

118+2 = 120

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	1
FHWA REGION NO. ILLINOIS		PROJECT M-8003(200)		
* 01-00029-00-FP		CONTRACT NO. 83825		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

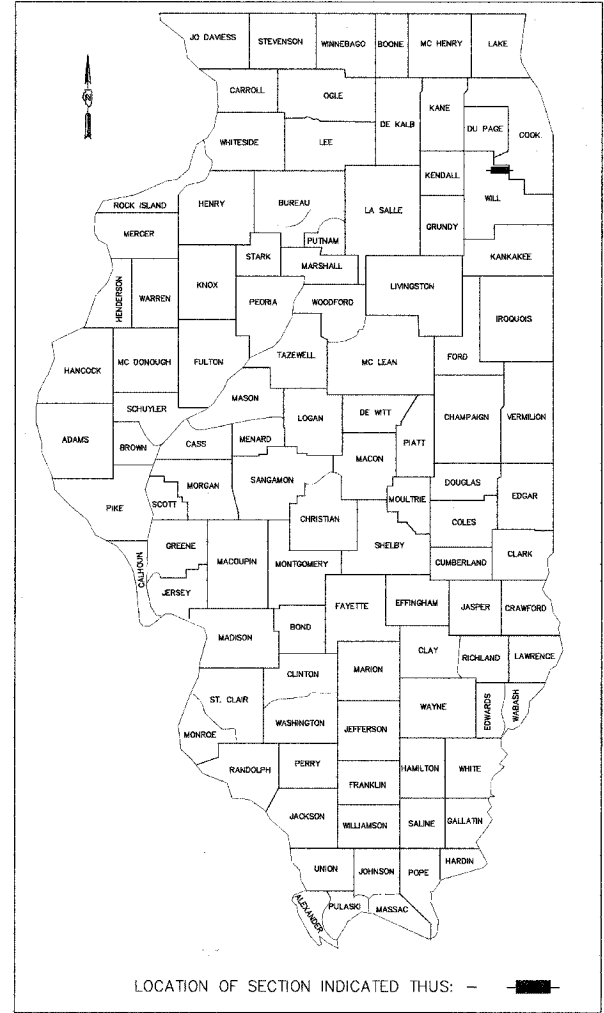
PLANS FOR PROPOSED LOCAL AGENCY IMPROVEMENT FEDERAL-AID URBAN PROJECT

**F.A.U. ROUTE 0306 (LAPORTE ROAD)
LAPORTE ROAD RECONSTRUCTION
VILLAGE SECTION: 01-00029-00-FP
WOLF ROAD (F.A.U. 2688) TO KIRKSTONE WAY
PROJECT M - 8003(200)
VILLAGE OF MOKENA
WILL COUNTY
JOB NO. C-91-162-02**

VILLAGE MAYOR
JOSEPH WERNER

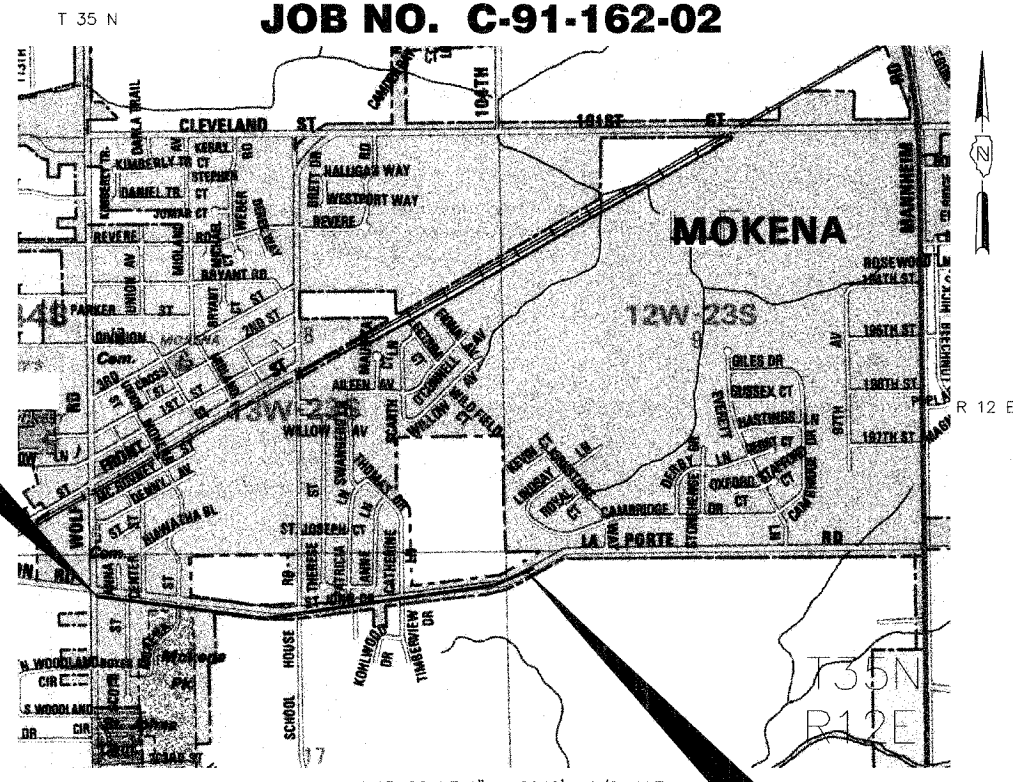
VILLAGE CLERK
ROBYN MADDEN

VILLAGE TRUSTEES
JOHN J. MAZZORANA
JOSEPH SIWINSKI
LAURA RUSINIAK
DONALD D. LABRIOLA
GEORGE METANIAS
JANE MCGINN



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LOCATION MAP

NET LENGTH OF IMPROVEMENTS : 5850 L.F. = 1.11 MILES

Ciorba Group, Inc.
DESIGN FIRM
REGISTRATION NUMBER
* 184-001016 *

MARK R. JOHNSON
REGISTERED PROFESSIONAL ENGINEER
CHICAGO, ILLINOIS 60656 - (773) 775-4009

DATE: 12/20/2005

EXPIRATION DATE: 11/30/2007

APPROVED 12/21/05 2005
[Signature] VILLAGE ENGINEER VILLAGE OF MOKENA

APPROVED JANUARY 12 2006
[Signature] DISTRICT ENGINEER OF LOCAL ROAD & STREETS

APPROVED Jan. 12 2006
[Signature] DEPUTY DIRECTOR OF HIGHWAYS REGION ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

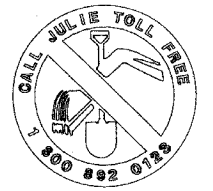
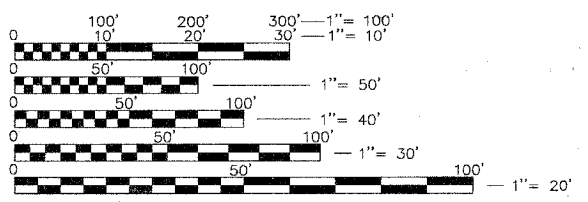
PLANS PREPARED BY:

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FEDERAL AID DESIGN ENGINEER: JESSICA MILLER (847) 705-4487
CONSULTANT: CIORBA GROUP, INC. (773) 775-4009
PLOT DATE: Dec 29, 2003
FILE NAME: N:\PROJ\32332-TITLE-SHEE.TDWG

CONTRACT NO. 83825



FULL SIZED 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.

FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	2
FWHA REGION NO.	ILLINOIS	PROJECT M-8003	200	
* 01-00029-00-FP			CONTRACT NO. 83825	

GENERAL

- ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING SANITARY SEWERS, STORM SEWERS, WATER MAINS, AND THEIR SERVICE LINES, SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD-LOCATE ALL UTILITIES, ASCERTAIN THEIR STATUS AND ADJUST OR RELOCATE THESE UTILITIES, AS NECESSARY, PRIOR TO STARTING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO:

A. NICOR GAS COMPANY P.O. BOX 190 AURORA, IL 60507-0190 1-630-983-8676	D. COMCAST 688 INDUSTRIAL DRIVE ELMHURST, IL 60126 (630) 600-6346
B. COMMONWEALTH EDISON COMPANY 1910 S. BRIGGS STREET JOLIET, IL 60433	E. VILLAGE OF MOKENA PUBLIC WORKS DEPARTMENT 11004 CARPENTER STREET MOKENA, IL 60448 (708) 479-3927
C. SBC 2427 UNION AVE., FLOOR 2 BLUE ISLAND, IL 60406 (708) 396-7628	

2. THE CONTRACTOR SHALL COORDINATE CHANGES TO POSTAL DELIVERY WITHIN THE PROJECT LIMITS CAUSED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE PARTY GIVEN BELOW AT LEAST FIVE (5) BUSINESS DAYS BEFORE SERVICE INTERRUPTIONS WILL OCCUR. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.

U.S. POSTAL SERVICE
21201 S. ELSNER RD.
FRANKFORT, ILLINOIS 60423
CONTACT: POSTMASTER 815-409-5786

- THE DIMENSIONS AND LOCATIONS OF UTILITY FACILITIES AS SHOWN ON THESE PLANS ARE AN ESTIMATE FOR DESIGN PURPOSE ONLY AND ARE NOT INTENDED FOR USE AS FIELD LOCATIONS FOR CONSTRUCTION. BEFORE BEGINNING ANY DIGGING OR EXCAVATION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT J.U.I.E. AT (800) 892-0123 TO VERIFY UTILITY LOCATIONS. 48 HOUR ADVANCE NOTIFICATION IS REQUIRED.

4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SATISFACTORY DRAINAGE WITHIN THE PROJECT SITE AND THOSE AREAS THAT PRESENTLY DRAIN THROUGH THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO CLEAN ALL DEBRIS ACCUMULATED DURING CONSTRUCTION OPERATIONS AT THE END OF EACH WORKING DAY. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. PRIVATE DRAINS RECEIVED BY THE EXISTING DRAINAGE SYSTEM SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM. THE COST OF PROVIDING, INSTALLING AND MAINTAINING THESE MEASURES SHALL BE INCLUDED IN THE COST OF PAY ITEMS ASSOCIATED WITH THE PROPOSED STORM SEWER SYSTEM.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER. THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
- PROCUREMENT OF ALL NECESSARY PERMITS, AND PAYMENT THEREOF, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL MATERIAL SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA UNLESS OTHERWISE STATED IN THE PLANS. A LETTER OF CERTIFICATION OF THE COUNTRY OF ORIGIN WILL BE PROVIDED IF REQUESTED BY THE VILLAGE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.
- THE CONTRACTOR SHALL LIMIT HIS CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE ENGINEER BEFORE BEGINNING WORK ON ANY STREET.

- THE CONTRACTOR AT HIS OWN EXPENSE SHALL BE REQUIRED TO RELOCATE ALL ROAD SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET SUCH SIGNS DURING HIS CONSTRUCTION OPERATIONS. ALL WORK INVOLVING SIGNS SHALL BE COVERED BY THE FOLLOWING REQUIREMENTS:
 - SIGNS SHALL NOT BE REMOVED UNTIL PROGRESS OF WORK NECESSITATES REMOVAL.
 - EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER VISIBLE TO TRAFFIC ON THE HIGHWAY. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND NEAT APPEARING FOR THE DURATION OF THE TEMPORARY SETTING.
 - ALL SIGNS MUST BE RE-ERECTED IN THEIR PERMANENT LOCATIONS AS DESIGNATED BY THE ENGINEER AS THE ROADWAY IS COMPLETED.
 - ALL SIGNS NOT REQUIRED FOR REUSE AFTER CONSTRUCTION IS COMPLETED SHALL REMAIN THE PROPERTY OF THE VILLAGE. THE CONTRACTOR SHALL BE REQUIRED TO STORE THEM AT THE JOB SITE FOR PICKUP BY THE VILLAGE.
 - ANY SIGN OR SIGN POST DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT HIS OWN EXPENSE. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A LIST OF ALL EXISTING DAMAGED SIGNS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AN INVENTORY OF ALL SIGNS MOVED DURING CONSTRUCTION.

12. THE COST OF THE REMOVAL OF ANY EXISTING POLES, POSTS, TREE STUMPS (WITH A DIAMETER LESS THAN 6 INCHES) OR OTHER OBSTRUCTIONS WHICH INTERFERE WITH THE PROPOSED IMPROVEMENTS AND WHICH ARE NOT TO BE REMOVED AS A SEPARATE PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

- THE CONTRACTOR SHALL PLACE WARNING SIGNS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE A SEPARATE PAY ITEM, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

14. FULL-DEPTH SAWCUTS SHALL BE MADE AS DIRECTED BY THE ENGINEER TO REMOVE THE EXISTING PAVEMENT, CURB AND GUTTER, DRIVEWAYS AND SIDEWALK. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM BEING REMOVED.

- THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE DEPRESSED ACROSS ALL DRIVEWAYS, HANDICAPPED RAMPS AND/OR AS DIRECTED BY THE ENGINEER. HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL CROSS WALK LOCATIONS, AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS.

- ALL DIMENSIONS SHOWN ARE FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN. ALL RADII SHOWN ARE FROM THE EDGE OF PAVEMENT.

- ALL PARKWAYS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY GRADED AND RECEIVE FOUR INCHES OF TOPSOIL AND SODDING.

- POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGE. IF UNSTABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

UTILITIES GENERAL

1. FRAMES AND LIDS/GRATES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

- THE CONTRACTOR AT HIS EXPENSE WILL REPLACE ALL FRAMES AND GRATES THAT HE DAMAGES DURING CONSTRUCTION.

- ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VALVE VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "MOKENA STORM"; ALL LIDS TO BE USED ON SANITARY SEWER STRUCTURES SHALL BEAR THE WORD "MOKENA SANITARY"; AND LIDS TO BE USED ON WATER SYSTEM STRUCTURES SHALL BEAR THE WORD "MOKENA WATER".

- FRAMES, LIDS AND GRATES OF EXISTING CATCH BASINS, INLETS, MANHOLES AND VALVE VAULTS WHICH ARE TO BE ABANDONED OR REPLACED IN THIS PROJECT SHALL BE SALVAGED AND REMAIN THE PROPERTY OF THE VILLAGE OF MOKENA. THE CONTRACTOR SHALL DELIVER THESE CASTINGS TO A FACILITY DESIGNATED BY THE VILLAGE.

5. EXPENSE INVOLVED IN CONNECTING PROPOSED SEWERS TO EXISTING SEWERS OR PROPOSED SEWERS TO EXISTING SEWER STRUCTURES OR PROPOSED SEWER STRUCTURES TO EXISTING SEWERS WITH A CONCRETE COLLAR OR AS SPECIFIED BY THE ENGINEER SHALL BE CONSIDERED INCIDENTAL TO THE ITEM BEING CONNECTED.

- ALL UTILITY STRUCTURES SHALL BE PRECAST REINFORCED CONCRETE ONLY.

7. ALL UTILITY STRUCTURES SHALL BE SET ON A SIX INCH (6") CA-7 CUSHION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE UTILITY STRUCTURE.

- ALL UTILITY STRUCTURES SHALL HAVE NO MORE THAN TWO ADJUSTING RINGS WITHIN A MINIMUM OF FOUR INCHES (4") AND A MAXIMUM OF TWELVE INCHES (12") OF ADJUSTING RINGS.

- OFFSETS TO STRUCTURES ARE FROM THE CENTERLINE TO THE EDGE OF PAVEMENT. OFFSETS TO STRUCTURES NOT LOCATED ALONG THE EDGE OF PAVEMENT ARE FROM THE SURVEY BASELINE TO CENTER OF STRUCTURE.

- ALL PIPE SLOPES ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. LENGTH OF PIPE WILL BE MEASURED PER ARTICLE 550.08.

11. ALL SEWERS TO BE ABANDONED SHALL BE PLUGGED. PLUGGING SHALL BE INCLUDED IN THE COST OF PERTINENT REMOVAL WORK.

12. THE REMOVAL OF EXISTING END SECTIONS SHALL BE PAID FOR AS PIPE CULVERT REMOVAL.

- ALL STORM SEWER LIDS AND COVERS SHALL HAVE "DUMP NO WASTE DRAINS TO WATERWAYS" AND THE TROUT IMAGE CAST ON IT.

DRAINAGE

- ALL STORM SEWER, CLASS A SHALL BE REINFORCED CONCRETE PIPE WITH O-RING JOINTS AND CONFORM TO THE IDOT STANDARD SPECIFICATIONS.
- ALL STORM SEWER, CLASS A SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 550 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE SEWER PIPE SHALL BE SEALED WITH PREFORMED FLEXIBLE GASKETS CONFORMING TO SECTION 1056 OF THE STANDARD SPECIFICATIONS. MASTIC JOINT SEALER WILL NOT BE ALLOWED.
- ALL CASTINGS SHALL BE SET ON A BITUMASTIC MATERIAL.
- A HALF-TRAP WILL NOT BE REQUIRED FOR PROPOSED CATCH BASINS.

SANITARY SEWER

- ALL SANITARY STRUCTURES SHALL HAVE AN EXTERNAL WRAP, MAC WRAP OR EQUAL.
- ALL STRUCTURES SHALL HAVE FLEXIBLE GASKETED COUPLINGS A-LOK OR EQUAL.
- ALL STRUCTURES SHALL HAVE PRECAST FILLETS.
- SANITARY SEWER SHALL BE PVC SDR-35 FOR SEWER MAIN LESS THAN TEN FEET IN DEPTH, OTHERWISE SDR-26.
- SERVICE LATERALS LESS THAN THREE FEET IN DEPTH SHALL BE PVC SDR-26 OR DUCTILE IRON CLASS 52, OTHERWISE PVC SDR-35.

6. THE SANITARY SEWER SHALL BE TESTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND SHALL INCLUDE DEFLECTION, INFILTRATION AND VIDEOTAPING. THESE TESTS ARE TO BE CONSIDERED INCIDENTAL TO THE CONTRACT.

PAVING

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PAVEMENT OPENINGS, OPEN HOLES, EQUIPMENT AND RUBBLE LEFT IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS.
- THE CONTRACTOR MAY BE REQUIRED TO PUT A GRADE BREAK IN THE SCREED AND ADJUST THE CONTROLS OF HIS PAVING MACHINE TO ALLOW THE REQUIRED THICKNESS OF ASPHALT OVER THE FULL PAVEMENT CROSS SECTION.
- THE CONTRACTOR SHALL BE REQUIRED TO CLEAN EACH SUCCESSIVE NEW BITUMINOUS COURSE PRIOR TO PLACEMENT OF THE NEXT BITUMINOUS COURSE AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL PLACE "FRESH OIL" WARNING SIGNS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS.
- SURFACE COURSE WILL NOT BE PLACED UNTIL ALL BINDER COURSE HAS BEEN PLACED.

LANDSCAPING

- PLACEMENT OF TOPSOIL SHALL BE WITHIN 10 DAYS AFTER THE COMPLETION OF CURB AND GUTTER, PAVING AND DRIVEWAY REPLACEMENT OPERATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- SODDING SHALL BE PLACED EITHER PRIOR TO JUNE 15 OR AFTER SEPTEMBER 15.

WATER MAIN

- THE CONTRACTOR SHALL COORDINATE ALL WORK ON WATERMAIN SYSTEMS WITH THE VILLAGE OF MOKENA. CONSTRUCTION SHALL BE STAGED TO MAINTAIN SERVICE TO ADJACENT PROPERTIES. TEMPORARY SYSTEM SHUT-DOWNS SHALL BE OF SHORT DURATION AND HAVE PRIOR WRITTEN APPROVAL FROM THE VILLAGE OF MOKENA OF THE TIME OF DAY AND DURATION.
- NO DISCONNECTION FROM EXISTING OR CONNECTION TO PROPOSED IS TO BE PERFORMED UNTIL THE NEW WATERMAIN IS TESTED AND PLACED INTO SERVICE AND ALL WORK SHALL BE PERFORMED PRIOR TO ABANDONING THE EXISTING WATERMAIN. NOTIFICATION OF INTERRUPTION OF SERVICE SHALL BE MADE TO THOSE AFFECTED BY THE CONTRACTOR IN WRITING A MINIMUM OF 24 HOURS IN ADVANCE.
- WATER MAIN SHALL BE DUCTILE IRON, CLASS 52, IN ACCORDANCE WITH AWWA LATEST STANDARDS. THE WATER MAIN SHALL BE BITUMINOUS COATED WITH A CEMENT LINING IN ACCORDANCE WITH AWWA LATEST STANDARDS.
- JOINTS SHALL BE PUSH-ON IN ACCORDANCE WITH AWWA LATEST STANDARDS, EXCEPT GASKETS SHALL BE NEOPRENE OR OTHER SYNTHETIC RUBBER.
- FITTINGS SHALL BE CEMENT LINED DUCTILE OR CAST IRON IN ACCORDANCE WITH AWWA LATEST STANDARDS RATED AT 350 PSI.
- WATER MAIN SHALL BE POLYETHYLENE WRAPPED IN ACCORDANCE WITH AWWA LATEST STANDARDS.

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 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 GENERAL NOTES

DESIGN: MRJ _____ DATE: DEC. 2005 _____
 DRAWN: JC _____ SCALE: NTS _____
 CHECKED: SNS _____ FILE NO.: 3232 _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	01-00029-00-FP	WILL	118	3
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS M - 8003 (200)		
CONTRACT NO.: 83825				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY 1000-2A	LIGHTING QUANTITY Y030-IE	SANITARY AND WATER QUANTITY (NON-PARTICIPATING)
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	756	756		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	546	546		
20101000	TEMPORARY FENCE	FOOT	3960	3960		
20101100	TREE TRUNK PROTECTION	EACH	66	66		
20101200	TREE ROOT PRUNING	EACH	66	66		
20101700	SUPPLEMENTAL WATERING	UNIT	32	32		
20200100	EARTH EXCAVATION	CU YD	6751	6751		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2903	2903		
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	500	500		
20800150	TRENCH BACKFILL	CU YD	5041	5041		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1500	1500		
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	11225	11225		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	142	142		
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	142	142		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	142	142		
* 25200100	SODDING	SQ YD	11225	11225		
* 25301200	TREES TO BE TRANSPLANTED 3"	EACH	25	25		
* 25301400	TREES TO BE TRANSPLANTED 4-4 1/2"	EACH	12	12		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	220	220		
28000300	TEMPORARY DITCH CHECKS	EACH	20	20		
28000400	PERIMETER EROSION BARRIER	FOOT	4900	4900		
28000500	INLET AND PIPE PROTECTION	EACH	12	12		
28000510	INLET FILTERS	EACH	96	96		
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	31260	31260		
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	800	800		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	1200	1200		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	15300	15300		
40600300	AGGREGATE (PRIME COAT)	TON	100	100		
42001300	PROTECTIVE COAT	SQ YD	5650	5650		
42300710	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, SPECIAL	SQ YD	84	84		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	26950	26950		
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	200	200		
42400800	DETECTABLE WARNINGS	SQ FT	150	150		
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	1250	1250		
44000100	PAVEMENT REMOVAL	SQ YD	18000	18000		

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY 1000-2A	LIGHTING QUANTITY Y030-IE	SANITARY AND WATER QUANTITY (NON-PARTICIPATING)
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1750	1750		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1800	1800		
44000600	SIDEWALK REMOVAL	SQ FT	650	650		
48202800	BITUMINOUS SHOULDERS SUPERPAVE 10"	SQ YD	60	60		
50105220	PIPE CULVERT REMOVAL	FOOT	900	900		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	6	6		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2		
54247110	GRATING FOR CONCRETE FLARED END SECTION 18"	EACH	1	1		
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	2		
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	50	50		
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	7	7		
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	1568	1568		
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	201	201		
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	185	185		
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	928	928		
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	765	765		
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	444	444		
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	597	597		
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	472	472		
56107400	REMOVE AND RELOCATE WATER MAIN 12"	FOOT	120			120
56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	14	14		
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	5	5		
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60200405	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 4 FRAME AND GRATE	EACH	42	42		
60207205	CATCH BASINS, TYPE C, TYPE 4 FRAME AND GRATE	EACH	12	12		
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2		
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	18	18		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7	7		
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2		
60228110	SANITARY MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3			3
60235800	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	EACH	8	8		
60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2			2
60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7		
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1		
60260100	INLETS TO BE ADJUSTED	EACH	5	5		

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

SUMMARY OF QUANTITIES

SCALE: N.T.S.
DATE: DECEMBER, 2005

DRAWN BY: EAB
CHECKED BY: MRJ

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	01-00029-00-FP	WILL	118	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS		
		M - 8003 (200)		
CONTRACT NO.: 83825				

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY 1000-2A	LIGHTING QUANTITY Y030-IE	SANITARY AND WATER QUANTITY (NON-PARTICIPATING)
60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	8	8		
60266600	VALVE BOXES TO BE ADJUSTED	EACH	3	3		
60500040	REMOVING MANHOLES	EACH	2	2		
60500050	REMOVING CATCH BASINS	EACH	5	5		
60500060	REMOVING INLETS	EACH	2	2		
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3	3		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	11500	11500		
63200310	GUARDRAIL REMOVAL	FOOT	180	180		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15	15		
67100100	MOBILIZATION	L SUM	1	1		
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1		
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1000	1000		
70300210	TEMPORARY PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	200	200		
70300220	TEMPORARY PAVEMENT MARKING LINE - 4"	FOOT	11650	11650		
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	200	200		
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	6000	6000		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1250	1250		
72000100	SIGN PANEL - TYPE 1	SQ FT	250	250		
72900200	METAL POST - TYPE B	FOOT	600	600		
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	770	770		
* 78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	15765	15765		
* 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	1225	1225		
* 78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT	1720	1720		
* 78004180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE C - LINE 24"	FOOT	235	235		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	331	331		
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	300	300		
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1	
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1	
* 80700140	GROUND ROD, 5/8" DIA. X 10 FT.	EACH	36		36	
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	1125		1125	
* 81702170	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2/0	FOOT	300		300	
* 82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	8		8	
* 82102200	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 200 WATT	EACH	28		28	
* 82500530	LIGHTING CONTROLLER, CB-RCS, 100AMP-240 VOLT	EACH	1		1	
* 83007400	LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. DAVIT ARM	EACH	36		36	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY 1000-2A	LIGHTING QUANTITY Y030-IE	SANITARY AND WATER QUANTITY (NON-PARTICIPATING)
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	175		175	
* 83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	121		121	
* 83800505	BREAKAWAY DEVICE, COUPLING, WITH ALUMINUM SKIRT	EACH	36		36	
* 84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	1		1	
* A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND	EACH	20	20		
* A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	15	15		
* A2005616	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	15	15		
* A2006816	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	25	25		
* A2007920	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	14	14		
* A2016614	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK) 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	22	22		
* B2005720	TREE, PYRUS CALLERYANA CHANTICLEER CHANTICLEER CALLERY PEAR, 2-1/2" CALIPER, TREE FORM, BALLED	EACH	16	16		
X0321558	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	12			12
* X0321994	UNIT DUCT, WITH 4-1/2" NO. 4 AND 1/2" NO. 6 GROUND, 600V (EPR-TYPE RHW), 1 1/2" DIA.,	FOOT	6600		6600	
X0322050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	20	20		
X0322782	SANITARY SEWER, PVC (D3034) SDR 26, 8"	FOOT	1272			1272
X0324057	WOODEN FENCE RELOCATION	FOOT	105	105		
X0712400	TEMPORARY PAVEMENT	SQ YD	2600	2600		
X3550300	BITUMINOUS BASE COURSE SUPERPAVE 6"	SQ YD	1000	1000		
X3550500	BITUMINOUS BASE COURSE SUPERPAVE 8"	SQ YD	160	160		
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	200	200		
X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	210	210		
X4066740	LEVELING BINDER (HAND METHOD), SUPERPAVE N70	TON	5	5		
X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	72	72		
X4073081	BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 10"	SQ YD	25500	25500		
XX003035	CLASS D PATCHES, 9 INCH	SQ YD	70	70		
XX003338	TEST HOLE	EACH	40	20	20	
XX003803	SANITARY SEWER SERVICE 6"	FOOT	200			200
XX003817	GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	6	6		
XX004352	RELOCATE MAILBOX ON EXISTING SUPPORT	EACH	20	20		
* XX005142	COPPER WATER SERVICE, 1-1/2", IN TRENCH	FOOT	196			196
* XX005143	COPPER WATER SERVICE, 1-1/2", DIRECTIONAL BORE	FOOT	240			240
XX005304	BICYCLE PATH REMOVAL	SQ YD	680	680		
XX146400	STORM SEWER REMOVAL	FOOT	100	100		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0019600	DUST CONTROL WATERING	UNIT	10	10		
Z0076600	TRAINEES	HOUR	500	500		
XX006510	PIPE CULVERTS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	104	104		
XX006508	SANITARY MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID WITH INTERIOR DROP	EACH	3			3
XX006509	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14, RUBBER GASKET	FOOT	57	57		
* X0300200	WATER SERVICE CONNECTION	EACH	8			8
XX104100	CONNECTION TO EXISTING MANHOLE	EACH	2			2

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

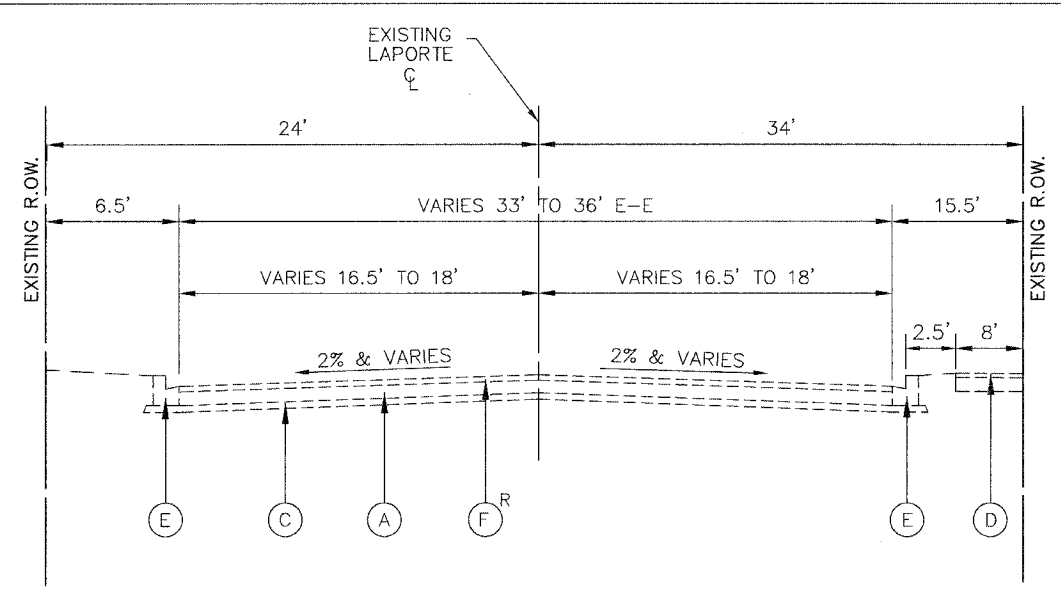
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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

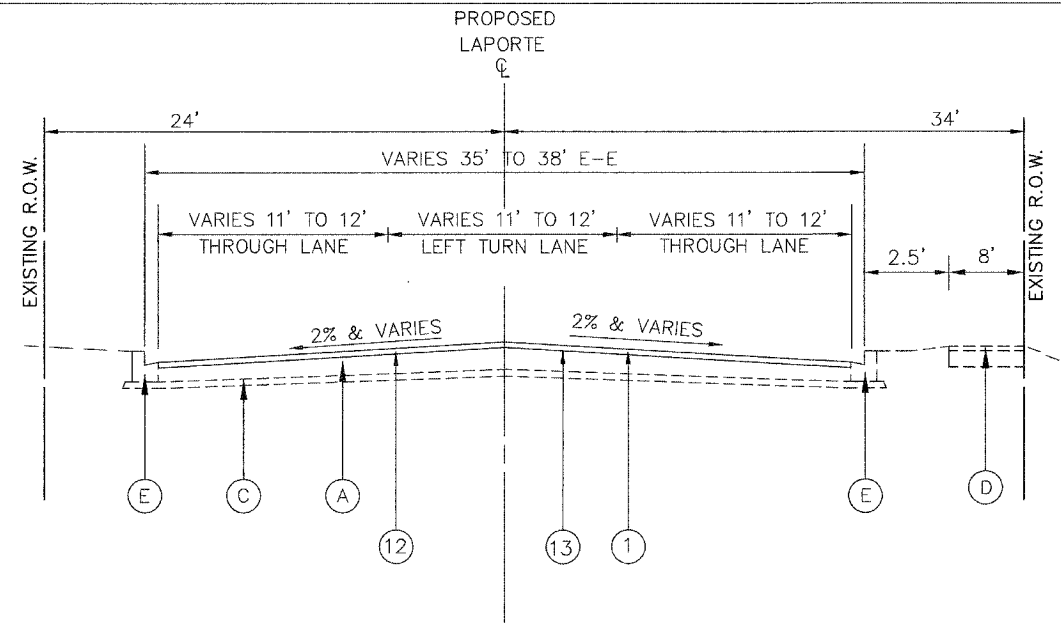
SUMMARY OF QUANTITIES

SCALE: N.T.S.
DATE: DECEMBER, 2005

DRAWN BY: EAB
CHECKED BY: MRJ

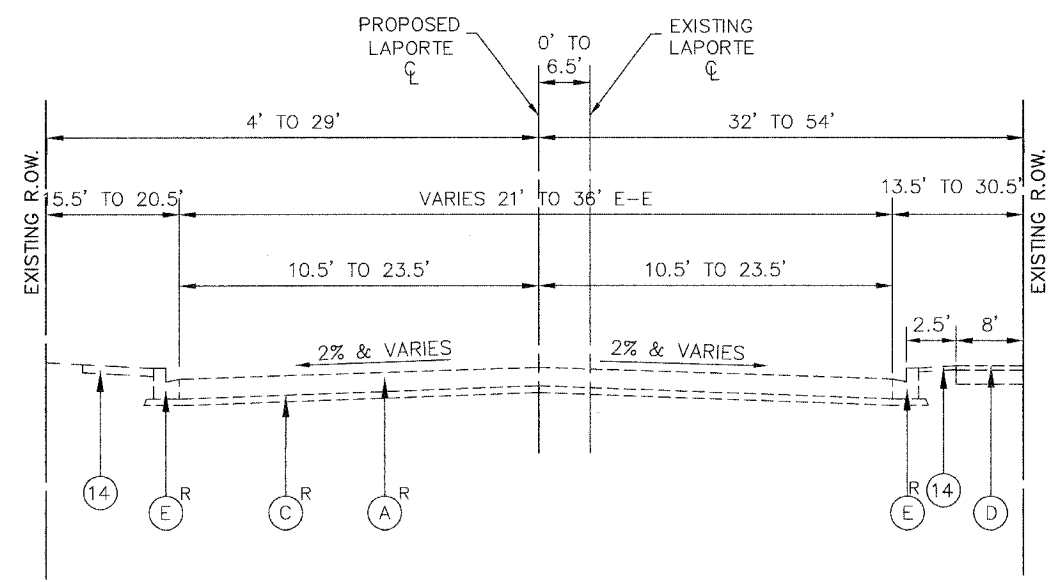


EXISTING TYPICAL SECTION - LAPORTE ROAD
STA. 10+00 TO STA. 12+37

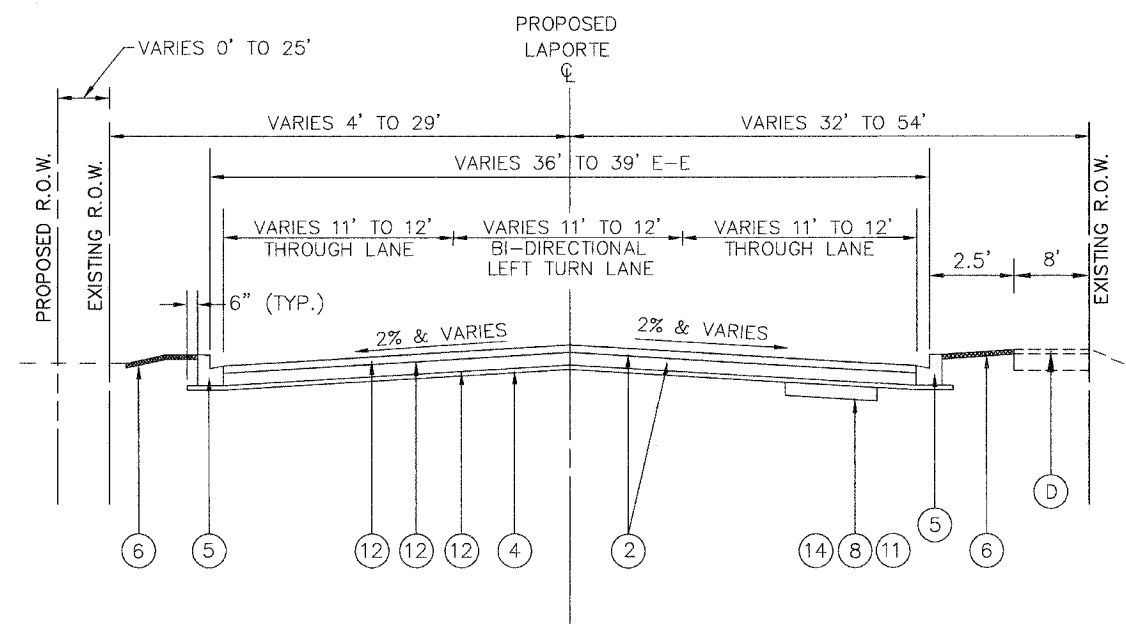


PROPOSED TYPICAL SECTION - LAPORTE ROAD
STA. 10+00 TO STA. 12+37

BITUMINOUS MIXTURE REQUIREMENT			
ITEM	AC TYPE	VOIDS	RAP %
TEMPORARY PAVEMENT			
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX D, N50 (2")	PG 64-22	4% @ 50 GYR.	15
BIT. BASE COURSE SUPERPAVE (4")	PG 58-22	2% @ 50 GYR.	50
CLASS D PATCHES, 9" (BINDER COURSE IL-19, N70)	PG 64-22	4% @ 70 GYR.	15
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX "D", N70 (2")	PG 64-22	4% @ 70 GYR.	10
BIT. C PVT FD SUP 10" SURFACE COURSE MIX D, N70 (2") BINDER COURSE IL-19, N70 (8")	PG 64-22 PG 64-22	4% @ 70 GYR. 4% @ 70 GYR.	10 15
BIT. CONC. SURF. COURSE, SUPERPAVE, MIX "C", N50	PG 64-22	4% @ 50 GYR.	15
LEVELING BINDER (HAND METHOD) SUPERPAVE, N70	PG 64-22	4% @ 70 GYR.	10
POLYMERIZED LEVELING BINDER(MACHINE METHOD) SUPERPAVE, IL-4.75, N50 (3/4")	SBS/SBR PG 76-28	2.5% @ 50 GYR.	0
BITUMINOUS SHOULDERS SUPERPAVE 10 1/4"	PG 58-22	2% @ 30 GYR.	50
BITUMINOUS BASE COURSE, SUPERPAVE, (6" P.E. OR 8" C.E.)	PG 58-22	2% @ 50 GYR.	50



EXISTING TYPICAL SECTION - LAPORTE ROAD
STA. 12+37 TO STA. 20+50



PROPOSED TYPICAL SECTION - LAPORTE ROAD
STA. 12+37 TO STA. 20+50

THE UNIT WEIGHT USED TO CALCULATE BITUMINOUS SURFACE MIXTURES IS 112 LB/SY PER INCH THICKNESS.

STRUCTURAL DESIGN FACTOR:	YEAR 2020
PV = 11481	SU = 295 MU = 24
ROAD/STREET CLASSIFICATION:	CLASS III
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 97%	S = 2.5% M = 0.5%
TRAFFIC FACTOR: ACTUAL TF = 0.44	AC TYPE = PG64-22
MINIMUM TF =	
AC GRADE: BINDER = 64-XX	SURFACE = 64-XX
SUBGRADE SUPPORT RATING:	SSR = POOR

EXISTING LEGEND

- (A) BITUMINOUS CONCRETE PAVEMENT (VARIES 4" TO 9") (REMOVAL PAID FOR AS PAVEMENT REMOVAL)
- (B) AGGREGATE SHOULDER
- (C) AGGREGATE BASE COURSE (VARIES 4" TO 11") (REMOVAL PAID FOR AS EARTH EXCAVATION)
- (D) BITUMINOUS BICYCLE PATH
- (E) COMBINATION CONCRETE CURB & GUTTER, TYPE B.6-18
- (F) BITUMINOUS SURFACE REMOVAL, (VARIABLE DEPTH 1" - 2 3/4")
- R REMOVAL ITEM

PROPOSED LEGEND

- (1) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 2"
- (2) BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 10" (BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 2") (BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 8")
- (4) SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (6) TOPSOIL 4", FERTILIZER NUTRIENTS, SODDING
- (7) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (8) POROUS GRANULAR EMBANKMENT, SUBGRADE (AT UNDERCUT LOCATIONS ONLY)
- (9) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2"
- (10) AGGREGATE BASE COURSE TYPE B 6"
- (11) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (12) BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)
- (13) POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50, IL-4.75, N50 (3/4")
- (14) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

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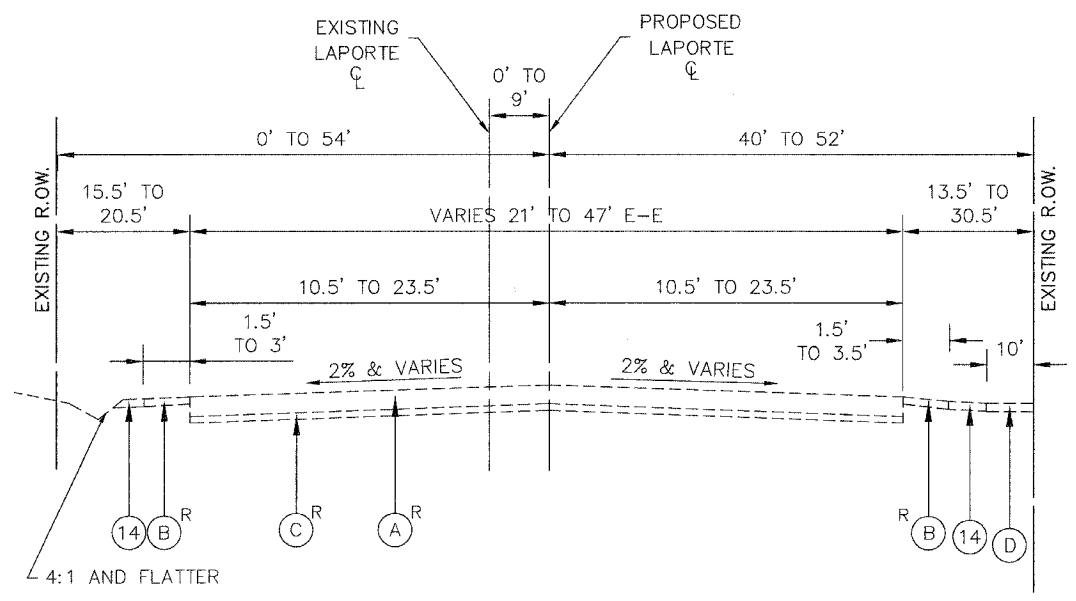
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

TYPICAL SECTIONS
LAPORTE ROAD

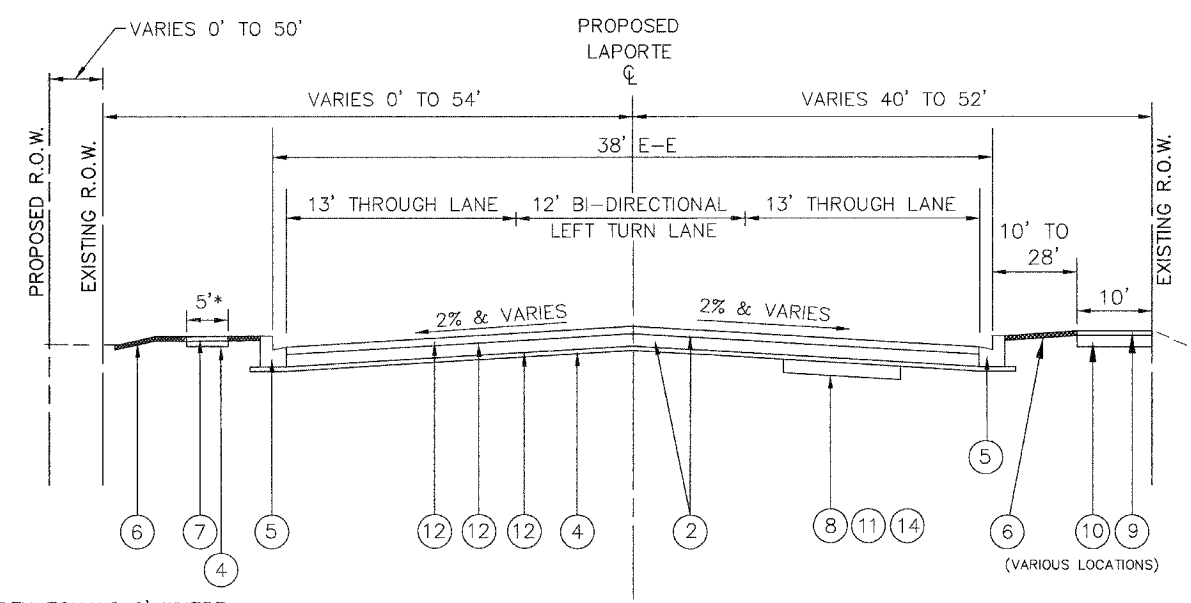
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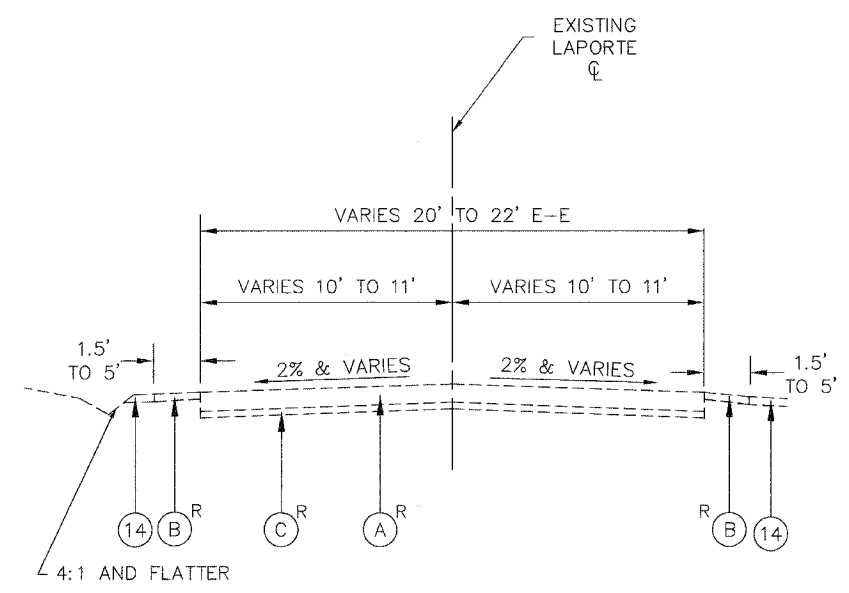


EXISTING TYPICAL SECTION - LAPORTE ROAD
STA. 20+50 TO STA. 68+50

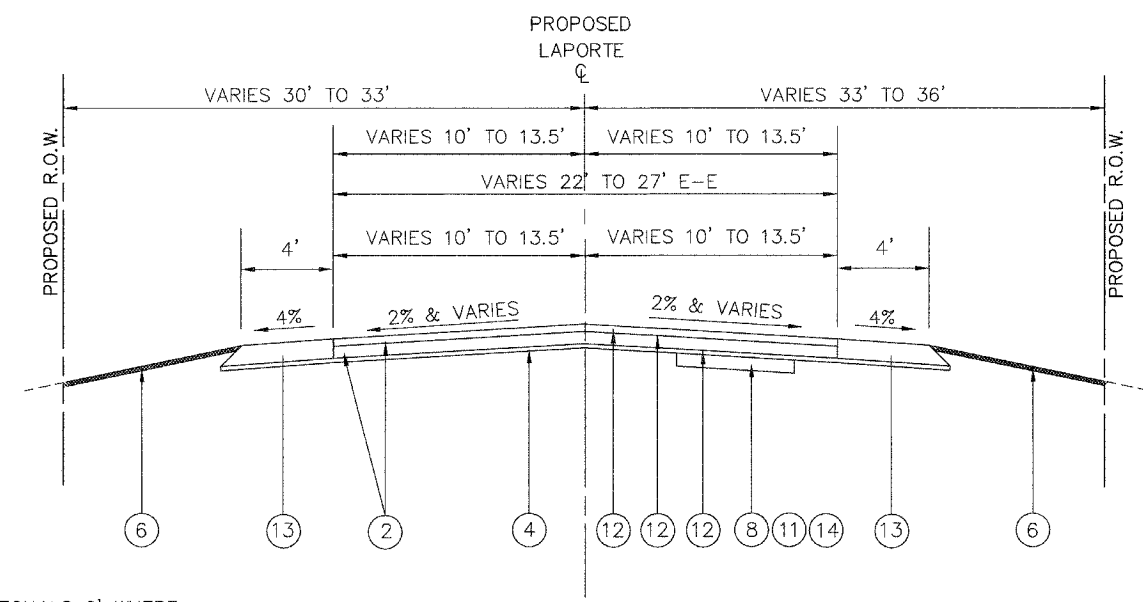


* WIDTH EQUALS 6' WHERE
ADJACENT TO B.O.C.

PROPOSED TYPICAL SECTION - LAPORTE ROAD
STA. 20+50 TO STA. 68+50



EXISTING TYPICAL SECTION - SCHOOL HOUSE ROAD
STA. 500+00 TO STA. 501+37



* WIDTH EQUALS 6' WHERE
ADJACENT TO B.O.C.

PROPOSED TYPICAL SECTION - SCHOOL HOUSE ROAD
STA. 500+00 TO STA. 501+37

EXISTING LEGEND

- (A) BITUMINOUS CONCRETE PAVEMENT (VARIES 4" TO 9")
- (B) AGGREGATE SHOULDER
- (C) AGGREGATE BASE COURSE (VARIES 4" TO 11")
- (D) BITUMINOUS BICYCLE PATH
- (E) COMBINATION CONCRETE CURB & GUTTER, TYPE B.6-18
- R REMOVAL ITEM

PROPOSED LEGEND

- (1) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 2"
- (2) BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 10"
(BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 2")
(BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 8")
- (4) SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (6) TOPSOIL 4", FERTILIZER NUTRIENTS, SODDING
- (7) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (8) POROUS GRANULAR EMBANKMENT, SUBGRADE (AT UNDERCUT LOCATIONS ONLY)
- (9) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2"
- (10) AGGREGATE BASE COURSE TYPE B 6"
- (11) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (12) BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)
- (13) BITUMINOUS SHOULDERS SUPERPAVE 10"
- (14) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

TYPICAL SECTIONS
LAPORTE ROAD

DESIGN: MRJ
DRAWN: JC/EB
CHECKED: SNS

DATE: DEC. 2005
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SCHEDULE OF QUANTITIES

LAPORTE ROAD LOCATION STATION TO STATION	EARTH EXCAVATION (CU YD)	UNSUITABLE MATERIAL (CU YD)	*UNDERCUT AND PGE REPLACEMENT (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE - 15%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE(+) OR SHORTAGE (-) (CU YD)
SEGMENT 1 STAGE 1						
12+37 TO 13+00	13	4	--	11	3	8
13+00 TO 14+00	36	14	--	31	1	30
14+00 TO 15+00	54	18	--	46	0	46
15+00 TO 16+00	41	24	--	35	12	23
16+00 TO 17+00	33	12	--	28	11	17
17+00 TO 18+00	16	26	--	14	19	-5
18+00 TO 19+00	40	26	--	34	6	28
19+00 TO 20+00	88	33	--	58	5	53
20+00 TO 21+00	45	18	--	38	12	26
SEGMENT 1 STAGE 1 TOTAL	346	175	50	294	69	225
SEGMENT 1 STAGE 2						
12+37 TO 13+00	15	2	--	13	1	12
13+00 TO 14+00	23	9	--	20	7	13
14+00 TO 15+00	40	7	--	34	3	31
15+00 TO 16+00	70	6	--	60	0	60
16+00 TO 17+00	51	5	--	43	0	43
17+00 TO 18+00	49	5	--	42	0	42
18+00 TO 19+00	107	4	--	91	0	91
19+00 TO 20+00	123	5	--	105	0	105
20+00 TO 21+00	60	5	--	51	0	51
SEGMENT 1 STAGE 2 TOTAL	538	48	50	457	11	446

* UNDERCUT DETERMINED IN FIELD BY ENGINEER

LAPORTE ROAD LOCATION STATION TO STATION	EARTH EXCAVATION (CU YD)	UNSUITABLE MATERIAL (CU YD)	*UNDERCUT AND PGE REPLACEMENT (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE - 15%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE(+) OR SHORTAGE (-) (CU YD)
SEGMENT 2 STAGE 1						
20+50 TO 21+00	79	16	--	67	164	-97
21+00 TO 22+00	56	25	--	48	9	39
22+00 TO 23+00	37	29	--	31	4	27
23+00 TO 24+00	41	28	--	35	8	27
24+00 TO 25+00	58	24	--	49	7	42
25+00 TO 26+00	54	25	--	46	27	19
26+00 TO 27+00	77	32	--	65	25	40
27+00 TO 28+00	92	32	--	78	0	78
28+00 TO 29+00	97	32	--	82	0	82
29+00 TO 30+00	76	32	--	65	0	65
30+00 TO 31+00	84	35	--	71	1	70
31+00 TO 32+00	96	34	--	82	1	81
32+00 TO 33+00	71	33	--	60	4	56
33+00 TO 34+00	71	31	--	60	9	51
34+00 TO 35+00	50	34	--	43	12	31
35+00 TO 36+00	79	9	--	67	6	61
36+00 TO 37+00	75	26	--	64	8	56
37+00 TO 38+00	47	33	--	40	22	18
38+00 TO 39+00	28	33	--	24	25	-1
39+00 TO 40+00	22	34	--	19	39	-20
40+00 TO 41+00	7	34	--	6	71	-65
41+00 TO 42+00	26	33	--	22	56	-34
42+00 TO 43+00	102	7	--	87	13	74
43+00 TO 44+00	105	26	--	89	1	88
44+00 TO 45+00	58	34	--	49	2	47
45+00 TO 46+00	34	17	--	29	9	20
46+00 TO 47+00	20	34	--	17	40	-23
47+00 TO 48+00	7	34	--	6	65	-59
48+00 TO 49+00	22	26	--	19	58	-39
49+00 TO 50+00	47	25	--	40	29	11
50+00 TO 51+00	76	26	--	65	2	63
51+00 TO 52+00	57	11	--	48	9	39
52+00 TO 53+00	21	19	--	18	21	-3
53+00 TO 54+00	23	15	--	20	21	-1
54+00 TO 55+00	19	13	--	16	21	-5
55+00 TO 56+00	35	11	--	30	21	9
56+00 TO 57+00	58	6	--	49	13	36
57+00 TO 58+00	5	9	--	4	34	-30
58+00 TO 59+00	34	7	--	29	36	-7
59+00 TO 60+00	77	7	--	65	14	51
60+00 TO 61+00	14	19	--	12	118	-106
61+00 TO 62+00	0	24	--	0	279	-279
62+00 TO 63+00	3	21	--	3	200	-197
63+00 TO 64+00	16	20	--	14	61	-47
64+00 TO 65+00	21	18	--	18	51	-33
65+00 TO 66+00	38	16	--	32	41	-9
66+00 TO 67+00	37	10	--	31	24	7
67+00 TO 68+00	41	4	--	35	11	24
68+00 TO 69+00	34	3	--	29	10	19
SEGMENT 2 STAGE 1 TOTAL	2327	1106	200	1978	1702	258

* UNDERCUT DETERMINED IN FIELD BY ENGINEER

PLOT DATE: Dec 27, 2005 10:41:17 AM
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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

SCHEDULE OF QUANTITIES

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 DRAWN: DJS
 CHECKED: SNS

 DATE: DEC. 2005
 SCALE: NTS
 FILE NO.: 3232

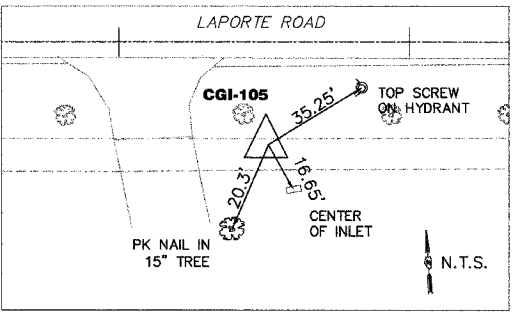
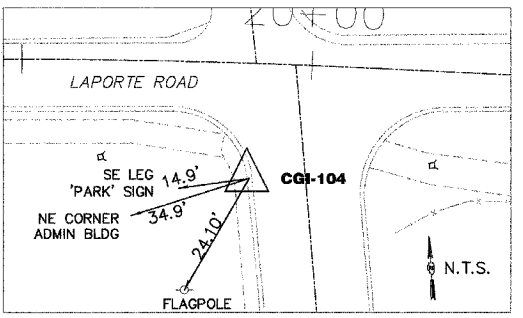
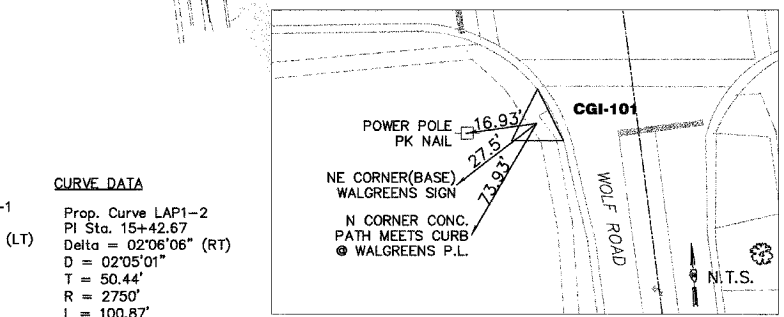
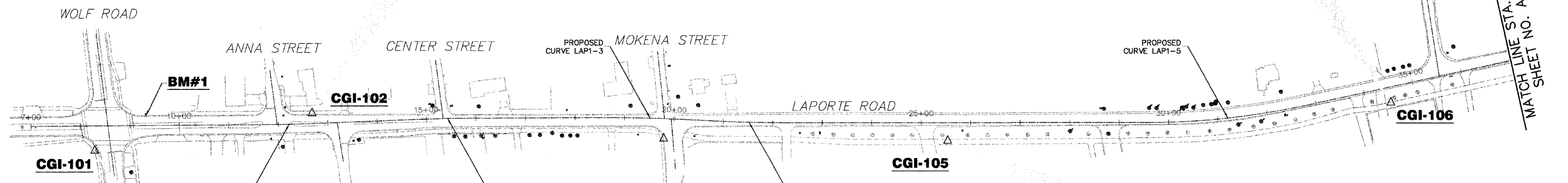
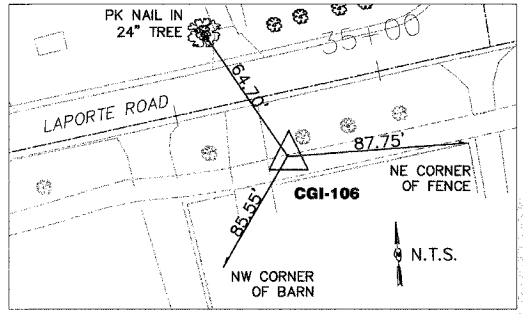
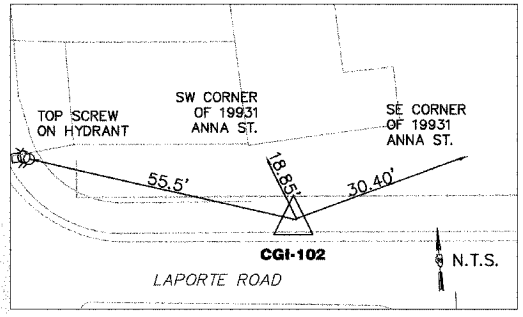
SUPERELEVATION TRANSITION						
CURVE LAP1-5						
STATION	CROSS SLOPE		ELEVATION			
	LT	RT	LT, EP	CL	RT, EP	
28+43	-2.00%	-2.00%	729.17	729.55	729.17	
28+50	-2.00%	-1.75%	729.21	729.59	729.26	
29+00	-2.00%	0.01%	729.52	729.90	729.90	
29+50	-2.00%	1.77%	730.06	730.44	730.78	
29+56.6	-2.00%	2.00%	730.17	730.55	730.93	
29+85	-3.00%	3.00%	730.49	731.06	731.63	
32+53	-3.00%	3.00%	736.97	737.54	738.11	
32+81.5	-2.00%	2.00%	737.5	737.88	738.26	
33+00	-2.00%	1.35%	737.66	738.04	738.30	
33+50	-2.00%	-0.42%	737.8	738.18	738.10	
33+95	-2.00%	-2.00%	737.58	737.96	737.58	

NOTE: A NEGATIVE CROSS SLOPE INDICATES THE EDGE OF PAVEMENT IS LOWER THAN THE CENTERLINE

BENCHMARKS:

BM#1 - ELEV.= 709.12'
NORTH BOLT ON THE BOTTOM FLANGE OF THE FIRE HYDRANT NORTH OF LAPORTE ROAD AND EAST OF WOLF ROAD.

BM#2 - ELEV.= 717.54
NORTH BOLT ON THE BOTTOM FLANGE OF THE FIRE HYDRANT ACROSS FROM 10933 LAPORTE ROAD.



Prop. Curve LAP1-1
PI Sta. 12+21.72
Delta = 01°53'27" (LT)
D = 02°05'01"
T = 45.38'
R = 2750'
L = 90.75'
E = 0.37'
PC Sta. 11+76.34
PT Sta. 12+67.09
SE = N.C.

Prop. Curve LAP1-2
PI Sta. 15+42.67
Delta = 02°06'06" (RT)
D = 02°05'01"
T = 50.44'
R = 2750'
L = 100.87'
E = 0.46'
PC Sta. 14+92.23
PT Sta. 15+93.10
SE = N.C.

Prop. Curve LAP1-3
PI Sta. 19+51.64
Delta = 03°01'04" (RT)
D = 02°05'01"
T = 72.44'
R = 2750'
L = 144.84'
E = 0.95'
PC Sta. 18+79.21
PT Sta. 20+24.05
SE = N.C.

Prop. Curve LAP1-4
PI Sta. 21+51.84
Delta = 02°50'19" (LT)
D = 02°05'01"
T = 68.14'
R = 2750'
L = 136.24'
E = 0.84'
PC Sta. 20+83.70
PT Sta. 22+19.95
SE = N.C.

Prop. Curve LAP1-5
PI Sta. 31+20.48
Delta = 12°21'06" (LT)
D = 03°49'11"
T = 162.31'
R = 1500'
L = 323.37'
E = 8.76'
PC Sta. 29+58.16
PT Sta. 32+81.53
SE = 3%

CONTROL POINTS COORDINATES

STATION	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP CGI-101	CHISLED 'X' IN SIDEWALK	10000.00	10000.00	708.38
CP CGI-102	IRON PIPE IN GROUND	10000.00	10445.77	710.80
CP CGI-104	CHISLED 'X' IN SIDEWALK	9831.15	11137.32	720.53
CP CGI-105	PK NAIL IN BIKE PATH	9731.18	11703.69	728.44
CP CGI-106	PK NAIL IN BIKE PATH	9654.46	12598.26	737.85

LAPORTE ROAD CENTERLINE

STATION	NORTHING	EASTING
10+00.00	10021.80	10177.33
11+76.34 (PC)	9993.26	10351.35
12+21.72 (PI)	9985.91	10396.13
12+67.09 (PT)	9980.05	10441.13
14+92.23 (PC)	9950.95	10864.38
15+00.00	9949.94	10672.08
15+42.67 (PI)	9944.43	10714.40
15+93.10 (PT)	9936.08	10764.14
18+79.21 (PC)	9888.73	11046.30
19+51.64 (PI)	9876.74	11117.74

STATION	NORTHING	EASTING
20+00.00	9866.13	11164.95
20+24.05 (PT)	9861.01	11188.45
20+83.70 (PC)	9848.05	11246.68
21+51.84 (PI)	9833.25	11313.19
22+19.95 (PT)	9821.76	11380.35
25+00.00	9774.55	11856.39
29+58.16 (PC)	9697.30	12108.00
30+00.00	9690.83	12149.33
31+20.48 (PI)	9669.94	12267.99
32+81.53 (PT)	9677.43	12430.13
35+00.00	9687.52	12648.36

SCHOOL HOUSE ROAD CENTERLINE

STATION	NORTHING	EASTING
500+00	9690.07	12703.50
502+00	9890.04	12706.56

AL-1

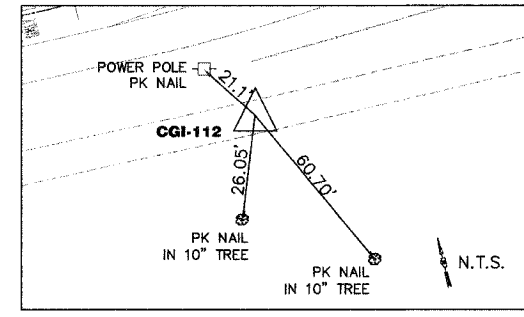
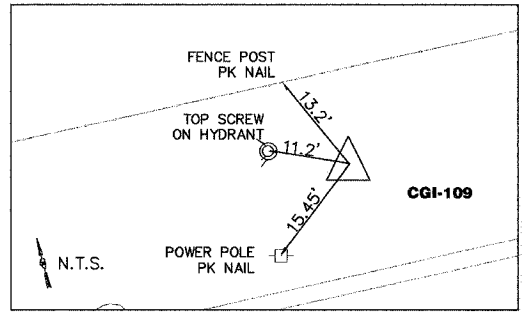
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60666
Tel. 773.775.4059 Fax 773.775.4014 Email clorba@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

ALIGNMENT & TIES
STATION 8+00 TO 37+00

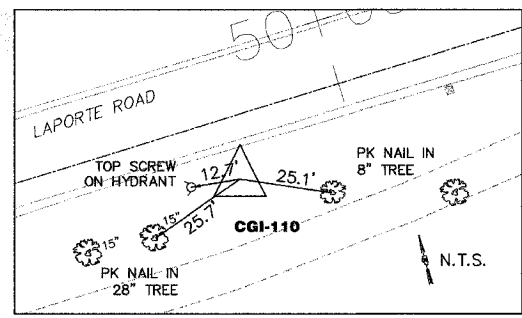
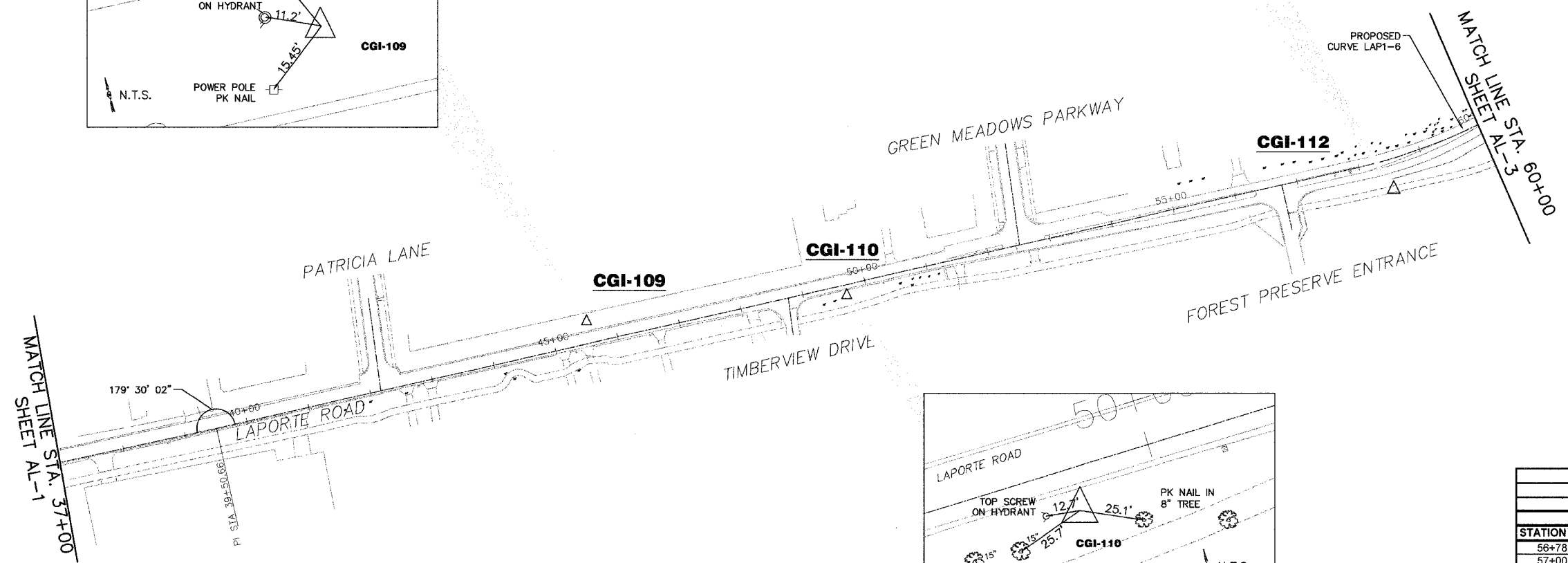
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DATE: DEC. 2005
SCALE: 1"=100'
FILE NO.: 3232



CURVE DATA

Prop. Curve LAP1-6
 PI Sta. 59+33.07
 Delta = 174°25' (LT)
 D = 06°21'58"
 T = 140.99'
 R = 900'
 L = 279.71'
 E = 10.98'
 PC Sta. 57+92.08
 PT Sta. 60+71.79
 SE = 3.6%



SUPERELEVATION TRANSITION					
CURVE LAP1-6					
STATION	CROSS SLOPE		ELEVATION		
	LT	RT	LT, EP	CL	RT, EP
56+78	-2.00%	-2.00%	734.63	735.01	734.63
57+00	-2.00%	-1.15%	734.79	735.17	734.95
57+20.3	-2.00%	-0.37%	734.86	735.24	735.17
57+50	-2.00%	0.78%	734.83	735.21	735.36
57+82	-2.02%	2.02%	734.22	734.60	734.98
58+00	-2.71%	2.71%	734.39	734.77	735.29
58+23	-3.60%	3.60%	733.036	733.72	734.40
60+41	-3.60%	3.60%	725.95	726.63	727.31
60+50	-3.25%	3.25%	722.78	723.16	723.78
60+82	-2.02%	2.02%	724.37	724.75	725.13
61+00	-2.00%	1.32%	724.17	724.55	724.80
61+50	-2.00%	-0.61%	722.78	723.16	723.04
61+86	-2.00%	-2.00%	721.62	722.00	721.62

CONTROL POINTS COORDINATES

STATION	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP CGI-109	IRON PIPE IN PARKWAY	9776.42	13702.90	733.74
CP CGI-110	IRON PIPE	9747.69	14114.48	732.54
CP CGI-112	PK NAIL IN BIKEPATH	9766.98	14993.69	732.90

LAPORTE ROAD CENTERLINE

STATION	NORTHING	EASTING
39+50.66 (PI)	9708.32	13098.54
40+00.00	9711.03	13147.81
45+00.00	9738.46	13647.06
50+00.00	9765.89	14146.30
55+00.00	9793.33	14645.55
57+92.08 (PC)	9809.35	14937.19
59+33.07 (PI)	9817.09	15077.97
60+00.00	9844.54	15141.64

NOTE: A NEGATIVE CROSS SLOPE INDICATES THE EDGE OF PAVEMENT IS LOWER THAN THE CENTERLINE.

AL-2



VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

ALIGNMENT & TIES
 STATION 37+00 TO 60+00

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 DRAWN: JCC
 CHECKED: SNS

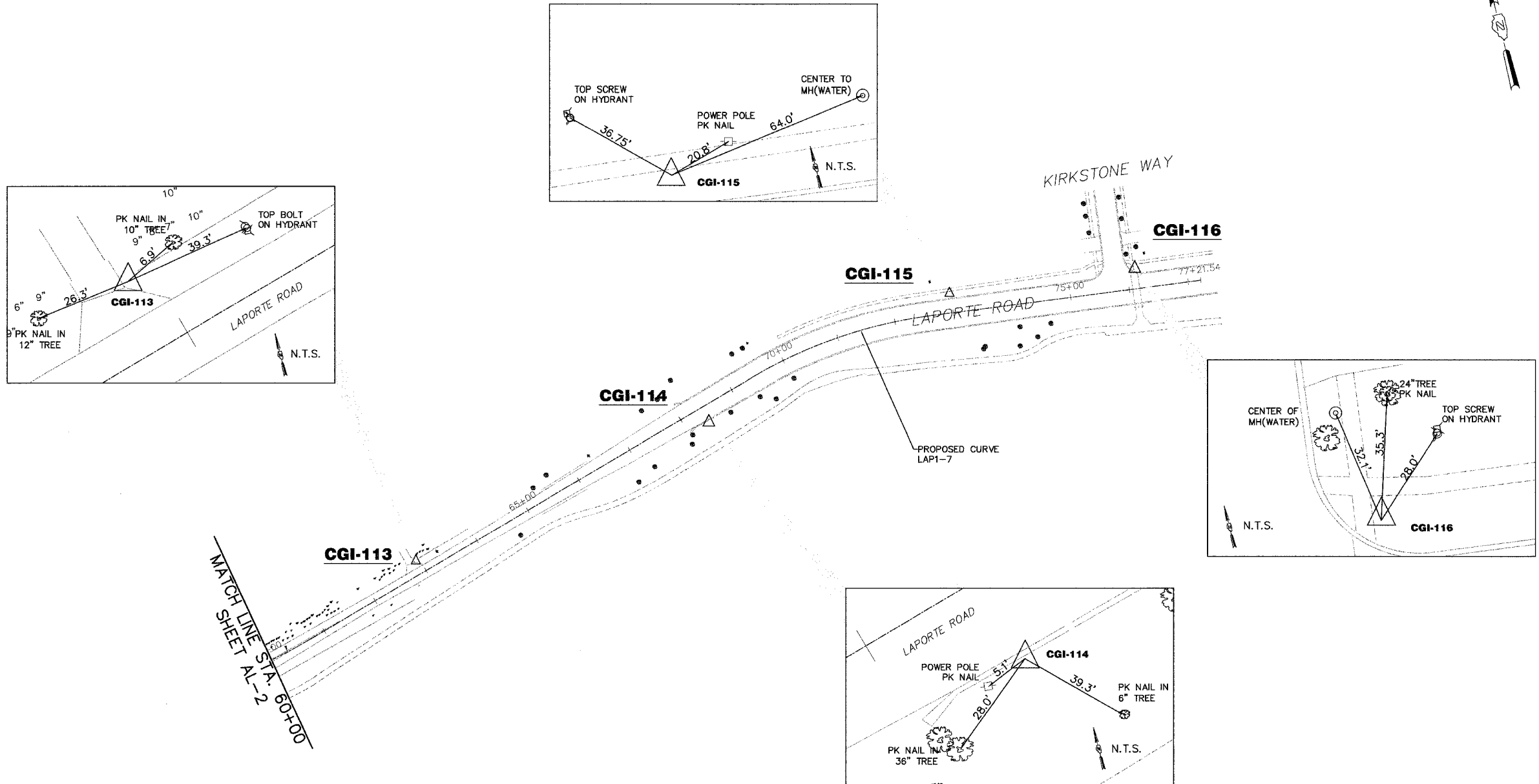
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CURVE DATA

Prop. Curve LAP1-7
 PI Sta. 71+00.76
 Delta = 23°09'09" (RT)
 D = 07'23'35"
 T = 158.75'
 R = 775'
 L = 313.17'
 E = 18.09'
 PC Sta. 69+42.01
 PT Sta. 72+55.18
 SE = N.C.



MATCH LINE STA. 60+00
 SHEET AL-2

CONTROL POINTS COORDINATES

STATION	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP CGI-113	IRON PIPE EAST OF DRIVEWAY	9967.36	15407.92	720.82
CP CGI-114	4" IRON PIPE BEHIND CURB	10115.03	15925.74	722.32
CP CGI-115	IRON PIPE IN PARKWAY	10262.83	16371.78	729.99
CP CGI-116	IRON PIPE IN PARKWAY	10251.62	16689.12	730.01

LAPORTE ROAD CENTERLINE

STATION	NORTHING	EASTING
60+71.79 (PT)	9867.51	15209.64
65+00.00	10020.63	15609.54
69+42.01 (PC)	10178.69	16022.32
70+00.00	10197.38	16077.20
71+00.76 (PI)	10235.45	16170.57
72+55.18 (PT)	10229.36	16329.20
75+00.00	10219.96	16573.85

AL-3



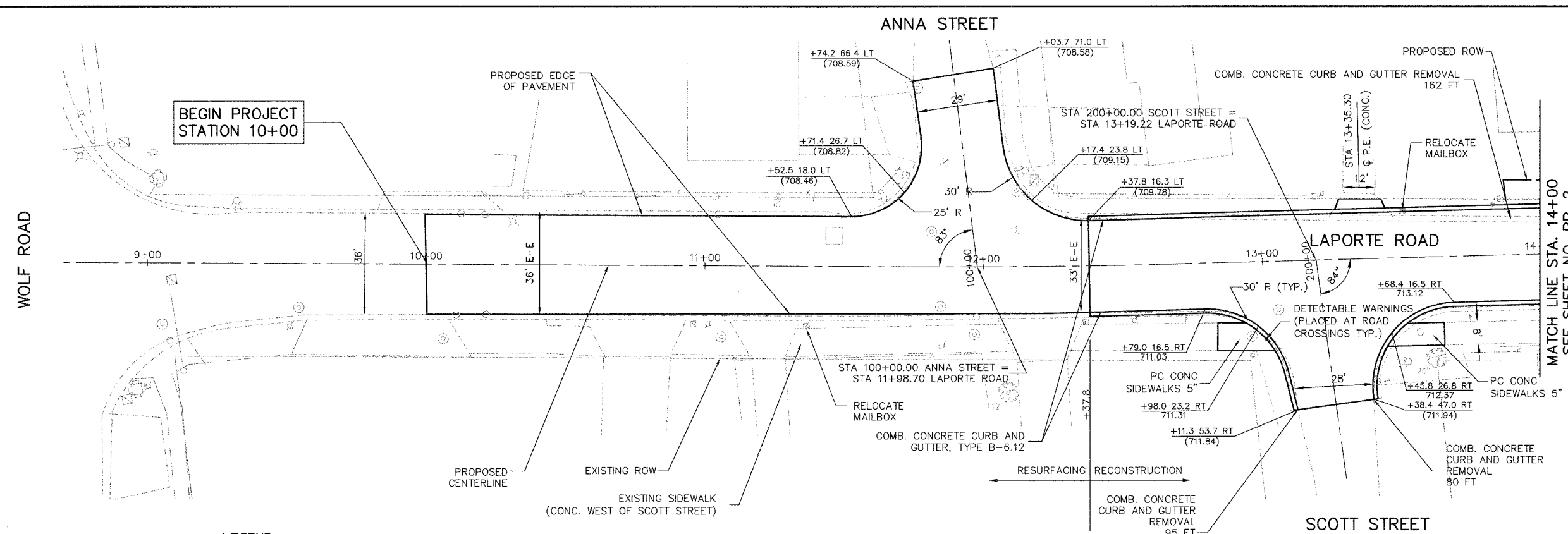
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

ALIGNMENT & TIES
 STATION 60+00 TO PROJECT LIMITS

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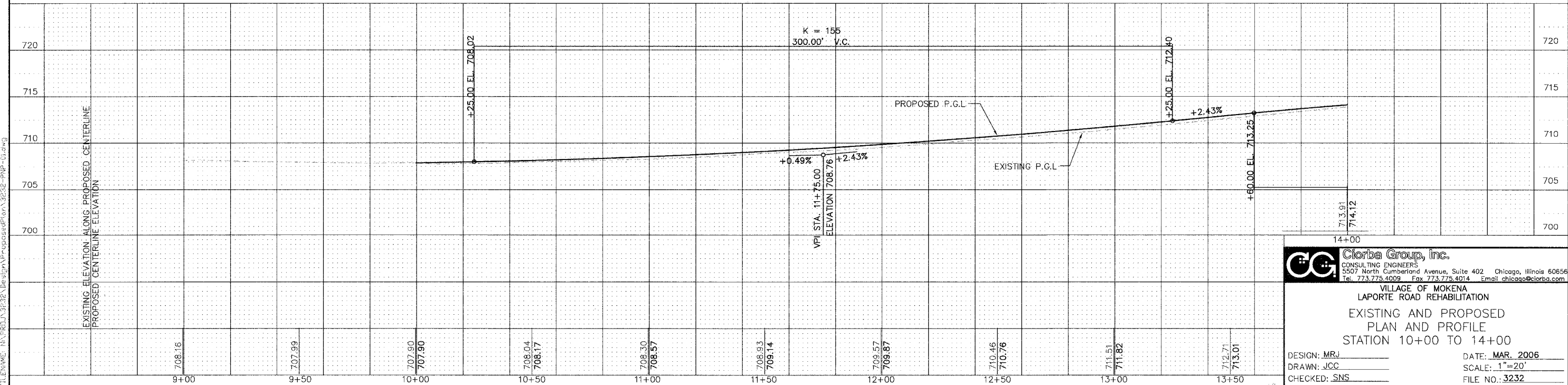
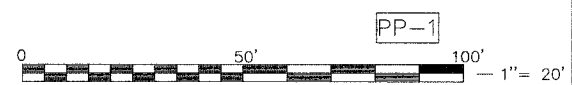
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E.A.V. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	12
PIWA REGION NO.	ILLINOIS PROJECT M--8003(200)		CONTRACT NO. 83825	
* 01-00029-00-FP				



- LEGEND**
- X TREE REMOVAL
 - PROPOSED DRIVEWAY PAVEMENT
 - REL RELOCATE

- NOTES:**
- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS
 - * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION
 - * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
 - * SEE LIGHTING REMOVAL PLAN SHEETS FOR REMOVAL OF LIGHTING ITEMS.

