

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS
321	04-00034-00-FP	WILL	22
F.H.W.A. REG.		ILLINOIS PROJECT:	M-8003(873)
CONTRACT NO. 63171			

**INDEX OF SHEETS**

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22. CROSS SECTIONS STA. 28+50 - STA. 33+50

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. RTE. 321 (KANKAKEE STREET)  
FROM IL. RTE. 53 (BALTIMORE ST.) TO IL. RTE 102 (WATER ST.)  
WIDENING  
PROJECT M-8003(873)  
SECTION NO. 04-00034-00-FP  
CITY OF WILMINGTON  
WILL COUNTY  
JOB NO. C-91-035-08



**DESIGN DESIGNATION**  
KANKAKEE STREET  
(20) COLLECTOR 0.82 (BIT. 20)  
WILL COUNTY SECTION 04-00034-00-FP  
ADT = 5000, DHV = 328  
DESIGN SPEED = 30 MPH  
POSTED SPEED = 25 MPH

LOCATION OF SECTION INDICATED THUS:

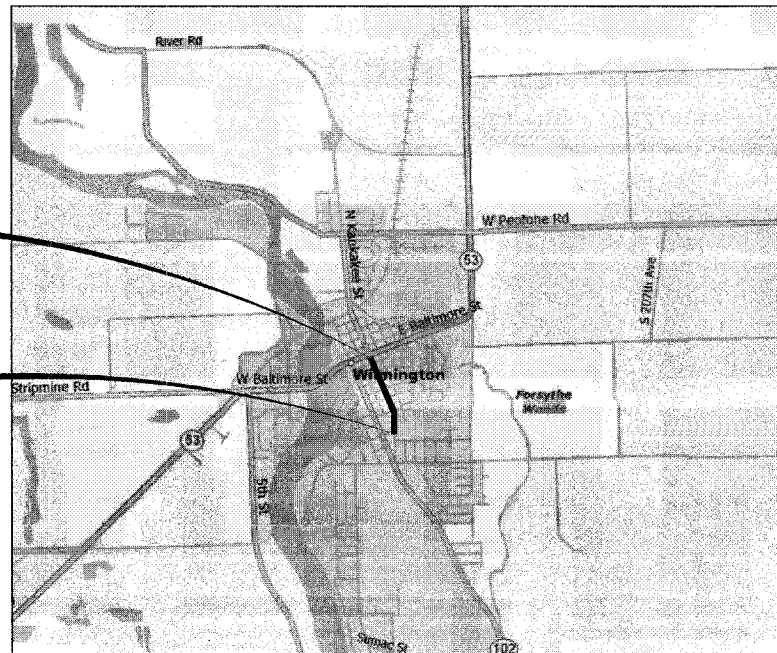
**IDOT DISTRICT ONE STANDARD DETAILS**

- BD 02 DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE IS LESS THAN 4.5M (15FT.)
- BD 32 BUTT JOINT AND HMA TAPER
- TC 10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
- TC 11 RAISED REFLECTIVE PAVEMENT MARKERS
- TC 13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS

PROJECT BEGINS  
STA. 10+06

PROJECT ENDS  
STA. 33+50

TOWNSHIP 33N, RANGE 9E



**LOCATION MAP**

- DENOTES PROJECT LOCATION  
NET LENGTH OF PROJECT = 2294 LIN. FT (0.43 MILE)  
GROSS LENGTH 3880 LIN FT (0.73 MILE)

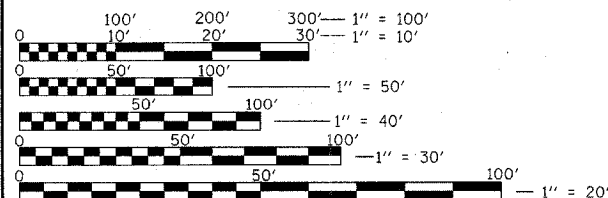


SCALE  
1" = 2000'

FIELD ENGINEER: MELCHOR MANGOBA (847) 705-4408



CALL 48 HOURS BEFORE YOU DIG



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

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

CONTRACT NO. 63171

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED MARCH 31, 2009  
*Ray Stora*  
CITY OF WILMINGTON, MAYOR

PASSED APRIL 3, 2009  
*Christophe Hour*  
DISTRICT #1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW APRIL 3, 2009  
*Diana M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

**ENGINEER'S CERTIFICATION**

STATE OF ILLINOIS) SS.  
COUNTY OF WILL)

I, ROBERT A. ROGINA, A REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ROGINA & ASSOCIATES LTD, 93 CATERPILLAR DR, JOLIET, IL 60436 UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.

DATED THIS 15 DAY OF April, A.D. 2009

*Robert A. Rogina*  
ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 27743  
MY REGISTRATION EXPIRES NOVEMBER 30, 2009

NOTE: UNLESS THIS DOCUMENT BEARS THE ORIGINAL SIGNATURE AND SEAL OF THE DESIGN PROFESSIONAL ENGINEER, IT IS NOT A VALID TECHNICAL SUBMISSION.

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PREPARED BY:  
**ROGINA & ASSOCIATES, LTD.**  
ENGINEERS • SURVEYORS • PLANNERS  
93 Caterpillar Drive Joliet, Illinois 61572-0777 FAX 815/729-0788

101.000481

Standard Specifications

- All applicable Village Ordinances, Standards, Specifications and Details, most recent edition, as adopted.
- "Standard Specification for Road and Bridge Construction", Most Recent Edition, Illinois Department of Transportation (IDOT);
- "Manual for Uniform Traffic Control Devices for Streets and Highways", Most Recent Edition, U.S. Department of Transportation, Federal Highway Administration;
- "Technical Policy Statements", I.E.P.A., Division of Public Water Supply;
- "Procedures and Standards for Urban Soil Erosion and Sedimentation Control in Illinois", the Urban Committee of the Association of Illinois Soil and Water Conservation Districts, ("Green Book");
- "Standards and Specifications for Soil Erosion and Sediment Control", I.E.P.A. ("Yellow Book");

General Construction Notes

- The contractor shall obtain Permits from all outside governmental agencies having jurisdiction.
- All structure adjustments shall be accomplished in conformance with the preceding standards.
- Existing field tiles encountered during construction shall be either integrated into the site drainage system, removed or plugged in a manner deemed appropriate by the City Engineer.
- The contractor shall be responsible for all adjustments before and after final inspection, prior to final acceptance by the City of Wilmington.
- The City must have forty-eight (48) hours notice prior to the initiation of construction activity.
- All restoration work subject to the approval of the City Engineer.
- City Police Department, Fire District, School Districts and Administration shall be notified a minimum of forty-eight (48) hours prior to road or water main shutdowns. Approval must be obtained from the City of Wilmington.
- The project SPECIAL PROVISIONS apply and are to be followed.
- Contractor shall contact JULIE (1-800-892-0123) prior to any excavation work (including Section, Township, and Range numbers of property with note).
- Contractor shall maintain pavement crossing cuts until final pavement restoration is complete and accepted by the Village Engineer.
- Pavement, curb and gutter, sidewalks, storm sewer, etc. shall conform to "IDOT Standard Specifications for Road and Bridge Construction, Most Recent Edition".

Paving

General

The following list of Standard Construction Documents defines the methods, materials, and testing to be utilized when designing and constructing roadway improvements.

- "Standard Specification for Road and Bridge Construction", latest edition, prepared by Illinois Department of Transportation (IDOT)
- Supplemental Specifications and Recurring Special Provisions, latest editions and updates (IDOT).
- Construction Manual, latest edition (IDOT)
- Soils Manual, latest edition (IDOT)
- Highway Standards, latest edition (IDOT)
- Manual on Uniform Traffic Control Devices, latest edition (Federal Highway Administration)

Protection of Right of Way Improvements

The contractor shall have the responsibility to adequately protect the pavement and property, curb and gutter and other right of way improvements, whether newly constructed or existing, from any and all damage. Sufficient means shall be employed by the contractor to protect against such damage to the satisfaction of the City Engineer. Any new or existing improvements that are damaged shall be repaired or replace in a manner which is satisfactory to the City Engineer.

Parkway Preparation and Restoration

All parkways within the street's right-of-way, which are to have a finished earth surface, shall be graded with topsoil and seeded or sodded. Unsuitable soil, boulders, and other debris, including broken or excess concrete shall be removed from the parkway so as to provide an acceptable subgrade. Stumps shall be removed to a minimum of 12 inches below the proposed finished grade.

After the parkway subgrade has been prepared, acceptable topsoil material shall be placed to a minimum depth of six inches (6") and graded to proposed finish surface.

Flexible Pavement

All streets within City limits shall be constructed of Flexible Pavement unless otherwise approved by the City Engineer. The pavement of all streets and the material used shall comply with the details shown.

Curb and Gutter

The types of curb and gutter allowed shall be either the barrier or mountable type as depicted in the details.

ADA Compatibility

Depressed curbs shall be provided at all intersection of sidewalk and roadway, as approved by the City Engineer. The dimensions and locations shall comply with applicable ADA requirements.

Protective Treatment

All concrete curb, gutter, and sidewalks shall be cured in accordance with IDOT "Standard Specification for Road and Bridge Construction", latest edition. All provisions of Section 1020 shall be employed; in addition when membrane curing compounds are utilized they shall also be a type that provides a protective seal that is satisfactory to the Village Engineer. All membrane products shall be applied in accordance with the manufacturer's recommendations.

Fine Grading

1. Prior to the construction of the curb and gutter and the placement of the base material, the streets shall be fine graded to the final subgrade elevation, to a point two (2) feet beyond the back of the proposed curb.

Curb and Gutter

1. The curbs shall be backfilled after their construction and prior to the placement of the base course.

Storm Sewer

General

The standards and requirements found in this section are for the materials and construction of storm sewer and sump pump drain systems within the City of Wilmington, Illinois.

Pipe

1. Storm Sewer:

- Reinforced concrete pipe, Class IV (ASTM C76) with rubber ring gaskets joints (ASTM C443)
- Reinforced concrete elliptical pipe, Class IV (ASTM C507) with rubber ring gasket joints (ASTM C443)

Structures

1. Inlet, Catch Basin, Manhole:

- Precast Reinforced concrete (ASTM C478) - 5" wall thickness.

Trench Backfill

All trenches for storm sewers falling under or within five (5) feet of proposed or existing paved surfaces, or structures shall be backfilled with select granular material conforming to the gradation of CA 7.

Pipe Bedding

Granular Pipe bedding material or granular cradle shall be required on all storm sewers. Granular pipe bedding shall be a minimum of four (4) inches. The trench shall be backfilled with granular material to the springline of the pipe. The backfilled material shall meet the IDOT gradation of CA 7.

Pipe Cover

All storm sewer pipes shall have a minimum cover of thirty (30) inches cover.

Handling of Pipe

Storm sewer shall be handled in a manner that will prevent damage. Damaged or defective material on the job site shall be rejected and replaced to the satisfaction of the City. Methods of construction conducive to the damage of the pipe shall be corrected when called to the attention of the contractor.

Structures

All structures without sumps shall be provided with a cast in place concrete fillet to provided a smooth flow between pipe sections. Manholes and Catch Basins Type A are to be constructed with steps and a cone or flat top assembly with the opening rotated as necessary to achieve optimal casting alignment.

Adjustments

When structure adjustments are necessary, they will be performed with a maximum of two (2) adjusting rings with a maximum total height of 12". Adjusting rings shall be reinforced concrete for heights greater than two (2) to a maximum of twelve (12) inches. Adjusting rings of a height equal to or less than two (2) inches shall be preformed rubber. If an adjustment is to be made to match a slope, preformed rubber tapered rings must be used.

Storm Sewer Acceptance

Prior to acceptance the storm sewer must be cleaned and operational.

LIST OF IDOT HIGHWAY STANDARDS

000001-05	STANDARDS, SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
602301-02	INLET - TYPE A
602401-02	MANHOLE TYPE A
602701-02	MANHOLE STEPS
604061-02	FRAME AND GRATE TYPE 12
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701901-01	TRAFFIC CONTROL DEVICES

**LEGEND**

<u>PROPOSED</u>		<u>EXISTING</u>
⊙	MANHOLE USE NOTED	⊙
●	INLET	⊙ OR ⊞
⊕	WATER VALVE IN BOX	⊕
⊖	FIRE HYDRANT	⊖
⊗	STREET LIGHT	⊗
⊗⊗	ARTERIAL STREET LIGHT	
⊕	WATER VALVE VAULT	⊕
	UTILITY POLE	⊕
	TREE	⊕
	TREE TO BE REMOVED	⊕
▨	SIDEWALK TO BE REMOVED AND REPLACED	▨
— ) —	STORM SEWER	— ) —
— > —	SANITARY SEWER	— > —
— W —	WATER MAIN (SIZE NOTED)	— W —
	GAS MAIN	— G —
	IBT MAIN	— T —
— X —	CURB & GUTTER REMOVAL	— X —
—	RETAINING WALL	—
— SF —	R.O.W./PROPERTY LINES	—
⊗	SLT FENCE	
⊗	HANDICAP RAMP	
⊗	CATCH BASIN TO BE REMOVED	⊗

**STORMWATER POLLUTION PREVENTION PLAN**

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES, PHASE II. THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME. PRIOR TO CONSTRUCTION, CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS. THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. WASTE DISPOSAL SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM

**WILL-SOUTH COOK SPECIFICATIONS**

1. THE SOIL AND WATER CONSERVATION DISTRICT IS RESPONSIBLE FOR CONDUCTING SITE VISITS AND VERIFYING THAT THE PRACTICES ARE WORKING PROPERLY AND DETERMINE IF ADDITIONAL PRACTICES ARE NEEDED FOR BETTER SOIL EROSION AND SEDIMENTATION CONTROL. IF ADDITIONAL PRACTICES ARE DEEMED NECESSARY BY THE W.S.C.D THE CONTRACTOR WILL IMPLEMENT THE PRACTICES IN A TIMELY MANNER.
2. THE WILL/SOUTH COOK SOIL AND CONSERVATION DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, AND ONE WEEK PRIOR TO THE COMMENCEMENT OF ACTIVITY.
3. THE SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER 1/2 INCH OF RAIN OR MORE BY THE INDIVIDUAL ON SITE IN CHARGE OF SOIL EROSION AND SEDIMENT CONTROL DURING THE CONSTRUCTION OF THE PROJECT.
4. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE REFERENCED FROM THE ILLINOIS URBAN MANUAL.

