.0	11			
42+00.00 TO 42+74.30	RT	6.0 X 72.0			52	
E CLAY ST						
47+64.88	RT	7.0 X 10.0		8		
TOTAL			19		81	

TEMPORARY PAVEMENT SCHEDULE			
LOCATION	SIDE	HMA SURFACE COURSE, MIX "D", N90, 1 1/2" (TON)	HMA BINDER COURSE, IL-19.0, N90, 9 1/4" (TON)
IL RTE 159			
162+14.56 TO 162+29.57	RT	1.0	6.3
164+25.19 TO 166+81.98	RT	16.3	100.4
167+19.03 TO 168+24.16	RT	4.3	26.6
E MAIN ST.			
41+81.88 TO 42+00.41	LT	1.6	10.1
TOTAL		23	143

LOCATION	POLYMERIZED HMA SURFACE COURSE, MIX E, N90 (TON)			HMA BINDER COURSE, IL-19.0, N90 (TON)				AGGREGATE BASE COURSE, TYPE A (SQ YD)	PCC BASE COURSE, 11.5" (SQ YD)	HMA SURFACE REMOVAL, VARIABLE DEPTH (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (TON)	AGGREGATE (PRIME COAT) (TON)	AGGREGATE FOR TEMPORARY ACCESS (TON)		
	1.5"	2.0"	2.5"	1.5"	2.25"	4"	6.25"							11.5"	
IL 159															
155+69.56 TO 167+65.00				1019.9				4691.5		7680.8	2.28	14.6			
167+65.00 TO 168+46.50				53.5				8.4		18.4	5.3	363.8	0.12	0.8	
ALLEY 156+02														221.4	
10+85.00 TO 11+72.70		25.2								233.3	0.07	0.4			
12+27.77 TO 12+75.00		15.4								144.9	0.04	0.3			
E MAIN ST															
36+80.00 TO 38+75.00		83.3									992.0				
38+75.00 TO 39+73.94		39.7								165.6	0.15	0.9			
40+37.39 TO 42+00.07		87.6								365.1	0.33	2.1			
42+00.07 TO 42+72.00		32.8									390.7				
E CLAY ST														39.0	
47+70.00 TO 49+68.36		124.9								520.3	0.47	3.0			
50+31.64 TO 51+64.00		63.1								263.1	0.24	1.5			
E JOHNSON ST														177.4	
11+00.00 TO 11+76.48		38.1			42.9					399.8	0.11	0.7			
12+23.40 TO 12+77.00		28.6			32.2					302.5	0.08	0.5			
PARKING LOT 1		51.4			51.4					648.3	0.19	1.2		418.2	
PARKING LOT 2		126.7			126.7					1579.3	0.47	3.0			
PARKING LOT 3		111.5			111.5					1388.0	0.42	2.7			
TOTAL			1902			6460			8805	7699	5	1746	5.0	31.7	856

STRIPING SCHEDULE											
LOCATION	TYPE	THERMOPLASTIC PAVEMENT MARKING						RAISED REFLECTIVE PAVEMENT MARKERS			
		LETTERS & SYM (SQ FT)	4" STRIPE		6" STRIPE	12" STRIPE		24" STRIPE	ONE WAY CRYSTAL (EA)	ONE WAY AMBER (EA)	TWO WAY AMBER (EA)
			WHITE (FT)	YELLOW (FT)	WHITE (FT)	WHITE (FT)	YELLOW (FT)	WHITE (FT)			
IL RTE 159 151+77.16 TO 157+71.91	LETTERS AND SYMBOLS YELLOW DIAGONAL CROSSWALK STOP BAR SKIP DASH DOUBLE SOLID YELLOW SOLID WHITE	31.2							14	8	4
						159	60			29	
			224								
			124	465							
158+56.24 TO 162+06.01	LETTERS AND SYMBOLS WHITE DIAGONAL STOP BAR SKIP DASH DOUBLE SOLID YELLOW SOLID WHITE	93.6							16		8
						97				67	
			196								
				313							
			503								
162+89.84 TO 168+46.50	WHITE DIAGONAL YELLOW DIAGONAL CROSSWALK STOP BAR SKIP DASH DOUBLE SOLID YELLOW SOLID WHITE					271	26		6	6	17
						161					
								33			
			84								
			1208	345							
ALLEY 157+00 10+85.00 TO 11+68.38	CROSSWALK STOP BAR					64				12	
11+68.38 TO 12+78.71	CROSSWALK STOP BAR					65				12	
MAIN ST 36+80.00 TO 39+40.73	LETTERS AND SYMBOLS CROSSWALK STOP BAR SKIP DASH SOLID WHITE	114.4				70			7		
								33			
			91								
			448								
40+60.32 TO 42+72.00	LETTERS AND SYMBOLS WHITE DIAGONAL CROSSWALK STOP BAR DOUBLE SOLID YELLOW SOLID WHITE	15.6				45					5
						145					
								22			
			364	197							
CLAY ST 47+50.00 TO 49+44.67	LETTERS AND SYMBOLS WHITE DIAGONAL CROSSWALK STOP BAR SOLID WHITE DOUBLE SOLID YELLOW	83.2				162			3	6	
						420					
			298			46					
				215							
50+57.57 TO 51+64.00	YELLOW DIAGONAL CROSSWALK STOP BAR DOUBLE SOLID YELLOW					115	26				5
						24					
				220							
JOHNSON ST 11+00.00 TO 11+63.12	CROSSWALK STOP BAR DOUBLE SOLID YELLOW					105		19			2
				57							
12+37.88 TO 12+77.00	CROSSWALK STOP BAR DOUBLE SOLID YELLOW					94		16			1
				33							
PARKING LOT 1	SOLID WHITE LETTERS AND SYMBOLS	4.6	293								
PARKING LOT 2	SOLID WHITE CROSSWALK LETTERS AND SYMBOLS		403			87					
		9.2									
PARKING LOT 3	SOLID WHITE CROSSWALK LETTERS AND SYMBOLS		530			110					
		9.2									
SUBTOTAL		361	4766	1845	396	1782	209	208	46	25	37
TOTAL		361	6611	396		1991		208			108

TEMPORARY STRIPING SCHEDULE						
LOCATION	TEMPORARY PAVEMENT MARKING (FT)					
	4" LINE		6" LINE	12" LINE		24" LINE
	SOLID WHITE	DOUBLE SOLID YELLOW	SOLID WHITE	SOLID WHITE	SOLID YELLOW	SOLID WHITE
STAGE 1	382	623		246	37	
STAGE 2 - PHASE 1	1685	188		211	27	31
STAGE 2 - PHASE 2	506	325		219	95	
STAGE 3 - PHASE 1	1907	1626		200	136	
STAGE 3 - PHASE 2	744			35		
STAGE 4 - PHASE 1	1975	1246		48	114	
STAGE 4 - PHASE 2	291					
STAGE 5	3540	1845	396	1782	209	208
SUBTOTAL	11030	5853	396	2741	618	208
TOTAL	16883		396		3359	208

SIDEWALK SCHEDULE		
LOCATION	SIDE	PCC SIDEWALK, 4" (SQ FT)
IL RTE 159		
156+13.07 TO 157+68.40	LT	1117
156+21.39 TO 157+69.24	RT	750
158+25.76 TO 161+42.33	LT	1732
158+57.16 TO 162+26.56	RT	2164
162+61.89 TO 164+06.13	LT	788
163+17.13 TO 166+80.52	RT	2051
164+44.67 TO 166+84.59	LT	1756
167+24.04 TO 168+47.06	RT	716
167+23.25 TO 167+65.00	LT	399
E MAIN ST		
38+69.20 TO 39+52.72	RT	1265
38+86.93 TO 39+66.93	LT	1205
40+36.73 TO 41+60.00	RT	1280
40+70.98 TO 41+59.16	LT	1109
E CLAY ST		
48+22.26 TO 49+77.56	LT	991
48+29.88 TO 49+06.29	RT	406
50+29.85 TO 51+64.00	RT	1191
50+86.03 TO 51+64.00	LT	484
PARKING LOT 2	N/A	115
PARKING LOT 3	N/A	557
TOTAL		20076

SPECIAL SIDEWALK SCHEDULE		
LOCATION	SIDE	PCC SIDEWALK SPECIAL, 4" (SQ FT)
IL RTE 159		
156+27 TO 157+50	RT	227
158+37 TO 161+34	LT	606
158+79 TO 162+05	RT	609
162+41 TO 162+82	LT	94
163+02 TO 164+01	LT	193
163+22 TO 163+75	RT	109
164+75 TO 166+52	RT	463
E MAIN ST		
38+69 TO 39+31	RT	196
38+87 TO 39+31	LT	133
40+70 TO 41+60	RT	180
40+91 TO 41+35	LT	72
E CLAY ST		
48+37 TO 49+01	RT	130
TOTAL		3012

CURB AND GUTTER SCHEDULE				
LOCATION	SIDE	CCC&G TYPE B-6.24 (FT)	CCC&G TYPE B-6.12 (FT)	CONCRETE CURB TYPE B (FT)
IL RTE 159				
156+16.22 TO 157+70.27	LT	162.1		
156+22.81 TO 157+70.99	RT	149.5		
158+24.18 TO 161+44.56	LT	338.0		
158+55.01 TO 162+27.86	RT	368.5		
162+59.73 TO 166+72.15	LT	414.3		
163+14.90 TO 166+74.32	RT	375.1		
167+27.09 TO 168+46.50	RT	123.7		
167+28.10 TO 167+65.00	LT	40.6		
ALLEY 156+02				
11+51.59 TO 11+67.35	LT	17.0		
12+32.82 TO 12+48.22	LT	18.2		
E MAIN ST				
38+74.88 TO 39+68.54	LT	95.6		
38+69.16 TO 39+54.63	RT	92.5		
40+34.98 TO 41+59.99	RT	128.3		
40+86.91 TO 41+61.74	LT	118.7		
E CLAY ST				
48+19.31 TO 49+80.02	LT	174.4		
48+29.40 TO 49+08.52	RT	89.6		
50+28.56 TO 51+64.00	RT	143.1		
50+83.80 TO 51+64.00	LT	89.0		
E JOHNSON ST				
11+00.00 TO 11+60.49	RT	64.6		
11+00.00 TO 11+63.81	LT	67.7		
12+38.83 TO 12+77.00	RT	40.0		
12+36.69 TO 12+77.00	LT	44.2		
PARKING LOT 1	N/A		149.7	182.0
PARKING LOT 2	N/A	30.1	306.2	273.7
PARKING LOT 3	N/A		302.7	150.1
TOTAL		3184.8	758.6	606.0

ENTRANCE SCHEDULE						
LOCATION	SIDE	TYPE	WIDTH (FT)	PCC DRIVEWAY PAVEMENT, 8" (SQ YD)	CCC&G TYPE B 6.24 (FT)	AGGREGATE FOR TEMPORARY ACCESS (TON)
IL RTE 159 164+25.30	LT	CE	30	58.7	48.0	40.2
ALLEY 156+02 11+26.50	LT	CE	50	81.2		55.5
TOTAL				140	48.0	96

TEMPORARY RAMP SCHEDULE	
LOCATION	TEMPORARY RAMP (SQ YD)
IL RTE 159	
155+69.56	50.9
167+65.00	37.0
ALLEY STA. 156+02	
10+85.00	17.1
12+75.00	17.1
E MAIN ST	
38+75.00	25.6
42+00.00	33.9
E CLAY ST	
47+70.00	20.6
48+06.00	16.7
51+64.00	20.6
E JOHNSON ST	
11+00.00	22.3
12+77.00	20.1
STAGE 2	24.2
STAGE 3	37.7
TOTAL	344

PAVEMENT IMPRINTING	
LOCATION	PAVEMENT IMPRINTING (SQ YD)
IL RTE 159	
157+66 TO 157+72	52.6
162+98 TO 163+04	53.6
ALLEY @ 156+02	
11+62 TO 11+68	17.0
12+32 TO 12+38	18.3
E MAIN ST	
39+35 TO 39+41	23.4
40+60 TO 40+66	47.3
E CLAY ST	
49+29 TO 49+35	58.8
50+67 TO 50+73	44.8
E JOHNSON ST	
11+57 TO 11+63	34.8
12+38 TO 12+44	31.3
TOTAL	382

PARKING BLOCKS		
LOCATION	SIDE	PARKING BLOCKS (EACH)
PARKING LOT 2	N/A	15
TOTAL		15

STRIP REFLECTIVE CRACK CONTROL TREATMENT SCHEDULE		
LOCATION	SIDE	STRIP REFLECTIVE CRACK CONTROL TREATMENT (FT)
167+65.00 TO 168+24.20	RT	59.0
TOTAL		59.0

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
p:\projects\513581\cadd\gdg\0876054-sht	schedule.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

SCALE: N/A	SHEET NO. 3 OF 9 SHEETS	STA. N/A TO STA. N/A
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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	22
CONTRACT NO. 76054			ILLINOIS FED. AID PROJECT	

PROPERTY CORNERS (IN CONSTRUCTION AREA)			
STATION	IL ROUTE 159 UNLESS LISTED OTHERWISE	OFFSET	QUANTITY
164+27.07		266.09' RT	1
165+56.78		254.56' RT	1
TOTAL			2
LISTS CONSISTS OF THE EXISTING CORNERS THAT WILL BE DISTURBED DURING CONSTRUCTION.			

PROPERTY CORNERS (IN CONSTRUCTION AREA)			
STATION	IL ROUTE 159 UNLESS LISTED OTHERWISE	OFFSET	QUANTITY
166+03.55		39.00' RT	1
167+80.95		33.00' RT	1
168+67.97		33.00' RT	1
169+48.98		33.00' RT	1
TOTAL			4
LISTS CONSISTS OF THE CORNERS PREVIOUSLY SET THAT WILL BE DISTURBED DURING CONSTRUCTION.			

PERMANENT SURVEY MARKERS, TYPE 1			
CENTERLINE POINTS (TO BE DETERMINED BY PROJECT ENGINEER)			
STATION	IL ROUTE 159 UNLESS LISTED OTHERWISE	OFFSET	QUANTITY
155+02.21		PC	1
156+00.00		PI	1
156+97.64		PT	1
157+33.68		PC	1
159+08.76		PI	1
160+78.39		PT	1
164+43.24		PC	1
165+00.51		PI	1
165+57.66		PT	1
TOTAL			9

RIGHT OF WAY CORNERS (IN CONSTRUCTION AREA)			
STATION	IL ROUTE 159 UNLESS LISTED OTHERWISE	OFFSET	QUANTITY
156+15.70		39.00' LT	1
156+22.56		97.39' RT	1
156+25.21		39.00' LT	1
156+25.43		35.02' LT	1
157+78.96		83.77' RT	1
158+57.77		97.12' RT	1
158+68.69		133.81' RT	1
158+84.64		141.25' RT	1
159+83.59		58.48' RT	1
160+05.30		102.97' RT	1
162+19.08		46.72' RT	1
162+22.02		51.88' RT	1
162+27.21		48.85' RT	1
161+90.45		158.98' LT	1
162+34.19		82.28' LT	1
163+34.84		39.00' LT	1
164+43.24		39.00' LT	1
165+57.66		39.00' LT	1
165+79.00		36.72' LT	1
165+79.00		39.00' LT	1
166+45.00		37.29' LT	1
163+23.85		85.06' RT	1
163+38.71		55.31' RT	1
164+68.95		39.00' RT	1
165+57.66		39.00' RT	1
166+30.72		39.00' RT	1
166+70.72		78.32' RT	1
166+45.00		37.29' LT	1
166+71.00		60.00' LT	1
167+26.00		60.00' LT	1
167+36.49		63.54' RT	1
167+66.49		33.00' RT	1
167+50.00		38.21' LT	1
168+55.84		39.04' LT	1
168+65.76		49.04' LT	1
168+65.74		110.04' LT	1
168+67.74		110.03' LT	1
168+84.24		109.96' LT	1
168+86.24		109.96' LT	1
168+86.26		50.03' LT	1
168+96.30		40.04' LT	1
169+00.00		33.00' RT	1
169+00.00		38.50' RT	1
169+20.00		38.50' RT	1
169.00.00		33.00' RT	1
169+83.31		40.39' LT	1
170+08.21		65.37' LT	1
170+74.21		65.89' LT	1
170+99.31		40.87' RT	1
TOTAL			49

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES			
SCALE: N/A	SHEET NO. 4 OF 9 SHEETS	STA. N/A	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	23
CONTRACT NO. 76054				
ILLINOIS FED. AID PROJECT				

STRUCTURE SCHEDULE																
LOCATION	STRUCTURE	SURFACE (ELEV)	INVERT (ELEV)	DEPTH (FT)	TYPE A MANHOLE (EA)			PRECAST REINFORCED CONCRETE FLAT SLAB TOP (EA) **TO BE INCLUDED IN COST OF MANHOLE	TYPE A INLET W/ TYPE 3 FRAME AND GRATE (EA)	TYPE B INLET W/ TYPE 3 FRAME AND GRATE (EA)	TYPE B INLET W/ TYPE 8 GRATE (EA)	INLET SPECIAL TYPE E (EA) DOUBLE 4' X 4'				
					4' W/ TYPE 1 FRAME - CLOSED LID	5' W/ TYPE 1 FRAME - CLOSED LID	5' W/ TYPE 3 FRAME AND GRATE									
IL RTE 159																
156+19.26, 39.3' RT	INLET 4-2	564.44	559.82	4.62					1							
157+55.43, 32.2' LT	INLET 4-3A	563.85	559.85	4.00				1								
157+60.00, 34.6' LT	INLET 4-3	563.85	559.75	4.10					1							
157+61.56, 53.7' RT	INLET 4-12	563.50	559.27	4.23				1								
157+80.91, 53.7' RT	INLET 4-13	563.08	559.09	3.99					1							
158+31.27, 45.2' RT	MH 4-13	563.47	558.85	4.62	1		1									
158+38.76, 77.2' RT	MH 4-14	563.28	558.69	4.59	1		1									
159+50.02, 59.5' RT	INLET 4-16	562.20	558.17	4.03						1						
160+25.00, 33.5' RT	INLET 4-15	562.14	557.79	4.35					1							
160+53.85, 85.0' RT	MH 4-18	561.80	557.50	4.30	1											
161+00.34, 29.5' LT	INLET 4-8	561.60	556.60	5.00				1								
161+53.14, 54.8' RT	INLET 4-18	560.50	557.00	3.50					1							
161+96.20, 41.6' RT	INLET 4-20	560.50	556.57	3.93						1						
162+16.89, 35.2' RT	INLET 4-19	560.70	556.36	4.34					1							
163+91.26, 29.5' LT	INLET 4-21	559.10	554.54	4.56					1							
164+75.06, 29.5' LT	INLET 4-23	558.38	553.50	4.88					1							
164+89.62, 29.5' RT	INLET 4-22	558.26	553.76	4.50				1								
165+58.42, 29.5' LT	INLET 4-24	557.68	552.49	5.19		1										
166+32.65, 26.3' RT	INLET 4-25	557.12	552.12	5.00					1							
166-32.65, 27.2' LT	INLET 4-26	557.11	551.56	5.55			1									
166+33.50, 8.4' RT	MH 4-22	557.45	551.27	6.18		1										
166+78.65, 7.3' RT	MH 4-27	557.14	550.91	6.23		1										
E MAIN ST																
38+86.39, 23.3' LT	INLET 4-5	564.10	560.10	4.00					1							
38+86.40, 16.3' LT	MH 4-5	564.25	559.71	4.54	1			1								
38+86.40, 25.2' RT	INLET 4-4	564.73	560.05	4.68							1					
39+59.42, 27.1' LT	INLET 4-6	563.40	559.40	4.00				1								
39+59.47, 16.7' LT	MH 4-3	563.68	558.80	4.88	1		1									
39+79.25, 16.8' LT	MH 4-6	563.81	558.57	5.24	1		1									
41+22.66, 19.5' LT	INLET 4-14	562.80	558.89	3.91				1								
N MORRISON AVE																
11+34.91, 3.0' RT	INLET 4-7	562.00	557.23	4.77						1						
13+71.97, 5.0' RT	MH 4-10	559.04	554.54	4.50	1		1									
VANDALIA ST																
11+90.15, 5.5' RT	INLET 4-17	561.45	557.93	3.52				1								
E CLAY ST																
48+32.59, 24.6' RT	MH 4-11	559.00	554.78	4.22	1		1									
48+41.06, 40.2' RT	INLET 4-9	559.00	554.98	4.02					1							
48+41.06, 32.6' RT	INLET 4-10	558.75	554.90	3.85					1							
48+44.50, 20.2' LT	INLET 4-11	558.87	555.01	3.86				1								
E JOHNSON ST																
11+45.63, 19.9' RT	INLET 4-27A	556.45	552.25	4.20				1								
11+50.00, 22.3' RT	INLET 4-27	556.40	552.05	4.35					1							
11+50.00, 20.2' LT	INLET 4-28	556.45	552.45	4.00				1								
TOTALS									8	2	2	8	12	11	3	1

PIPE SCHEDULE										
UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	STORM SEWERS, CLASS A, TYPE 1 (FT)			STORM SEWERS, CLASS A, TYPE 2 (FT)				TRENCH BACKFILL (CY)	
		12"	15"	18"	12"	15"	18"	24"		
INLET 4-2	EX INLET 3-18				30				15	
INLET 4-3A	INLET 4-3	5							2	
INLET 4-3	MH 4-3				53				37	
INLET 4-4	MH 4-5					39			26	
INLET 4-5	MH 4-5				7				3	
MH 4-5	MH 4-3					73			48	
INLET 4-6	MH 4-3				10				4	
MH 4-3	MH 4-6						20		15	
INLET 4-12	INLET 4-13				18				6	
INLET 4-13	MH 4-13				48				18	
MH 4-13	MH 4-14				33				21	
INLET 4-14	MH 4-14				40				15	
MH 4-6	INLET 4-7			118					46	
MH 4-14	INLET 4-16		103						40	
INLET 4-16	INLET 4-15		75						28	
INLET 4-15	MH 4-18		58						22	
INLET 4-17	MH 4-18	29							10	
MH 4-18	INLET 4-18			99					34	
INLET 4-18	INLET 4-20			45					14	
INLET 4-20	INLET 4-19			22					8	
INLET 4-19	INLET 4-21			186					98	
INLET 4-7	MH 4-10			237					138	
INLET 4-8	INLET 4-9				92				58	
INLET 4-9	INLET 4-10		8						3	
INLET 4-10	MH 4-11		12						5	
INLET 4-11	MH 4-11	46							16	
MH 4-11	MH 4-10		24						9	
MH 4-10	EX INLET			29					11	
INLET 4-21	INLET 4-23						83		55	
INLET 4-23	INLET 4-24						81		58	
INLET 4-22	MH 4-22				147				109	
INLET 4-24	INLET 4-26							74	59	
INLET 4-26	MH 4-22							36	33	
INLET 4-25	MH 4-22				19				15	
INLET 4-27	INLET 4-26				51				43	
INLET 4-27A	INLET 4-27				5				2	
INLET 4-28	INLET 4-27				42				15	
MH 4-22	MH 4-27							45	44	
MH 4-27	EX MH							260	273	
TOTALS		80	280	736	595	112	184	415	1456	

SANITARY STRUCTURE SCHEDULE		
LOCATION	STRUCTURE	SANITARY MANHOLES TO BE ADJUSTED (EA)
STA. 163+11.92	EX SAN MH 3-3	1
TOTALS		1

EROSION CONTROL SCHEDULE				
STATION	TO	STATION	INLET & PIPE PROTECT	PERIMETER EROS BAR
			EACH	FOOT
IL RTE 159				
155+85, 39.3' L			1	
155+89, 39.6' R			1	
156+19, 39.3' R			1	
157+55, 32.3' L			1	
157+60, 34.6' L			1	
157+62, 53.7' R			1	
157+81, 53.7' R			1	
159+23, 53.2' L			1	
159+50, 59.5' R			1	
160+25, 33.5' R			1	
160+60, 113.1' R			1	
161+00, 29.5' L			1	
161+53, 54.8' R			1	
161+96, 41.6' R			1	
162+17, 35.2' R			1	
163+91, 29.5' L			1	
164+75, 29.5' L			1	
164+55 R	TO	166+71 R		482
164+90, 29.5' R			1	
165+58, 29.2' L			1	
166+33, 27.2' L			1	
166+33, 26.9' R			1	
166+78, 49.9' L			1	
166+80, 54.3' L			1	
167+20, 50.1' L			1	
E MAIN ST				
38+86, 25.2' R			2	
38+86, 23.3' L			1	
39+59, 27.1' L			1	
41+23, 19.5' L			1	
E CLAY ST				
47+79, 24.7' R			1	
48+41, 40.1' R			1	
48+41, 32.6' R			1	
48+45, 20.2' L			1	
TOTALS			33	482

UTILITIES REMOVAL SCHEDULE								
LOCATION	WATER MAIN TO BE ABANDONED 16" (FT)	WATER MAIN TO BE ABANDONED 14" (FT)	WATER MAIN TO BE ABANDONED 12" (FT)	WATER MAIN TO BE ABANDONED 8" (FT)	WATER MAIN TO BE ABANDONED 6" (FT)	WATER MAIN TO BE ABANDONED 4" (FT)	FIRE HYDRANTS TO BE REMOVED (EA)	REMOVE WATER METER (EA)
								(EA)
ALLEY 156+02								
11+69.67 TO 12+42.30				73				
IL RTE 159								
155+96.73 TO 157+95.36					203			1
159+77.27, 21.25 R								
A 162+44.48 TO A 168+29.63					585			
A 162+61.59 TO A 168+28.52		570						
A 163+11.41, 19.45 L							1	1
A 167+38.74, 23.09 R								
N MORRISON AVE								
10+00.00 TO 14+30.08					431			
10+95.73, 24.51 R								1
12+80.32, 24.41 R							1	
12+03.71 TO 13+50.90	168							
E MAIN ST								
38+73.56 TO 41+83.63				310				
40+17.60, 27.18 R							1	
40+77.49, 41.55 L								1
41+24.19, 40.76 L								2
41+83.62 TO 42+64.73					81			
E CLAY ST								
47+79.26 TO 51+21.27							342	
48+20.33 TO 50+14.12	203							
50+53.78, 19.72 R							1	
50+14.13 TO 51+29.21			115					
VANDALIA ST								
9+87.14 TO 13+96.57					409			
13+72.46 TO 13+96.57		26						
E JOHNSON ST								
11+22.56 TO 11+82.30					60			
11+55.72, 21.07 R							1	
12+12.49 TO 12+63.75					51			
TOTALS	371	596	115	383	1820	342	5	6

NOTE:
 THE REMOVAL OF A WATER METER ASSEMBLY WILL ONLY BE PAID IF THE METER ASSEMBLY IS NOT REPLACED. IF THE EXISTING METER ASSEMBLY IS TO BE REPLACED, THEN THE REMOVAL OF THE EXISTING WATER METER ASSEMBLY WILL BE INCIDENTAL TO THE COST OF INSTALLING THE NEW METER ASSEMBLY AND THEREFORE NO QUANTITIES WILL BE FOUND IN THE SUMMARY OF QUANTITIES FOR REMOVAL OF WATER METERS.

WATER MAIN PIPE SCHEDULE AND GEOMETRIC LAYOUT

GROVE ALLEY									
POINT ID	WATER MAIN STATION	EVENT	STREET NAME	STREET STATION	OFFSET (FT)	FLOW ELEV	PIPE SIZE	WATER MAIN (L.F.)	TRENCH BACKFILL (CY)
1000	0+00.00	POB	GROVE ALLEY	11+66.59	4.89 R	559.51	8" P.V.C.	4	3
1001	0+03.96	PI	GROVE ALLEY	11+66.56	0.93 R	559.51	8" P.V.C.	67	69
1002	0+71.21	PI	GROVE ALLEY	12+33.81	1.19 R	557.28	8" P.V.C.	12	9
1003	0+82.66	PI	GROVE ALLEY	12+45.27	1.19 R	559.32	8" P.V.C.	3	2
1004	0+85.41	POE	GROVE ALLEY	12+45.30	3.94 R	559.32			

NORTH MORRISON STREET									
POINT ID	WATER MAIN STATION	EVENT	STREET NAME	STREET STATION	OFFSET (FT)	FLOW ELEV	PIPE SIZE	WATER MAIN (L.F.)	TRENCH BACKFILL (CY)
2000	0+00.00	POB	IL RTE 159	155+90.29	34.24 R	557.28	8" P.V.C.	12	4
1002	0+11.63	PI	IL RTE 159	156+02.11	33.83 R	557.28	8" P.V.C.	22	7
	0+33.49		IL RTE 159	156+24.32	32.88 R	557.32	6" P.V.C.	2	1
2001	0+35.28	PI	IL RTE 159	156+26.14	32.79 R	557.36	6" P.V.C.	87	21
2002	1+21.70	PI	IL RTE 159	156+83.19	32.14 L	557.91	6" P.V.C.	85	23
2003	2+06.69	PI	IL RTE 159	157+65.98	40.46 L	557.58	6" P.V.C.	34	10
2004	2+40.82	PI	N MORRISON	10+05.11	22.84 L	557.44	6" P.V.C.	23	8
2005	2+64.14	PI	N MORRISON	10+21.53	6.28 L	556.43	6" P.V.C.	164	137
2006	4+28.34	PI	N MORRISON	11+85.72	4.51 L	554.82	6" P.V.C.	14	14
2007	4+42.65	PI	N MORRISON	11+95.94	14.52 L	553.62	6" P.V.C.	10	10
	4+52.10		N MORRISON	12+05.39	14.51 L	553.37	18" P.V.C.	146	226
2008	5+97.79	PI	N MORRISON	13+51.08	14.50 L	551.78	18" P.V.C.	3	5
	6+00.96		N MORRISON	13+54.25	14.50 L	552.02	6" P.V.C.	25	29
2009	6+26.13	PI	N MORRISON	13+79.43	14.50 L	552.21	6" P.V.C.	13	12
2010	6+39.27	PI	N MORRISON	13+92.56	14.50 L	552.21	6" P.V.C.	7	7
2011	6+46.63	POE	N MORRISON	13+92.56	7.14 L	553.29			

EAST MAIN STREET									
POINT ID	WATER MAIN STATION	EVENT	STREET NAME	STREET STATION	OFFSET (FT)	FLOW ELEV	PIPE SIZE	WATER MAIN (L.F.)	TRENCH BACKFILL (CY)
3000	0+00.00	POB	E MAIN	38+69.67	12.21 R	559.32	8" P.V.C.	4	2
3001	0+04.35	PI	E MAIN	38+69.65	16.55 R	559.32	8" P.V.C.	18	6
3002	0+21.94	PI	E MAIN	38+82.02	29.06 R	559.32	8" P.V.C.	73	61
2003	0+94.65	PI	E MAIN	39+54.73	29.22 R	557.49	8" P.V.C.	85	70
3003	1+79.48	PI	E MAIN	40+39.56	28.87 R	557.54	8" P.V.C.	11	10
3004	1+90.56	PI	E MAIN	40+47.38	21.02 R	556.89	8" P.V.C.	150	112
3005	3+40.51	PI	E MAIN	41+97.33	20.89 R	558.18	6" P.V.C.	71	54
3006	4+11.93	PI	E MAIN	42+68.74	20.83 R	557.86	6" P.V.C.	8	6
3007	4+19.66	POE	E MAIN	42+68.79	13.09 R	557.84			

EAST CLAY STREET									
POINT ID	WATER MAIN STATION	EVENT	STREET NAME	STREET STATION	OFFSET (FT)	FLOW ELEV	PIPE SIZE	WATER MAIN (L.F.)	TRENCH BACKFILL (CY)
2008	0+00.00	POB	E CLAY	47+89.18	45.60 R	551.78	18" P.V.C.	74	113
4000	0+73.83	PI	E CLAY	48+63.01	44.97 R	551.78	18" P.V.C.	20	23
4001	0+93.82	PI	E CLAY	48+77.03	30.71 R	553.97	18" P.V.C.	154	207
5002	2+47.37	PI	E CLAY	50+30.56	29.61 R	552.90	18" P.V.C.	8	11
4002	2+55.76	PI	E CLAY	50+38.96	29.55 R	552.98	18" P.V.C.	17	24
4003	2+72.59	PI	E CLAY	50+50.77	17.56 R	552.32	18" P.V.C.	88	104
4004	3+60.31	PI	E CLAY	51+38.48	18.58 R	553.87	18" P.V.C.	24	29
4005	3+84.31	POE	E CLAY	51+62.48	18.85 R	553.87			

VANDALIA STREET									
POINT ID	WATER MAIN STATION	EVENT	STREET NAME	STREET STATION	OFFSET (FT)	FLOW ELEV	PIPE SIZE	WATER MAIN (L.F.)	TRENCH BACKFILL (CY)
3005	0+00.00	POB	VANDALIA	9+78.93	16.90 R	558.35	6" P.V.C.	362	252
5000	3+62.22	PI	VANDALIA	13+41.15	17.57 R	554.56	6" P.V.C.	10	8
5001	3+72.13	PI	VANDALIA	13+48.05	24.69 R	553.48	6" P.V.C.	13	11
	3+85.84		VANDALIA	13+61.76	24.91 R	553.27	16" P.V.C.	5	20
5002	3+90.79	PI	VANDALIA	13+66.70	24.99 R	552.90	16" P.V.C.	26	28
5003	4+16.87	PI	VANDALIA	13+92.79	25.19 R	553.07	16" P.V.C.	56	67
5004	4+73.13	PI	IL RTE 159	A 163+03.81	42.97 R	552.26	16" P.V.C.	62	72
5005	5+35.05	PI	IL RTE 159	A 163+65.19	34.81 R	552.49	16" P.V.C.	90	81
5006	6+25.17	PI	IL RTE 159	A 164+54.91	34.13 R	554.18	16" P.V.C.	43	37
5007	6+67.58	PI	IL RTE 159	A 164+95.91	34.32 R	554.32	16" P.V.C.	110	158
5008	7+77.85	PI	IL RTE 159	A 166+04.09	30.27 R	550.84	16" P.V.C.	34	60
5009	8+11.92	PI	IL RTE 159	A 166+38.12	31.86 R	548.62	16" P.V.C.	36	72
5010	8+48.05	PI	IL RTE 159	A 166+74.22	30.33 R	547.34	16" P.V.C.	38	78
6003	8+85.76	PI	IL RTE 159	A 167+11.90	28.77 R	546.88	16" P.V.C.	37	68
5011	9+22.50	PI	IL RTE 159	A 167+48.60	27.29 R	548.13	16" P.V.C.	96	164
5012	10+18.68	POE	IL RTE 159	A 168+44.76	25.02 R	549.14			

EAST JOHNSON STREET									
POINT ID	WATER MAIN STATION	EVENT	STREET NAME	STREET STATION	OFFSET (FT)	FLOW ELEV	PIPE SIZE	WATER MAIN (L.F.)	TRENCH BACKFILL (CY)
6000	0+00.00	POB	E JOHNSON	11+17.22	12.53 R	553.29	6" P.V.C.	3	1
6001	0+03.00	PI	E JOHNSON	11+17.17	15.53 R	553.17	6" P.V.C.	15	11
6002	0+17.74	PI	E JOHNSON	11+27.54	25.99 R	550.57	6" P.V.C.	103	118
5010	1+20.41	POE	E JOHNSON	12+30.21	26.43 R	547.75			
6003	0+00.00	POB	E JOHNSON	12+28.87	11.26 L	547.72	6" P.V.C.	41	15
6004	0+41.25	PI	E JOHNSON	12+70.08	12.78 L	551.79	6" P.V.C.	3	1
6005	0+44.30	POE	E JOHNSON	12+70.06	15.83 L	551.79			

MISCELLANEOUS CONNECTIONS									
POINT ID	WATER MAIN STATION	EVENT	STREET NAME	STREET STATION	OFFSET (FT)	FLOW ELEV	PIPE SIZE	WATER MAIN (L.F.)	TRENCH BACKFILL (CY)
-----	0+00.00	POB	VANDALIA	A 168+37.03	25.20 R	549.13	16" P.V.C.	14	15
-----	0+13.97	PI	VANDALIA	A 168+36.80	11.23 R	549.13	6" P.V.C.	29	21
-----	0+42.57	POE	VANDALIA	A 168+36.33	17.36 L	551.10			
-----	-----	-----	N MORRISON	12+08.56	14.51 L	553.12	18" P.V.C.	12	17
-----	-----	-----	N MORRISON	12+03.97	21.27 L	555.62			
-----	0+00.00	POB	CLAY	47+63.25	13.59 R	553.50	6" P.V.C.	3	2
-----	0+03.10	PI	CLAY	47+63.21	16.68 R	553.50	6" P.V.C.	26	20
-----	0+28.83	POE	CLAY	47+88.94	17.26 R	552.19			
-----	-----	-----	CLAY	51+28.48	18.46 R	554.33	6" P.V.C.	2	1
-----	-----	-----	CLAY	51+28.47	17.13 R	554.42	4" P.V.C.	5	4
-----	-----	-----	CLAY	51+28.41	12.42 R	554.50			
4004	-----	PI	CLAY	51+38.48	18.58 R	554.12	12" P.V.C.	5	5
-----	-----	-----	CLAY	51+38.43	23.53 R	554.12			
-----	-----	-----	VANDALIA	A 168+36.85	14.23 R	549.22	14" P.V.C.	9	4
-----	-----	-----	VANDALIA	A 168+42.59	11.45 R	551.22			

NOTE:
THE SUMMARY OF QUANTITIES WILL SHOW AN ADDITIONAL 12-FEET OF 6-INCH WATER MAIN FOR THE PROPOSED FIRE SERVICE OFF MORRISON AVENUE.

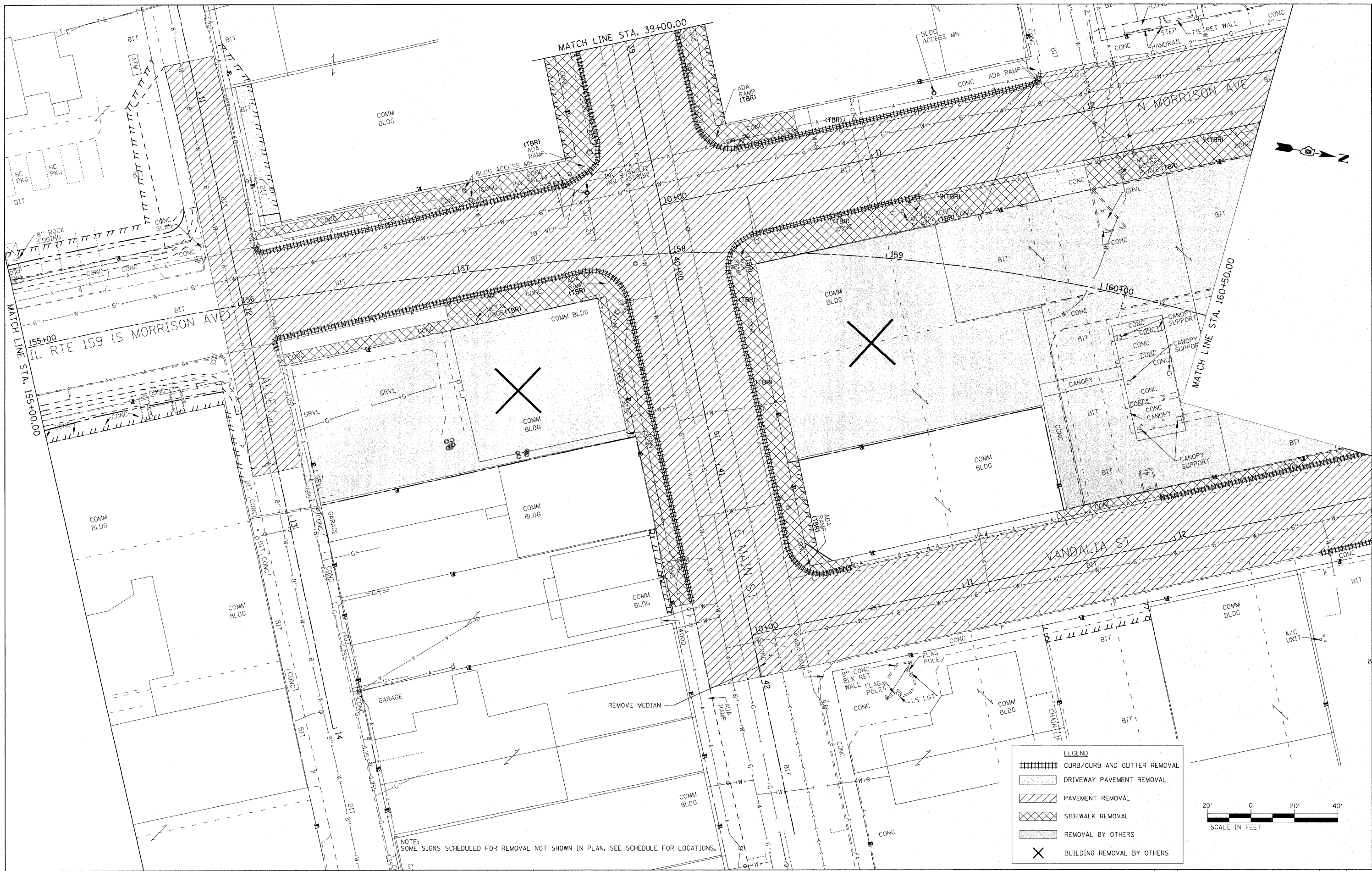
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

SCALE: N/A SHEET NO. 9 OF 9 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	28
CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				



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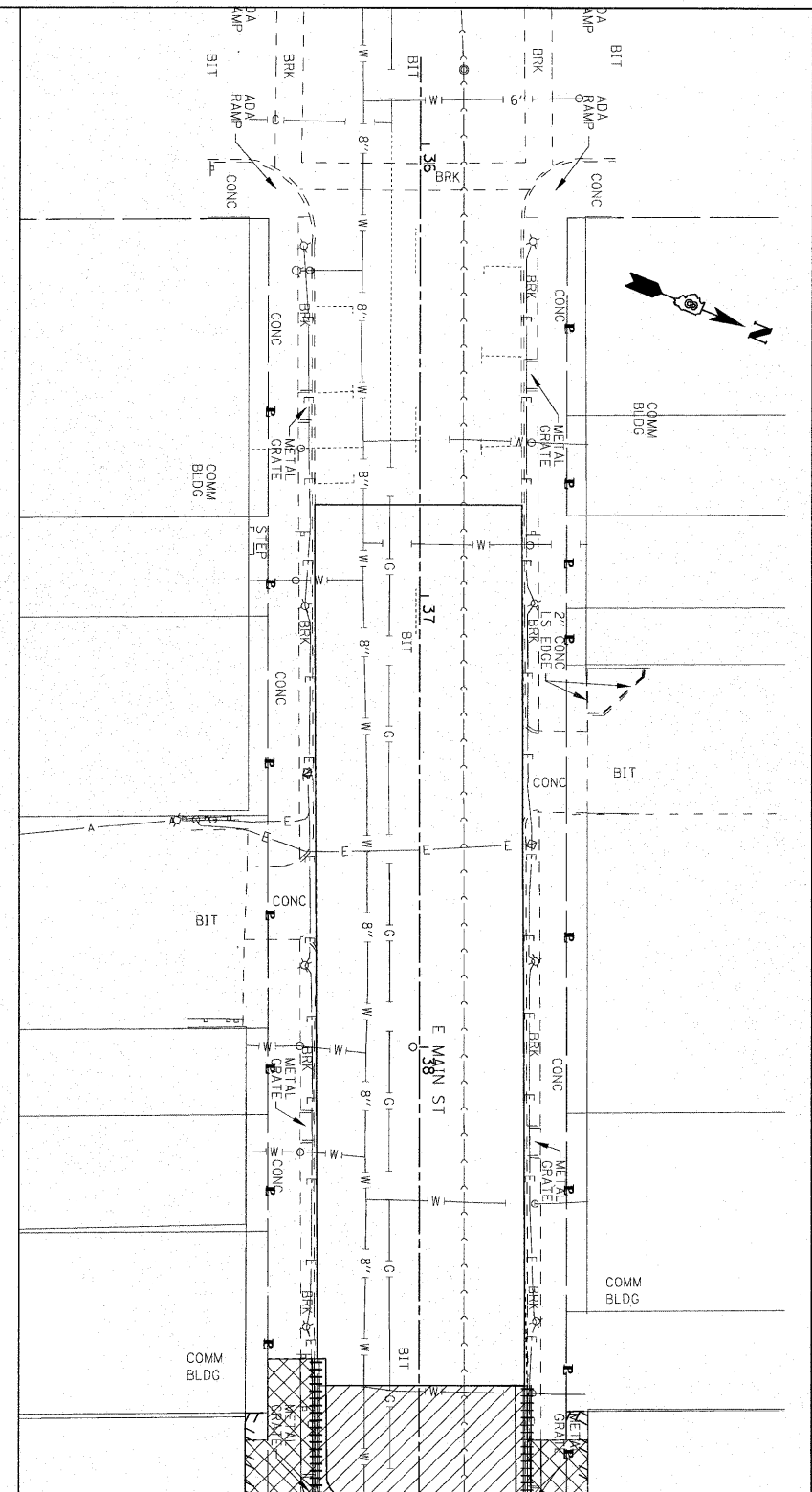
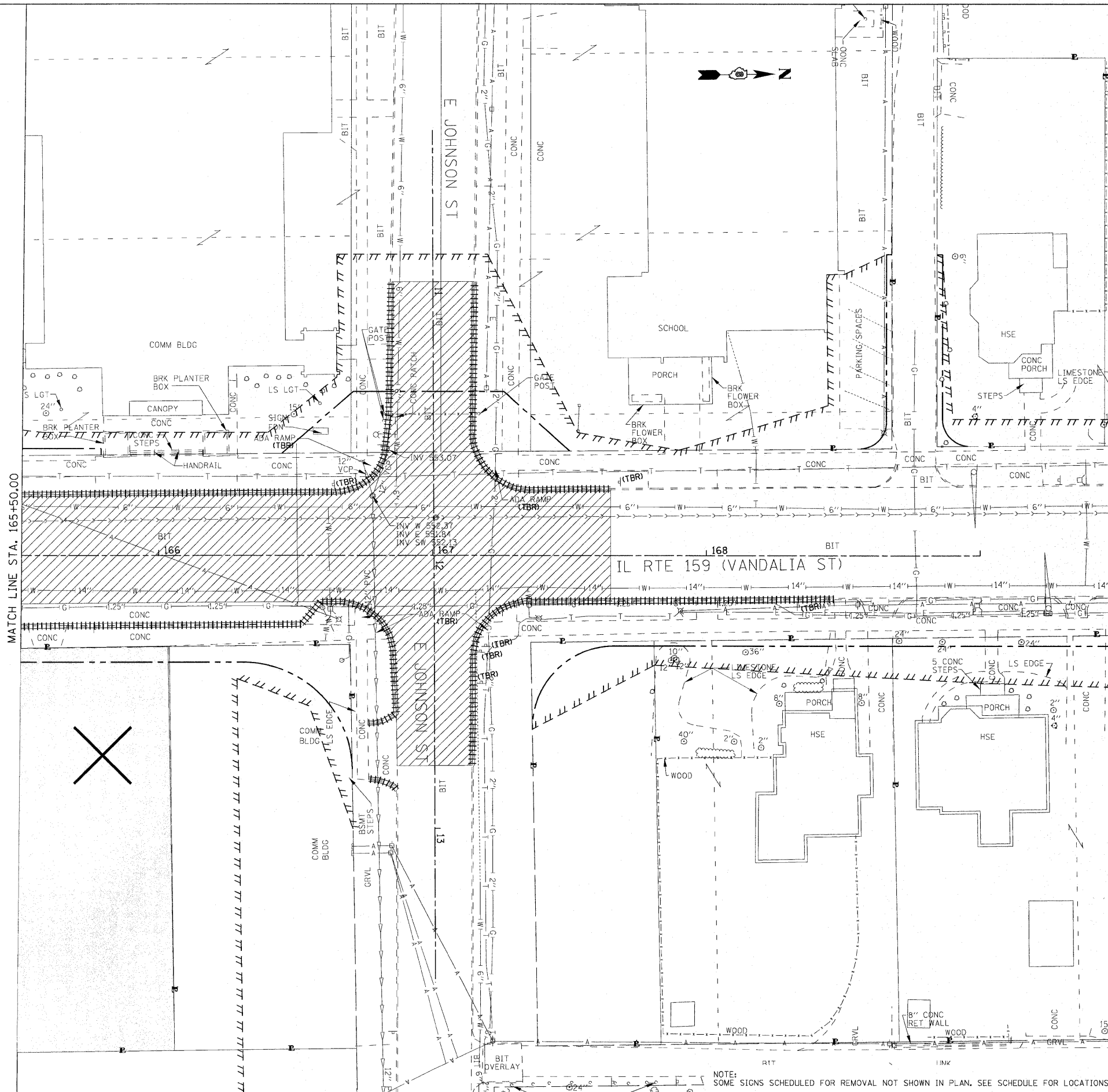
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

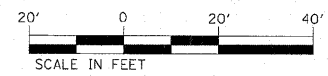
SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	29
			CONTRACT NO. 76D54	
ILLINOIS FED. AID PROJECT				



LEGEND

- ||||| CURB/CURB AND GUTTER REMOVAL
- ▨ DRIVEWAY PAVEMENT REMOVAL
- ▧ PAVEMENT REMOVAL
- ▩ SIDEWALK REMOVAL
- ▤ REMOVAL BY OTHERS
- ✕ BUILDING REMOVAL BY OTHERS



NOTE: SOME SIGNS SCHEDULED FOR REMOVAL NOT SHOWN IN PLAN. SEE SCHEDULE FOR LOCATIONS.

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DRAWN -	REVISD -
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DATE -	REVISD -

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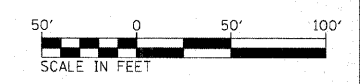
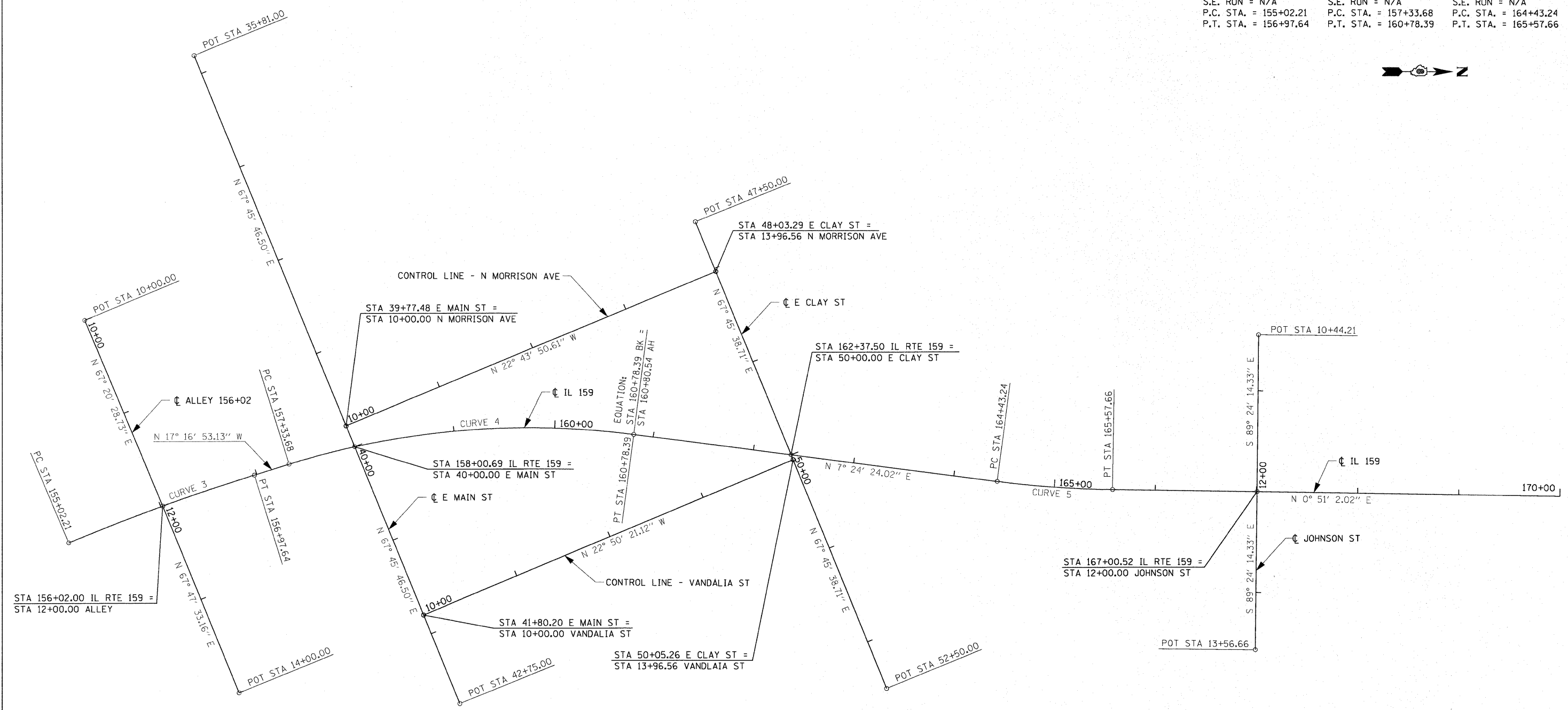
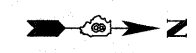
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

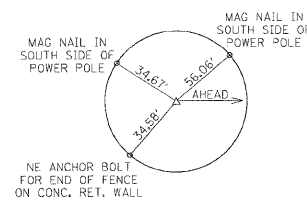
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	31
CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				

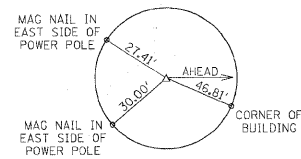
IL RTE 159 CURVE 3	IL RTE 159 CURVE 4	IL RTE 159 CURVE 5
PI STA. =156+00.00	PI STA. =159+08.76	PI STA. =165+00.51
Δ =5° 35' 55" (RT)	Δ =24° 41' 17" (RT)	Δ =6° 33' 22" (LT)
D =2° 51' 53"	D =7° 09' 43"	D =5° 43' 46"
R =2,000.00'	R =800.00'	R =1,000.00'
T =97.79'	T =175.07'	T =57.28'
L =195.43'	L =344.71'	L =114.43'
E =2.39'	E =18.93'	E =1.64'
e = NC	e = NC	e = NC
T.R. = N/A	T.R. = N/A	T.R. = N/A
S.E. RUN = N/A	S.E. RUN = N/A	S.E. RUN = N/A
P.C. STA. = 155+02.21	P.C. STA. = 157+33.68	P.C. STA. = 164+43.24
P.T. STA. = 156+97.64	P.T. STA. = 160+78.39	P.T. STA. = 165+57.66



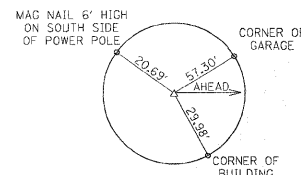
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	PLOT DATE = 6/15/2010	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 1" = 50'			SHEET NO. 1 OF 2 SHEETS			STA. N/A TO STA. N/A		



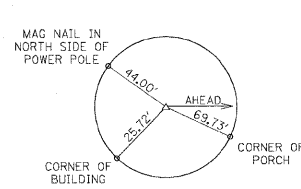
POT STA 10+00.00
(ALLEY @ STA 156+02.00)
(MAG NAIL)



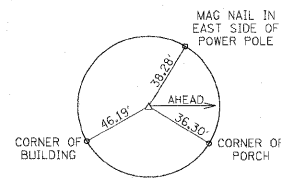
POT STA 12+00.00
(ALLEY @ STA 156+02.00) =
ML STA 156+02.00
(MAG NAIL)



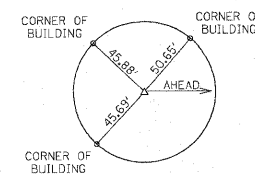
POT STA 14+00.00
(ALLEY @ STA 156+02.00)
(MAG NAIL)



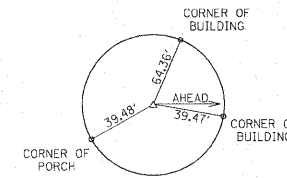
PT STA 156+97.64
(P.K. NAIL)



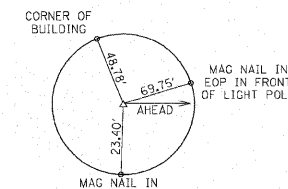
PC STA 157+33.68
(P.K. NAIL)



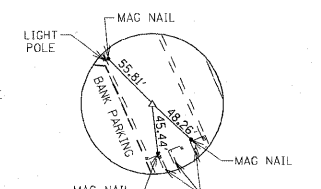
POT STA 35+81.00
(MAIN ST)
(P.K. NAIL)



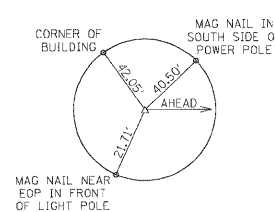
POT STA 40+00.00
(MAIN ST) =
ML STA 158+00.69
(MAG NAIL)



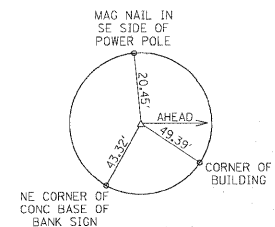
POT STA 42+75.00
(MAIN ST)
(P.K. NAIL)



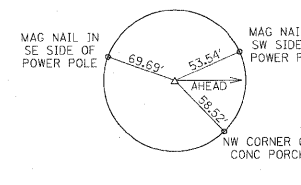
PT STA 160+80.34 (AHEAD) =
PT STA 160+78.39 (BACK)
(MAG NAIL)



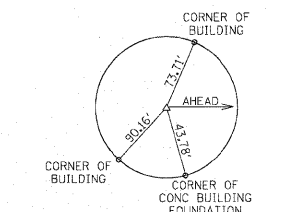
POT STA 47+50.00
(CLAY ST)
(MAG NAIL)



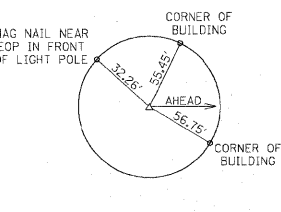
POT STA 50+00.00
(CLAY ST) =
ML STA 162+37.50
(MAG NAIL)



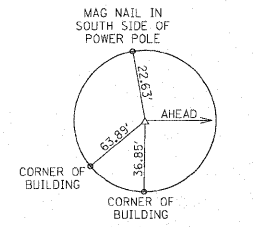
POT STA 52+50.00
(CLAY ST)
(MAG NAIL)



