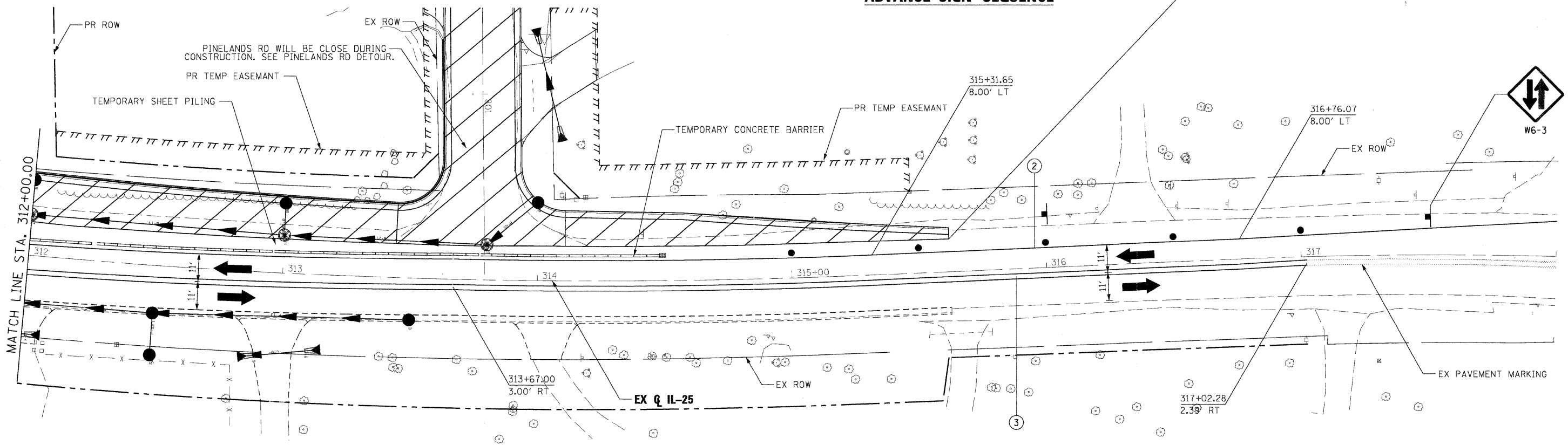


ADVANCE SIGN SEQUENCE



LEGEND

- WORK AREA
- FLASHING ARROW BOARD
- TRAFFIC LANE
- TYPE III BARRICADES
- VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' CENTERS UNLESS OTHERWISE SHOWN
- IMPACT ATTENUATOR
- PROPOSED ROW
- EXISTING ROW
- TEMPORARY EASEMENT
- 1 TEMPORARY PAVEMENT MARKING TAPE, TYPE III, LETTERS AND SYMBOLS (WHITE)
- 2 TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 4 INCH (WHITE)
- 3 TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 4 INCH (DOUBLE YELLOW)
- 4 TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 6 INCH (WHITE)
- 5 TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 12 INCH (WHITE)
- 6 TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 12 INCH (YELLOW)
- 7 TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 24 INCH (WHITE)
- 8 TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 6 INCH (WHITE DOTTED)

PLOT SCALE: 1"=20'
 FILE NAME: ...
 USER NAME: mcoleman
 PLOT DATE: 11/18/2011

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PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

**MAINTENANCE OF TRAFFIC
IL 25 — STAGE 2**

SCALE: 1"=20' SHEET NO. 20 OF 20 SHEETS STA. 312+00.00 TO STA. EOP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	101
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL NOTES

KDSWCD STANDARD NOTES:

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED 2010.
2. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS), A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
6. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
7. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

GENERAL NOTES:

1. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. PAYMENT FOR THIS WORK WILL BE INCLUDED WITHIN THE ITEM CONSTRUCTION LAYOUT, LS. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO TEMPORARY CONSTRUCTION FENCE. THE RESIDENT ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.
3. SEE PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
4. THE EROSION AND SEDIMENT CONTROL PLANS SHALL BE WORKED WITH THE MAINTENANCE OF CONSTRUCTION SHEETS. THE SEQUENCE OF CONSTRUCTION SHALL BE CONSULTED BEFORE APPLYING EROSION AND SEDIMENT CONTROL MEASURES.
5. SILT FENCE LOCATED IN BETWEEN THE PROPOSED MULCHED EMBANKMENT AND THE BLANKETED AREAS OF THE BASIN SIDE SLOPES IS TO BE INSTALLED FOLLOWING THE COMPLETION AND STABILIZATION OF THE STORMWATER FACILITIES AND IS TO REMAIN IN PLACE UNTIL THE CONTRIBUTING AREA (OR UPLAND EMBANKMENT) IS STABILIZED.
6. PRIORITY SHALL BE GIVEN TO THE COMPLETION AND STABILIZATION OF THE SEDIMENT TRAPS AND DETENTION AREAS. ONCE THE CONTRIBUTING AREA IS STABILIZED, THE BASIN WILL NEED TO BE CLEANED OUT, RESTORED, AND THE FINAL PROPOSED GRADE MUST BE ACHIEVED.
7. COMPLETED SLOPES (SECTIONS OF ROAD EMBANKMENT) SHALL BE SEEDED AND MULCHED AS THE EXCAVATION PROCEEDS TO THE EXTENT CONSIDERED DESIRABLE AND PRACTICAL. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
8. PRIORITY WILL BE GIVEN TO COMPLETION AND STABILIZATION OF THE POND. WORK IN THESE AREAS SHALL NOT BE PROLONGED IN AN ATTEMPT THAT ALL FINAL GRADING AND STABILIZATION CAN TAKE PLACE AT ONE TIME.

PLOT SCALE: 1" = 10' (SEE PLAN)
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 USER NAME: tblank
 PLOT DATE: 11/9/2011

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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

EROSION AND SEDIMENT CONTROL NOTES

SCALE: NTS SHEET NO. 1 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	102
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

STORM WATER POLLUTION PREVENTION PLAN (SWPPP):

MAIN CONTRACT RED GATE ROAD

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.

1. SITE DESCRIPTION:

A. THE WORK UNDER THIS CONTRACT WILL BE COMPLETED ON PROPERTY LOCATED IN THE CITY OF ST. CHARLES, KANE COUNTY, ILLINOIS ALONG THE PROPOSED EXTENSION OF RED GATE ROAD FROM IL 31 TO IL 25, EMBANKMENT FOR THE NEW BRIDGE PIERS AND DECK ACROSS THE FOX RIVER ARE INCLUDED IN THE WORK

B. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF THE MAJOR ACTIVITIES WHICH WILL DISTURB SOIL FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE; SUCH AS EXCAVATION AND GRADING SEQUENCE OF THE CONSTRUCTION ACTIVITIES MAY BE AS FOLLOWS:

- i) INSTALLATION OF CONSTRUCTION FENCING, PERIMETER EROSION BARRIER.
- ii) CLEARING OF THE PROJECT SITE AS SHOWN IN THE REMOVAL PLAN.
- iii) GRADING OF DETENTION PONDS AND COMPENSATORY STORAGE AREAS; THIS WORK IS TO BE COMPLETED CONCURRENTLY WITH THE CONSTRUCTION OF SUMP PITS, PUMPING BASINS, AND TEMPORARY AGGREGATE BERMS
- iv) BRIDGE CONSTRUCTION WITH CAUSEWAY, TEMPORARY BRIDGES AND COFFERDAMS
- v) ROUGH GRADING OF SUBGRADE FOR PROPOSED ROADWAYS AND UTILITIES
- vi) INSTALLATION OF STORM SEWERS WATERMAIN AND CONSTRUCTION OF NEW ROADWAYS
- vii) TOPSOIL SPREADING WITH TEMPORARY OR PERMANENT SOIL STABILIZATION MEASURES AND THE CONSTRUCTION OF PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES
- viii) REMOVAL OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES

C. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 18.0 ACRES. THE TOTAL AREA OF THE SITE THAT IS ESTIMATED TO BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 4.3 ACRES WEST OF RIVER AND 8.9 ACRES EAST OF RIVER.

D. THE ESTIMATED RUNOFF COEFFICIENT FOR THE PROJECT IS 0.45 FOR EXISTING CONDITIONS AND 0.60 FOR THE PROPOSED PROJECT. INFORMATION DESCRIBING THE SOILS AT THE SITE IS CONTAINED IN THE SOILS REPORTS FOR THE PROJECT, WHICH IS HEREBY INCORPORATED BY REFERENCE.

E. WATERS OF THE U.S. INCLUDED WITHIN OR ADJACENT TO THE PROJECT SITE ARE THE FOX RIVER, THE FOX RIVER RUNS THROUGH THE PROJECT SITE.

F. THERE ARE WETLANDS WITHIN THE LIMITS OF CONSTRUCTION ON THE EAST SIDE OF THE RIVER.

2. CONTROLS:

THIS SECTION OF THE PLAN ADDRESSES THE VARIOUS CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN 1.B ABOVE. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED.

EACH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO AND ARE A PART OF THIS PLAN.

THE SOIL EROSION AND SEDIMENT CONTROL PLAN DRAWINGS INCLUDED DEFINE THE SIZE AND LOCATION OF THE MEASURES TO BE INSTALLED DURING THE CONSTRUCTION OF THIS PROJECT.

A. SOIL EROSION AND SEDIMENT CONTROLS:

- i) STABILIZATION PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED.

EXCEPT AS NOTED HERE IN, STABILIZATION MEASURES SHALL BE INITIATED ON A DAILY BASIS 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, OR ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR A PERIOD OF 14 OR MORE CALENDAR DAYS.

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

DESCRIPTION OF STABILIZATION PRACTICES:

1. DUST CONTROL WILL BE ACCOMPLISHED USING WATERING TRUCKS AS DIRECTED BY THE ENGINEER.
2. TEMPORARY STABILIZATION WITH STRAW MULCH WILL BE USED TO STABILIZE CONSTRUCTION AREAS WHERE CONSTRUCTION ACTIVITY IS HALTED FOR MORE THAN 14 DAYS, OR AREAS WHERE THE FINAL GRADE HAS BEEN REACHED BUT CANNOT BE PERMANENTLY STABILIZED DUE TO THE PLANTING SEASON RESTRICTIONS OF THE PERMANENT STABILIZATION.
3. EROSION CONTROL BLANKET WILL BE USED TO STABILIZE THE CONSTRUCTION AREAS WHERE THE FINAL GRADE HAS BEEN REACHED BUT CANNOT BE PERMANENTLY STABILIZED OR TREATED WITH TEMPORARY STABILIZATION WITH STRAW MULCH DUE TO THE PLANTING SEASON RESTRICTIONS.
4. TEMPORARY FENCING AND PERIMETER EROSION BARRIER, ROLLED EXCELSIOR WILL BE PLACED ALONG TREE STANDS TO BE PRESERVED AND TO PREVENT THE BUILD UP OF SEDIMENT ON TOP OF THE TREE ROOTS.
5. WATERS OF THE U.S. AND WETLANDS WITHIN OR ADJACENT TO THE PROJECT WILL BE PROTECTED WITH CONSTRUCTION FENCE AND PERIMETER EROSION BARRIER, ROLLED EXCELSIOR, AND TURBIDITY CURTAIN
6. SHEET FLOWS EXITING THE SITE WILL ENCOUNTER PERIMETER EROSION BARRIER.
7. PUMPING BASINS AND SUMP PITS WILL BE CONSTRUCTED AT ALL LOCATIONS WHERE THE WATER IS PUMPED. RIPRAP WILL BE CONSTRUCTED AT THE INTAKE HOSE AND DISCHARGE HOSE. PUMPING WILL ONLY BE PERMITTED AT THESE LOCATIONS.
8. TEMPORARY AGGREGATE BERMS WILL BE USED TO SLOW SHEET FLOWS AND CONTROL SOIL EROSION.
9. STABILIZED CONSTRUCTION ENTRANCES WILL BE CONSTRUCTED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ENTERS OR EXITS THE SITE.
10. STOCKPILES THAT ARE TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL HAVE SOIL EROSION AND SEDIMENT CONTROL PROVIDED. AT A MINIMUM, PERIMETER EROSION BARRIER WILL BE PLACED AROUND THE BOTTOM OF THE STOCKPILE.
11. FOX RIVER WORK SHALL BE LIMITED TO 0.25 ACRES OF ENCRoACHMENT WITHIN WATERS OF THE U.S. AT ANY ONE TIME. TURBIDITY CURTAIN SHALL BE USED TO FILTER SEDIMENT PUT INTO SUSPENSION DURING INSTALLATION AND REMOVAL OF CAUSEWAY, TEMPORARY BRIDGES AND COFFERDAMS.

ii) STRUCTURAL PRACTICES:

PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS, LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

1. INITIAL CONSTRUCTION:

- * INSTALLATION OF TEMPORARY FENCE AND PERIMETER EROSION BARRIER, ROLLED EXCELSIOR ALONG TREE STANDS TO BE PRESERVED, WATERS OF THE U.S. AND WETLANDS
- * REMOVE TREES, BUILDINGS AND OTHER STRUCTURES

2. DURING CONSTRUCTION (STAGE I TO II)

- * CLEAR SITE
- * CONSTRUCT PUMPING BASINS
- * COMPLETE EARTHWORK AND STORM SEWER INSTALLATION; CONSTRUCTION OF THE PERMANENT SOIL EROSION AND SEDIMENT CONTROL ITEMS
- * CONCRETE TRUCK WASH-OUT FACILITIES SHALL BE USED AS DIRECTED BY THE ENGINEER
- * COMPLETE PERMANENT OR TEMPORARY SOIL STABILIZATION
- * REMOVE TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES

3. POST CONSTRUCTION

- * MAINTENANCE OF VEGETATION AND PLANTINGS

B. STORM WATER MANAGEMENT

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

- i) THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF TECHNICAL GUIDANCE CONTAINED IN THE IEPA'S ILLINOIS URBAN MANUAL AND OTHER ORDINANCES LISTED IN THE SPECIFICATIONS. THE STORM WATER POLLUTANT CONTROL MEASURES SHALL INCLUDE:

1. RIPRAP APRONS AT FLARED END SECTIONS
2. PIPE RESTRICTORS AND WEIRS IN DETENTION POND OUTFALLS
3. PERMANENT VEGETATION AND PLANTINGS

- ii) VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL, PHYSICAL, AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (I.E., MAINTENANCE OF HYDROLOGIC CONDITIONS, SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES). STORM WATER MANAGEMENT CONTROL INCLUDES:

1. RIPRAP APRONS AT FLARED END SECTIONS
2. AGGREGATE DITCH CHECKS
3. PERMANENT VEGETATION

C. OTHER CONTROLS:

- i) NON HAZARDOUS WASTE DISPOSAL: THE SOLID WASTE MATERIALS INCLUDING TRASH, CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIALS, MACHINERY, TOOLS AND OTHER ITEMS WILL BE COLLECTED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO ACQUIRE ANY PERMIT REQUIRED FOR SUCH DISPOSAL. BURNING ON-SITE WILL NOT BE PERMITTED. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE U.S., EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

- ii) HAZARDOUS WASTE DISPOSAL: SHALL CONFORM TO THE IDOT SPECIAL PROVISION.

- iii) SANITARY WASTE DISPOSAL: THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH THE APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS. THE CONTRACTOR SHALL NOT CREATE OR ALLOW UNSANITARY CONDITIONS.

- iv) OFF-SITE VEHICLE TRACKING: EACH SITE SHALL HAVE ONE OR MORE STABILIZED CONSTRUCTION ENTRANCES IN CONFORMANCE WITH THE PLAN DETAILS. WHERE THE CONTRACTOR'S EQUIPMENT IS OPERATED ON ANY PORTION OF THE TRAVELED SURFACE OR STRUCTURES USED BY TRAFFIC ON OR ADJACENT TO THE PROJECT, THE CONTRACTOR SHALL CLEAN (NOT FLUSHING OF) THE TRAVELED SURFACE OF ALL DIRT AND DEBRIS AT THE END OF EACH DAY'S OPERATIONS OR MORE FREQUENTLY IF DIRECTED BY THE ENGINEER.

- v) CONCRETE TRUCK WASH-OUT FACILITIES SHALL BE USED AS DIRECTED BY THE ENGINEER

- vi) DEWATERING DEVICES: IF DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM SOIL EROSION. ALL PUMPED DISCHARGES SHALL BE ROUTED THROUGH A SUMP PIT INTO A PUMPING BASIN.

- vii) SITE CLEANUP: TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM THE DISPOSITION OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER SOIL EROSION AND SEDIMENTATION.

D. APPROVED COUNTY, STATE, OR LOCAL PLANS:

THE MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS CONTAINED IN THIS PLAN ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL STANDARDS AND SPECIFICATIONS. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SOIL EROSION AND SEDIMENT CONTROL PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE BELOW. REQUIREMENTS SPECIFIED IN SOIL EROSION AND SEDIMENT CONTROL PLANS,

SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS, OR SITE PERMITS APPROVED BY COUNTY, STATE, OR LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF A NOTICE OF INTENT (NOI), INCORPORATED AND ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

THE SOIL EROSION AND SEDIMENT CONTROL FOR THIS SITE MUST MEET THE REQUIREMENTS OF THE FOLLOWING AGENCIES:

- KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT
- KANE COUNTY FOREST PRESERVE DISTRICT
- ILLINOIS DEPARTMENT OF TRANSPORTATION
- ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
- U.S. ARMY CORP OF ENGINEERS

3. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, SOIL EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN AND STANDARD SPECIFICATIONS:

THE CONTRACTOR WILL ASSIGN A SOIL EROSION AND SEDIMENT CONTROL MANAGER (SESCM) TO THE PROJECT. HIS DUTIES WILL BE TO SUPERVISE THE MAINTENANCE OF THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND IMPLEMENTATION OF THIS PLAN.

THE FOLLOWING SHALL BE THE MINIMUM MAINTENANCE REQUIRED:

A. VEGETATIVE SOIL EROSION MEASURES - THE VEGETATIVE GROWTH OF TEMPORARY AND PERMANENT SEEDING, VEGETATIVE FILTERS, ETC., SHALL BE MAINTAINED PERIODICALLY AND SUPPLIED ADEQUATE WATERING AND FERTILIZER. THE VEGETATIVE COVER SHALL BE REMOVED AND RESEEDED AS NECESSARY.

B. SEDIMENT TRAPS AND PUMPING BASINS SHALL BE CLEANED OF SEDIMENT WHEN THE SEDIMENT HAS REACHED A DEPTH OF 50% OF THE HEIGHT OF THE AGGREGATE BERM

C. PERIMETER EROSION BARRIER WILL BE EXAMINED REGULARLY AND REPAIRED AS NECESSARY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES A HEIGHT EQUAL TO 50% OF THE HEIGHT OF THE BARRIER.

D. TEMPORARY SEEDING FOR EROSION CONTROL WILL BE REPAIRED WHEN BARE SPOTS AND WASHOUT OCCUR.

E. STABILIZED CONSTRUCTION ENTRANCES SHALL HAVE SEDIMENT BUILD UP REMOVED AS NECESSARY.

F. DETENTION AND RETENTION FACILITIES SHALL HAVE SEDIMENT REMOVED TO DESIGNED FINISH GRADES

4. INSPECTIONS:

THE ENGINEER WILL BE RESPONSIBLE FOR CONDUCTING SOIL EROSION AND SEDIMENT CONTROL INSPECTIONS. THE CONTRACTOR'S SESCO SHALL BE NOTIFIED WHEN THE INSPECTIONS ARE TO TAKE PLACE AND IS EXPECTED TO BE PRESENT DURING THE INSPECTIONS. A MAINTENANCE INSPECTION REPORT WILL BE COMPLETED AFTER EACH INSPECTION. A COPY OF THE REPORT IS TO BE COMPLETED BY THE INSPECTOR AND STORED ON-SITE WITH A COPY GIVEN TO THE CONTRACTOR.

THE INSPECTION SHALL INCLUDE ALL DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT BEEN FINALLY STABILIZED, THE STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND ALL MAJOR OUTFALLS. SUCH INSPECTION SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAIN STORM (OR EQUIVALENT SNOWFALL) THAT IS 0.5 INCHES OR GREATER. DEPTH OF RAIN FALL WILL BE DETERMINED BY AN ON-SITE RAIN GAUGE. THE ENGINEER SHALL READ THE RAIN GAUGE DAILY AND AFTER EACH RAIN STORM.

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 AND WATERWAYS. SOIL EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. IF REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF THE COMPLETION OF THE INSPECTION REPORT. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER THE MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE TRACKING.

PLOT SCALE: 1"=40' (SEE PLAN) FULL SIZE: 11/9/2011

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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

STORM WATER POLLUTION PREVENTION PLAN

SCALE: NTS SHEET NO. 2 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	103
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION 1 ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION 2 ABOVE, THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTION SHALL BE IMPLEMENTED WITHIN SEVEN 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 THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTION TAKEN IN ACCORDANCE WITH SECTION 4.8 SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE YEARS AFTER THE DATE OF INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI.G OF THE GENERAL PERMIT.

D. IF ANY VIOLATIONS OF THE PROVISIONS OF THIS PLAN ARE IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE ENGINEER SHALL COMPLETE AND FILE AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ABOUT 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 NON COMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI.G OF THE GENERAL PERMIT. THE REPORT OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND EAST
P.O. BOX 19276
SPRINGFIELD, IL 62794-9276

E. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN ON SITE AT ALL TIMES AND WILL MAKE THE PLAN AVAILABLE FOR REVIEW UPON REQUEST. ANY ADDITIONS TO THE PLAN WILL BE DOCUMENTED AND INCLUDED WITH THE ON-SITE INSPECTOR.

5. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT MAY BE COMBINED WITH STORM WATER DISCHARGES ARE TREATED BY THE MEASURES INCLUDED IN THIS PLANS. THESE SOURCES INCLUDE THE FOLLOWING:

- * WATER USED TO WASH VEHICLES
- * WATER USED TO CONTROL DUST
- * PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS SPILLED MATERIALS HAVE BEEN REMOVED)
- * IRRIGATION DITCHES
- * UNCONTAMINATED GROUND WATER
- * FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS

6. INVENTORY FOR POLLUTION PREVENTION PLAN:

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ON SITE DURING CONSTRUCTION.
(TABLE TO BE FILLED IN BY CONTRACTOR).

7. SPILL PREVENTION - MATERIAL MANAGEMENT PRACTICES:

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.

GOOD HOUSEKEEPING:

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ON SITE DURING THE CONSTRUCTION PROJECT:

- * AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
- * ALL MATERIALS STORED ON SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- * PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
- * SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- * THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON SITE.
- * WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- * MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

HAZARDOUS PRODUCTS:

THESE PRACTICES ARE USED TO REDUCE THE RISK ASSOCIATED WITH HAZARDOUS MATERIALS:

- * PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- * ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED.
- * IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- * MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- * MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUST PANS, MOPS, RACS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
- * ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- * THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH HAZARDOUS SUBSTANCES.
- * SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE.
- * THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RECURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
- * THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAY-TO-DAY OPERATIONS AND WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE AT LEAST TWO OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL, LISTED BELOW, WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.

EPA SPILL RESPONSE # (217) 782-3637

NAME: CONTRACTOR:

NAME: CONTRACTOR:

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT STANDARD NOTES:

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION. TELEPHONE: (630) 584-7961 EXT. 3

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.


DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.

IT IS THE RESPONSIBILITY OF THE LANDOWNER AND / OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS, OF THE REQUIREMENT IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE DIVERTED AROUND THE WORK AREA OR ISOLATED FROM STREAM FLOWS USING A NON-ERODABLE COFFER DAM. THE STREAM BANKS SHOULD BE STABILIZED AT THE END OF EACH DAY. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS. THE KDSWCD MUST BE IN AGREEMENT WITH OVERALL EXACT METHOD OF DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. (CRITICAL AREAS FOR THIS PROJECT INCLUDE THE FOX RIVER AND TRIBUTARIES TO IT)

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.


William L. Schmenski, P.E., CPESC

November 22, 2011

ALFRED BENESCH & COMPANY
COMPANY

APPROVED November 23, 2011


CITY OF ST. CHARLES, PUBLIC WORKS ENGINEERING DIVISION MANAGER

PLOT SCALE: 1"=40' (LOCAL) WORKSPACE: N:\Projects\2011\11-22-11\11-22-11.dwg PLOT SIZE: 11x17 (LOCAL) USER: tdb/blank

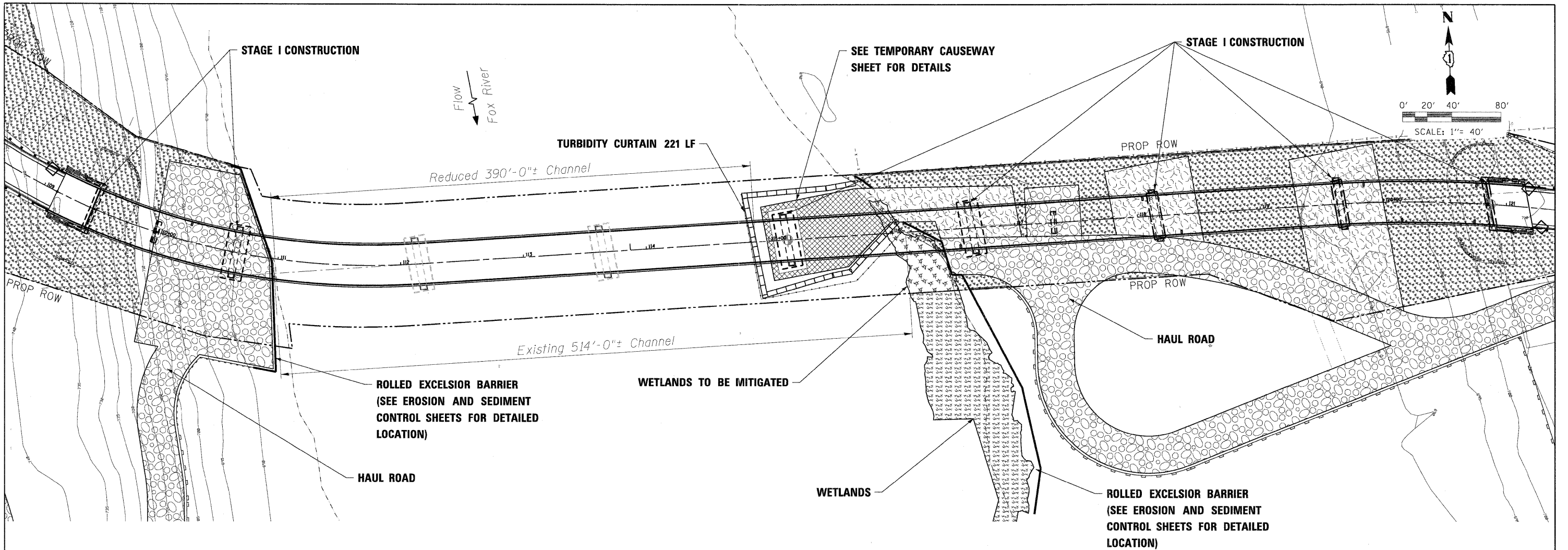
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CITY OF ST. CHARLES

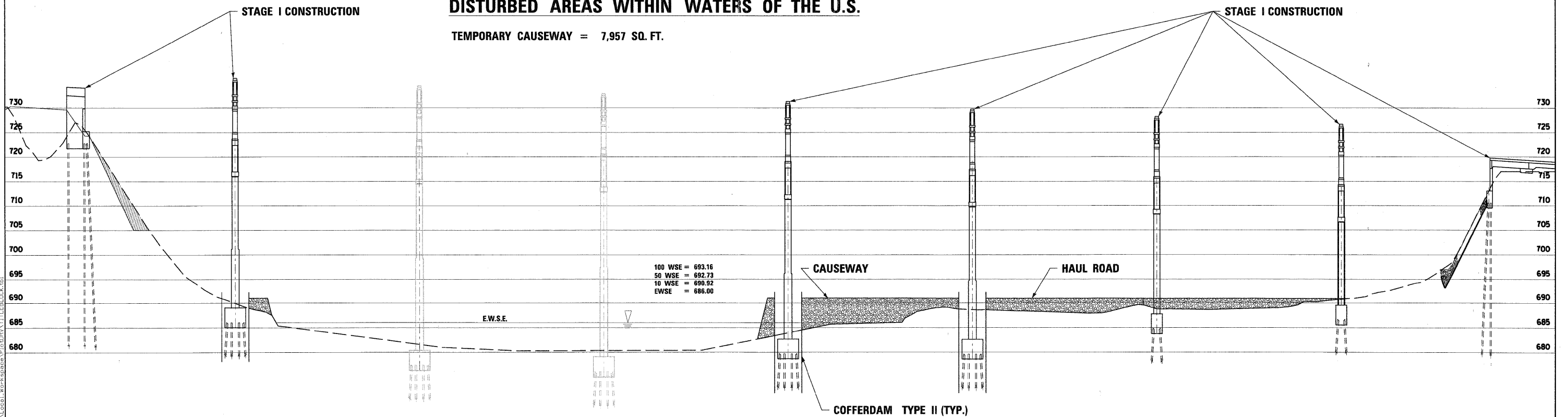
STORM WATER POLLUTION PREVENTION PLAN			
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	104
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



DISTURBED AREAS WITHIN WATERS OF THE U.S.

TEMPORARY CAUSEWAY = 7,957 SQ. FT.



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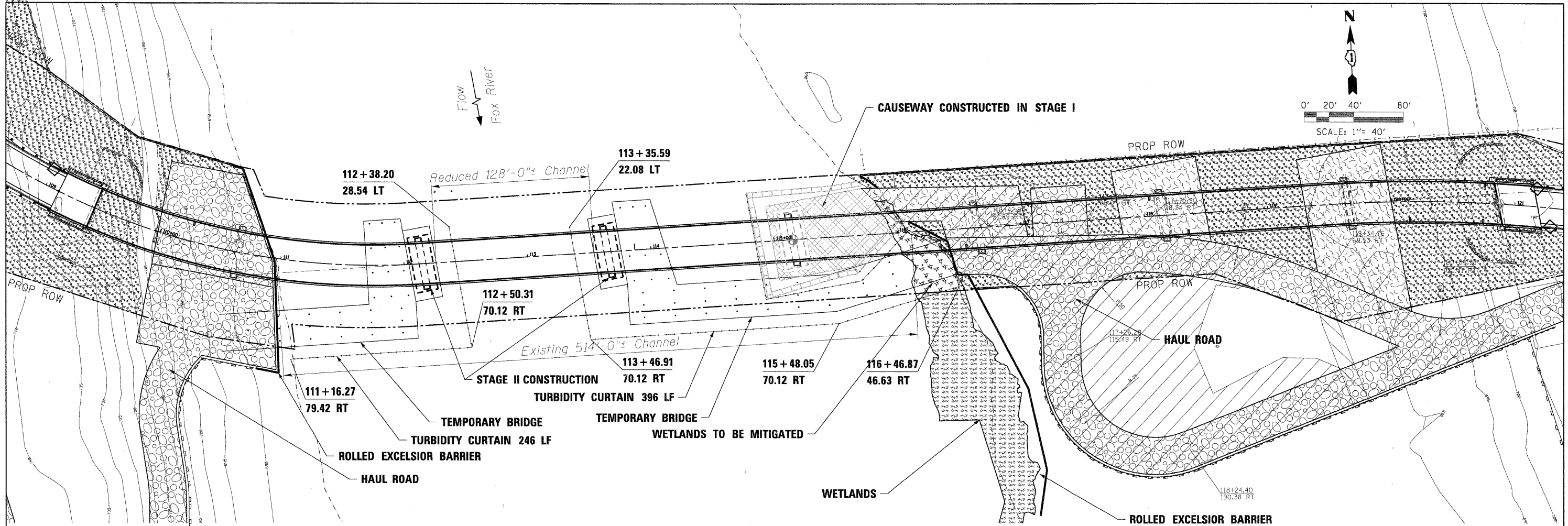


CITY OF ST. CHARLES

**FOX RIVER EROSION AND SEDIMENT CONTROL
 RED GATE ROAD — STAGE 1**

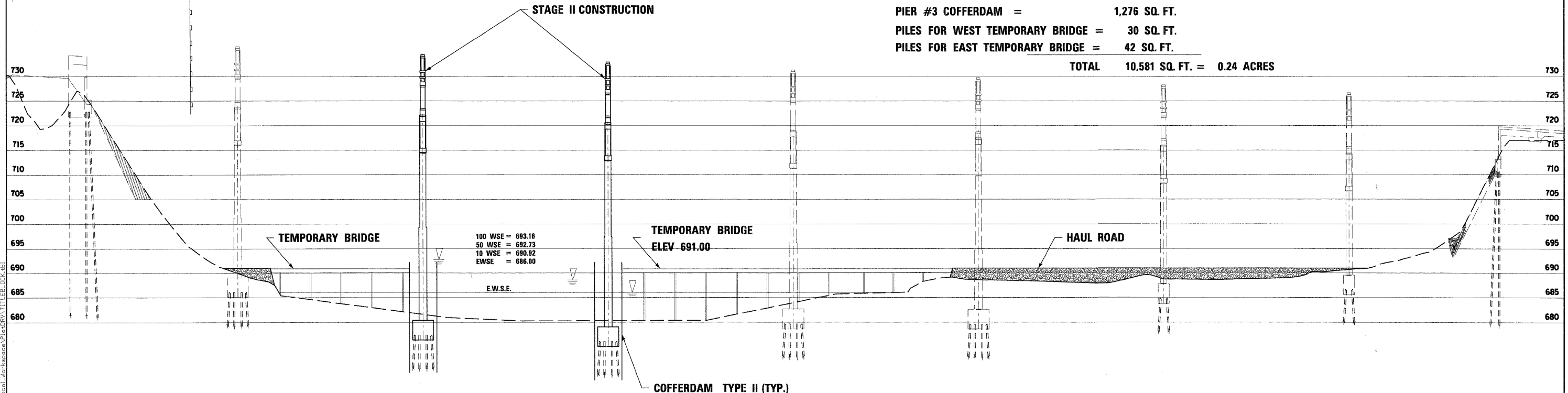
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	105
			CONTRACT NO. 63650	
ILLINOIS FED. AID PROJECT				



DISTURBED AREAS WITHIN WATERS OF THE U.S.

CAUSEWAY =	7,957 SQ. FT.
PIER #2 COFFERDAM =	1,276 SQ. FT.
PIER #3 COFFERDAM =	1,276 SQ. FT.
PILES FOR WEST TEMPORARY BRIDGE =	30 SQ. FT.
PILES FOR EAST TEMPORARY BRIDGE =	42 SQ. FT.
TOTAL	10,581 SQ. FT. = 0.24 ACRES



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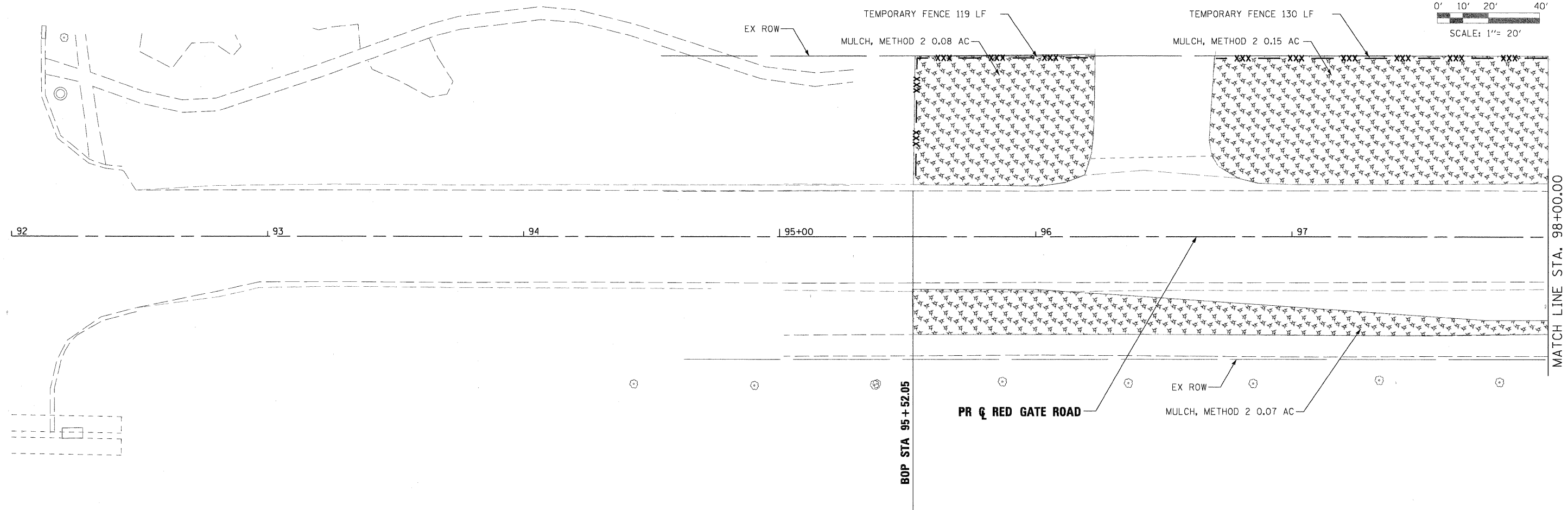
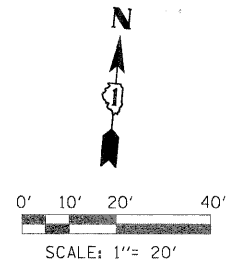


CITY OF ST. CHARLES













**FOX RIVER EROSION AND SEDIMENT CONTROL
 RED GATE ROAD — STAGE 2**

SCALE: 1"=20' SHEET NO. 5 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	106
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



LEGEND:

-  CULVERT INLET PROTECTION - STONE, XX006722 & XX006723
-  INLET & PIPE PROTECTION, 28000500
-  TEMPORARY DITCH CHECK, 28000300
-  INLET FILTERS, 28000510
-  PERIMETER EROSION BARRIER, 28000400
-  TEMPORARY FENCE, 20101000
-  TURBIDITY CURTAIN, XX005968
-  PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
-  SEDIMENT BASIN, 20200300
-  MULCH, METHOD 2, 25100115
-  RIP RAP, 28100105 & 28100107
-  STABILIZED CONSTRUCTION ENTRANCE, X0322671

PLOT SCALE: 1"=20'
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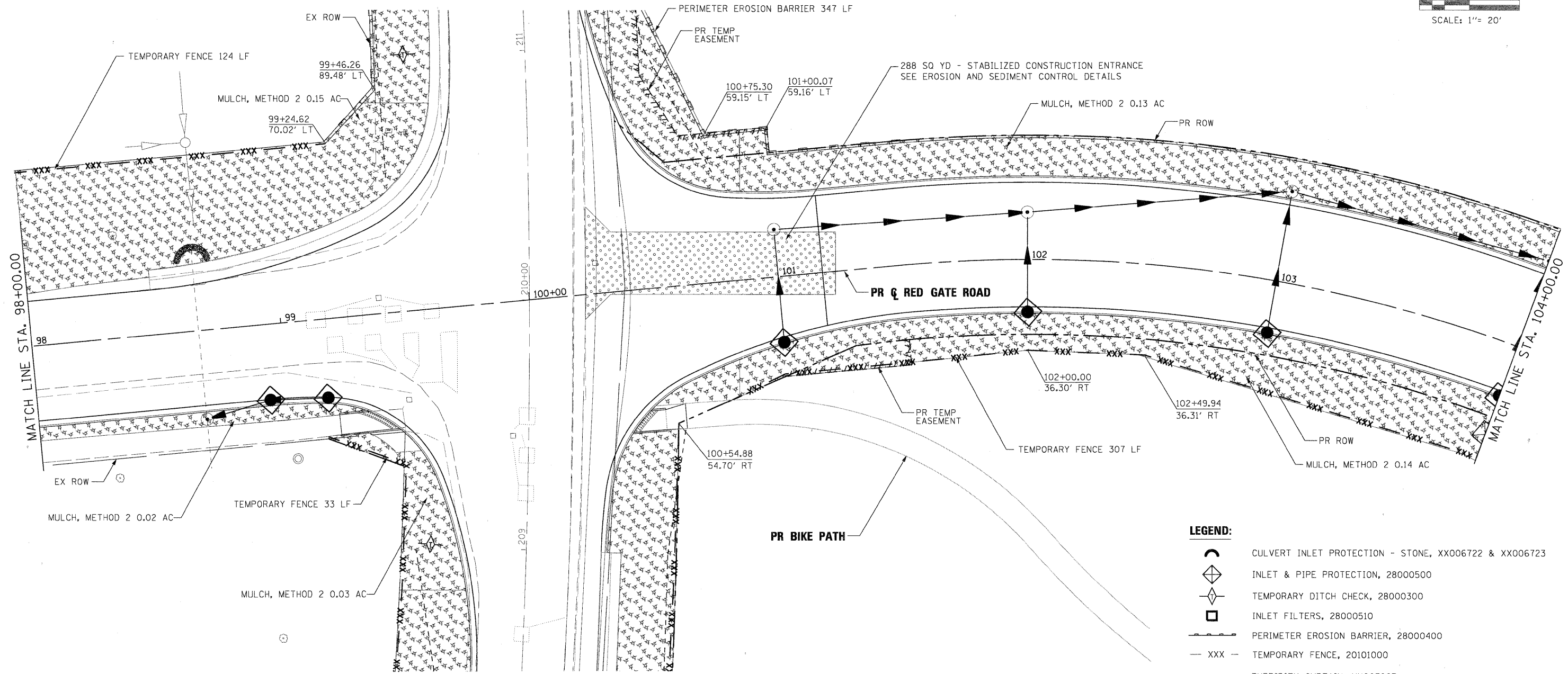
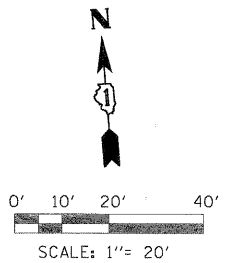


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
RED GATE ROAD**

SCALE: 1"=20' SHEET NO. 6 OF 23 SHEETS STA. BOP TO STA. 98+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	107
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



LEGEND:

- CULVERT INLET PROTECTION - STONE, XX006722 & XX006723
- INLET & PIPE PROTECTION, 28000500
- TEMPORARY DITCH CHECK, 28000300
- INLET FILTERS, 28000510
- PERIMETER EROSION BARRIER, 28000400
- TEMPORARY FENCE, 20101000
- TURBIDITY CURTAIN, XX003967
- PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
- SEDIMENT BASIN, 20200300
- MULCH, METHOD 2, 25100115
- RIP RAP, 28100105 & 28100107
- STABILIZED CONSTRUCTION ENTRANCE, X0322671

PLOT SCALE: 1/2"=20' (As Shown) PLOT DATE: 11/9/2011
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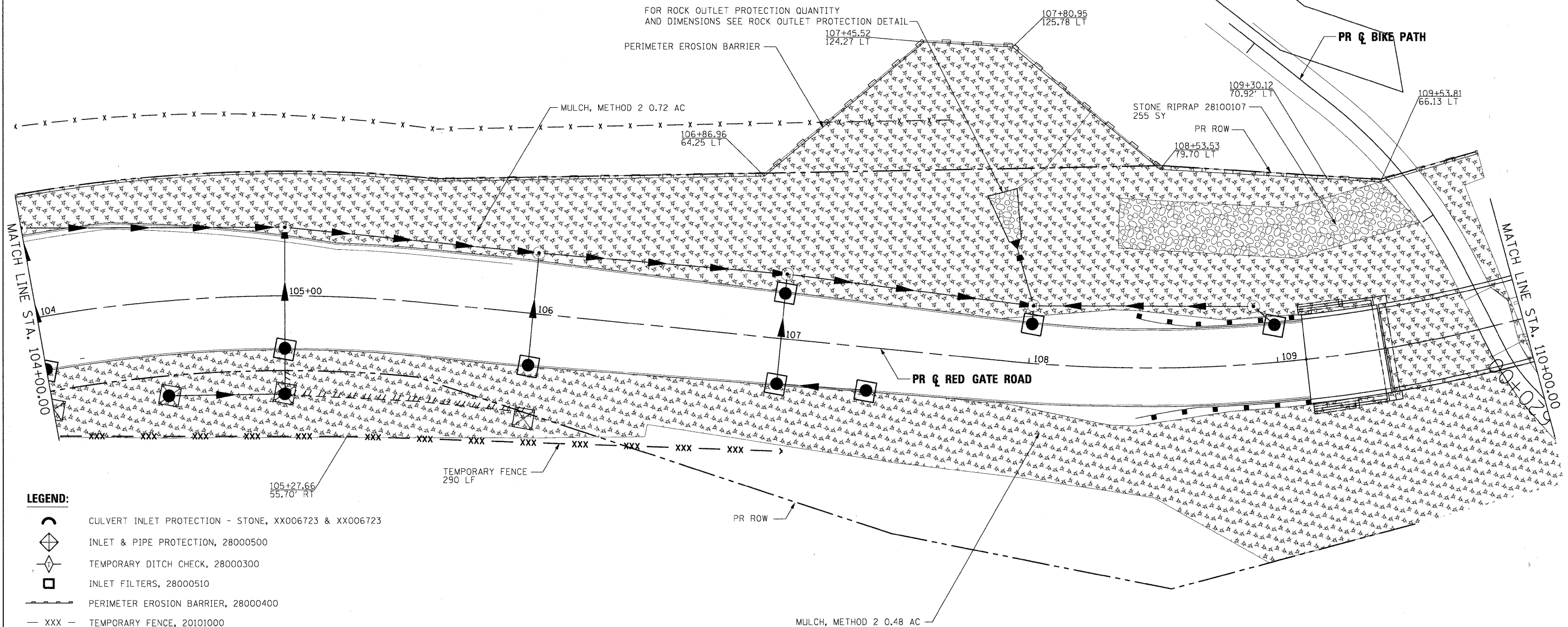
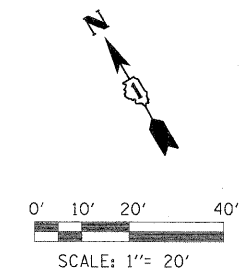


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
RED GATE ROAD**

SCALE: 1"=20' SHEET NO. 7 OF 23 SHEETS STA. 98+00.00 TO STA. 104+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	108
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
 - INLET & PIPE PROTECTION, 28000500
 - TEMPORARY DITCH CHECK, 28000300
 - INLET FILTERS, 28000510
 - PERIMETER EROSION BARRIER, 28000400
 - TEMPORARY FENCE, 20101000
 - TURBIDITY CURTAIN, XX003967
 - PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
 - SEDIMENT BASIN, 20200300
 - MULCH, METHOD 2, 25100115
 - RIP RAP, 28100105 & 28100107
 - STABILIZED CONSTRUCTION ENTRANCE, X0322671

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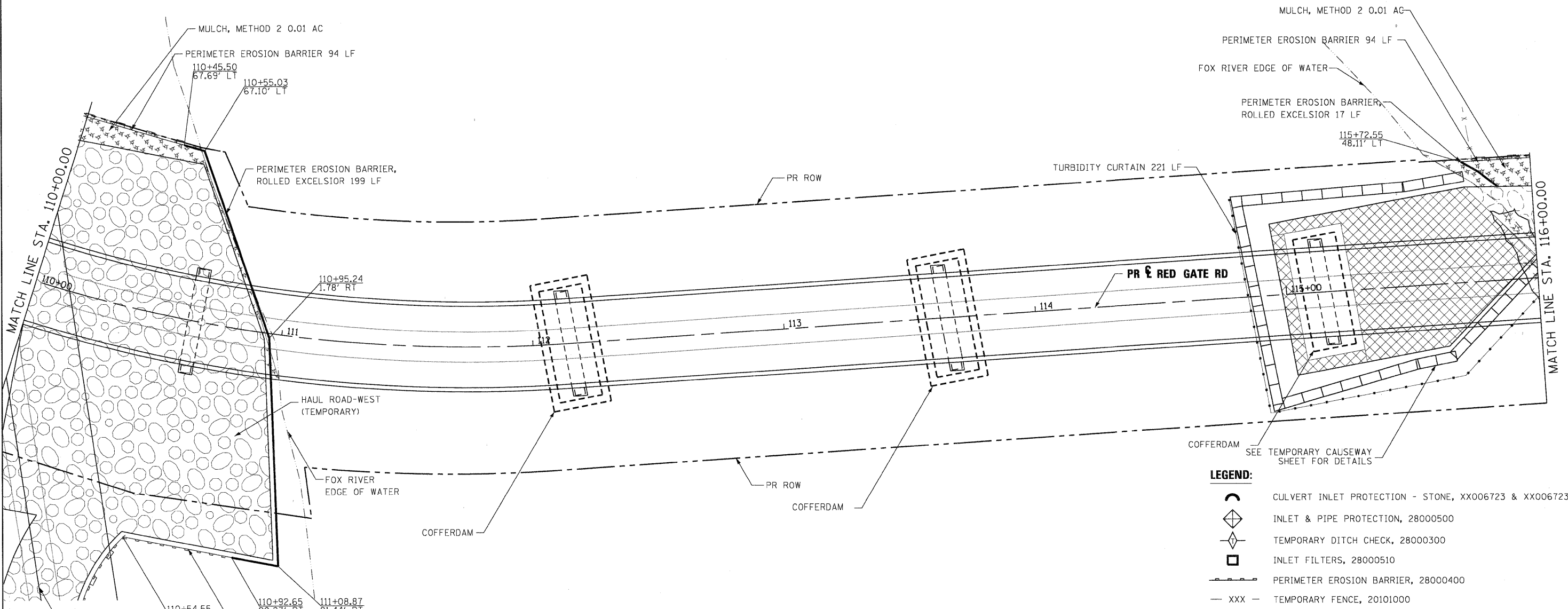
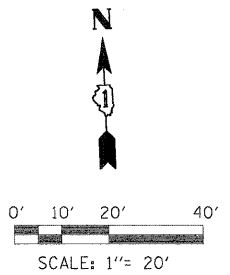


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
RED GATE ROAD**

SCALE: 1"=20' SHEET NO. 8 OF 23 SHEETS STA. 104+00.00 TO STA. 110+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	109
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



NOTE
 THE TOTAL ACREAGE OF DISTURBED AREA WITHIN THE FOX RIVER SHALL NOT EXCEED 0.25 AC AT ANY ONE TIME.
 TEMPORARY BRIDGE WILL BE USED TO ACCESS PIER #2 AND PIER #3 SEE SPECIFICATIONS FOR DETAIL
 SEE FOX RIVER EROSION AND SEDIMENT CONTROL SHEETS FOR DETAILS FOR WORK BETWEEN RIVER BANKS.
 ADJUST PERIMETER EROSION BARRIER ALONG RIVER AS NEEDED FOR ACCESS TO CAUSEWAY, TEMPORARY BRIDGE AND CONSTRUCTION OF PIER.