**SITE DESCRIPTION**

TOTAL SITE - 3.2 ACRES  
 DISTURBED AREAS - 3.2 ACRES  
 ON-SITE WETLANDS - 0.00 ACRES  
 ON-SITE DISTURBED WETLANDS - 0.0 ACRES  
 EXISTING CN VALUE = NOT APPLICABLE  
 POST CONDITIONS CN VALUE = NOT APPLICABLE  
 RECEIVING WATERS : KANKAKEE RIVER

**DESCRIPTION OF CONSTRUCTION FACILITY**

THE PROJECT CONSISTS OF RECONSTRUCTING EXISTING ROADS TO WIDEN THEM AND ADD CURB AND GUTTER AND SIDEWALK. ACTIVITIES WILL INCLUDE EARTH EXCAVATION, ROAD CONSTRUCTION, STORM SEWER INSTALLATION, AND RESTORATION OF DISTURBED AREAS.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. PLACEMENT OF ALL SILT FENCE AND MISCELLANEOUS EROSION CONTROL DEVICES.
2. REMOVAL OF EXISTING ROAD SURFACE AND BASE.
3. INSTALLATION OF STORM SEWER AND ADJUSTMENT OF EXISTING UTILITIES.
4. INSTALLATION OF NEW CURB AND GUTTER, SIDEWALK, AND PAVEMENT.
5. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS EROSION CONTROL BLANKET AND SEEDING.
6. MISCELLANEOUS RESTORATION AND CLEANUP.

**CONTROLS-EROSION CONTROL AND SEDIMENT CONTROL**

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION

1. THE DRAWINGS, SPECIFICATIONS, AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SILT FENCE, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, TEMPORARY SEDIMENT BASINS, DITCH CHECK DAMS, ROCK OUTLET PROTECTION, STORM DRAIN INLET PROTECTION, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
  - (A.) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
  - (B.) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
  - (C.) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
  - (D.) BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
  - (E.) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE, OR EASEMENT LINE.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVER SEEDING CAN BE COMPLETED.

**DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION**

1. SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS" SHALL BE FOLLOWED AS DIRECTED BY THE OWNER, ENGINEER, OR CITY ENGINEER. ANY SOIL EROSION CONTROL MEASURES, IN ADDITION TO THOSE OUTLINED IN THESE PLANS AND WHICH ARE DEEMED NECESSARY BY THE OWNER, ENGINEER, AND/OR CITY ENGINEER, SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.
2. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE SOIL EROSION CONTROL FENCING AND OTHER REQUIRED SOIL EROSION CONTROL DEVICES AS INDICATED HEREON SHALL BE INSTALLED TO PROTECT SURROUNDING PROPERTIES.

3. PERIODIC INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL FACILITIES SHALL BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED.

4. STREETS ADJACENT TO THE SITE SHALL BE KEPT FREE OF DIRT, MUD AND DEBRIS.

5. SEDIMENT SHALL BE MINIMIZED USING PROCEDURES FROM THE "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENT CONTROL IN ILLINOIS BEFORE BEING ALLOWED TO ENTER THE EXISTING STORM SEWER SYSTEM.

6. IN ACCORDANCE WITH THESE CONSTRUCTION PLANS, TEMPORARY SYNTHETIC FILTER FABRIC FENCE SHALL BE INSTALLED AND MAINTAINED AROUND STORM SEWER STRUCTURES, AND IN SWALE AREAS UNTIL VEGETATION IS ESTABLISHED AND/OR CONSTRUCTION IS COMPLETE.

7. TOPSOIL STOCKPILES SHALL BE RELOCATED TO AVOID EROSION OF SAID STOCKPILES ONTO OFFSITE AREAS, I.E. THE STOCKPILE SHALL BE LOCATED SO THAT AN ONSITE DRAINAGE SWALE IS LOCATED BETWEEN THE STOCKPILE AND THE DOWNSTREAM OFFSITE PROPERTY. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN TWELVE MONTHS, IT IS REQUIRED THAT THE STOCKPILE IS SEEDED SO AS TO MINIMIZE SOIL EROSION BY BOTH WIND AND WATER.

8. ALL STORM SEWER, CATCH BASINS, SUMPS AND/OR RETENTION BASINS AFFECTED BY THIS PROJECT ARE TO BE CLEANED AT THE END OF CONSTRUCTION OF THE PROJECT AND PRIOR TO FINAL ACCEPTANCE. CLEANING MAY ALSO BE REQUIRED DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT IF IT IS DETERMINED THAT THE SILT AND DEBRIS TRAPS ARE NOT PROPERLY FUNCTIONING AND THEIR PERFORMANCE IS IMPAIRED.

9. UNLESS SOIL EROSION CONTROL ITEMS ARE SPECIFICALLY REFERRED TO AS BID ITEMS, THEY ARE TO BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT.

10. UPON COMPLETION OF TOPSOIL RESPREAD OPERATIONS, ALL DISTURBED AREAS SHALL BE SEEDED, SODDED OR LANDSCAPED AS NOTED ON THE PLAN.

11. SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. SEED MIXTURE SHALL BE CLASS 1.

12. SLOPES GREATER THAN 6:1 SHALL BE PROTECTED WITH STAPLED EXCELSIOR BLANKET IN ACCORDANCE WITH SECTION 251 OF THE IDOT "STANDARD SPECIFICATIONS", CURRENT ISSUE.

13. SODDING SHALL BE IN ACCORDANCE WITH SECTION 252 OF THE IDOT "STANDARD SPECIFICATIONS". SOD ON SLOPES GREATER THAN 2:1 SHALL BE STAKED IN ACCORDANCE WITH SECTION 252 OF THE IDOT "STANDARD SPECIFICATIONS", ALL PER THE CURRENT ISSUE.

14. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND ANY NECESSARY CORRECTIVE ACTION ASSOCIATED WITH THE EROSION CONTROL MEASURES SO DESIGNATED. THE FOLLOWING ITEMS ARE TO BE PROVIDED BY THE CONTRACTOR IN THE GENERAL SEQUENCE BELOW:

- A. PROVIDE EROSION CONTROL FABRIC PRIOR TO THE START OF CONSTRUCTION.
- B. PROVIDE DIVERSION SWALES AROUND SITE PERIMETER AS NECESSARY TO PREVENT/INTERCEPT STORM WATER RUNOFF TO OFFSITE AREAS.
- C. PROVIDE DIVERSION DITCH/TOPSOIL BERM IN ACCORDANCE WITH TEMPORARY TOPSOIL STOCKPILE DETAIL FOR ALL STOCKPILES PRIOR TO PLACEMENT OF MATERIAL IN SAID STOCKPILE.
- D. PROVIDE SILTATION/DEBRIS COLLECTION "CHANNEL", SYNTHETIC FILTER FABRIC, ETC. AROUND ALL CULVERTS, DITCHES, INLETS, ETC. IN OR AFFECTED BY THE CONSTRUCTION ZONE.
- E. PROVIDE CLEANING OF CONTAMINATED STORM SEWER SYSTEM, CATCH BASINS AND STORM SEWER STRUCTURES IN ACCORDANCE WITH THESE SOIL EROSION CONTROL SPECIFICATIONS.
- F. PROVIDE SYNTHETIC FILTER FABRIC AT ALL INLETS DURING CONSTRUCTION. FABRIC TO BE PLACED BETWEEN GRATE AND CAST IRON FRAME TO ALLOW MAINTENANCE OR REPLACEMENT OF FABRIC BY REMOVING GRATE WITH FRAME TO REMAIN IN PLACE. SAID FILTER FABRIC TO BE MAINTAINED UNTIL ALL "UPSTREAM" AREAS TO A RESPECTIVE INLET HAVE BEEN COMPLETED THROUGH ESTABLISHMENT OF A GRASS TURF.

15. QUALIFIED PERSONNEL (PROVIDED BY THE PERMITTEE) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER RF EQUIVALENT SNOWFALL.

A. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH IV.D.1 (SITE DESCRIPTION) OF THIS PERMIT AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH IV.D.2 (CONTROLS) OF THIS PERMIT SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

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

D. THE PERMITTEE SHALL COMPLETE AND SUBMIT WITHIN 5 DAYS AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING AN INSPECTION CONDUCTED, INCLUDING THOSE NOT REQUIRED BY THE PLAN. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE AGENCY AND INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE.

E. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY AS DEFINED IN PART VI.G (SIGNATORY REQUIREMENTS).

F. ALL REPORTS OF NONCOMPLIANCE SHALL BE MAILED TO THE AGENCY AT THE FOLLOWING ADDRESS:  
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF WATER POLLUTION CONTROL  
 COMPLIANCE ASSURANCE SECTION  
 1021 NORTH GRAND EAST  
 POST OFFICE BOX 19276  
 SPRINGFIELD, ILLINOIS 62794-9276

**DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:**

1. THE DRAWINGS, SPECIFICATIONS, AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SILT FENCE, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, TEMPORARY SEDIMENT BASINS, DITCH CHECK DAMS, ROCK OUTLET PROTECTION, STORM DRAIN INLET PROTECTION, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

2. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.

3. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

**MAINTENANCE AFTER CONSTRUCTION:**

1. SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS" SHALL BE FOLLOWED AS DIRECTED BY THE OWNER, ENGINEER, OR CITY ENGINEER. ANY SOIL EROSION CONTROL MEASURES, IN ADDITION TO THOSE OUTLINED IN THESE PLANS AND WHICH ARE DEEMED NECESSARY BY THE OWNER, ENGINEER AND/OR CITY ENGINEER, SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.
2. INSPECTIONS SHALL CONTINUE AS OUTLINED IN STABILIZATION PRACTICES DURING CONSTRUCTION UNTIL THE COMPLETION OF CONSTRUCTION
3. CONSTRUCTION IS COMPLETE AFTER FINAL INSPECTION AND ACCEPTANCE BY THE VILLAGE OF ROCKDALE. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

**MISCELLANEOUS:**

1. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 5 FT. FALL/RISE IN DITCH GRADE.
2. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.
3. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCIDENTAL TO THE CONTRACT.
4. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

**SCHEDULE OF IMPROVEMENTS**

INSTALL INITIAL EROSION CONTROL PROTECTION	MAY 2009
ROADWAY RECONSTRUCTION AND RELATED ITEMS	MAY 2009 - JULY 2009
PERMANENT RESTORATION	JULY 2009 - AUGUST 2009

**ENGINEER'S CERTIFICATION:**

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

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

\_\_\_\_\_  
 ENGINEER

4-1-09  
 DATE

**CONTRACTOR CERTIFICATION:**

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

CONTRACTOR'S COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE NO.: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

REVISIONS	
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PREPARED BY:  
  
 ENGINEERS & SURVEYORS PLANNERS  
 93 Caterpillar Drive - Joliet, Illinois - 815/729-0777 - FAX 815/729-0782

CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET WIDENING  
 WILMINGTON, ILLINOIS**

PROJECT NO:  
 101.000481  
 DESIGNED BY:  
 A.B.  
 DATE:  
 12/15/08  
 DRAWN BY:  
 B.J.R.  
 SCALE:  
 NONE  
 CHECKED BY:  
 R.A.R.

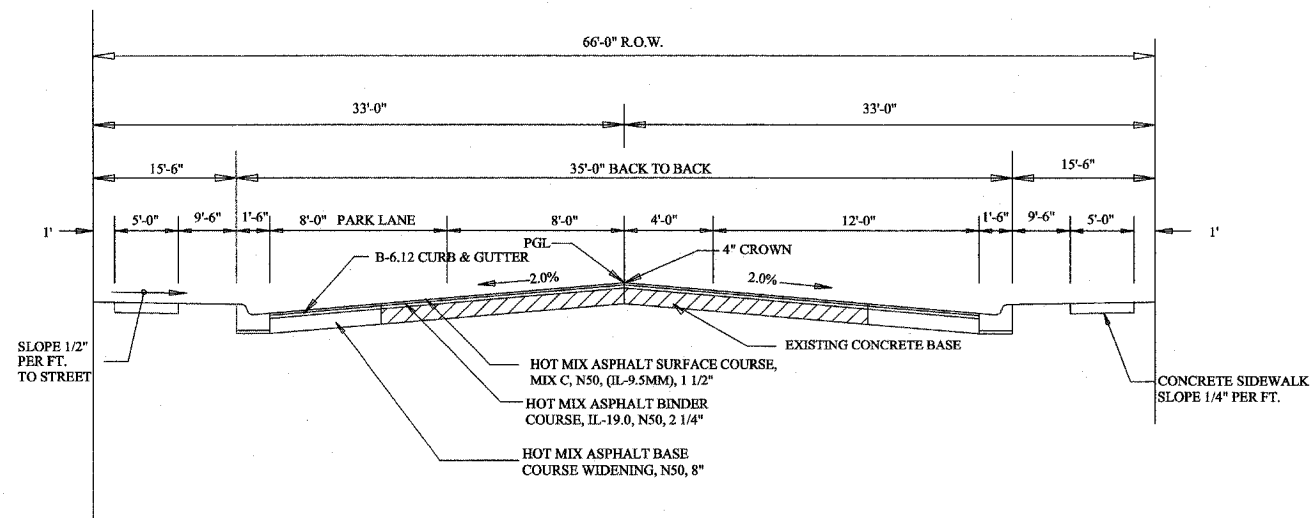
**STORMWATER POLLUTION  
 PREVENTION PLAN**

FAU RTE. 321 SECTION 04-00034-00-FP COUNTY WILL TOTAL SHEETS 22  
 F.H.W.A. REG. ILLINOIS PROJECT: M-8003187 CONTRACT NO. 63171