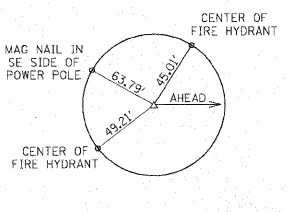
PC STA 164+43.24
(MAG NAIL)



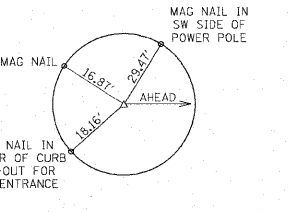
PT STA 165+57.66
(MAG NAIL)



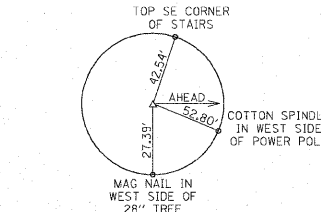
POT STA 10+44.21
(JOHNSON ST)
(MAG NAIL)



POT STA 12+00.00
(JOHNSON ST) =
ML STA 167+00.52
(MAG NAIL)



POT STA 13+56.66
(JOHNSON ST)
(MAG NAIL)



PC STA 175+56.85
(MAG NAIL)

CENTERLINE CONTROL COORDINATES

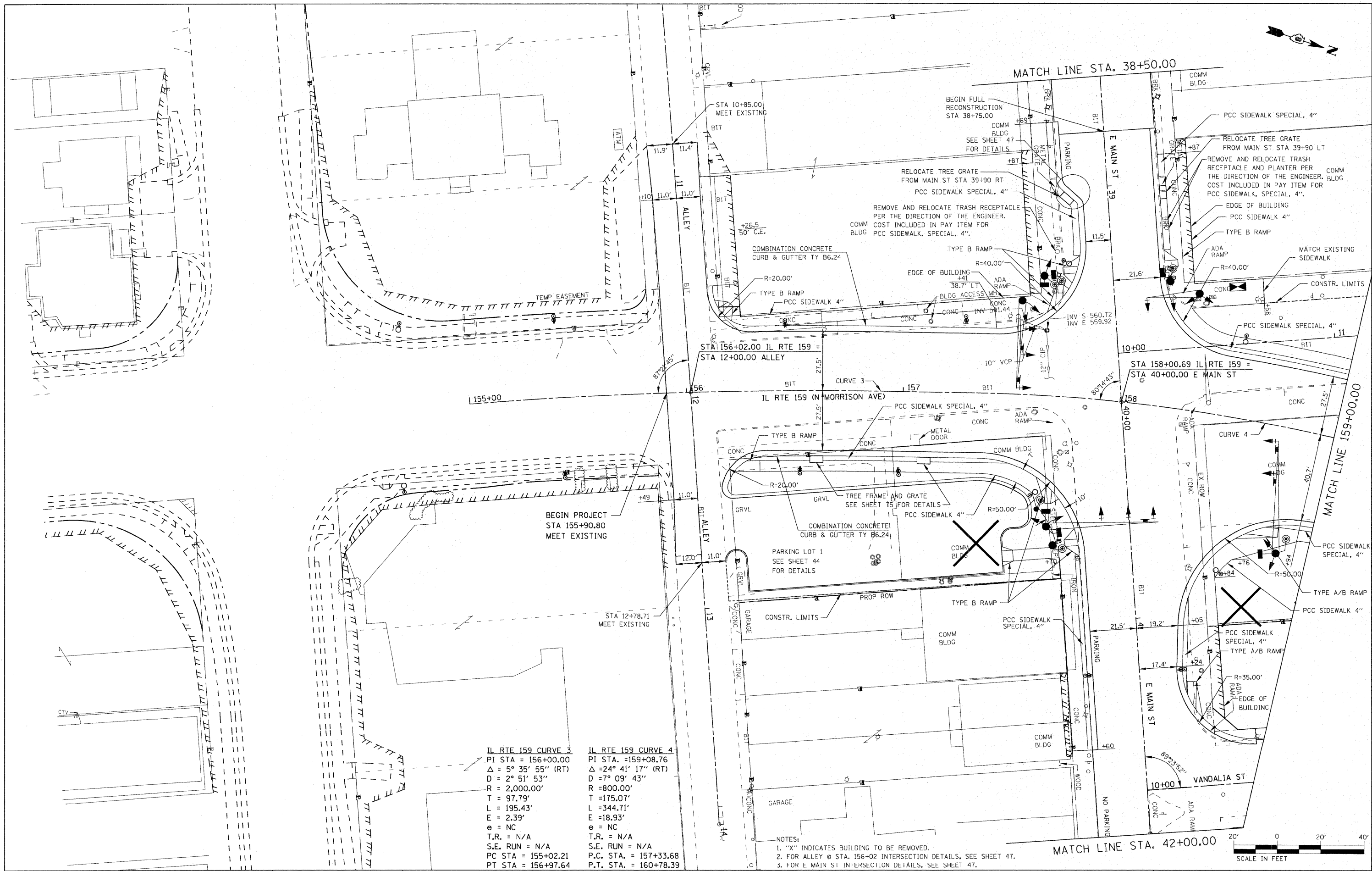
REFERENCE POINTS	NORTHING	EASTING
P.O.C. STA. 156+02.00	729534.7401	348756.0586
P.T. STA. 156+97.64	729625.3474	348725.4755
P.C. STA. 157+33.68	729659.7653	348714.7677
P.O.C. STA. 158+00.69	729724.5078	348697.5631
P.T. STA. 160+78.39 BK = STA. 160+80.54 AH	730000.5464	348685.3285
P.O.T. STA. 162+37.50	730156.1934	348705.5620
P.C. STA. 164+43.24	730360.2190	348732.0844
P.T. STA. 165+57.66	730474.2855	348740.3181
P.O.T. STA. 167+00.52	730617.1218	348742.4387
P.O.T. STA. 10+00.00 (ALLEY @ M.L. STA. 156+02.00)	729457.6920	348571.4954
P.O.T. STA. 14+00.00 (ALLEY @ M.L. STA. 156+02.00)	729610.3323	348941.2229
P.O.T. STA. 35+81.00 (MAIN ST.)	729565.9415	348309.7258
P.O.T. STA. 42+75.00 (MAIN ST.)	729828.5788	348952.1102
P.O.T. STA. 47+50.00 (CLAY ST.)	730061.5747	348474.1591
P.O.T. STA. 52+50.00 (CLAY ST.)	730250.8122	348936.9649
P.O.T. STA. 10+44.21 (JOHNSON ST.)	730618.7423	348586.6620
P.O.T. STA. 13.56.66 (JOHNSON ST.)	730615.4922	348899.0861

BENCHMARKS:

BENCHMARK: BM #112
CHISELED "X" ON TOP NE FLANGE BOLT ON FIRE
HYDRANT LOCATED ON THE SE QUADRANT OF CLAY
ST. & IL RT. 159 ON N. SIDE OF OFFICE BUILDING
ADDRESSED #126.
STA. 162+47±, 57' RT, ELEV. 562.954

BENCHMARK: BM #112A

CHISELED "X" ON TOP NE FLANGE BOLT ON FIRE
HYDRANT LOCATED ON THE SE QUADRANT OF CLAY
ST. & N. MORRISON NEAR NW CORNER OF "UMB BANK"
PARKING LOT ACROSS STREET FROM HERBERTS
OPTOMETRIST OFFICE BUILDING.
STA. 160+53±, 92' LT, ELEV. 562.648



IL RTE 159 CURVE 3
 PI STA = 156+00.00
 $\Delta = 5^\circ 35' 55''$ (RT)
 $D = 2^\circ 51' 53''$
 $R = 2,000.00'$
 $T = 97.79'$
 $L = 195.43'$
 $E = 2.39'$
 $e = NC$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $PC STA = 155+02.21$
 $PT STA = 156+97.64$

IL RTE 159 CURVE 4
 PI STA = 159+08.76
 $\Delta = 24^\circ 41' 17''$ (RT)
 $D = 7^\circ 09' 43''$
 $R = 8000.00'$
 $T = 175.07'$
 $L = 344.71'$
 $E = 18.93'$
 $e = NC$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 157+33.68$
 $P.T. STA. = 160+78.39$

NOTES:
 1. "X" INDICATES BUILDING TO BE REMOVED.
 2. FOR ALLEY @ STA. 156+02 INTERSECTION DETAILS, SEE SHEET 47.
 3. FOR E MAIN ST INTERSECTION DETAILS, SEE SHEET 47.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
IL RTE. 159
 SCALE: 1" = 20' SHEET NO. 1 OF 10 SHEETS STA. 153+00.00 TO STA. 159+00.00

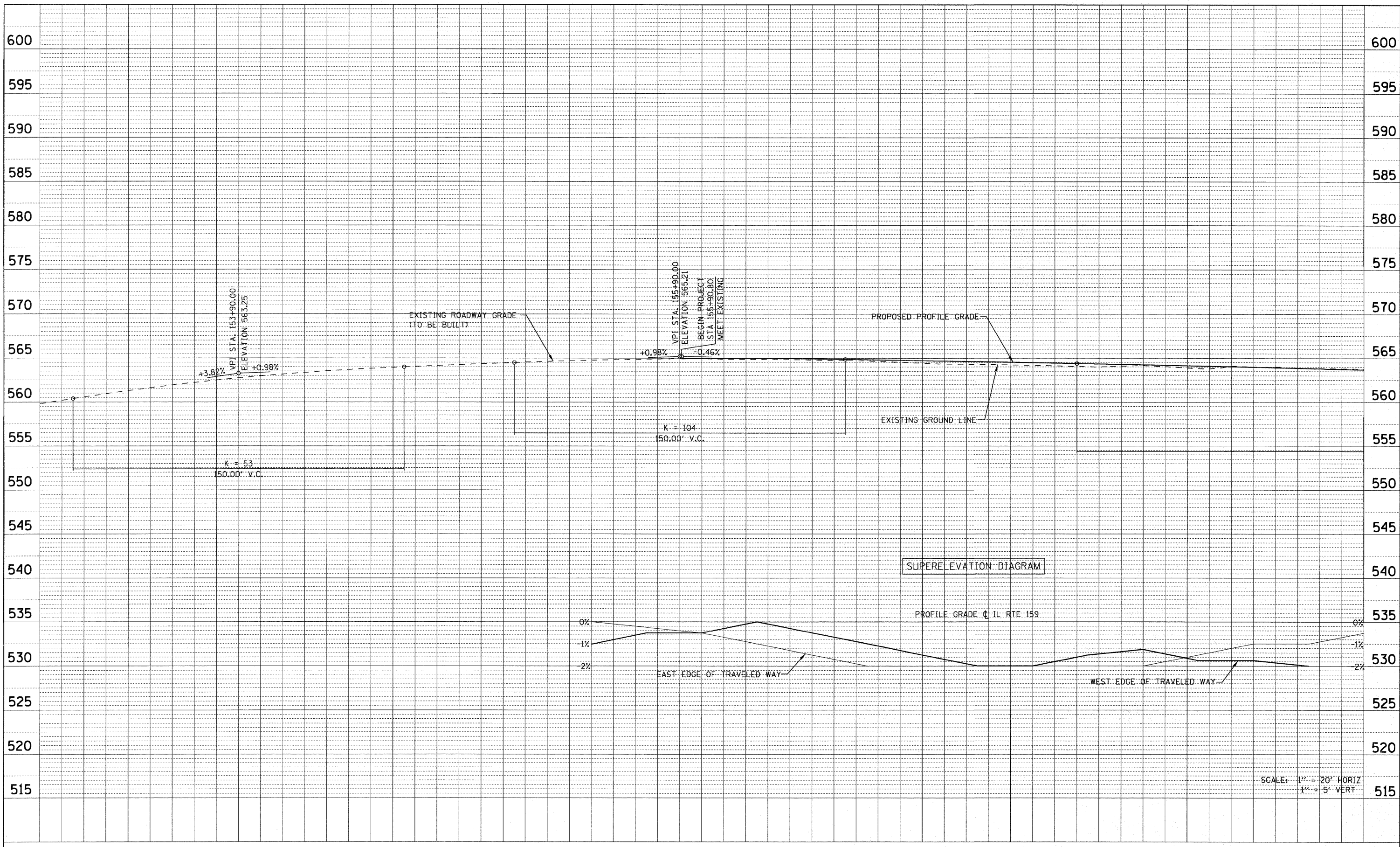
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	34
			CONTRACT NO. 76054	

ILLINOIS FED. AID PROJECT

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
pr\proj\sta\1513521\asdd\adgn\0876054-shd\pinpr.f.dgn		DRAWN -	REVISED -
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 6/15/2010		DATE -	REVISED -

PLAN SURVEYED BY DATE
 ALIGNED CHECKED
 NOTE BOOK NO. OF PAGES CHECKED
 CAD FILE NAME

PROFILE DRAWN BY DATE
 GRADES CHECKED
 NOTE BOOK NO. OF PAGES CHECKED
 STRUCTURE NOTATION CHFD



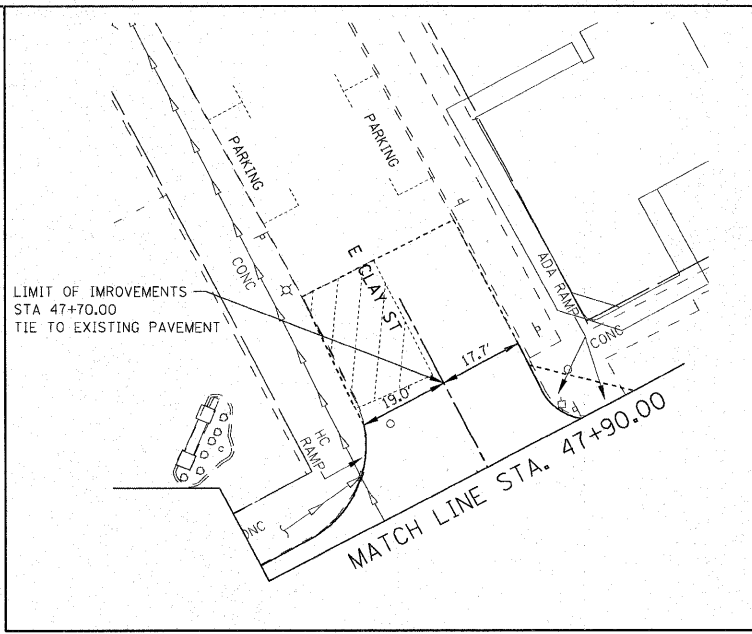
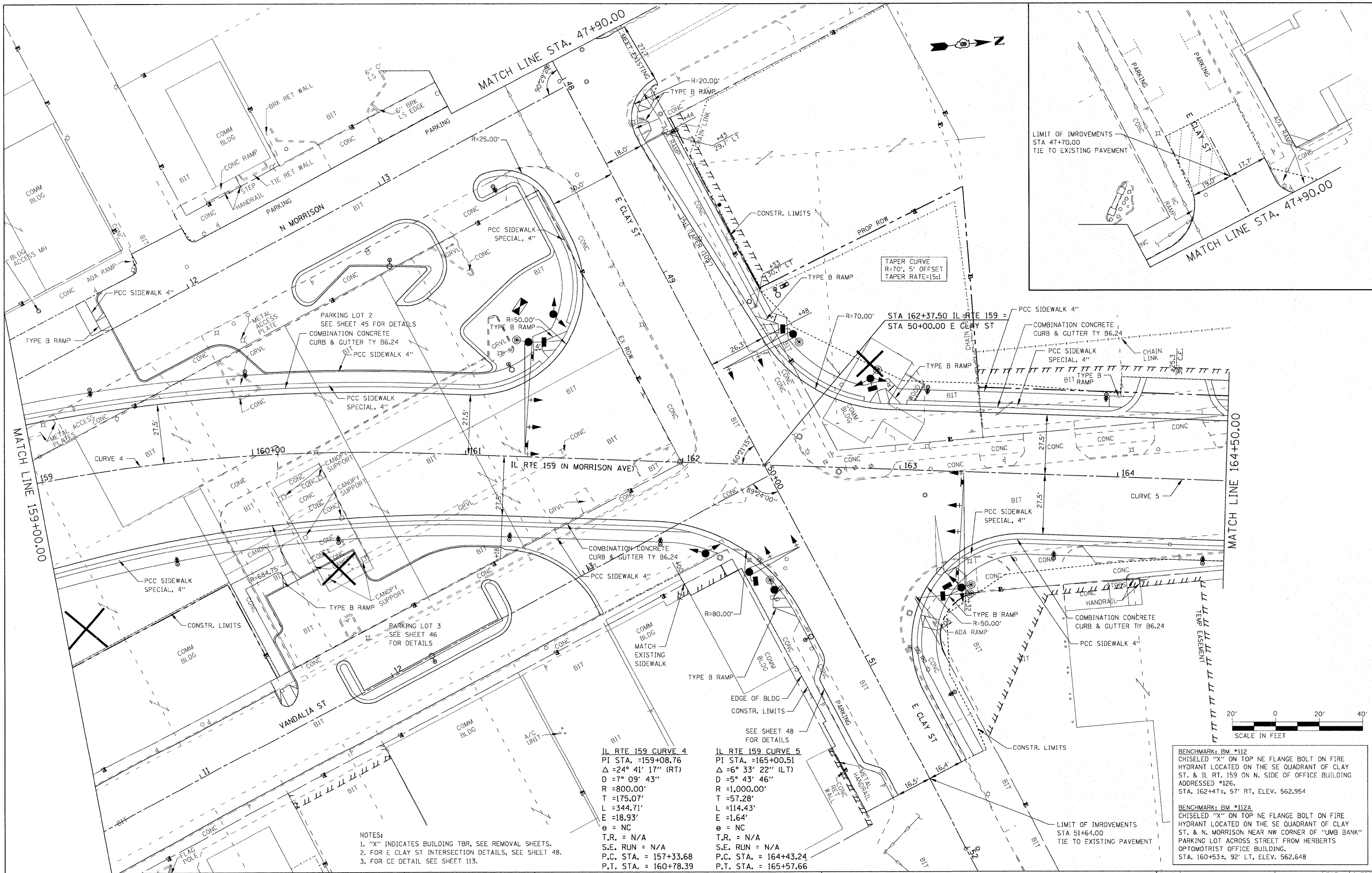
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pr\proj\jeats\51352\1\oadd\dgn\0876054-ah-t-p	mpr f.dgn	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 6/15/2010	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

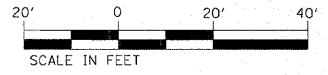
SCALE: N/A	SHEET NO. 2 OF 10 SHEETS	STA. 153+00.00 TO STA. 159+00.00
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**PROFILE
 IL RTE. 159**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	35
CONTRACT NO. 76054				
ILLINOIS FED. AID PROJECT				



TAPER CURVE
R=70', 5' OFFSET
TAPER RATE=15:1



BENCHMARK: BM #112
CHISELED "X" ON TOP NE FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE SE QUADRANT OF CLAY ST. & IL RT. 159 ON N. SIDE OF OFFICE BUILDING ADDRESSED #126.
STA. 162+47.4, 57' RT, ELEV. 562.954

BENCHMARK: BM #112A
CHISELED "X" ON TOP NE FLANGE BOLT ON FIRE HYDRANT LOCATED ON THE SE QUADRANT OF CLAY ST. & N. MORRISON NEAR NW CORNER OF "UMB BANK" PARKING LOT ACROSS STREET FROM HERBERTS OPTOMETRIST OFFICE BUILDING.
STA. 160+53.4, 92' LT, ELEV. 562.648

- NOTES:
1. "X" INDICATES BUILDING TBR, SEE REMOVAL SHEETS.
2. FOR E CLAY ST INTERSECTION DETAILS, SEE SHEET 48.
3. FOR CE DETAIL SEE SHEET 113.

IL RTE 159 CURVE 4
PI STA. =159+08.76
 $\Delta = 24^\circ 41' 17''$ (RT)
D = $7^\circ 09' 43''$
R = 800.00'
T = 175.07'
L = 344.71'
E = 18.93'
e = NC
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 157+33.68
P.T. STA. = 160+78.39

IL RTE 159 CURVE 5
PI STA. =165+00.51
 $\Delta = 6^\circ 33' 22''$ (LT)
D = $5^\circ 43' 46''$
R = 1,000.00'
T = 57.28'
L = 114.43'
E = 1.64'
e = NC
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 164+43.24
P.T. STA. = 165+57.66

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
pa\projects\513521\cadd\ldgn\0876D54-sh1	plnrf.dgn	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 6/15/2010		DATE -	REVISED -

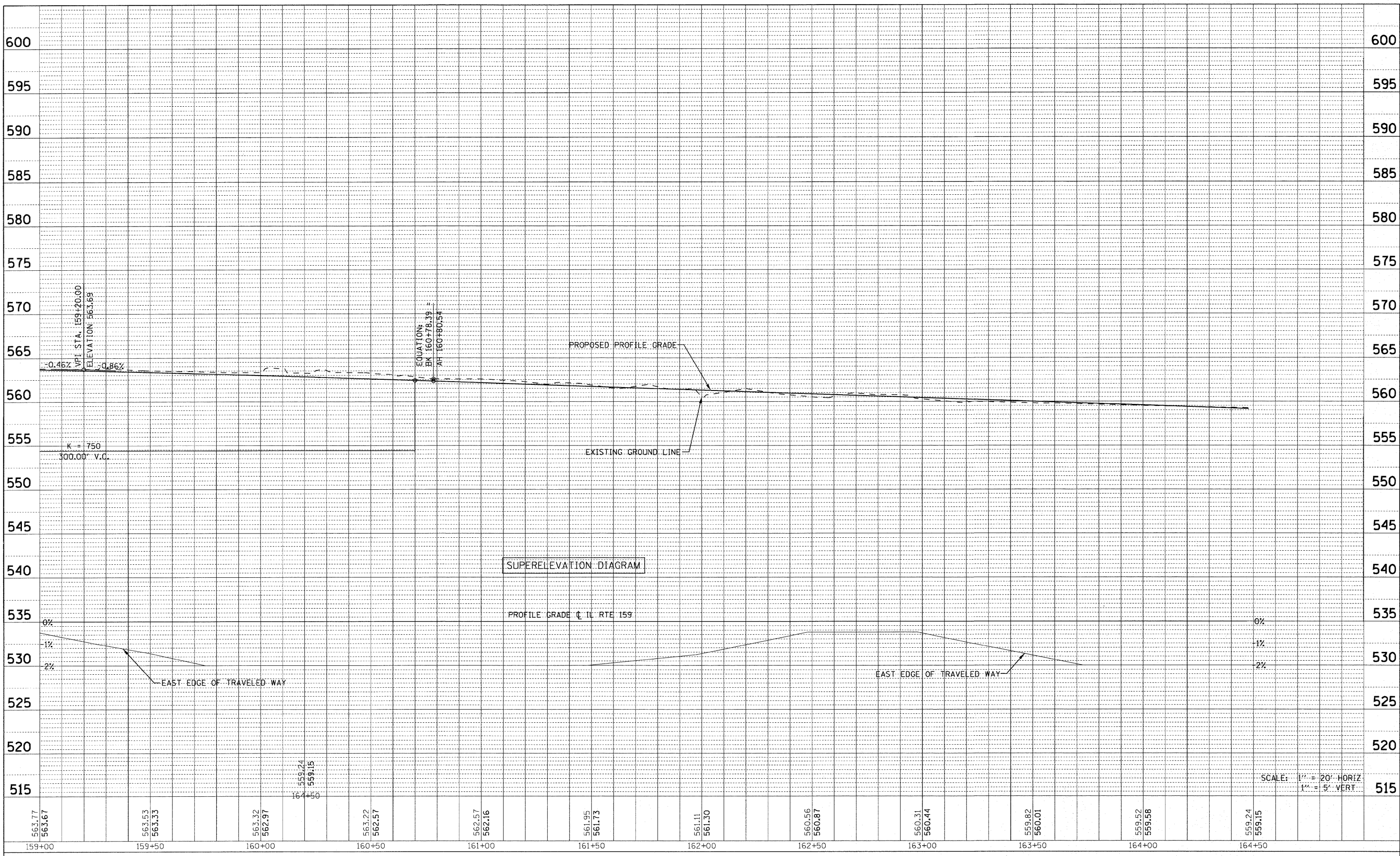
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN		IL RTE. 159	
SCALE: 1" = 20'	SHEET NO. 3 OF 10 SHEETS	STA. 159+00.00 TO STA. 164+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	36
				CONTRACT NO. 76D54
ILLINOIS FED. AID PROJECT				

PLAN SURVEYED BY DATE
 ALIGNED CHECKED
 NOTE BOOK NO. OF WAY CHECKED
 NO. BODY FILE NAME

PROFILE SURV. BY DATE
 GRADES CHECKED
 NOTE BOOK NO. NOTED
 NO. STRUCTURE NOTATIONS CIP/D

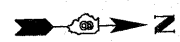


FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 6/15/2010		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

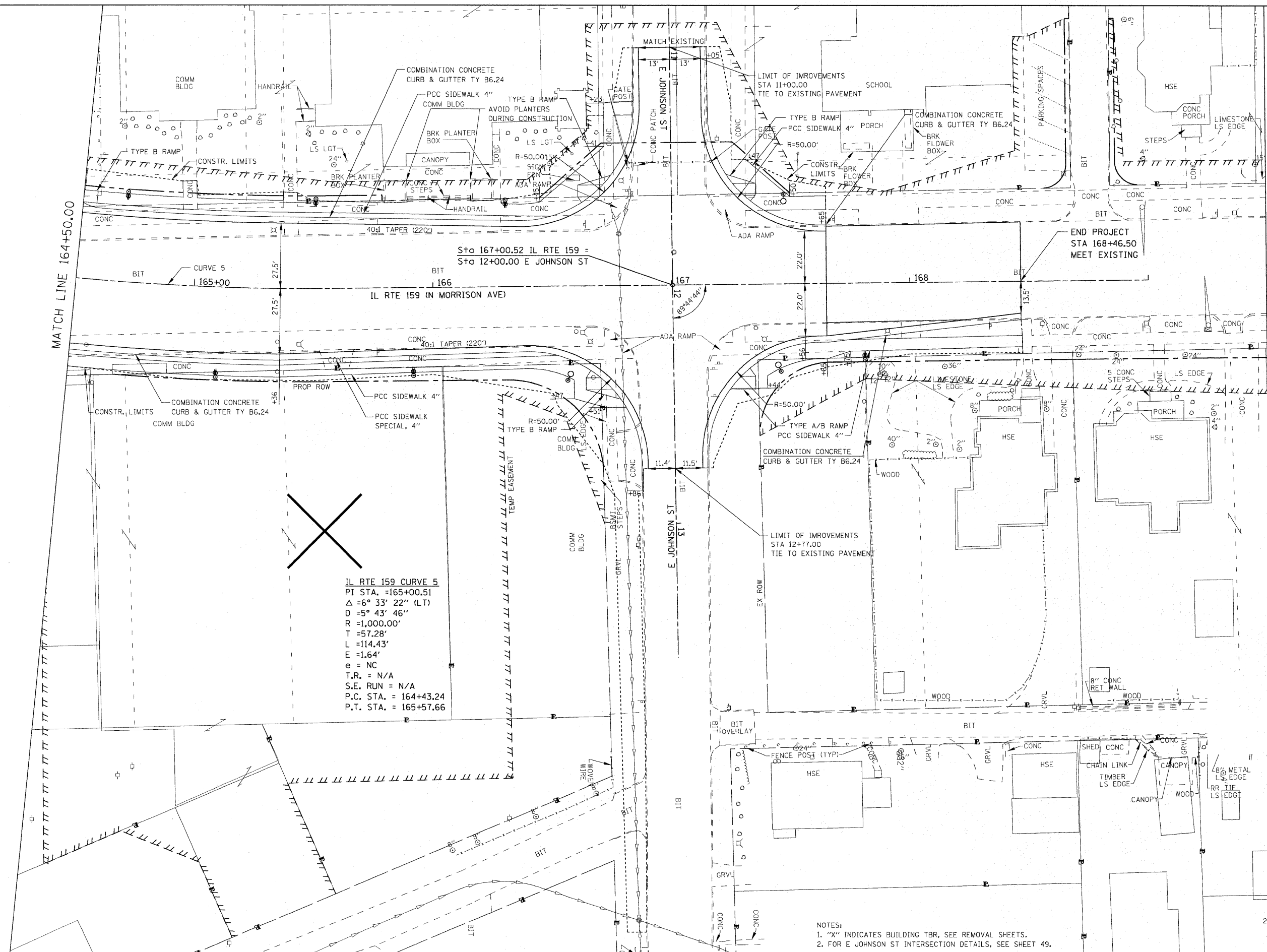
PROFILE IL RTE. 159	
SCALE: N/A	SHEET NO. 4 OF 10 SHEETS
STA. 159+00.00 TO STA. 164+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	37
CONTRACT NO. 76054				
ILLINOIS FED. AID PROJECT				



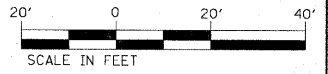
MATCH LINE 164+50.00

MATCH LINE 169+50.00



IL RTE 159 CURVE 5
 PI STA. = 165+00.51
 $\Delta = 6^\circ 33' 22''$ (LT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 57.28'$
 $L = 114.43'$
 $E = 1.64'$
 $e = NC$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 164+43.24$
 $P.T. STA. = 165+57.66$

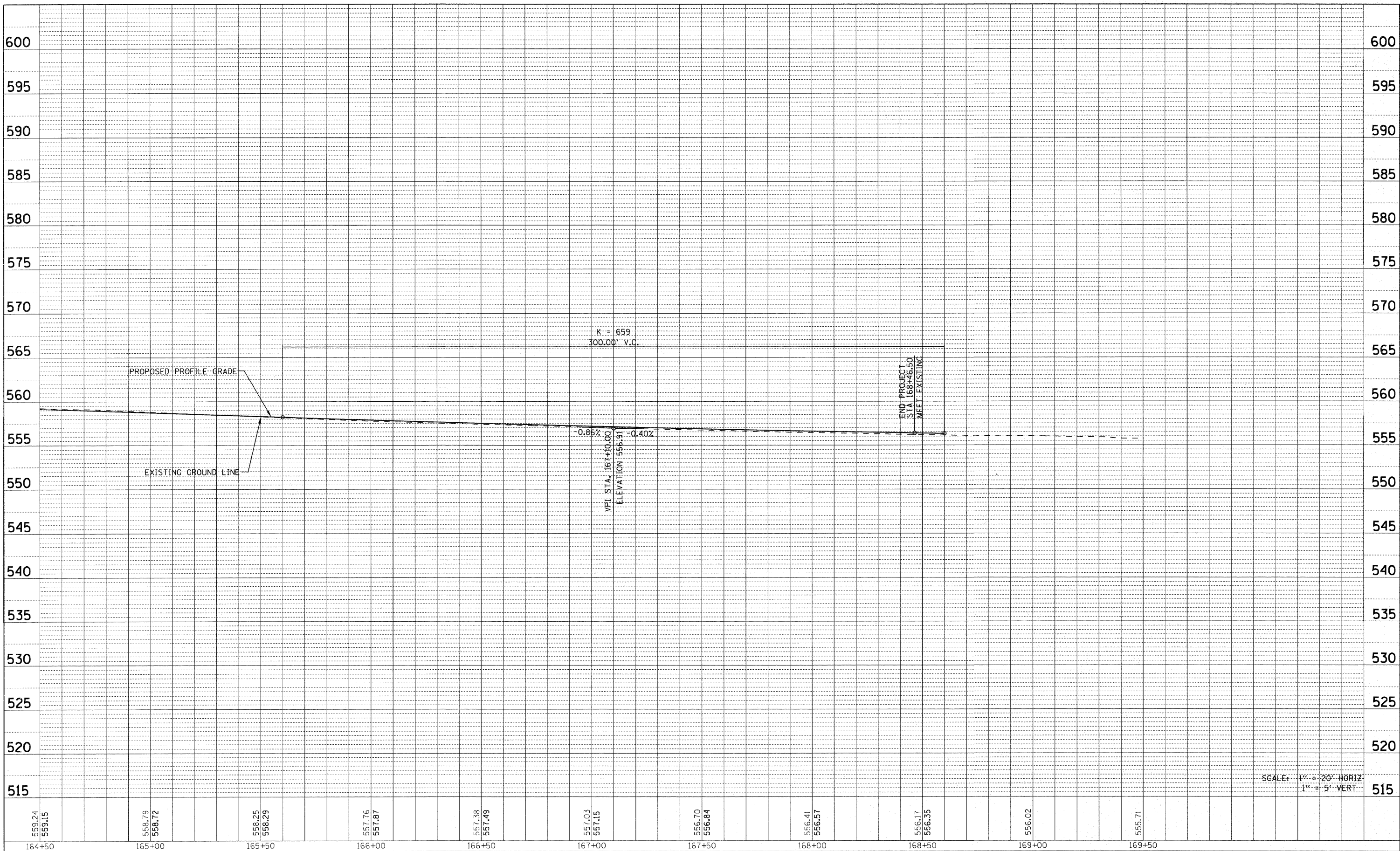
NOTES:
 1. "X" INDICATES BUILDING TBR, SEE REMOVAL SHEETS.
 2. FOR E JOHNSON ST INTERSECTION DETAILS, SEE SHEET 49.



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN IL RTE. 159	F.A.P. RTE. 600	SECTION 60-130,31,128)-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 38	
PROJECT =	PLT SCALE = 20.0000' / IN.	DRAWN -	REVISED -			SCALE: 1" = 20'	SHEET NO. 5 OF 10 SHEETS	STA. 164+50.00 TO STA. 169+50.00	CONTRACT NO. 76D54		
PLT DATE = 6/15/2010		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								

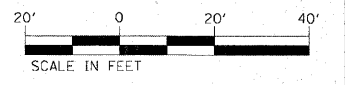
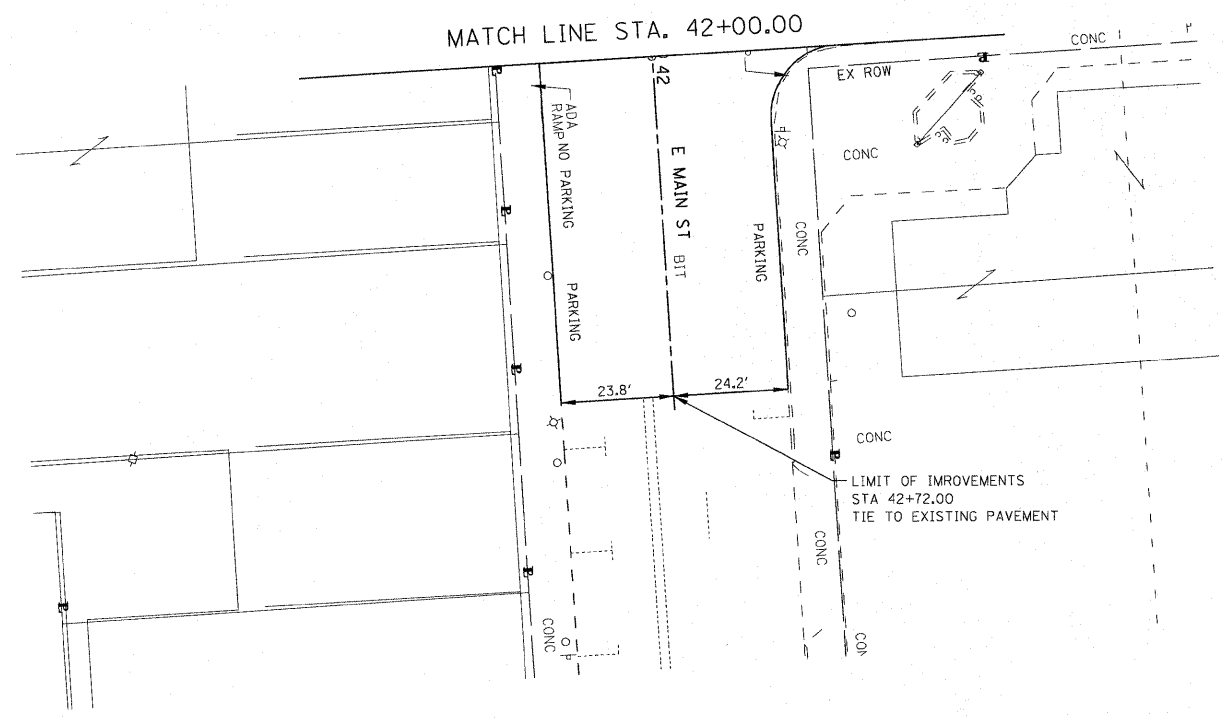
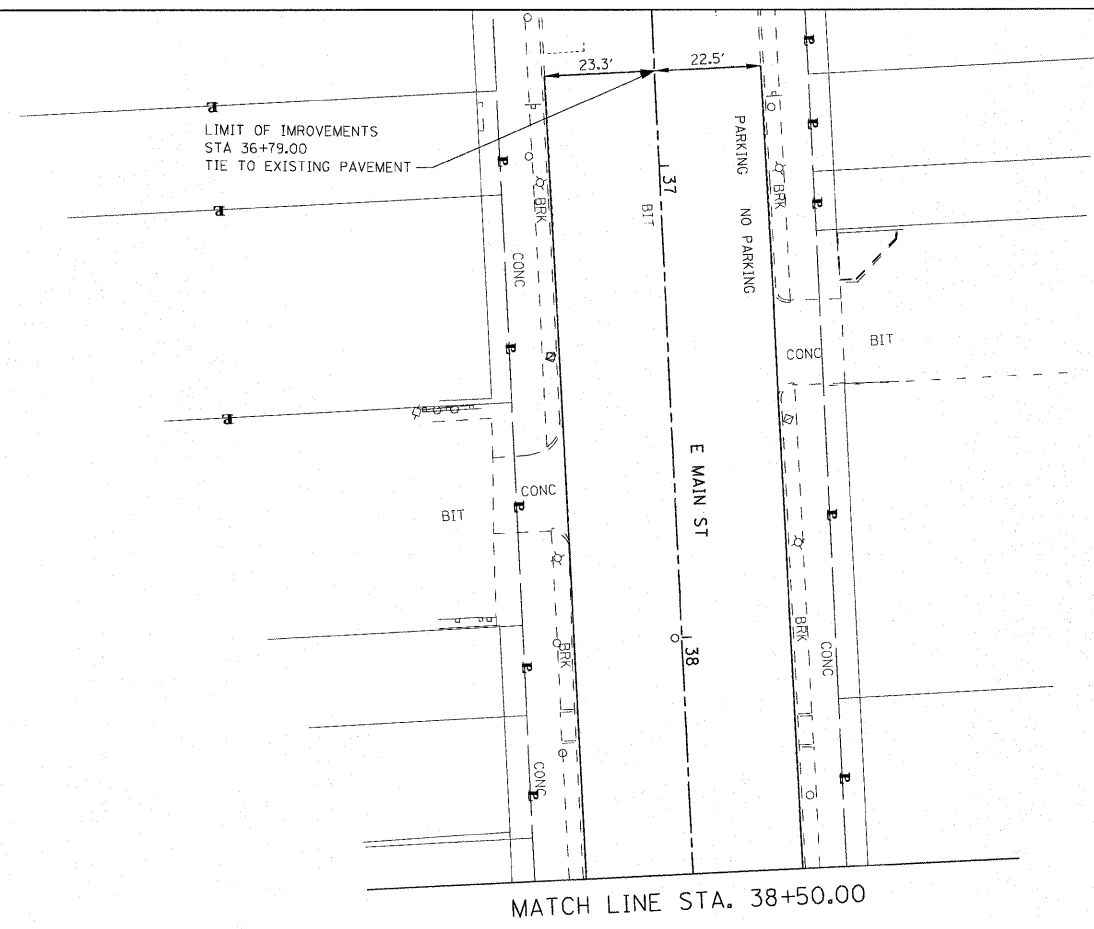
PLAN SURVEYED BY DATE
 NOTE BOOK NO. OF WAY CHECKED
 NO. ROAD FILE NAME

PROFILE SURV. BY DATE
 GRADES CHECKED
 B.M. NOTED
 NO. STRUCTURE NOTATION CIPED



SCALE: 1" = 20' HORIZ
 1" = 5' VERT

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROFILE IL RTE. 159		F.A.P. RTE. 600	SECTION 60-130,31,128-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 39
PROJECT =	DATE = 6/15/2010	DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 6 OF 10 SHEETS	STA. 164+50.00 TO STA. 169+50.00	CONTRACT NO. 76054		ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -								
		DATE -	REVISED -								



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
p:\projects\513501\sead\dgn\0876054.sht	plnprf.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

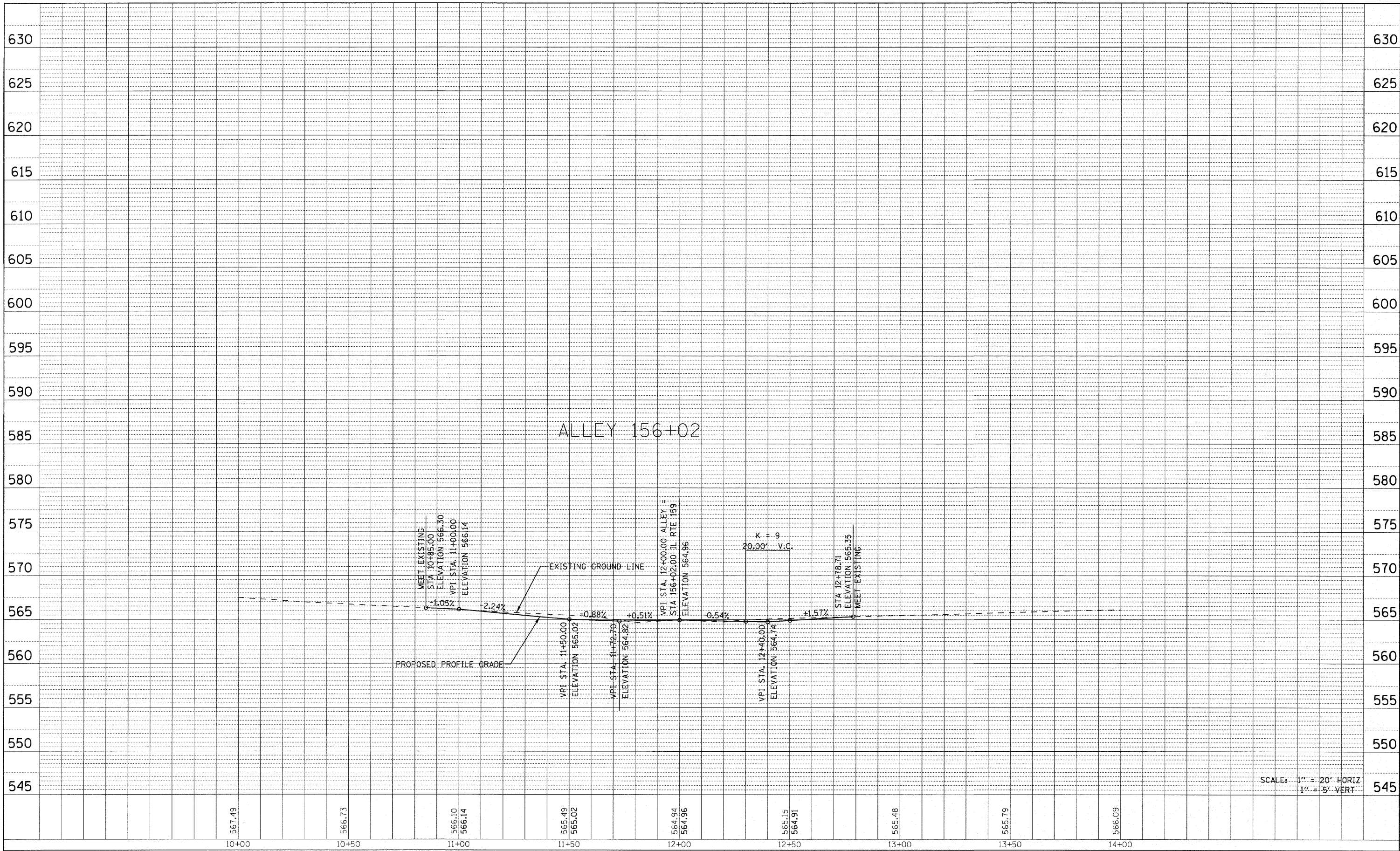
**PLAN
MAIN STREET**

SCALE: 1" = 20' SHEET NO. 7 OF 10 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	40
CONTRACT NO. 76054				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTE BOOK		
	NO.		
	PT. OF WAY CHECKED		
	NO.		
	JOB FILE NAME		

PROFILE	SUR.	BY	DATE
	GRADES CHECKED		
	NO.		
	STRUCTURE NOTATION		
	NO.		



SCALE: 1" = 20' HORIZ
1" = 5' VERT

FILE NAME = p:\projects\51350\cadd\dgn\0876054-sh1-p\prf.dgn

USER NAME = default
DRAWN -
CHECKED -
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

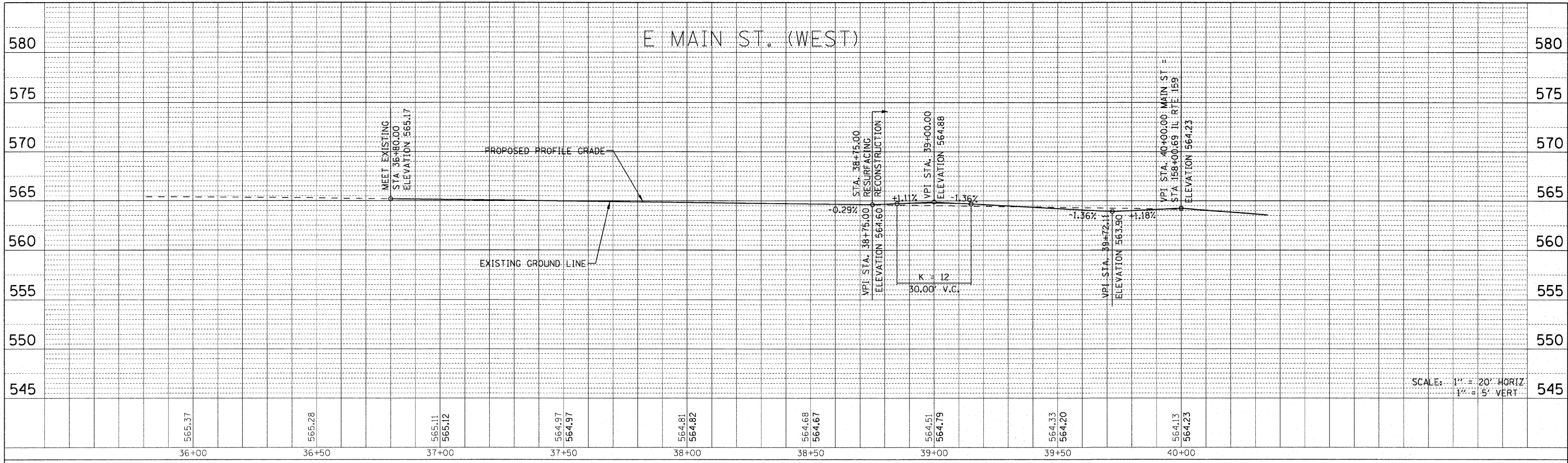
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: N/A SHEET NO. 8 OF 10 SHEETS STA. N/A TO STA. N/A

**SIDE ROAD PROFILE
ALLEY 156+02**

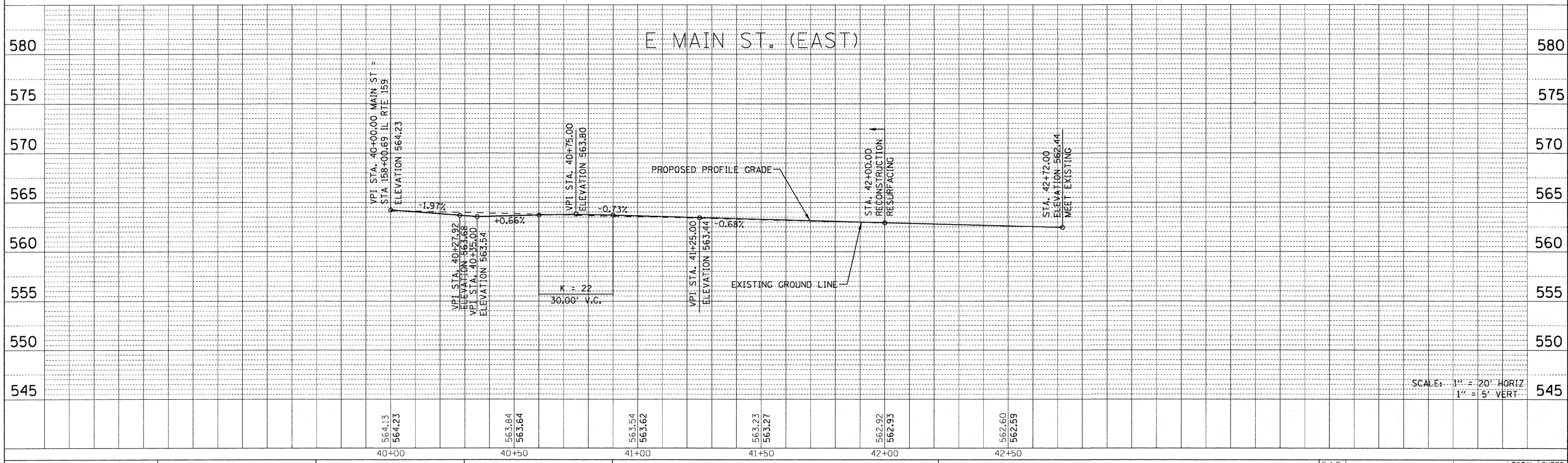
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	41
CONTRACT NO. 76054				
ILLINOIS FED. AID PROJECT				

PLAN SURVEYED BY DATE
 NOTE BOOK NO. BY DATE
 ALIGNMENT CHECKED BY DATE
 RT. OF WAY CHECKED BY DATE
 PLOTTING FILE NAME



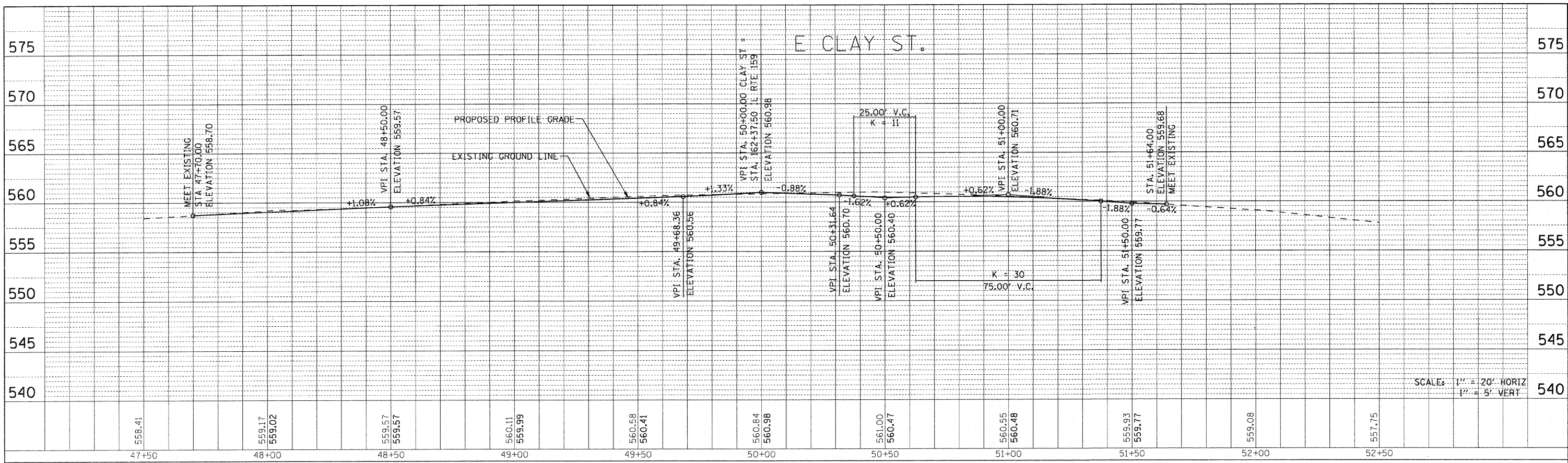
SCALE: 1" = 20' HORIZ
 1" = 5' VERT

PROFILE SURV. BY DATE
 NOTE BOOK NO. BY DATE
 GRADES CHECKED BY DATE
 B.M. NOTED BY DATE
 STRUCTURE NOTATION CHKD

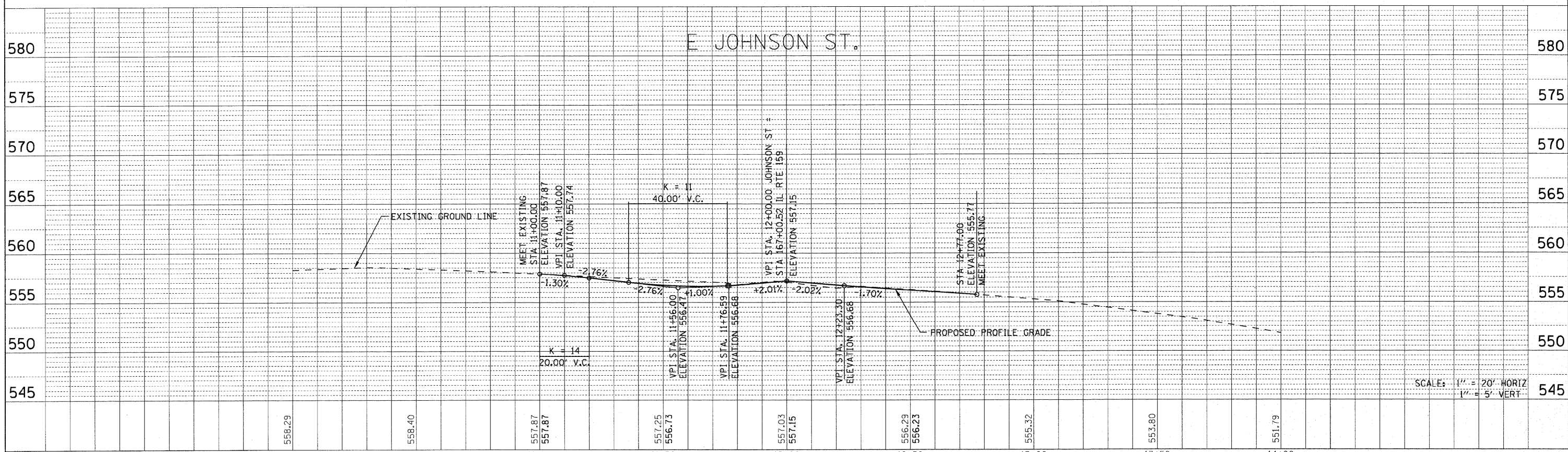


SCALE: 1" = 20' HORIZ
 1" = 5' VERT

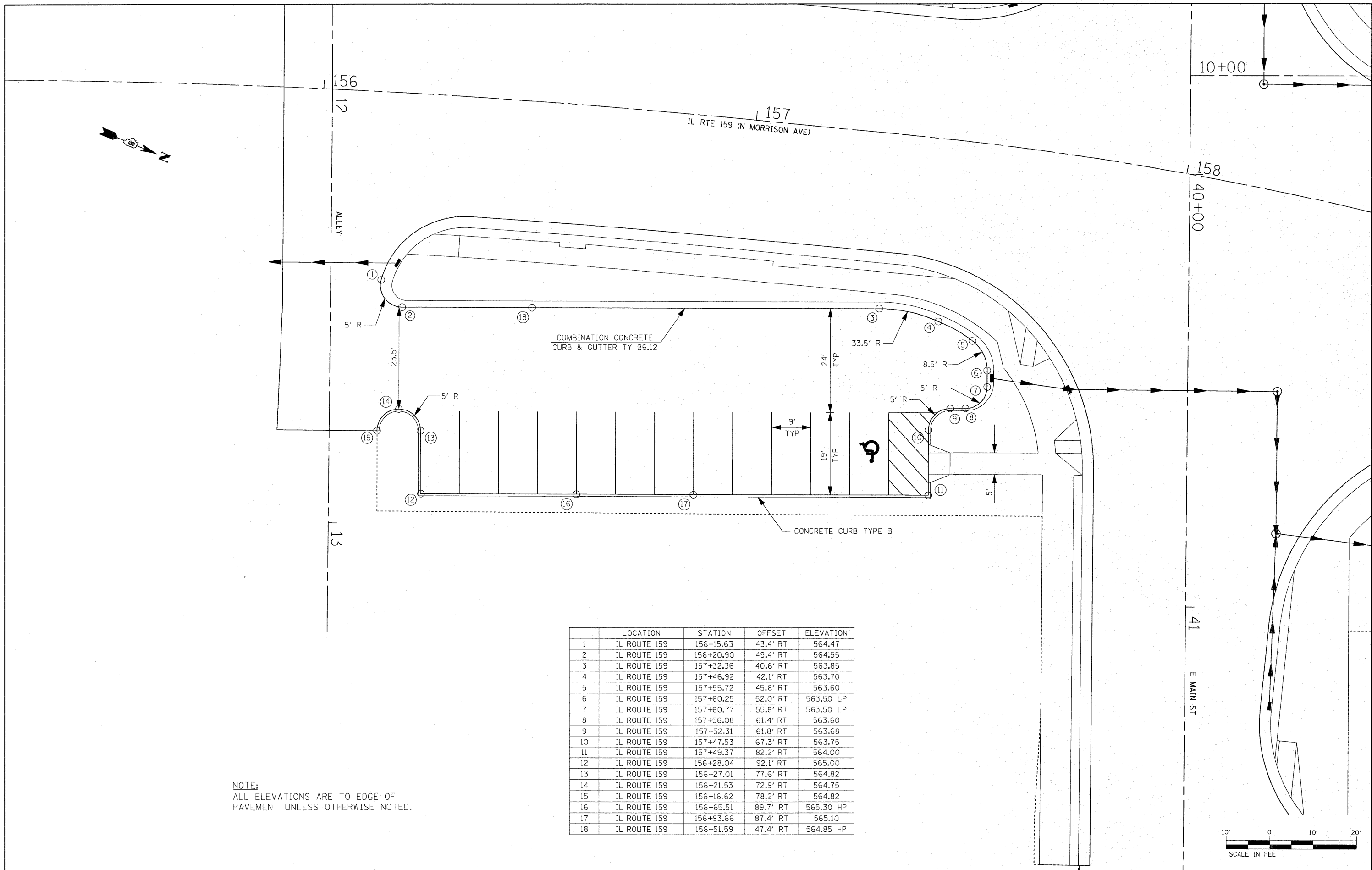
PLAN
 SURVEYED BY: _____ DATE: _____
 ALIGNED BY: _____
 CHECKED BY: _____
 RT. OF WAY CHECKED BY: _____
 NO. _____
 ROAD FILE NAME: _____



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

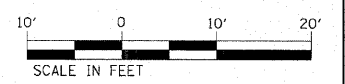


FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDE ROAD PROFILE E CLAY ST / E JOHNSON ST		F.A.P. RTE. = 600	SECTION = 60-(30,31,128)-N-1	COUNTY = MADISON	TOTAL SHEETS = 152	SHEET NO. = 43	
pi:\projects\31350\1\cadd\dgn\0976054-sht-p\prf.dgn	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 10 OF 10 SHEETS	STA. N/A TO STA. N/A	CONTRACT NO. 76054				
	PLOT DATE = 6/15/2010	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



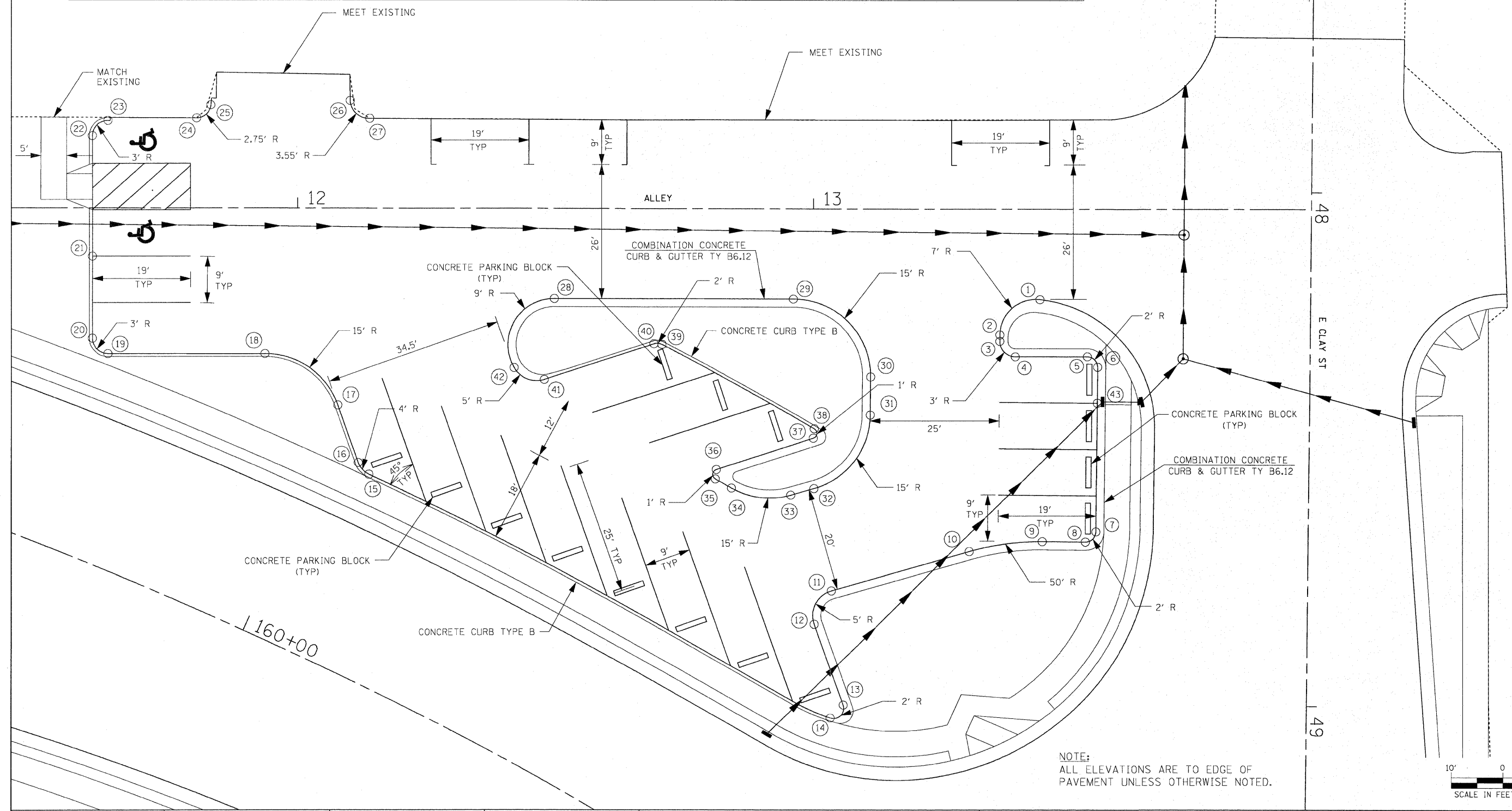
NOTE:
ALL ELEVATIONS ARE TO EDGE OF
PAVEMENT UNLESS OTHERWISE NOTED.