- LEGEND:**
- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
 - INLET & PIPE PROTECTION, 28000500
 - TEMPORARY DITCH CHECK, 28000300
 - INLET FILTERS, 28000510
 - PERIMETER EROSION BARRIER, 28000400
 - TEMPORARY FENCE, 20101000
 - TURBIDITY CURTAIN, XX003967
 - PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
 - SEDIMENT BASIN, 20200300
 - MULCH, METHOD 2, 25100115
 - RIP RAP, 28100105 & 28100107
 - STABILIZED CONSTRUCTION ENTRANCE, X0322671
 - HAUL ROAD

PLOT SCALE: 1"=20'
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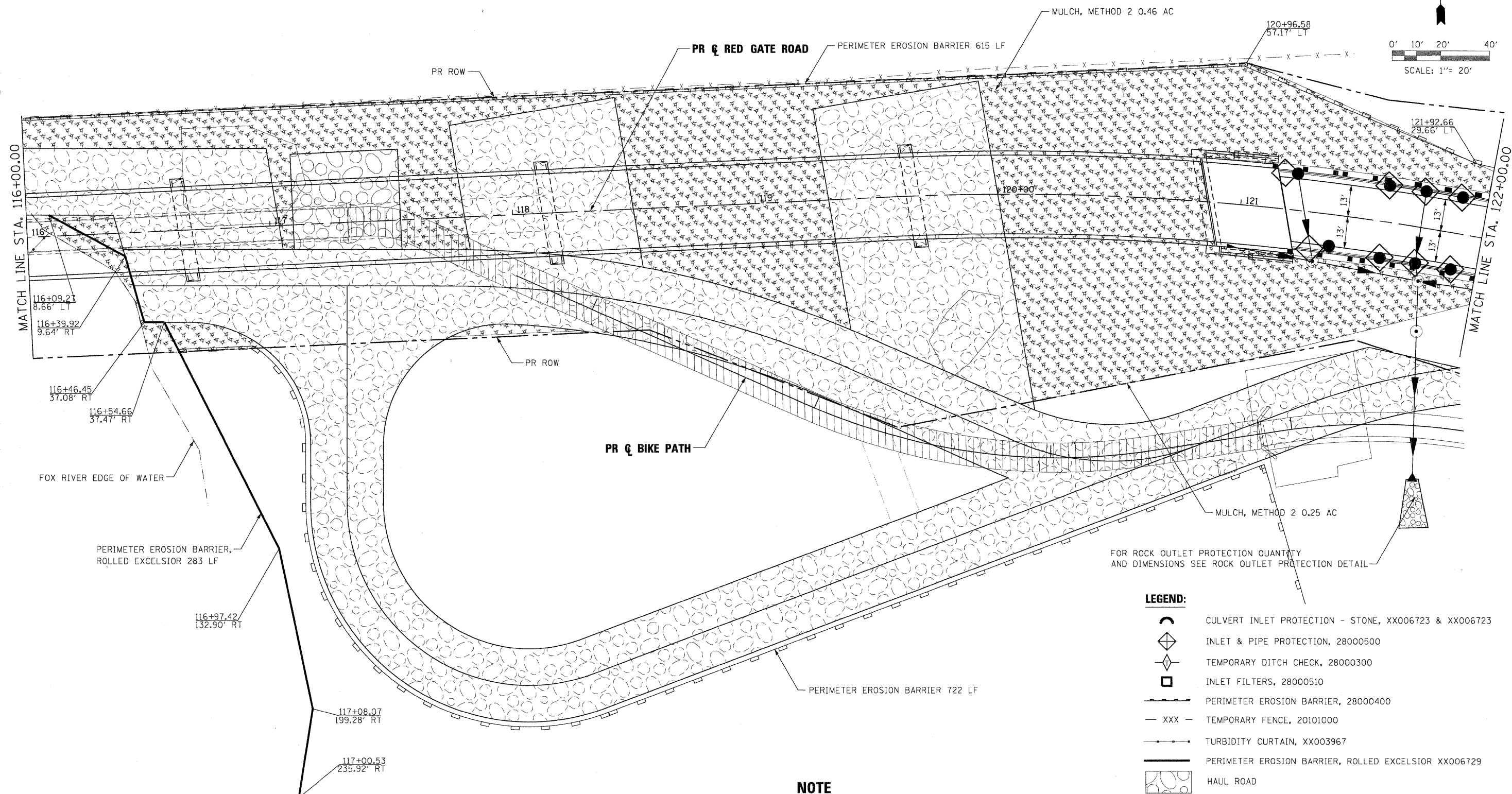
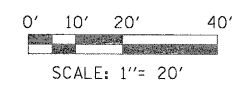


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
 RED GATE ROAD**

SCALE: 1"=20' SHEET NO. 9 OF 23 SHEETS STA. 110+00.00 TO STA. 116+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	110
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



FOR ROCK OUTLET PROTECTION QUANTITY AND DIMENSIONS SEE ROCK OUTLET PROTECTION DETAIL

LEGEND:

- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
- INLET & PIPE PROTECTION, 28000500
- TEMPORARY DITCH CHECK, 28000300
- INLET FILTERS, 28000510
- PERIMETER EROSION BARRIER, 28000400
- TEMPORARY FENCE, 20101000
- TURBIDITY CURTAIN, XX003967
- PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
- HAUL ROAD
- MULCH, METHOD 2, 25100115
- RIP RAP, 28100105 & 28100107
- STABILIZED CONSTRUCTION ENTRANCE, X0322671

NOTE

MULCH SEEDED AREAS AFTER REMOVAL OF THE HAUL ROAD

PLOT SCALE: 1/2"= 20' (PLOT DATE: 11/9/2011)

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CITY OF ST. CHARLES

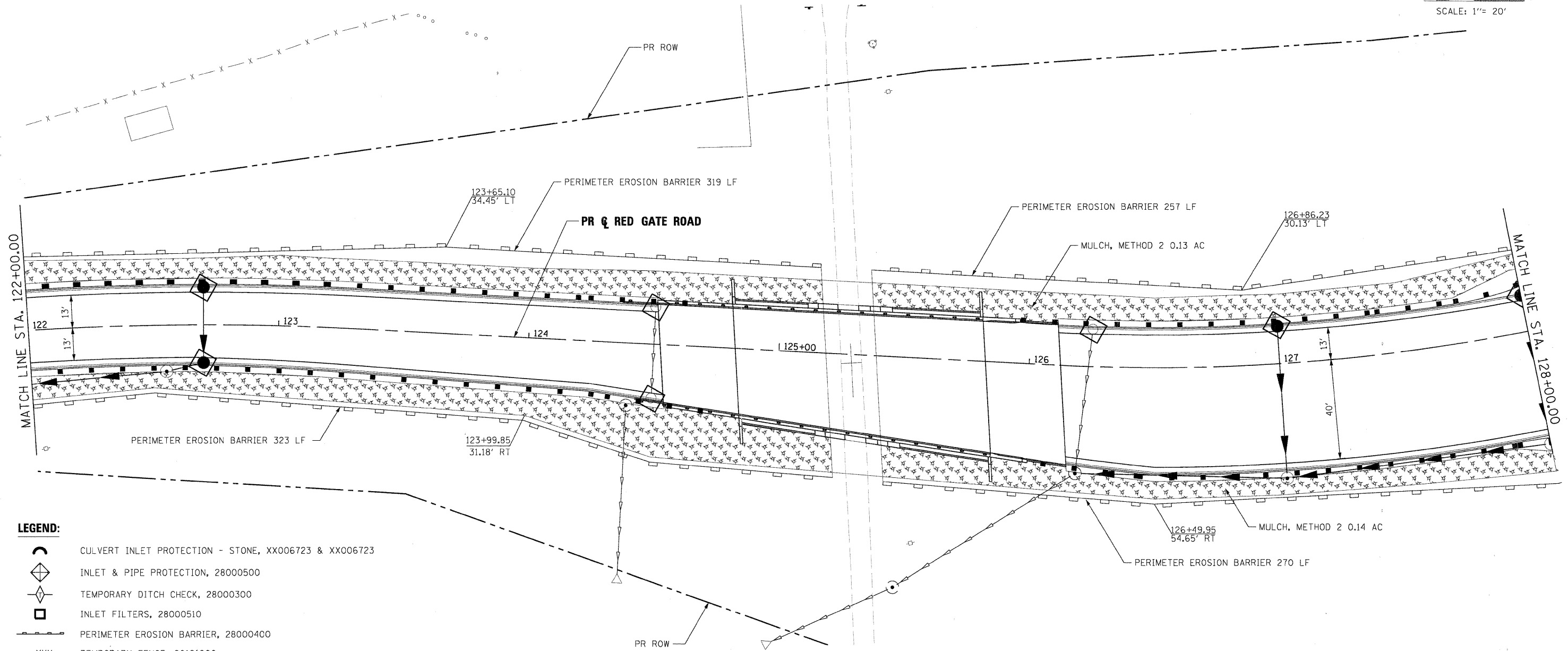
**EROSION AND SEDIMENT CONTROL
RED GATE ROAD**

SCALE: 1"=20' SHEET NO. 10 OF 23 SHEETS STA. 116+00.00 TO STA. 122+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	111
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



0' 10' 20' 40'
SCALE: 1" = 20'



- LEGEND:**
- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
 - INLET & PIPE PROTECTION, 28000500
 - TEMPORARY DITCH CHECK, 28000300
 - INLET FILTERS, 28000510
 - PERIMETER EROSION BARRIER, 28000400
 - TEMPORARY FENCE, 20101000
 - TURBIDITY CURTAIN, XX003967
 - PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
 - SEDIMENT BASIN, 20200300
 - MULCH, METHOD 2, 25100115
 - RIP RAP, 28100105 & 28100107
 - STABILIZED CONSTRUCTION ENTRANCE, X0322671

PLOT SCALE 1/2" = 20'
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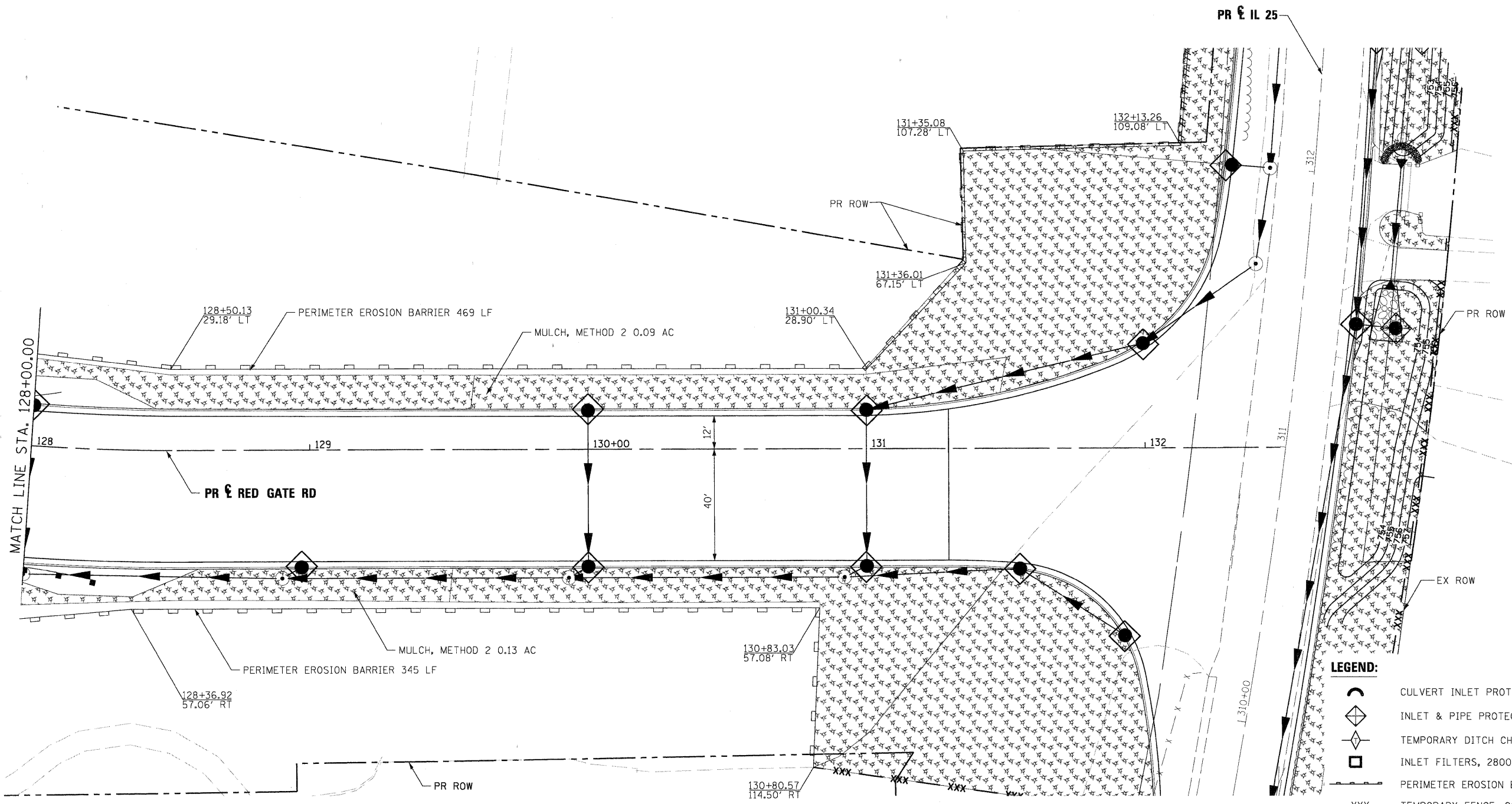
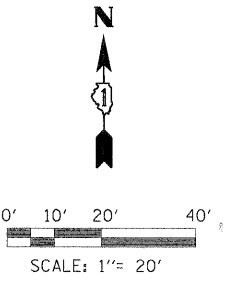


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
RED GATE ROAD**

SCALE: 1"=20' SHEET NO. 11 OF 23 SHEETS STA. 122+00.00 TO STA. 128+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	112
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	



- LEGEND:**
- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
 - INLET & PIPE PROTECTION, 28000500
 - TEMPORARY DITCH CHECK, 28000300
 - INLET FILTERS, 28000510
 - PERIMETER EROSION BARRIER, 28000400
 - TEMPORARY FENCE, 20101000
 - TURBIDITY CURTAIN, XX003967
 - PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
 - SEDIMENT BASIN, 20200300
 - MULCH, METHOD 2, 25100115
 - RIP RAP, 28100105 & 28100107
 - STABILIZED CONSTRUCTION ENTRANCE, X0322671

PLOT SCALE: 1/8"=20'
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 PLOT DATE: 11/9/2011

DESIGNED - MAC	REVISED -
DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -

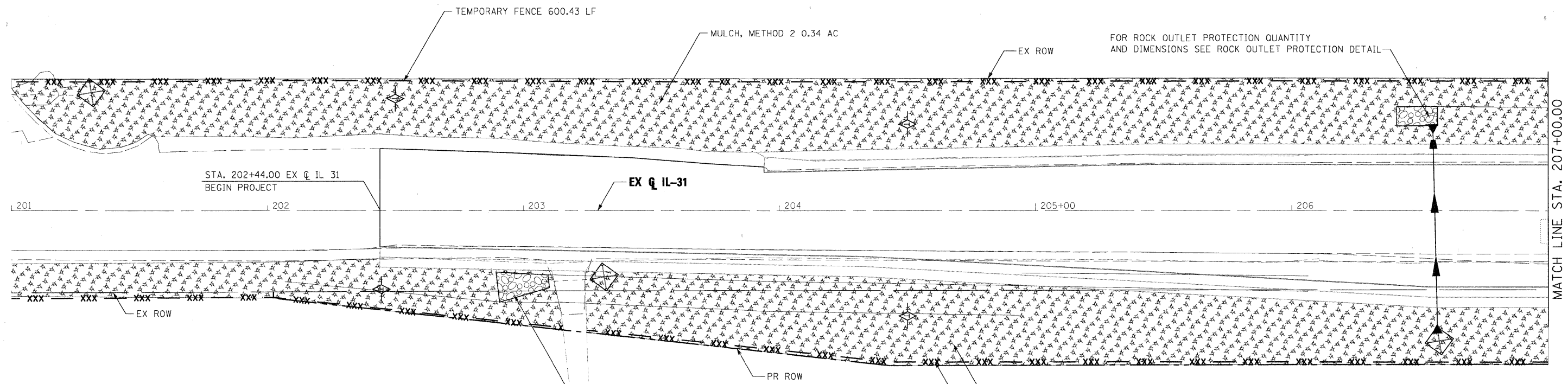
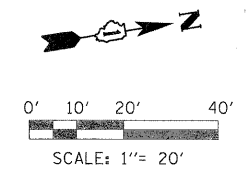


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
RED GATE ROAD**

SCALE: 1"=20' SHEET NO. 12 OF 23 SHEETS STA. 128+00.00 TO STA. EOP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	113
			CONTRACT NO. 63650	
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
 - INLET & PIPE PROTECTION, 28000500
 - TEMPORARY DITCH CHECK, 28000300
 - INLET FILTERS, 28000510
 - PERIMETER EROSION BARRIER, 28000400
 - TEMPORARY FENCE, 20101000
 - TURBIDITY CURTAIN, XX003967
 - PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
 - SEDIMENT BASIN, 20200300
 - MULCH, METHOD 2, 25100115
 - RIP RAP, 28100105 & 28100107
 - STABILIZED CONSTRUCTION ENTRANCE, X0322671

NOTE
 EXTEND MULCH AND TEMPORARY FENCE TO STA. 192+80 FOR WATER MAIN WORK (SEE SHEET 148)

PLOT SCALE 1/2"=20'
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 PLOT DATE: 11/9/2011

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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

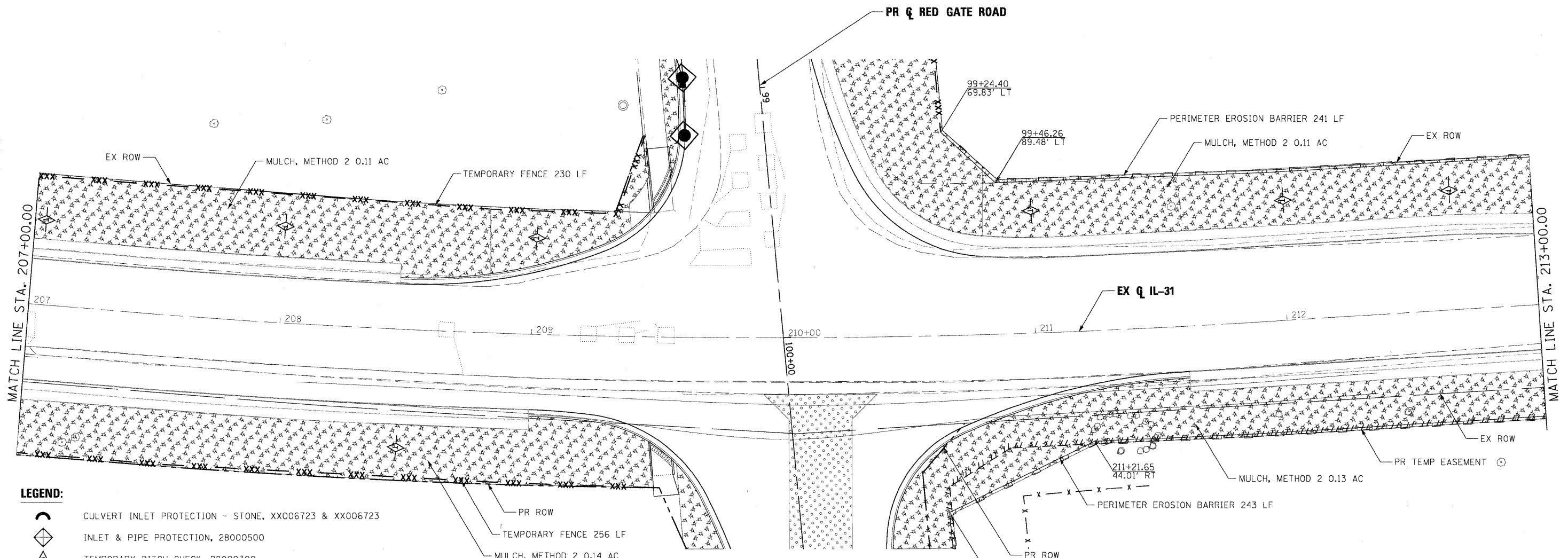
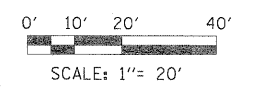


CITY OF ST. CHARLES

















**EROSION AND SEDIMENT CONTROL
 IL 31**

SCALE: 1"=20' SHEET NO. 13 OF 23 SHEETS STA. BOP TO STA. 207+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	114
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



LEGEND:

-  CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
-  INLET & PIPE PROTECTION, 28000500
-  TEMPORARY DITCH CHECK, 28000300
-  INLET FILTERS, 28000510
-  PERIMETER EROSION BARRIER, 28000400
-  - XXX - TEMPORARY FENCE, 20101000
-  - - - - - TURBIDITY CURTAIN, XX003967
-  PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
-   SEDIMENT BASIN, 20200300
-   MULCH, METHOD 2, 25100115
-   RIP RAP, 28100105 & 28100107
-   STABILIZED CONSTRUCTION ENTRANCE, X0322671

PLOT SCALE: 1"=20'
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 PLOT DATE: 11/9/2011

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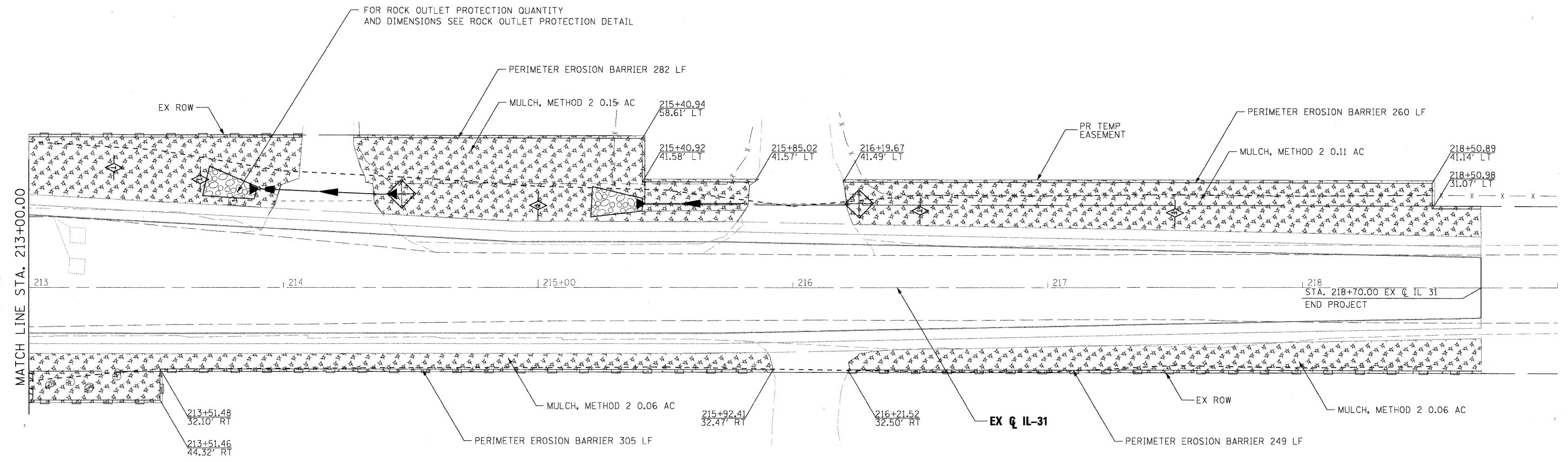
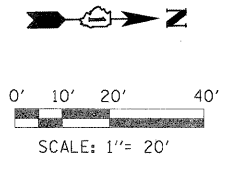


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
IL 31**

SCALE: 1"=20' SHEET NO. 14 OF 23 SHEETS STA. 207+00.00 TO STA. 213+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	115
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



LEGEND:

- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
- INLET & PIPE PROTECTION, 28000500
- TEMPORARY DITCH CHECK, 28000300
- INLET FILTERS, 28000510
- PERIMETER EROSION BARRIER, 28000400
- TEMPORARY FENCE, 20101000
- TURBIDITY CURTAIN, XX003967
- PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
- SEDIMENT BASIN, 20200300
- MULCH, METHOD 2, 25100115
- RIP RAP, 28100105 & 28100107
- STABILIZED CONSTRUCTION ENTRANCE, X0322671

PLOT SCALE: 1/32"= 1' (0.0009765625) FULL SIZE: 11/23/2011
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 PLOT DATE: 11/9/2011

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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

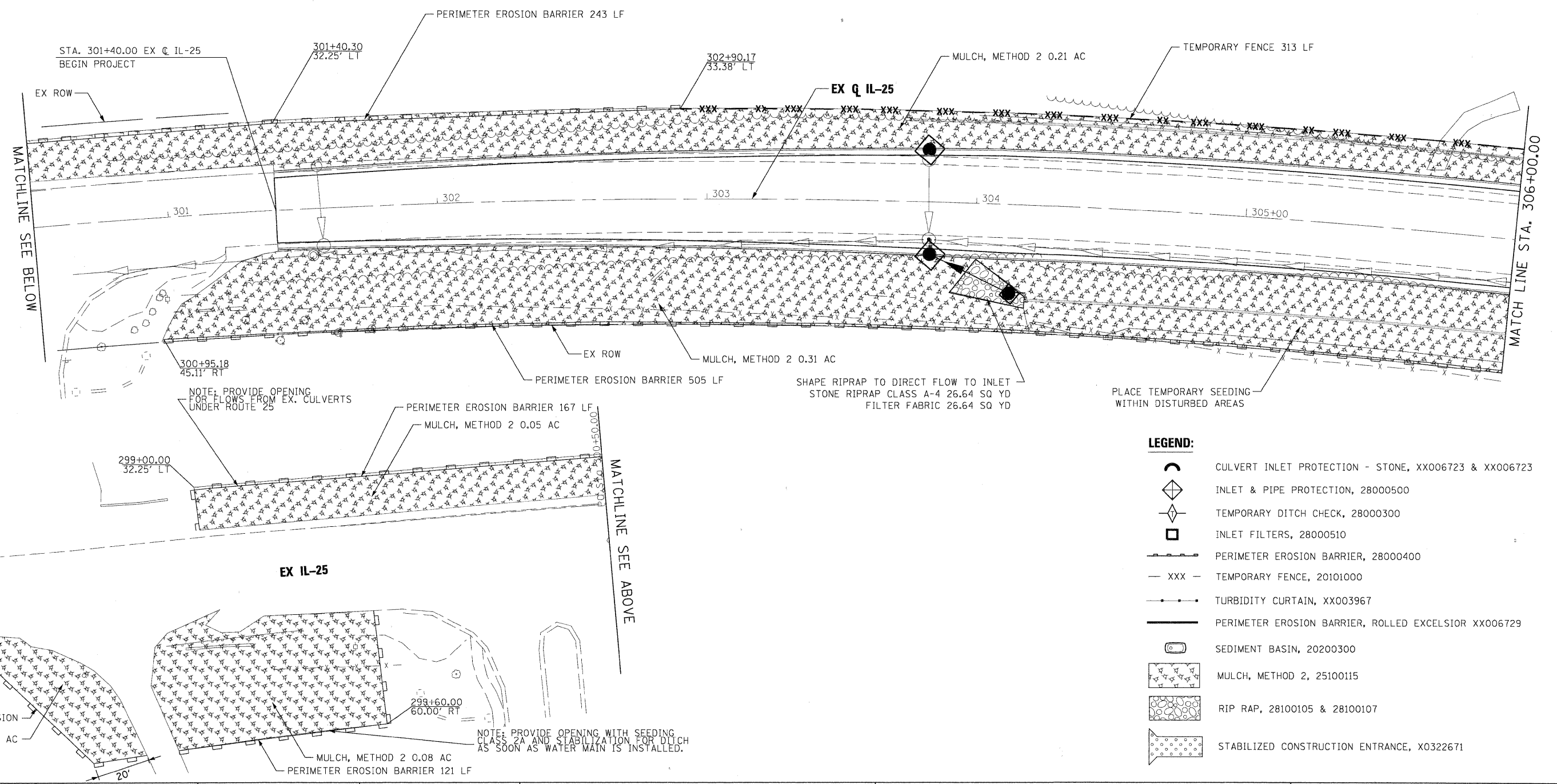
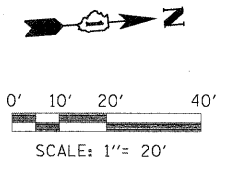


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
IL 31**

SCALE: 1"=20' SHEET NO. 15 OF 23 SHEETS STA. 213+00.00 TO STA. EOP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	116
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	



LEGEND:

- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
- INLET & PIPE PROTECTION, 28000500
- TEMPORARY DITCH CHECK, 28000300
- INLET FILTERS, 28000510
- PERIMETER EROSION BARRIER, 28000400
- TEMPORARY FENCE, 20101000
- TURBIDITY CURTAIN, XX003967
- PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
- SEDIMENT BASIN, 20200300
- MULCH, METHOD 2, 25100115
- RIP RAP, 28100105 & 28100107
- STABILIZED CONSTRUCTION ENTRANCE, X0322671

PLOT SCALE: 1/2"=20'
 FILE NAME: ...
 USER NAME: tblank
 PLOT DATE: 11/9/2011

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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -







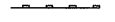




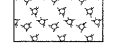

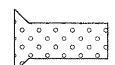
CITY OF ST. CHARLES

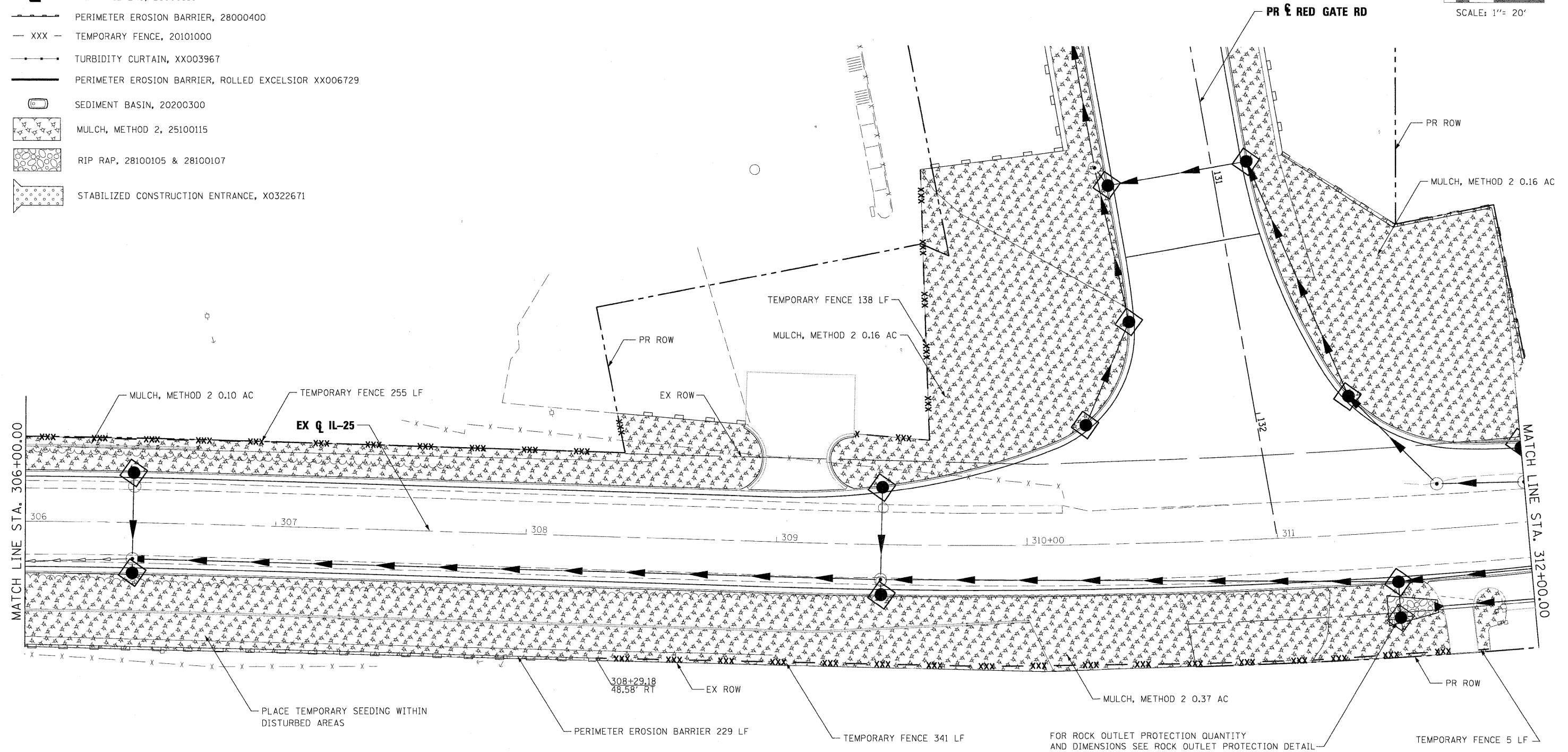
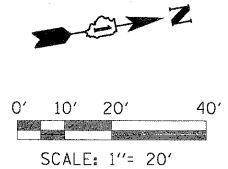
**EROSION AND SEDIMENT CONTROL
IL 25**

SCALE: 1"=20' SHEET NO. 16 OF 23 SHEETS STA. BOP TO STA. 306+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	117
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				

LEGEND:

-  CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
-  INLET & PIPE PROTECTION, 28000500
-  TEMPORARY DITCH CHECK, 28000300
-  INLET FILTERS, 28000510
-  PERIMETER EROSION BARRIER, 28000400
-  XXX - TEMPORARY FENCE, 20101000
-  TURBIDITY CURTAIN, XX003967
-  PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
-  SEDIMENT BASIN, 20200300
-  MULCH, METHOD 2, 25100115
-  RIP RAP, 28100105 & 28100107
-  STABILIZED CONSTRUCTION ENTRANCE, X0322671



PLOT SCALE: 1"=20'
 FILE NAME: ...
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 PLOT DATE: 11/9/2011

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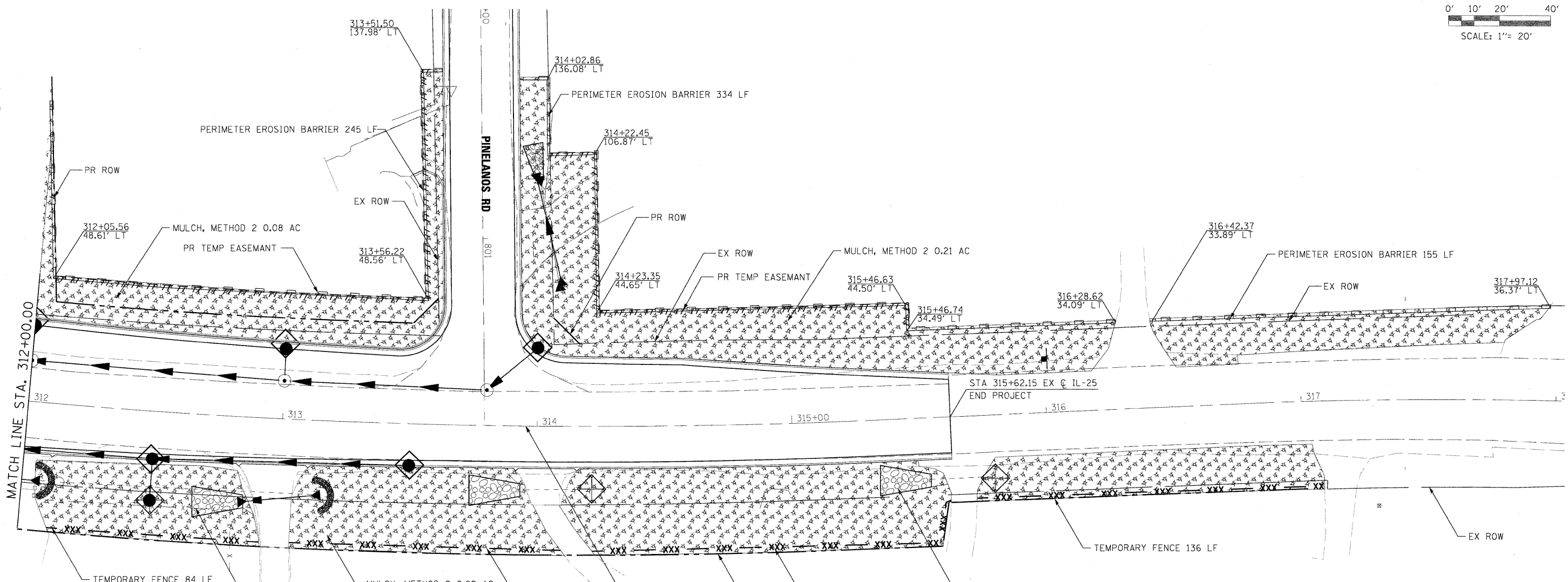
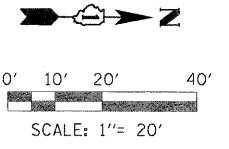


CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
IL 25**

SCALE: 1"=20' SHEET NO. 17 OF 23 SHEETS STA. 306+00.00 TO STA. 312+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	118
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				















MATCH LINE STA. 312+00.00

STA 315+62.15 EX @ IL-25
END PROJECT

FOR ROCK OUTLET PROTECTION QUANTITY
AND DIMENSIONS SEE ROCK OUTLET PROTECTION DETAIL

FOR ROCK OUTLET PROTECTION QUANTITY
AND DIMENSIONS SEE ROCK OUTLET PROTECTION DETAIL

- LEGEND:**
-  CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
 -  INLET & PIPE PROTECTION, 28000500
 -  TEMPORARY DITCH CHECK, 28000300
 -  INLET FILTERS, 28000510
 -  PERIMETER EROSION BARRIER, 28000400
 -  TEMPORARY FENCE, 20101000
 -  TURBIDITY CURTAIN, XX003967
 -  PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
 -  SEDIMENT BASIN, 20200300
 -  MULCH, METHOD 2, 25100115
 -  RIP RAP, 28100105 & 28100107
 -  STABILIZED CONSTRUCTION ENTRANCE, X0322671

PLOT SCALE: 1/4\"/>

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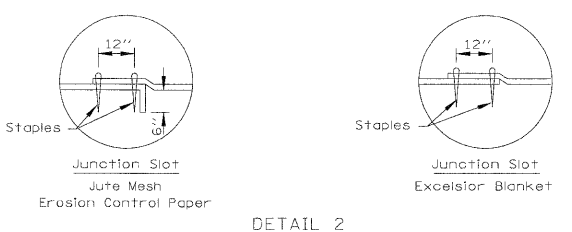
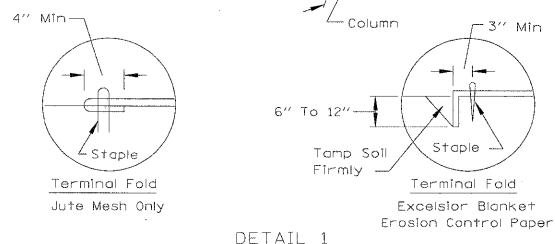
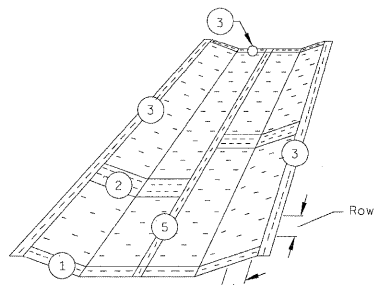
CITY OF ST. CHARLES

**EROSION AND SEDIMENT CONTROL
IL 25**

SCALE: 1"=20' SHEET NO. 18 OF 23 SHEETS STA. 312+00.00 TO STA. EOP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	119
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL BLANKET PLAN

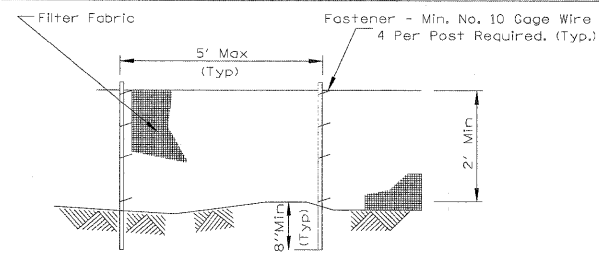


DETAIL 1

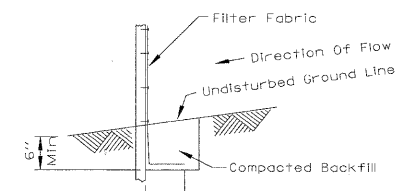
DETAIL 2

REFERENCE Project: RED GATE ROAD		STANDARD DWG. NO. IL-530
Designed: _____ Date: _____		SEET 1 OF 2
Checked: _____ Date: _____		DATE: 5-24-94
Approved: _____ Date: _____		

PERIMETER EROSION BARRIER PLAN



ELEVATION

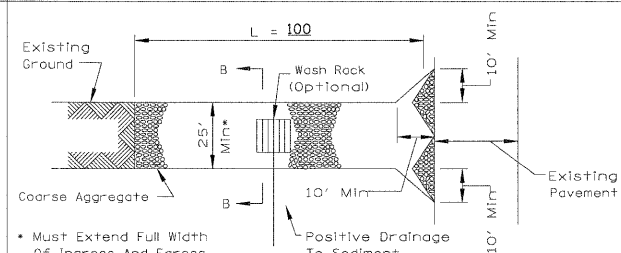


FABRIC ANCHOR DETAIL

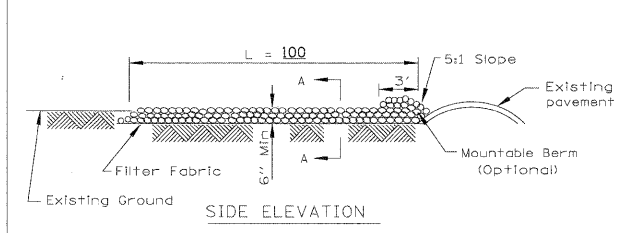
- NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification Article 1080.02.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project: RED GATE ROAD		STANDARD DWG. NO. IL-620
Designed: _____ Date: _____		SHEET 1 OF 2
Checked: _____ Date: _____		DATE: 11-20-01
Approved: _____ Date: _____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



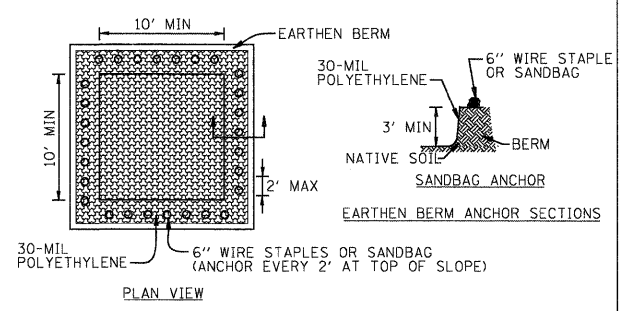
PLAN VIEW



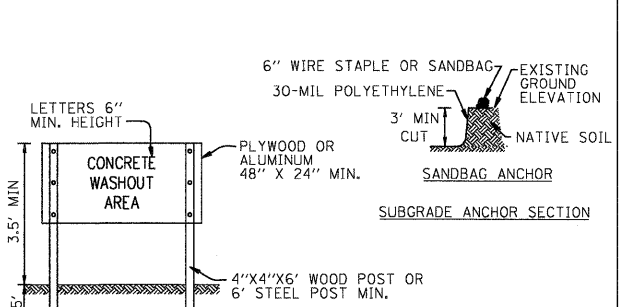
SIDE ELEVATION

- NOTES:
1. Filter fabric shall meet the requirements of material specification Article 1080.03.
 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to Article 281.4.
 3. Any drainage facilities required because of washing shall be constructed according to manufacturer's specifications.
 4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project: RED GATE ROAD		STANDARD DWG. NO. IL-630
Designed: _____ Date: _____		SHEET 1 OF 2
Checked: _____ Date: _____		DATE: 8-18-94
Approved: _____ Date: _____		



PLAN VIEW

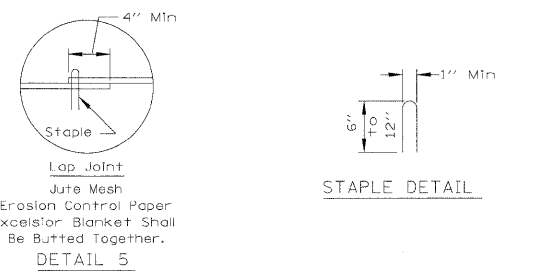
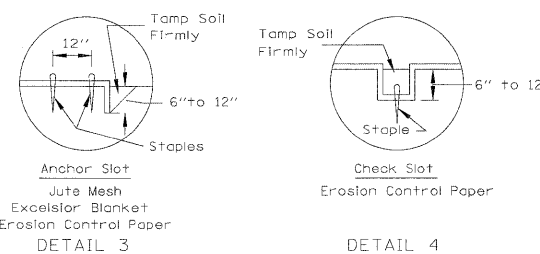


SIGN DETAIL

- NOTES:
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
 2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

REFERENCE Project: RED GATE ROAD		STANDARD DWG. NO. IL-630
Designed: _____ Date: _____		SHEET 1 OF 2
Checked: _____ Date: _____		DATE: 8-18-94
Approved: _____ Date: _____		

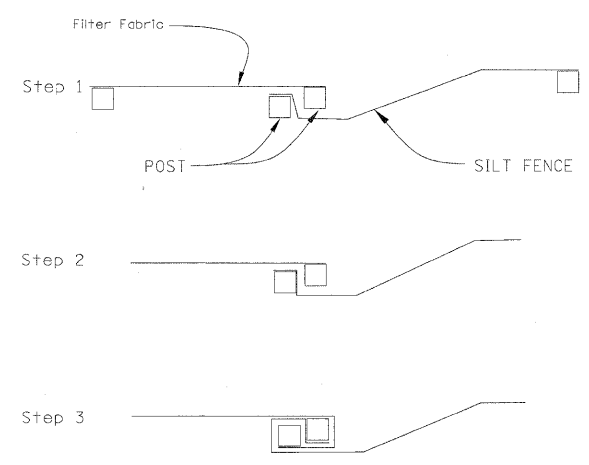
EROSION CONTROL BLANKET PLAN



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

REFERENCE Project: RED GATE ROAD		STANDARD DWG. NO. IL-530
Designed: _____ Date: _____		SHEET 2 OF 2
Checked: _____ Date: _____		DATE: 3-1-95
Approved: _____ Date: _____		

PERIMETER EROSION BARRIER

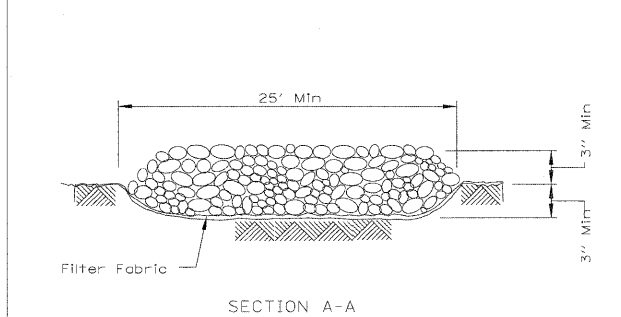


ATTACHING TWO SILT FENCES

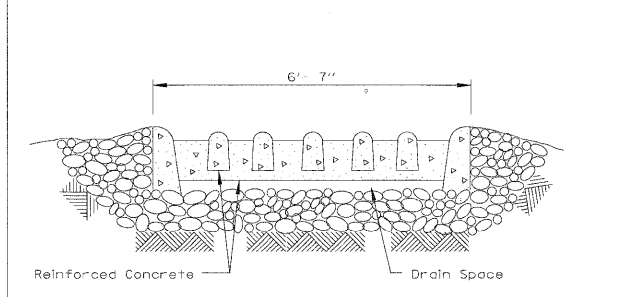
- NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
 2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE Project: RED GATE ROAD		STANDARD DWG. NO. IL-620(W)
Designed: _____ Date: _____		SHEET 2 OF 2
Checked: _____ Date: _____		DATE: 1-29-99
Approved: _____ Date: _____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



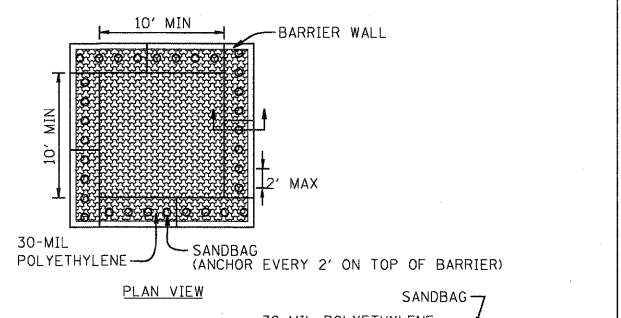
SECTION A-A



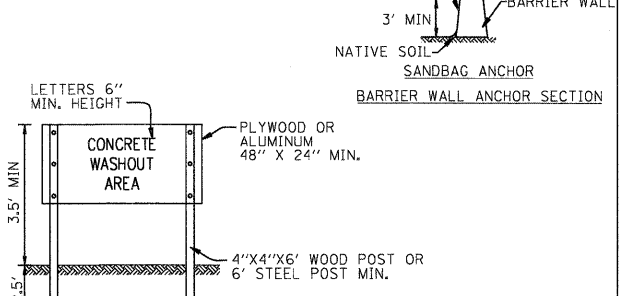
SECTION B-B

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

REFERENCE Project: RED GATE ROAD		STANDARD DWG. NO. IL-630
Designed: _____ Date: _____		SHEET 2 OF 2
Checked: _____ Date: _____		DATE: 8-18-94
Approved: _____ Date: _____		



PLAN VIEW



SIGN DETAIL

- NOTES:
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
 2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

REFERENCE Project: RED GATE ROAD		STANDARD DWG. NO. IL-630
Designed: _____ Date: _____		SHEET 2 OF 2
Checked: _____ Date: _____		DATE: 8-18-94
Approved: _____ Date: _____		

PLOT SCALE: 1/8" = 1'-0" CONTOUR FULL SIZE: 1/8" = 1'-0" USER: tblank

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	DATE: 10/23/2011	REVISED: _____

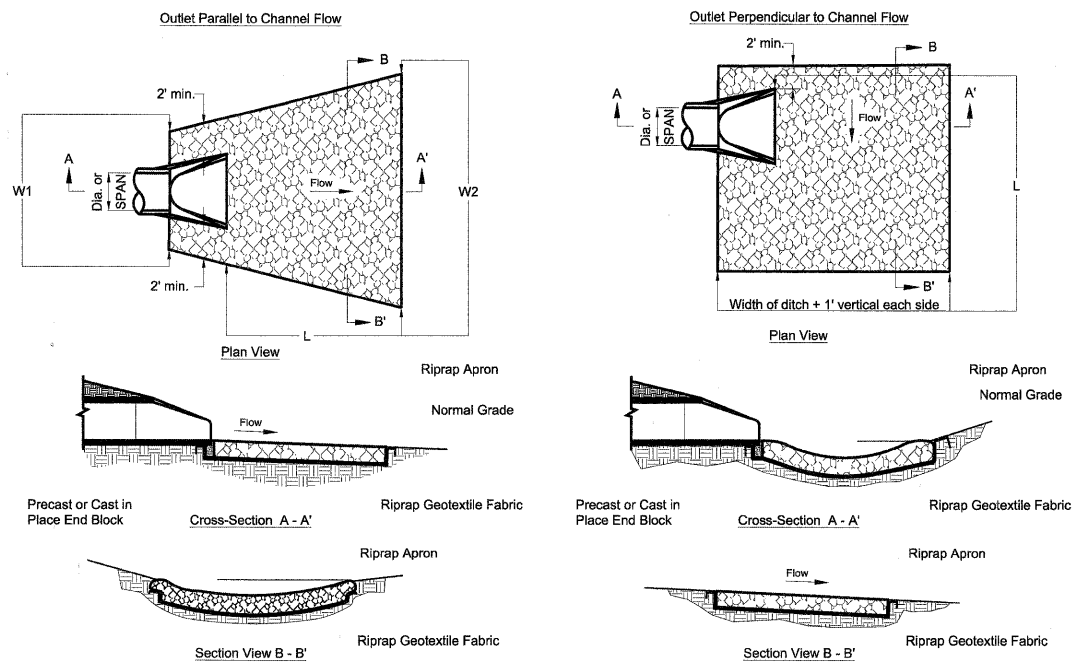
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CHECKED: RMT	REVISED: _____
DATE: 10/23/2011	REVISED: _____



CITY OF ST. CHARLES

SCALE: NTS	SHEET NO. 19 OF 23 SHEETS	STA. _____ TO STA. _____
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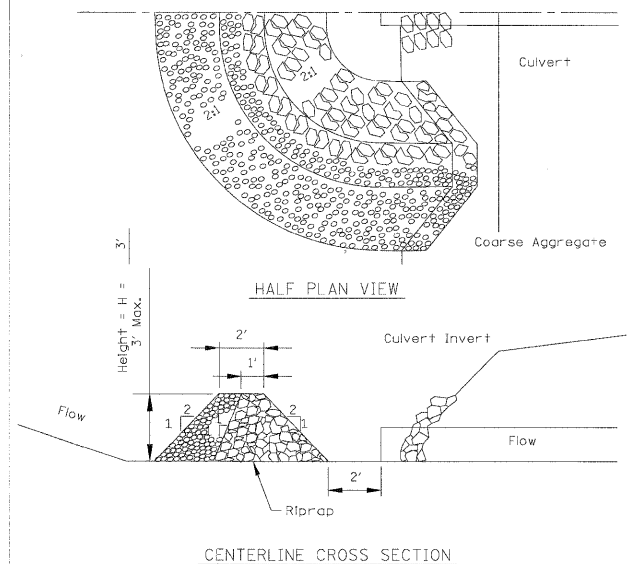
EROSION CONTROL DETAILS			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
	04-00092-00-BR	KANE	440
			120
CONTRACT NO. 63650			
ILLINOIS FED. AID PROJECT			



ROCK OUTLET PROTECTION DETAIL
N.T.S.