SHEET 3

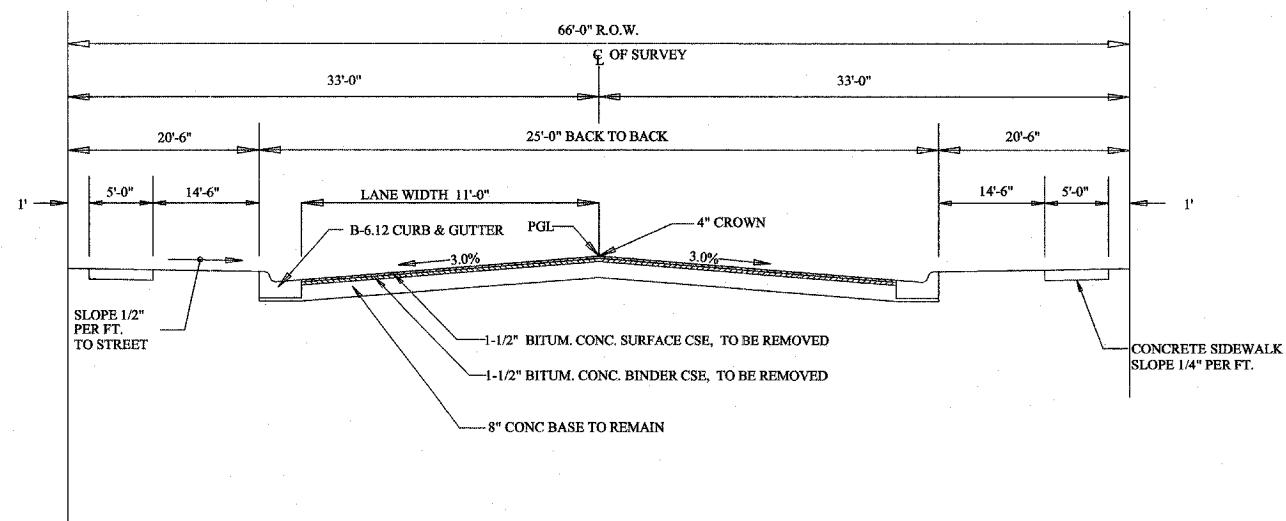
PAY ITEM #	ITEM	UNIT	TOTAL QUANTITY	I 000 - 2 <sup>A</sup> QUANTITY
20100210	TREE REMOVAL (OVER 15 UNITS DIA)	UNITS	146	146
20200500	EARTH EXCAVATION (WIDENING)	CY	1308	1308
20700220	POROUS GRANULAR EMBANKMENT	CY	100	100
20800150	TRENCH BACKFILL	CY	640	640
21101615	TOPSOIL FURNISH AND PLACE, 4"	SY	5150	5150
25200110	SODDING, SALT TOLERANT	SY	5150	5150
25200200	SUPPLEMENTAL WATERING	UNIT	50	50
28000400	PERIMETER EROSION BARRIER	FOOT	3794	3794
28000510	INLET FILTERS	EA	35	35
35102000	AGGREGATE BASE COURSE TYPE B - 8"	SY	180	180
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING - 8"	SY	2940	2940
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	720	720
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	120	120
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19, N50	TON	1114	1114
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50	TON	780	780
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SF	6650	6650
42400800	DETECTABLE WARNINGS	SF	500	500
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SY	6680	6680
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4610	4610
44000600	SIDEWALK REMOVAL	SF	6650	6650
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	990	990
55019800	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 21"	FOOT	25	25
55020000	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 27"	FOOT	20	20
55100300	STORM SEWER REMOVAL, 8"	FOOT	750	750
* 56400500	FIRE HYDRANT TO BE REMOVED	EA	2	2
* 56400820	FIRE HYDRANT WITH AUXILARY VALVE AND VALVE BOX	EA	2	2
60218400	MANHOLES, TYPE A, 4' DIAMETER TYPE 1 FRAME, CLOSED LID	EA	3	3
60221100	MANHOLES, TYPE A, 5' DIAMETER TYPE 1 FRAME, CLOSED LID	EA	1	1
60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EA	35	35
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EA	22	22
60500050	REMOVING CATCHBASINS	EA	35	35
60603800	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12	FOOT	4610	4610
67100100	MOBILIZATION	LS	1	1
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LS	1	1
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4080	4080
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	600	600
X0322924	RETAINING WALL REMOVAL	SF	180	180
X0656100	DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT	SY	1380	1380
XX001910	PRECAST BLOCK RETAINING WALL	SF	180	180
XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SY	1510	1510
△ Z0076600	TRAINEES	HOURL	500	500

△ Y080 \* SPECIALTY ITEMS



**PROPOSED STREET SECTION**  
NOT TO SCALE

- NOTES:**
1. ALL CURBS AND SIDEWALKS SHALL BE CONSTRUCTED WITH IDOT CLASS "SI" CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 14 DAYS.
  2. PARKWAYS SHALL BE FINISHED WITH A MINIMUM OF SIX INCHES OF TOPSOIL AND SOD.
  3. TESTING OF SUBGRADE AND ALL ROADWAY MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS.



**EXISTING STREET SECTION**  
NOT TO SCALE

HOT-MIX MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	VOIDS
<b>RESURFACING &amp; WIDENING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, IL-9.5 MM, 1 1/2"	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	PG 64-22*	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE WIDENING, (HMA BINDER IL-19MM) N50, 8"	PG 64-22*	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50	PG 64-22	4% @ 50 GYR
<b>DRIVEWAYS</b>		
HMA SURFACE COURSE, MIX C, N50 (IL 9.5 mm), 2"	PG 64-22	4% @ 50 GYR
HOT MIS ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	PG 64-22	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS./SQ. YD/IN.  
\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

REVISIONS	
1	6
2	7
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PREPARED BY:  
**ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS • SURVEYORS • PLANNERS  
 93 Caterpillar Drive • Joliet, Illinois • 815/728-0777 • FAX 815/728-0782

CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET WIDENING  
 WILMINGTON, ILLINOIS**

PROJECT NO:  
**101.000481**  
 DATE:  
**12/15/08**  
 SCALE:  
**NONE**

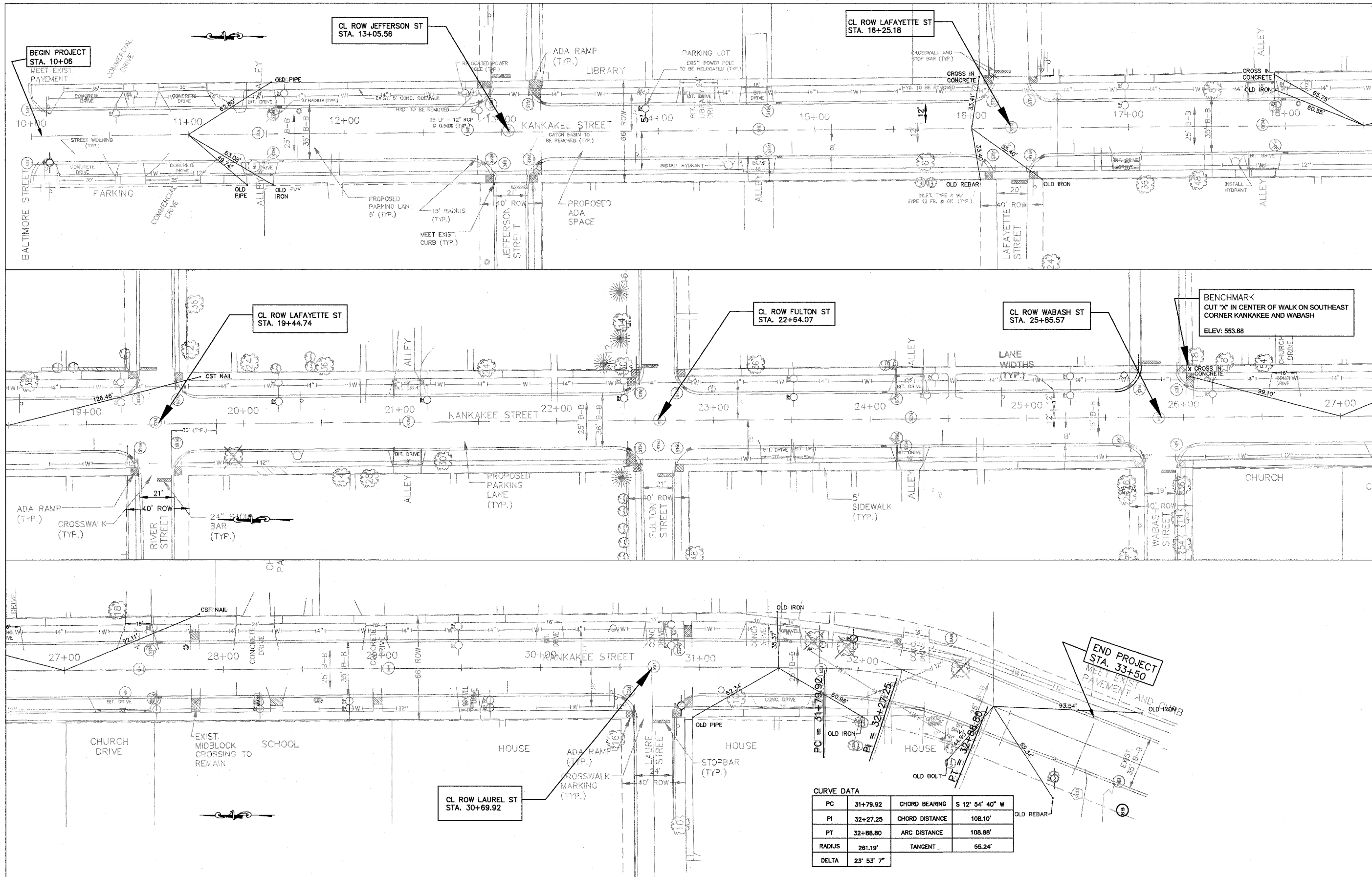
DESIGNED BY:  
**A.B.**  
 DRAWN BY:  
**B.J.R.**  
 CHECKED BY:  
**R.A.R.**



# SCHEDULE OF QUANTITIES

PAY ITEM #	ITEM	UNIT	TOTAL QUANTITY	STA. 10+06 TO STA. 17+50	STA. 17+50 TO STA. 27+00	STA. 27+00 TO STA. 33+00
20100210	TREE REMOVAL (OVER 15 UNITS DIA)	UNITS	146	0	48	98
20200500	EARTH EXCAVATION (WIDENING)	CY	1308	432	536	340
20700220	POROUS GRANULAR EMBANKMENT	CY	100	100	0	0
20800150	TRENCH BACKFILL	CY	640	280	280	80
21101615	TOPSOIL FURNISH AND PLACE, 4"	SY	5150	1730	1820	1600
25200110	SODDING, SALT TOLERANT	SY	5150	1730	1820	1600
25200200	SUPPLEMENTAL WATERING	UNIT	50	17	21	12
28000400	PERIMETER EROSION BARRIER	FOOT	3794	1264	1410	1120
28000510	INLET FILTERS	EA	35	14	16	5
35102000	AGGREGATE BASE COURSE TYPE B - 8"	SY	180	180	0	0
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING - 8"	SY	2940	971	1205	764
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	720	238	295	187
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	120	40	49	31
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	0	0
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19, N50	TON	1114	368	457	289
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50	TON	780	258	320	202
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SF	6650	2195	2726	1729
42400800	DETECTABLE WARNINGS	SF	500	165	205	130
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SY	6680	2204	2740	1736
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4610	1522	1890	1198
44000600	SIDEWALK REMOVAL	SF	6650	2194	2726	1730
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	990	400	490	100
55019800	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 21"	FOOT	25	0	25	0
55020000	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 27"	FOOT	20	20	0	0
55100300	STORM SEWER REMOVAL, 8"	FOOT	750	330	320	100
56400500	FIRE HYDRANT TO BE REMOVED	EA	2	2	0	0
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EA	2	2	0	0
60218400	MANHOLES, TYPE A, 4' DIAMETER TYPE 1 FRAME, CLOSED LID	EA	3	1	1	1
60221100	MANHOLES, TYPE A, 5' DIAMETER TYPE 1 FRAME, CLOSED LID	EA	1	0	1	0
60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EA	35	14	16	5
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EA	22	9	9	4
60500060	REMOVING CATCHBASINS	EA	35	14	16	5
60603800	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6-12	FOOT	4610	1520	1890	1200
67100100	MOBILIZATION	LS	1	1	0	0
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LS	1	1	0	0
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4080	1348	1672	1060
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	600	198	246	156
X0322924	RETAINING WALL REMOVAL	SF	180	0	180	0
X0656100	DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT	SY	1380	457	565	358
XX001910	PRECAST BLOCK RETAINING WALL	SF	180	0	180	0
XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SY	1510	500	620	390
20076600	TRAINEES	HOUR	500	165	205	130

TREE REMOVAL SCHEDULE (UNITS DIA.)		
STATION	DISTANCE FROM CENTER LINE	OVER 15" DIA.
19+94	19' R	48"
31+72	16' L	42"
31+93	14' L	20"
32+65	15' L	36"



REVISIONS	
1	6
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PREPARED BY:  
**ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS - SURVEYORS - PLANNERS  
 93 Caterpillar Drive - Joliet, Illinois - 815/729-0777 - FAX 815/729-0782

CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET WIDENING**

PROJECT NO.: 0101.000481  
 DATE: 12/15/08  
 SCALE: 1" = 30'

DESIGNED BY: A.B.  
 DRAWN BY: B.J.R.  
 CHECKED BY: R.A.R.

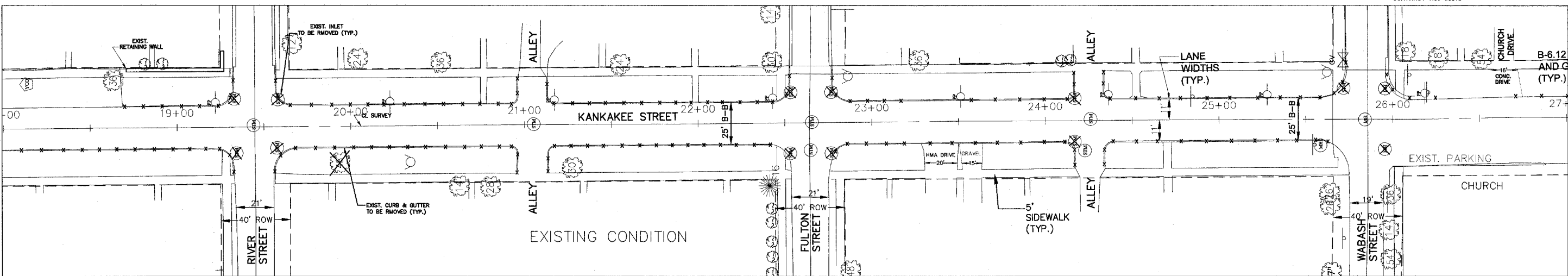
**ALIGNMENT, TIES, AND BENCHMARKS**

SHEET 7

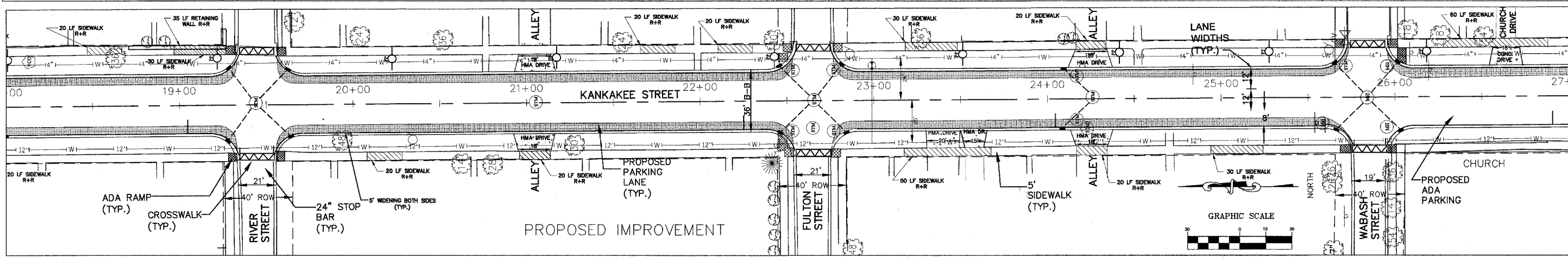




MATCH LINE STA. 18+00  
SEE SHEET 9

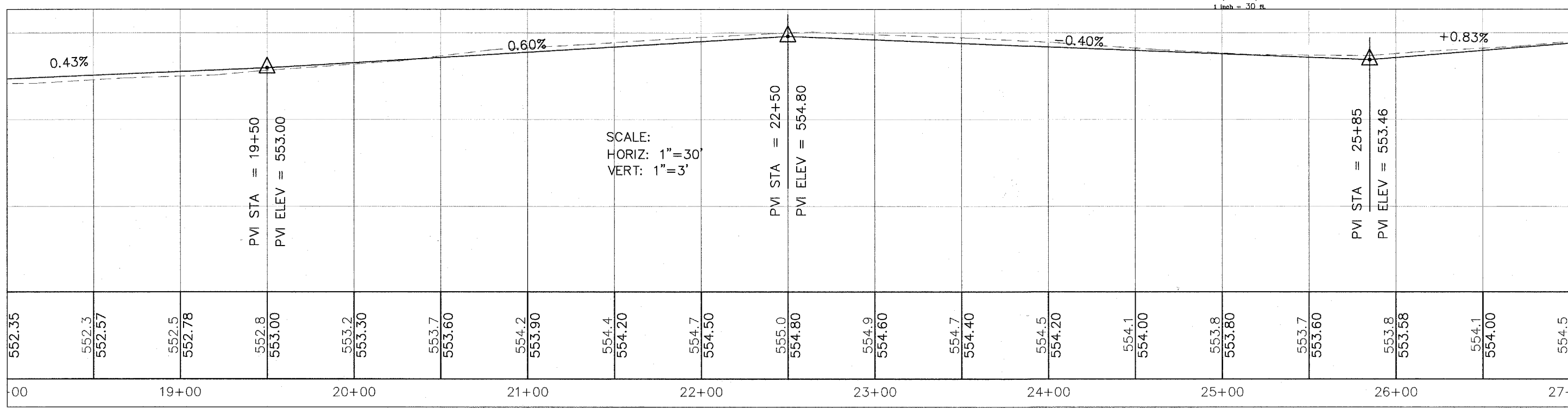


MATCH LINE STA. 18+00  
SEE SHEET 9



MATCH LINE STA. 27+00  
SEE SHEET 10

MATCH LINE STA. 27+00  
SEE SHEET 10



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PREPARED BY:  