	LOCATION	STATION	OFFSET	ELEVATION
1	IL ROUTE 159	156+15.63	43.4' RT	564.47
2	IL ROUTE 159	156+20.90	49.4' RT	564.55
3	IL ROUTE 159	157+32.36	40.6' RT	563.85
4	IL ROUTE 159	157+46.92	42.1' RT	563.70
5	IL ROUTE 159	157+55.72	45.6' RT	563.60
6	IL ROUTE 159	157+60.25	52.0' RT	563.50 LP
7	IL ROUTE 159	157+60.77	55.8' RT	563.50 LP
8	IL ROUTE 159	157+56.08	61.4' RT	563.60
9	IL ROUTE 159	157+52.31	61.8' RT	563.68
10	IL ROUTE 159	157+47.53	67.3' RT	563.75
11	IL ROUTE 159	157+49.37	82.2' RT	564.00
12	IL ROUTE 159	156+28.04	92.1' RT	565.00
13	IL ROUTE 159	156+27.01	77.6' RT	564.82
14	IL ROUTE 159	156+21.53	72.9' RT	564.75
15	IL ROUTE 159	156+16.62	78.2' RT	564.82
16	IL ROUTE 159	156+65.51	89.7' RT	565.30 HP
17	IL ROUTE 159	156+93.66	87.4' RT	565.10
18	IL ROUTE 159	156+51.59	47.4' RT	564.85 HP



	LOCATION	STATION	OFFSET	ELEVATION		LOCATION	STATION	OFFSET	ELEVATION		LOCATION	STATION	OFFSET	ELEVATION
1	N MORRISON	13+43.96	17.5' RT	559.30	16	N MORRISON	12+11.80	49.4' RT	562.35	31	N MORRISON	13+11.05	40.1' RT	560.20
2	N MORRISON	13+36.19	24.4' RT	559.48	17	N MORRISON	12+07.81	38.2' RT	562.10	32	N MORRISON	13+00.18	54.3' RT	560.85
3	N MORRISON	13+36.18	25.7' RT	559.50 HP	18	N MORRISON	11+93.67	28.3' RT	562.30	33	N MORRISON	12+95.67	55.6' RT	561.00
4	N MORRISON	13+39.18	28.7' RT	559.45	19	N MORRISON	11+63.26	28.3' RT	562.60	34	N MORRISON	12+84.17	54.3' RT	561.25
5	N MORRISON	13+53.13	28.7' RT	559.20	20	N MORRISON	11+60.25	25.3' RT	562.65	35	N MORRISON	12+81.04	52.5' RT	561.30
6	N MORRISON	13+55.13	30.7' RT	559.15	21	N MORRISON	11+60.24	9.4' RT	562.11	36	N MORRISON	12+81.22	50.7' RT	561.32
7	N MORRISON	13+54.86	62.7' RT	559.35	22	N MORRISON	11+60.23	14.0' LT	561.65	37	N MORRISON	13+00.01	44.5' RT	561.52
8	N MORRISON	13+52.84	64.7' RT	559.39	23	N MORRISON	11+63.24	17.0' LT	561.56	38	N MORRISON	13+00.20	42.7' RT	561.54
9	N MORRISON	13+44.48	64.6' RT	559.55	24	N MORRISON	11+80.40	17.5' LT	561.31	39	N MORRISON	12+70.65	26.4' RT	561.90
10	N MORRISON	13+30.31	66.5' RT	560.15	25	N MORRISON	11+83.16	20.1' LT	561.37	40	N MORRISON	12+69.10	26.3' RT	561.88
11	N MORRISON	13+03.59	74.2' RT	561.30	26	N MORRISON	12+10.16	20.1' LT	561.05	41	N MORRISON	12+47.87	33.2' RT	561.68
12	N MORRISON	13+00.26	80.7' RT	561.37	27	N MORRISON	12+13.95	17.5' LT	560.94	42	N MORRISON	12+41.96	31.0' RT	561.75
13	N MORRISON	13+05.92	96.5' RT	561.54	28	N MORRISON	12+49.78	17.5' RT	560.88	43	N MORRISON	13+55.07	37.7' RT	559.00 LP
14	N MORRISON	13+03.40	99.1' RT	561.56	29	N MORRISON	12+96.12	17.5' RT	560.25					
15	N MORRISON	12+13.86	51.7' RT	562.40	30	N MORRISON	13+11.12	32.6' RT	560.00					

NOTE:
SEE SHEET 117 FOR CONCRETE PARKING BLOCK DETAILS



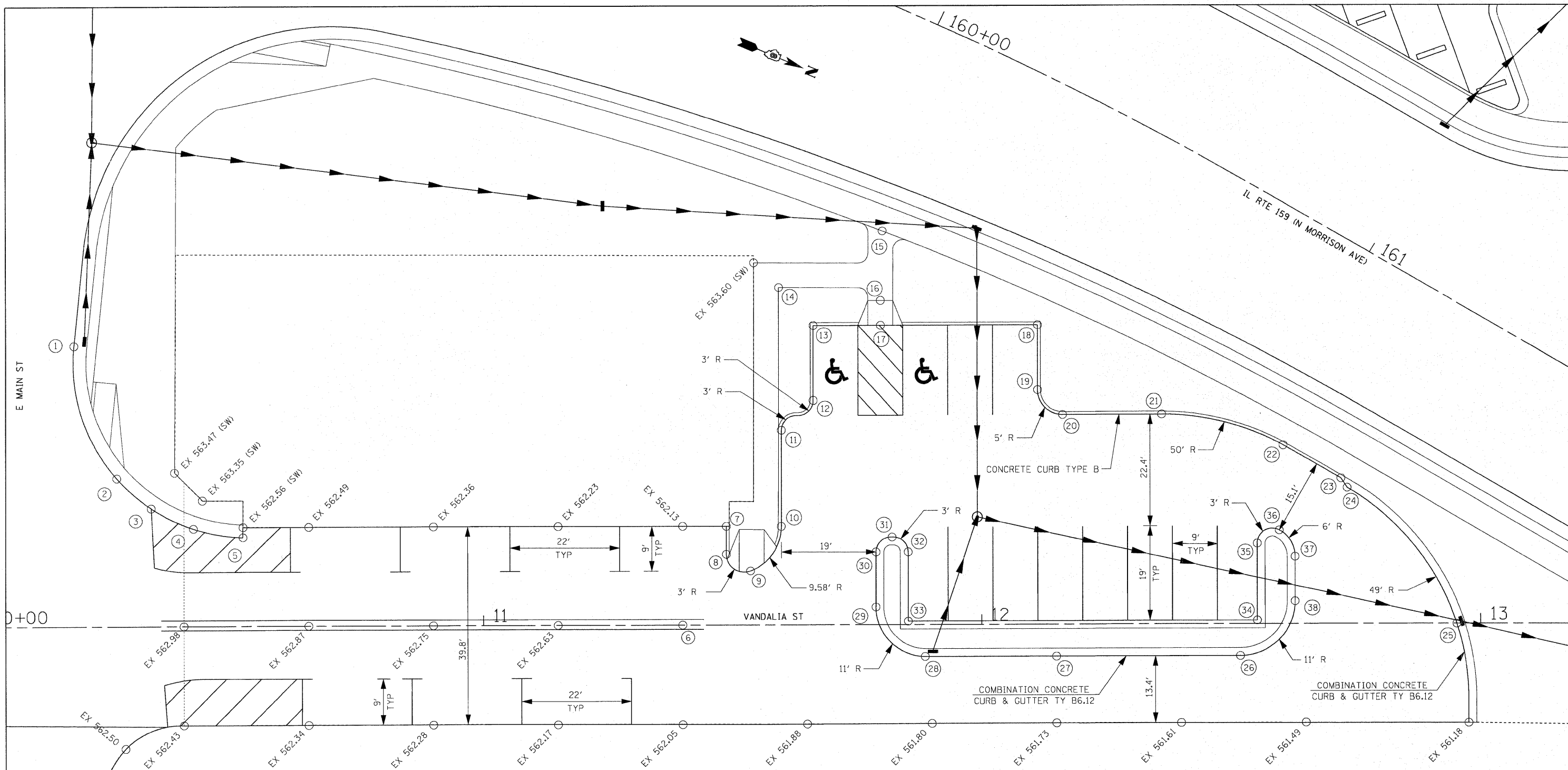
NOTE:
ALL ELEVATIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

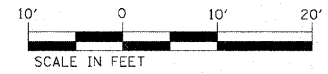
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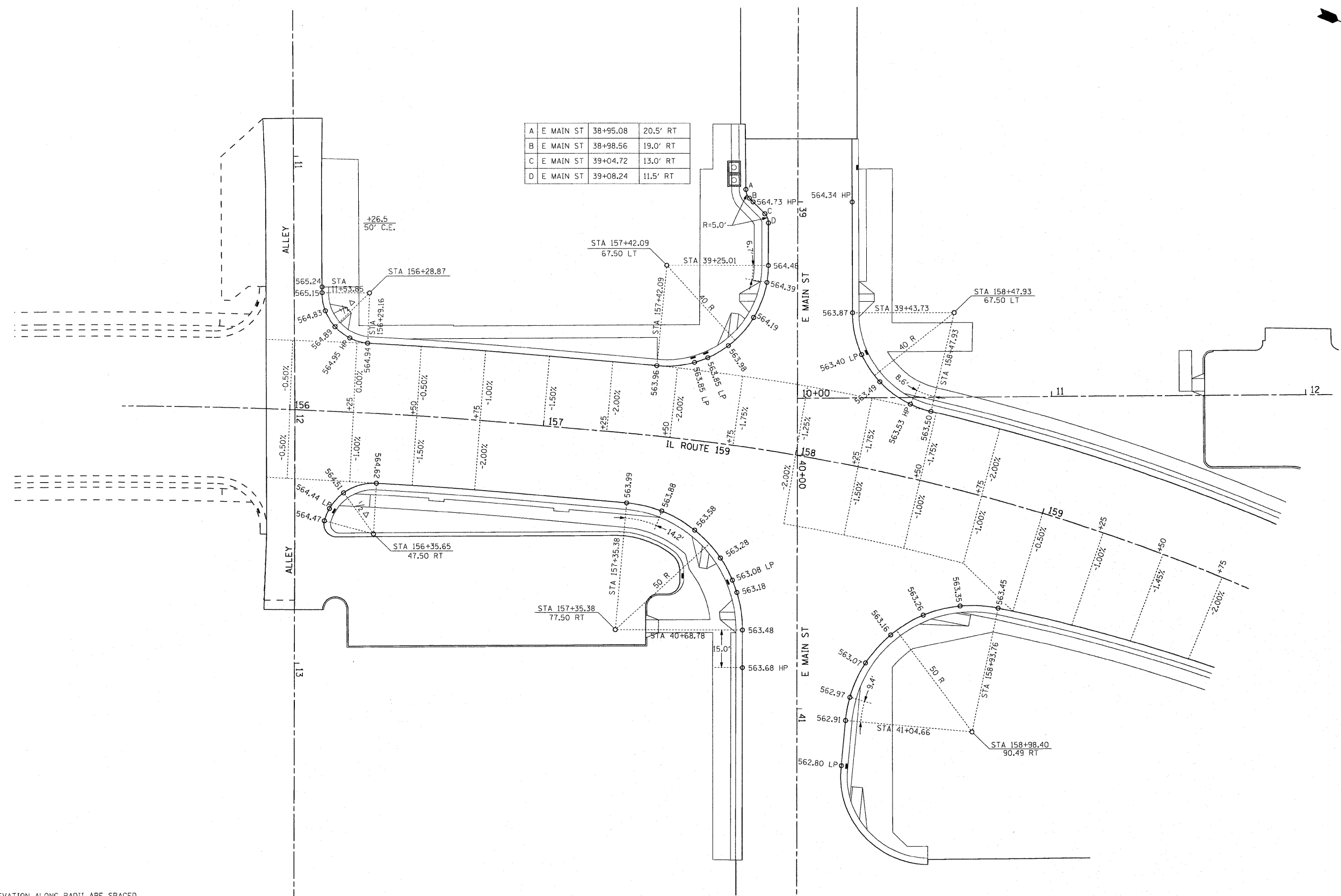
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	45
CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				



NOTE:
ALL ELEVATIONS ARE TO EDGE OF
PAVEMENT UNLESS OTHERWISE NOTED.

LOCATION	STATION	OFFSET	ELEVATION	LOCATION	STATION	OFFSET	ELEVATION	LOCATION	STATION	OFFSET	ELEVATION	LOCATION	STATION	OFFSET	ELEVATION
VANDALIA	10+18.01	56.4' LT	562.80	VANDALIA	11+59.84	39.1' LT	562.30	VANDALIA	12+36.12	42.1' LT	561.62	VANDALIA	11+82.01	17.7' LT	561.85 HP
VANDALIA	10+26.55	29.8' LT	562.91	VANDALIA	11+66.24	45.1' LT	562.40	VANDALIA	12+60.44	35.8' LT	561.35	VANDALIA	11+85.24	14.7' LT	561.80
VANDALIA	10+33.43	23.8' LT	562.97	VANDALIA	11+66.24	60.1' LT	562.55	VANDALIA	12+72.02	29.2' LT	561.10	VANDALIA	11+85.24	0.70' LT	561.70
VANDALIA	10+41.88	19.7' LT	562.90	VANDALIA	11+59.32	67.8' LT	563.50 (SW)	VANDALIA	12+73.26	27.3' LT	561.05	VANDALIA	12+55.24	0.70' LT	561.20
VANDALIA	10+51.81	17.9' LT	562.68	VANDALIA	11+80.16	79.1' LT	562.75 (SW)	VANDALIA	12+95.23	0.0'	560.50 LP	VANDALIA	12+55.24	16.2' LT	561.10
VANDALIA	11+39.98	0.0'	562.23	VANDALIA	11+79.75	65.1' LT	562.85 (SW)	VANDALIA	12+51.82	6.5' RT	561.10	VANDALIA	12+59.66	18.9' LT	561.07
VANDALIA	11+48.75	19.9' LT	562.07	VANDALIA	11+79.75	60.1' LT	562.35	VANDALIA	12+14.96	6.5' RT	561.58 HP	VANDALIA	12+62.82	13.6' LT	561.00
VANDALIA	11+48.75	14.3' LT	562.03	VANDALIA	12+11.24	60.1' LT	562.10	VANDALIA	11+88.60	6.5' RT	561.45	VANDALIA	12+62.82	4.5' LT	560.87
VANDALIA	11+53.60	11.0' LT	562.00	VANDALIA	12+11.24	47.1' LT	561.98	VANDALIA	11+78.76	3.6' LT	561.63				
VANDALIA	11+59.79	19.9' LT	562.07	VANDALIA	12+16.24	42.1' LT	561.90	VANDALIA	11+78.79	14.7' LT	561.80				





A	E MAIN ST	38+95.08	20.5' RT
B	E MAIN ST	38+98.56	19.0' RT
C	E MAIN ST	39+04.72	13.0' RT
D	E MAIN ST	39+08.24	11.5' RT

- ALL ELEVATION ALONG RADII ARE SPACED AT 15' INTERVALS UNLESS OTHERWISE NOTED.
- ALL ELEVATION ARE LOCATED AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- SEE SHEET 86 FOR STRIPING AND SIGNING.
- SEE SHEET 51 FOR DRAINAGE AND UTILITIES.



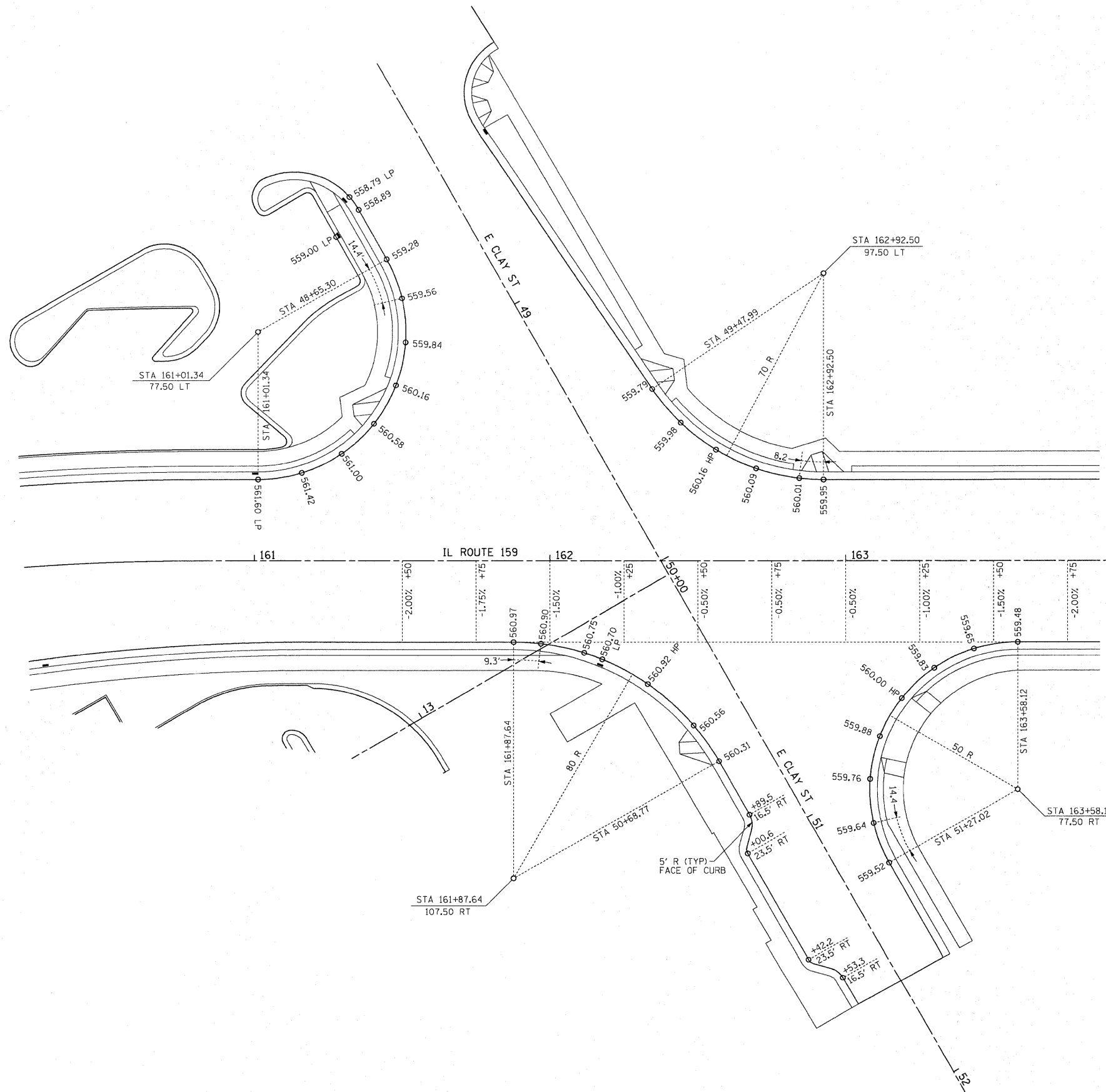
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

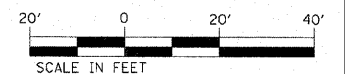
**INTERSECTION GEOMETRIC DETAILS
IL RTE. 159 AND ALLEY @ STA. 156+02 /E MAIN ST**

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	47
				CONTRACT NO. 76D54
ILLINOIS FED. AID PROJECT				



- ALL ELEVATION ALONG RADII ARE SPACED AT 15' INTERVALS UNLESS OTHERWISE NOTED.
- ALL ELEVATION ALONG RADII ARE SPACED AT 15' INTERVALS UNLESS OTHERWISE NOTED.
- SEE SHEET 87 FOR STRIPING AND SIGNING.
- SEE SHEET 55 FOR DRAINAGE AND UTILITIES.



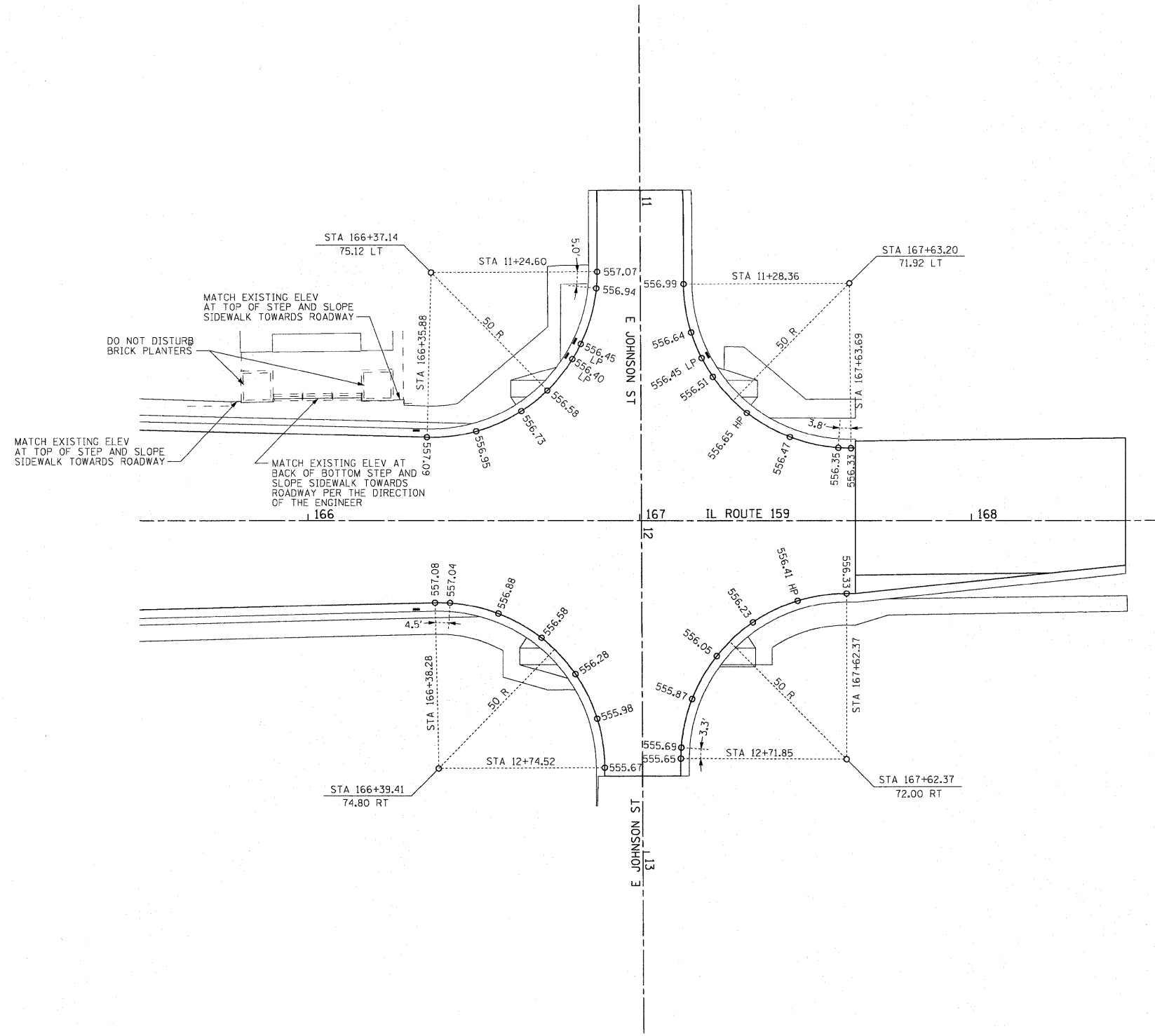
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	PLOT DATE = 6/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

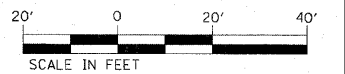
**INTERSECTION GEOMETRIC DETAILS
IL RTE. 159 AND E CLAY ST**

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	48
CONTRACT NO. 76054				
ILLINOIS FED. AID PROJECT				



- ALL ELEVATION ALONG RADII ARE SPACED AT 15' INTERVALS UNLESS OTHERWISE NOTED.
- ALL ELEVATION ARE LOCATED AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- SEE SHEET 88 FOR STRIPING AND SIGNING.
- SEE SHEET 60 FOR DRAINAGE AND UTILITIES.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GEOMETRIC DETAILS
IL RTE. 159 AND E JOHNSON ST**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	49
			CONTRACT NO. 76054	
ILLINOIS FED. AID PROJECT				

UTILITY GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" CURRENT ADDITION, THESE PLANS, THE SPECIAL PROVISIONS, THE CONDITIONS OF THE I.E.P.A. PERMIT, AND THE CITY OF COLLINSVILLE SUBDIVISION ORDINANCE.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - * AMEREN IP (GAS & ELECTRIC)
 - * AT&T (COMMUNICATIONS)
 - * AT&T CORPORATION (COMMUNICATIONS)
 - * BUCO SERVICES, LTD (COMMUNICATIONS)
 - * CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - * CITY OF COLLINSVILLE (WATER & SANITARY SEWER)
 - * MCLEOD (COMMUNICATIONS)
- MEMBERS OF J.U.L.I.E. (800-892-0123) ARE INDICATED BY AN *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
3. ALL EXCAVATIONS UNDER AND WITHIN 2' OF ALL ROADWAY ELEMENTS SUCH AS PAVEMENT, SHOULDERS, DRIVEWAYS, AND SIDEWALKS SHALL BE BACKFILLED WITH CLASS I (COMPACTED CA-6) OR APPROVED EQUAL, AND SURFACE RESTORED WITH BITUMINOUS COLD PATCH MATERIAL. CLASS III (EARTHEN) BACKFILL CAN BE USED EVERYWHERE ELSE. PATCHING SHALL BE INCLUDED WITH THE INSTALLATION OF THE WATER MAIN.
4. WATER MAIN AND SERVICE LINE TRENCHES IN EARTHEN AREAS SHALL BE BACKFILLED WITH THE EXCAVATED MATERIAL AND MODERATELY COMPACTED WITH THE BACKHOE BUCKET OR WHEEL SO AS TO MINIMIZE / ELIMINATE SETTLEMENT AND THE POTENTIAL CREATION OF HAZARDOUS DEPRESSIONS. THIS WORK IS INCLUDED IN THE COST OF THE CONTRACT.
5. MINIMUM DEPTH OF COVER ON THE PROPOSED WATER MAINS AND SERVICES SHALL BE 42".
6. THWN SOFT DRAW NO. 12 COPPER TRACER WIRE SHALL BE INSTALLED WITH ALL PVC WATER MAINS. IT SHALL BE CONNECTED TO ALL VALVES AND HYDRANTS. ALL SPLICES SHALL BE SOLDERED AND WATER TIGHT. THE COSTS FOR COMPLYING WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
7. REMOVAL AND SUITABLE DISPOSAL OF SURPLUS EXCAVATED MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH THE COST OF SAID DISPOSAL INCLUDED IN THE COST OF THE CONTRACT.
8. ANY DAMAGE TO EXISTING CULVERTS/STORM SEWERS BY CONTRACTOR'S OPERATIONS SHALL BE CAUSE FOR THE CONTRACTOR TO REMOVE AND REPLACE SAME AT NO COST TO THE CONTRACT. COST TO REMOVE AND REPLACE CULVERTS AS NECESSARY TO INSTALL WATER MAIN SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
9. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRENCH SHORING, EQUIPMENT, ETC., TO PROVIDE FOR THE PROPER PROTECTION OF HIS WORKERS AS REQUIRED BY D.S.H.A., THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND THE ILLINOIS DEPARTMENT OF LABOR. THIS REQUIREMENT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND THE CITY WILL NOT BE RESPONSIBLE FOR THE ENFORCEMENT OF SAFETY STANDARDS.
10. HYDRANTS ARE TO BE SET ON 6" LATERALS, ISOLATED BY A GATE VALVE WITH BOX, AND RESTRAINED WITH SET SCREW RETAINER GLANDS, AND CONCRETE THRUST BLOCKS. TYPICALLY, FIRE HYDRANT ASSEMBLY TO INCLUDE 6" GATE VALVE/VALVE BOX, 6" LEAD PIPE, AND 6" FIRE HYDRANT.
11. REMOVAL OF EXISTING HYDRANT ASSEMBLIES AND SALVAGED TO THE CITY SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
12. PROPOSED FIRE HYDRANT BURY DEPTHS ARE SHOWN FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL CONFIRM THE ACTUAL DEPTHS AFTER THE UTILITIES THAT WILL BE CROSSED ARE VERIFIED AND THE PROPOSED WATER MAIN IS INSTALLED. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
13. NEW MAINS TO BE INSTALLED AND ISOLATED BY MEANS OF VALVES UNTIL PERMITTED FOR OPERATIONS BY I.E.P.A. COORDINATE WITH CITY WATER DIVISION FOR FLUSHING, TESTING AND PERMITTING.
14. ALL SERVICES CONNECTED BY TAPPING SADDLE. INSTALL MAIN AVOIDING DAMAGE TO EXISTING SERVICES. REPLACE ALL SERVICE LINES FROM NEW MAIN TO METER WITH FLEXIBLE COPPER TUBING, TYPE "K" ONLY AFTER MAIN HAS BEEN PERMITTED BY I.E.P.A. FOR OPERATION. NEW, SCANNABLE METERS WILL BE FURNISHED BY THE CITY ALONG WITH DRILLED METER PIT LIDS. SALVAGE OLD METERS TO THE CITY.
15. HYDRANT AND VALVE LOCATIONS SHOWN ARE APPROXIMATE. FIELD LOCATION TO SUIT SITE EVERY 300 FEET.
16. THE CONTRACTOR WILL REPLACE ALL EXISTING WATER METERS AND METER BOXES WITH CITY FURNISHED SCANNABLE METERS AND METER BOXES. ALL WATER SERVICE LINES SHALL BE INSTALLED NEW TO THE METER. MODIFICATIONS TO EXISTING WATER LINE SERVICES SHALL BE INCLUDED AT NO ADDITIONAL COMPENSATION.
17. THE CONTRACTOR SHALL FURNISH AND REPLACE METER SETTERS WITH A DOUBLE CHECK VALVE THAT IS ACCEPTABLE BY THE CITY AND STATE. VERTICAL CHECK VALVES MUST BE REMOVABLE FROM THE TAP FOR SERVICE WITHOUT DISTURBING THE SETTER. ALSO INCLUDED WITH THIS ITEM ARE THE TAPPING SLEEVE CONNECTION AND INSTALLATION OF THE CITY FURNISHED SCANNABLE METERS AND METER BOXES. METER LIDS SHALL BE DRILLED FOR SCANNABLE HEADS. THE INSTALLATION OF THE METER SETTER, METER, AND METER BOX SHALL BE MEASURED FOR PAYMENT AS AN INSTALLED UNIT.
18. ALL SERVICE CROSSINGS SHALL BE BORED UNLESS OPEN CUT METHOD IS APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE CITY OF COLLINSVILLE. PLEASE REFER TO THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS."

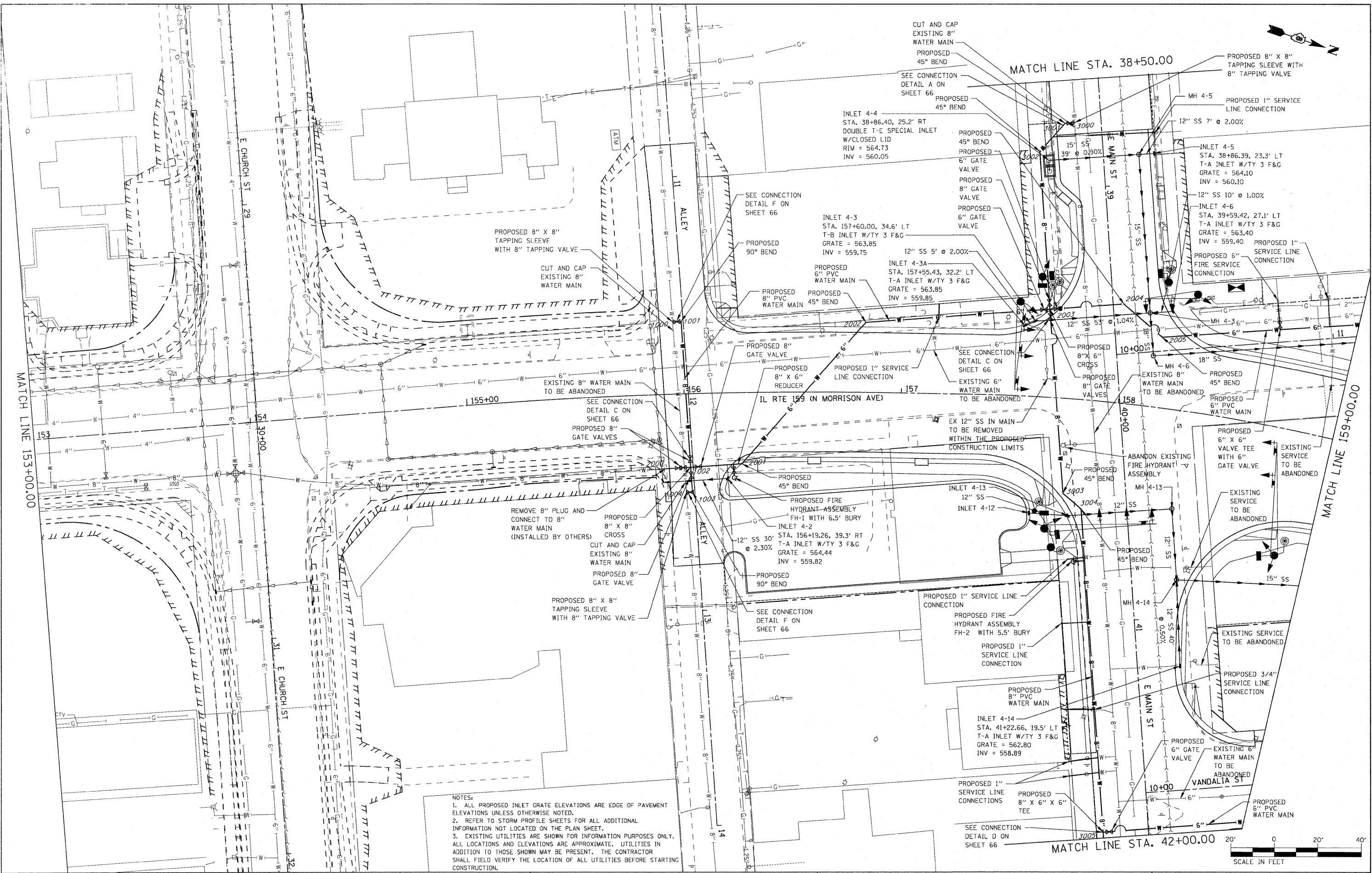
19. TRENCH BACKFILL WILL BE PAID TO THE DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. PLEASE REFER TO THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS."
20. LINE ENDS ARE TO BE CAPPED WITH MECHANICAL JOINT CAP AND A SET SCREW RETAINER GLAND, LESS THAN ONE LENGTH OF PIPE PAST GATE VALVE.
21. ALL VALVES AND FITTINGS SUCH AS TEES, CROSSES, REDUCERS, ELBOWS, CAPS, PLUGS, ETC., SHALL BE DUCTILE IRON WITH MECHANICAL JOINTS AND INCLUDE TRANSITION GASKETS. AND THEY SHALL BE RESTRAINED WITH SET SCREW RETAINER GLANDS AND CONCRETE THRUST BLOCKS.
22. CONCRETE THRUST BLOCKS SHALL NOT BE POURED "WET" UNLESS SPECIFICALLY REQUESTED BY THE CITY. HOWEVER PREFABRICATED CONCRETE BLOCKS (PER THE CITY OF COLLINSVILLE'S SPECIFICATIONS) CAN BE USED TO PROVIDE THRUST RESISTANCE.
23. PIPE MATERIAL SHALL BE PVC SDR 21 WITH PUSH JOINTS MEETING ASTM 3139.
24. MAILBOX REMOVAL AND REPLACEMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT.
25. WATER MAINS SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELDS, AND ABSORPTION BEDS BY A MINIMUM OF 25 FEET.
26. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMITS, SHOWN ON THE PLANS. ANY AREAS DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
27. THE CONTRACTOR SHALL STAGE HIS WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 24 HOURS PRIOR TO TEMPORARILY CLOSING ENTRANCES.
28. AFTER FINAL GRADING, THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. THE COST SHALL BE INCLUDED IN THE PRICE FOR WATER MAIN INSTALLATION.
29. ALL SURVEY AND LAYOUT WORK IS THE RESPONSIBILITY OF THE CONTRACTOR AND INCLUDED IN THE COST OF THE CONTRACT
30. ALL TAPPING SLEEVES SHALL BE STAINLESS STEEL WITH A DUCTILE IRON FLANGE.
31. ALL GATE VALVES SHALL BE RIGHT CLOSING WITH STAINLESS STEEL BONNET AND PACK BOLTS.
32. THE EXISTING WATER SERVICE LINES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ALL SIZES, LOCATIONS, AND LENGTHS ARE APPROXIMATE. WATER SERVICE LINES IN ADDITION TO THOSE SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION, AND LENGTH OF ALL WATER SERVICES LINES PRIOR TO THE START OF CONSTRUCTION.

SANITARY NOTES:

1. ALL MATERIALS, INSTALLATION, AND TESTING SHALL BE IN PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH, THE ILLINOIS PLUMBING CODE, AND THE REQUIREMENTS OF THE CITY OF COLLINSVILLE.
2. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PLANS WITH THE ACTUAL DIMENSIONS AND CONDITIONS OF THE SITE. THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINES AND GRADES. IF A DISCREPANCY OCCURS FROM WHAT IS SHOWN ON THE PLANS, STANDARD SPECIFICATIONS, AND/OR DETAILS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE AFFECTED WORK. FAILING TO DO SO WILL BE CONSIDERED AS THE CONTRACTOR HAVING PROCEEDED AT HIS OWN RISK AND EXPENSE.
3. SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) AND SHALL CONFORM TO ASTM D 3034, TYPE PSM FOR SIZES 4"-15", STANDARD DIMENSION RATION (SDR) 35.
4. PVC SEWER PIPE JOINTS SHALL BE SOLVENT WELDED PER ASTM D 3212.
5. ALL MANHOLES SHALL BE PRECAST CONCRETE TYPE A, 48-INCH IN DIAMETER WITH GASKETED INVERTS, ECCENTRIC CONES, STEPS, AND TYPE 1 FRAME AND CLOSED LIDS. LIDS SHALL BE STAMPED "SANITARY". SEE DETAIL FOR MORE INFORMATION.
6. SANITARY SEWER MANHOLE RIM ELEVATIONS SHOWN ON THE PLANS ARE APPROXIMATE. FINAL RIM ELEVATIONS SHALL BE SET TO MATCH THE SURROUNDING FINISH GRADES. ALL COSTS ASSOCIATED WITH THE FINAL RIM ADJUSTMENTS SHALL BE INCLUDED IN THE COST OF THE AFFECTED MANHOLE.

7. BEDDING OF THE PIPE AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AND AS SHOWN IN THE PLANS. GRANULAR TRENCH BACKFILL SHALL BE USED AS INDICATED ON THE PLANS AND WHEN THE EDGE OF ANY TRENCH IS WITHIN 2 FT. OF ANY PAVEMENT, CURB, SIDEWALK, OR OTHER STRUCTURE. TRENCH BACKFILL SHALL BE COMPACTED WITH A ROLLER, VIBRATORY PLATE, OR OTHER COMPACTING DEVICE IN 12-INCH LIFTS.
8. ALL SURFACE MATERIAL SHALL BE REPLACED IN KIND AND TO THE DEPTH THAT EXISTED PRIOR TO REMOVAL.
9. LEAK TESTING FOR MANHOLES SHALL BE DONE IN ACCORDANCE WITH ASTM C969-94- "STANDARD PRACTICE FOR INFILTRATION AND EXFILTRATION ACCEPTANCE TESTING OF INSTALLED PRECAST CONCRETE PIPE SEWER LINES", VOL. 04.05, CHEMICAL RESISTANT MATERIALS, VITRIFIED CLAY, CONCRETE, FIBER-CEMENT PRODUCTS; MORTARS; MASONRY (1996) (NO LATER EDITIONS OR AMENDMENTS) OR ASTM C1244-93 "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE PRESSURE (VACUUM) TEST", VOL. 04.05, CHEMICAL RESISTANT MATERIALS, VITRIFIED CLAY, CONCRETE, FIBER-CEMENT PRODUCTS; MORTARS; MASONRY (1996) (NO LATER EDITIONS OR AMENDMENTS)

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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76D54					
	PLOT DATE = 6/16/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE: N/A		SHEET NO. 1 OF 16 SHEETS		STA. N/A TO STA. N/A	



NOTES:
 1. ALL PROPOSED INLET GRATE ELEVATIONS ARE EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
 2. REFER TO STORM PROFILE SHEETS FOR ALL ADDITIONAL INFORMATION NOT LOCATED ON THE PLAN SHEET.
 3. EXISTING UTILITIES ARE SHOWN FOR INFORMATION PURPOSES ONLY. ALL LOCATIONS AND ELEVATIONS ARE APPROXIMATE. UTILITIES IN ADDITION TO THOSE SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES BEFORE STARTING CONSTRUCTION.

FILE NAME =	USER NAME = default
P:\Projects\1513501\CADD\DWG\0876054-shd	dram.dgn
PLOT SCALE = 20.0000' / IN.	
PLOT DATE = 6/16/2010	

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

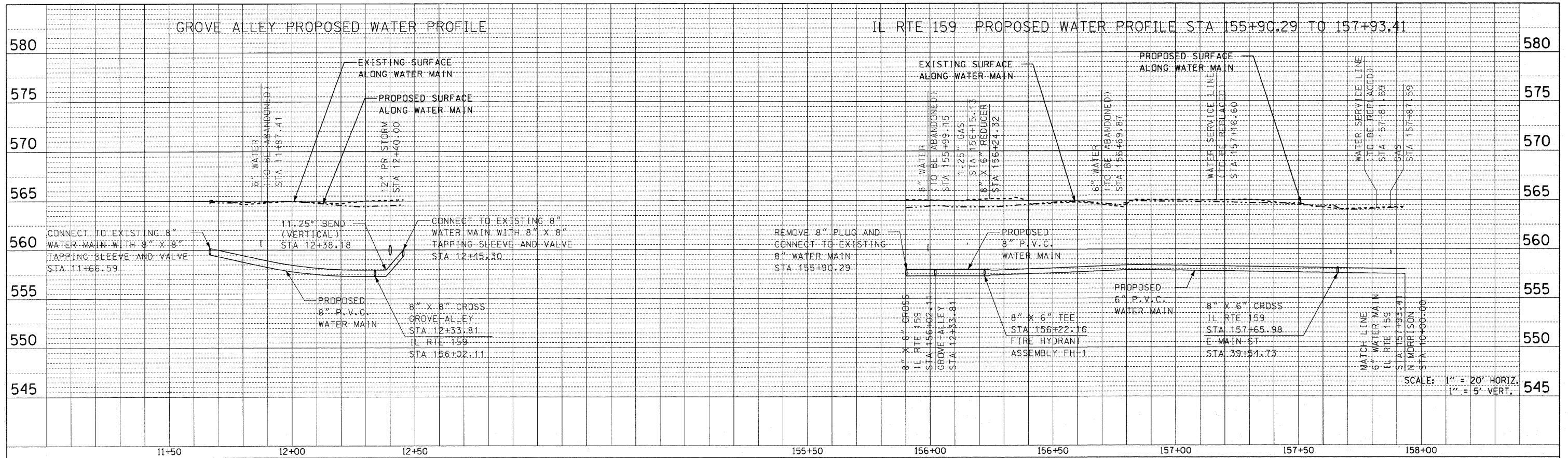
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
 IL ROUTE 159**

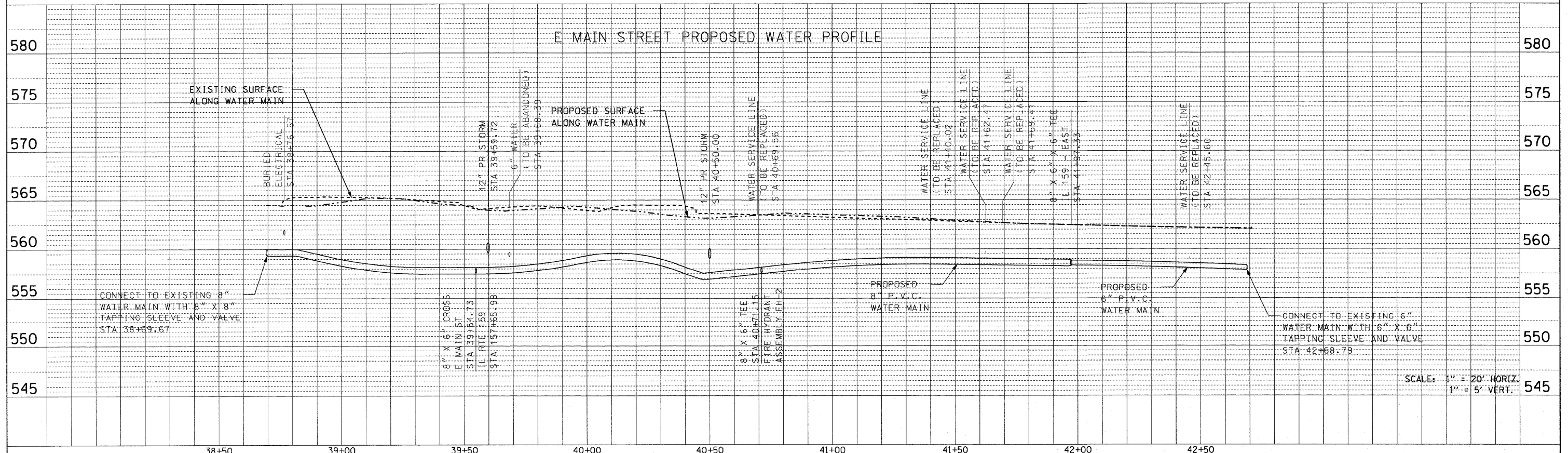
SCALE: 1" = 20' SHEET NO. 2 OF 16 SHEETS STA. 153+00.00 TO STA. 159+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	51
CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NO.	NO.	
NOTE BOOK	ALIGNED	CHECKED
NO.	NO.	NO.
	BY	DATE

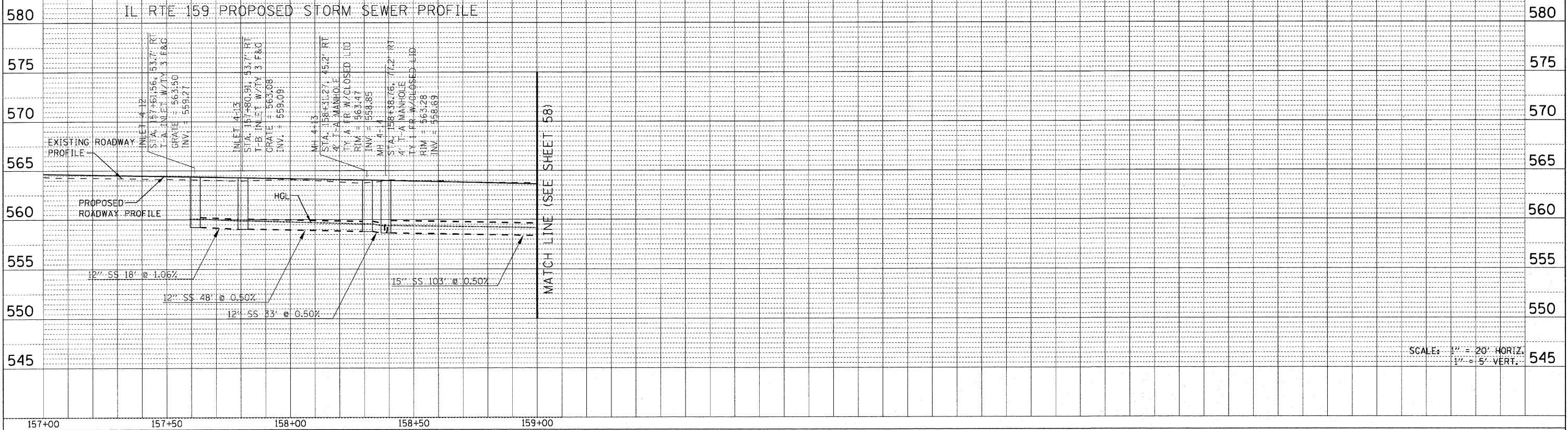


PROFILE	SURVEYED	DATE
NO.	NO.	
NOTE BOOK	GRADES CHECKED	
NO.	NO.	NO.
	BY	DATE



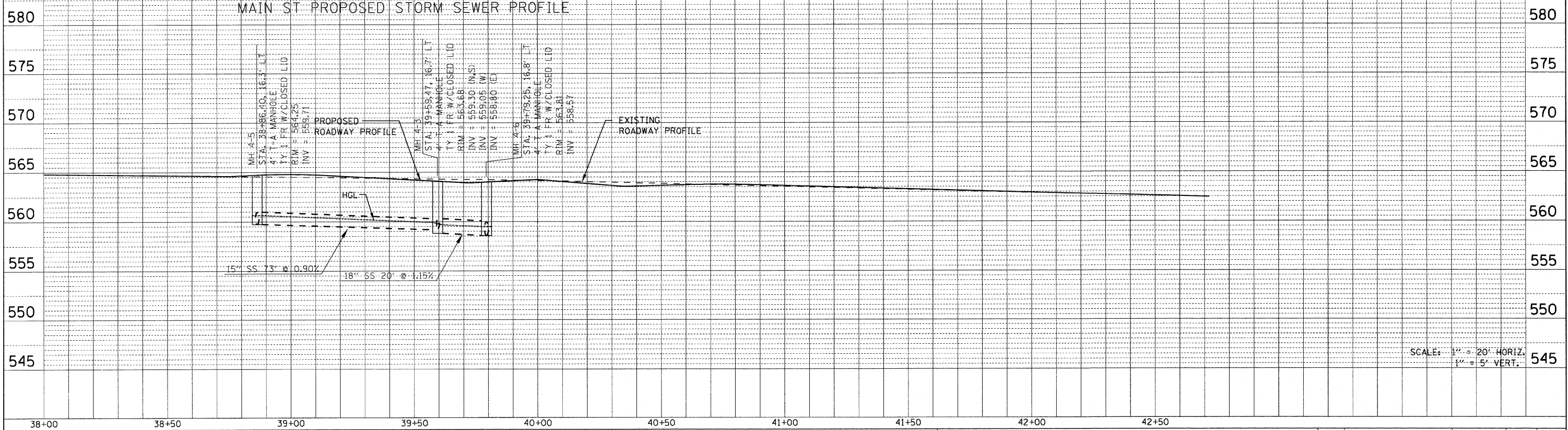
FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PROFILE IL ROUTE 159			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\Projects\513501\CA00\DN\876054-shd-drawings		DRAWN -	REVISED -		600	60-(30,31,128)-N-1	MADISON	152	52	CONTRACT NO. 76D54		
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		SCALE: N/A	SHEET NO. 3 OF 16 SHEETS	STA. N/A	TO STA. N/A		ILLINOIS FED. AID PROJECT		
PLOT DATE = 6/16/2010		DATE -	REVISED -									

DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
BY	
DATE	
NO.	
FILE NAME	



SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

DATE	
BY	
REVISIONS	
PROFILE	
GRADES CHECKED	
BY	
DATE	
NO.	
NOTES	
STRUCTURE NOTATIONS	

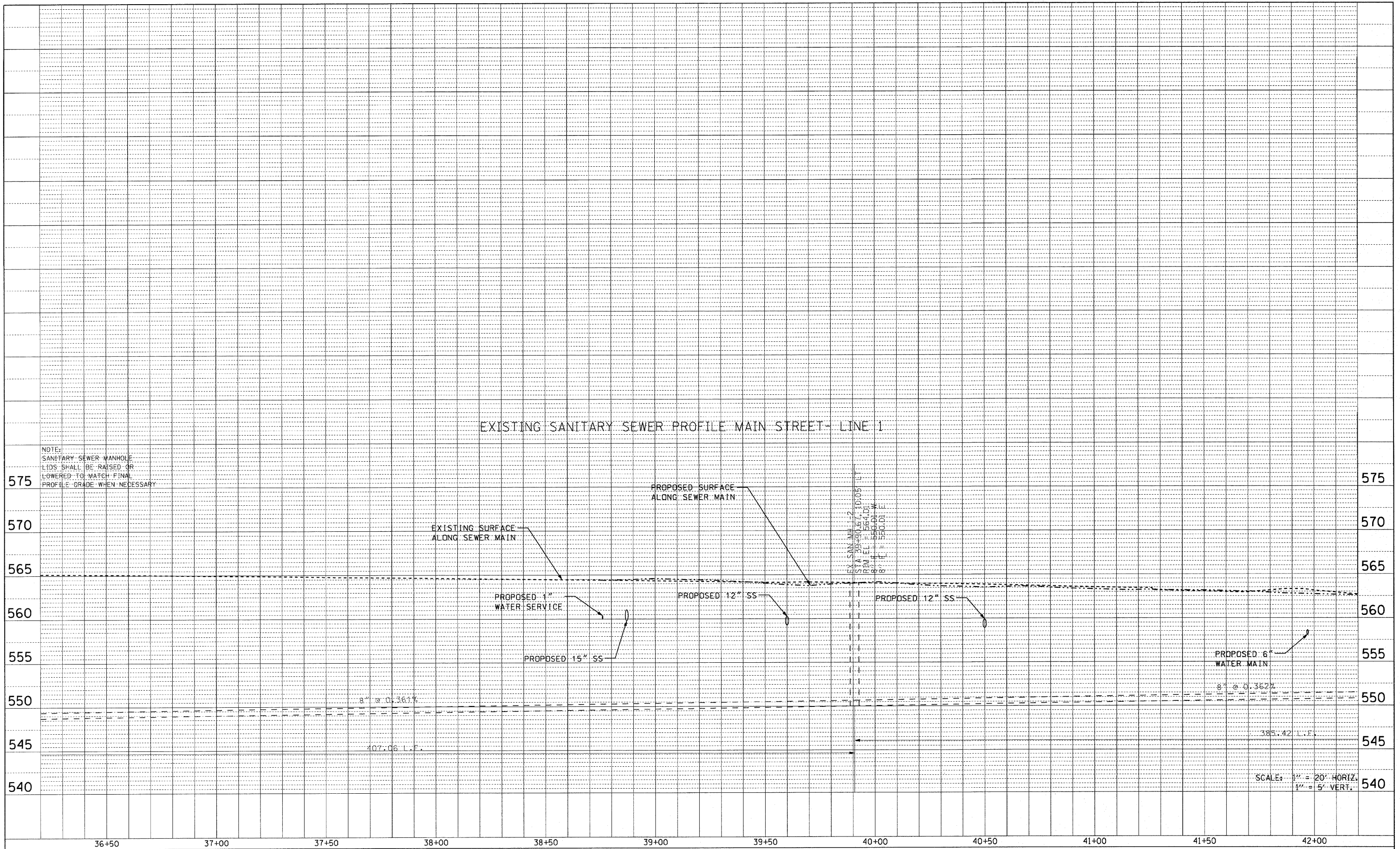


SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PROFILE IL ROUTE 159			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\Projects\61352\1\CAADD\IGN\0878054-sh-t-uram.dgn		DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 4 OF 16 SHEETS	STA. N/A TO STA. N/A	600	60-(30,31,128)-N-1	MADISON	152	53
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -					CONTRACT NO. 76D54				
PLOT DATE = 6/16/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PLAN	REVIEWED	DATE
NO. E BOOK	BY	
	ALIGNMENT CHECKED	
	PAID FILE NAME	

PROFILE	DATE
BY	
GRADES CHECKED	
NOTE BOOK	
STRUCTURE NOTATION'S CIP/D	

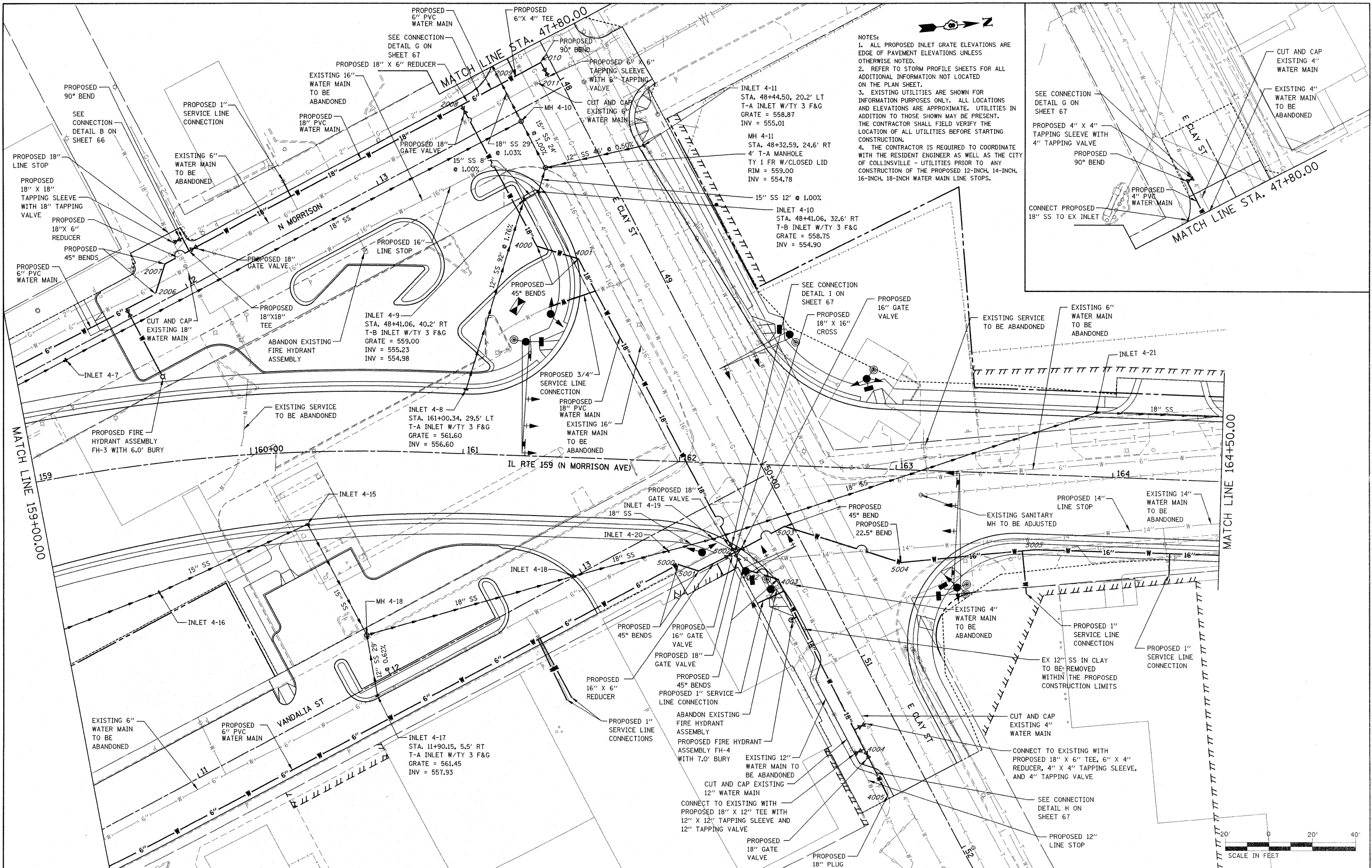


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	PLOT DATE = 6/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PROFILE IL ROUTE 159	
SCALE: N/A	SHEET NO. 5 OF 16 SHEETS
STA. N/A	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	54
CONTRACT NO. 76D54			[ILLINOIS] FED. AID PROJECT	



NOTES:
 1. ALL PROPOSED INLET GRATE ELEVATIONS ARE EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
 2. REFER TO STORM PROFILE SHEETS FOR ALL ADDITIONAL INFORMATION NOT LOCATED ON THE PLAN SHEET.
 3. EXISTING UTILITIES ARE SHOWN FOR INFORMATION PURPOSES ONLY. ALL LOCATIONS AND ELEVATIONS ARE APPROXIMATE. UTILITIES IN ADDITION TO THOSE SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES BEFORE STARTING CONSTRUCTION.
 4. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH THE RESIDENT ENGINEER AS WELL AS THE CITY OF COLLINSVILLE - UTILITIES PRIOR TO ANY CONSTRUCTION OF THE PROPOSED 12-INCH, 14-INCH, 16-INCH, 18-INCH WATER MAIN LINE STOPS.