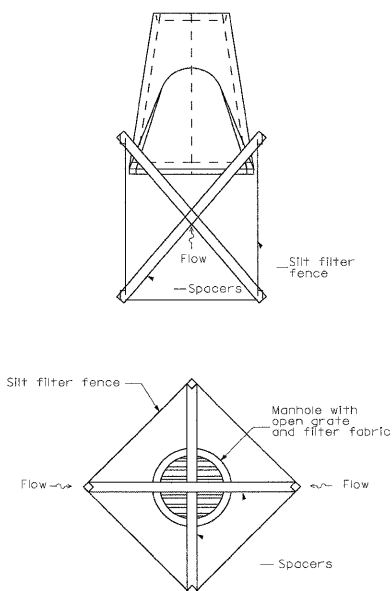
DIA. OF ROUND INLET PIPE (in)	IDOT RIPRAP GRADATION (RR)	RIPRAP BED THICKNESS (in)	APRON LENGTH (ft)		APRON WIDTH (ft)		DEPTH BELOW NORMAL GRADE
			T	L	W1	W2	
12	RR-3	15.0	12.0	5.0	11.0	6.0	6.0
15	RR-3	15.0	14.0	5.0	12.0	6.0	6.0
18	RR-3	15.0	16.0	5.5	13.5	7.0	7.0
24	RR-4	15.0	20.0	6.0	16.0	10.0	10.0
30	RR-4	20.0	22.0	6.0	17.0	11.0	11.0
36	RR-4	20.0	24.0	7.0	19.0	11.0	11.0

CULVERT INLET PROTECTION - STONE



- Notes:
- Sediment shall be removed when the sediment has accumulated to one-half the height of the stone berm.
 - Coarse aggregate shall meet one of the following IDOT coarse aggregate gradations: CA-1, CA-2, CA-3 or CA-4.
 - Riprap shall meet IDOT gradation RR-3 or RR-4.
 - Any permanent riprap, such as for the culvert headwall, shall meet IDOT Quality Designation A.
 - Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 - The maximum drainage area to the culvert being protected is 3 acres.
 - See plans for H dimension. Tie the stone berm into the culvert embankment a minimum of 1 foot above the design elevation of the stone berm.
 - Pay Items: XX006722 and XX006723.

REFERENCE Project: RED GATE ROAD	 NRCS Natural Resources Conservation Service	STANDARD DRS. NO. IL-508ST
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 1-23-99
Approved _____ Date _____		



INLET AND PIPE PROTECTION DETAIL

PLOT SCALE: 1/8" = 1'-0"
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 PLOT DATE: 11/9/2011

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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

benesch
engineers · scientists · planners



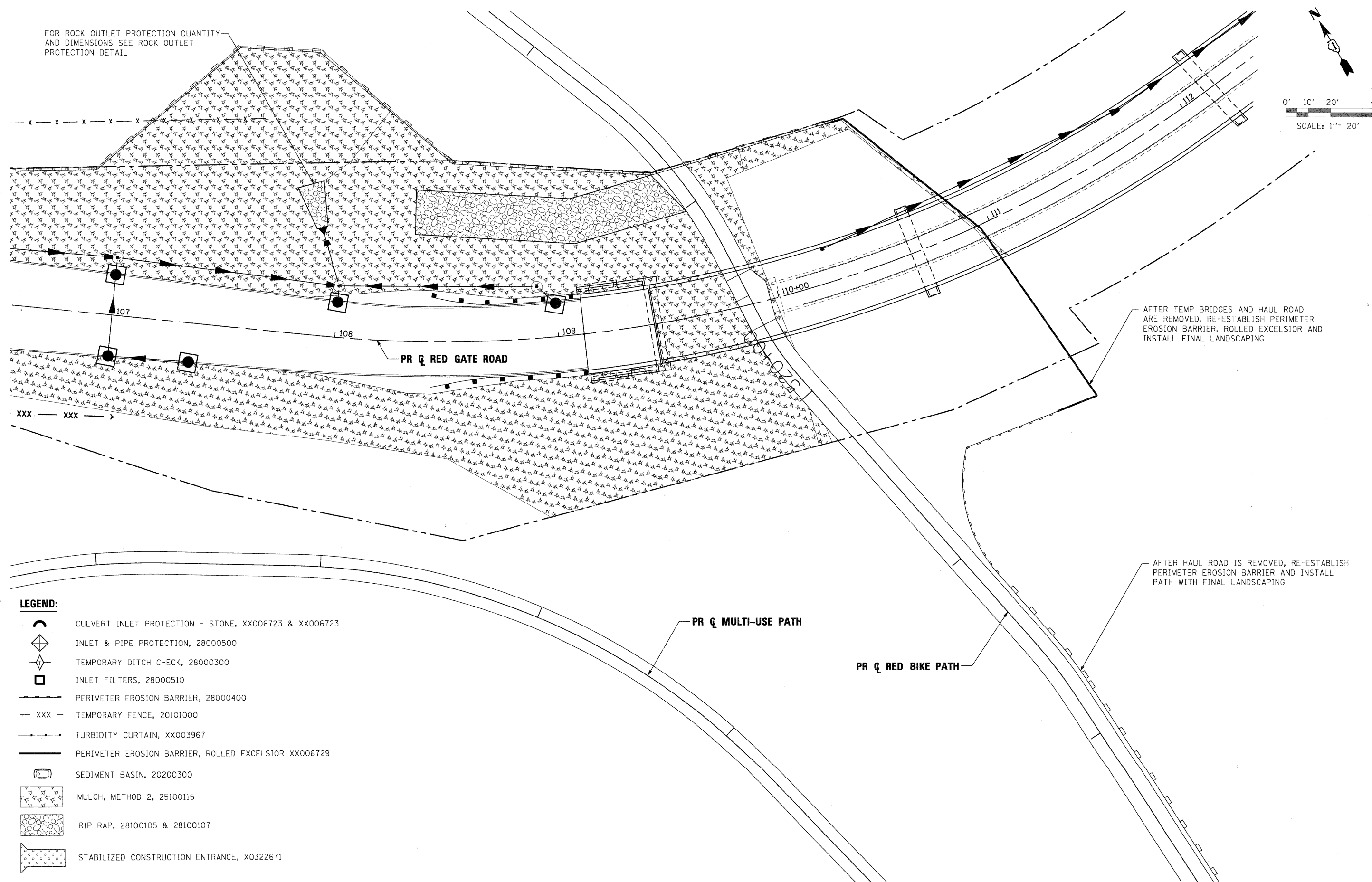
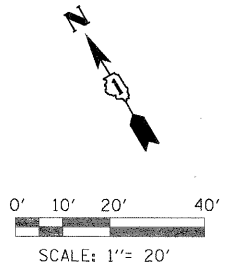
CITY OF ST. CHARLES

EROSION CONTROL DETAILS

SCALE: NTS SHEET NO. 20 OF 23 SHEETS STA. TO STA.













F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	121
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

FOR ROCK OUTLET PROTECTION QUANTITY AND DIMENSIONS SEE ROCK OUTLET PROTECTION DETAIL



AFTER TEMP BRIDGES AND HAUL ROAD ARE REMOVED, RE-ESTABLISH PERIMETER EROSION BARRIER, ROLLED EXCELSIOR AND INSTALL FINAL LANDSCAPING

AFTER HAUL ROAD IS REMOVED, RE-ESTABLISH PERIMETER EROSION BARRIER AND INSTALL PATH WITH FINAL LANDSCAPING

- LEGEND:**
-  CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
 -  INLET & PIPE PROTECTION, 28000500
 -  TEMPORARY DITCH CHECK, 28000300
 -  INLET FILTERS, 28000510
 -  PERIMETER EROSION BARRIER, 28000400
 -  TEMPORARY FENCE, 20101000
 -  TURBIDITY CURTAIN, XX003967
 -  PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
 -  SEDIMENT BASIN, 20200300
 -  MULCH, METHOD 2, 25100115
 -  RIP RAP, 28100105 & 28100107
 -  STABILIZED CONSTRUCTION ENTRANCE, X0322671

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PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -

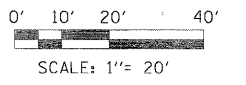


CITY OF ST. CHARLES

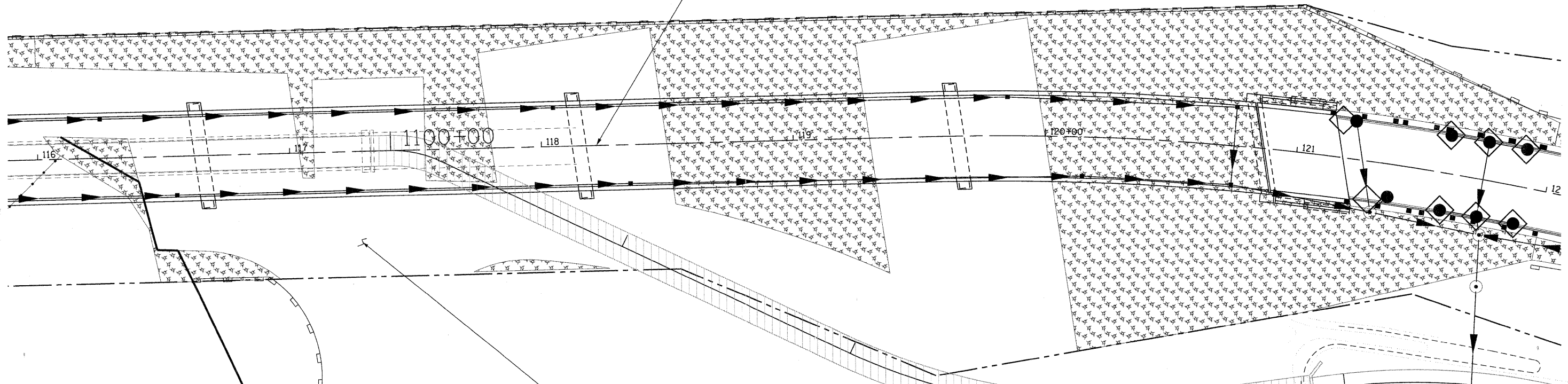
EROSION CONTROL DETAILS - WEST ABUTMENT

SCALE: 1"=20' SHEET NO. 21 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	122
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



PR & RED GATE ROAD















AFTER CAUSEWAY, TEMP BRIDGE AND HAUL ROAD ARE REMOVED, RE-ESTABLISH PERIMETER EROSION BARRIER AND INSTALL FINAL LANDSCAPING

PR & BIKE PATH

AFTER HAUL ROAD IS REMOVED, RESTORE AREA AND RE-ESTABLISH PERIMETER EROSION BARRIER AS DIRECTED BY ENGINEER

LEGEND:

-  CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
-  INLET & PIPE PROTECTION, 28000500
-  TEMPORARY DITCH CHECK, 28000300
-  INLET FILTERS, 28000510
-  PERIMETER EROSION BARRIER, 28000400
-  - XXX - TEMPORARY FENCE, 20101000
-  - - - - - TURBIDITY CURTAIN, XX003967
-  PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
-  (C) SEDIMENT BASIN, 20200300
-  MULCH, METHOD 2, 25100115
-  RIP RAP, 28100105 & 28100107
-  STABILIZED CONSTRUCTION ENTRANCE, X0322671

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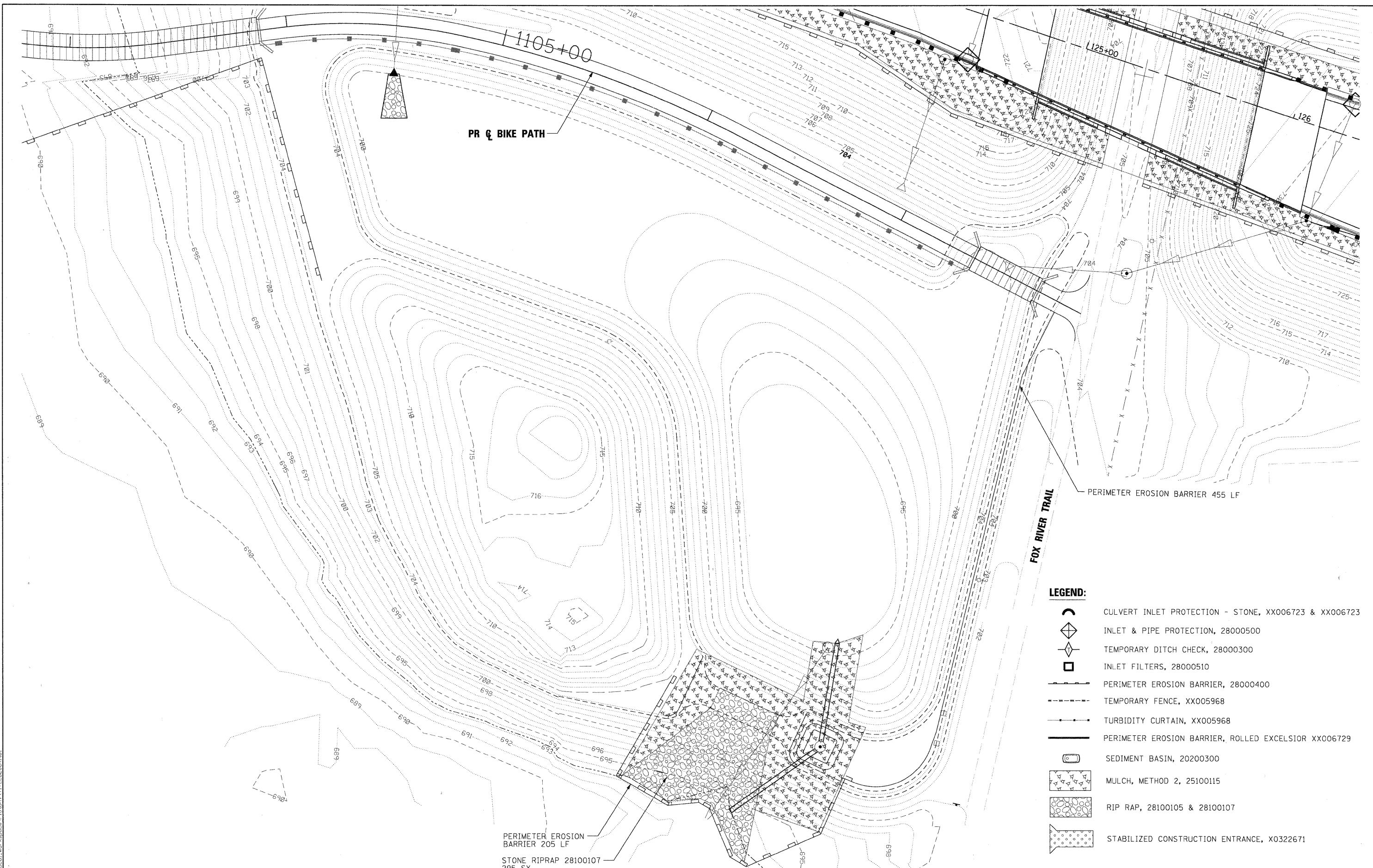


CITY OF ST. CHARLES

EROSION CONTROL DETAILS - EAST ABUTMENT

SCALE: 1"=20' SHEET NO. 22 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	123
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
 - INLET & PIPE PROTECTION, 28000500
 - TEMPORARY DITCH CHECK, 28000300
 - INLET FILTERS, 28000510
 - PERIMETER EROSION BARRIER, 28000400
 - TEMPORARY FENCE, XX005968
 - TURBIDITY CURTAIN, XX005968
 - PERIMETER EROSION BARRIER, ROLLED EXCELSIOR XX006729
 - SEDIMENT BASIN, 20200300
 - MULCH, METHOD 2, 25100115
 - RIP RAP, 28100105 & 28100107
 - STABILIZED CONSTRUCTION ENTRANCE, X0322671

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 PLOT DATE = 11/29/2011

FILE NAME =	DESIGNED - MAC	REVISED -
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PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

EROSION CONTROL DETAILS - EAST POND

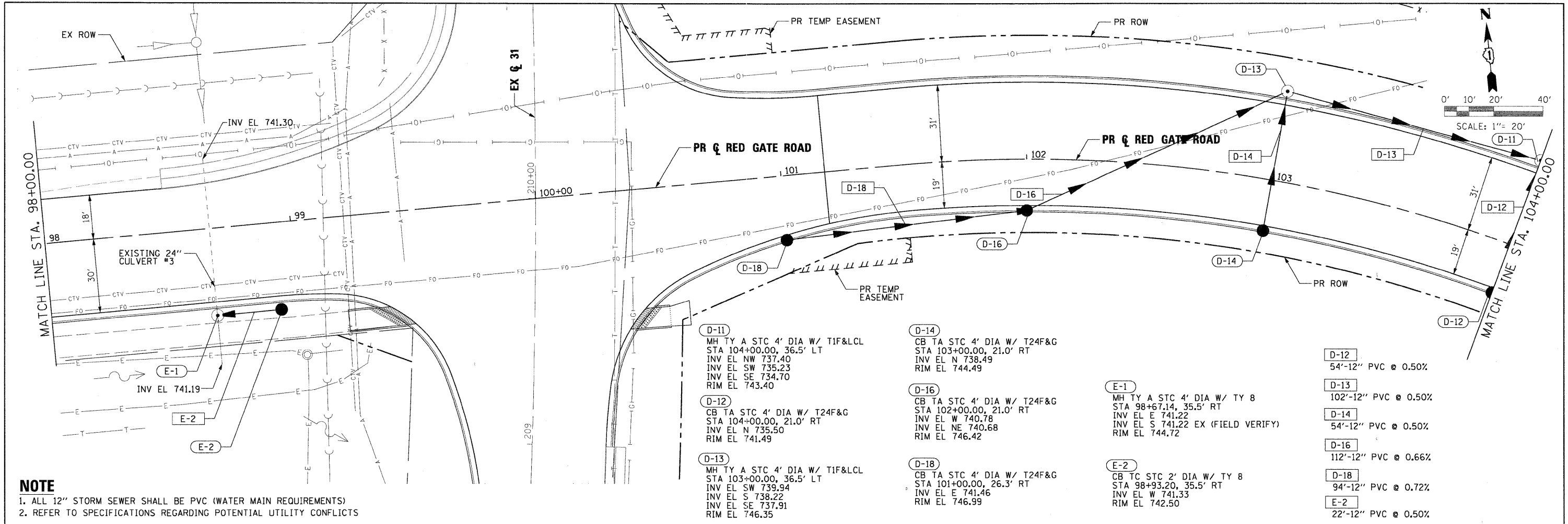
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	124
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	BY	
	NO.	

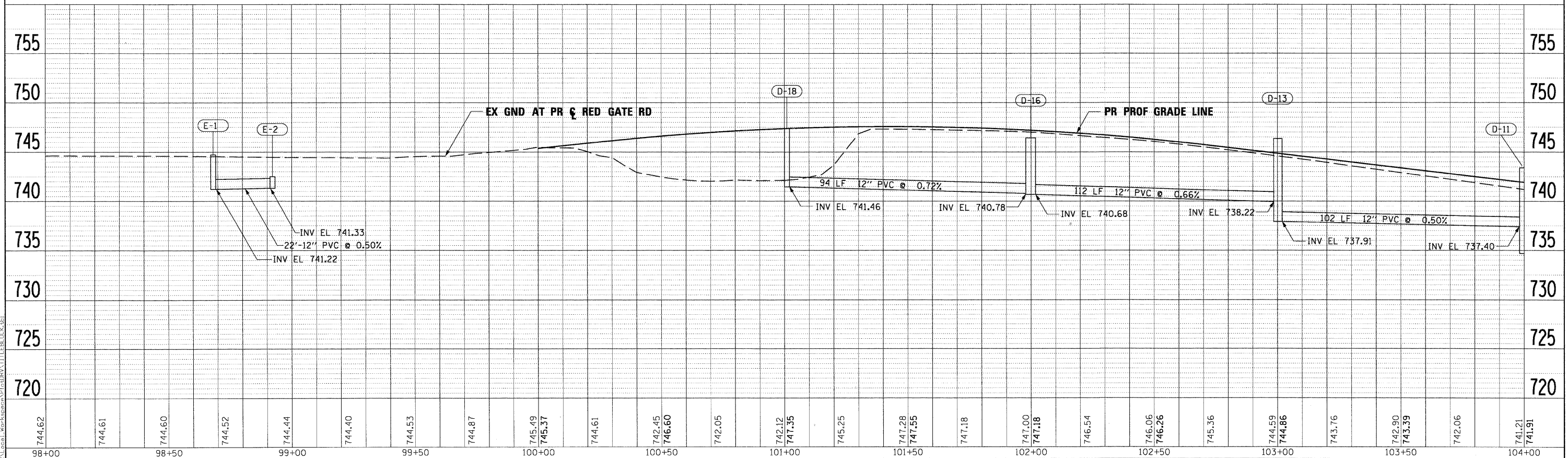
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	NOTED	
	BY	
	NO.	

PLOT SCALE: 1/2"=20'
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NOTE
 1. ALL 12" STORM SEWER SHALL BE PVC (WATER MAIN REQUIREMENTS)
 2. REFER TO SPECIFICATIONS REGARDING POTENTIAL UTILITY CONFLICTS

- D-11**
 MH TY A STC 4' DIA W/ T1F&LCL
 STA 104+00.00, 36.5' LT
 INV EL NW 737.40
 INV EL SW 735.23
 INV EL SE 734.70
 RIM EL 743.40
- D-12**
 CB TA STC 4' DIA W/ T24F&G
 STA 104+00.00, 21.0' RT
 INV EL N 735.50
 RIM EL 741.49
- D-13**
 MH TY A STC 4' DIA W/ T1F&LCL
 STA 103+00.00, 36.5' LT
 INV EL SW 739.94
 INV EL S 738.22
 INV EL SE 737.91
 RIM EL 746.35
- D-14**
 CB TA STC 4' DIA W/ T24F&G
 STA 103+00.00, 21.0' RT
 INV EL N 738.49
 RIM EL 744.49
- D-16**
 CB TA STC 4' DIA W/ T24F&G
 STA 102+00.00, 21.0' RT
 INV EL W 740.78
 INV EL NE 740.68
 RIM EL 746.42
- D-18**
 CB TA STC 4' DIA W/ T24F&G
 STA 101+00.00, 26.3' RT
 INV EL E 741.46
 RIM EL 746.99
- E-1**
 MH TY A STC 4' DIA W/ TY 8
 STA 98+67.14, 35.5' RT
 INV EL E 741.22
 INV EL S 741.22 EX (FIELD VERIFY)
 RIM EL 744.72
- E-2**
 CB TC STC 2' DIA W/ TY 8
 STA 98+93.20, 35.5' RT
 INV EL W 741.33
 RIM EL 742.50
- D-12**
 54'-12" PVC @ 0.50%
- D-13**
 102'-12" PVC @ 0.50%
- D-14**
 54'-12" PVC @ 0.50%
- D-16**
 112'-12" PVC @ 0.66%
- D-18**
 94'-12" PVC @ 0.72%
- E-2**
 22'-12" PVC @ 0.50%

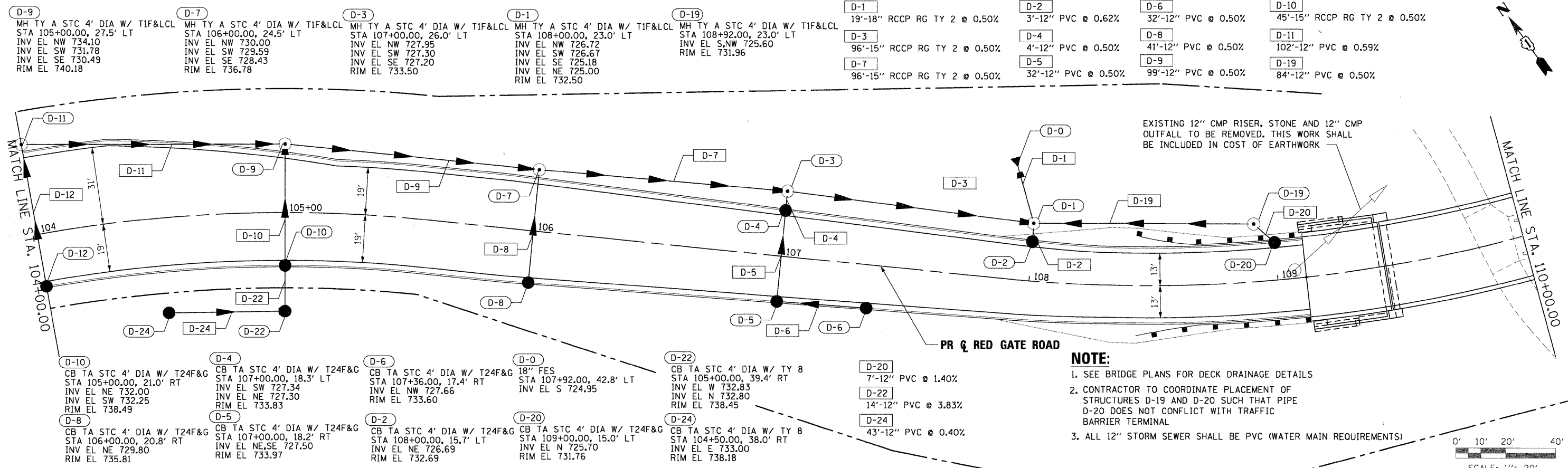


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	DATE = 10/23/2011	REVISED -			ILLINOIS FED. AID PROJECT							

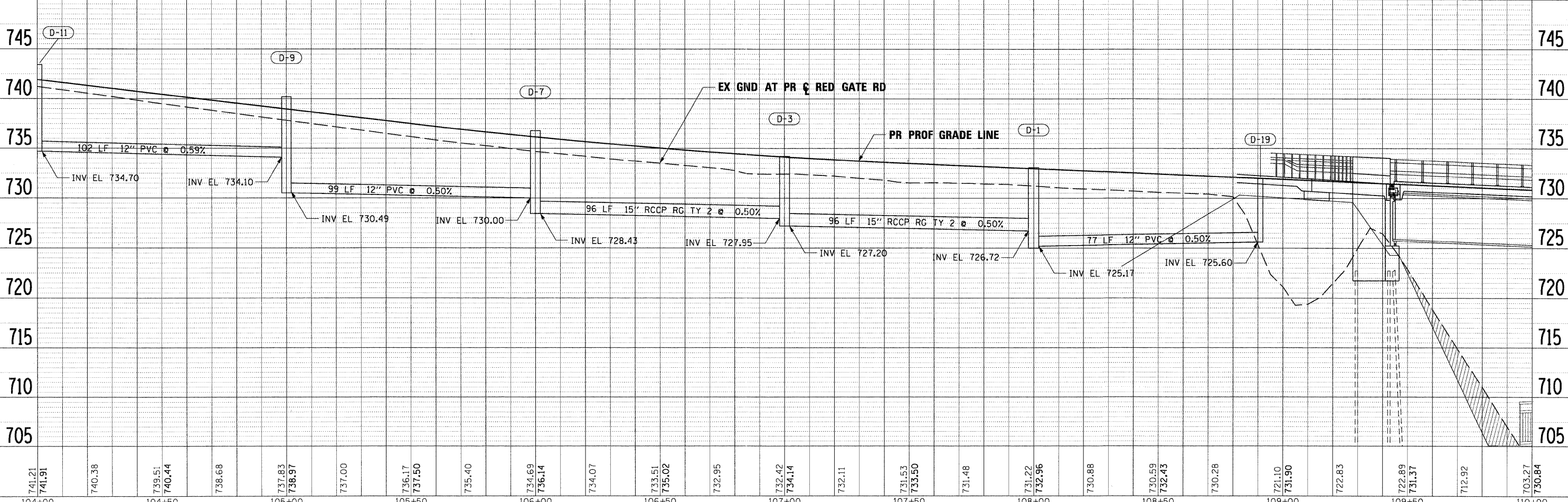
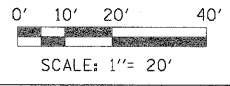
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	RT. OF WAY		
	CHECKED		
	NO.		
	NO.		

PROFILE	SURVEYED	BY	DATE
	CLOSED		
	NOTED		
	STRUCTURE		
	NOTATNS		
	CIPRO		
	NO.		

PLOT SCALE: 1"=20'
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 PLOT DATE = 11/29/2011



- NOTE:**
1. SEE BRIDGE PLANS FOR DECK DRAINAGE DETAILS
 2. CONTRACTOR TO COORDINATE PLACEMENT OF STRUCTURES D-19 AND D-20 SUCH THAT PIPE D-20 DOES NOT CONFLICT WITH TRAFFIC BARRIER TERMINAL
 3. ALL 12" STORM SEWER SHALL BE PVC (WATER MAIN REQUIREMENTS)

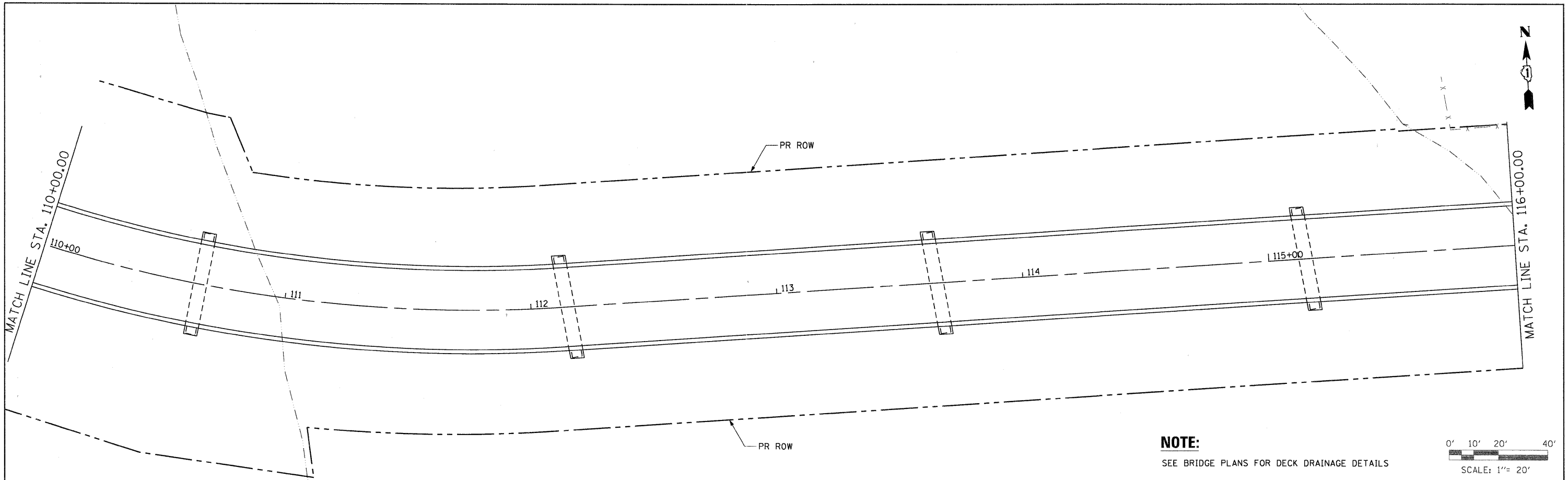


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PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -				ILLINOIS FED. AID PROJECT				

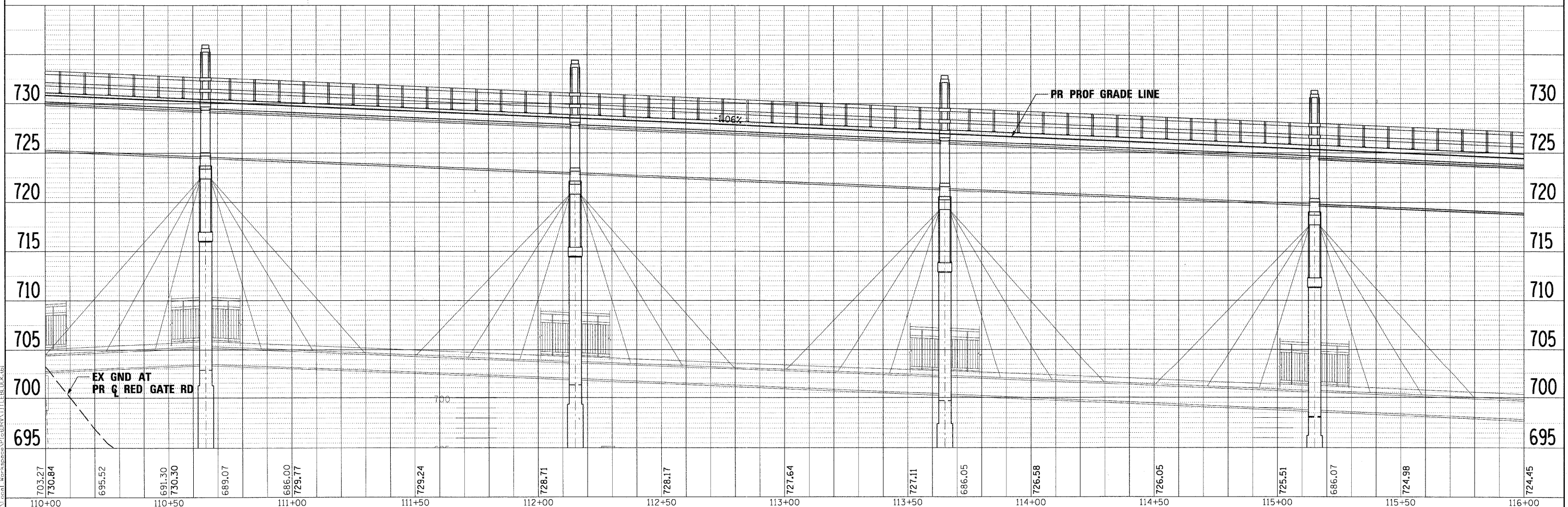
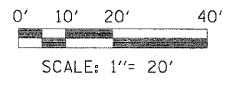
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	BY		
	DATE		
	NO.		

PROFILE	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	CHECKED		
	BY		
	DATE		
	NO.		

PLOT SCALE: 1/2"=20'
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 PLOT DATE: 11/29/2011



NOTE:
 SEE BRIDGE PLANS FOR DECK DRAINAGE DETAILS

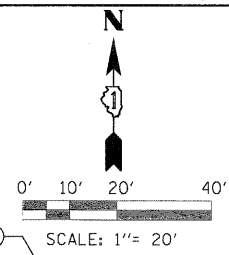


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110+00			110+50			111+00		111+50	112+00		112+50	113+00		113+50		114+00		114+50	115+00	116+00

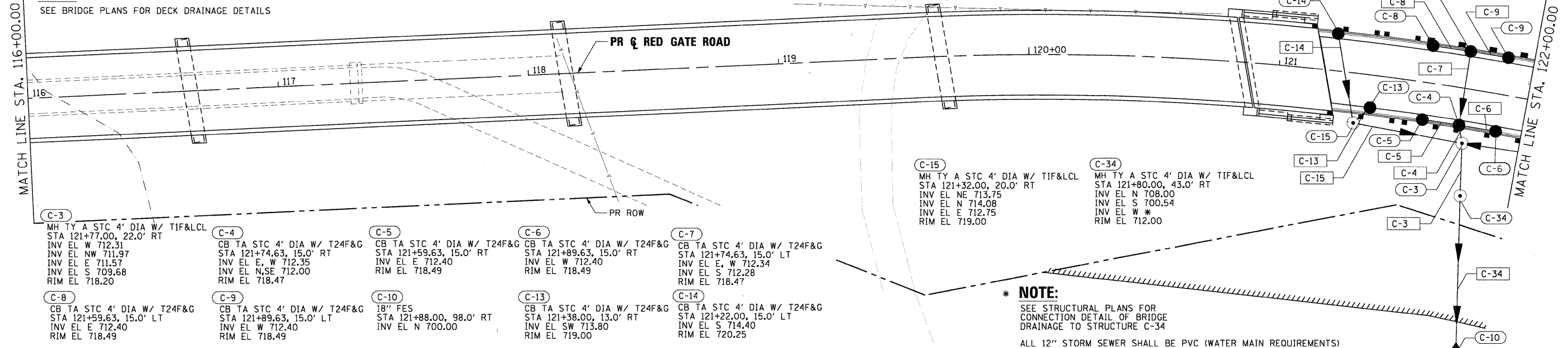
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PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -

benesch engineers - scientists - planners		CITY OF ST. CHARLES		DRAINAGE AND UTILITY PLAN AND PROFILE RED GATE ROAD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				SCALE: 1"=20'		04-00092-00-BR	KANE	440	128	
				SHEET NO. 4 OF 19 SHEETS		CONTRACT NO. 63650		ILLINOIS FED. AID PROJECT		

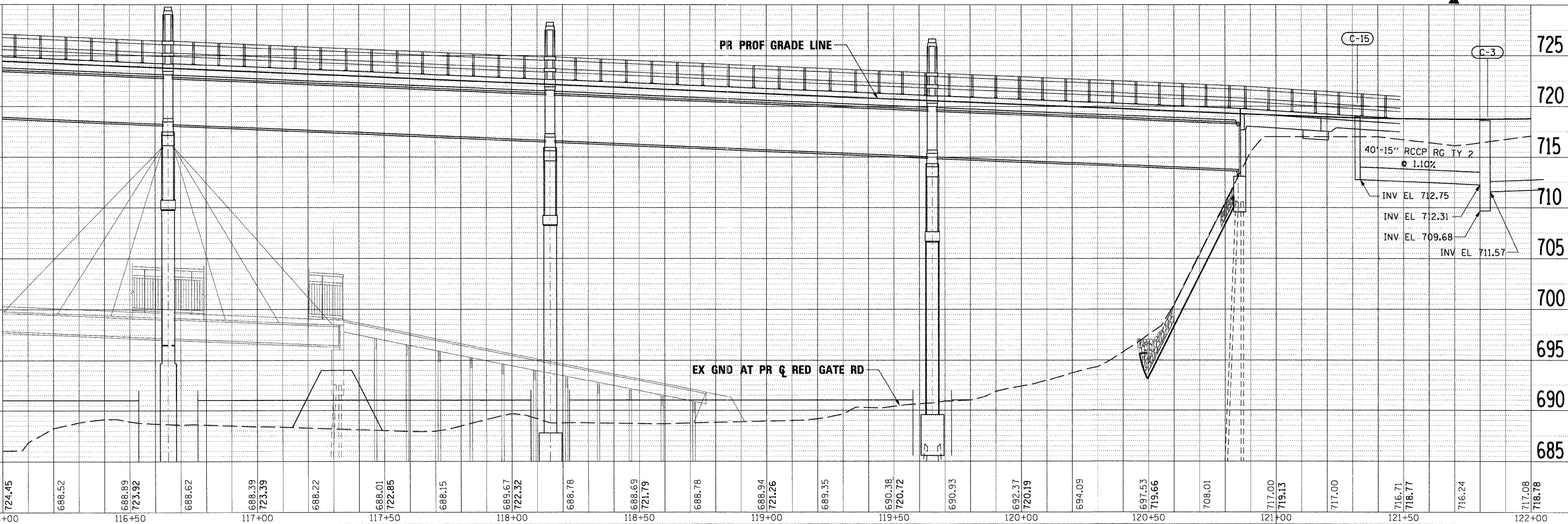
- C-3 17'-15" RCCP RG TY 2 @ 10.00%
- C-4 3'-12" PVC @ 1.00%
- C-5 11'-12" PVC @ 0.50%
- C-6 11'-12" PVC @ 0.50%
- C-7 26'-12" PVC @ 1.00%
- C-8 11'-12" PVC @ 0.50%
- C-9 11'-12" PVC @ 0.50%
- C-13 5'-12" PVC @ 1.00%
- C-14 32'-12" PVC @ 1.00%
- C-15 40'-15" RCCP RG TY 2 @ 1.10%
- C-34 54'-15" RCCP RG TY 2 @ 1.00%



NOTE:
SEE BRIDGE PLANS FOR DECK DRAINAGE DETAILS



*** NOTE:**
SEE STRUCTURAL PLANS FOR CONNECTION DETAIL OF BRIDGE DRAINAGE TO STRUCTURE C-34
ALL 12" STORM SEWER SHALL BE PVC (WATER MAIN REQUIREMENTS)



DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
DATE	

DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
DATE	

PLOT SCALE: 1/2" = 10' (LOCAL) / 1/4" = 10' (STATE) / 1/8" = 10' (FEDERAL)
 PLOT DATE: 11/29/2011

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PLOT DATE = 11/29/2011	DATE = 10/23/2011	REVISED -



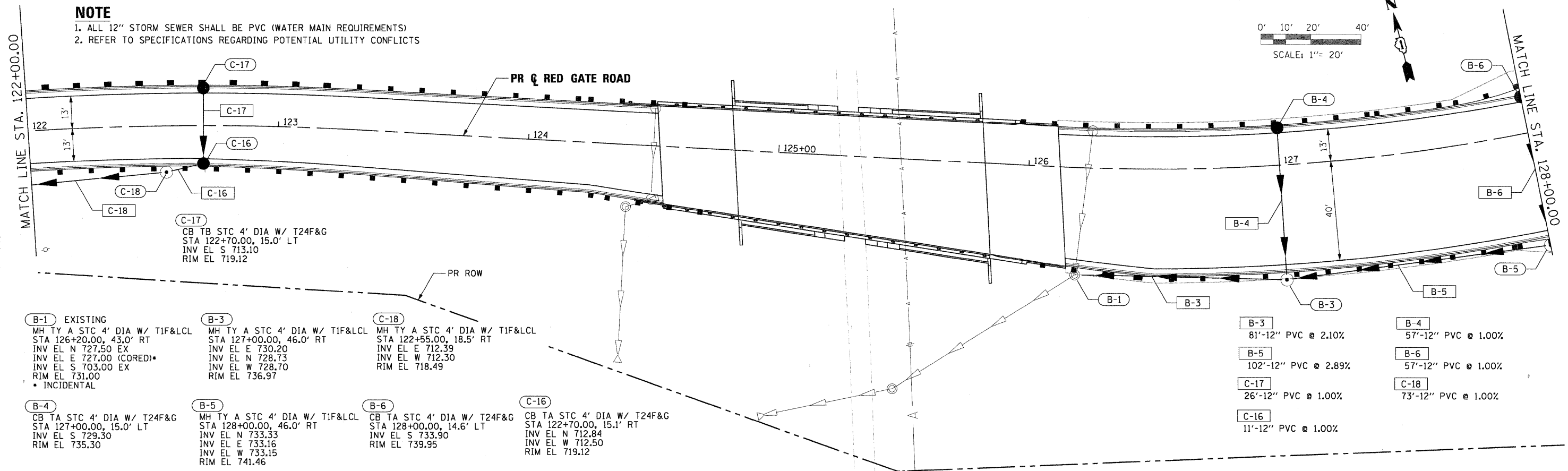
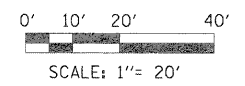
CITY OF ST. CHARLES