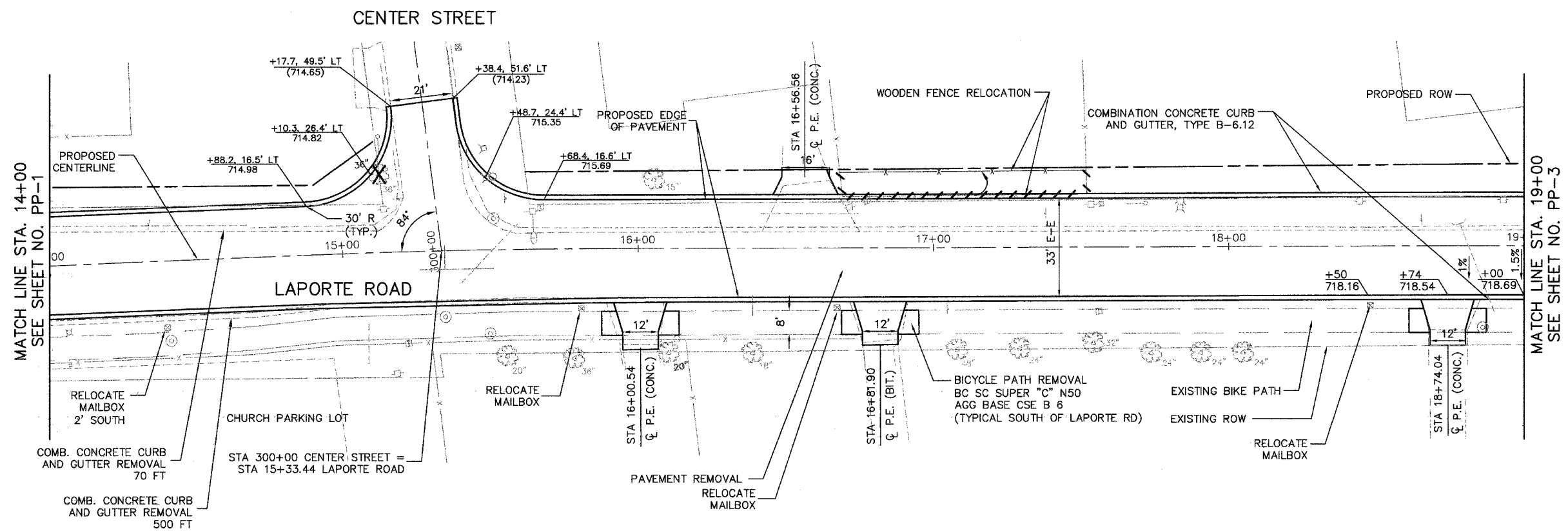


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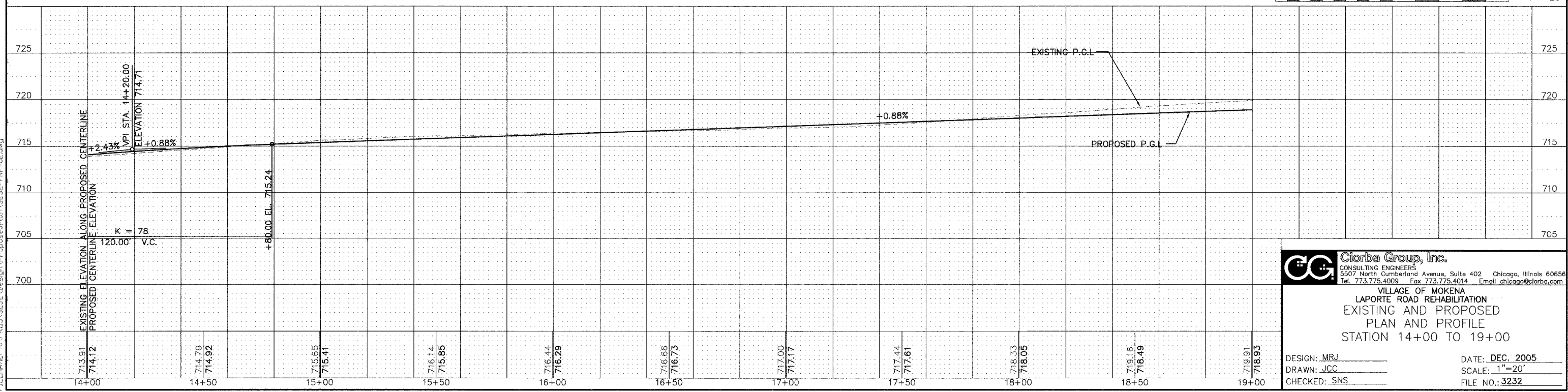
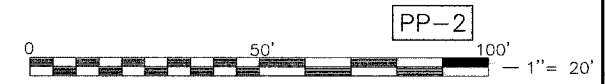
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 EXISTING AND PROPOSED
 PLAN AND PROFILE
 STATION 10+00 TO 14+00

DESIGN: MRJ _____ DATE: MAR. 2006
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- LEGEND**
- X TREE REMOVAL
 - PROPOSED DRIVEWAY PAVEMENT
 - REL RELOCATE

- NOTES:**
- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS.
 - * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION.
 - * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
 - * SEE LIGHTING REMOVAL PLAN SHEETS FOR REMOVAL OF LIGHTING ITEMS.



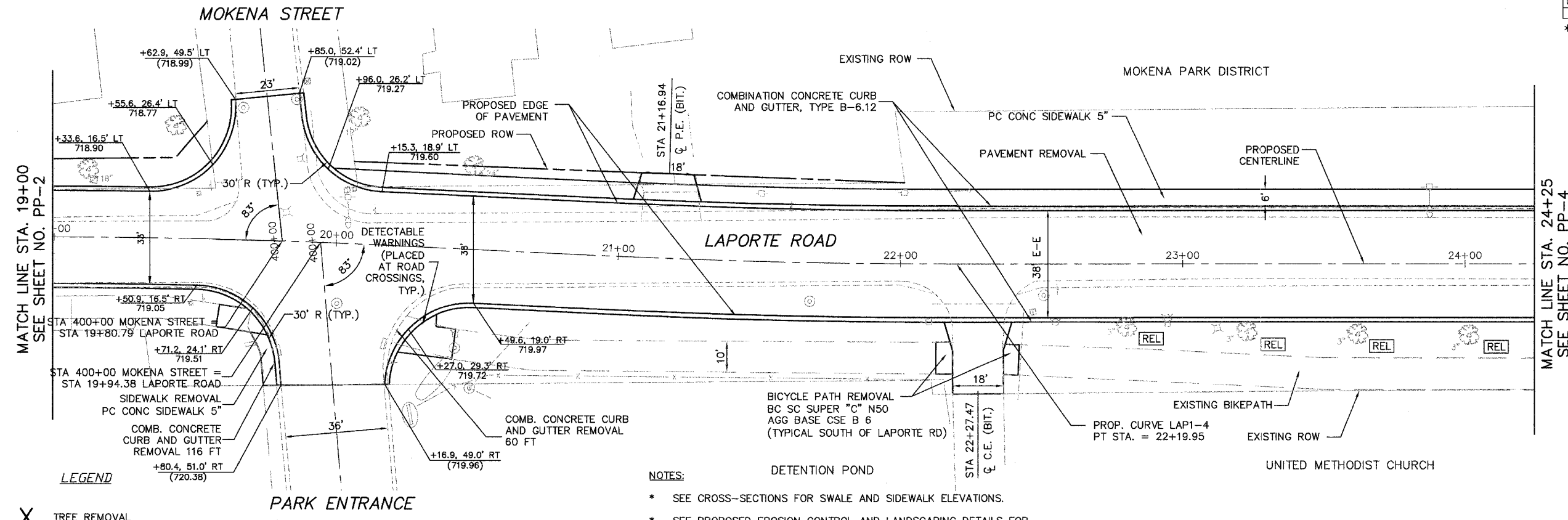
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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
EXISTING AND PROPOSED
PLAN AND PROFILE
STATION 14+00 TO 19+00

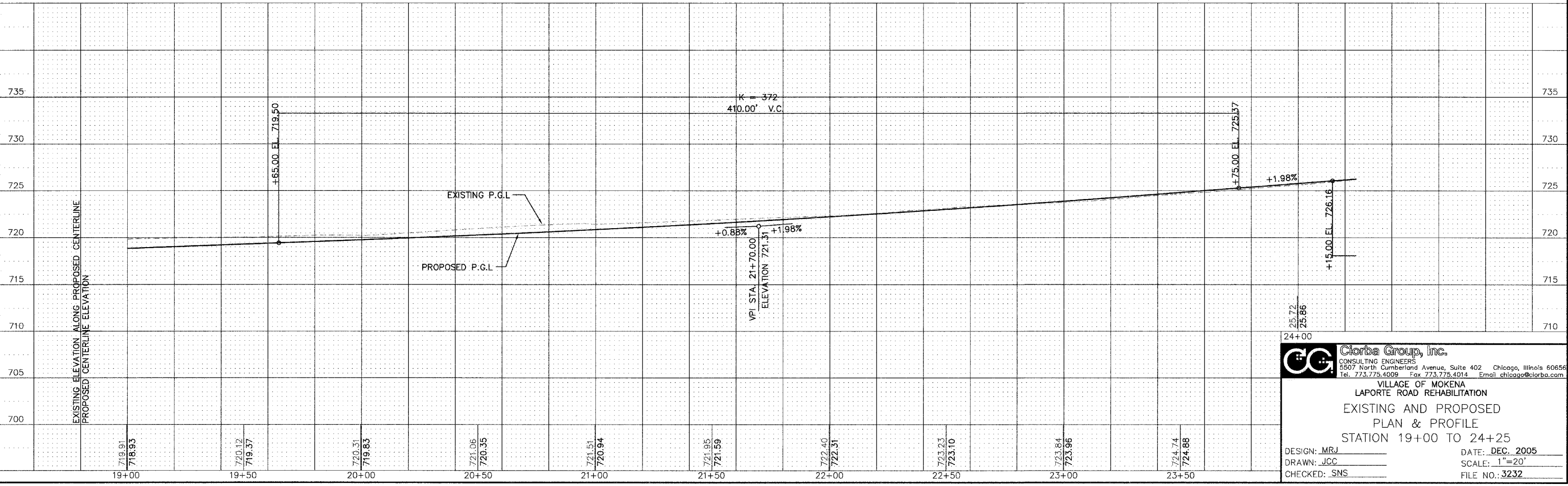
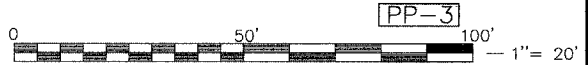
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- NOTES:**
- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS.
 - * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION.
 - * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
 - * SEE LIGHTING REMOVAL PLAN SHEETS FOR REMOVAL OF LIGHTING ITEMS.



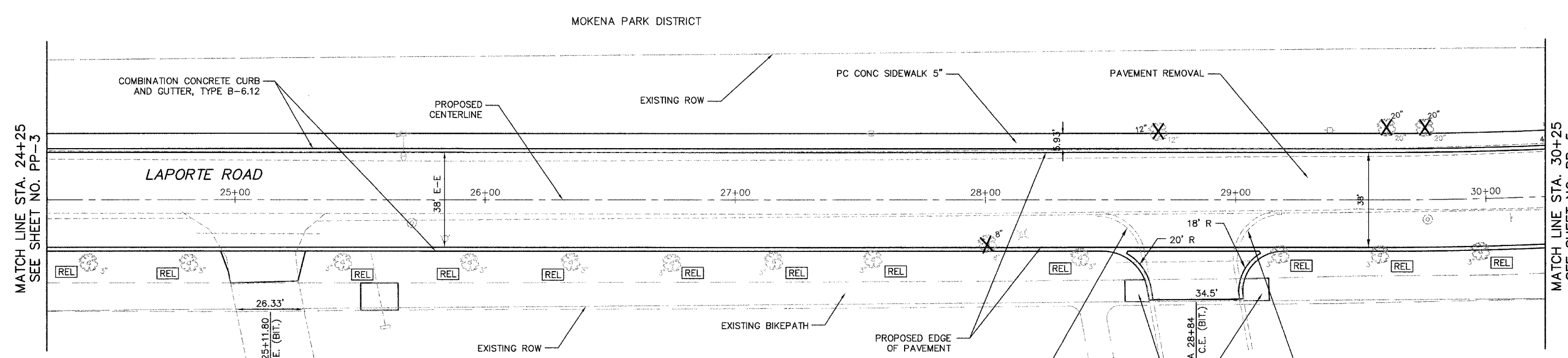
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CONSULTING ENGINEERS
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**VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
EXISTING AND PROPOSED
PLAN & PROFILE
STATION 19+00 TO 24+25**

DESIGN: MRJ
DRAWN: JCC
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

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CHURCH ENTRANCE

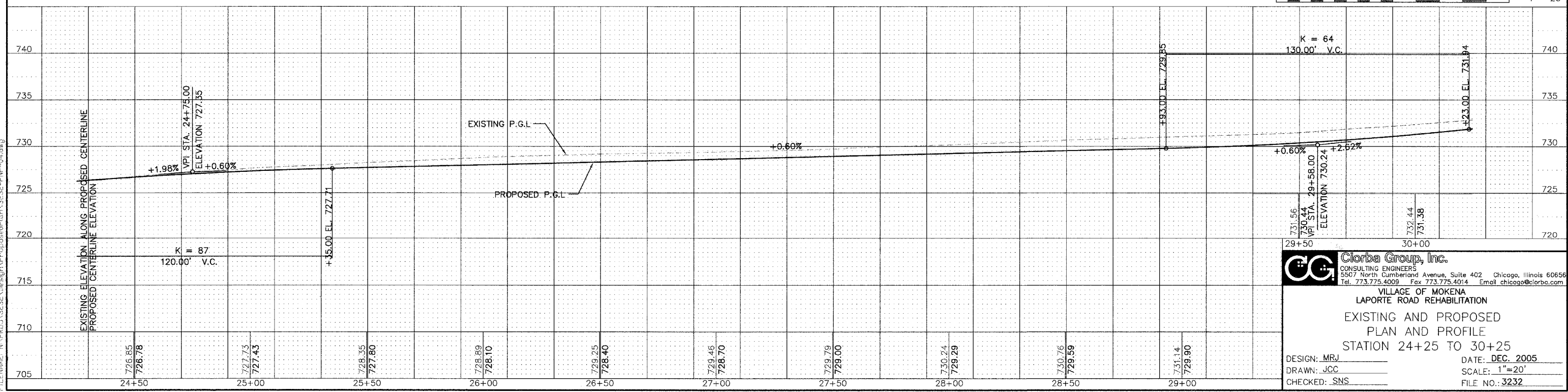
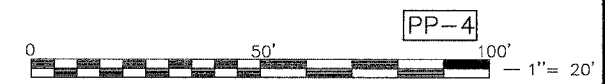
LEGEND

- X TREE REMOVAL
- PROPOSED DRIVEWAY PAVEMENT
- REL RELOCATE

NOTES:

- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS.
- * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION.
- * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
- * SEE LIGHTING REMOVAL PLAN SHEETS FOR REMOVAL OF LIGHTING ITEMS.

BICYCLE PATH REMOVAL
 BC SC SUPER "C" N50
 AGG BASE CSE B 6
 (TYPICAL SOUTH OF LAPORTE RD)



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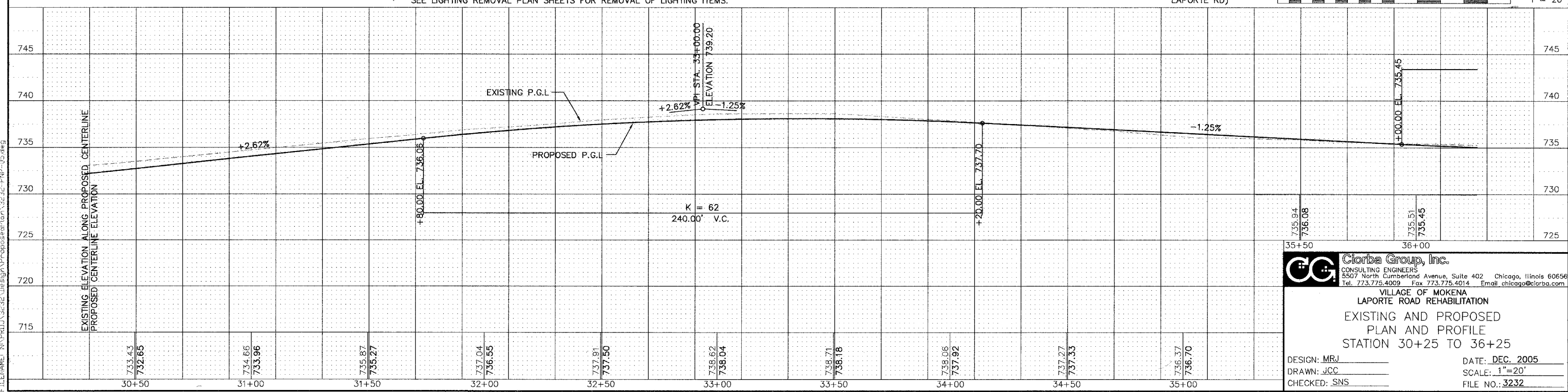
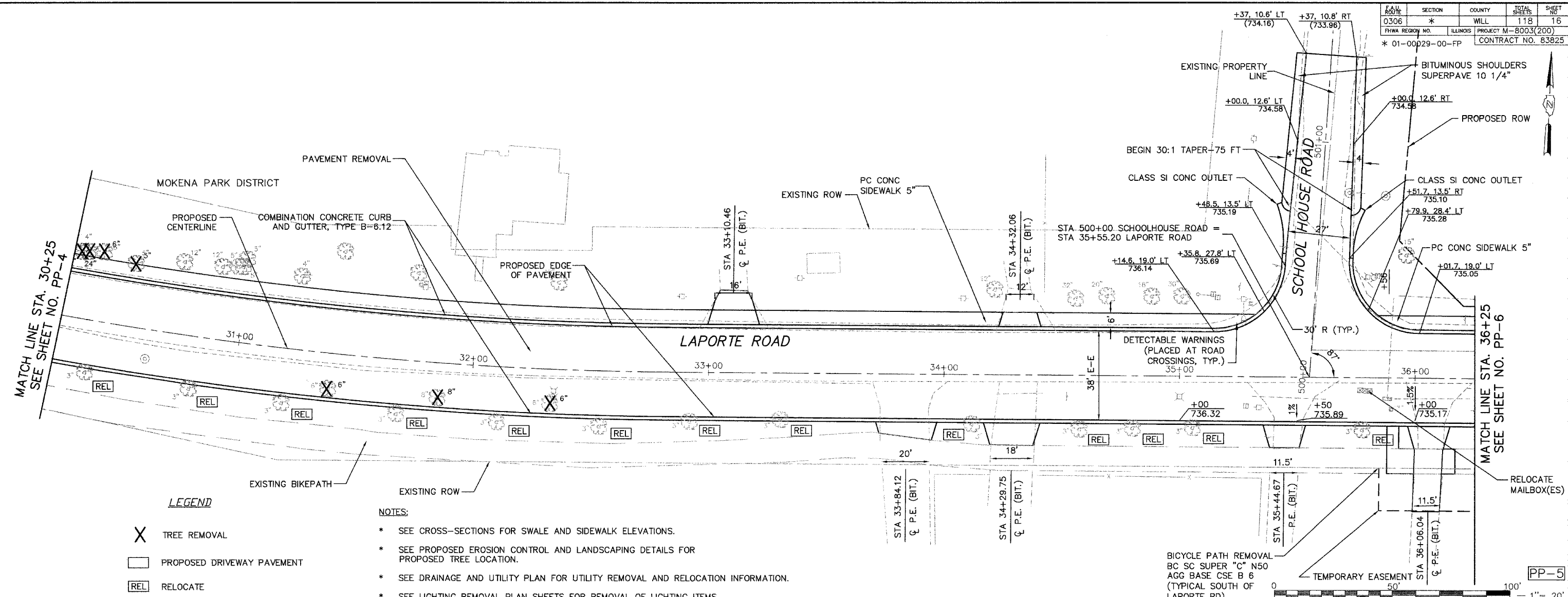
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 EXISTING AND PROPOSED
 PLAN AND PROFILE
 STATION 24+25 TO 30+25

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DATE: DEC. 2005
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F.A.M. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	16
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)	CONTRACT NO. 83825	
* 01-00029-00-FP				



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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 EXISTING AND PROPOSED
 PLAN AND PROFILE
 STATION 30+25 TO 36+25

DESIGN: MRJ DATE: DEC. 2005
 DRAWN: JCC SCALE: 1"=20'
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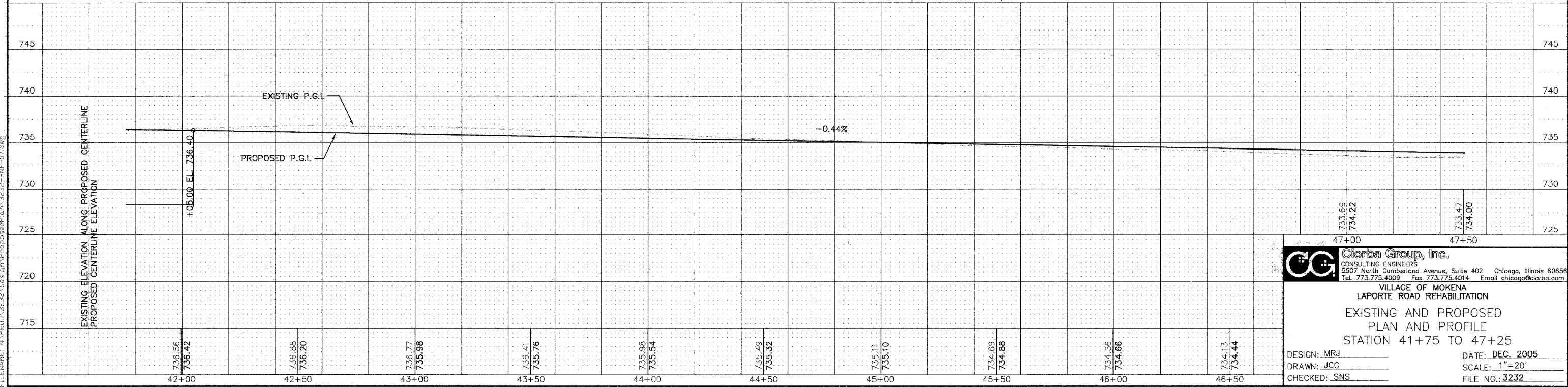
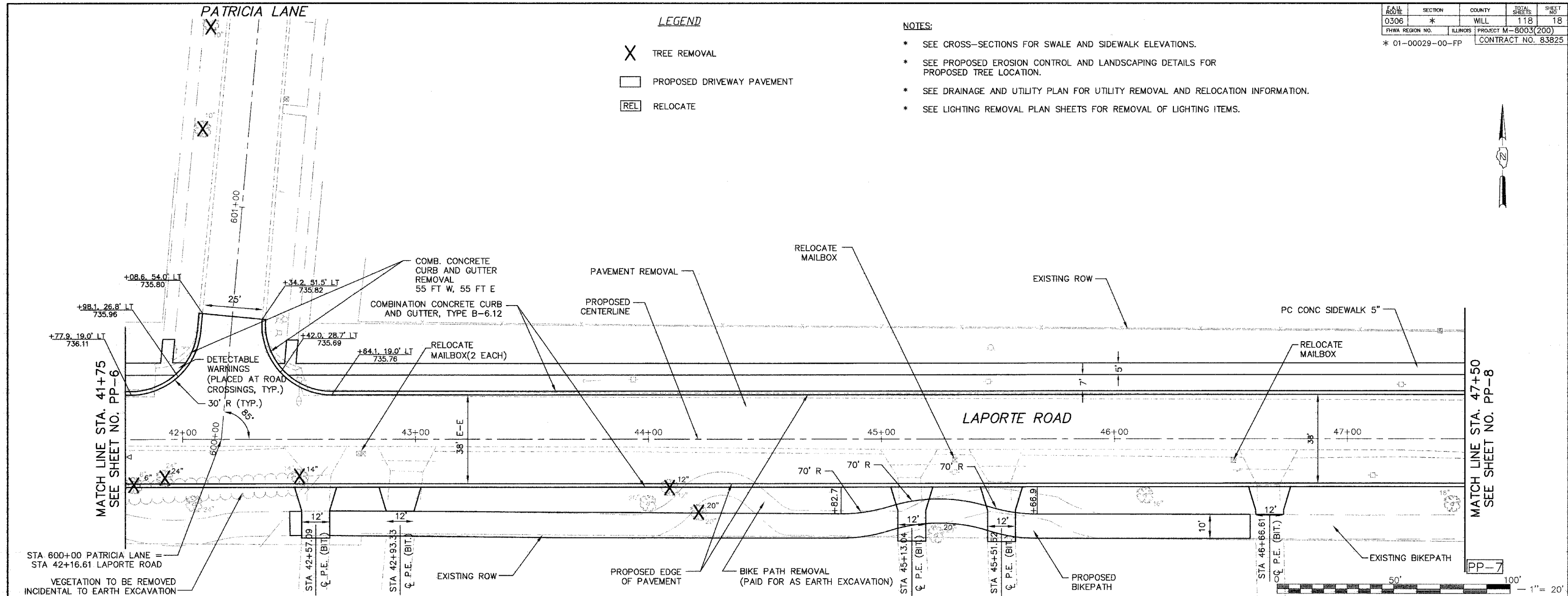
FED. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	18
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)	CONTRACT NO. 83825	
* 01-00029-00-FP				

LEGEND

- X TREE REMOVAL
- PROPOSED DRIVEWAY PAVEMENT
- REL RELOCATE

NOTES:

- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS.
- * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION.
- * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
- * SEE LIGHTING REMOVAL PLAN SHEETS FOR REMOVAL OF LIGHTING ITEMS.



CG Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@ciorba.com

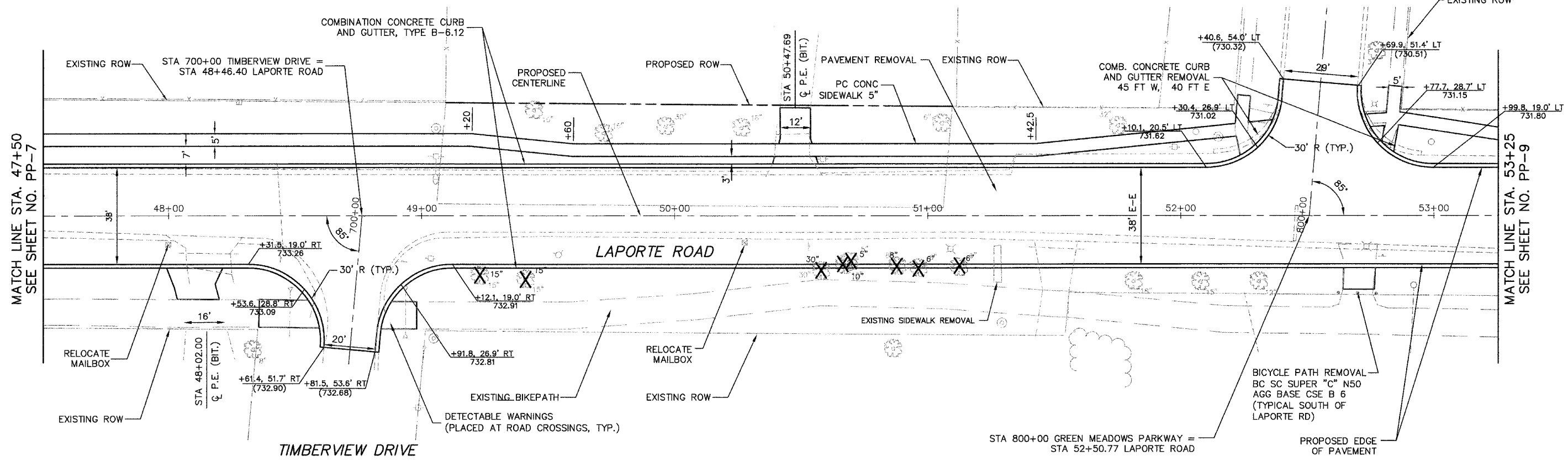
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 EXISTING AND PROPOSED
 PLAN AND PROFILE
 STATION 41+75 TO 47+25

DESIGN: MRJ
 DRAWN: JCC
 CHECKED: SNS

DATE: DEC. 2005
 SCALE: 1"=20'
 FILE NO.: 3232

PLOT DATE: Feb 07, 2016 - 5:41pm
 FILENAME: N:\PROJ\3232\Design\ProposedPlan\3232-PNF-07.dwg

GREEN MEADOWS PARKWAY



MATCH LINE STA. 47+50
SEE SHEET NO. PP-7

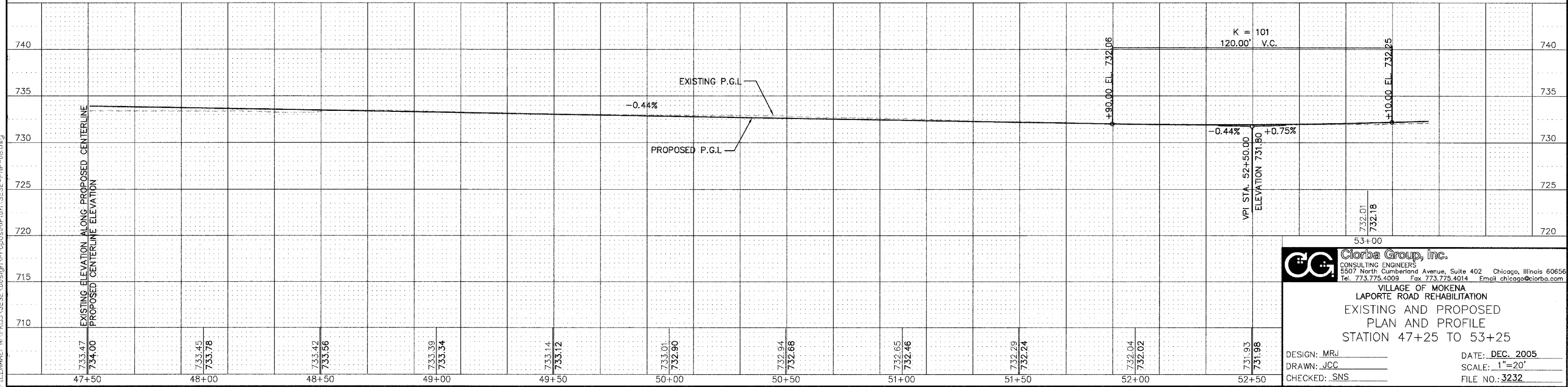
MATCH LINE STA. 53+25
SEE SHEET NO. PP-9

LEGEND

- X TREE REMOVAL
- PROPOSED DRIVEWAY PAVEMENT
- REL RELOCATE

NOTES:

- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS.
- * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION.
- * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
- * SEE LIGHTING REMOVAL PLAN SHEETS FOR REMOVAL OF LIGHTING ITEMS.



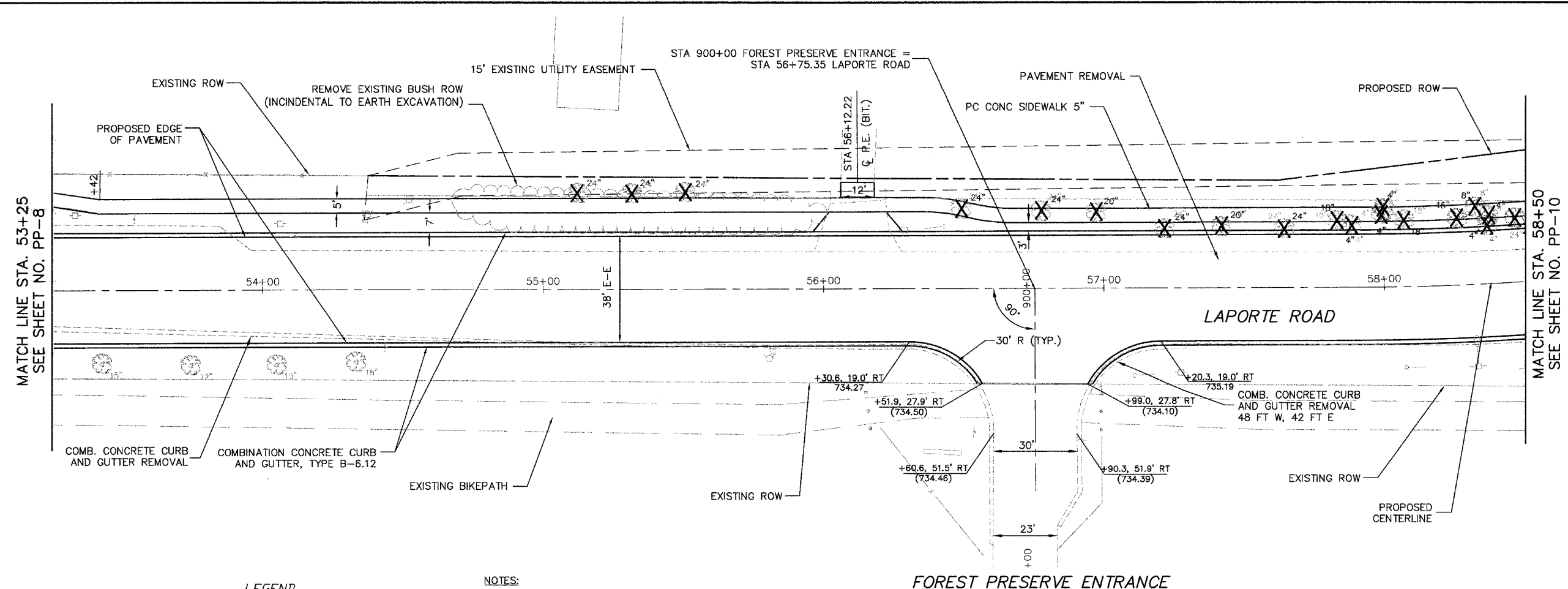
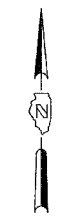
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Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
EXISTING AND PROPOSED
PLAN AND PROFILE
STATION 47+25 TO 53+25

DESIGN: MRJ
DRAWN: JCC
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PLOT DATE: Dec 22, 2005 10:41am
 FILENAME: N:\PROJECTS\3232\Design\Proposed\Plan\3232-PP-08.dwg



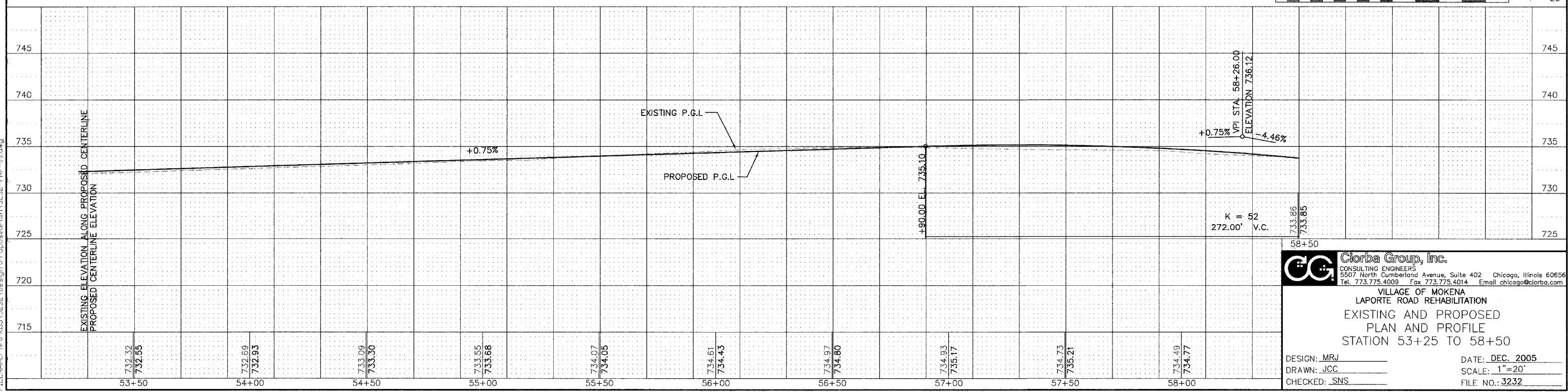
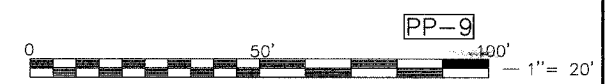
LEGEND

- TREE REMOVAL
- PROPOSED DRIVEWAY PAVEMENT
- RELOCATE

NOTES:

- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS.
- * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION.
- * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
- * SEE LIGHTING REMOVAL PLAN SHEET FOR REMOVAL OF LIGHTING ITEMS.

FOREST PRESERVE ENTRANCE



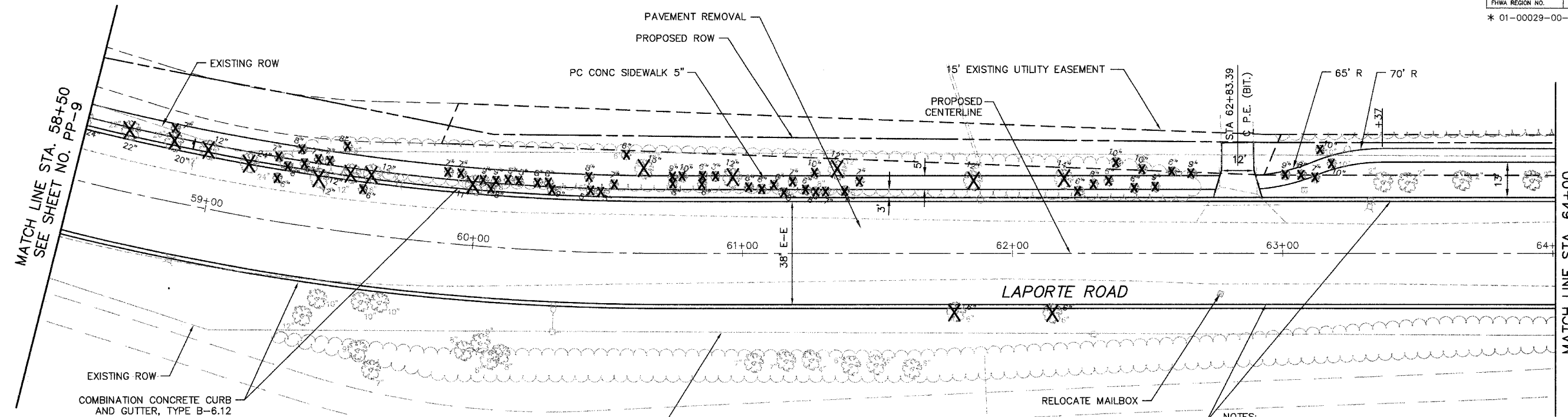
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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
EXISTING AND PROPOSED
PLAN AND PROFILE
STATION 53+25 TO 58+50

DESIGN: MRJ
DRAWN: JCC
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PLI DATE: Dec 22, 2005 - 10:42am
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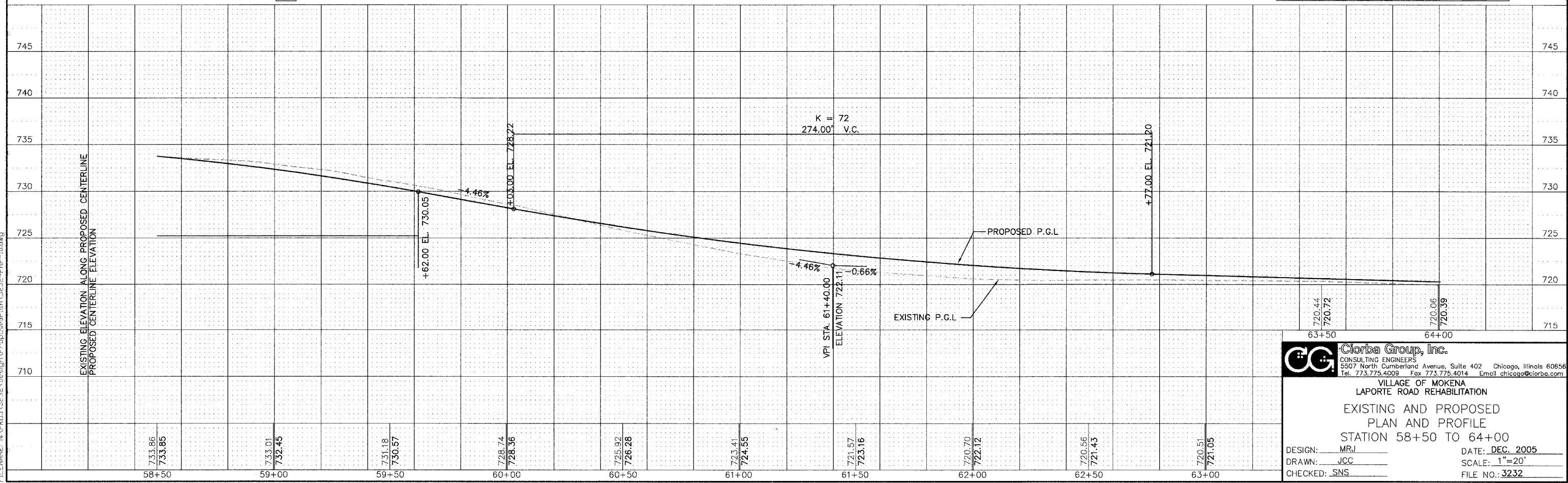


MATCH LINE STA. 58+50
SEE SHEET NO. PP-9

MATCH LINE STA. 64+00
SEE SHEET NO. PP-11

- X TREE REMOVAL
- PROPOSED DRIVEWAY PAVEMENT
- REL RELOCATE

- NOTES:
- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS.
 - * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION.
 - * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
 - * SEE LIGHTING REMOVAL PLAN SHEETS FOR REMOVAL OF LIGHTING ITEMS.



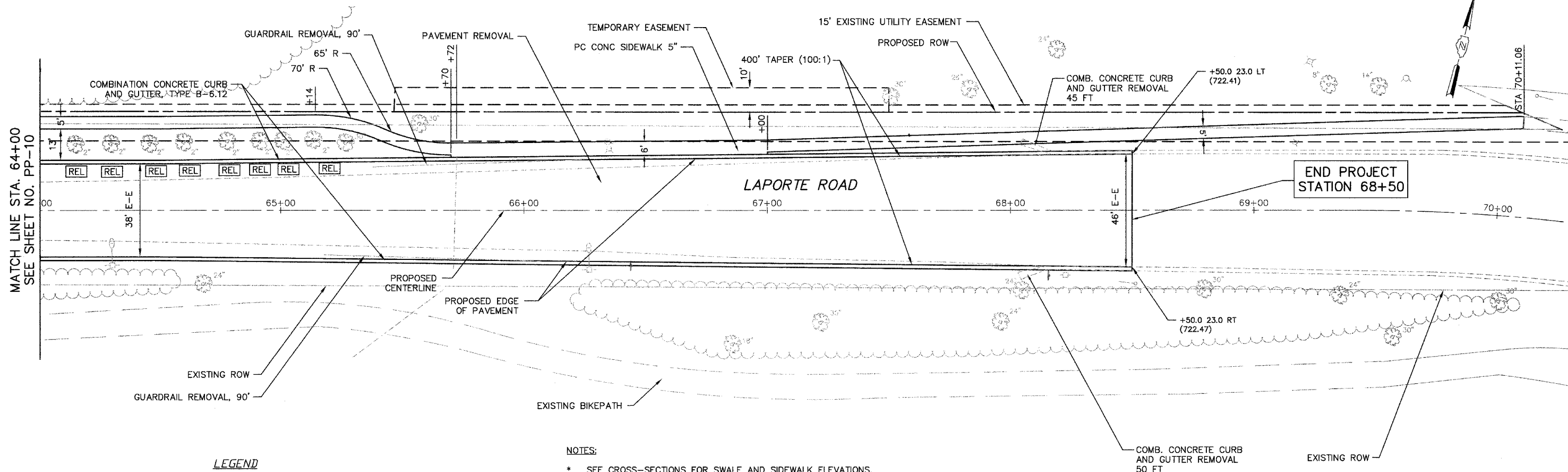
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CONSULTING ENGINEERS
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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
EXISTING AND PROPOSED
PLAN AND PROFILE
STATION 58+50 TO 64+00

DESIGN: MRJ
DRAWN: JCC
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PL111 0A1E1 Dec 22, 2005 10:46am
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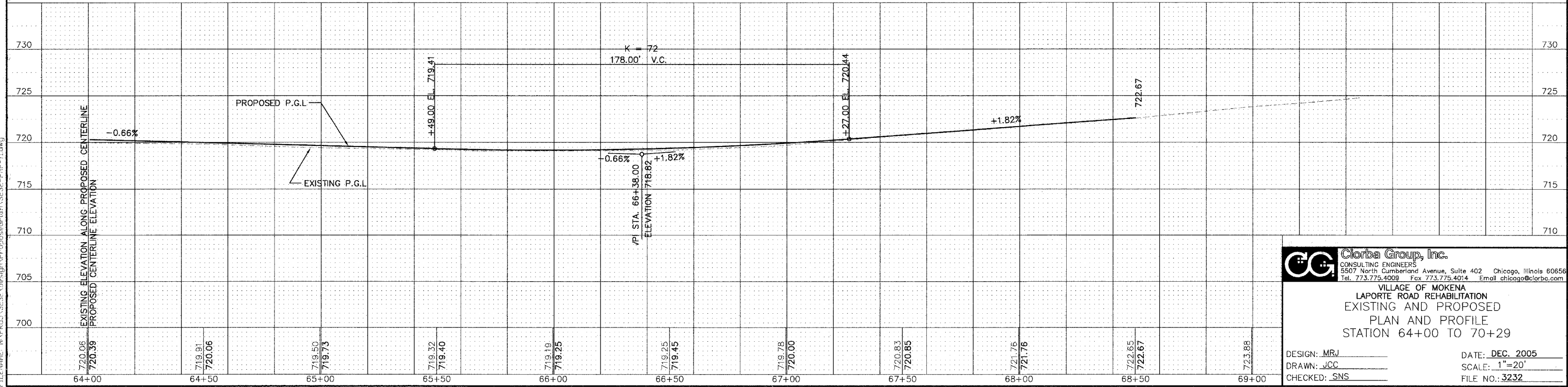


MATCH LINE STA. 64+00
SEE SHEET NO. PP-10

END PROJECT
STATION 68+50

- LEGEND**
- X TREE REMOVAL
 - PROPOSED DRIVEWAY PAVEMENT
 - REL RELOCATE

- NOTES:**
- * SEE CROSS-SECTIONS FOR SWALE AND SIDEWALK ELEVATIONS.
 - * SEE PROPOSED EROSION CONTROL AND LANDSCAPING DETAILS FOR PROPOSED TREE LOCATION.
 - * SEE DRAINAGE AND UTILITY PLAN FOR UTILITY REMOVAL AND RELOCATION INFORMATION.
 - * SEE LIGHTING REMOVAL PLAN SHEETS FOR REMOVAL OF LIGHTING ITEMS.



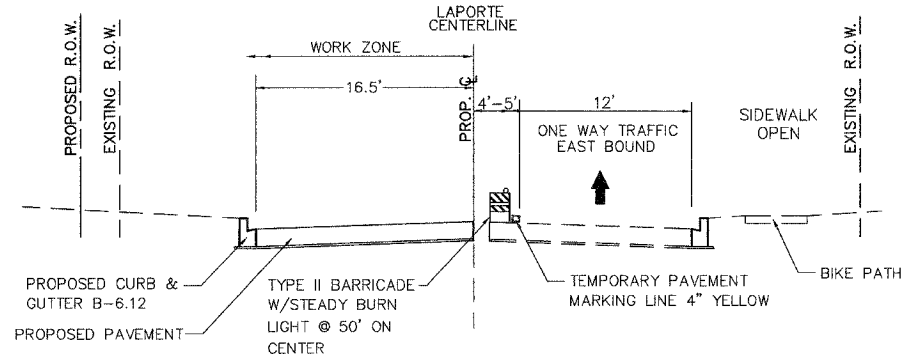
CG Clorba Group, Inc.
CONSULTING ENGINEERS
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Tel. 773.775.4008 Fax 773.775.4014 Email chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
EXISTING AND PROPOSED
PLAN AND PROFILE
STATION 64+00 TO 70+29

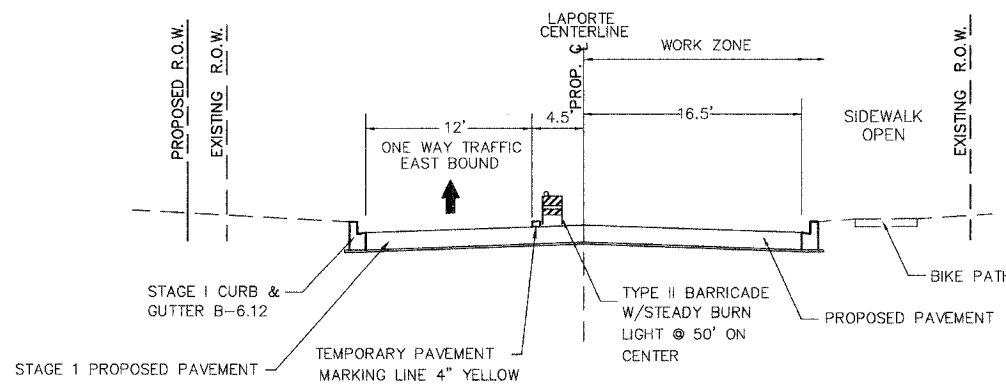
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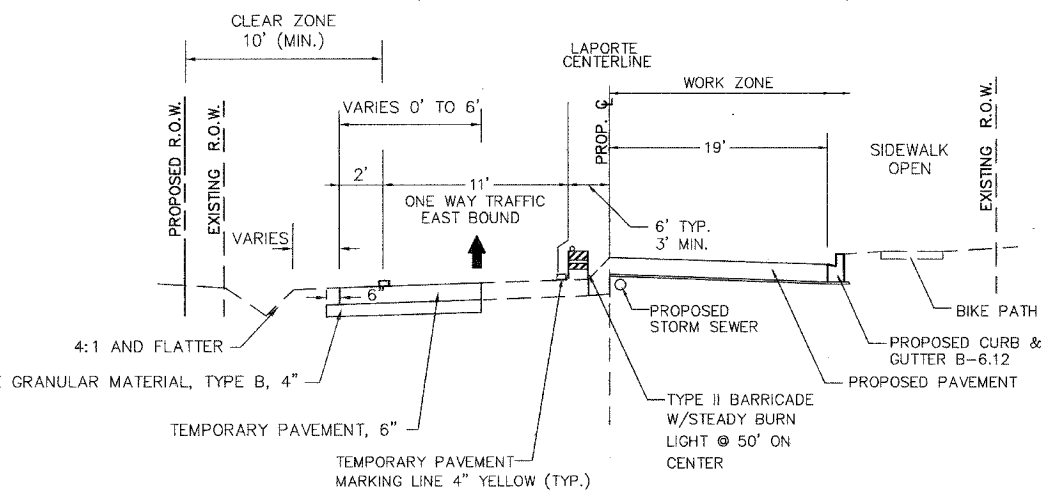
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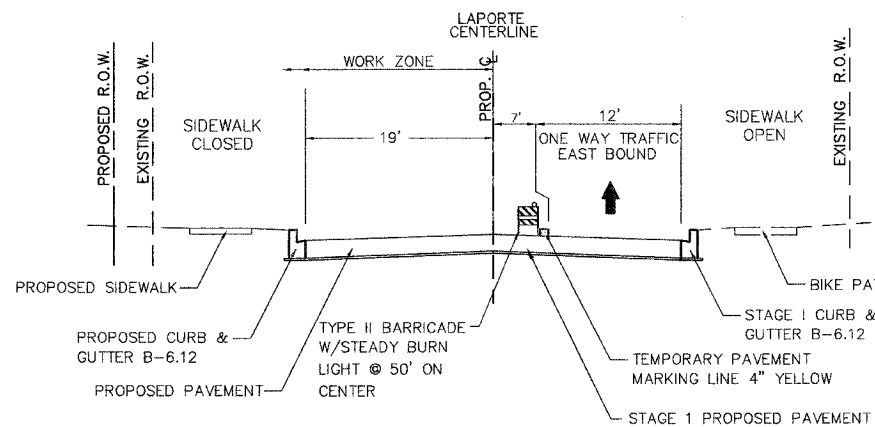
SEGMENT I STAGE I
M.O.T. TYPICAL WORK ZONE
DURING WESTBOUND RECONSTRUCTION
(WOLF ROAD TO MOKENA STREET)



SEGMENT I STAGE II
M.O.T. TYPICAL WORK ZONE
DURING EASTBOUND RECONSTRUCTION
(WOLF ROAD TO MOKENA STREET)



SEGMENT II STAGE I
M.O.T. TYPICAL WORK ZONE
DURING EASTBOUND RECONSTRUCTION
(MOKENA STREET TO KIRKSTONE WAY)



SEGMENT II STAGE II
M.O.T. TYPICAL WORK ZONE
DURING WESTBOUND RECONSTRUCTION
(MOKENA STREET TO KIRKSTONE WAY)

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN 24-HOUR ACCESS TO PUBLIC AND PRIVATE PROPERTIES FOR EMERGENCY VEHICLES AT ALL TIMES.
2. LOADED CONSTRUCTION VEHICLES WILL NOT BE ALLOWED ON LAPORTE ROAD BETWEEN KIRKSTONE WAY AND US ROUTE 45.
3. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2003, THE DETAILS IN THESE PLANS, AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
4. DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. LANE WIDTHS SHALL BE A MINIMUM OF 10 FEET.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, LIGHTS AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THIS CONSTRUCTION IS IN EFFECT. THIS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION.
6. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE CONSTRUCTION IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.
7. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED SHALL MEET THE REQUIREMENTS FOR TYPE-A LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
8. SIDEWALK / PAVED TRAIL ACCESS SHALL BE MAINTAINED ON ONE SIDE OF THE STREET AT ALL TIMES. CLOSED SIDEWALKS AND TRAILS SHALL BE APPROPRIATELY BARRICADED. USE STANDARD 701801-03.
9. TEMPORARY PAVEMENT MARKING SHALL BE USED AS DIRECTED BY THE ENGINEER.
10. TEMPORARY ACCESS SHALL BE CONSTRUCTED AT ALL CROSS STREETS TO MAINTAIN CROSS STREET THROUGH-TRAFFIC. IT SHALL BE INSTALLED DURING THE SAME DAY THAT THE INTERSECTION PAVEMENT IS REMOVED AND REMAIN IN PLACE UNTIL DIRECTED BY THE ENGINEER TO REMOVE IT. THIS WORK SHALL BE PAID FOR AS AGGREGATE SURFACE COURSE, TYPE B.
11. CONSTRUCTION OPERATIONS THROUGH COMMERCIAL DRIVEWAYS SHALL BE STAGED IN A MANNER THAT WILL ELIMINATE ONLY ONE ACCESS POINT AT A TIME. THE REMAINING ACCESS POINTS SHALL BE MAINTAINED WITH A TEMPORARY SURFACE, AS DIRECTED BY THE ENGINEER, TO PROVIDE SAFE PASSAGE TO DELIVERY TRUCKS AND CUSTOMERS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE DRIVEWAY PAVEMENT PAY ITEM.
12. THE COST OF REMOVING TEMPORARY PAVEMENT (FROM TOP OF SURFACE TO SUBGRADE) SHALL BE PAID FOR AS PAVEMENT REMOVAL.
13. USE STANDARD DRAWING FOR "TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS" WHERE APPROPRIATE.

SUGGESTED CONSTRUCTION STAGING AND TRAFFIC CONTROL

I. PRE-STAGE I

1. UTILITY RE-LOCATE BY OTHERS.
2. INSTALL TEMPORARY EROSION CONTROL THROUGHOUT THE PROJECT SITE.
3. INSTALL STORM SEWER, SANITARY SEWER AND EXTEND PIPE CULVERTS WHERE INDICATED ON PLANS.
4. INSTALL TEMPORARY ROADWAY PATCHES AT ALL STORM SEWER CROSSINGS WITHIN RECONSTRUCTION LIMITS. TEMPORARY PATCHES WILL BE PAID FOR AS TEMPORARY PAVEMENT. ALL DRIVEWAYS SHALL MAINTAIN ACCESS WITH AGGREGATE FOR TEMPORARY ACCESS (PAID FOR AS AGGREGATE SURFACE COURSE, TYPE B).
5. TEMPORARY TYPE 8 GRATES WITH PROPER EROSION CONTROL SHALL BE PLACED AT ALL DRAINAGE STRUCTURES TO MAINTAIN DRAINAGE DURING CONSTRUCTION. GRATES SHALL BE REPLACED WITH REQUIRED GRATES WHEN PAVEMENT AND CURB & GUTTER IS INSTALLED. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THE TEMPORARY GRATES.

II. SEGMENT I, STAGE I

A. CONSTRUCTION

1. REMOVE EXISTING WESTBOUND PAVEMENT AND CURB AND GUTTER.
2. INSTALL PROPOSED DRAINAGE STRUCTURES.
3. PLACE CURB AND GUTTER, DRIVEWAYS AND PAVE WESTBOUND HALF OF ROADWAY.
4. INSTALL TEMPORARY PAVEMENT AT MOKENA STREET.

B. TRAFFIC CONTROL

1. TRAFFIC MAINTAINED AS SHOWN IN "MOT TYPICAL SEGMENT I STAGE I".
2. ROADWAY CLOSED TO WESTBOUND TRAFFIC WOLF ROAD TO MOKENA STREET.
3. ROADWAY OPEN TO LOCAL WESTBOUND TRAFFIC MOKENA STREET TO KIRKSTONE WAY.

III. SEGMENT I, STAGE II

A. CONSTRUCTION

1. REMOVE EXISTING EASTBOUND PAVEMENT AND CURB AND GUTTER.
2. INSTALL PROPOSED DRAINAGE STRUCTURES.
3. PLACE CURB AND GUTTER, DRIVEWAYS AND PAVE EASTBOUND HALF OF ROADWAY.
4. STAGE CONSTRUCTION AT MOKENA STREET TO MAINTAIN TWO LANES FOR ACCESS/EGRESS TO PARK ENTRANCE.

B. TRAFFIC CONTROL

1. TRAFFIC MAINTAINED AS SHOWN IN "MOT TYPICAL SEGMENT I STAGE 2".
2. ROADWAY CLOSED TO WESTBOUND TRAFFIC WOLF ROAD TO MOKENA STREET.
3. ROADWAY OPEN TO LOCAL WESTBOUND TRAFFIC MOKENA STREET TO KIRKSTONE WAY.

IV. SEGMENT II, STAGE I

A. CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT PRIOR TO CLOSURE OF WESTBOUND TRAFFIC USING STANDARD 701501-02.
2. REMOVE EXISTING EASTBOUND PAVEMENT TO PROPOSED CENTERLINE.
3. INSTALL PROPOSED DRAINAGE MAINLINE AND EASTBOUND ROADWAY STRUCTURES.
4. PLACE CURB AND GUTTER, PORTIONS OF THE BICYCLE PATH, DRIVEWAYS AND PAVE EASTBOUND ROADWAY TO PROPOSED CENTERLINE.
5. LANDSCAPE EASTBOUND SIDE OF PROJECT.

B. TRAFFIC CONTROL

1. TRAFFIC MAINTAINED AS SHOWN IN "MOT TYPICAL SEGMENT II STAGE I".
2. ROADWAY CLOSED TO WESTBOUND TRAFFIC MOKENA STREET TO KIRKSTONE WAY.
3. ROADWAY OPEN TO LOCAL WESTBOUND TRAFFIC WOLF ROAD TO MOKENA STREET.

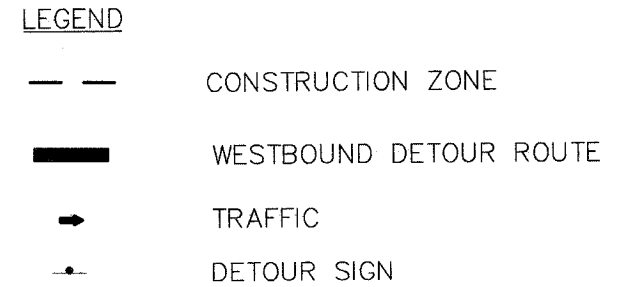
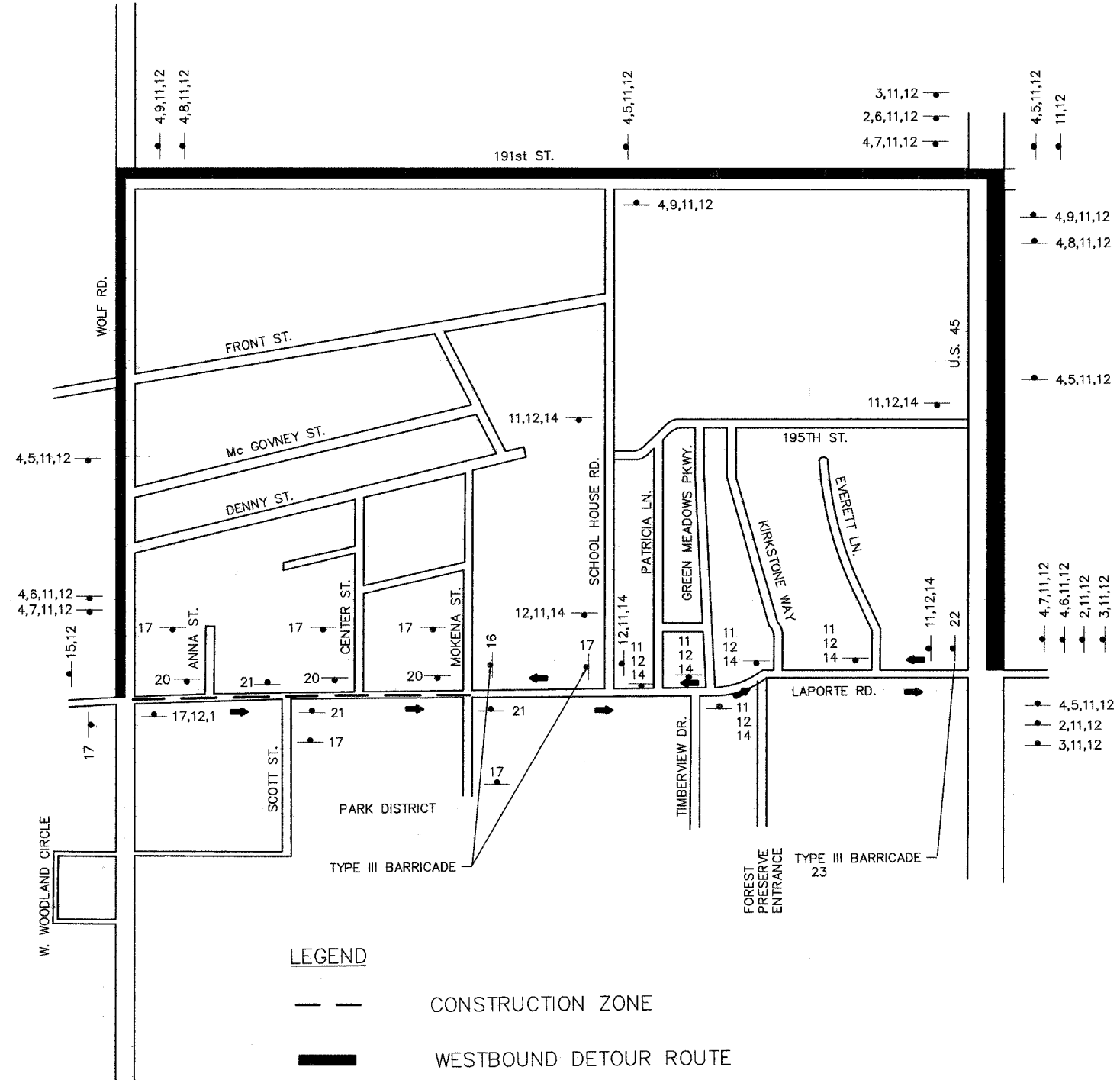
V. SEGMENT II, STAGE II

A. CONSTRUCTION

1. REMOVE EXISTING WESTBOUND PAVEMENT TO PROPOSED CENTERLINE.
2. INSTALL PROPOSED WESTBOUND ROADWAY DRAINAGE STRUCTURES.
3. PLACE CURB AND GUTTER AND PAVE WESTBOUND ROADWAY TO PROPOSED CENTERLINE.
4. PLACE SIDEWALK AND DRIVES.
5. INSTALL MAILBOXES.
6. LANDSCAPE WESTBOUND SIDE OF PROJECT.
7. REMOVE DETOUR ROUTE.

B. TRAFFIC CONTROL

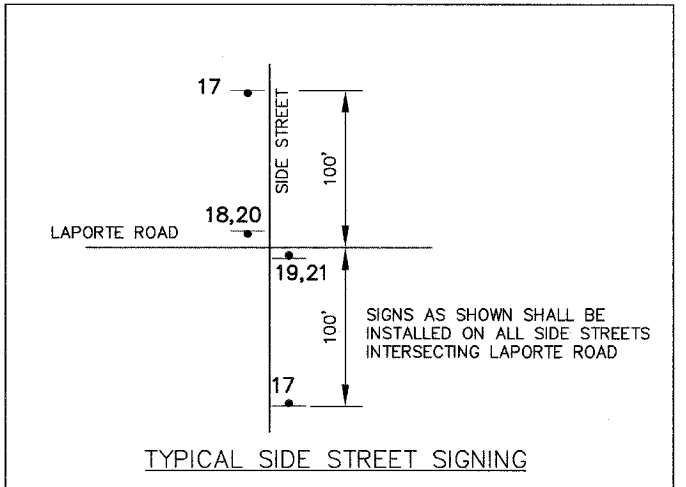
1. TRAFFIC MAINTAINED AS SHOWN IN "MOT TYPICAL SEGMENT II STAGE II".
2. ROADWAY CLOSED TO WESTBOUND TRAFFIC MOKENA STREET TO KIRKSTONE WAY.
3. ROADWAY OPEN TO LOCAL WESTBOUND TRAFFIC WOLF ROAD TO MOKENA STREET.



LAPORTE ROAD DETOUR ROUTE
SEGMENT I -- STAGE I AND II
(ONE-WAY TRAFFIC EASTBOUND)

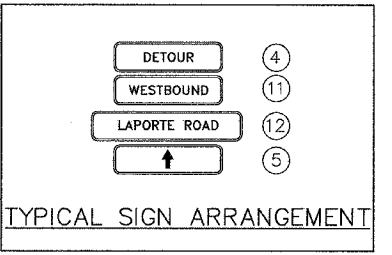
SIGN LEGEND

- | | |
|--|---|
| 1) ONE LANE ROAD
W20-4
(48" x 48") | 15) END DETOUR
M4-8a
24" x 18" |
| 2) DETOUR 500 FT
W20-2
48" x 48" | 16) ROAD CLOSED
R11-2
(48" x 30") |
| 3) DETOUR AHEAD
W20-2
48" x 48" | 17) ROAD CONSTRUCTION AHEAD
W20-1(0) |
| 4) DETOUR
M4-8
24" x 12" | 18) DETOUR
M4-10(L)
48" x 18" |
| 5) ↑
W6-3
21" x 15" | 19) DETOUR
M4-10(R)
48" x 18" |
| 6) ↗
M5-1R
21" x 15" | 20) ONE WAY
R6-1(L)
36" x 12" |
| 7) →
M6-1R
21" x 15" | 21) ONE WAY
R6-1(R)
36" x 12" |
| 8) ↖
M5-1L
21" x 15" | 22) LOCAL TRAFFIC ONLY
R11-3
(60" x 30") |
| 9) ←
M6-1L
21" x 15" | 23) ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY
R11-3
(60" x 30") |
| 10) EASTBOUND
W17-1100
VAR. X 9" | |
| 11) WESTBOUND
W17-1100
VAR. X 9" | |
| 12) LAPORTE ROAD
W17-1101
VAR. X 15" | |
| 13) CLOSED AT KIRKSTONE WAY
SPECIAL BLACK ON ORANGE
VAR. X 15" | |
| 14) CLOSED AT MOKENA ST
SPECIAL BLACK ON ORANGE
VAR. X 15" | |



DETOUR PLAN GENERAL NOTES

- TEMPORARY TRAFFIC CONTROL SIGNS MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE ENGINEER. 48 HOURS NOTICE MUST BE GIVEN TO THE ENGINEER AND VILLAGE.
- ALL TRAFFIC SIGNS SHALL MEET WITH THE APPROVAL OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL MEET WITH THE APPROVAL OF THE ENGINEER REGARDING LOCATION, TYPE, SIZE, NUMBER AND DURATION.
- FOR TYPICAL SIGN INSTALLATIONS, SEE IDOT HIGHWAY STANDARDS.
- IF FOR ANY REASON WORK MUST BE PERFORMED AT NIGHT, TYPE I OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS ARE TO BE USED.
- APPROPRIATE IDOT TRAFFIC CONTROL STANDARDS SHALL BE USED TO INSTALL AND REMOVE TRAFFIC CONTROL AND PROTECTION DEVICES.
- FLAGS ON "WARNING" SIGNS ARE OPTIONAL.
- THE CONTRACTOR SHALL INSTALL SHORT-TERM PAVEMENT MARKING AS DIRECTED BY THE ENGINEER.
- THE COST OF INSTALLING, MAINTAINING AND REMOVING THE DETOUR SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR.

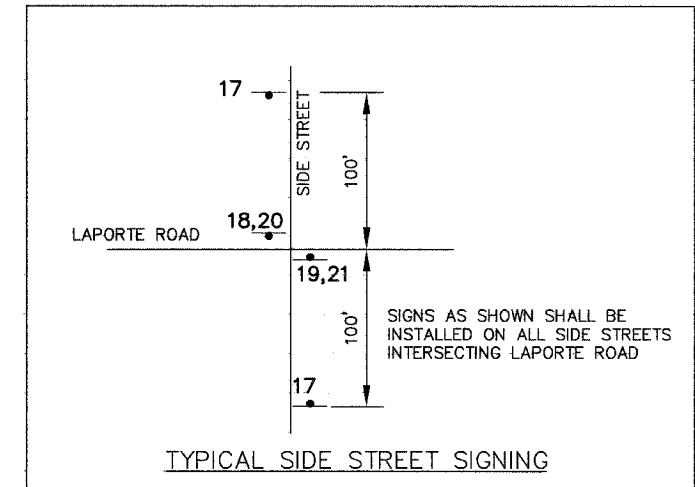


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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
DETOUR PLAN -- SEGMENT I
DESIGN: MRJ
DRAWN: DJS
CHECKED: SNS
DATE: DEC. 2005
SCALE: NTS
FILE NO.: 3232

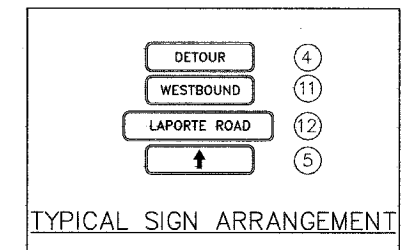
SIGN LEGEND

- | | |
|-----|-----|
| 1) | 15) |
| 2) | 16) |
| 3) | 17) |
| 4) | 18) |
| 5) | 19) |
| 6) | 20) |
| 7) | 21) |
| 8) | 22) |
| 9) | 23) |
| 10) | |
| 11) | |
| 12) | |
| 13) | |
| 14) | |



DETOUR PLAN GENERAL NOTES

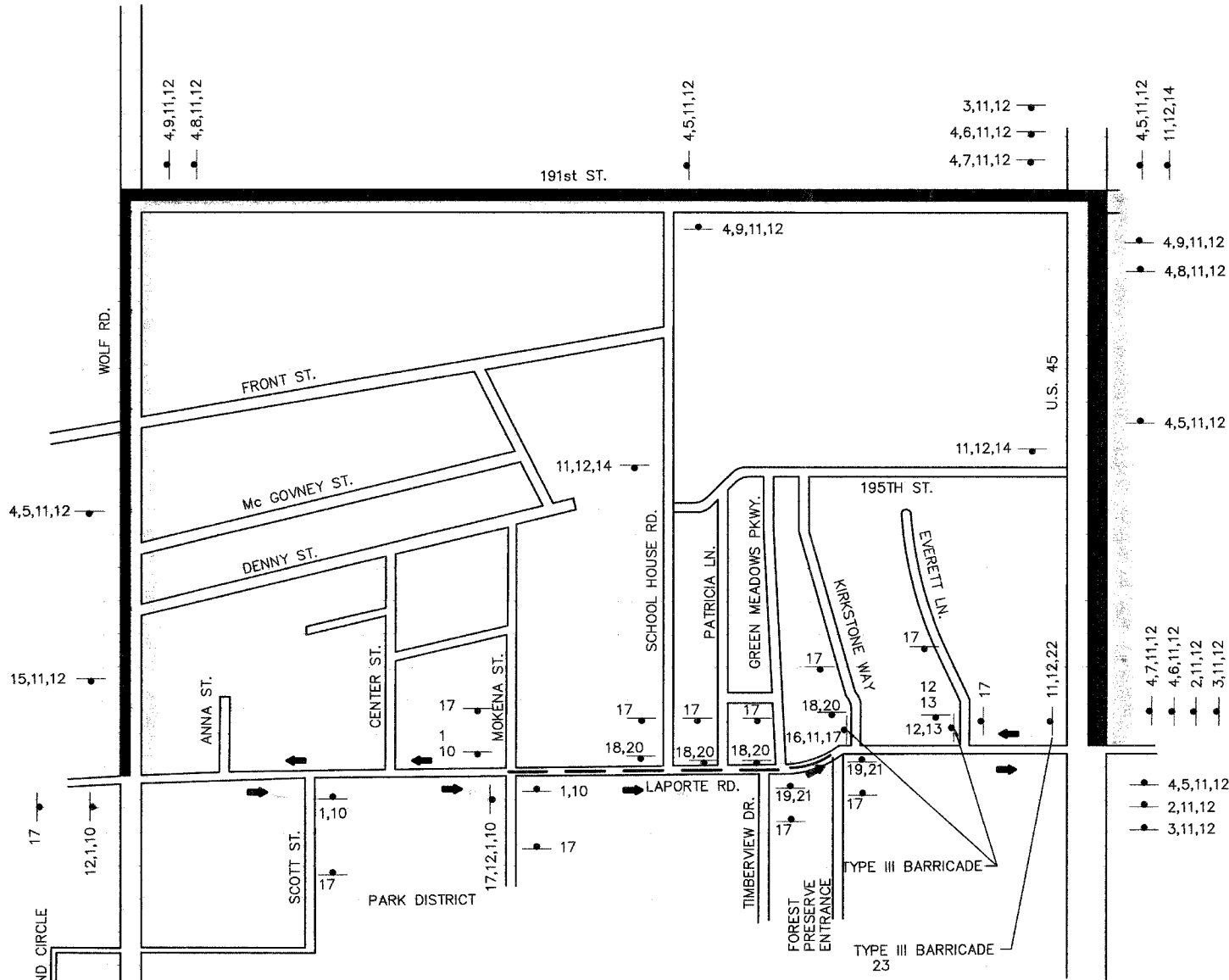
- TEMPORARY TRAFFIC CONTROL SIGNS MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE ENGINEER. 48 HOURS NOTICE MUST BE GIVEN TO THE ENGINEER AND VILLAGE.
- ALL TRAFFIC SIGNS SHALL MEET WITH THE APPROVAL OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL MEET WITH THE APPROVAL OF THE ENGINEER REGARDING LOCATION, TYPE, SIZE, NUMBER AND DURATION.
- FOR TYPICAL SIGN INSTALLATIONS, SEE IDOT HIGHWAY STANDARDS.
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- FLAGS ON "WARNING" SIGNS ARE OPTIONAL.
- THE CONTRACTOR SHALL INSTALL SHORT-TERM PAVEMENT MARKING AS DIRECTED BY THE ENGINEER.
- THE COST OF INSTALLING, MAINTAINING AND REMOVING THE DETOUR SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR.