**ROGINA**  
 & ASSOCIATES, LTD.  
 ENGINEERS - SURVEYORS - PLANNERS  
 93 Caterpillar Drive - Joliet, Illinois - 815/729-0777 - FAX 815/729-0782

CLIENT:  
**CITY OF WILMINGTON**

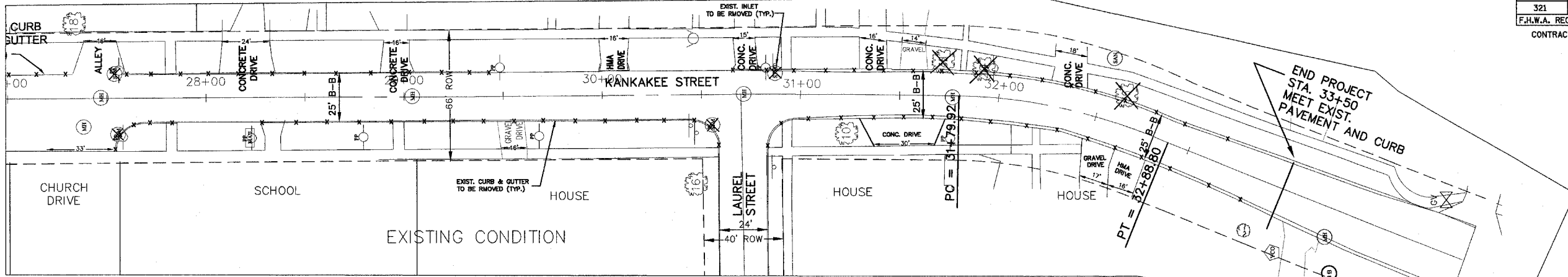
PROJECT:  
**KANKAKEE STREET  
 WIDENING**

PROJECT NO:  
**0101.000481**  
 DATE:  
**12/15/08**  
 SCALE:  
**1"=30'**

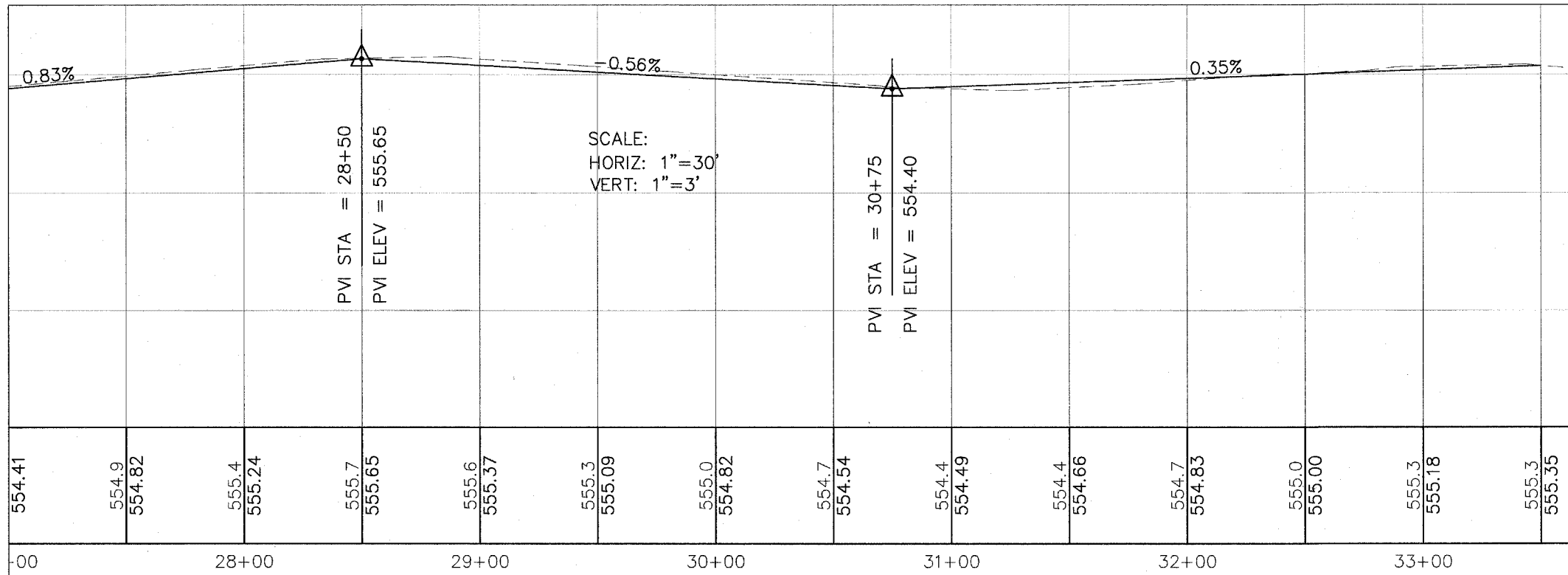
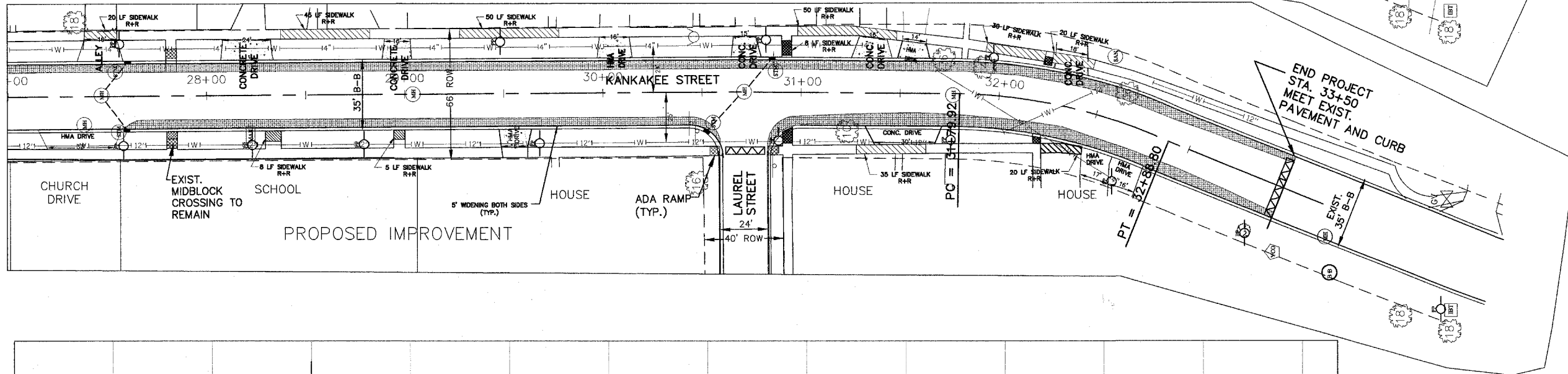
DESIGNED BY:  
**A.B.**  
 DRAWN BY:  
**B.J.R.**  
 CHECKED BY:  
**R.A.R.**

**PLAN & PROFILE**  
**STA. 18+00 - STA. 27+00**

MATCH LINE STA. 27+00  
SEE SHEET 9



MATCH LINE STA. 27+00  
SEE SHEET 9



REVISIONS	
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PREPARED BY:  
**ROGINA**  
 & ASSOCIATES, LTD.  
 ENGINEERS & SURVEYORS PLANNERS  
 93 Caterpillar Drive • Joliet, Illinois • 815/729-0777 • FAX 815/729-0768

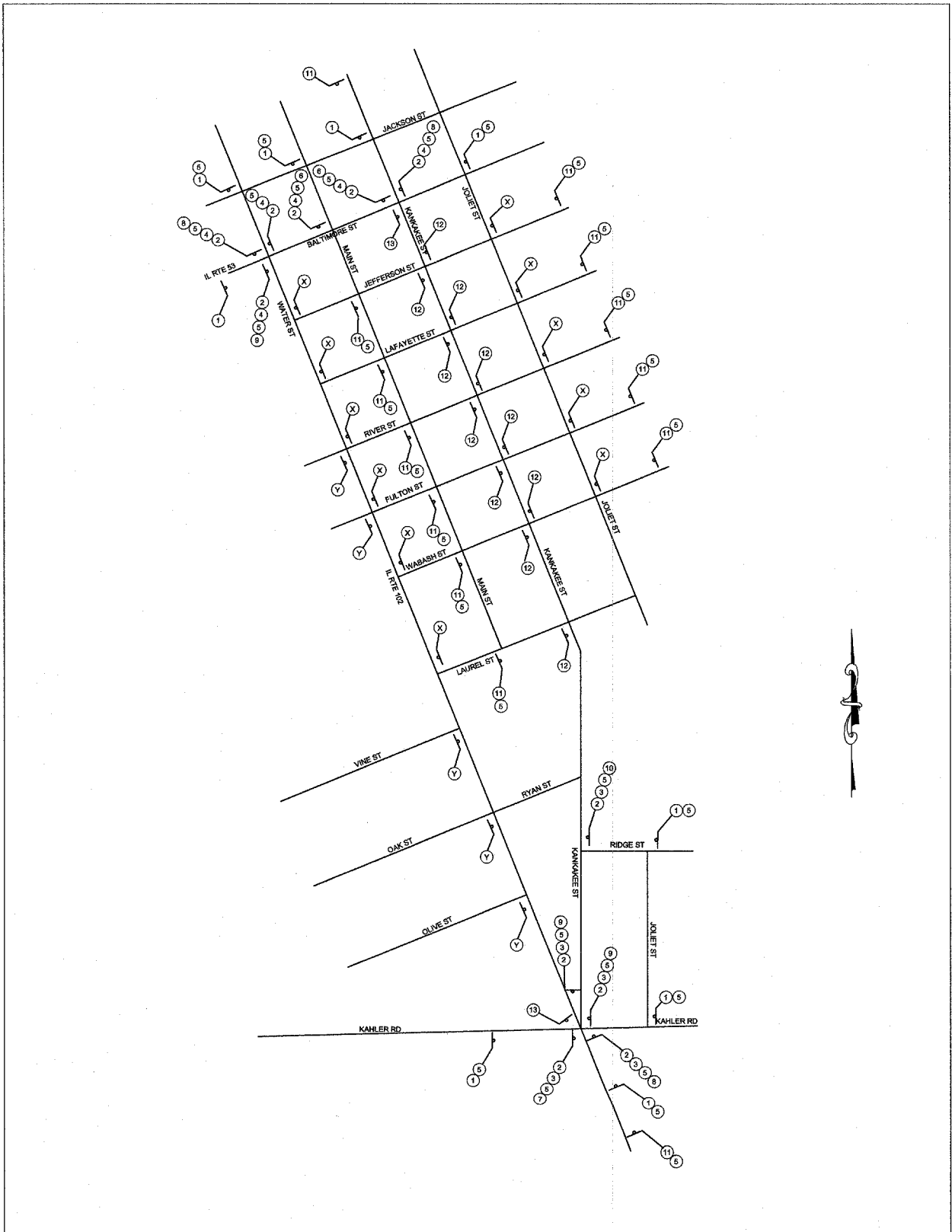
CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET  
 WIDENING**

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 12/15/08  
 DRAWN BY:  
 B.J.R.  
 SCALE:  
 1"=30'  
 CHECKED BY:  
 R.A.R.

**PLAN & PROFILE**  
**STA. 27+00 - STA. 33+00**

# DETOUR PLAN



## LEGEND

- ① DETOUR AHEAD W20-2 48" X 48"
- ② DETOUR M4-B 24" X 12"
- ③ NORTH M3-3 24" X 12"
- ④ SOUTH M3-1 24" X 12"
- ⑤ KANKAKEE STREET M1-1100 24" X 24"
- ⑥ M5-1 21" X 15"
- ⑦ M5-1 21" X 15"
- ⑧ M5-3 21" X 15"
- ⑨ M5-1 21" X 15"
- ⑩ M5-1 21" X 15"
- ⑪ ROAD CLOSED AHEAD W20-2 48" X 48"
- ⑫ ROAD CLOSED ON TYPE II BARRICADE R11-2 48" X 30"
- ⑬ END DETOUR M4-BA 24" X 18"
- ⑭ KANKAKEE STREET CLOSED FROM BALTIMORE ST. TO KAHLER RD. INFORMATIONAL SIGN
- X = ③ ⑤ ⑥  
② ④ ⑥ ⑦
- Y = ③ ⑤ ⑦  
② ④ ⑤ ⑥
- SIGN ON PERMANENT SUPPORT WITH MONO DIRECTIONAL WARNING LIGHTS & ORANGE FLAG ATTACHED

## NOTES:

- THIS ITEM SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 900; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND THE APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL; UNLESS HEREIN REVISED.
- NO CONSTRUCTION SHALL BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE ENGINEER
- TRAFFIC CONTROL DEPICTED IS THE MINIMUM REQUIREMENT. OTHER SIGNS OR BARRICADES MAY BE REQUIRED BY THE ENGINEER TO COVER UNFORSEEN SITUATIONS OF PROJECT SEQUENCING. ADHERANCE TO THIS TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR FROM LIABILITY OR RESPONSIBILITY IN PROVIDING COMPLETE TRAFFIC SFETY FOR MOTORISTS AND CONSTRUCTION PERSONNEL.