DRAINAGE AND UTILITY PLAN AND PROFILE
RED GATE ROAD
SCALE: 1"=20' SHEET NO. 5 OF 19 SHEETS STA. 116+00.00 TO STA. 122+00.00

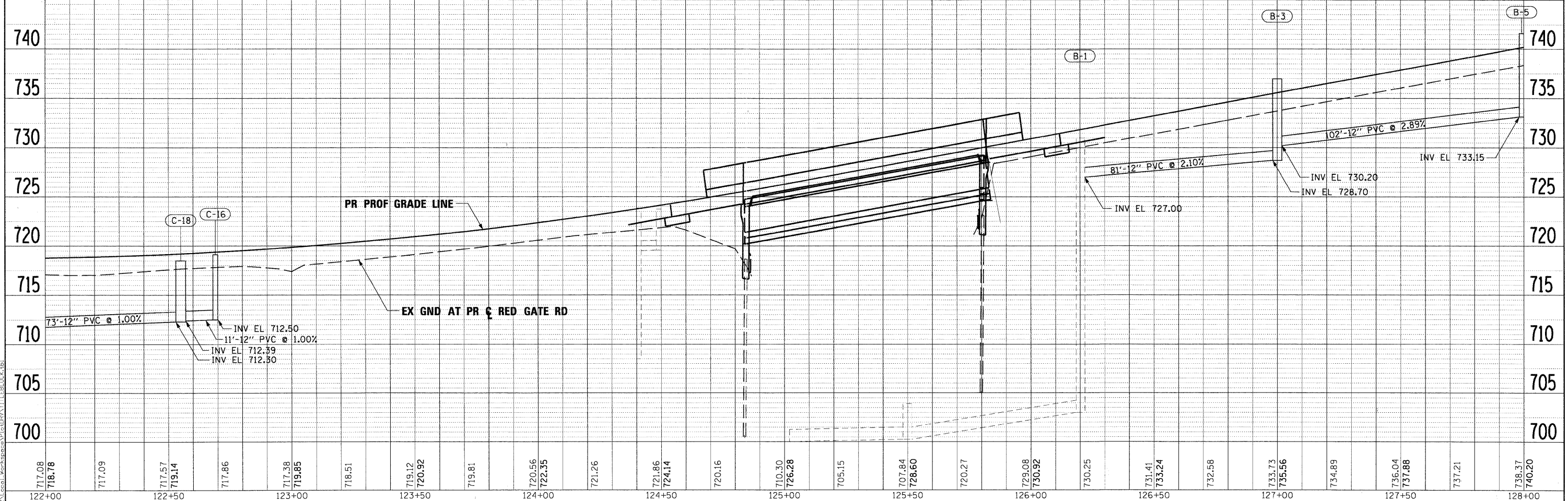
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	129
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

NOTE

1. ALL 12" STORM SEWER SHALL BE PVC (WATER MAIN REQUIREMENTS)
2. REFER TO SPECIFICATIONS REGARDING POTENTIAL UTILITY CONFLICTS



- B-1** EXISTING
MH TY A STC 4' DIA W/ TIF&LCL
STA 126+20.00, 43.0' RT
INV EL N 727.50 EX
INV EL E 727.00 (CORED)
INV EL S 703.00 EX
RIM EL 731.00
• INCIDENTAL
- B-3**
MH TY A STC 4' DIA W/ TIF&LCL
STA 127+00.00, 46.0' RT
INV EL E 730.20
INV EL N 728.73
INV EL W 728.70
RIM EL 736.97
- C-18**
MH TY A STC 4' DIA W/ TIF&LCL
STA 122+55.00, 18.5' RT
INV EL E 712.39
INV EL N 712.30
RIM EL 718.49
- B-4**
CB TA STC 4' DIA W/ T24F&G
STA 127+00.00, 15.0' LT
INV EL S 729.30
RIM EL 735.30
- B-5**
MH TY A STC 4' DIA W/ TIF&LCL
STA 128+00.00, 46.0' RT
INV EL N 733.33
INV EL E 733.16
INV EL W 733.15
RIM EL 741.46
- B-6**
CB TA STC 4' DIA W/ T24F&G
STA 128+00.00, 14.6' LT
INV EL S 733.90
RIM EL 739.95
- C-16**
CB TA STC 4' DIA W/ T24F&G
STA 122+70.00, 15.1' RT
INV EL N 712.84
INV EL W 712.50
RIM EL 719.12
- B-3**
81'-12" PVC @ 2.10%
- B-5**
102'-12" PVC @ 2.89%
- C-17**
26'-12" PVC @ 1.00%
- C-16**
11'-12" PVC @ 1.00%
- B-4**
57'-12" PVC @ 1.00%
- B-6**
57'-12" PVC @ 1.00%
- C-18**
73'-12" PVC @ 1.00%



122+00	122+50	123+00	123+50	124+00	124+50	125+00	125+50	126+00	126+50	127+00	127+50	128+00																									
717.08	718.78	717.09	717.57	719.14	717.86	717.38	719.85	718.51	719.12	720.92	719.81	720.56	722.35	721.26	721.86	724.14	720.16	710.30	726.28	705.15	707.84	728.60	720.27	729.08	730.92	730.25	731.41	733.24	732.58	733.73	735.56	734.89	736.04	737.88	737.21	738.37	740.20

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	CHECKED		
	NO. OF MAIN CHECKED		
	NO. OF UTILITY CHECKED		
	NO. OF FILE NAME		

PROFILE	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	CHECKED		
	NO. OF MAIN CHECKED		
	NO. OF UTILITY CHECKED		
	NO. OF FILE NAME		

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 PLOT DATE: 11/29/2011
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 USER NAME: tblank
 PLOT DATE: 11/29/2011

DESIGNED - MAC	REVISED -
DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

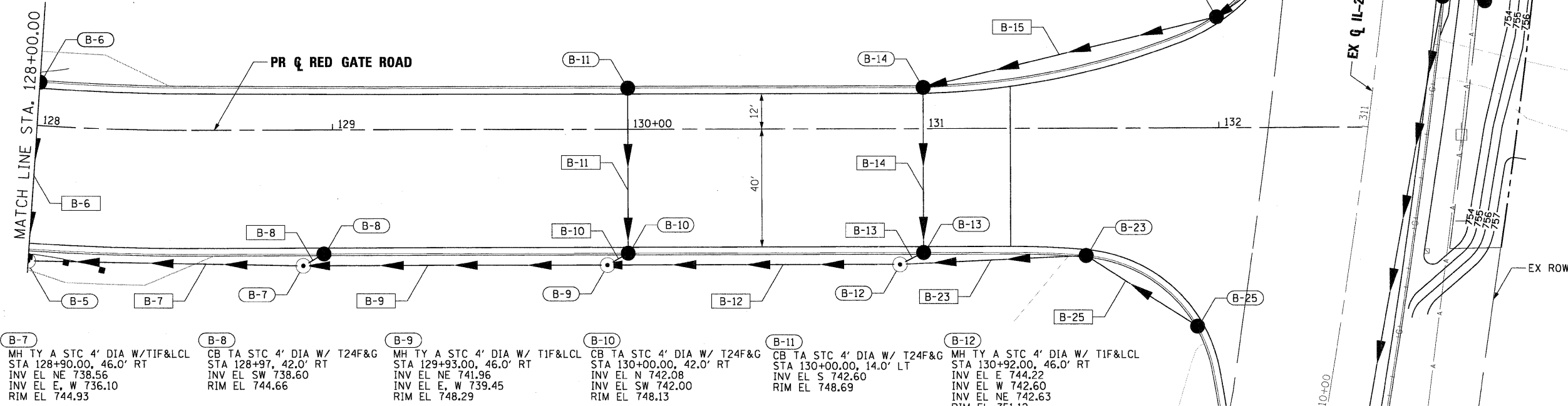
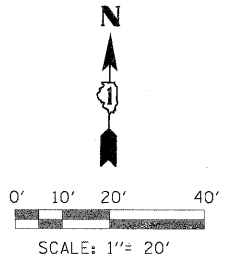
**DRAINAGE AND UTILITY PLAN AND PROFILE
 RED GATE ROAD**

SCALE: 1"=20' SHEET NO. 6 OF 19 SHEETS STA. 122+00.00 TO STA. 128+00.00

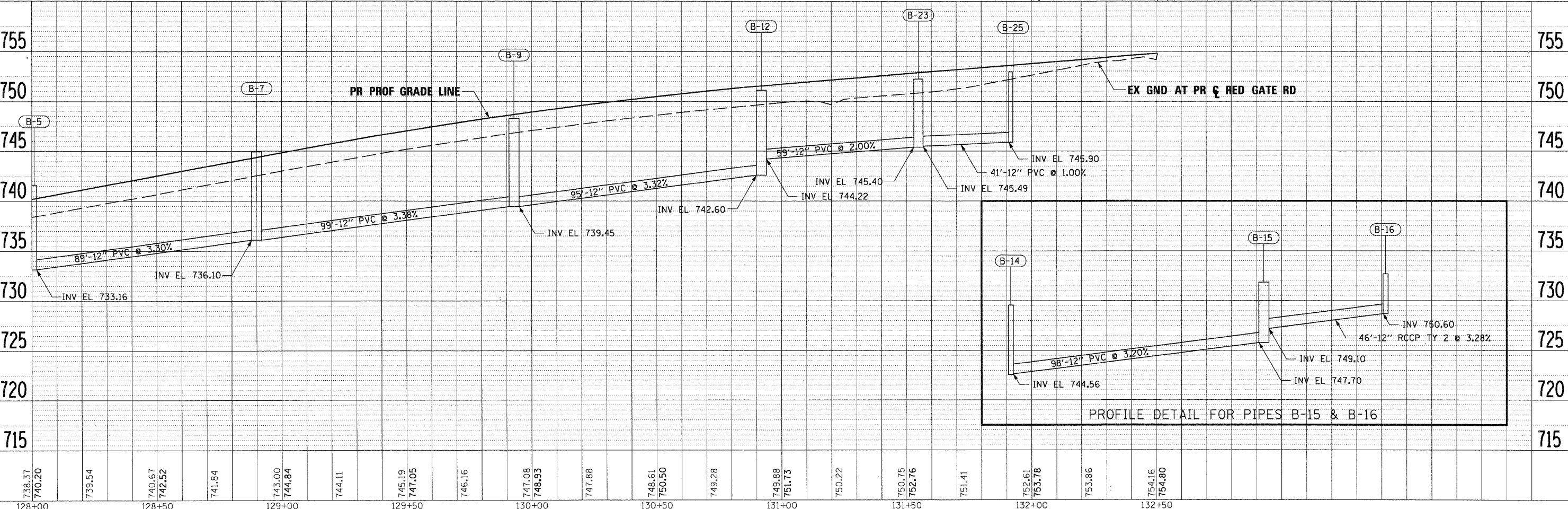
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	130
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

- B-7 89'-12" PVC @ 3.30%
- B-8 4'-12" PVC @ 1.00%
- B-9 99'-12" PVC @ 3.38%
- B-10 4'-12" PVC @ 1.00%
- B-11 52'-12" PVC @ 1.00%
- B-12 95'-12" PVC @ 3.32%
- B-13 5'-12" PVC @ 3.04%
- B-14 52'-12" PVC @ 3.31%
- B-15 98'-12" PVC @ 3.20%
- B-16 46'-12" RCCP TY 2 @ 3.28%
- B-23 59'-12" PVC @ 2.00%
- B-25 41'-12" PVC @ 1.00%

NOTE
 1. ALL 12" STORM SEWER SHALL BE PVC (WATER MAIN REQUIRMENTS)
 2. REFER TO SPECIFICATIONS REGARDING POTENTIAL UTILITY CONFLICTS



- B-5 MH TY A STC 4' DIA W/TIF&LCL STA 128+90.00, 46.0' RT INV EL NE 738.56 INV EL E, W 736.10 RIM EL 744.93
- B-6 CB TA STC 4' DIA W/ T24F&G STA 128+97, 42.0' RT INV EL SW 738.60 RIM EL 744.66
- B-7 MH TY A STC 4' DIA W/ TIF&LCL STA 129+93.00, 46.0' RT INV EL NE 741.96 INV EL E, W 739.45 RIM EL 748.29
- B-8 CB TA STC 4' DIA W/ T24F&G STA 130+00.00, 42.0' RT INV EL N 742.08 INV EL SW 742.00 RIM EL 748.13
- B-9 MH TY A STC 4' DIA W/ TIF&LCL STA 130+00.00, 14.0' LT INV EL S 742.60 RIM EL 748.69
- B-10 CB TA STC 4' DIA W/ T24F&G STA 130+92.00, 46.0' RT INV EL E 744.22 INV EL W 742.60 INV EL NE 742.63 RIM EL 751.12
- B-11 MH TY A STC 4' DIA W/ TIF&LCL STA 131+00.00, 42.0' RT INV EL S 744.56 INV EL SW 744.50 RIM EL 751.50
- B-12 CB TA STC 4' DIA W/ T24F&G STA 311+32.00, 55.4' LT INV EL NE 749.10 INV EL SW 747.70 RIM EL 753.79
- B-13 CB TA 4' DIA W/ T24F&G STA 131+55.00, 43.2' RT INV EL SE 745.49 INV EL W 745.40 RIM EL 752.23
- B-14 CB TA STC 4' DIA W/ T24F&G STA 131+00.00, 14.0' LT INV EL E 744.56 INV EL S 744.50 RIM EL 751.50
- B-15 CB TA 4' DIA W/ T24F&G STA 310+24.36, 47.7' LT INV EL NW 745.90 RIM EL 752.94
- B-16 CB TA 4' DIA W/ T24F&G STA 310+24.36, 47.7' LT INV EL NW 745.90 RIM EL 752.94



FILE NAME =	DESIGNED - MAC	REVISED -		CITY OF ST. CHARLES	DRAINAGE AND UTILITY PLAN AND PROFILE RED GATE ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - TMB	REVISED -	04-00092-00-BR				KANE	440	131		
CHECKED - RMT	REVISED -	CONTRACT NO. 63650								
DATE - 10/23/2011	REVISED -	ILLINOIS FED. AID PROJECT								

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

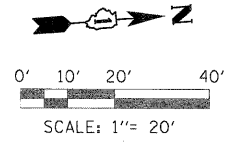
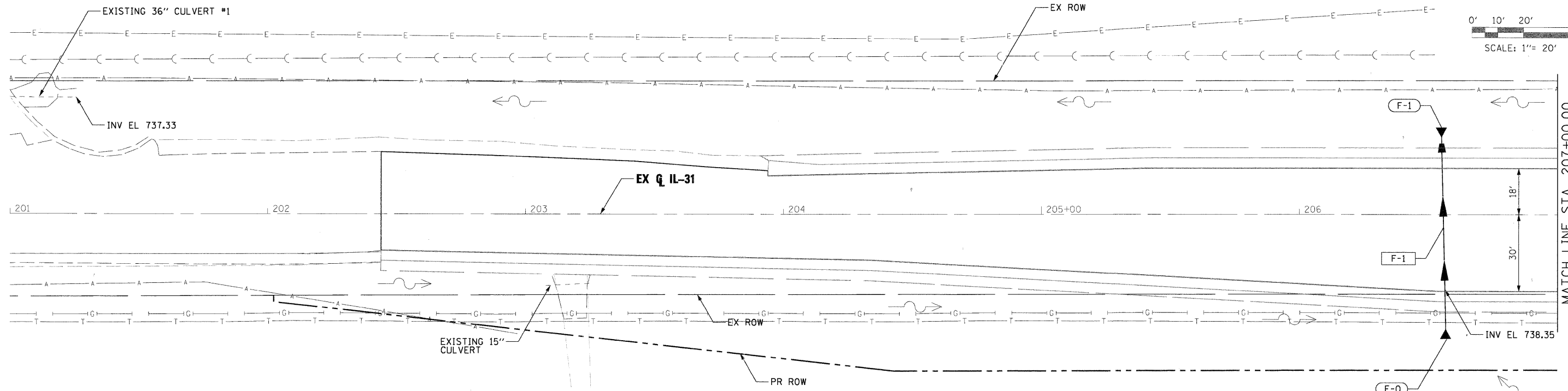
DATE: _____
 BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 E.M. NOTED: _____
 STRUCTURE NOTATIONS CIPED: _____
 NO. _____

PLOT SCALE: 1/2"= 10'
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	ALIGNED	
	NOTED	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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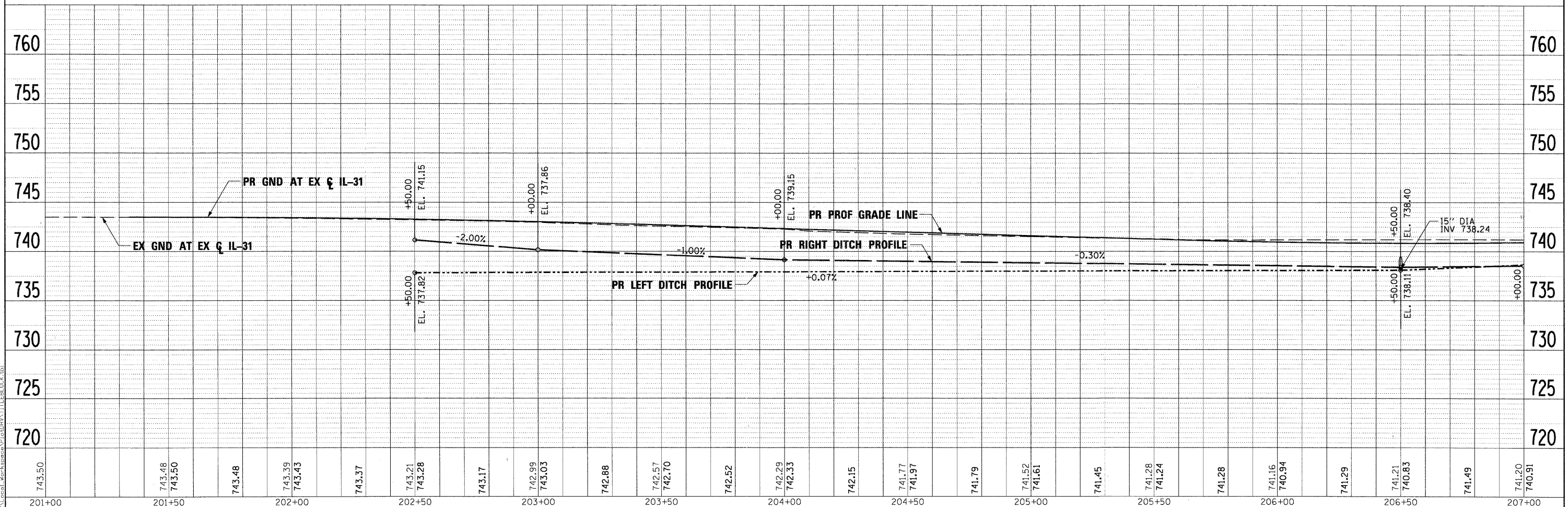
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 PLOT DATE: 11/29/2011



NOTE

REFER TO SPECIFICATIONS REGARDING POTENTIAL UTILITY CONFLICTS

- F-1 70'-15" RCCP TY 1 @ 0.34%
- F-1 15" FES STA 206+55.81, 33.9' LT INV EL E 738.11
- F-0 15" FES STA 206+55.81, 29.5' RT INV EL W 738.35



743.50	743.48	743.50	743.48	743.39	743.43	743.37	743.21	743.28	743.17	742.99	743.03	742.88	742.57	742.70	742.52	742.29	742.33	742.15	741.77	741.97	741.79	741.52	741.61	741.45	741.28	741.24	741.28	741.16	740.94	741.29	741.21	740.83	741.49	741.20	740.91		
201+00	201+50	202+00	202+50	203+00	203+50	204+00	204+50	205+00	205+50	206+00	206+50	207+00																									

FILE NAME =	DESIGNED - MAC	REVISED -
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PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

DRAINAGE AND UTILITY PLAN AND PROFILE
IL 31

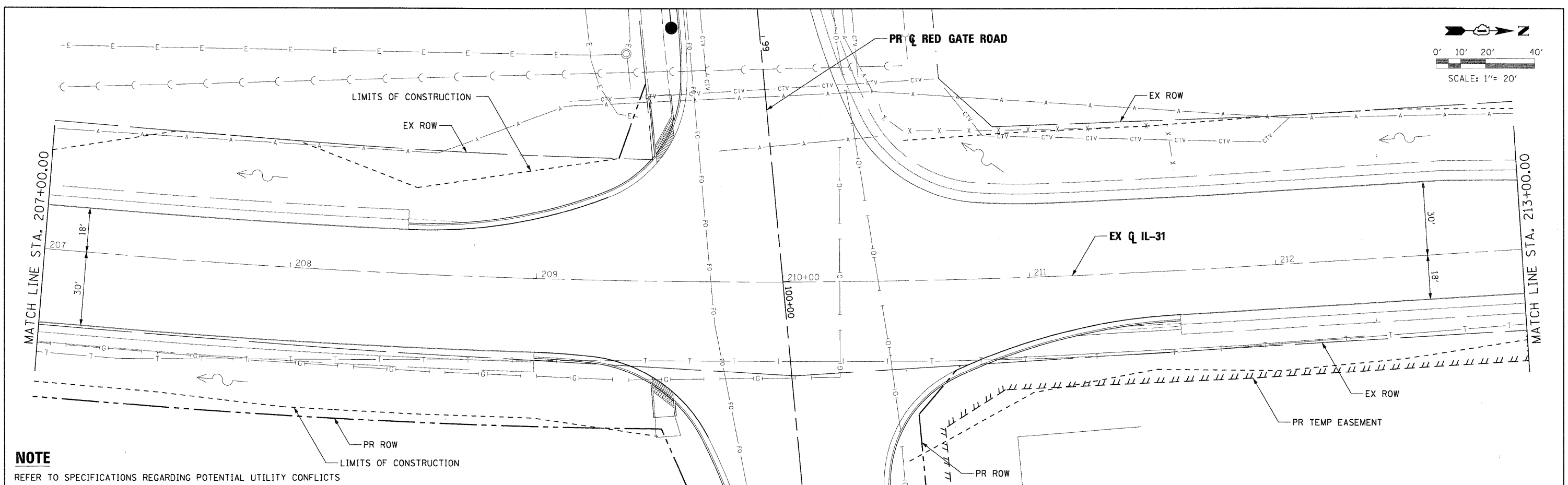
SCALE: 1"=20' SHEET NO. 8 OF 19 SHEETS STA. BOP TO STA. 207+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	132
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

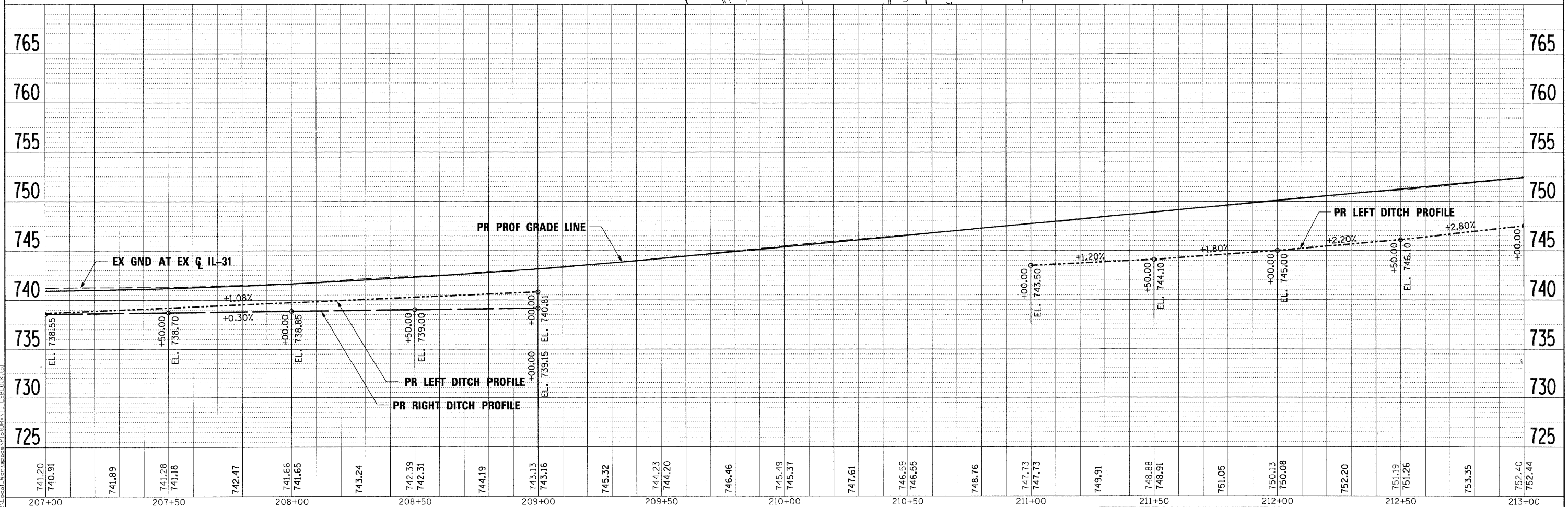
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	ALIGNED	
	NOTED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES	
	NOTED	
	BY	
	NO.	

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NOTE
REFER TO SPECIFICATIONS REGARDING POTENTIAL UTILITY CONFLICTS



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PLOT DATE = 11/29/2011	DATE = 10/23/2011	REVISED -

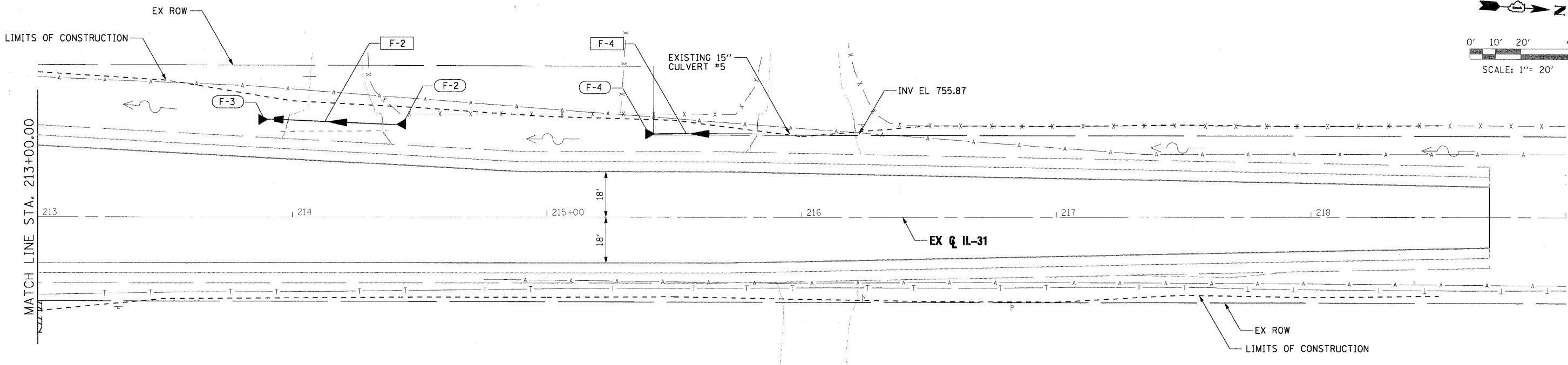
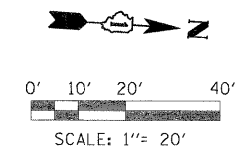


CITY OF ST. CHARLES

DRAINAGE AND UTILITY PLAN AND PROFILE
IL 31

SCALE: 1"=20' SHEET NO. 9 OF 19 SHEETS STA. 207+00.00 TO STA. 213+00.00

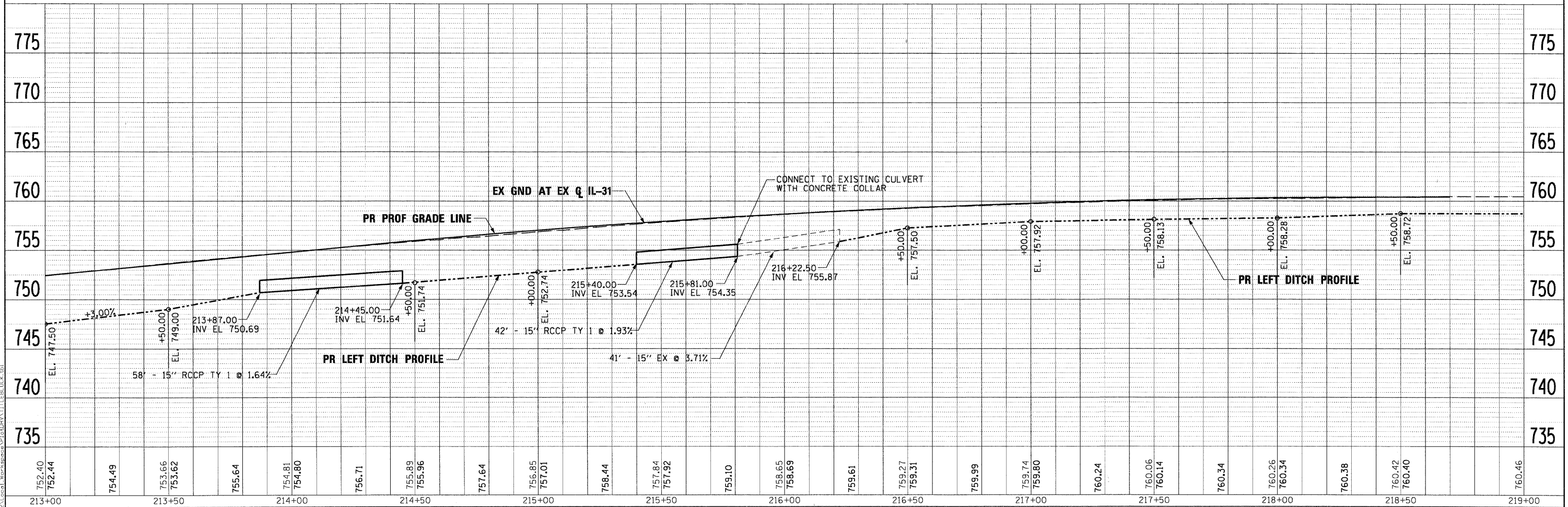
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	133
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	



- F-2 15" FES STA 214+45.00, 37.0' LT INV EL S 751.64
- F-3 15" FES STA 213+87.00, 39.0' LT INV EL N 750.69
- F-2 58' - 15" RCCP TY 1 @ 1.64%
- F-4 15" FES STA 215+40.00, 39.0' LT INV EL S 753.54
- F-4 42' - 15" RCCP TY 1 @ 1.93%

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

PROFILE	SURVEYED	BY	DATE
	NOTED		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHKD		



PLOT SCALE: 1/2"= 10'
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 PLOT DATE: 11/29/2011

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PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

DRAINAGE AND UTILITY PLAN AND PROFILE
IL 31

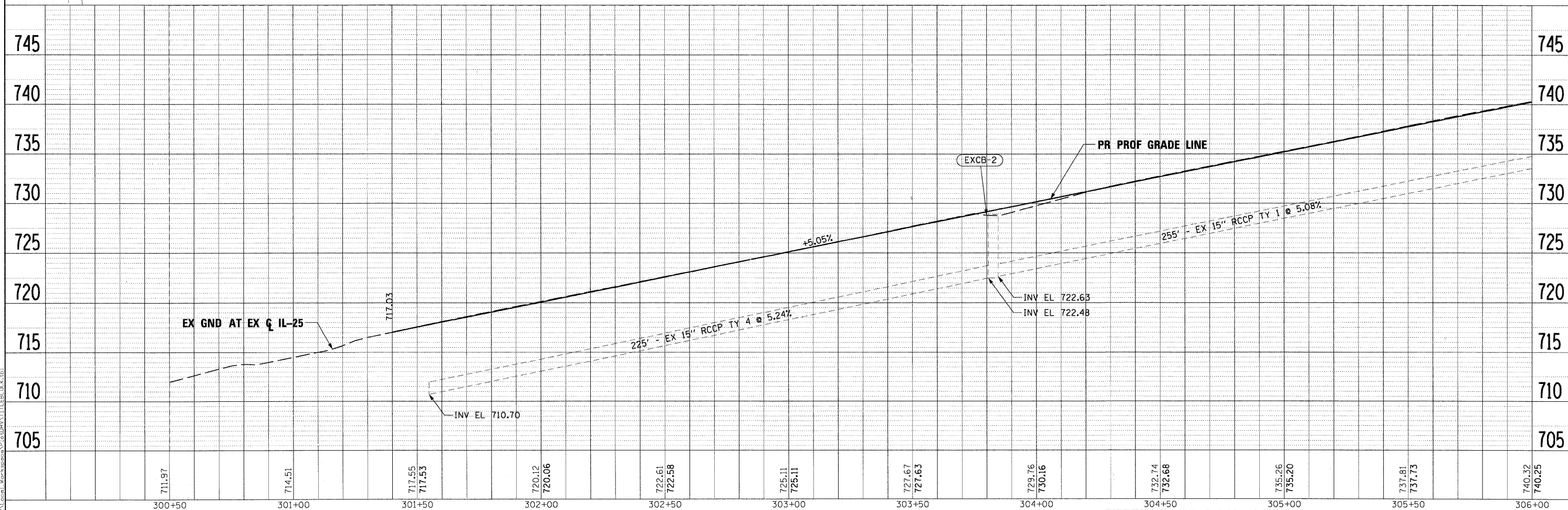
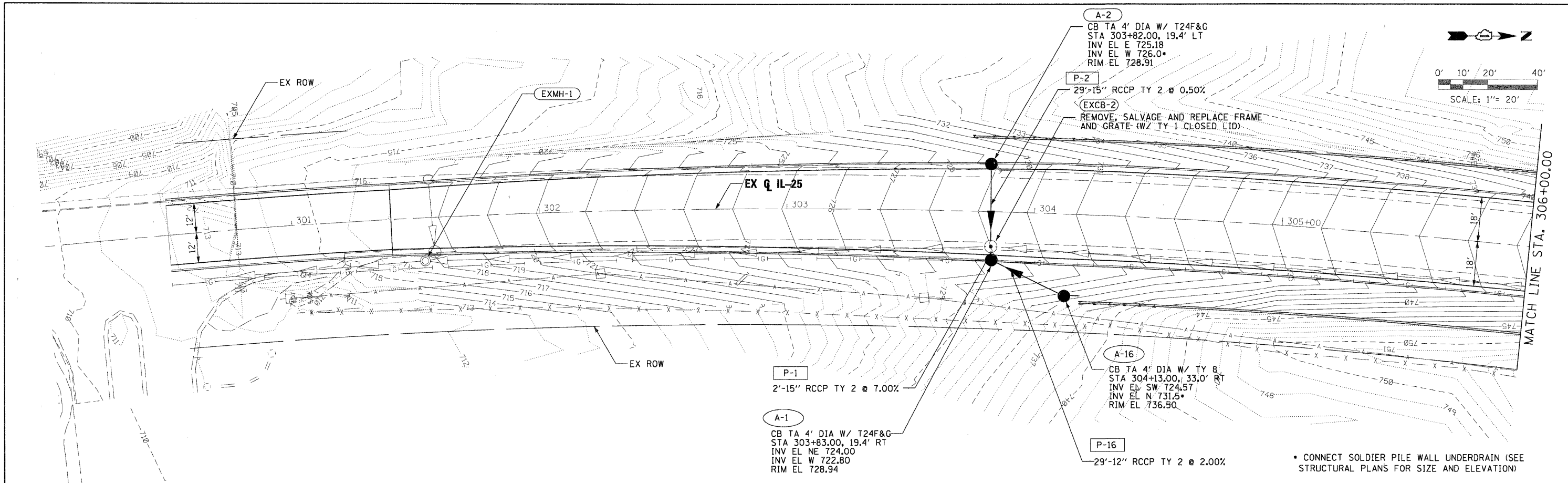
SCALE: 1"=20' SHEET NO. 10 OF 19 SHEETS STA. 213+00.00 TO STA. EOP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	134
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
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	ADD. FILE NAME		

PROFILE	SURVEYED	BY	DATE
	CHECKED		
	NO. OF WAYS CHECKED		
	STRUCTURE NOTATIONS CHKD		

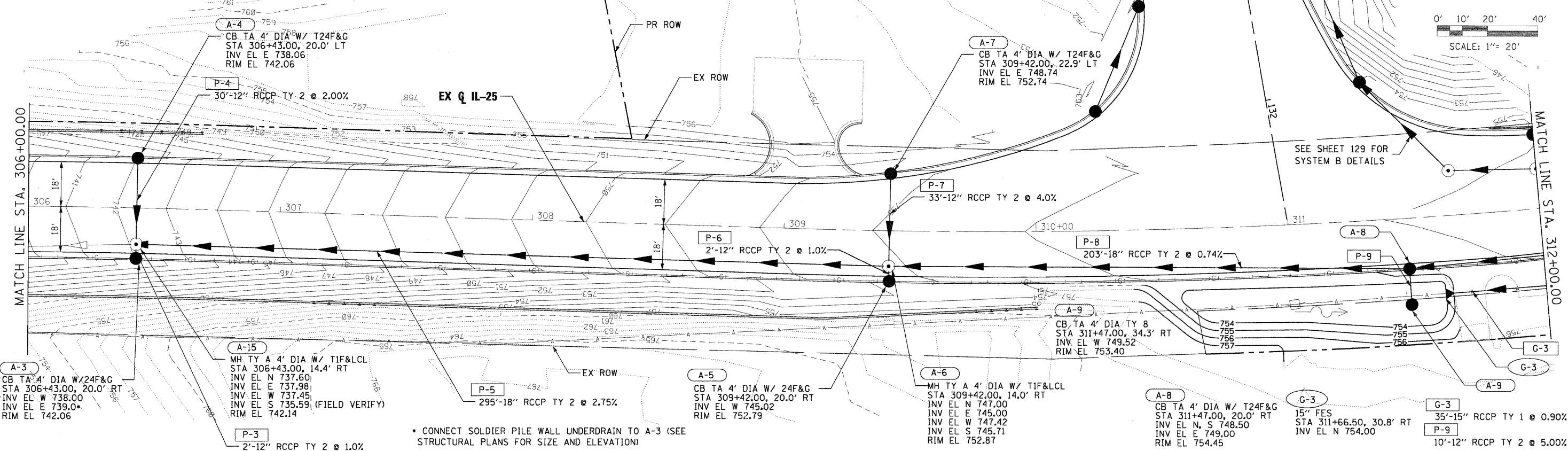
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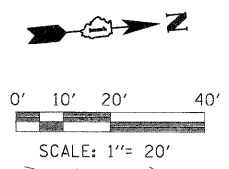
FILE NAME =	DESIGNED - MAC	REVISED -	 CITY OF ST. CHARLES	DRAINAGE AND UTILITY PLAN AND PROFILE IL 25			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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USER NAME = tblank	CHECKED - RMT	REVISED -		SCALE: 1"=20' SHEET NO. 11 OF 19 SHEETS STA. BOP TO STA. 306+00.00			CONTRACT NO. 63650				
PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -					ILLINOIS FED. AID PROJECT				

NOTE

REFER TO SPECIFICATIONS REGARDING POTENTIAL UTILITY CONFLICTS



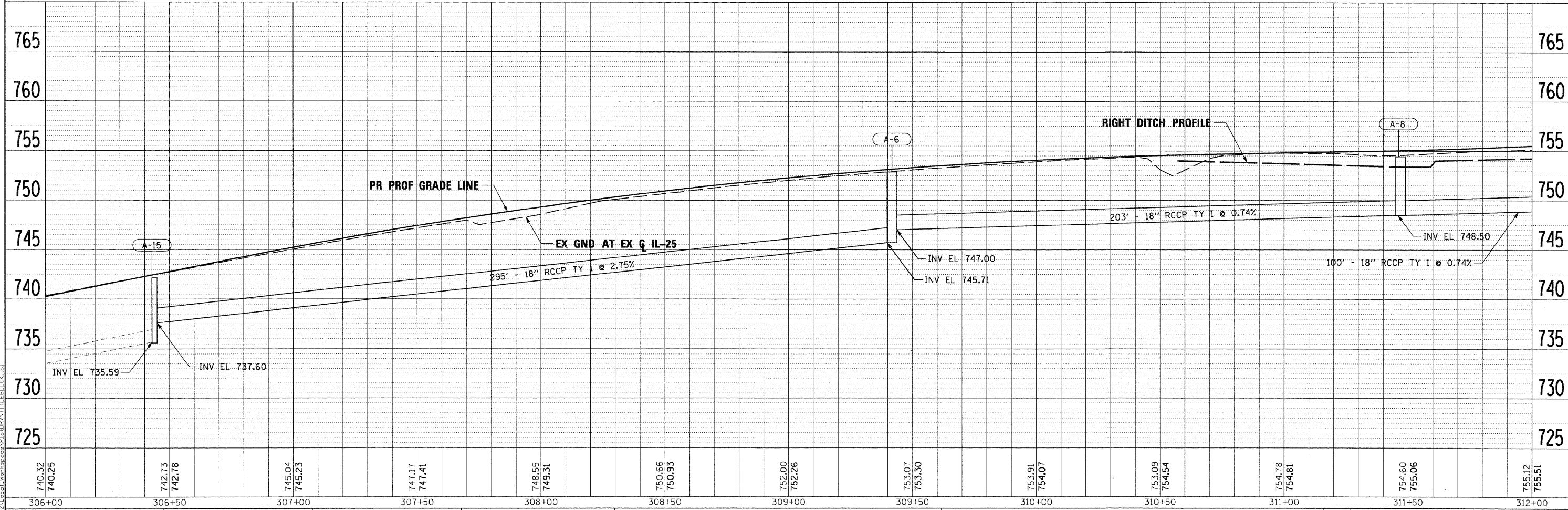
CONNECT SOLDIER PILE WALL UNDERDRAIN TO A-3 (SEE STRUCTURAL PLANS FOR SIZE AND ELEVATION)



DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
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DATE	BY
DATE	BY

PLOT SCALE: 1"=20'
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DESIGNED - MAC	REVISED -
DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

**DRAINAGE AND UTILITY PLAN AND PROFILE
 IL 25**

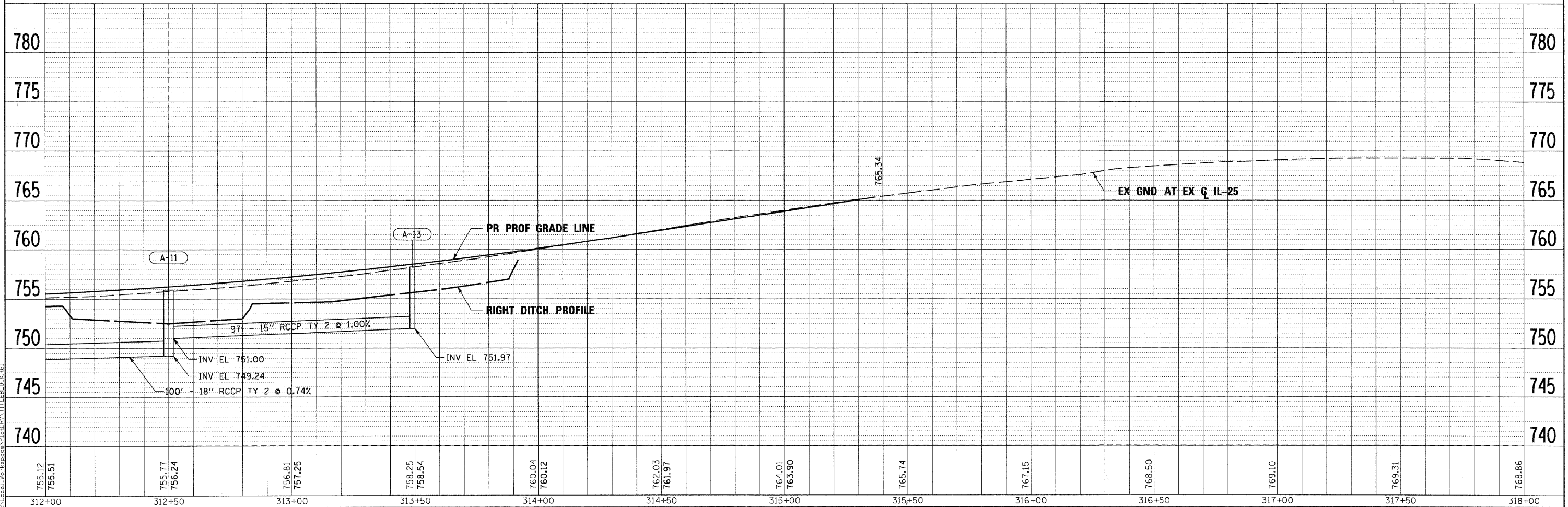
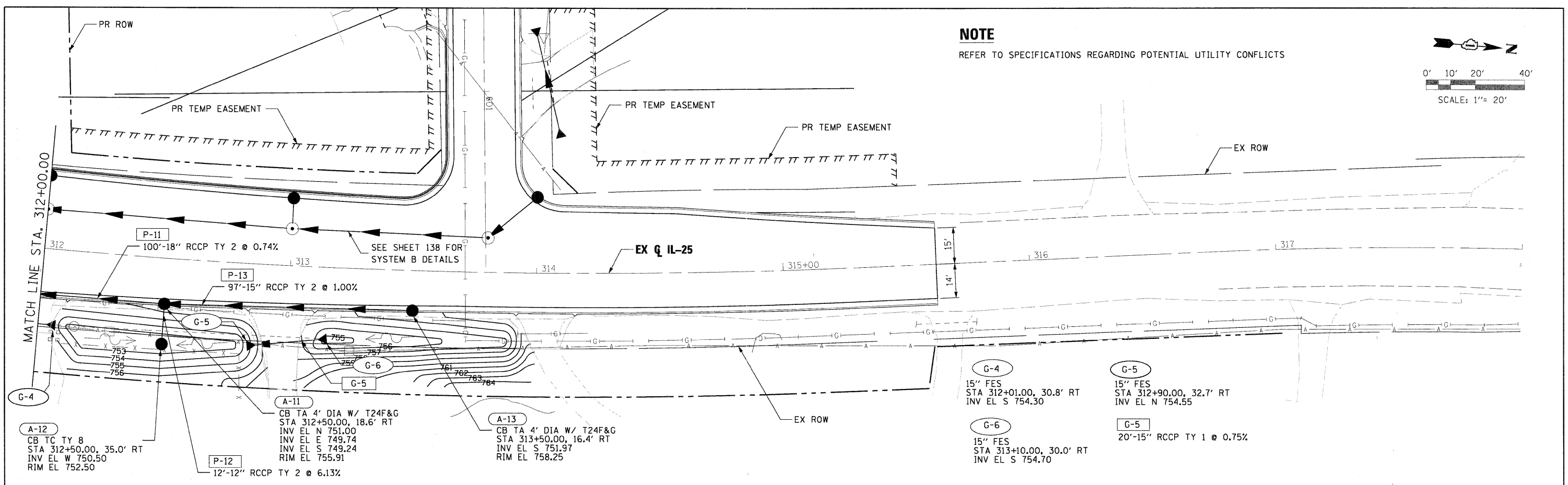
SCALE: 1"=20' SHEET NO. 12 OF 19 SHEETS STA. 306+00.00 TO STA. 312+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	136
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

PLAN
 SURVEYED
 ALIGNED
 CHECKED
 RT. OF WAY
 CHECKED
 NO. _____
 DATE _____

PROFILE
 SURVEYED
 PLOTTED
 CHECKED
 NOTE BOOK
 NO. _____
 DATE _____

PLOT SCALE: 1/2" = 10'
 FILE: C:\Users\jmac\Documents\Projects\1125\1125.dwg
 PLOT DATE: 11/29/2011



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PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -



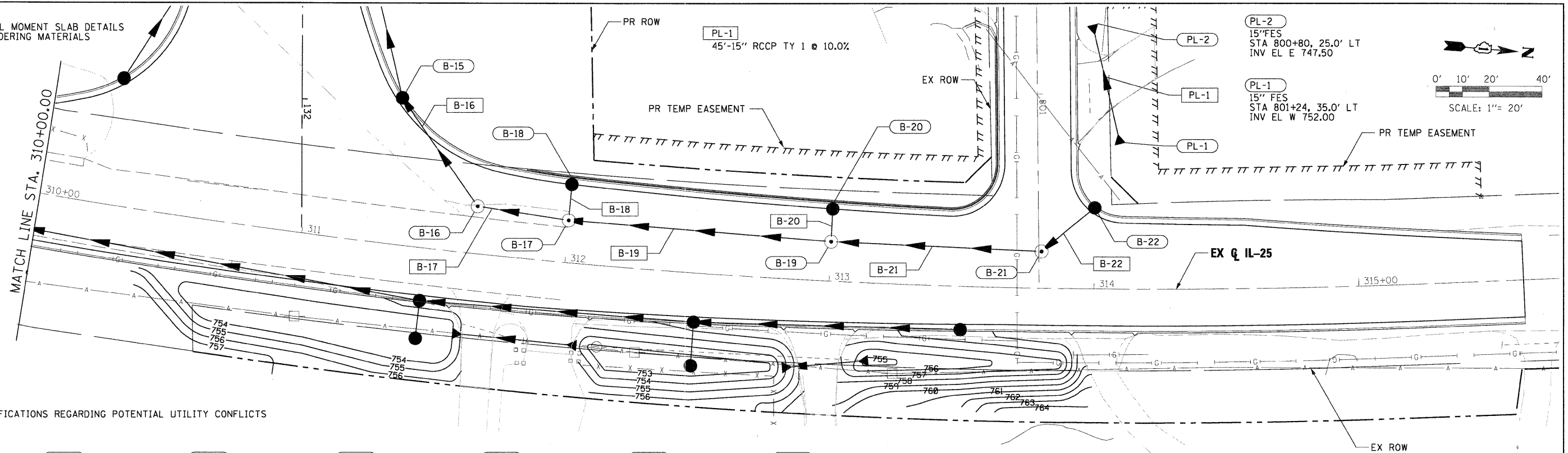
CITY OF ST. CHARLES

DRAINAGE AND UTILITY PLAN AND PROFILE
IL 25

SCALE: 1"=20' SHEET NO. 13 OF 19 SHEETS STA. 312+00.00 TO STA. EOP

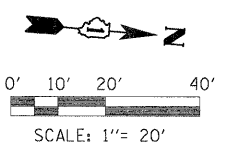
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	137
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

* SEE MSE WALL MOMENT SLAB DETAILS PRIOR TO ORDERING MATERIALS



PL-2
15" FES
STA 800+80, 25.0' LT
INV EL E 747.50

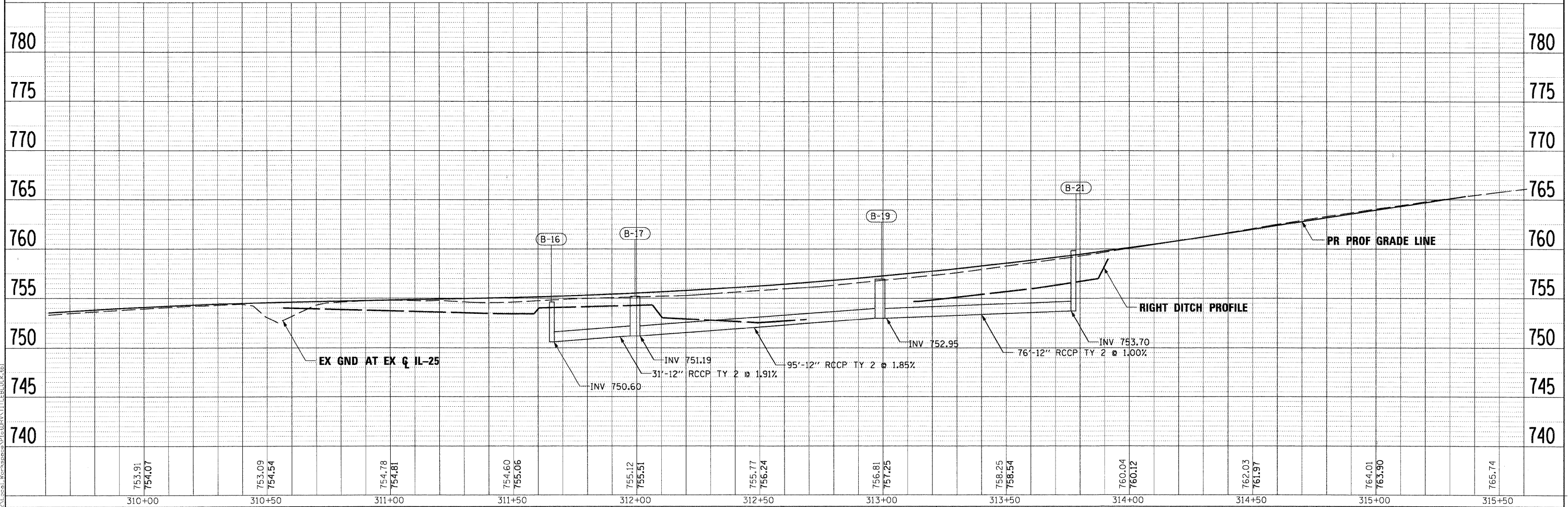
PL-1
15" FES
STA 801+24, 35.0' LT
INV EL W 752.00



NOTE

REFER TO SPECIFICATIONS REGARDING POTENTIAL UTILITY CONFLICTS

- B-16** MH TY A 4'D W/ T1F&LCL STA 311+65.00, 18.0' LT INV EL N, SW 750.60 RIM EL 754.62
- B-17** MH TY A 4'D W/ T1F&LCL STA 312+00.00, 16.0' LT INV EL N, S, W 751.19 RIM EL 755.19
- * **B-18** CB TA 4' DIA W/ T24F&G STA 312+00.00, 29.7' LT INV EL E 751.25 RIM EL 754.92
- B-19** MH TY A 4'D W/ T1F&LCL STA 313+00.00, 15.0' LT INV EL N, W, S 752.95 RIM EL 756.95
- * **B-20** CB TA 4' DIA W/ T24F&G STA 313+00.00, 27.5' LT INV EL E 752.99 RIM EL 756.70
- B-21** MH TY A 4'D W/ T1F&LCL STA 313+80.00, 14.0' LT INV EL NW 755.20 INV EL S 753.70 RIM EL 759.84
- B-22** CB TA 4' DIA W/ T24F&G STA 314+00.00, 30.8' LT INV EL SE 755.50 RIM EL 759.56
- B-16** 46'-12" RCCP TY 2 @ 3.28%
- B-20** 8'-12" RCCP TY 2 @ 0.50%
- B-17** 31'-12" RCCP TY 2 @ 1.91%
- B-21** 76'-12" RCCP TY 2 @ 1.00%
- B-18** 10'-12" RCCP TY 2 @ 0.62%
- B-22** 22'-12" RCCP TY 2 @ 1.36%
- B-19** 95'-12" RCCP TY 2 @ 1.85%



PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PROF.	
	CHECKED	
	BY	
	NO.	