FILE NAME =
 USER NAME = default
 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 8/4/2018

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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 REVISED -

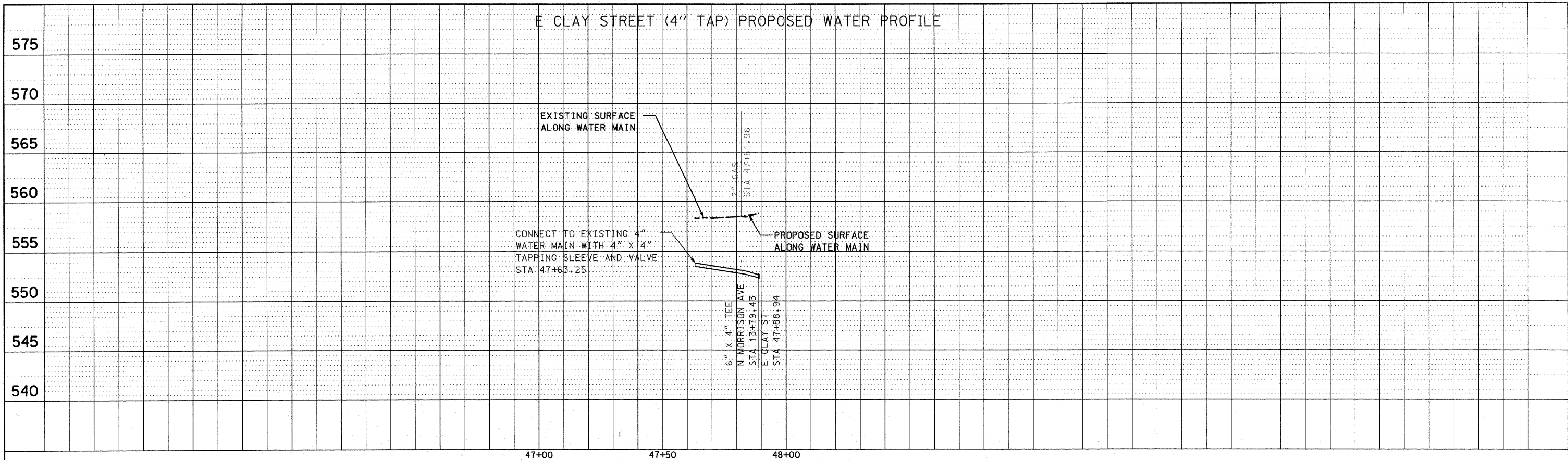
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
 IL ROUTE 159
 SCALE: 1" = 20'
 SHEET NO. 6 OF 16 SHEETS
 STA. 159+00.00 TO STA. 164+50.00

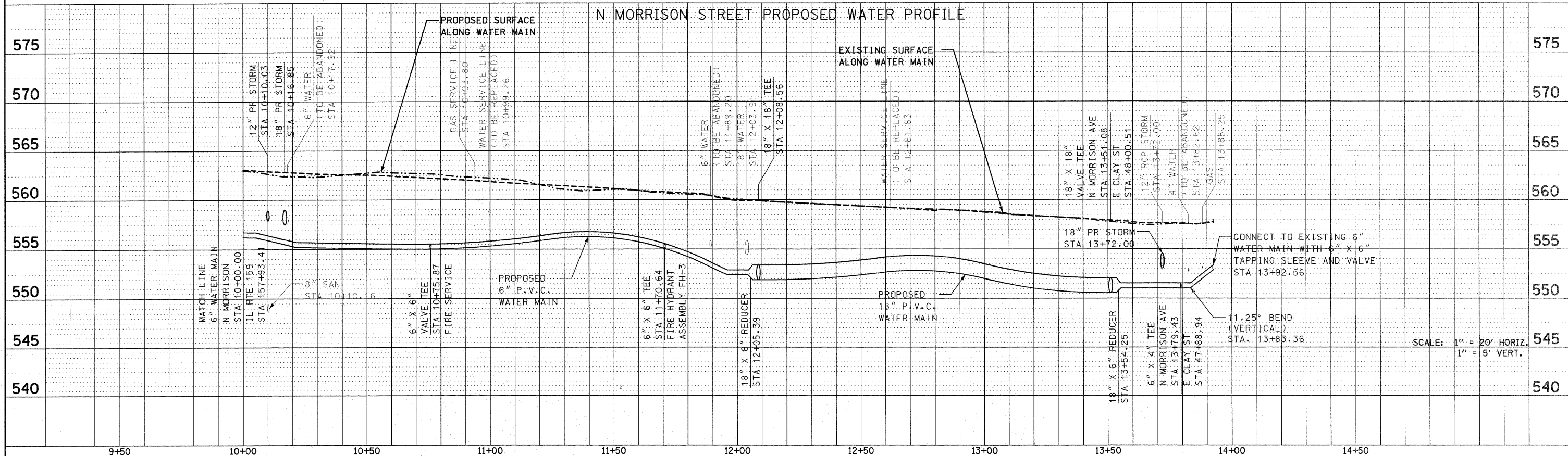
F.A.P. RTE. 600
 SECTION 60-(30,31,128)-N-1
 COUNTY MADISON
 TOTAL SHEETS 152
 SHEET NO. 55
 CONTRACT NO. 76D54
 ILLINOIS FED. AID PROJECT

SCALE IN FEET
 0 20' 40'

PLAN	REVISED	BY	DATE
NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		

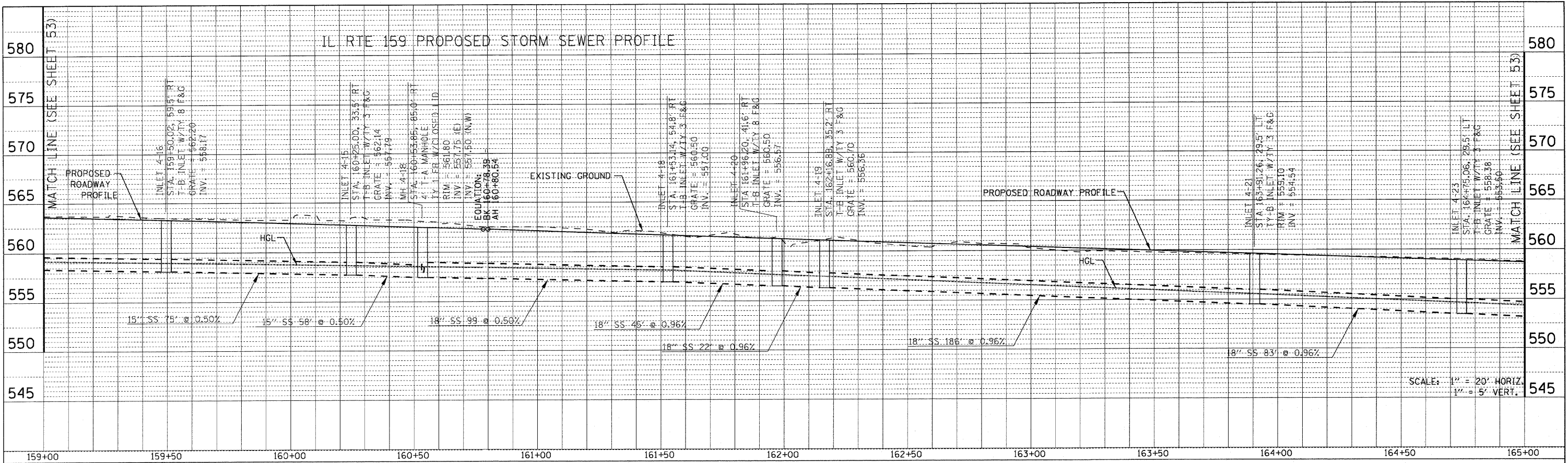


PROFILE	SURVEYED	BY	DATE
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NO.	NO.		
NO.	NO.		
NO.	NO.		
NO.	NO.		

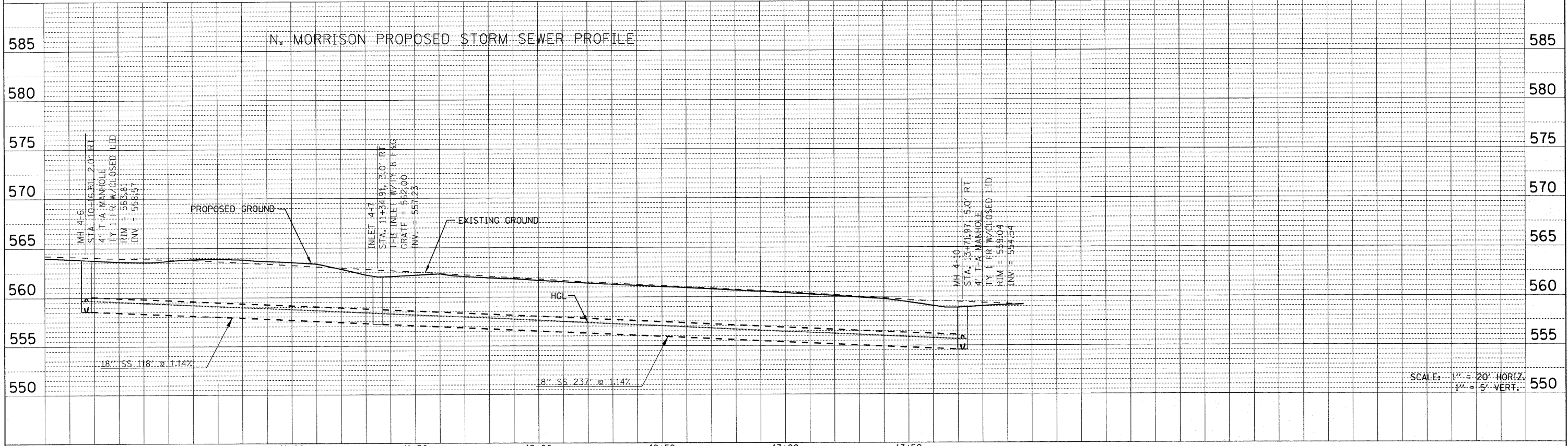


FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PROFILE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\Projects\513501\VCADD\IGN\0876D54-shr-d\dm.dgn		DRAWN -	REVISED -		IL ROUTE 159		600	60-(30,31,128)-N-1	MADISON	152	56
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		SCALE: N/A		SHEET NO. 7 OF 16 SHEETS		CONTRACT NO. 76D54		
PLOT DATE = 8/4/2010		DATE -	REVISED -		STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	BY		
	NO.		
	FILE NAME		



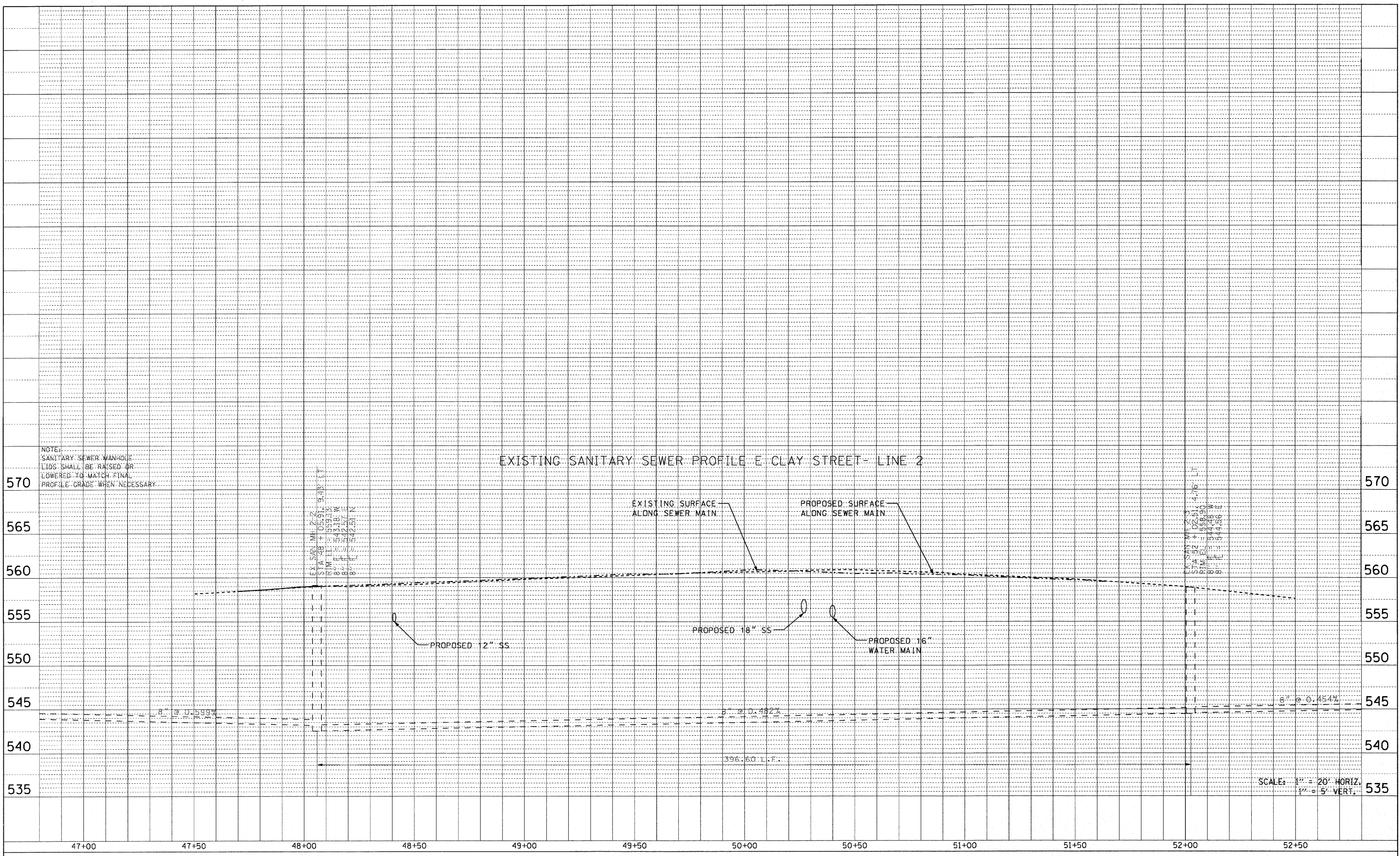
PROFILE	SURVEYED	BY	DATE
	GRADES		
	CHECKED		
	BY		
	NO.		
	NOTATION		
	CPRO		



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PROFILE IL ROUTE 159		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\Projects\51352\1\CADD\DWG\0876254-ah-drain.dgn		DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 9 OF 16 SHEETS	STA. N/A TO STA. N/A	600	60-(30,31,128)-N-1	MADISON	152	58
PLT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76D54							
PLT DATE = 6/16/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED		
NO.	PLAN CHECKED		
	BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	BY		
	DATE		



NOTE:
SANITARY SEWER MANHOLE
LIDS SHALL BE RAISED OR
LOWERED TO MATCH FINAL
PROFILE GRADE WHEN NECESSARY.

EX SAN. MH. 12-2
STA. 48+05.91, 9.43' LT
R.M. LL = 559.15
8' L.F. 543.18 W
8' L.F. 543.67 E
8' L.F. 543.61 N

EX SAN. MH. 12-6
STA. 52+02.16, 1.76' T
R.M. LL = 559.15
8' L.F. 543.18 W
8' L.F. 543.67 E
8' L.F. 543.61 N

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

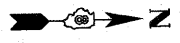
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PLOT SCALE = 20.0000 // IN.		CHECKED -	REVISED -
PLOT DATE = 6/16/2010		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PROFILE
IL ROUTE 159

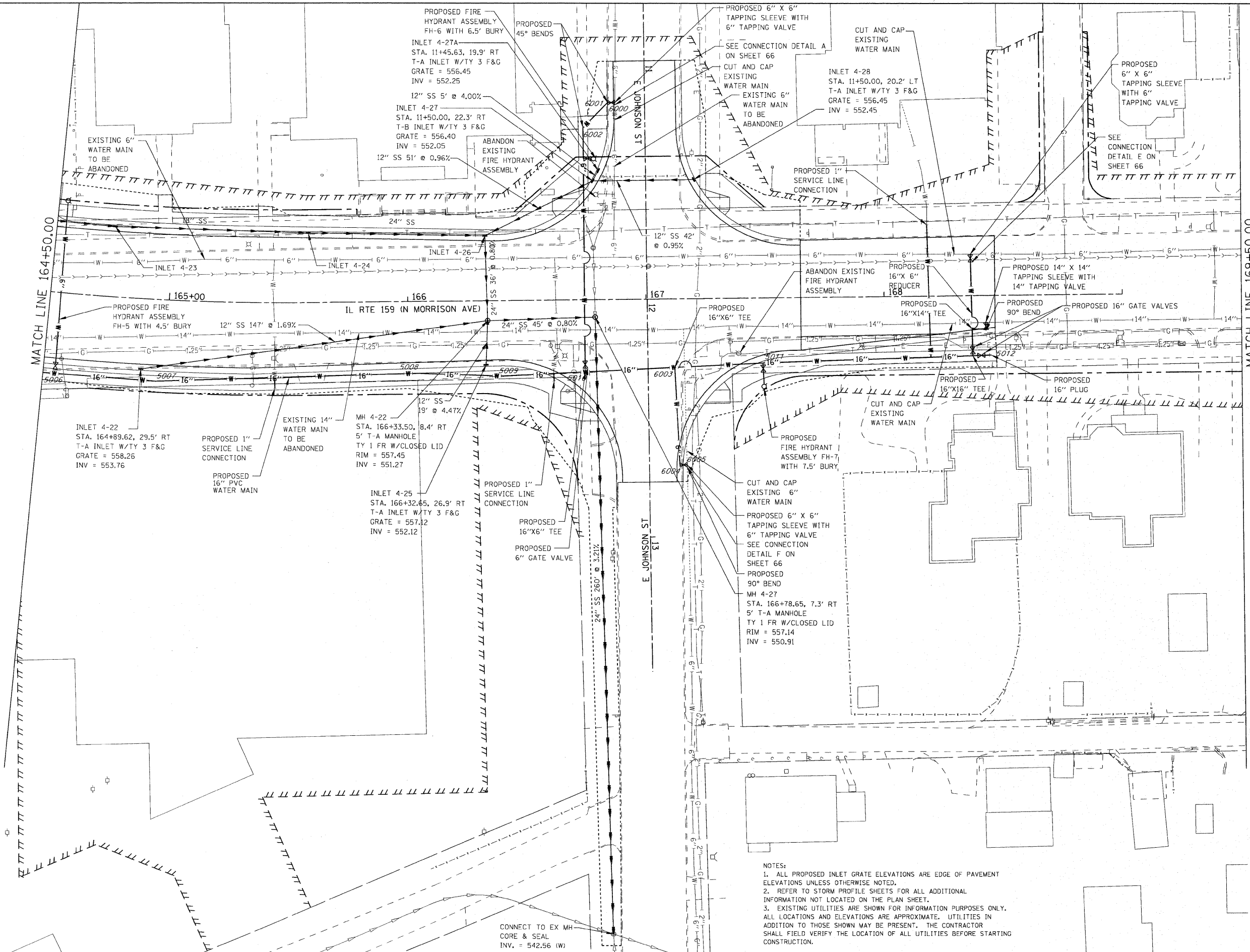
SCALE: N/A SHEET NO. 10 OF 16 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	59
CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				



MATCH LINE 164+50.00

MATCH LINE 169+50.00



NOTES:
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FILE NAME = P:\Projects\513501\CADD\DN\0876054-shd\drain.dgn	USER NAME = default	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

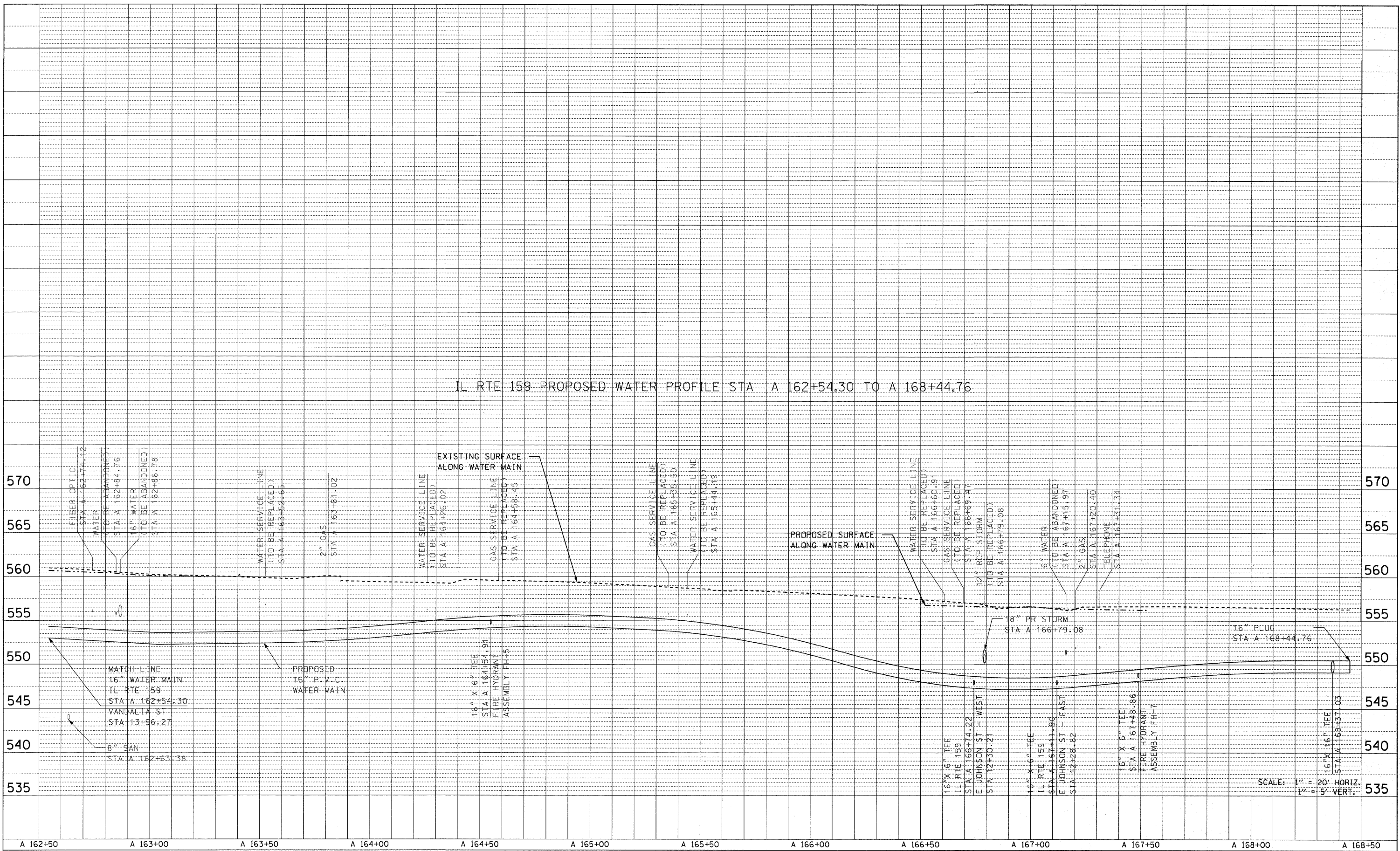
**DRAINAGE AND UTILITY PLAN
IL ROUTE 159**

SCALE: 1" = 20' SHEET NO. 11 OF 16 SHEETS STA. 164+50.00 TO STA. 169+50.00

F.A.P. RTE. 600	SECTION 60-(30,31,128)-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 60
				CONTRACT NO. 76054
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	ALIGNMENT		
	PT. OF WAY		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

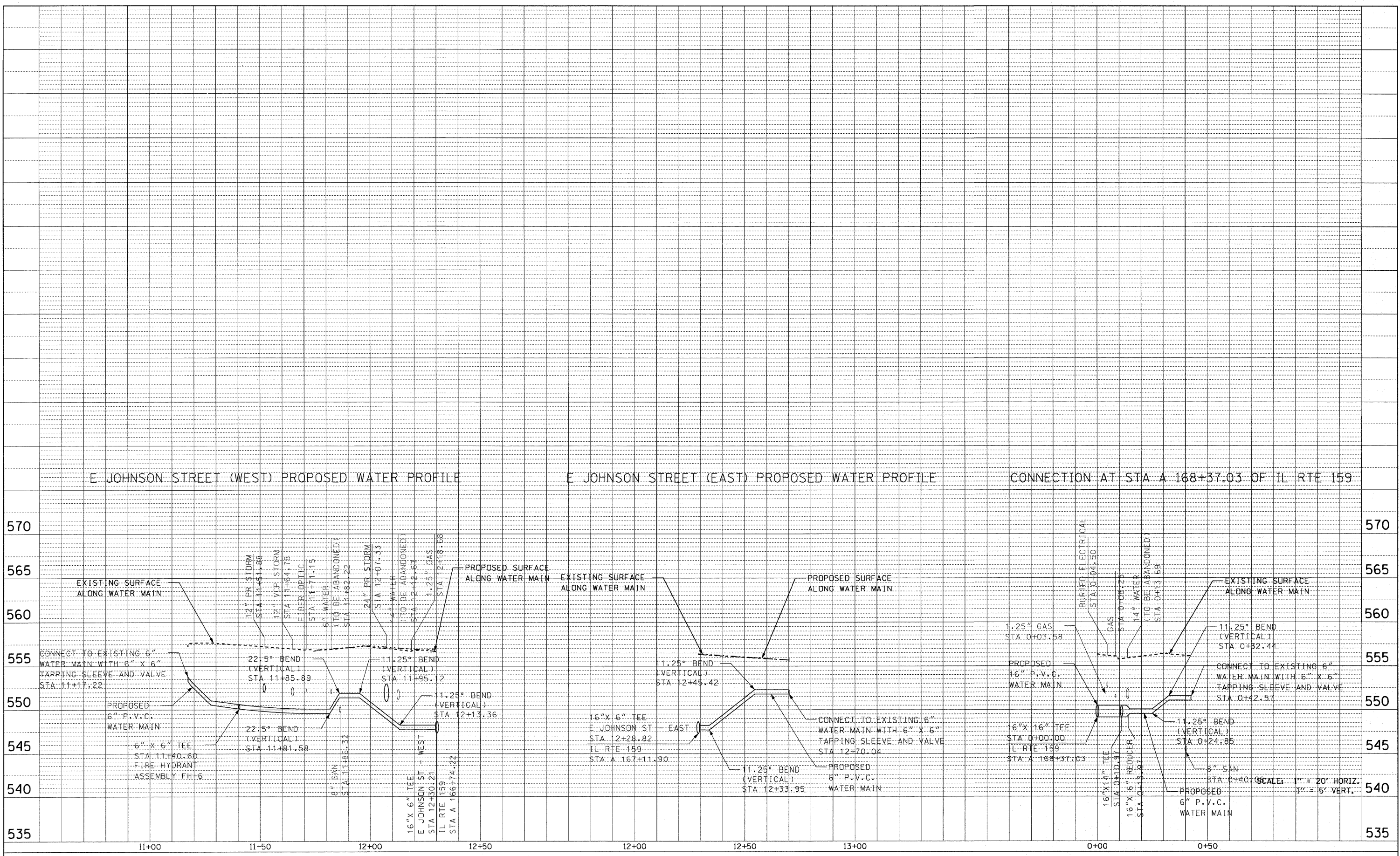
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PROFILE			
IL ROUTE 159			
SCALE: N/A	SHEET NO. 12 OF 16 SHEETS	STA. N/A	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,28)-N-1	MADISON	152	61
CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	ALIGNED	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATIONS CHKD	



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / IN.	CHECKED -	CHECKED -	REVISED -
PLOT DATE = 6/16/2010	DATE -	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

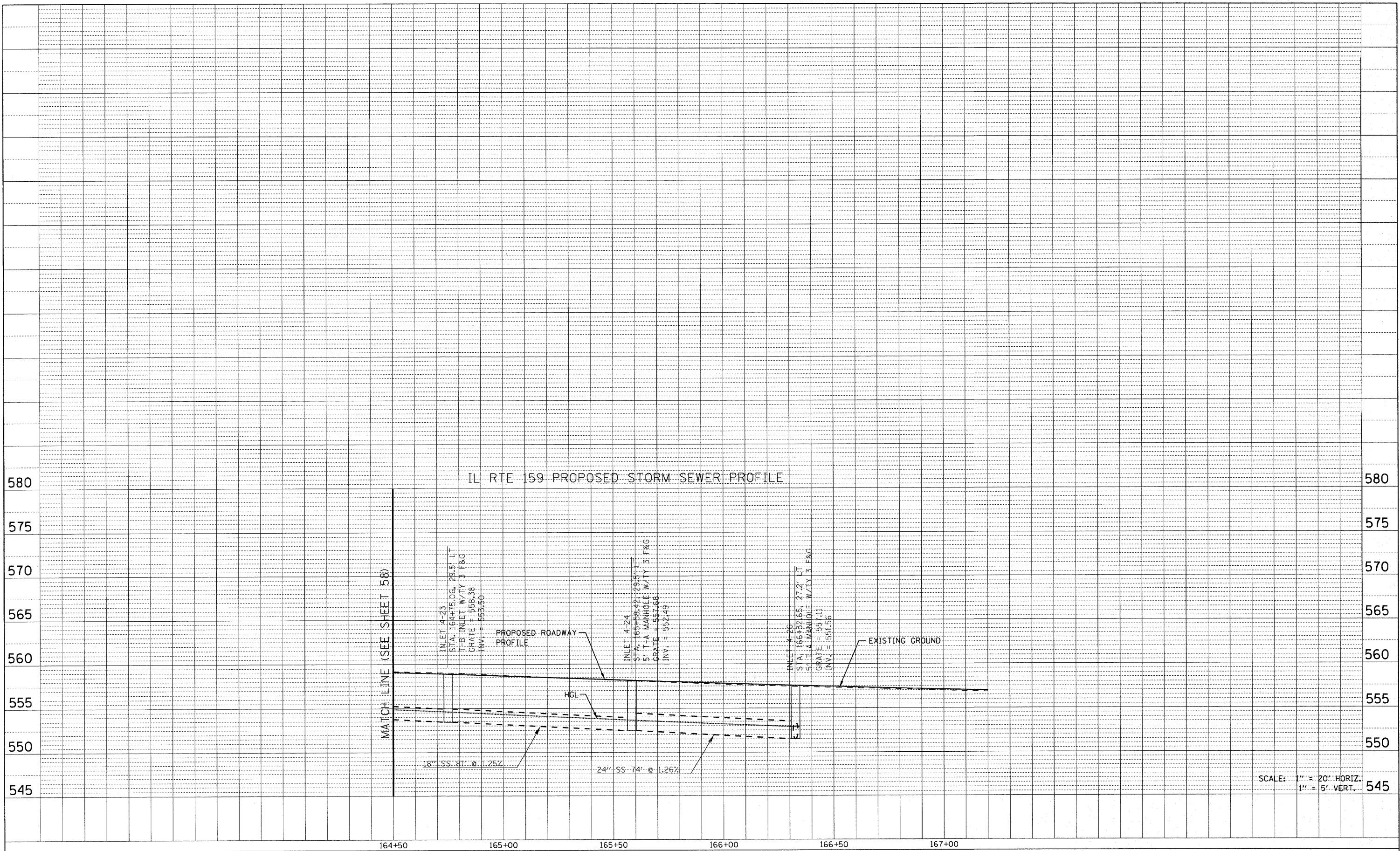
DRAINAGE AND UTILITY PROFILE IL ROUTE 159			
SCALE: N/A	SHEET NO. 13 OF 16 SHEETS	STA. N/A	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	62
CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

PLAN	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED		
NO.	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE NOTATIONS CHK'D		



FILE NAME =
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USER NAME = default
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

DESIGNED -
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 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

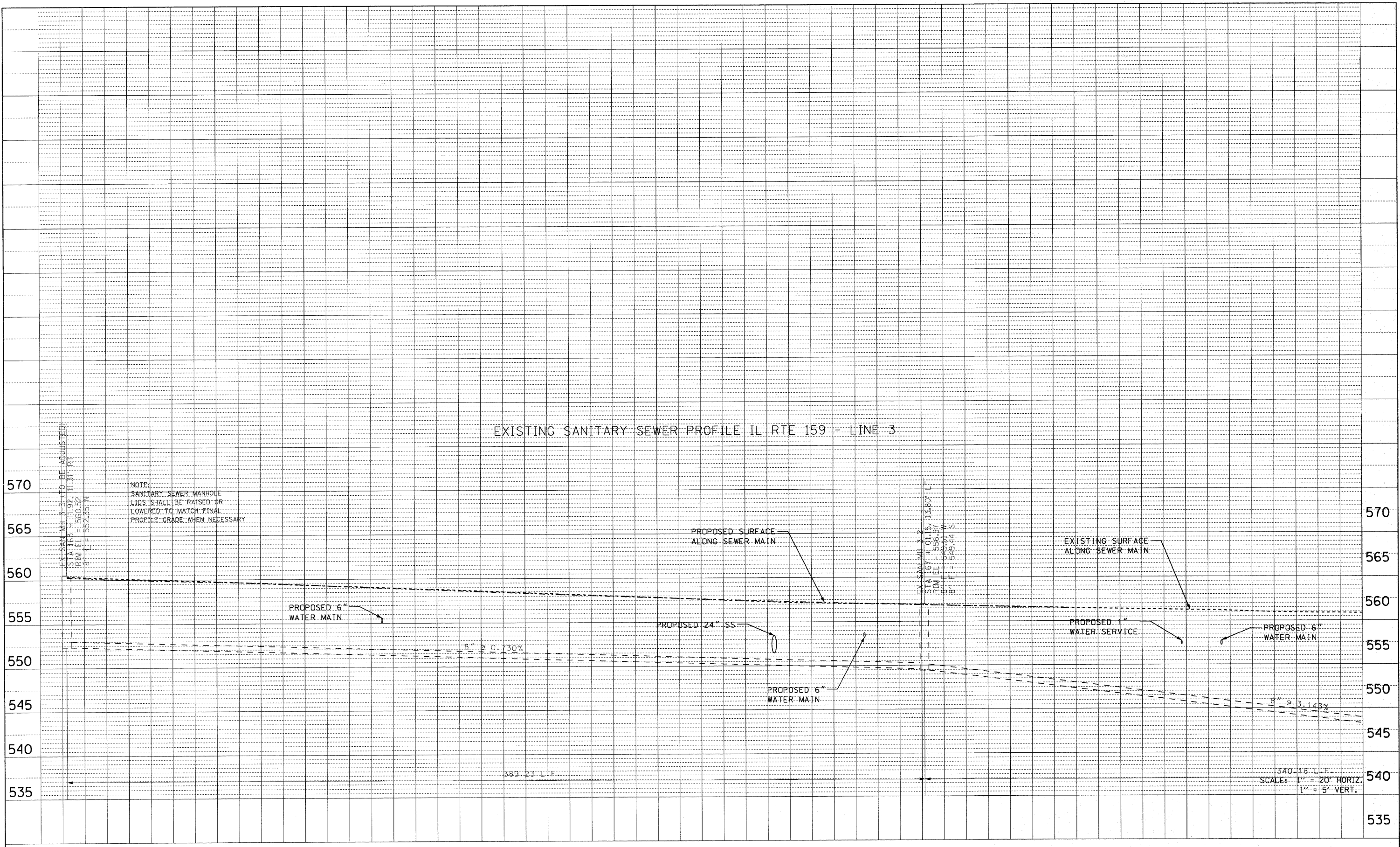
**DRAINAGE AND UTILITY PROFILE
 IL ROUTE 159**

SCALE: N/A SHEET NO. 14 OF 16 SHEETS STA. N/A TO STA. N/A

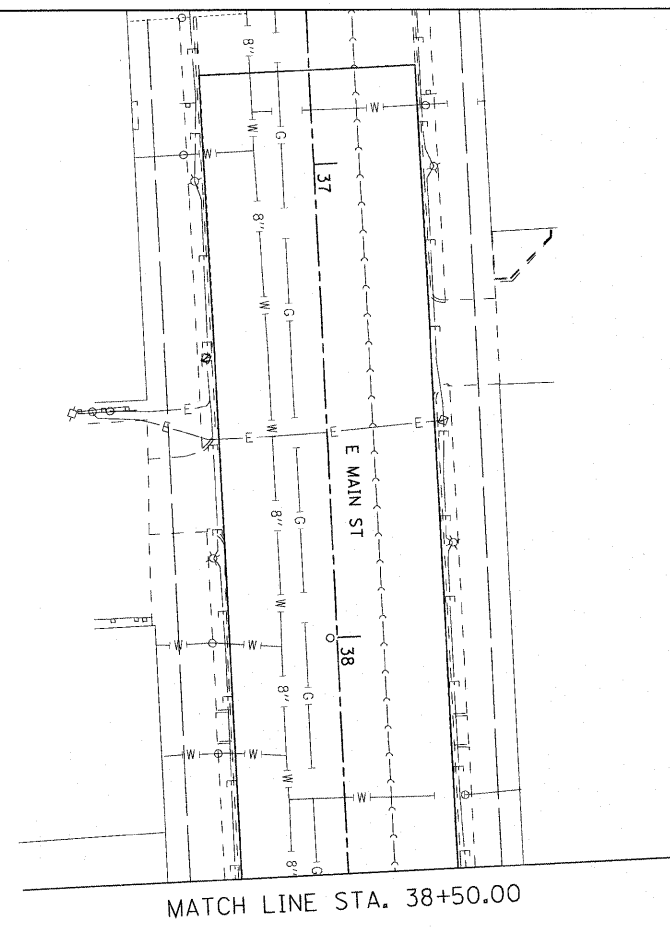
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	63
CONTRACT NO. 76054			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	ALIGNMENT CHECKED		
	RTI OF WAY CHECKED		
	PROJ FILE NAME		

PROF ILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CHKD		

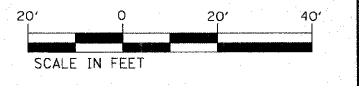
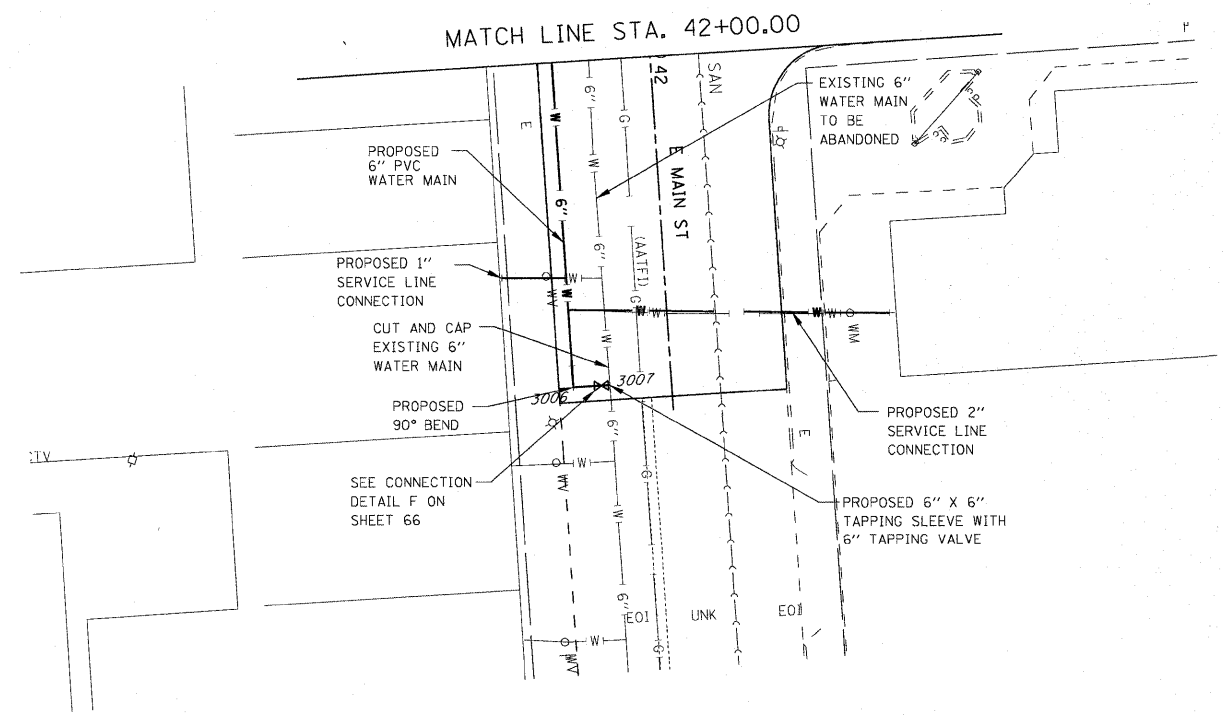


163+00	163+50	164+00	164+50	165+00	165+50	166+00	166+50	167+00	167+50	168+00	168+50	169+00							
FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DRAINAGE AND UTILITY PROFILE IL ROUTE 159			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
P:\Projects\51350\1\CAD\DWG\0876054-shd-d	airndgn	DRAWN -	REVISED -								600	60-(30,31,128)-N-1	MADISON	152	64				
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -								SCALE: N/A			SHEET NO. 15 OF 16 SHEETS		STA. N/A TO STA. N/A		CONTRACT NO. 76054	
	PLOT DATE = 6/16/2010	DATE -	REVISED -								ILLINOIS FED. AID PROJECT								



NOTES:
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MATCH LINE STA. 38+50.00



NOTES:
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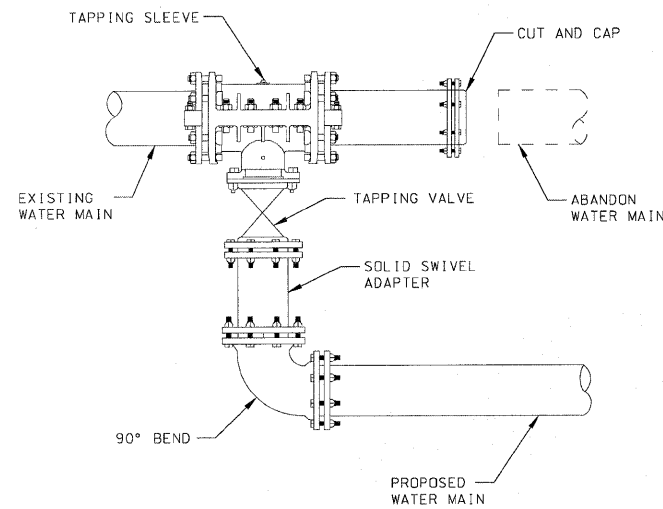
MATCH LINE STA. 42+00.00

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/16/2012	DATE -	REVISED -

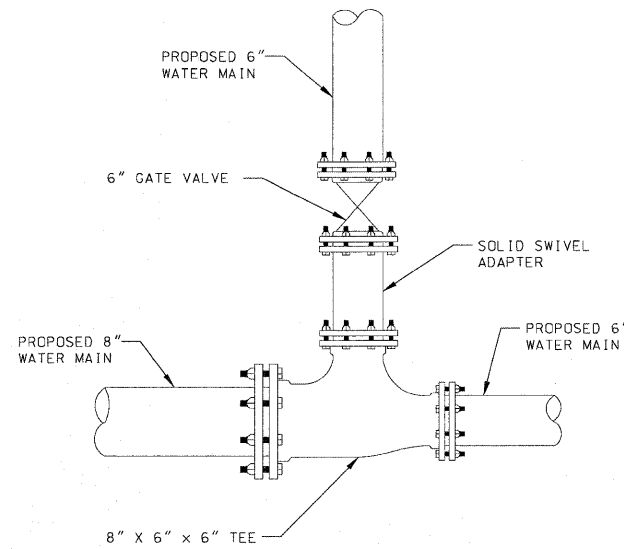
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN IL ROUTE 159			
SCALE: 1" = 20'	SHEET NO. 16 OF 16 SHEETS	STA. N/A	TO STA. N/A

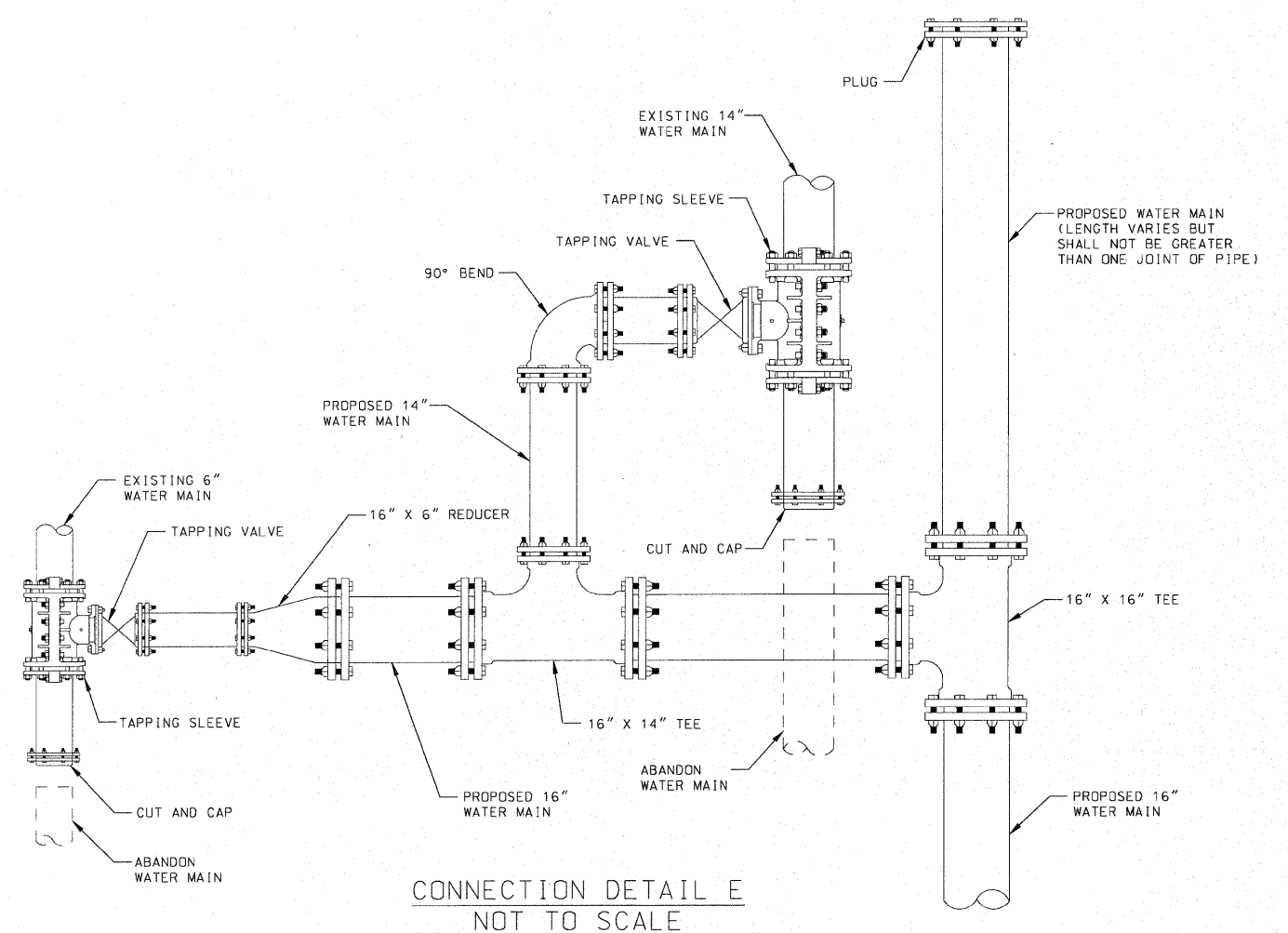
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	65
CONTRACT NO. 76D54 [ILLINOIS] FED. AID PROJECT				



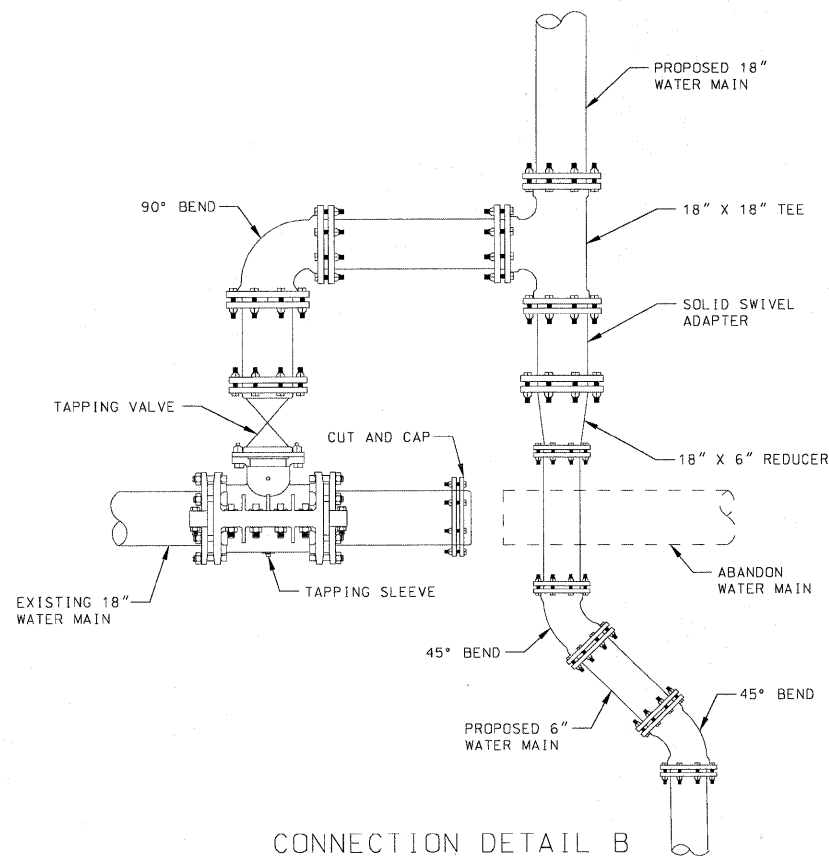
CONNECTION DETAIL F
NOT TO SCALE



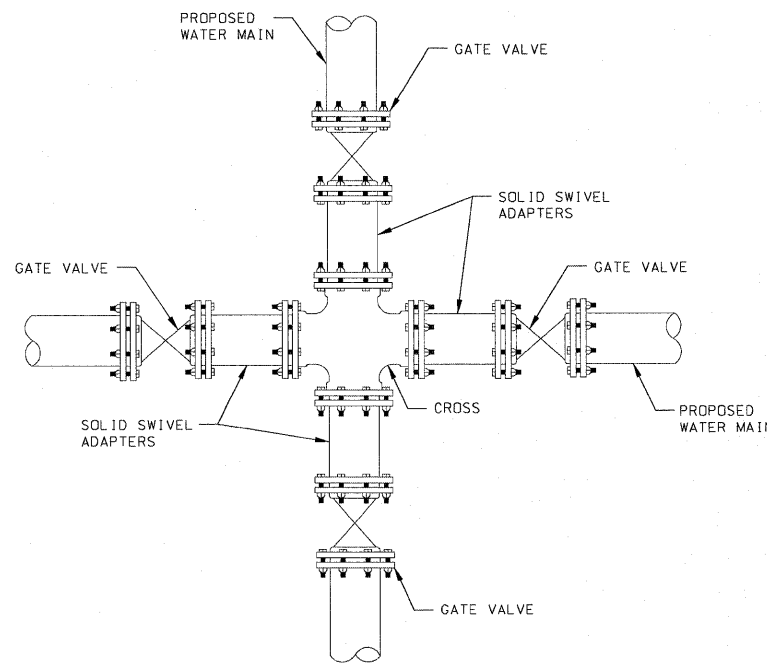
CONNECTION DETAIL D
NOT TO SCALE



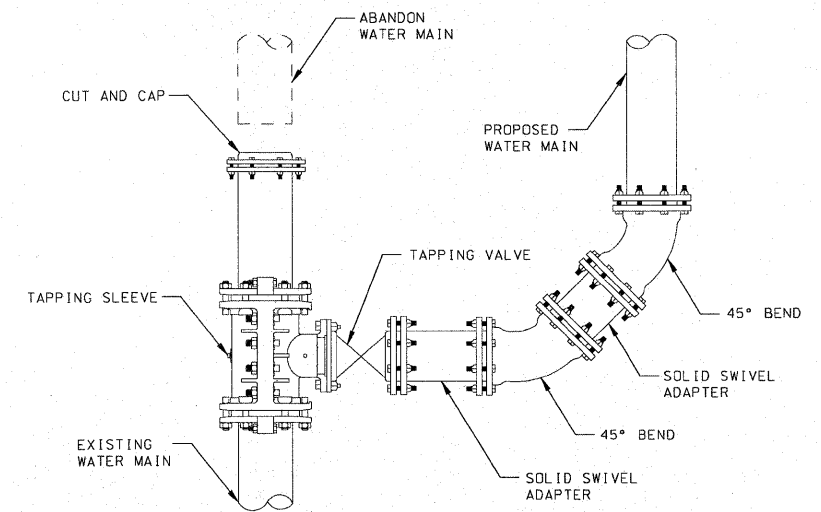
CONNECTION DETAIL E
NOT TO SCALE



CONNECTION DETAIL B
NOT TO SCALE



CONNECTION DETAIL C
NOT TO SCALE



CONNECTION DETAIL A
NOT TO SCALE

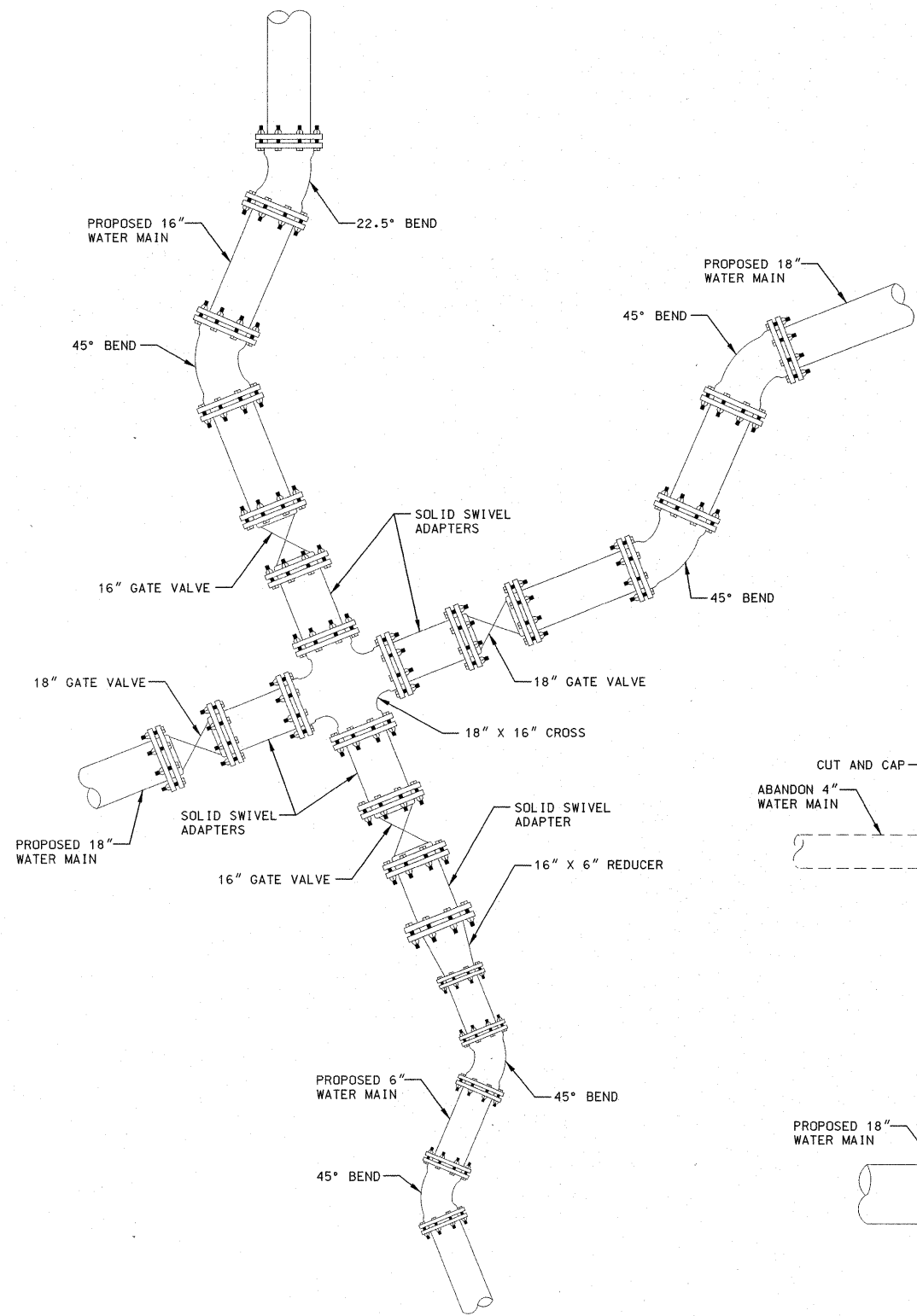
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/16/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN CONNECTION DETAILS

SCALE: N/A SHEET NO. 1 OF 5 SHEETS STA N/A TO STA N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	66
CONTRACT NO. 76054				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



CONNECTION DETAIL I
NOT TO SCALE

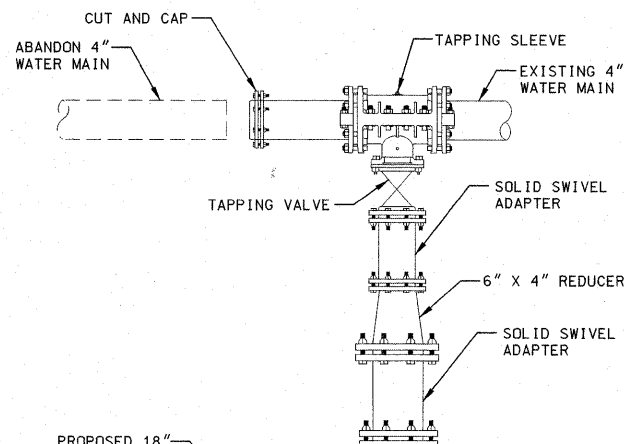
NOTES:

HYDRANTS ARE TO BE SET ON 6" LATERALS, ISOLATED BY A GATE VALVE WITH BOX, AND RESTRAINED WITH SET SCREW RETAINER GLANDS, AND CONCRETE THRUST BLOCKS.