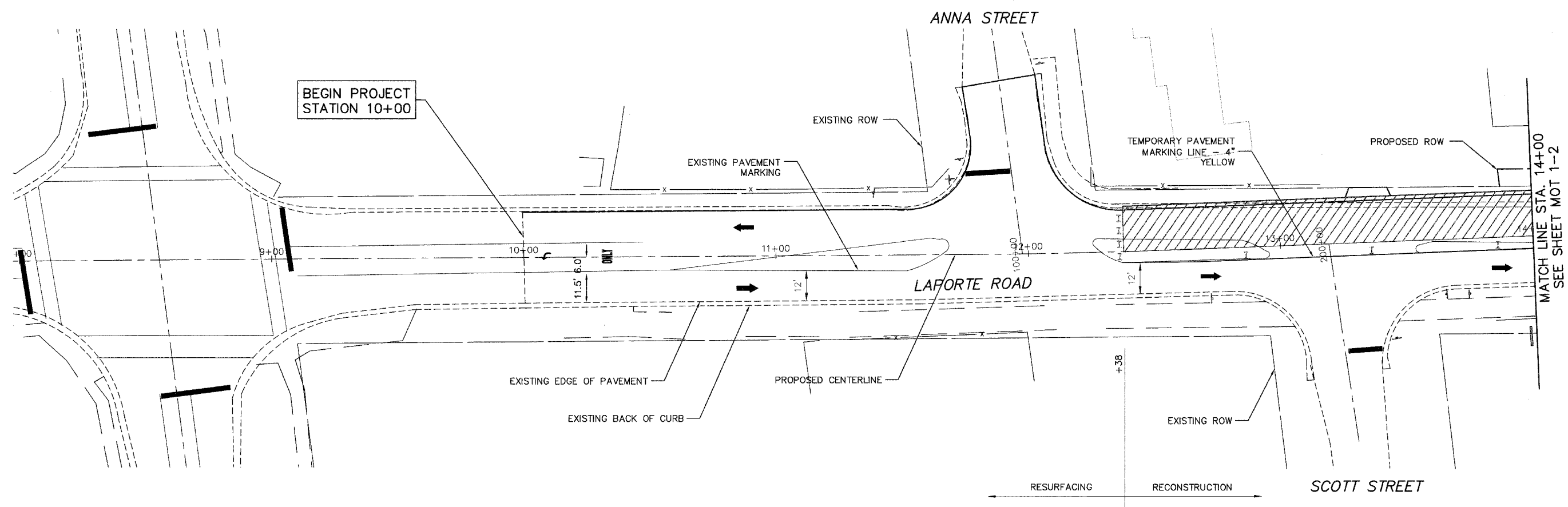
LEGEND

- CONSTRUCTION ZONE
- WESTBOUND DETOUR ROUTE
- TRAFFIC
- DETOUR SIGN

**LAPORTE ROAD DETOUR ROUTE
SEGMENT II - STAGE I AND II
(ONE-WAY TRAFFIC EASTBOUND)**



E.A.V. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	26
FHWA REGION NO.	ILLINOIS	PROJECT M--8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



BEGIN PROJECT STATION 10+00

MATCH LINE STA. 14+00
SEE SHEET MOT 1-2

LEGEND

- SEGMENT I - STAGE I CONSTRUCTION ZONE
- TEMPORARY PAVEMENT
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
- TYPE III BARRICADE

MOT 1-1

Clorbe Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.773.4009 Fax 773.773.4014 Email: chicago@clorbe.com

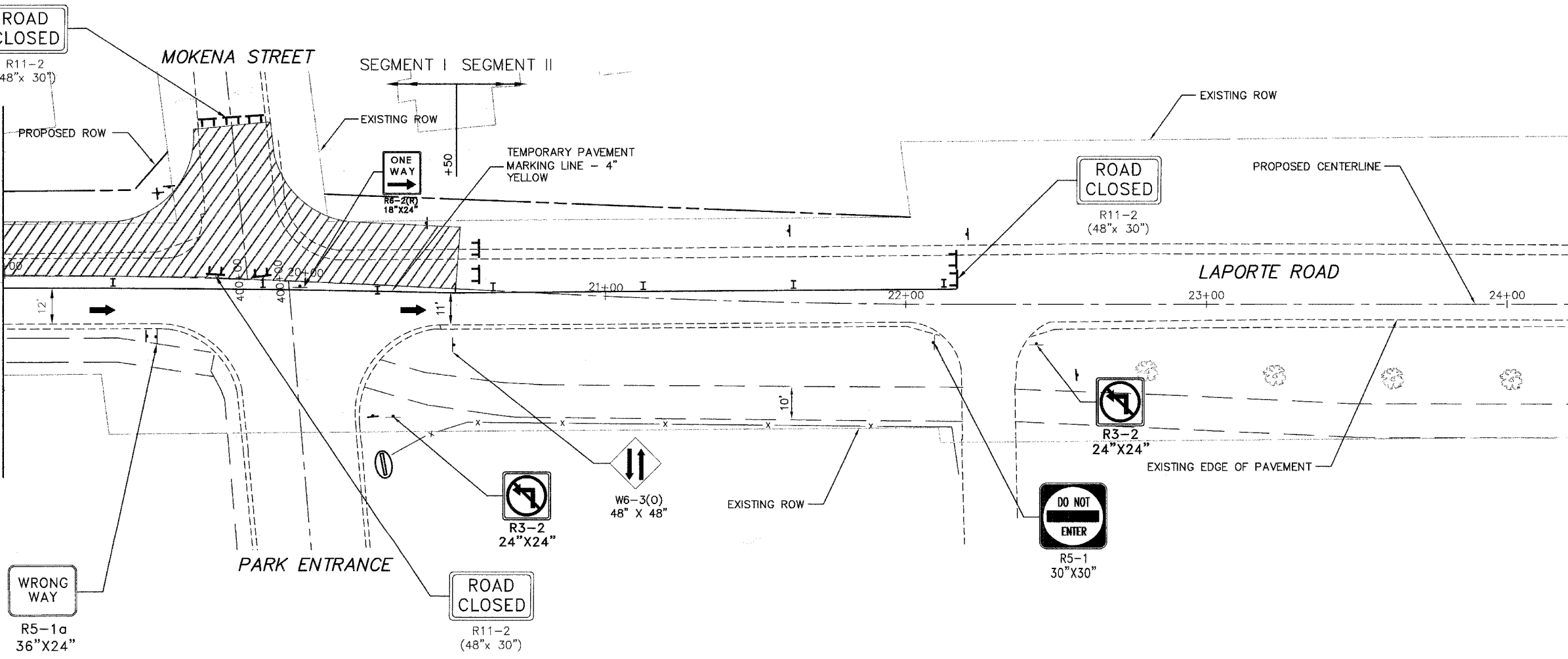
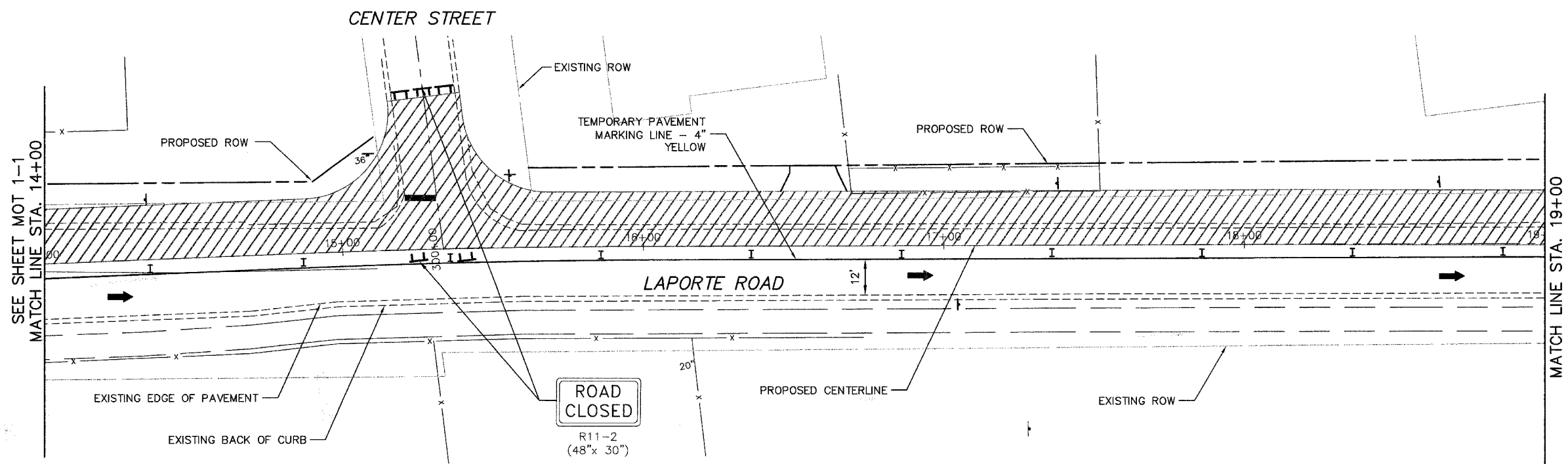
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT I STAGE I
STATION 10+00 TO 14+00

DESIGN: MRJ
DRAWN: JCC
CHECKED: SNS

DATE: MAR. 2006
SCALE: 1"=20'
FILE NO.: 3232

PLT DATE: Mar 15, 2006 - 3:45pm
FILENAME: N:\PROJ\2006\DESIGN\MOT_1-2\MOT-SEG1-ST1-31.dwg

STATE ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	27
FHWA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- SEGMENT I - STAGE I CONSTRUCTION ZONE
- TEMPORARY PAVEMENT
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
- TYPE III BARRICADE

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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 MAINTENANCE OF TRAFFIC
 LAPORTE ROAD - SEGMENT I STAGE I
 STATION 14+00 TO 24+25

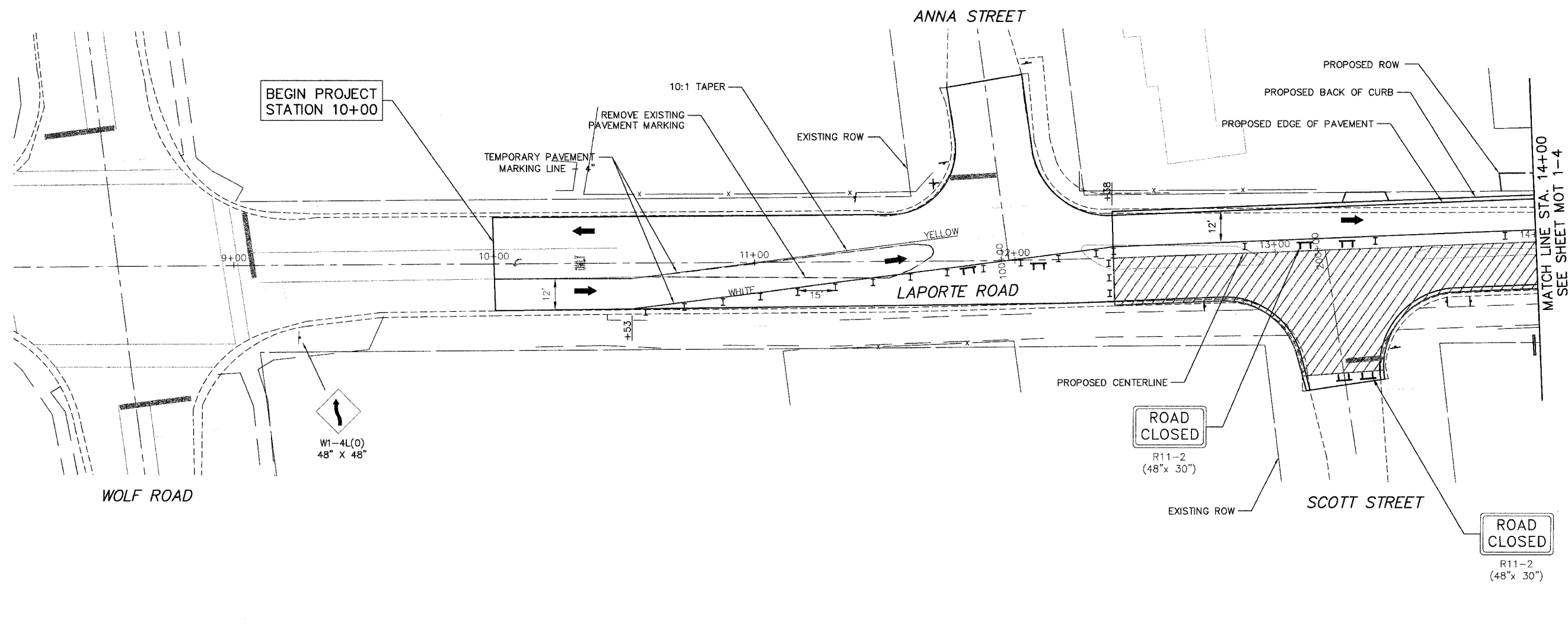
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 DRAWN: DJS
 CHECKED: SNS

DATE: DEC. 2005
 SCALE: 1"=20'
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PLOT DATE: Dec 01, 2005 - 10:42am
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MOT 1-2

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	28
FHWA REGION NO.		ILLINOIS PROJECT	M-8003(200)	
* 01-00029-00-FP		CONTRACT NO. 83825		



LEGEND	
	SEGMENT I - STAGE I CONSTRUCTION ZONE
	TEMPORARY PAVEMENT
	TRAFFIC DIRECTION
	CONSTRUCTION SIGN
	TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
	TYPE III BARRICADE

MOT 1-3

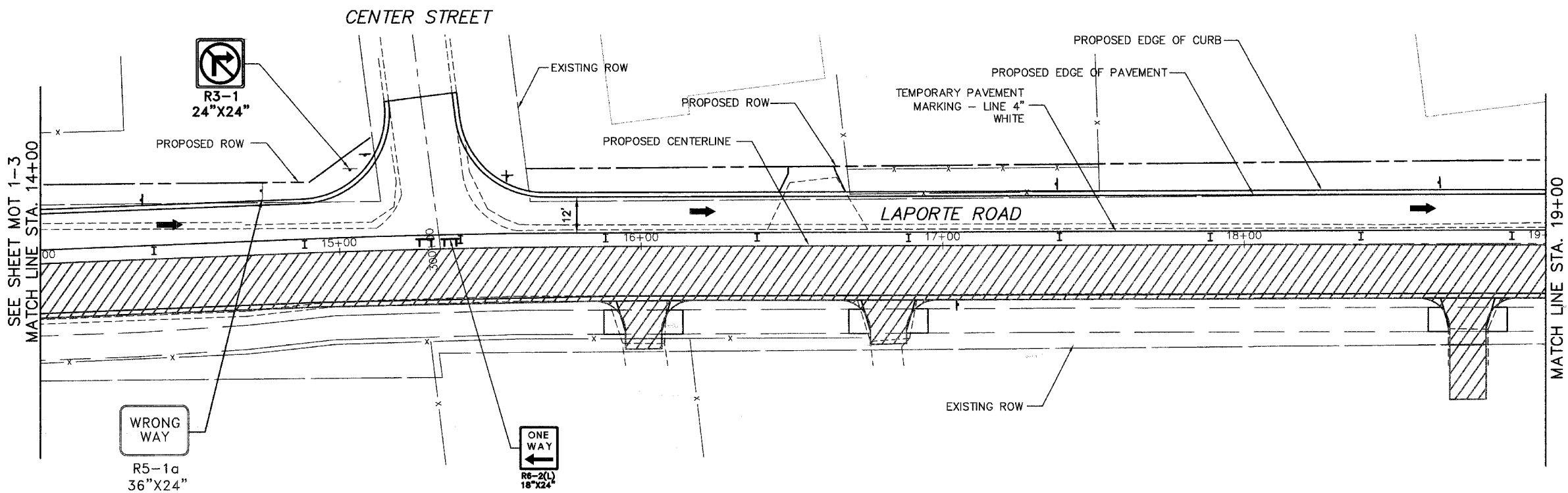
CG Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4006 Fax 773.775.4014 Email chicago@ciorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT I STAGE II
STATION 10+00 TO 14+00

DESIGN: MRJ _____ DATE: MAR. 2006
DRAWN: JCC _____ SCALE: 1"=20'
CHECKED: SNS _____ FILE NO.: 3232

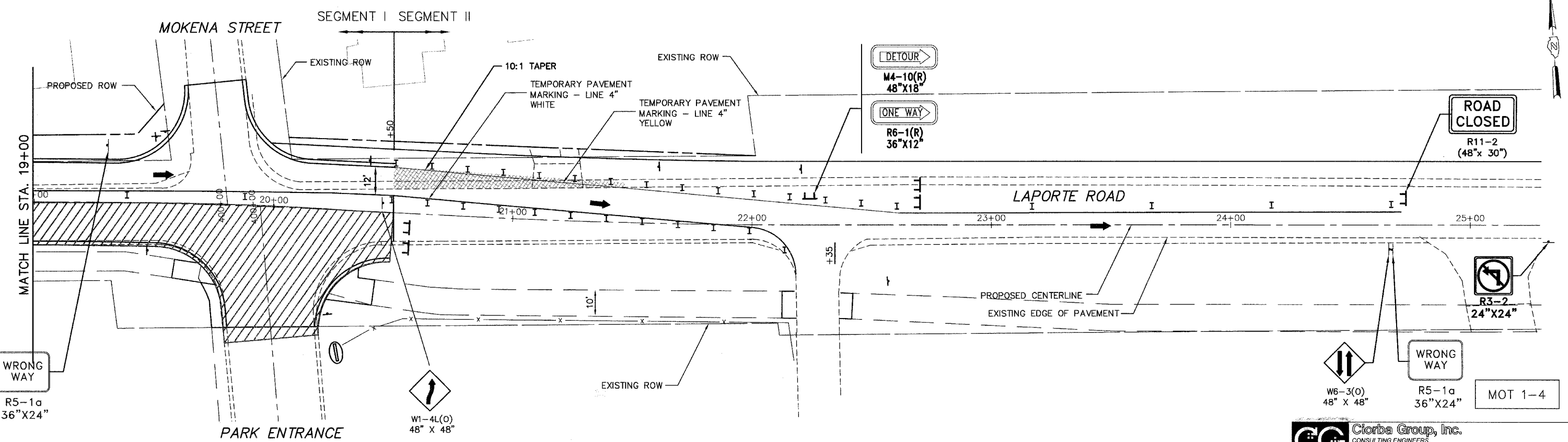
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F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	29
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- SEGMENT I - STAGE II CONSTRUCTION ZONE
- TEMPORARY PAVEMENT
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
- TYPE III BARRICADE



W6-3(O) 48" X 48"
 R5-1a 36" X 24"
 MOT 1-4

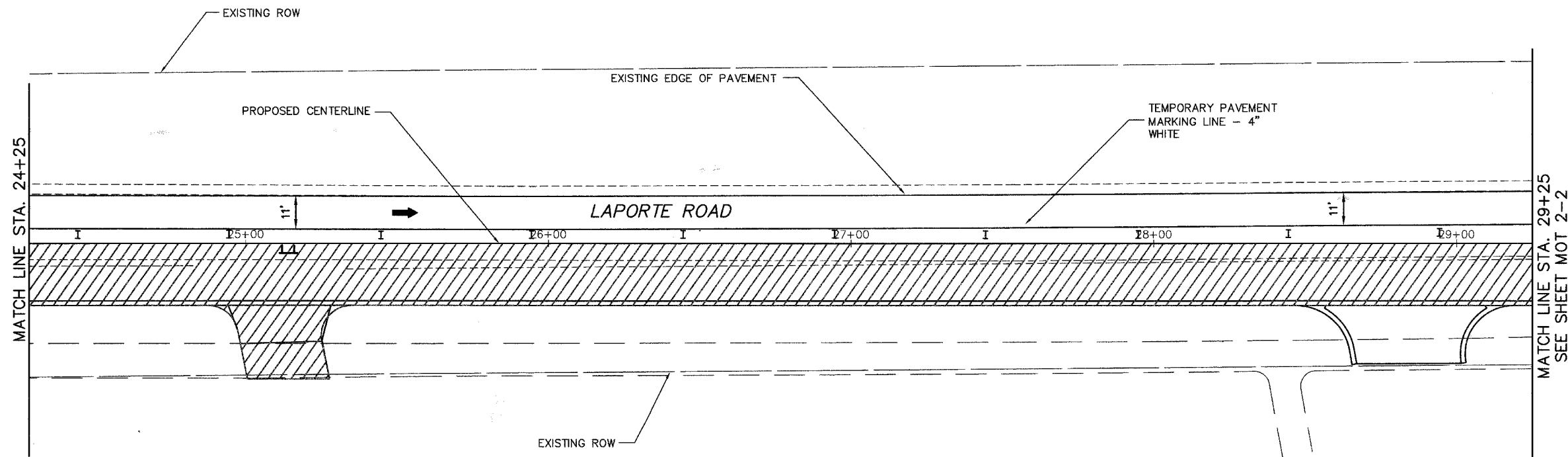
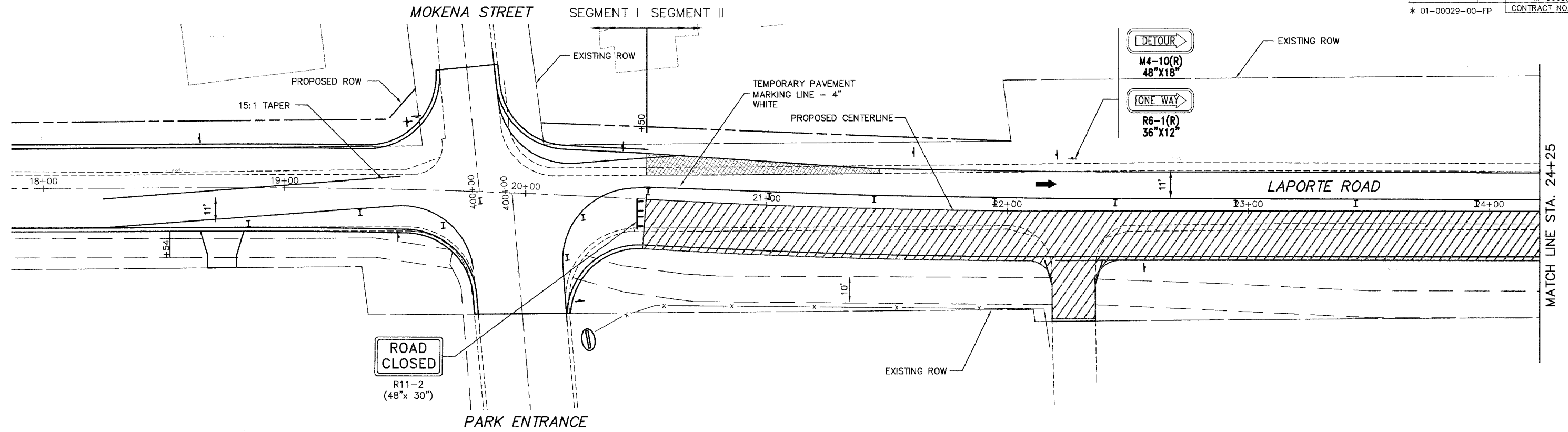
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4099 Fax 773.775.4014 Email chicago@ciorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 MAINTENANCE OF TRAFFIC
 LAPORTE ROAD - SEGMENT I STAGE II
 STATION 14+00 TO 24+25

DESIGN: BLL
 DRAWN: DJS
 CHECKED: SNS
 DATE: DEC. 2005
 SCALE: 1"=20'
 FILE NO.: 3232

PLOT DATE: Dec 21, 2005 10:53am
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FEED ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	30
FHWA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. B3825	



LEGEND

- SEGMENT II - STAGE I CONSTRUCTION ZONE
- TEMPORARY PAVEMENT
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS
- TYPE III BARRICADE

MOT 2-1

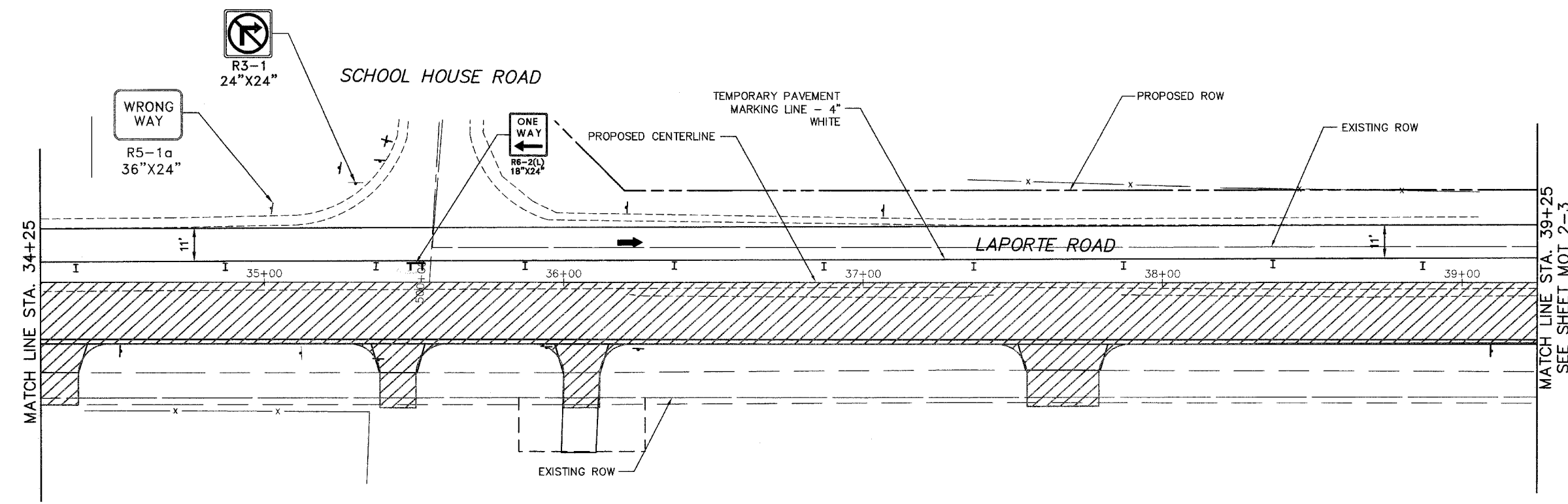
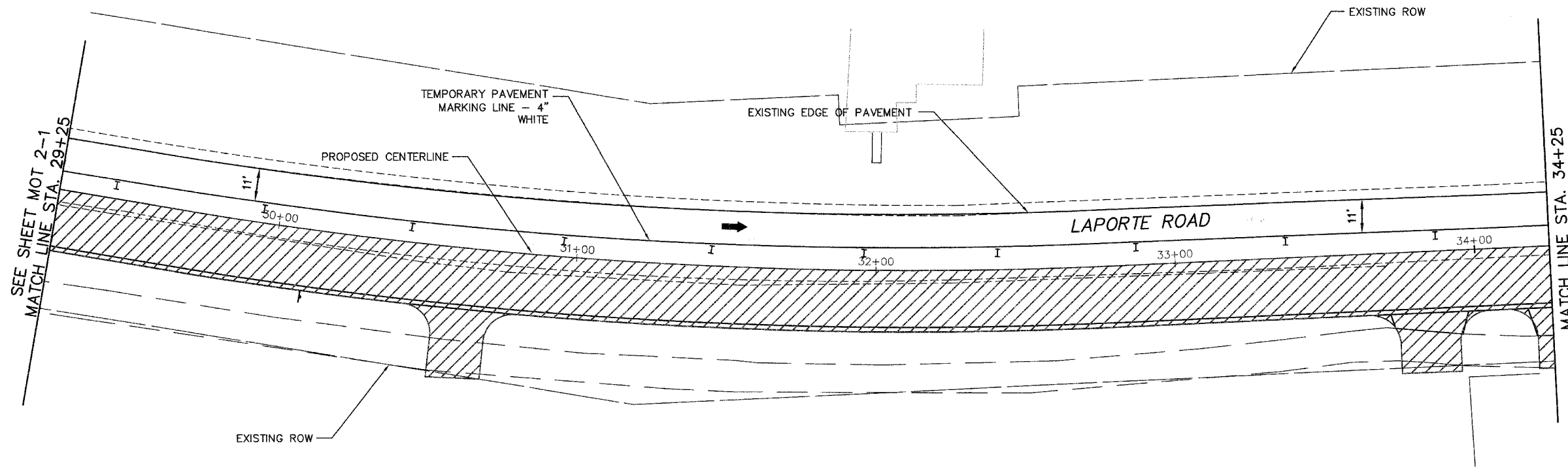
Clorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4099 Fax 773.775.4014 Email chicago@clorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 MAINTENANCE OF TRAFFIC
 LAPORTE ROAD - SEGMENT II STAGE I
 STATION 19+00 TO 29+25

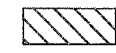





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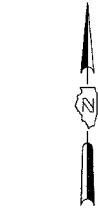
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F.A.M. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	31
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

-  SEGMENT II - STAGE I CONSTRUCTION ZONE
-  TEMPORARY PAVEMENT
-  TRAFFIC DIRECTION
-  CONSTRUCTION SIGN
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
-  TYPE III BARRICADE



MOT 2-2

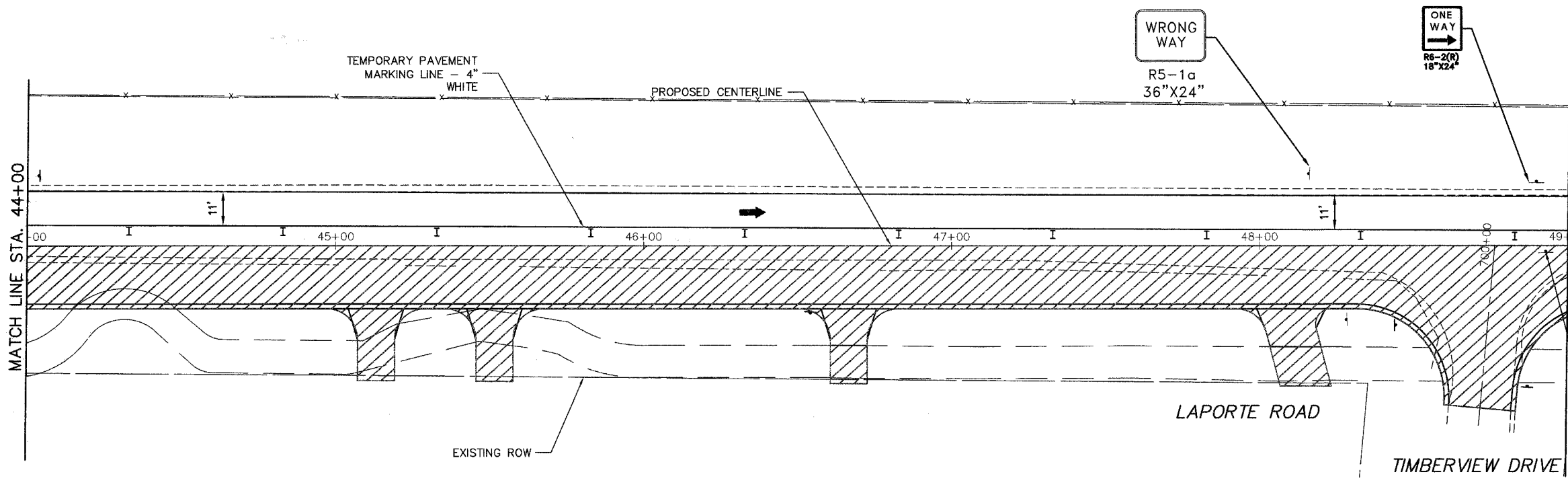
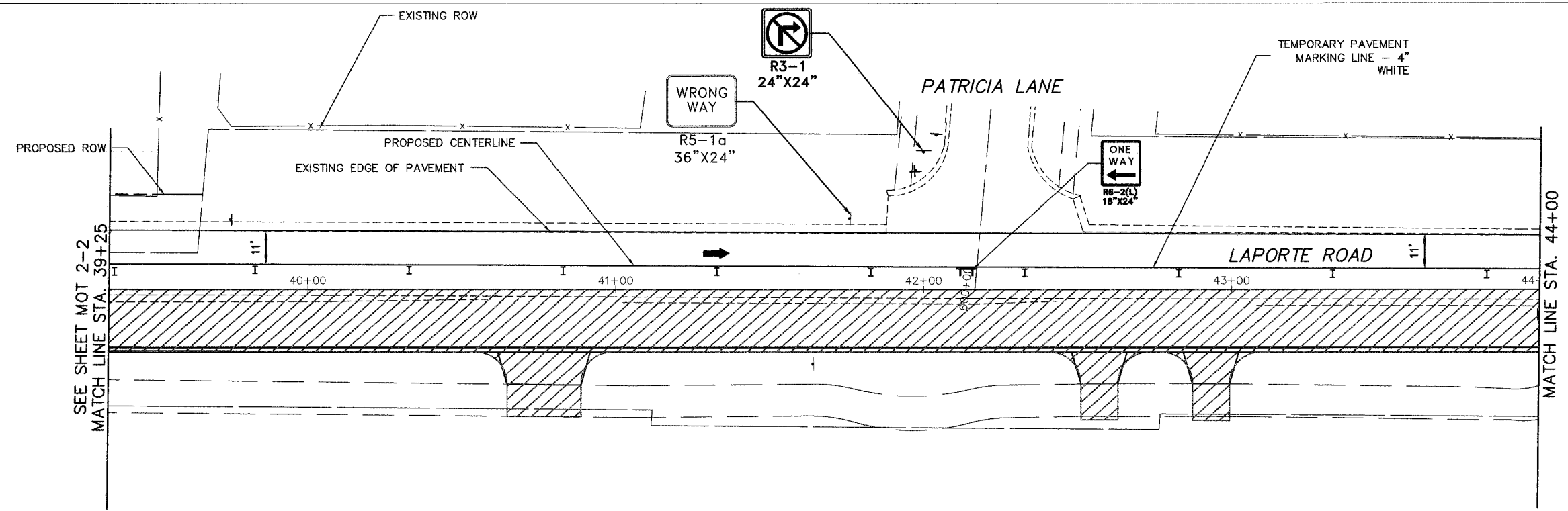
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5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT II STAGE I
STATION 29+25 TO 39+25

DESIGN: BLL _____ DATE: DEC. 2005
DRAWN: DJS _____ SCALE: 1"=20'
CHECKED: SNS _____ FILE NO.: 3232

PLT11 DATE: Dec 21, 2005 10:03am
FILENAME: N:\PROJECTS\Design\MOT\3232-MOT-SIGEST1-05.dwg

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	32
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- SEGMENT II - STAGE I CONSTRUCTION ZONE
- TEMPORARY PAVEMENT
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS
- TYPE III BARRICADE



MOT 2-3

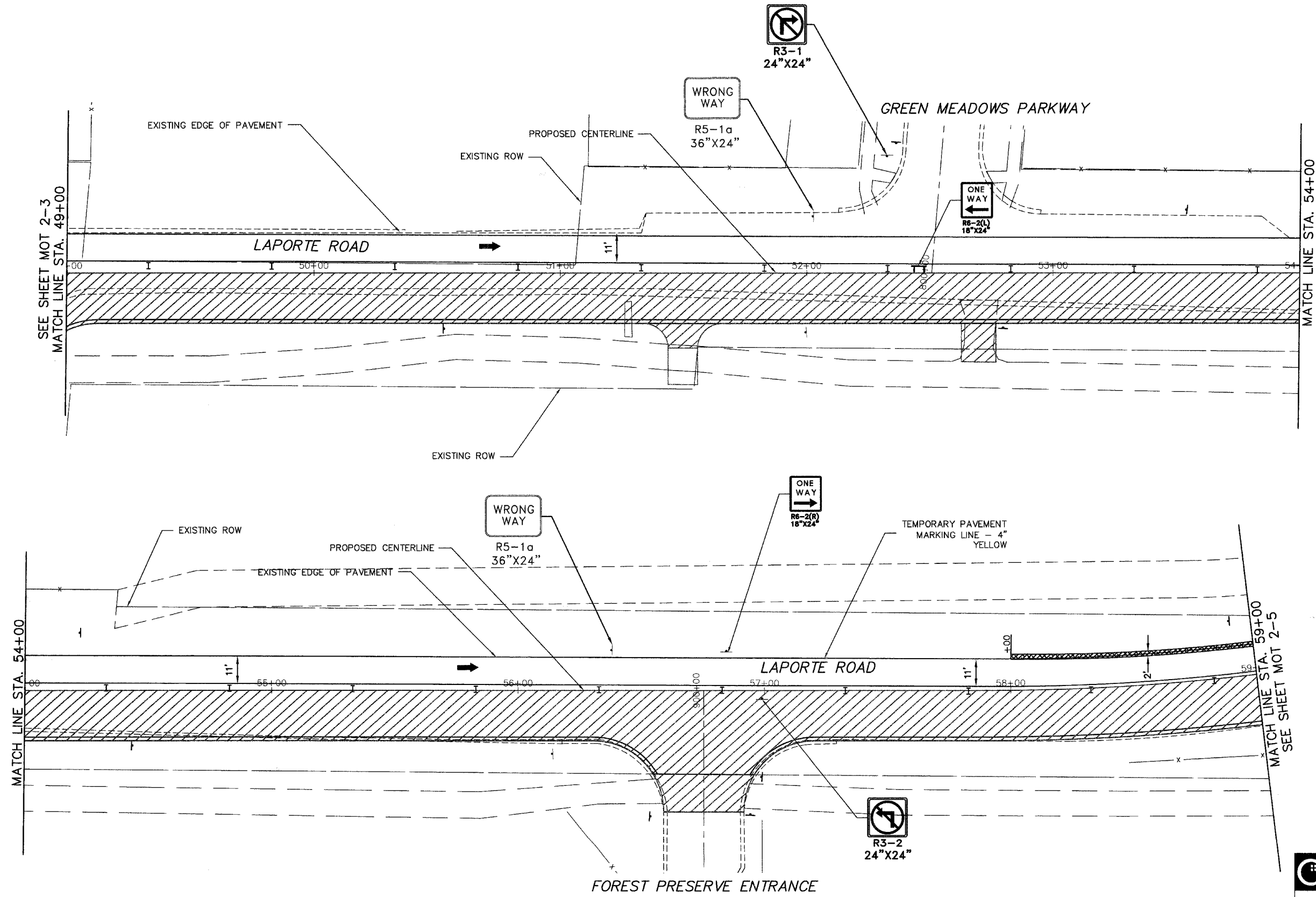
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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 MAINTENANCE OF TRAFFIC
 LAPORTE ROAD - SEGMENT II STAGE I
 STATION 39+25 TO 49+00

DESIGN: BLL _____ DATE: DEC. 2005
 DRAWN: DJS _____ SCALE: 1"=20'
 CHECKED: SNS _____ FILE NO.: 3232

FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	33
FHWA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- SEGMENT II - STAGE I CONSTRUCTION ZONE
- TEMPORARY PAVEMENT
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
- TYPE III BARRICADE

MOT 2-4

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5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4059 Fax 773.775.4014 Email chicago@ciorba.com

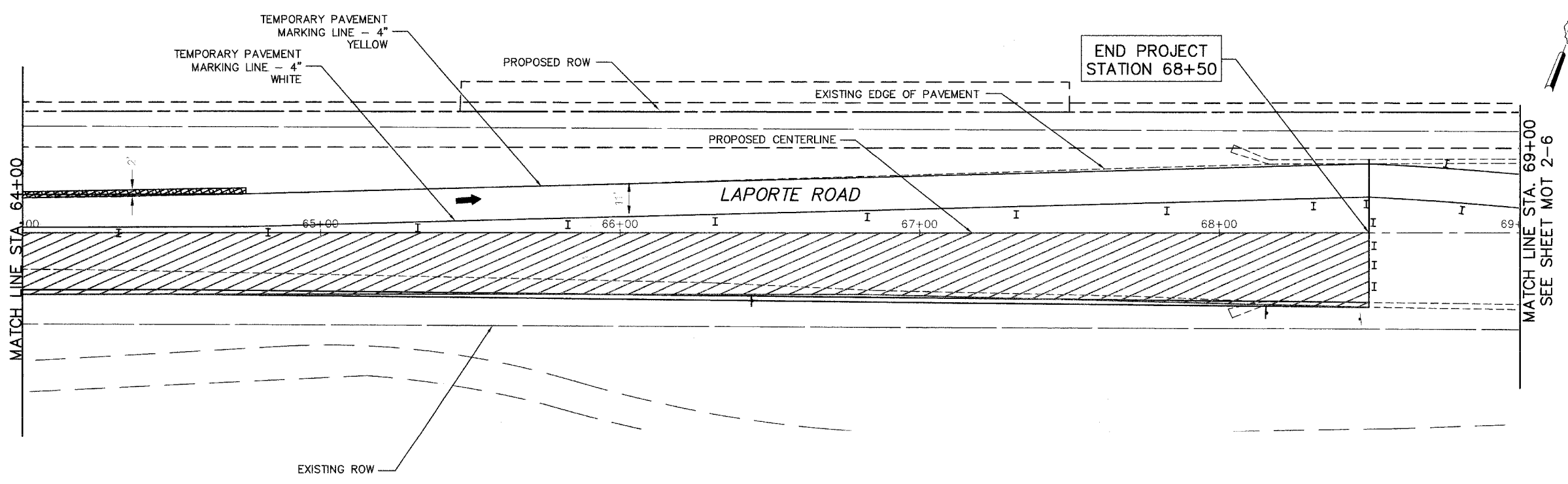
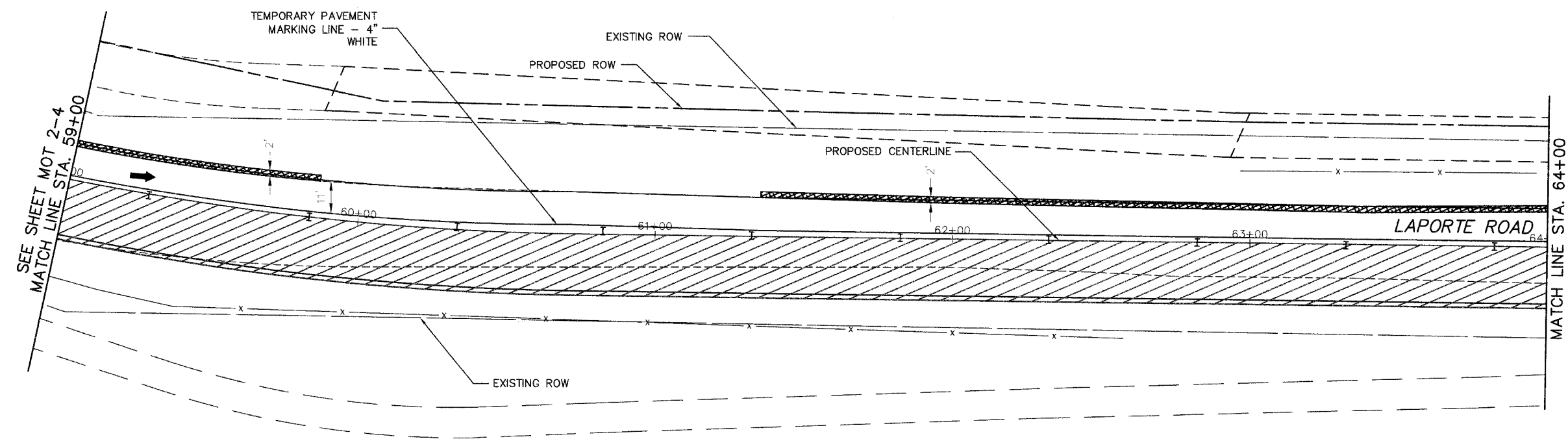
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT II STAGE I
STATION 49+00 TO 59+00

DESIGN: BLL
DRAWN: DJS
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PLLOT DATE: Dec 21, 2005 11:02am
FILENAME: N:\PROJECTS\2232\Design\MOT 2-4\MOT-SEG2-1-07.dwg

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	34
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- SEGMENT II - STAGE I CONSTRUCTION ZONE
- TEMPORARY PAVEMENT
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
- TYPE III BARRICADE

MOT 2-5

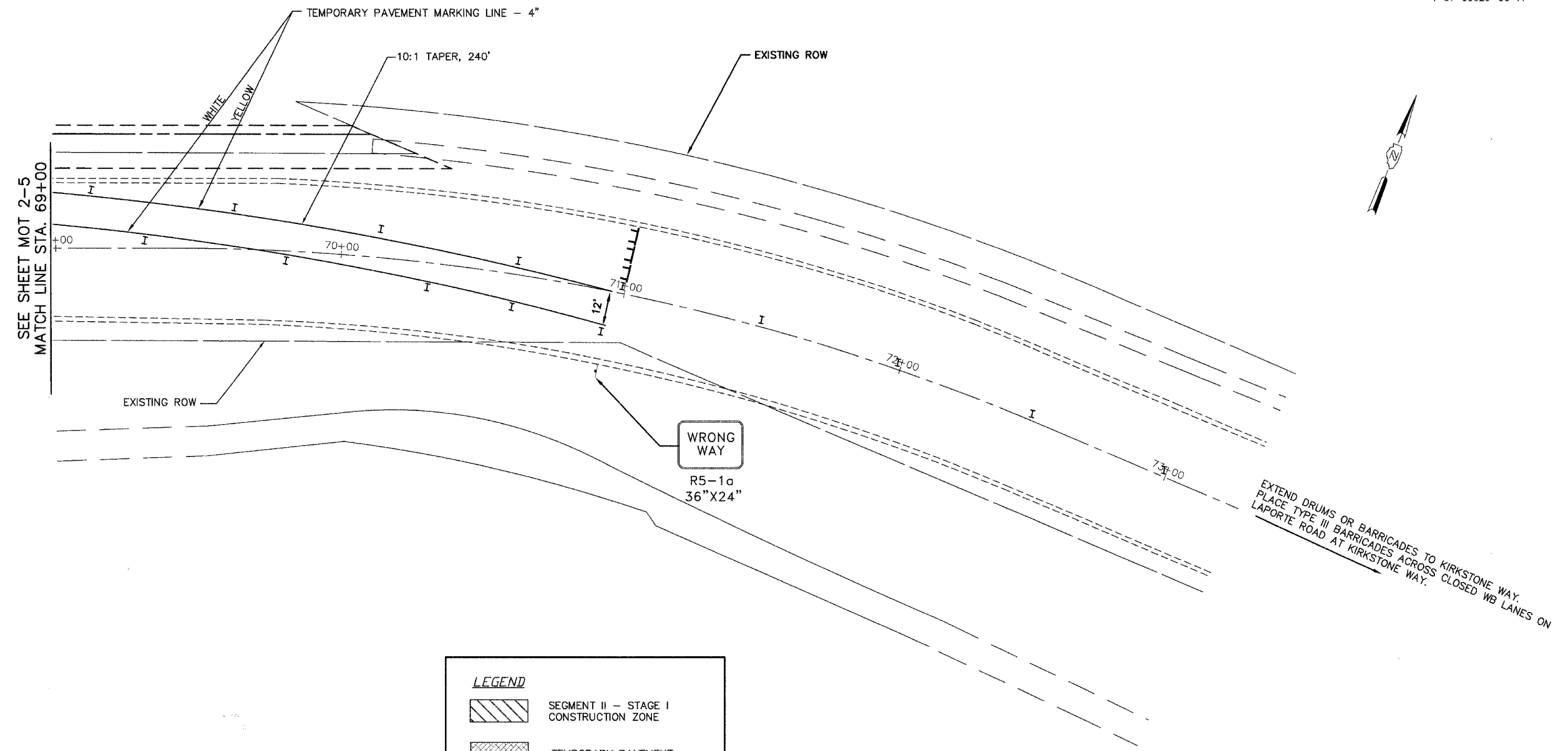
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT II STAGE I
STATION 59+00 TO 64+00

DESIGN: BLL _____ DATE: DEC. 2005
DRAWN: DJS _____ SCALE: 1"=20'
CHECKED: SNS _____ FILE NO.: 3232

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F.A.M. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	35
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



SEE SHEET MOT 2-5
MATCH LINE STA. 69+00

LEGEND

	SEGMENT II - STAGE I CONSTRUCTION ZONE
	TEMPORARY PAVEMENT
	TRAFFIC DIRECTION
	CONSTRUCTION SIGN
	TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
	TYPE III BARRICADE

MOT 2-6

PLU1 DATE: Dec 21, 2005 - 11:14 AM
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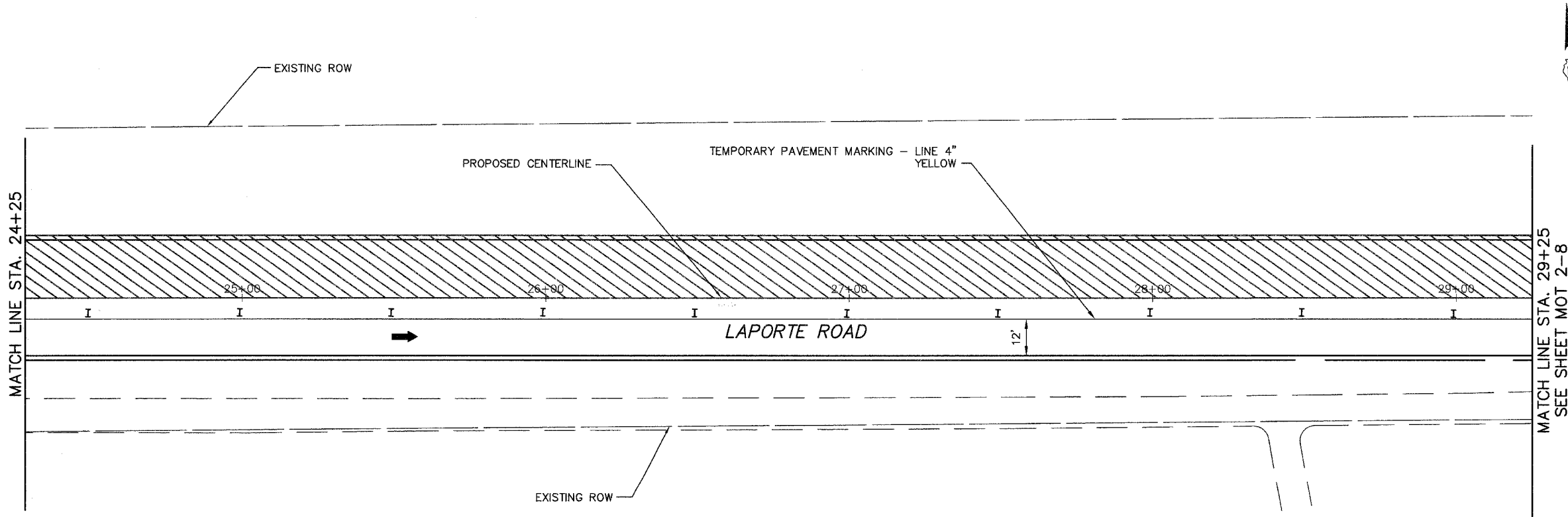
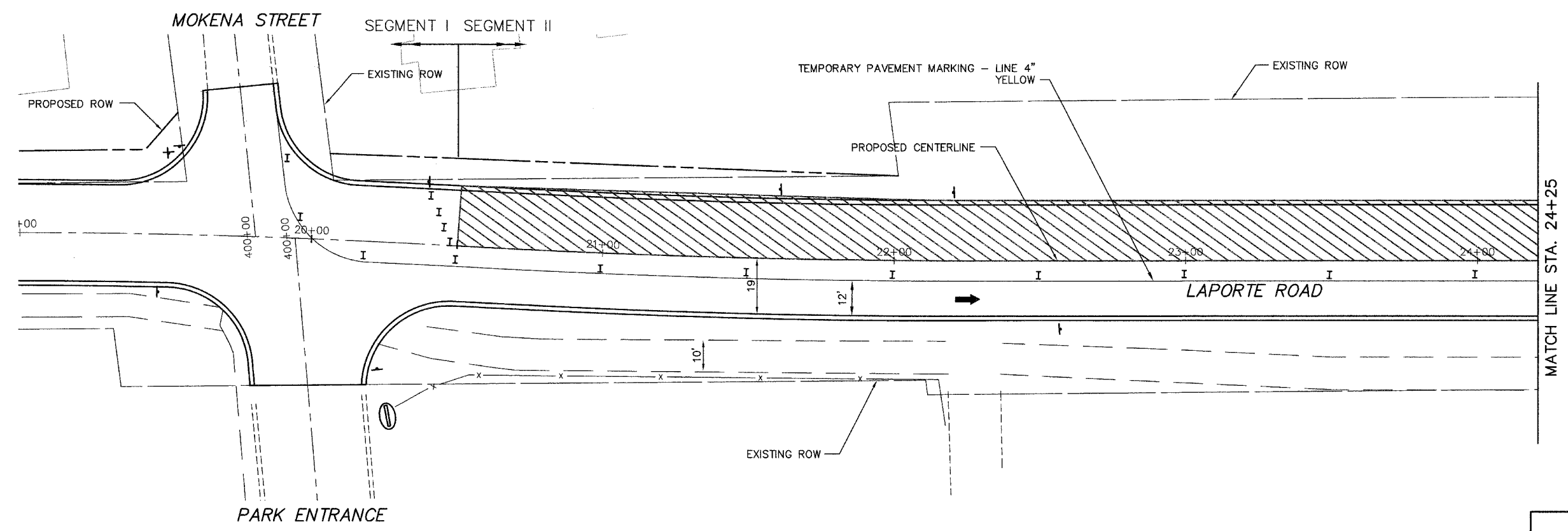
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CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT II STAGE I
STATION 64+00 TO 68+50








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CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	36
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

-  SEGMENT II - STAGE II CONSTRUCTION ZONE
-  TEMPORARY PAVEMENT REMOVAL
-  TRAFFIC DIRECTION
-  CONSTRUCTION SIGN
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS
-  50' C-C (TYP.)
-  TYPE III BARRICADE

MOT 2-7

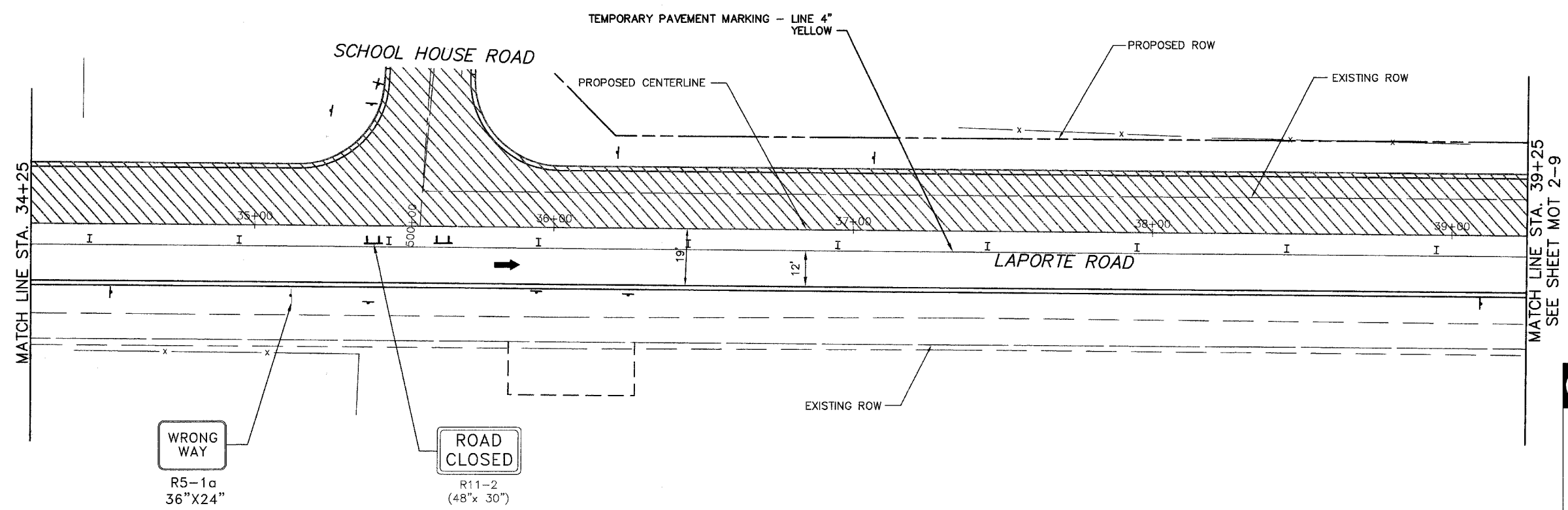
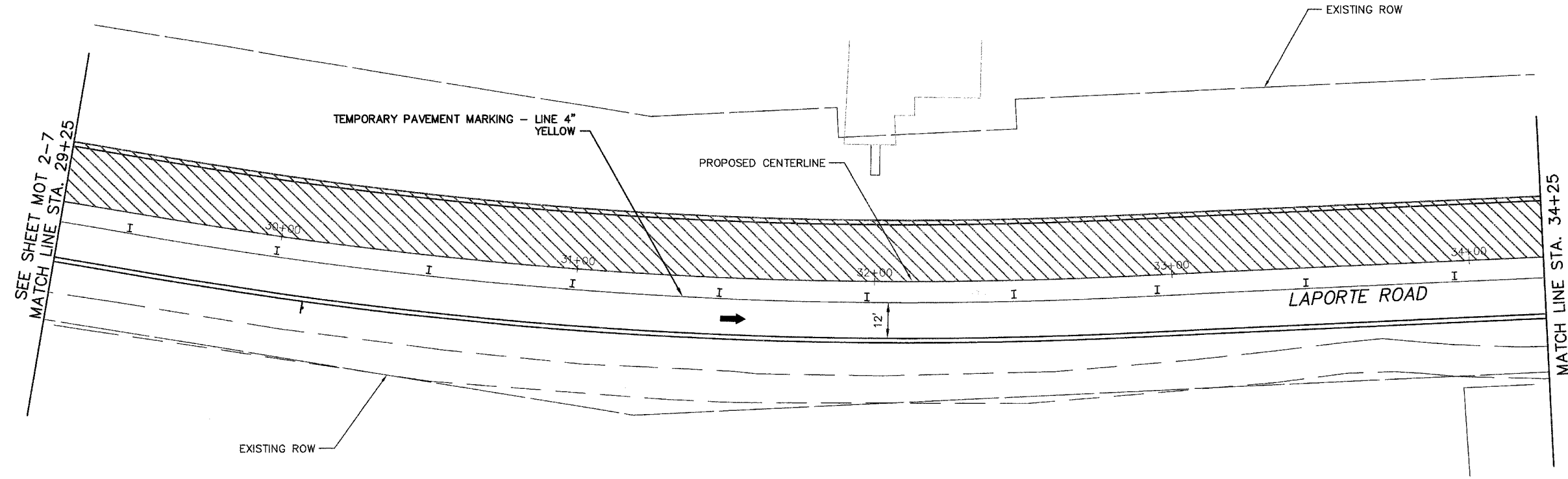
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4059 Fax 773.775.4014 Email: chicago@ciorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 MAINTENANCE OF TRAFFIC
 LAPORTE ROAD - SEGMENT II STAGE II
 STATION 19+00 TO 29+25







DESIGN: MRJ _____ DATE: DEC. 2005
 DRAWN: DJS _____ SCALE: 1"=20'
 CHECKED: SNS _____ FILE NO.: 3232

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F.A.M. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	37
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

-  SEGMENT II - STAGE II CONSTRUCTION ZONE
-  TEMPORARY PAVEMENT REMOVAL
-  TRAFFIC DIRECTION
-  CONSTRUCTION SIGN
-  TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
-  TYPE III BARRICADE

WRONG WAY
R5-1a
36"X24"

ROAD CLOSED
R11-2
(48"x 30")

MOT 2-8

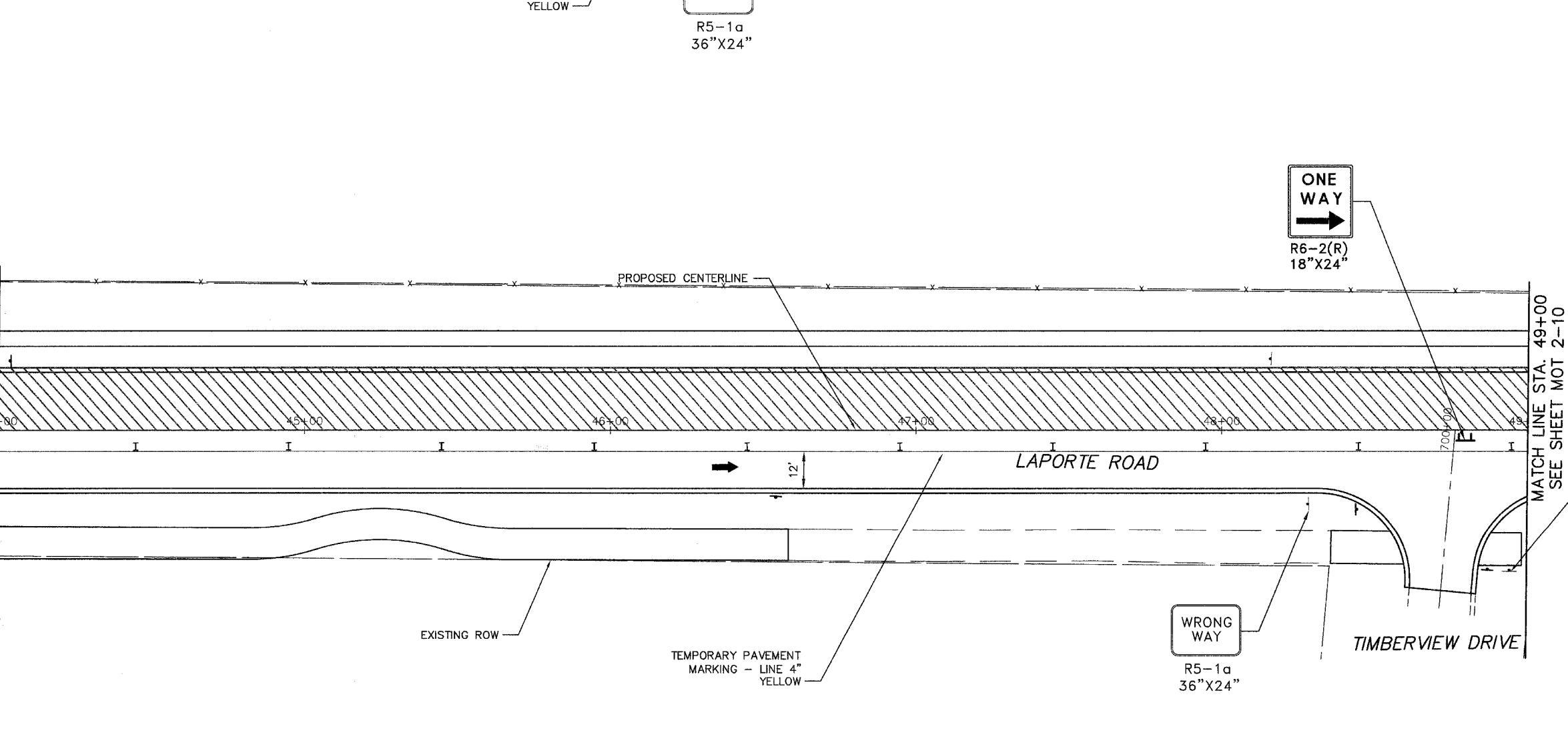
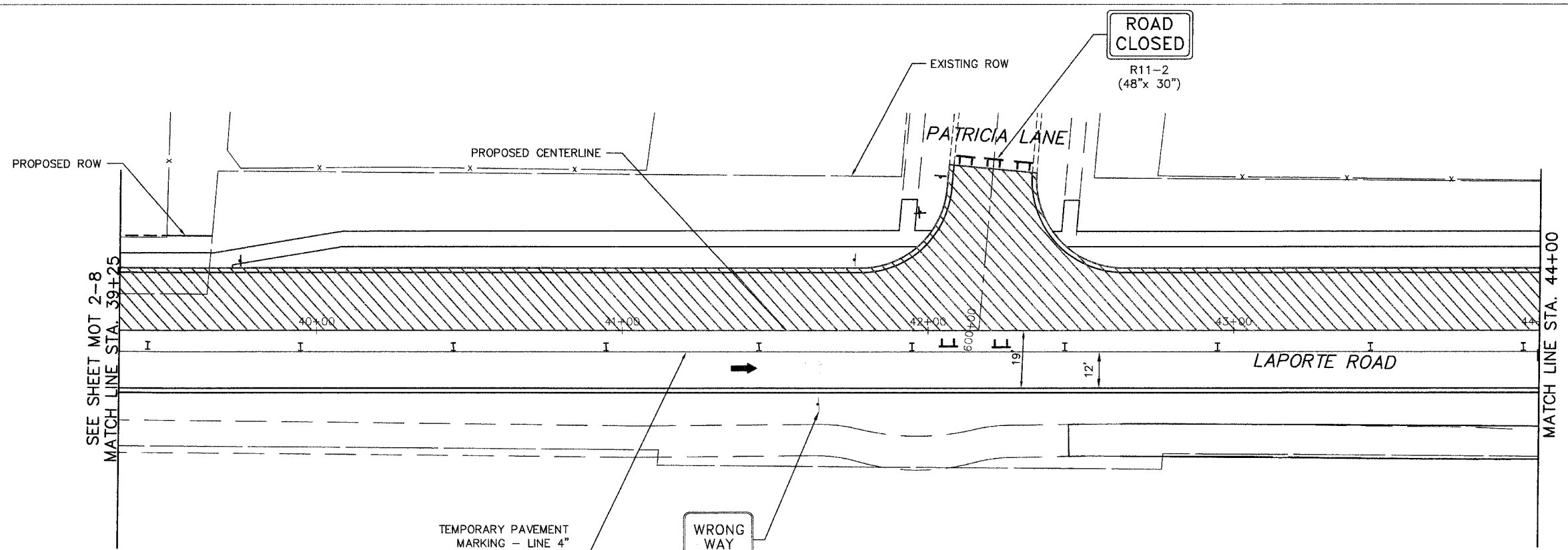
Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT II STAGE II
STATION 29+25 TO 39+25

DESIGN: MRJ _____ DATE: DEC. 2005
DRAWN: DJS _____ SCALE: 1"=20'
CHECKED: SNS _____ FILE NO.: 3232

PL01 DATE: Dec 21, 2005 - 11:05am
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PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	38
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP	CONTRACT NO. 83825			



LEGEND

- SEGMENT II - STAGE II CONSTRUCTION ZONE
- TEMPORARY PAVEMENT REMOVAL
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
- TYPE III BARRICADE

R3-2
24"X24"

MOT 2-9

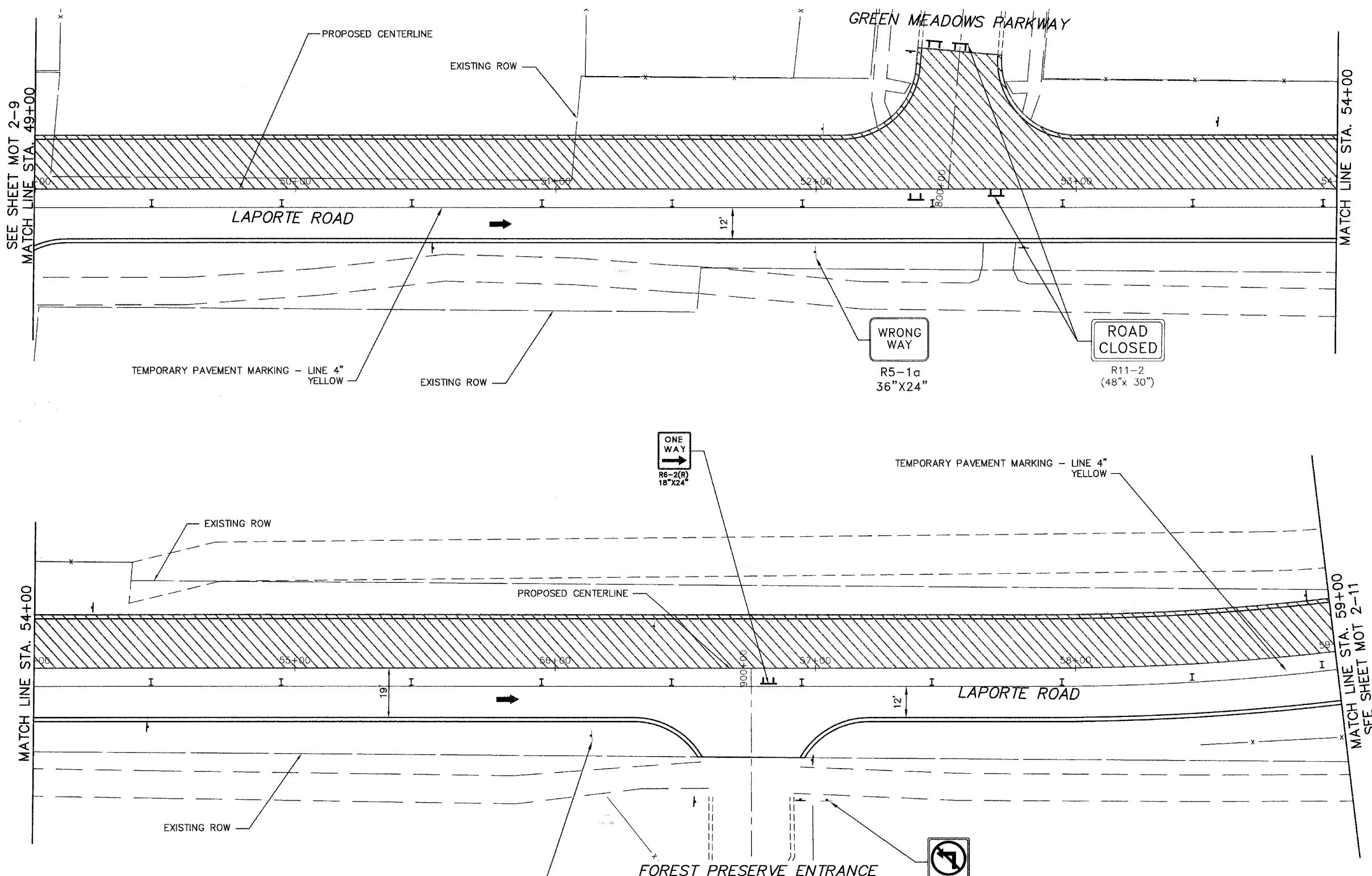
CG Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT II
STATION 39+25 TO 49+00

DESIGN: MRJ _____ DATE: DEC. 2005
DRAWN: DJS _____ SCALE: 1"=20'
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PLOT DATE: Dec 23, 2005 11:35am
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F.H.W. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	39
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- SEGMENT II - STAGE II CONSTRUCTION ZONE
- TEMPORARY PAVEMENT REMOVAL
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
- TYPE III BARRICADE

MOT 2-10

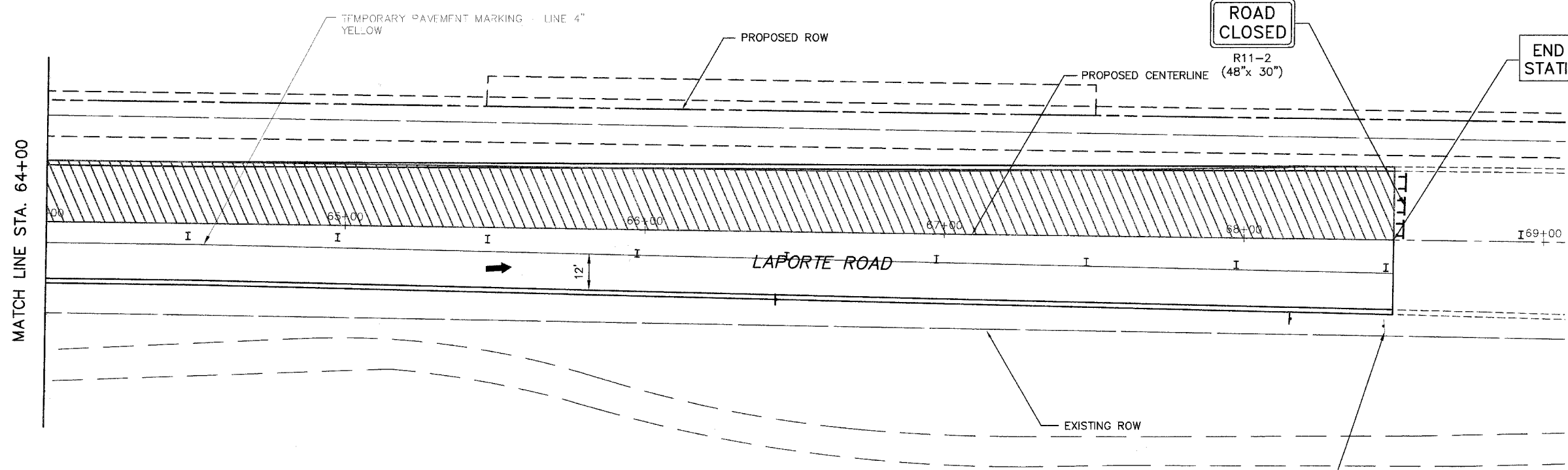
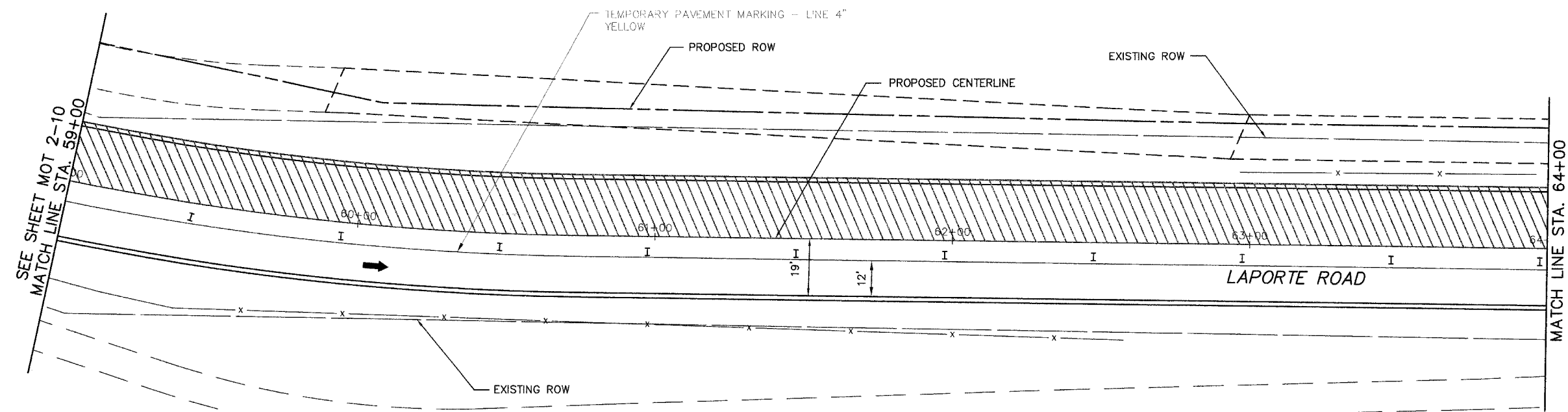
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CONSULTING ENGINEERS
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Tel. 773.775.4059 Fax 773.775.4014 Email: chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
MAINTENANCE OF TRAFFIC
LAPORTE ROAD - SEGMENT II STAGE II
STATION 49+00 TO 59+00

DESIGN: MRJ _____ DATE: DEC. 2005
DRAWN: DJS _____ SCALE: 1"=20'
CHECKED: SNS _____ FILE NO.: 3232

PLU: DATE: Dec 21, 2005 - 11:21am
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PLAN ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	40
PHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- SEGMENT II - STAGE II CONSTRUCTION ZONE
- TEMPORARY PAVEMENT REMOVAL
- TRAFFIC DIRECTION
- CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN LIGHTS @ 50' C-C (TYP.)
- TYPE III BARRICADE

MOT 2-11

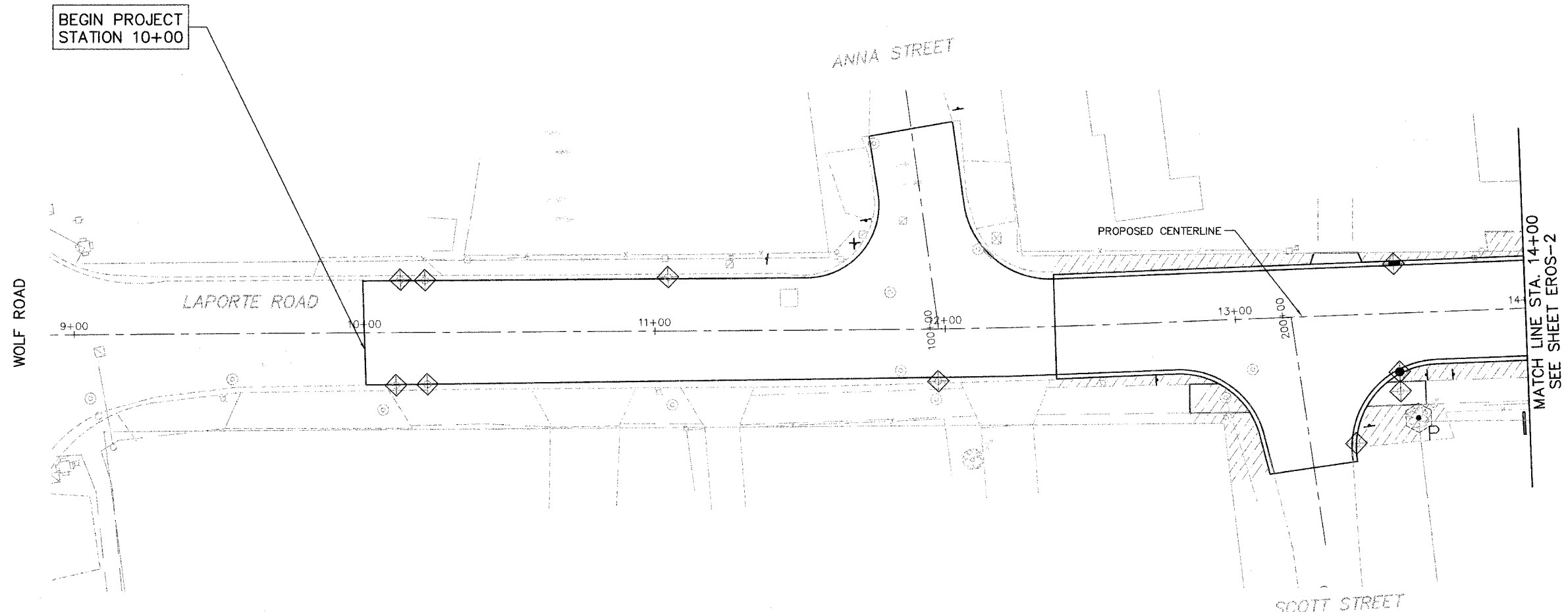
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 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 MAINTENANCE OF TRAFFIC
 LAPORTE ROAD - SEGMENT II STAGE II
 STATION 59+00 TO 64+00

DESIGN: MRJ _____ DATE: DEC. 2005
 DRAWN: DJS _____ SCALE: 1"=20'
 CHECKED: SNS _____ FILE NO.: 3232

PLOT DATE: Dec 21, 2005 - 11:23am
 FILENAME: N:\PROJECTS\Design\MOT\3232\MOT-SEG212-14.dwg

F.A.V. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
0306	*	WILL	118	41
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



PLOT DATE: Mar 15, 2006 - 3:18pm
 FILENAME: H:\PREL\3232\Design\Erosion\3232-erosion-01.dwg

- [A] T-ACERX FREM AB 2-1/2
- [B] T-CELTIS OCCID 2-1/2
- [C] T-OSTRYA VIRG 2
- [D] T-QUERCUS MEUH 2
- [E] T-TILIA AMER RD 2-1/2
- [F] T-QUERCUS ELLIP 1-3/4
- [G] T-PYRUS C CH TF 2-1/2

LEGEND

	SODDING, TOPSOIL, FURNISH AND PLACE, 4"
	INLET FILTERS
	INLET AND PIPE PROTECTION
	TEMPORARY FENCE
	TREE TRUNK PROTECTION
	PERIMETER EROSION BARRIER

EROS-1

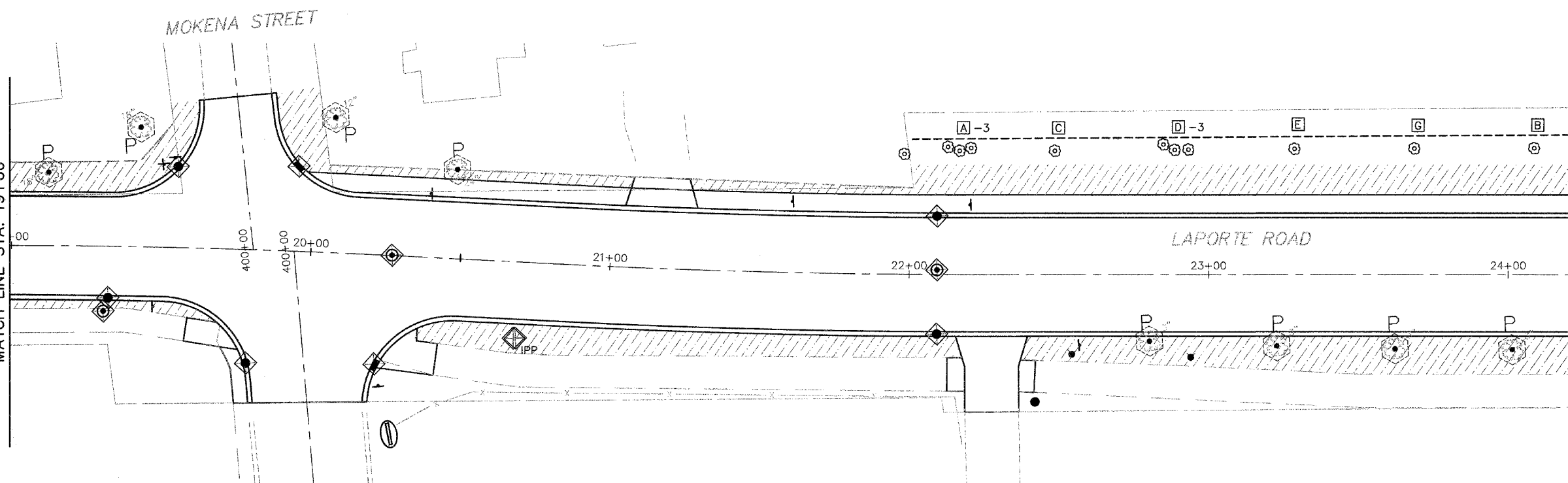
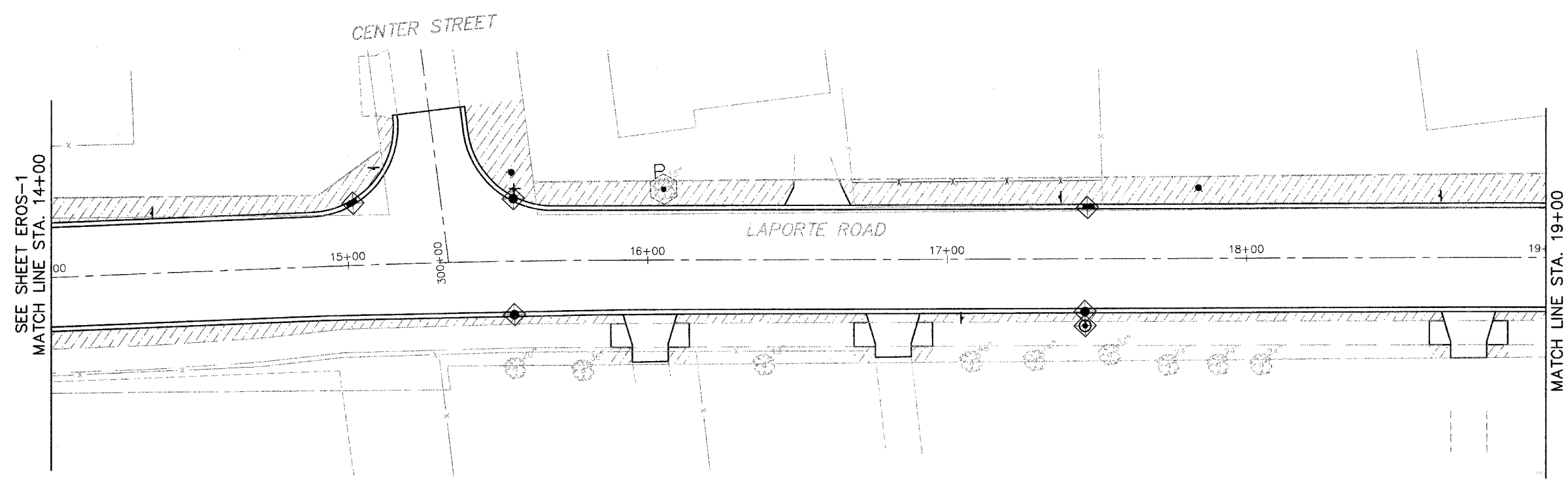
Ciorba Group, Inc.
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 Tel: 773.775.4009 Fax: 773.775.4014 Email: ciorba@ciorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

**EROSION CONTROL AND LANDSCAPING PLAN
 STATION 10+00 TO 14+00**

DESIGN: MRJ	DATE: MAR. 2006
DRAWN: RCD	SCALE: 1"=20'
CHECKED: SNS	FILE NO.: 3232

FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
0306	*	WILL	118	42
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



- [A] T-ACERX FREM AB 2-1/2
- [B] T-CELTIS OCCID 2-1/2
- [C] T-OSTRYA VIRG 2
- [D] T-QUERCUS MEUH 2
- [E] T-TILIA AMER RD 2-1/2
- [F] T-QUERCUS ELLIP 1-3/4
- [G] T-PYRUS C CH TF 2-1/2

LEGEND

	SODDING, TOPSOIL, FURNISH AND PLACE, 4"
	INLET FILTERS
	INLET AND PIPE PROTECTION
	TEMPORARY FENCE
	TREE TRUNK PROTECTION
	PERIMETER EROSION BARRIER

EROS-2

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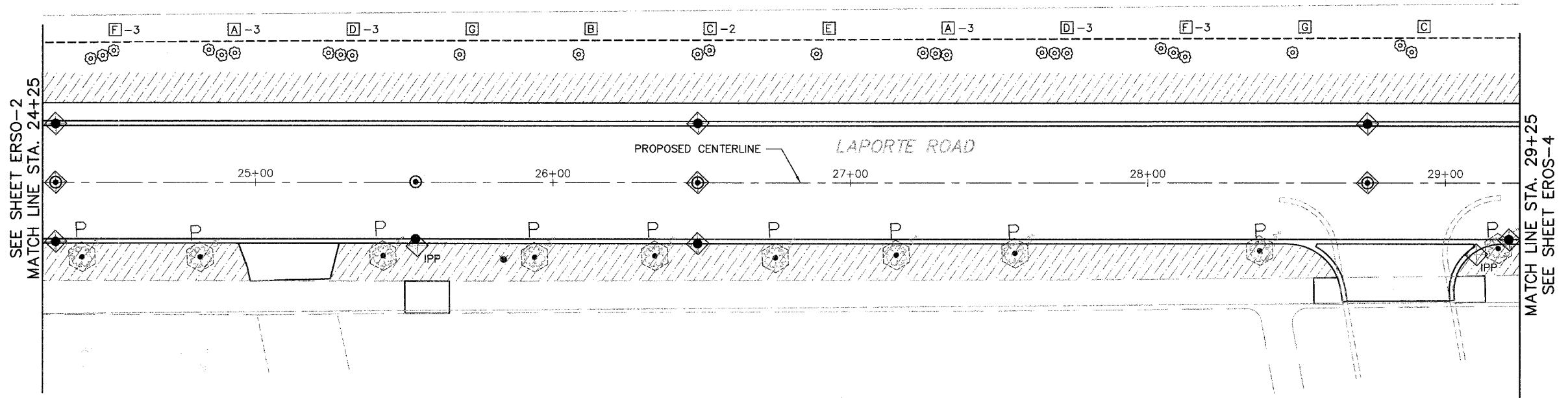
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
EROSION CONTROL AND LANSCAPING PLAN
STATION 14+00 TO 24+25

DESIGN: MRJ
DRAWN: RCD
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PLU1: 1/1/11, Dec 21, 2005 - 3:08pm
FILE NAME: N:\PROJECTS\3232\Design\EROSION\3232-erosion-02.dwg

STATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	43
FHWA REGION NO.		ILLINOIS	PROJECT M-8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	



- A T-ACERX FREM AB 2-1/2
- B T-CELTIS OCCID 2-1/2
- C T-OSTRYA VIRG 2
- D T-QUERCUS MEUH 2
- E T-TILIA AMER RD 2-1/2
- F T-QUERCUS ELLIP 1-3/4
- G T-PYRUS C CH TF 2-1/2

LEGEND

	SODDING, TOPSOIL, FURNISH AND PLACE, 4"
	INLET FILTERS
	INLET AND PIPE PROTECTION
	TEMPORARY FENCE
	TREE TRUNK PROTECTION
	PERIMETER EROSION BARRIER

EROS-3

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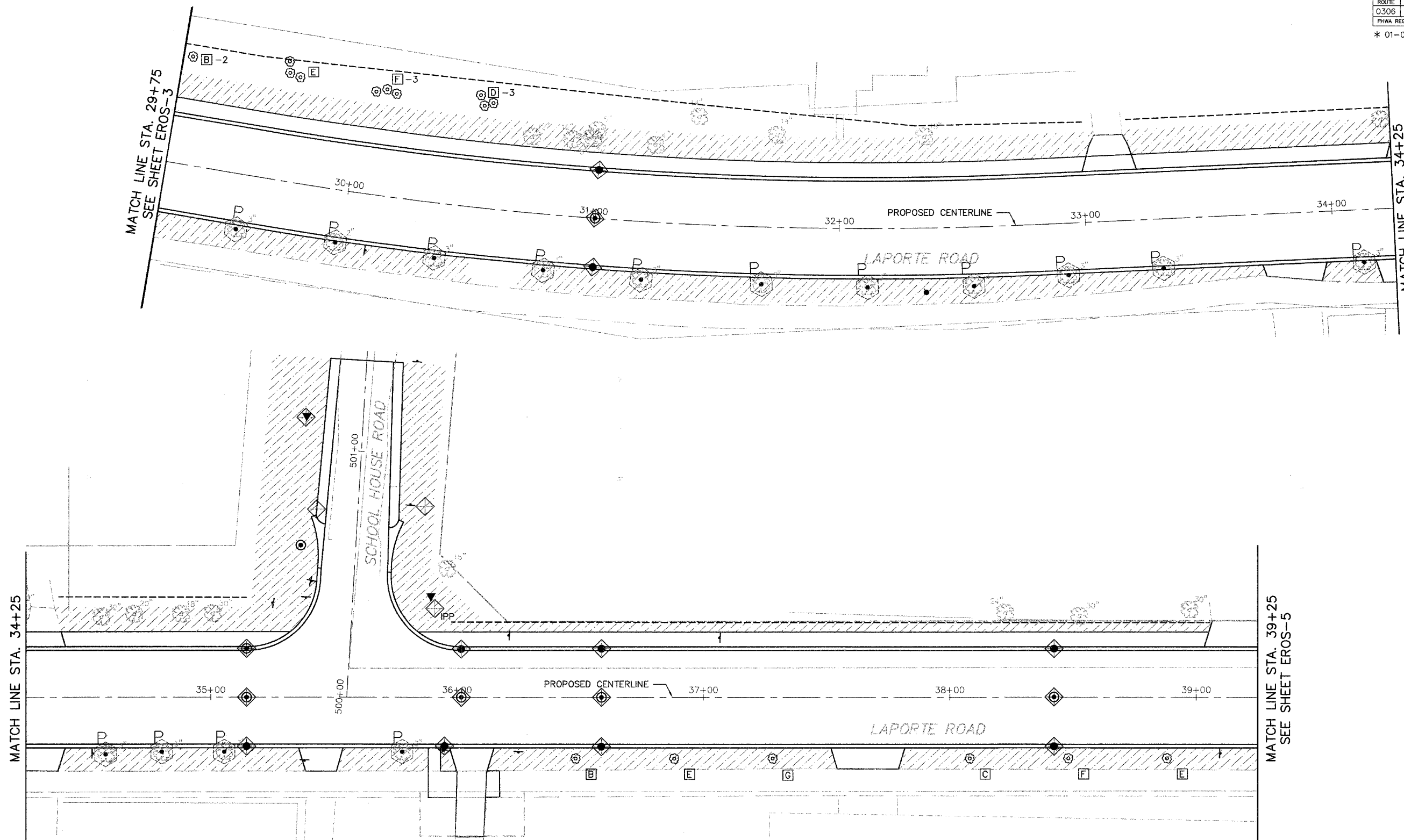
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