PLOT SCALE: 1"=20' (PLAN) 1"=10' (PROFILE) FILE: IL25.dwg DATE: 11/29/2011

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CHECKED = RMT
DATE = 10/23/2011

DESIGNED - MAC
DRAWN - TMB
CHECKED - RMT
DATE - 10/23/2011

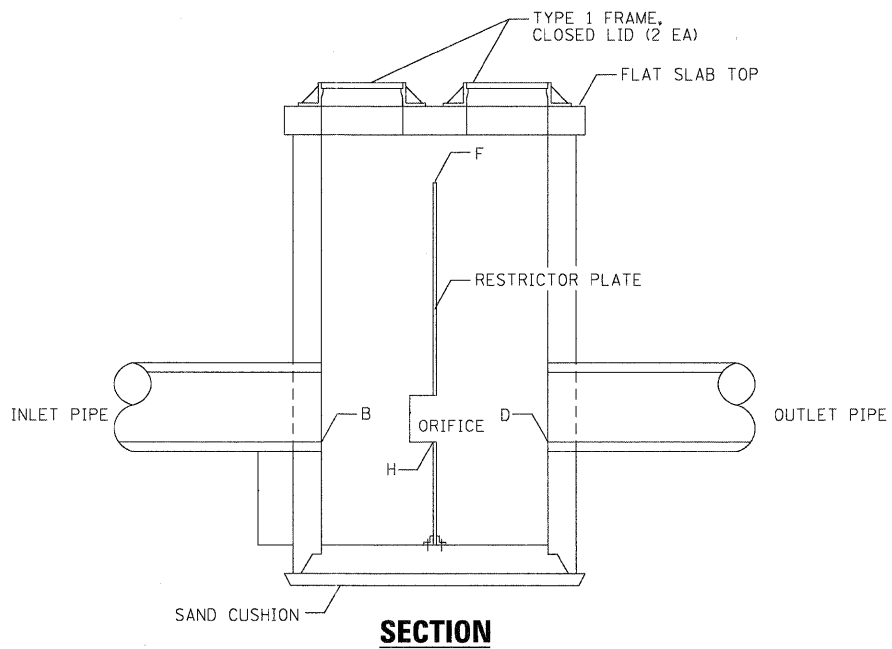
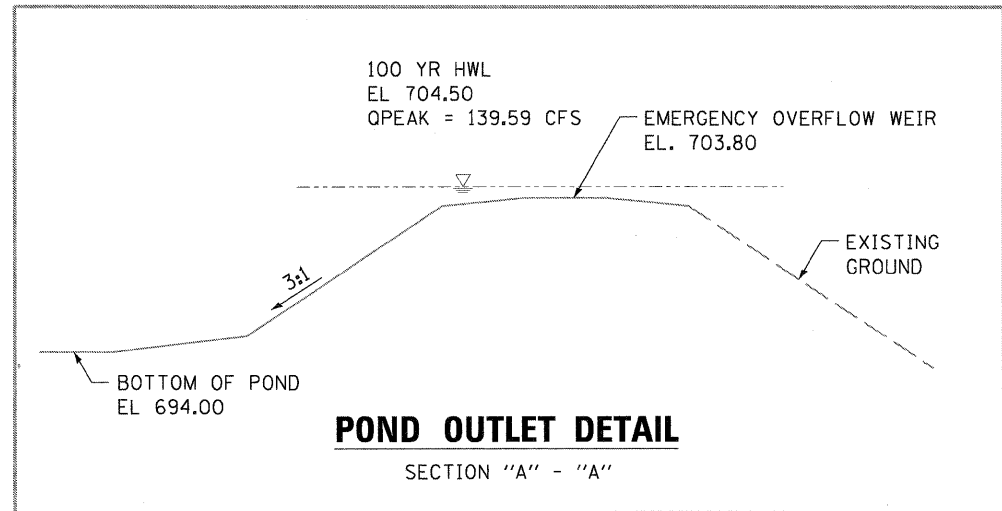


CITY OF ST. CHARLES

**DRAINAGE AND UTILITY PLAN AND PROFILE
IL 25**

SCALE: 1"=20' SHEET NO. 14 OF 19 SHEETS STA. TO STA.

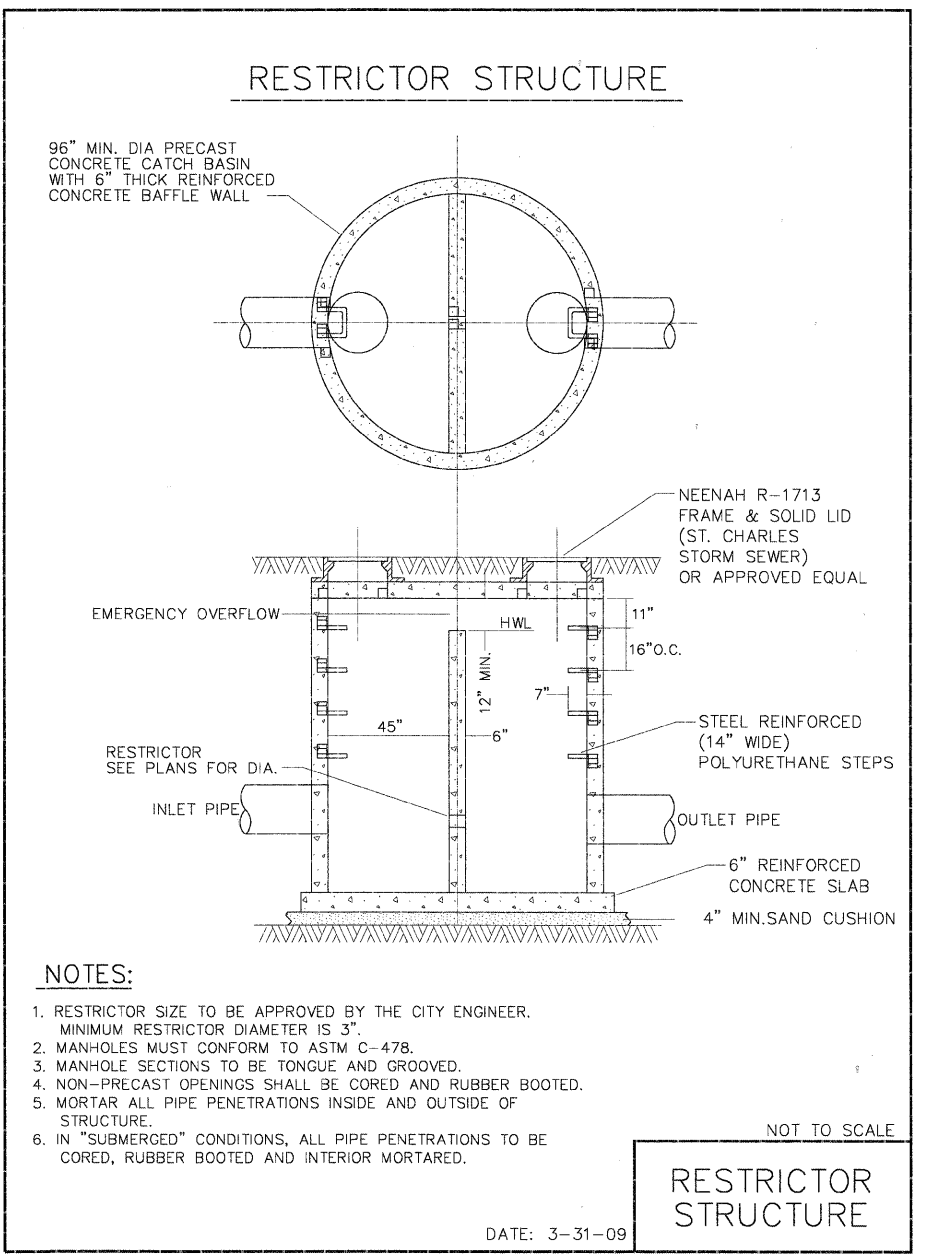
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	138
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



**PROPOSED EAST POND OUTLET STRUCTURE
MANHOLE TYPE 1, 8' DIA., W /RESTRICTOR**

REFER TO RESTRICTOR STRUCTURE DETAIL - THIS SHEET

INLET PIPE		OUTLET PIPE		WEIR		ORIFICE		MANHOLE
DIA. (IN.)	INV. ELEV.	DIA. (IN.)	INV. ELEV.	LENGTH (FT.)	ELEV.	DIA. (IN.)	ELEV.	DIA. (FT.)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
24	693.93	42	693.80	8	703.5	4	700.0	8



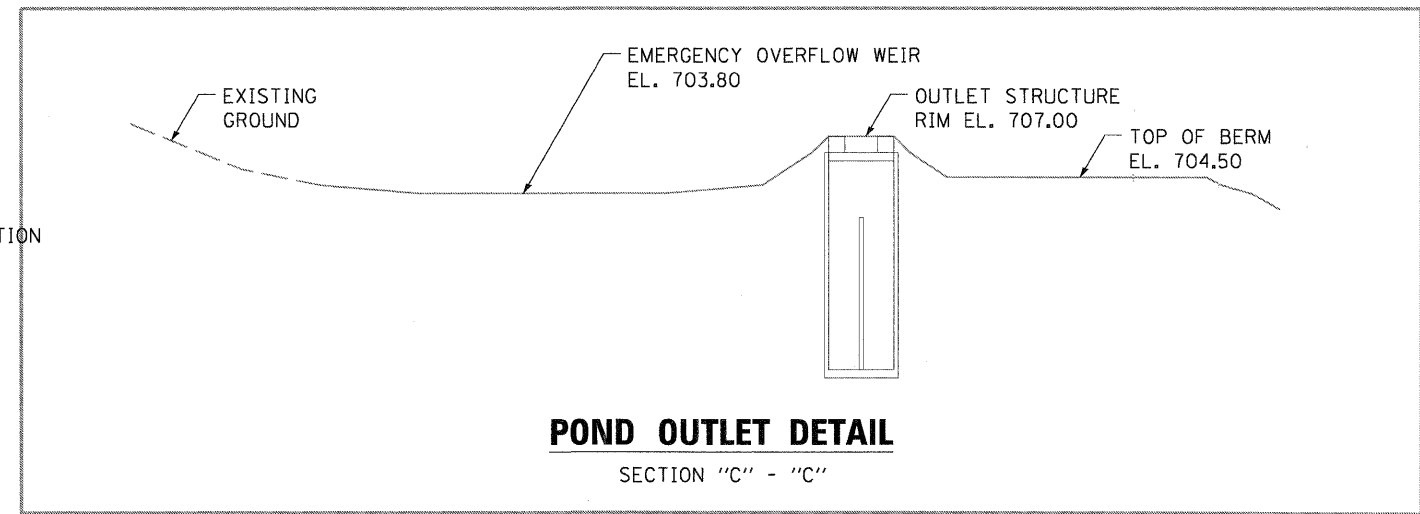
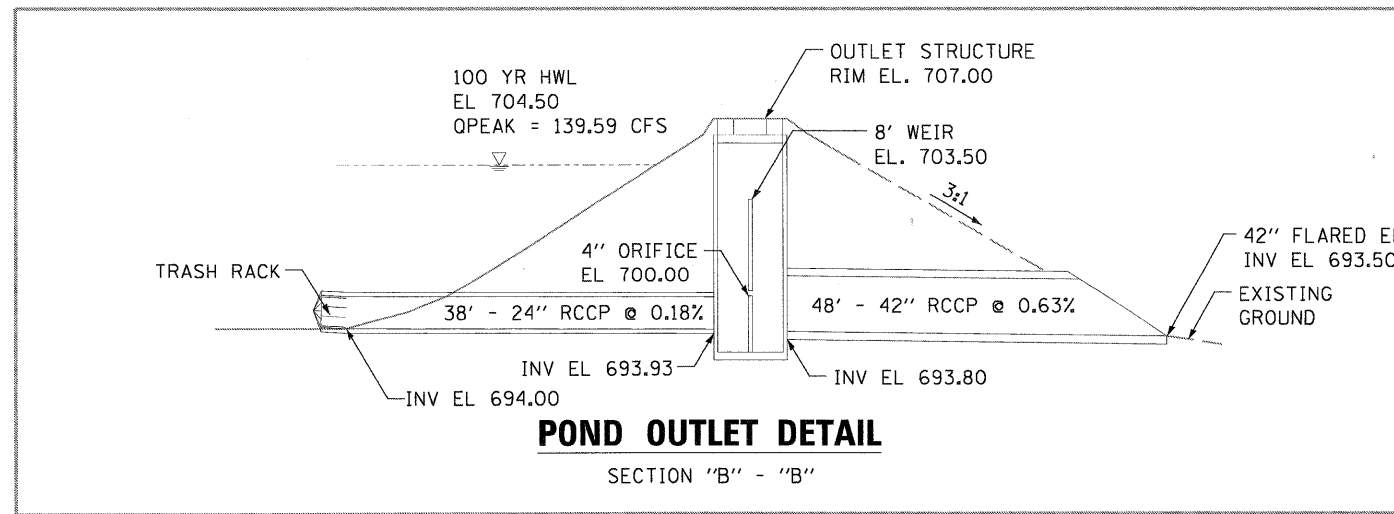
NOTES:

- RESTRICTOR SIZE TO BE APPROVED BY THE CITY ENGINEER. MINIMUM RESTRICTOR DIAMETER IS 3".
- MANHOLES MUST CONFORM TO ASTM C-478.
- MANHOLE SECTIONS TO BE TONGUE AND GROOVED.
- NON-PRECAST OPENINGS SHALL BE CORED AND RUBBER BOOTED.
- MORTAR ALL PIPE PENETRATIONS INSIDE AND OUTSIDE OF STRUCTURE.
- IN "SUBMERGED" CONDITIONS, ALL PIPE PENETRATIONS TO BE CORED, RUBBER BOOTED AND INTERIOR MORTARED.

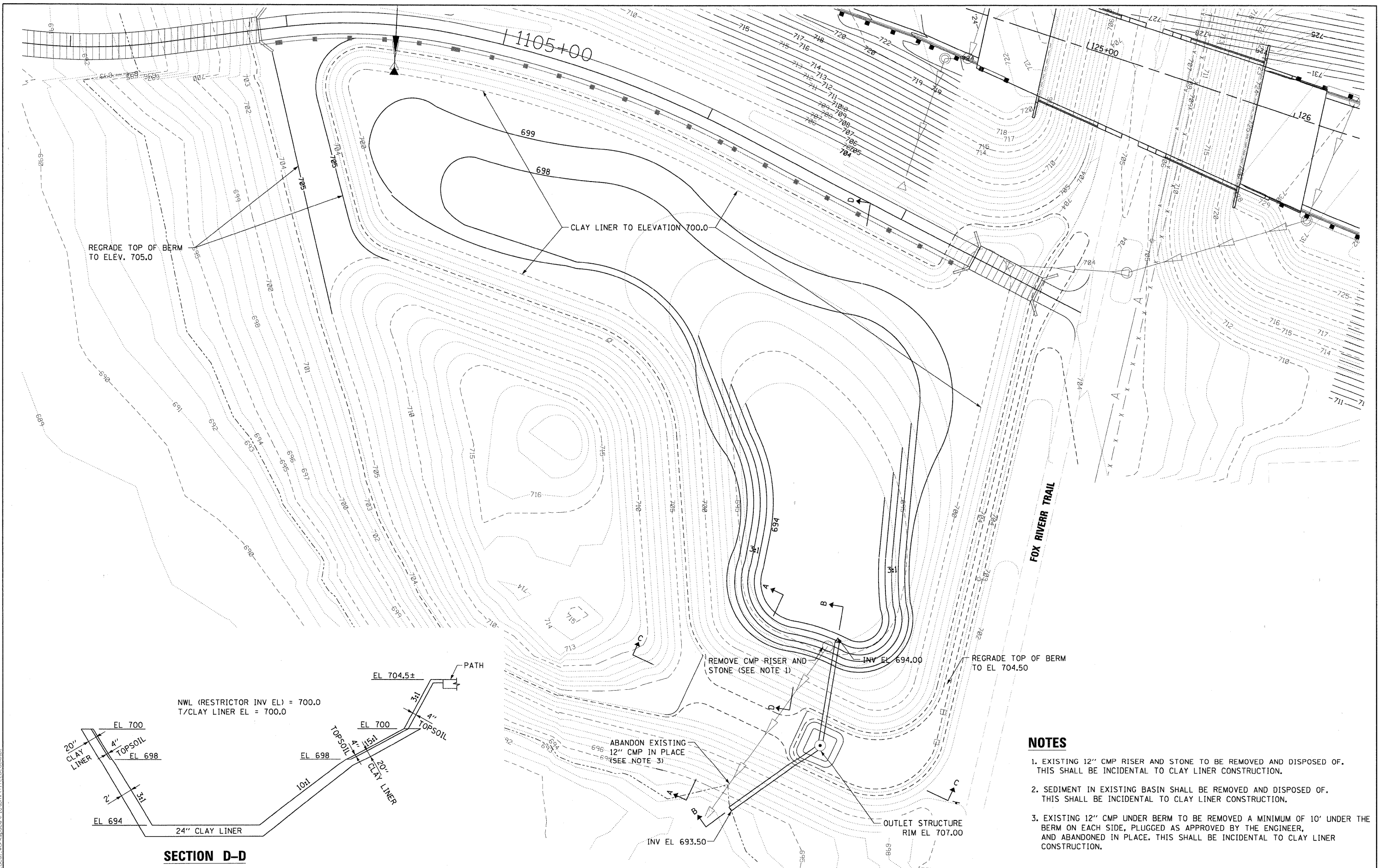
NOT TO SCALE

RESTRICTOR STRUCTURE

DATE: 3-31-09



PLOT DATE = 11/29/2011
 FILE NAME = ...
 USER NAME = tblank
 PLT DATE = 11/29/2011

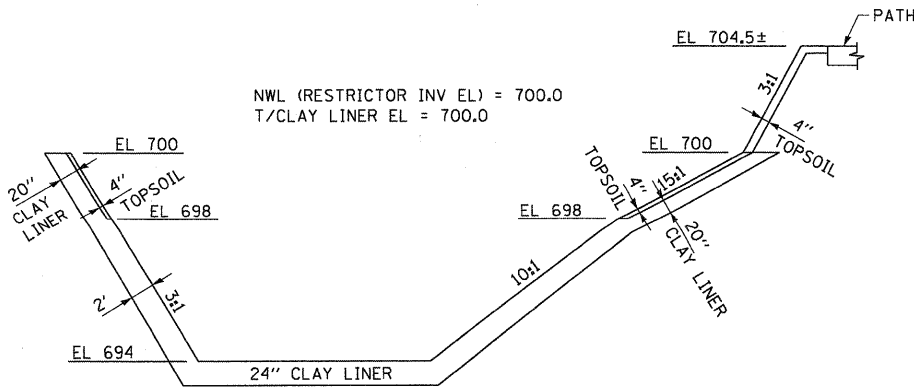


REGRADE TOP OF BERM TO ELEV. 705.0

CLAY LINER TO ELEVATION 700.0

FOX RIVERR TRAIL

NWL (RESTRICTOR INV EL) = 700.0
T/CLAY LINER EL = 700.0



SECTION D-D

NOTES

1. EXISTING 12" CMP RISER AND STONE TO BE REMOVED AND DISPOSED OF. THIS SHALL BE INCIDENTAL TO CLAY LINER CONSTRUCTION.
2. SEDIMENT IN EXISTING BASIN SHALL BE REMOVED AND DISPOSED OF. THIS SHALL BE INCIDENTAL TO CLAY LINER CONSTRUCTION.
3. EXISTING 12" CMP UNDER BERM TO BE REMOVED A MINIMUM OF 10' UNDER THE BERM ON EACH SIDE, PLUGGED AS APPROVED BY THE ENGINEER, AND ABANDONED IN PLACE. THIS SHALL BE INCIDENTAL TO CLAY LINER CONSTRUCTION.

PLOT DATE = 11/29/2011
 USER NAME = tblanc
 ...\\prp1\abc-shd-pond-east-drn.dgn
 FILE NAME =

DESIGNED - MAC	REVISIONS
DRAWN - TMB	REVISIONS
CHECKED - RMT	REVISIONS
DATE - 10/23/2011	REVISIONS



CITY OF ST. CHARLES

DRAINAGE - EAST POND

SCALE: 1"=20' SHEET NO. 18 OF 19 SHEETS STA. TO STA.

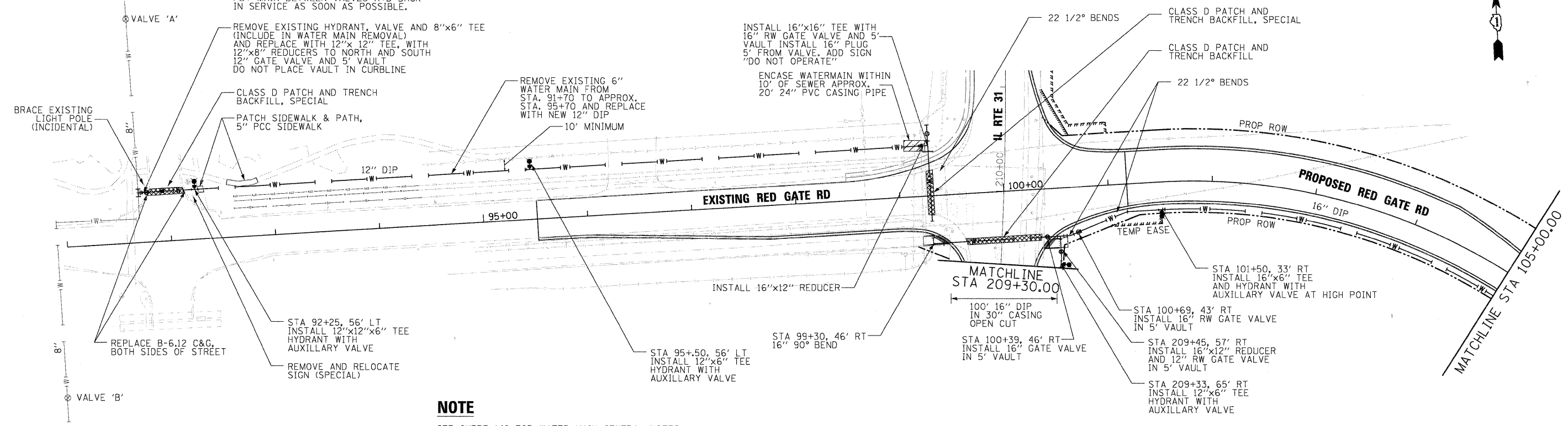
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	142
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED: _____
 ALIGNED: _____
 CHECKED: _____
 PT. OF WAY CHECKED: _____
 DDD FILE NAME: _____

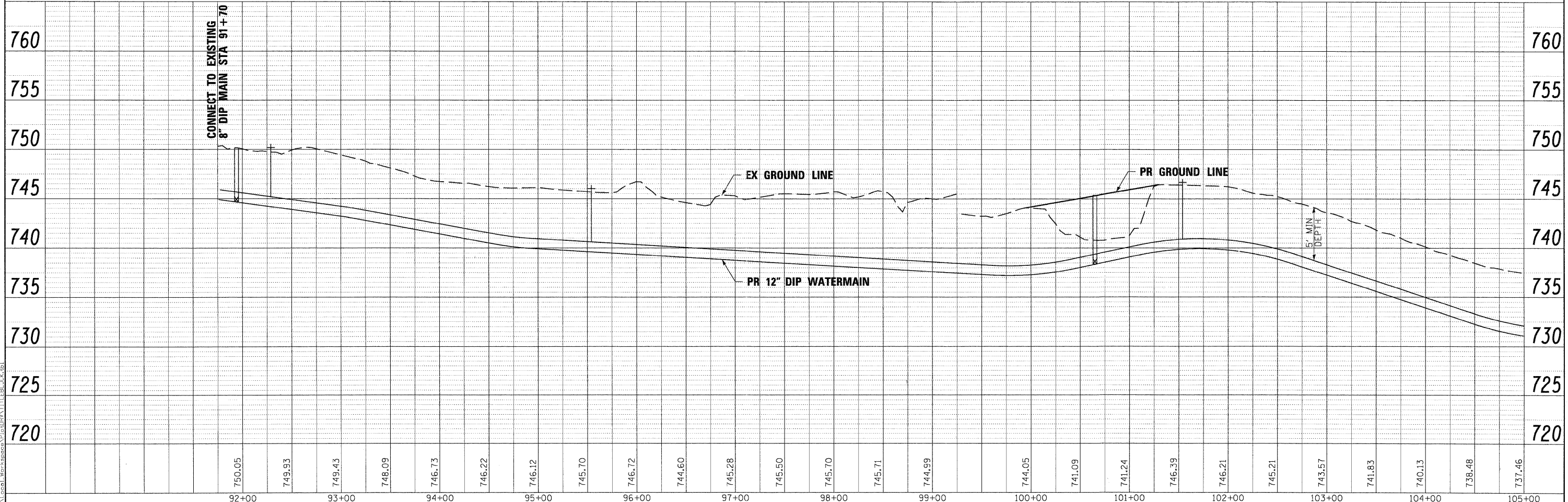
DATE: _____
 BY: _____
 SURVEYED: _____
 CHECKED: _____
 NOTE BOOK NO.: _____
 STRUCTURE NOTATION: CRKD

PLT. SCALE: 1"=50'
 X:\WORKSPACES\1109\1109.dwg
 LOCAL WORKSPACE: C:\Program Files\Autodesk\AutoCAD 2011\AutoCAD.exe
 FILE SIZE: 141 KB

NOTE: CONTRACTOR TO COORDINATE WITH CITY TO CLOSE VALVES A+B. CITY TO OPERATE EXISTING VALVES. CONTRACTOR TO EXPEDITE WORK TO PUT MAIN BETWEEN VALVES A+B BACK IN SERVICE AS SOON AS POSSIBLE.

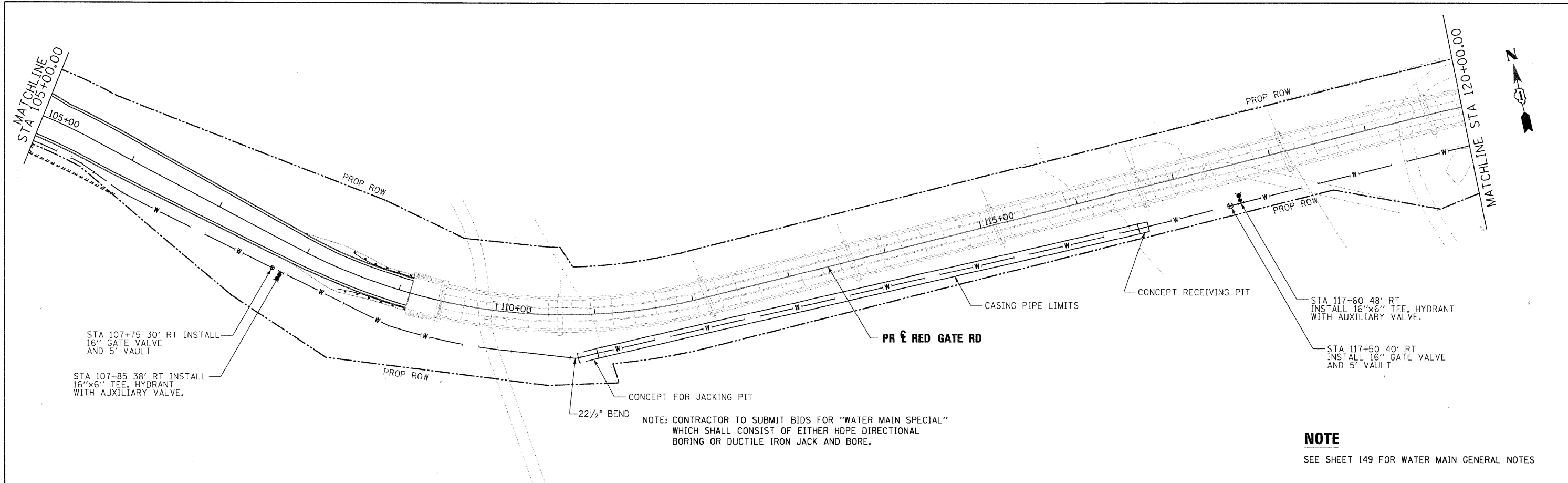


NOTE
 SEE SHEET 149 FOR WATER MAIN GENERAL NOTES



FILE NAME =	DESIGNED - MAC	REVISED -	 CITY OF ST. CHARLES	WATER MAIN PLAN & PROFILE RED GATE ROAD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...RedGate_50WM_PP_1.dgn	DRAWN - TMB	REVISED -							04-00092-00-BR	KANE	440	144
USER NAME = tblank	CHECKED - RMT	REVISED -		SCALE: 1"=50" SHEET NO. 1 OF 10 SHEETS STA. TO STA.				CONTRACT NO. 63650				
PLOT DATE = 11/29/2011	DATE - 10/23/2011	REVISED -		ILLINOIS FED. AID PROJECT								

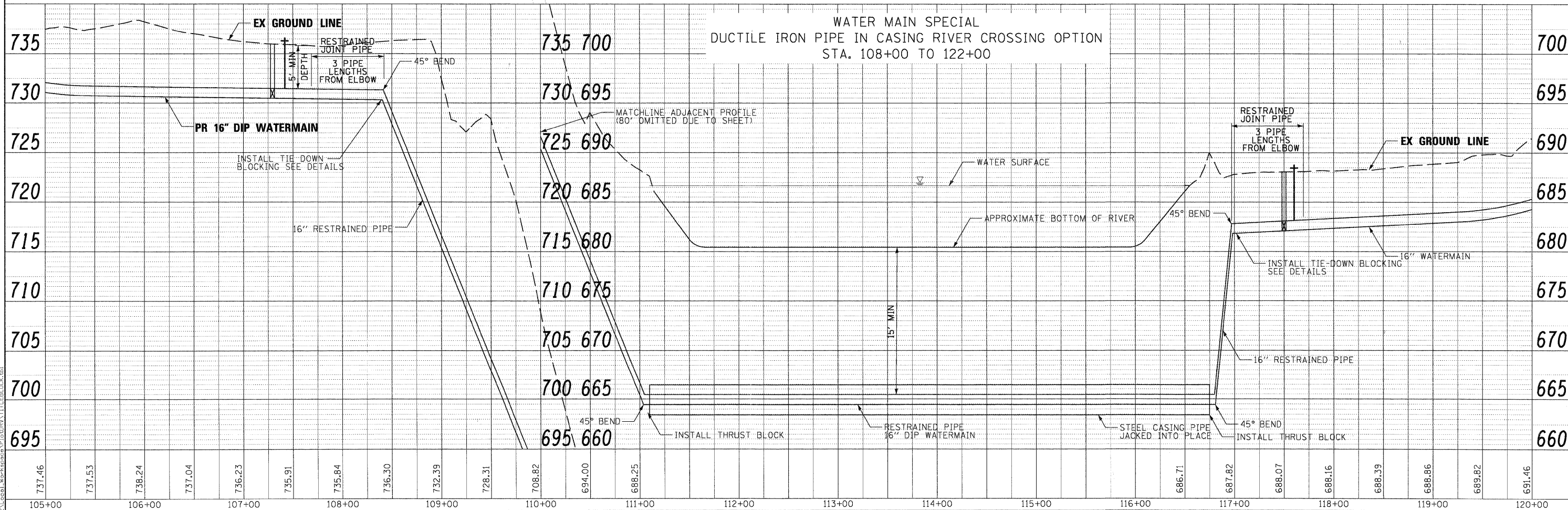
DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
RT. OF WAY CHECKED	
NO. CAD FILE NAME	
PLAN	
NO.	



NOTE: CONTRACTOR TO SUBMIT BIDS FOR "WATER MAIN SPECIAL" WHICH SHALL CONSIST OF EITHER HDPE DIRECTIONAL BORING OR DUCTILE IRON JACK AND BORE.

NOTE
SEE SHEET 149 FOR WATER MAIN GENERAL NOTES

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



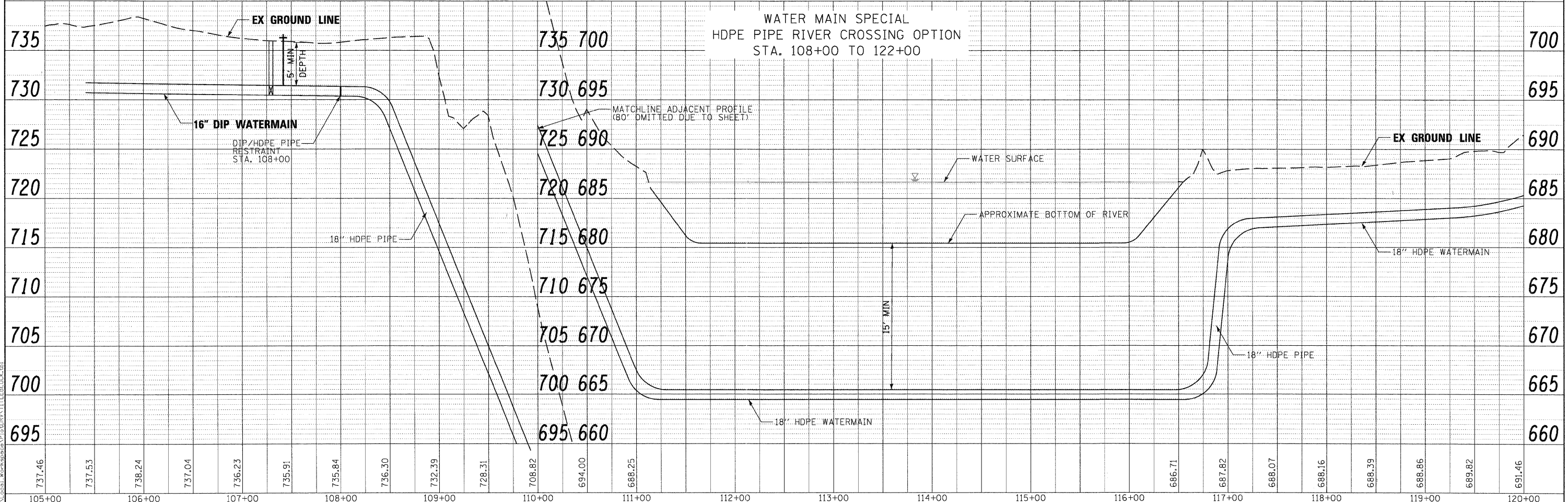
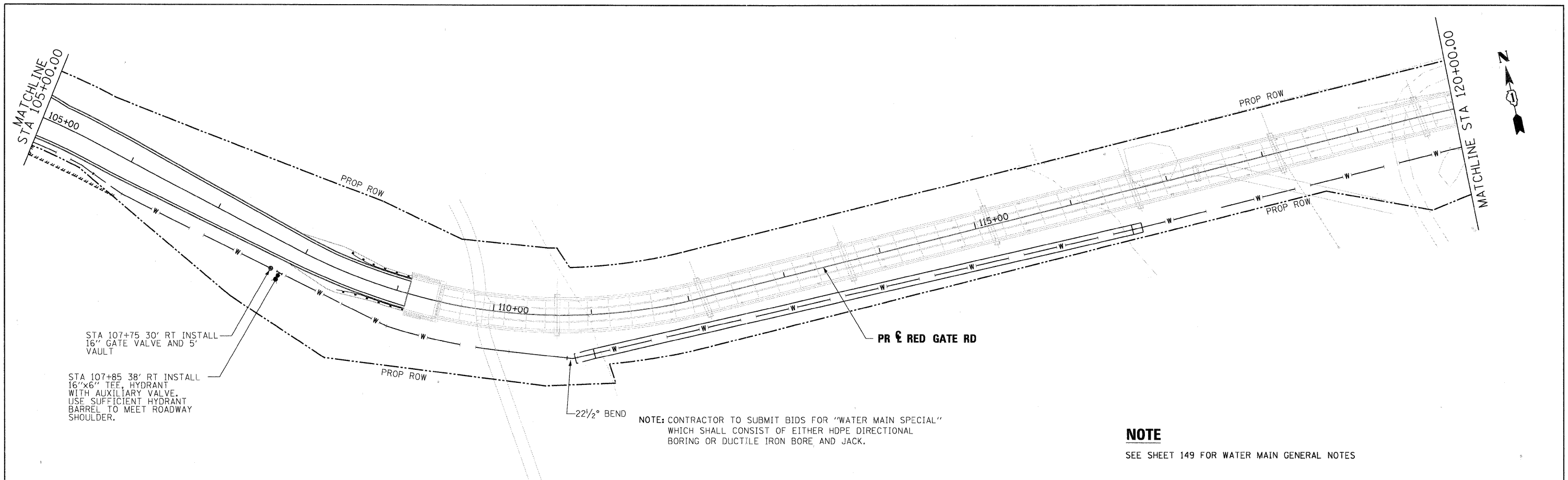
PLOT SCALE: 1"=50' FULL SIZE: 11" X 17" (0.85" X 1.31")

FILE NAME =	DESIGNED - MAC	REVISED -		CITY OF ST. CHARLES	WATER MAIN PLAN & PROFILE RED GATE ROAD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = mooleman	DRAWN - TMB	REVISED -						04-00092-00-BR	KANE	440	145	
PLOT DATE = 11/10/2011	CHECKED - RMT	REVISED -			SCALE: 1"=50" SHEET NO. 2 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 63650				
	DATE = 10/23/2011	REVISED -			ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	
	POD FILE NAME	
	NO.	

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

PLOT SCALE: 1"=50'
 ...RedGate_58WM_PP_2.A.dgn
 USER NAME = mooleman
 PLOT DATE = 11/18/2011



NOTE
 SEE SHEET 149 FOR WATER MAIN GENERAL NOTES

FILE NAME =	DESIGNED - MAC	REVISED -
...RedGate_58WM_PP_2.A.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

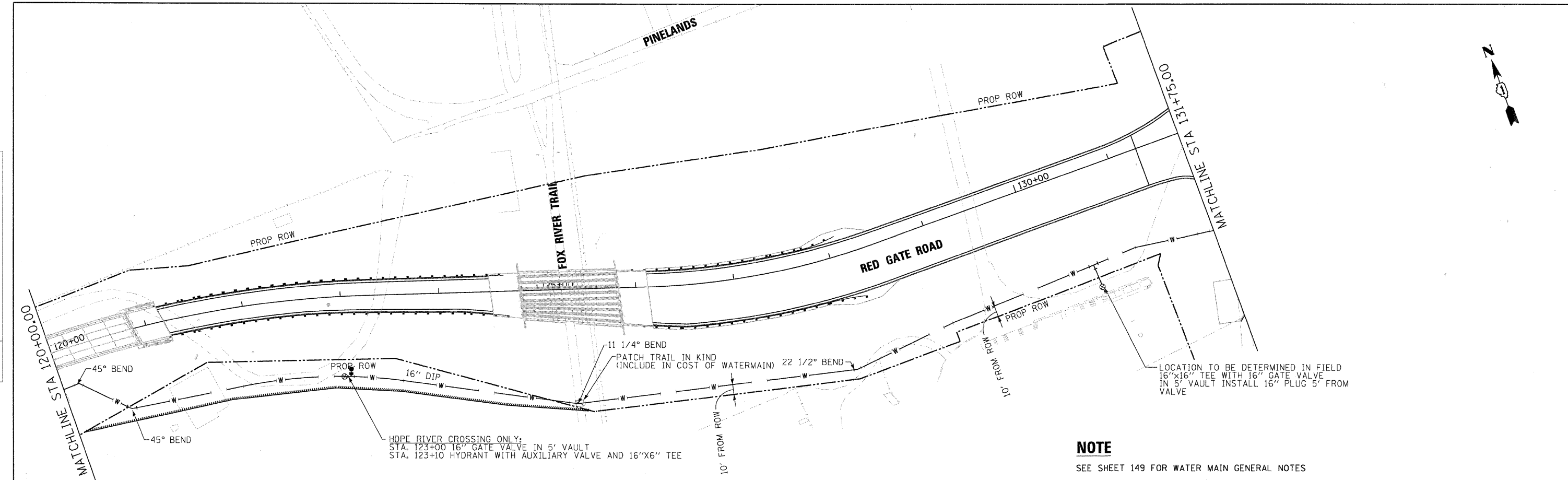
**WATER MAIN PLAN & PROFILE
 RED GATE ROAD**

SCALE: 1"=50" SHEET NO. 3 OF 10 SHEETS STA. TO STA.