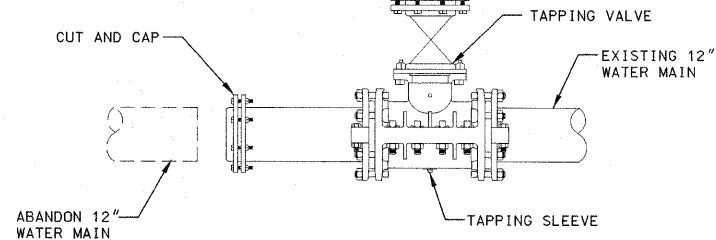
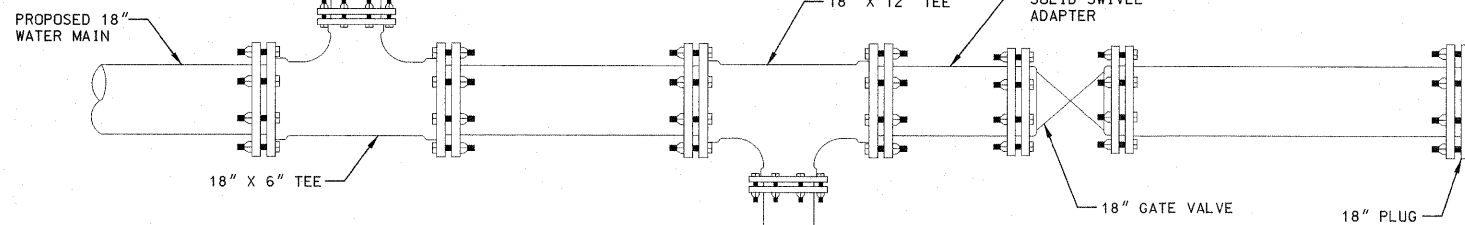
FIRE HYDRANT ASSEMBLY TO INCLUDE 6" GATE VALVE, VALVE BOX, 6" LEAD PIPE, AND 6" FIRE HYDRANT.

LINE ENDS ARE TO BE CAPPED WITH MECHANICAL JOINT CAP AND A SET SCREW RETAINER GLAND, NO GREATER THAN 5 FEET PAST THE GATE VALVE OR TAPPING SLEEVE.

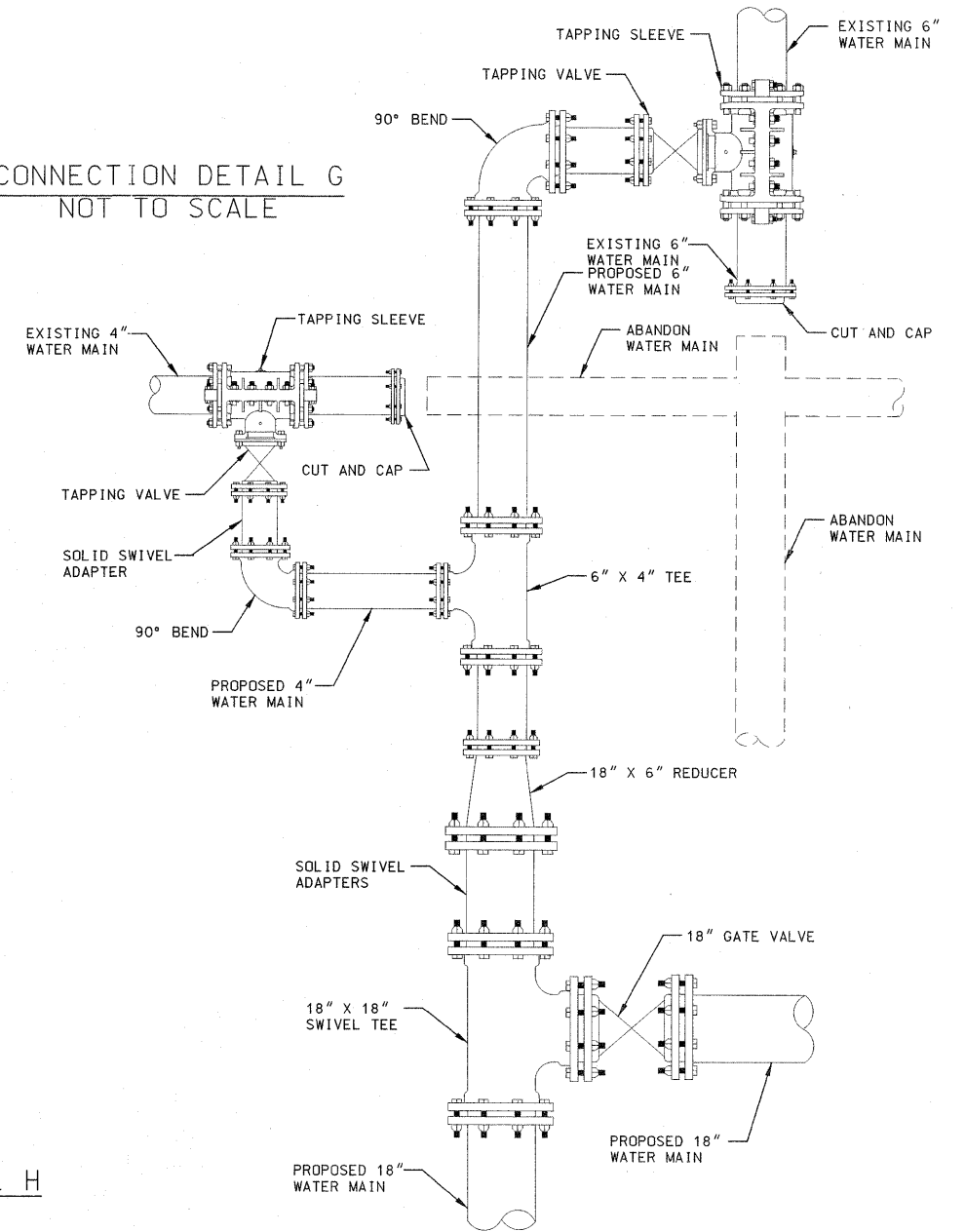
ALL VALVES AND FITTINGS SUCH AS TEES, CROSSES, REDUCERS, ELBOWS, CAPS, PLUGS, ETC., SHALL BE DUCTILE IRON WITH MECHANICAL JOINTS AND INCLUDE TRANSITION GASKETS, AND THEY SHALL BE RESTRAINED WITH SET SCREW RETAINER GLANDS AND CONCRETE THRUST BLOCKS.



CONNECTION DETAIL H
NOT TO SCALE



CONNECTION DETAIL G
NOT TO SCALE



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

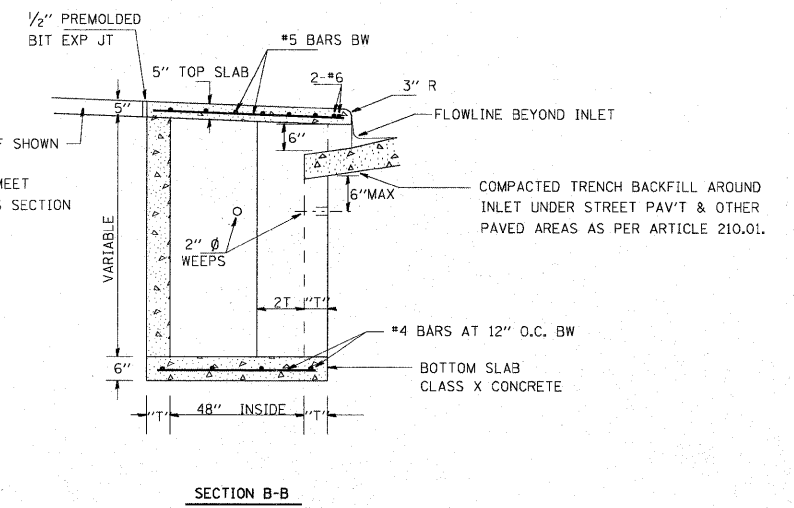
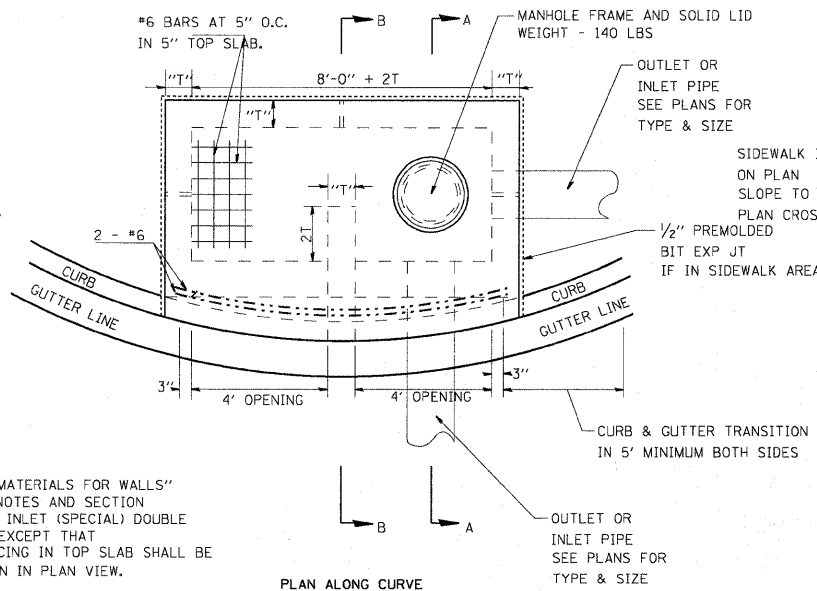
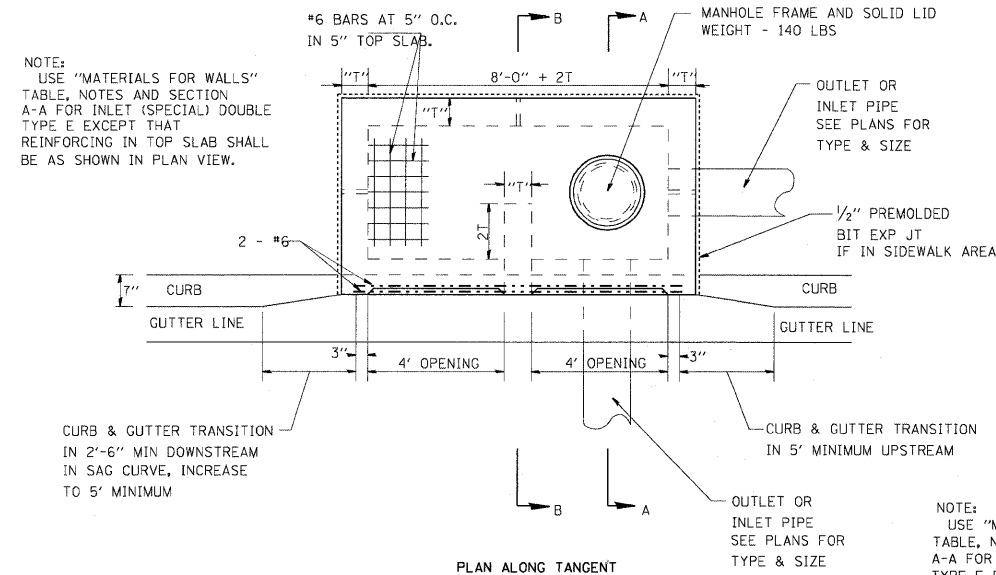
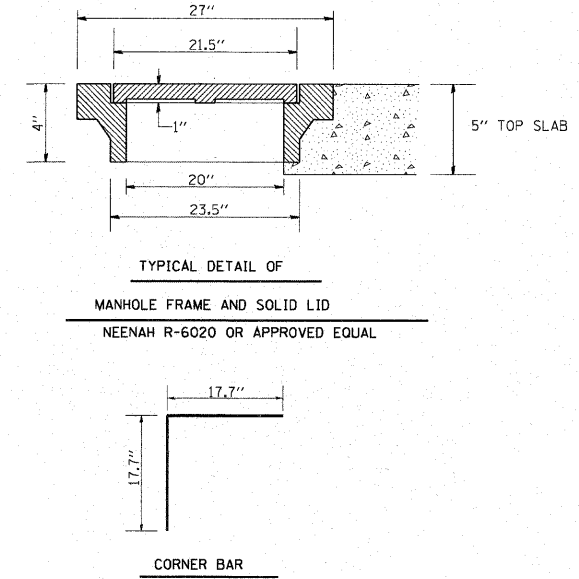
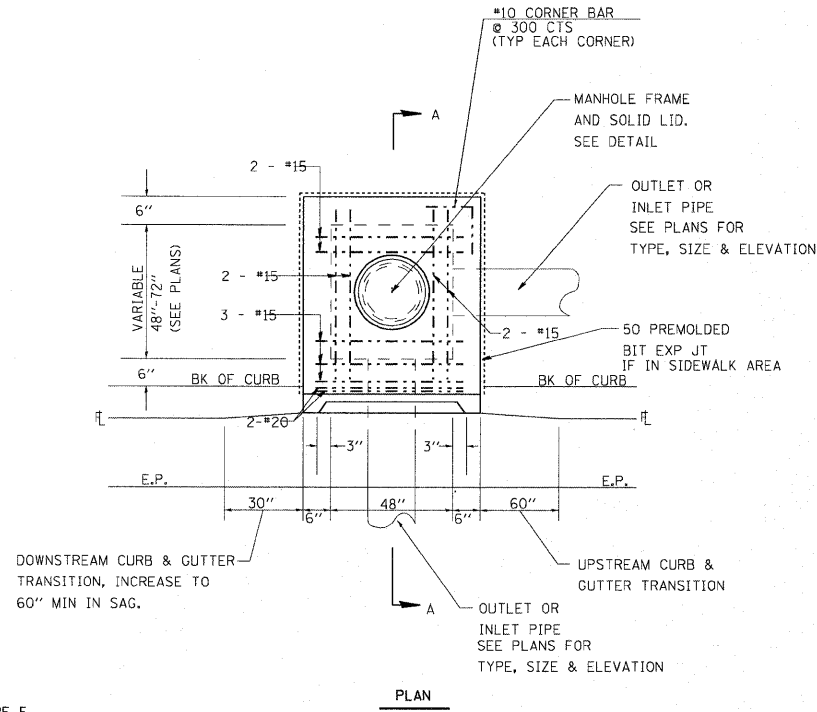
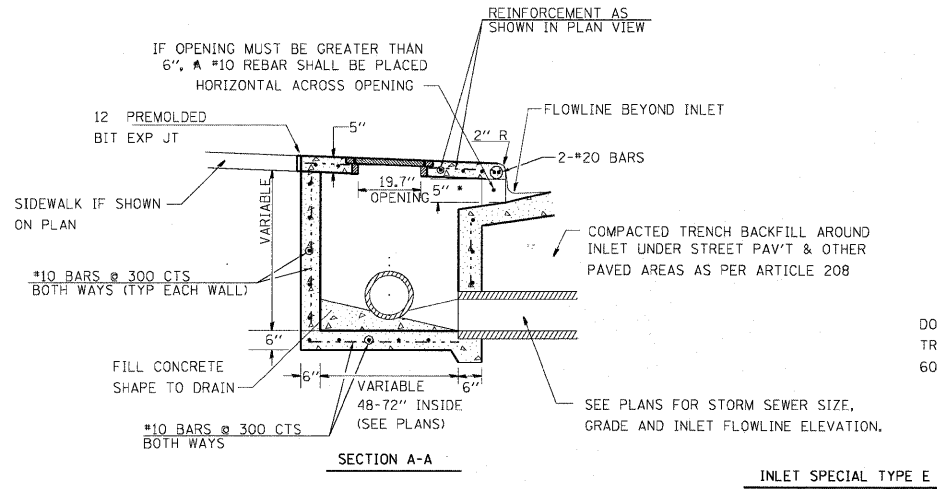
WATER MAIN CONNECTION DETAILS

SCALE: N/A SHEET NO. 2 OF 5 SHEETS STA N/A TO STA N/A

F.A.P. RTE. 600	SECTION 60-(30,31,128)-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 67
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76D54				

NOTES:

1. THE CONTRACT UNIT PRICE OF EACH FOR INLET, (SPECIAL) TYPE E SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO CONSTRUCT THE INLET IN ACCORDANCE WITH ARTICLE 602 OF THE STANDARD SPECIFICATIONS AND AND AS SHOWN HEREIN.
2. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
3. THE FRONT EDGE OF THE TOP SLAB SHALL BE EITHER STRAIGHT OR RADIUSED AS NEEDED TO CONFORM WITH THE SHAPE OF THE ADJACENT CURB AND GUTTER.

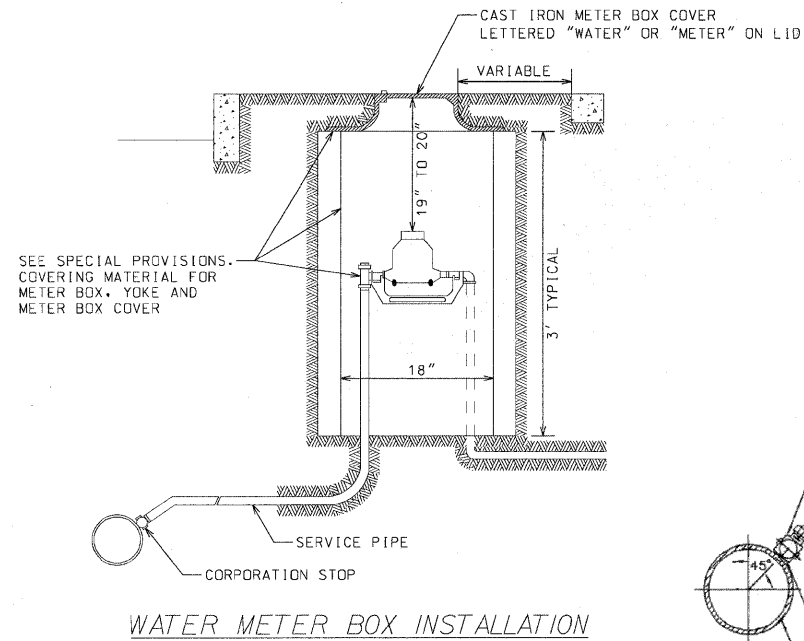


4. BRICKS, CONCRETE BLOCKS AND REINFORCED CONCRETE BLOCKS TO BE LAID IN FULL MORTAR BEDS WITH FLUSH JOINTS.
5. WHEN CONSTRUCTED OF MONOLITHIC CONCRETE, USE #4 REINFORCING BARS SPACED AT 12" CENTERS BOTH WAYS IN FLOOR SLAB AND WALLS.
6. FOR SECTION A-A, SEE ABOVE

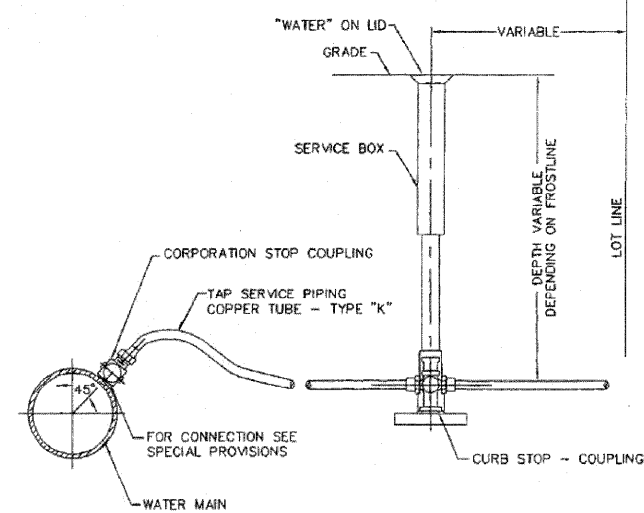
INLET SPECIAL DOUBLE TYPE E

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPECIAL INLET TYPE E DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pr\projects\613501\cadd\vgm\0876054-shd\drain\details.dgn	DRAWN -	REVISED -	600					60-(30,31,128)-N-1	MADISON	152	68	
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76D54									
PLOT DATE = 6/16/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE: N/A	SHEET NO. 3 OF 5 SHEETS	STA N/A	TO STA N/A					

DETAIL SHEET
NOT TO SCALE

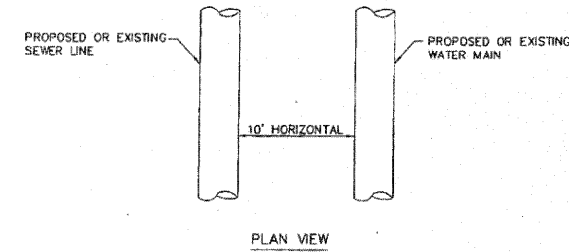


WATER METER BOX INSTALLATION

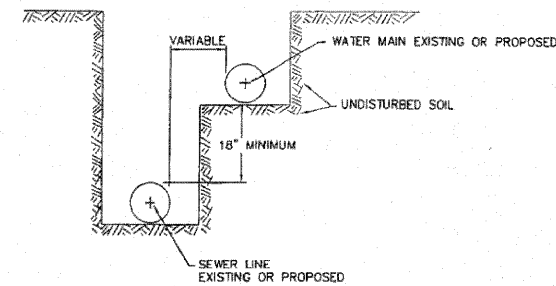


TYPICAL TAP SERVICE PIPING (COPPER)

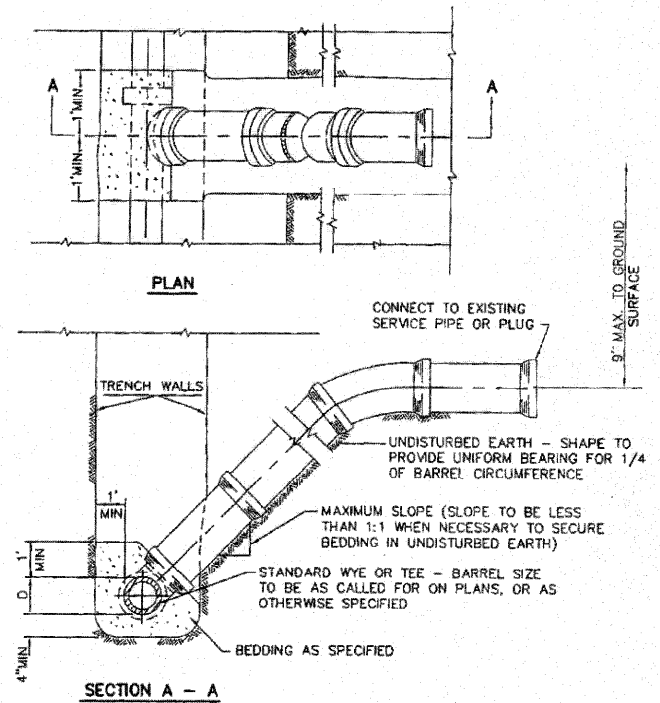
WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND STORM SEWER SEPARATION (HORIZONTAL)



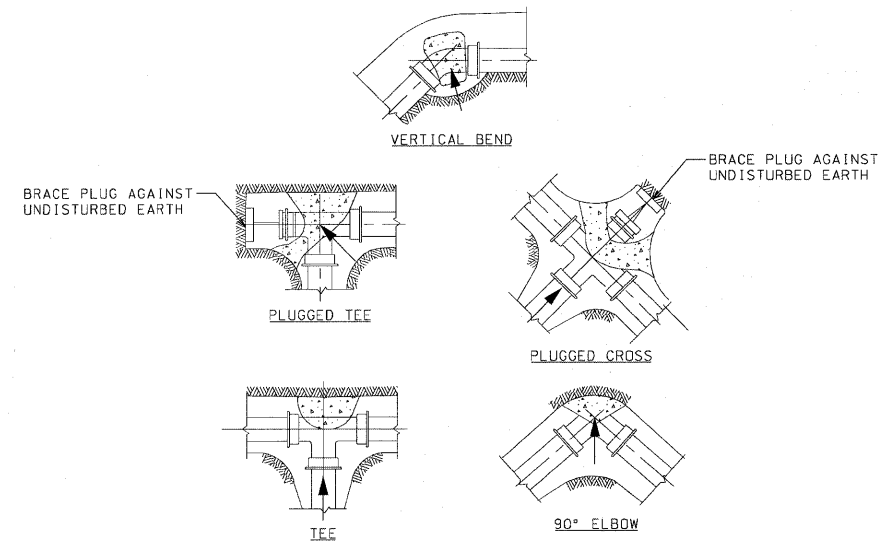
NOTE: WHERE SERVICE LINE IS BELOW FORCE MAIN, CONNECTION IS MADE ABOVE NORMAL FLOW OF MAIN SEWER.

NOTE: RISERS TO BE CONSTRUCTED IN LIEU OF WYES WHERE SEWER DEPTH EXCEEDS 12'-0". FOR PIPE MATERIAL AND CONCRETE SEE SPECIFICATIONS.

TYPICAL RISER FOR SERVICE LATERAL

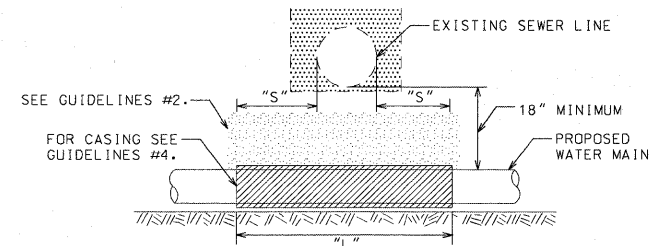
PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE:
ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH. ARROWS INDICATE DIRECTION OF THRUST. ALL BLOCKS TO BE 3000 P.S.I. CONCRETE. ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS

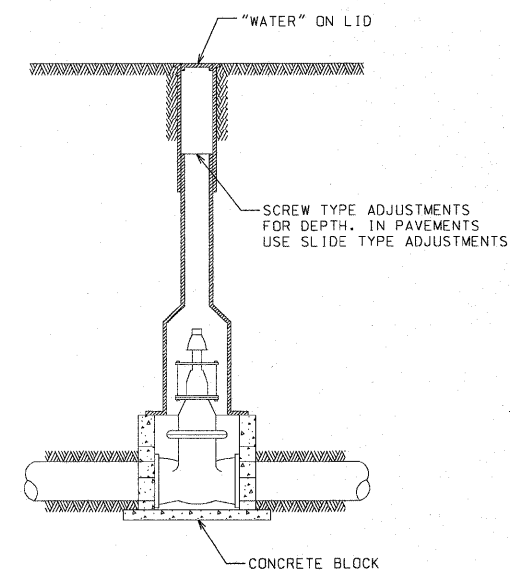


NOTE:
"S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AND MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

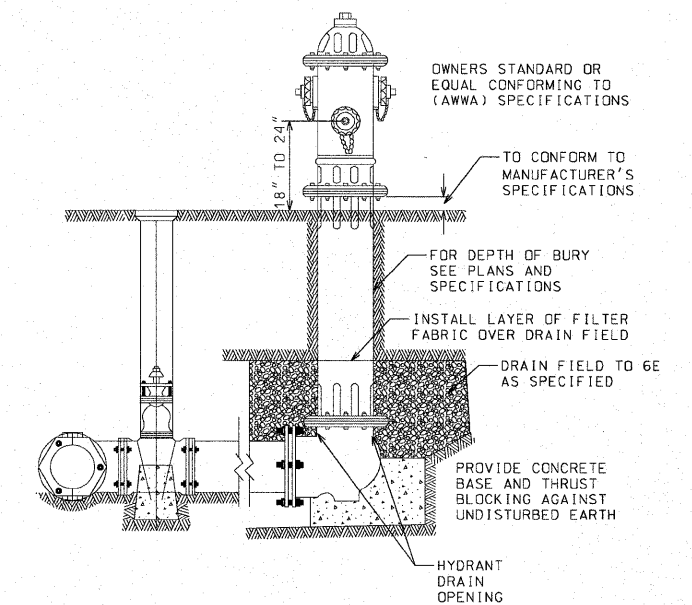
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

WATER AND STORM SEWER SEPARATION (VERTICAL)



TYPICAL VALVE BOX INSTALLATION



NOTES:

1. CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK NOR OBSTRUCT HYDRANT DRAIN AS SHOWN IN AWWA MANUAL M 17

FIRE HYDRANT ASSEMBLY

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	PLOT DATE = 6/16/2010	DATE -	REVISED -

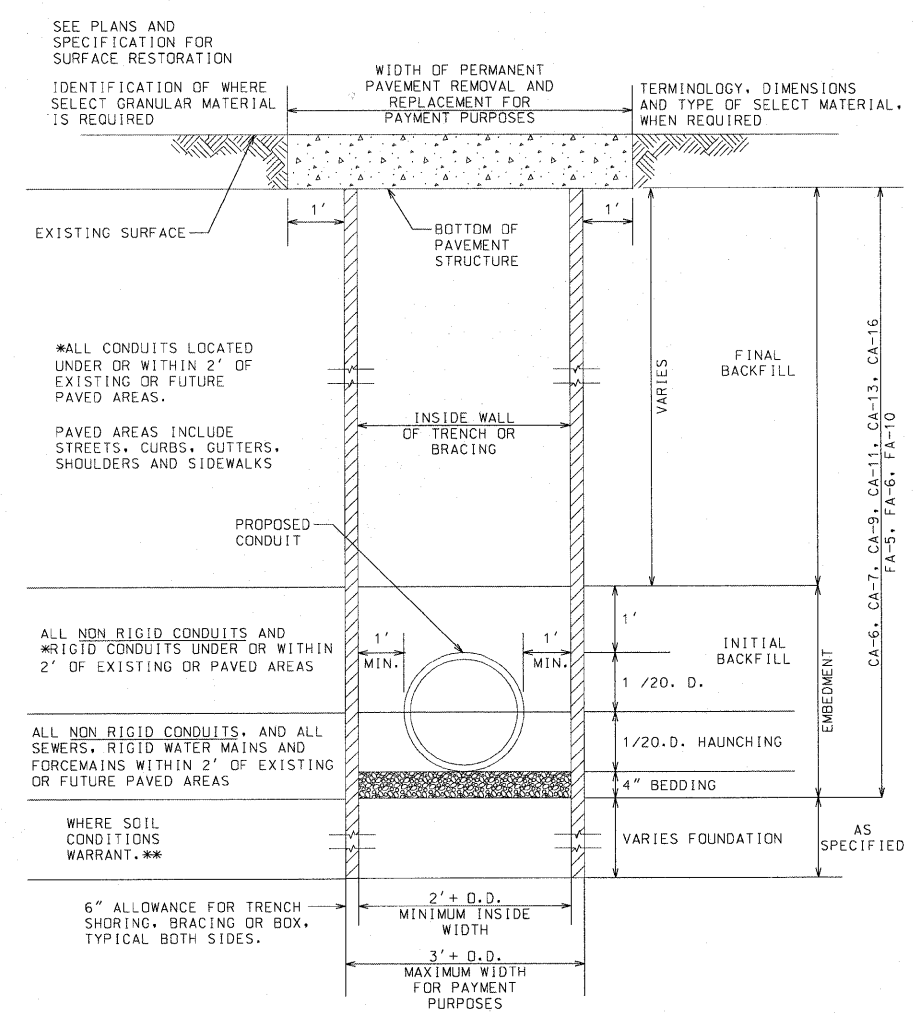
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION DETAILS

SCALE: N/A SHEET NO. 4 OF 5 SHEETS STA N/A TO STA N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76D54				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

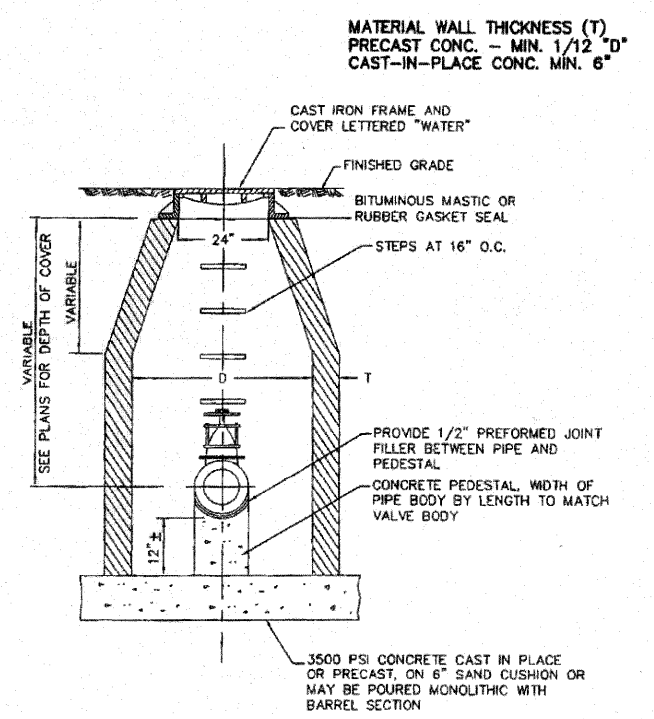
DETAIL SHEET
NOT TO SCALE



*INDICATES ELIGIBLE FOR PAYMENT AS SELECT GRANULAR BACKFILL OTHERWISE INCIDENTAL TO THE PIPE.
 **INDICATES ELIGIBLE FOR PAYMENT AS SELECT FOUNDATION MATERIAL.
 NON RIGID CONDUITS ARE DEFINED AS FLEXIBLE THERMOPLASTIC PIPE AND/OR CORRUGATED METAL PIPE.

NOTE:
 TRENCH BOX SHALL NOT EXTEND BELOW TOP OF PIPE, HOWEVER IT SHALL NOT EXCEED 2 FEET FROM THE BOTTOM OF THE TRENCH.

TRENCH DETAIL



NOTE: VALVE VAULT DIA. SHALL BE 48" FOR 8" AND SMALLER VALVES AND 60" FOR 10" AND LARGER VALVES.
 D = DIAMETER OF MANHOLE

TYPICAL VALVE VAULT DETAIL

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UTILITY RELOCATION DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\projects\513581\cadd\dgn\0876054-shd	draim-details.dgn	DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 5 OF 5 SHEETS	STA N/A	TO STA N/A	600	60-(30,31,128)-N-1	MADISON	152	70
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -						CONTRACT NO. 76054				
	PLOT DATE = 6/16/2012	DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MARY C. LAMIE
PRINT NAME
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER
TITLE
IL DEPT. OF TRANSPORTATION
AGENCY

Mary C. Lamie
SIGNATURE
6/24/10
DATE

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THE PROJECT IS LOCATED ALONG ILLINOIS ROUTE 159 IN MADISON COUNTY FROM JUST NORTH OF CHURCH STREET TO JOHNSON STREET IN COLLINSVILLE, ILLINOIS.

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THIS PROJECT WIDENS ILLINOIS ROUTE 159 ON BOTH SIDES TO PROVIDE ADDITIONAL LANES AND TO ADD CURB, CUTTER, AND STORM SEWER TO IMPROVE DRAINAGE.

THE WORK CONSISTS OF REALIGNING AND RECONSTRUCTING THE PAVEMENT TO PROVIDE A 44' TO 55' WIDE ROADWAY. THE IMPROVEMENTS REQUIRE THE DEMOLITION OF SEVERAL BUILDINGS AND REGRADING OF NEWLY CREATED OPEN AREAS.

IN ADDITION TO THE PAVEMENT WIDENING AND RECONSTRUCTION, THE IMPROVEMENTS INCLUDE EARTH EXCAVATION AND EMBANKMENT, THE CONSTRUCTION OF ENTRANCE APRONS AND SIDEWALKS ALONG ILLINOIS ROUTE 159 AS WELL AS ROAD IMPROVEMENTS TO SIDE ROADS.

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

THIS WORK WILL BEGIN WITH DEMOLITION OF BUILDINGS AND REMOVAL OF PARKING LOTS AND WILL PROGRESS TO CONSTRUCTION ROADWAY PAVEMENTS AND ROADWAY APPURTENANCES.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY EROSIIVE AREAS ASSOCIATED WITH THIS PROJECT:

THE REQUIRED FACTOR OF SAFETY WAS MET AND SLOPE STABILITY IS NOT ANTICIPATED TO BE A PROBLEM ALONG THIS ALIGNMENT. SETTLEMENT IS CONSIDERED NEGLIGIBLE AND SHOULD HAVE LITTLE TO NO IMPACT ON THE ROADWAY. REFERENCE THE APPROVED ROADWAY GEOTECHNICAL REPORT FOR ADDITIONAL SUBSURFACE INFORMATION.

H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSIIVE FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

SOILS WILL BE DISTURBED WITHIN THE CONSTRUCTION AREA TO THE EXTENT OF DEMOLITION OF BUILDINGS AND THE CONSTRUCTION OF ROADWAY AND APPURTENANCES. THE TERRAIN IS RELATIVELY FLAT AND SEDIMENT SHOULD BE CONTROLLED WITHIN A SHORT DISTANCE OF ITS GENERATION LOCATION.

I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS:

SEE THE FULL APPROVED DRAINAGE REPORT FOR A LIST OF THE RECEIVING WATERS.

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

- SOIL SEDIMENT
- CONCRETE
- CONCRETE TRUCK WASTE
- CONCRETE CURING COMPOUNDS
- SOLID WASTE DEBRIS
- PAINTS
- SOLVENTS
- FERTILIZERS / PESTICIDES
- PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL/FLUIDS)
- ANTIFREEZE / COOLANTS
- WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....

II. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF THIS PLAN:

A. EROSION AND SEDIMENT CONTROL

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN I(A)(1)(d) AND I(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASES ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 14 OR MORE CALENDAR DAYS.

o. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

- PRESERVATION OF MATURE VEGETATION
- VEGETATED BUFFER STRIPS
- PROTECTION OF TREES
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY TURF (SEEDING, CLASS 7)
- TEMPORARY MULCHING
- PERMANENT SEEDING
- EROSION CONTROL BLANKET / MULCHING
- SODDING
- GEOTEXTILES
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

ALTHOUGH SOME TREES WILL BE REQUIRED TO BE REMOVED IN ORDER TO ALLOW FOR CONSTRUCTION ACTIVITY, EXCAVATION, AND EMBANKMENT, EXISTING VEGETATION AND TREES THAT ARE NOT MARKED TO BE REMOVED ON THE LANDSCAPE PLAN SHALL BE PROTECTED AND PRESERVED, UNLESS OTHERWISE DEEMED NECESSARY FOR REMOVAL PER THE ENGINEER. TEMPORARY EROSION CONTROL SEEDING WILL BE UTILIZED AS DENOTED IN THE STANDARD SPECIFICATIONS OF ROAD AND BRIDGE CONSTRUCTION. SODDING WILL BE DONE AFTER COMPLETION OF CONSTRUCTION ACTIVITIES. THE INTENT OF THESE STABILIZATION PRACTICES IS TO PROVIDE PROTECTION FROM EROSION AND CONTROL OF SEDIMENT IN AREAS OF DISTURBANCE AS SOON AS POSSIBLE.

2. STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FOR THIS PROJECT:

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- STORM DRAIN INLET PROTECTION
- SEDIMENT TRAP
- TEMPORARY PIPE SLOPE DRAIN
- TEMPORARY SEDIMENT BASIN
- TEMPORARY STREAM CROSSING
- STABILIZED CONSTRUCTION EXITS
- TURF REINFORCEMENT MATS
- PERMANENT CHECK DAMS
- PERMANENT SEDIMENT BASIN
- AGGREGATE DITCH
- PAVED DITCH
- ROCK OUTLET PROTECTION
- RIPRAP
- GABIONS
- SLOPE MATTRESS
- RETAINING WALLS
- SLOPE WALLS
- CONCRETE REVETMENT MATS
- LEVEL SPREADERS
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

INLET AND PIPE PROTECTION WILL BE PLACED AT THE UPSTREAM END OF ALL PROPOSED INLETS TO PROTECT FROM SEDIMENTATION DUE TO EARTH EXCAVATION AND EMBANKMENT ACTIVITIES (SEE PLAN SCHEDULE OF QUANTITIES AND EROSION CONTROL PLAN SHEETS.)

PERIMETER EROSION CONTROL BARRIER WILL BE UTILIZED IN PLACES WHERE SEDIMENTATION MAY ESCAPE THE RIGHT-OF-WAY (SEE THE EROSION CONTROL PLAN FOR LOCATIONS.)

FILE NAME =	USER NAME = #USER#	DESIGNED - LDC	REVISED - 04/01/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SWPPP PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	DRAWN - MBB	REVISED -	600					60-(30,31,128)-N-1	MADISON	152	71	
PLOT SCALE = #SCALE#	CHECKED - CHA	REVISED -	CONTRACT NO. 76D54									
PLOT DATE = #DATE#	DATE - 08/23/09	REVISED -	SCALE:					SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

- a. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES).
THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.
- b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

MOST OF THE PROJECT AREA IS CURRENTLY IMPERVIOUS PAVEMENTS AND ROOFS. THE IMPROVEMENTS WILL PROVIDE CONSIDERABLY MORE GRASS AND OTHER VEGETATION COVER. THE NET RESULT SHOULD DECREASE CONTAMINATED RUNOFF.

4. OTHER CONTROLS:

- a. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (SHE WILL USE TO CONSTRUCT AND MAINTAIN THEM.

- b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:

- ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
- WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
- A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
- LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
- SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.

- c. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:

- PERIMETER EROSION BARRIER
- TEMPORARY SEEDING
- TEMPORARY MULCH
- PLASTIC COVERS
- SOIL BINDERS
- STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (SHE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

- d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
- f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

ALL WORK SHALL COMPLY WITH THE CITY OF COLLINSVILLE MS4 STORM WATER POLLUTION PLAN.

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THE PRACTICES ASSOCIATED WITH THIS PROJECT.

PIPE AND INLET PROTECTION DEVICES, AND PERIMETER EROSION CONTROL BARRIERS SHALL HAVE THE SEDIMENT REMOVED OR SHALL BE REPLACED AS INDICATED BY THE ENGINEER. TEMPORARY SEEDING FOR EROSION CONTROL SHALL BE CONTINUOUSLY IMPLEMENTED AS DIRECTED BY THE ENGINEER.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

- A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.

- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.

- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL NOTIFY THE APPROPRIATE I.E.P.A. FIELD OPERATIONS SECTION OFFICE BY EMAIL OF: epc.swnoncomp@illinois.gov, TELEPHONE OR FAX WITHIN 24 HOURS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL THEN COMPLETE AND SUBMIT AN "INCIDENCE OF NON-COMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION WITHIN 5 DAYS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

THE INCIDENT OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

- A. SPILL PREVENTION AND CONTROL - BMPs SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

- B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:

1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

- C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

- D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.

- E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPs CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPs WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (SHE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPs (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPs:

1. CONTAINMENT
2. SPILL PREVENTION AND CONTROL
3. USE OF DRIP PANS AND ABSORBENTS
4. AUTOMATIC SHUT-OFF NOZZLES
5. TOPPING OFF RESTRICTIONS
6. LEAK INSPECTION AND REPAIR

- F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

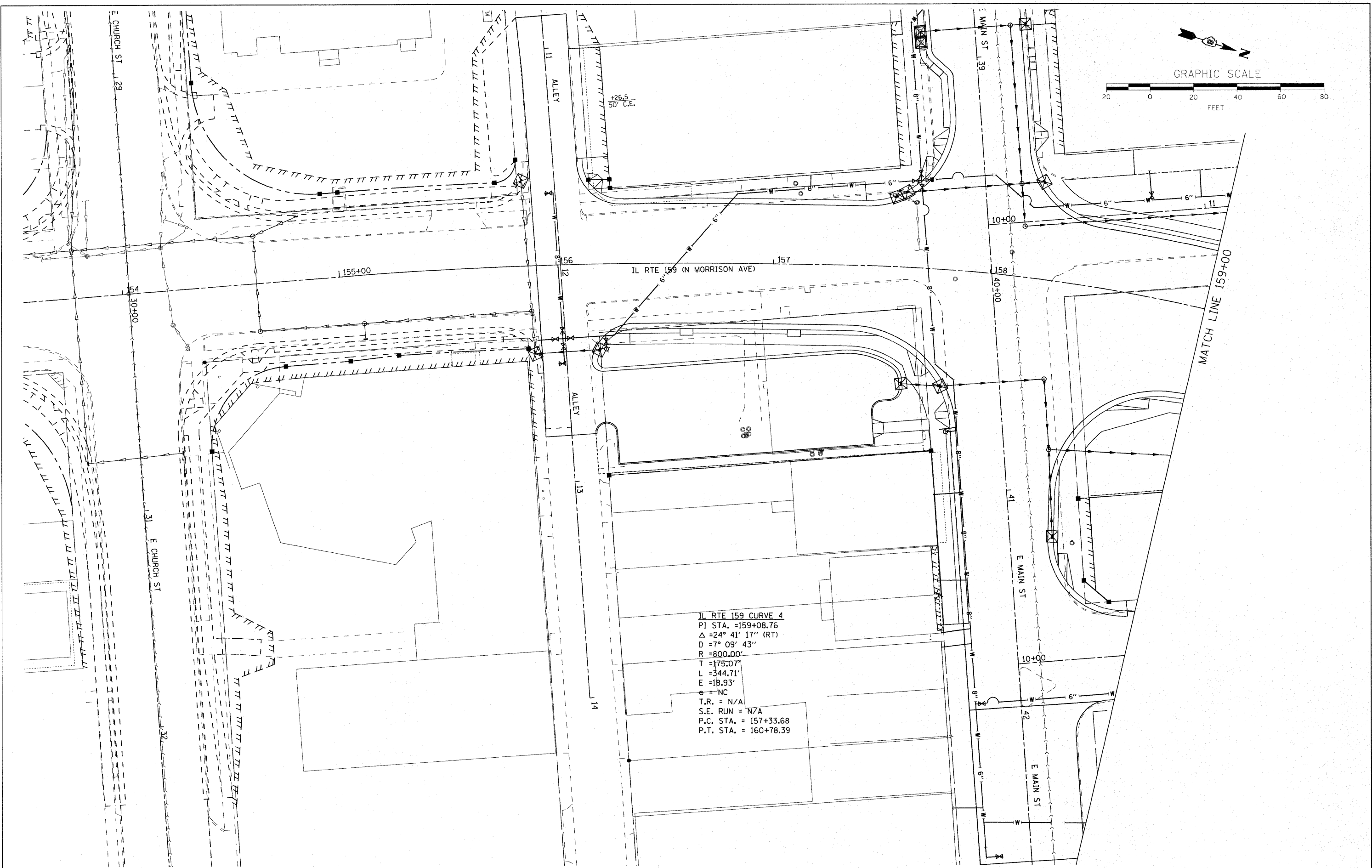
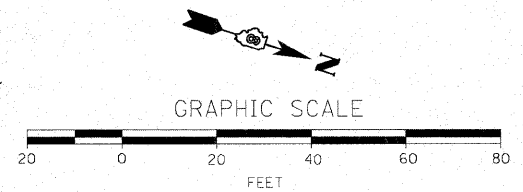
VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

LEGEND

- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- ◆ INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

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	PLOT DATE = #DATE#	DATE - 8-23-09	REVISED -													



IL RTE 159 CURVE 4
 P.I. STA. = 159+08.76
 $\Delta = 24^\circ 41' 17''$ (RT)
 $D = 7^\circ 09' 43''$
 $R = 800.00'$
 $T = 175.07'$
 $L = 344.71'$
 $E = 18.93'$
 $e = \text{NC}$
 $T.R. = \text{N/A}$
 $S.E. \text{ RUN} = \text{N/A}$
 $P.C. \text{ STA.} = 157+33.68$
 $P.T. \text{ STA.} = 160+78.39$

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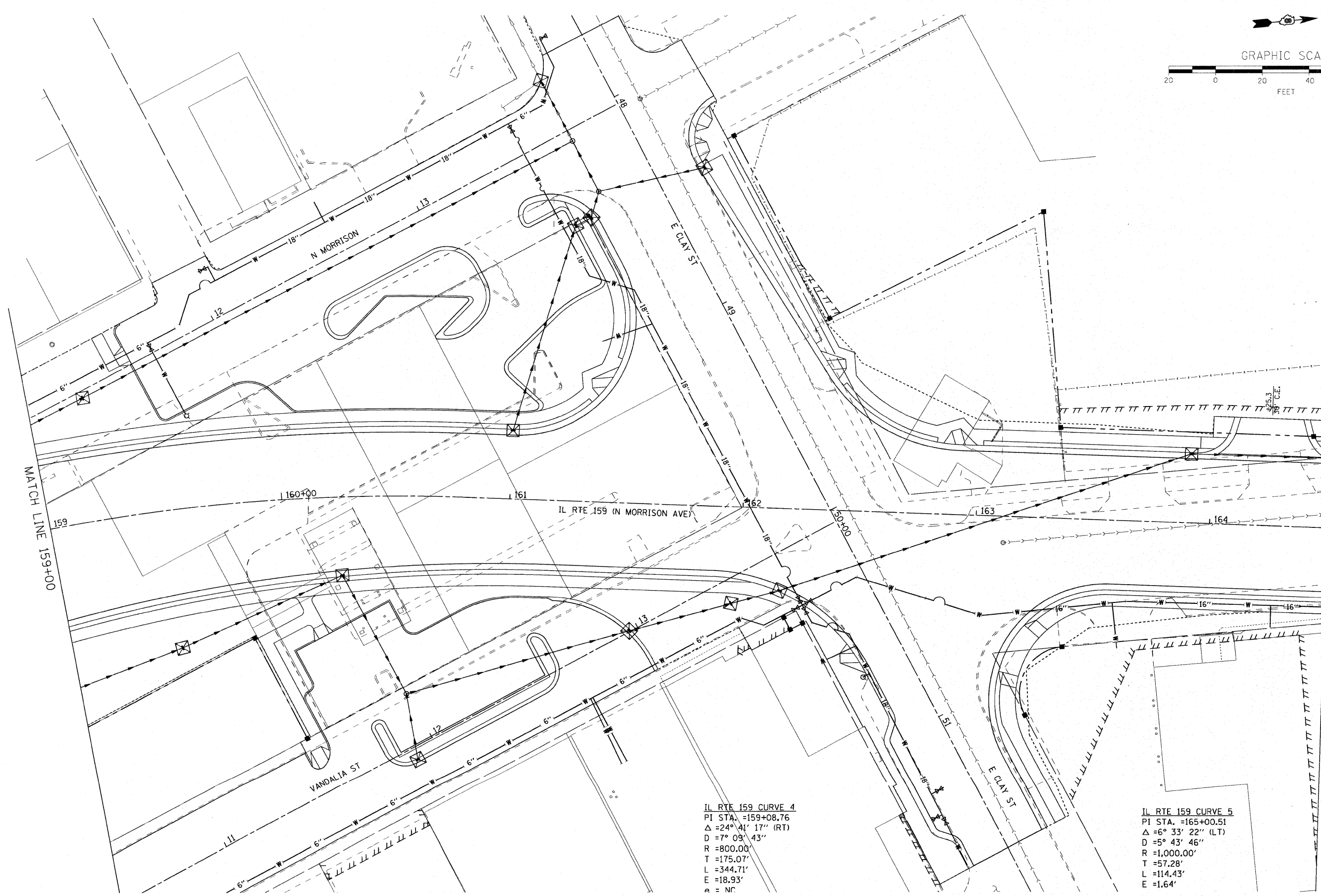
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN	
SCALE: 1' = 20'	SHEET NO. 1 OF 3 SHEETS
STA. 155+70 TO STA. 159+00	

F.A.P. RTE. 600	SECTION 60-(30.31.128)-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 73
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76D54				