EROSION CONTROL AND LANDSCAPING PLAN
STATION 24+25 TO 29+25

DESIGN: MRJ _____	DATE: DEC. 2005 _____
DRAWN: RCD _____	SCALE: 1"=20' _____
CHECKED: SNS _____	FILE NO.: 3232 _____

PLOT DATE: Dec 21, 2005 - 10:05am
 FILENAME: N:\PROJECTS\3232\Design\Erosion\3232-erosion-03.dwg

PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	44
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP	CONTRACT NO. 83825			



- [A] T-ACERX FREM AB 2-1/2
- [B] T-CELTIS OCCID 2-1/2
- [C] T-OSTRYA VIRG 2
- [D] T-QUERCUS MEUH 2
- [E] T-TILIA AMER RD 2-1/2
- [F] T-QUERCUS ELLIP 1-3/4
- [G] T-PYRUS C CH TF 2-1/2

LEGEND

	SODDING, TOPSOIL, FURNISH AND PLACE, 4"
	INLET FILTERS
	INLET AND PIPE PROTECTION IPP
	TEMPORARY FENCE
	TREE TRUNK PROTECTION P
	PERIMETER EROSION BARRIER

EROS-4

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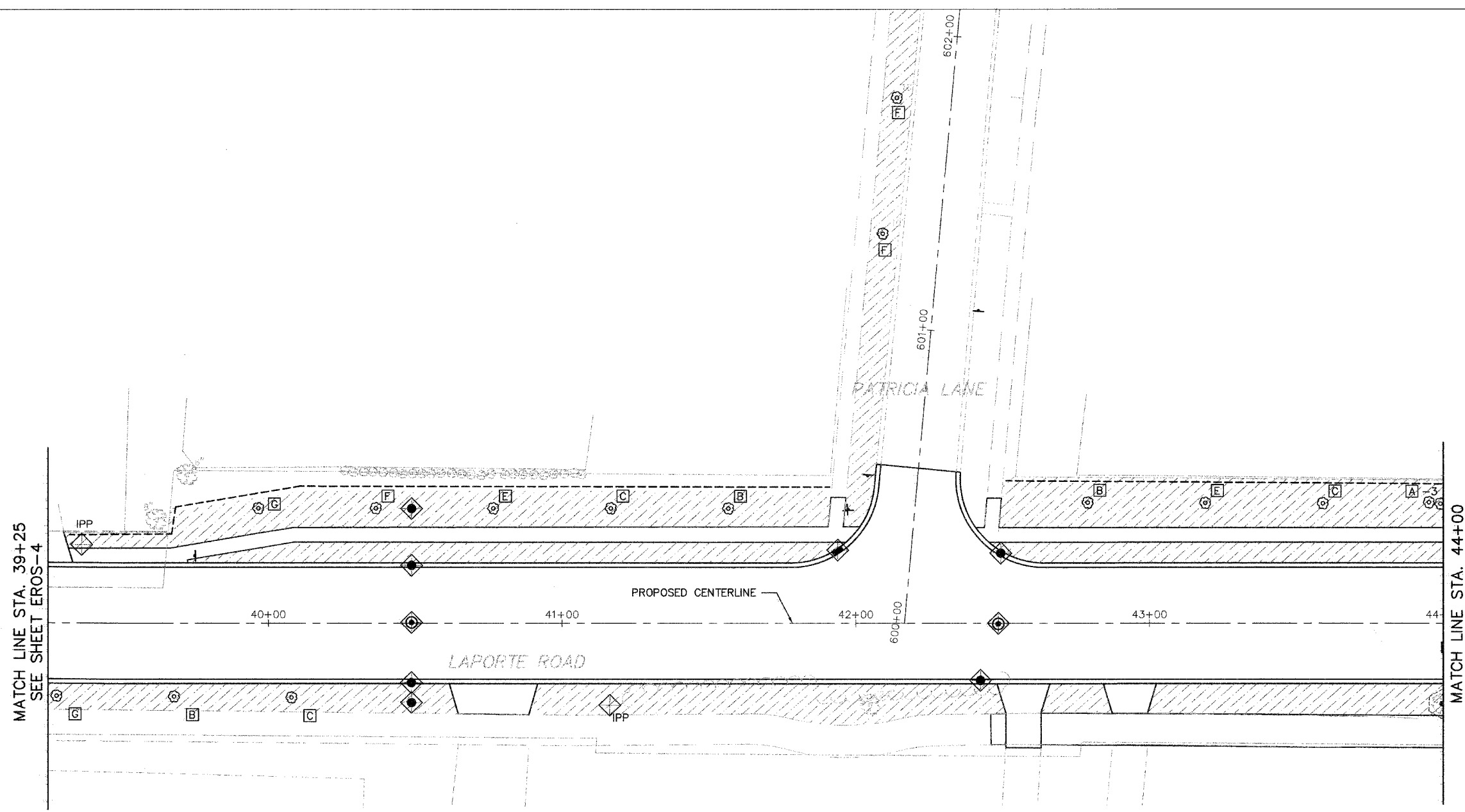
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

EROSION CONTROL AND LANDSCAPING PLAN
STATION 29+25 TO 39+25

DESIGN: MRJ _____ DATE: DEC. 2005
DRAWN: RCD _____ SCALE: 1"=20'
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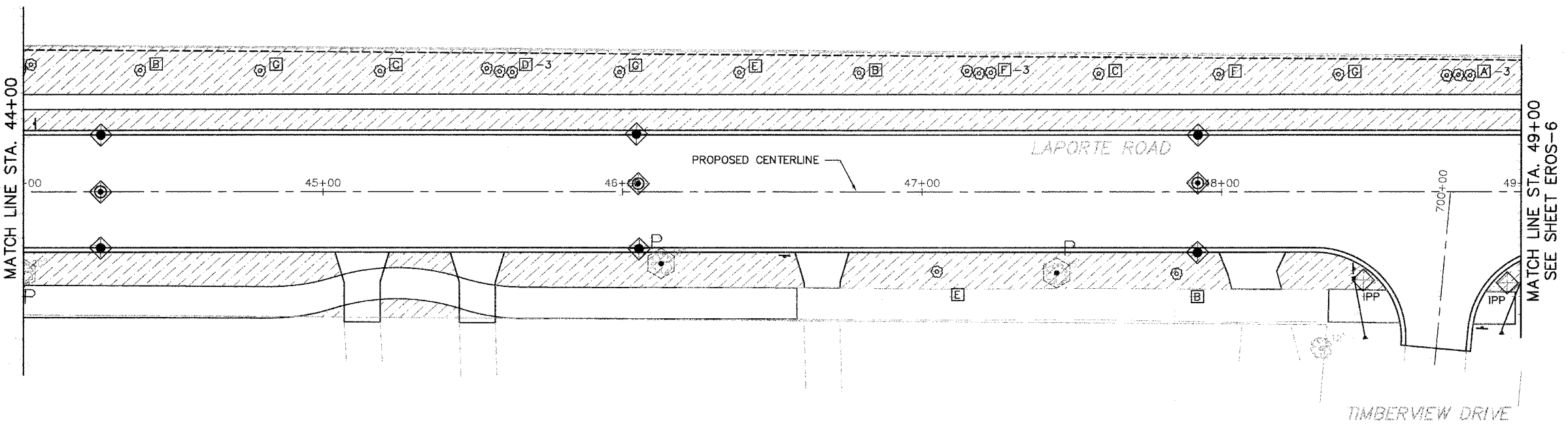
FAA ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	45
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



- [A] T-ACERX FREM AB 2-1/2
- [B] T-CELTIS OCCID 2-1/2
- [C] T-OSTRYA VIRG 2
- [D] T-QUERCUS MEUH 2
- [E] T-TILIA AMER RD 2-1/2
- [F] T-QUERCUS ELLIP 1-3/4
- [G] T-PYRUS C CH TF 2-1/2

LEGEND

- SODDING, TOPSOIL, FURNISH AND PLACE, 4"
- INLET FILTERS
- INLET AND PIPE PROTECTION
- TEMPORARY FENCE
- TREE TRUNK PROTECTION
- PERIMETER EROSION BARRIER



EROS-5

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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

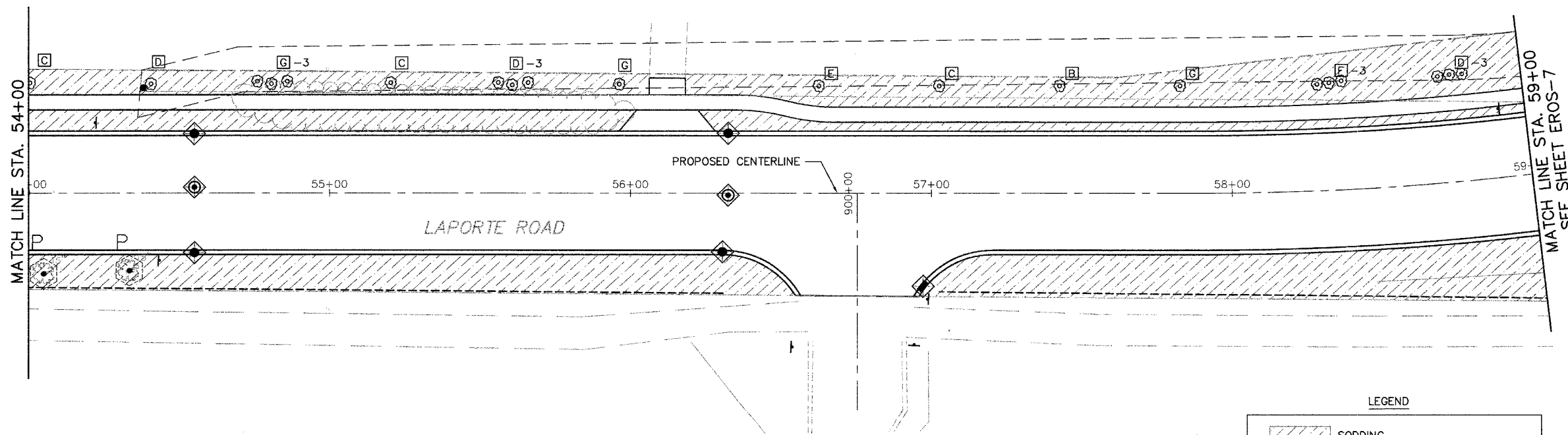
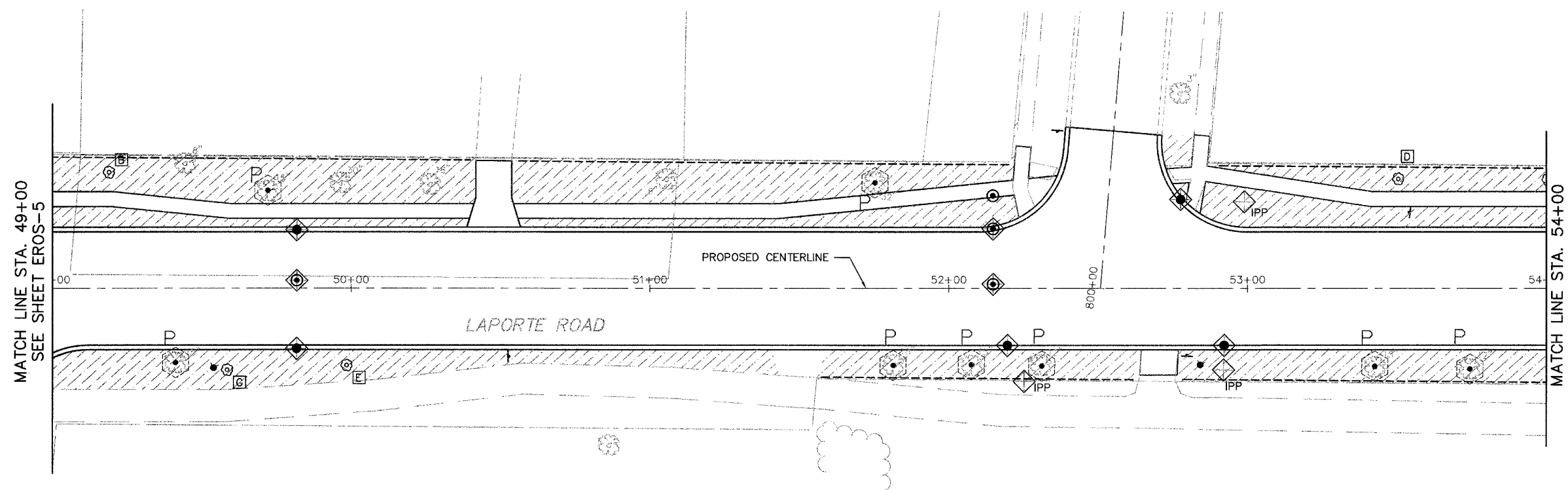
EROSION CONTROL AND LANDSCAPING PLAN
 STATION 39+25 TO 49+00

DESIGN: MRJ
 DRAWN: DJS/EAB
 CHECKED: RCD

DATE: DEC. 2005
 SCALE: 1"=20'
 FILE NO.: 3232

PLU1 DATE: Feb 07, 2006 1:54:28pm
 FILENAME: N:\PROJECTS\3232\Design\Erosion\3232-erosion-05.dwg

GREEN MEADOWS PARKWAY



FOREST PRESERVE ENTRANCE

- A T-ACERX FREM AB 2-1/2
- B T-CELTIS OCCID 2-1/2
- C T-OSTRYA VIRG 2
- D T-QUERCUS MEUH 2
- E T-TILIA AMER RD 2-1/2
- F T-QUERCUS ELLIP 1-3/4
- G T-PYRUS C CH TF 2-1/2

LEGEND	
	SODDING, TOPSOIL, FURNISH AND PLACE, 4"
	INLET FILTERS
	INLET AND PIPE PROTECTION
	TEMPORARY FENCE
	TREE TRUNK PROTECTION
	PERIMETER EROSION BARRIER

EROS-6

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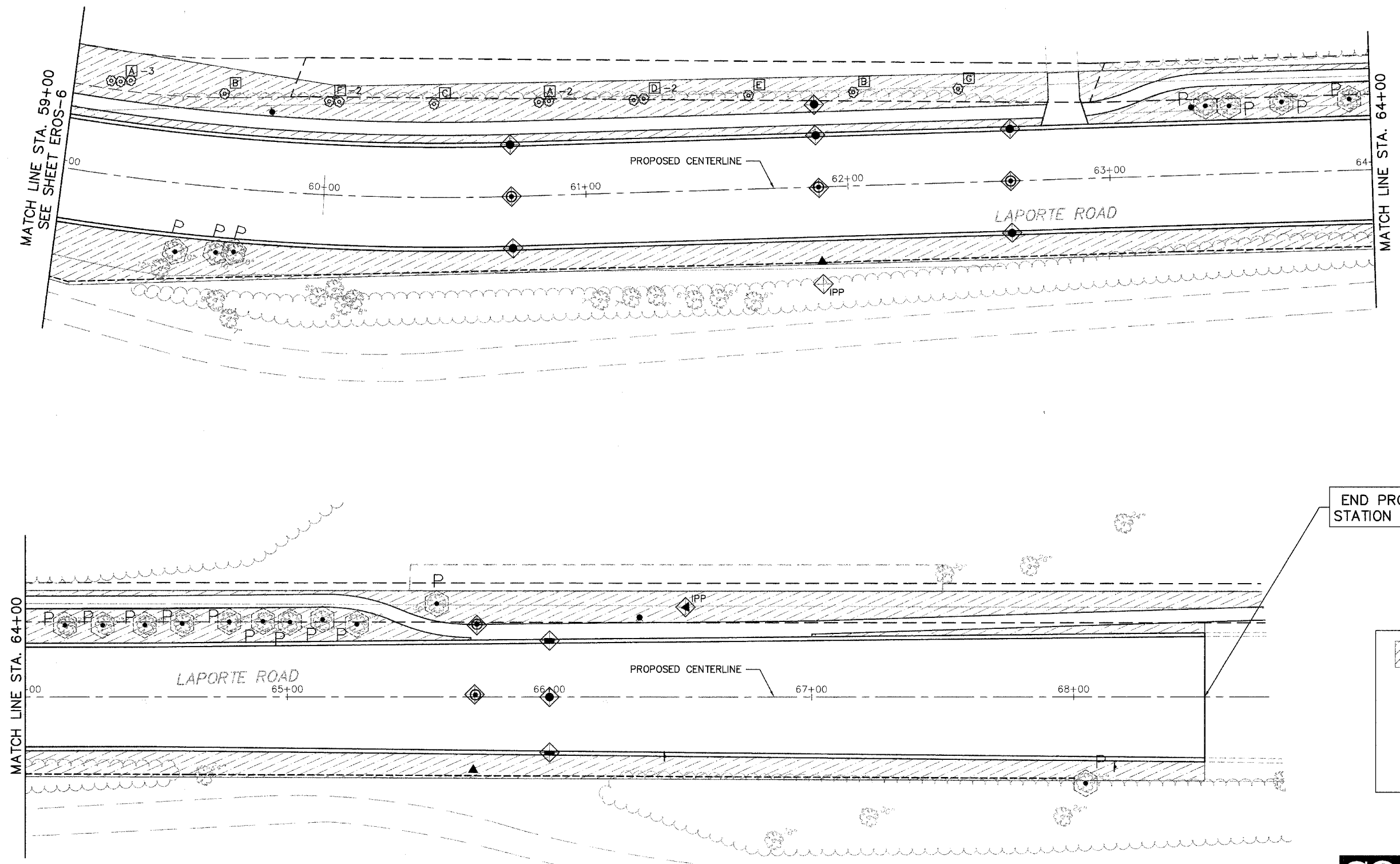
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

EROSION CONTROL AND LANDSCAPING PLAN
 STATION 49+00 TO 59+00

DESIGN: MRJ _____ DATE: DEC. 2005
 DRAWN: RCD _____ SCALE: 1"=20'
 CHECKED: SNS _____ FILE NO.: 3232

PLUT DATE: DEC 21, 2005 - 2:43pm
 FILENAME: N:\PROJECTS\3232\Design\Erosion\3232-erosion-06.dwg

FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	47
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



- A T-ACERX FREM AB 2-1/2
- B T-CELTIS OCCID 2-1/2
- C T-OSTRYA VIRG 2
- D T-QUERCUS MEUH 2
- E T-TILIA AMER RD 2-1/2
- F T-QUERCUS ELLIP 1-3/4
- G T-PYRUS C CH TF 2-1/2

END PROJECT STATION 68+50

LEGEND

- SODDING, TOPSOIL, FURNISH AND PLACE, 4"
- INLET FILTERS
- INLET AND PIPE PROTECTION (IPP)
- TEMPORARY FENCE
- TREE TRUNK PROTECTION
- PERIMETER EROSION BARRIER

EROS-7

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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

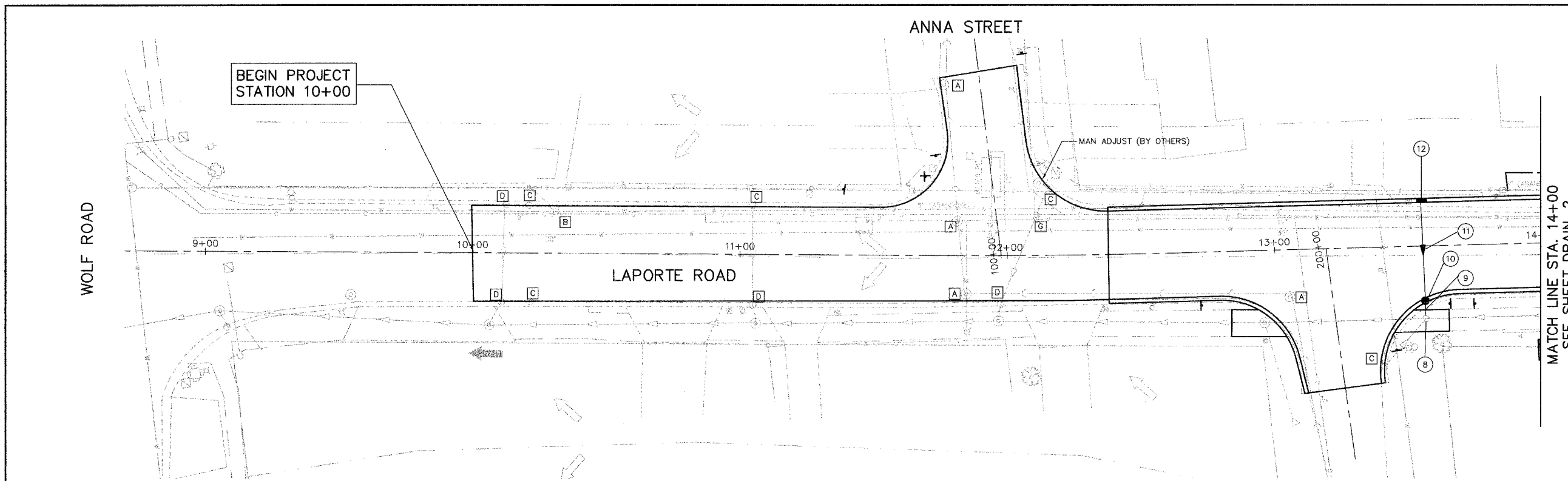
EROSION CONTROL AND LANDSCAPING PLAN
 STATION 59+00 TO 64+00

DESIGN: MRJ _____ DATE: DEC. 2005 _____
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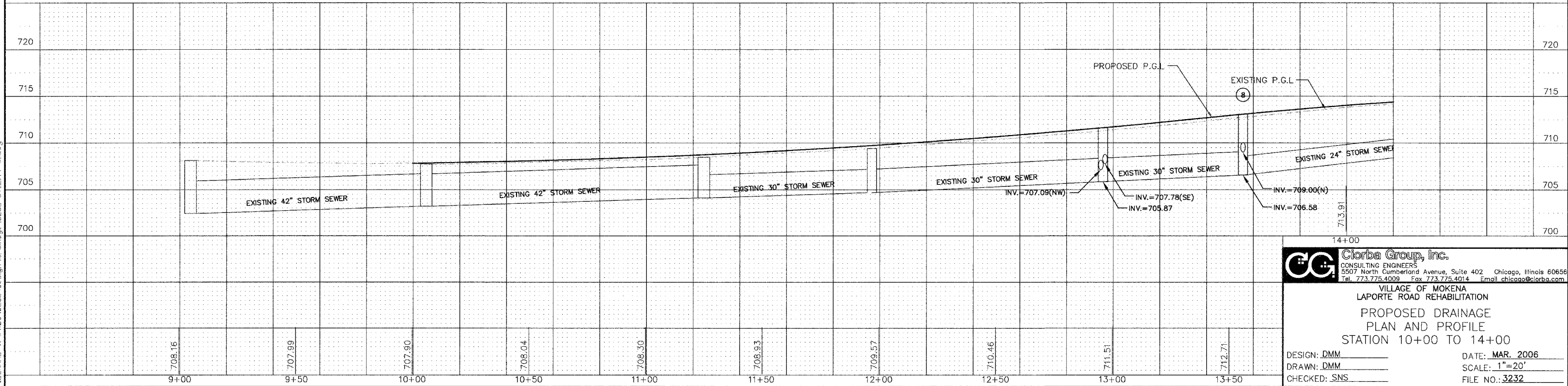
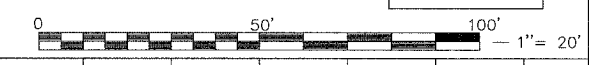
E.A.V. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	48
FHWA REGION NO.		ILLINOIS	PROJECT M-8003(200)	
* 01-00029-00-FP		CONTRACT NO. 83825		

- A SANITARY MANHOLES TO BE ADJUSTED
- B VALVE VAULTS TO BE ADJUSTED
- C INLETS TO BE ADJUSTED
- D CATCH BASINS TO BE ADJUSTED
- E FIRE HYDRANTS TO BE RELOCATED
- F REMOVING CATCH BASINS
- G VALVE BOXES TO BE ADJUSTED
- H REMOVING MANHOLES



- 1 NOT USED
- 2 NOT USED
- 3 NOT USED
- 4 NOT USED
- 5 NOT USED
- 6 NOT USED
- 7 NOT USED
- 8 STA. 13+56, 27 FT RT. EXISTING MANHOLE
T/F=711.83
INV.=706.58 (S)(E)(W)
INV.=709.00 (N)
- 9 STORM SEWER, RG. CLASS A, TYPE 1
5' -12" @ 1.0%
TBF=1.9 CY
- 10 STA. 13+55, 19.5 FT RT. CATCH BASIN T-A, 4' DIA., T-4 F&G
T/F=712.79
INV.=709.42 (N)
INV.=709.05 (S)
- 11 STORM SEWER, RG. CLASS A, TYPE 1
38' -12" @ 1.0%
TBF=10.5 CY
- 12 STA. 13+55, 16.5 FT LT. INLET, T-A, T-4 F&G
T/F=712.80
INV.=709.80

DRAIN-1



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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 10+00 TO 14+00

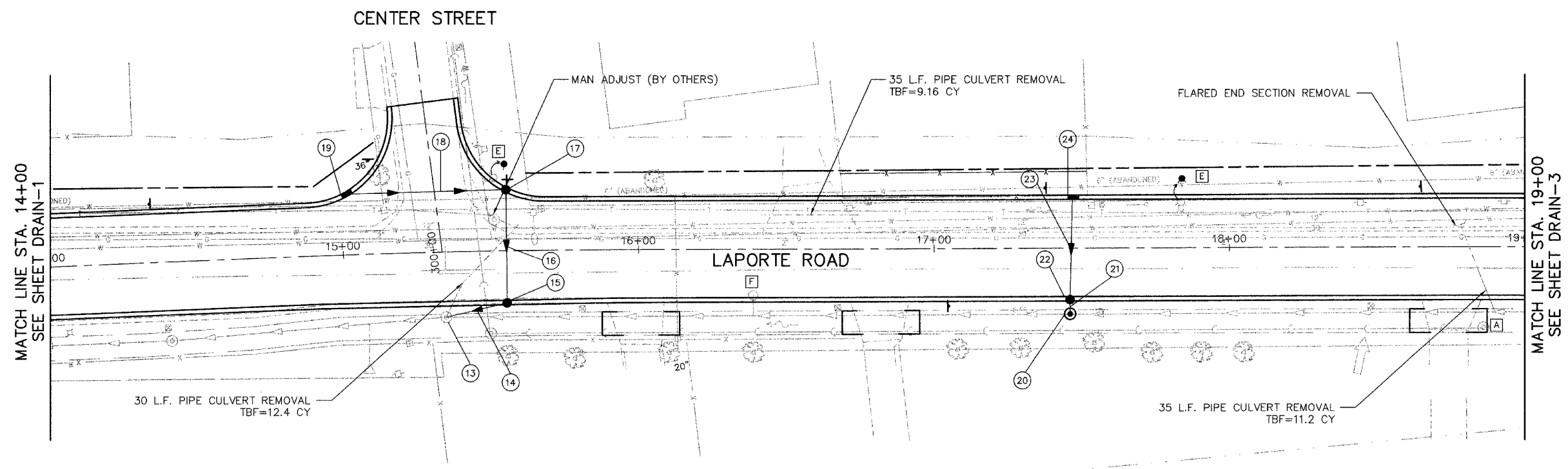
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CHECKED: SNS

DATE: MAR. 2006
SCALE: 1"=20'
FILE NO.: 3232

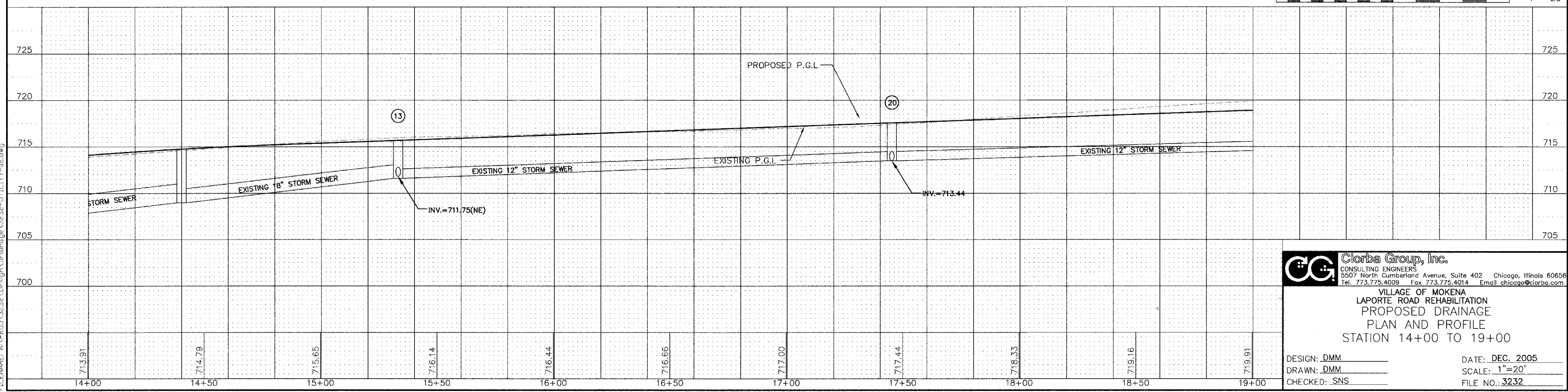
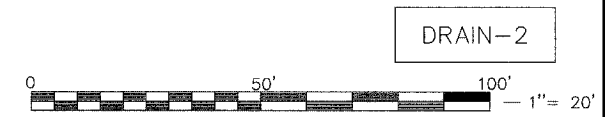
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F&M ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	49
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	

- [A] SANITARY MANHOLES TO BE ADJUSTED
- [B] VALVE VAULTS TO BE ADJUSTED
- [C] INLETS TO BE ADJUSTED
- [D] CATCH BASINS TO BE ADJUSTED
- [E] FIRE HYDRANTS TO BE RELOCATED
- [F] REMOVING CATCH BASINS
- [G] VALVE BOXES TO BE ADJUSTED
- [H] REMOVING MANHOLES



- 13 STA. 15+34, 22 FT RT. EXISTING MANHOLE T/F=715.75 INV.=711.55 (E)(W)(EXISTING) INV. 711.75 (NE)
- 14 STORM SEWER, RG, CLASS A, TYPE 1 20' -12" @ 0.5% TBF=6.5 CY
- 15 STA. 15+55, 17 FT RT. CATCH BASIN, T-A, 4' DIA., T-4 F&G T/F=715.56 INV.=711.85 (SW)(N)
- 16 STORM SEWER, RG, CLASS A, TYPE 1 40' -12" @ 0.5% TBF=11.8 CY
- 17 STA. 15+55, 20 FT LT. CATCH BASIN T-A, 4' DIA., T-4 F&G T/F=715.45 INV.=712.05 (S)(W)
- 18 STORM SEWER, RG, CLASS A, TYPE 1 54' -12" @ 0.5% TBF=12.7 CY
- 19 STA. 15+02, 20 FT LT. INLET T-A, T-4 F&G T/F=714.82 INV.=712.32
- 20 STA. 17+46, 22 FT RT. MANHOLE, T-A, 4' DIA., T-1 F CL T/F=717.31 INV.=713.44
- 21 STORM SEWER, RG, CLASS A, TYPE 1 5' -12" @ 0.5% TBF=1.6 CY
- 22 STA. 17+45, 16.5 FT RT. CATCH BASIN, T-A, 4' DIA., T-4 F&G T/F=717.24 INV.=713.47 (N)(S)
- 23 STORM SEWER, RG, CLASS A, TYPE 1 35' -12" @ 0.5% TBF=10.8 CY
- 24 STA. 17+47, 16.5 FT LT. INLET T-A, T-4 F&G T/F=717.26 INV.=713.64



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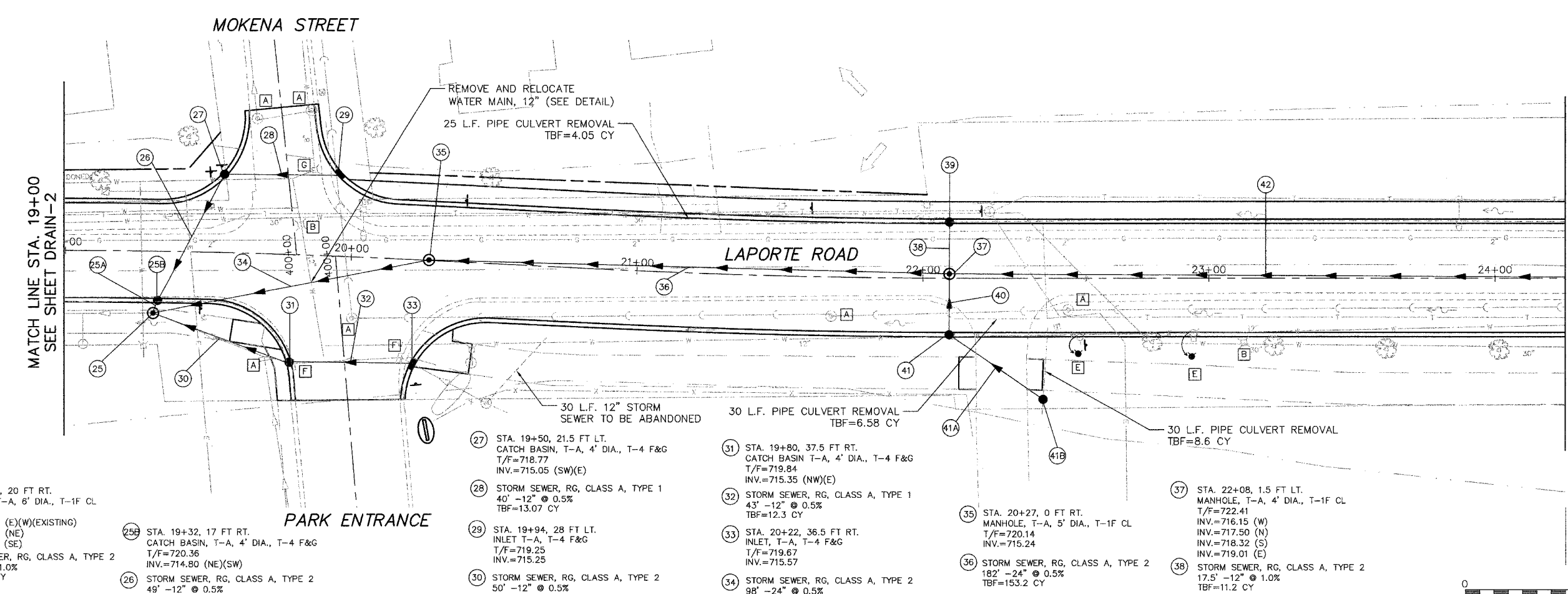
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 14+00 TO 19+00

DESIGN: DMM
DRAWN: DMM
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PLU1 DATE: Dec 22, 2005 - 4:03pm
FILENAME: N:\PROJ\3232\Design\Drainage\3232-UTILITY-02.dwg

F&M ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	50
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)	CONTRACT NO. 83825	
* 01-00029-00-FP				



- [A] SANITARY MANHOLES TO BE ADJUSTED
 - [B] VALVE VAULTS TO BE ADJUSTED
 - [C] INLETS TO BE ADJUSTED
 - [D] CATCH BASINS TO BE ADJUSTED
 - [E] FIRE HYDRANTS TO BE RELOCATED
 - [F] REMOVING CATCH BASINS
 - [G] VALVE BOXES TO BE ADJUSTED
 - [H] REMOVING MANHOLES
- 39 STA. 22+08, 1.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G T/F=722.06 INV.=717.68
 - 40 STORM SEWER, RG, CLASS A, TYPE 2 21' -12" @ 1.0% TBF=13.1 CY
 - 41 STA. 22+08, 1.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G T/F=722.06 INV.=718.53 (N)(SE)
 - 41A STORM SEWER, RG, CLASS A, TYPE 2 40' -12" @ 1.0% TBF=11.1 CY
 - 41B STA. 22+08, 1.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-8 F&G T/F=722.43 INV.=718.93
 - 42 STORM SEWER, RG, CLASS A, TYPE 2 224' -18" @ 0.5% TBF=156.7 CY

- 25 STA. 19+34, 20 FT RT. MANHOLE, T-A, 6' DIA., T-1F CL T/F=720.36 INV.=714.75 (E)(W)(EXISTING) INV.=714.75 (NE) INV.=715.10 (SE)
- 25A STORM SEWER, RG, CLASS A, TYPE 2 5' -12" @ 1.0% TBF=3.95 CY
- 25B STA. 19+32, 17 FT RT. CATCH BASIN, T-A, 4' DIA., T-4 F&G T/F=720.36 INV.=714.80 (NE)(SW)
- 26 STORM SEWER, RG, CLASS A, TYPE 2 49' -12" @ 0.5% TBF=31.29 CY

- 27 STA. 19+50, 21.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G T/F=718.77 INV.=715.05 (SW)(E)
- 28 STORM SEWER, RG, CLASS A, TYPE 1 40' -12" @ 0.5% TBF=13.07 CY
- 29 STA. 19+94, 28 FT LT. INLET T-A, T-4 F&G T/F=719.25 INV.=715.25
- 30 STORM SEWER, RG, CLASS A, TYPE 2 50' -12" @ 0.5% TBF=17.7 CY

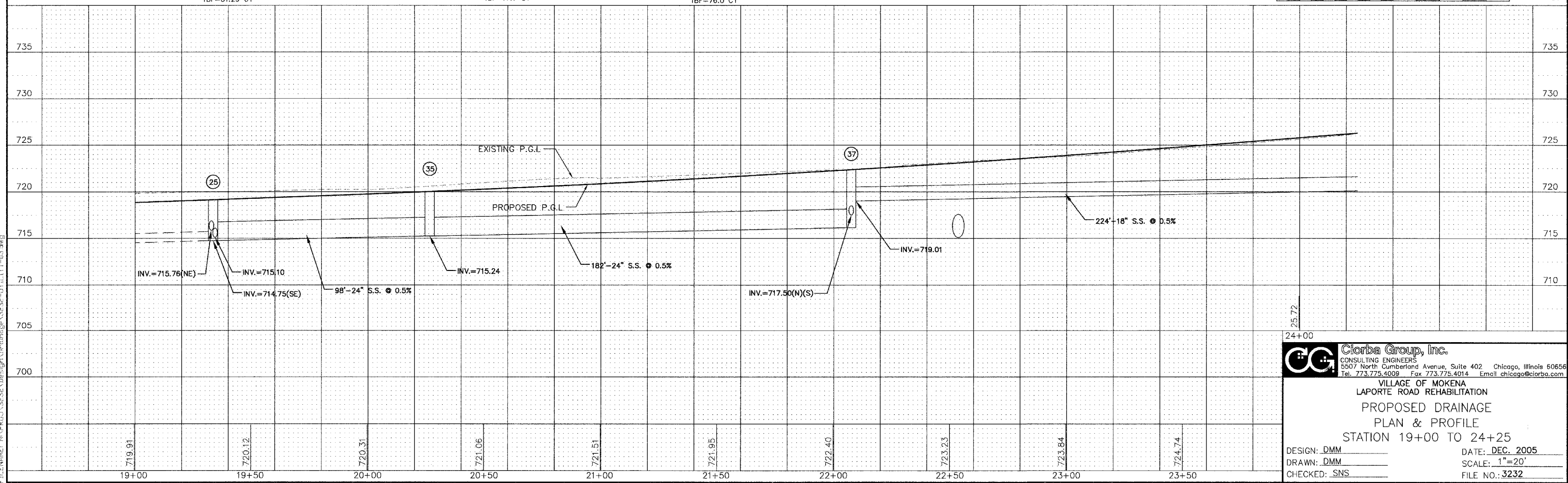
- 31 STA. 19+80, 37.5 FT RT. CATCH BASIN T-A, 4' DIA., T-4 F&G T/F=719.84 INV.=715.35 (NW)(E)
- 32 STORM SEWER, RG, CLASS A, TYPE 1 43' -12" @ 0.5% TBF=12.3 CY
- 33 STA. 20+22, 36.5 FT RT. INLET, T-A, T-4 F&G T/F=719.67 INV.=715.57
- 34 STORM SEWER, RG, CLASS A, TYPE 2 98' -24" @ 0.5% TBF=76.0 CY

- 35 STA. 20+27, 0 FT RT. MANHOLE, T-A, 5' DIA., T-1F CL T/F=720.14 INV.=715.24
- 36 STORM SEWER, RG, CLASS A, TYPE 2 182' -24" @ 0.5% TBF=153.2 CY
- 37 STA. 22+08, 1.5 FT LT. MANHOLE, T-A, 4' DIA., T-1F CL T/F=722.41 INV.=716.15 (W) INV.=717.50 (N) INV.=718.32 (S) INV.=719.01 (E)
- 38 STORM SEWER, RG, CLASS A, TYPE 2 17.5' -12" @ 1.0% TBF=11.2 CY

- 39 STA. 22+08, 1.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G T/F=722.06 INV.=717.68
- 40 STORM SEWER, RG, CLASS A, TYPE 2 21' -12" @ 1.0% TBF=13.1 CY
- 41 STA. 22+08, 1.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G T/F=722.06 INV.=718.53 (N)(SE)
- 41A STORM SEWER, RG, CLASS A, TYPE 2 40' -12" @ 1.0% TBF=11.1 CY
- 41B STA. 22+08, 1.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-8 F&G T/F=722.43 INV.=718.93
- 42 STORM SEWER, RG, CLASS A, TYPE 2 224' -18" @ 0.5% TBF=156.7 CY



DRAIN-3



PLOT DATE: Dec 22, 2005 - 4:03pm
 FILENAME: N:\PROJ\3232\Design\Drainage\3232-UTILITY-03.dwg

25.72
24+00

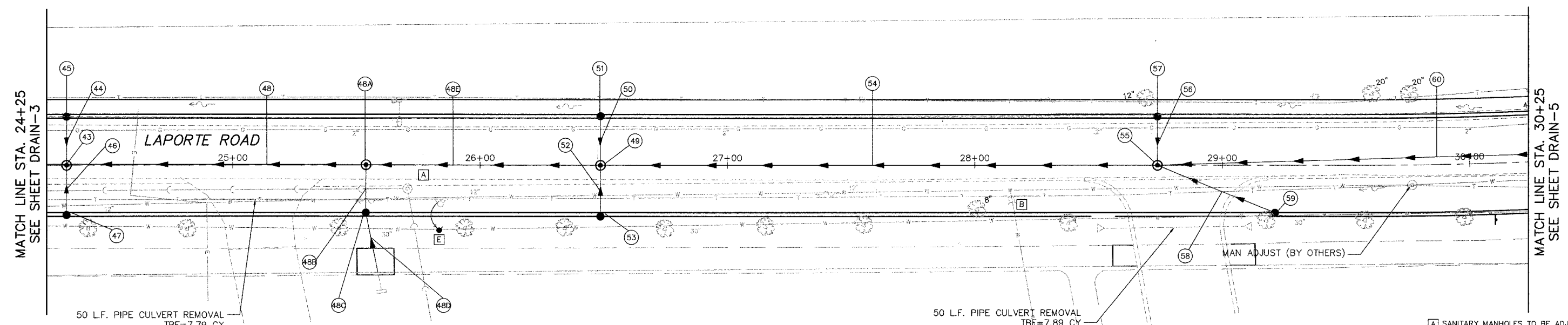
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 CONSULTING ENGINEERS
 6307 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4008 Fax 773.775.4014 Email chicago@ciorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 PROPOSED DRAINAGE
 PLAN & PROFILE
 STATION 19+00 TO 24+25

DESIGN: DMM
DATE: DEC. 2005

DRAWN: DMM
SCALE: 1"=20'

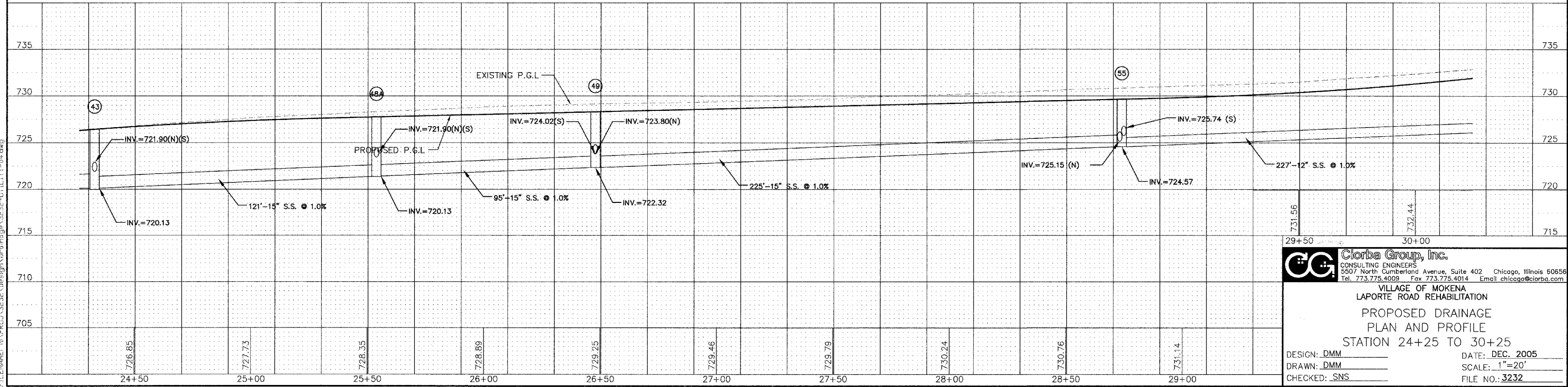
CHECKED: SNS
FILE NO.: 3232



- 43 STA. 24+33, 0 FT RT. MANHOLE, T-A, 4' DIA., T-1F CL
T/F=726.50
INV.=720.13 (E)(W)
INV.=721.90 (N)
INV.=722.74 (S)
- 44 STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 1.0%
TBF=6.7 CY
- 45 STA. 24+33, 18.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=726.13
INV.=722.09
- 46 STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 1.0%
TBF=7.1 CY
- 47 STA. 24+33, 18.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=726.13
INV.=722.93
- 48 STORM SEWER, RG, CLASS A, TYPE 2
121' -15" @ 1.0%
TBF=121.6 CY
- 48A STA. 25+54, 0 FT RT. MANHOLE, T-A, 4' DIA., T-1F CL
T/F=727.80
INV.=721.34 (E)(W)
INV.=723.45 (S)
- 48B STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 1.0%
TBF=7.1 CY
- 48C STA. 24+33, 18.5 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=727.44
INV.=723.64 (N)
INV.=725.03 (S)
- 48D STORM SEWER, RG, CLASS A, TYPE 1
24' -12" @ 6.7%
TBF=2.9 CY
- 48E STORM SEWER, RG, CLASS A, TYPE 2
95' -15" @ 1.0%
TBF=85.5 CY
- 49 STA. 26+48, 0 FT LT. MANHOLE T-A, 4' DIA., T-1F CL
T/F=728.40
INV.=722.32 (E)(W)
INV.=723.80 (N)
INV.=724.62 (S)
- 50 STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 1.0%
TBF=7.1 CY
- 51 STA. 26+48, 19 FT LT. CATCH BASIN T-A, 4' DIA., T-4 F&G
T/F=728.01
INV.=723.99
- 52 STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 1.0%
TBF=6.7 CY
- 53 STA. 26+48, 19 FT RT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=728.01
INV.=724.81
- 54 STORM SEWER, RG, CLASS A, TYPE 2
225' -15" @ 1.0%
TBF=184.1 CY
- 55 STA. 28+74, 0 FT LT. MANHOLE, T-A, 4' DIA., T-1F CL
T/F=729.74
INV.=724.57 (E)(W)
INV.=725.15 (N)
INV.=725.74 (SE)
- 56 STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 1.0%
TBF=7.1 CY
- 57 STA. 28+74, 0 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=729.36
INV.=725.34
- 58 STORM SEWER, RG, CLASS A, TYPE 1
51' -12" @ 1.0%
TBF=15.0 CY
- 59 STA. 28+74, 19 FT RT. CATCH BASIN T-A, 4' DIA., T-4 F&G
T/F=729.36
INV.=726.25
- 60 STORM SEWER, RG, CLASS A, TYPE 2
227' -12" @ 1.0%
TBF=200.0 CY

- A SANITARY MANHOLES TO BE ADJUSTED
- B VALVE VAULTS TO BE ADJUSTED
- C INLETS TO BE ADJUSTED
- D CATCH BASINS TO BE ADJUSTED
- E FIRE HYDRANTS TO BE RELOCATED
- F REMOVING CATCH BASINS
- G VALVE BOXES TO BE ADJUSTED
- H REMOVING MANHOLES

DRAIN-4



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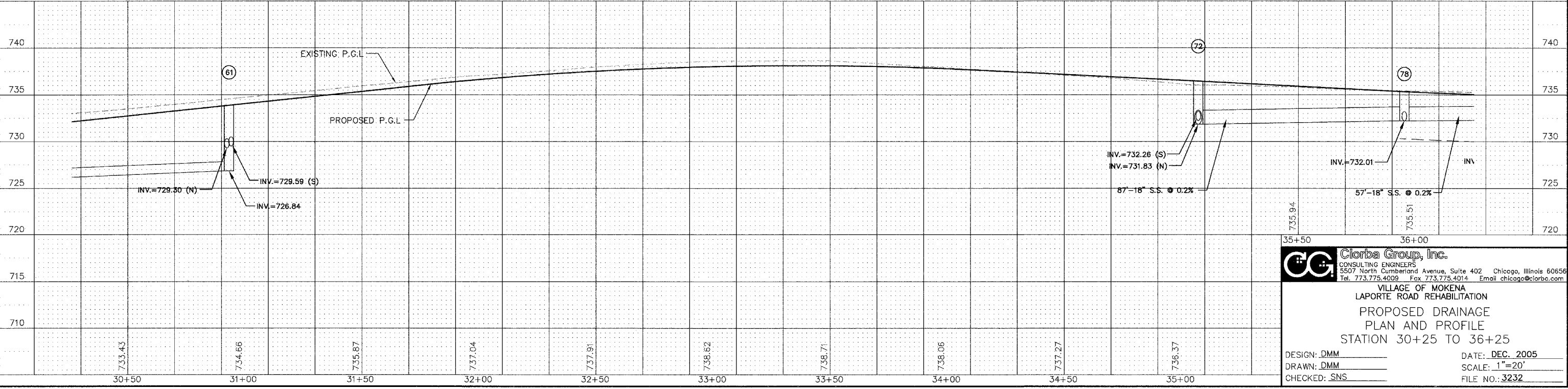
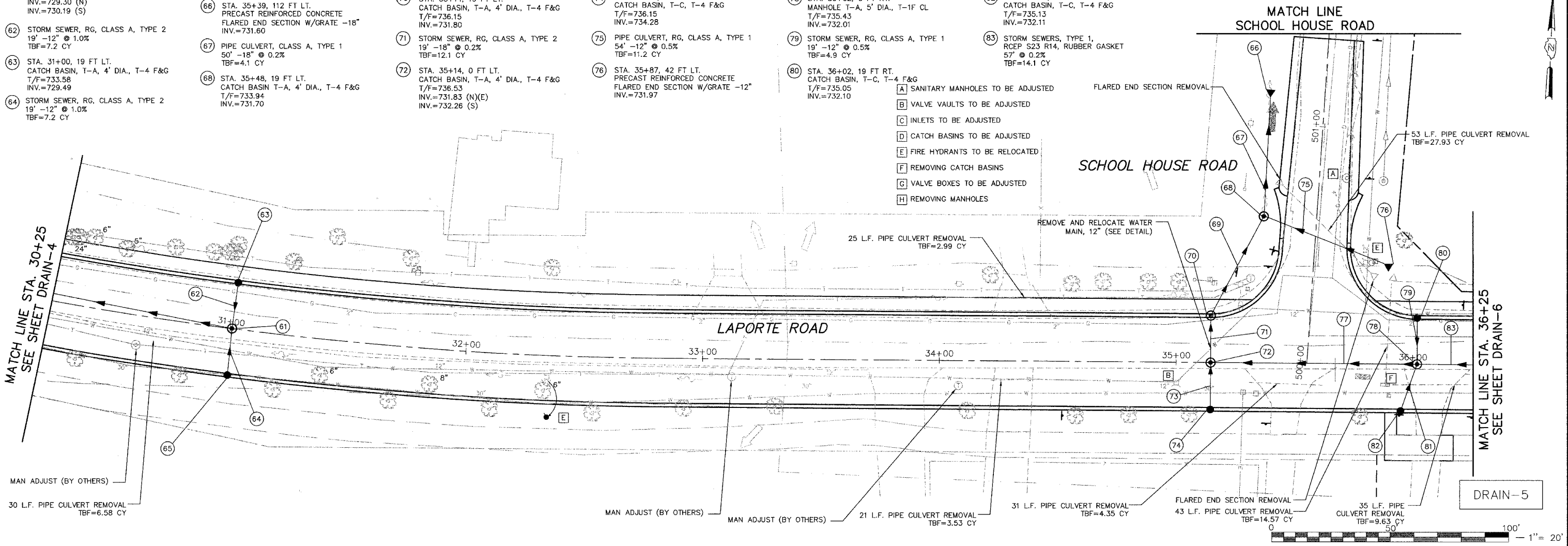
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 24+25 TO 30+25
DESIGN: DMM
DRAWN: DMM
CHECKED: SNS
DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PLOT DATE: Dec 22, 2005 4:10pm
 FILENAME: N:\PROJECTS\2005\Design\Drawings\Utility-04.dwg

FEAL ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	52
ILHW REGION NO.	ILLINOIS	PROJECT M-8003(200)	CONTRACT NO. 83825	

- 61 STA. 31+00, 0 FT RT. MANHOLE, T-A, 4' DIA., T-1F CL
T/F=733.96
INV.=726.84 (W)
INV.=729.30 (N)
INV.=730.19 (S)
- 62 STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 1.0%
TBF=7.2 CY
- 63 STA. 31+00, 19 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=733.58
INV.=729.49
- 64 STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 1.0%
TBF=7.2 CY
- 65 STA. 31+00, 19 FT RT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=733.58
INV.=730.38
- 66 STA. 35+39, 112 FT LT. PRECAST REINFORCED CONCRETE FLARED END SECTION W/GRATE -18"
INV.=731.60
- 67 PIPE CULVERT, CLASS A, TYPE 1
50' -18" @ 0.2%
TBF=4.1 CY
- 68 STA. 35+48, 19 FT LT. CATCH BASIN T-A, 4' DIA., T-4 F&G
T/F=733.94
INV.=731.70
- 69 STORM SEWER, RG, CLASS A, TYPE 1
48' -18" @ 0.2%
TBF=12.9 CY
- 70 STA. 35+14, 19 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=736.15
INV.=731.80
- 71 STORM SEWER, RG, CLASS A, TYPE 2
19' -18" @ 0.2%
TBF=12.1 CY
- 72 STA. 35+14, 0 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=736.53
INV.=731.83 (N)(E)
INV.=732.26 (S)
- 73 STORM SEWER, RG, CLASS A, TYPE 2
19' -12" @ 0.47%
TBF=6.6 CY
- 74 STA. 35+14, 19 FT LT. CATCH BASIN, T-C, T-4 F&G
T/F=736.15
INV.=734.28
- 75 PIPE CULVERT, RG, CLASS A, TYPE 1
54' -12" @ 0.5%
TBF=11.2 CY
- 76 STA. 35+87, 42 FT LT. PRECAST REINFORCED CONCRETE FLARED END SECTION W/GRATE -12"
INV.=731.97
- 77 STORM SEWER, RG, CLASS A, TYPE 1
87' -18" @ 0.2%
TBF=31.8 CY
- 78 STA. 36+02, 0 FT RT. MANHOLE T-A, 5' DIA., T-1F CL
T/F=735.43
INV.=732.01
- 79 STORM SEWER, RG, CLASS A, TYPE 1
19' -12" @ 0.5%
TBF=4.9 CY
- 80 STA. 36+02, 19 FT RT. CATCH BASIN, T-C, T-4 F&G
T/F=735.05
INV.=732.10
- 81 STORM SEWER, RG, CLASS A, TYPE 1
20' -12" @ 0.5%
TBF=5.2 CY
- 82 STA. 35+95, 19 FT RT. CATCH BASIN, T-C, T-4 F&G
T/F=735.13
INV.=732.11
- 83 STORM SEWERS, TYPE 1, RCEP S23 R14, RUBBER GASKET
57' @ 0.2%
TBF=14.1 CY

- A SANITARY MANHOLES TO BE ADJUSTED
- B VALVE VAULTS TO BE ADJUSTED
- C INLETS TO BE ADJUSTED
- D CATCH BASINS TO BE ADJUSTED
- E FIRE HYDRANTS TO BE RELOCATED
- F REMOVING CATCH BASINS
- G VALVE BOXES TO BE ADJUSTED
- H REMOVING MANHOLES



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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 30+25 TO 36+25

DESIGN: DMM
DRAWN: DMM
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

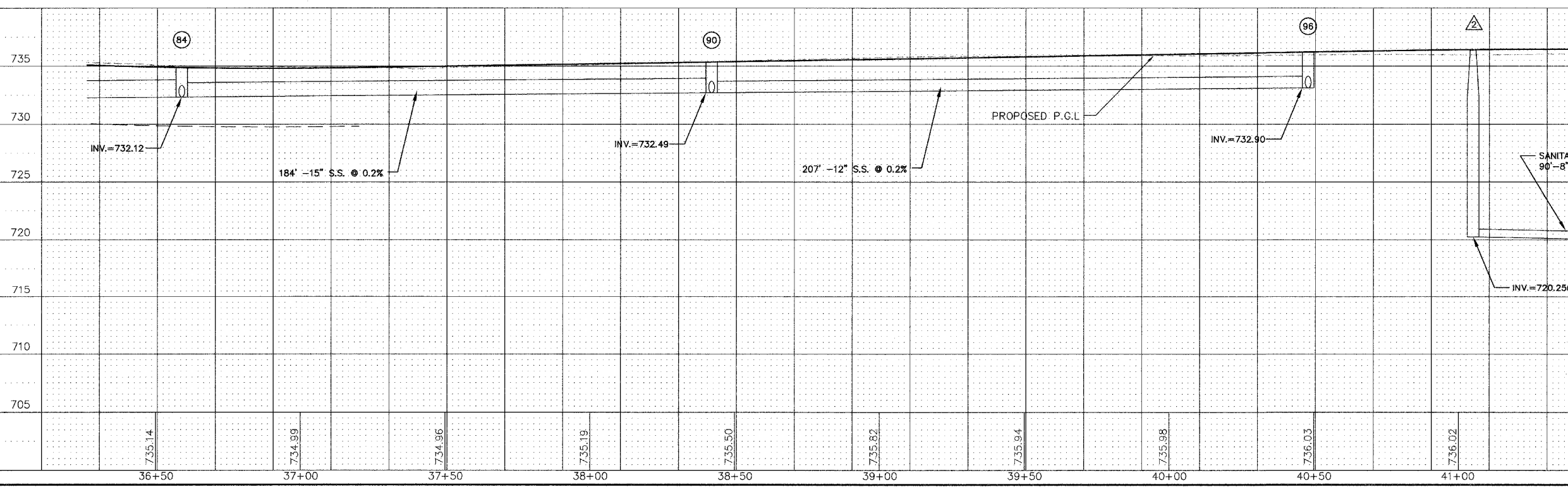
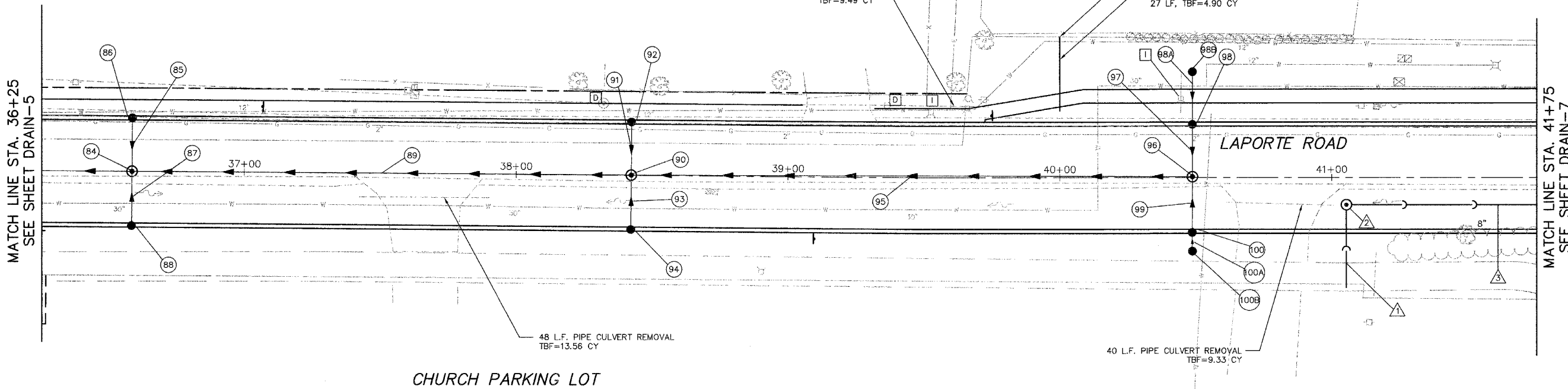
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FILENAME: N:\PROJECTS\3232\Design\Drainage\3232-DTL11V-05.dwg

- (84) STA. 36+59, 0 FT RT. MANHOLE, T-A, 5' DIA., T-1F CL
T/F=734.95
INV.=732.12
- (85) STORM SEWER, RG, CLASS A, TYPE 1
19' -12" @ 0.5%
TBF=3.7 CY
- (86) STA. 36+59, 19 FT LT. CATCH BASIN, T-C, T-4 F&G
T/F=734.57
INV.=732.22
- (87) STORM SEWER, RG, CLASS A, TYPE 1
19' -12" @ 0.5%
TBF=3.7 CY
- (88) STA. 31+00, 19 FT RT. CATCH BASIN, T-C, T-4 F&G
T/F=734.57
INV.=732.22
- (89) STORM SEWER, RG, CLASS A, TYPE 1
18' -15" @ 0.2%
TBF=41.2 CY
- (90) STA. 38+42, 0 FT RT. MANHOLE T-A, 4' DIA., T-1F CL
T/F=735.44
INV.=732.49
- (91) STORM SEWER, RG, CLASS A, TYPE 1
19' -12" @ 0.5%
TBF=3.9 CY
- (92) STA. 38+42, 19 FT LT. CATCH BASIN, T-C, T-4 F&G
T/F=735.06
INV.=732.59
- (93) STORM SEWER, RG, CLASS A, TYPE 1
19' -12" @ 0.5%
TBF=3.9 CY
- (94) STA. 38+42 0 FT LT. CATCH BASIN, T-C, T-4 F&G
T/F=735.06
INV.=732.59
- (95) STORM SEWER, RG, CLASS A, TYPE 1
20' -12" @ 0.2%
TBF=52.4 CY
- (96) STA. 40+48, 19 FT LT. MANHOLE, T-A, 4' DIA., T-1F CL
T/F=736.27
INV.=732.90
- (97) STORM SEWER, RG, CLASS A, TYPE 1
19' -12" @ 0.5%
TBF=4.8 CY
- (98) STA. 40+48, 19 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=735.89
INV.=733.00 (N)(S)
- (98A) STORM SEWER, RG, CLASS A, TYPE 1
20' -12" @ 1.0%
TBF=1.0 CY
- (98B) STA. 40+48, 39 FT LT. CATCH BASIN, T-C, T-8 F&G
T/F=734.9
INV.=733.2 (S)
- (99) STORM SEWER, RG, CLASS A, TYPE 1
19' -12" @ 0.5%
TBF=4.8 CY
- (100) STA. 40+48, 19 FT RT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=735.89
INV.=733.00 (N)(S)

- (100A) STORM SEWER, RG, CLASS A, TYPE 1
8' -12" @ 1.0%
TBF=1.0 CY
- (100B) STA. 40+48, 27 FT RT. CATCH BASIN, T-C, T-8 F&G
T/F=734.9
INV.=733.08 (N)
- △ SANITARY SEWER SERVICE 6" 28' @ 1.0%, TBF=28.55 CY
- △ STA 41+05, 10 FT RT. SANITARY MANHOLE, TYPE A, 5'-DIAMETER, T-1F CL W/INTERIOR DROP
T/F=736.27
INV.=720.25 (E)
- △ SANITARY SEWER, PVC SDR 26 90'-8" @ 0.4%
TBF=205.41 CY

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	53
RHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)	CONTRACT NO. 83825	
* 01-00029-00-FP				

- A SANITARY MANHOLES TO BE ADJUSTED
- B VALVE VAULTS TO BE ADJUSTED
- C INLETS TO BE ADJUSTED
- D CATCH BASINS TO BE ADJUSTED
- E FIRE HYDRANTS TO BE RELOCATED
- F REMOVING CATCH BASINS
- G VALVE BOXES TO BE ADJUSTED
- H REMOVING MANHOLES
- I VALVE VAULTS, T-A, T1F, CL



41+50

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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 36+25 TO 41+75

DESIGN: DMM
DRAWN: DMM
CHECKED: SNS

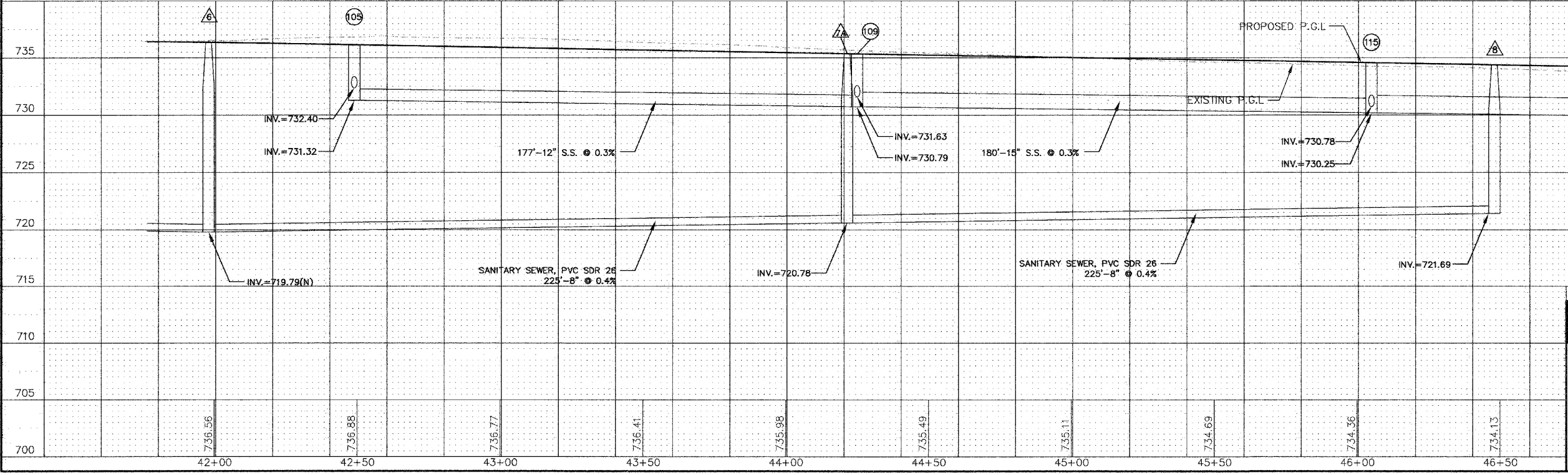
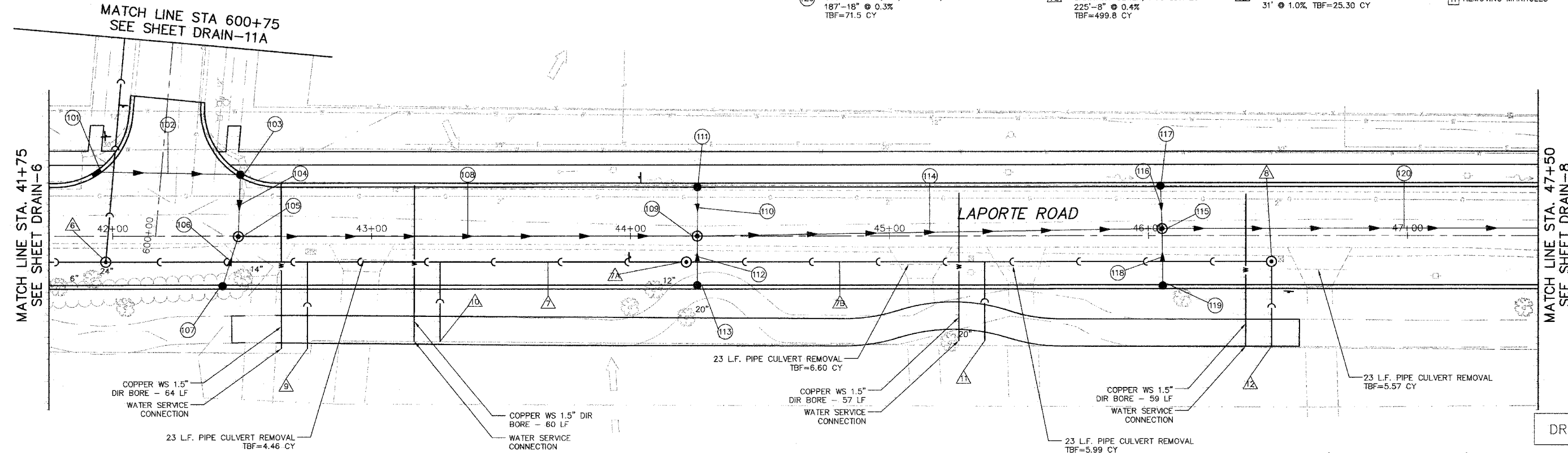
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SCALE: 1"=20'
FILE NO.: 3232

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FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	54
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)	CONTRACT NO. 83825	

- (101) STA. 41+94, 24 FT LT. INLET, T-A, T-4 F&G
T/F=735.98
INV.=732.80
- (102) STORM SEWER, RG, CLASS A, TYPE 1
55'-12" @ 0.5%
TBF=13.9 CY
- (103) STA. 42+49, 23 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=735.66
INV.=732.52
- (104) STORM SEWER, RG, CLASS A, TYPE 1
24'-12" @ 0.5%
TBF=6.9 CY
- (105) STA. 42+49, 0 FT RT. MANHOLE, T-A, 4' DIA., T-1F CL
T/F=736.20
INV.=731.32 (E)
INV.=732.40 (N)(S)
- (106) STORM SEWER, RG, CLASS A, TYPE 1
20'-12" @ 0.5%
TBF=5.9 CY
- (107) STA. 42+42, 19 FT RT. CATCH BASIN T-A, 4' DIA., T-4 F&G
T/F=735.85
INV.=732.50
- (108) STORM SEWER, RG, CLASS A, TYPE 2
177'-12" @ 0.3%
TBF=119.8 CY
- (109) STA. 44+26, 0 FT LT. MANHOLE, T-A, 4' DIA., T-1F CL
T/F=735.43
INV.=730.79 (E)(W)
INV.=731.63 (N)(S)
- (110) STORM SEWER, RG, CLASS A, TYPE 1
19'-12" @ 0.53%
TBF=5.6 CY
- (111) STA. 44+25, 19 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=735.05
INV.=731.73
- (112) STORM SEWER, RG, CLASS A, TYPE 1
19'-12" @ 0.53%
TBF=5.6 CY
- (113) STA. 44+25, 19 FT RT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=735.05
INV.=731.73
- (114) STORM SEWER, RG, CLASS A, TYPE 2
180'-15" @ 0.3%
TBF=165.8 CY
- (115) STA. 46+05, 0 FT LT. MANHOLE, T-A, 4' DIA., T-1F CL
T/F=734.58
INV.=730.25(E)(W)
INV.=730.78(N)(S)
- (116) STORM SEWER, RG, CLASS A, TYPE 2
16'-12" @ 0.5%
TBF=14.0 CY
- (117) STA. 46+05, 19 FT LT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=734.26
INV.=731.36
- (118) STORM SEWER, RG, CLASS A, TYPE 1
22'-12" @ 0.5%
TBF=6.0 CY
- (119) STA. 46+05, 19 FT RT. CATCH BASIN, T-A, 4' DIA., T-4 F&G
T/F=734.26
INV.=731.36
- (120) STORM SEWER, RG, CLASS A, TYPE 1
187'-18" @ 0.3%
TBF=71.5 CY
- △ STA 41+98, 10 FT RT. SANITARY MANHOLE, TYPE A, 4'-DIAMETER, T-1F CL
T/F=735.96
INV.=719.79(N)
INV.=719.89(E)
- △ SANITARY SEWER, PVC SDR 26
225'-8" @ 0.4%
TBF=399.3 CY
- △ STA 44+22, 10 FT RT. SANITARY MANHOLE, TYPE A, 4'-DIAMETER, T-1F CL
T/F=735.37
INV.=720.78
- △ SANITARY SEWER, PVC SDR 26
225'-8" @ 0.4%
TBF=499.8 CY
- △ STA 46+47, 10 FT RT. SANITARY MANHOLE, TYPE A, 5'-DIAMETER, T-1F CL W/INTERIOR DROP
T/F=732.26
INV.=721.69 (W)
INV.=726.89 (S) (6" SERVICE)
DROP INV.=721.99 (S)
- △ SANITARY SEWER SERVICE 6" 33' @ 1.0%, TBF=31.15 CY
- △ SANITARY SEWER SERVICE 6" 31' @ 1.0%, TBF=28.95 CY
- △ SANITARY SEWER SERVICE 6" 31' @ 1.0%, TBF=29.56 CY
- △ SANITARY SEWER SERVICE 6" 31' @ 1.0%, TBF=25.30 CY

- * 01-00029-00-FP
- A SANITARY MANHOLES TO BE ADJUSTED
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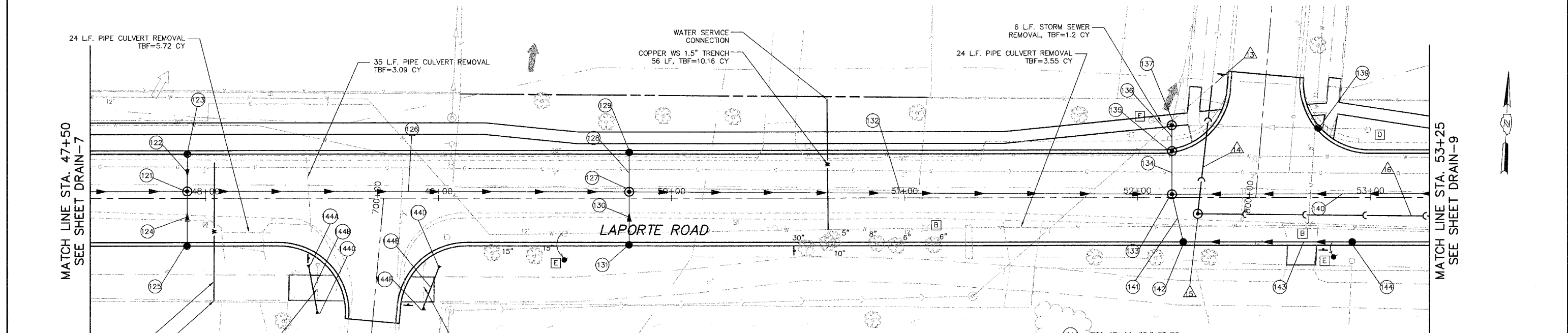
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
**PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 41+75 TO 47+25**

DESIGN: DMM
DRAWN: DMM
CHECKED: SNS

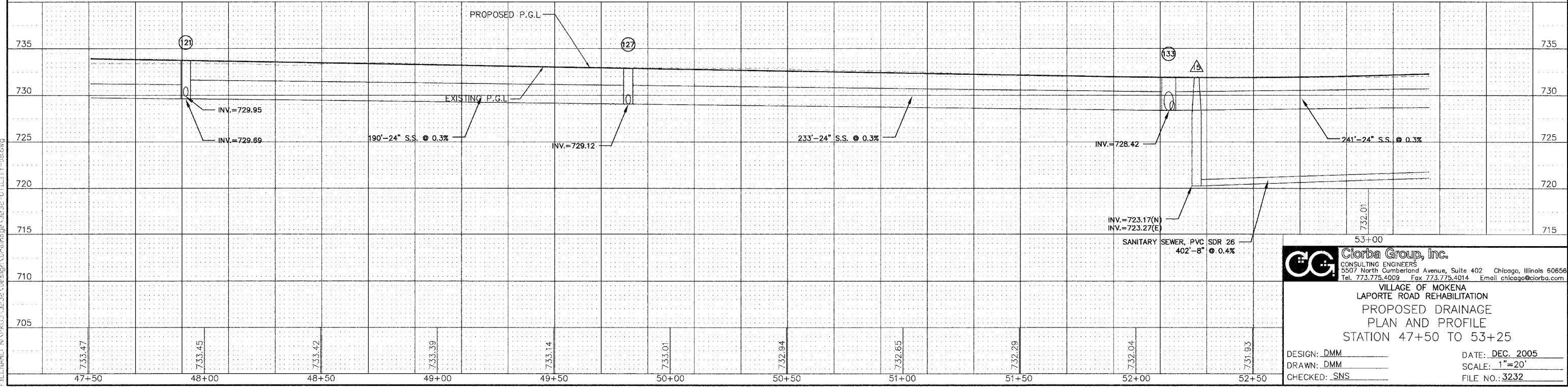
DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

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GREEN MEADOWS PARKWAY * 01-00029-00-FP



- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|--|---|---|---|---|---|---|---|---|--|---|---|----------------|---|--|---|---|--|---|---|--|---|---|---|---|--------------------------------------|---------------------------------|---------------------------|---------------------------------|-----------------------------------|---------------------------|--------------------------------|-----------------------|
| (121) STA 47+92, 3 FT LT. MANHOLE, T-A, 5'DIA, T-1F CL
T/F=733.75
INV.=729.69(E)(W)
INV.=729.95(N)(S) | (122) STORM SEWER, RG, CLASS A TYPE 1
16'-12" @ 0.5%
TBF=4.8 CY | (123) STA 47+92, 19 FT LT. CATCH BASIN, T-A, T-4 F&G
T/F=733.43
INV.=730.03 | (124) STORM SEWER, RG, CLASS A TYPE 1
22'-12" @ 0.5%
TBF=6.6 CY | (125) STA 47+92, 19 FT RT. CATCH BASIN, T-A, T-4 F&G
T/F=733.43
INV.=730.06 | (126) STORM SEWER, RG, CLASS A TYPE 1
19'-12" @ 0.3%
TBF=65.2 CY | (127) STA 49+82, 3 FT LT. MANHOLE, T-A, 5'DIA, T-1F CL
T/F=732.92
INV.=729.12 (N)(E)
INV.=729.89 (S) | (128) STORM SEWER, RG, CLASS A TYPE 1
16'-12" @ 0.5%
TBF=4.8 CY | (129) STA 49+82, 19 FT RT. CATCH BASIN, T-A, T-4 F&G
T/F=732.60
INV.=729.20 | (130) STORM SEWER, RG, CLASS A TYPE 1
22'-12" @ 0.5%
TBF=6.6 CY | (131) STA 49+82, 19 FT RT. CATCH BASIN, T-C, T-4 F&G
T/F=732.60
INV.=730.00 | (132) STORM SEWER, RG, CLASS A TYPE 1
233'-24" @ 0.3%
TBF=71.0 CY | (133) STA 52+14, 1.5 FT LT. MANHOLE, T-A, 6'DIA, T-1F CL
T/F=731.96
INV.=728.42 (N)(E)
INV.=728.73 (S) | (134) STORM SEWER, RG, CLASS A TYPE 1
19'-24" @ 0.5%
TBF=5.0 CY | (135) STA 52+14, 19 FT LT. MANHOLE, T-A, 5'DIA, T-1F CL
T/F=731.60
INV.=728.36 | (136) STORM SEWER, RG, CLASS A TYPE 1
11'-12" @ 1.0%
TBF=2.3 CY | (137) STA 52+14, 31 FT LT. MANHOLE, T-A, 5'DIA, T-1F CL
T/F=732.45
INV.=725.15(N)(EXISTING)
INV.=725.25(E)(EXISTING)
INV.=728.65(S) | (138) NOT USED | (139) STA 52+78, 28 FT LT. CATCH BASIN, T-A, T-4 F&G
T/F=731.15
INV.=726.14 | (140) STORM SEWER, RG, CLASS A TYPE 1
241'-24" @ 0.3%
TBF=263.5 CY | (141) STORM SEWER, RG, CLASS A TYPE 1
21'-12" @ 0.5%
TBF=6.6 CY | (142) STA 52+26, 19 FT RT. CATCH BASIN, T-C, T-4 F&G
T/F=731.60
INV.=728.83 | (143) STORM SEWER, RG, CLASS A TYPE 1
72'-12" @ 0.5%
TBF=17.9 CY | (144) STA 52+93, 19 FT RT. CATCH BASIN, T-C, T-4 F&G
T/F=731.79
INV.=729.19 | (44A) STA 48+44, 30.2 FT RT. PRECAST REINFORCED CONCRETE FLARED END SECTION W/GRATE -12"
INV.=731.46 | (44B) PIPE CULVERT, RG, CLASS A TYPE 1
18'-12" @ 0.17%
TBF=3.52 CY | (44C) STA 48+48, 47.9 FT RT. PRECAST REINFORCED CONCRETE FLARED END SECTION W/GRATE -12"
INV.=731.49 | (44D) STA 48+99, 30.5 FT RT. PRECAST REINFORCED CONCRETE FLARED END SECTION W/GRATE -12"
INV.=731.38 | (44E) PIPE CULVERT, RG, CLASS A TYPE 1
17'-12" @ 1.0%
TBF=3.18 CY | (44F) STA 48+93, 46.3 FT RT. PRECAST REINFORCED CONCRETE FLARED END SECTION W/GRATE -12"
INV.=731.55 | (A) SANITARY MANHOLES TO BE ADJUSTED | (B) VALVE VAULTS TO BE ADJUSTED | (C) INLETS TO BE ADJUSTED | (D) CATCH BASINS TO BE ADJUSTED | (E) FIRE HYDRANTS TO BE RELOCATED | (F) REMOVING CATCH BASINS | (G) VALVE BOXES TO BE ADJUSTED | (H) REMOVING MANHOLES |
|--|---|---|---|---|--|---|---|---|---|---|---|---|---|--|---|---|----------------|---|--|---|---|--|---|---|--|---|---|---|---|--------------------------------------|---------------------------------|---------------------------|---------------------------------|-----------------------------------|---------------------------|--------------------------------|-----------------------|