REVISIONS	
1	6
2	7
3	8
4	9
5	10

PREPARED BY:  
**ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS SURVEYORS PLANNERS  
 99 Caterpillar Drive • Joliet, Illinois • 815/728-0777 • FAX 815/728-0782

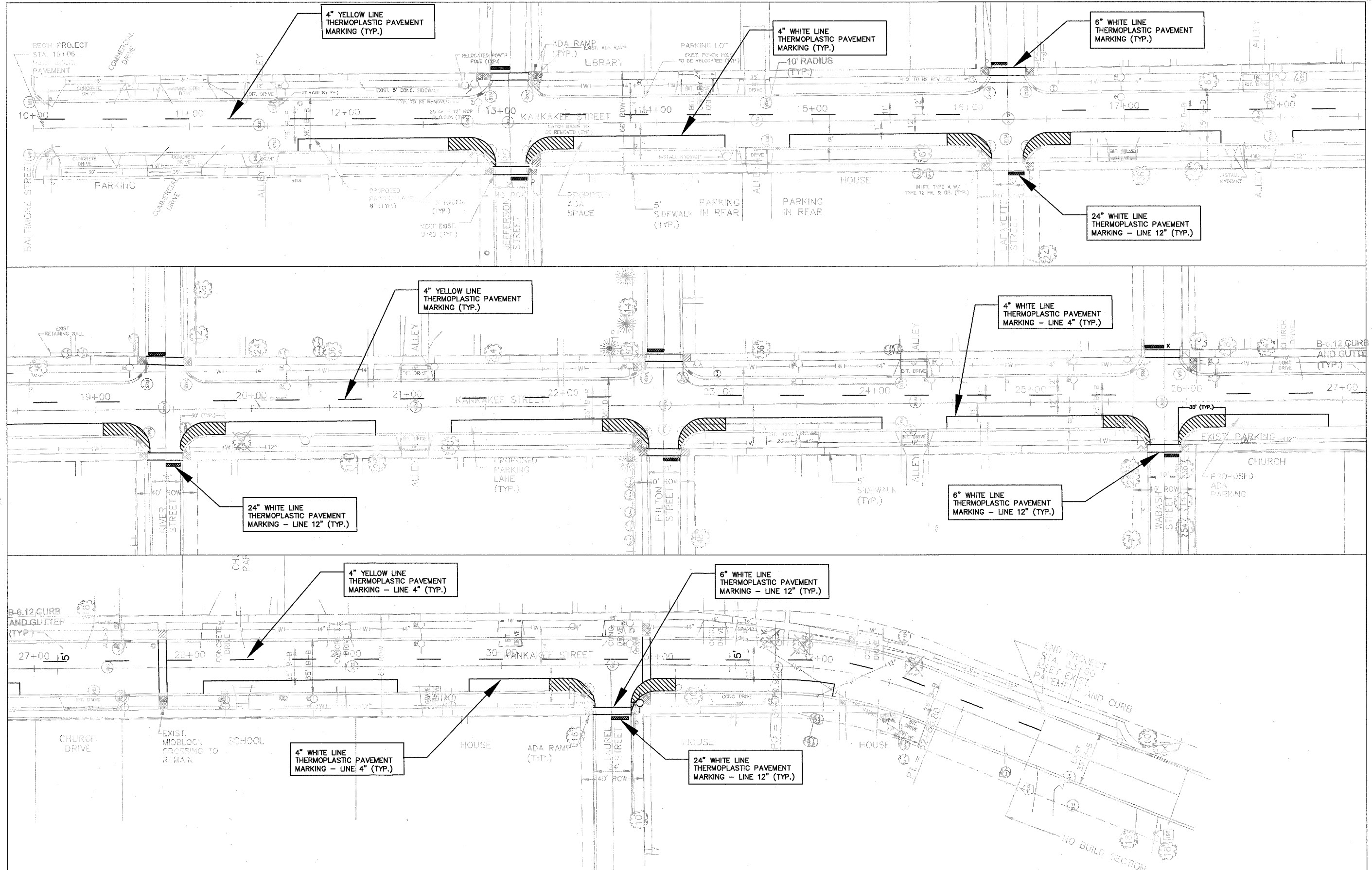
CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET WIDENING  
 WILMINGTON, ILLINOIS**

PROJECT NO:  
**101.000481**  
 DATE:  
**12/15/08**  
 SCALE:  
 NONE

DESIGNED BY:  
**A.B.**  
 DRAWN BY:  
**B.J.R.**  
 CHECKED BY:  
**R.A.R.**

**TRAFFIC CONTROL PLAN**



REVISIONS	
1	6
2	7
3	8
4	9
5	10

PREPARED BY:  
**ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS SURVEYORS PLANNERS  
 93 Caterpillar Drive • Joliet, Illinois • 815/729-0777 • FAX 815/729-0782

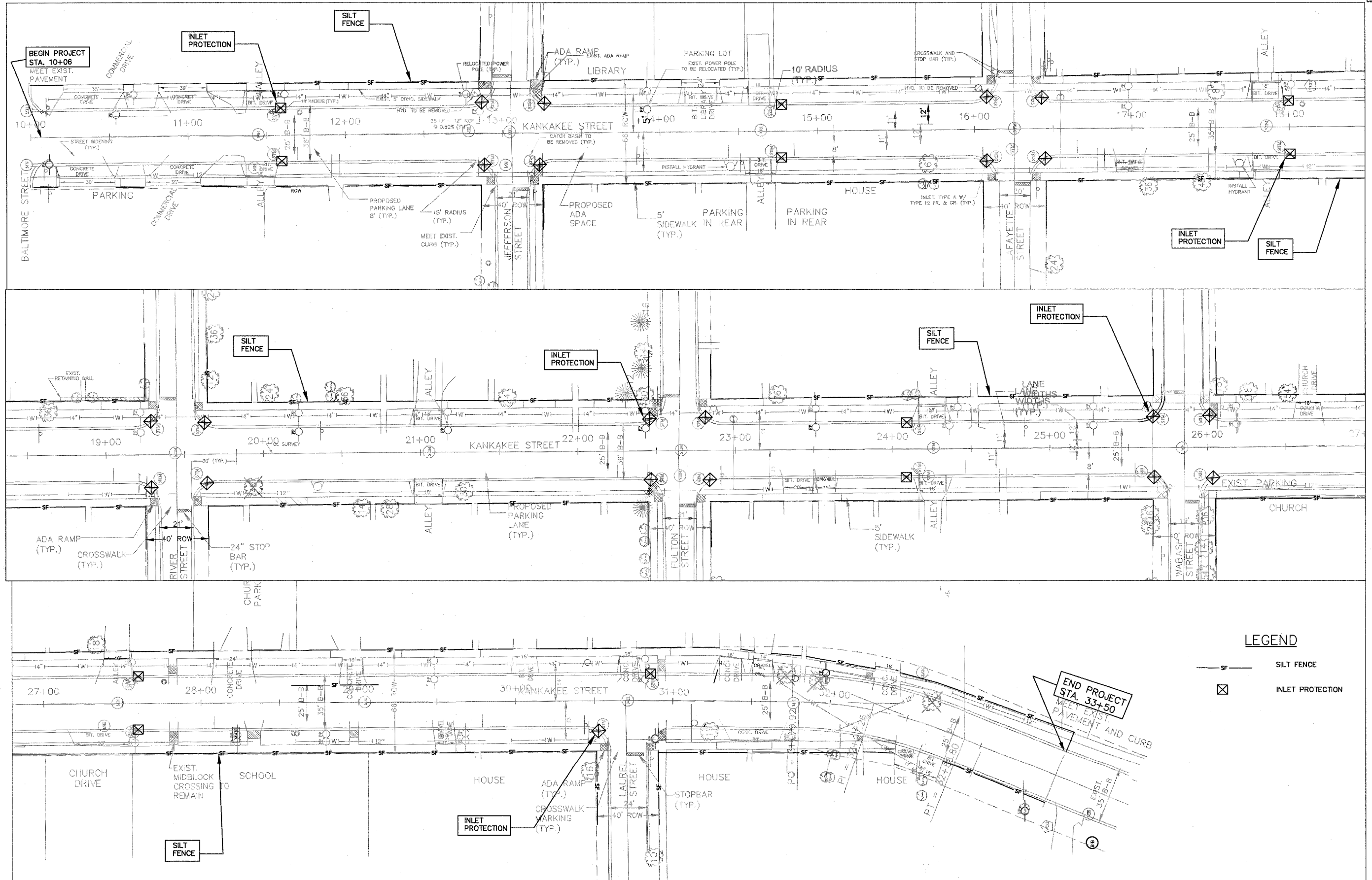
CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET WIDENING**

PROJECT NO:  
 0101.000481  
 DATE:  
 12/15/08  
 SCALE:  
 1" = 20'

DESIGNED BY:  
 A.B.  
 DRAWN BY:  
 B.J.R.  
 CHECKED BY:  
 R.A.R.

**PAVEMENT MARKING PLAN**



**LEGEND**

— SF — SILT FENCE

⊠ INLET PROTECTION

REVISIONS	
1	6
2	7
3	8
4	9
5	10

PREPARED BY:

**ROGINA & ASSOCIATES, LTD.**  
ENGINEERS • SURVEYORS • PLANNERS

93 Caterpillar Drive • Joliet, Illinois • 815/720-0777 • FAX 815/720-0782

CLIENT:

**CITY OF WILMINGTON**

PROJECT:

**KANKAKEE STREET WIDENING**

PROJECT NO:  
**0101.000481**

DESIGNED BY:  
**A.B.**

DATE:  
**12/15/08**

SCALE:  
**1" = 30'**

DRAWN BY:  
**B.J.R.**

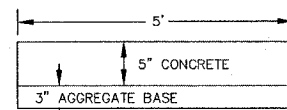
CHECKED BY:  
**R.A.R.**

**EROSION CONTROL PLAN**

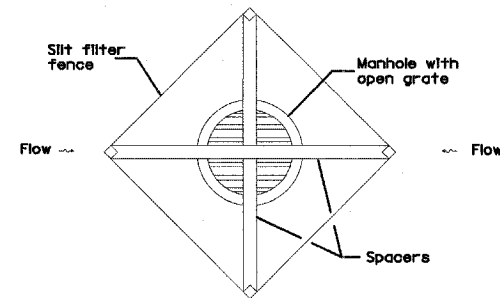
SHEET **13** OF **22**



NOTE: CONCRETE SHALL CONTAIN 6"X6" WOVEN WIRE MESH AT LOCATIONS WHERE SIDEWALK CROSSES ALLEYS AND DRIVEWAYS

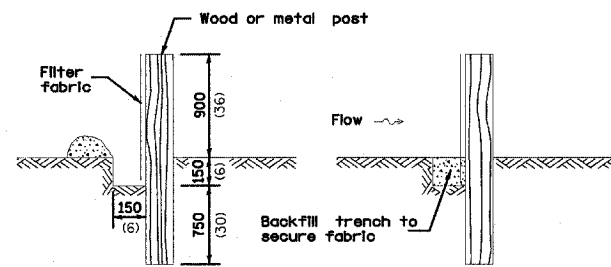


**SIDEWALK DETAIL**  
NOT TO SCALE



**INLET PROTECTION**

- NOTES:
1. ALL CURBS AND SIDEWALKS SHALL BE CONSTRUCTED WITH IDOT CLASS "SI" CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 14 DAYS.
  2. PARKWAYS SHALL BE FINISHED WITH A MINIMUM OF SIX INCHES OF TOPSOIL AND SOD.
  3. TESTING OF SUBGRADE AND ALL ROADWAY MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS.



**SILT FILTER FENCE AS A PERIMETER EROSION BARRIER**

REVISIONS	
1	8
2	7
3	8
4	9
5	10

PREPARED BY:

**ROGINA**  
& ASSOCIATES, LTD.  
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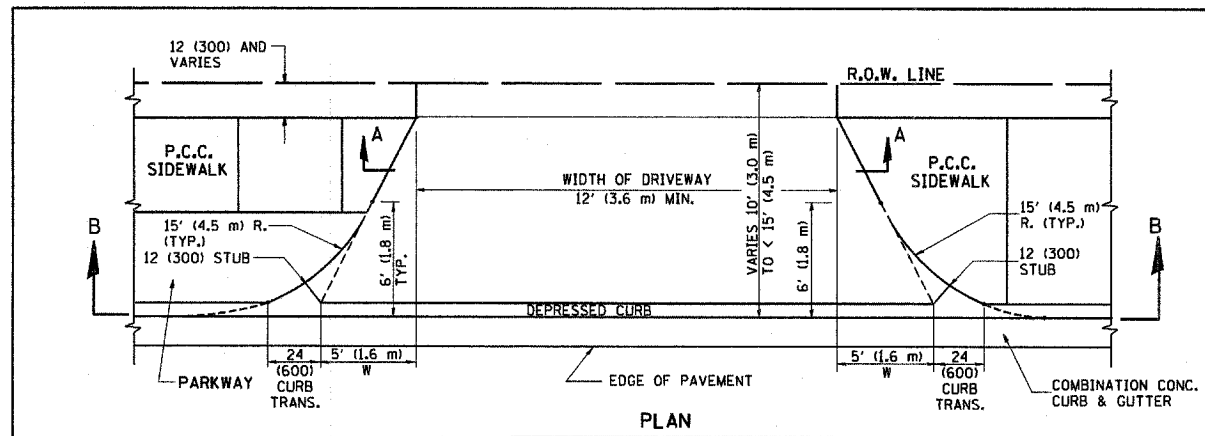
CLIENT:

**CITY OF WILMINGTON**

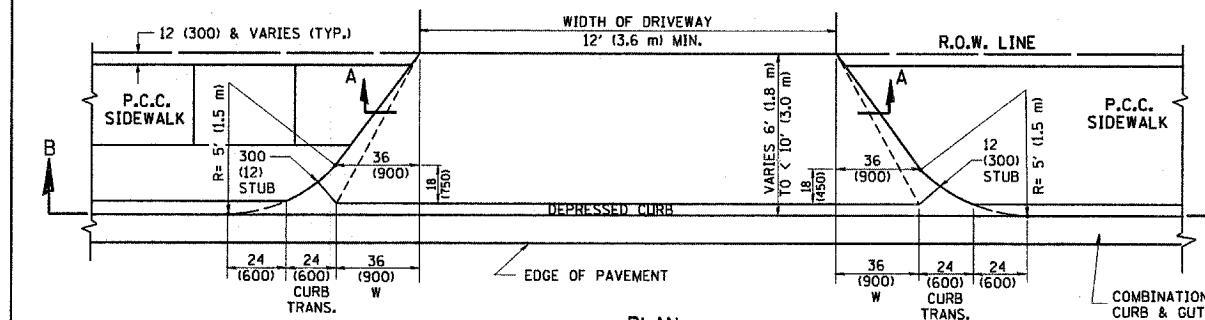
PROJECT:

**KANKAKEE STREET WIDENING  
WILMINGTON, ILLINOIS**

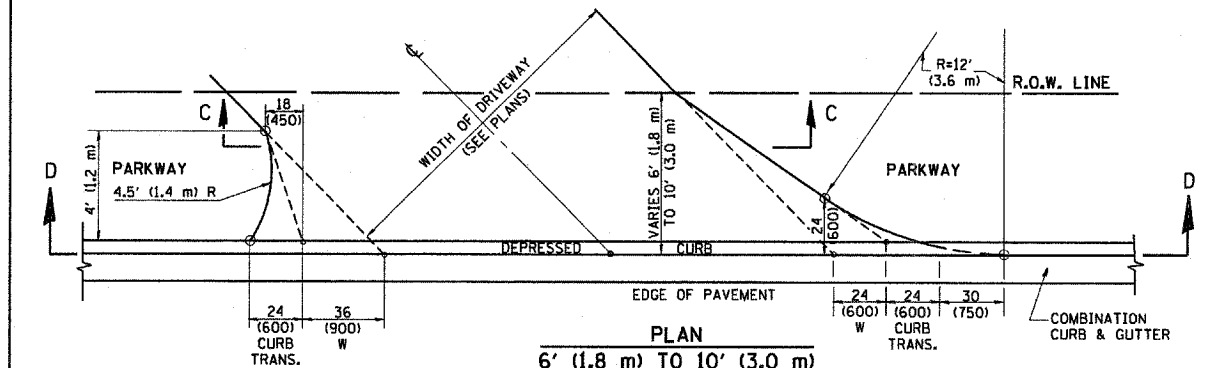
PROJECT NO: 101.000481	DESIGNED BY: A.B.
DATE: 12/15/08	DRAWN BY: B.J.R.
SCALE: NONE	CHECKED BY: R.A.R.