GRAPHIC SCALE



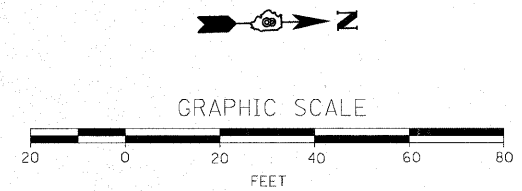
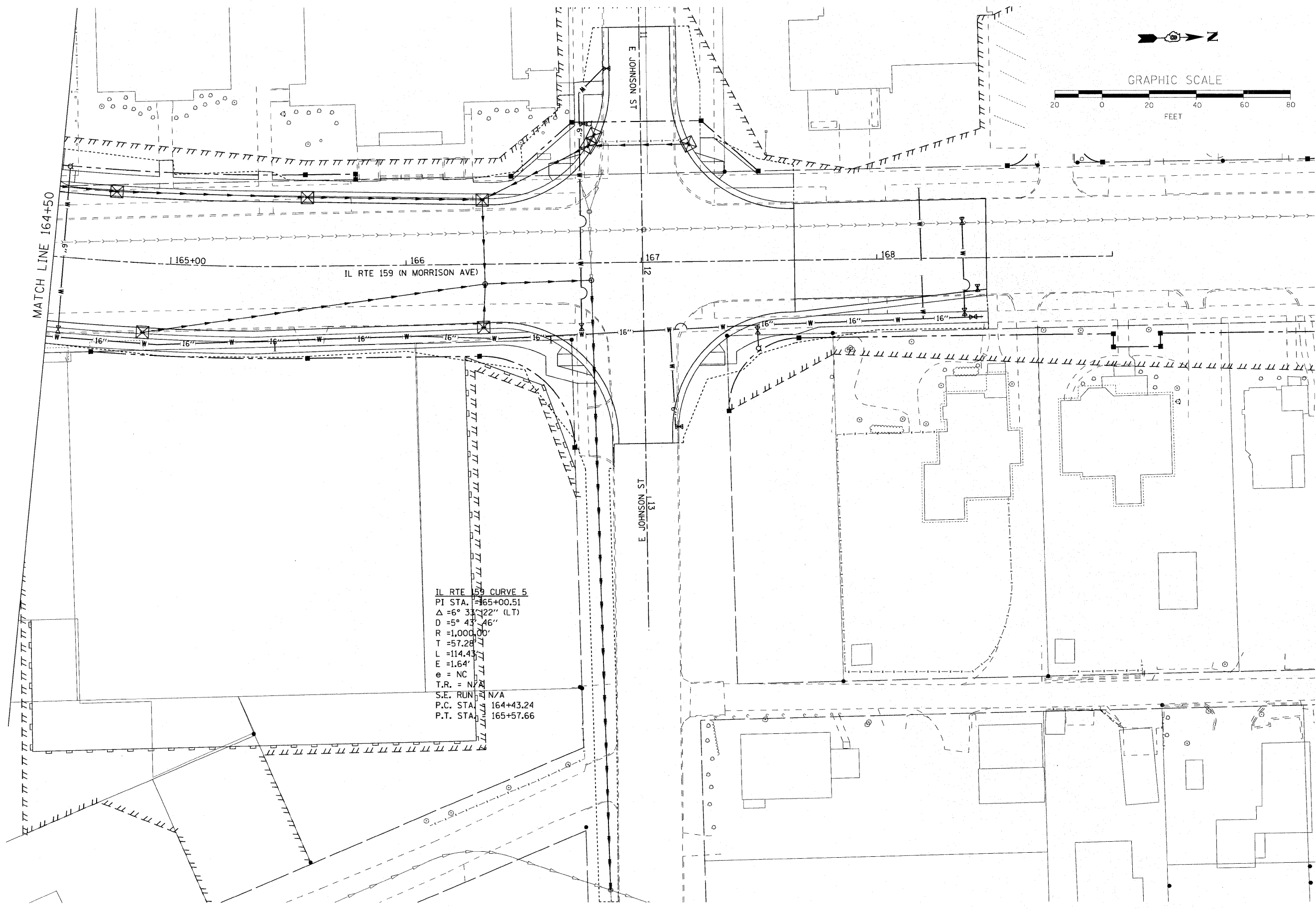
MATCH LINE 159+00

MATCH LINE 164+50

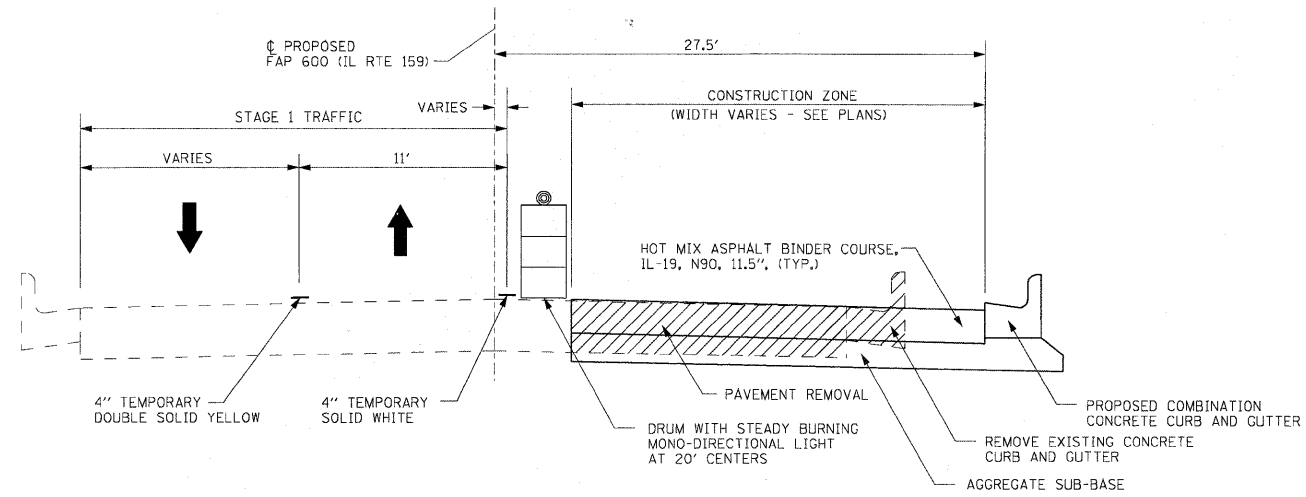
IL RTE 159 CURVE 4
 PI STA. =159+08.76
 $\Delta = 24^\circ 41' 17''$ (RT)
 $D = 7^\circ 09' 43''$
 $R = 800.00'$
 $T = 175.07'$
 $L = 344.71'$
 $E = 18.93'$
 $a = NC$

IL RTE 159 CURVE 5
 PI STA. =165+00.51
 $\Delta = 6^\circ 33' 22''$ (LT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 57.28'$
 $L = 114.43'$
 $E = 1.64'$

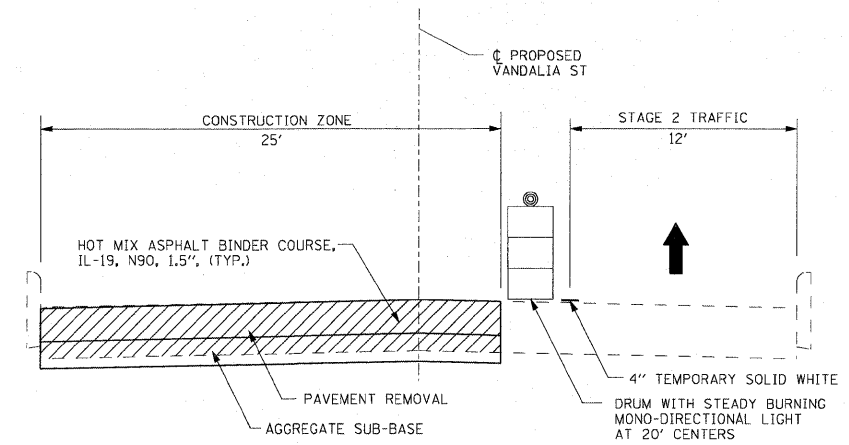
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							CONTRACT NO. 76D54					



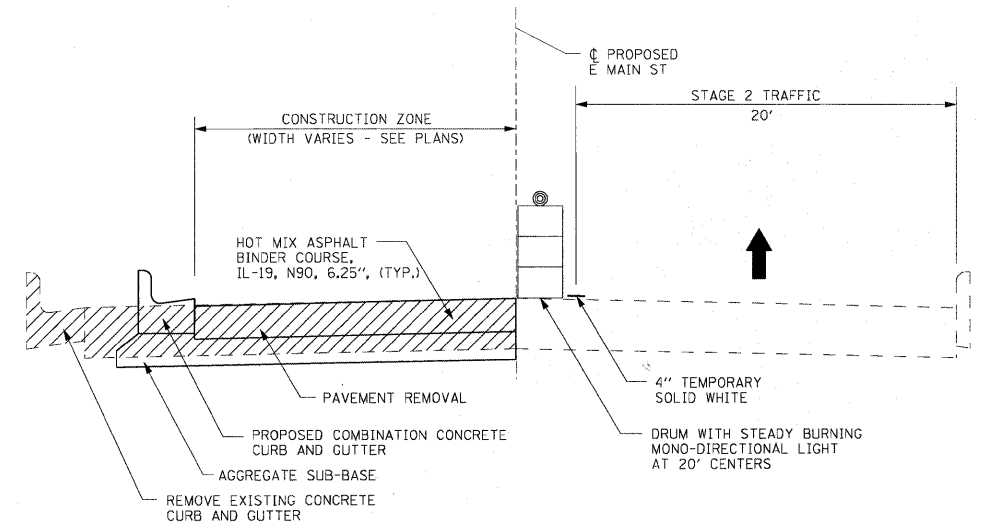
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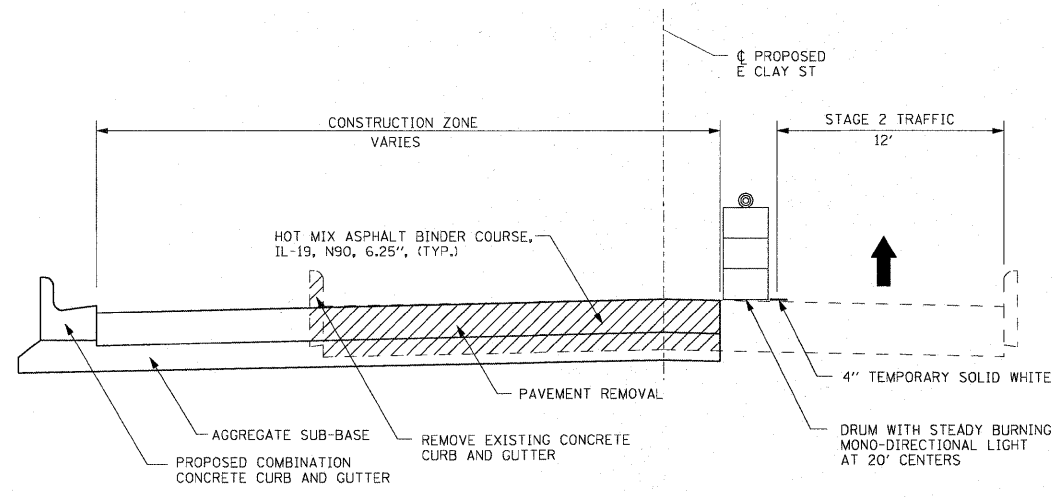
STAGE I - ALLEY 156+02 TO E MAIN ST



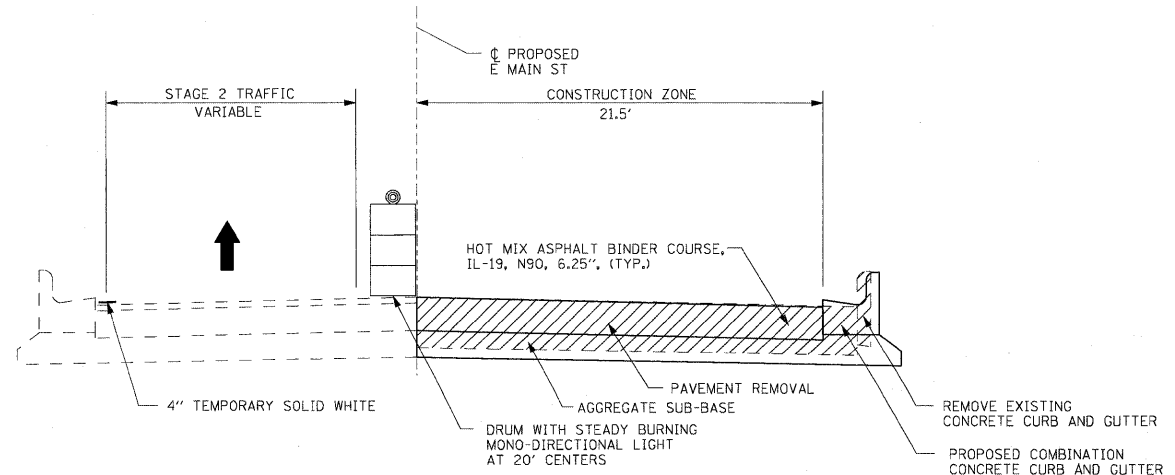
STAGE 2 - VANDALIA ST (NB IL 159 TRAFFIC)



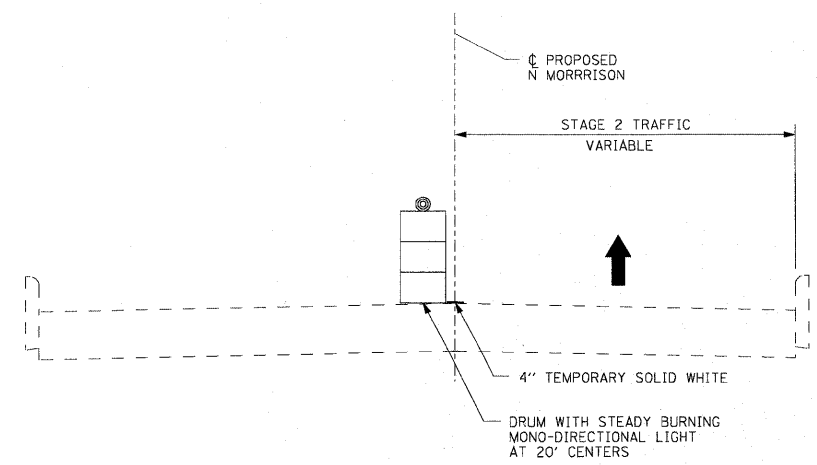
STAGE 2 - E MAIN ST PHASE 1 (NB IL 159 TRAFFIC)



STAGE 2 - E CLAY ST (SB IL 159 TRAFFIC)



STAGE 2 - E MAIN ST PHASE 2 (NB IL 159 TRAFFIC)



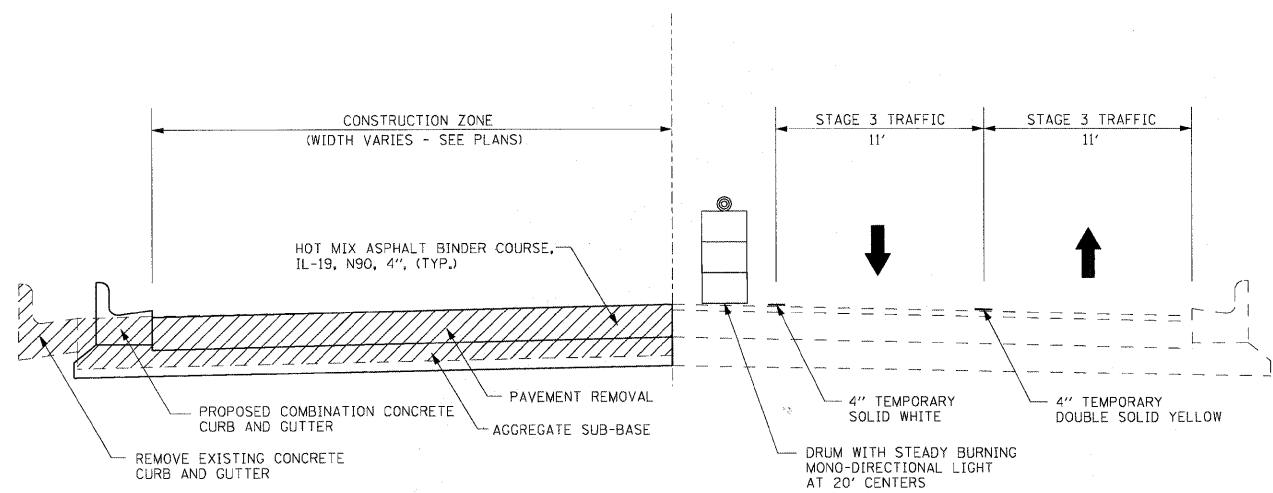
STAGE 2 - N MORRISON ST (SB IL 159 TRAFFIC)

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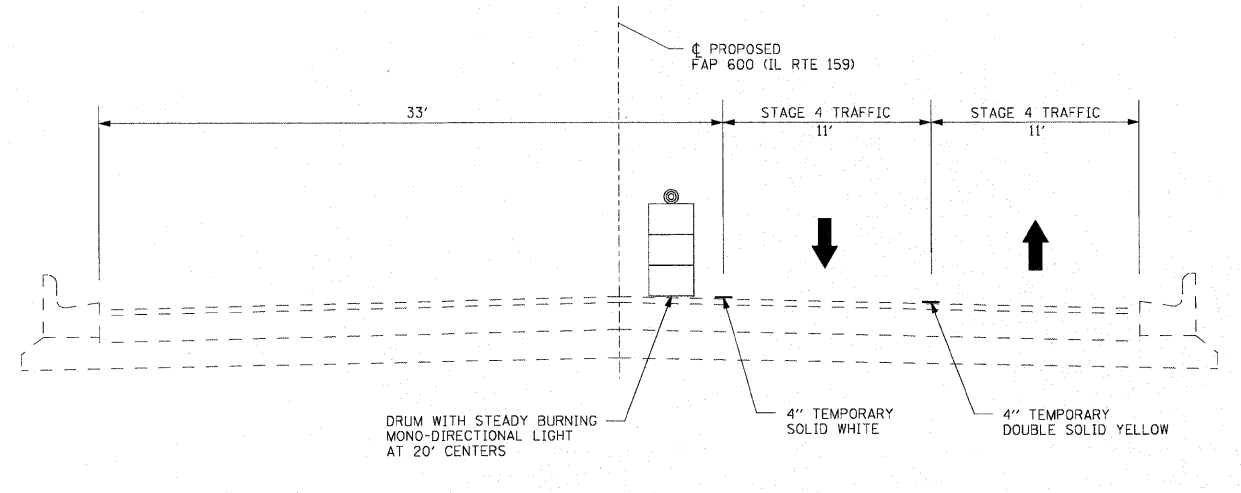
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL TYPICAL SECTIONS			
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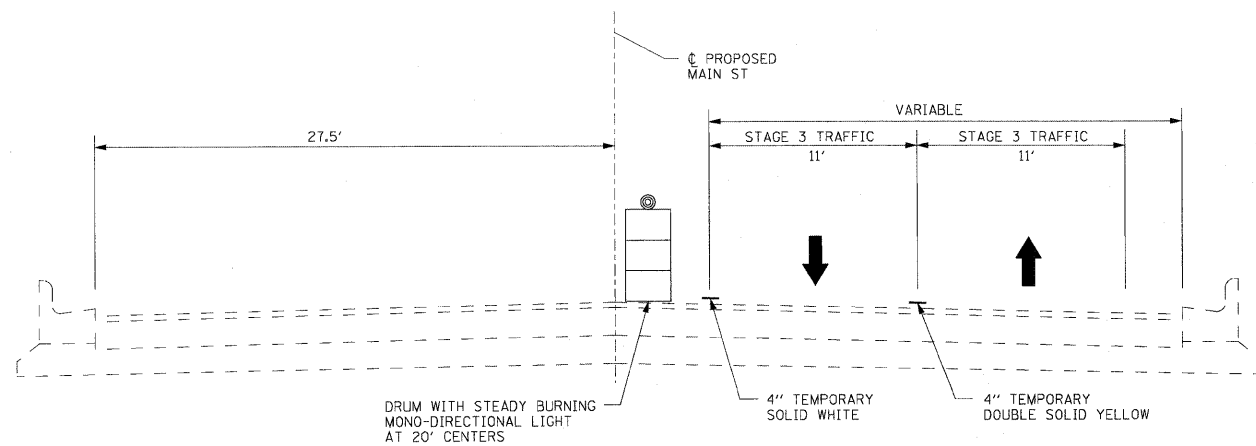
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CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				



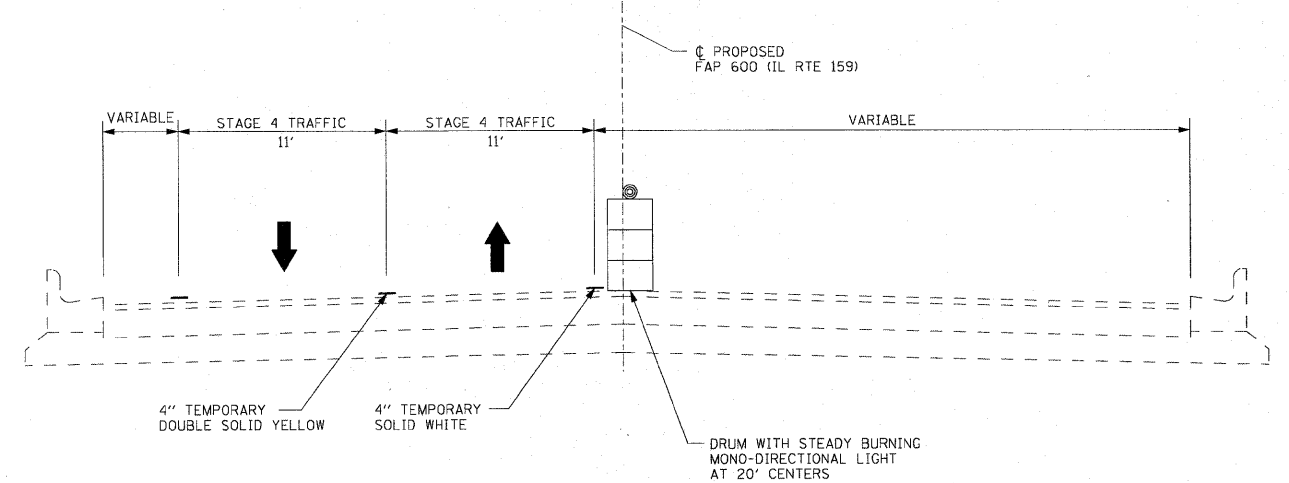
STAGE 3 - ALLEY 156+02 TO MAIN



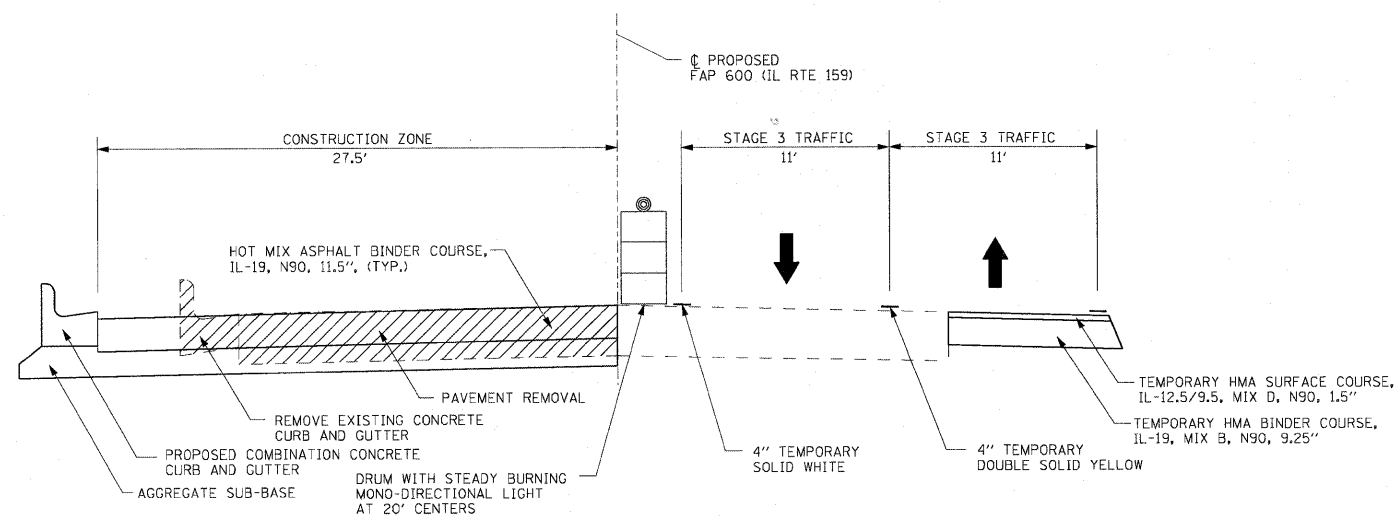
STAGE 4 - ALLEY 156+02 TO E MAIN ST



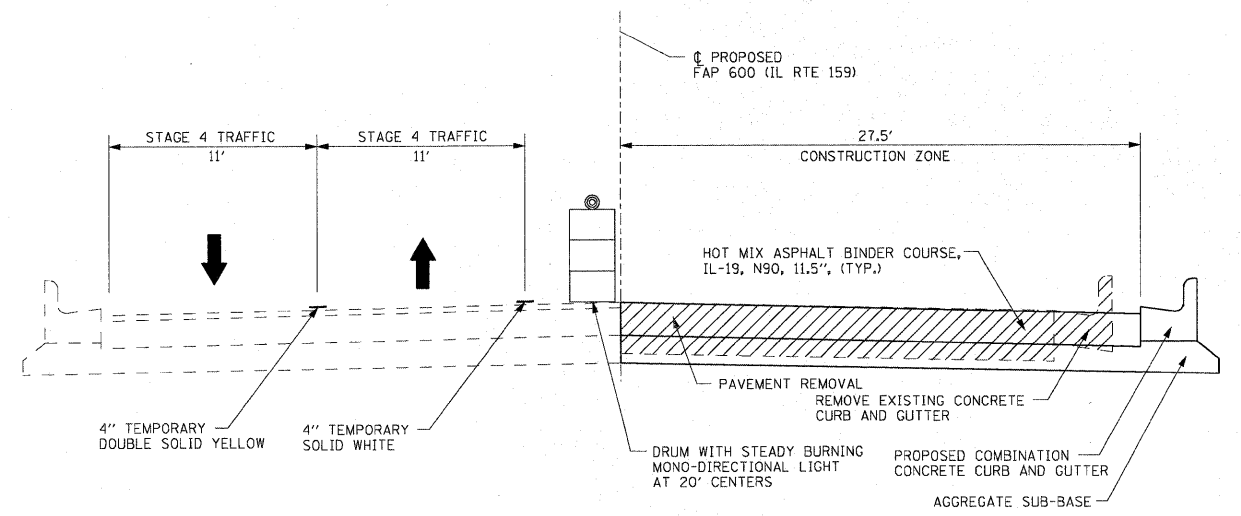
STAGE 3 - E MAIN ST TO E CLAY ST



STAGE 4 - E MAIN ST TO E CLAY ST



STAGE 3 - E CLAY ST TO E JOHNSON ST



STAGE 4 - E CLAY ST TO E JOHNSON ST

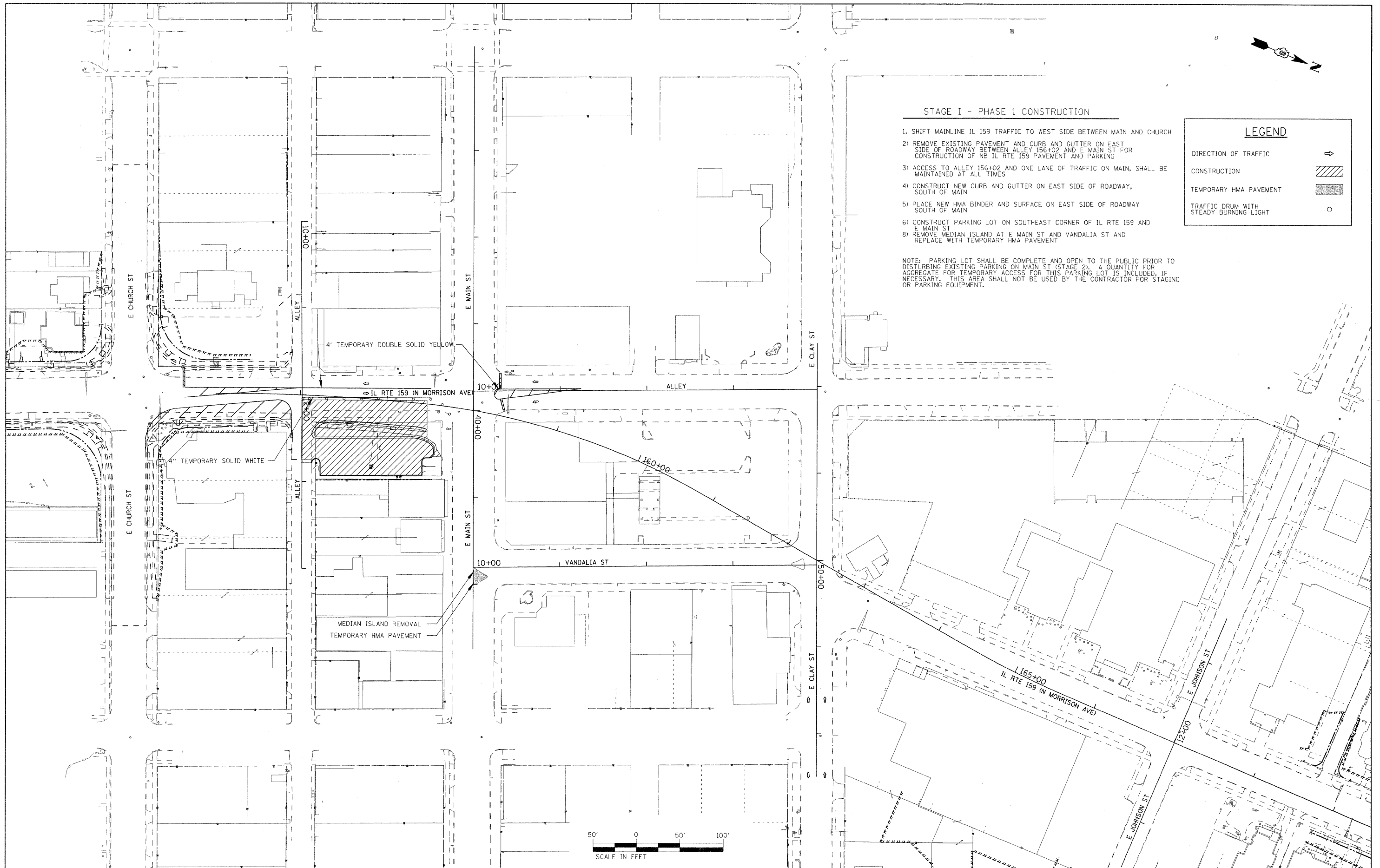
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PLOT DATE = 6/16/2010	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL TYPICAL SECTIONS

SCALE: N/A SHEET NO. 2 OF 9 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	77
CONTRACT NO. 76D54				
[ILLINOIS] FED. AID PROJECT				



STAGE I - PHASE 1 CONSTRUCTION

1. SHIFT MAINLINE IL 159 TRAFFIC TO WEST SIDE BETWEEN MAIN AND CHURCH E MAIN ST
2. REMOVE EXISTING PAVEMENT AND CURB AND GUTTER ON EAST SIDE OF ROADWAY BETWEEN ALLEY 156+02 AND E MAIN ST FOR CONSTRUCTION OF NB IL RTE 159 PAVEMENT AND PARKING
3. ACCESS TO ALLEY 156+02 AND ONE LANE OF TRAFFIC ON MAIN, SHALL BE MAINTAINED AT ALL TIMES
4. CONSTRUCT NEW CURB AND GUTTER ON EAST SIDE OF ROADWAY, SOUTH OF MAIN
5. PLACE NEW HMA BINDER AND SURFACE ON EAST SIDE OF ROADWAY SOUTH OF MAIN
6. CONSTRUCT PARKING LOT ON SOUTHEAST CORNER OF IL RTE 159 AND E MAIN ST
- 8) REMOVE MEDIAN ISLAND AT E MAIN ST AND VANDALIA ST AND REPLACE WITH TEMPORARY HMA PAVEMENT

NOTE: PARKING LOT SHALL BE COMPLETE AND OPEN TO THE PUBLIC PRIOR TO DISTURBING EXISTING PARKING ON MAIN ST (STAGE 2). A QUANTITY FOR AGGREGATE FOR TEMPORARY ACCESS FOR THIS PARKING LOT IS INCLUDED, IF NECESSARY. THIS AREA SHALL NOT BE USED BY THE CONTRACTOR FOR STAGING OR PARKING EQUIPMENT.

LEGEND

DIRECTION OF TRAFFIC

CONSTRUCTION

TEMPORARY HMA PAVEMENT

TRAFFIC DRUM WITH STEADY BURNING LIGHT

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
F:\Projects\51350\VCADD\GNN\0676054-sh1-staging.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1" IN.		CHECKED -	REVISED -
PLOT DATE = 8/9/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 1**

SCALE: 1" = 50' SHEET NO. 3 OF 9 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	78
CONTRACT NO. 76054			ILLINOIS FED. AID PROJECT	



STAGE II - PHASE 1 CONSTRUCTION

- 1) SHIFT IL RTE 159 TRAFFIC TO RT SIDE OF ROADWAY ON E CLAY ST, E MAIN ST, S MORRISON AND VANDALIA ST BETWEEN E CLAY ST AND E MAIN ST
- 2) RECONSTRUCT SOUTH SIDE OF ALLEY 156+02, SOUTH OF E MAIN ST
- 3) REMOVE EXISTING CURB AND GUTTERS ON SOUTH SIDE OF E CLAY ST, NORTH SIDE OF E MAIN ST, EAST SIDE OF S MORRISON, AND WEST SIDE OF VANDALIA ST BETWEEN E CLAY ST AND E MAIN ST AS NEEDED
- 4) CONSTRUCT UTILITIES AS REQUIRED, INCLUDING STORM AND SANITARY SEWERS
- 5) CONSTRUCT NEW CURB AND GUTTER AND DRAINAGE STRUCTURES
- 6) CONSTRUCT SUB-BASE AND PLACE HMA BINDER FOR NEW ALIGNMENT BETWEEN E MAIN ST AND E CLAY ST, NORTH SIDE OF E MAIN ST, AND SOUTH SIDE OF E CLAY ST
- 7) ONE LANE OF ONE WAY TRAFFIC IS TO BE MAINTAINED ON ALL FOUR SIDES OF THE CENTER BLOCK AT ALL TIMES
- 8) STOP SIGNS AND STREET SIGNS INCLUDING NO LEFT/RIGHT TURN SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED BY THE CONTRACTOR
- 9) PROPER DRAINAGE SHALL BE MAINTAINED BY THE CONTRACTOR
- 10) REMOVE ISLAND AT INTERSECTION OF E CLAY ST AND VANDALIA ST

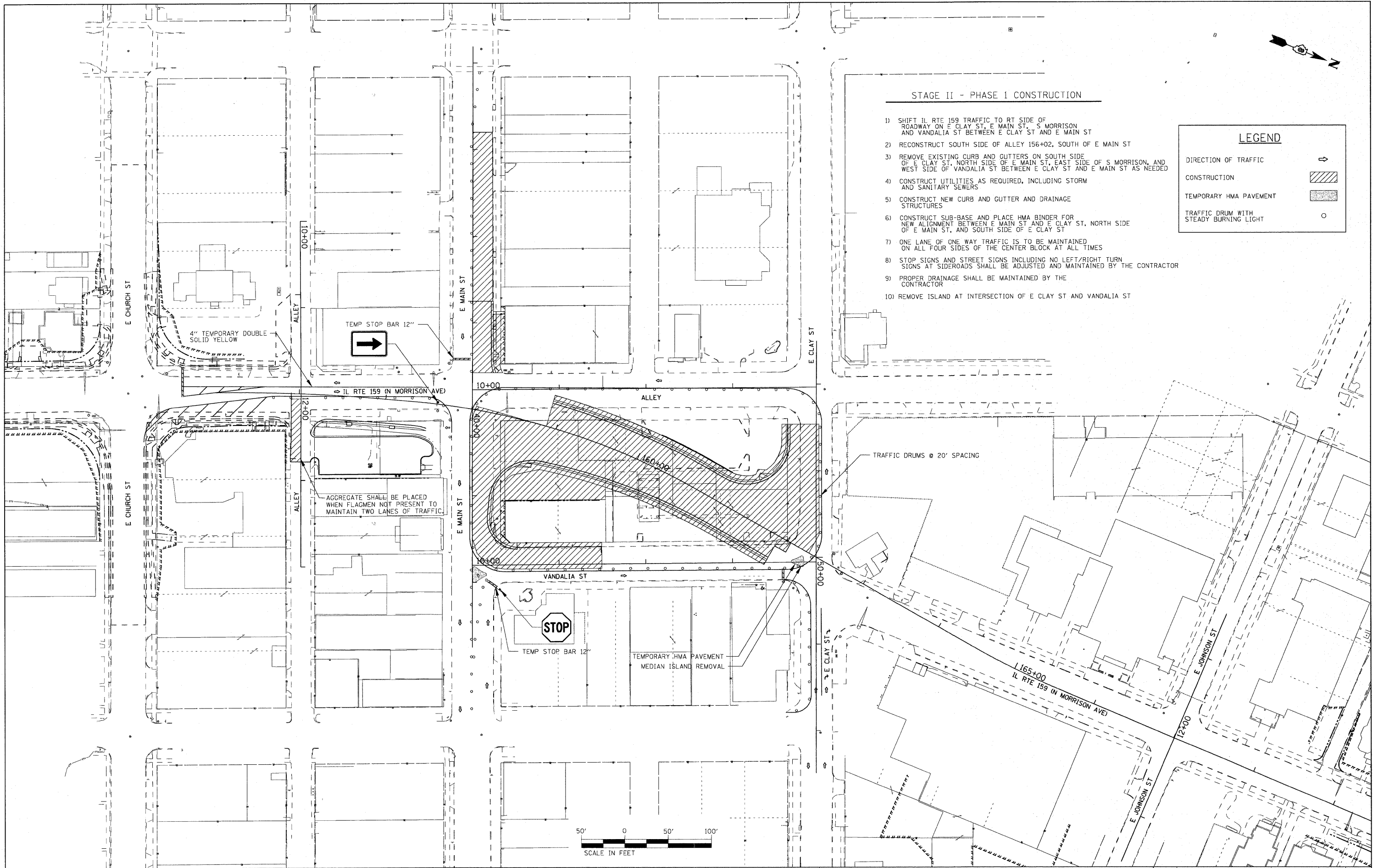
LEGEND

DIRECTION OF TRAFFIC →

CONSTRUCTION

TEMPORARY HMA PAVEMENT

TRAFFIC DRUM WITH STEADY BURNING LIGHT



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2 - PHASE 1	F.A.P. RTE. 600	SECTION 60-(30,31,128)-N-1	COUNTY MADISON	TOTAL SHEETS 152	SHEET NO. 79		
P:\Projects\513501\CA00\VDGN\0876054-sht	staging.dgn	DRAWN -	REVISED -			SCALE: 1" = 50'	SHEET NO. 4 OF 9 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 76D54		
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
	PLOT DATE = 6/16/2012	DATE -	REVISED -									



STAGE II - PHASE 2 CONSTRUCTION

- 1) SIDE ROAD DETOUR- WESTBOUND E MAIN ST (EAST OF VANDALIA) ONTO N CHESTNUT ST-TO WESTBOUND E CLAY ST-BACK TO IL RTE 159
- 2) SHIFT NB IL RTE 159 TRAFFIC TO SOUTH SIDE OF E MAIN ST
- 3) REMOVE EXISTING CURB AND GUTTERS AND SIDEWALKS AS REQUIRED
- 4) CONSTRUCT UTILITIES AS REQUIRED (INCLUDING STORM AND SANITARY SEWERS)
- 5) CONSTRUCT NEW CURB AND GUTTER AND DRAINAGE STRUCTURES ON SOUTH SIDE OF E MAIN ST
- 6) CONSTRUCT PAVEMENT SUB-BASE AND HMA BINDER
- 7) CONTRACTOR SHALL MAINTAIN PEDESTRAIN ACCESS TO BUSINESSES ON E MAIN ST AT ALL TIMES
- 8) MAINTAIN AT LEAST ONE LANE OF TRAFFIC ON E MAIN ST EAST OF VANDALIA) ON TO N CHESTNUT ST
- 9) REMOVE CURB AND GUTTER AND SIDEWALKS ON EAST SIDE IL RTE 159 NEAR E JOHNSON ST FOR CONSTRUCTION OF TEMPORARY PAVEMENT
- 10) CONSTRUCT TEMPORARY HMA BINDER AND SURFACE ON EAST SIDE OF IL RTE 159 NECESSARY TO ACCOMMODATE NORTHBOUND IL RTE 159 TRAFFIC DURING STAGE III CONSTRUCTION

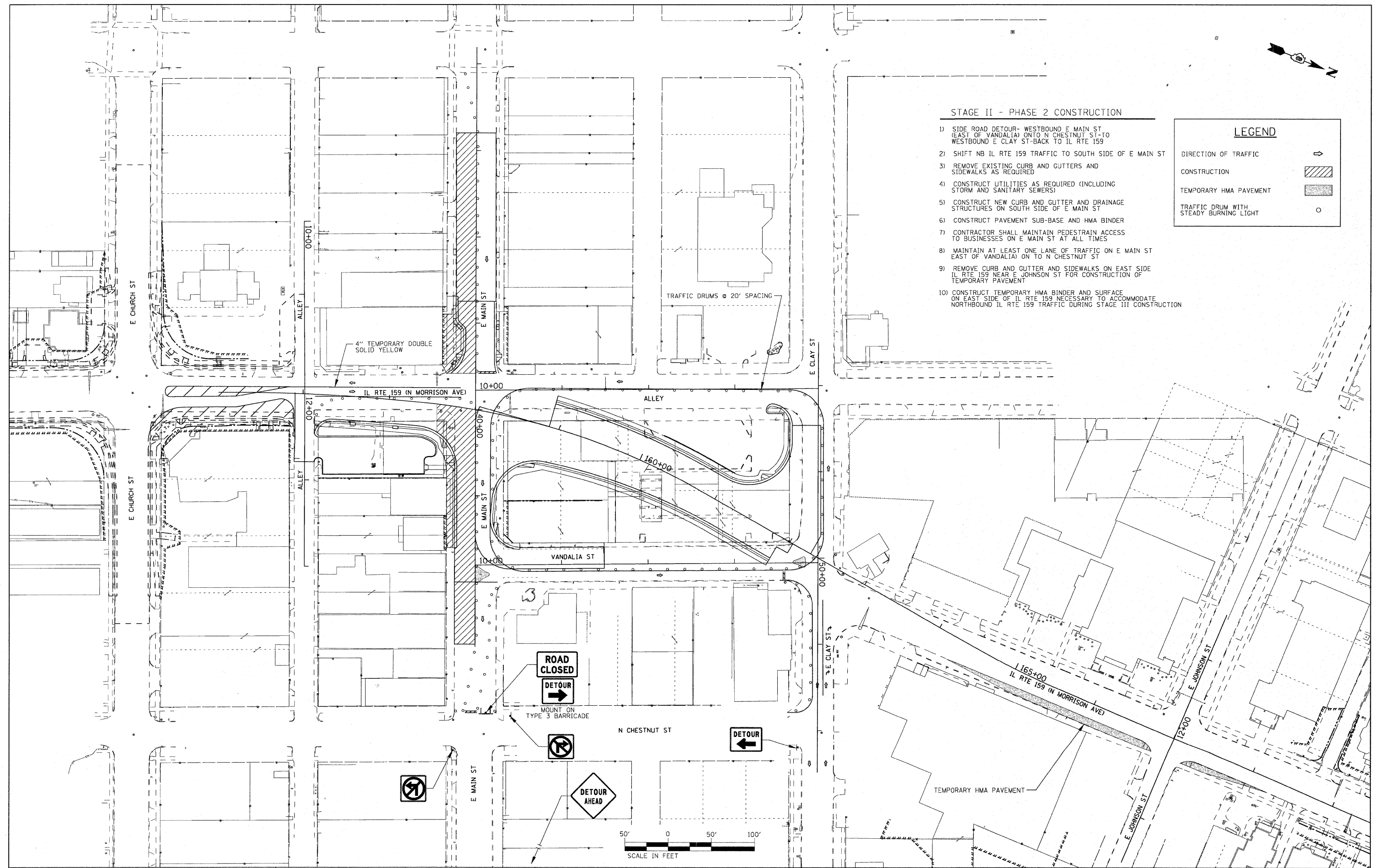
LEGEND

DIRECTION OF TRAFFIC

CONSTRUCTION

TEMPORARY HMA PAVEMENT

TRAFFIC DRUM WITH STEADY BURNING LIGHT



ROAD CLOSED

DETOUR

MOUNT ON TYPE 3 BARRICADE

DETOUR

DETOUR AHEAD



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2 - PHASE 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\Projects\513501\CADD\DN\0876D54-sht	teging.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-N-1	MADISON	152	80	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	SCALE: 1" = 50'			SHEET NO. 5 OF 9 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 76D54		
PLOT DATE = 6/16/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								



STAGE III - PHASE 1 CONSTRUCTION

- 1) KEEP SIDE ROAD DETOUR-WESTBOUND E MAIN STREET PUT IN PLACE DURING STAGE II, PHASE 2
- 2) REMOVE SHORT TERM PAVEMENT STRIPING WHERE NECESSARY AND SHIFT TRAFFIC TO STAGE III TRAFFIC CONFIGURATION
- 3) PLACE TEMPORARY TRAFFIC SIGNALS AT INTERSECTION OF E CLAY ST AND VANDALIA ST AND INTERSECTION OF N MORRISON AND E MAIN ST
- 4) REMOVE EXISTING PAVEMENT AND CURB AND GUTTERS ON WEST SIDE OF IL RTE 159 ROADWAY SOUTH OF E MAIN ST TO ALLEY 156+02 AND BETWEEN E CLAY ST AND E JOHNSON ST
- 5) REMOVE EXISTING PAVEMENT AND CURB AND GUTTERS ON NORTH SIDE OF E MAIN ST AT VANDALIA ST, RECONSTRUCT CURB AND GUTTER AND CONSTRUCT PARKING AREA ON VANDALIA ST
- 6) REMOVE EXISTING PAVEMENT, CURB AND GUTTERS, AND SIDEWALKS AS REQUIRED, AND RECONSTRUCT CURB AND GUTTER ON NORTH SIDE OF E CLAY ST
- 7) REMOVE EXISTING PAVEMENT AND CURB AND GUTTER AS NEEDED, AND CONSTRUCT NEW PARKING AREA ON S MORRISON
- 8) STOP SIGNS AND STREET SIGNS INCLUDING NO LEFT/RIGHT TURN SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED BY THE CONTRACTOR
- 9) PROPER DRAINAGE SHALL BE MAINTAINED BY THE CONTRACTOR
- 10) TWO LANES OF TRAFFIC SHALL BE MAINTAINED ON IL RTE 159 AT ALL TIMES
- 11) AT LEAST ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON E MAIN ST AND E CLAY ST AT ALL TIMES

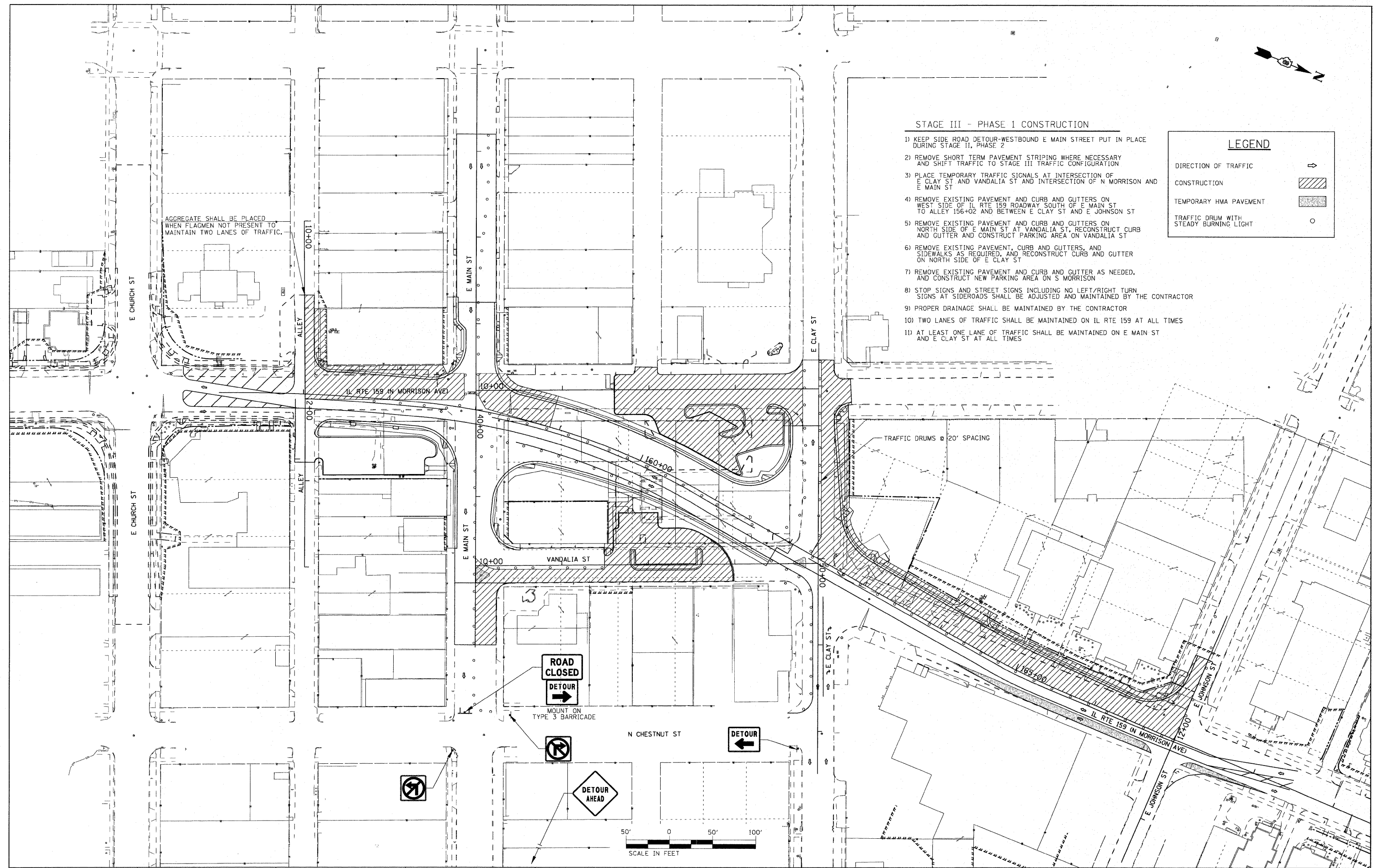
LEGEND

DIRECTION OF TRAFFIC

CONSTRUCTION

TEMPORARY HMA PAVEMENT

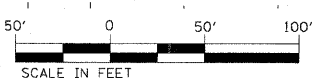
TRAFFIC DRUM WITH STEADY BURNING LIGHT



ROAD CLOSED
DETOUR →

MOUNT ON TYPE 3 BARRICADE

DETOUR AHEAD



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 PLOT DATE = 6/16/2012

DESIGNED -
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 CHECKED -
 DATE -

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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 STAGE 3 - PHASE 1**

SCALE: 1" = 50' SHEET NO. 6 OF 9 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-130,31,128)-N-1	MADISON	152	81
				CONTRACT NO. 76D54
ILLINOIS FED. AID PROJECT				



STAGE III - PHASE 2 CONSTRUCTION

- 1) REMOVE SIDE ROAD DETOUR - WESTBOUND E MAIN ST
- 2) CONSTRUCT THE REMAINING ROADWAY SECTIONS AT THE INTERSECTIONS ON THE WEST LEGS OF E CLAY ST, E MAIN ST, E JOHNSON ST, AND ALLEY 156+02 SOUTH OF E MAIN ST
- 3) AT LEAST ONE LANE SHALL REMAIN OPEN AT ALL TIMES ON E CLAY ST, E MAIN ST AND ALLEY 156+02
- 4) THE CONTRACTOR SHALL MAINTAIN TWO WAY TRAFFIC ON E JOHNSON ST OVERNIGHT. MAY REDUCE TO ONE LANE DURING CONSTRUCTION OPERATIONS
- 5) STOP SIGNS AND STREET SIGNS INCLUDING NO LEFT/RIGHT TURN SIGNS AT SIDE ROADS SHALL BE ADJUSTED AND MAINTAINED BY THE CONTRACTOR
- 6) PROPER DRAINAGE SHALL BE MAINTAINED BY THE CONTRACTOR

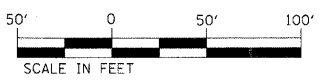
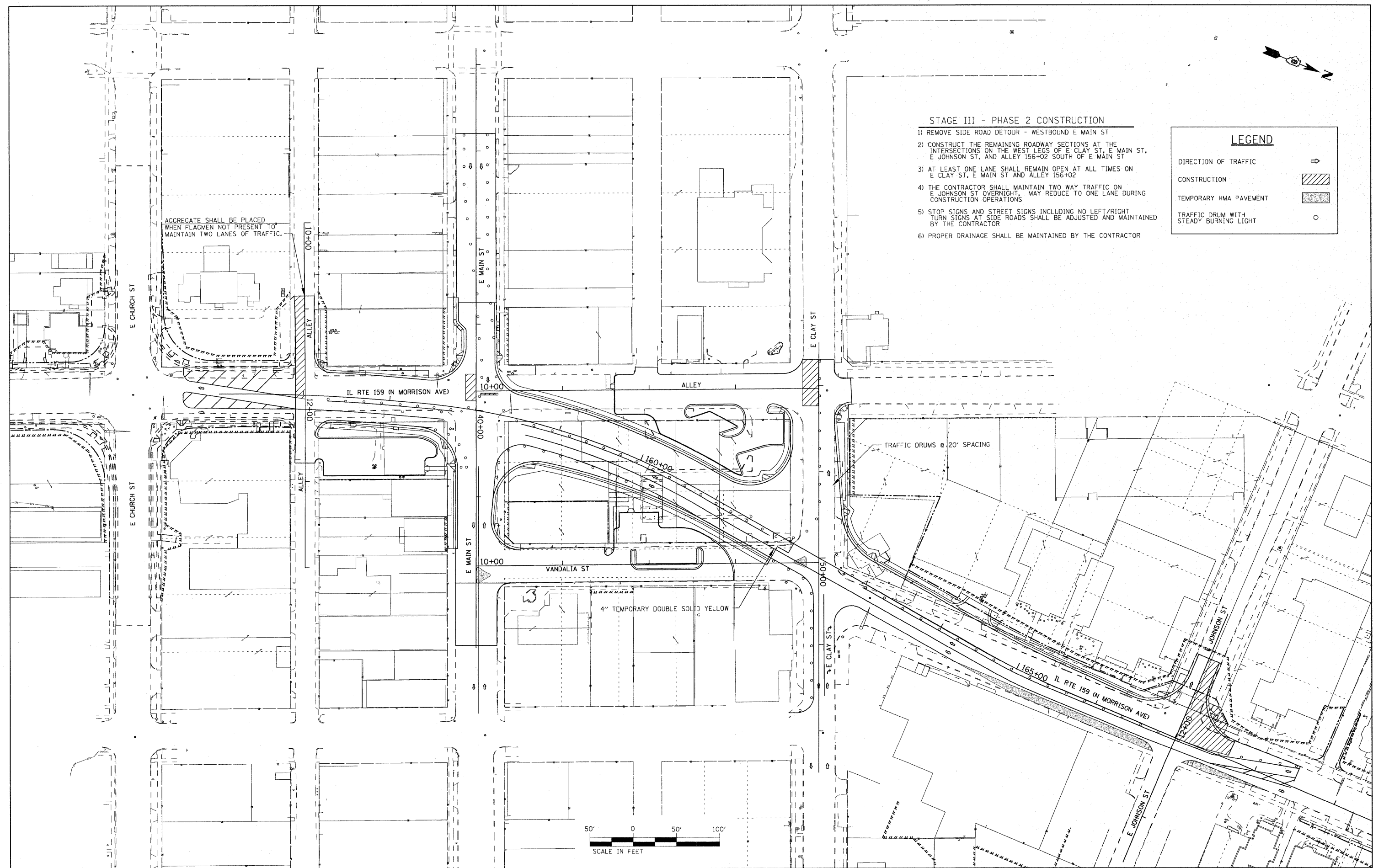
LEGEND

DIRECTION OF TRAFFIC

CONSTRUCTION

TEMPORARY HMA PAVEMENT

TRAFFIC DRUM WITH STEADY BURNING LIGHT



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PLOT DATE = 6/16/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 3 - PHASE 2**