CG **Corba Group, Inc.**
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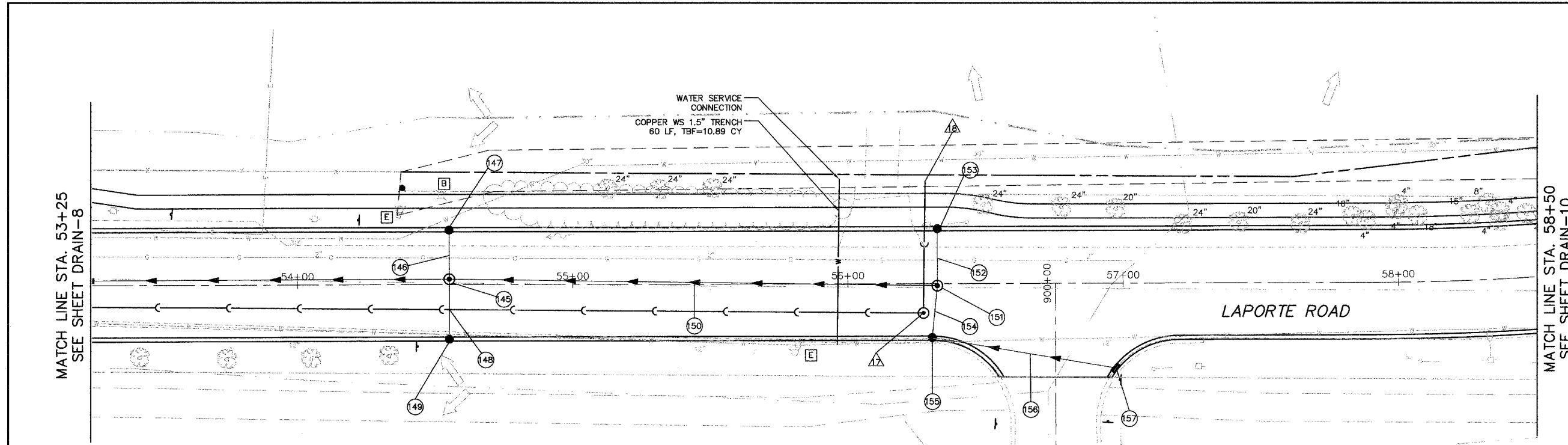
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 47+50 TO 53+25

DESIGN: DMM
DRAWN: DMM
CHECKED: SNS

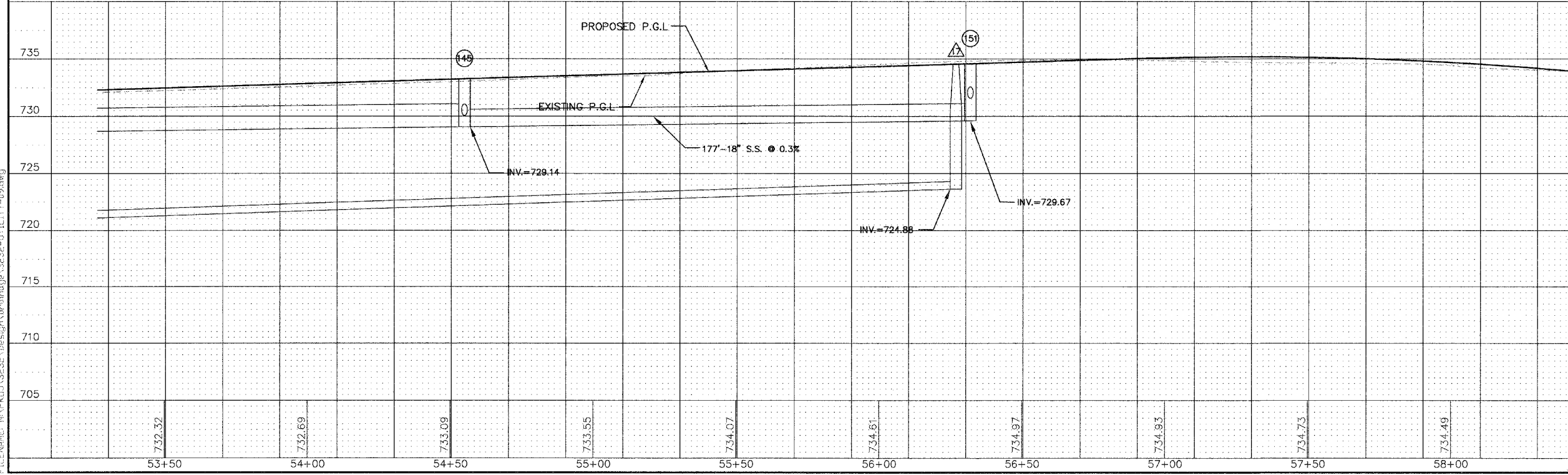
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- A SANITARY MANHOLES TO BE ADJUSTED
- B VALVE VAULTS TO BE ADJUSTED
- C INLETS TO BE ADJUSTED
- D CATCH BASINS TO BE ADJUSTED
- E FIRE HYDRANTS TO BE RELOCATED
- F REMOVING CATCH BASINS
- G VALVE BOXES TO BE ADJUSTED
- H REMOVING MANHOLES



- 145 STA 54+55, 2 FT LT. MANHOLE, T-A, 4'DIA, T-1F CL T/F=733.30 INV.=729.14(E)(W) INV.=730.26(S)
- 146 STORM SEWER, RG, CLASS A TYPE 1 17'-12" @ 0.53% TBF=5.9 CY
- 147 STA 54+55, 19 FT LT. CATCH BASIN, T-A, T-4 F&G T/F=732.96 INV.=729.59
- 148 STORM SEWER, RG, CLASS A TYPE 1 21'-12" @ 0.43% TBF=7.1 CY
- 149 STA 54+55, 19 FT RT. CATCH BASIN, T-C, T-4 F&G T/F=732.96 INV.=730.36
- 150 STORM SEWER, RG, CLASS A TYPE 2 17'-18" @ 0.3% TBF=114.0 CY
- 151 STA 56+32, 0 FT LT. MANHOLE, T-A, 4'DIA, T-1F CL T/F=734.67 INV.=729.67(E)(W) INV.=730.87(N) INV.=731.60(S)
- 152 STORM SEWER, RG, CLASS A TYPE 1 19'-12" @ 0.53% TBF=5.6 CY
- 153 STA 56+32, 19 FT LT. CATCH BASIN, T-A, T-4 F&G T/F=734.29 INV.=731.69
- 154 STORM SEWER, RG, CLASS A TYPE 1 19'-12" @ 0.53% TBF=5.6 CY
- 155 STA 56+32, 19 FT RT. CATCH BASIN, T-C, T-4 F&G T/F=734.29 INV.=731.69
- 156 STORM SEWER, RG, CLASS A TYPE 1 70'-12" @ 0.5% TBF=16.9 CY
- 157 STA 56+96, 32 FT RT. INLET, T-A, T-4 F&G T/F=734.10 INV.=731.32
- 158 STA 56+29, 10.5 FT RT. SANITARY MANHOLE, TYPE A, 5' DIAMETER, T-1F CL W/INTERIOR DROP T/F=734.51 INV.=724.88 DROP INV.=725.18 (S)
- 159 SANITARY SEWER SERVICE 6" 46' @ 1.0%, TBF=42.11 CY



DRAIN-9

733.86

58+50

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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 53+25 TO 58+50

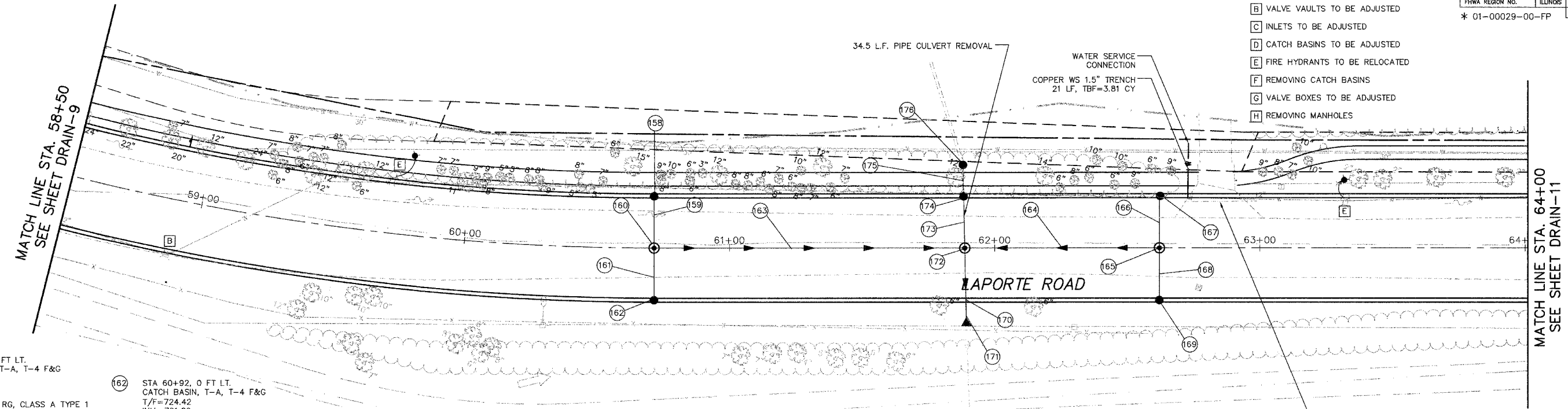
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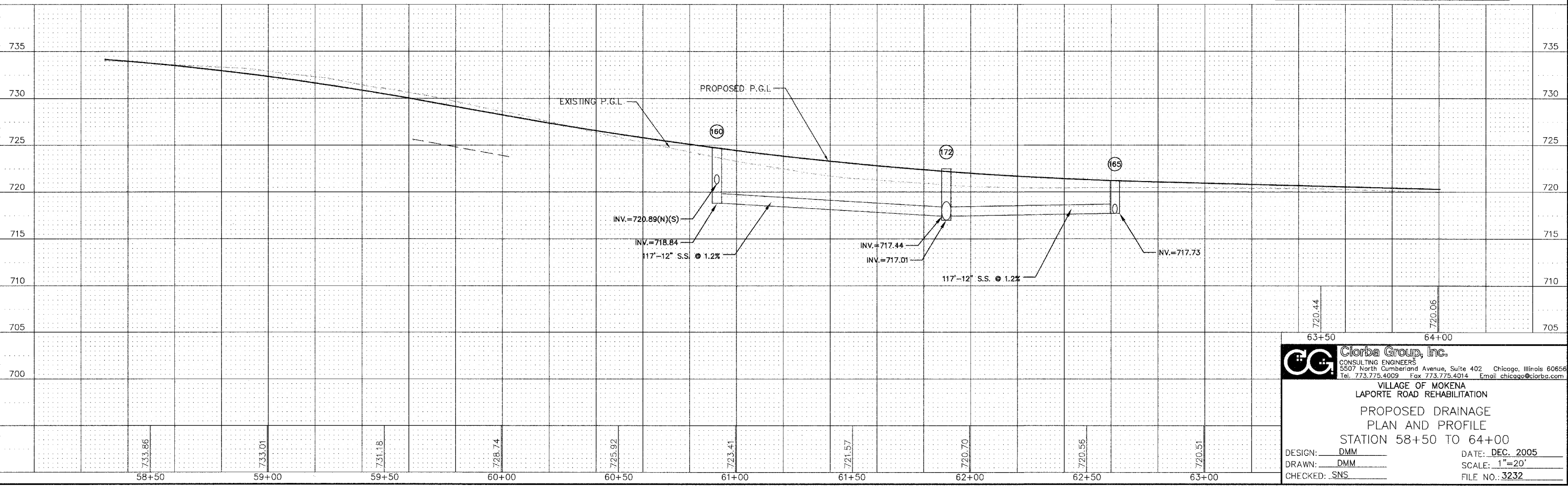
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PLAN ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	57
FHWA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	

- A SANITARY MANHOLES TO BE ADJUSTED
- B VALVE VAULTS TO BE ADJUSTED
- C INLETS TO BE ADJUSTED
- D CATCH BASINS TO BE ADJUSTED
- E FIRE HYDRANTS TO BE RELOCATED
- F REMOVING CATCH BASINS
- G VALVE BOXES TO BE ADJUSTED
- H REMOVING MANHOLES



- 158 STA 60+92, 0 FT LT. CATCH BASIN, T-A, T-4 F&G T/F=724.42 INV.=721.09
- 159 STORM SEWER, RG, CLASS A TYPE 1 20'-12" @ 1.0% TBF=6.0 CY
- 160 STA 60+92, 0 FT LT. MANHOLE, T-A, 4' DIA, T-1F CL T/F=724.80 INV.=718.79(E) INV.=720.89(N)(S)
- 161 STORM SEWER, RG, CLASS A TYPE 1 20'-12" @ 1.0% TBF=6.0 CY
- 162 STA 60+92, 0 FT LT. CATCH BASIN, T-A, T-4 F&G T/F=724.42 INV.=721.09
- 163 STORM SEWER, RG, CLASS A TYPE 2 117'-12" @ 1.2% TBF=75.2 CY
- 164 STORM SEWER, RG, CLASS A TYPE 1 73'-12" @ 0.5% TBF=20.8 CY
- 165 STA 62+62, 0 FT LT. MANHOLE, T-A, 4' DIA, T-1F CL T/F=721.32 INV.=717.73
- 166 STORM SEWER, RG, CLASS A TYPE 1 20'-12" @ 0.5% TBF=6.0 CY
- 167 STA 62+62, 19 FT LT. CATCH BASIN, T-A, T-4 F&G T/F=720.94 INV.=717.83
- 168 STORM SEWER, RG, CLASS A TYPE 1 20'-12" @ 0.5% TBF=6.0 CY
- 169 STA 62+62, 19 FT RT. CATCH BASIN, T-A, T-4 F&G T/F=720.94 INV.=717.83
- 170 PIPE CULVERT, RG, CLASS A TYPE 1 27.5'-24" @ 1.6% TBF=8.15 CY
- 171 STA 61+90, 26.0 FT RT. PRECAST REINFORCED CONCRETE FLARED END SECTION W/GRATE -24" INV.=716.57
- 172 STA 61+89, 0 FT LT. MANHOLE, T-A, 5' DIA, T-1F CL T/F=722.24 INV.=717.01
- 173 STORM SEWER, RG, CLASS A TYPE 1 19.5'-24" @ 1.6% TBF=13.7 CY
- 174 STA 61+89, 19 FT LT. CATCH BASIN, T-A, T-4 F&G T/F=721.86 INV.=717.32
- 175 STORM SEWER, RG, CLASS A TYPE 2 12'-24" @ 1.6% TBF=9.29 CY
- 176 STA 61+89, 31.5 FT LT. CATCH BASIN, T-A, T-4 F&G T/F=722.66 INV.=717.51



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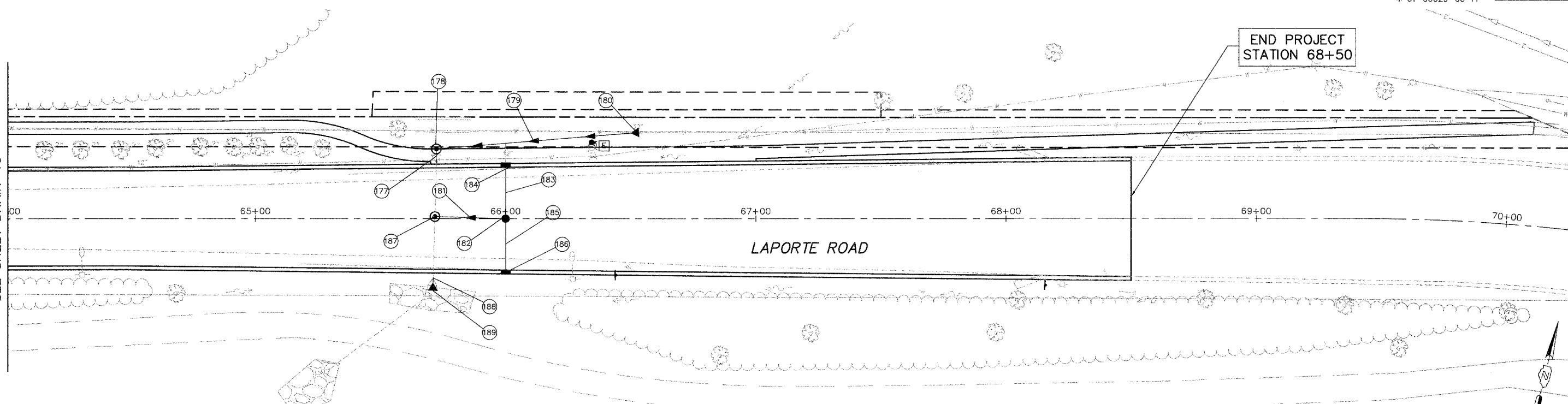
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 PROPOSED DRAINAGE
 PLAN AND PROFILE
 STATION 58+50 TO 64+00

DESIGN: DMM DATE: DEC. 2005
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MATCH LINE STA. 64+00
SEE SHEET DRAIN-10

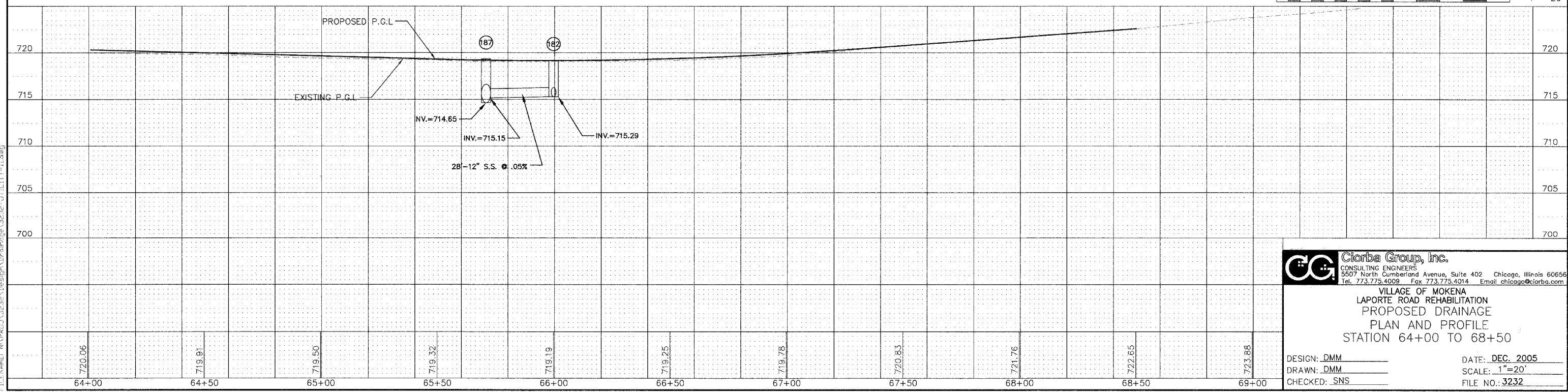
END PROJECT
STATION 68+50



- (177) STORM SEWER, RG, CLASS A TYPE 1
6'-24" @ 0.5%
TBF=2.3 CY
- (178) STA 65+72, 28 FT LT.
MANHOLE, T-A, 4' DIA, T-1F CL
T/F=719.40
INV.=715.18
- (179) PIPE CULVERT, RG, CLASS A TYPE 1
79'-12" @ 2.3%
TBF=21.3 CY
- (180) STA 66+50, 34 FT LT.
PRECAST REINFORCED CONCRETE
FLARED END SECTION W/GRATE -12"
INV.=717.00
- (181) STORM SEWER, RG, CLASS A TYPE 2
28'-12" @ 0.5%
TBF=9.5 CY
- (182) STA 66+00, 0 FT LT.
CATCH BASIN, T-A, T-1F CL
T/F=719.25
INV.=715.29
- (183) STORM SEWER, RG, CLASS A TYPE 1
20'-12" @ 0.5%
TBF=6.2 CY
- (184) STA 66+00, 20.5 FT LT.
INLET, T-A, T-4 F&G
T/F=718.84
INV.=715.39
- (185) STORM SEWER, RG, CLASS A TYPE 1
20'-12" @ 0.5%
TBF=6.2 CY
- (186) STA 66+00, 20.5 FT RT.
INLET, T-A, T-4 F&G
T/F=718.84
INV.=715.39
- (187) STA 65+71, 0 FT RT.
MANHOLE, T-A, 4' DIA, T-1F CL
T/F=719.34
INV.=714.65 (NW)(SE)
INV.=715.15 (NE)
- (188) PIPE CULVERT, CLASS A TYPE 1
5'-24" @ 2.0%
TBF=0.3 CY
- (189) STA 65+71, 25.5 FT RT.
PRECAST REINFORCED CONCRETE
FLARED END SECTION W/GRATE -24"
INV.=714.09

- [A] SANITARY MANHOLES TO BE ADJUSTED
- [B] VALVE VAULTS TO BE ADJUSTED
- [C] INLETS TO BE ADJUSTED
- [D] CATCH BASINS TO BE ADJUSTED
- [E] FIRE HYDRANTS TO BE RELOCATED
- [F] REMOVING CATCH BASINS
- [G] VALVE BOXES TO BE ADJUSTED
- [H] REMOVING MANHOLES

DRAIN-11



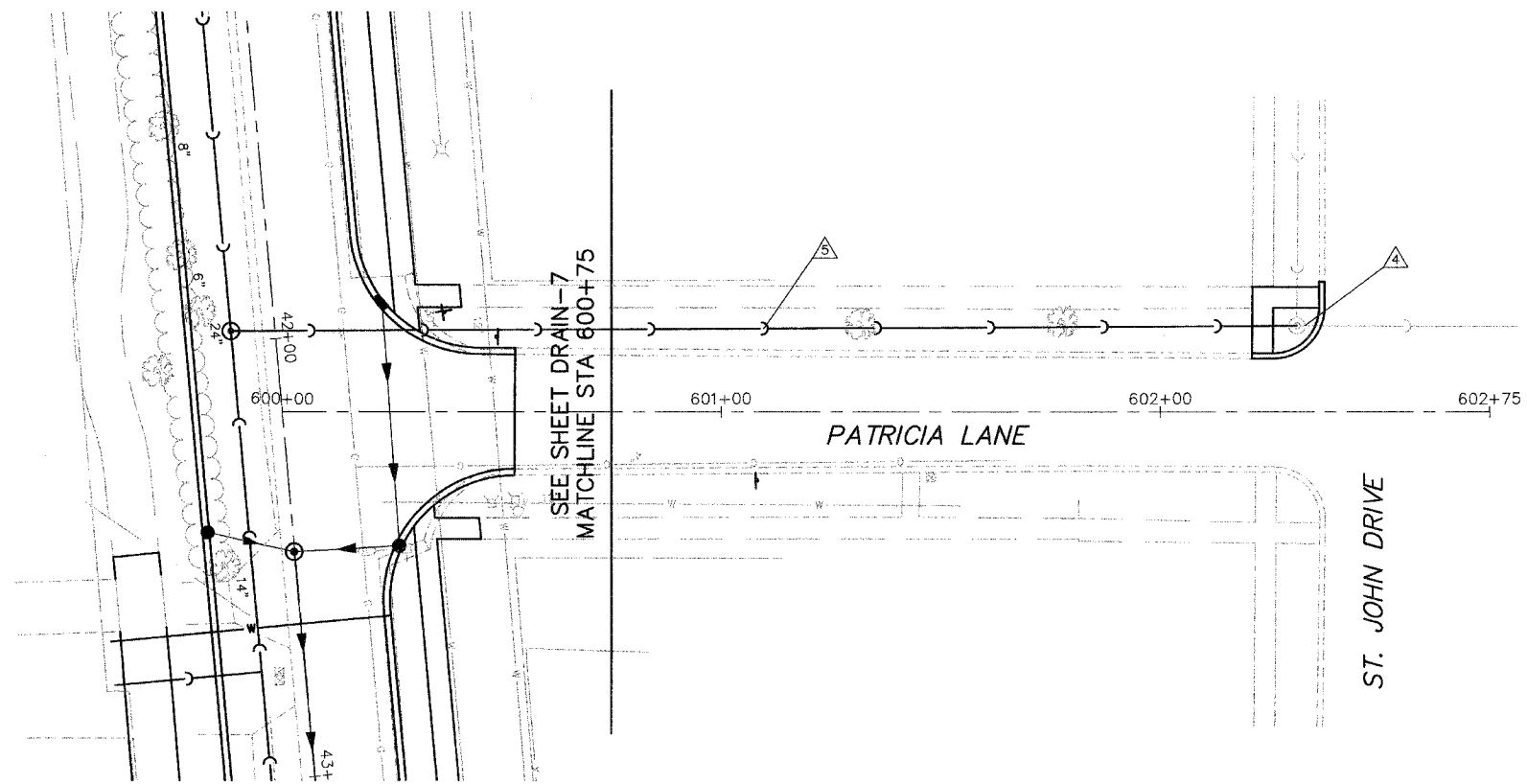
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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 64+00 TO 68+50

DESIGN: DMM
DRAWN: DMM
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DATE: DEC. 2005
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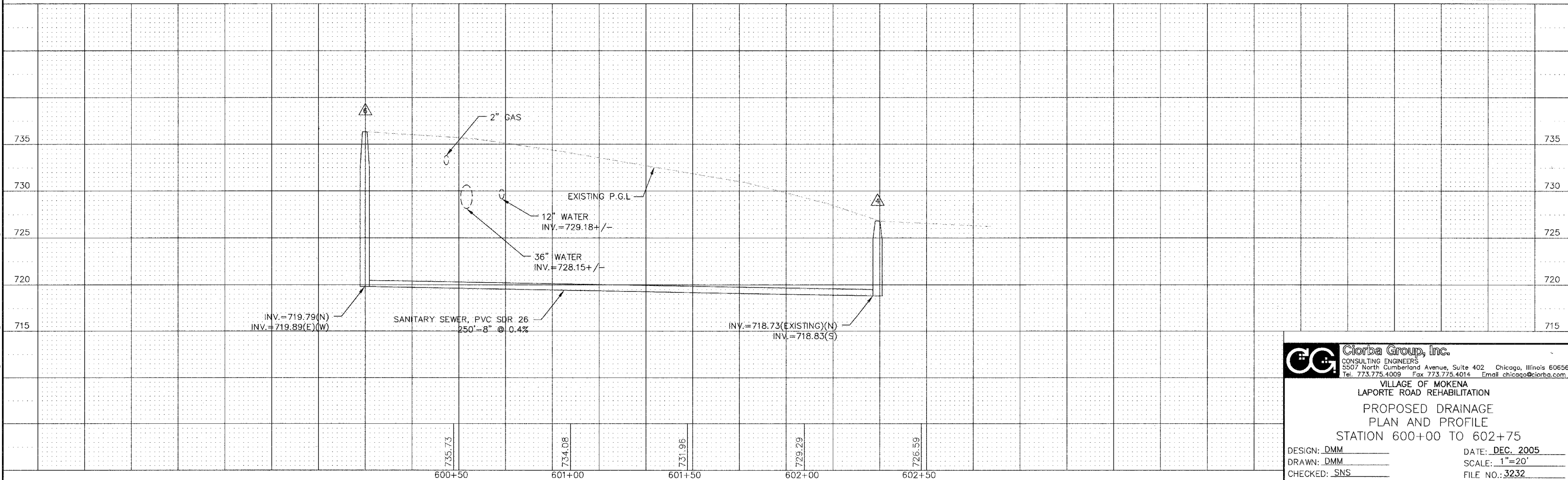
FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	58A
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)	CONTRACT NO. 83825	
* 01-00029-00-FP				



- △ STA 42+18, 232 FT. LT.
CONNECT TO EXISTING SANITARY MANHOLE
T/F=726.81
INV.=718.73(EXISTING)(N)
INV.=718.83(S)
- △ SANITARY SEWER, PVC SDR 26
240'-8" @ 0.4%
TBF=408.6 CY



DRAIN-11A



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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
PROPOSED DRAINAGE
PLAN AND PROFILE
STATION 600+00 TO 602+75
DESIGN: DMM
DRAWN: DMM
CHECKED: SNS
DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

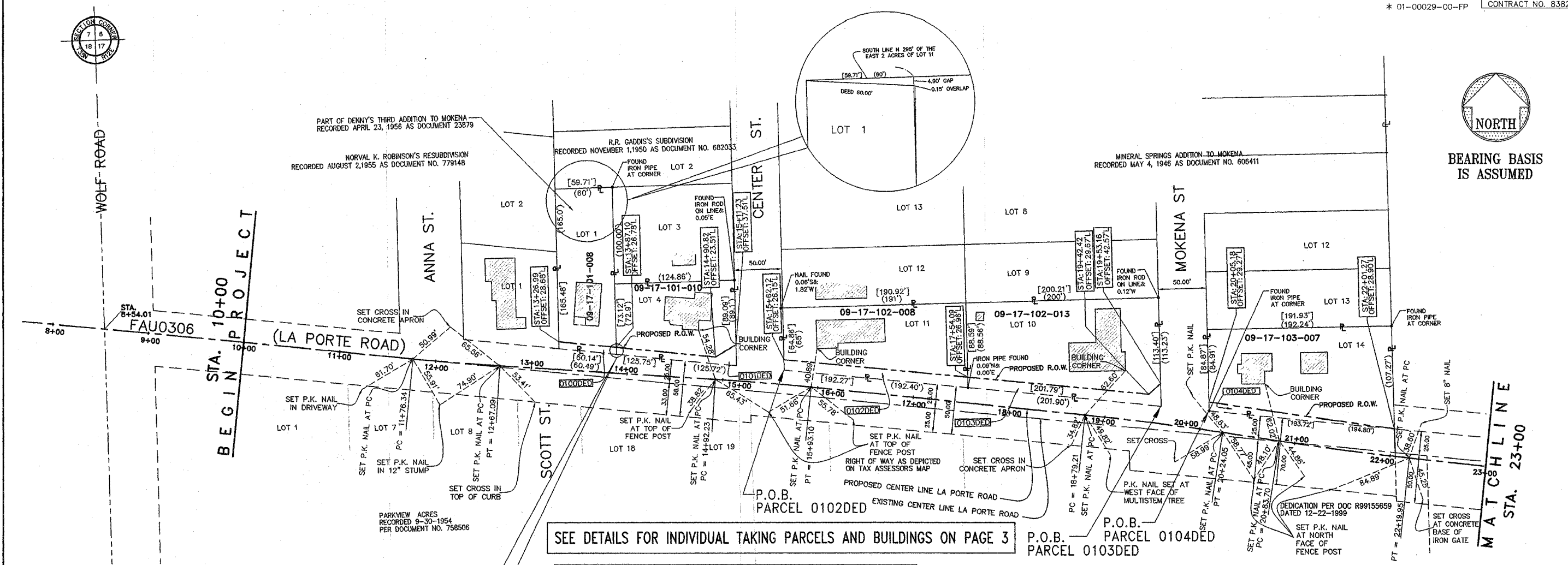
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PART OF THE NORTHWEST QUARTER OF SECTION 17, T35N, R12E, OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	59
FHWA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	



BEARING BASIS IS ASSUMED

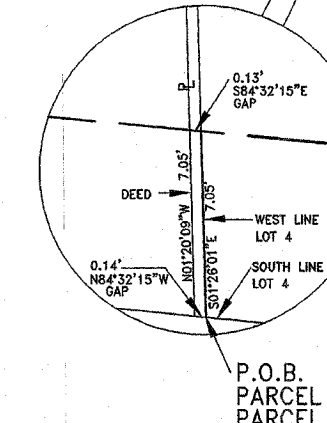


SEE DETAILS FOR INDIVIDUAL TAKING PARCELS AND BUILDINGS ON PAGE 3

NOTE: PARCEL 0100ED HAS BEEN ELIMINATED

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING RIGHT OF WAY LINE
- CENTERLINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURE DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- CUT CROSS FOUND OR SET
- MONUMENT FOUND AS NOTED
- IRON PIPE SET
- EXISTING BUILDING



NOTE:
STATE PLANE COORDINATES ARE BASED ON THE NGS ONLINE POSITIONING USER SERVICE (OPUS) RESULTS USING MINIMUM OF 2 HOUR OCCUPATIONS.
RESULTS WERE CHECKED USING RTK METHODS TO WILL COUNTY MONUMENT 824 (PID AE2575) AND WILL COUNTY MONUMENT 821 (PID AE2580).
GROUND COORDINATES WERE ESTABLISHED HOLDING OPUS 1 AT ITS GRID VALUE ON THE GROUND AND HOLDING THE GRID BEARING BETWEEN OPUS 1 AND OPUS 2. SEE DETAIL ON PAGE ____
FOR ALL PRACTICAL PURPOSES WITHIN THE SCOPE OF THIS PROJECT GRID AND GROUND COORDINATES WILL BE THE SAME.

POINT DESCRIPTION	NORTHING	EASTING
CENTERLINE/ SECTION INTERSECTION	N 1770398.5749	E 1105849.9353
PROJECT BEGINNING CENTERLINE	N 1770384.4625	E 1105995.2448
PC STA.11+76.34	N 1770367.4164	E 1106170.7819
PT STA.12+67.09	N 1770360.1361	E 1106261.2132
PC STA.14+92.23	N 1770345.7783	E 1106485.8932
PT STA.15+90.10	N 1770337.5008	E 1106586.4193
PC STA.18+79.21	N 1770308.7963	E 1106871.0821
PT STA.20+24.05	N 1770290.4773	E 1107014.7420
PC STA.20+83.70	N 1770281.3756	E 1107073.7003
PT STA.22+19.95	N 1770263.9324	E 1107208.8094
STA.13+26.99 28.68'L	N 1770384.9430	E 1106322.8197
STA.13+87.10 26.78'L	N 1770379.2178	E 1106382.6880
STA.14+90.82 23.51'L	N 1770369.3394	E 1106485.9868
STA.15+11.23 37.51'L	N 1770381.9145	E 1106507.5063
STA.15+62.12 26.15'L	N 1770366.4800	E 1106557.9068
STA.17+54.09 26.96'L	N 1770348.1767	E 1106749.3051
STA.19+42.42 29.67'L	N 1770330.1866	E 1106937.4284
STA.19+53.16 42.57'L	N 1770341.6199	E 1106949.8387
STA.20+05.18 29.27'L	N 1770322.2544	E 1107000.3516
STA.22+01.27 28.90'L	N 1770284.6556	E 1107193.4266

STATE OF ILLINOIS
COUNTY OF COOK SS
I, G. Thomas Green, HEREBY CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN PART OF SECTION 16 AND PART OF SECTION 17, IN TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF THE CHARACTER NOTED HEREON, OCCUPY THE POSITIONS SHOWN HEREON AND ARE SUFFICIENT TO ENABLE THIS SURVEY TO BE RETRACED. THIS SURVEY WAS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD MEASUREMENTS COMPLETED ON JUNE 6, 2005.
SIGNED ON 8-30-2005
BY: G. Thomas Green
PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 24771
MY LICENSE EXPIRES NOVEMBER 30, 2006

GREMLY & BIEDERMANN
LAWRENCE H. GREMLY
PROFESSIONAL LAND SURVEYOR
4659 NORTH ELSTON AVENUE, CHICAGO, IL 60659
TELEPHONE: (773) 585-3082 FAX: (773) 286-4884 EMAIL: INFO@MFLCS-SURVEY.COM

PARCEL NO.	OWNER	TOTAL HOLDING (ACRES)	PART TAKEN (ACRES)	REMAINDER (ACRES)	PREVIOUSLY DED. (ACRES)	EASEMENT (ACRES)	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
0100ED	RONALD/JACKIE THOMAS	0.232	0.040	0.222				09-17-101-008	
0101ED	SHERI MATULA	0.233	0.024	0.209				09-17-101-010	
0102ED	MARTIN/KAROLYN GRAMONT	0.356	0.049	0.288				09-17-102-008	
0103ED	MARQUETTE BANK-TRUSTEE TRUSTEE NO. 16768	0.464	0.053	0.412				09-17-102-013	
0104ED	REBECCA/RICHARD STROH	0.424	0.020	0.403				09-17-103-007	

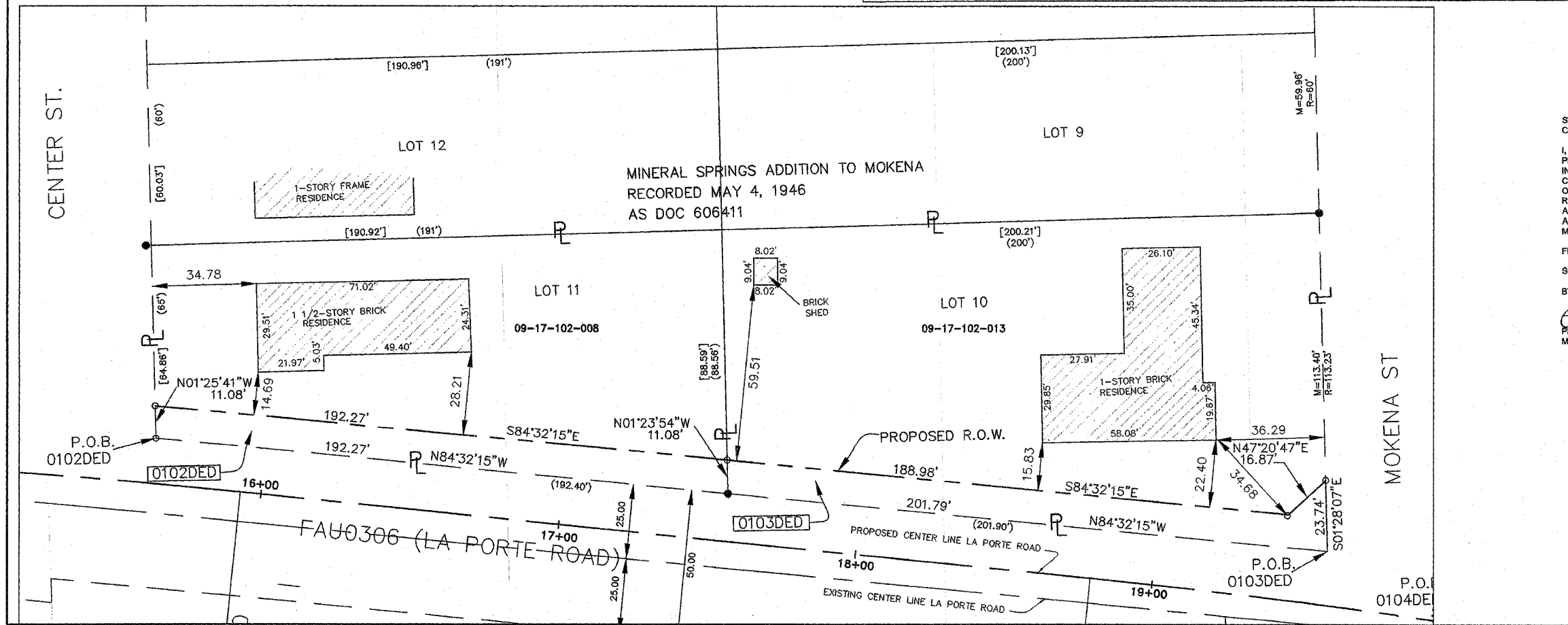
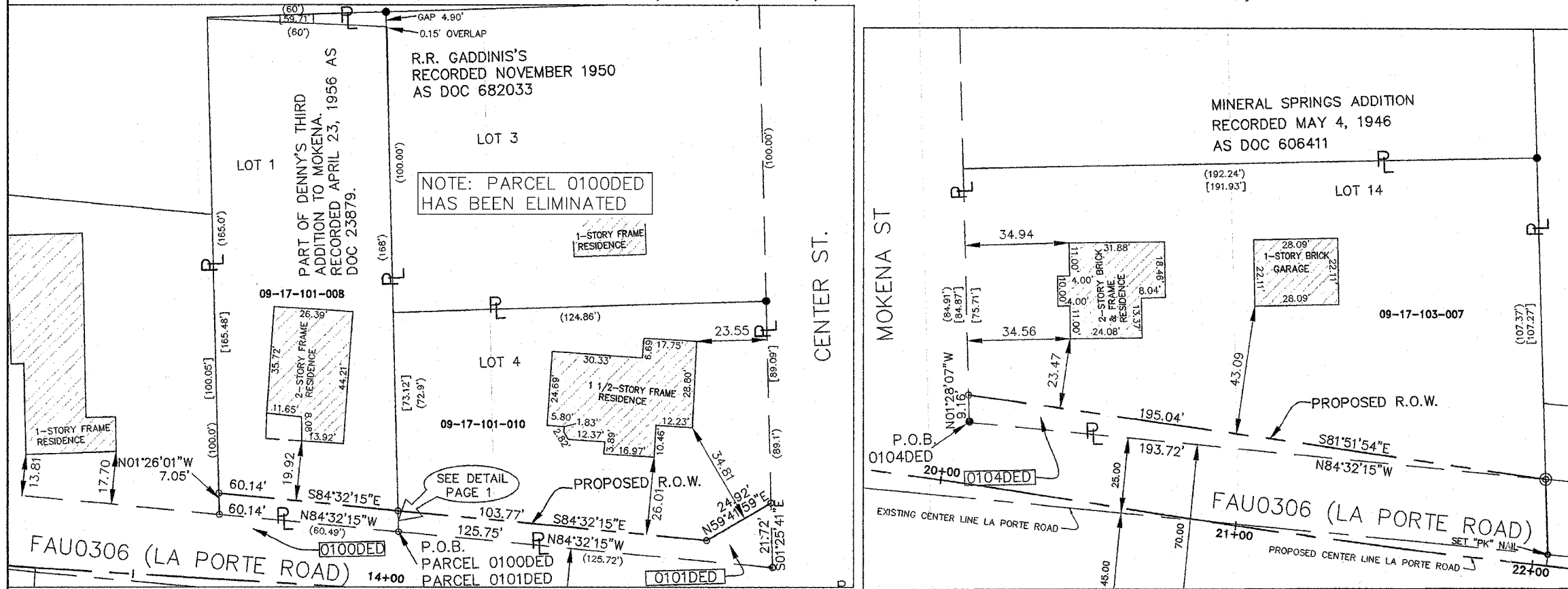
REVISION	
DATE	DESCRIPTION

**ILLINOIS DEPT. OF TRANSPORTATION
PLAT OF HIGHWAYS**
ROUTE: FAU0306 (LA PORTE ROAD)
SECTION: 01-00029-00-FP
COUNTY: WILL
JOB #: R-55-001-97
SEC 16-17 T35N R12E OF 3RD P.M.
STA. 10+00 TO STA. 23+00
DRAWN: DC CHECKED: R
SCALE: 1"=50' SHEET 2 OF

PLAT DATE: Mar 15, 2006 - 3:43pm
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PART OF THE NORTHWEST QUARTER OF SECTION 17, T35N, R12E, OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
0306	*	WILL	118	60
PIWA REGION NO.	ILLINOIS PROJECT M-8003(200)		CONTRACT NO. 83825	
* 01-00029-00-FP				



LEGEND

SECTION CORNER (Symbol: Circle with 'S' and 'C' and '17')

QUARTER SECTION CORNER (Symbol: Circle with 'Q' and '17')

BEARING BASIS IS ASSUMED

NORTH (Symbol: Circle with 'N' and '17')

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING EASEMENT
- EXISTING RIGHT OF WAY LINE
- CENTERLINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL
- APPEARANT PROPERTY LINE
- MEASURE DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- CUT CROSS FOUND OR SET

EXISTING BUILDING (Symbol: Hatched rectangle)

MONUMENT FOUND AS NOTED (Symbol: Solid circle)

IRON PIPE SET - UNLESS NOTED OTHERWISE (Symbol: Circle with crosshair)

NOTE:

STATE PLANE COORDINATES ARE BASED ON THE NGS ONLINE POSITIONING USER SERVICE (OPUS) RESULTS USING MINIMUM OF 2 HOUR OCCUPATIONS.

RESULTS WERE CHECKED USING RTK METHODS TO WILL COUNTY MONUMENT 824 (PID AE2575) AND WILL COUNTY MONUMENT 921 (PID AE2680).

GROUND COORDINATES WERE ESTABLISHED HOLDING OPUS 1 AT ITS GRID VALUE ON THE GROUND AND HOLDING THE GRID BEARING BETWEEN OPUS 1 AND OPUS 2. SEE DETAIL ON PAGE 1.

FOR ALL PRACTICAL PURPOSES WITHIN THE SCOPE OF THIS PROJECT GRID AND GROUND COORDINATES WILL BE THE SAME.

STATE OF ILLINOIS
COUNTY OF COOK SS

I, Thomas Green, HEREBY CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN PART OF SECTION 16 AND PART OF SECTION 17, IN TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF THE CHARACTER NOTED HEREON, OCCUPY THE POSITIONS SHOWN HEREON AND ARE SUFFICIENT TO ENABLE THIS SURVEY TO BE RETRACED. THIS SURVEY WAS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD MEASUREMENTS COMPLETED ON JUNE 6, 2005.

SIGNED ON 8-30-2005

BY: Thomas Green
PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 2471
MY LICENSE EXPIRES NOVEMBER 30, 2006



GREMLEY & BIEDERMANN

License No. 041-20274
PROFESSIONAL LAND SURVEYORS
4505 NORTH ELSTON AVENUE, CHICAGO, IL 60630
TELEPHONE: (773) 485-8802 FAX: (773) 286-4184 EMAIL: INFO@PLCS-SURVEY.COM

REVISION		ILLINOIS DEPT. OF TRANSPORTATION PLAT OF HIGHWAYS
DATE	DESCRIPTION	
		ROUTE: FAU0306 (LA PORTE ROAD)
		SECTION: 01-00029-00-FP
		COUNTY: WILL
		JOB #: R-55-001-97
		SEC 16-17 T35N R12E OF 3RD P.M.
		STA. 10+00 TO STA. 23+00
		DRAWN: DC CHECKED: 3
		SCALE: 1"=20' SHEET 3 OF

PLOT DATE: Nov 15, 2005 11:30:40am
 FILE NAME: N:\PROJ\0306\0306-01-00029-00-FP.dwg
 PLOTTER: HP DesignJet 5000PS

PART OF THE NORTHWEST QUARTER OF SECTION 17, T35N, R12E, OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

STATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	61
FHWA REGION NO.		ILLINOIS PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER QUARTER SECTION LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
EXISTING EASEMENT
EXISTING RIGHT OF WAY LINE
CENTERLINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
MEASURE DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
CUT CROSS FOUND OR SET

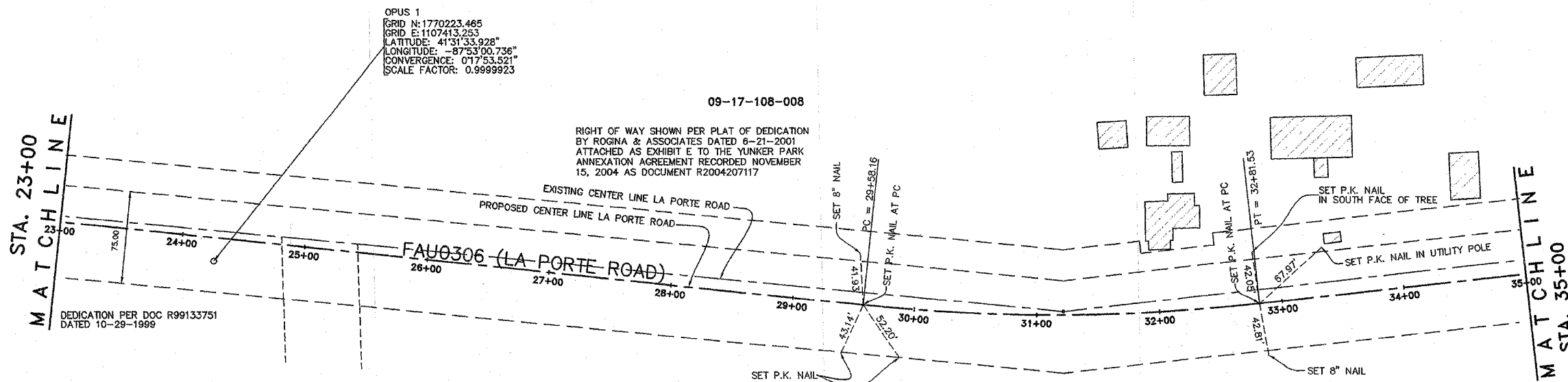
EXISTING BUILDING

MONUMENT FOUND AS NOTED

IRON PIPE SET - UNLESS NOTED OTHERWISE



BEARING BASIS IS ASSUMED



POINT DESCRIPTION	NORTHING	EASTING
PC STA. 29+58.16	N 1770187.5735	E 1107943.0656
PT STA. 32+81.53	N 1770188.9185	E 1108265.8068

NOTE:
STATE PLANE COORDINATES ARE BASED ON THE NGS ONLINE POSITIONING USER SERVICE (OPUS) RESULTS USING MINIMUM OF 2 HOUR OCCUPATIONS.

RESULTS WERE CHECKED USING RTK METHODS TO WILL COUNTY MONUMENT 824 (PID AE2575) AND WILL COUNTY MONUMENT 921 (PID AE2580).

GROUND COORDINATES WERE ESTABLISHED HOLDING OPUS 1 AT ITS GRID VALUE ON THE GROUND AND HOLDING THE GRID BEARING BETWEEN OPUS 1 AND OPUS 2. SEE DETAIL ON PAGE ____.

FOR ALL PRACTICAL PURPOSES WITHIN THE SCOPE OF THIS PROJECT GRID AND GROUND COORDINATES WILL BE THE SAME.

STATE OF ILLINOIS
COUNTY OF COOK) SS

I, G. Thomas Green, HEREBY CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN PART OF SECTION 16 AND PART OF SECTION 17, IN TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF THE CHARACTER NOTED HEREON, OCCUPY THE POSITIONS SHOWN HEREON AND ARE SUFFICIENT TO ENABLE THIS SURVEY TO BE RETRACED. THIS SURVEY WAS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD MEASUREMENTS COMPLETED ON JUNE 6, 2005.

SIGNED ON 8-30-2005

BY:

G. Thomas Green
PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 2477
MY LICENSE EXPIRES NOVEMBER 30, 2006



GREMLEY & BIEDERMANN

License No. 184-002761
PROFESSIONAL LAND SURVEYOR
4505 NORTH ELSTON AVENUE, CHICAGO, IL 60630
TELEPHONE: (773) 685-0182 FAX: (773) 246-4184 EMAIL: INFO@PLCS-SURVEY.COM

REVISION		ILLINOIS DEPT. OF TRANSPORTATION PLAT OF HIGHWAYS
DATE	DESCRIPTION	
		ROUTE: FAU0306 (LA PORTE ROAD)
		SECTION: 01-00029-00-FP
		COUNTY: WILL
		JOB #: R-55-001-97
		SEC 16-17 T35N R12E OF 3RD P.M.
		STA. 23+00 TO STA. 35+00
		DRAWN: DC CHECKED: _____
		SCALE: 1"=50' SHEET 4 OF _____

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© 2004 AutoCAD - 01/15/2004 09:04:01 01/15/2004

RECORDED //

DOCUMENT NO.

ROUTE: FAU0306 (LAPORTE ROAD)

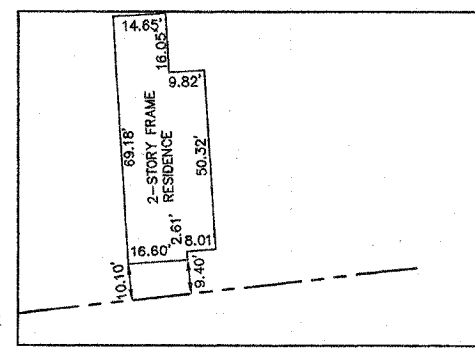
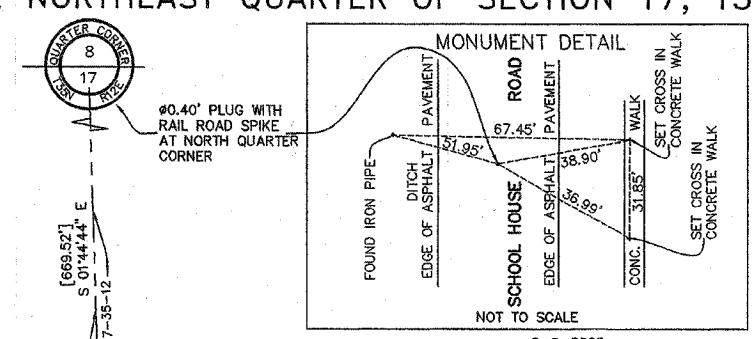
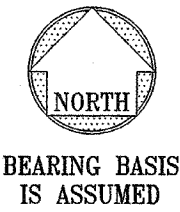
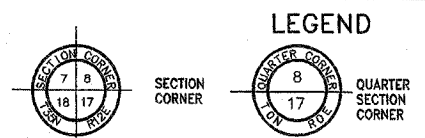
SEC. 01-00029-00-FP

COUNTY: WILL

JOB NO: R-55-001-97

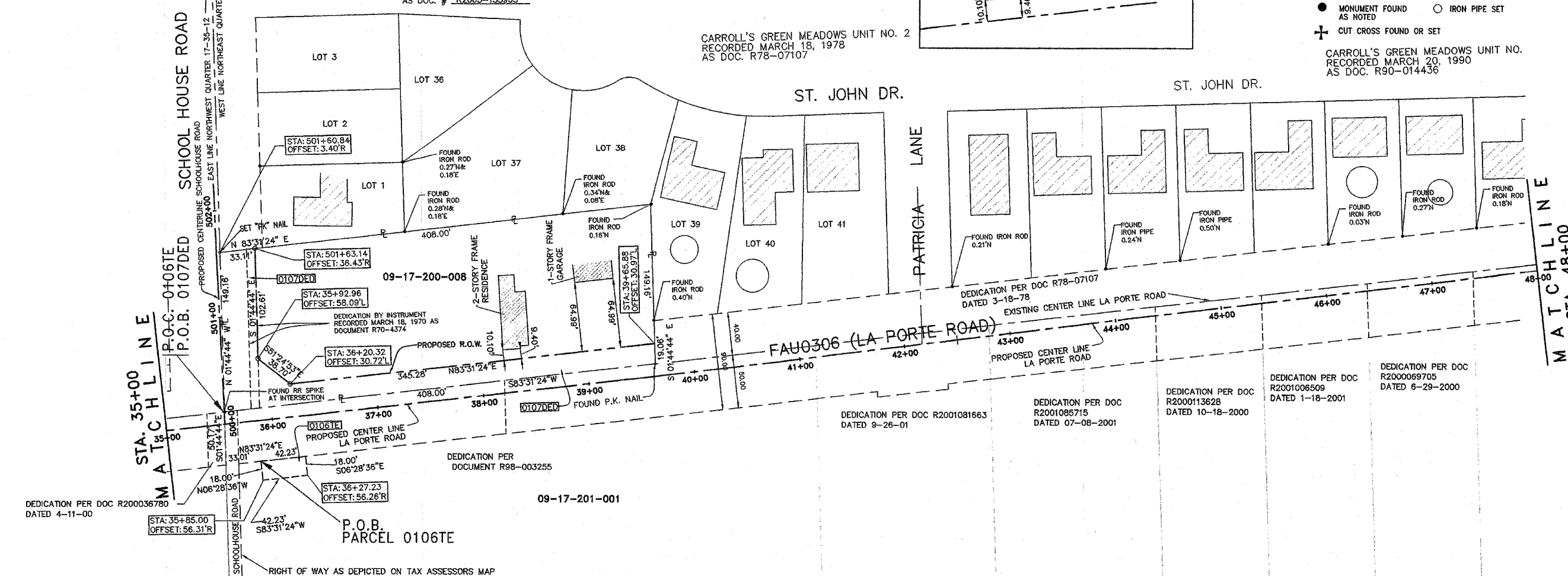
PART OF THE NORTHWEST QUARTER OF SECTION 17, T35N, R12E, OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS
 PART OF THE NORTHEAST QUARTER OF SECTION 17, T35N, R12E, OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	62
FHWA REGION NO.		ILLINOIS PROJECT M-	8003(200)	
* 01-00029-00-FP		CONTRACT NO. 83825		



CARROLL'S GREEN MEADOWS UNIT NO. 2
 RECORDED MARCH 18, 1978
 AS DOC. R78-07107

CARROLL'S GREEN MEADOWS UNIT NO.
 RECORDED MARCH 20, 1990
 AS DOC. R90-014436



POINT DESCRIPTION	NORTHING	EASTING
P.O.C. 0106TE & P.O.B. 0107DED	N 1770231.1752	E 1108537.3096
STA.501+60.84 3.40'R	N 1770380.2660	E 1108532.7683
STA.501+63.14 36.43'R	N 1770384.0011	E 1108565.6678
STA.35+92.96 58.09'L	N 1770281.4407	E 1108568.7932
STA.36+20.32 30.72'L	N 1770257.3054	E 1108599.0429
STA.39+65.88 30.97'L	N 1770296.2528	E 1108942.1234
QUARTER SECTION CORNER	N 1770900.4060	E 1108516.9160
STA.35+85 56.31'R	N 1770166.886	E 1108573.666
STA.36+27.23 56.26'R	N 1770171.629	E 1108615.826

NOTE:
 STATE PLANE COORDINATES ARE BASED ON THE NGS ONLINE POSITIONING USER SERVICE (OPUS) RESULTS USING MINIMUM OF 2 HOUR OCCUPATIONS.
 RESULTS WERE CHECKED USING RTK METHODS TO WILL COUNTY MONUMENT 624 (PID AE2675) AND WILL COUNTY MONUMENT 921 (PID AE2580).
 GROUND COORDINATES WERE ESTABLISHED HOLDING OPUS 1 AT ITS GRID VALUE ON THE GROUND AND HOLDING THE GRID BEARING BETWEEN OPUS 1 AND OPUS 2. SEE DETAIL ON PAGE ____.
 FOR ALL PRACTICAL PURPOSES WITHIN THE SCOPE OF THIS PROJECT GRID AND GROUND COORDINATES WILL BE THE SAME.

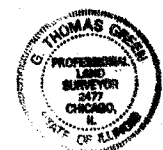
STATE OF ILLINOIS
 COUNTY OF COCK
 I, G. Thomas Green HEREBY CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN PART OF SECTION 16 AND PART OF SECTION 17, IN TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF THE CHARACTER NOTED HEREON, OCCUPY THE POSITIONS SHOWN HEREON AND ARE SUFFICIENT TO ENABLE THIS SURVEY TO BE RETRACED. THIS SURVEY WAS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

GREMLEY & BIEDERMANN
 LICENSE No. 001-001741
 PROFESSIONAL LAND SURVEYORS
 4505 NORTH ELSTON AVENUE, CHICAGO, IL 60630
 TELEPHONE: (773) 665-8022 FAX: (773) 266-4884 EMAIL: INFO@LCS-SURVEY.COM

PARCEL NO.	OWNER	TOTAL HOLDING (ACRES)	PART TAKEN (ACRES)	REMAINDER (ACRES)	PREVIOUSLY DED. (ACRES)	EASEMENT (ACRES)	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
0106TE	IMMANUEL LUTHERAN CHURCH	19.350*				0.017	FOR CONSTRUCTION	09-17-201-001	
0107DED	ELLA A. AYERS	1.393	0.286	1.107				09-17-200-008	

REVISION		ILLINOIS DEPT. OF TRANSPORTATION	
DATE	DESCRIPTION	PLAT OF HIGHWAYS	
		ROUTE:	FAU0306 (LA PORTE ROAD)
		SECTION:	01-00029-00-FP
		COUNTY:	WILL
		JOB #:	R-55-001-97
		SEC #:	16-17 T35N R12E OF 3RD P.M.
		STA.	35+00 TO STA. 48+00
		DRAWN:	DC
		CHECKED:	
		SCALE:	1"=50'
		SHEET	5 OF

FIELD MEASUREMENTS COMPLETED ON JUNE 6, 2005.
 SIGNED ON 8-30-2005
 BY: G. Thomas Green
 PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 28717
 MY LICENSE EXPIRES NOVEMBER 30, 2006

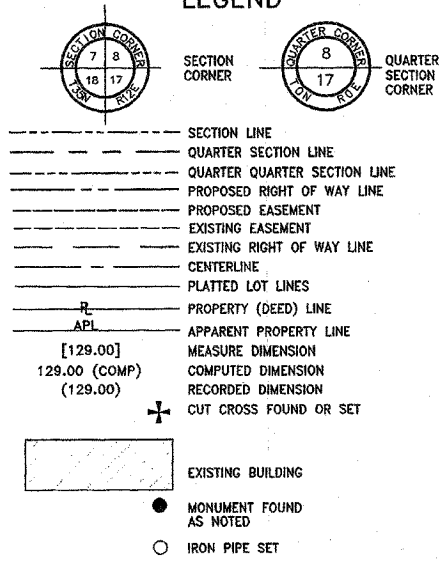


PLAT DATE: Dec 23, 2005 - 11:11am
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PART OF THE NORTHEAST QUARTER OF SECTION 17, T35N, R12E, OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

ROUTE	SECTION	COUNTY	TOWNSHIP	SHEET
0306	*	WILL	118	63
FHWA REGION NO.		ILLINOIS PROJECT M-	8003(200)	
* 01-00029-00-FP		CONTRACT NO. 83825		

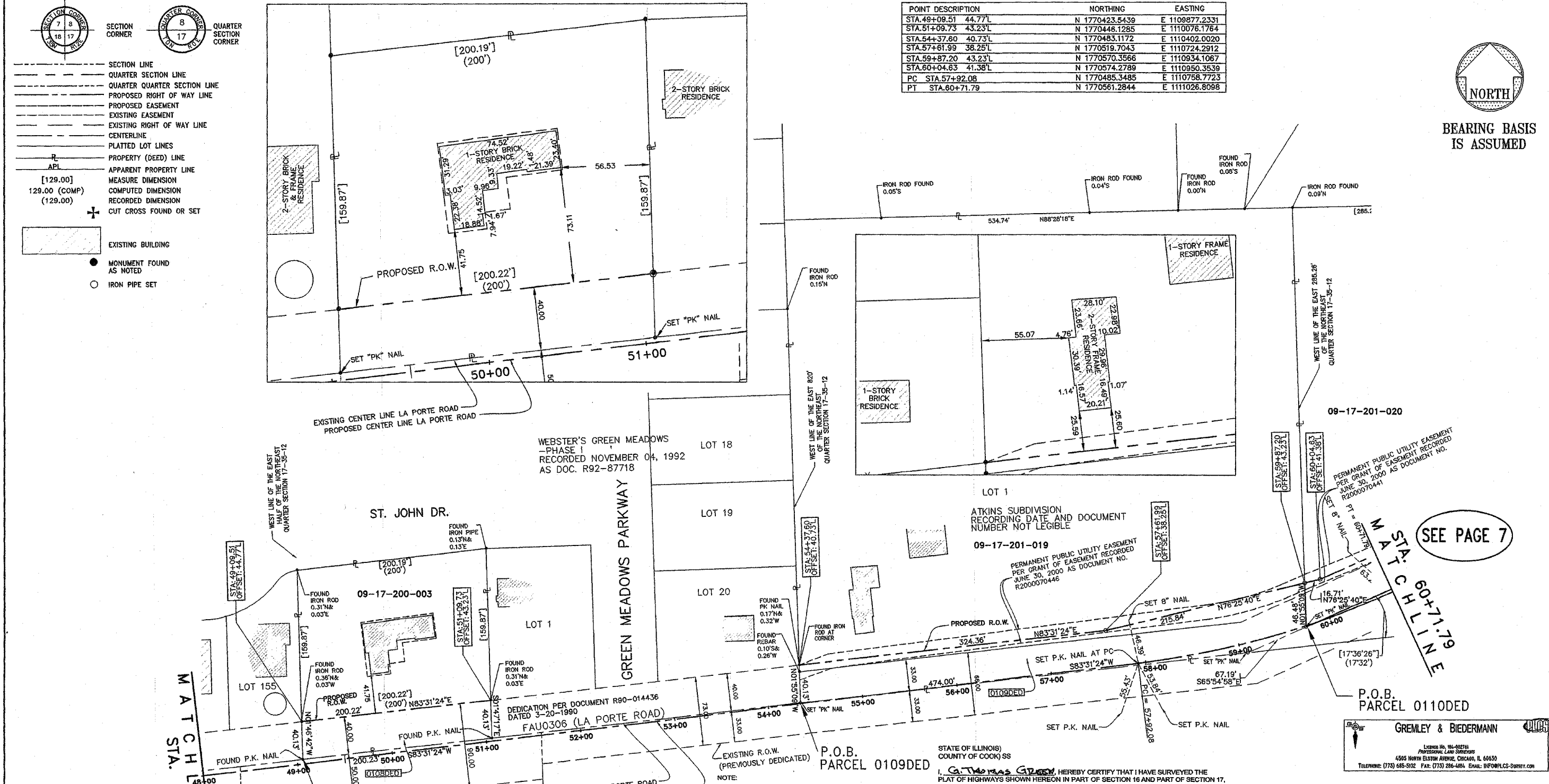
LEGEND



POINT DESCRIPTION	NORTHING	EASTING
STA.49+09.51	44.77'L	N 1770423.5439 E 1109877.2331
STA.51+09.73	43.23'L	N 1770446.1285 E 1110076.1764
STA.54+37.60	40.73'L	N 1770483.1172 E 1110402.0020
STA.57+61.99	38.25'L	N 1770519.7043 E 1110724.2912
STA.59+87.20	43.23'L	N 1770570.3566 E 1110934.1067
STA.60+04.63	41.38'L	N 1770574.2789 E 1110950.3539
PC STA.57+92.08		N 1770485.3485 E 1110758.7723
PT STA.60+71.79		N 1770561.2844 E 1111026.8098



BEARING BASIS IS ASSUMED



SEE PAGE 7

PARCEL NO.	OWNER	TOTAL HOLDING (ACRES)	PART TAKEN (ACRES)	REMAINDER (ACRES)	PREVIOUSLY DED. (ACRES)	EASEMENT (ACRES)	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
0108DED	FOUNDERS BANK-TRUSTEE TRUSTEE NO.5-1048	0.916	0.184	0.732				09-17-200-003	
0109DED	ROBERT/DEBRA WEGFORTH	5.932	0.543	5.389				09-17-201-019	

STATE OF ILLINOIS
COUNTY OF COOK SS

G. Thomas Green HEREBY CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN PART OF SECTION 16 AND PART OF SECTION 17, IN TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF THE CHARACTER NOTED HEREON, OCCUPY THE POSITIONS SHOWN HEREON AND ARE SUFFICIENT TO ENABLE THIS SURVEY TO BE RETRACED. THIS SURVEY WAS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD MEASUREMENTS COMPLETED ON JUNE 6, 2005.

SIGNED ON: 8-20-2005

BY: G. Thomas Green
PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 2877
MY LICENSE EXPIRES NOVEMBER 30, 2006



REVISION	
DATE	DESCRIPTION

ILLINOIS DEPT. OF TRANSPORTATION
PLAT OF HIGHWAYS

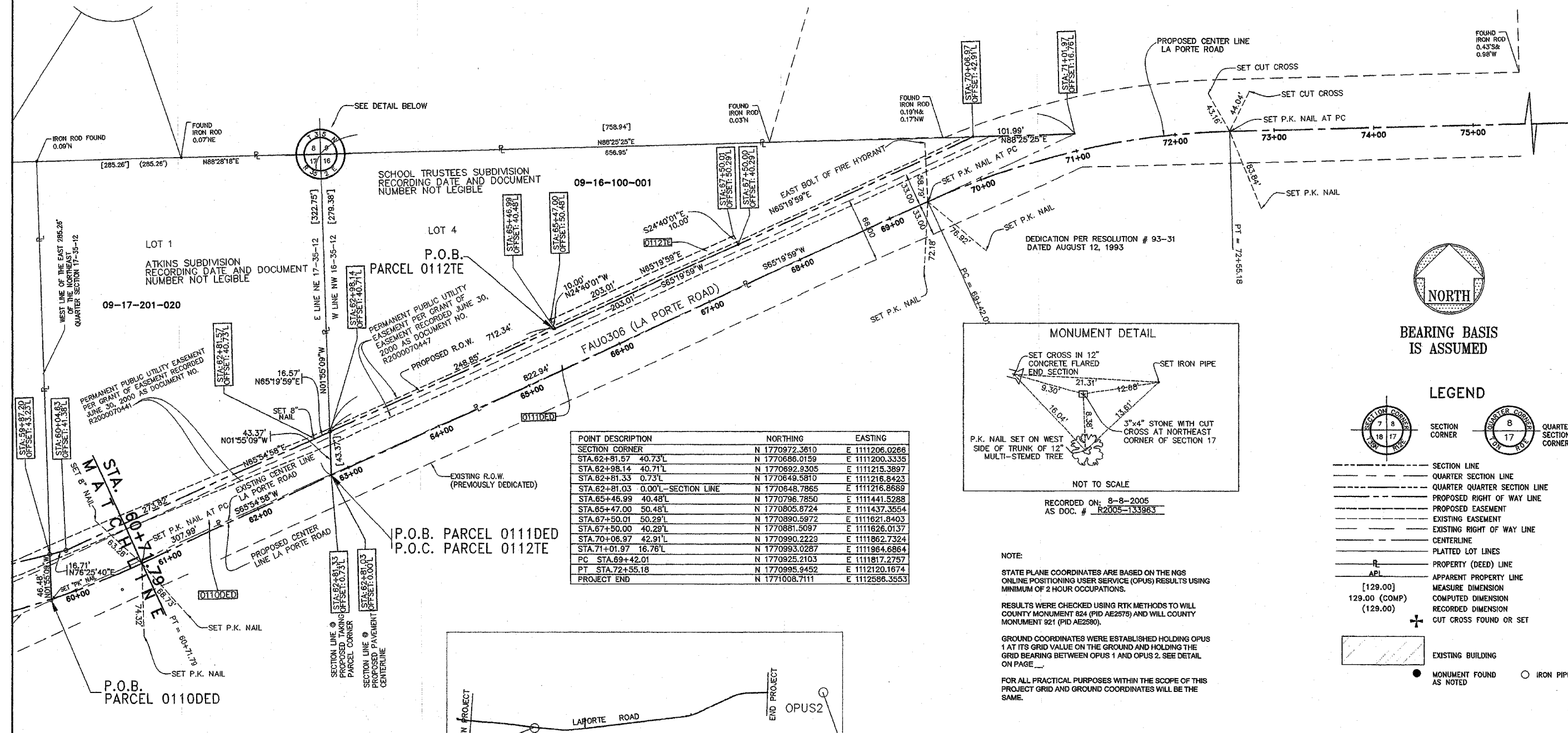
ROUTE: FAU0306 (LA PORTE ROAD)
SECTION: 01-00029-00-FP
COUNTY: WILL
JOB #: R-55-001-97
SEC 16-17 T35N R12E OF 3RD P.M.
STA. 48+00 TO STA. 60+71.79
DRAWN: DC CHECKED:
SCALE: 1"=50' SHEET 6 OF

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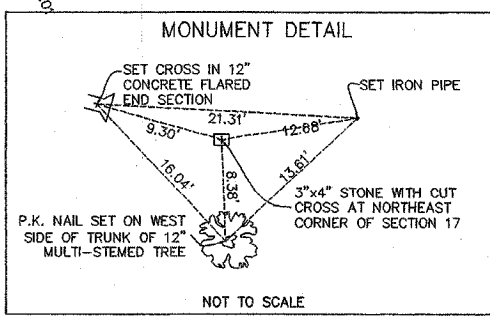
PART OF THE NORTHEAST QUARTER OF SECTION 17, T35N, R12E, OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS
 PART OF THE NORTHWEST QUARTER OF SECTION 16, T35N, R12E, OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

SCALE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	64
FWHA REGION NO.	ILLINOIS	PROJECT M-	B003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	

END PROJECT STA. 77+21.54

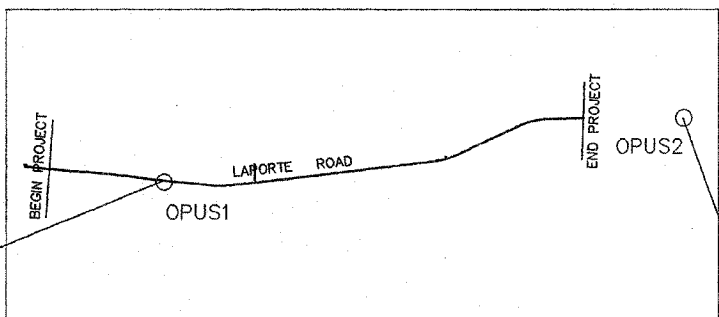


POINT DESCRIPTION	NORTHING	EASTING
SECTION CORNER	N 1770972.3610	E 1111206.0268
STA. 62+81.57 40.73'L	N 1770688.0159	E 1111200.3335
STA. 62+98.14 40.71'L	N 1770692.9305	E 1111215.3897
STA. 62+81.33 0.73'L	N 1770649.5810	E 1111216.8423
STA. 62+81.03 0.00'L-SECTION LINE	N 1770648.7865	E 1111216.8689
STA. 65+46.99 40.48'L	N 1770796.7850	E 1111441.5288
STA. 65+47.00 50.48'L	N 1770805.8724	E 1111437.3554
STA. 67+50.01 50.29'L	N 1770890.5972	E 1111621.8403
STA. 67+50.00 40.29'L	N 1770881.5097	E 1111626.0137
STA. 70+06.97 42.91'L	N 1770990.2229	E 1111862.7324
STA. 71+01.97 16.76'L	N 1770993.0287	E 1111964.6864
PC STA. 69+42.01	N 1770925.2103	E 1111817.2757
PT STA. 72+55.18	N 1770995.9452	E 1112120.1674
PROJECT END	N 1771008.7111	E 1112588.3553

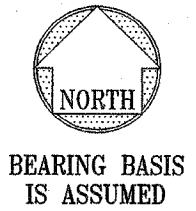


NOTED ON: 8-8-2005 AS DOC. # R2005-133963

NOTE:
 STATE PLANE COORDINATES ARE BASED ON THE NGS ONLINE POSITIONING USER SERVICE (OPUS) RESULTS USING MINIMUM OF 2 HOUR OCCUPATIONS.
 RESULTS WERE CHECKED USING RTK METHODS TO WILL COUNTY MONUMENT 824 (PID AE2576) AND WILL COUNTY MONUMENT 921 (PID AE2580).
 GROUND COORDINATES WERE ESTABLISHED HOLDING OPUS 1 AT ITS GRID VALUE ON THE GROUND AND HOLDING THE GRID BEARING BETWEEN OPUS 1 AND OPUS 2. SEE DETAIL ON PAGE ____.
 FOR ALL PRACTICAL PURPOSES WITHIN THE SCOPE OF THIS PROJECT GRID AND GROUND COORDINATES WILL BE THE SAME.



OPUS DETAIL MAP



LEGEND

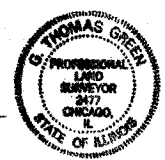
- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING EASEMENT
- EXISTING RIGHT OF WAY LINE
- CENTERLINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURE DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- CUT CROSS FOUND OR SET
- EXISTING BUILDING
- MONUMENT FOUND AS NOTED
- IRON PIPE SET

GREMLEY & BIEDERMANN
 LICENSE NO. 014-002741
 PROFESSIONAL LAND SURVEYOR
 4508 NORTH ELSTON AVENUE, CHICAGO, IL 60659
 TELEPHONE (773) 686-5102 FAX (773) 286-4184 EMAIL: INFO@GLCB-SURVEY.COM

REVISION		ILLINOIS DEPT. OF TRANSPORTATION PLAT OF HIGHWAYS
DATE	DESCRIPTION	
		ROUTE: FAU0306 (LA PORTE ROAD)
		SECTION: 01-00029-00-FP
		COUNTY: WILL
		JOB #: R-55-001-97
		SEC 16-17 T35N R12E OF 3RD P.M.
		STA. 60+71.79 TO STA. END
		DRAWN: DC CHECKED:
		SCALE: 1"=50' SHEET 7 OF

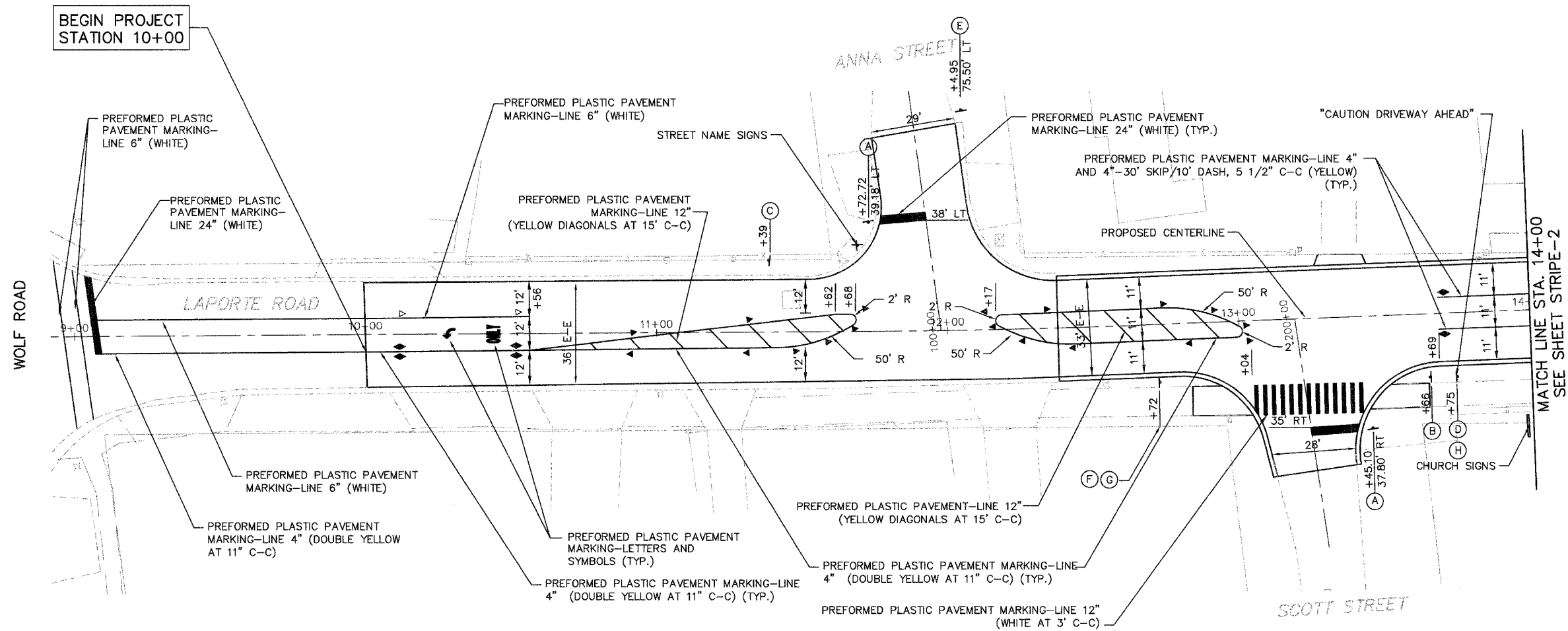
PARCEL NO.	OWNER	TOTAL HOLDING (ACRES)	PART TAKEN (ACRES)	REMAINDER (ACRES)	PREVIOUSLY DED. (ACRES)	EASEMENT (ACRES)	EASEMENT PURPOSE	PERMANENT ID. NO.	PROPERTY ACQUIRED BY
0110ED	MARTIN J. CONNOLLY	2.501	0.284	2.217				09-17-201-020	
0111ED	BANK OF HOMEWOOD TRUST NO. 97006	2.812	0.705	2.167				09-16-100-001	
0112TE	BANK OF HOMEWOOD TRUST NO. 97006	2.812				0.047	FOR CONSTRUCTION	09-16-100-001	

STATE OF ILLINOIS
 COUNTY OF COOK) SS
 I, **G. THOMAS GREEN**, HEREBY CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN PART OF SECTION 16 AND PART OF SECTION 17, IN TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF THE CHARACTER NOTED HEREON, OCCUPY THE POSITIONS SHOWN HEREON AND ARE SUFFICIENT TO ENABLE THIS SURVEY TO BE RETRACED. THIS SURVEY WAS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 FIELD MEASUREMENTS COMPLETED ON JUNE 6, 2005.
 SIGNED ON 8-20-2005
 BY: *J. Thomas Green*
 PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 2477
 MY LICENSE EXPIRES NOVEMBER 30, 2006



PLDT DATE: Dec 23, 2005 - 11:09am
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 © 2004 AutoCAD - 01/25/05 User: 1004-07013-0002.dwg

STATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	65
FWHA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	



NOTE: PREFORMED PLASTIC PAVEMENT MARKING-LINE 24" SHALL BE TYPE C.

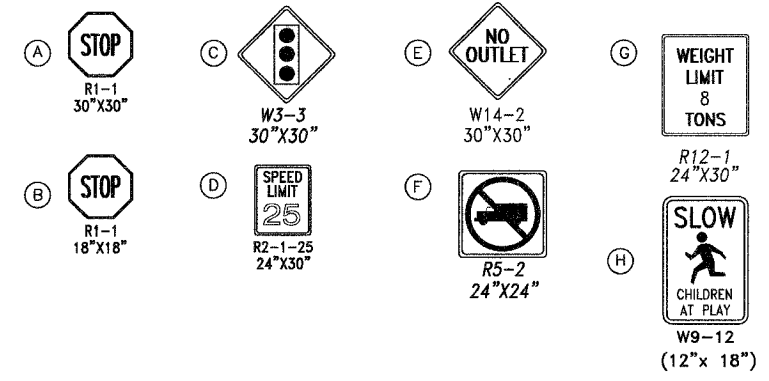
ALL OTHER PAVEMENT MARKINGS SHALL BE PREFORMED PLASTIC - TYPE B.

ALL PREFORMED PLASTIC PAVEMENT MARKINGS SHALL BE INLAID DURING COMPACTION OF THE PAVEMENT.