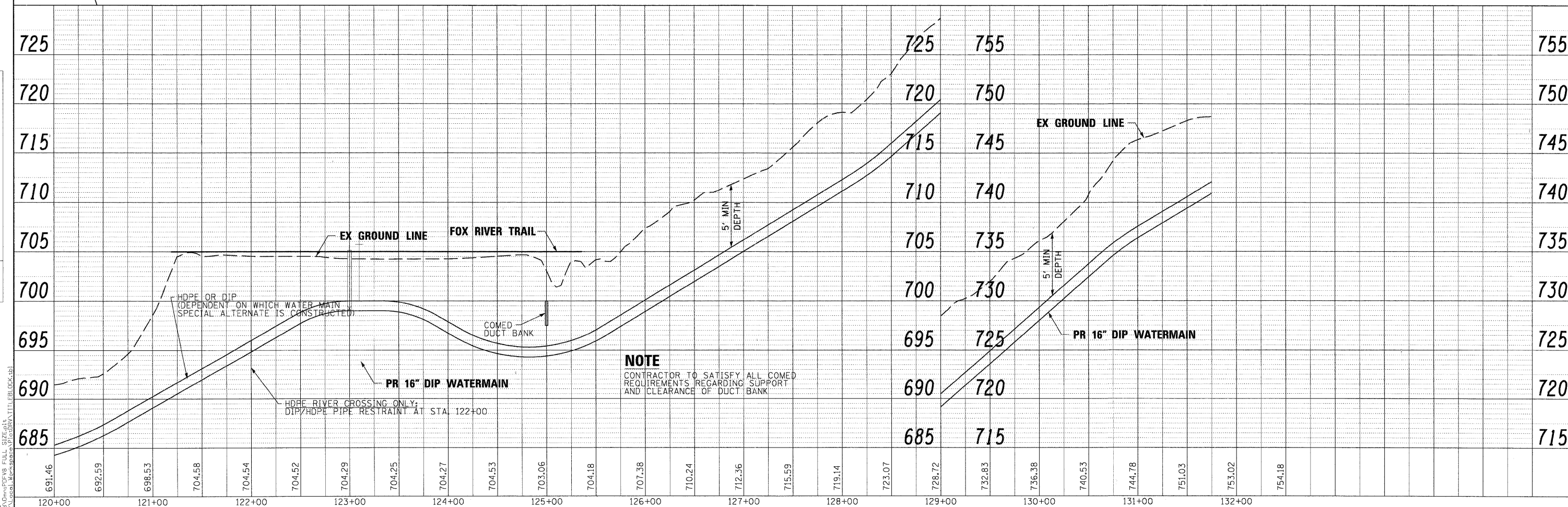
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	146
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

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

PROFILE	SURVEYED	BY	DATE
	NOTED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



NOTE
SEE SHEET 149 FOR WATER MAIN GENERAL NOTES



NOTE
CONTRACTOR TO SATISFY ALL COMED REQUIREMENTS REGARDING SUPPORT AND CLEARANCE OF DUCT BANK

FILE NAME =	DESIGNED - MAC	REVISED -
...\\redgate.59wm_pp_3.dgn	DRAWN - TMB	REVISED -
USER NAME = mcsleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/12/2011	DATE - 10/23/2011	REVISED -

DESIGNED - MAC	REVISED -
DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

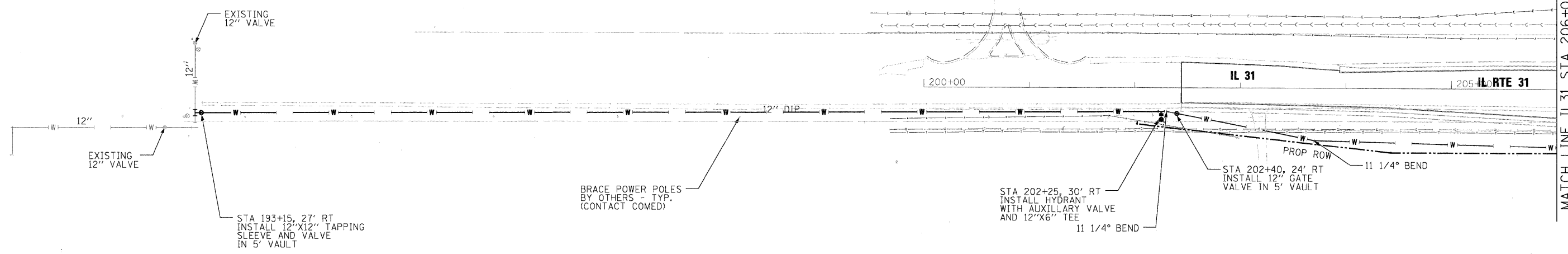
WATER MAIN PLAN & PROFILE			
RED GATE ROAD			
SCALE: 1"=50'	SHEET NO. 4 OF 10 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	147
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

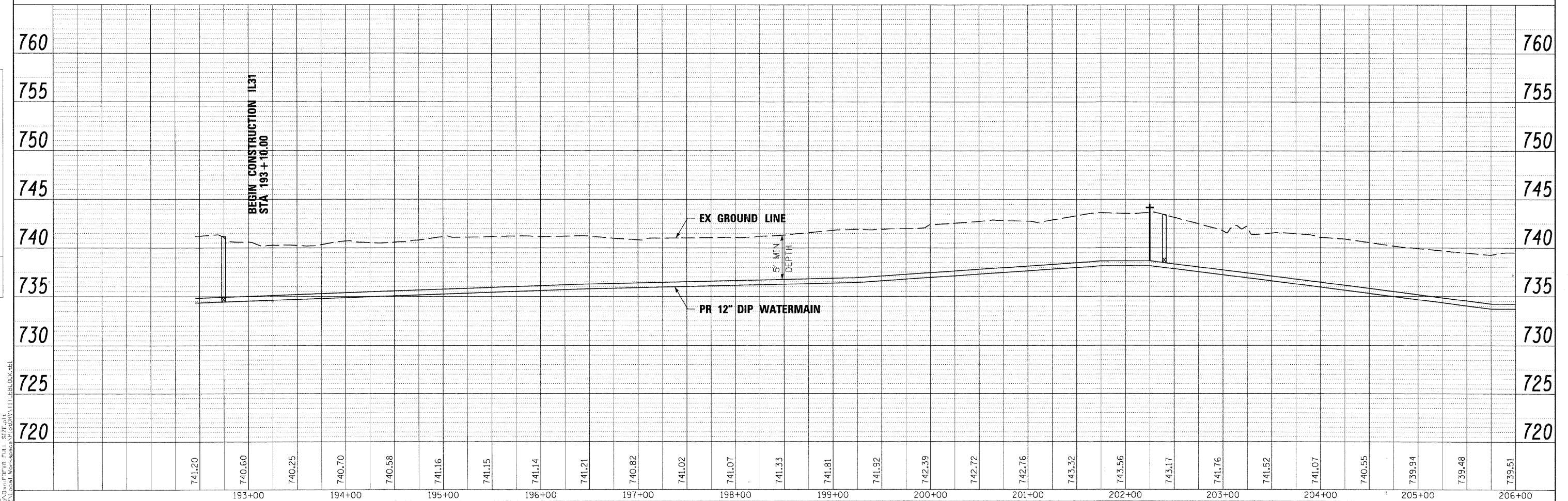


BY	DATE

BY	DATE



NOTE
SEE SHEET 149 FOR WATER MAIN GENERAL NOTES



FILE NAME =	DESIGNED - MAC	REVISED -
...watermain\IL31-50WM_PP_1.dgn	DRAWN - TMB	REVISED -
USER NAME = mooleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/12/2011	DATE - 10/23/2011	REVISED -

193+00	194+00	195+00	196+00	197+00	198+00	199+00	200+00	201+00	202+00	203+00	204+00	205+00	206+00														
741.20	740.60	740.25	740.70	740.58	741.16	741.15	741.14	741.21	740.82	741.02	741.07	741.33	741.81	741.92	742.39	742.72	742.76	743.32	743.56	743.17	741.76	741.52	741.07	740.55	739.94	739.48	739.51



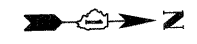
CITY OF ST. CHARLES

**WATER MAIN PLAN & PROFILE
IL 31**

SCALE: 1"=50" SHEET NO. 5 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	148
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

PLOT SCALE: 1"=50' (PLAN) 1"=10' (PROFILE) FULL SIZE: 11" X 17" (PLAN) 11" X 17" (PROFILE) PLOT DATE: 11/12/2011

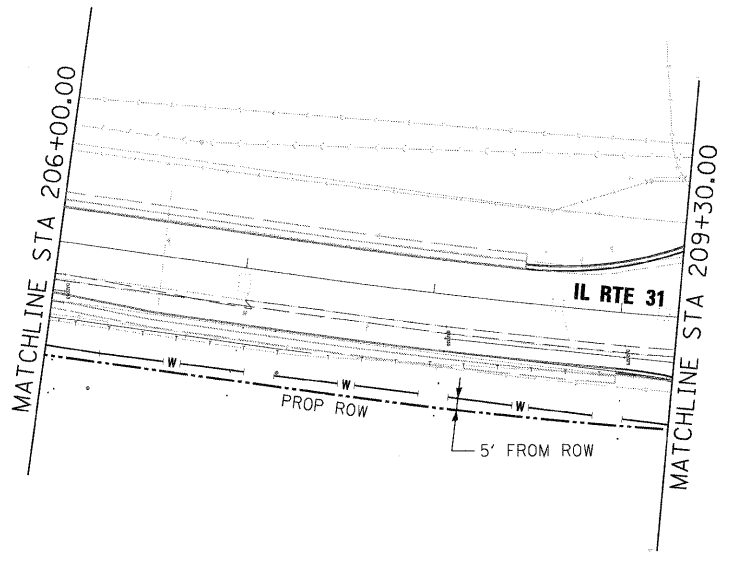


WATERMAIN GENERAL NOTES:

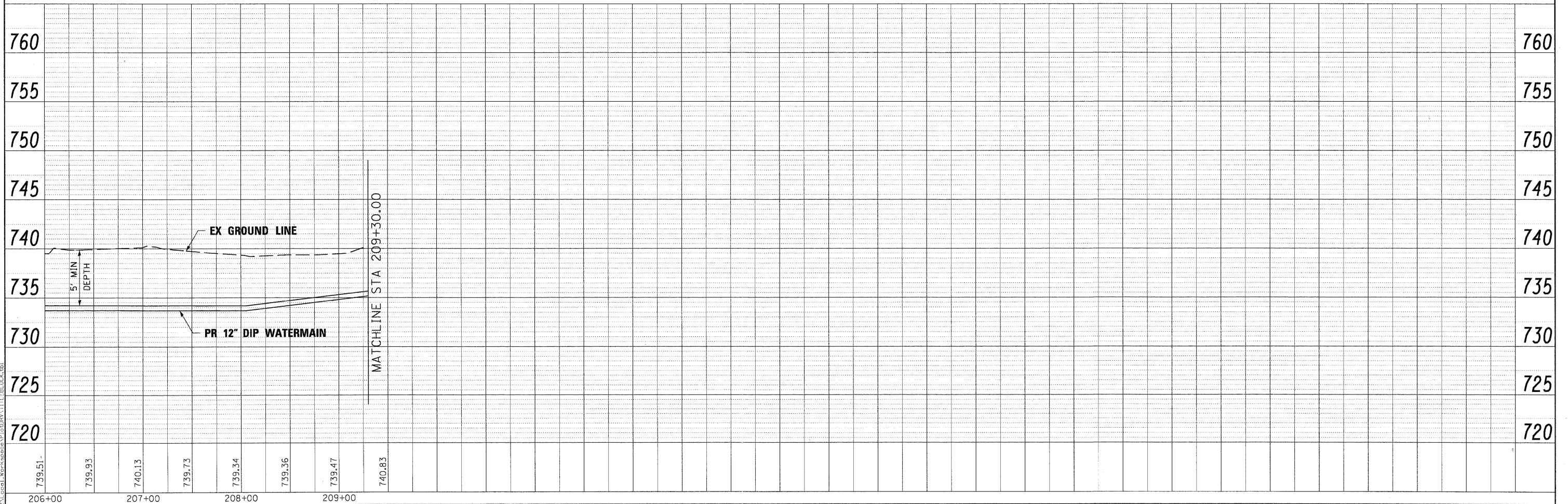
- ALL VALVES AND FIRE HYDRANTS SHALL ONLY BE OPERATED BY A CITY OF ST. CHARLES WATER DEPARTMENT REPRESENTATIVE.
- WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, 6TH EDITION DATED JULY 2009, AND CITY OF ST. CHARLES ENGINEERING DESIGN AND INSPECTION POLICY MANUAL, UPDATED JANUARY 2010. 48 HOUR ADVANCE NOTICE MUST BE GIVEN TO ALL CONSUMERS AFFECTED BY CHANGES IN WATER SERVICE AND THE CITY OF ST. CHARLES. THE CITY OF ST. CHARLES WILL BE PROVIDED COPIES OF THE WRITTEN NOTIFICATION FOR THEIR APPROVAL PRIOR TO DISTRIBUTION.
- WHEN WATER MAIN CONSTRUCTION REQUIRES SHUTTING DOWN WATER SERVICE CONTRACTOR WILL WORK CONTINUOUSLY UNTIL WATER SERVICE IS RESTORED.
- LOCATION OF UTILITIES AND PROPERTY LINES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED.
- WATERMAIN TESTING SHALL BE IN ACCORDANCE WITH CITY OF ST. CHARLES REQUIREMENTS.
- TEST PITS MUST BE EXCAVATED IN ADVANCE OF PIPELINE CONSTRUCTION IN ORDER TO CONFIRM DEPTH AND LOCATION OF EXISTING UTILITIES AND WHEN DIRECTED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR TEST PIT EXCAVATION.
- IF ANY PUBLIC OR PRIVATE UTILITIES CROSS THE WATER MAIN TRENCH AND MUST REMAIN IN PLACE, THE CONTRACTOR MUST PROTECT AND NOTIFY SAID UTILITY IN CONFORMANCE WITH THE SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
- PROVIDE EROSION CONTROL AS DIRECTED BY THE ENGINEER.
- WORK INDICATED ON THE PLANS AND NOT REFERENCED TO A BID ITEM IS CONSIDERED INCIDENTAL TO THE WORK TO WHICH IT APPLIES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WATER MAIN AND FITTINGS LOCATIONS SHOWN ON THE DRAWINGS FOR THE NEW WATER MAINS AND APPURTENANCES MAY BE CHANGED BY THE ENGINEER DUE TO FIELD CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SUCH CHANGES, UNLESS PREVIOUSLY APPROVED BY THE ENGINEER.
- THE CONTRACTOR MUST PROVIDE THRUST RESTRAINTS IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTOR MUST FURNISH AND INSTALL MECHANICAL JOINT (MEGALUGS) AT ALL FITTINGS AND MECHANICAL JOINTS.

- IF A STANDARD MECHANICAL JOINT SLEEVE DOES NOT FIT TO MAKE CONNECTION OF THE NEW PIPE TO THE EXISTING PIPE, A TRANSITION SLEEVE MUST BE USED. NO GRINDING OF THE EXISTING PIPE IS PERMITTED.
- SWAB PIPE AND FITTINGS THAT WILL NOT BE PRESSURE TESTED OR CHLORINATE WITH CHLORINE SOLUTION DURING INSTALLATION AND USE EXTRA PRECAUTION TO PREVENT SOIL AND DEBRIS FROM ENTERING THE PIPE. INCORPORATE UNTESTED PIPE INTO THE FLUSHING ROUTINE WHEN POSSIBLE. WHEN CONNECTING NEW PIPE TO THE EXISTING WATER SYSTEM, USE OPERATING PRESSURE TO VISUALLY INSPECT FOR LEAKS. WHEN FEASIBLE, PERFORM INSPECTION PRIOR TO BACK FILLING.
- ALL WATER PIPE SHALL BE BELL AND SPIGOT JOINT DUCTILE IRON PIPE, EXCEPT FOR HDPE IF USED FOR WATERMAIN SPECIAL, AND SHALL BE IN ACCORDANCE WITH THE WATER MAIN SPECIFICATIONS EXCEPT AT FITTINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING WATER SERVICES AND FIRE PROTECTION SERVICE DURING CONSTRUCTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT.
- EXISTING UTILITY CONFLICTS ARE SCHEDULED TO BE RESOLVED PRIOR TO WATER MAIN CONSTRUCTION. HOWEVER, THIS MAY NOT HAVE OCCURRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ALL UTILITIES HAVE BEEN RELOCATED.
- ALL REFERENCES TO "ENGINEER" IN THESE GENERAL NOTES REFER TO THE RESIDENT ENGINEER ON THIS PROJECT.
- ALL REFERENCES TO "SPECIFICATION" IN THESE GENERAL NOTES REFER TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, 6TH EDITION DATED JULY 2009 AND THE SPECIAL PROVISIONS.
- EXISTING UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS.
- CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES FROM THE OWNERS OF THE RESPECTIVE UTILITIES.
- COORDINATE WATER MAIN CONSTRUCTION WITH THE CITY OF ST. CHARLES.
- ALL WATER MAINS AND FITTINGS SHALL BE ENCASED WITH HIGH DENSITY POLYETHYLENE WRAP. SEE SPECIFICATIONS.
- WORK SHALL COMPLY WITH IEPA REQUIREMENTS.

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



DATE	
BY	
PROFILE	
SURVEYED	
NOTED	
CHECKED	
NO. STRUCTURE	
NOTATIONS	
CHPK	



PLOT SCALE: 1"=50'
 FILE NAME: ...watermain\IL31_50WM_PP_2.dgn
 USER NAME: mcoleman
 PLOT DATE: 11/18/2011

FILE NAME =	DESIGNED - MAC	REVISED -
...watermain\IL31_50WM_PP_2.dgn	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/18/2011	DATE = 10/23/2011	REVISED -



CITY OF ST. CHARLES

**WATER MAIN PLAN & PROFILE
IL 31**

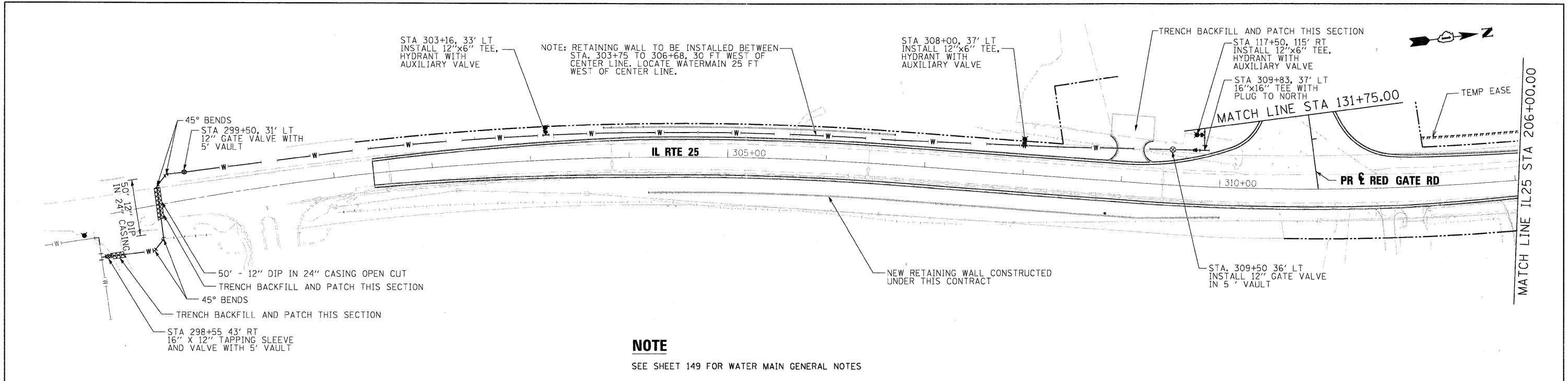
SCALE: 1"=50" SHEET NO. 6 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	149
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

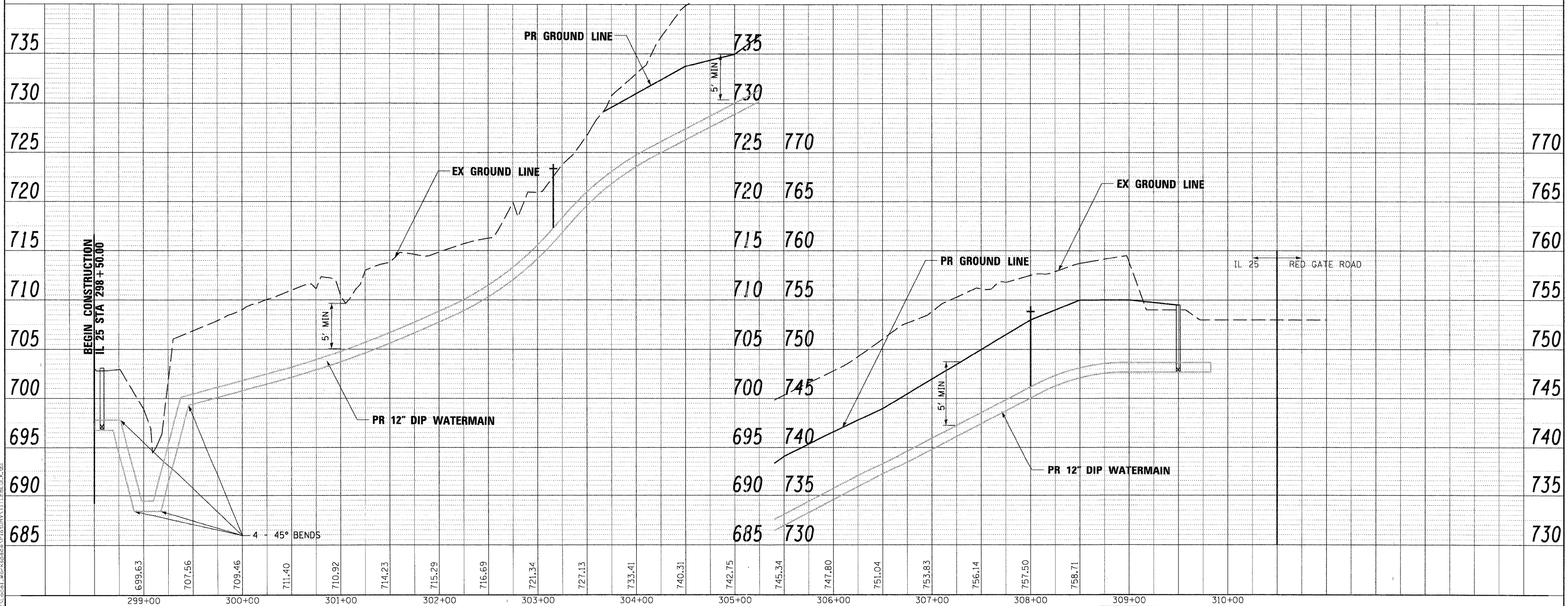
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	ALIGNED		
	NOTED		
	CHECKED		
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	CHECKED		
	NO.		
	ADD. FILE NAME		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	RT. OF WAY		
	CHECKED		
	NO.		
	ADD. FILE NAME		

PLOT SCALE: 1"=50'
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 USER NAME: mcoleman
 PLOT DATE: 11/18/2011



NOTE
 SEE SHEET 149 FOR WATER MAIN GENERAL NOTES



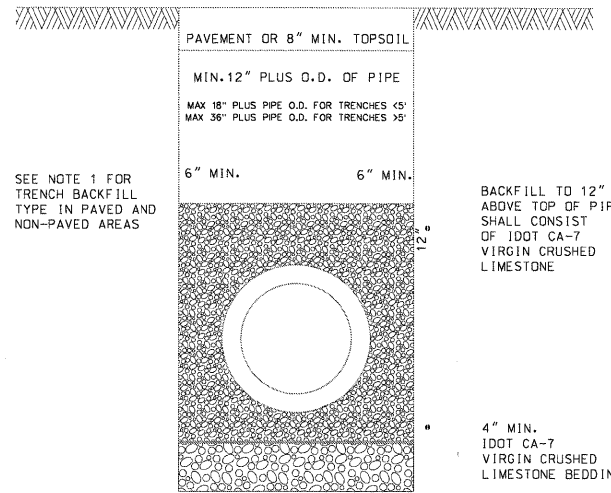
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USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

WATER MAIN PLAN & PROFILE			
IL 25			
SCALE: 1"=50"	SHEET NO. 7 OF 10 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	150
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



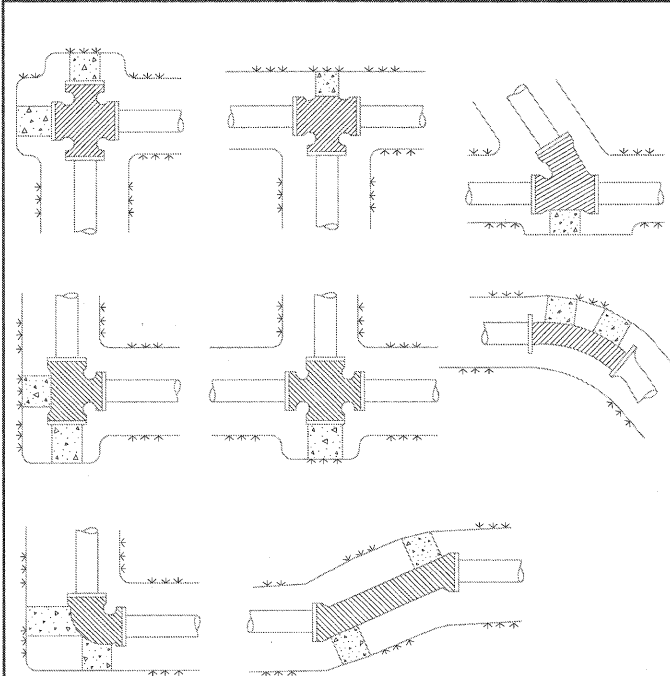
SEE NOTE 1 FOR TRENCH BACKFILL TYPE IN PAVED AND NON-PAVED AREAS

UNDERCUT UNSUITABLE AREAS WHERE DIRECTED AND REPLACE WITH IDOT CA-7 VIRGIN CRUSHED LIMESTONE

NOTES:

- TRENCH BACKFILL MATERIAL SHALL CONSIST OF CA-7 (VIRGIN CRUSHED LIMESTONE) UNDER PAVED AREAS OR WITHIN ZONE OF INFLUENCE, OR FA-6 (CLEAN BROWN BEACH SAND) IN NON-PAVED AREAS.
- ALL MATERIALS SHALL BE PROPERLY COMPACTED PER SPECIFICATIONS (INUNDATION OR WATER JETTING NOT ALLOWED)
- ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS

NOT TO SCALE
RCP & DIP TRENCH DETAIL
DATE: 8-14-09



NOTE:

- ALL BENDS OF 2" AND LARGER SHALL BE BLOCKED WITH AT LEAST 10" THICK CONCRETE BLOCK(S) AGAINST UNDISTURBED VERTICAL EARTH FACE.
- ALL CONCRETE TO BE MIN. 3,000 PSI.
- IN ADDITION TO THE ABOVE THRUST BLOCKING: ALL MECHANICAL JOINTS, BENDS OVER 10" AND FIRE HYDRANTS SHALL HAVE A "MEGALUG" RESTRAINT, OR AS APPROVED BY THE ENGINEERING DIVISION. BOLTS SHALL BE "COR-TEN".

NOT TO SCALE
THRUST BLOCK INSTALLATION DETAILS
DATE: 11-2-09

Minimum Restrained Lengths (in feet)
back from both sides of fitting

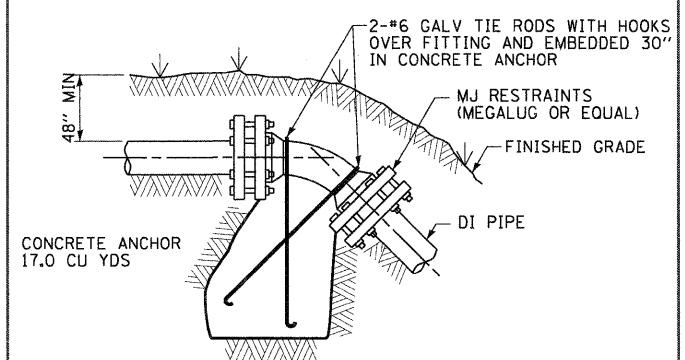
Fitting type/nominal size	4"	6"	8"	10"	12"	16"	
90 Degree Bend	17	25	32	38	45	59	
45 Degree Bend	7	10	13	16	19	24	
22.5 Degree Bend	3	5	6	8	9	12	
11.25 Degree Bend	2	2	3	4	4	6	
Dead End	39	55	73	87	103	134	
Top Side Vertical Offset * (45 Degree)	16	23	30	36	43	55	
Bottom Side Vertical Offset * (45 Degree)	4	6	8	10	11	15	
Tee Run X Branch **	6" by	1	17				
Tee Run X Branch **	8" by	1	5	34			
Tee Run X Branch **	10" by	1	1	24	49		
Tee Run X Branch **	12" by	1	1	15	41	65	
Tee Run X Branch **	16" by	1	1	1	26	52	95
Reducer ***	6" by	28					
Reducer ***	8" by	52	30				
Reducer ***	10" by	71	54	29			
Reducer ***	12" by	90	75	55	51		
Reducer ***	16" by	123	113	97	94	54	

* Vertical offset with minimum 10' of solid pipe between upper and lower bend.
** Tee with MINIMUM 10' solid pipe on both sides of run. Number indicates length of branch to be restrained.
*** Length back from Large Eng of Reducer.

DATE: 3-31-09
WATER MAIN RESTRAINT

NOTE

- USE READY-MIX CONCRETE WITH 3,000 PSI STRENGTH @ 28 DAYS
- PLACE CONCRETE CLEAR OF JOINT & JOINT ACCESSORIES
- DIMENSIONS ARE BASED ON 200 PSI STATIC PRESSURE PLUS AWWA WATER HAMMER (FS = 1.5)



SECTION

WATER MAIN RESTRAINT

PLOT SCALE: 1/4" = 1'-0" (0.25) FILE NAME: ...watermain\WM_DET-01.dgn USER NAME: mcoleman PLOT DATE: 11/10/2011

DESIGNED - MAC	REVISED -
DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -

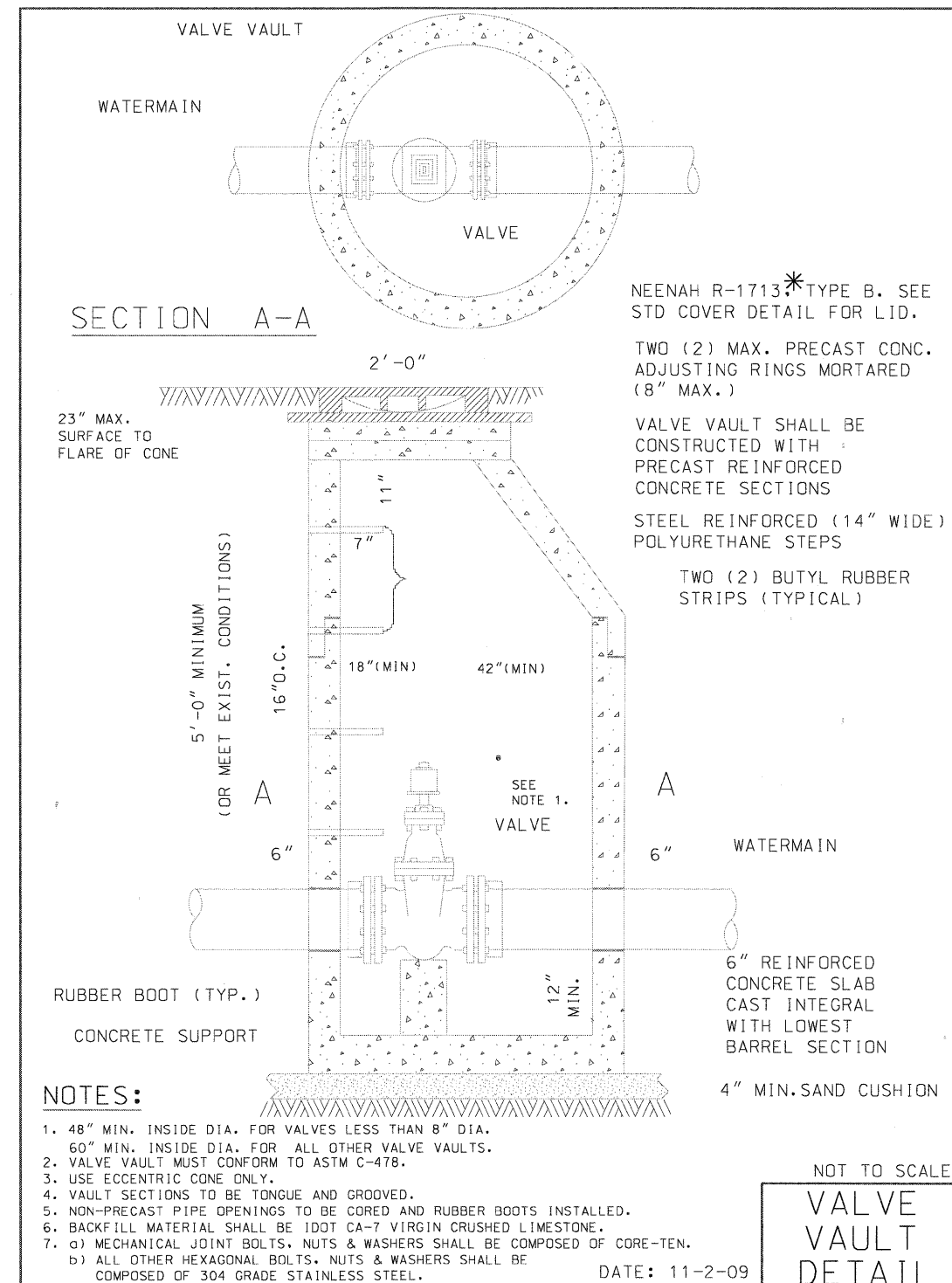
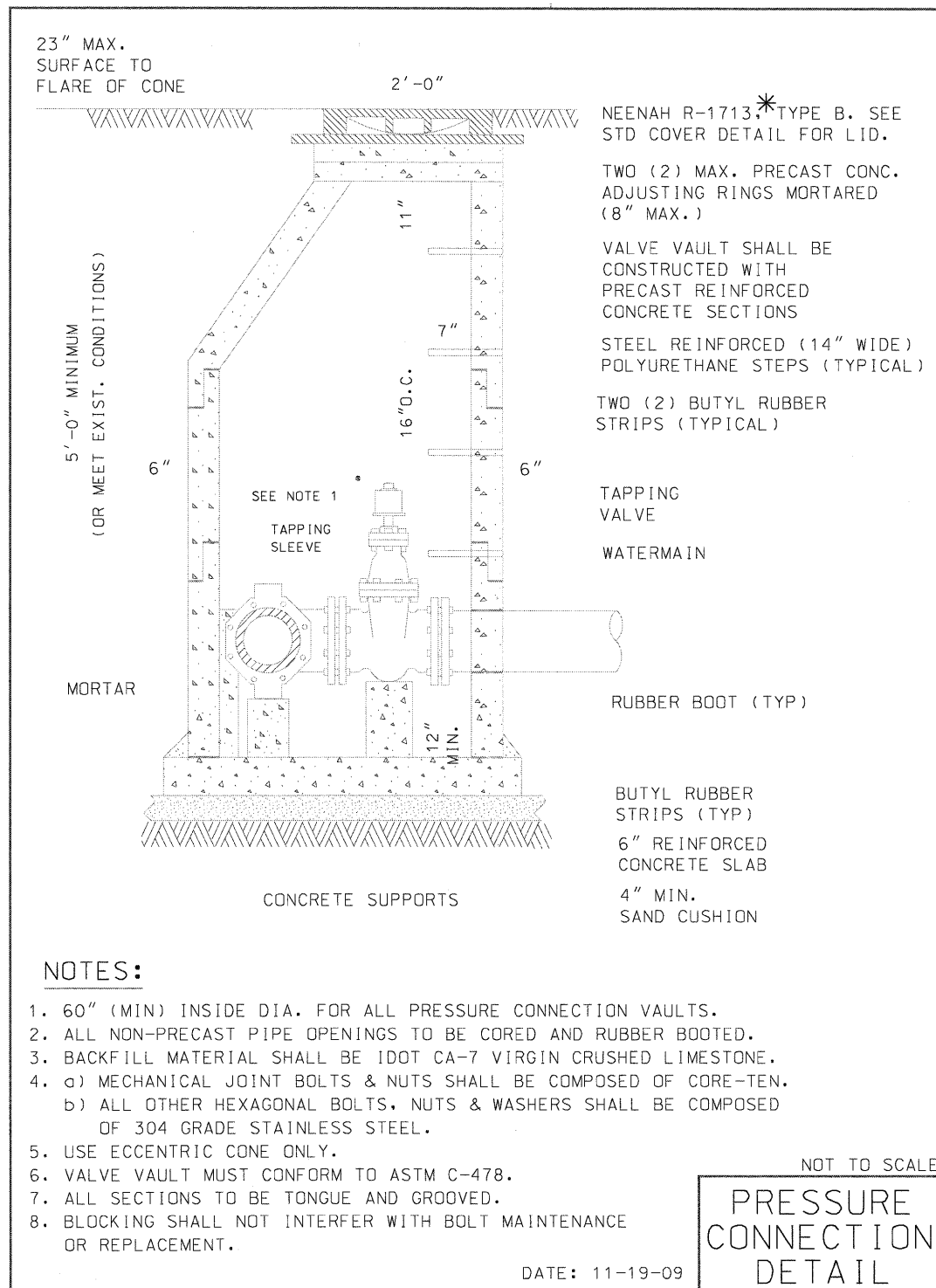


CITY OF ST. CHARLES

WATER MAIN DETAILS

SCALE: NTS SHEET NO. 8 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	151
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



* OR APPROVED EQUAL

PLT SCALE: 1:1
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PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -

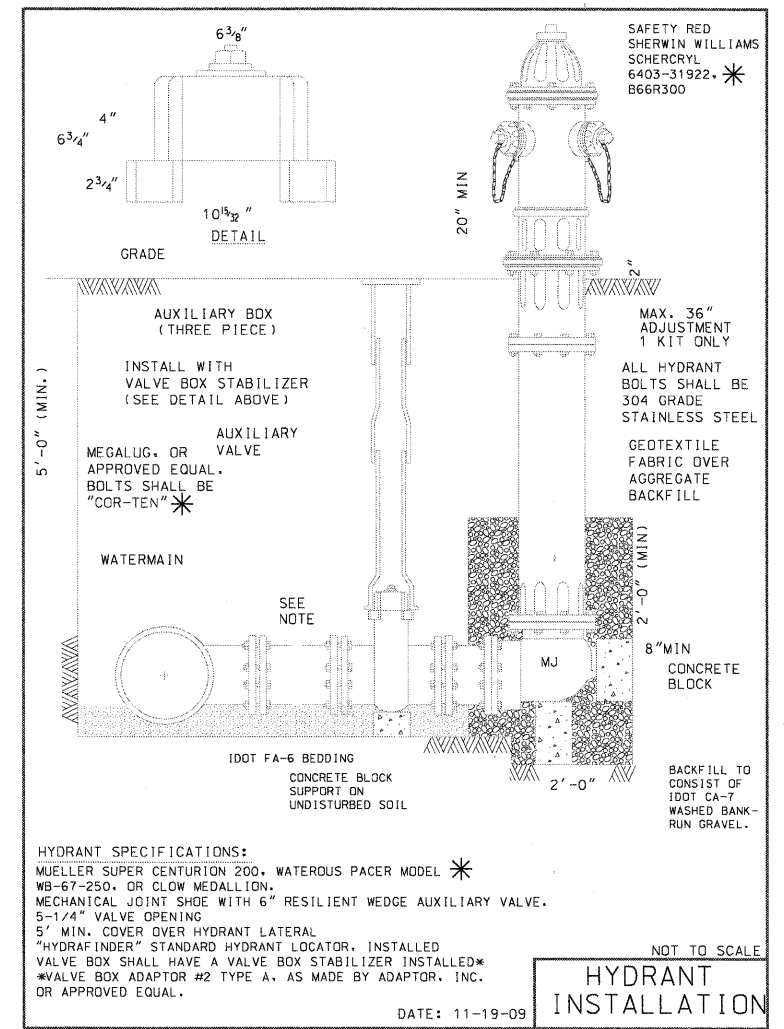
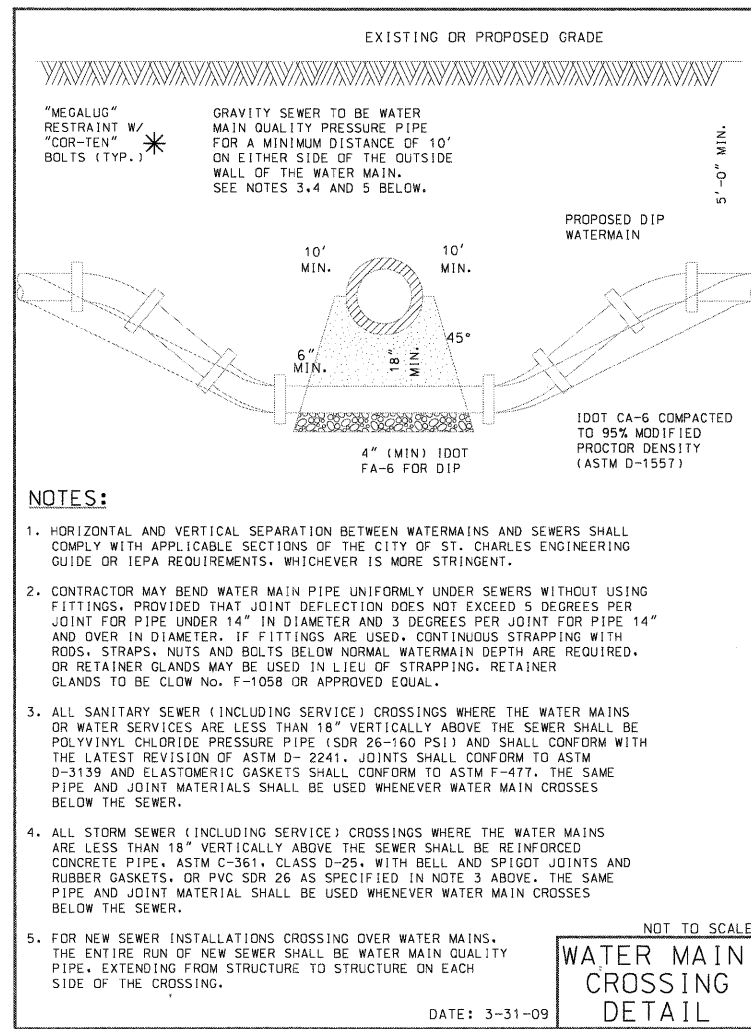
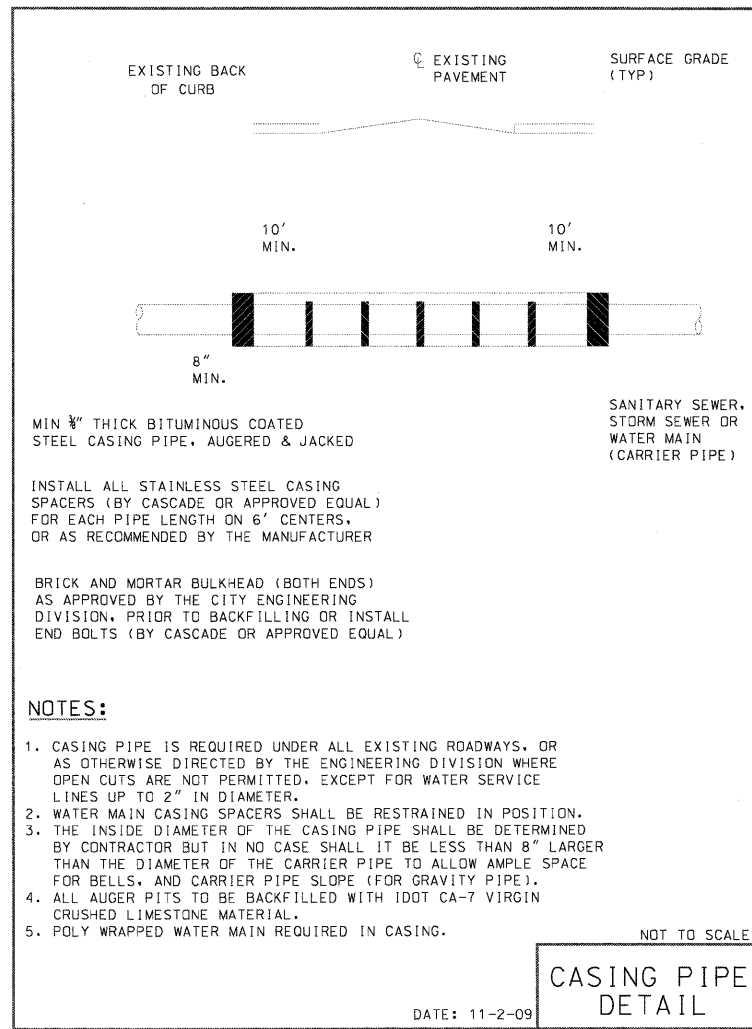


CITY OF ST. CHARLES

WATER MAIN
 DETAILS

SCALE: NTS SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	152
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



* OR APPROVED EQUAL

PLT SCALE: 1/4" = 1'-0"
 FILE NAME: ...\\watermain\WM_DET-03.dgn
 USER NAME: mcoleman
 PLOT DATE: 11/10/2011

FILE NAME =	DESIGNED - MAC	REVISED -
...\\watermain\WM_DET-03.dgn	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

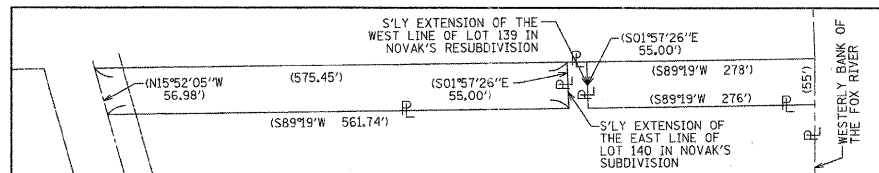
WATER MAIN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	153
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

PART OF THE WEST 12 OF SECTION 15 AND THE EAST 12 OF SECTION 16, TWP. 40 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

NOTES:
1) SEE SHEET 3 OF 5 FOR PROPOSED PARCEL AND EASEMENT INFORMATION



CENTERLINE ILLINOIS ST. RT. 31	
LINE 1	N09°03'06"E 1482.13'
CURVE 1	LENGTH 407.67' RADIUS 2864.79' CHORD 407.33' BEARING N04°58'30"E
LINE 2	N00°53'54"E 904.62'
CURVE 2	LENGTH 227.84' RADIUS 775.00' CHORD 227.02' BEARING N07°31'26"E
LINE 3	N15°56'45"W 474.65'

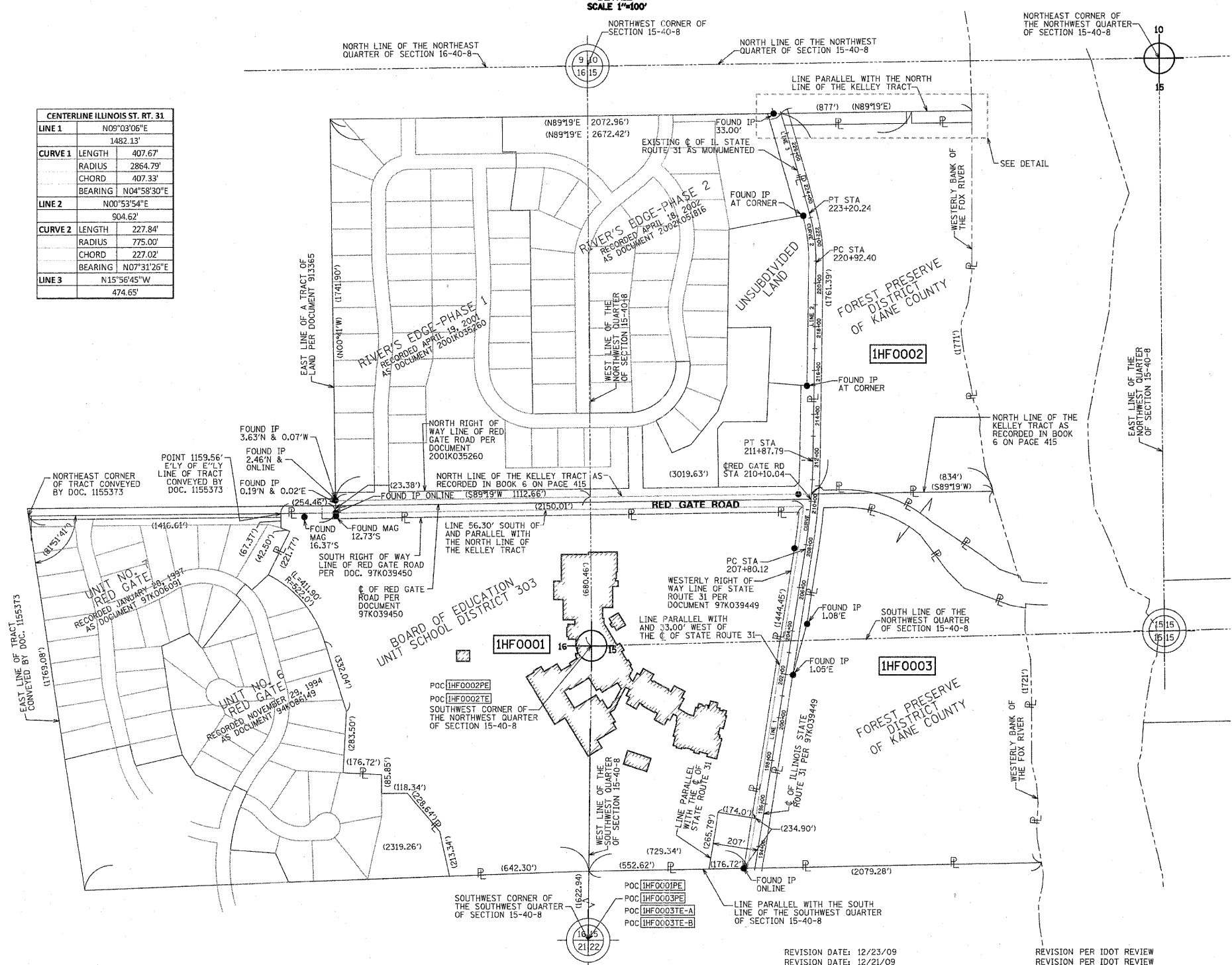
LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

Graphic Scale:
0 250.00
SCALE: 1" = 250'
0 100.00
SCALE: 1" = 100'

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 15, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS

REBECCA Y. POECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

SPACECO INC.
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 25/IL ROUTE 31
(NORTH OF IL ROUTE 64)

SECTION: AT RED GATE ROAD COUNTY: KANE
PROJECT JOB NO.: R-91-004-10
STATION N/A TO STATION N/A
SCALE: 1" = 250' SHEET 2 OF 5

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

RECEIVED
DEC 24 2009
PLATS & LEGALS

REVISION DATE: 12/23/09
REVISION DATE: 12/21/09
REVISION DATE: 12/21/09

REVISION PER IDOT REVIEW
REVISION PER IDOT REVIEW
REVISION PER IDOT REVIEW

MADE BY RYP
MADE BY RYP
MADE BY JWM

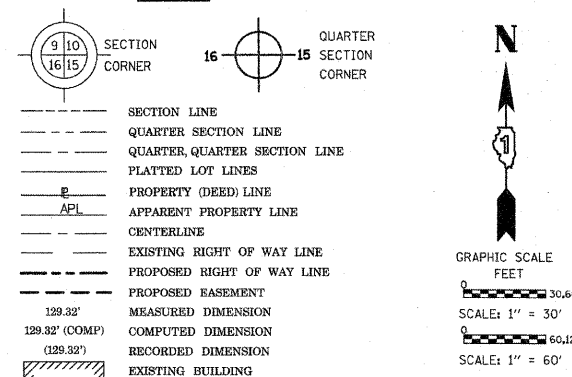
IL ROUTE 25/IL ROUTE 31 SECTION: AT RED GATE ROAD KANE COUNTY JOB NO.: R-91-004-10 RECORDING: RECORDED ON

PLOT DATE: 11/14/2011
FILE NAME: ...
USER NAME: +blant
PLOT DATE: 11/14/2011

DESIGNED - MAC	REVISED -		CITY OF ST. CHARLES		PLAT OF HIGHWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - TMB	REVISED -				SCALE: NTS	SHEET NO. 1 OF 5 SHEETS	STA.	04-00092-00-BR	KANE	440	154
CHECKED - RMT	REVISED -						TO STA.	CONTRACT NO. 63650			
DATE - 10/23/2011	REVISED -						ILLINOIS FED. AID PROJECT				

PART OF THE NORTHWEST QUARTER OF SECTION 15, TWP. 40 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR SET
- T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 15, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS

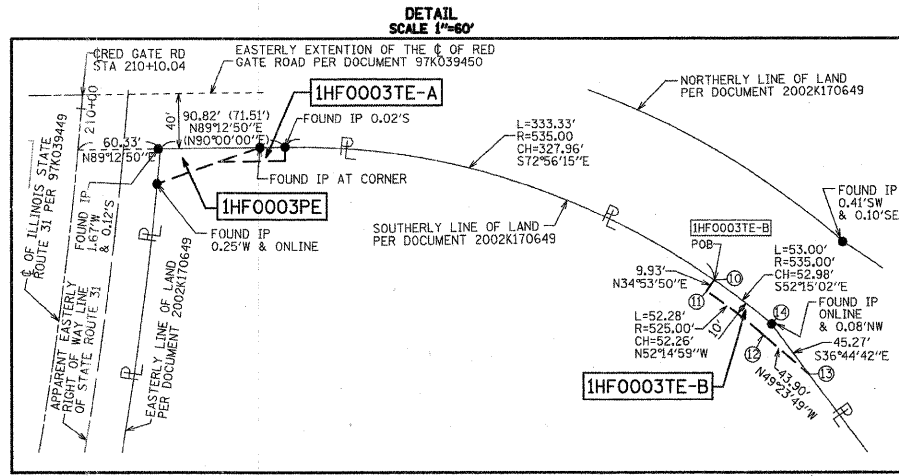
REBECCA Y. POPECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

SPACECO INC.
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS
9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4050 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 25/IL ROUTE 31
(NORTH OF IL ROUTE 64)
SECTION: AT RED GATE COUNTY: KANE
PROJECT: JOB NO.: R-91-004-10
STATION 208+74.74 TO STATION 213+01.41
SCALE: 1" = 30' SHEET 3 OF 5
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

RECEIVED
DEC 24 2009
PLATS & LEGALS



CENTERLINE ILLINOIS ST. RT. 31

LINE 1	N09°03'06"E	1482.13'
CURVE 1	LENGTH	407.67'
	RADIUS	2864.79'
	CHORD	407.33'
	BEARING	N04°58'30"E
LINE 2	N00°53'54"E	904.62'

COORDINATE/STATION TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
1	1924632.26	988554.24	209+42.46	79.96 LEFT
2	1924619.29	988583.01	209+32.28	50.00 LEFT
3	1924632.68	988584.39	209+45.98	50.00 LEFT
4	1924627.34	988694.40	209+51.54	60.00 RIGHT
5	1924642.85	988739.25	209+70.69	103.18 RIGHT
6	1924643.51	988787.70	209+75.52	151.37 RIGHT
7	1924653.51	988787.56	209+84.97	150.36 RIGHT
8	1924653.26	988769.36	209+83.23	132.25 RIGHT
9	1924652.27	988696.75	209+76.07	60.00 RIGHT
10	1924557.28	989101.10	209+25.90	471.74 RIGHT
11	1924549.14	989095.42	209+18.42	466.97 RIGHT
12	1924517.15	989136.74	208+95.27	511.66 RIGHT
13	1924488.58	989170.07	208+74.74	548.20 RIGHT
14	1924524.85	989142.99	209+02.37	516.97 RIGHT
15	1924751.88	988676.94	210+72.42	33.00 RIGHT
16	1924732.27	988696.80	210+54.30	53.98 RIGHT
17	1924732.36	988702.90	210+54.75	60.06 RIGHT
18	1924732.86	988739.29	210+57.42	96.36 RIGHT
19	1924742.86	988739.15	210+67.07	95.63 RIGHT
20	1924742.36	988703.26	210+64.55	59.82 RIGHT
21	1924767.80	988689.80	210+88.78	45.00 RIGHT
22	1924868.30	988693.12	211+87.79	45.00 RIGHT
23	1924981.92	988694.90	213+01.41	45.00 RIGHT
24	1924982.11	988682.82	213+01.41	32.92 RIGHT
25	1924868.49	988681.12	211+87.79	33.00 RIGHT
26	1924778.81	988678.32	210+99.08	33.00 RIGHT

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQ.F.T.	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IHF0001PE	BOARD OF EDUCATION OF ST. CHARLES COMMUNITY UNIT SCHOOL DISTRICT 303	32.06*	0.000	0	0	32.06*	0.005	202	PERMANENT	09-15-301-018	
IHF0002PE	FOREST PRESERVE DISTRICT OF KANE COUNTY	29.59*	0.000	0	0	29.59*	0.010	N/A	PERMANENT TEMPORARY	09-15-101-017	
IHF0003PE	FOREST PRESERVE DISTRICT OF KANE COUNTY	40.27*	0.000	0	0	40.27*	0.021	N/A	PERMANENT TEMPORARY	09-15-301-016	

NOTE AREA OF CONTIGUOUS PROPERTY/TOTAL HOLDINGS WAS CALCULATED USING EXISTING PLATS AND USING RECORDS.