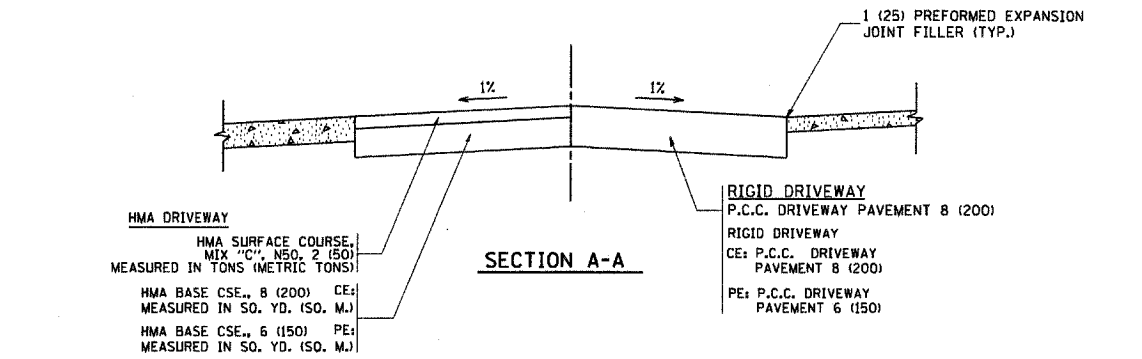
PLAN  
10' (3.0 m) TO < 15' (4.5 m)



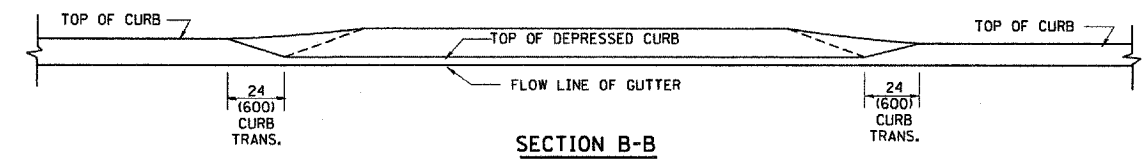
PLAN  
6' (1.8 m) TO < 10' (3.0 m)



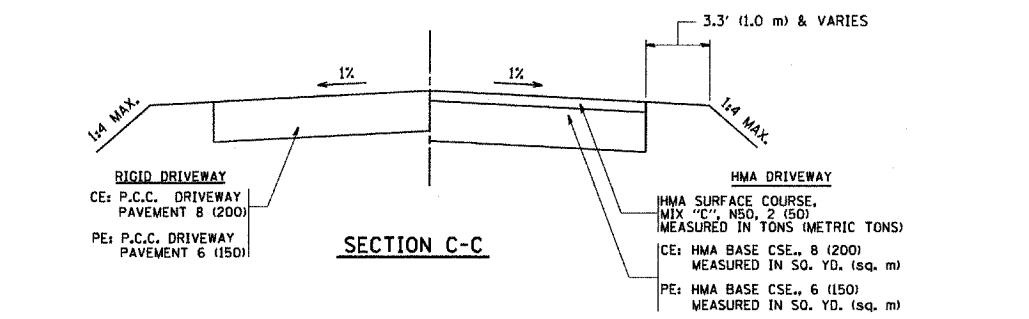
PLAN  
6' (1.8 m) TO 10' (3.0 m)



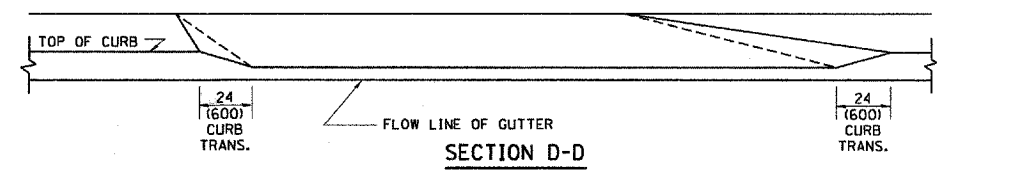
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

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 ILLUSTRATION 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 8' (2.4 m), 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.

THE 1 (25) 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 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME = W:\data\04\22x34\bd02.dgn	USER NAME = geglernob	DESIGNED - R. SHAH	REVISED - T. HOLTZ 04-08-97
		DRAWN - M. GOMEZ 04-06-01	REVISED - M. GOMEZ 04-06-01
		CHECKED - P. LOFLEUR 04-15-03	REVISED - P. LOFLEUR 04-15-03
		DATE - 11-06-95	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	TO STA.
SHEET NO. 1 OF 1 SHEETS	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-02 (BD-02)			
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO.	

REVISIONS	
1	6
2	7
3	8
4	9
5	10

PREPARED BY:  
**ROGINA & ASSOCIATES, LTD.**  
ENGINEERS SURVEYORS PLANNERS  
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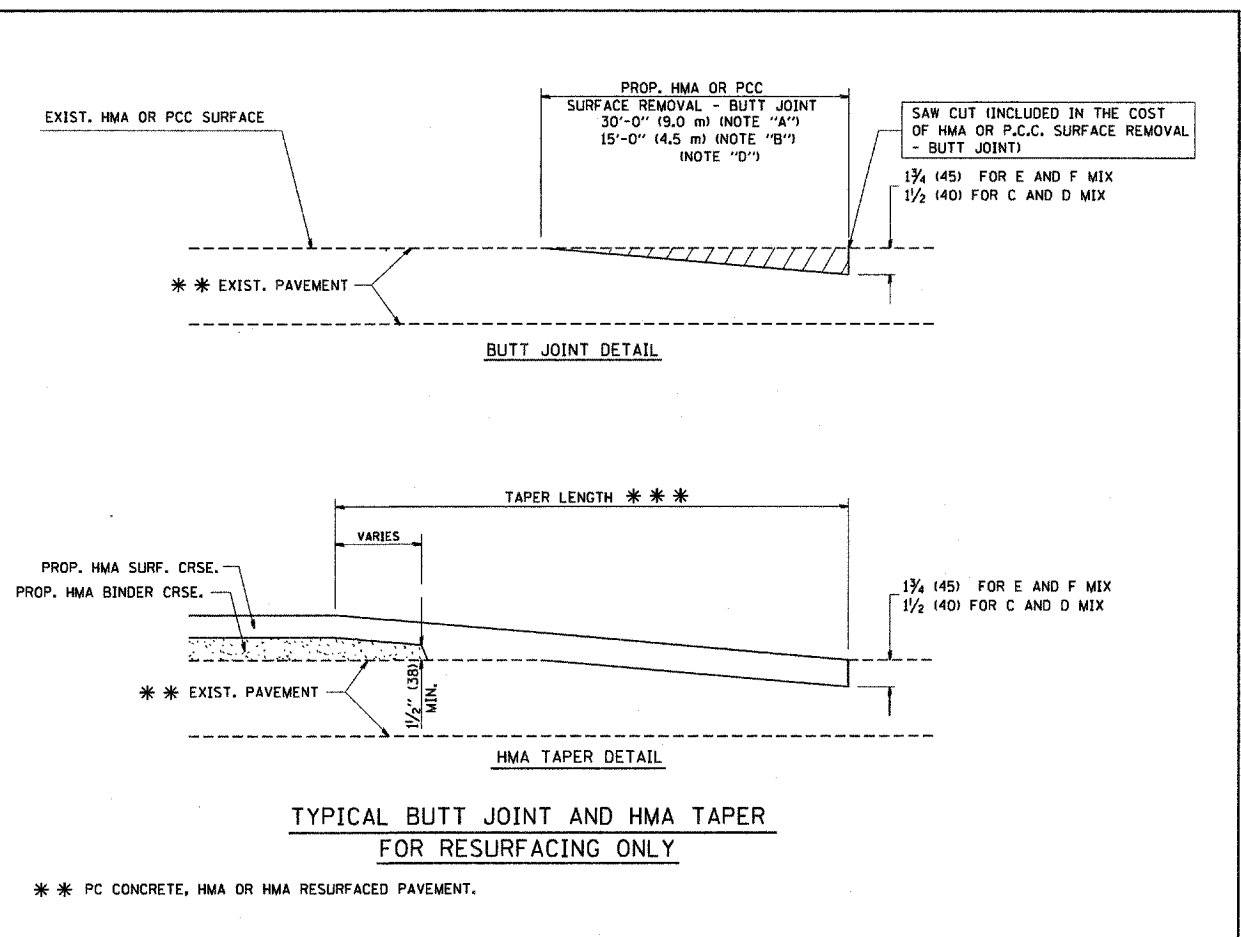
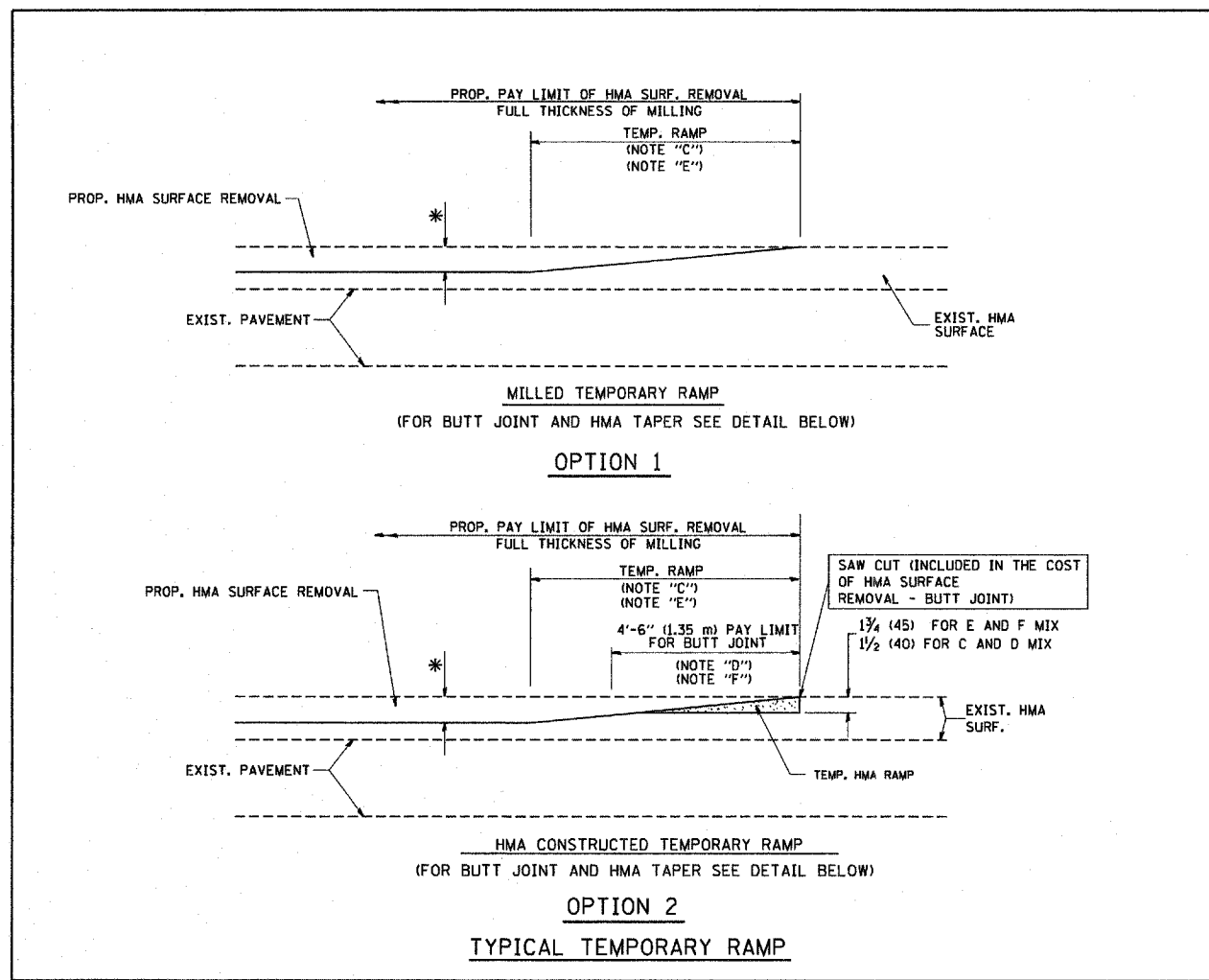
CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET WIDENING  
WILMINGTON, ILLINOIS**

PROJECT NO:  
101.000481  
DATE:  
12/15/08  
SCALE:  
NONE

DESIGNED BY:  
A.B.  
DRAWN BY:  
B.J.R.  
CHECKED BY:  
R.A.R.