RAISED REFLECTIVE PAVEMENT MARKER LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◄ TWO-WAY AMBER MARKER

SIGN LEGEND



STRIPE-1

Clorba Group, Inc.
CONSULTING ENGINEERS
6307 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

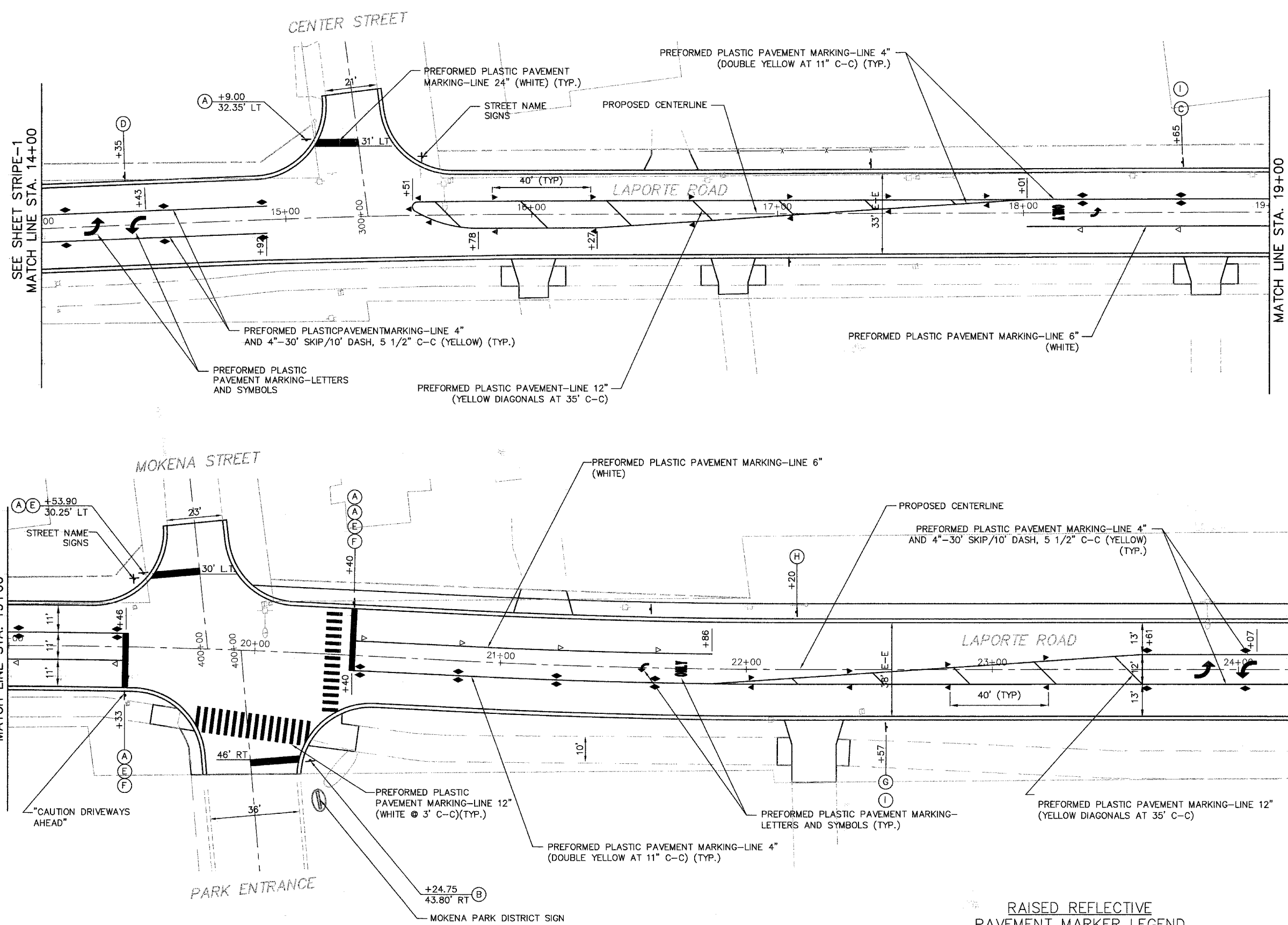
PROPOSED STRIPING AND SIGNING PLAN
STATION 10+00 TO 14+00

DESIGN: MRJ
DRAWN: DJS/EAB
CHECKED: SNS

DATE: MAR. 2006
SCALE: 1"=20'
FILE NO.: 3232

PLT DATE: Mar 15, 2006 - 3:23pm
FILENAME: N:\PREL\3232\Design\Striping\3232-STRIPING-01.dwg

PLAN ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	66
RHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. B3825	



SIGN LEGEND

- (A) STOP R1-1 30"X30"
- (B) STOP R1-1 18"X18"
- (C) SPEED LIMIT 25 R2-1-25 24"X30"
- (D) NO PARKING R8-3 24"X30"
- (E) 4-WAY R1-3 12"X6"
- (F) S1-1 36"X36"
- (G) SPEED LIMIT 30 R2-1-30 24"X30"
- (H) W3-1A 36"X36"
- (I) SLOW CHILDREN AT PLAY W9-12 (12"x 18")

NOTE: PREFORMED PLASTIC PAVEMENT MARKING-LINE 24" SHALL BE TYPE C.
 ALL OTHER PAVEMENT MARKINGS SHALL BE PREFORMED PLASTIC - TYPE B.
 ALL PREFORMED PLASTIC PAVEMENT MARKINGS SHALL BE INLAID DURING COMPACTION OF THE PAVEMENT.

STRIPE-2

RAISED REFLECTIVE PAVEMENT MARKER LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◄ TWO-WAY AMBER MARKER

CG **Clorba Group, Inc.**
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicao@clorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

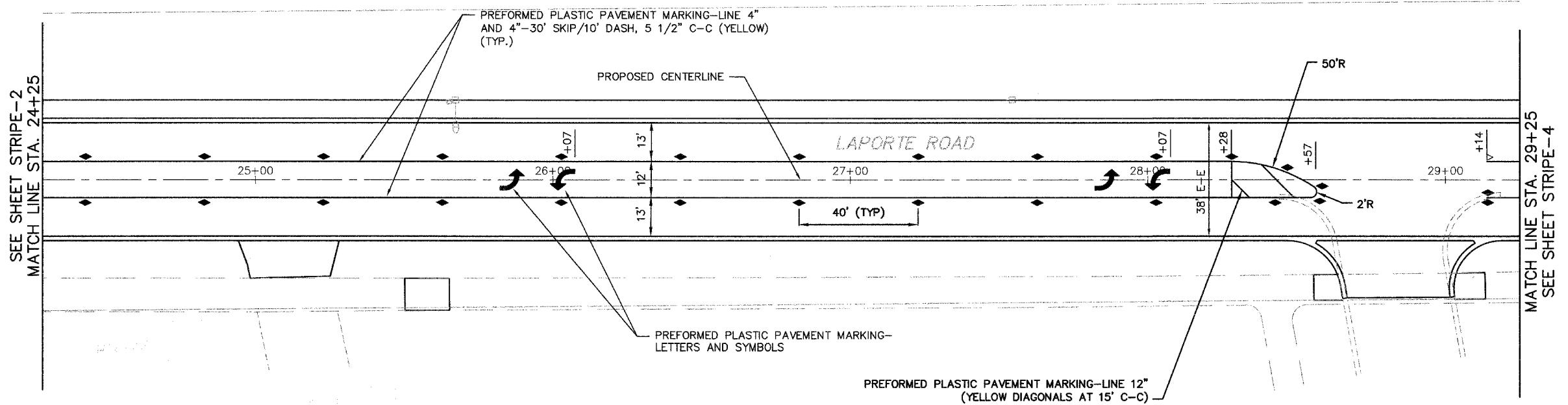
PROPOSED STRIPING AND SIGNING PLAN
 STATION 14+00 TO 24+25

DESIGN: MRJ
 DRAWN: DJS/EAB
 CHECKED: SNS

DATE: DEC. 2005
 SCALE: 1"=20'
 FILE NO.: 3232

PLOT DATE: Dec 22, 2005 11:01am
 FILENAME: N:\PRJ\3232\Design\Striping\3232-Striping-02.dwg

F.A.N. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	67
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



RAISED REFLECTIVE PAVEMENT MARKER LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

NOTE: PREFORMED PLASTIC PAVEMENT MARKING—LINE 24" SHALL BE TYPE C.

ALL OTHER PAVEMENT MARKINGS SHALL BE PREFORMED PLASTIC — TYPE B.

ALL PREFORMED PLASTIC PAVEMENT MARKINGS SHALL BE INLAID DURING COMPACTION OF THE PAVEMENT.

STRIPE-3

PLOT DATE: Dec 22, 2005 - 11:53am
 FILENAME: N:\PROJECTS\Design\Striping\3232-STRIPING-03.dwg

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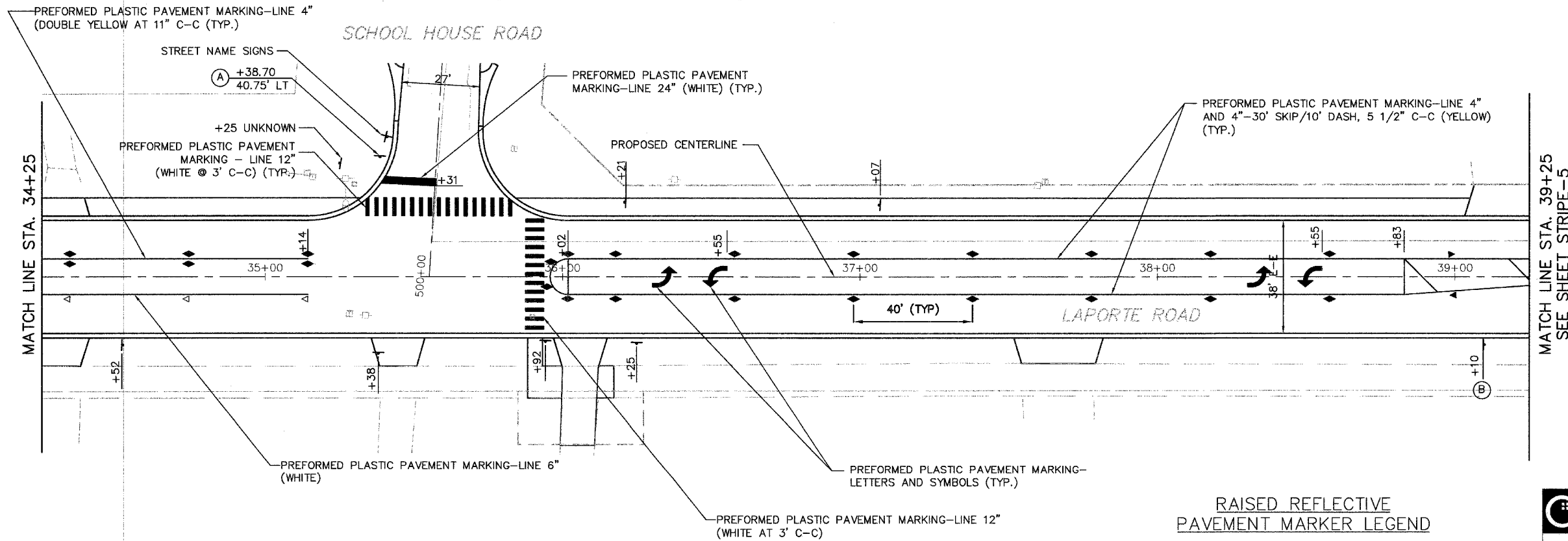
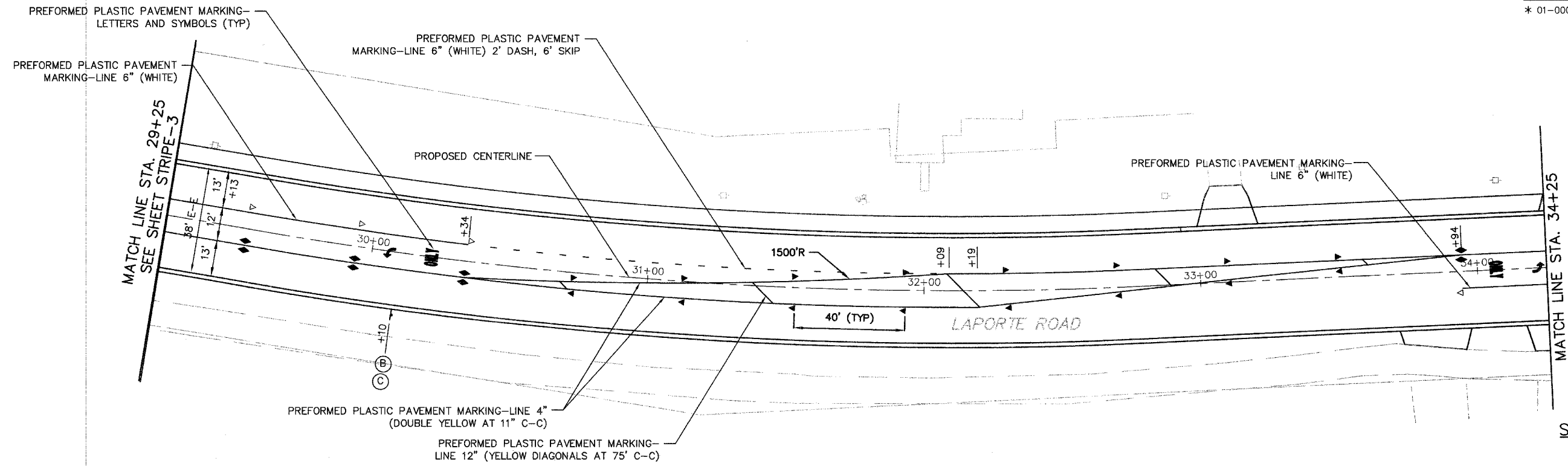
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

PROPOSED STRIPING AND SIGNING PLAN
 STATION 24+25 TO 29+25

DESIGN: MRJ
 DRAWN: DJS/EAB
 CHECKED: SNS

DATE: DEC. 2005
 SCALE: 1"=20'
 FILE NO.: 3232

E.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	68
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



SIGN LEGEND

- (A) STOP
R1-1
30"X30"
- (B) SPEED LIMIT
30
R2-1
24"X30"
- (C) NO PARKING
ANY TIME
R7-1
12"X18"

NOTE: PREFORMED PLASTIC PAVEMENT MARKING-LINE 24" SHALL BE TYPE C.
ALL OTHER PAVEMENT MARKINGS SHALL BE PREFORMED PLASTIC - TYPE B.
ALL PREFORMED PLASTIC PAVEMENT MARKINGS SHALL BE INLAID DURING COMPACTION OF THE PAVEMENT.

STRIPE-4

RAISED REFLECTIVE PAVEMENT MARKER LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

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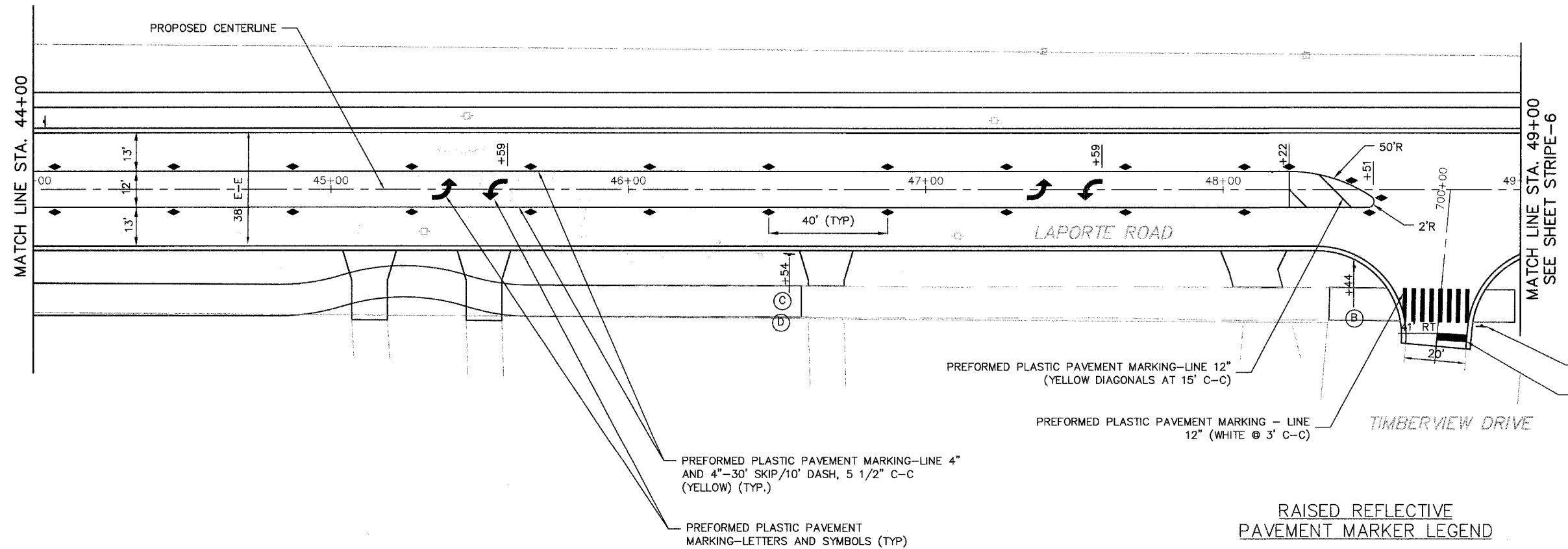
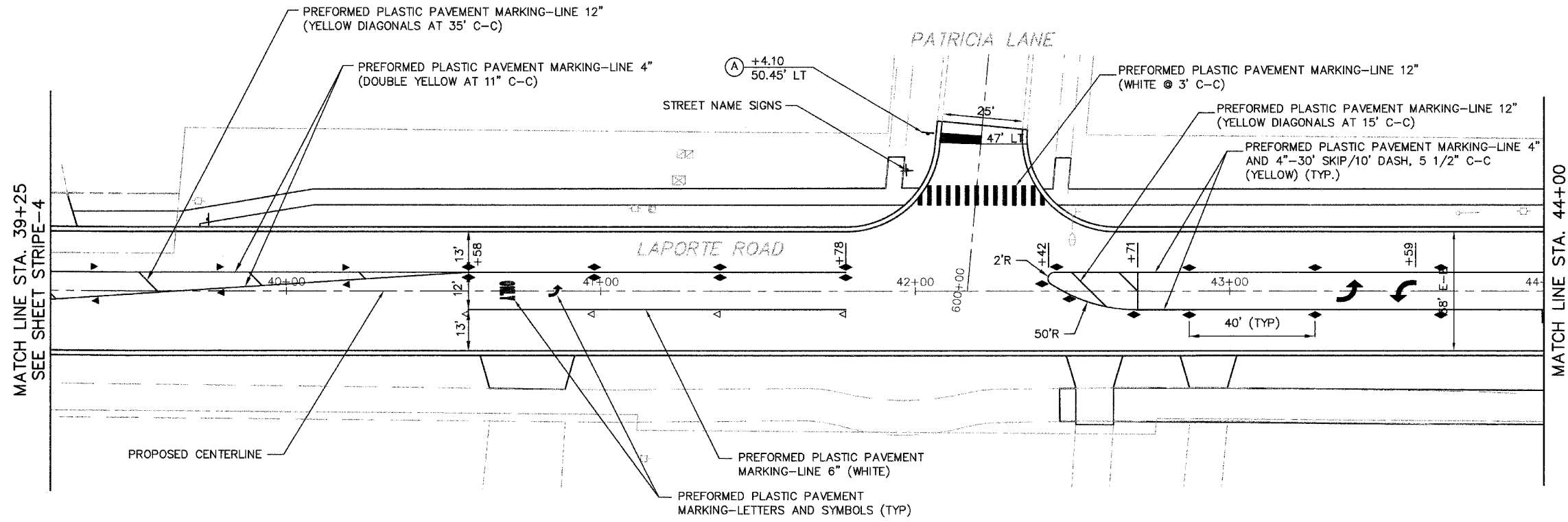
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

PROPOSED STRIPING AND SIGNING PLAN
STATION 29+25 TO 39+25

DESIGN: MRJ
DRAWN: DJS/EAB
CHECKED: SNS
DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PLU1.DAT: Dec 22, 2005 11:05am
FILENAME: N:\PROJ\A3032\Design\STRIPING-04.dwg

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	69
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



SIGN LEGEND

- (A) R1-1 30"x30"
- (B) R1-1 18"x18"
- (C) W11-1 30"x30"
- (D) M7-1(R) (12"x 9")

NOTE: PREFORMED PLASTIC PAVEMENT MARKING-LINE 24" SHALL BE TYPE C.
 ALL OTHER PAVEMENT MARKINGS SHALL BE PREFORMED PLASTIC - TYPE B.
 ALL PREFORMED PLASTIC PAVEMENT MARKINGS SHALL BE INLAID DURING COMPACTION OF THE PAVEMENT.

RAISED REFLECTIVE PAVEMENT MARKER LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

STRIPE-5

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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

PROPOSED STRIPING AND SIGNING PLAN
 STATION 39+25 TO 49+00

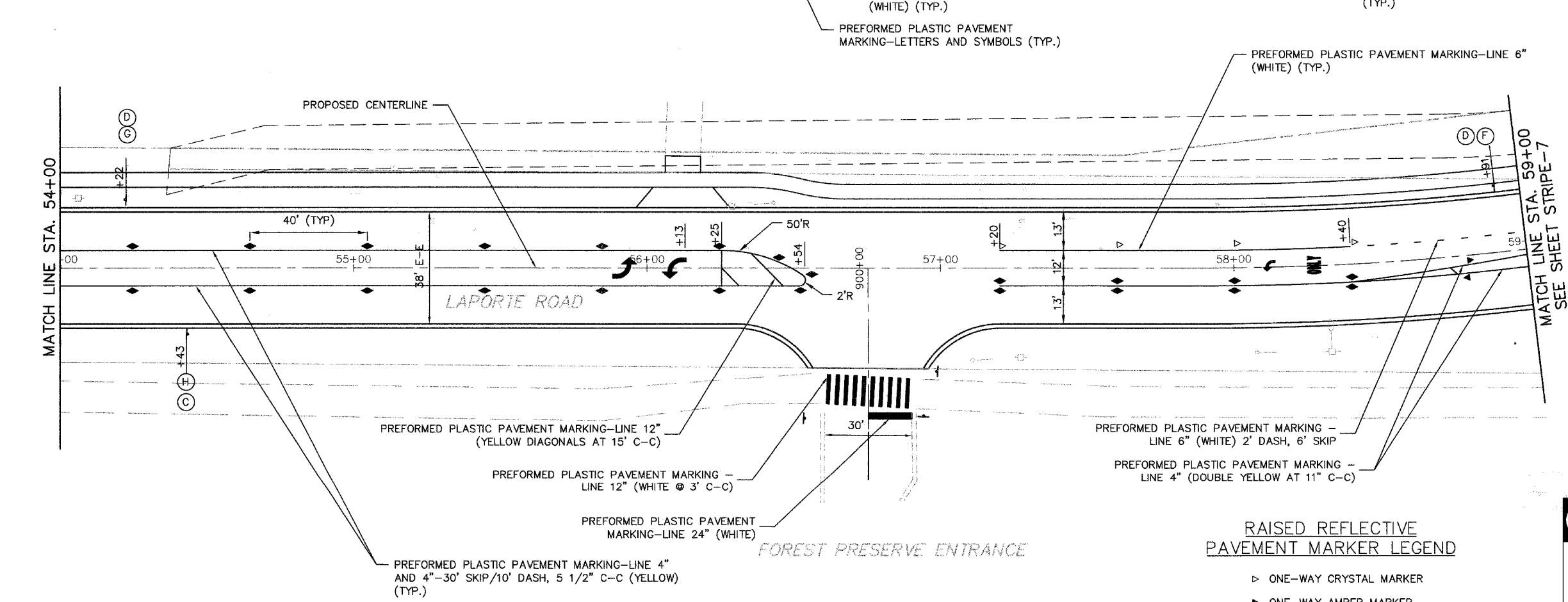
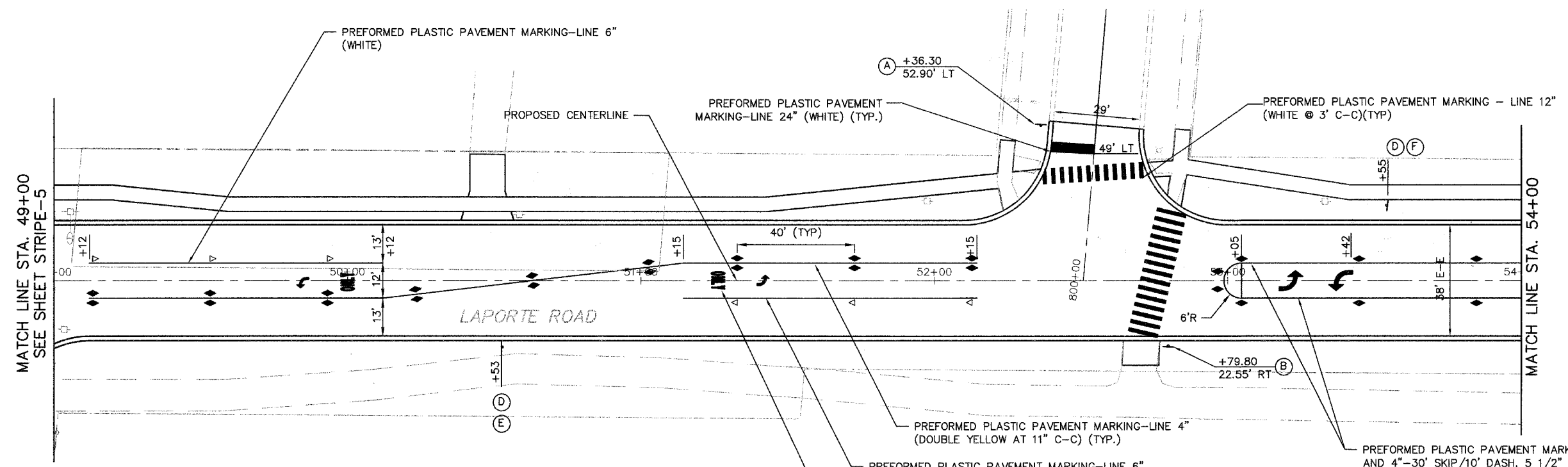
DESIGN: MRJ
 DRAWN: DJS/EAB
 CHECKED: SNS

DATE: DEC. 2005
 SCALE: 1"=20'
 FILE NO.: 3232

PL111 10/17/05 10:05 AM
 FILENAME: N:\PROJECTS\3232\Design\Striping\3232-STRIPING-05.dwg

PLAN ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	70
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	

GREEN MEADOWS PARKWAY



SIGN LEGEND

- (A) STOP R1-1 30"x30"
- (B) STOP R1-1 18"x18"
- (C) SPEED LIMIT 30 R2-1-30 24"x30"
- (D) W11-1 30"x30"
- (E) M7-1(R) 12"x 9"
- (F) M7-1(L) 12"x 9"
- (G) W2-2 30"x30"
- (H) W1-4R 30"x30"

NOTE: PREFORMED PLASTIC PAVEMENT MARKING-LINE 24" SHALL BE TYPE C.
 ALL OTHER PAVEMENT MARKINGS SHALL BE PREFORMED PLASTIC - TYPE B.
 ALL PREFORMED PLASTIC PAVEMENT MARKINGS SHALL BE INLAID DURING COMPACTION OF THE PAVEMENT.

STRIPE-6

RAISED REFLECTIVE PAVEMENT MARKER LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◄ TWO-WAY AMBER MARKER

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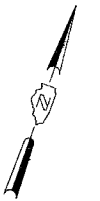
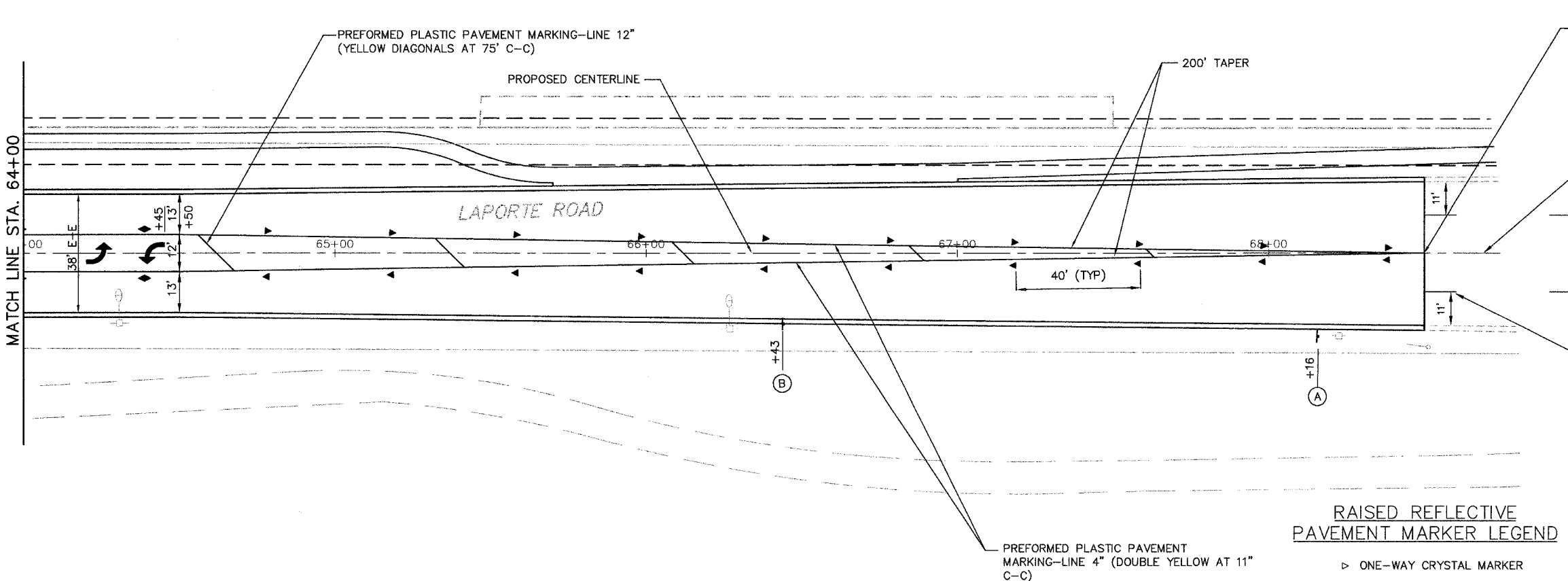
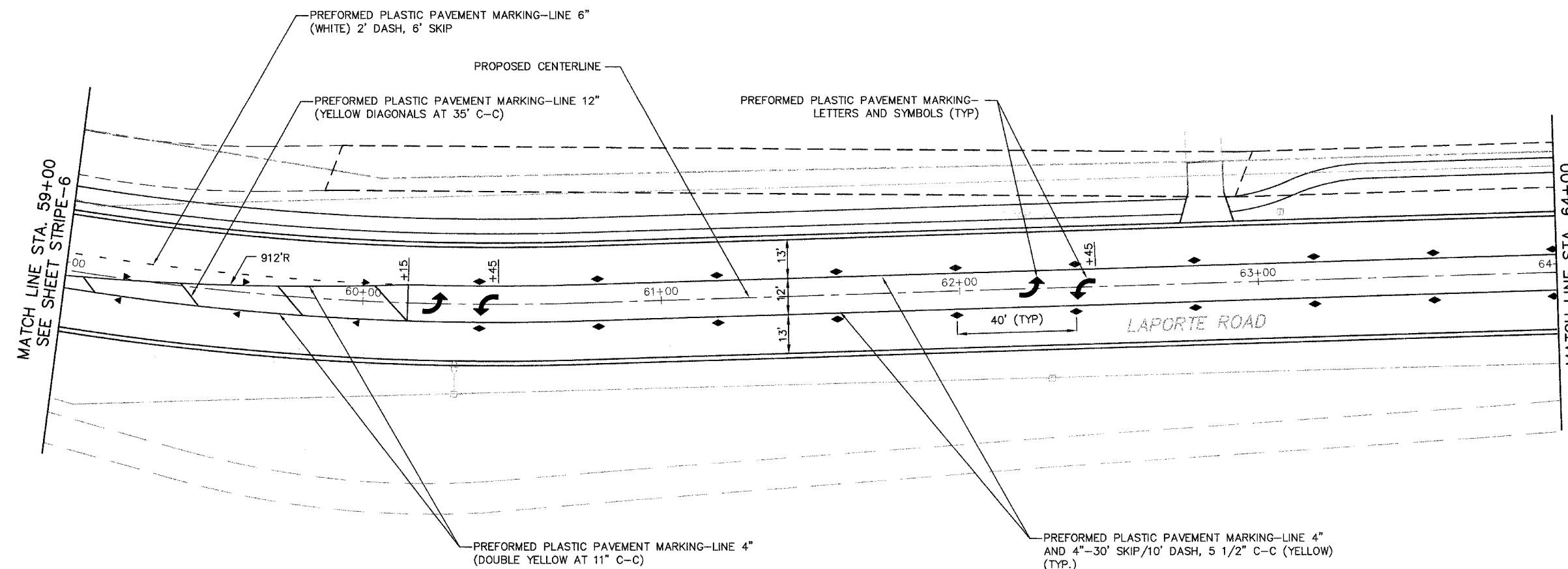
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

PROPOSED STRIPING AND SIGNING PLAN
 STATION 49+00 TO 59+00

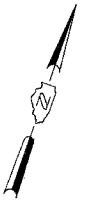
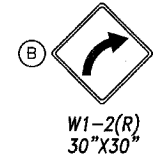
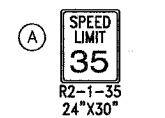
DESIGN: MRJ
 DRAWN: DJS/EAB
 CHECKED: SNS
 DATE: DEC. 2005
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 FILE NO.: 3232

PLOT DATE: Dec 22, 2005 11:05am
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FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	71
FHWA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. B3B25	



SIGN LEGEND



END PROJECT STATION 68+50

PREFORMED PLASTIC PAVEMENT MARKING—LINE 4" (DOUBLE YELLOW AT 11" C-C) STA. 68+50 TO 71+00

NOTE: PREFORMED PLASTIC PAVEMENT MARKING—LINE 24" SHALL BE TYPE C.

ALL OTHER PAVEMENT MARKINGS SHALL BE PREFORMED PLASTIC — TYPE B.

ALL PREFORMED PLASTIC PAVEMENT MARKINGS SHALL BE INLAID DURING COMPACTION OF THE PAVEMENT.

PREFORMED PLASTIC PAVEMENT MARKING—LINE 4" (WHITE) 30' SKIP, 10' DASH (TYP.) STA. 68+50 TO STA. 71+00

STRIPE-7

RAISED REFLECTIVE PAVEMENT MARKER LEGEND

- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

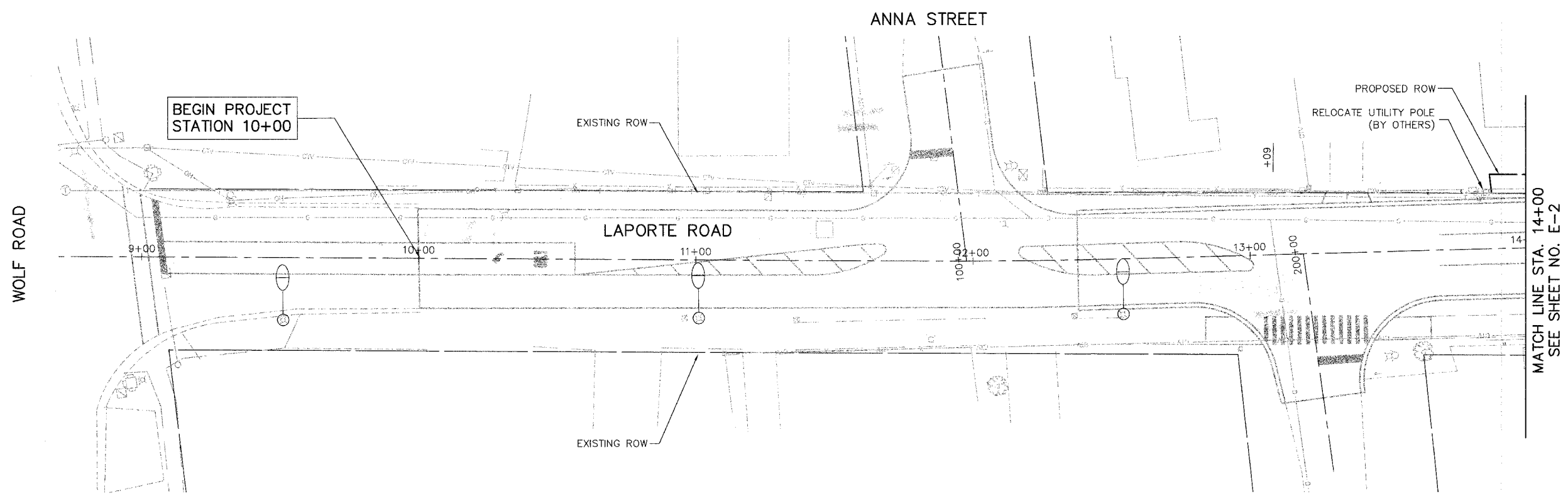
PROPOSED STRIPING AND SIGNING PLAN
STATION 59+00 TO 64+00

DESIGN: MRJ
DRAWN: DJS/EAB
CHECKED: SNS

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

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F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	72
FHWA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	



BEGIN PROJECT STATION 10+00

EXISTING ROW

ANNA STREET

PROPOSED ROW
RELOCATE UTILITY POLE (BY OTHERS)

LAPORTE ROAD

MATCH LINE STA. 14+00
SEE SHEET NO. E-2

SCOTT STREET

LEGEND

- LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
- UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
- EXISTING LIGHT POLE, SIZE AS NOTED
- UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYTHYLENE AND LENGTH AS NOTED
- GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
- PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
- PROPOSED SERVICE CONNECTION
- OFFSET FOUNDATION

NOTES

1. ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED
2. EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-1

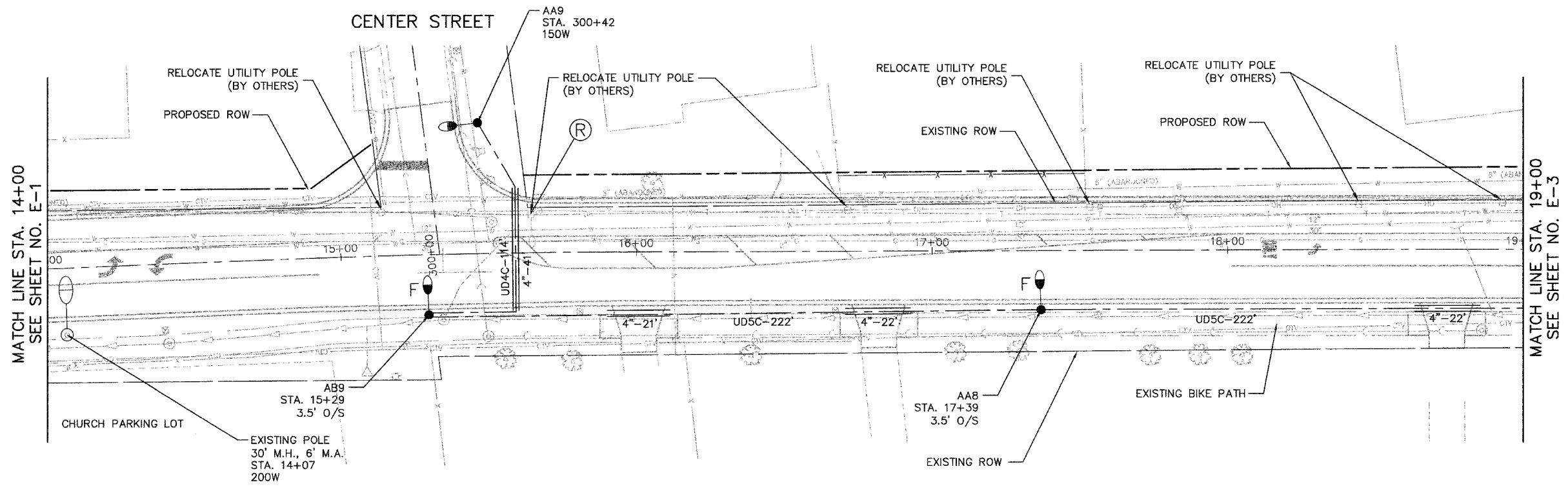
CGI Clorba Group, Inc.
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Tel. 773.773.4009 Fax 773.773.4014 Email chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
LAPORTE ROAD IMPROVEMENTS
LIGHTING PLAN
STATION 10+00 TO 14+00

DESIGN: KDM DATE: MAR. 2006
DRAWN: KDM SCALE: 1"=20'
CHECKED: JMV FILE NO.: 3232

PLDT DATE: Mar 15, 2006 - 3:45pm
FILE NAME: N:\PROJ\3232\Design\Lighting\3232-LIGHT-01.dwg

PLAN ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	73
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
- UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
- EXISTING LIGHT POLE, SIZE AS NOTED
- UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYTHYLENE AND LENGTH AS NOTED
- 4"-10' GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
- PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
- PROPOSED SERVICE CONNECTION
- OFFSET FOUNDATION

NOTES

1. ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED
2. EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-2

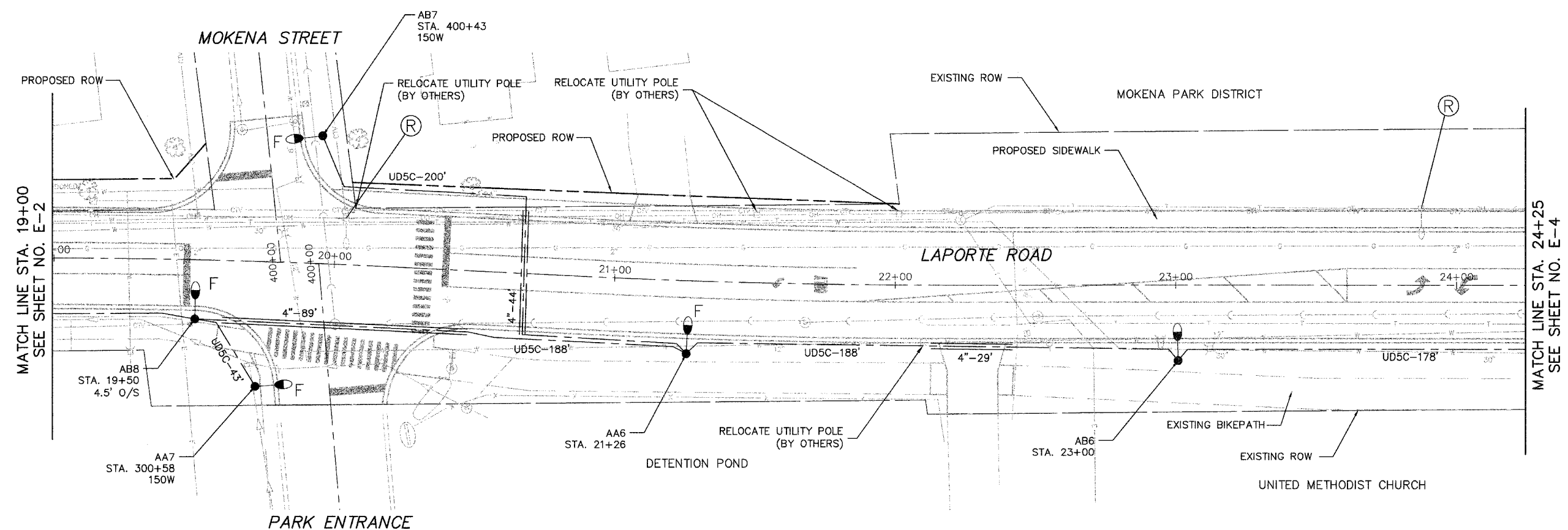
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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 LAPORTE ROAD IMPROVEMENTS
 LIGHTING PLAN
 STATION 14+00 TO 19+00

DESIGN: KDM	DATE: DEC. 2005
DRAWN: KDM	SCALE: 1"=20'
CHECKED: JMV	FILE NO.: 3232

FED. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	74
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



- LEGEND**
- LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
 - UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
 - EXISTING LIGHT POLE, SIZE AS NOTED
 - UD5C-10' UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2\"/>

- NOTES**
- ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
 - EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-3

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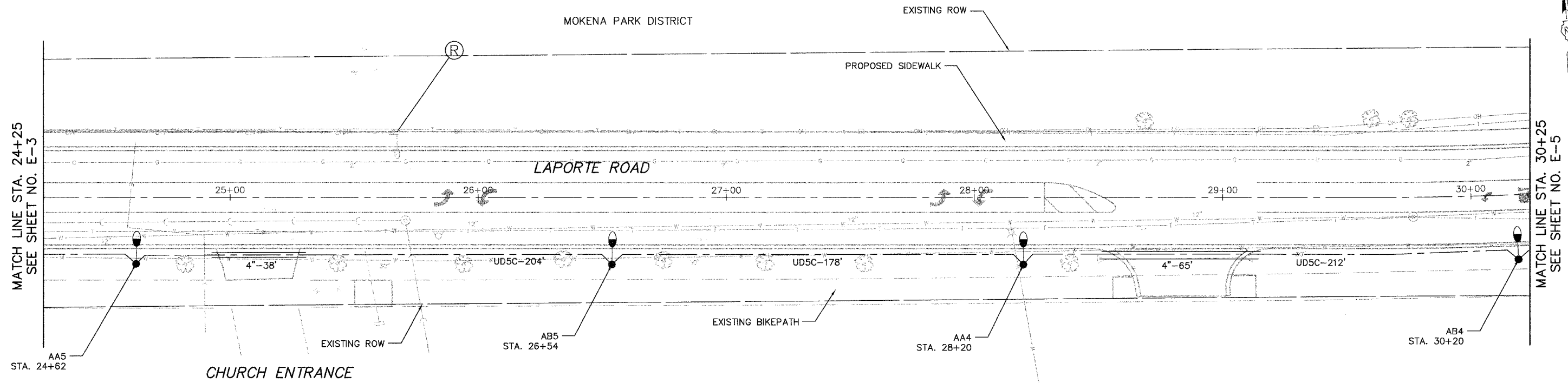
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
LAPORTE ROAD IMPROVEMENTS
LIGHTING PLAN
STATION 19+00 TO 24+25

DESIGN: KDM
DRAWN: KDM
CHECKED: JMV

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

PLU1 DATE: Dec 22, 2005 11:51:00
FILENAME: NA\PROJ\3232\Design\Lighting\3232-LIGHT-C3.dwg

STATE ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	75
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
- UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
- EXISTING LIGHT POLE, SIZE AS NOTED
- UD5C-10' UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYTHYLENE AND LENGTH AS NOTED
- 4"-10' GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
- PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
- PROPOSED SERVICE CONNECTION
- OFFSET FOUNDATION

NOTES

1. ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
2. EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-4

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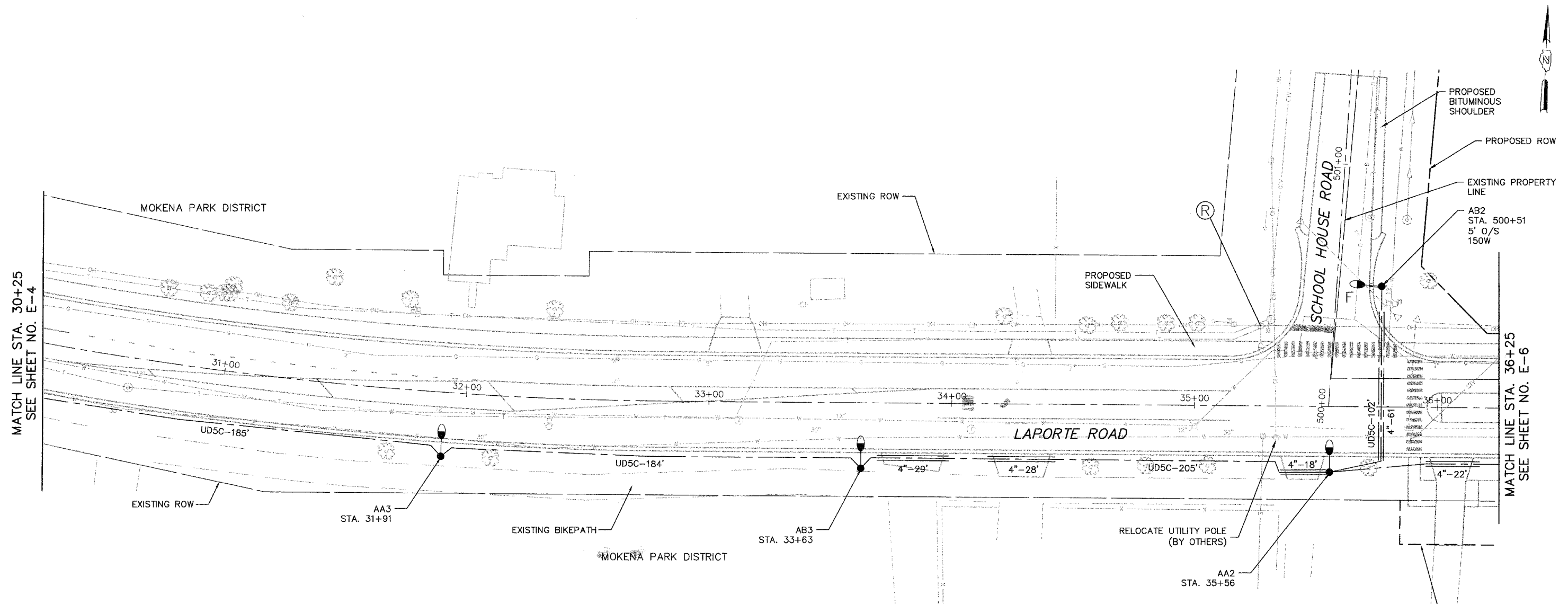
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 LAPORTE ROAD IMPROVEMENTS
 LIGHTING PLAN
 STATION 24+25 TO 30+25

DESIGN: KDM
 DRAWN: KDM
 CHECKED: JMV

DATE: DEC. 2005
 SCALE: 1"=20'
 FILE NO.: 3232

PLU1 D:\A\1\1\dec 22, 2005 - 5:14pm
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FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



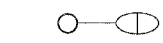
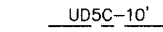
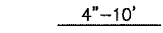





MATCH LINE STA. 30+25
SEE SHEET NO. E-4

MATCH LINE STA. 36+25
SEE SHEET NO. E-6



LEGEND


-  LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
-  UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
-  EXISTING LIGHT POLE, SIZE AS NOTED
-  UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYTHYLENE AND LENGTH AS NOTED
-  GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
-  PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
-  PROPOSED SERVICE CONNECTION
-  OFFSET FOUNDATION

NOTES

1. ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
2. EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-5

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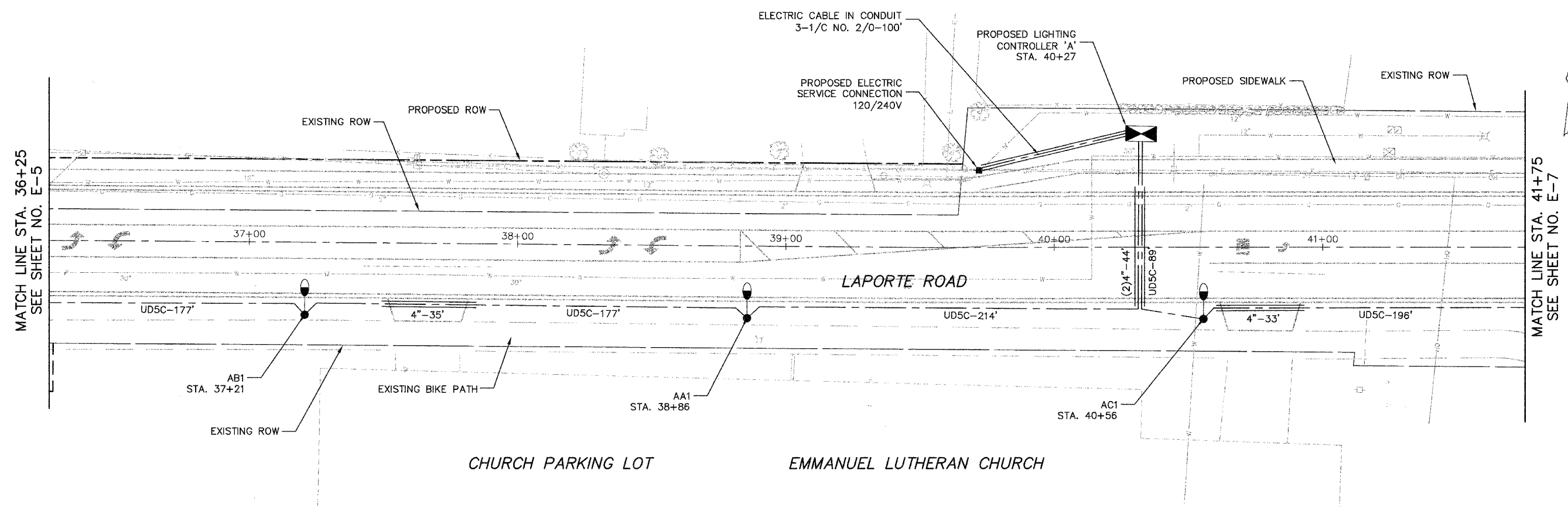


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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 LAPORTE ROAD IMPROVEMENTS
 LIGHTING PLAN
 STATION 30+25 TO 36+25

DESIGN: KDM	DATE: DEC. 2005
DRAWN: KDM	SCALE: 1"=20'
CHECKED: JMV	FILE NO.: 3232

F.A.M. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	77
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



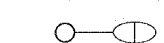
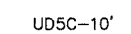
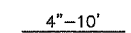





MATCH LINE STA. 36+25
SEE SHEET NO. E-5

MATCH LINE STA. 41+75
SEE SHEET NO. E-7



LEGEND

-  LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
-  UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
-  EXISTING LIGHT POLE, SIZE AS NOTED
-  UD5C-10' UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2\"/>
-  4\"/>
-  PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
-  PROPOSED SERVICE CONNECTION
-  OFFSET FOUNDATION

NOTES

1. ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
2. EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-6



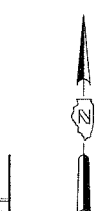
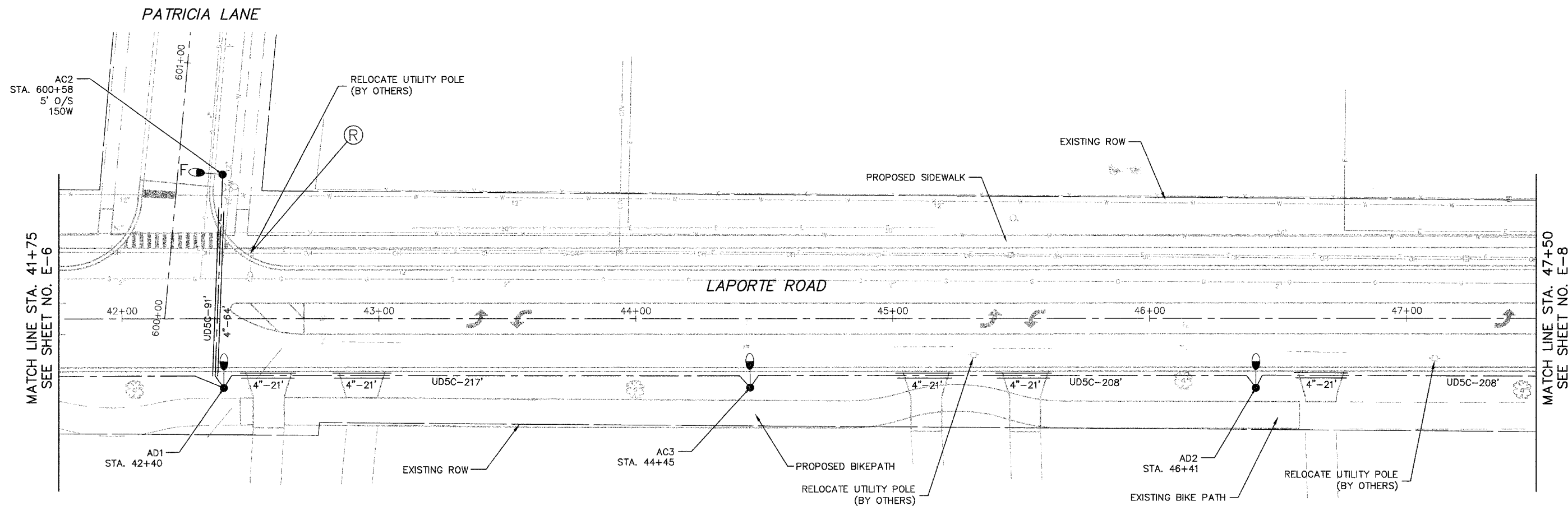
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CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60666
Tel. 773.775.4009 Fax 773.775.4014 Email: chicago@clorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
LAPORTE ROAD IMPROVEMENTS
LIGHTING PLAN
STATION 36+25 TO 41+75

DESIGN: KDM _____ DATE: DEC. 2005
DRAWN: KDM _____ SCALE: 1"=20'
CHECKED: JMV _____ FILE NO.: 3232

M:\111 Data\11 Dec 22, 2005 - 5:12pm
 FILENAME: M:\PRJ\11\3232\Design\Lighting\3232-LIGHT-06.dwg

PLAN ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	78
FWHA REGION NO.	ILLINOIS	PROJECT M-800.3(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



LEGEND

- LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
- UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
- EXISTING LIGHT POLE, SIZE AS NOTED
- UD5C-10' UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYTHYLENE AND LENGTH AS NOTED
- 4"-10' GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
- PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
- PROPOSED SERVICE CONNECTION
- F OFFSET FOUNDATION

NOTES

1. ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
2. EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-7

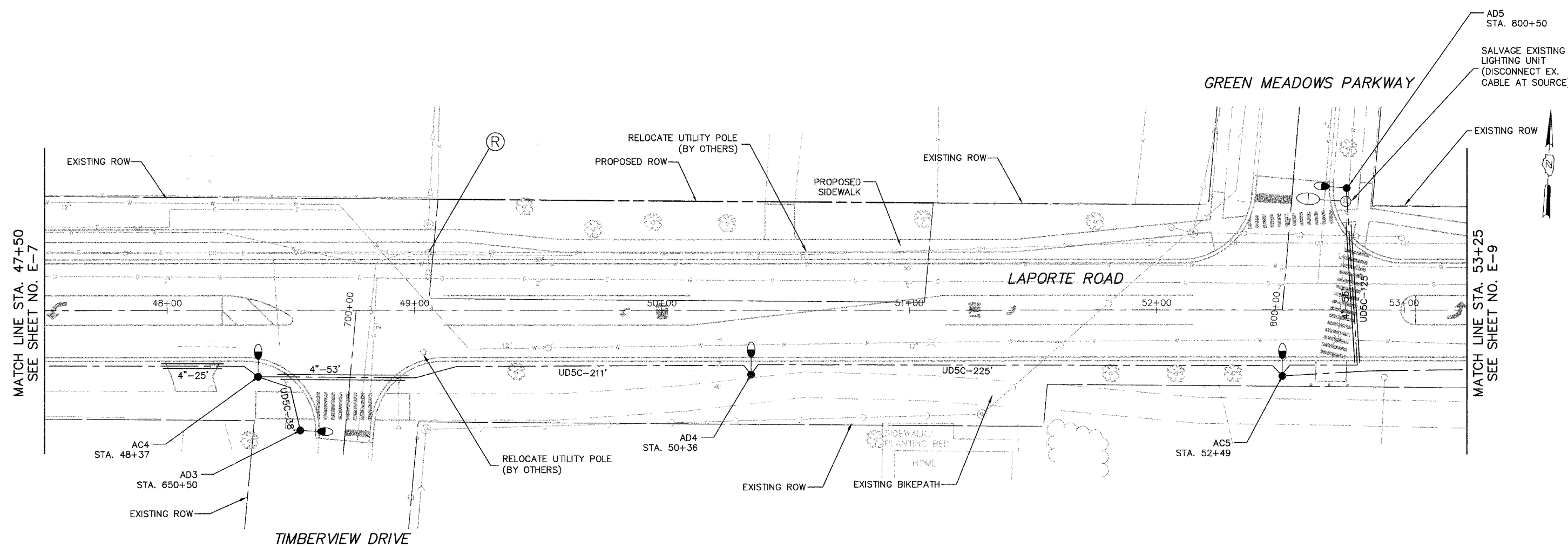
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VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION
 LAPORTE ROAD IMPROVEMENTS
 LIGHTING PLAN
 STATION 41+75 TO 47+25

DESIGN: KDM
 DRAWN: KDM
 CHECKED: JMV
 DATE: DEC. 2005
 SCALE: 1"=20'
 FILE NO.: 3232

PLU1 DATE: Dec 22, 2005 11:51:00 AM
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FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	79
FHWA REGION NO.	ILLINOIS	PROJECT M-	8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	



- LEGEND**
- LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
 - UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
 - EXISTING LIGHT POLE, SIZE AS NOTED
 - UD5C-10' UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYETHYLENE AND LENGTH AS NOTED
 - 4"-10' GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
 - PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
 - PROPOSED SERVICE CONNECTION
 - OFFSET FOUNDATION

- NOTES**
- ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
 - EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-8

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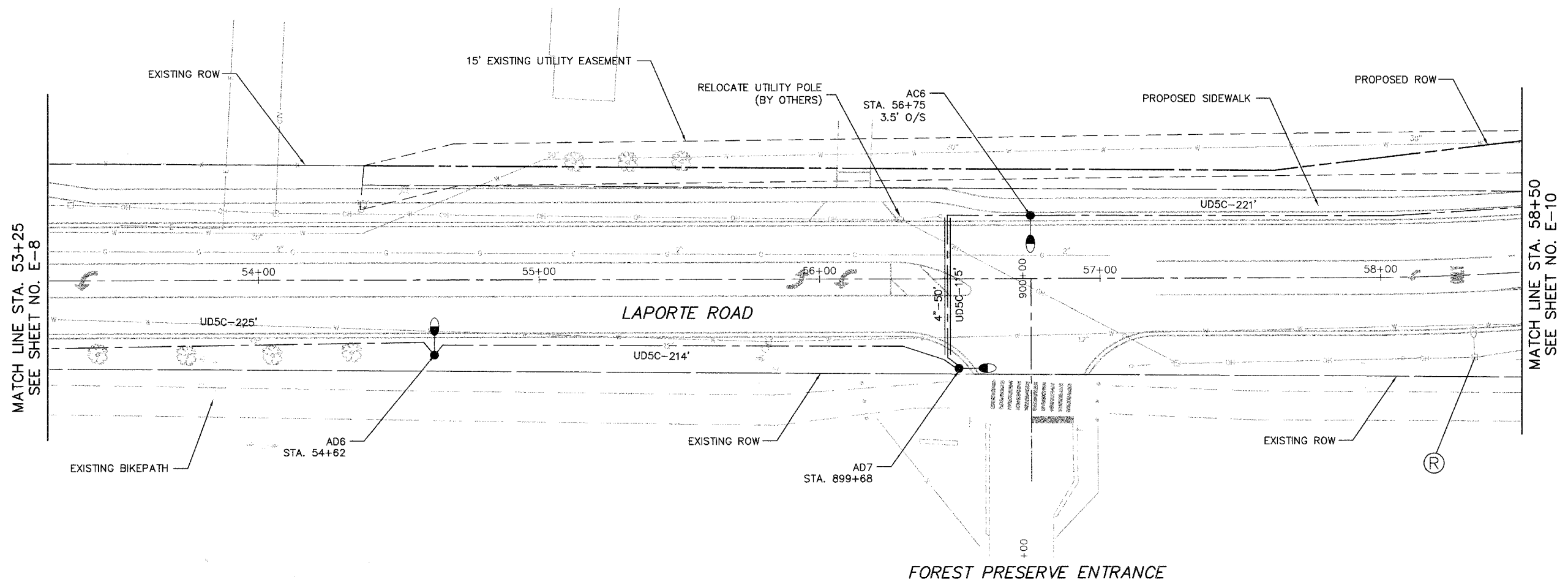
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
LAPORTE ROAD IMPROVEMENTS
LIGHTING PLAN
STATION 47+25 TO 53+25

DESIGN: KDM
DRAWN: KDM
CHECKED: JMV

DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

FILED: 04/11/06 Dec 22, 2005
FILENAME: N:\PROJECTS\2005\Design\Lighting\3232-LIGHT-08.dwg

F.A.M. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	80
PHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



- LEGEND**
- LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
 - UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
 - EXISTING LIGHT POLE, SIZE AS NOTED
 - UD5C-10' UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYTHYLENE AND LENGTH AS NOTED
 - 4"-10' GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
 - PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
 - PROPOSED SERVICE CONNECTION
 - F OFFSET FOUNDATION

- NOTES**
- ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
 - EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

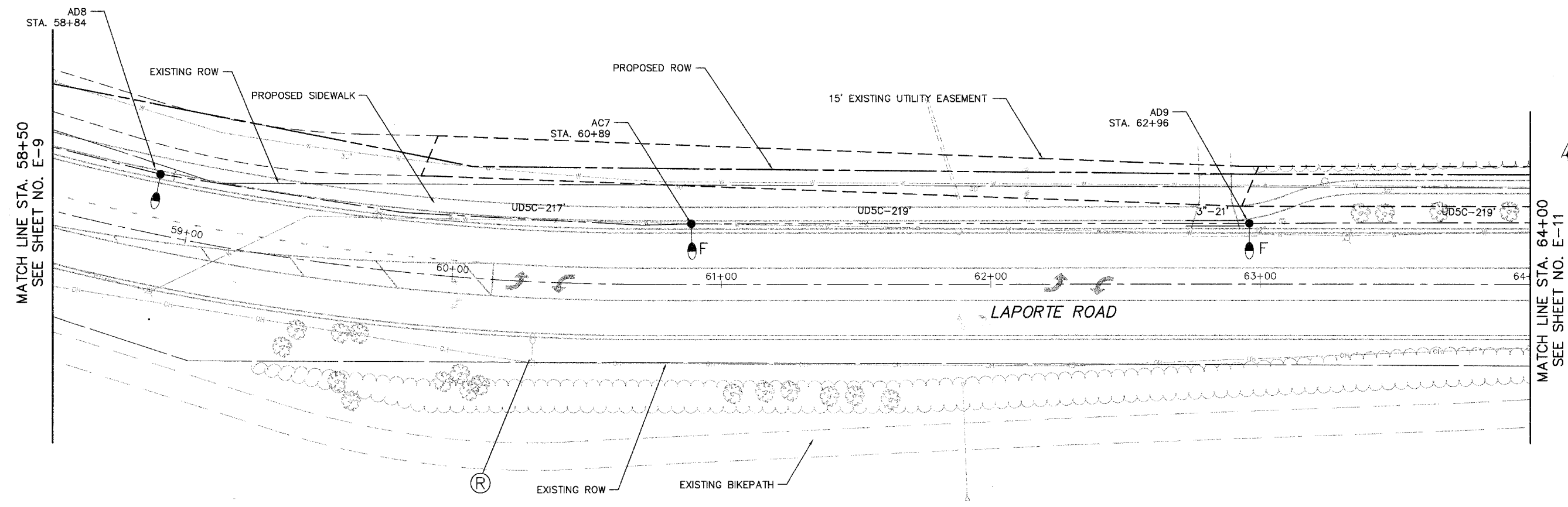
E-9

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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
LAPORTE ROAD IMPROVEMENTS
LIGHTING PLAN
STATION 53+25 TO 58+50

DESIGN: KDM _____ DATE: DEC. 2005
DRAWN: KDM _____ SCALE: 1"=20'
CHECKED: JMV _____ FILE NO.: 3232









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MATCH LINE STA. 58+50
SEE SHEET NO. E-9

MATCH LINE STA. 64+00
SEE SHEET NO. E-11

LEGEND

-  LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
-  UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
-  EXISTING LIGHT POLE, SIZE AS NOTED
-  UD5C-10' UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYTHYLENE AND LENGTH AS NOTED
-  4"-10' GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
-  PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
-  PROPOSED SERVICE CONNECTION
-  F OFFSET FOUNDATION

NOTES

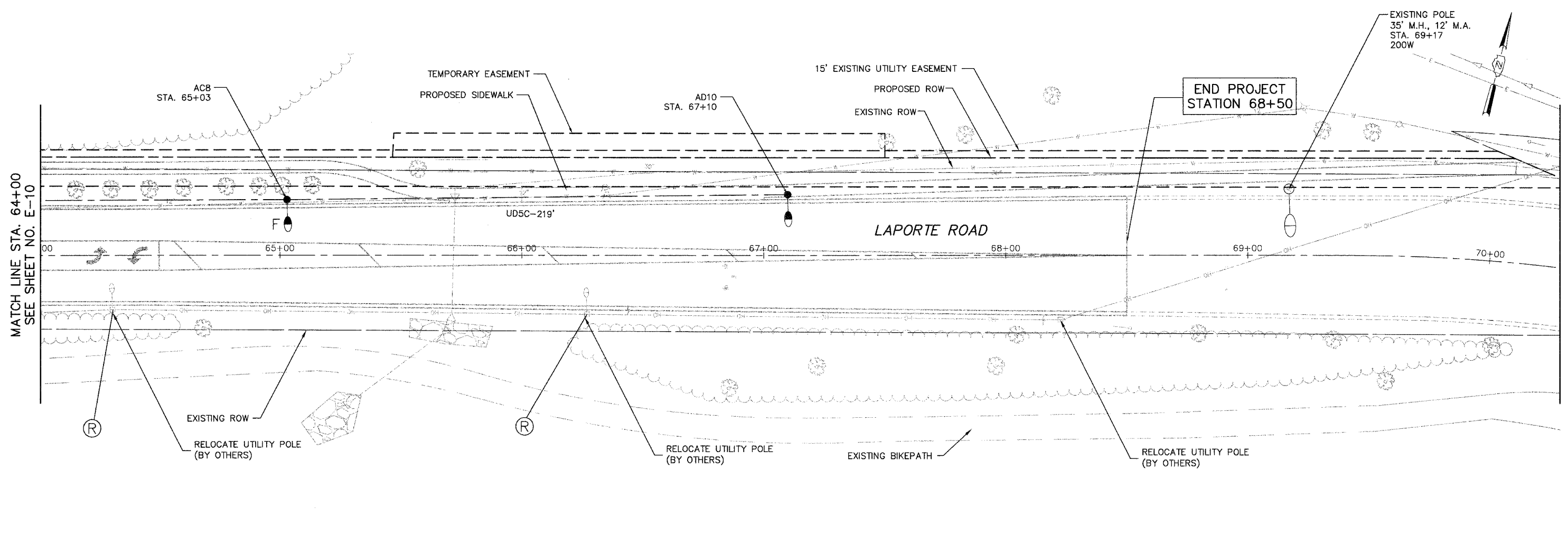
1. ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
2. EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-10

PLU1.DAT, Dec 22, 2005 - 04:17pm
FILENAME: N:\PROJECTS\Design\Lighting\3232-LIGHT-10.dwg

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VILLAGE OF MOKENA LAPORTE ROAD REHABILITATION LAPORTE ROAD IMPROVEMENTS LIGHTING IMPROVEMENTS STATION 58+50 TO 64+00	
DESIGN: <u>KDM</u>	DATE: <u>DEC. 2005</u>
DRAWN: <u>KDM</u>	SCALE: <u>1"=20'</u>
CHECKED: <u>JMV</u>	FILE NO.: <u>3232</u>

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL.	118	82
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



- LEGEND**
- LIGHT POLE, 35' M.H., 10' MAST ARM, AND LUMINAIRE, 200W, UNLESS OTHERWISE NOTED
 - UTILITY POLE MOUNTED MAST ARM, LUMINAIRE TO BE REMOVED BY OTHERS
 - EXISTING LIGHT POLE, SIZE AS NOTED
 - UD5C-10' UNIT DUCT WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND 600V (EPR-TYPE RHW) 1-1/2" POLYTHYLENE AND LENGTH AS NOTED
 - 4"-10' GALVANIZED STEEL CONDUIT, PUSHED, DIAMETER AND LENGTH AS NOTED
 - PROPOSED LIGHTING CONTROLLER, 120/240V, 100A
 - PROPOSED SERVICE CONNECTION
 - F OFFSET FOUNDATION

- NOTES**
- ALL POLES SHALL BE OFFSET 8' FROM EDGE OF PAVEMENT TO CENTER OF POLE, UNLESS OTHERWISE NOTED.
 - EXISTING UTILITY POLE MOUNTED LUMINAIRES SHALL REMAIN IN USE DURING CONSTRUCTION.

E-11

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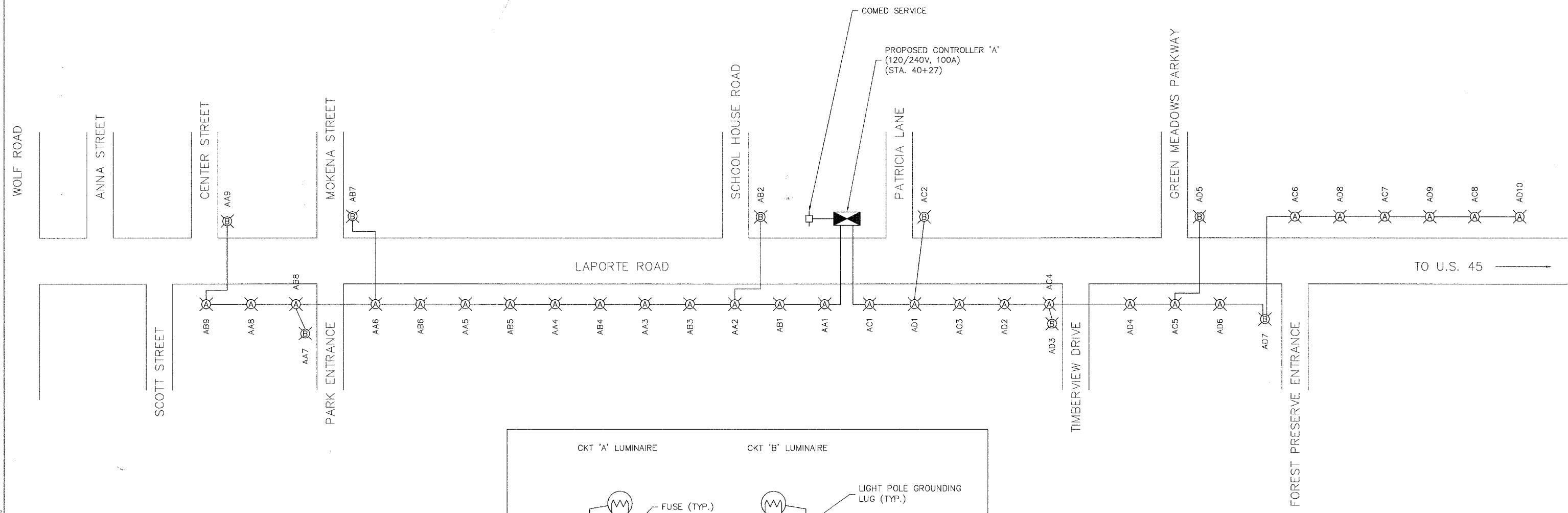
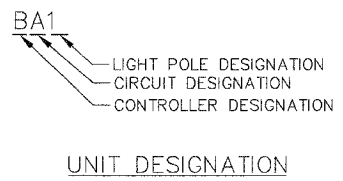
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
LAPORTE ROAD IMPROVEMENTS
LIGHTING PLAN
STATION 64+00 TO 70+29

DESIGN: KDM
DRAWN: KDM
CHECKED: JMV

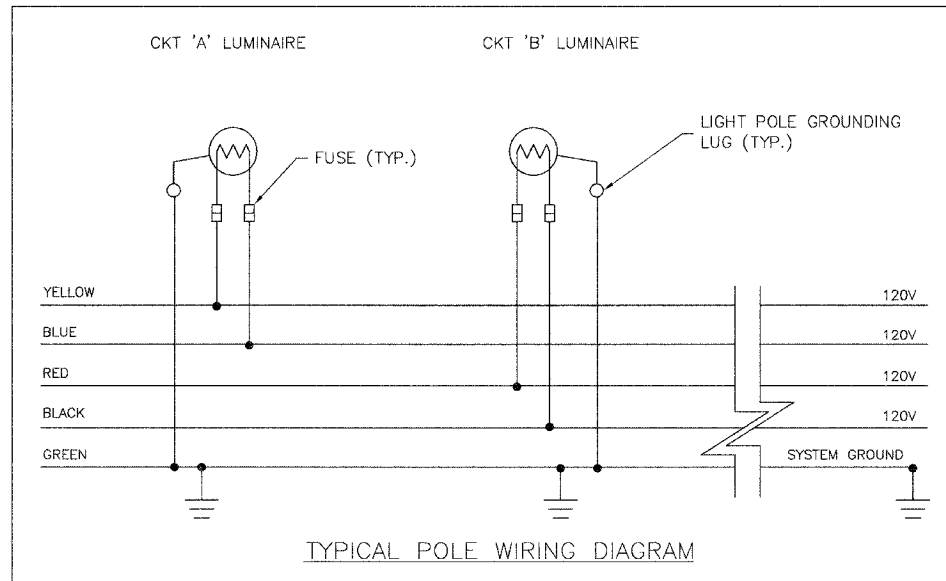
DATE: DEC. 2005
SCALE: 1"=20'
FILE NO.: 3232

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Ckt. #	Description	Phase A (Red) (watts)	Phase B (Black) (watts)
A	2-150W, 7-200W	1032	1032
B	2-150W, 7-200W	1032	1032
C	1-150W, 7-200W	936	936
D	3-150W, 7-200W	1128	1128
Totals:		4128	4128



- LEGEND:**
- 200W HPS LUMINAIRE, 35' M.H., 10' M.A.
 - 150W HPS LUMINAIRE, 35' M.H., 10' M.A.



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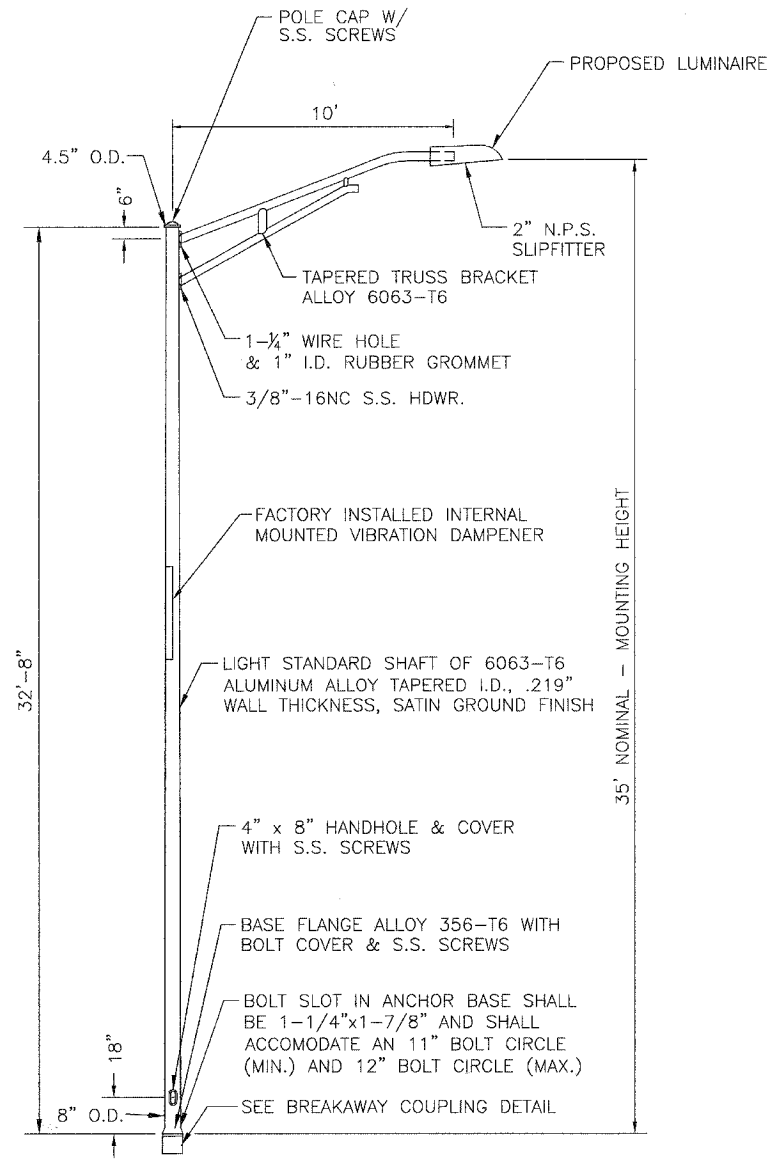
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
SINGLE LINE DIAGRAM

DESIGN: KDM
DRAWN: KDM
CHECKED: JMV

DATE: DEC. 2005
SCALE: NOT TO SCALE
FILE NO.: 3232

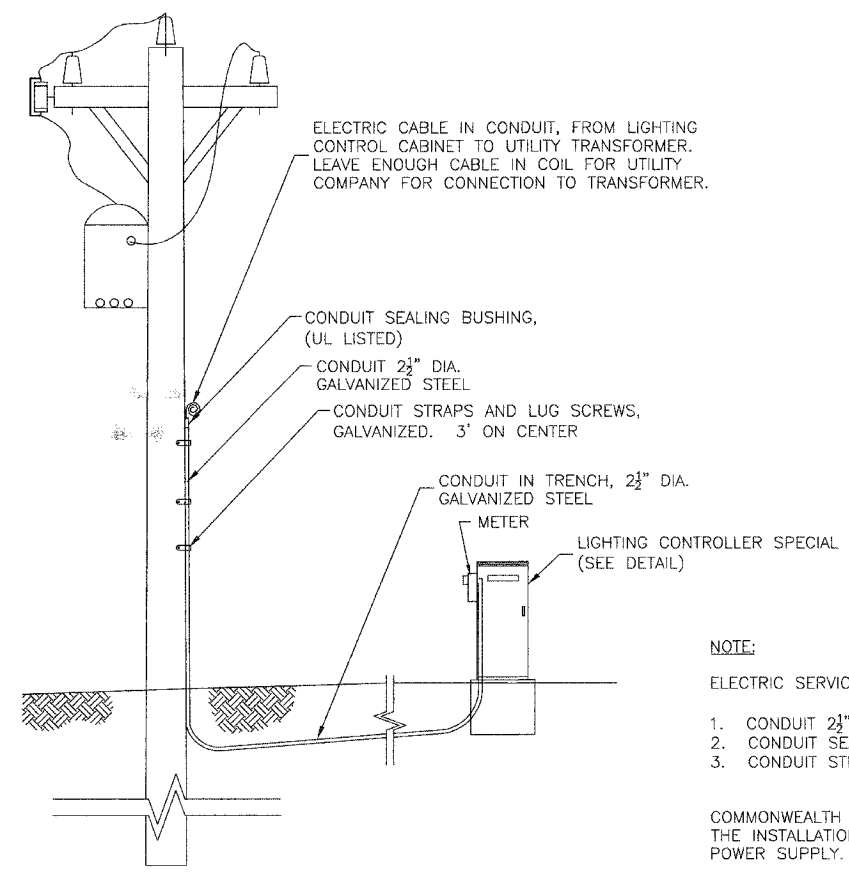
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F.A.N. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	84
FHWA REGION NO.	ILLINOIS	PROJECT M-8003(200)		
* 01-00029-00-FP			CONTRACT NO. 83825	



- NOTES:
- HEAT TREATMENT SHALL BE APPLIED AFTER WELDING.
 - DESIGN SHALL CONFORM WITH AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS FOR 80 MPH WIND LOADINGS WITH A 1.3 GUST LOAD FACTOR.
 - POLES AND ARMS SHALL BE BUILT TO TOLERANCES THAT WILL ALLOW CONSISTENT INTERCHANGIBILITY TO FACILITATE REPLACEMENT OF ARMS AND POLES.

MAST ARM STYLE LIGHTING UNIT
 35' MOUNTING HEIGHT WITH 10' MAST ARM
 NOT TO SCALE



ELECTRIC SERVICE INSTALLATION
 NOT TO SCALE

- NOTE:
- ELECTRIC SERVICE INSTALLATION INCLUDES:
- CONDUIT 2 1/2" DIA. GALVANIZED STEEL
 - CONDUIT SEALING BUSHING, (UL LISTED)
 - CONDUIT STRAPS AND LUG SCREWS, GALVANIZED
- COMMONWEALTH EDISON SHALL BE CONTACTED BEFORE THE INSTALLATION WORK BEGINS FOR THE ELECTRIC POWER SUPPLY.