SCALE: 1" = 50' SHEET NO. 7 OF 9 SHEETS STA. N/A TO STA. N/A

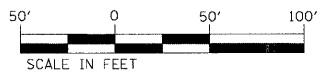
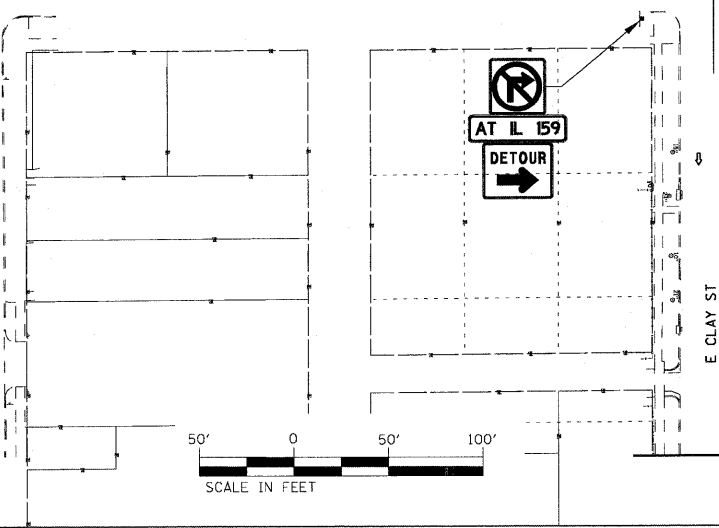
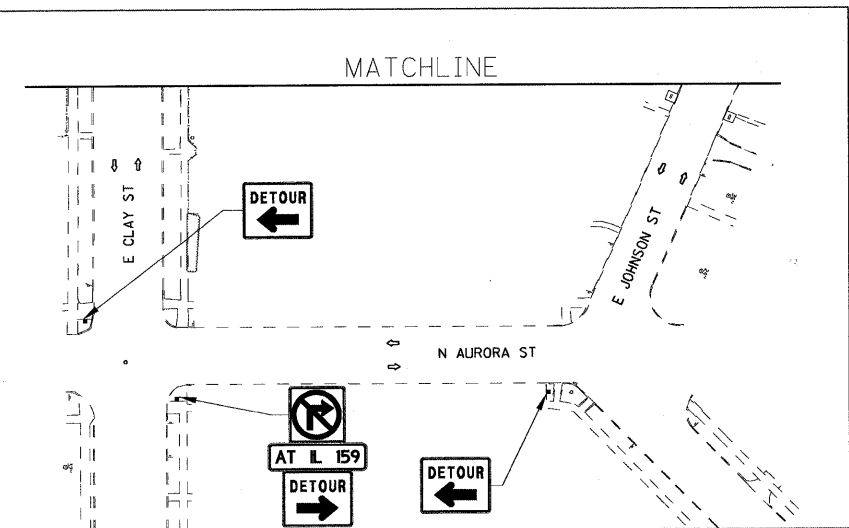
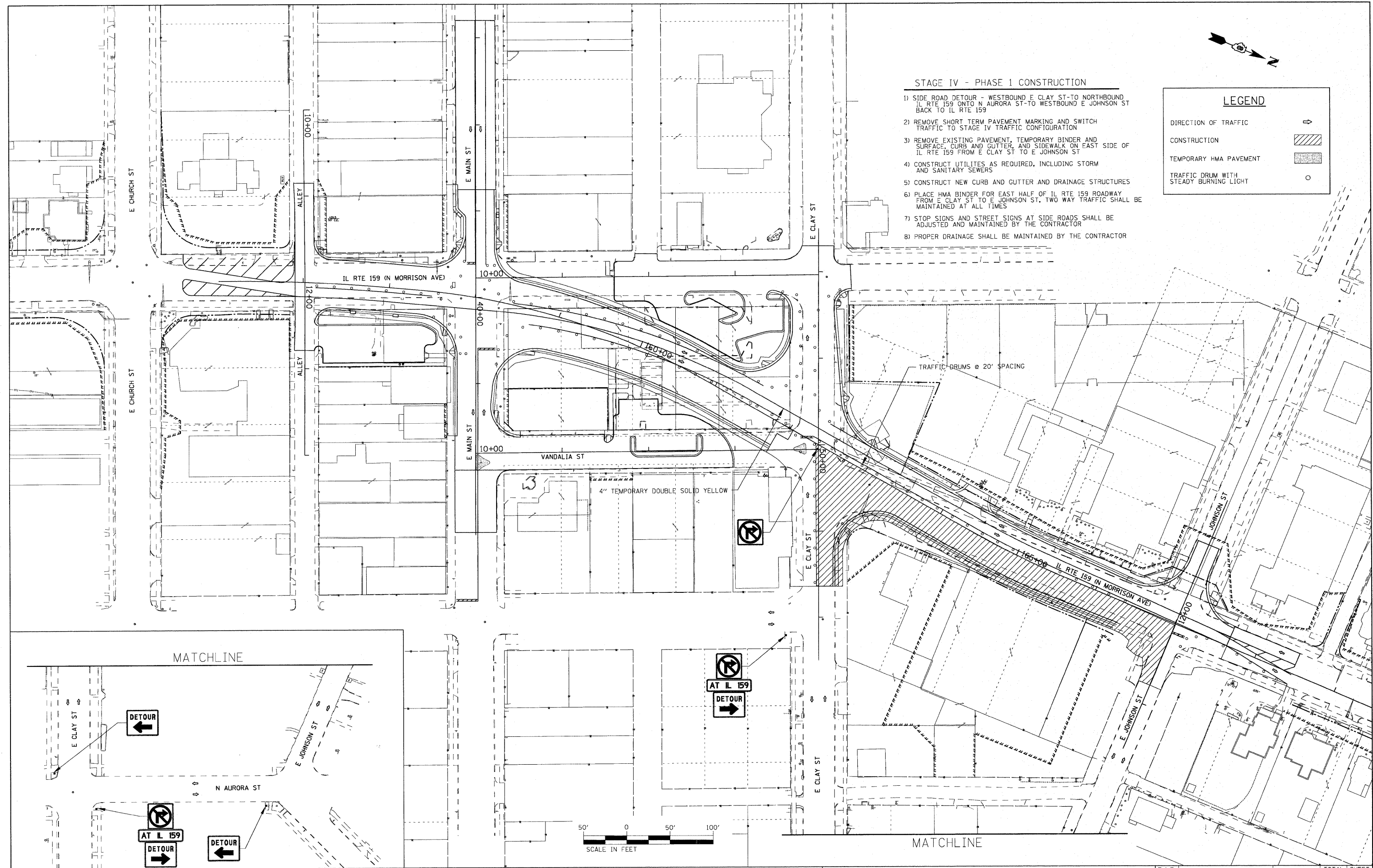
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	82
				CONTRACT NO. 76054
ILLINOIS FED. AID PROJECT				



STAGE IV - PHASE 1 CONSTRUCTION

- 1) SIDE ROAD DETOUR - WESTBOUND E CLAY ST-TO NORTHBOUND IL RTE 159 ONTO N AURORA ST-TO WESTBOUND E JOHNSON ST BACK TO IL RTE 159
- 2) REMOVE SHORT TERM PAVEMENT MARKING AND SWITCH TRAFFIC TO STAGE IV TRAFFIC CONFIGURATION
- 3) REMOVE EXISTING PAVEMENT, TEMPORARY BINDER AND SURFACE, CURB AND GUTTER, AND SIDEWALK ON EAST SIDE OF IL RTE 159 FROM E CLAY ST TO E JOHNSON ST
- 4) CONSTRUCT UTILITIES AS REQUIRED, INCLUDING STORM AND SANITARY SEWERS
- 5) CONSTRUCT NEW CURB AND GUTTER AND DRAINAGE STRUCTURES
- 6) PLACE HMA BINDER FOR EAST HALF OF IL RTE 159 ROADWAY FROM E CLAY ST TO E JOHNSON ST. TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES
- 7) STOP SIGNS AND STREET SIGNS AT SIDE ROADS SHALL BE ADJUSTED AND MAINTAINED BY THE CONTRACTOR
- 8) PROPER DRAINAGE SHALL BE MAINTAINED BY THE CONTRACTOR

LEGEND	
DIRECTION OF TRAFFIC	
CONSTRUCTION	
TEMPORARY HMA PAVEMENT	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	

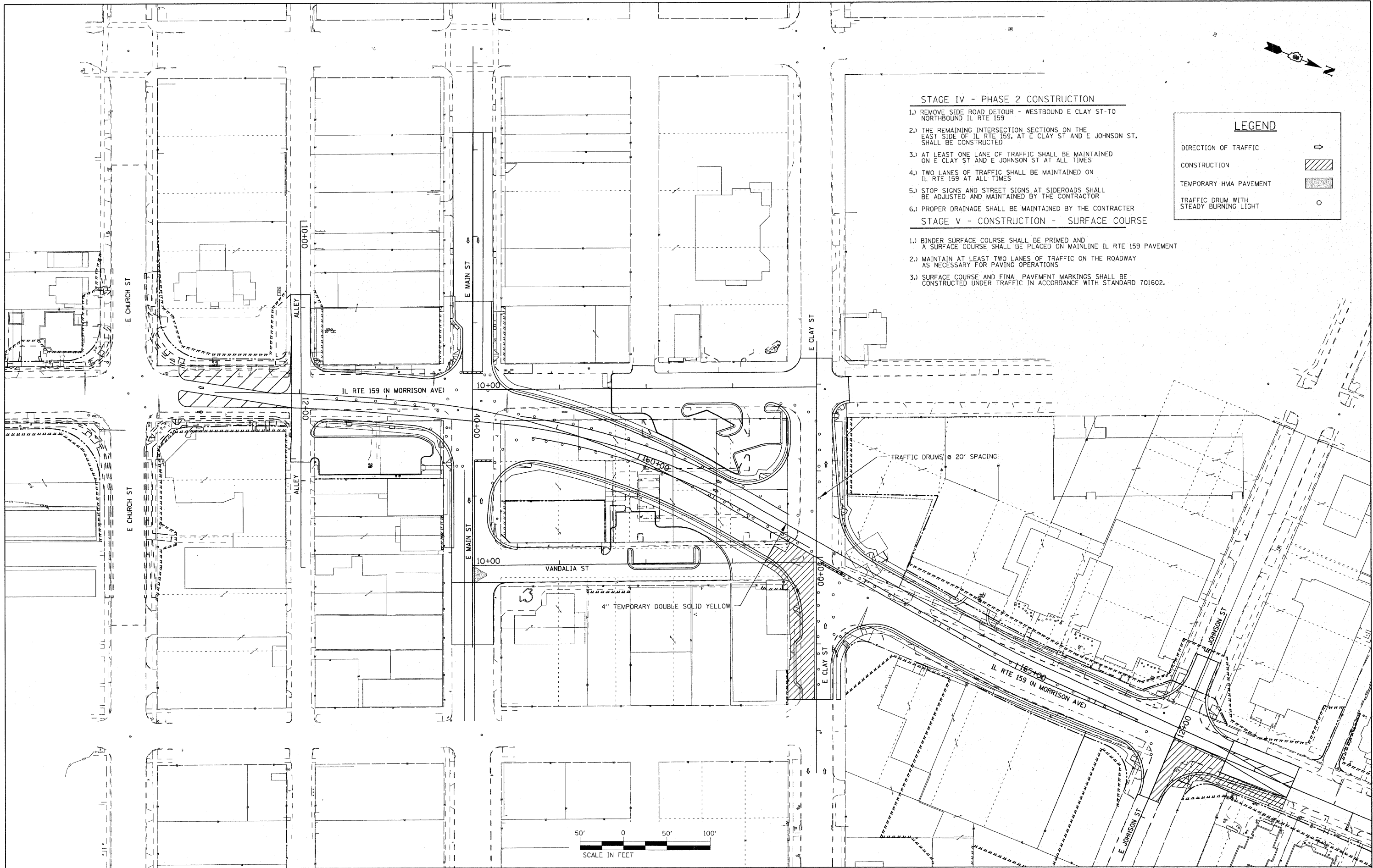


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	PLOT DATE = 6/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	
STAGE 4 - PHASE 1	
SCALE: 1" = 50'	SHEET NO. 8 OF 9 SHEETS
STA. N/A	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	83
				CONTRACT NO. 76D54
ILLINOIS FED. AID PROJECT				



STAGE IV - PHASE 2 CONSTRUCTION

- 1.) REMOVE SIDE ROAD DETOUR - WESTBOUND E CLAY ST-TO NORTHBOUND IL RTE 159
 - 2.) THE REMAINING INTERSECTION SECTIONS ON THE EAST SIDE OF IL RTE 159, AT E CLAY ST AND E JOHNSON ST, SHALL BE CONSTRUCTED
 - 3.) AT LEAST ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON E CLAY ST AND E JOHNSON ST AT ALL TIMES
 - 4.) TWO LANES OF TRAFFIC SHALL BE MAINTAINED ON IL RTE 159 AT ALL TIMES
 - 5.) STOP SIGNS AND STREET SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED BY THE CONTRACTOR
 - 6.) PROPER DRAINAGE SHALL BE MAINTAINED BY THE CONTRACTOR
- STAGE V - CONSTRUCTION - SURFACE COURSE**

- 1.) BINDER SURFACE COURSE SHALL BE PRIMED AND A SURFACE COURSE SHALL BE PLACED ON MAINLINE IL RTE 159 PAVEMENT
- 2.) MAINTAIN AT LEAST TWO LANES OF TRAFFIC ON THE ROADWAY AS NECESSARY FOR PAVING OPERATIONS
- 3.) SURFACE COURSE AND FINAL PAVEMENT MARKINGS SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STANDARD 701602.

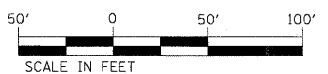
LEGEND

DIRECTION OF TRAFFIC

CONSTRUCTION

TEMPORARY HMA PAVEMENT

TRAFFIC DRUM WITH STEADY BURNING LIGHT



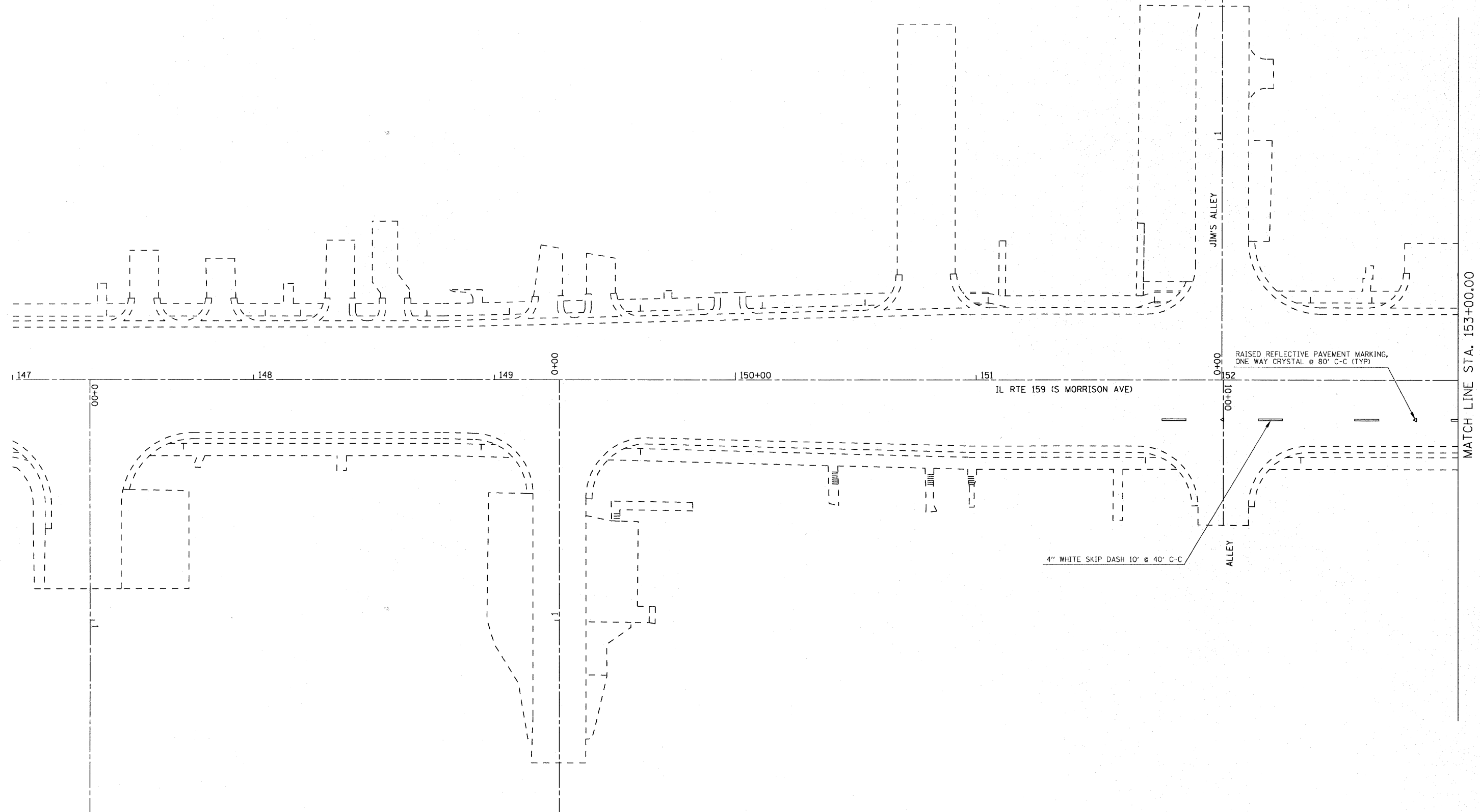
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	PLTJ DATE = 6/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 4 - PHASE 2**

SCALE: 1" = 50' SHEET NO. 9 OF 9 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	84
				CONTRACT NO. 76D54
ILLINOIS FED. AID PROJECT				



RAISED REFLECTIVE PAVEMENT MARKING,
ONE WAY CRYSTAL @ 80' C-C (TYP)

4" WHITE SKIP DASH 10' @ 40' C-C

IL RTE 159 (S MORRISON AVE)

MATCH LINE STA. 153+00.00

NOTES:
ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
EXISTING DASHED LINEWORK REPRESENTS CONSTRUCTION TO BE PERFORMED UNDER CONTRACT NO. 76830.



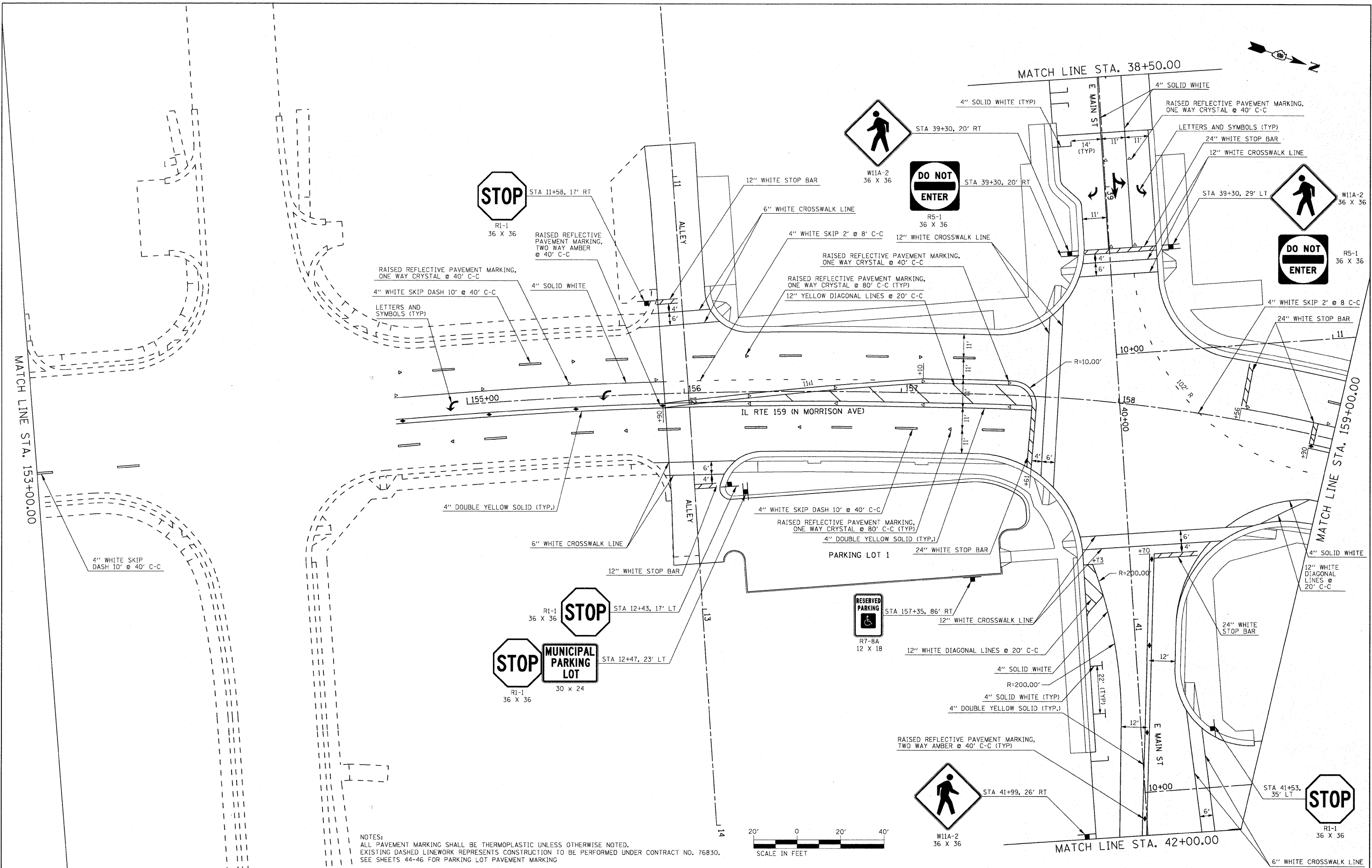
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PLOT SCALE = 20.0000' / 1" IN.		CHECKED -	REVISED -
PLOT DATE = 6/16/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

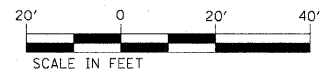
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' SHEET NO. 1 OF 5 SHEETS STA. 147+00.00 TO STA. 153+00.00

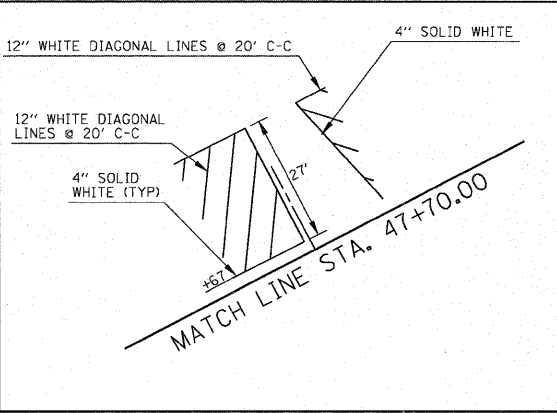
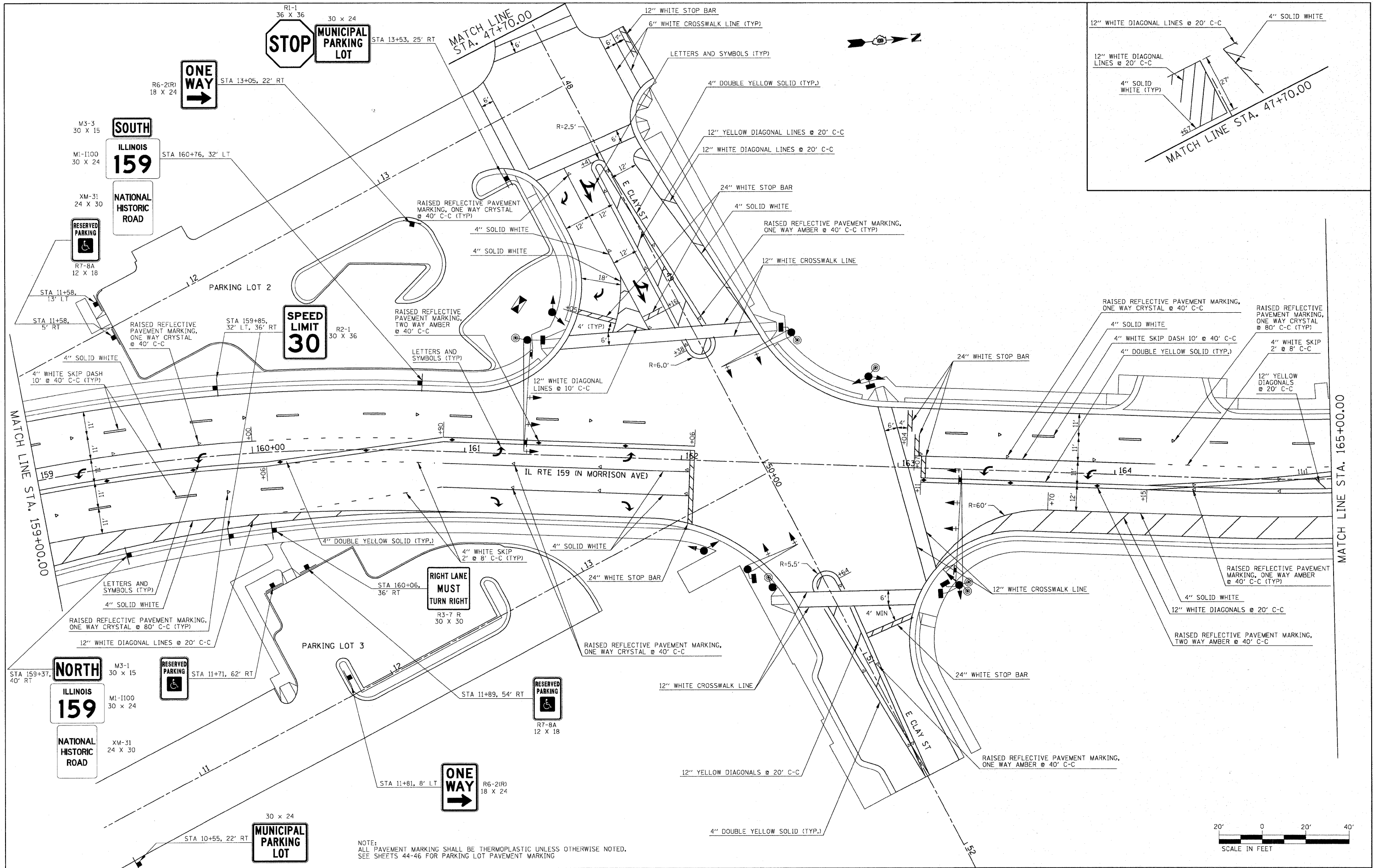
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	85
CONTRACT NO. 76D54				
ILLINOIS FED. AID PROJECT				



NOTES:
 ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 EXISTING DASHED LINEWORK REPRESENTS CONSTRUCTION TO BE PERFORMED UNDER CONTRACT NO. 76830.
 SEE SHEETS 44-46 FOR PARKING LOT PAVEMENT MARKING



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PROJECT NO. = 1513501	USER = signudgn	DRAWN -	REVISED -			600	60-(130,31,128)-N-1	MADISON	152	86	
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			SCALE: 1" = 20'		SHEET NO. 2 OF 5 SHEETS		STA. 153+00.00 TO STA. 159+00.00	
PLOT DATE = 6/18/2010		DATE -	REVISED -			CONTRACT NO. 76D54 ILLINOIS FED. AID PROJECT					



NOTE:
ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
SEE SHEETS 44-46 FOR PARKING LOT PAVEMENT MARKING

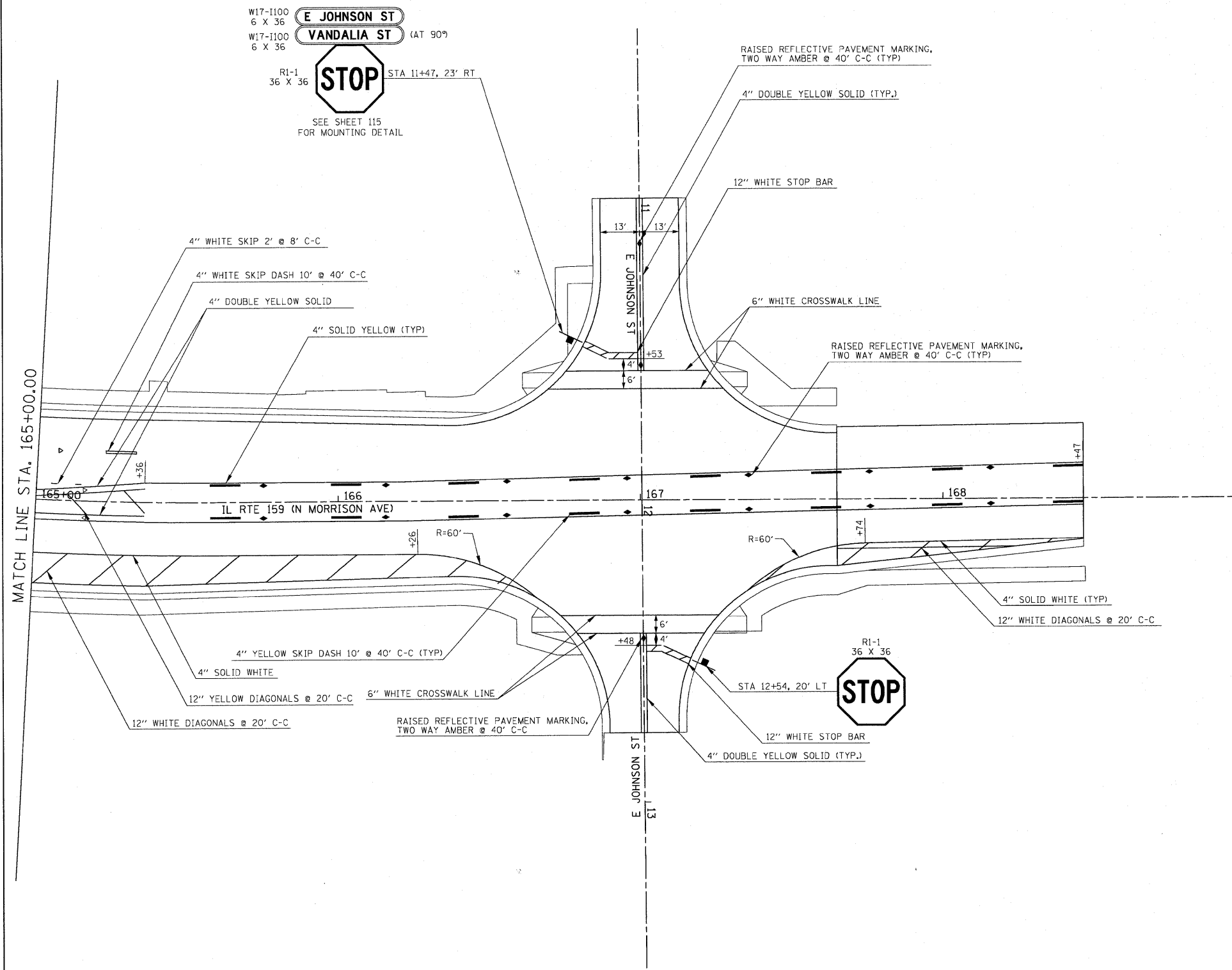
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	PLT DATE = 6/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' SHEET NO. 3 OF 5 SHEETS STA. 159+00.00 TO STA. 165+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	87
				CONTRACT NO. 76D54
ILLINOIS FED. AID PROJECT				



NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.



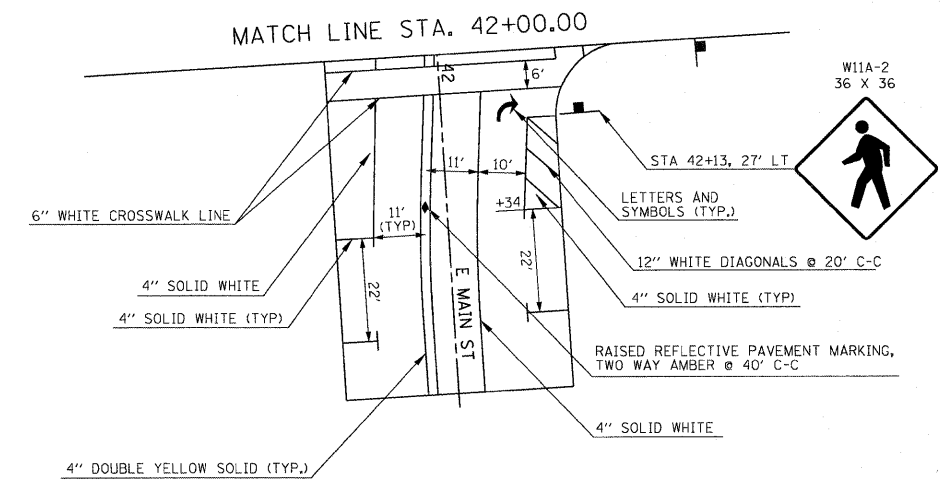
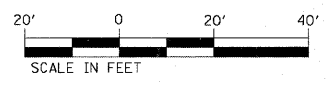
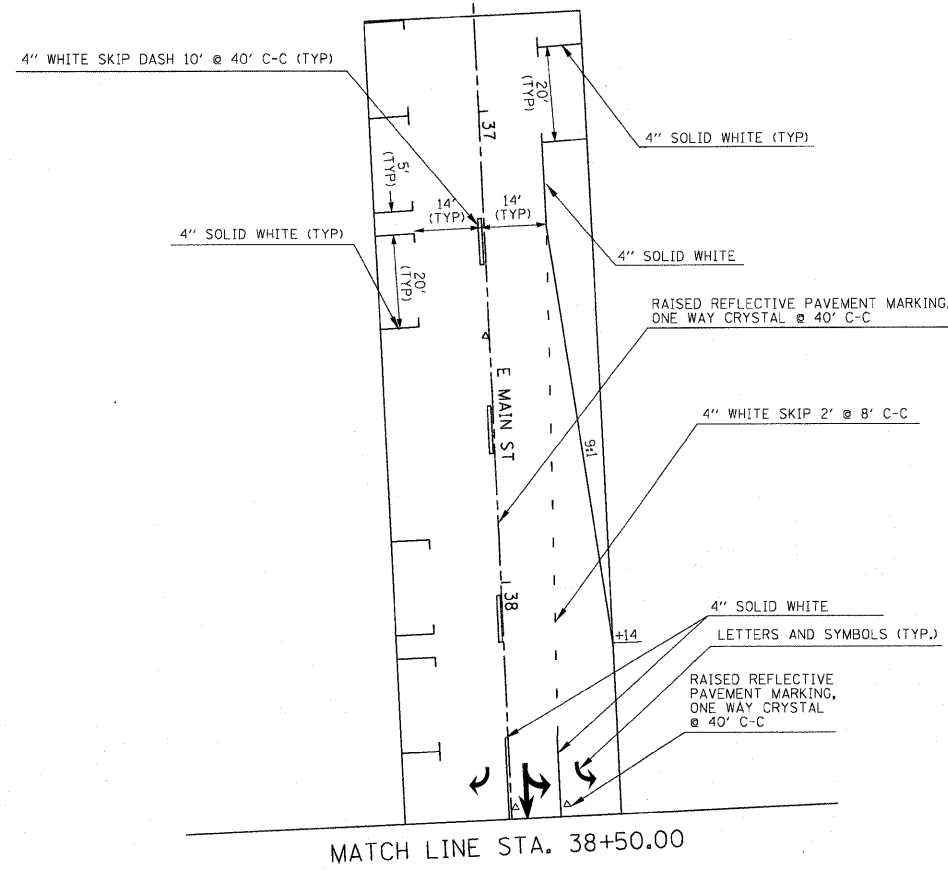
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	PLOT DATE = 6/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' SHEET NO. 4 OF 5 SHEETS STA. 165+00.00 TO STA. 168+46.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	88
CONTRACT NO. 76054			ILLINOIS FED. AID PROJECT	



NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\projects\513521\cadd\ dgn\0876054-shl\pmk-sign.dgn		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 5 OF 5 SHEETS	STA. N/A TO STA. N/A	600	60-(30,31,128)-N-1	MADISON	152	89
		PLT SCALE = 20.0000' / IN.	CHECKED -					CONTRACT NO. 76D54				
		PLT DATE = 6/16/2010	DATE -					ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE SFTY Y031-1F		SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE SFTY Y031-1F	
CODE NO	ITEM	UNIT		MAIN ST	CLAY ST	CODE NO	ITEM	UNIT		MAIN ST	CLAY ST
72000100	SIGN PANEL - TYPE 1	SQ FT	61.5	32	29.5	87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	4	2	2
72000200	SIGN PANEL - TYPE 2	SQ FT	10	10		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15	6	9
80300100	LOCATING UNDERGROUND CABLE	FOOT	200	100	100	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	7	3.5	3.5
80500100	SERVICE INSTALLATION, TYPE A	EACH	2	1	1	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	42	13.5	28.5
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	423	216	207	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	83.5	46.5	37
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	774	369	405	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	1	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	196	45	151	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12	6	6
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	678	307	371	88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3	3	
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	27	11	16	88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5	3	2
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	13	7	6	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3	1	2
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2	1	1	88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	1	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1842	843	999	88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	2		2
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2	1	1	88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	3	1	2
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2	1	1	88102820	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 2-SECTION BRACKET MOUNTED	EACH	6	2	4
85900100	TRANSCEIVER	EACH	1	1		88200300	TRAFFIC SIGNAL BACKPLATE, PLASTIC	EACH	20	10	10
86000100	MASTER CONTROLLER	EACH	1		1	88500100	INDUCTIVE LOOP DETECTOR	EACH	26	13	13
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2629	1178	1451	88600100	DETECTOR LOOP, TYPE I	FOOT	3499	1790	1709
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2768	1178	1590	88800100	PEDESTRIAN PUSH-BUTTON	EACH	12	6	6
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4590	2155	2435	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	120	70	50
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3640	1640	2000	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	1	1
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5292	2351	2941	89502380	REMOVE EXISTING HANDHOLE	EACH	8	4	4
87301715	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 6 PAIR	FOOT	500	250	250	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	14	7	7
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	95	45	50	X0324896	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 2-SECTION, BRACKET MOUNTED	EACH	3	2	1
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	5	2	3	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2175	1075	1100
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	3	2	1						
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2	1	1						
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1						
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	1							

ELECTRICAL GENERAL NOTES

1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI -SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACK PLATES SHALL BE ABS PLASTIC.
3. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM.
4. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
5. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 A.W.G. STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED- ON RING TONGUE CONNECTORS.
6. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
7. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD FILLED WITH NON -HARDENING EPOXY FILLER. ROSIN-CORE SOLDER SHALL BE USED.
8. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
9. CALL CARRYOVER SHALL FUNCTION ONLY WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
10. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.
11. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(b)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS".
12. ACTUAL DEPTHS OF THE CONCRETE FOUNDATIONS FOR THE MAST ARM SUPPORT POLES ARE AS FOLLOWS:

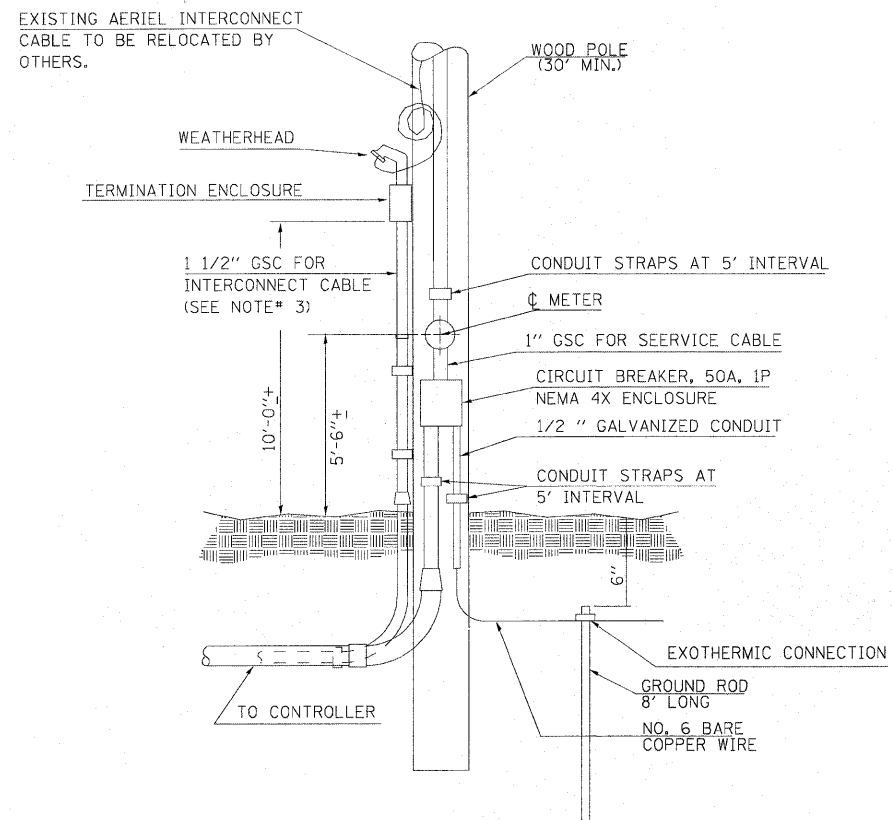
<p><u>MAIN STREET</u></p> <p>NE CORNER, 52' M.A.: 17'-6" DEEP, 36" DIA. (TS14) NW CORNER, 26' M.A.: 13'-6" DEEP, 30" DIA. (TS13) SE CORNER, 52' M.A.: 15' DEEP, 36" DIA. SW CORNER, 40' M.A.: 14'-0" DEEP, 36" DIA. (TS11)</p>	<p><u>CLAY STREET</u></p> <p>NE CORNER, 52' M.A.: 18'-6" DEEP, 36" DIA. (TS10) NW CORNER, 36' M.A.: 16'-0" DEEP, 30" DIA. (TS9) SE CORNER, 26' M.A.: 12'-6" DEEP, 30" DIA (TS8) SW CORNER, 52' M.A.: 18'-6" DEEP, 36" DIA. (TS7)</p>
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THESE DEPTHS HAVE BEEN DETERMINED BY THE DEPARTMENT FROM THE SOIL BORING DATA.
13. CENTER TO CENTER DISTANCE BETWEEN THE CONDUITS, WHERE TWO OR MORE LOOP LEAD -IN CONDUITS ARE INSTALLED FROM THE EDGE OF THE PAVEMENT TO THE NEAREST HANDHOLE, SHALL BE SIX INCHES MINIMUM AT THE EDGE OF PAVEMENT.
14. ABANDON EXISTING CONDUIT AND CABLES IN PLACE.
15. THE BOTTOM OF THE HOUSING OF A VEHICLE FACE SHALL BE AT LEAST 8' ABOVE THE SIDEWALK.
16. ANCHOR BOLTS, NUTS, AND WASHERS REQUIRED WITH TYPE D FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM, "FULL -ACTUATED CONTROLLER AND TYPE IV CABINET".
17. THE CONTRACTOR SHALL INSTALL FOUR (4) GROUND RODS (3/4" X 12') AND #6 A.W.G. BARE COPPER GROUND CONDUCTOR IN THE CONTROLLER FOUNDATION AS PER SPECIAL PROVISION, "CONCRETE FOUNDATION TYPE D".
18. THE CONDUIT QUANTITIES SHOWN ON THE PLANS ARE PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT AND SHOULDER. THE CONTRACTOR AT HIS/HER OPTION MAY UTILIZE CONDUIT PUSHED AND/OR DIRECTIONAL BORING INSTEAD OF TRENCH AND BACK FILL FOR PROPOSED CONDUIT INSTALLATION AT NO ADDITIONAL COST TO THE DEPARTMENT.
19. AN UNDERGROUND CABLE MARKING TAPE SHALL BE INSTALLED WITH ALL TRENCH AND BACK FILL FOR ELECTRICAL WORK IN ACCORDANCE WITH THE ARTICLES 815.03 (d) AND 1066.05 OF THE STANDARD SPECIFICATIONS.
20. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE BINDER COURSE.
21. GROUNDING CONDUCTOR SHALL BE TYPE XLP, NO.6 A.W.G., STRANDED COPPER, GREEN COLOR CODED AND IN ACCORDANCE WITH STANDARD 873001 AND SECTION 873 OF THE STANDARD SPECIFICATIONS.

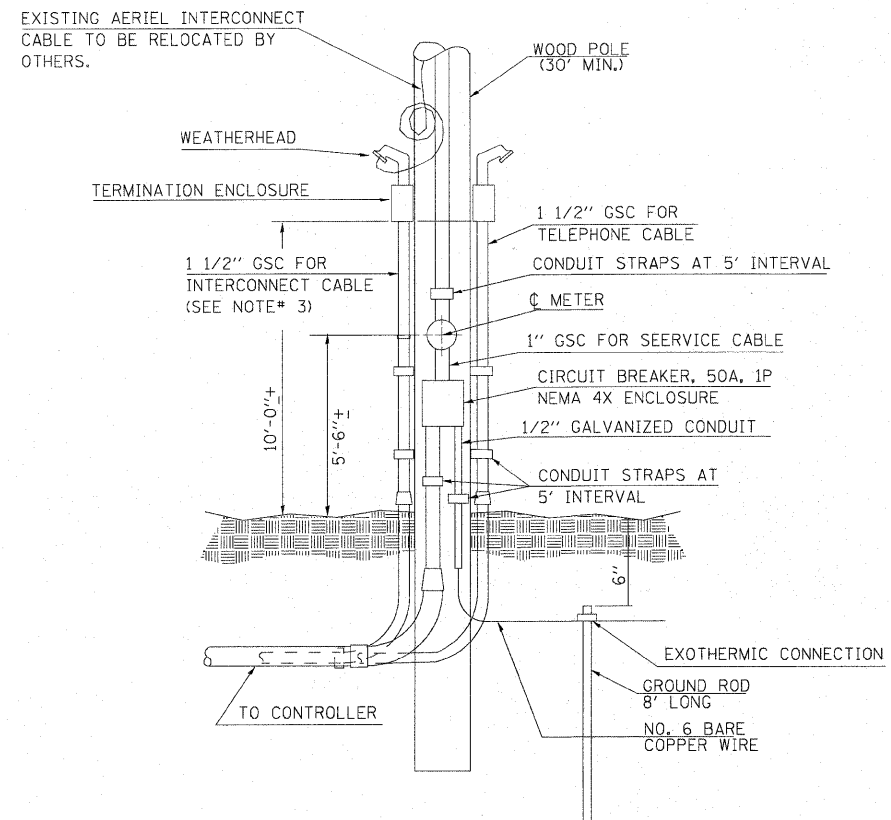
TRAFFIC SIGNALS LEGEND

- | | |
|------|--|
| GSC | GALVANIZED STEEL CONDUIT |
| PVCC | POLYVINYL CHLORIDE CONDUIT |
| | EXISTING SIGNAL POST |
| | EXISTING SIGNAL POST WITH BACK PLATE |
| | EXISTING TRAFFIC SIGNAL MAST ARM |
| | EXISTING HANDHOLE |
| | EXISTING DOUBLE HANDHOLE |
| | EXISTING DETECTOR LOOP |
| | EXISTING CONTROLLER |
| | EXISTING STREET NAME SIGN/TRAFFIC SIGN |
| | EXISTING SERVICE INSTALLATION |
| | EXISTING SIGNAL HEAD, PEDESTRIAN |
| | EXISTING PEDESTRIAN PUSH BUTTON DETECTOR |
| | EXISTING UNDER GROUND CONDUIT |
| | PROPOSED SIGNAL HEAD WITH BACK PLATE, MAST ARM MOUNTED |
| | PROPOSED HANDHOLE |
| | PROPOSED DOUBLE HANDHOLE |
| | PROPOSED DETECTOR LOOP |
| | PROPOSED CONTROLLER |
| | PROPOSED PEDESTRIAN PUSH BUTTON DETECTOR |
| | PROPOSED SIGNAL HEAD, PEDESTRIAN |
| | PROPOSED CONDUIT: "T" TRENCH, "P" PUSH, SIZE SPECIFIED |
| | PROPOSED STREET NAME SIGN/TRAFFIC SIGN |
| | PROPOSED SERVICE INSTALLATION |
| | PROPOSED SIGNAL POST |
| | PROPOSED SIGNAL HEAD W/O BACK PLATE |
| | PROPOSED SIGNAL HEAD W/ WITH BACK PLATE |

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRICAL GENERAL NOTES AND LEGEND	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\Projects\5135281\CADD\DCN\0876054-shr	ts.dgn	DRAWN -	REVISED -			600	60-(30,31,128) -N-1	MADISON	152	91	
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76D54					
	PLOT DATE = 6/16/2010	DATE -	REVISED -			SCALE: NONE	SHEET NO. 2 OF 9 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



DETAIL
SERVICE INSTALLATION
TYPE A
NOT TO SCALE
IL 159 AT E. MAIN ST.



DETAIL
SERVICE INSTALLATION
TYPE A
NOT TO SCALE
IL 159 AT E. CLAY ST.

NOTES:

1. VERTICAL CONDUIT SECTIONS ATTACHED TO THE SERVICE POLE AND TERMINATION ENCLOSURE BOX SHALL BE INCLUDED IN THE PROPOSED SERVICE INSTALLATION COST.
2. THE INTERCONNECT CABLE REMOVAL AND REINSTALLATION SHALL BE PAID FOR AS REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ATTACHMENT FOR UTILITY COMPANY'S SERVICE POLE TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANY.

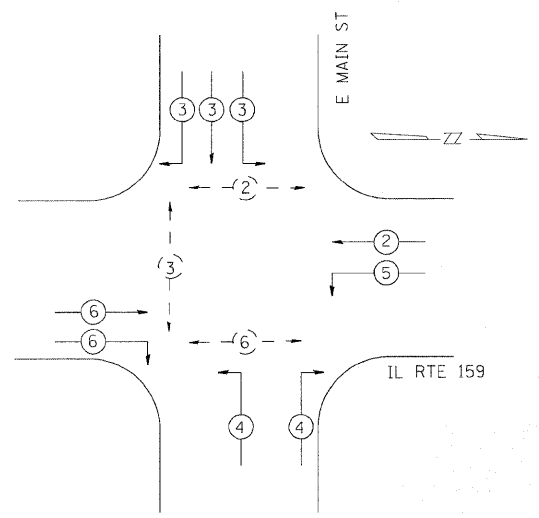
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

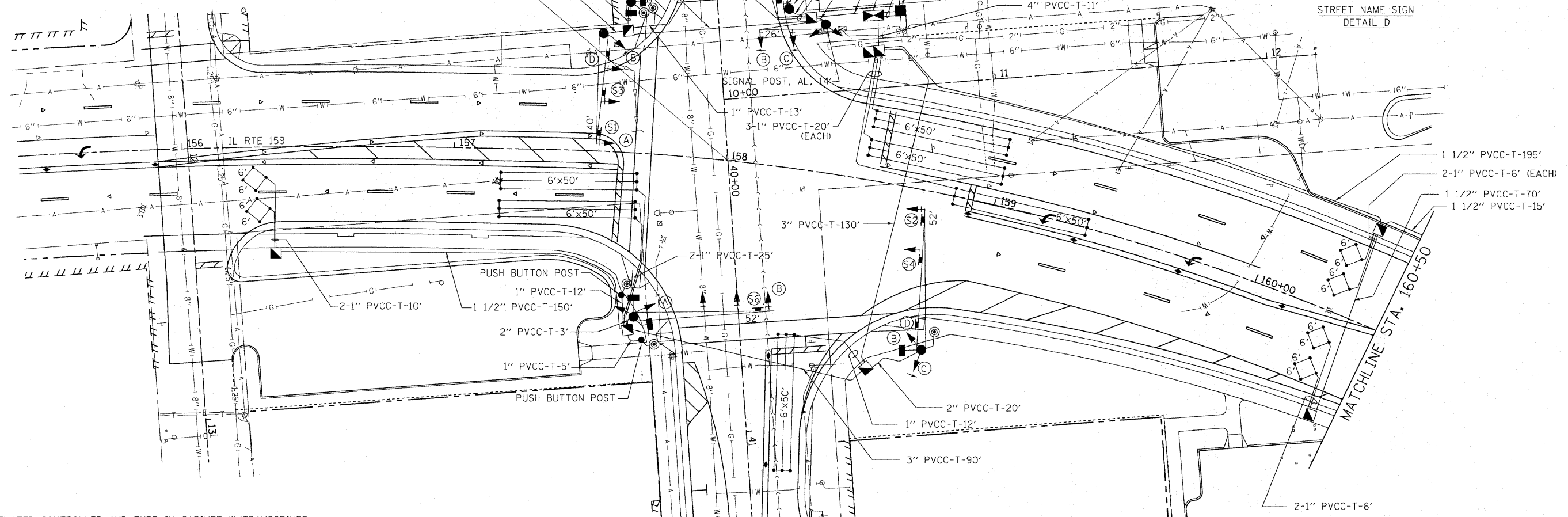
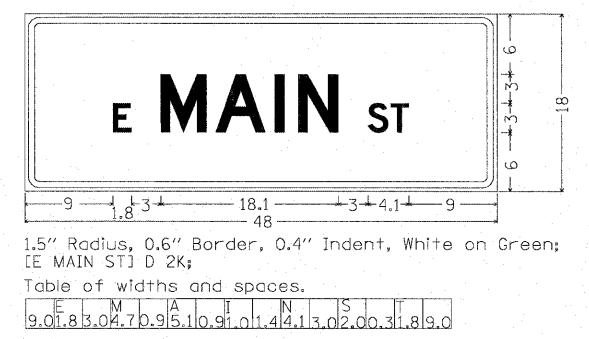
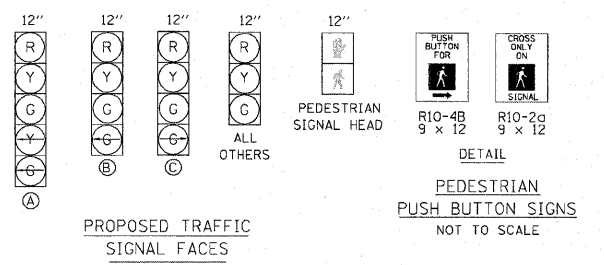
TRAFFIC SIGNALS
IL-159 AND E. CLAY STREET

SCALE: NONE SHEET NO. 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128) -N-1	MADISON	152	92
CONTRACT NO. 76D54				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



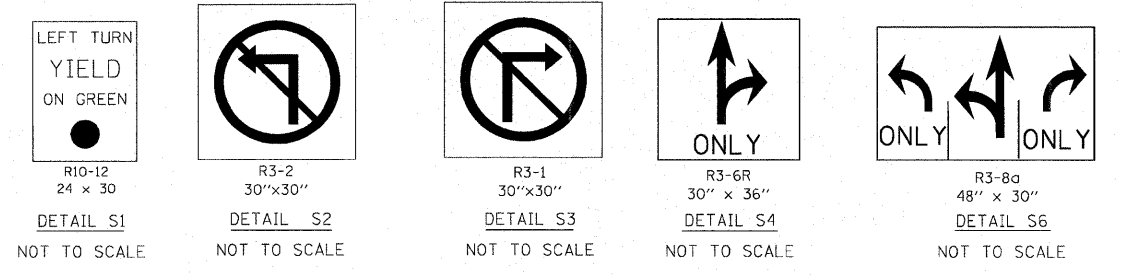
PHASE DESIGNATION DIAGRAM



FULL-ACTUATED CONTROLLER AND TYPE IV CABINET W/TRANSCEIVER

PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT	↓	↓	↓	L	↓	NOT	NOT
CONCURRENT MOVEMENT PERMITTED	USED	5 OR 6	NONE	NONE	2	2	USED	USED

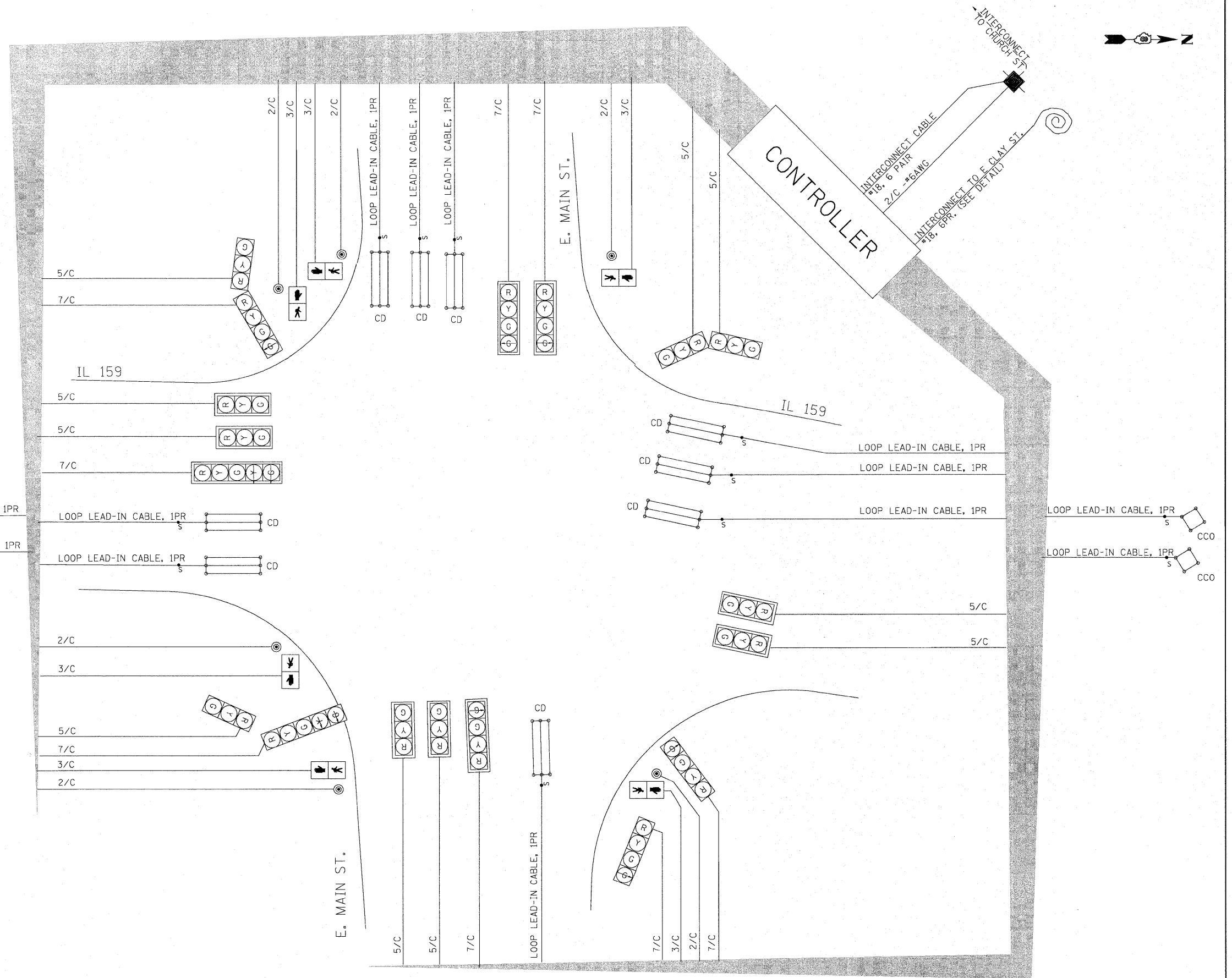
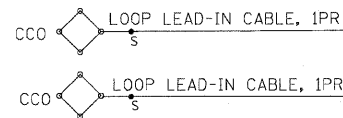
* PEDESTRIAN MOVEMENT DISPLAY UPON ACTUATION ONLY.



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL-159 AND E. MAIN ST.

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
NB CCO	6	6X6	6	356	2.66
NB CCO	6	6X6	6	356	2.66
NB CD	6	6X50	3-6-3	858	3.24
NB CD	6	6X50	3-6-3	858	3.24
SB CCO	2	6X6	5	228	1.64
SB CCO	2	6X6	5	228	1.64
SB LT TURN LN CD	5	6X50	3-6-3	812	2.19
SB THRU LN CD	2	6X50	3-6-3	803	1.98
SB THRU LN CD	2	6X50	3-6-3	803	1.98
EB LT TURN LN CD	3	6X50	3-6-3	802	1.95
EB THRU LN CD	3	6X50	3-6-3	803	1.99
EB RT TURN LN CD	3	6X50	3-6-3	818	2.32
WB CD	4	6X50	3-6-3	832	2.65

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.