**CONSTRUCTION DETAILS**



**NOTES**

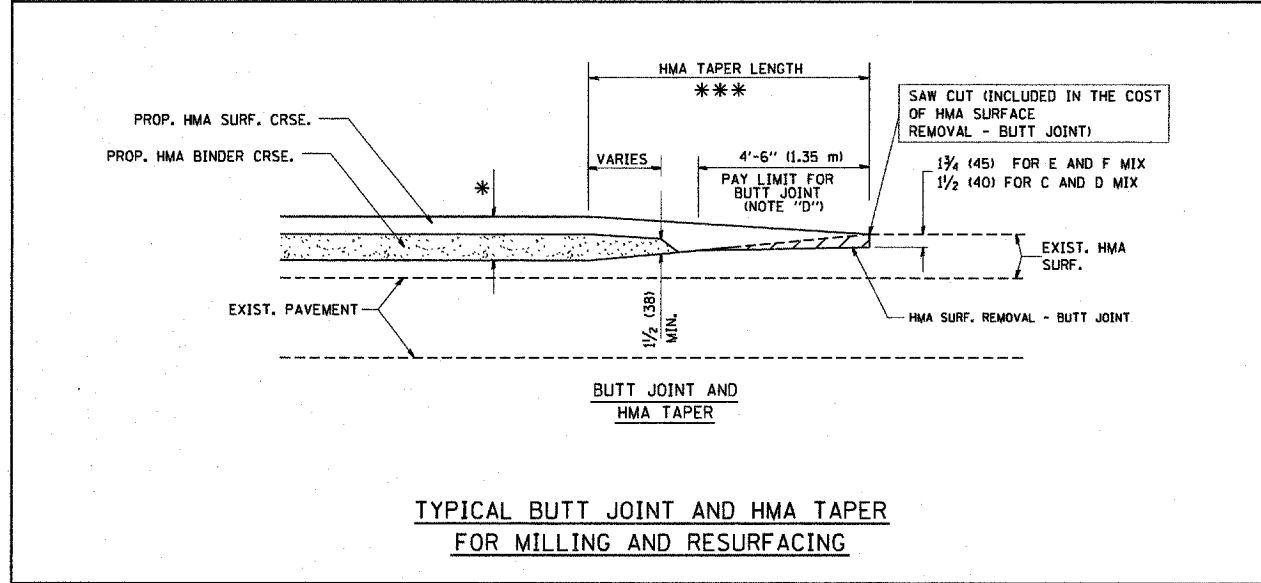
A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.  
 B: MINOR SIDE ROADS.  
 C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.  
 D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.  
 E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
 F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT  
 G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

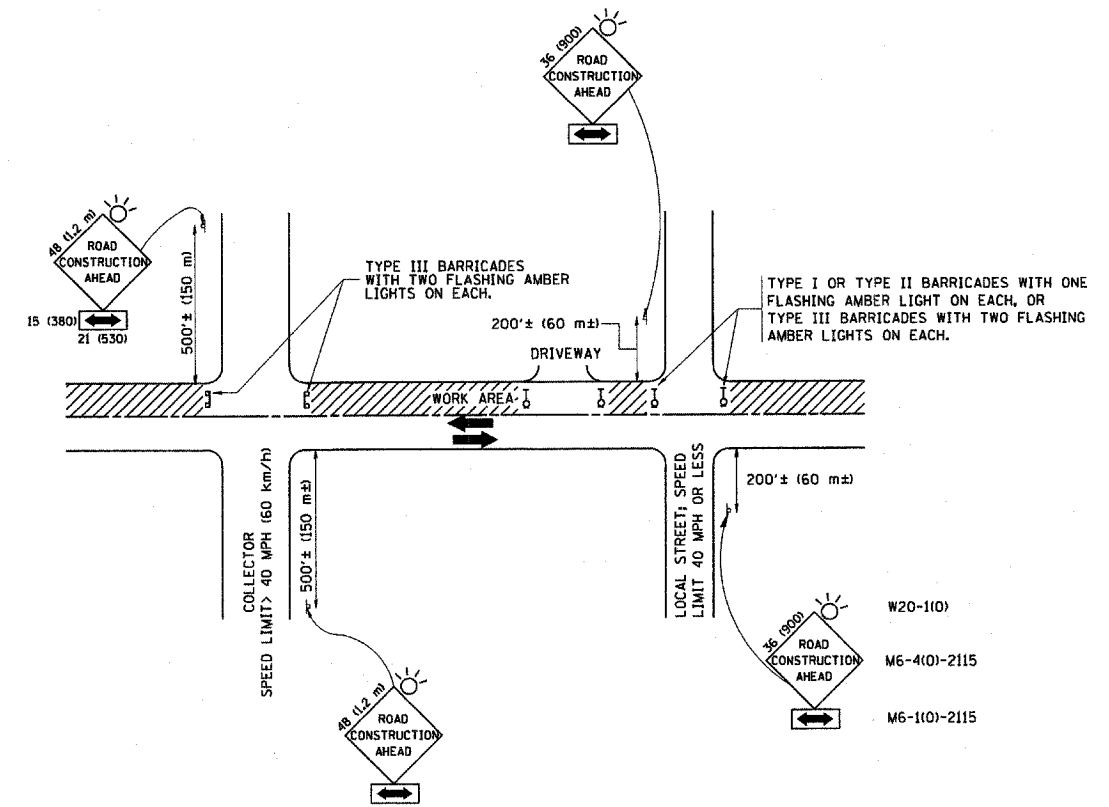
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**  
 THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



FILE NAME = W:\drt\etd\22x34\bd32.dgn	USER NAME = geglianob	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,000' / 1" IN.	CHECKED -	REVISED - A. ABBAS 03-21-97	BD400-05			BD32	CONTRACT NO.			
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		REVISED - R. BORO 01-01-07	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.							



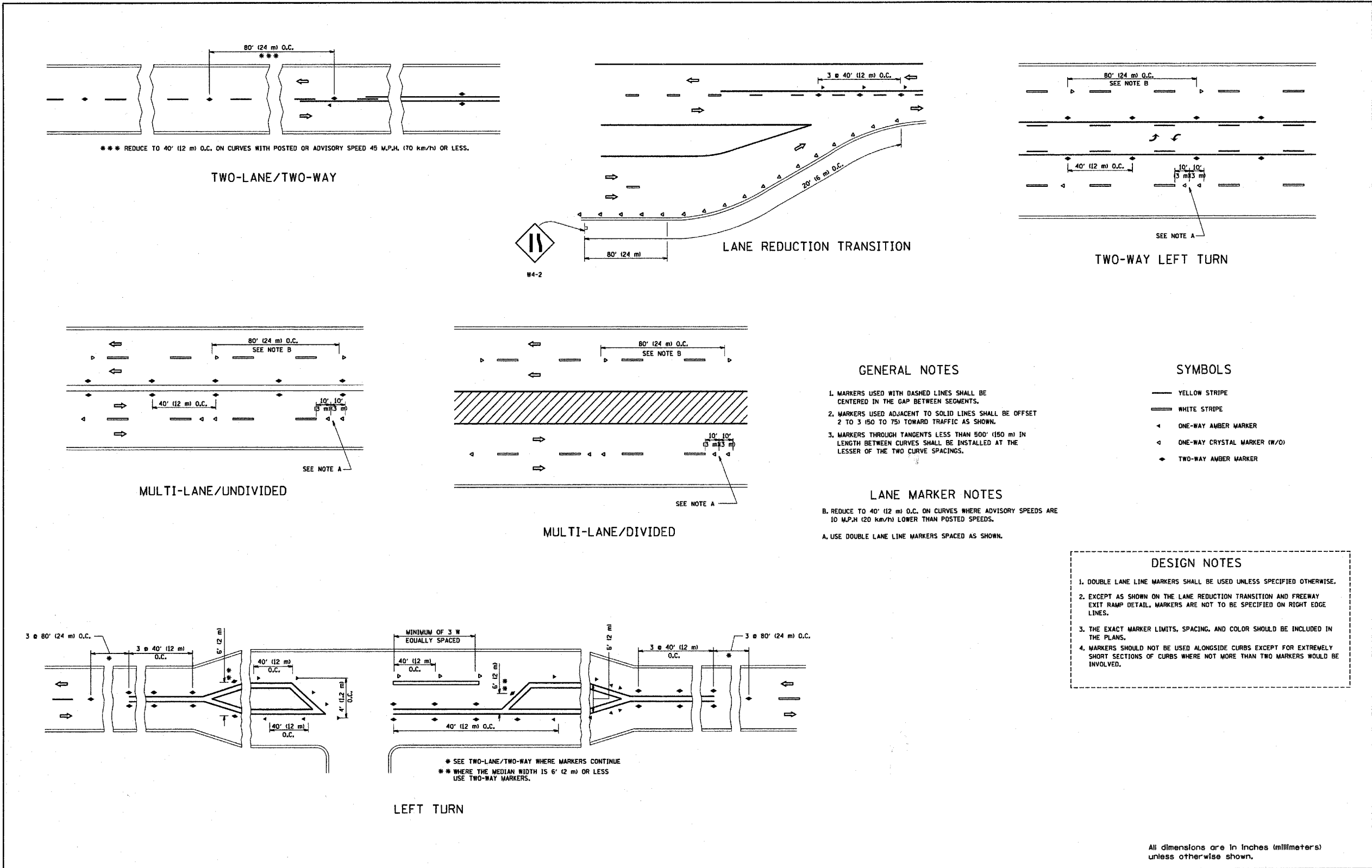
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER, THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = W:\d\statet\22x34\tbl8.dgn	USER NAME = goglienob	DESIGNED - LMA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. HOUSEH 03-06-96			TC-10	CONTRACT NO.			
		PLOT SCALE = 58.800 "/ IN.	REVISED - A. HOUSEH 10-15-96			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT
		PLOT DATE = 1/4/2008	DATE - 06-89			REVISED - T. RAMMACHER 01-06-00				



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

FILE NAME = W:\dist\22x34\coll.dgn	USER NAME = gaglianob	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS</b> <b>RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b> SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. TC-11 CONTRACT NO. FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT
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REVISIONS	
1	6
2	7
3	8
4	9
5	10

PREPARED BY:  
**ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS SURVEYORS PLANNERS  
 93 Caterpillar Drive • Joliet, Illinois • 815/729-0777 • FAX 815/729-0782

CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET WIDENING  
 WILMINGTON, ILLINOIS**

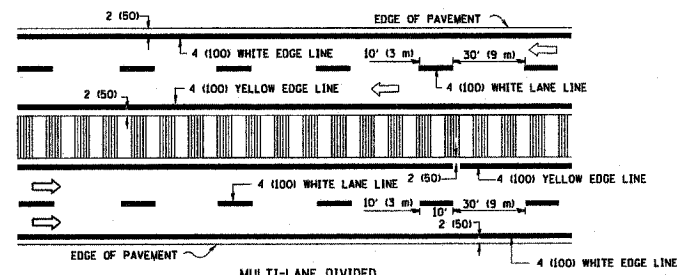
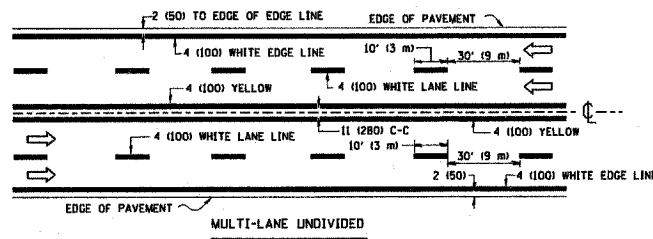
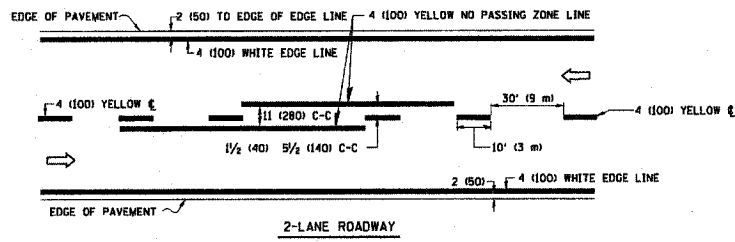
PROJECT NO:  
**101.000481**  
 DATE:  
**12/15/08**  
 SCALE:  
**NONE**

DESIGNED BY:  
**A.B.**  
 DRAWN BY:  
**B.J.R.**  
 CHECKED BY:  
**R.A.R.**

**CONSTRUCTION DETAILS**

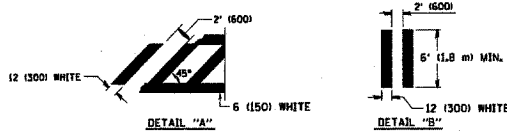
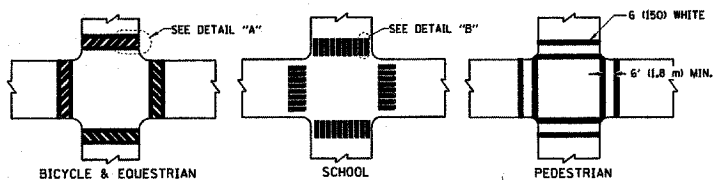
SHEET NO. 18



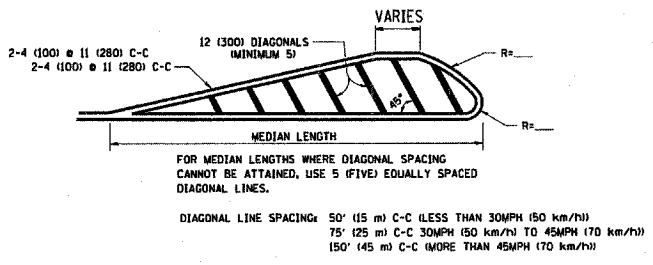
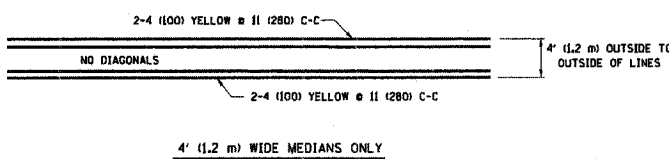


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

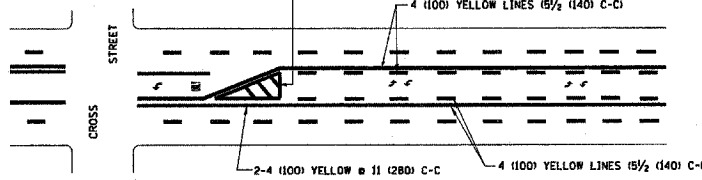
TYPICAL LANE AND EDGE LINE MARKING



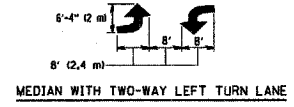
TYPICAL CROSSWALK MARKING



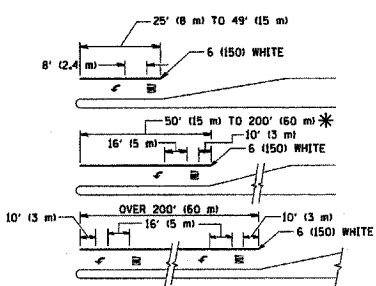
TYPICAL PAINTED MEDIAN MARKING



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



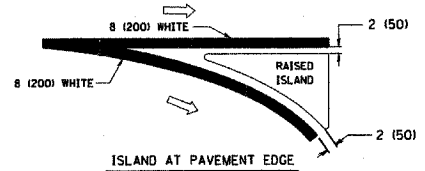
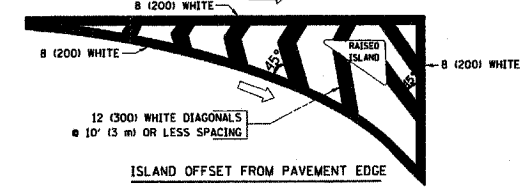
TYPICAL TURN LANE MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

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

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) ON FREEWAYS 5 (125) ON OTHERS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BICYCLE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) LETTERS; (6 (140) LINE FOR "X")	SOLID	WHITE	SEE STATE STANDARD 78000 AREA OF "X" = 3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X" = 54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 78000.