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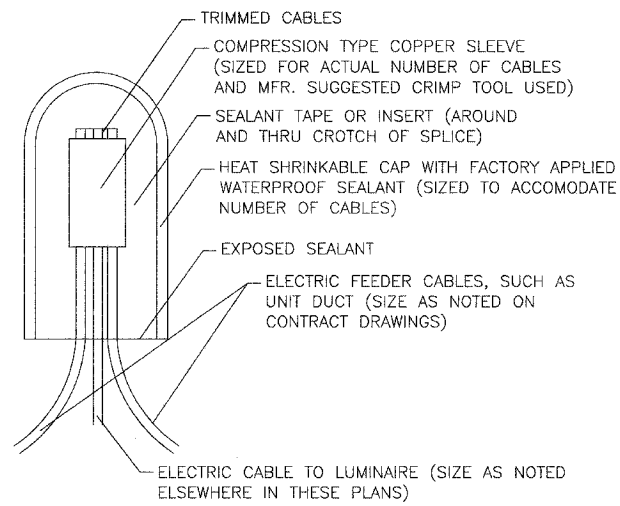
VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

LIGHTING DETAILS

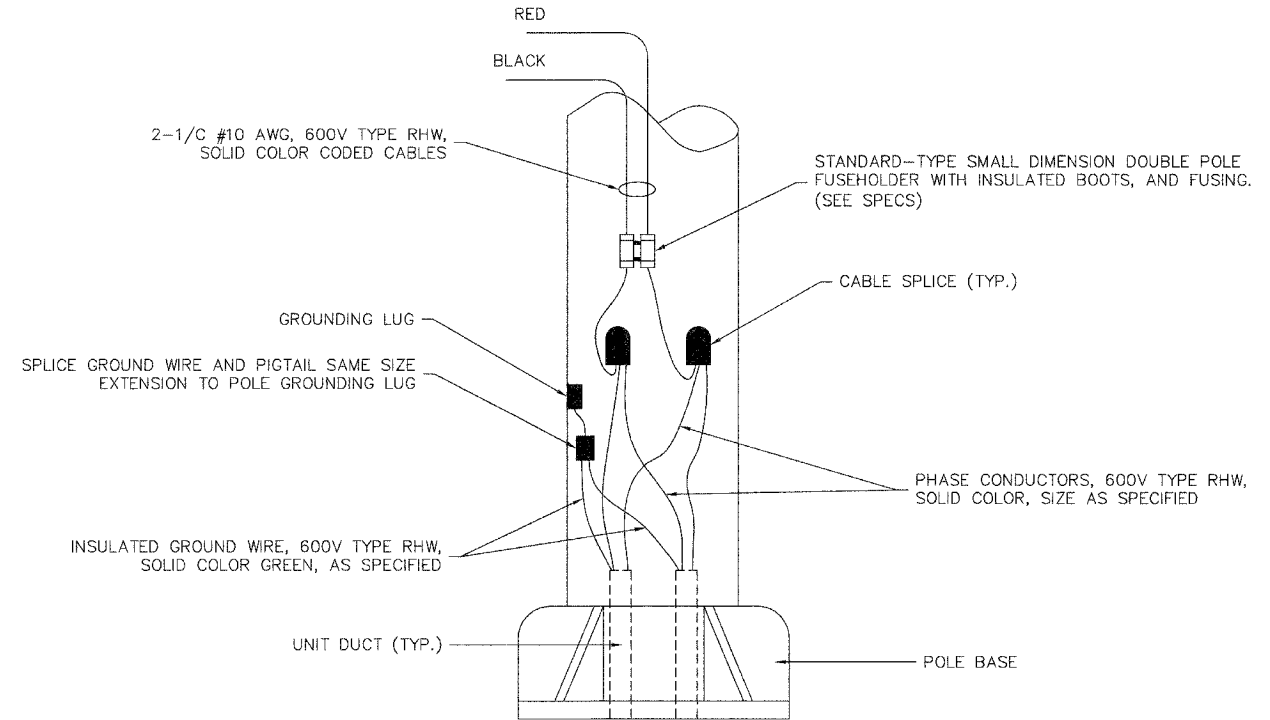
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 FILE NO.: 3232

FAH ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	*	WILL	118	85
FHWA REGION NO.		ILLINOIS	PROJECT M-8003(200)	
* 01-00029-00-FP			CONTRACT NO. 83825	



ELECTRIC CABLE SPLICE DETAIL
NOT TO SCALE



POLE WIRING DETAIL
NOT TO SCALE

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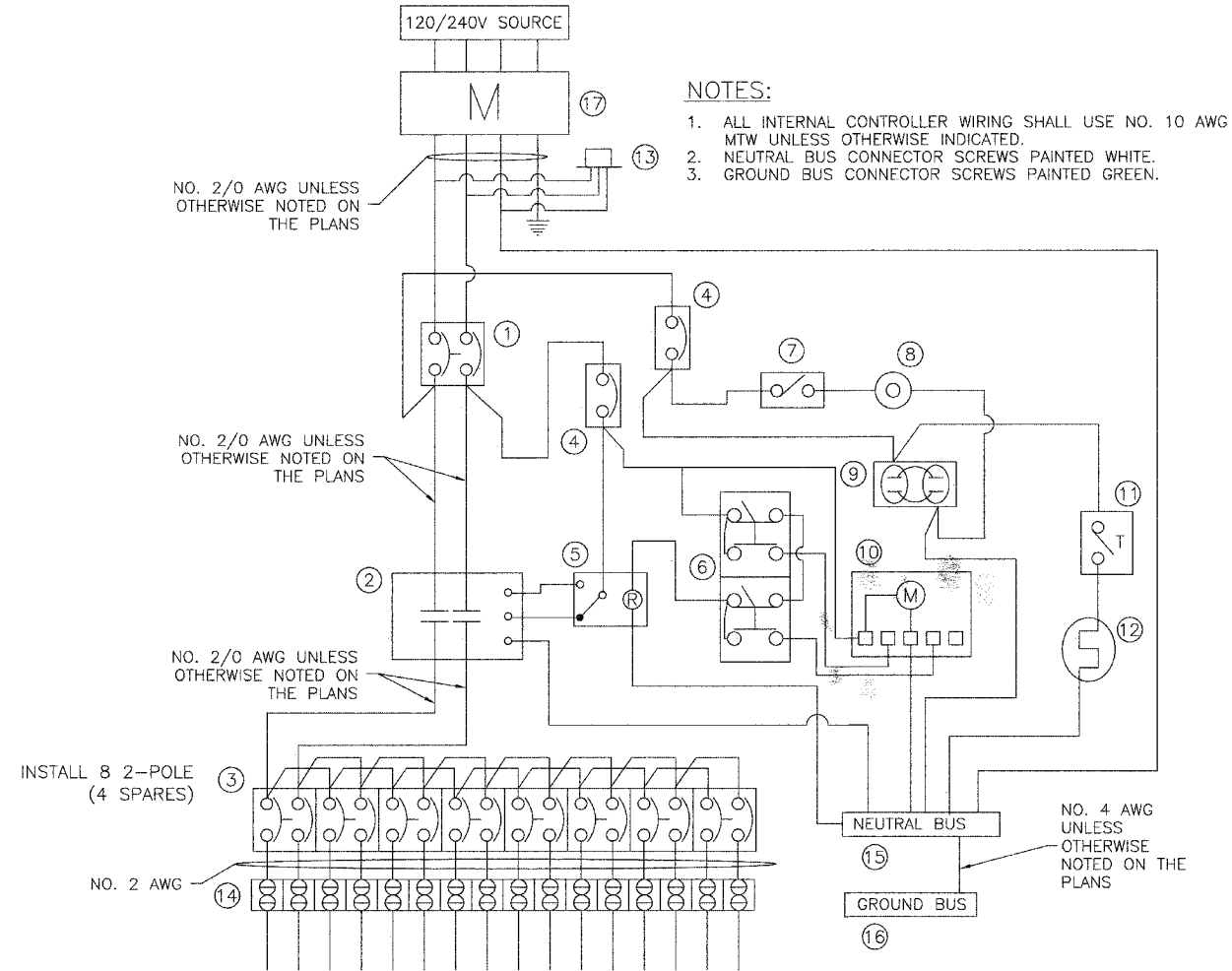
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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

LIGHTING DETAILS

DESIGN: KDM
DRAWN: KDM
CHECKED: JMV

DATE: DEC. 2005
SCALE: NOT TO SCALE
FILE NO.: 3232

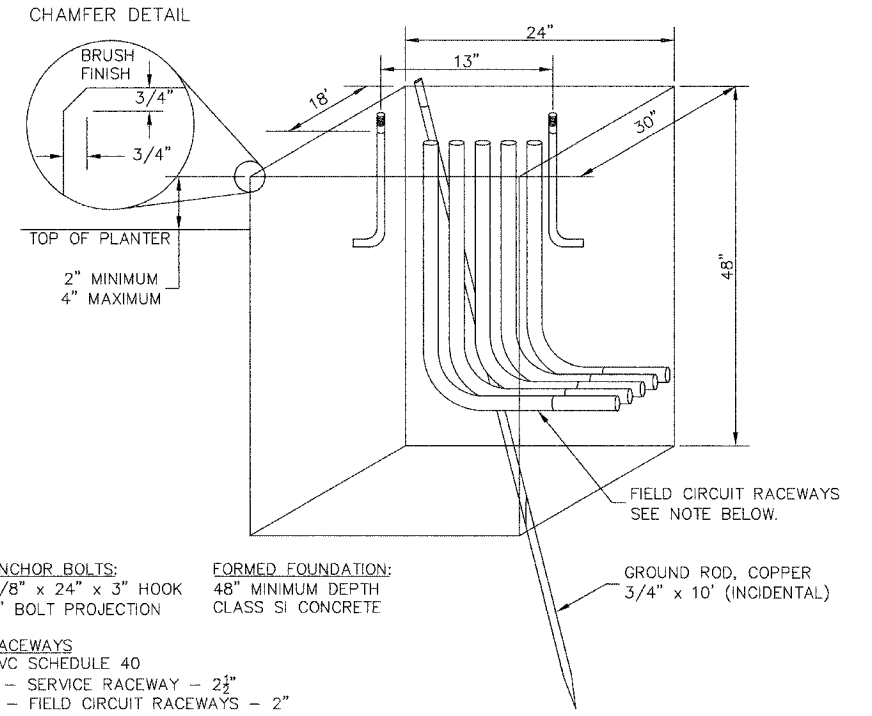
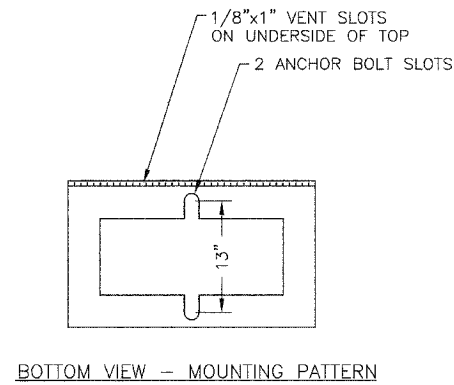


- NOTES:**
1. ALL INTERNAL CONTROLLER WIRING SHALL USE NO. 10 AWG MTW UNLESS OTHERWISE INDICATED.
 2. NEUTRAL BUS CONNECTOR SCREWS PAINTED WHITE.
 3. GROUND BUS CONNECTOR SCREWS PAINTED GREEN.

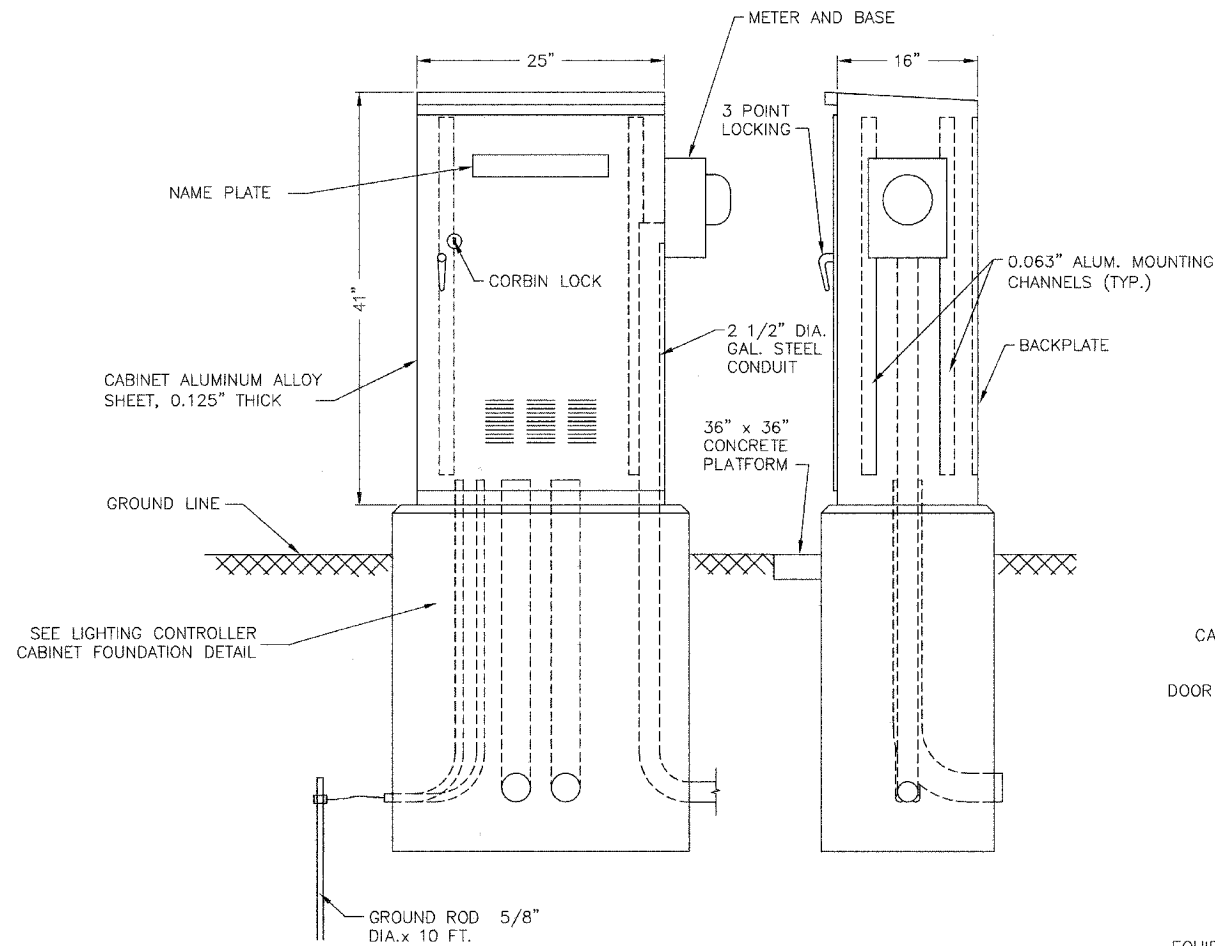
SCHEDULE OF DEVICES

1. MAIN BREAKER 2P, 100A
2. CONTACTOR 2P, 100A, 120V
3. BRANCH BREAKERS, 2P, 30A, 240V
4. CONTROL BREAKER 1P, 20A, 120V
5. CONTROL RELAY 20A, 120V, ON-DELAY
6. H-O-A SWITCH, 120V
7. LIGHT SWITCH
8. LIGHT FIXTURE
9. DUPLEX RECEPTACLE, 20A, GFCI
10. ASTRONOMIC TIME SWITCH
11. THERMOSTAT
12. HEATER STRIP, 150W
13. SURGE SUPPRESSOR
14. TERMINAL BLOCK
15. NEUTRAL BUS
16. GROUND BUS
17. CECHA APPROVED METER HOUSING

LIGHTING CONTROLLER WIRING DIAGRAM
NOT TO SCALE



LIGHTING CONTROLLER CABINET FOUNDATION
NOT TO SCALE



LIGHTING CONTROLLER CABINET
NOT TO SCALE

LIGHTING CONTROLLER CABINET NOTES

- PERFORMANCE - THE ENCLOSURE WILL MEET OR EXCEED THE REQUIREMENTS OF A NEMA 3R RATING AND SHALL BE U.L. LISTED.
- MATERIAL - CABINET AND DOOR TO BE CONSTRUCTED FROM 5052 H32 SHEET ALUMINUM ALLOY WITH A THICKNESS OF .125". ALL WELDS TO BE HELIARC AND SHALL BE FORMED AND FREE OF CRACKS, BLOW HOLES, AND OTHER DEFECTS. ALL EDGES TO BE FREE OF BURRS.
- CABINET FEATURES - CABINET TOP SLOPES 1/2" TO THE REAR, WITH 1/8" x 1" SLOTS UNDER FRONT OVERHANG.
- DOOR AND HARDWARE - THE CABINET DOOR SHALL BE HINGED ON THE RIGHT SIDE WHEN FACING THE FRONT OF THE CABINET AND HAS A CELLULAR NEOPRENE GASKET, WHICH IS WEATHER TIGHT. THE DOOR IS ALSO EQUIPPED WITH A TWO POSITION DOOR STOP, ONE AT 90 DEGREES AND ONE AT 120 DEGREES. HINGE IS 2" OPEN AND IS CONTINUOUS 14 GAUGE STAINLESS STEEL WITH A 1/4" DIA. PIN AND IS CAPPED AT THE TOP TO RENDER IT TAMPER PROOF. THE HINGE IS SECURED WITH 1/4"-20 STAINLESS STEEL CARRIAGE BOLTS AND ESNA LOCK NUTS. THE LATCHING MECHANISM IS A THREE POINT DRAW ROLLER TYPE WHICH SECURES THE DOOR AT THE TOP, CENTER, AND BOTTOM. LOCKING RODS ARE 1/4" x 3/4" ALUMINUM TURNED EDGEWISE WITH 1" NYLON ROLLERS AND THE CENTER CATCH IS STAINLESS STEEL. THE DOOR HANDLE IS 3/4" DIA. STAINLESS STEEL AND HAS A PADLOCK HASP. AN ALL BRASS CORBIN LOCK WITH TWO KEYS IS ALSO FURNISHED. LOUVER INCLUDED IN LOWER HALF OF THE DOOR FOR VENTILATION.
- EQUIPMENT MOUNTING - THE CABINET SHALL BE EQUIPPED WITH TWO ADJUSTABLE "L" MOUNTING CHANNELS WELDED TO EACH SIDE WALL AND THE BACK WALL ALLOWING FULL ADJUSTMENT OF SHELVES OR PANELS.
- CABINET FINISH - THE OUTSIDE SURFACE OF THE CABINET SHALL HAVE A BLACK POWDER COAT FINISH.

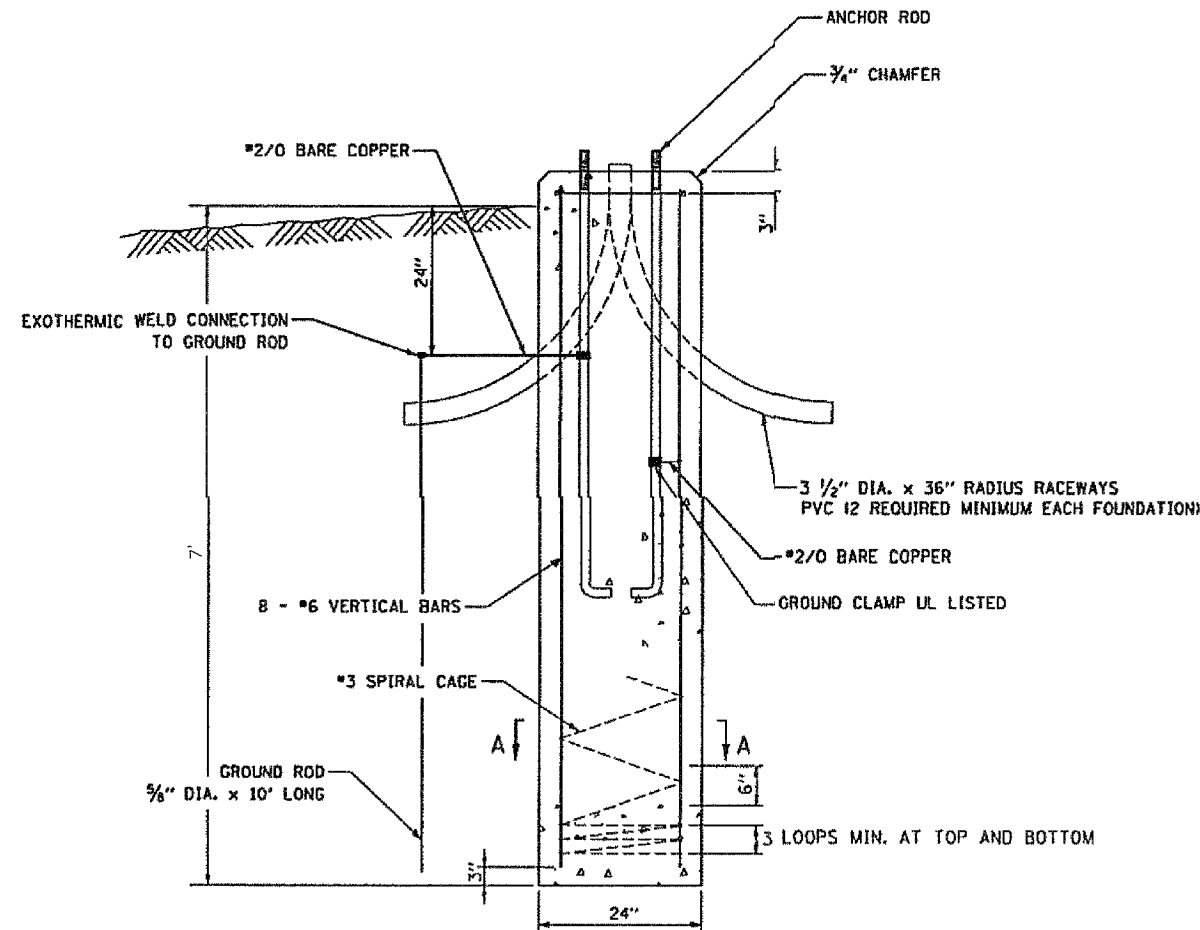
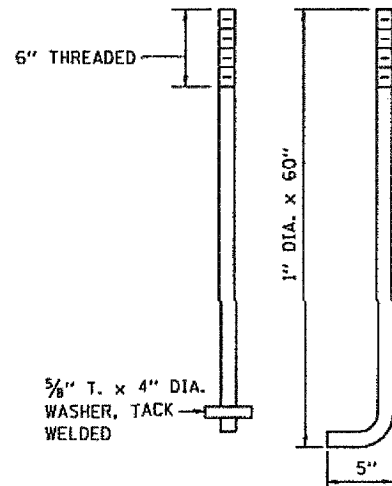
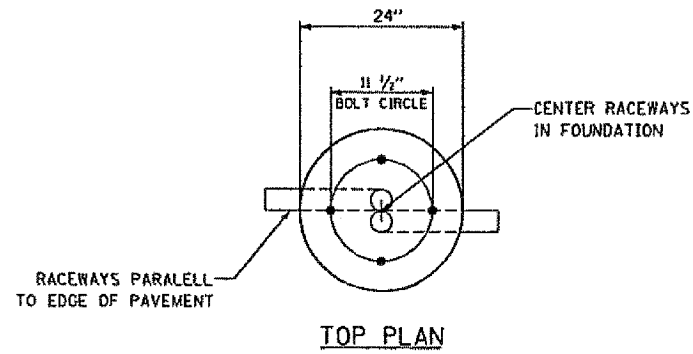
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VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

LIGHTING DETAILS

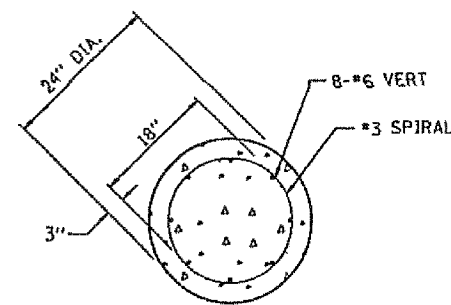
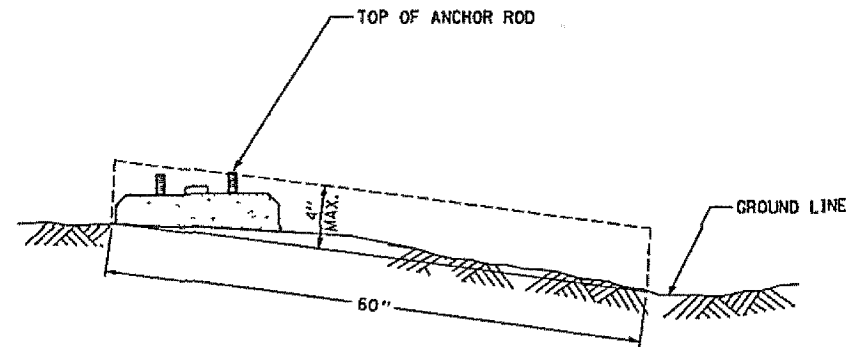
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CHECKED: JMV

DATE: DEC. 2005
SCALE: NOT TO SCALE
FILE NO.: 3232



NOTES:

1. ALL DIMENSIONS ARE SHOWN IN INCHES, UNLESS NOTED OTHERWISE.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE SECURED IN THE PROPER LOCATION BEFORE PLACEMENT OF THE CONCRETE.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 INCHES ABOVE THE FINISHED GRADE WITHIN A 60 INCH CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER OF THE SAME DIAMETER OF THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4 INCH.
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 102D.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN FOUR TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F 1554 GRADE 105. NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS, AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER HOT-DIPPED PROCESS CONFORMING TO AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 6 MILS, OR THE ELECTROLYTIC PROCESS ACCORDING TO AASHTO F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES WITH A MINIMUM OF 3 INCHES OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2 3/4" ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES AT 12" ON CENTER WITH APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATIONS SHALL BE BACKFILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.



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 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4006 Fax 773.775.4014 Email chicago@ciorba.com

VILLAGE OF MOKENA
 LAPORTE ROAD REHABILITATION

LIGHTING DETAILS

DESIGN: KDM
 DRAWN: KDM
 CHECKED: JMV

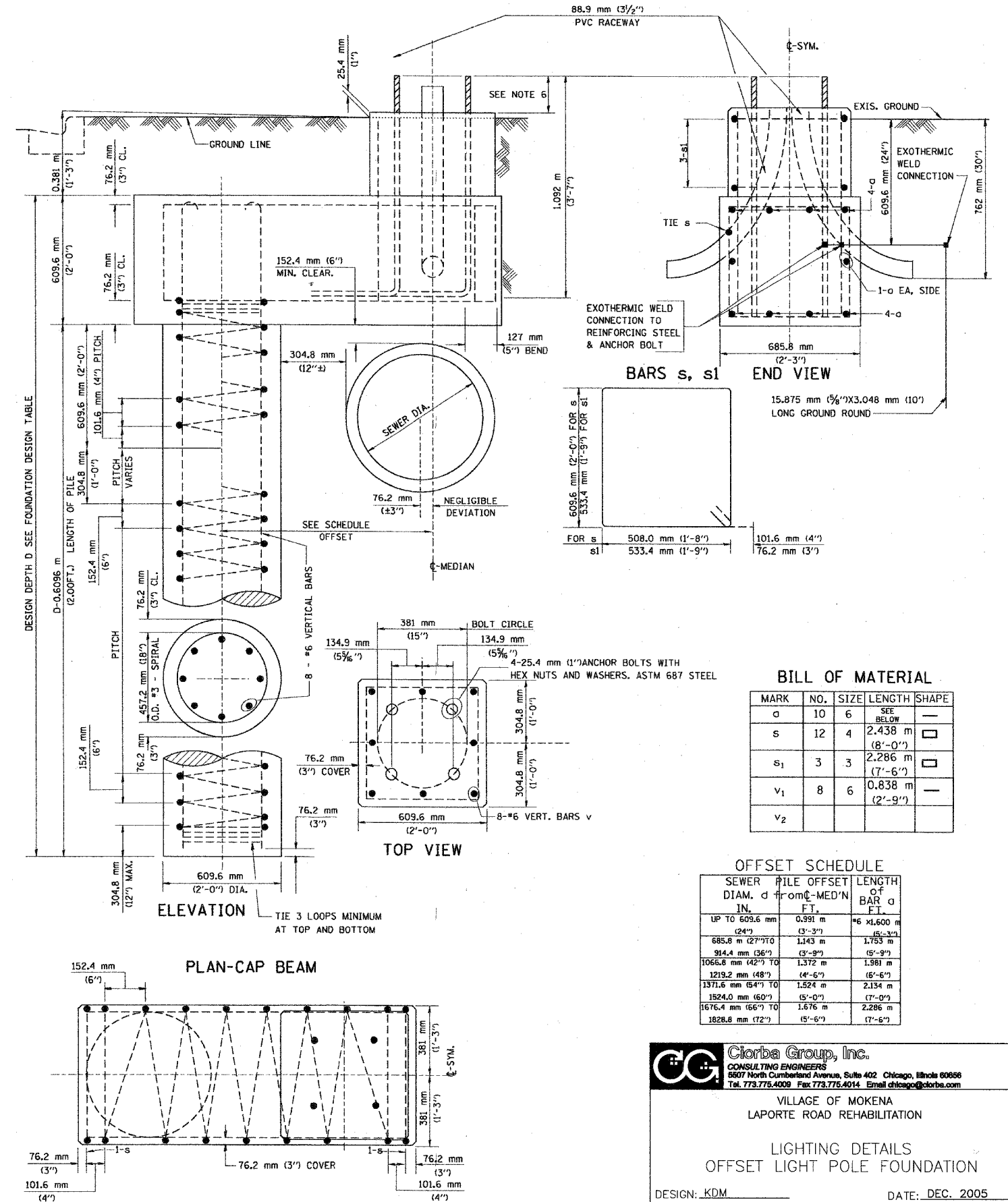
DATE: DEC. 2005
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 FILE NO.: 3232

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	3.962 m (13'-0")	4.572 m (15'-0")	8-#6X3.810 m (12'-6")	*3X37.186 m (122')	8-#6X4.343 m (14'-3")	*3X42.977 m (141')
MEDIUM CLAY	2.896 m (9'-6")	3.277 m (10'-9")	8-#6X2.743 m (9'-0")	*3X27.432 m (90')	8-#6X3.048 m (10'-0")	*3X30.480 m (100')
STIFF CLAY	2.134 m (7'-0")	2.438 m (8'-0")	8-#6X1.981 m (6'-6")	*3X20.112 m (66')	8-#6X2.286 m (7'-6")	*3X23.165 m (76')
LOOSE SAND	2.743 m (9'-0")	3.048 m (10'-0")	8-#6X2.591 m (8'-6")	*3X25.908 m (85')	8-#6X2.896 m (9'-6")	*3X28.651 m (94')
MEDIUM SAND	2.515 m (8'-3")	2.743 m (9'-0")	8-#6X2.438 m (8'-0")	*3X23.774 m (78')	8-#6X2.591 m (8'-6")	*3X25.908 m (85')
DENSE SAND	2.362 m (7'-9")	2.743 m (9'-0")	8-#6X2.286 m (7'-6")	*3X22.250 m (73')	8-#6X2.591 m (8'-6")	*3X25.908 m (85')
ROCK OR SOLIDIFIED SLAG	1.524 m (5'-0")	1.524 m (5'-0")	NONE	NONE	NONE	NONE

NOTES

- THE ENGINEER WILL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF THE FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION MUST BE MADE WITH AN AUGER, 24" OR 30" IN DIAMETER.
- THE ANCHOR MUST BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT IS NOT ALLOWED.
- THE ANCHOR BOLTS AND RACEWAYS MUST BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ENTIRE LENGTH OF THE ANCHOR BOLTS, AS WELL AS THE NUTS AND WASHERS, MUST BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A 153.
- THE CONTRACTOR MUST COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE THE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT A BREAKAWAY DEVICE, ANCHOR BOLTS MUST PROJECT 3" ABOVE TOP OF FOUNDATION. THE CONTRACTOR MUST CONFIRM ANCHOR BOLT EXTENSION WITH ENGINEER.
- THE CONTRACTOR MUST COORDINATE THE ANCHOR BOLT CIRCLE WITH THE LIGHT POLE MANUFACTURER'S RECOMMENDATIONS.
- RACEWAYS MUST PROJECT 1" ABOVE THE TOP OF FOUNDATION.
- CONCRETE SHALL BE CLASS "SI". CONCRETE FOUNDATIONS MUST BE CURED FOR TEN (10) DAYS BEFORE THE LIGHT STANDARD IS ERECTED.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT STANDARD IS ERECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	2.438 m (8'-0")	□
s ₁	3	3	2.286 m (7'-6")	□
v ₁	8	6	0.838 m (2'-9")	—
v ₂				

OFFSET SCHEDULE

SEWER PILE OFFSET DIAM. d FROM C-MED'N IN.	LENGTH OF BAR a FT.	LENGTH OF BAR a FT.
UP TO 609.6 mm (24")	0.391 m (1'-3")	*6 x 1.600 m (5'-3")
685.8 mm (27 1/8")	1.143 m (3'-9")	1.753 m (5'-9")
914.4 mm (36")	1.372 m (4'-6")	1.981 m (6'-6")
1066.8 mm (42")	1.524 m (5'-0")	2.134 m (7'-0")
1219.2 mm (48")	1.676 m (5'-6")	2.286 m (7'-6")
1371.6 mm (54")	1.828 m (6'-0")	2.438 m (8'-0")
1524.0 mm (60")	1.980 m (6'-6")	2.590 m (8'-6")
1676.4 mm (66")	2.132 m (7'-0")	2.742 m (9'-0")
1828.8 mm (72")	2.284 m (7'-6")	2.894 m (9'-6")

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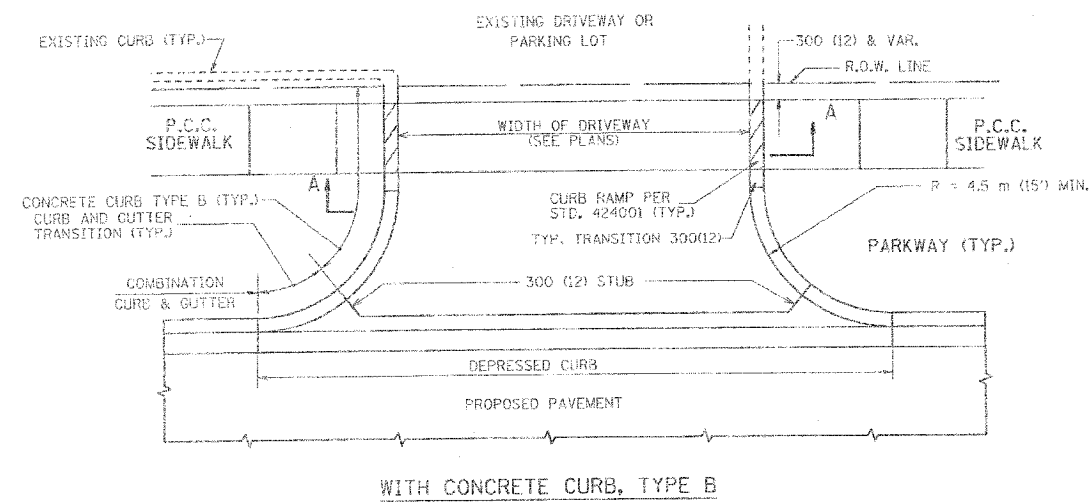
VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION

LIGHTING DETAILS
OFFSET LIGHT POLE FOUNDATION

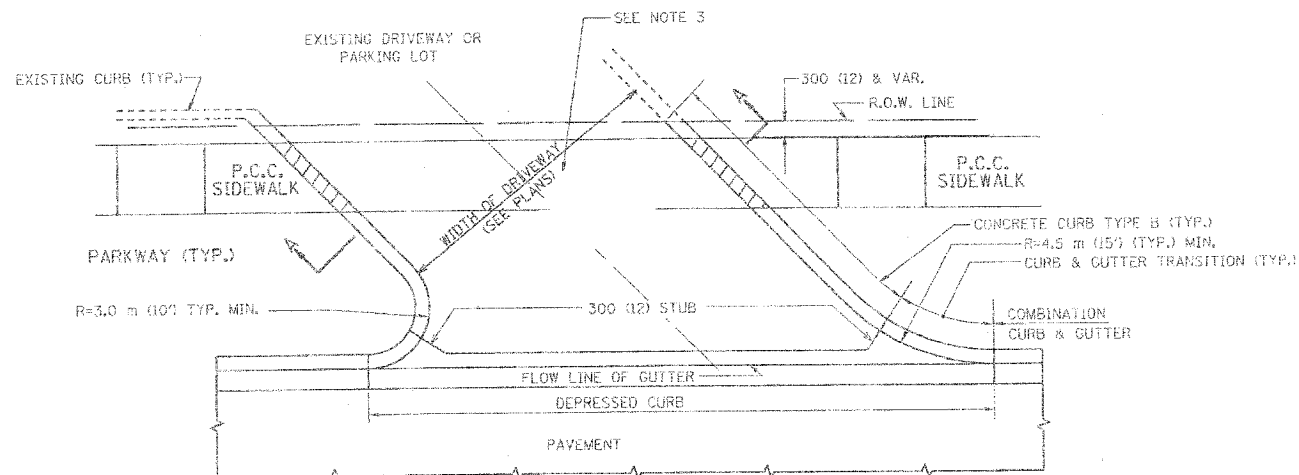
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CHECKED: JMV
DATE: DEC. 2005
SCALE: NONE
FILE NO.: 3232

P. & S. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FILE NO. 001, PG. 7	ELONG	RES. AC. DRAWING		

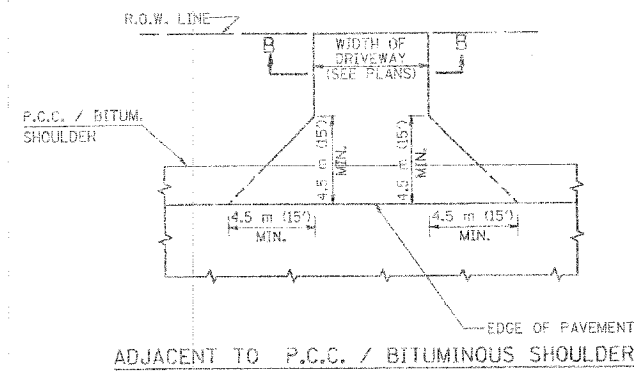
CONTRACT NO. 83825



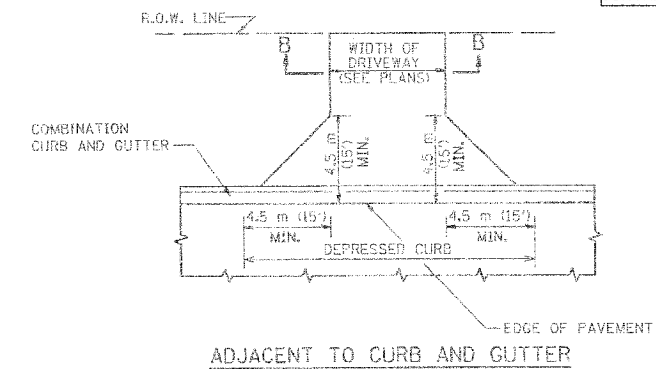
WITH CONCRETE CURB, TYPE B



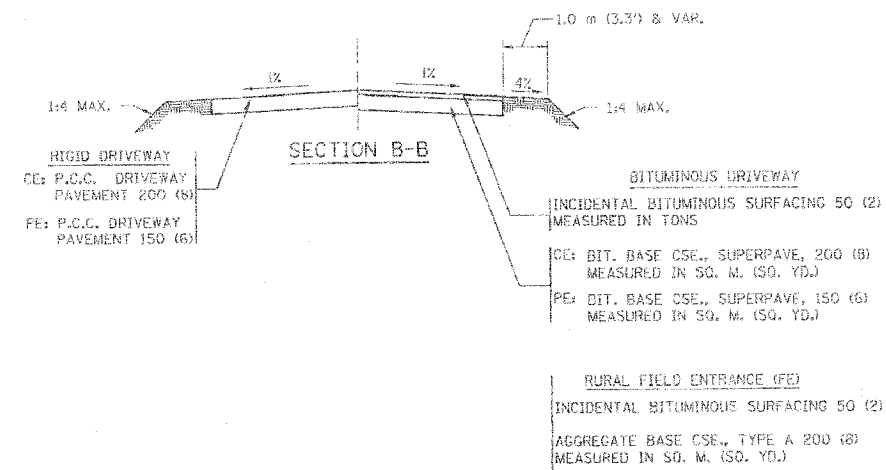
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / BITUMINOUS SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

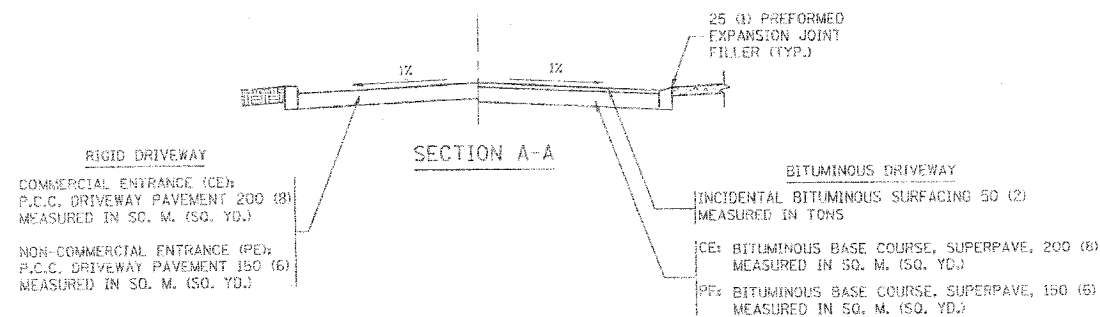
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 1.2 METERS (4 FEET) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 200 (8)
 MEASURED IN SQ. M. (SQ. YD.)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 150 (6)
 MEASURED IN SQ. M. (SQ. YD.)

BITUMINOUS DRIVEWAY
 INCIDENTAL BITUMINOUS SURFACING 50 (2)
 MEASURED IN TONS
 CE: BITUMINOUS BASE COURSE, SUPERPAVE, 200 (8)
 MEASURED IN SQ. M. (SQ. YD.)
 PE: BITUMINOUS BASE COURSE, SUPERPAVE, 150 (6)
 MEASURED IN SQ. M. (SQ. YD.)

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

ILLINOIS DEPARTMENT OF TRANSPORTATION

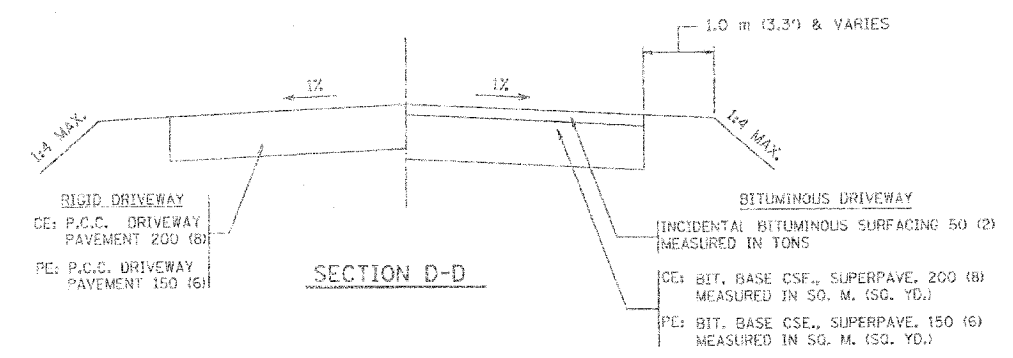
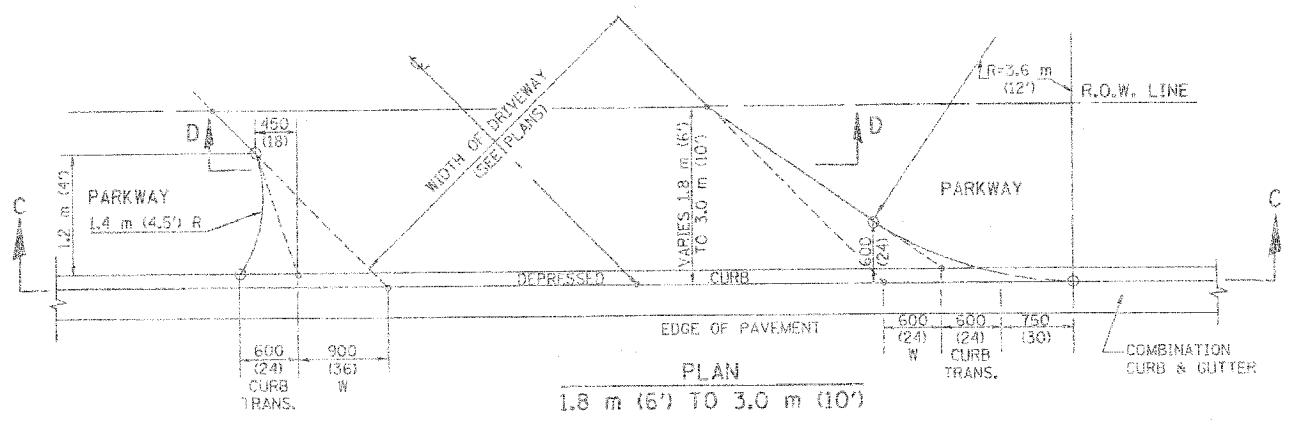
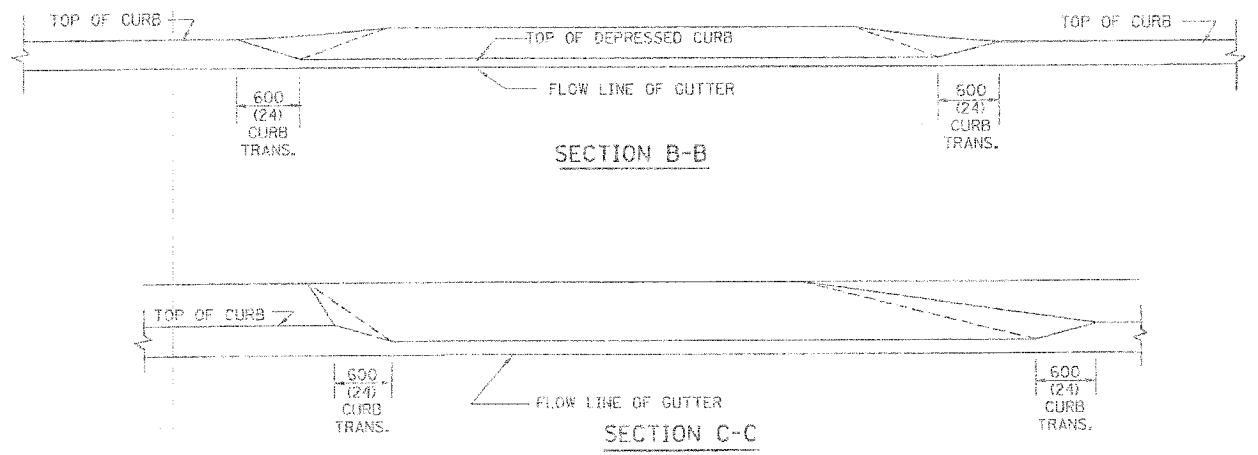
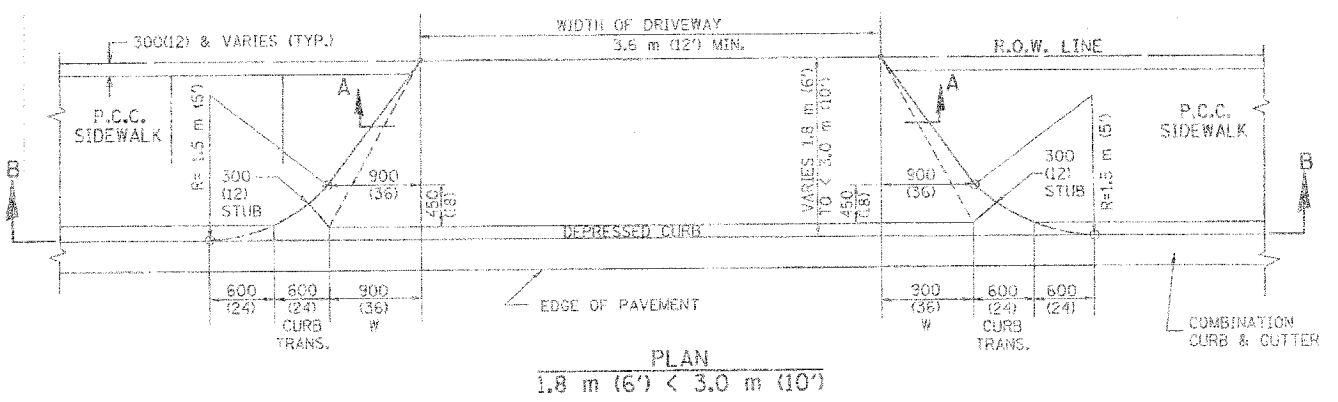
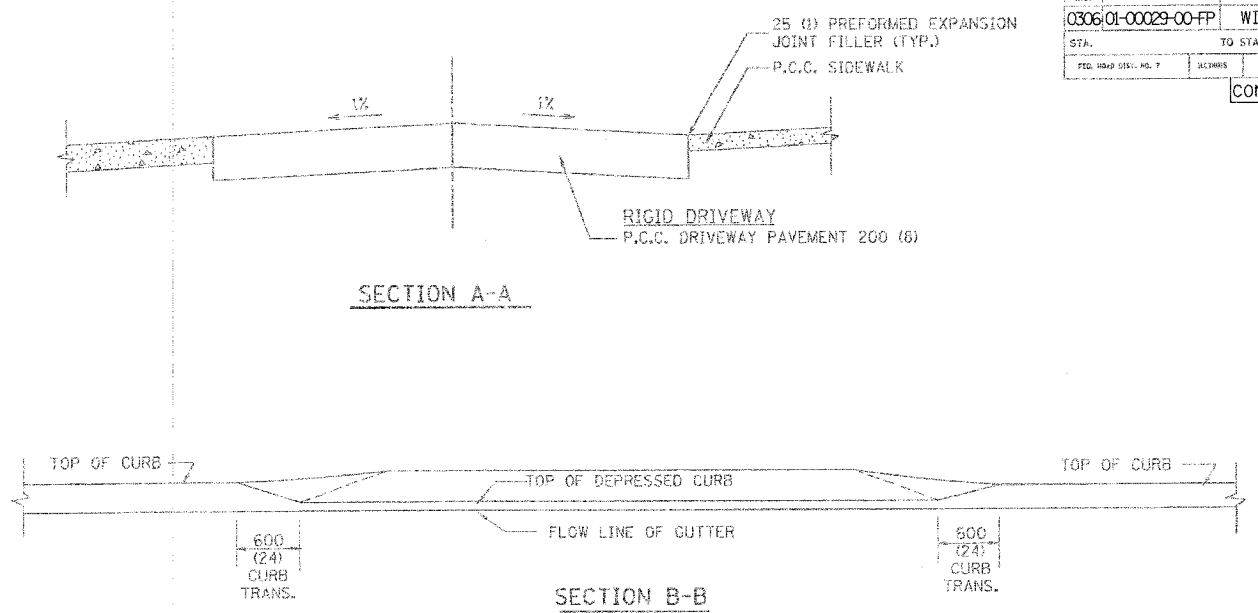
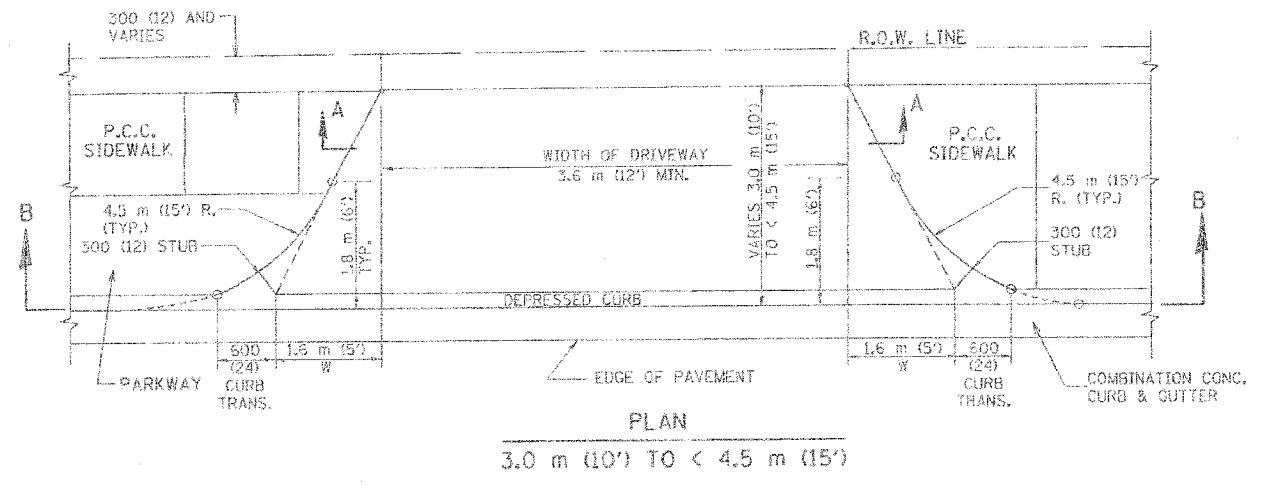
DRIVEWAY DETAILS
 DISTANCE BETWEEN R.O.W. AND FACE OF CURB / EDGE OF SHOULDER >= 4.5 m (15')

REVISIONS	
NAME	DATE
R. SHAH	08-05-95
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-05-01

SCALE: NONE
 DATE PLOTTED: 12/13/01
 DRAWN BY: SG
 CHECKED BY: JFF

BD400-01 (BD-01)

SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
0306-01-00029-00-FP	WILL	118	90
STA.	TO STA.		
200.000 (0.00)	200.000 (0.00)	CONTRACT NO. 83825	



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 2.4 M (8'), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS, SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 900 (36) TO 1.5 m (5 FT.) PROPORTIONAL TO THE LENGTH (L), FROM 1.8 m (6 FT.) TO 3 m (10 FT.).

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

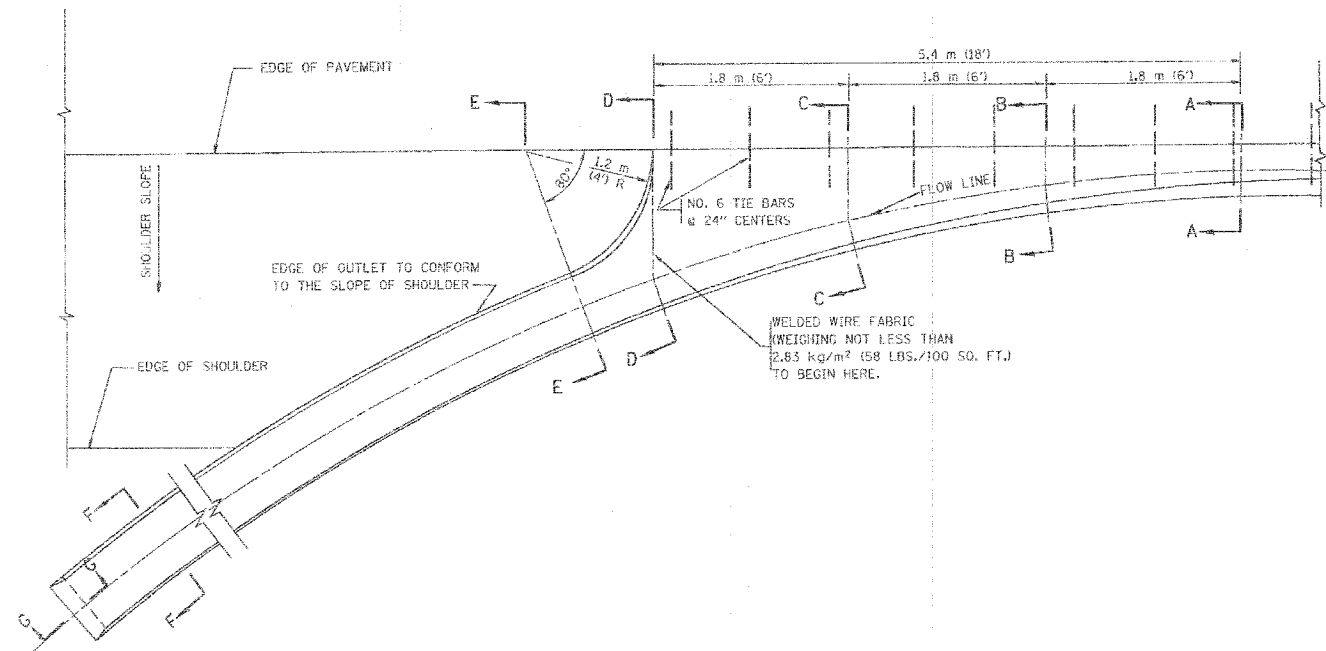
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS

DISTANCE BETWEEN ROW AND FACE OF CURB < 4.5 m (15')

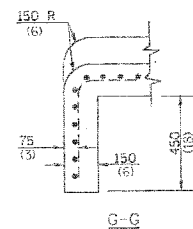
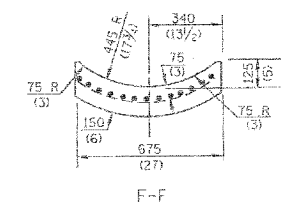
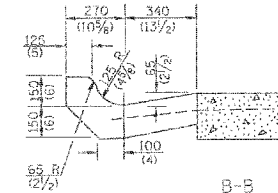
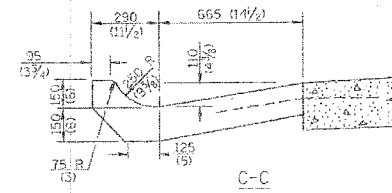
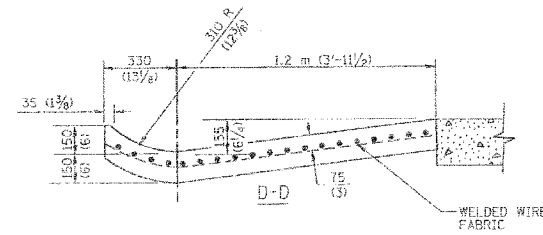
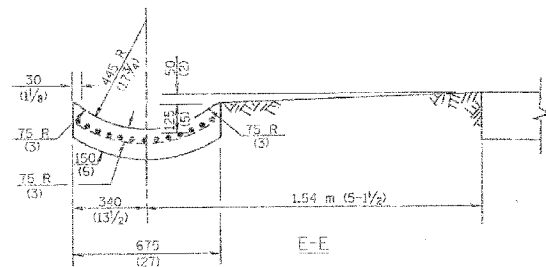
REVISIONS	
NAME	DATE
M. COMEZ	04/06/01
R. SHAH	08/06/95
R. SHAH	11/05/95
J. POLLASTRINI	08/12/95
J. POLLASTRINI	12/14/95
A. ABBAS	03/21/97
T. HOLTZ	04/08/97

SCALE: NONE
DATE PLOTTED: 12/13/01
DRAWN BY: SG
CHECKED BY: JFP

C. & L. FIG.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	01-00029-00-FP	WILL	118	91
STA.		TO STA.		
FED. ROAD DIST. NO. 7		FED. AID PROJECT		
CONTRACT NO. 83825				



* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 506001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B 15.60 (B-6.24) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

THE BARS SHALL BE NO. 20 (NO.6) AT 600 (24) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 1.8 m (6') FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO F-F AND CURTAIN WALL:
 0.96 m³ (1.25 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 225 (9) PAV'T.
 0.97 m³ (1.27 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 250 (10) PAV'T.
 FOR SECTION F-F:
 0.03 m³ (0.045 CU. YDS.) CLASS SI CONCRETE PER M (3 FT.).

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

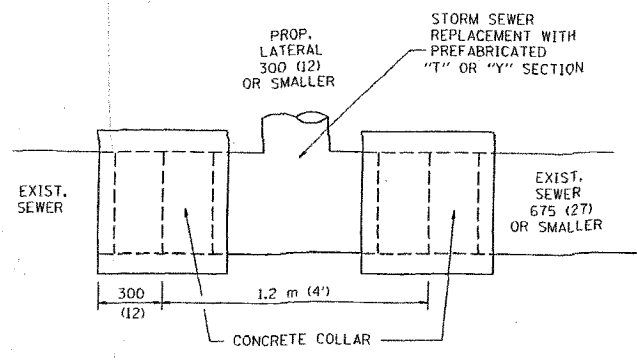
ILLINOIS DEPARTMENT OF TRANSPORTATION

OUTLET FOR CONCRETE CURB AND GUTTER

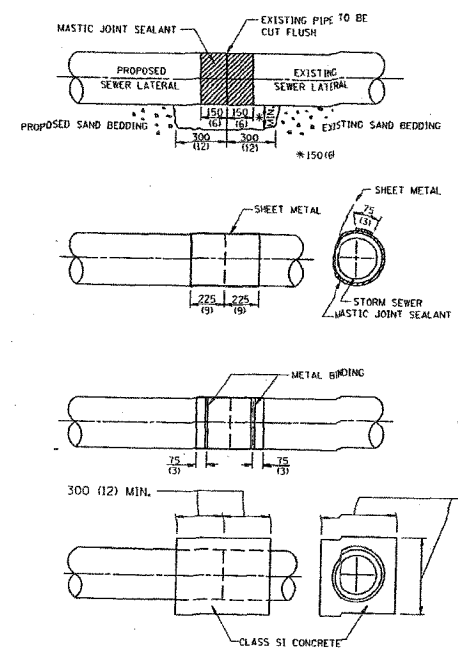
REVISIONS	
NAME	DATE
M. DE YONG	8/4/86
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	12/21/99

SCALE: NONE
 DATE: 12/13/01
 DRAWN BY:
 CHECKED BY:

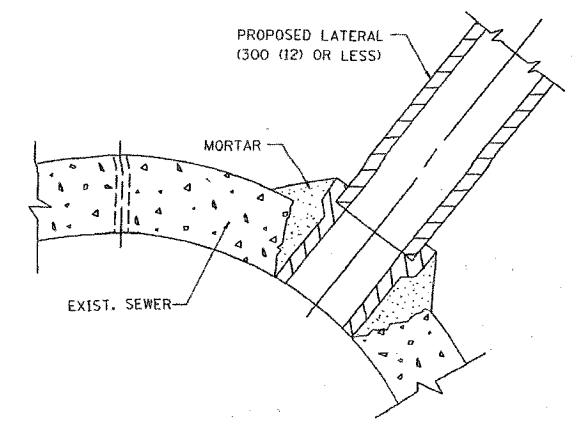
BD600-01 (BD-03)



DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 675 (27) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR



DETAIL "C"
PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 750 (30) OR LARGER

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 150 (6) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 300 x 150 (12 x 6) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 450 (18) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 75 (3) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 225 (9) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 75 (3) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
 - CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER SEE DETAIL "C".
- IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

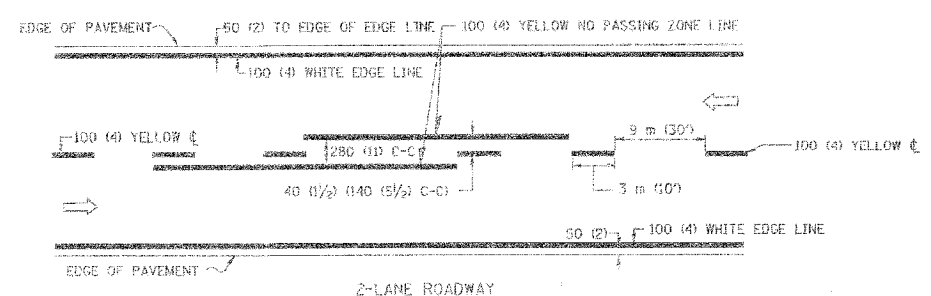
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

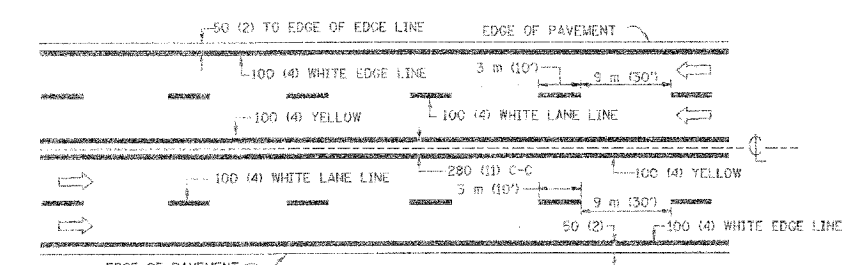
ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

SCALE: NONE
DATE 10/18/2002

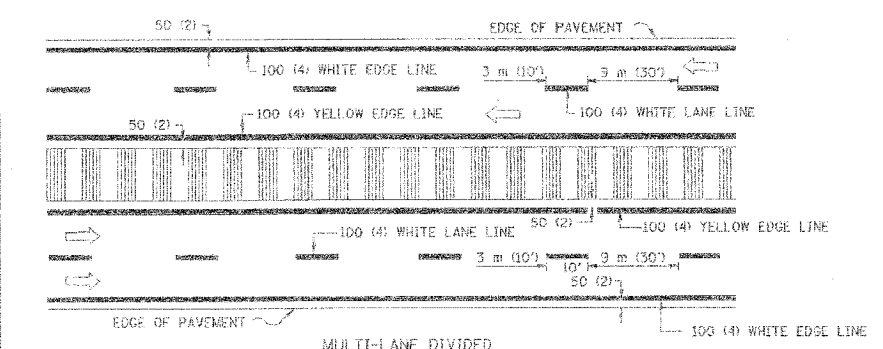
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2-LANE ROADWAY



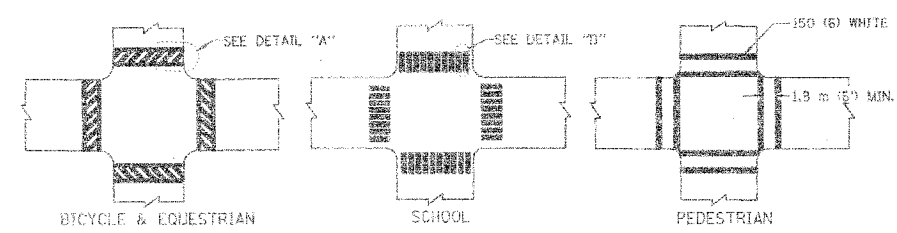
MULTI-LANE UNDIVIDED



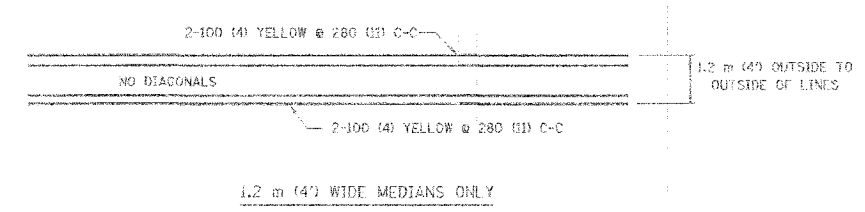
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

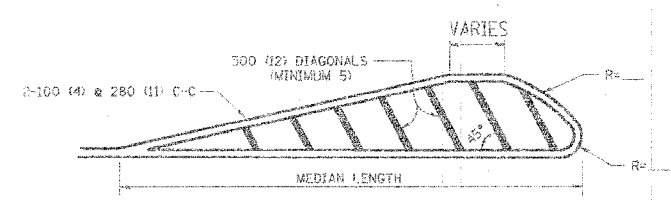
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



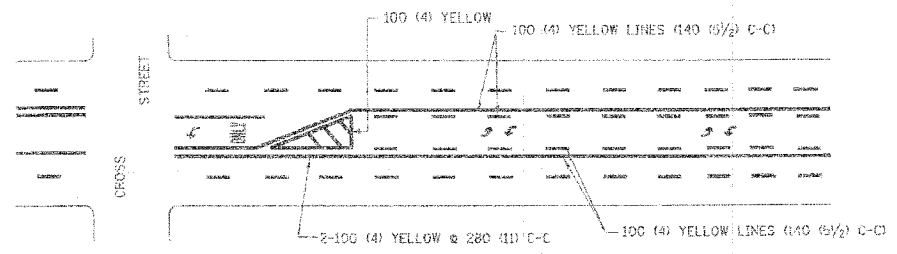
1.2 m (4') WIDE MEDIANS ONLY



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

MEDIANS OVER 1.2 m (4') WIDE

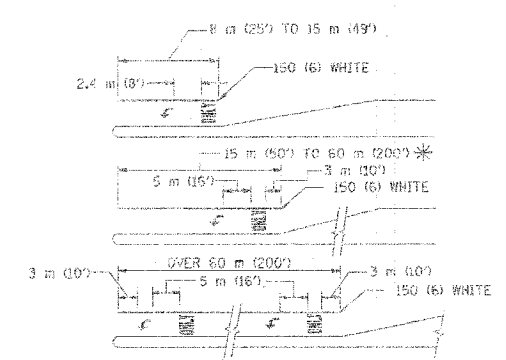


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

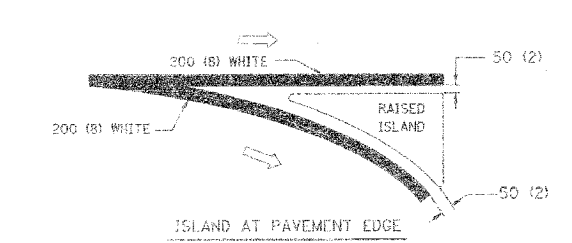
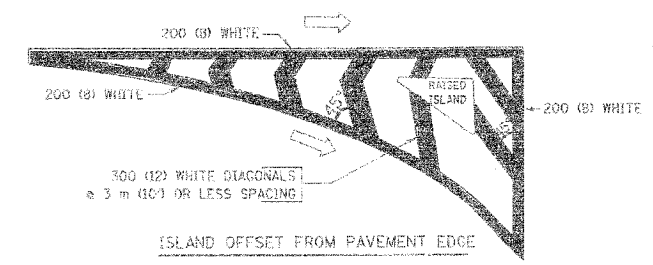


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
AREA = 1.5 m² (19.6 SQ. FT.) AREA = 1.9 m² (20.8 SQ. FT.)

* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 200 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (20) LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (20) APART 600 (20) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (20)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW TWO WAY TRAFFIC WHITE ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKINGS AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES "RR" 15 1.8 m (6') LETTERS; 100 (4) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R" = 0.33 m ² (3.9 SQ. FT.) EACH "X" = 5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 1997 AND STATE STANDARD 780001.

All dimensions are in millimeters (inches) unless otherwise shown.

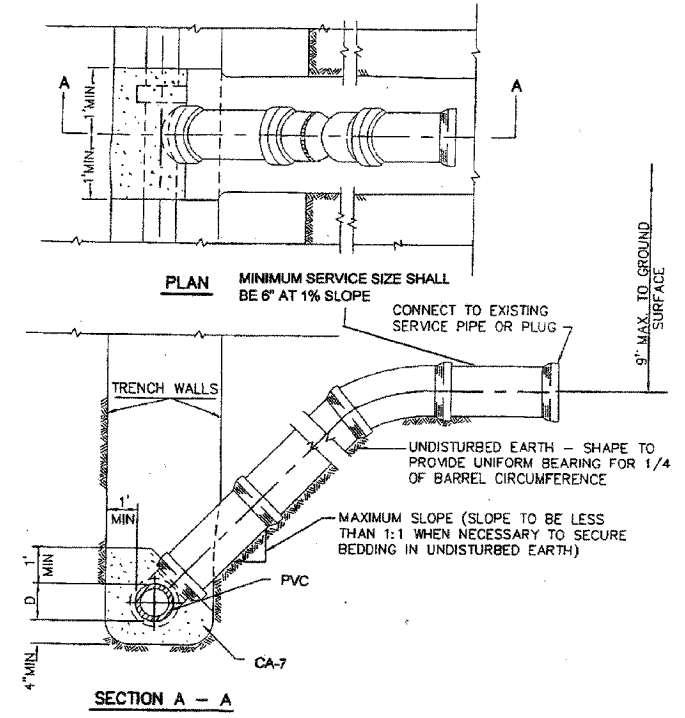
ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT
MARKINGS.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-98
T. RAMMACHER	01-06-00

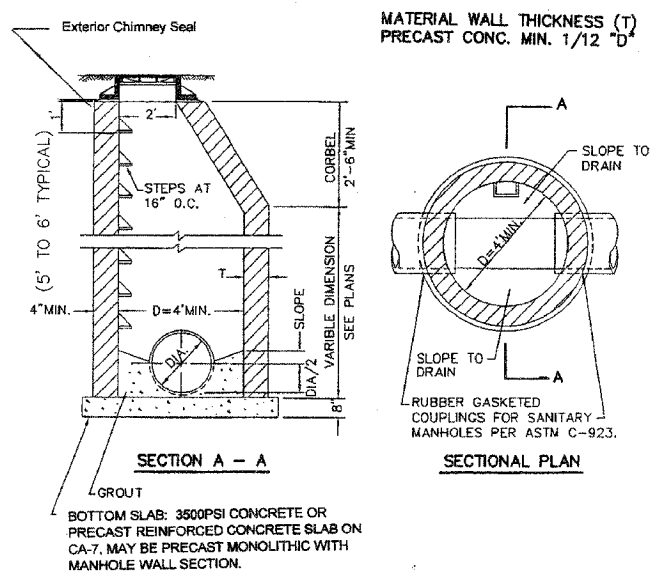
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RISER FOR SERVICE LATERAL LESS THAN 20' DEEP

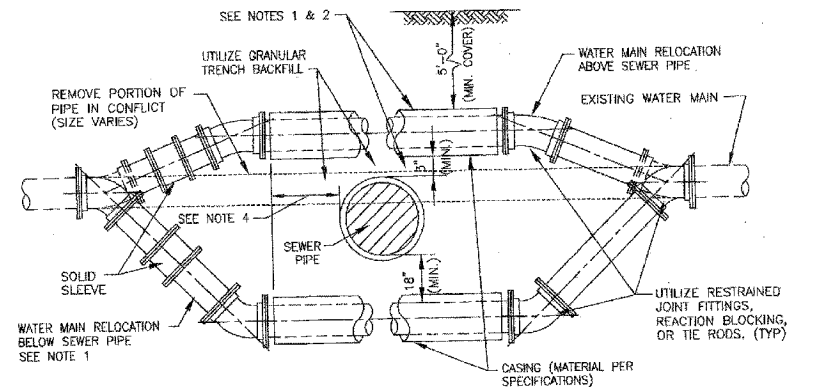
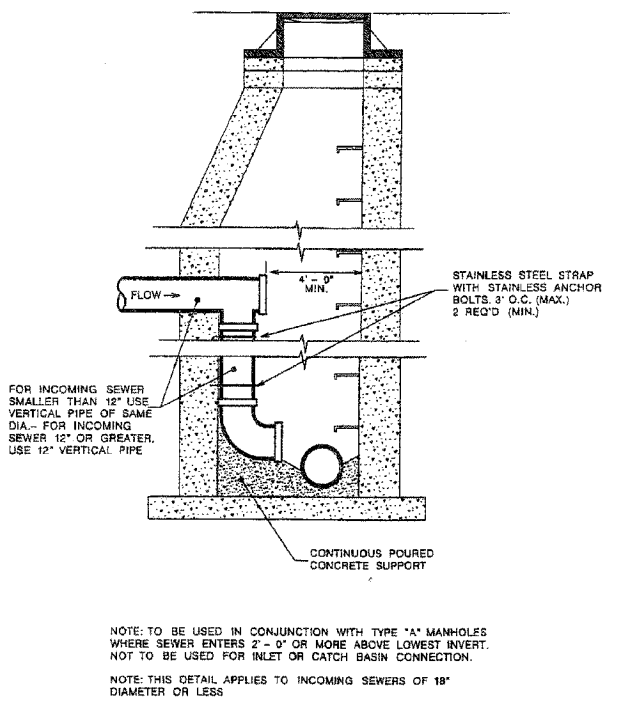


NOTE: RISERS TO BE CONSTRUCTED IN LIEU OF WYES WHERE SEWER DEPTH EXCEEDS 12'-0".

SANITARY MANHOLE TYPE A



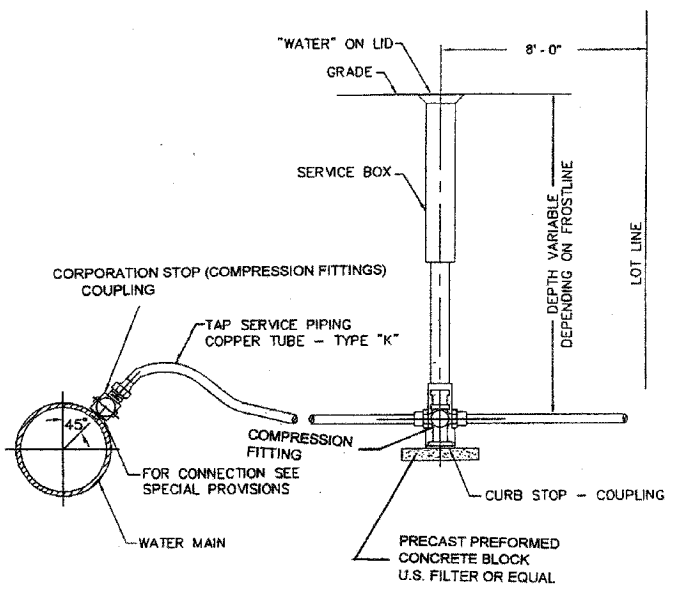
INTERNAL DROP CONNECTION



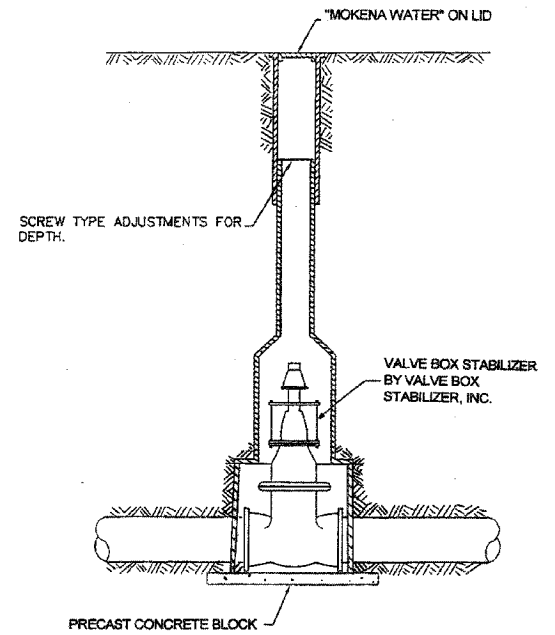
- NOTES:
1. ONLY TO BE USED IF WATER MAIN CANNOT CROSS ABOVE PROPOSED SEWER AND MAINTAIN THE REQUIRED 18" OF SEPARATION.
 2. WHEN WATER MAIN CROSSES ABOVE SEWER AND MAINTAINS THE REQUIRED 18" OF SEPARATION, THE CASING PIPE IS NOT REQUIRED.
 3. WATER MAIN RELOCATIONS ARE SUBJECT TO INSPECTION AT NORMAL SYSTEM PRESSURE BEFORE BURIAL.
 4. USE ONLY 45 DEGREE BENDS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
 5. CASING MUST EXTEND A MINIMUM OF 10 FEET BEYOND OUTSIDE EDGE OF SEWER PIPE - ON BOTH SIDES OF SEWER.