- CABLE DIAGRAM LEGEND**
- ELECTRIC CABLE IN CONDUIT
 - s— CABLE SPLICE
 - 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
 - CD CALL DELAY (SEE GENERAL NOTES)
 - CCO CALL CARRY OVER (SEE GENERAL NOTES)
 - SERVICE INSTALLATION
 - #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

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	PLOT SCALE = 20.0020' / IN.	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE DIAGRAM-E. MAIN STREET @ IL RTE. 159

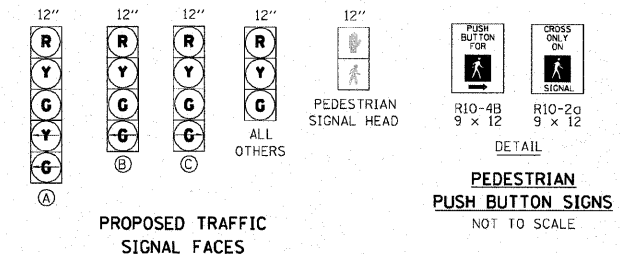
SCALE: SHEET NO. 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128) -N-1	MADISON	152	94
CONTRACT NO. 76D54				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

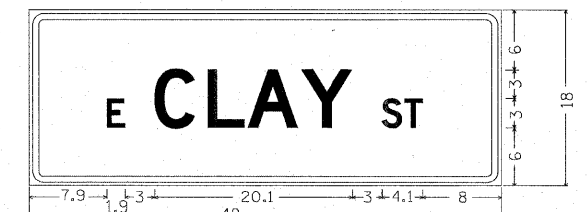
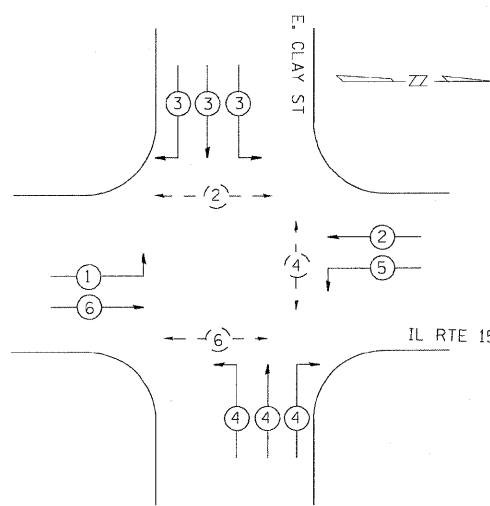
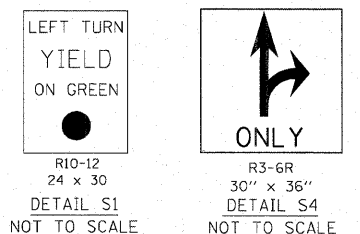
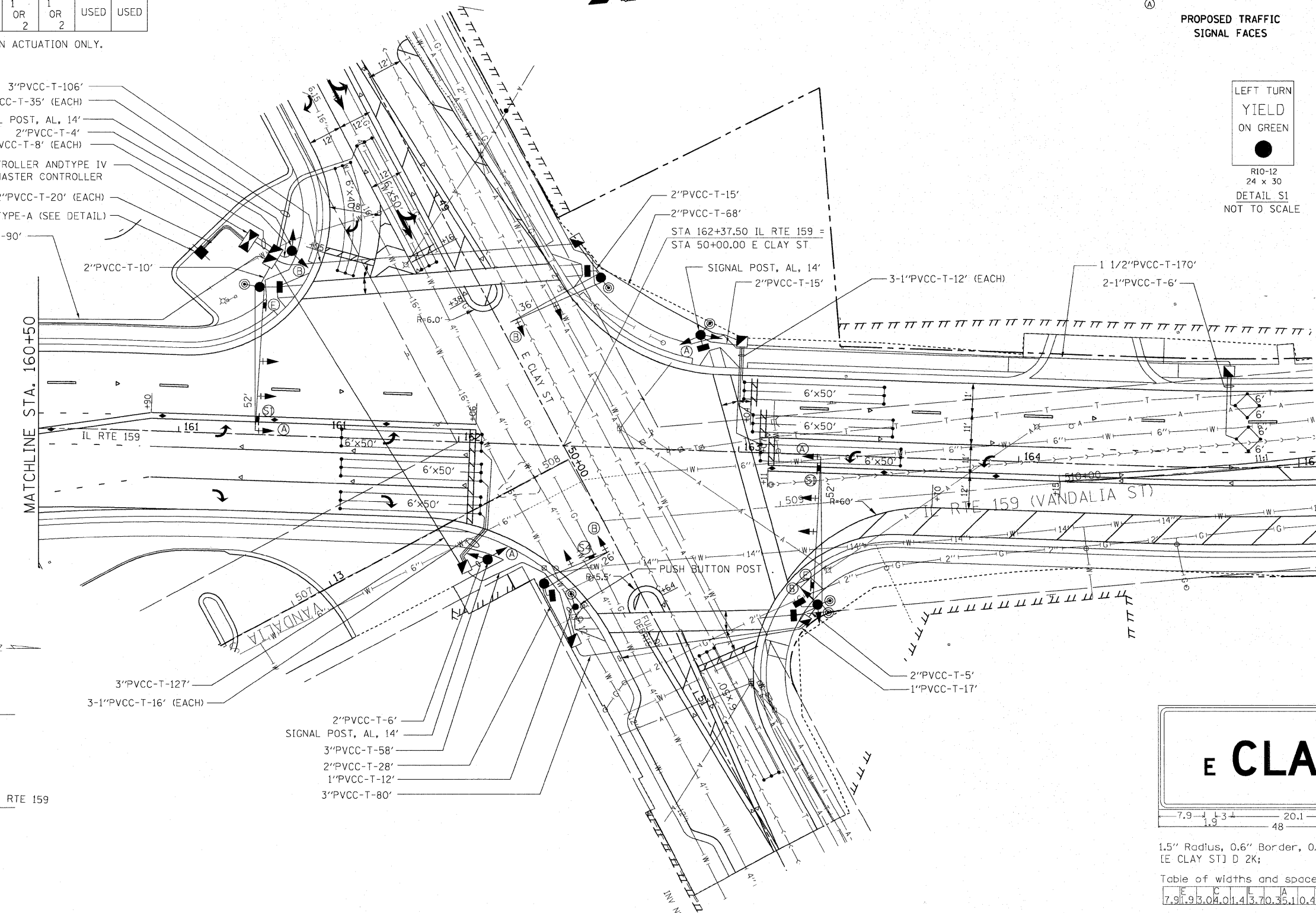
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
WITH MASTER CONTROLLER AND TRANSCEIVER

PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT	
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2	USED	USED

* PEDESTRIAN MOVEMENT DISPLAY UPON ACTUATION ONLY.



- 3"PVCC-T-106'
- 2-1"PVCC-T-35' (EACH)
- SIGNAL POST, AL, 14'
- 2"PVCC-T-4'
- 2-4"PVCC-T-8' (EACH)
- TRAFFIC SIGNAL CONTROLLER AND TYPE IV CABINET W/SYSTEM MASTER CONTROLLER
- 3-1 1/2"PVCC-T-20' (EACH)
- SERVICE INSTALLATION TYPE-A (SEE DETAIL)
- 1 1/2"PVCC-T-90'



1.5" Radius, 0.6" Border, 0.4" Indent, White on Green; E CLAY ST D 2K;

Table of widths and spaces.

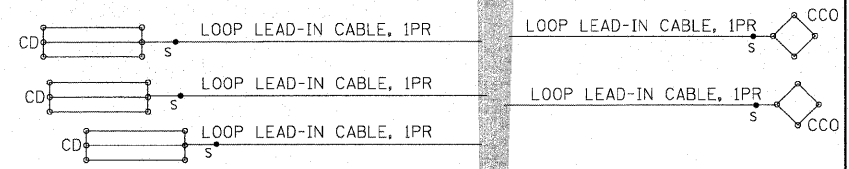
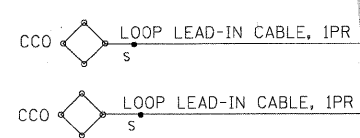
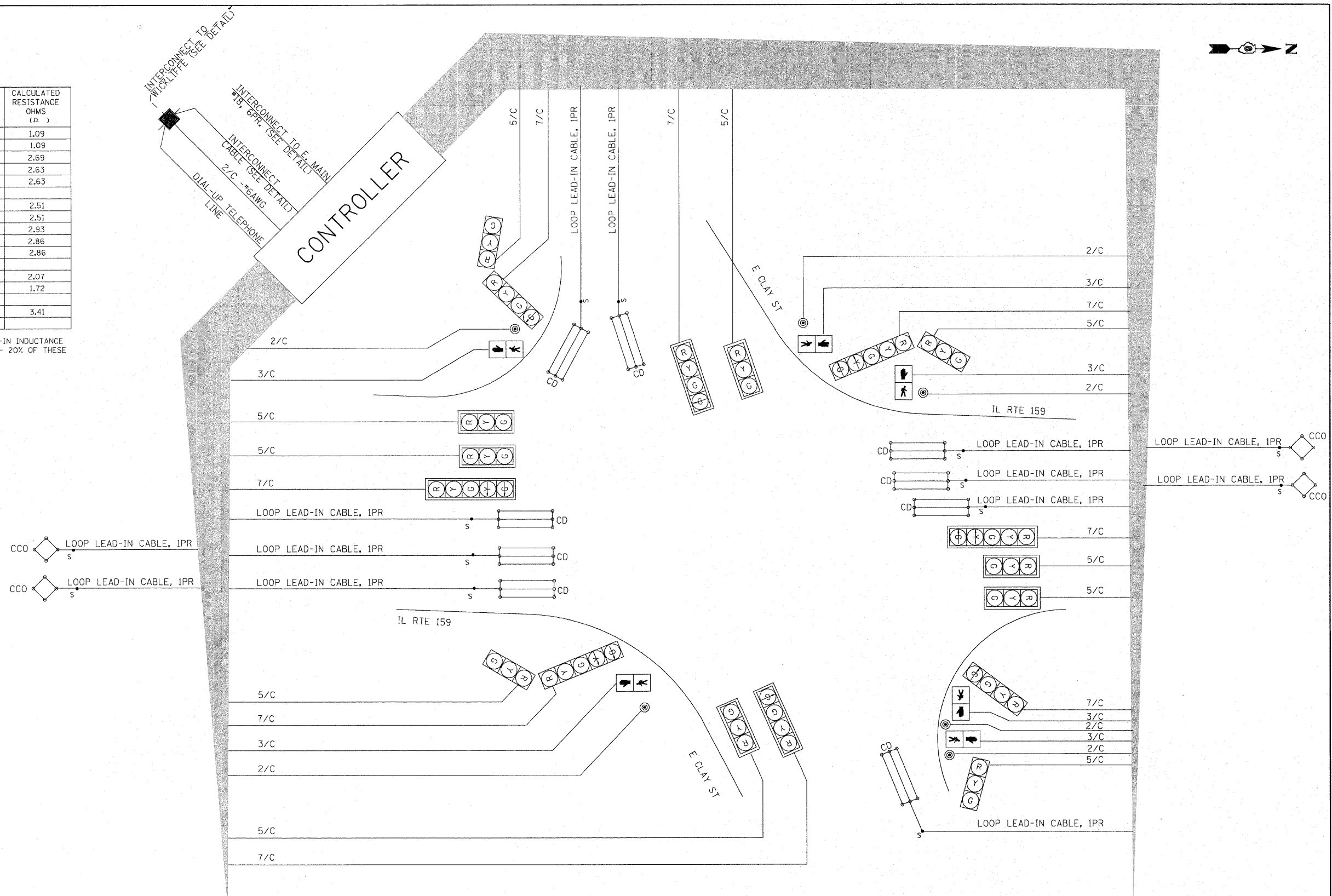
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1.0	4.5	2.3	0.2	0.0	2.1	9.8
0						



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL-159 AND E. CLAY ST.

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
NB CCO	6	6X6	4	141	1.09
NB CCO	6	6X6	4	141	1.09
NB LT TURN LN CD	1	6X50	3-6-3	834	2.69
NB THRU LN CD	6	6X50	3-6-3	831	2.63
NB THRU LN CD	6	6X50	3-6-3	831	2.63
SB CCO	2	6X6	6	349	2.51
SB CCO	2	6X6	6	349	2.51
SB LT TURN LN CD	5	6X50	3-6-3	845	2.93
SB THRU LN CD	2	6X50	3-6-3	842	2.86
SB THRU LN CD	2	6X50	3-6-3	842	2.86
EB THRU LN CD	3	6X50	3-6-3	807	2.07
EB RT TURN LN CD	3	6X40	3-6-3	655	1.72
WB CD	4	6X50	3-6-3	866	3.41

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.



- CABLE DIAGRAM LEGEND**
- ELECTRIC CABLE IN CONDUIT
 - s— CABLE SPLICE
 - 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
 - CD CALL DELAY (SEE GENERAL NOTES)
 - CCO CALL CARRY OVER (SEE GENERAL NOTES)
 - SERVICE INSTALLATION
 - #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

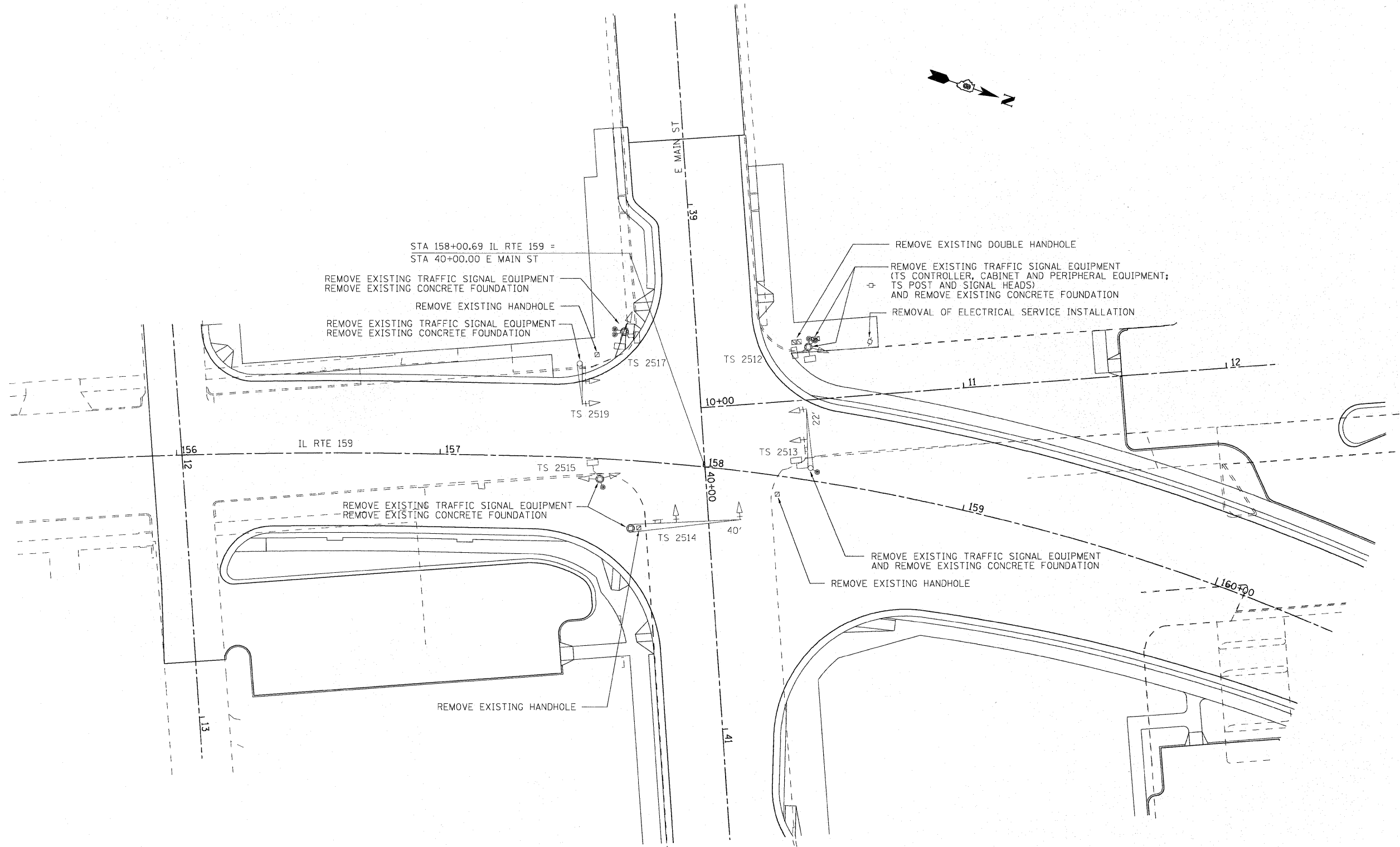
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABLE DIAGRAM-E. CLAY STREET @ IL RTE. 159

SCALE: SHEET NO. 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128) -N-1	MADISON	152	96
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76D54	

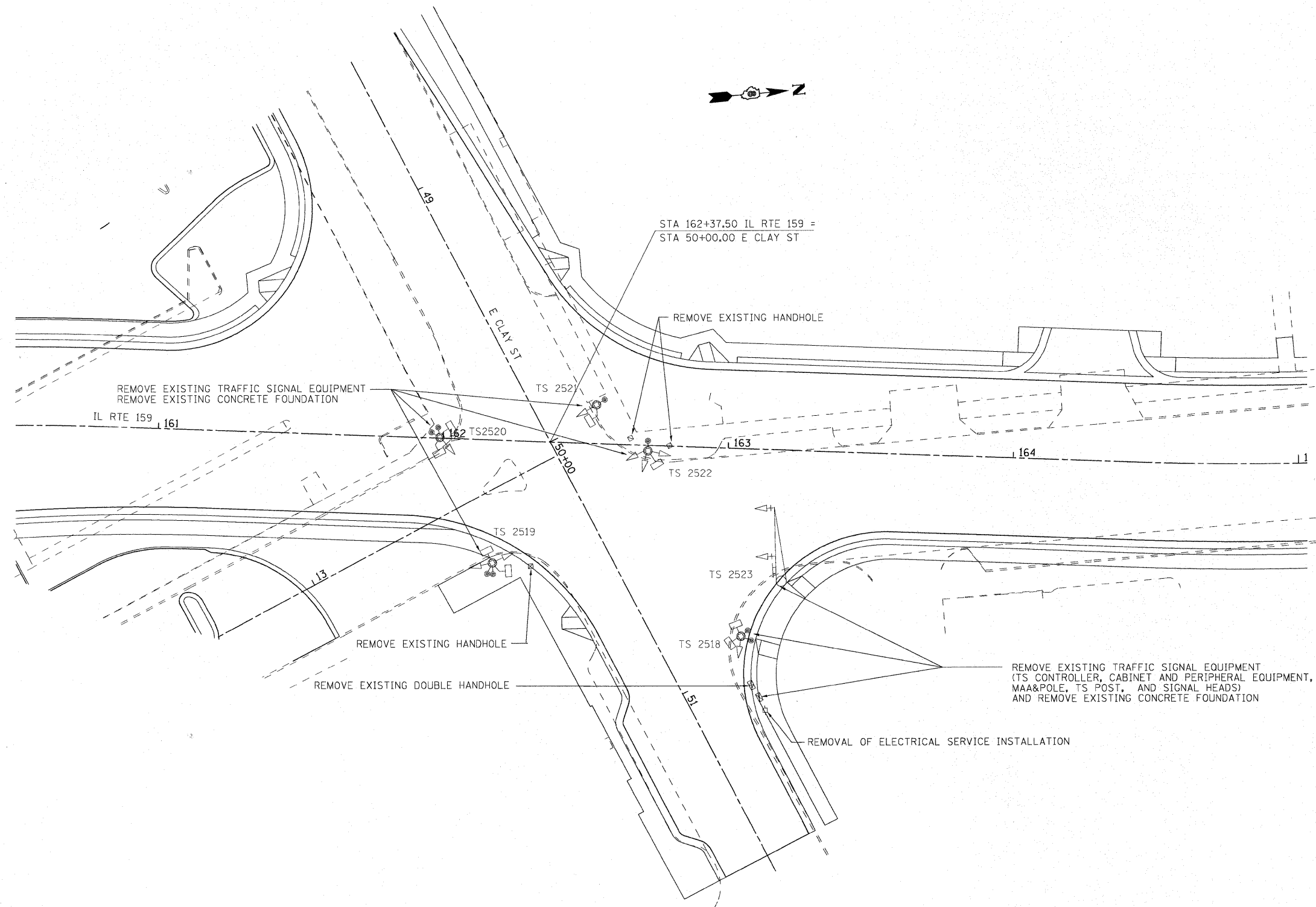


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	PLOT DATE = 6/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TRAFFIC SIGNAL REMOVAL PLAN E MAIN STREET @ IL RTE 159			
SCALE: 1" = 20'	SHEET NO. 8 OF 9 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	97
CONTRACT NO. 76D54				
[ILLINOIS] FED. AID PROJECT				



FILE NAME = P:\Projects\513521\CADD\GNS\0876054-shr	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL REMOVAL PLAN E CLAY STREET @ IL RTE 159			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ts.dgn	DRAWN -	REVISED -		600	60-(30,31,128)-N-1	MADISON	152	98			
	PLOT SCALE = 20.0020' / IN.	CHECKED -	REVISED -		SCALE: 1" = 20'			SHEET NO. 9 OF 9 SHEETS		STA.	TO STA.	CONTRACT NO. 76054
PLOT DATE = 6/16/2010	DATE -	REVISED -	REVISED -	ILLINOIS FED. AID PROJECT								

LUMINAIRE SCHEDULE							
STATION (TO CENTER OF STRUCT.)	OFFSET	LIGHT POLE FDN SPL (FOOT)	SINGLE ST LT & POLE --SA (EACH)	SINGLE ST LT & POLE --SB (EACH)	RELOC EXIST LT UNIT (EACH)	REM POLE FND (EACH)	ELEC SERV INSTALL SP (EACH)
154+67	38' RT	8		1			
154+70	40' LT	8		1			
155+41	38' LT	6.5	1				
155+42	37' RT	6.5	1				
156+46	32' LT	6.5	1				
156+52	38' RT	6.5	1				
156+99	38' RT	6.5	1				
157+28	35' LT	6.5	1				
157+61	46' RT	8		1			
157+68	56' LT				1	1	
157+70	63' LT	8		1			
157+96	127' RT	6.5	1				
158+15	64' LT				1	1	
158+18	60' LT	6.5	RELOC FROM 158+15				
158+50	118' RT	6.5	1				
158+52	38' LT	8		1			
158+60	72' RT	8		1			
159+30	38' LT	6.5	1				
159+60	47' RT	6.5	1				
159+99	39' LT	6.5	1				
160+39	42' RT	6.5	1				
160+62	89' LT	8		1			
160+87	96' RT	8		1			
161+08	124' LT	6.5	1				
161+18	42' LT	8		1			
161+22	38' RT	6.5	1				
161+91	38' RT	6.5	1				
161+92	153' LT	6.5	1				
162+40	81' LT	8		1			
162+43	82' LT						1
162+59	80' RT	8		1			
163+11	38' LT	6.5	1				
163+29	102' RT	6.5	1				
163+72	38' RT	6.5	1				
163+94	36' LT	6.5	1				
164+40	38' RT	6.5	1				
164+69	38' LT	6.5	1				
165+10	38' RT	6.5	1				
165+51	38' LT	6.5	1				
165+91	37' RT	6.5	1				
166+31	37' LT	6.5	RELOC FROM 157+68				
166+56	40' RT	8		1			
167+46	37' RT	8		1			
167+47	38' LT	8		1			
167+81	32' RT	6.5	1				
TOTALS		294	26	14	2	2	1

SUMMARY OF RACEWAY, CONDUCTORS, TRENCHING AND BACKFILL											
LOCATION		CONDUCTORS (FEET)				CONDUIT (FEET)		TRENCH AND BACKFILL FOR ELECTRICAL WORK (FEET)	PUSHED CONDUIT (FEET)		
FROM	TO	#4	#6	#8	#10	1"	1 1/4"		1"	1 1/4"	
154+70	155+41 40' LT			168	84	76		72			
155+41	156+46 38' LT			488	122				112		
156+46	157+28 32' LT			392	98	88		84			
157+28	157+70 35' LT		280		70	60		56			
157+70	158+18 63' LT		264		66			56			
158+18	158+52 60' LT		240	120	60		50	46			
158+52	159+30 38' LT		384	192	96		86	82			
159+30	159+99 38' LT		344	172	86		76	72			
159+99	161+18 39' LT		544	272	136		126	122			
161+18	161+08 42' LT			388	97	87		83			
161+08	160+62 124' LT			146	73	63		59			
161+18	162+43 42' LT		600	300	150				135		
154+67	155+42 38' RT				267	79		75			
155+42	156+52 37' RT			492	123				113		
156+52	156+99 38' RT		120	120	60	50		46			
156+99	157+61 38' RT		308		77	67		63			
157+61	157+96 46' RT			206	309	93		89			
157+61	158+60 46' RT	220	220	110					100		
158+60	158+50 72' RT		126		189	93		49			
158+60	159+60 72' RT	232	232	116			106	102			
159+60	160+39 47' RT	178	356	89			79	75			
160+39	160+87 42' RT				258	76		72			
160+39	161+22 42' RT	372	186	93			83	79			
161+22	161+91 38' RT	336	168	84			74	70			
161+91	162+43 38' RT		608	304	152				137		
161+92	162+40 153' LT			420	105	95		91			
162+40	162+43 81' LT		88		22		7	3			
162+40	163+11 81' LT		208	208	104	94		90			
163+11	163+94 38' LT		194	194	97	87		83			
163+94	164+69 36' LT		178	178	89	79		75			
164+69	165+51 38' LT		186	186	93	83		79			
165+51	166+31 38' LT		190	190	95	85		81			
166+31	167+47 37' LT			262	131				121		
163+72	162+43 38' RT		784		196				181		
163+72	163+29 38' RT			234	351	107		103			
163+29	162+59 102' RT				231				77		

SUMMARY OF RACEWAY, CONDUCTORS, TRENCHING AND BACKFILL (CONT.)											
LOCATION		CONDUCTORS (FEET)				CONDUIT (FEET)		TRENCH AND BACKFILL FOR ELECTRICAL WORK (FEET)	PUSHED CONDUIT (FEET)		
FROM	TO	#4	#6	#8	#10	1"	1 1/4"		1"	1 1/4"	
163+72	164+40 38' RT		166	166	83	73		69			
164+40	165+10 38' RT		174	174	87	77		73			
165+10	165+91 38' RT		196	196	98	88		84			
165+91	166+56 37' RT		158	158	79	69		65			
166+56	167+46 40' RT		208	208	104				94		
167+46	167+81 37' RT		100	100	50	40		36			
TOTALS		1338	7810	7126	4588	1809	687	2328	754	372	



Bruce Coleman
BRUCE COLEMAN

DATE: 6/18/10

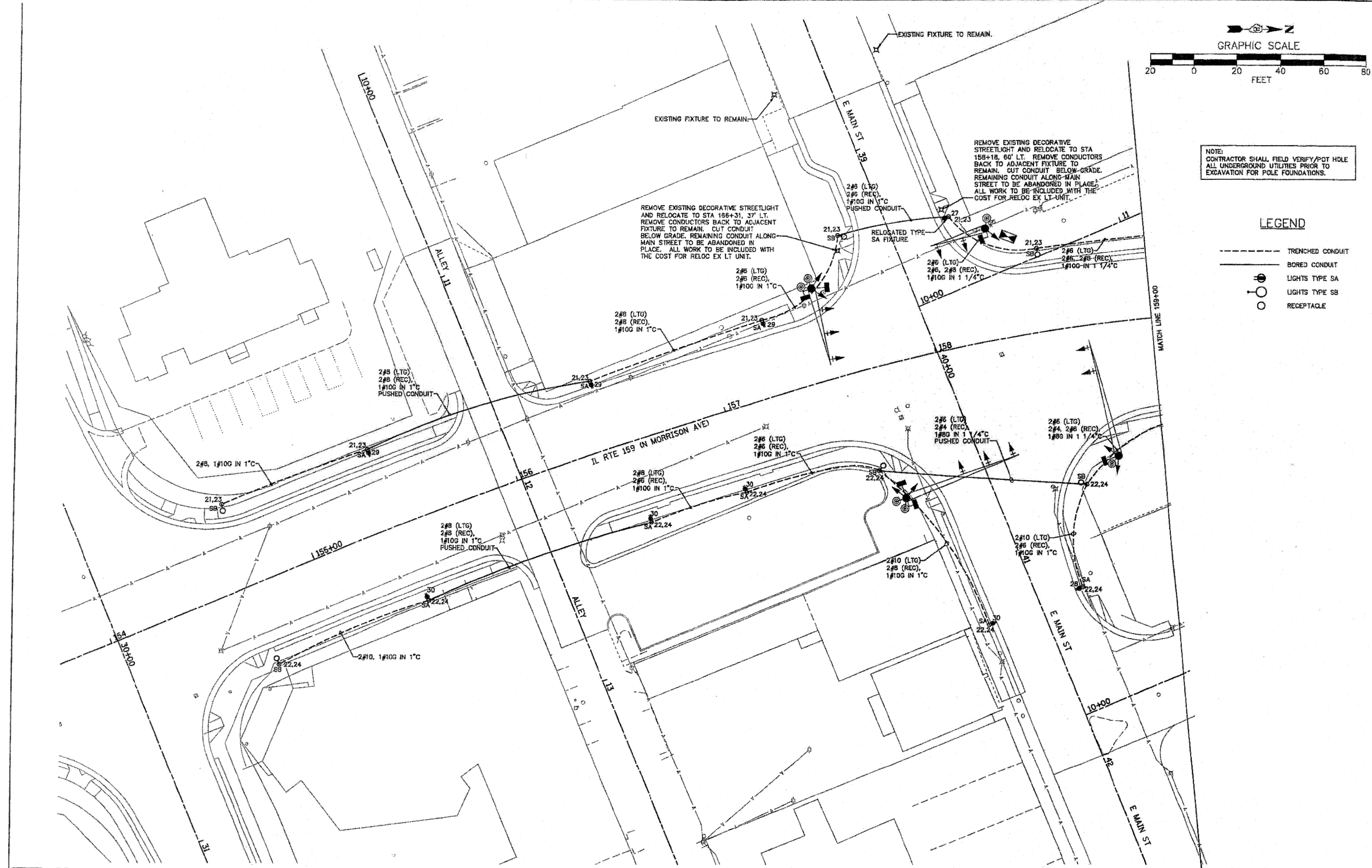
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		DRAWN -	REVISED -			600	60-(30,31,128)-N-1	MADISON	152	99A
		CHECKED -	REVISED -			SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. 154+60 TO STA. 168+47	CONTRACT NO. 76D54	
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



NOTE:
CONTRACTOR SHALL FIELD VERIFY/POT HOLE
ALL UNDERGROUND UTILITIES PRIOR TO
EXCAVATION FOR POLE FOUNDATIONS.

LEGEND

- TRENCHED CONDUIT
- BORED CONDUIT
- ⊙ LIGHTS TYPE SA
- ⊙ LIGHTS TYPE SB
- RECEPTACLE



FILE NAME =
H:\P\10002\DWG\from Data\3.30.2018\Sheet.dwg

USER NAME =

PLOT SCALE =

PLOT DATE = 3/10/2018

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

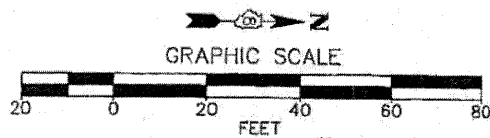
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREETSCAPE LIGHTING PLAN

SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. 154+60 TO STA. 159+00

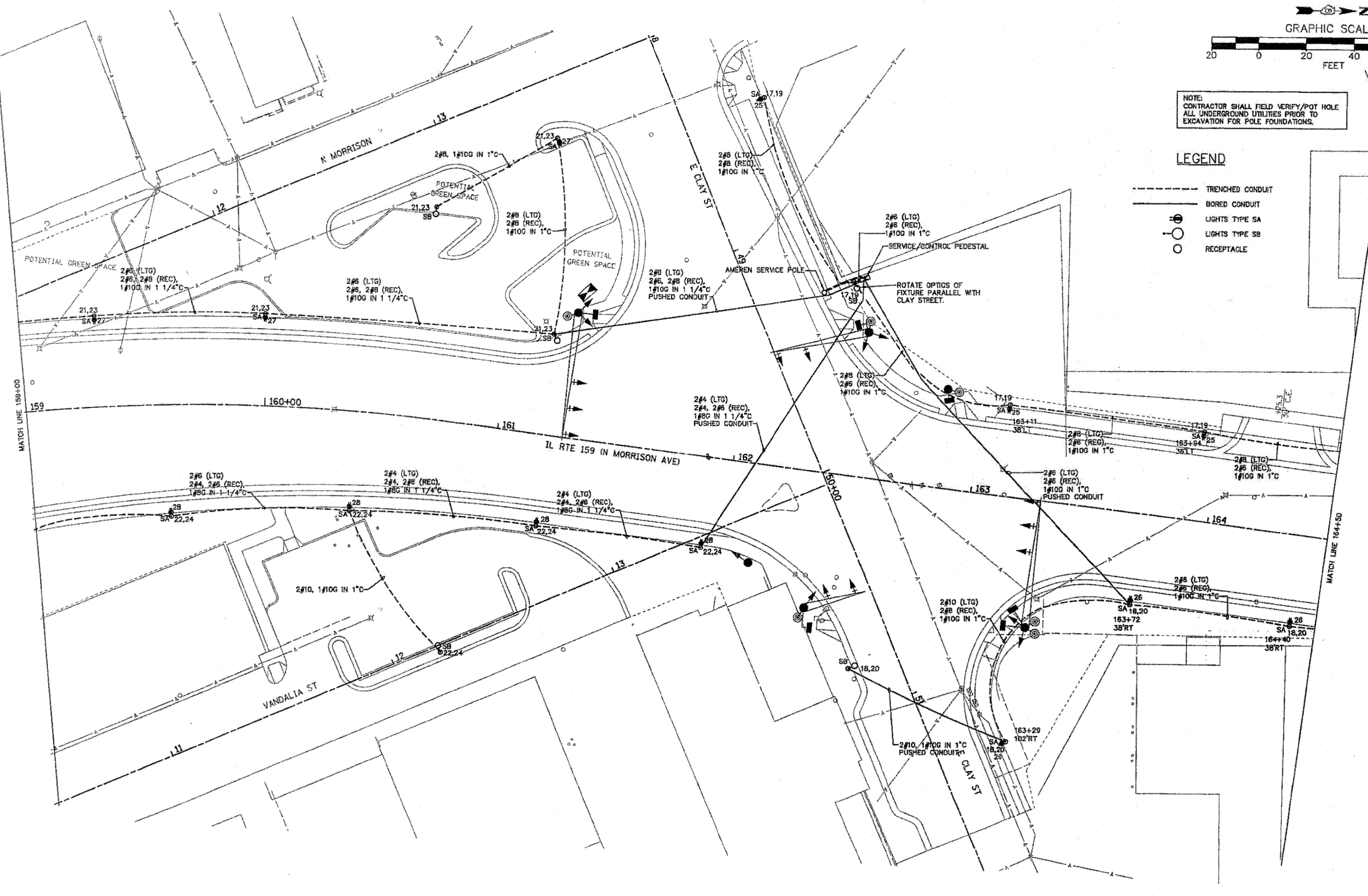
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600	60-(30,31,128)-N-1	MADISON	152	99B
CONTRACT NO. 76054			ILLINOIS FED. AID PROJECT	



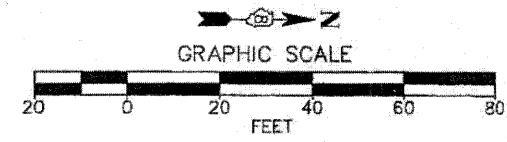
NOTE:
CONTRACTOR SHALL FIELD VERIFY/POT HOLE
ALL UNDERGROUND UTILITIES PRIOR TO
EXCAVATION FOR POLE FOUNDATIONS.

LEGEND

- TRENCHED CONDUIT
- BORED CONDUIT
- ⊙ LIGHTS TYPE SA
- LIGHTS TYPE SB
- RECEPTACLE



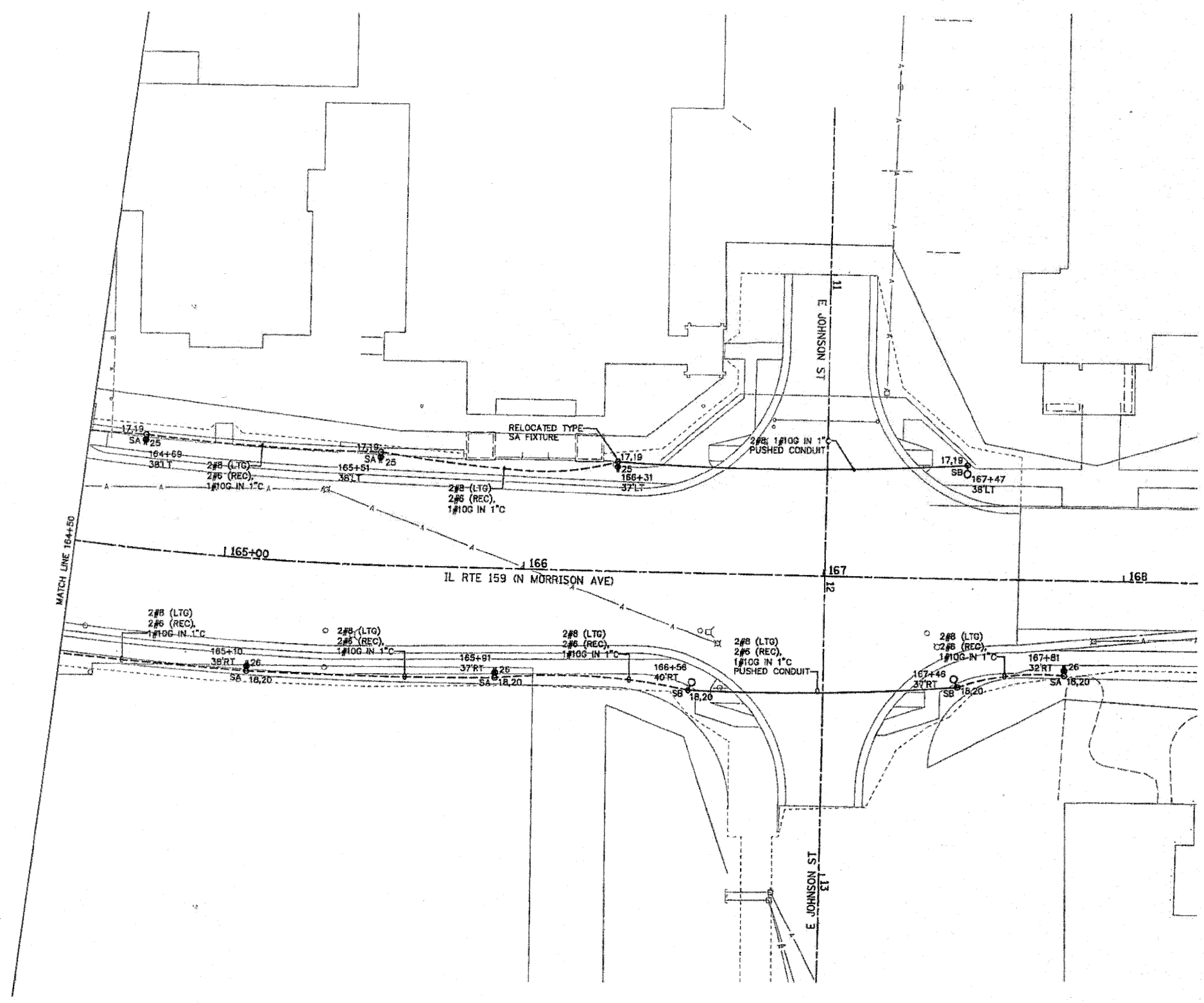
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PLOT SCALE =	DATE	DRAWN -	REVISED -			SCALE: 1"=20'	SHEET NO. 2 OF 3 SHEETS	STA. 159+00 TO STA. 164+50	CONTRACT NO. 76054		
PLOT DATE = 3/18/2018		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE	REVISED								



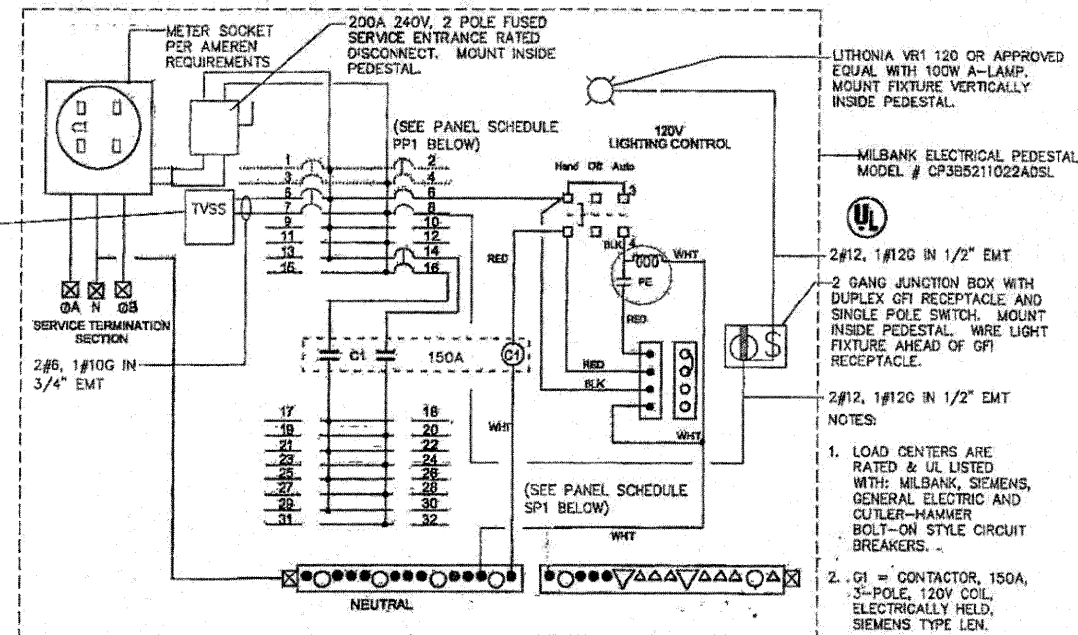
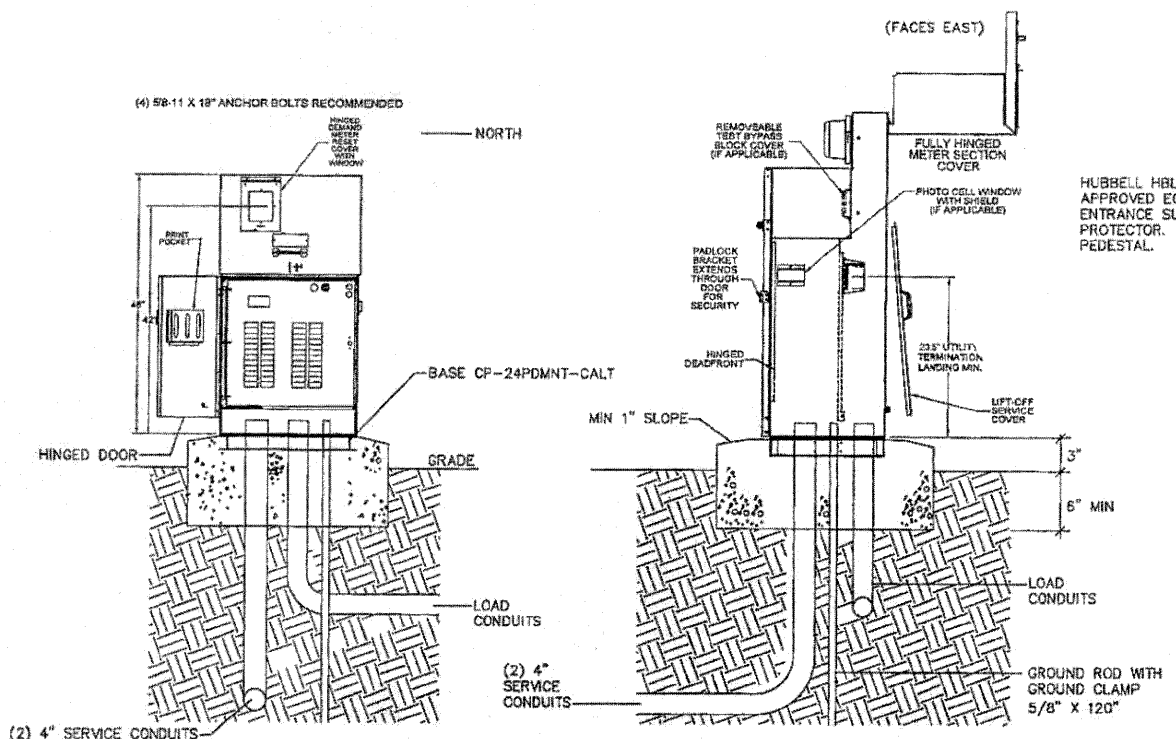
NOTE:
CONTRACTOR SHALL FIELD VERIFY/POT HOLE
ALL UNDERGROUND UTILITIES PRIOR TO
EXCAVATION FOR POLE FOUNDATIONS.

LEGEND

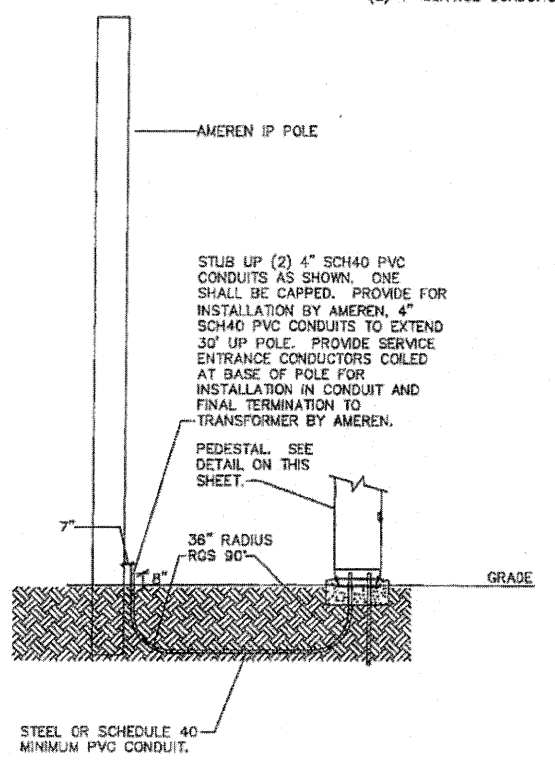
- TRENCHED CONDUIT
- BORED CONDUIT
- ⊙ LIGHTS TYPE SA
- LIGHTS TYPE SB
- RECEPTACLE



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STREETSCAPE LIGHTING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -		SCALE: 1"=20'	SHEET NO. 3 OF 3 SHEETS	STA. 164+50 TO STA. 168+47	CONTRACT NO. 76054				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

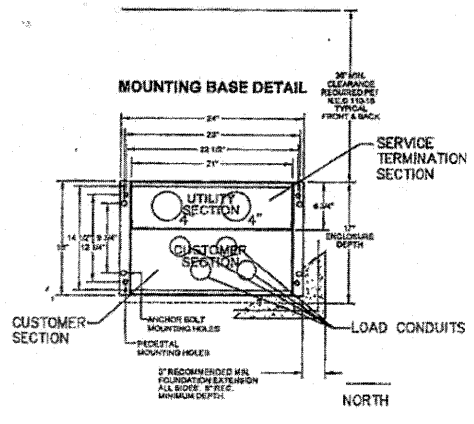


WIRING DIAGRAM
NO SCALE



ELECTRICAL SERVICE SPECIAL
NO SCALE

(PER AMEREN IP ELECTRIC DISTRIBUTION
STANDARD FORM 305-69)



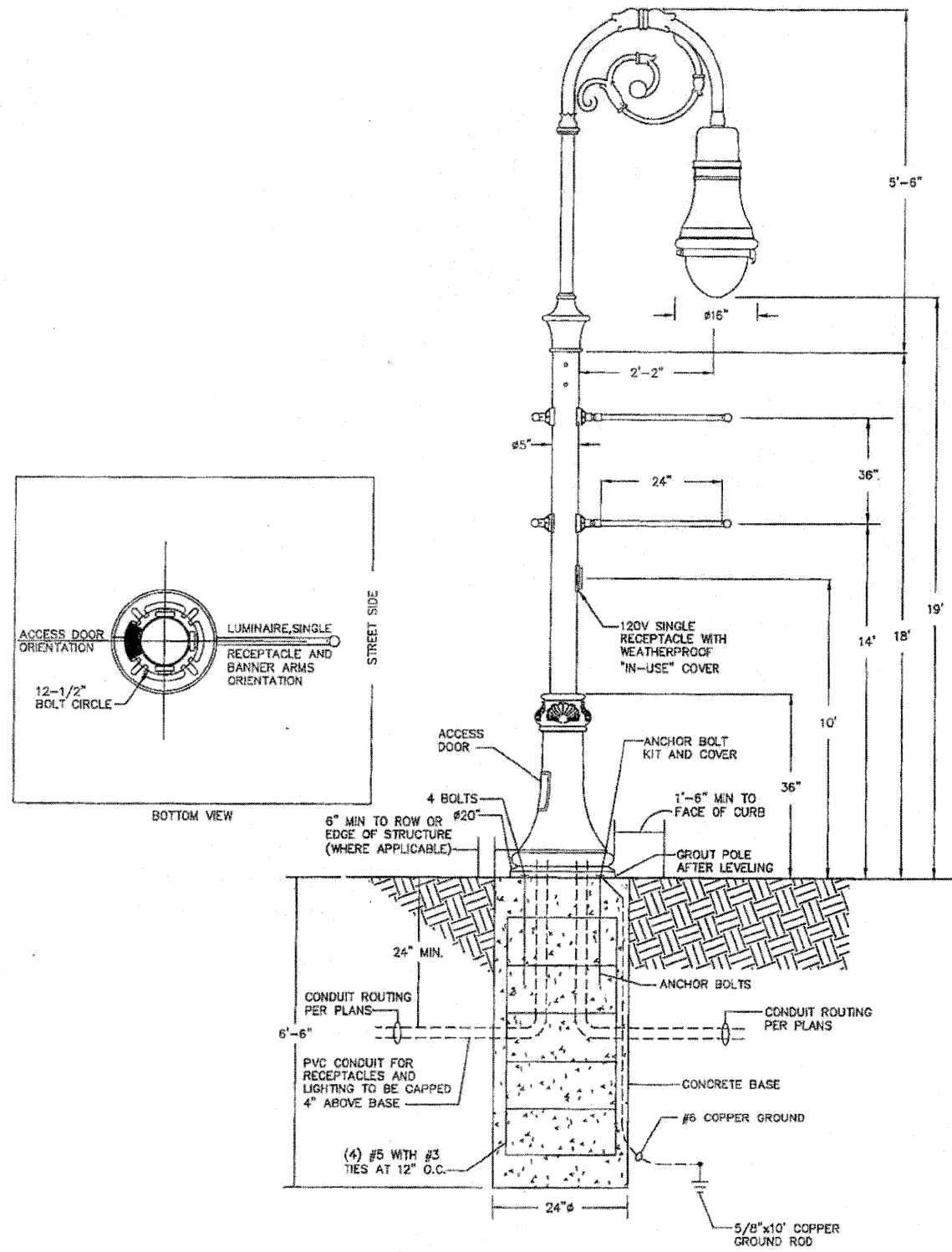
PEDESTAL DETAIL
NO SCALE

PANEL NO: PP1								22000 AIC	
VA	FUNCTION	SIZE	CKT	PH	CKT	SIZE	FUNCTION	VA	
-	MAIN	200A/2P	1	A	2		SPACE		
-			3	B	4		SPACE		
-	TVSS	60A/2P	5	A	6	20A/1P	CONTROL CIRCUIT	50	
-			7	B	8	20A/1P	PEDESTAL RECPT/LT	280	
	SPACE		9	A	10		SPACE		
	SPACE		11	B	12		SPACE		
	SPACE		13	A	14		SPACE		9352
	SPACE		15	B	16	150A/2P	PANEL SP1		7732
PHASE		A	B		TOTALS		VOLTS: 120/240V, 1φ, 3W		
VOLTAMPS		9402	8012		17414				
MAINS:		200 AMP MAIN BREAKER		POLES: 16 POSITIONS		MOUNTING: INSIDE PEDESTAL			

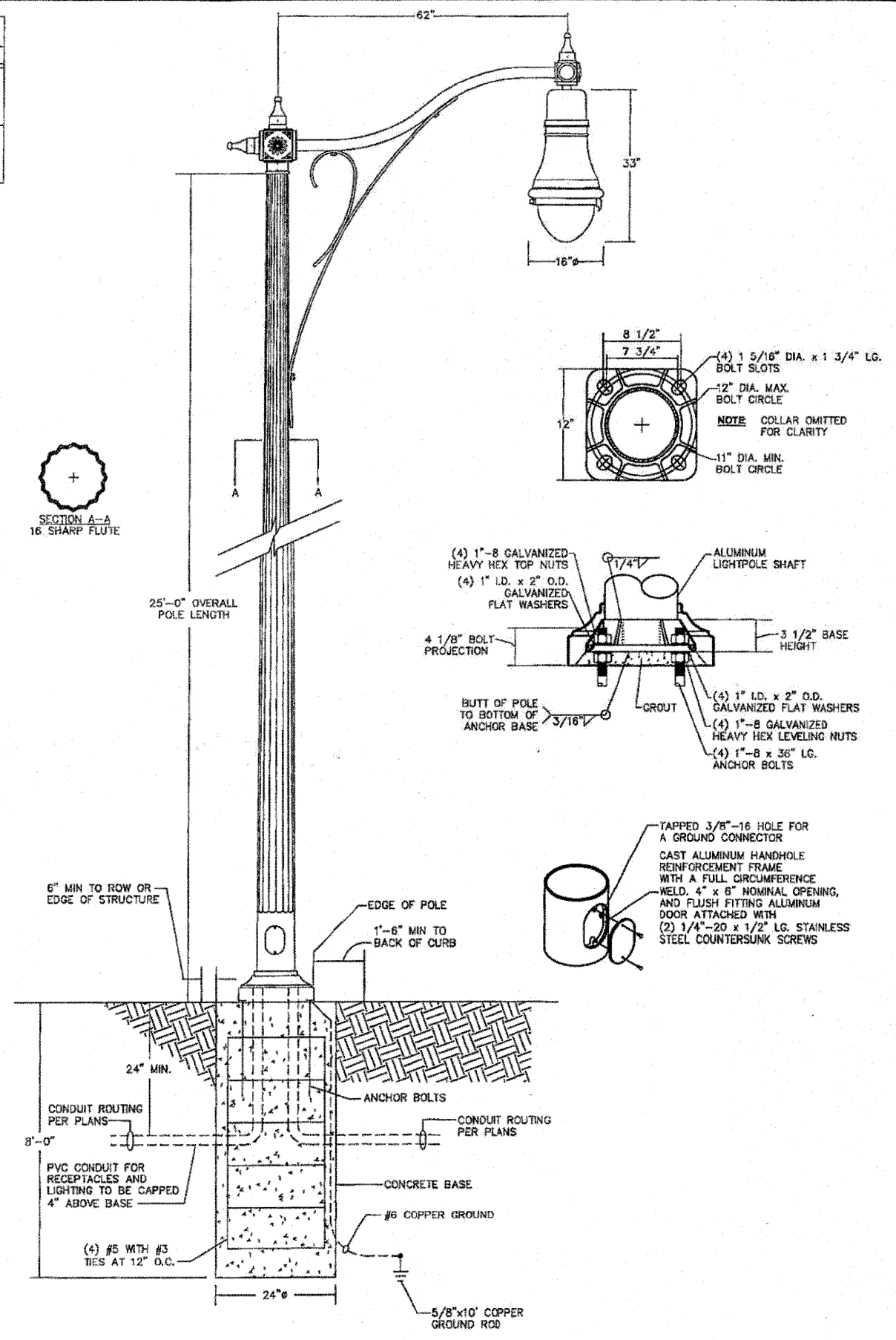
PANEL NO: SP1 (SWITCHED PORTION OF PANEL)								22000 AIC	
VA	FUNCTION	SIZE	CKT	PH	CKT	SIZE	FUNCTION	VA	
1164	STREET LIGHTS - WEST SIDE OF RT.	20A/2P	17	A	18	20A/2P	STREET LIGHTS - EAST SIDE OF RT.	1310	
1164	159		19	B	20		159	1310	
1746	STREET LIGHTS - WEST SIDE OF RT.	20A/2P	21	A	22	20A/2P	STREET LIGHTS - EAST SIDE OF RT.	1892	
1746	159		23	B	24		159	1892	
1080	RECEPTACLES - W	20A/1P	25	A	26	20A/1P	RECEPTACLES - E	900	
720	RECEPTACLES - W	20A/1P	27	B	28	20A/1P	RECEPTACLES - E	900	
540	RECEPTACLES - W	20A/1P	29	A	30	20A/1P	RECEPTACLES - E	720	
0	SPARE	20A/1P	31	B	32	20A/1P	SPARE	0	
PHASE		A	B		TOTALS		VOLTS: 120/240V, 1φ, 3W		
VOLTAMPS		9352	7712		17064				
MAINS:				POLES: 16 POSITIONS		MOUNTING: INSIDE PEDESTAL			

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG No.	VOLTAGE	LAMPS	MOUNTING	DESCRIPTION & REMARKS
SA	HCI F187-L-EPC-250PSMH-QT-BL3-A361-1A-MOD P454-5PC-18-SRT-BA1-BBMX2-RAL9011	240	(1) 250W PSMH	POLE	CITY OF COLLINSVILLE STANDARD FIXTURE. SEE DETAIL ON THIS SHEET FOR INSTALLATION. PROVIDE (1) GFCI RECEPTACLE AT 10'-0" ABOVE FINISHED GRADE WITH "IN-USE" WP RECEPTACLE COVER. PROVIDE FUSING IN BASE.
SB	HCI F187-L-EPC-250PSMH-BR3-QT(240)-RAL9011 WITH A377-1A-RAL9011 ARM AND VALMONT POLE CQA-8-185-6-LT-250-P2-BK-BCAS-DL	240	(1) 250W PSMH	POLE	DECORATIVE ARM MOUNT FIXTURE. SEE DETAIL ON THIS SHEET FOR POLE BASE. PROVIDE FUSING IN BASE.



FIXTURE TYPE SA POLE INSTALLATION DETAIL



FIXTURE TYPE SB POLE INSTALLATION DETAIL

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIXTURE SCHEDULE AND DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-N-1	MADISON	152	98F
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76054	