REVISION DATE: 12/23/09
REVISION DATE: 12/21/09

REVISION PER IDOT REVIEW
REVISION PER IDOT REVIEW

MADE BY RYP
MADE BY JWM

IL ROUTE 25/IL ROUTE 31

SECTION: AT RED GATE ROAD

KANE COUNTY

JOB NO.: R-91-004-10

RECORDING: RECORDED ON

FILE NAME = ...
DRAWN - TMB
CHECKED - RMT
DATE - 10/23/2011

DESIGNED - MAC
REVISIONS -
REVISIONS -
REVISIONS -
REVISIONS -



CITY OF ST. CHARLES

PLAT OF HIGHWAYS

SCALE: NTS SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00092-00-BR		KANE	440	155
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				

PART OF THE SOUTHEAST QUARTER OF SECTION 15, TWP. 40 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IHF0004PE	FOREST PRESERVE DISTRICT OF KANE COUNTY	*32.79*	0.000	N/A	*32.79*	0.546	PERMANENT	09-15-401-002 09-15-401-004	

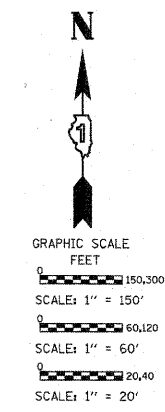
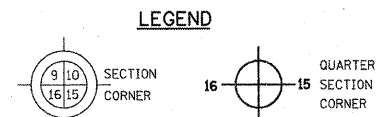
CENTERLINE ILLINOIS ST. RT. 25

LINE	BEARING	LENGTH
LINE 1	N00°29'36"W	197.99'
CURVE 1	LENGTH	615.88'
	RADIUS	2864.93'
	CHORD	614.70'
	BEARING	N05°39'55"E
LINE 2	N11°49'26"E	249.88'
CURVE 2	LENGTH	550.99'
	RADIUS	2387.50'
	CHORD	589.48'
	BEARING	N04°43'57"E

COORDINATE/STATION TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
27	1923130.53	991600.53	301+20.89	0.00 LEFT
28	1923131.06	991567.54	301+20.89	33.00 LEFT
29	1923678.09	991628.65	306+65.88	33.00 LEFT
30	1923843.43	991663.26	308+34.81	33.00 LEFT
31	1923844.00	991697.10	308+42.30	0.00 RIGHT
32	1923671.33	991660.95	306+65.88	0.00 LEFT

NOTE AREA OF CONTIGUOUS PROPERTY/TOTAL HOLDINGS WAS CALCULATED USING EXISTING PLATS AND RECORDS



Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

● IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
+ CUT CROSS FOUND OR SET

• T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
T2
T3

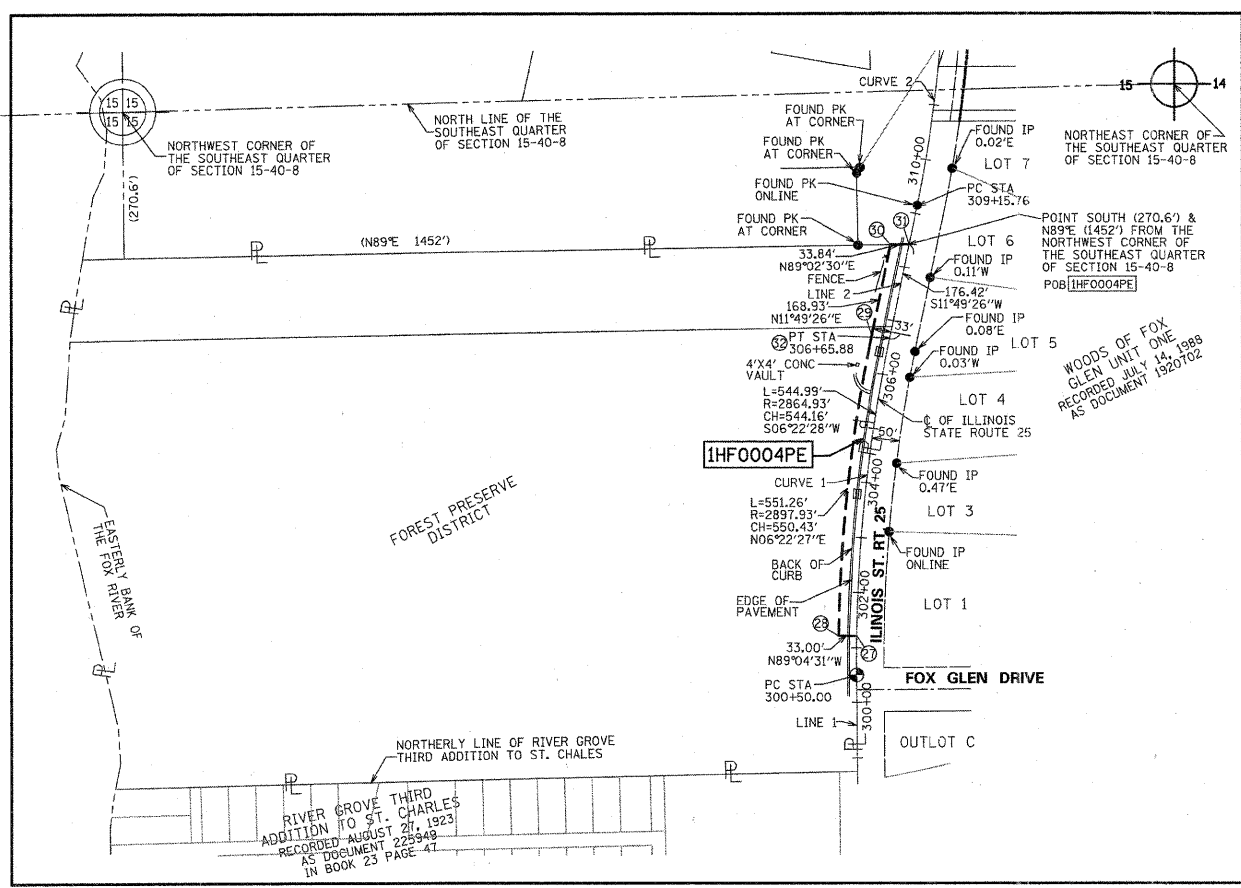
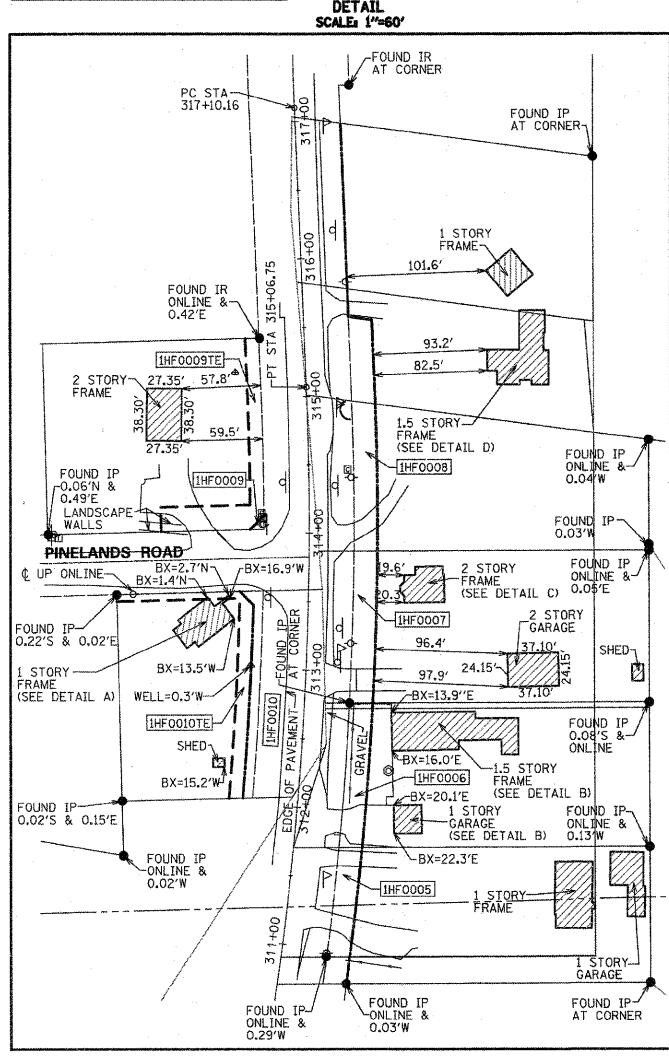
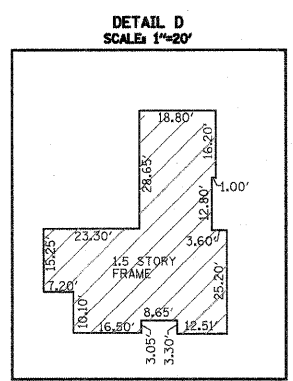
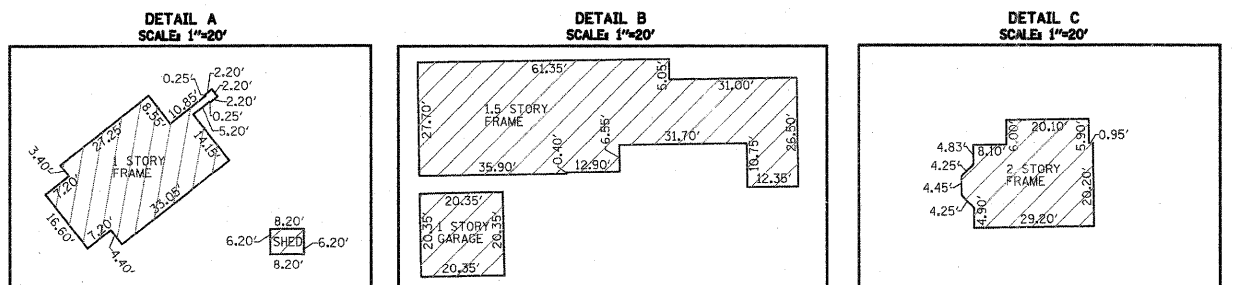
• BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
BT2
BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET



STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 15, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

SPACECO INC.
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

RECEIVED
JAN 14 2010
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 25/IL ROUTE 31
(NORTH OF IL ROUTE 64)

SECTION: AT RED GATE COUNTY: KANE
PROJECT JOB NO.: R-91-004-10
STATION 301+20.89 TO STATION 308+42.30
SCALE: 1" = 150' SHEET 5 OF 5

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: 01/14/10
REVISION DATE: 12/23/09
REVISION DATE: 12/21/09

REVISION PER IDOT REVIEW
REVISION PER IDOT REVIEW
REVISION PER IDOT REVIEW

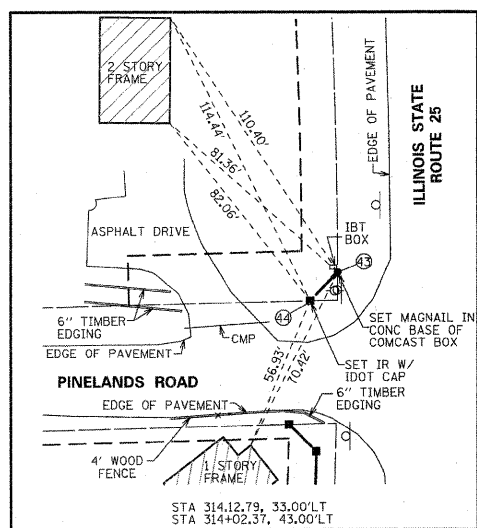
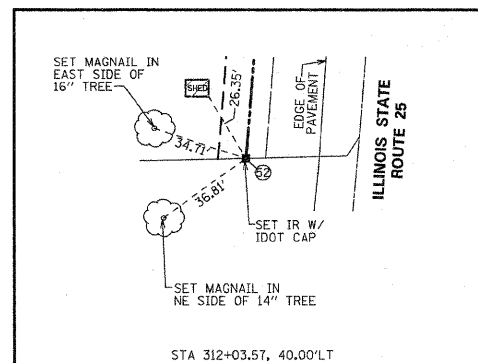
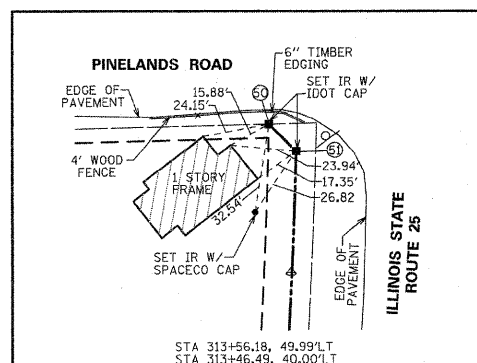
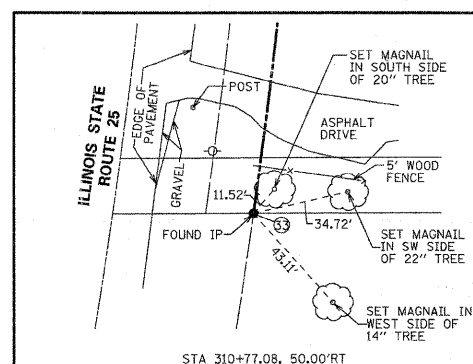
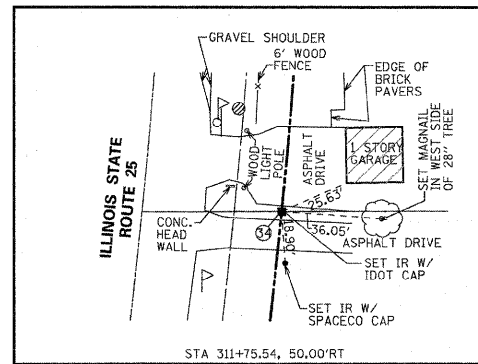
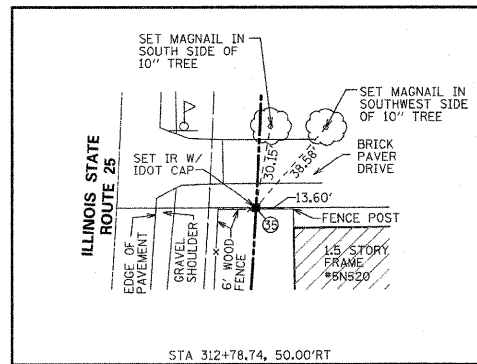
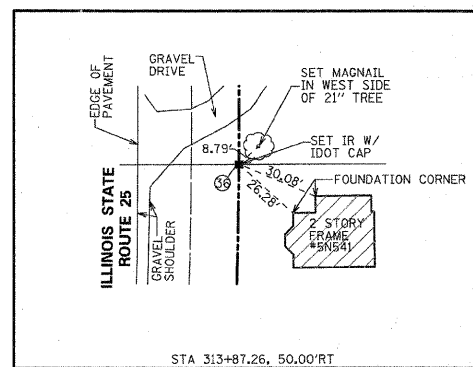
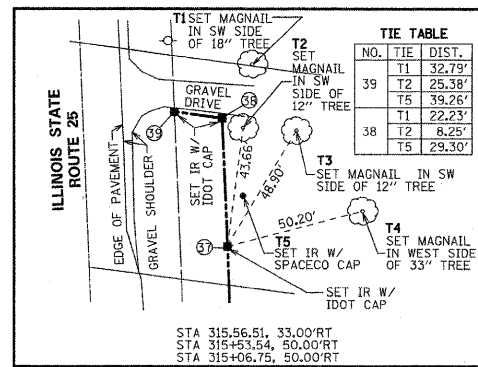
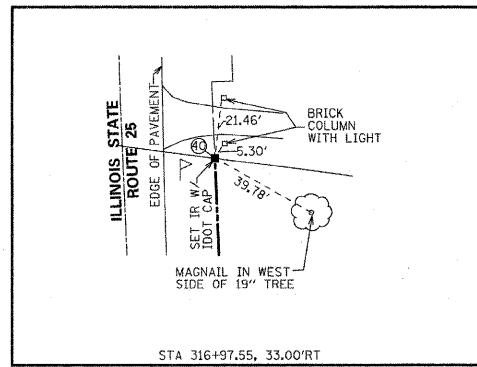
MADE BY RYP
MADE BY RYP
MADE BY JWM

IL ROUTE 25/IL ROUTE 31 AT RED GATE ROAD KANE COUNTY R-91-004-10 RECORDING: RECORDED ON

PLOT: 0504 E 11
 C:\Users\jmac\Documents\Spaceco\Plats\184-001157\184-001157-0504 E 11.dgn
 USER: jmac
 PLOT DATE: 11/4/2011

FILE NAME =	DESIGNED - MAC	REVISED -		CITY OF ST. CHARLES	PLAT OF HIGHWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \R01\p\p1\ABC-sh-t-R01-24.dgn	DRAWN - TMB	REVISED -			04-00092-00-BR	KANE	440	157			
USER NAME = tblank	CHECKED - RMT	REVISED -			CONTRACT NO. 63650						
PLCT DATE = 11/4/2011	DATE - 10/23/2011	REVISED -			ILLINOIS FED. AID PROJECT						

PART OF THE SOUTHEAST QUARTER OF SECTION 15, TWP. 40 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER 9 10 15 16 SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

GRAPHIC SCALE
FEET
0 30.60
SCALE: 1" = 30'

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 15, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED THIS _____ DAY OF _____ 20 ____ A.D. AT ROSEMONT, ILLINOIS

REBECCA Y. POPECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

SPACECO INC.
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

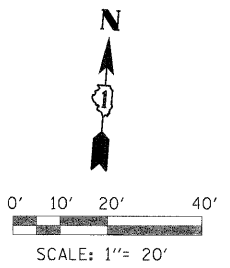
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 25/IL ROUTE 31
(NORTH OF IL ROUTE 64)

SECTION: AT RED GATE ROAD COUNTY: KANE
PROJECT JOB NO.: R-91-004-10
STATION TO STATION
SCALE: 1" = 30' SHEET 6 OF 6

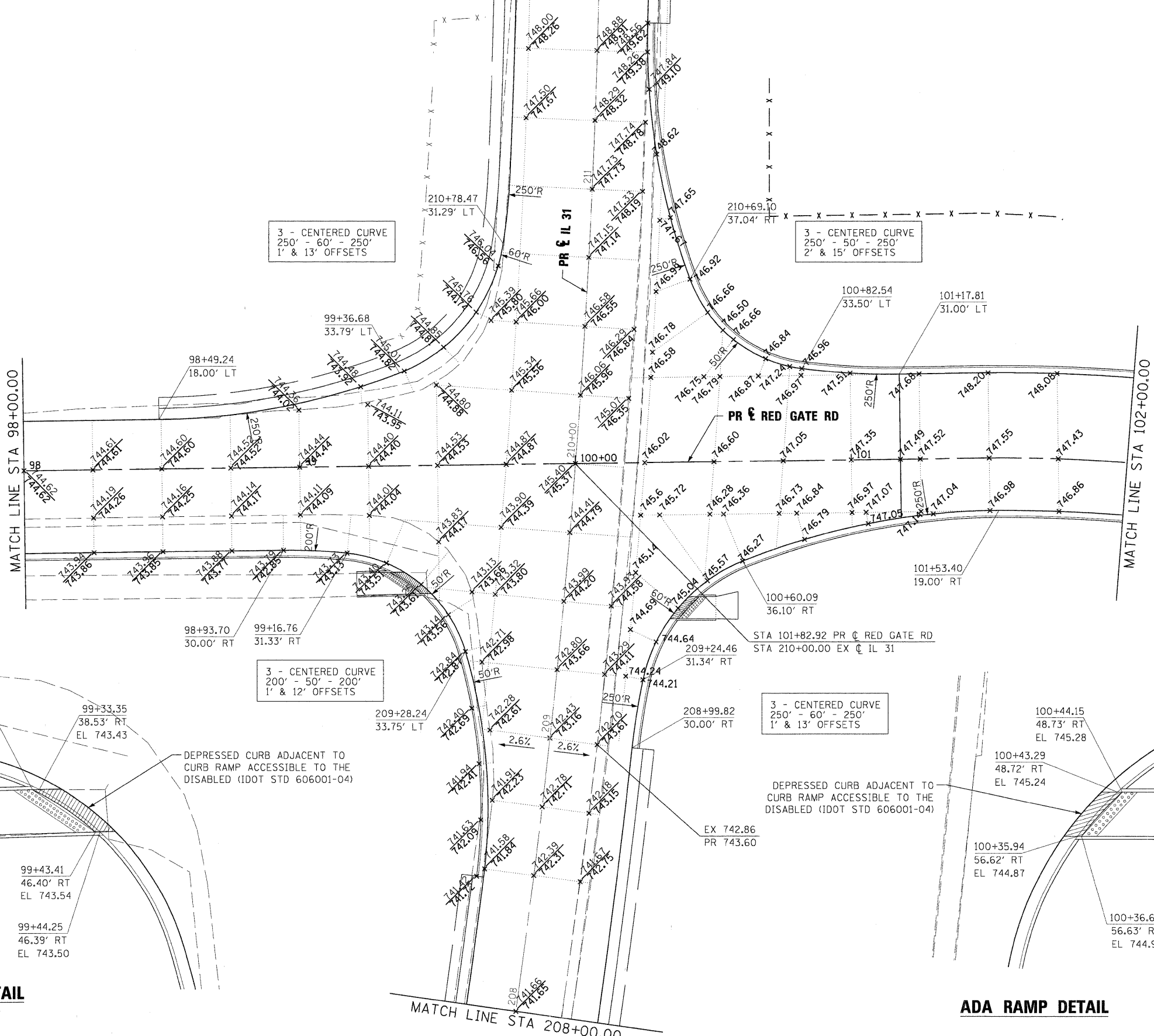
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

RECEIVED
APR 13 2010
PLATS & LEGALS

IL ROUTE 25/IL ROUTE 31 SECTION: AT RED GATE ROAD KANE COUNTY JOB NO.: R-91-004-10 REVISION: RECORDED ON



MATCH LINE STA 211+70.00



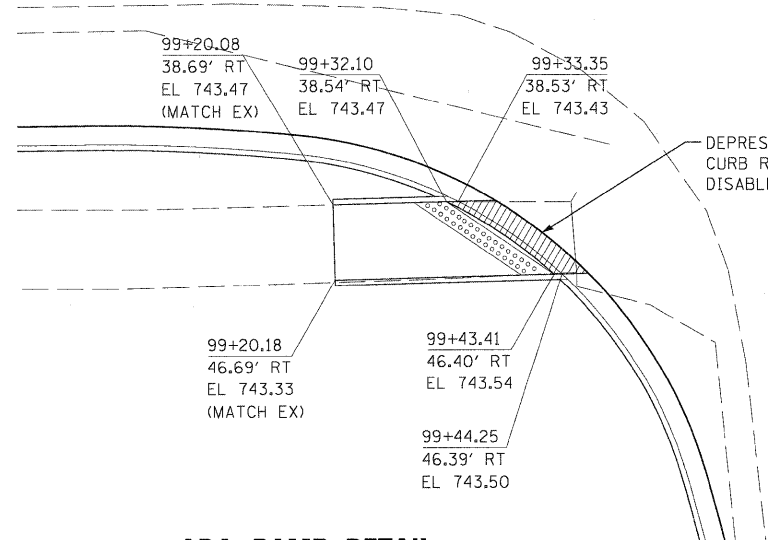
3 - CENTERED CURVE
250' - 60' - 250'
1' & 13' OFFSETS

3 - CENTERED CURVE
250' - 50' - 250'
2' & 15' OFFSETS

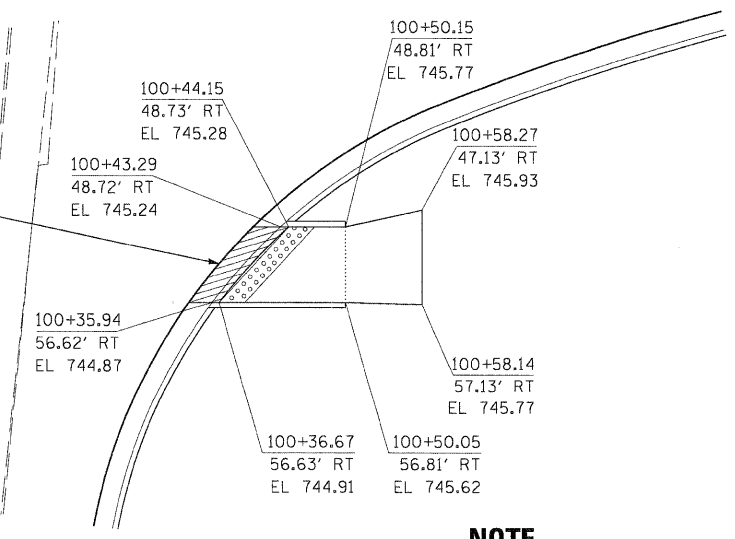
3 - CENTERED CURVE
200' - 50' - 200'
1' & 12' OFFSETS

3 - CENTERED CURVE
250' - 60' - 250'
1' & 13' OFFSETS

ADA RAMP DETAIL



ADA RAMP DETAIL



NOTE

1. CONTRACTOR TO USE STRAIGHT TILES
2. SIDE CURB SHALL BE INCLUDED IN THE COST OF THE SIDEWALK

PLOT SCALE: 1/2"= 20'
 FILE NAME: \\ppl\in-abc-shr-RedGate-IL31\IntDet.dgn
 USER NAME: mcoleman
 PLOT DATE: 11/10/2011

DESIGNED - MAC	REVISED -
DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -

FILE NAME =	DESIGNED - MAC	REVISED -
USER NAME = mcoleman	DRAWN - TMB	REVISED -
PLOT DATE = 11/10/2011	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

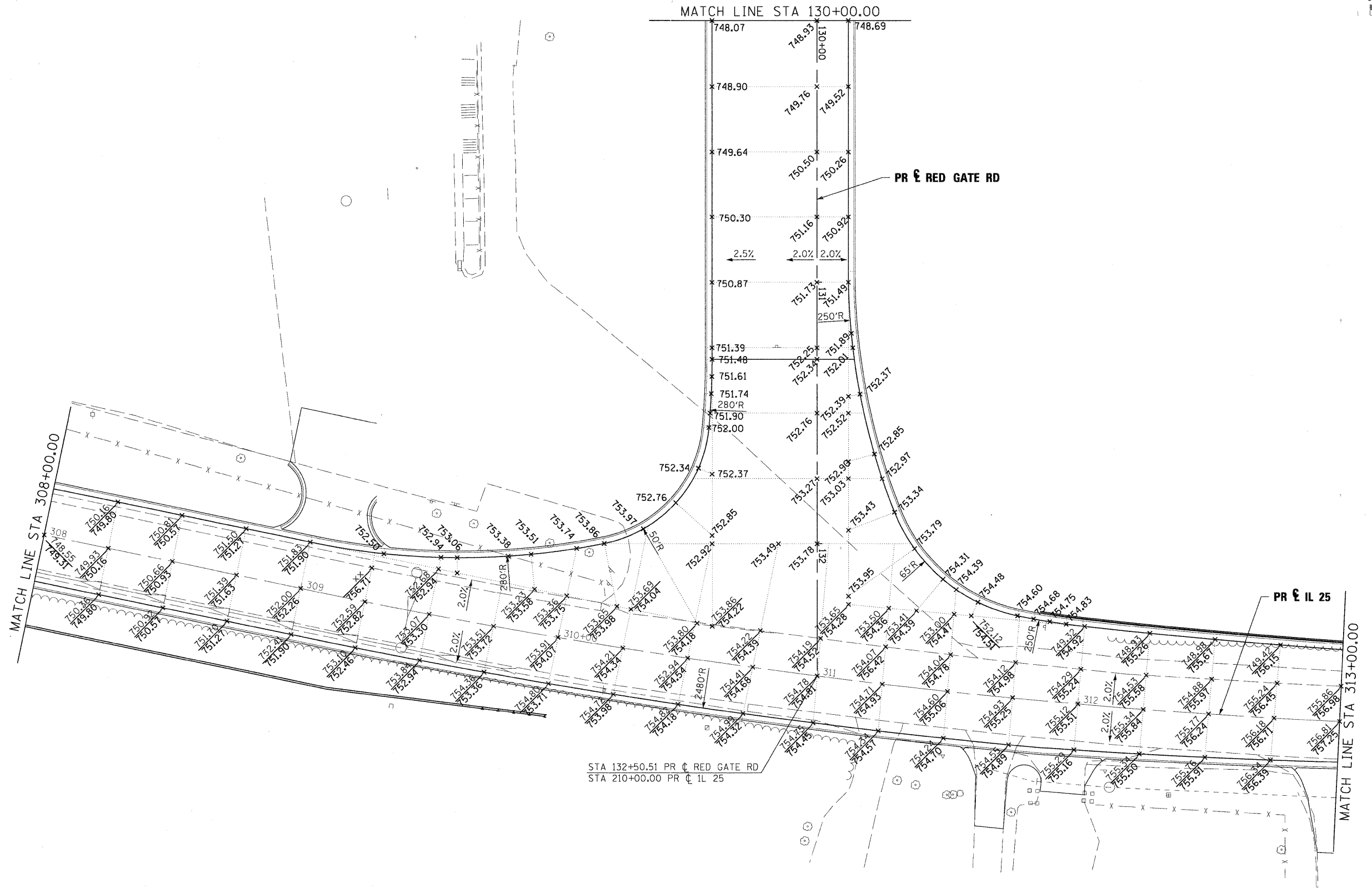
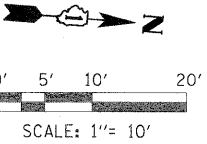


CITY OF ST. CHARLES

**INTERSECTION DETAILS
RED GATE ROAD / IL 31**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	159
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



STA 132+50.51 PR C RED GATE RD
 STA 210+00.00 PR C IL 25

PLOT DATE = 11/10/2011
 USER NAME = mcoleman
 ...\\prp\in-abc\sh-RedGate-IL25\inDet.dgn
 FILE NAME =
 ...\\prp\in-abc\sh-RedGate-IL25\inDet.dgn

DESIGNED - MAC	REVISED -
DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -

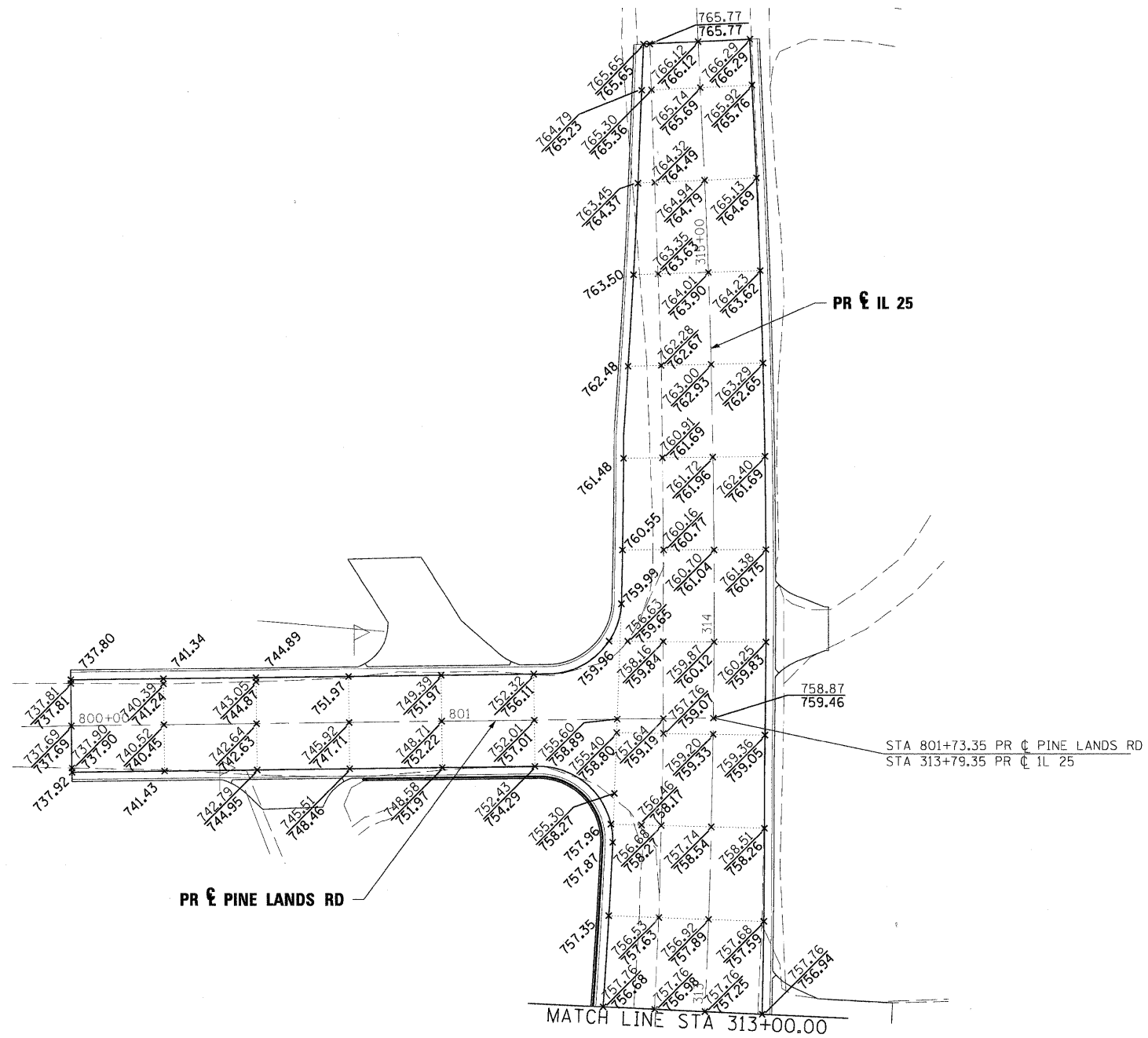
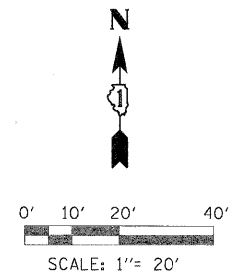


CITY OF ST. CHARLES

**INTERSECTION DETAILS
 RED GATE ROAD /IL 25**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	160
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



PLOT SCALE: 1"=20'
 P:\proj\11-ABC-shr-Pinelands-IL25\Drawings\11-ABC-shr-Pinelands-IL25.dwg
 USER: mcolem
 PLOT DATE: 11/10/2011

FILE NAME	DESIGNED - MAC	REVISED -
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USER NAME = mcolem	CHECKED - RMT	REVISED -
PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -

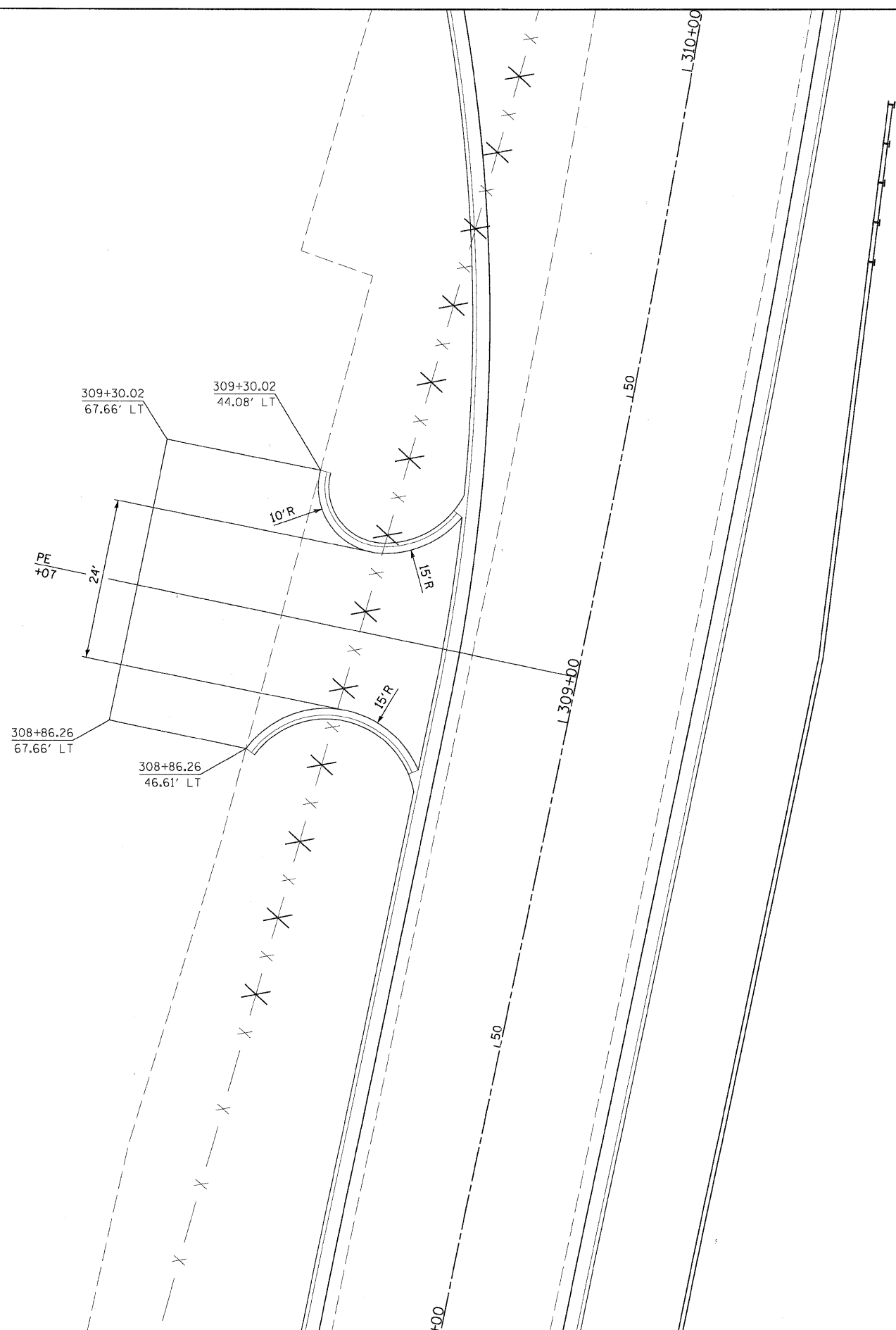
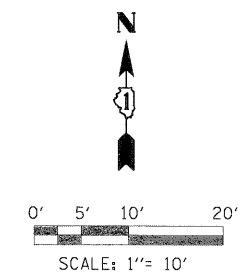


CITY OF ST. CHARLES

**INTERSECTION DETAILS
IL 25 / PINE LANDS ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	161
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



PLOT SCALE: 1"=10'
 X:\102025\102025\Local_Workspace\Print\PRINTTITLEBLOCK.tbl
 ...prpln-ABC-sh-RedGateDrwy-DeL.dgn
 USER NAME = mcoleman
 PLOT DATE = 11/10/2011

FILE NAME =	DESIGNED - MAC	REVISED -
...	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -

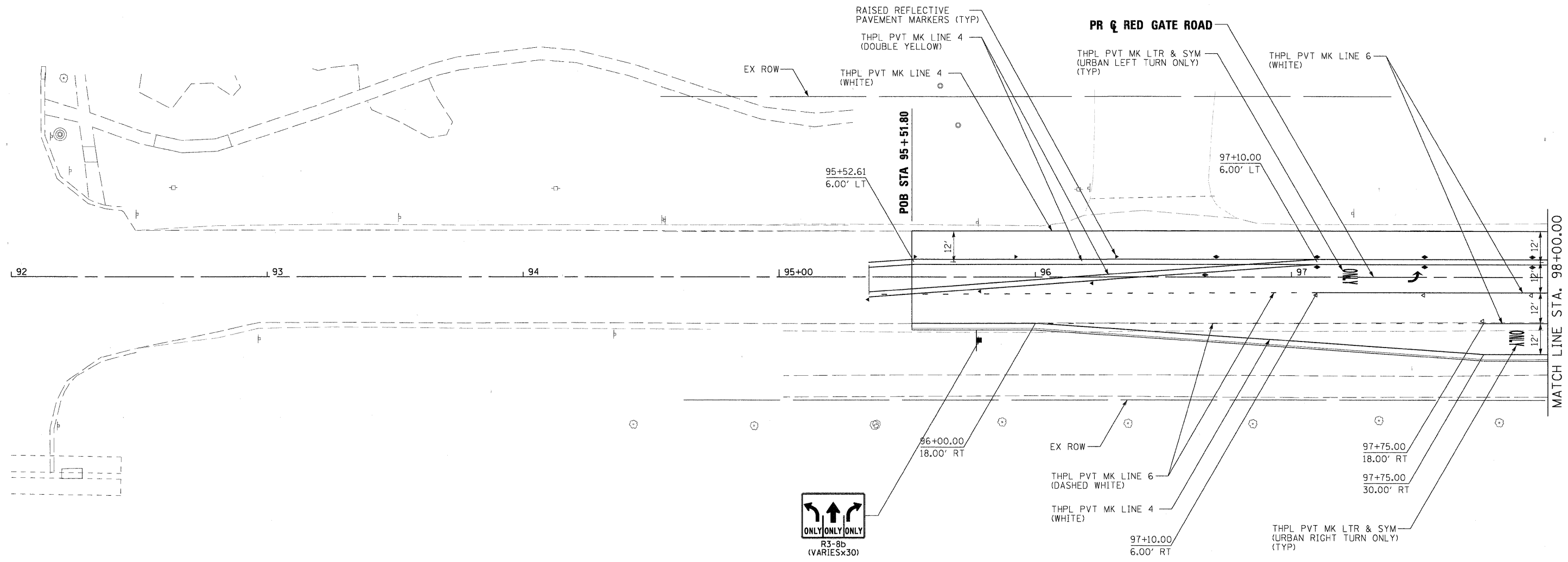
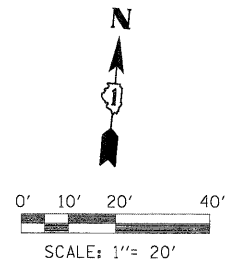


CITY OF ST. CHARLES

DRIVEWAY DETAIL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	162
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



PLOT SCALE: 1"=20'
 FILE NAME: \\prrpln-abc-sht-RedGate-pvtnkg-01.dgn
 USER NAME: tblank
 PLOT DATE: 11/21/2011