WATER MAIN RELOCATION - DUCTILE IRON
NO SCALE

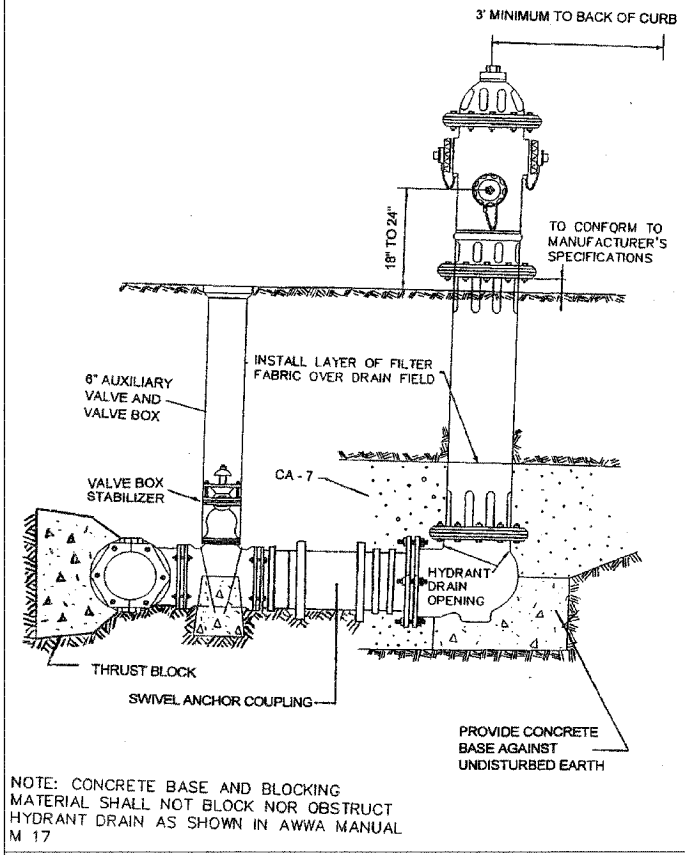
SERVICE TAP 2" DIAMETER OR LESS



VALVE BOX INSTALLATION



TYPICAL HYDRANT INSTALLATION



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CG Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4059 Fax 773.775.4014 Email ciorba@ciorba.com

VILLAGE OF MOKENA
LAPORTE ROAD REHABILITATION
DETAILS

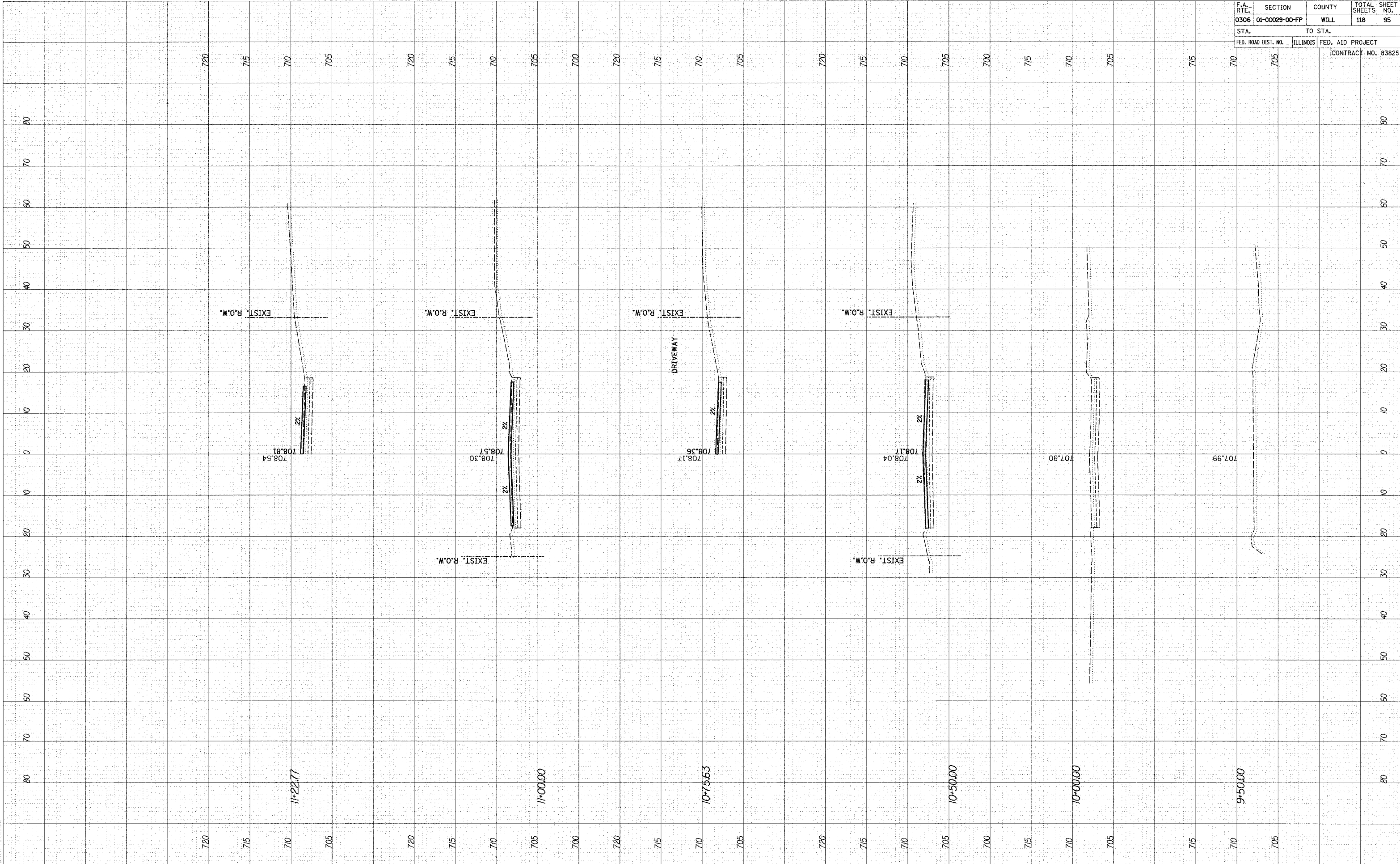
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
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	TEMPLATE		
	AREAS CHECKED		

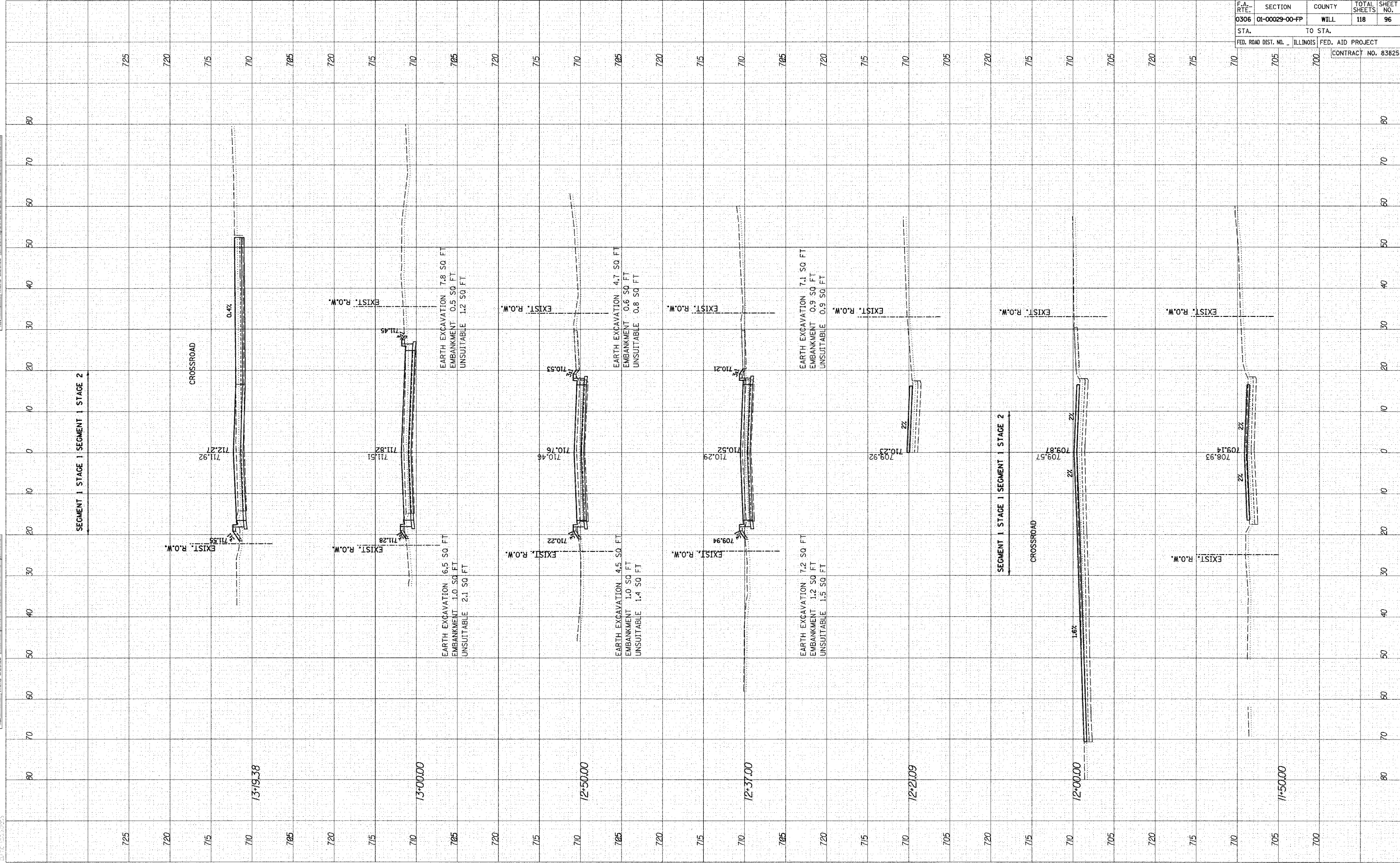
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NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 83825		

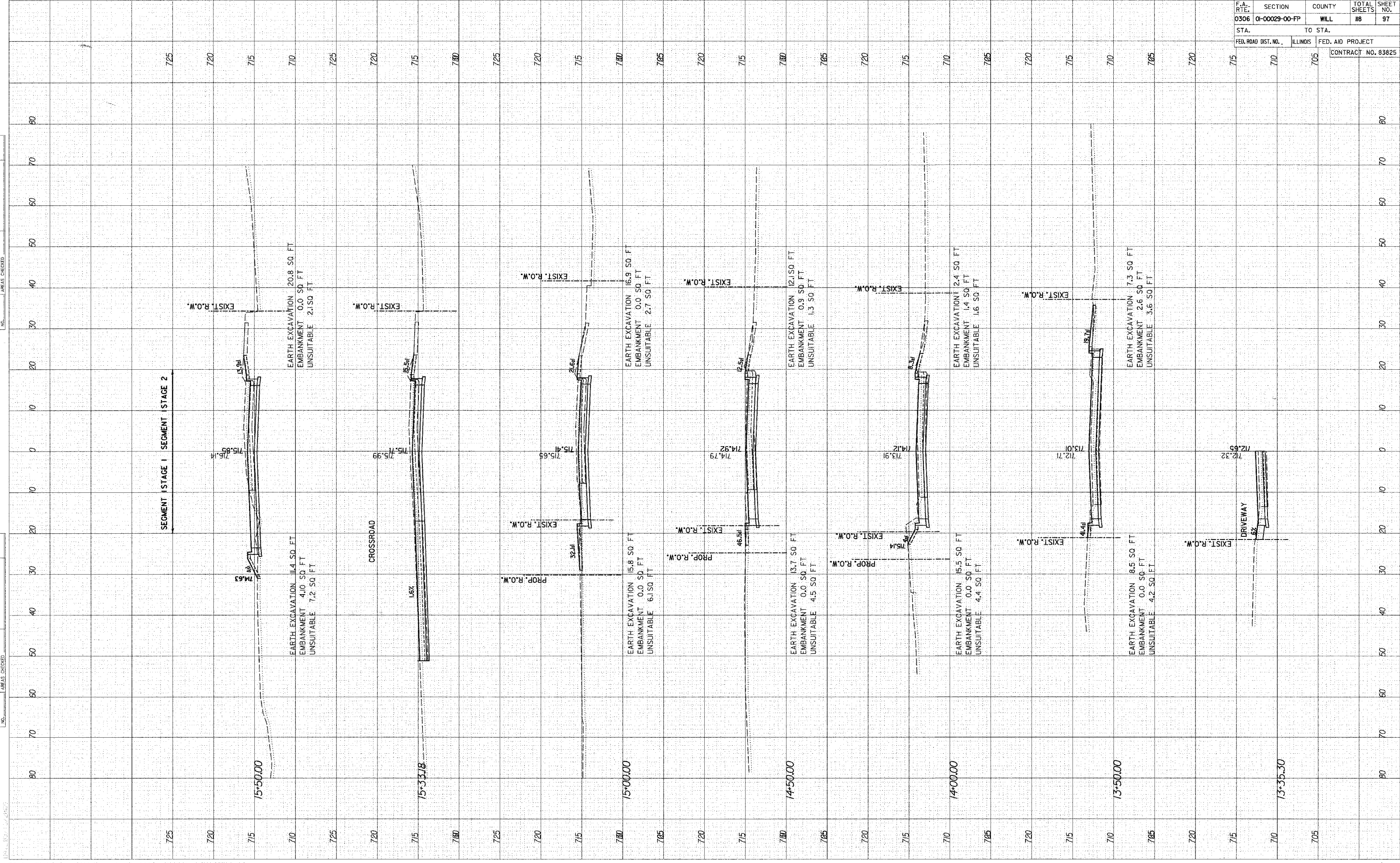
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BY	DATE
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NOTE BOOK	
AREAS CHECKED	
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FINAL	REVISIONS	DATE
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NOTE BOOK	TEMPLATE	
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NOTE BOOK	
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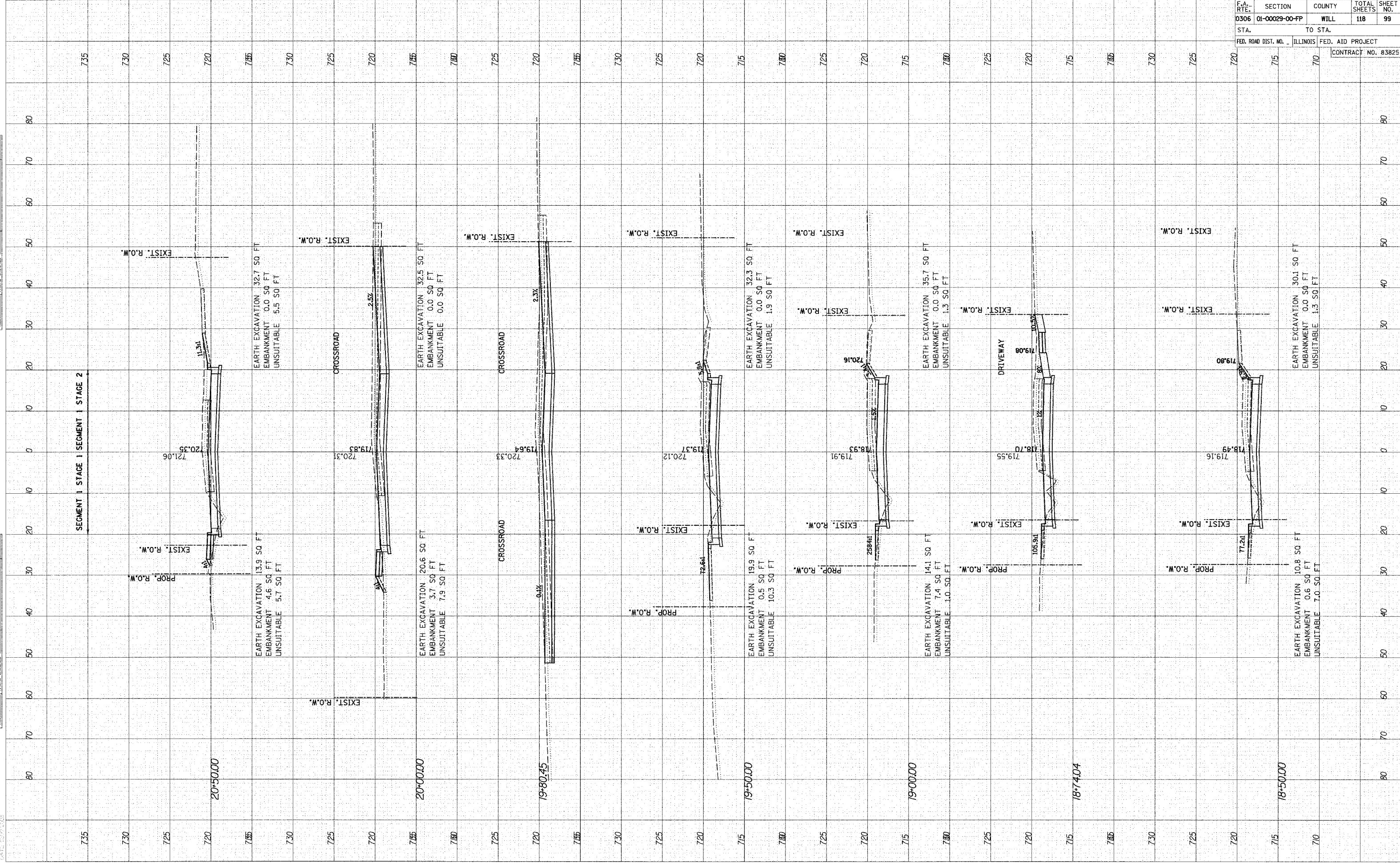


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		CONTRACT NO. 83825		

DATE	
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DATE	
BY	
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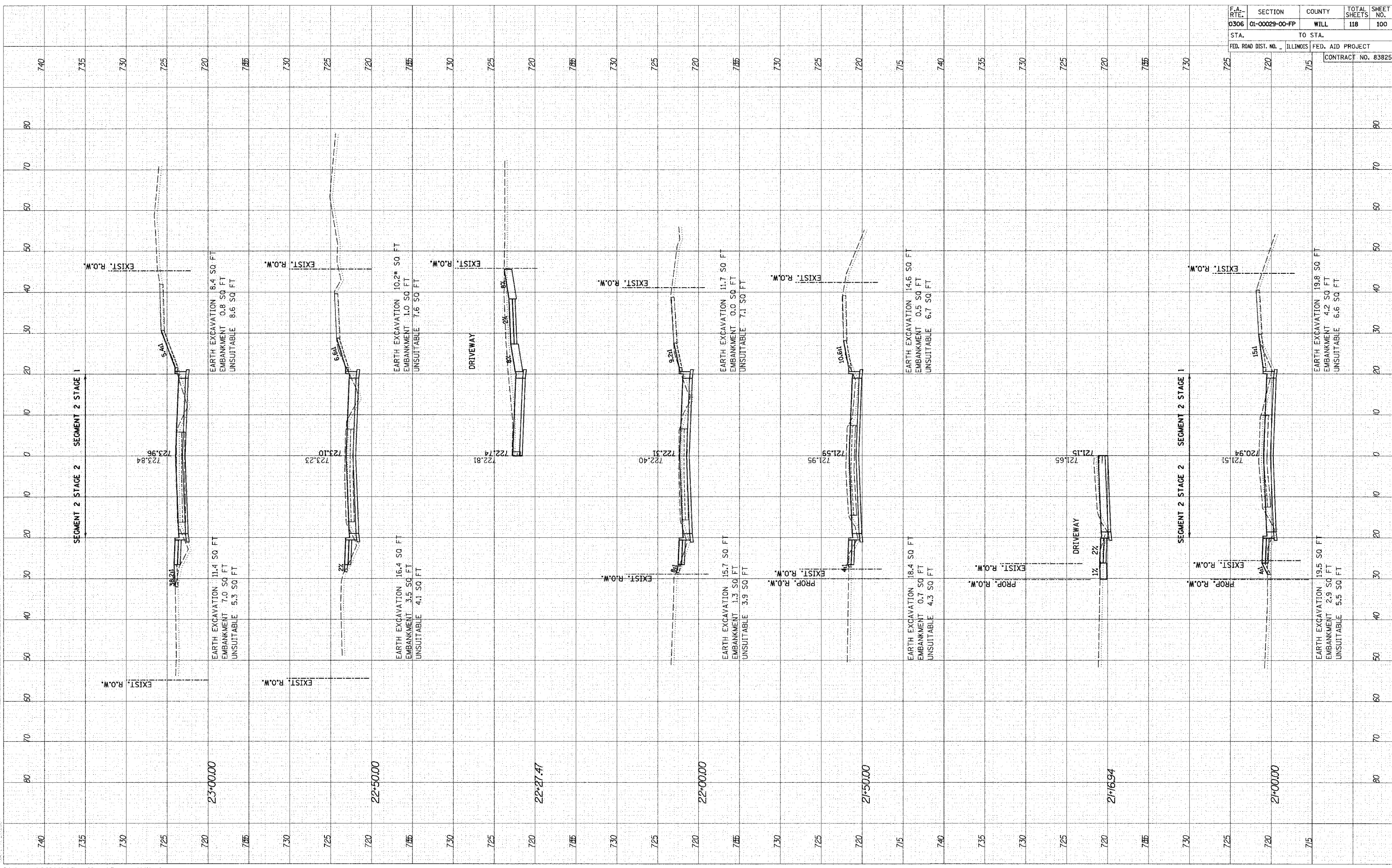
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FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	CONTRACT NO. 83825			



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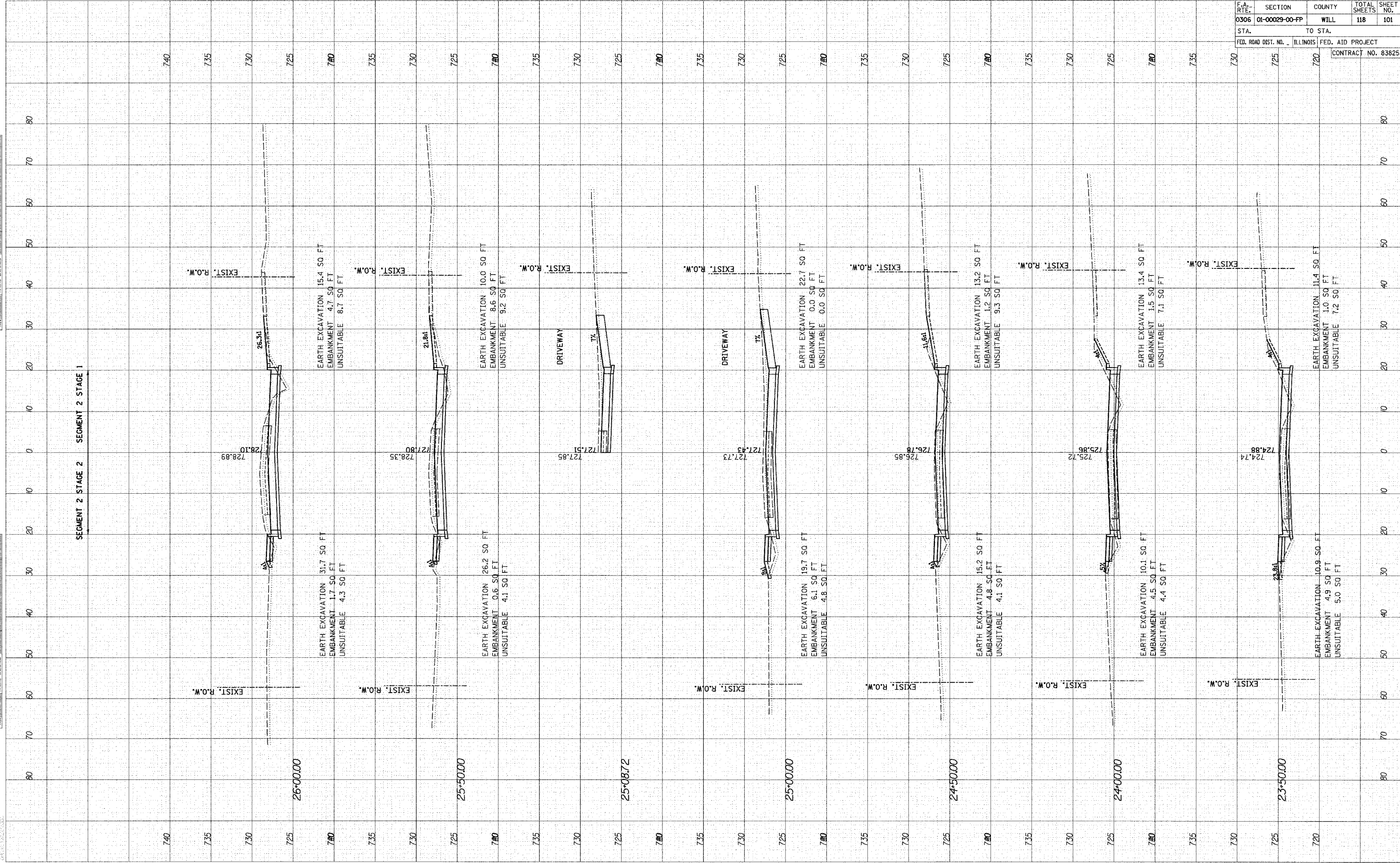
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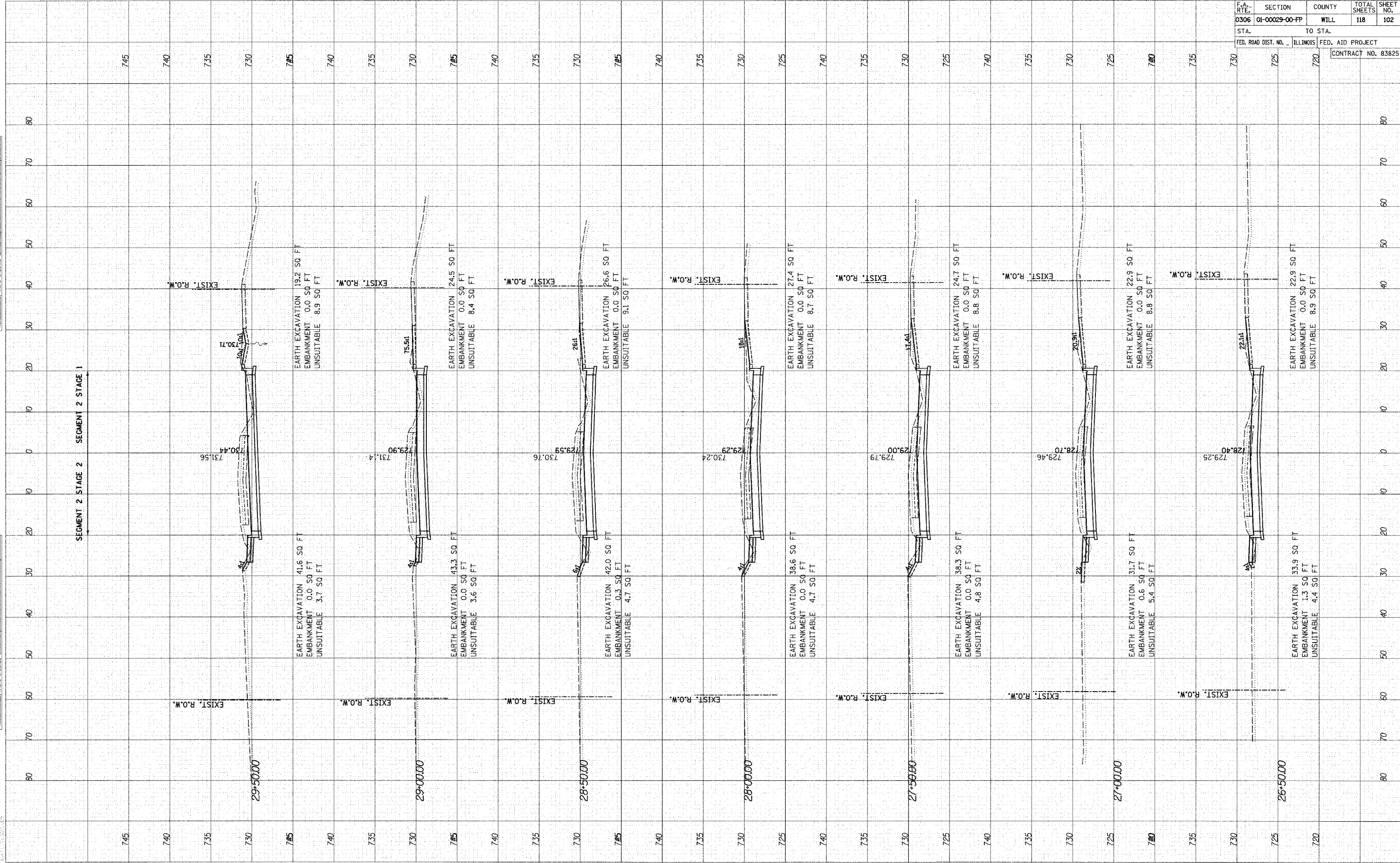
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CONTRACT NO. 83825				

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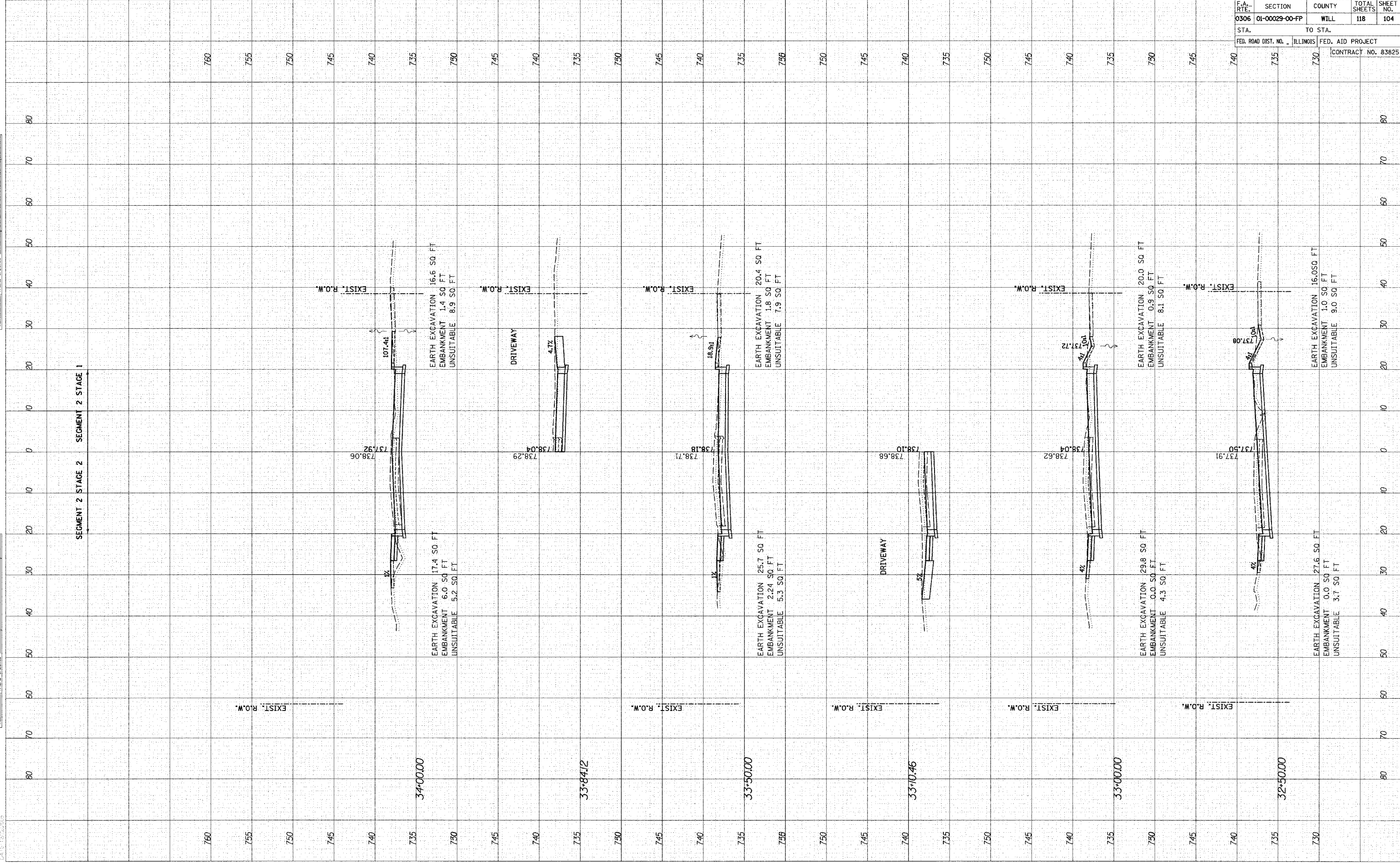
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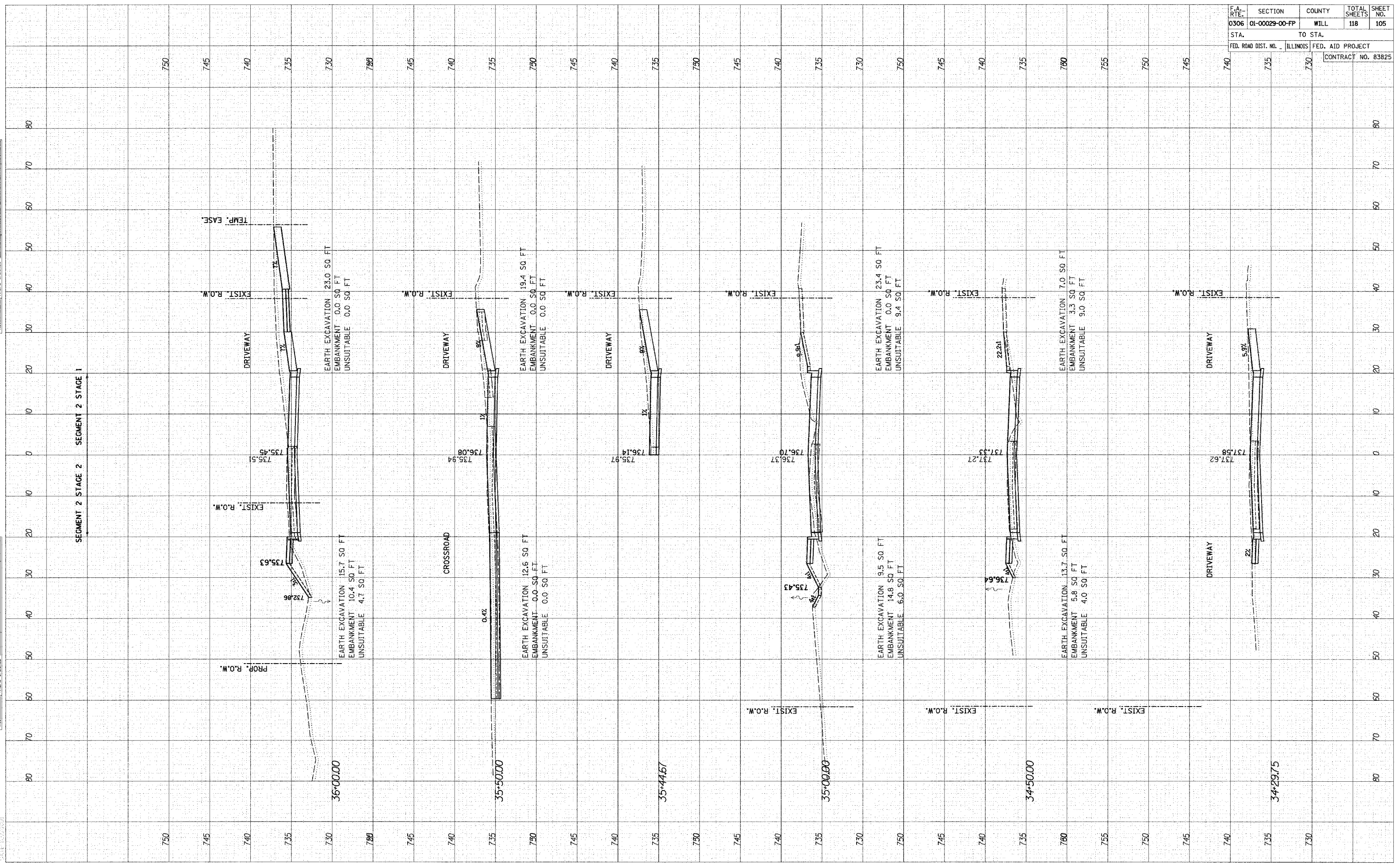


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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 83825				

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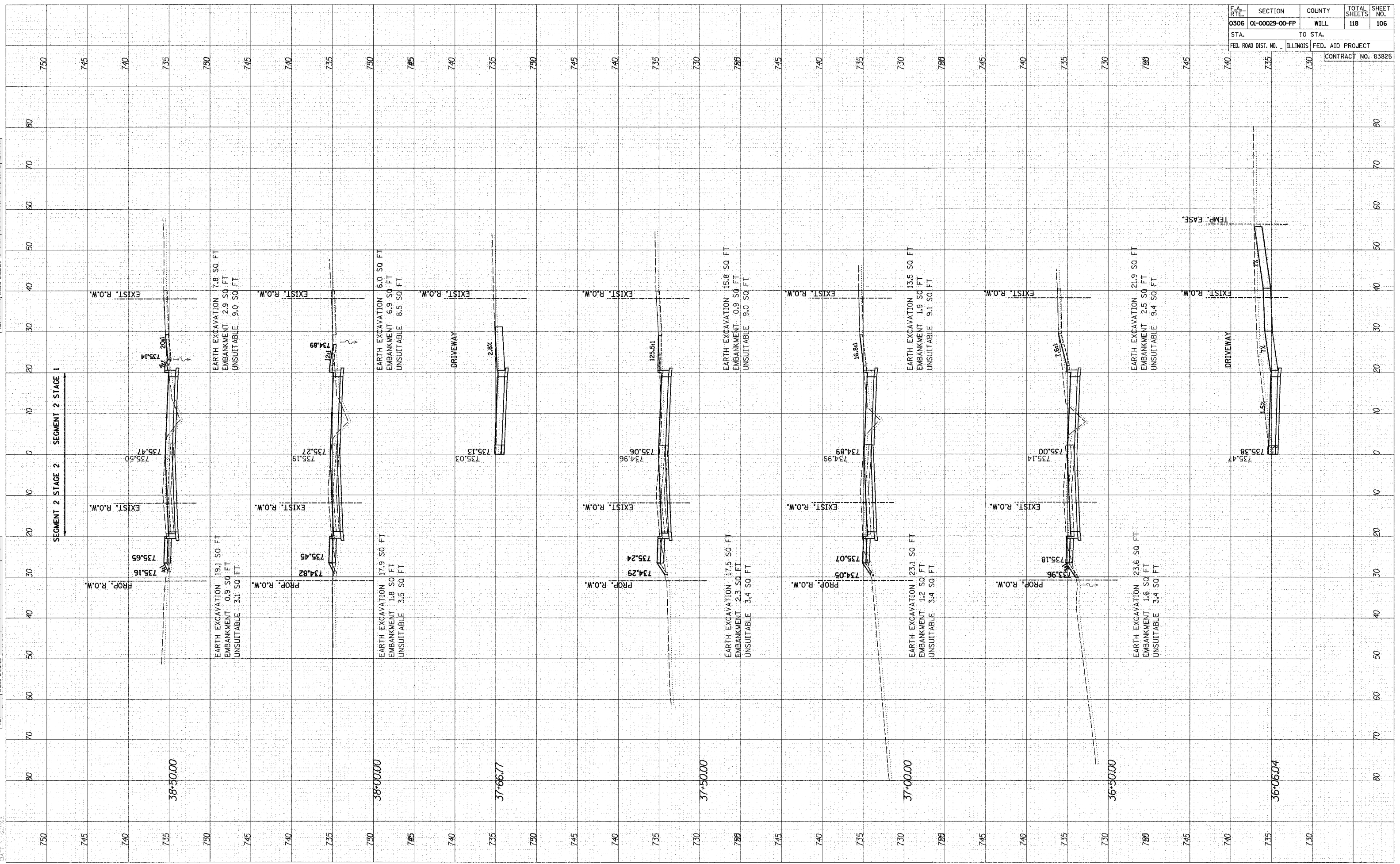
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83825	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
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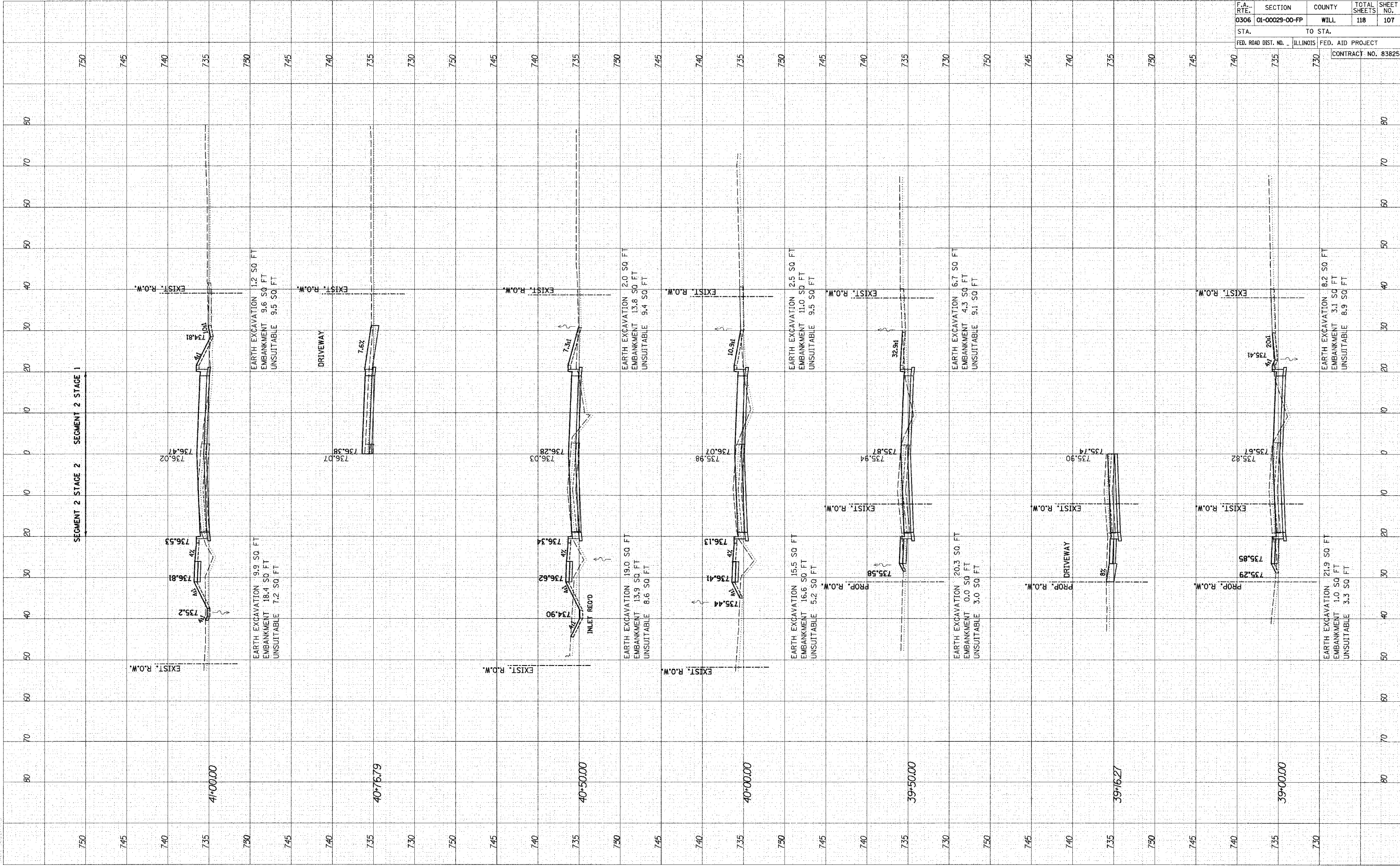
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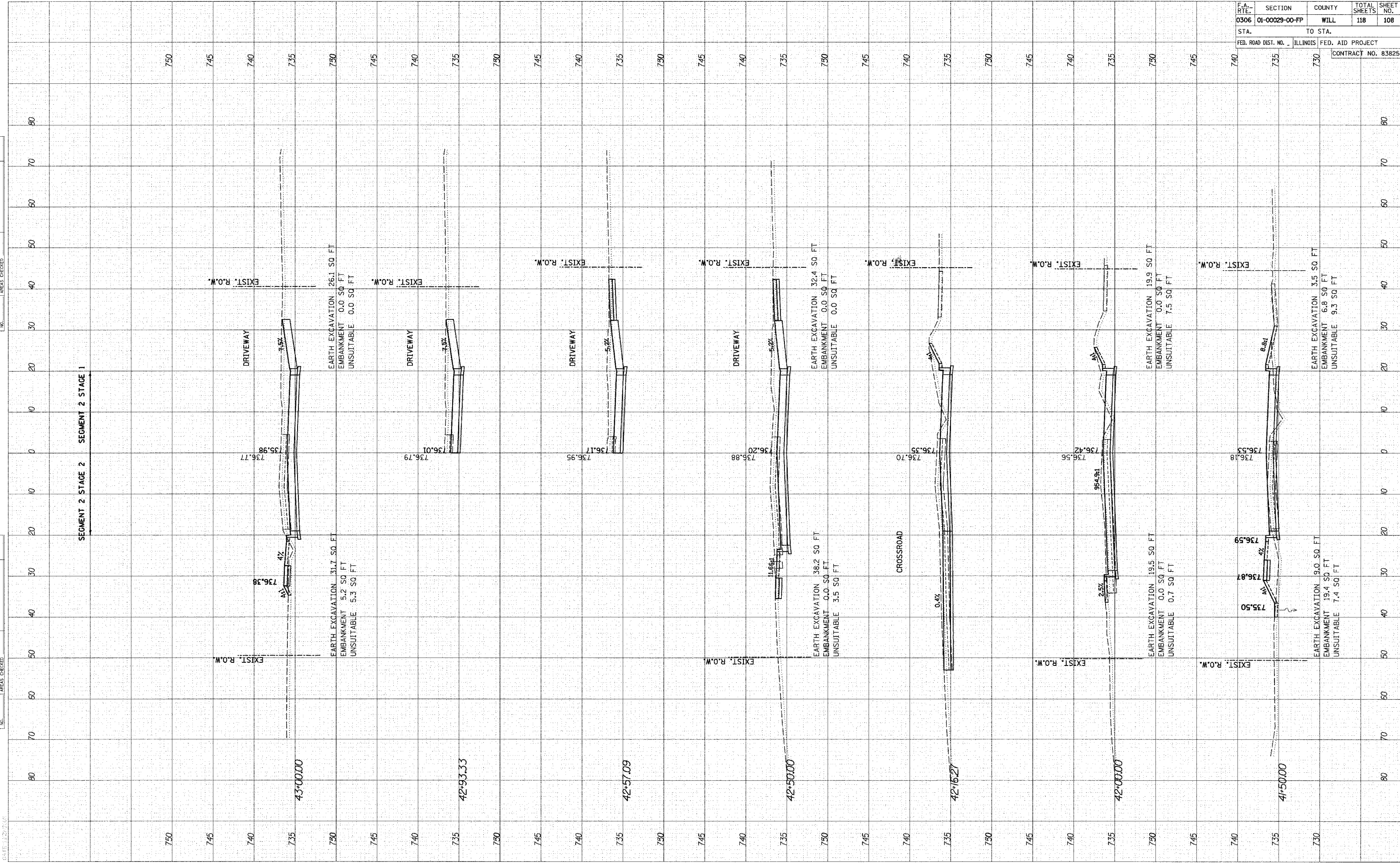
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
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NOTE BOOK	TEMPLATE	
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ORIGINAL	SURVEYED	DATE
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NOTE BOOK	TEMPLATE	
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83825	

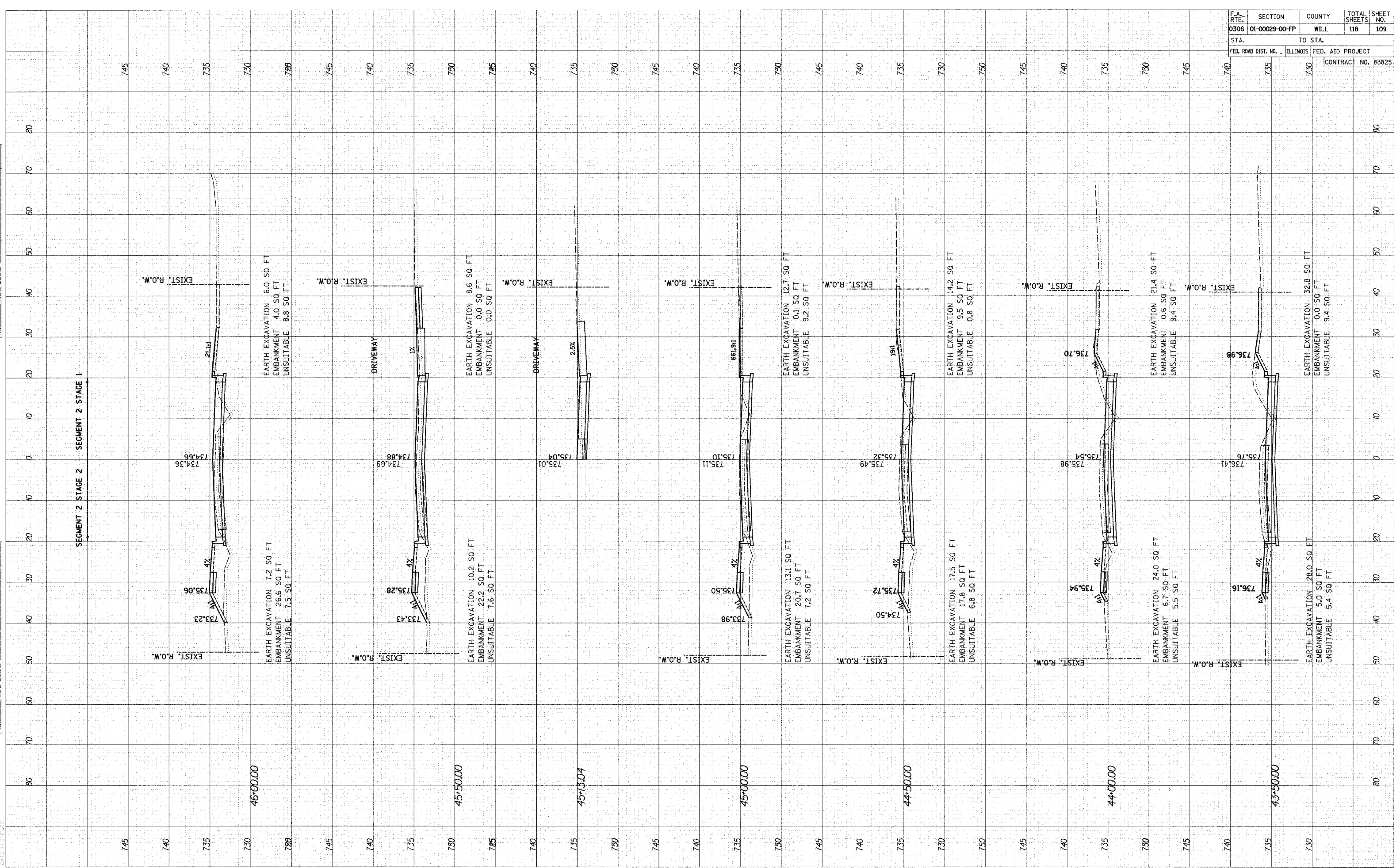
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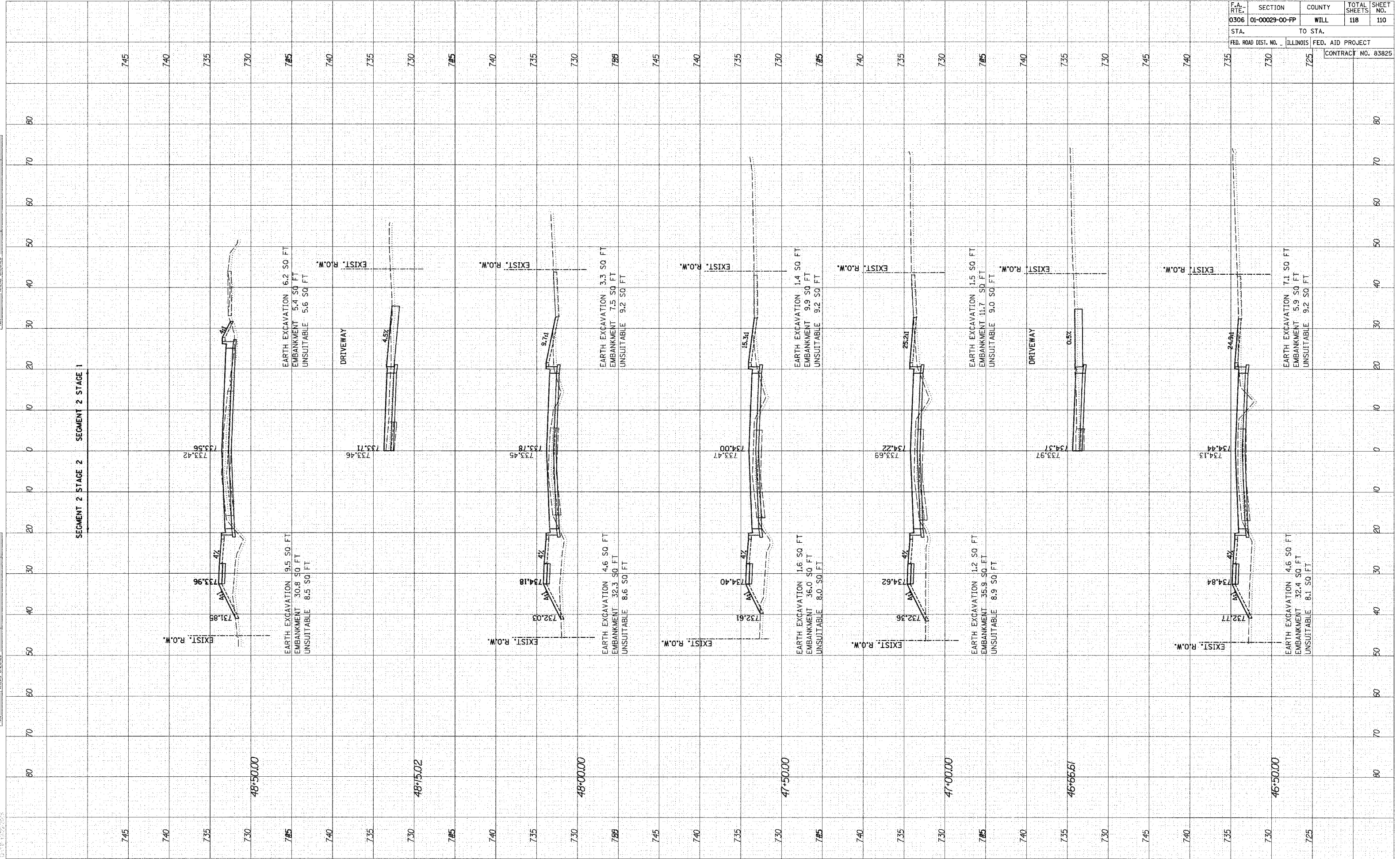
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83825	



DATE	BY

DATE	BY



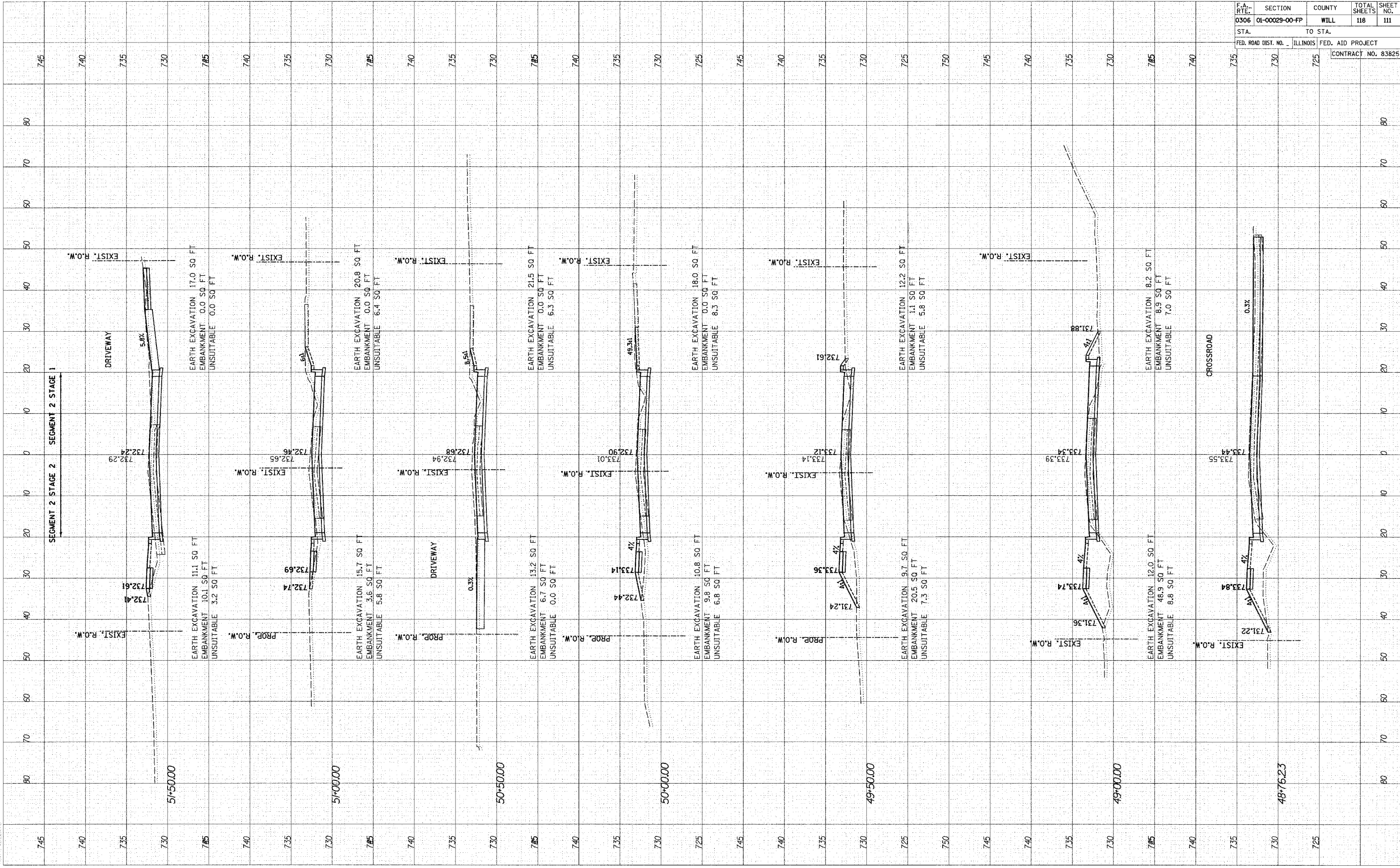
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FINAL SURVEYED PLOTTED SURVEY NOTE BOOK AREAS CHECKED

ORIGINAL SURVEYED PLOTTED SURVEY NOTE BOOK AREAS CHECKED

DATE BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83825				

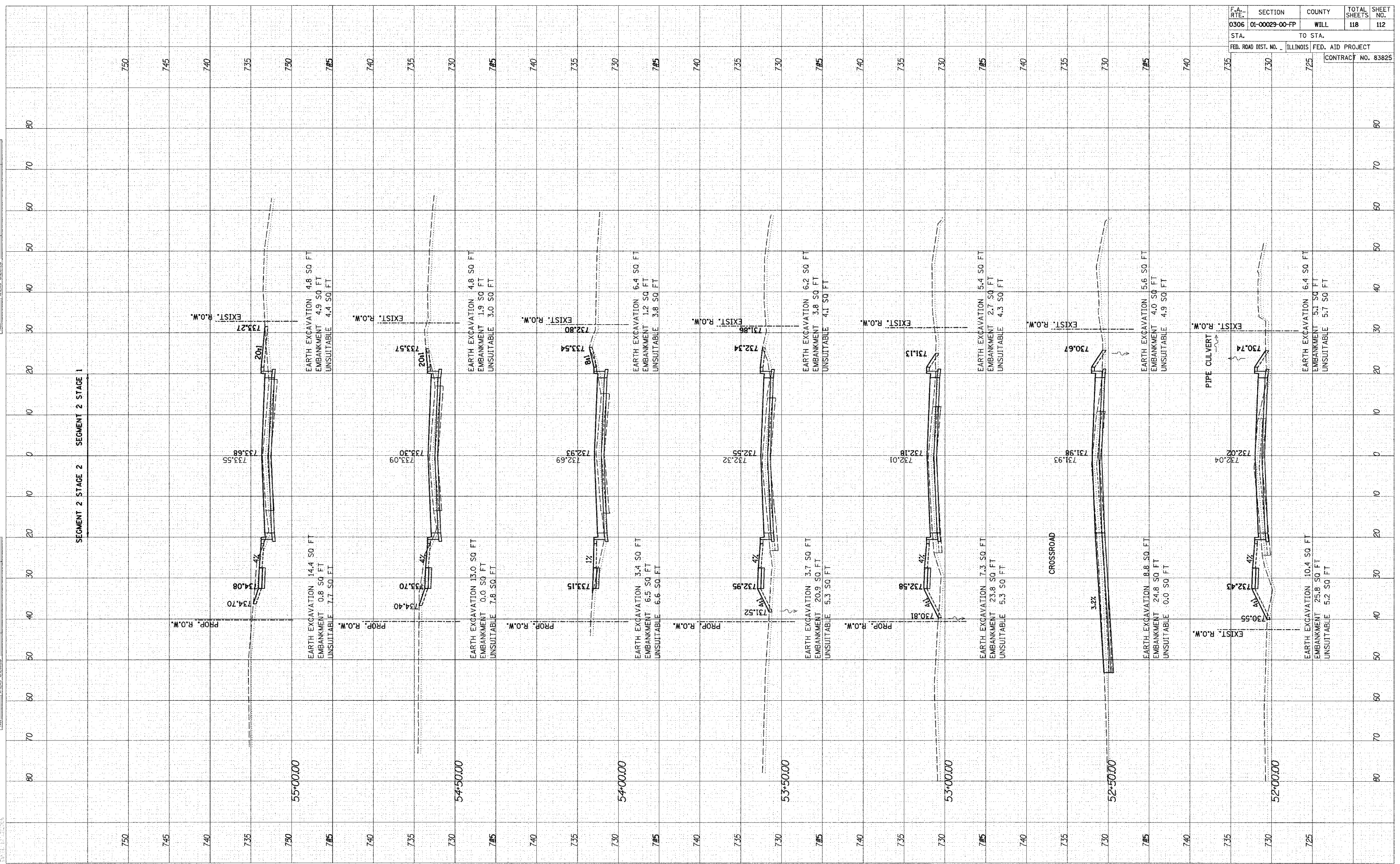


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DATE	BY

DATE	BY

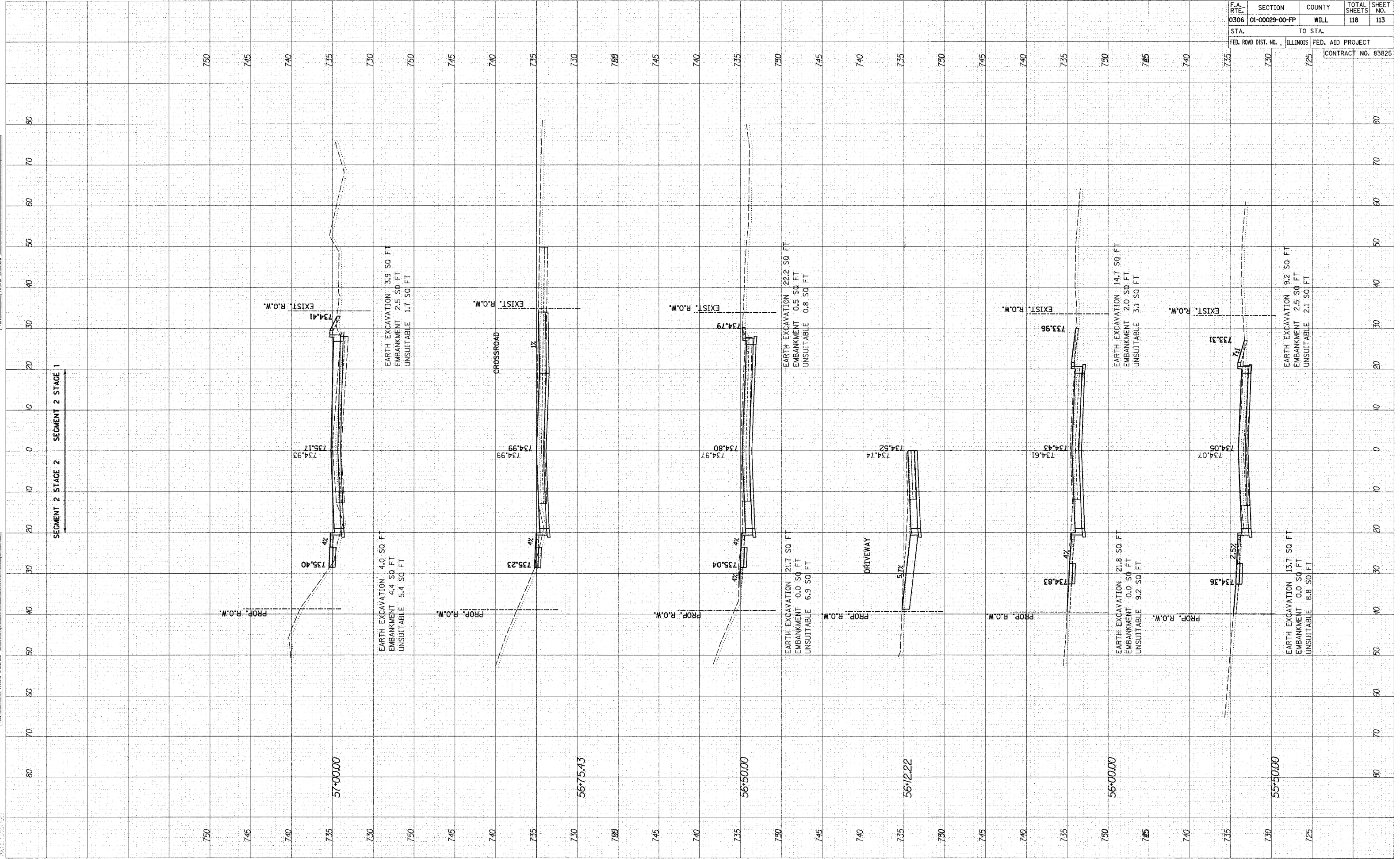
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CONTRACT NO. 83825				



BY	DATE
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NOTE BOOK	PLOTTED
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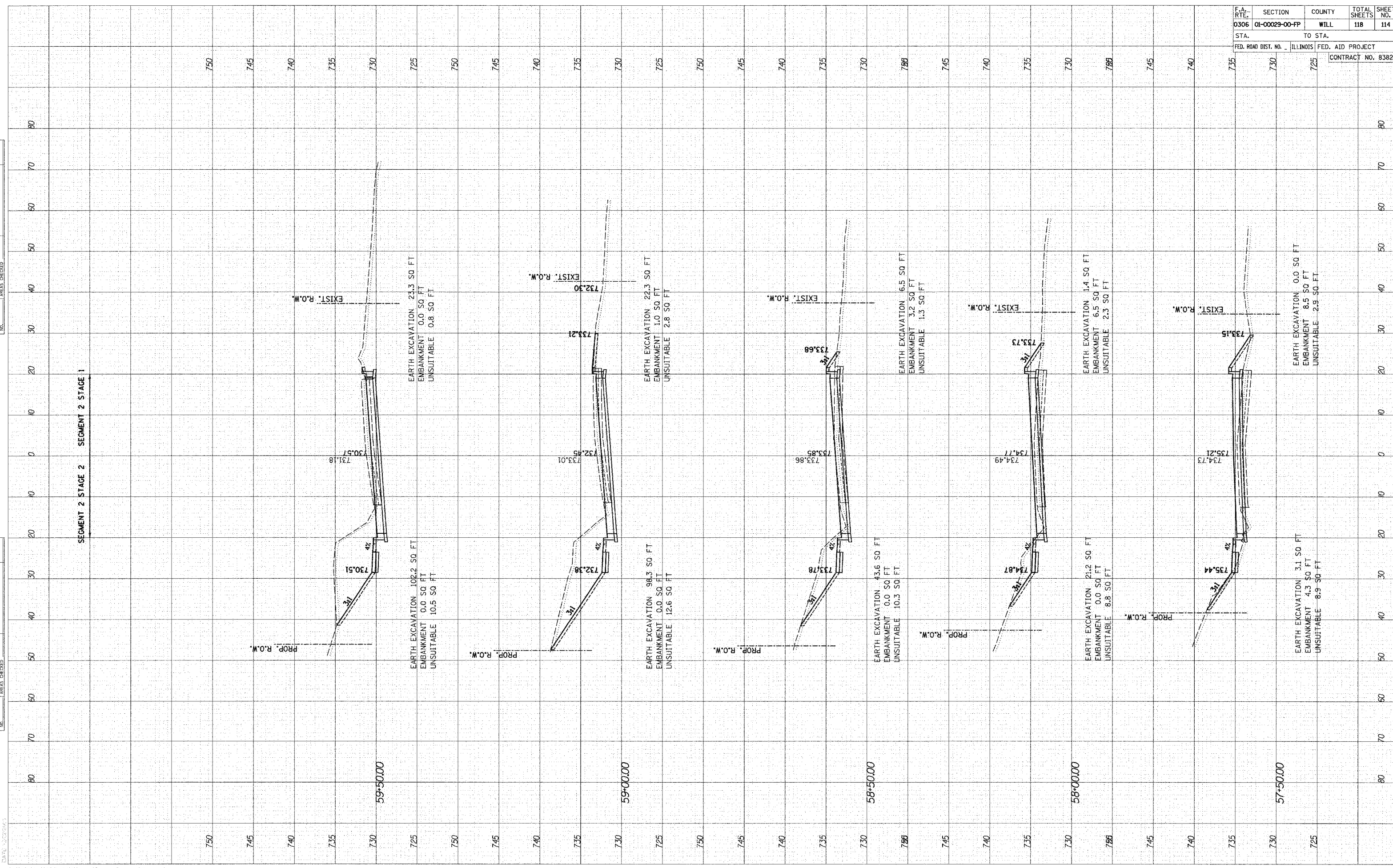


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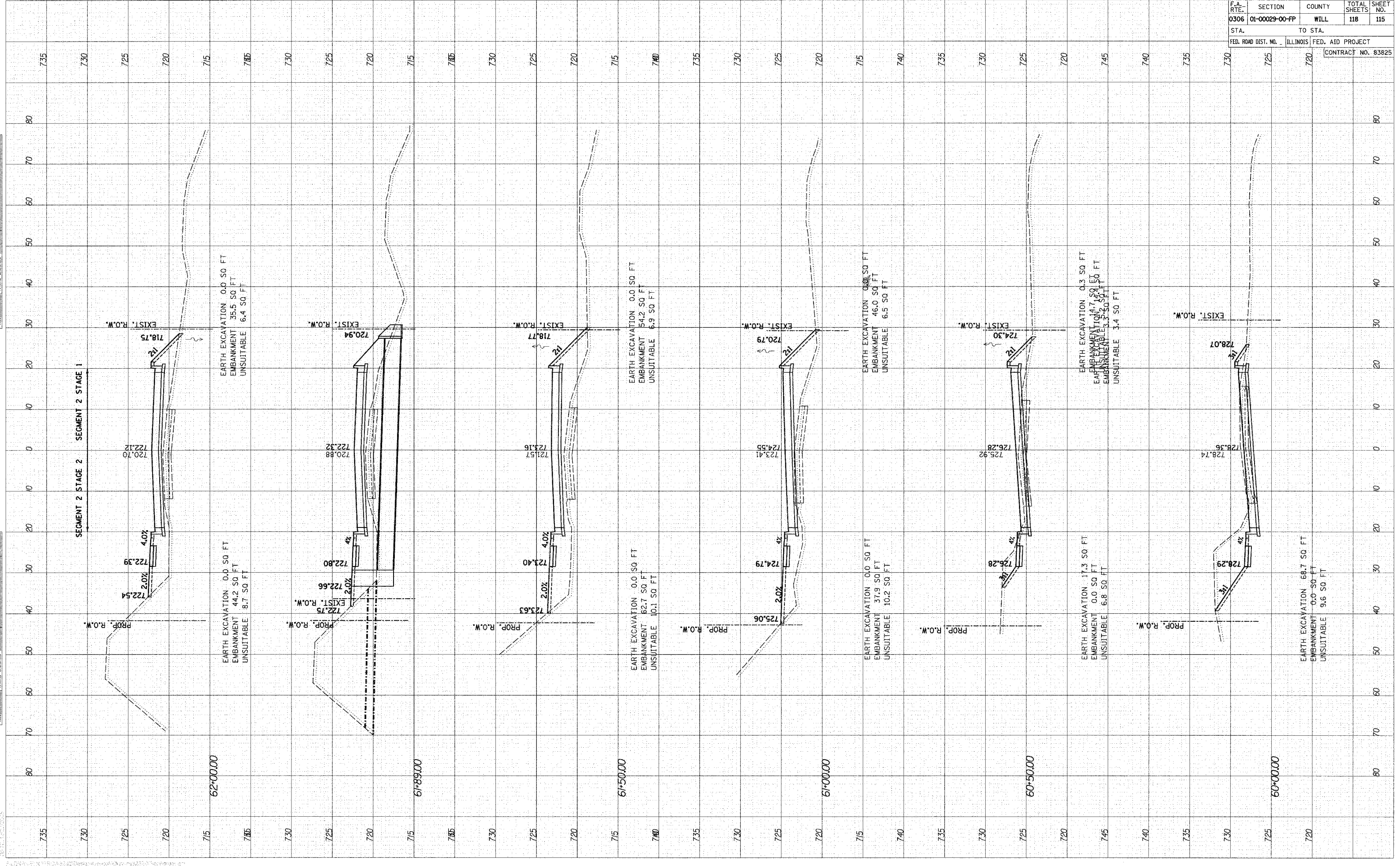
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				CONTRACT NO. 83825



DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
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DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

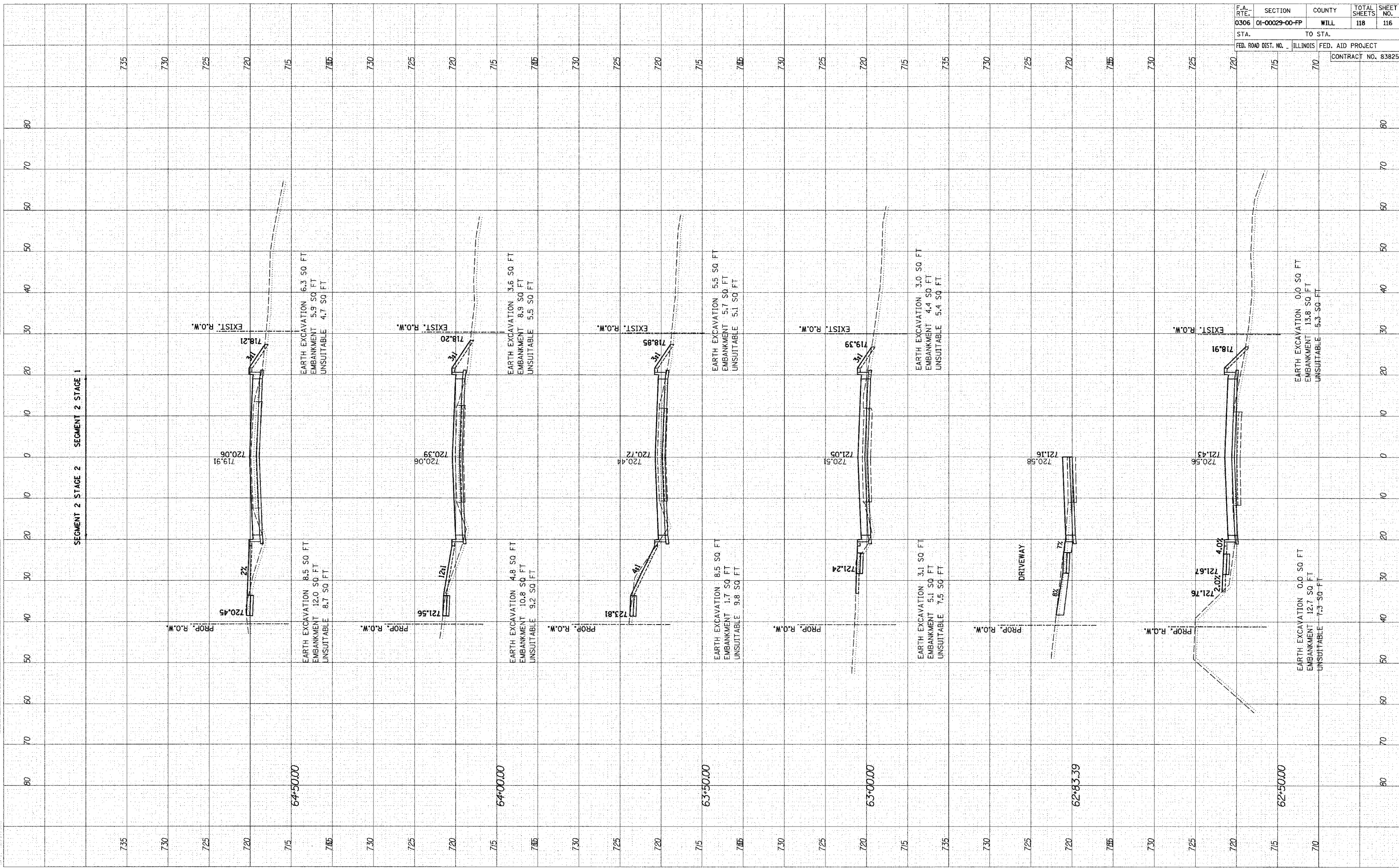


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	01-00029-00-FP	WILL	118	115
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83825	

FINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

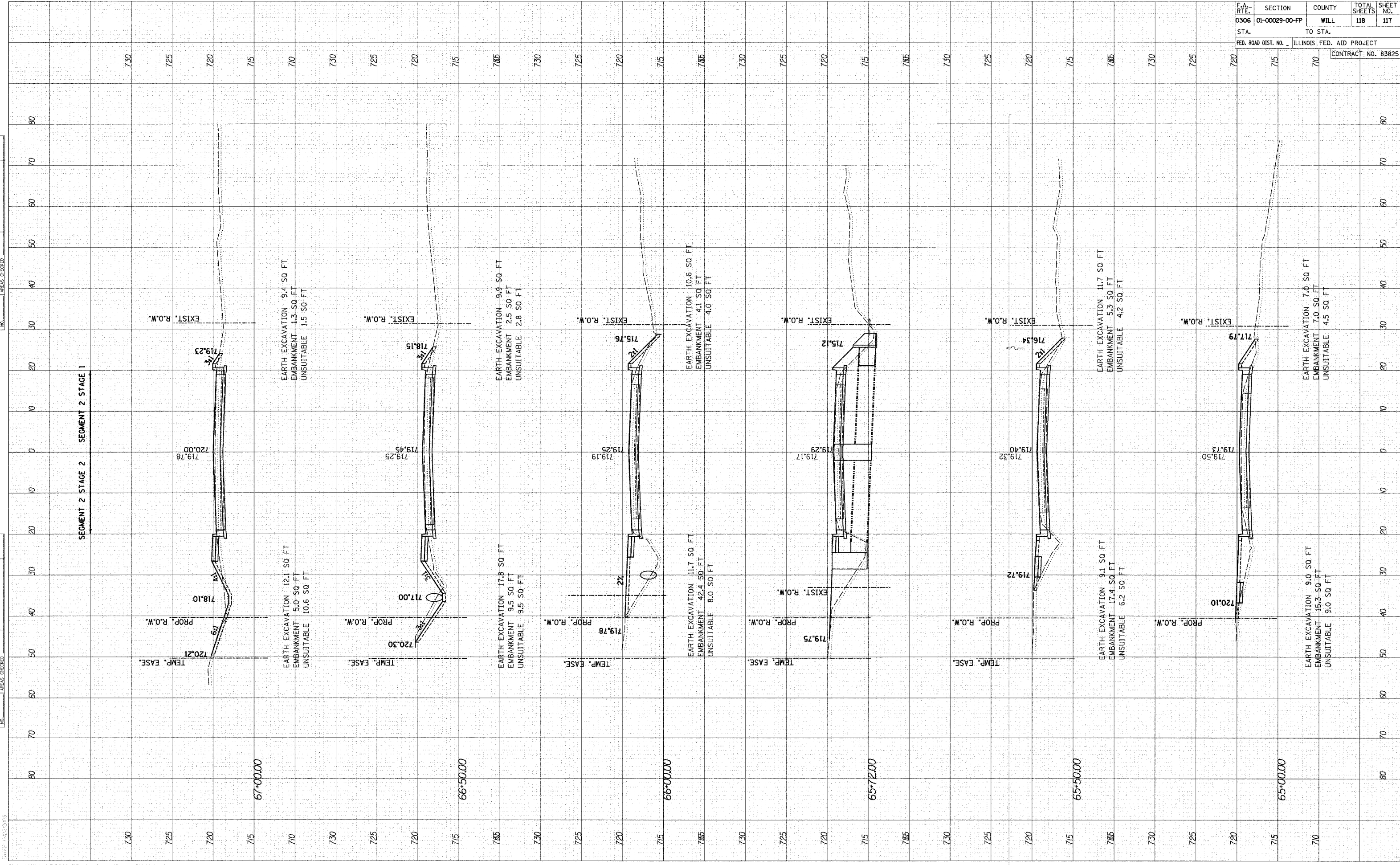
ORIGINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	01-00029-00-PP	WILL	118	116
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83825	



DATE	
BY	
REVISIONS	
NO.	
AREAS CHECKED	
TEMP. EASE.	
PROP. R.O.W.	
EXIST. R.O.W.	
AREAS CHECKED	
NOTE BOOK	
TEMPLATE	
PLOTTED	
SURVEYED	
ORIGINAL	

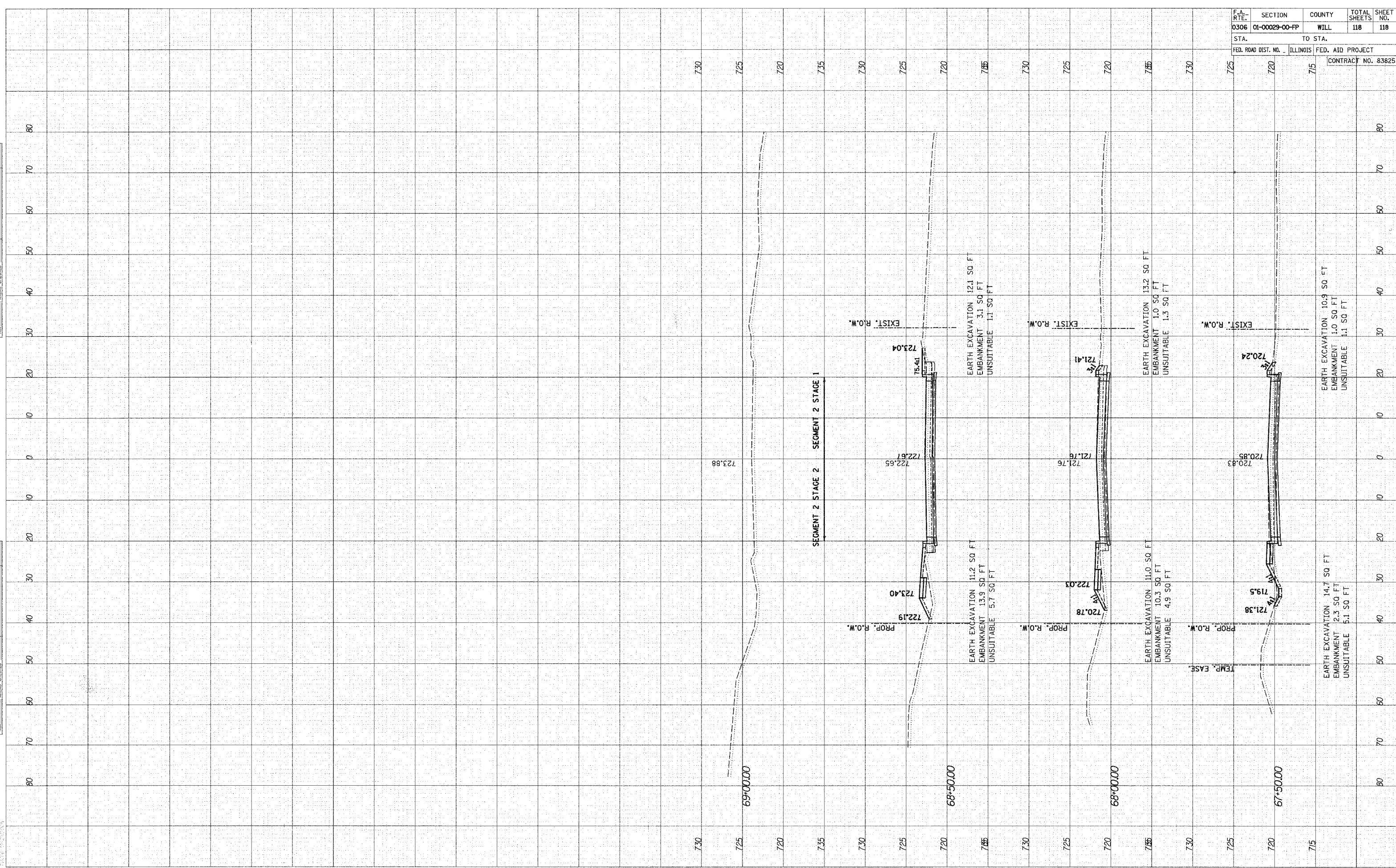
DATE	
BY	
REVISIONS	
NO.	
AREAS CHECKED	
TEMP. EASE.	
PROP. R.O.W.	
EXIST. R.O.W.	
AREAS CHECKED	
NOTE BOOK	
TEMPLATE	
PLOTTED	
SURVEYED	
ORIGINAL	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	01-00029-00-FP	WILL	118	117
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83825	

ORIGINAL SURVEY SURVEYED PLOTTED
 NOTE BOOK NO. AREAS CHECKED
 BY DATE

FINAL SURVEY SURVEYED PLOTTED
 NOTE BOOK NO. AREAS CHECKED
 BY DATE



F.A. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0306	01-00029-00-PP	WILL	118	118
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 83825	