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

FILE NAME = W:\diststd\22x34\1c13.dgn	USER NAME = geglentobt	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
		DRAWN - A. HOUSEH 10-09-96	REVISED - A. HOUSEH 10-09-96
		CHECKED - A. HOUSEH 10-17-96	REVISED - A. HOUSEH 10-17-96
		DATE - 03-19-90	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS						
SCALE: NONE	SHEET NO. 1 OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

REVISIONS	
1	6
2	7
3	8
4	9
5	10

PREPARED BY:

**ROGINA & ASSOCIATES, LTD.**  
ENGINEERS SURVEYORS PLANNERS

93 Caterpillar Drive • Joliet, Illinois • 815/729-0777 • FAX 815/729-0782

CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET WIDENING  
WILMINGTON, ILLINOIS**

PROJECT NO:  
**101.0004B1**

DATE:  
**12/15/08**

SCALE:  
**NONE**



DESIGNED BY:  
**A.B.**

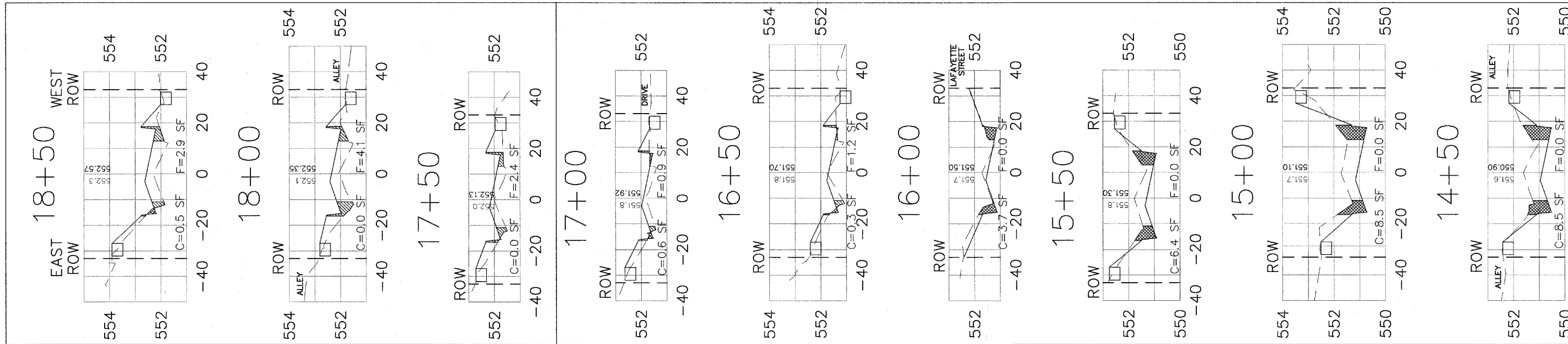
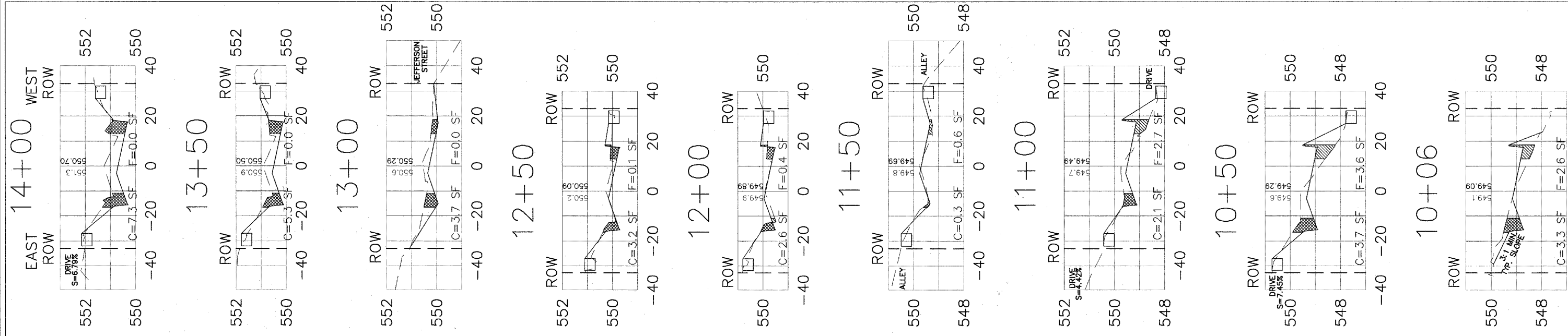
DRAWN BY:  
**B.J.R.**

CHECKED BY:  
**R.A.R.**

**CONSTRUCTION DETAILS**

SCALE  
H: 1" = 20'  
V: 1" = 2'

LEGEND  
CUT   
FILL 



REVISIONS	
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
CLIENT:  
**CITY OF WILMINGTON**

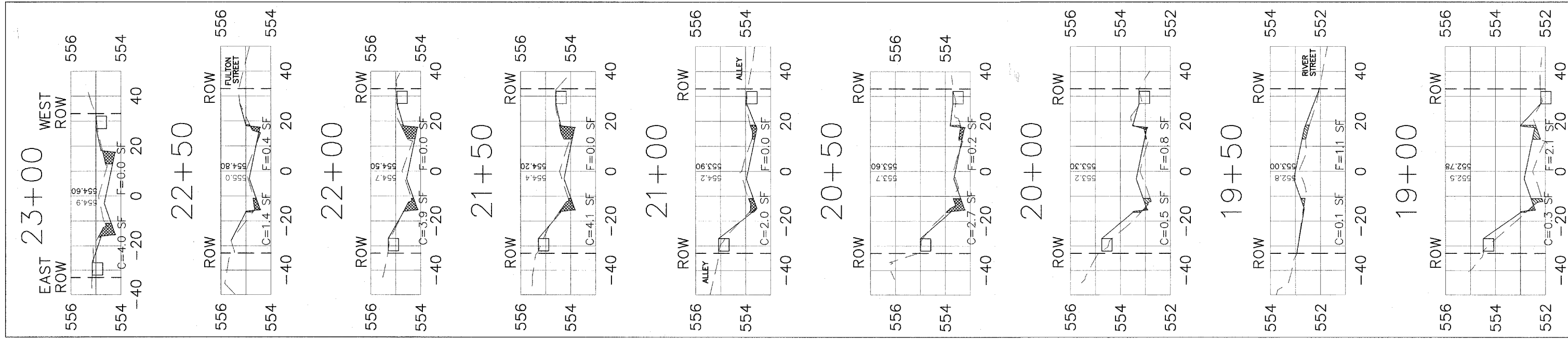
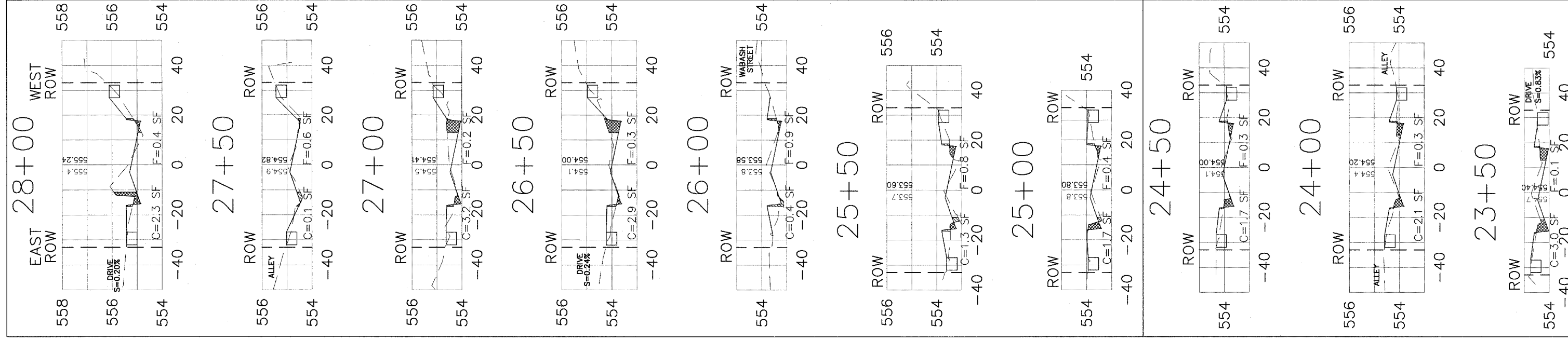
PROJECT:  
**KANKAKEE STREET WIDENING**

PROJECT NO.: 0101.000481  
DESIGNED BY: A.B.  
DATE: 12/15/08  
DRAWN BY: B.C.A.  
SCALE: 1" = 20'  
CHECKED BY: R.A.R.

**CROSS SECTIONS**  
**STA. 10+06 - STA. 18+50**

SCALE  
H: 1" = 20'  
V: 1" = 2'

LEGEND  
CUT   
FILL 



REVISIONS	
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PREPARED BY:  
  
**ROGINA & ASSOCIATES, LTD.**  
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
CLIENT:  
**CITY OF WILMINGTON**

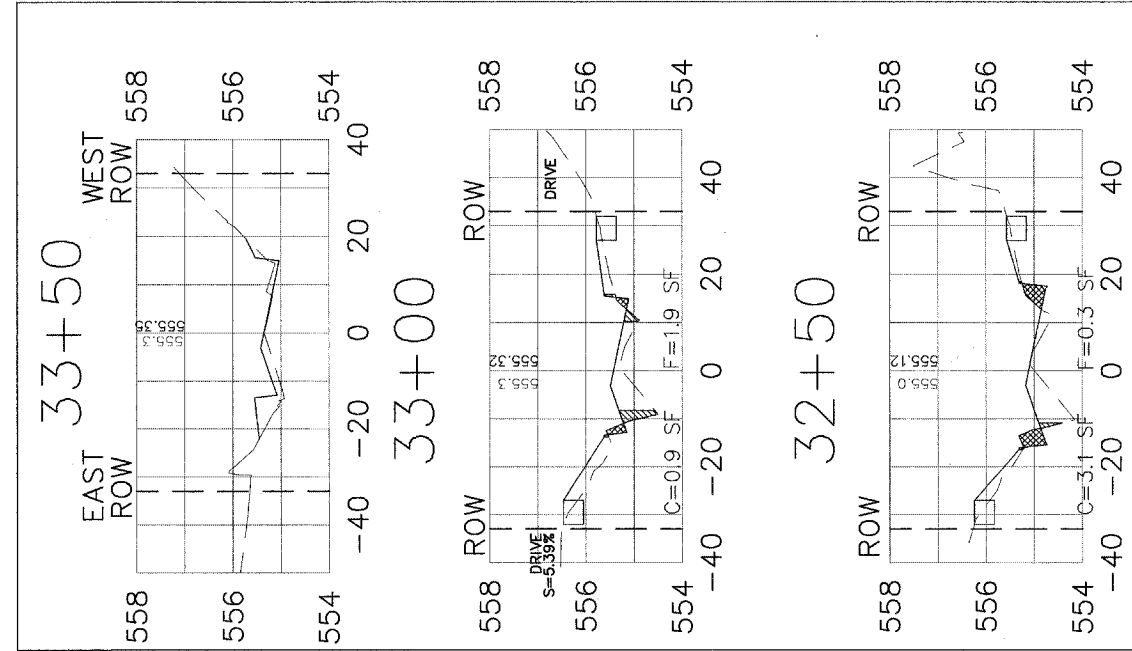
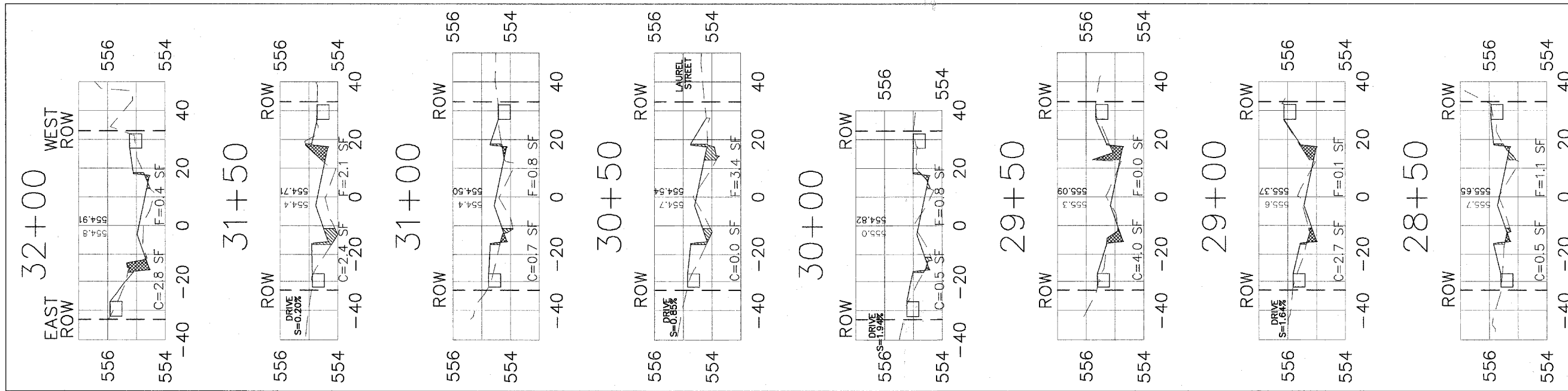
PROJECT:  
**KANKAKEE STREET WIDENING**

PROJECT NO.: 0101.000481  
DESIGNED BY: A.B.  
DATE: 12/15/08  
DRAWN BY: B.C.A.  
SCALE: 1" = 20'  
CHECKED BY: R.A.R.

CROSS SECTIONS  
**STA. 19+00 - STA. 28+00**

SCALE  
H: 1" = 20'  
V: 1" = 2'

LEGEND  
CUT   
FILL 



REVISIONS	
1	6
2	7
3	8
4	9
5	10

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CLIENT:  
**CITY OF WILMINGTON**

PROJECT:  
**KANKAKEE STREET  
WIDENING**

PROJECT NO:  
**0101.000481**  
DESIGNED BY:  
**A.B.**  
DATE:  
**12/15/08**  
DRAWN BY:  
**B.C.A.**  
SCALE:  
**1" = 20'**  
CHECKED BY:  
**R.A.R.**

**CROSS SECTIONS  
STA. 28+50 - STA. 33+50**