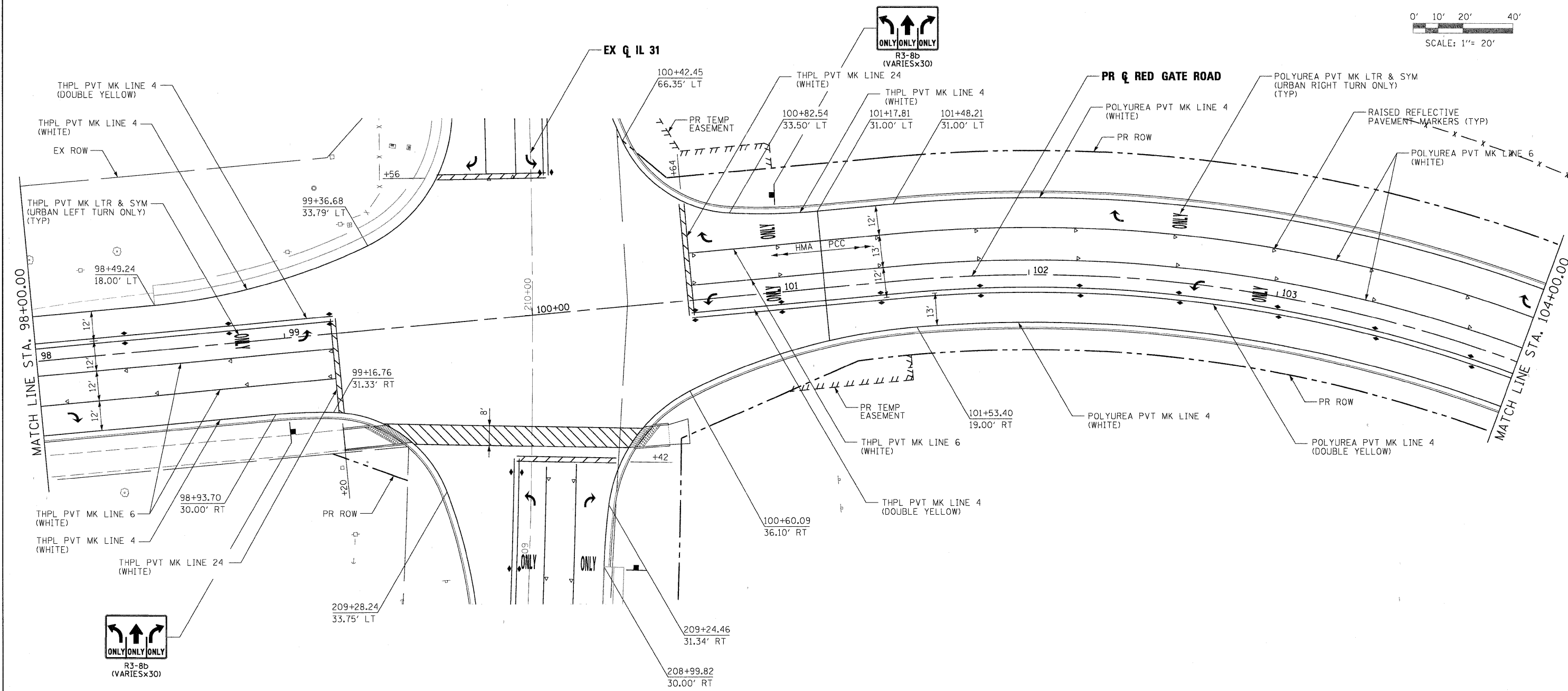
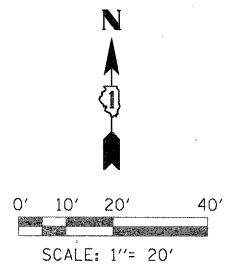
DESIGNED - MAC	REVISED -
DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING		
RED GATE ROAD		
SCALE: 1"=20'	SHEET NO. 1 OF 13 SHEETS	STA. BOP TO STA. 98+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	163
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



PLOT SCALE: 1"=20'
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 PLOT DATE = 11/21/2011

FILE NAME =	DESIGNED - MAC	REVISED -
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PLOT DATE = 11/21/2011	DATE - 10/23/2011	REVISED -

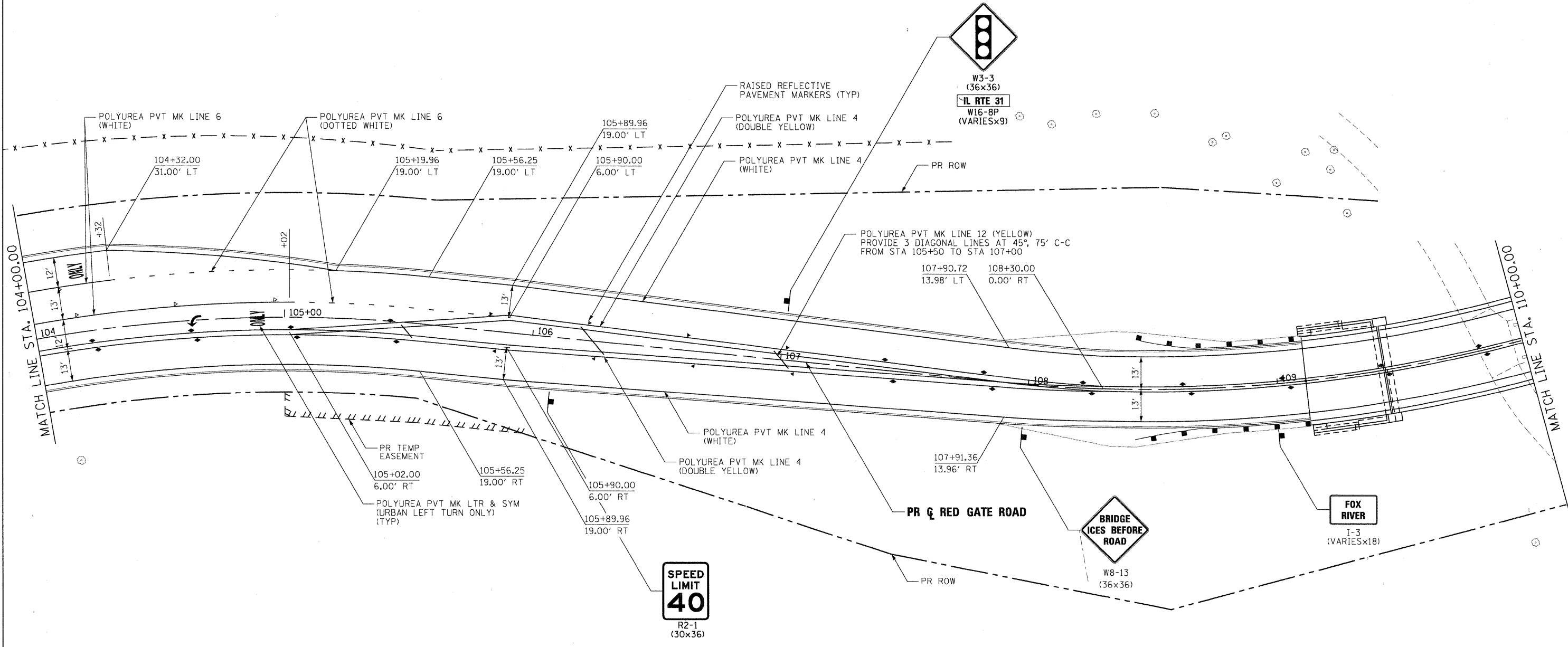
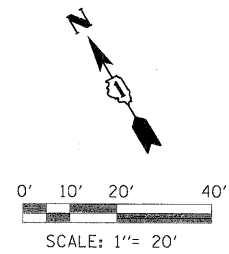


CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING
RED GATE ROAD

SCALE: 1"=20' SHEET NO. 2 OF 13 SHEETS STA. 98+00.00 TO STA. 104+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	164
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



PLOT DATE = 11/21/2011
 C:\Users\jmac\Documents\Projects\RedGate\RedGate.dwg
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 USER NAME = tblank
 PLOT DATE = 11/21/2011

FILE NAME =	DESIGNED - MAC	REVISED -
...prp1n-abc-ahtr-RedGate-pvtnkg-03.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 11/21/2011	DATE - 10/23/2011	REVISED -

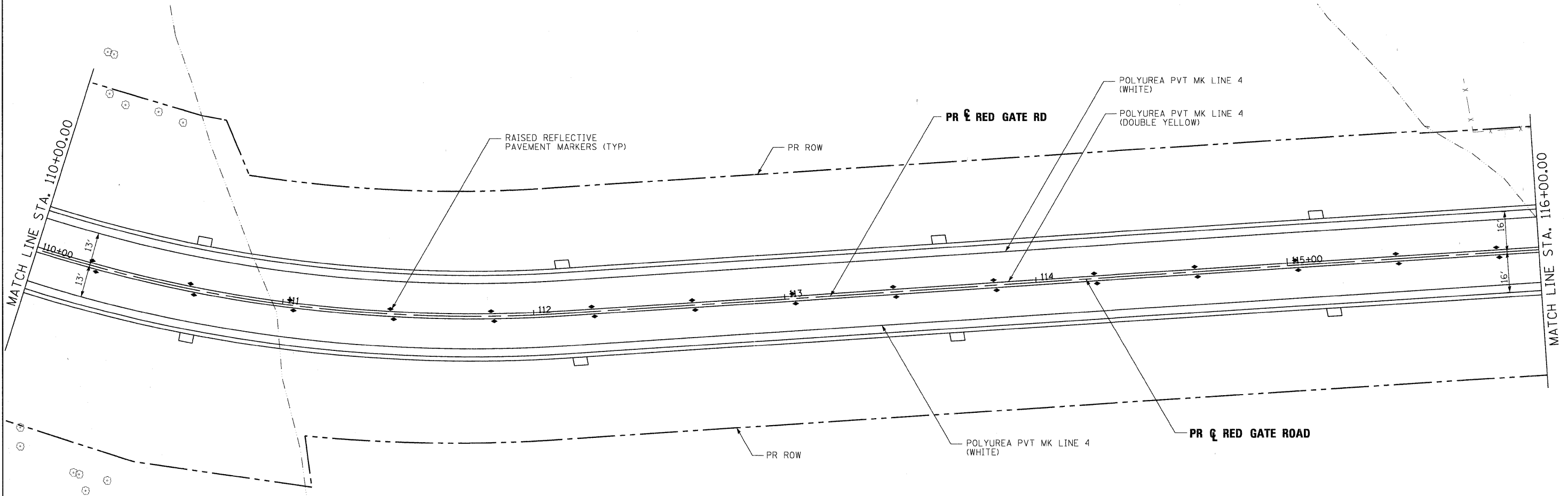
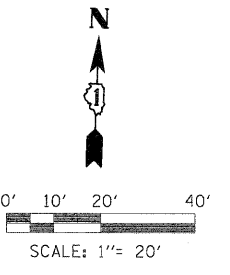


CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING
RED GATE ROAD

SCALE: 1"=20' SHEET NO. 3 OF 13 SHEETS STA. 104+00.00 TO STA. 110+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	165
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



PLOT SCALE: 1"=20'
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 PLOT DATE = 11/21/2011

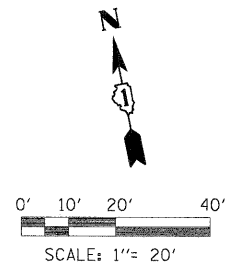
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...\\prp\In-ABC-shit-RedGate-pvtnkg-04.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 11/21/2011	DATE - 10/23/2011	REVISED -



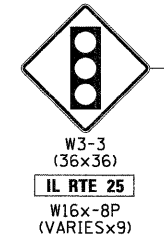
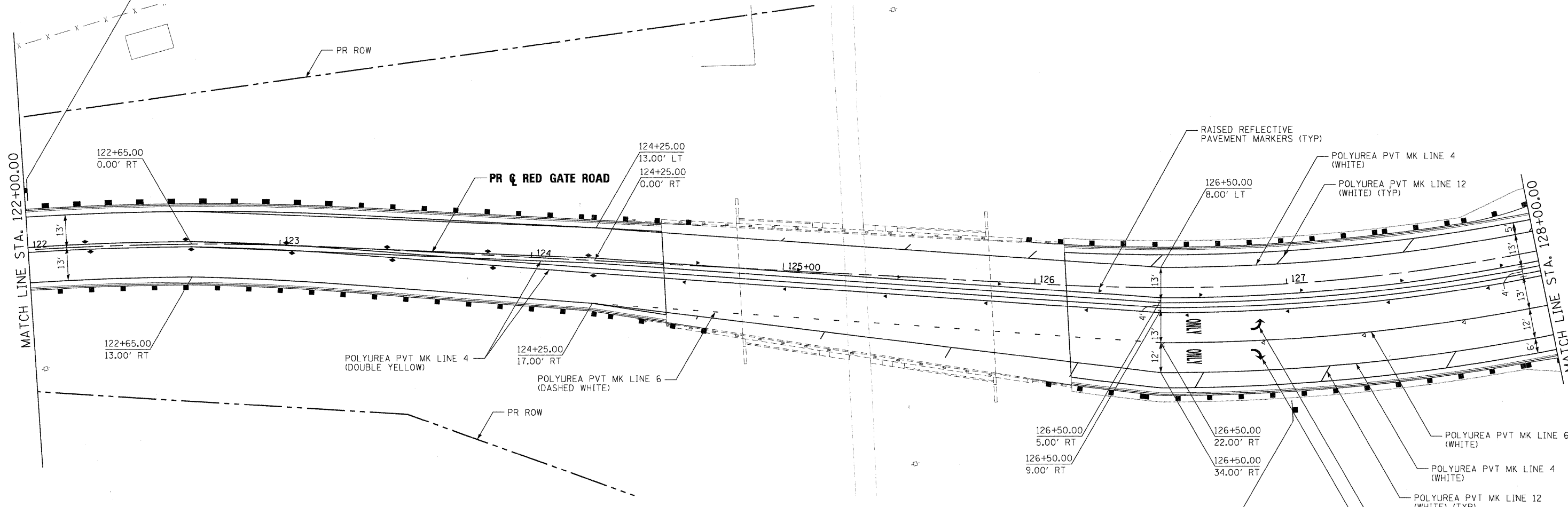
CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING RED GATE ROAD		
SCALE: 1"=20'	SHEET NO. 4 OF 13 SHEETS	STA. 110+00.00 TO STA. 116+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	166
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



W8-13
(36x36)



W3-3
(36x36)
IL RTE 25
W16x-8P
(VARIESx9)

P:\CT\04111_1_09\X:\10100205\10100205\Local\WorkSpace\Plot\DRW\Drawn\Plot\FV8 FULL SIZE.plt
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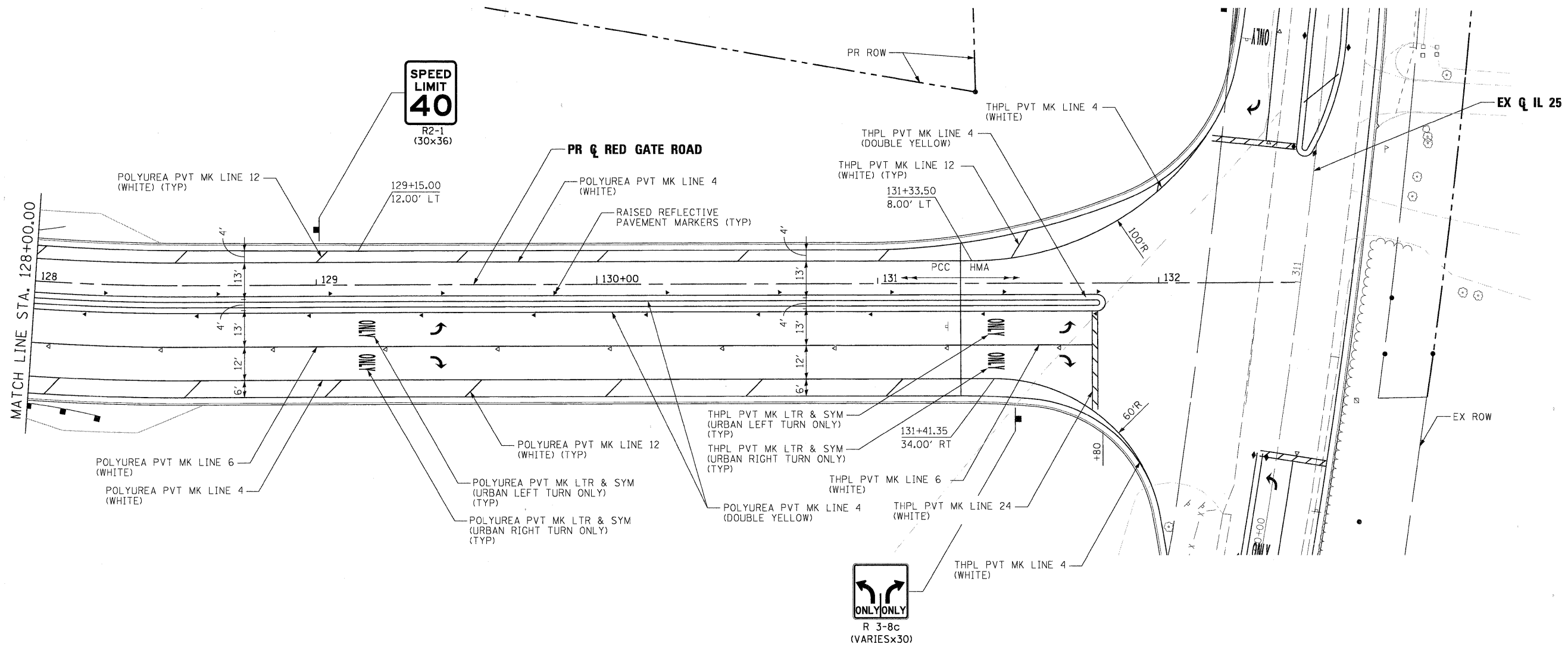
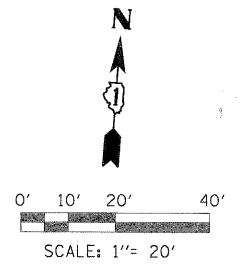
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PLOT DATE = 11/21/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING
RED GATE ROAD
SCALE: 1"=20' SHEET NO. 6 OF 13 SHEETS STA. 122+00.00 TO STA. 128+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	168
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



PLOT SCALE: 1"=20'
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 PLOT DATE = 11/21/2011

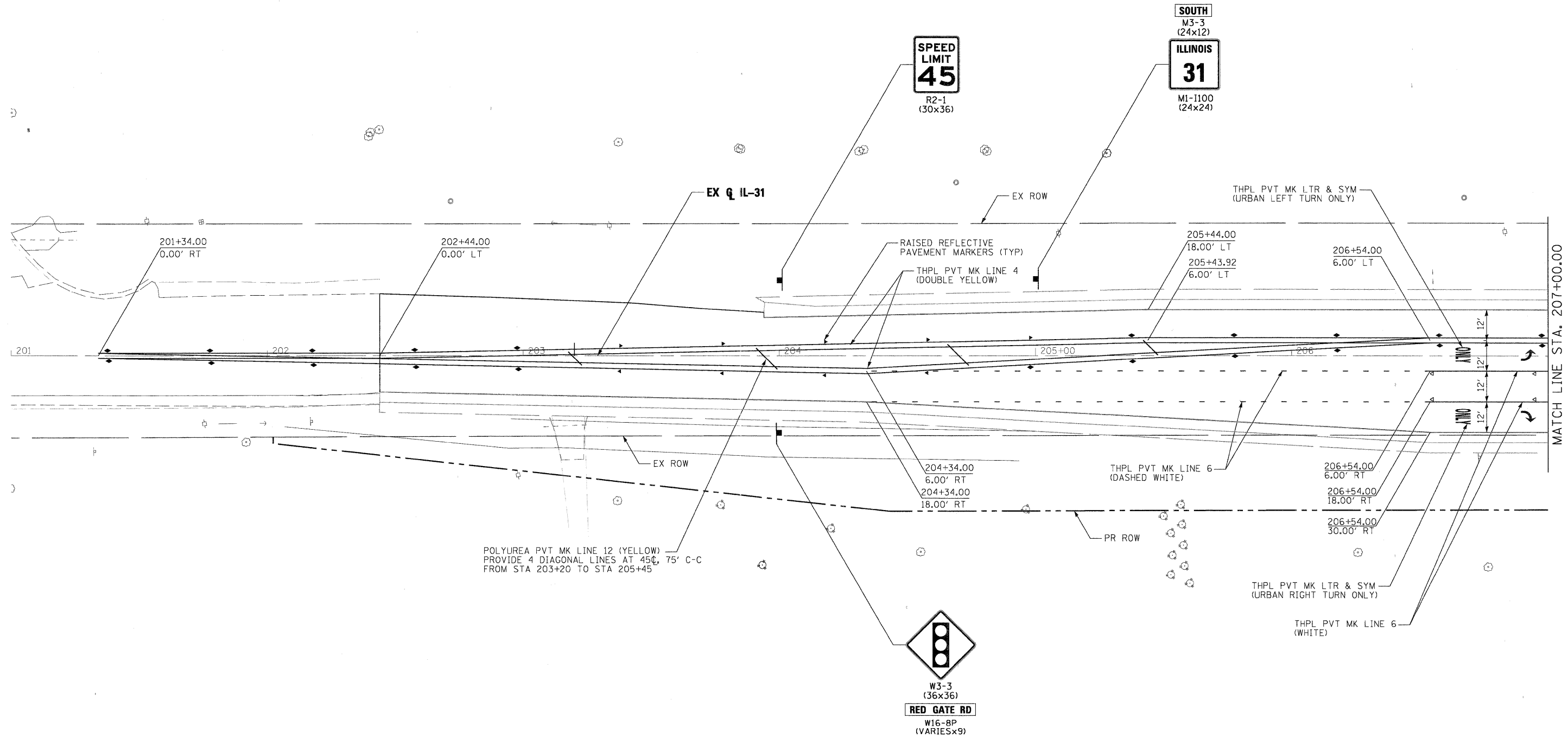
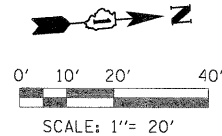
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PLOT DATE = 11/21/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING			
RED GATE ROAD			
SCALE: 1"=20'	SHEET NO. 7 OF 13 SHEETS	STA. 128+00.00 TO STA. EOP	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	169
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



NOTE
 1. CONTRACTOR TO REMOVE EXISTING SIGNS AND REPLACE WITH SIGNS SHOWN ON THIS SHEET

PLOT SCALE: 1"=20'
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 K:\2009\10\23\Local_Workspaces\PlotDRVA\TILE\LOCK.tbl

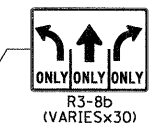
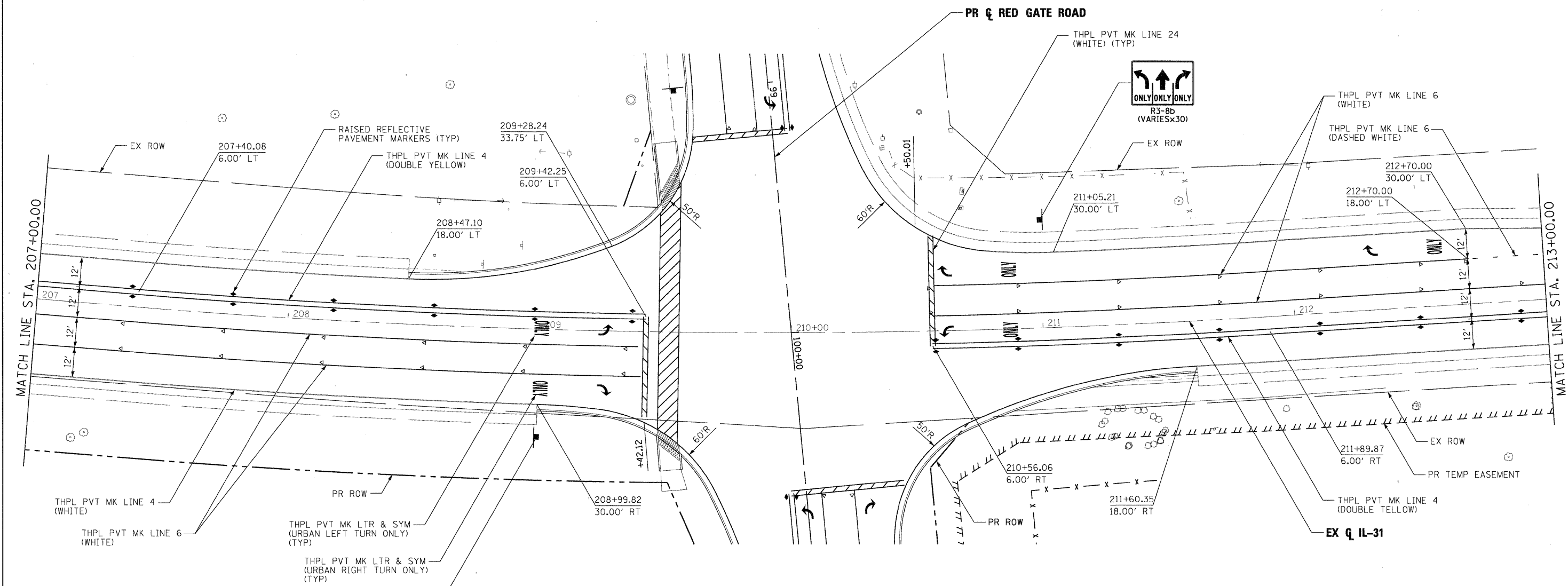
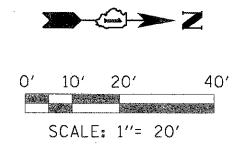
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USER NAME = tblank	CHECKED - RMT	REVISED -
PLOT DATE = 11/21/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING
IL 31
 SCALE: 1"=20' SHEET NO. 8 OF 13 SHEETS STA. BOP TO STA. 207+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	170
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



PLOT DATE = 11/21/2011
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 CHECKED - RMT
 DRAWN - TMB
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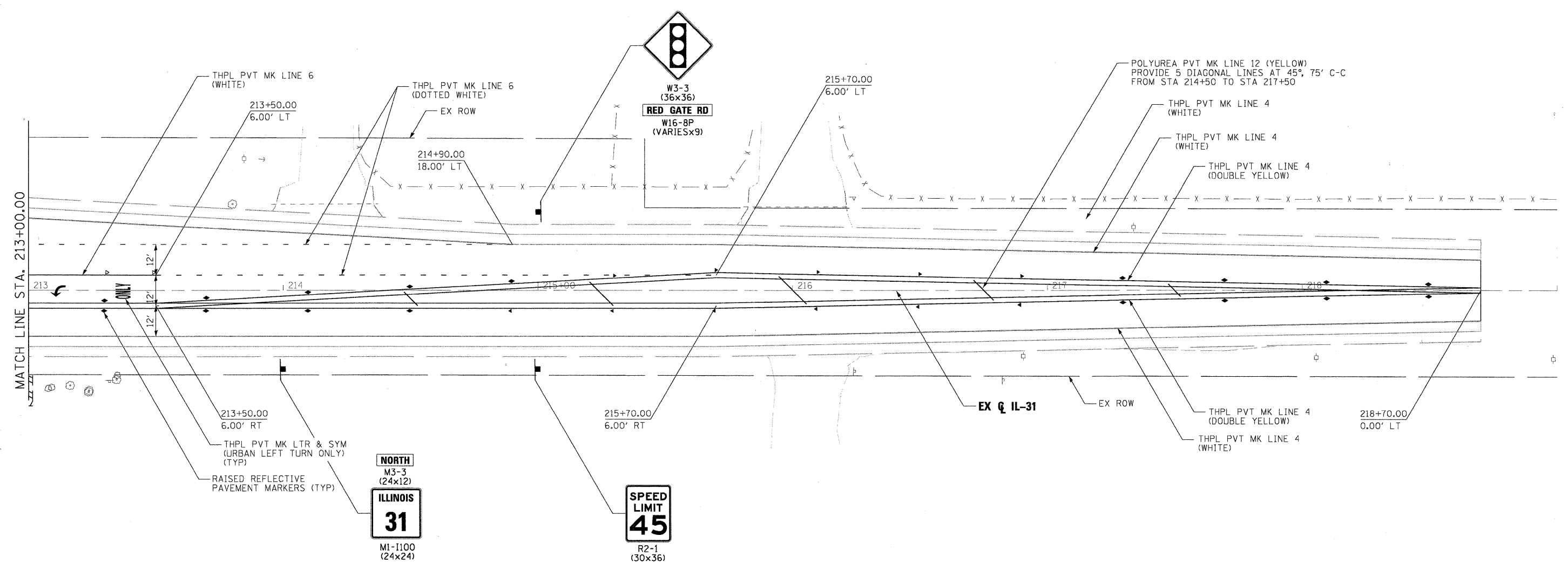
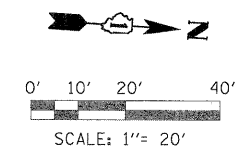
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PLOT DATE = 11/21/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING IL 31		
SCALE: 1"=20'	SHEET NO. 9 OF 13 SHEETS	STA. 207+00.00 TO STA. 213+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	171
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	



NOTE
 1. CONTRACTOR TO REMOVE EXISTING SIGNS AND REPLACE WITH SIGNS SHOWN ON THIS SHEET.

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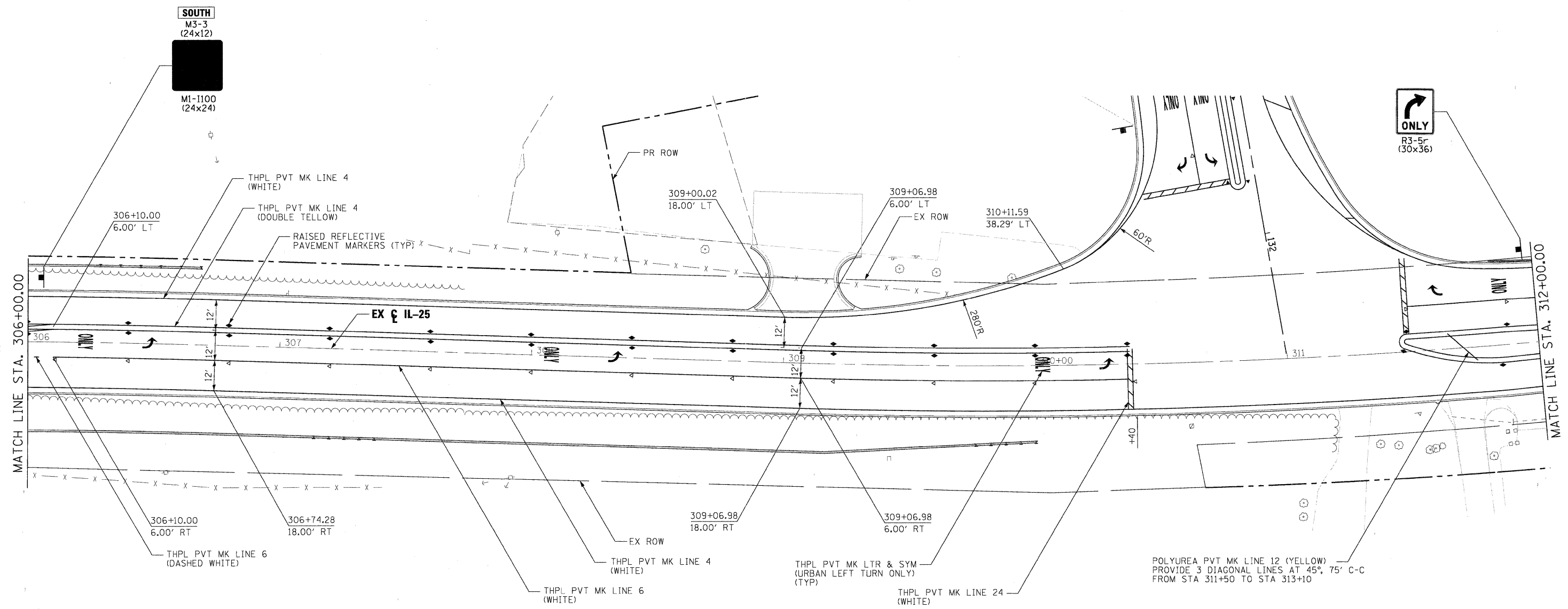
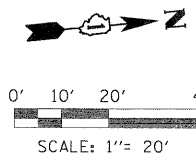
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DRAWN - TMB	REVISED -
CHECKED - RMT	REVISED -
DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING IL 31		
SCALE: 1"=20'	SHEET NO. 10 OF 13 SHEETS	STA. 213+00.00 TO STA. EOP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	172
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



PLOT DATE = 11/21/2011
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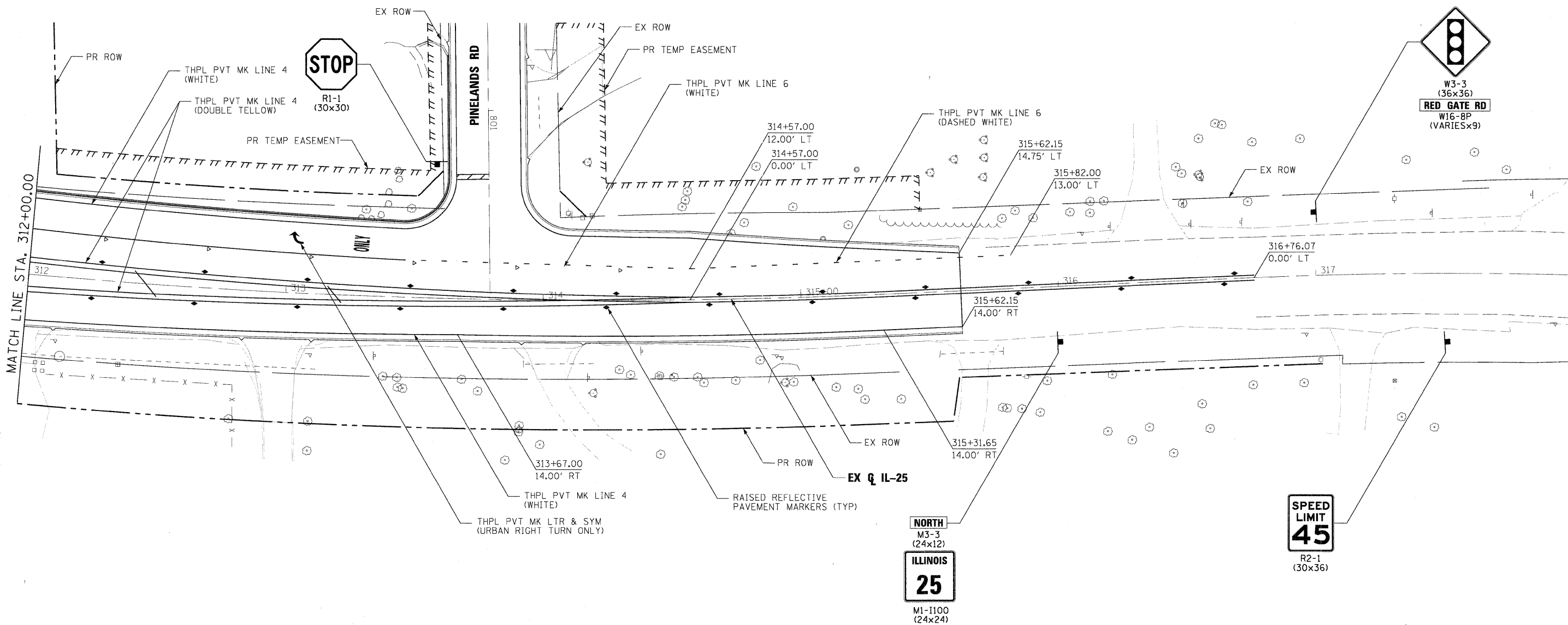
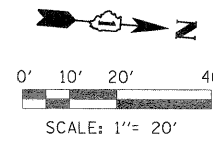


CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING
IL 25

SCALE: 1"=20' SHEET NO. 12 OF 13 SHEETS STA. 306+00.00 TO STA. 312+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	174
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	



PLOT SCALE: 1"=20'
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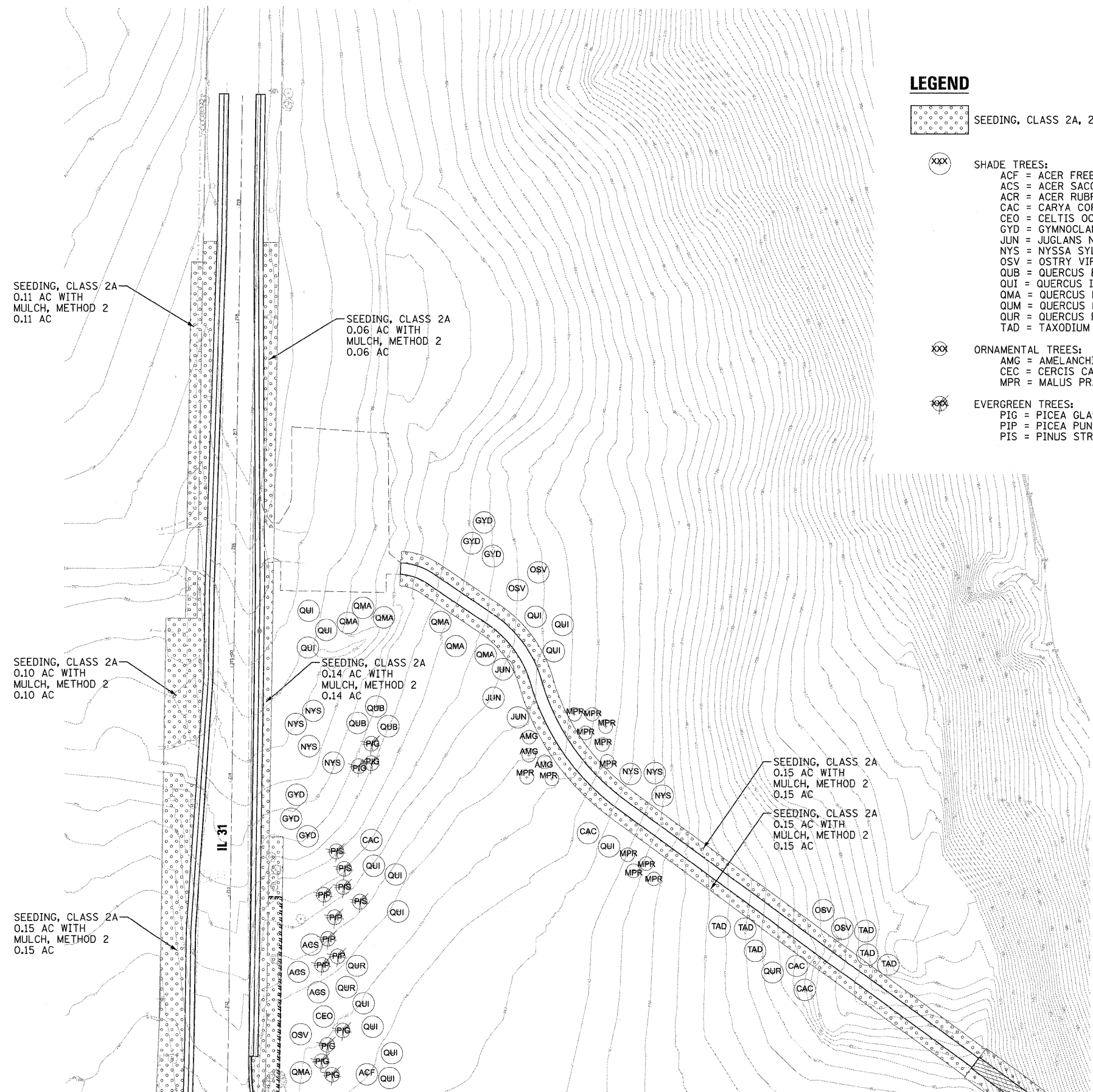
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PLCT DATE = 11/21/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

PAVEMENT MARKING AND SIGNING			
IL 25			
SCALE: 1"=20'	SHEET NO. 13 OF 13 SHEETS	STA. 312+00.00 TO STA.	EOP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	175
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				



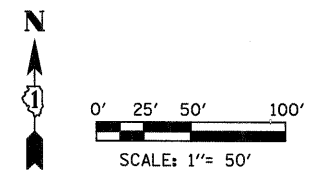
LEGEND

SEEDING, CLASS 2A, 25000210

SHADE TREES:
 ACF = ACER FREEMANII 'AUTUMN BLAZE', A2000120
 ACS = ACER SACCHARUM, A2001710
 ACR = ACER RUBRUM, A2001012
 CAC = CARYA CORDIFORMIS, A2002612
 CEO = CELTIS OCCIDENTALIS, A2002920
 GYD = GYMNOCLADUS DIOICUS, A2005020
 JUN = JUGLANS NIGRA, A2005110
 NYS = NYSSA SYLVATICA, A2005512
 OSV = OSTRY VIRGINIANA, A2005600
 QUB = QUERCUS BICOLOR, A2006520
 QUI = QUERCUS IMBRICARIA, A2006612
 QMA = QUERCUS MACROCARPA, A2006720
 QUM = QUERCUS MEHLENBERGII, A2006820
 QUR = QUERCUS RUBRA, A2007112
 TAD = TAXODIUM DISTICHUM, A2007620

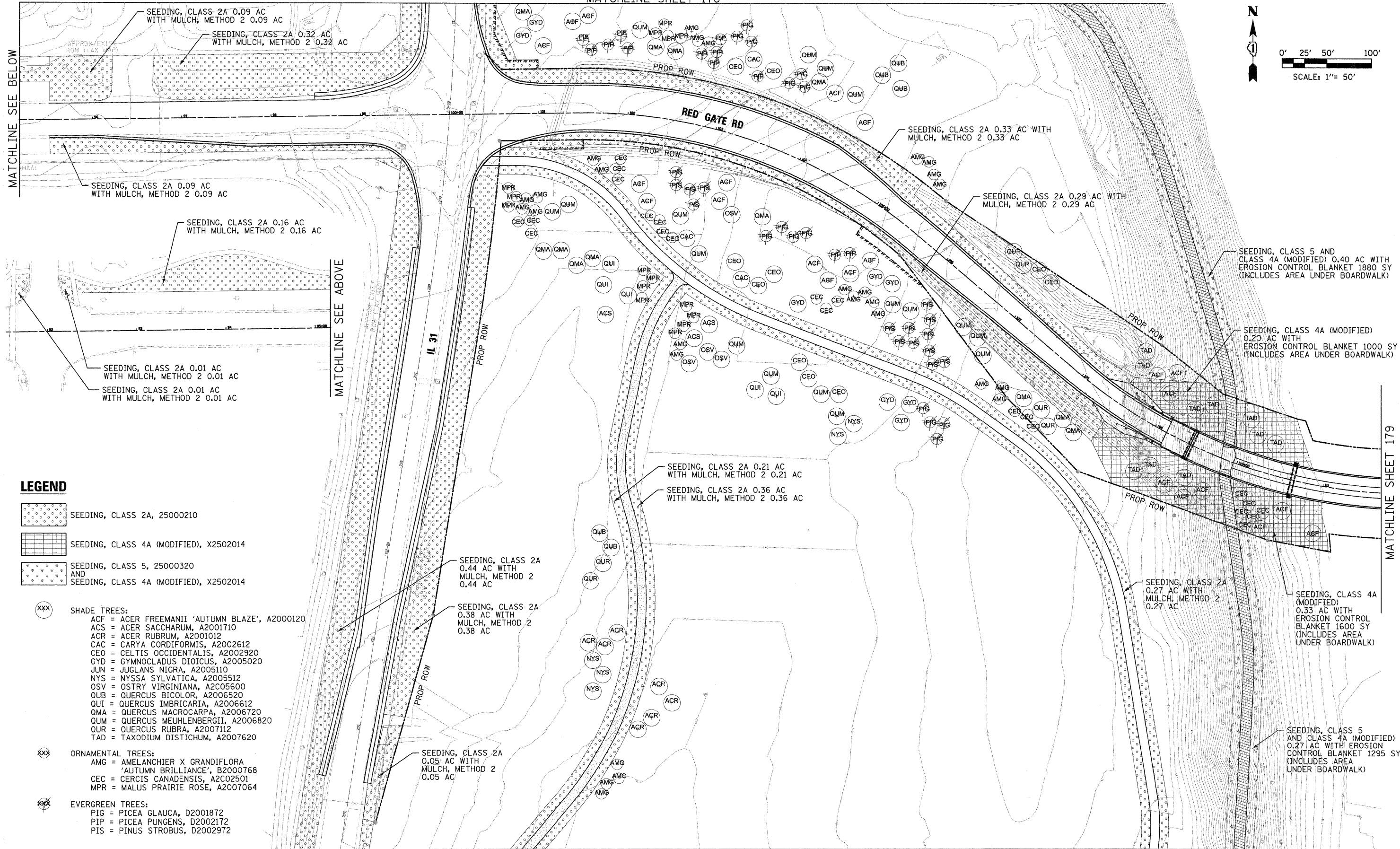
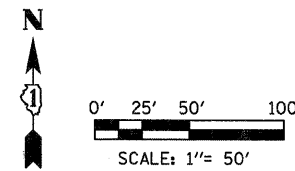
ORNAMENTAL TREES:
 AMG = AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE', B2000768
 CEC = CERCIS CANADENSIS, A2C02501
 MPR = MALUS PRAIRIE ROSE, A2007064

EVERGREEN TREES:
 PIG = PICEA GLAUCA, D2001872
 PIP = PICEA PUNGENS, D2002172
 PIS = PINUS STROBUS, D2002972



MATCHLINE SHEET 177

FILE NAME =	DESIGNED - BD/WS	REVISED	 225 W. OHIO ST., FOURTH FL. CHICAGO, IL 60654 (312)467-0123	CITY OF ST. CHARLES RED GATE ROAD LANDSCAPE PLAN - WEST BANK			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = TERRA	DRAWN - BD/JW/KC	REVISED -					04-00092-00-BR	KANE	440	176	
PLOT DATE = 11/8/2011	CHECKED - WS	REVISED -					CONTRACT NO. 63650				
	DATE - 10/24/2011	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT					



MATCHLINE SEE BELOW

MATCHLINE SEE ABOVE

MATCHLINE SHEET 179

LEGEND

- SEEDING, CLASS 2A, 25000210
- SEEDING, CLASS 4A (MODIFIED), X2502014
- SEEDING, CLASS 5, 25000320 AND SEEDING, CLASS 4A (MODIFIED), X2502014

- xxx SHADE TREES:
- ACF = ACER FREEMANII 'AUTUMN BLAZE', A2000120
 - ACS = ACER SACCHARUM, A2001710
 - ACR = ACER RUBRUM, A2001012
 - CAC = CARYA CORDIFORMIS, A2002612
 - CEO = CELTIS OCCIDENTALIS, A2002920
 - GYD = GYMNOCLADUS DIOICUS, A2005020
 - JUN = JUGLANS NIGRA, A2005110
 - NYS = NYSSA SYLVATICA, A2005512
 - OSV = OSTRY VIRGINIANA, A2005600
 - QUB = QUERCUS BICOLOR, A2006520
 - QUI = QUERCUS IMBRICARIA, A2006612
 - QMA = QUERCUS MACROCARPA, A2006720
 - QUM = QUERCUS MEULENBERGII, A2006820
 - QUR = QUERCUS RUBRA, A2007112
 - TAD = TAXODIUM DISTICHUM, A2007620

- xxx ORNAMENTAL TREES:
- AMG = AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE', B2000768
 - CEC = CERCIS CANADENSIS, A2002501
 - MPR = MALUS PRAIRIE ROSE, A2007064

- xxx EVERGREEN TREES:
- PIG = PICEA GLAUCA, D2001872
 - PIP = PICEA PUNGENS, D2002172
 - PIS = PINUS STROBUS, D2002972

FILE NAME =	DESIGNED - BD/WS	REVISED	 225 W. OHIO ST., FOURTH FL. CHICAGO, IL 60654 (312)467-0129	RED GATE ROAD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = TERRA	DRAWN - BD/JW/KC	REVISED -		CITY OF ST. CHARLES					04-00092-00-BR	KANE	440	177
PLOT DATE = 11/19/2011	CHECKED - WS	REVISED -	LANDSCAPE PLAN - WEST BANK				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 63650
	DATE - 10/24/2011	REVISED -										ILLINOIS FED. AID PROJECT

SEEDING, CLASS 2A
0.03 AC WITH
MULCH, METHOD 2
0.03 AC

SEEDING, CLASS 5
AND CLASS 4A (MODIFIED)
0.11 AC WITH
EROSION CONTROL BLANKET
526 SY
(INCLUDES AREA UNDER BOARDWALK)


SEEDING, CLASS 2A
0.06 AC WITH
MULCH, METHOD 2
0.06 AC


SEEDING, CLASS 2A 0.44 AC WITH
MULCH, METHOD 2 0.44 AC


SEEDING, CLASS 2A 0.42 AC WITH
MULCH, METHOD 2 0.42 AC


SEEDING, CLASS 2A 0.28 AC WITH
MULCH, METHOD 2 0.28 AC
(END SEEDING AT IL 31 STA. 192+80)


LEGEND

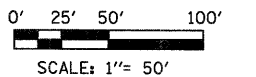
 SEEDING, CLASS 2A, 25000210

 SEEDING, CLASS 5, 25000320
AND
SEEDING, CLASS 4A (MODIFIED) X2502014

 ORNAMENTAL TREES:
AMG = AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE', B2000768
CEC = CERCIS CANADENSIS, A2C02501
MPR = MALUS PRAIRIE ROSE, A2007064

 EVERGREEN TREES:
PIG = PICEA GLAUCA, D2001872
PIP = PICEA PUNGENS, D2002172
PIS = PINUS STROBUS, D2002972

 SHADE TREES:
ACF = ACER FREEMANII 'AUTUMN BLAZE', A2000120
ACS = ACER SACCHARUM, A2001710
ACR = ACER RUBRUM, A2001012
CAC = CARYA CORDIFORMIS, A2002612
CEO = CELTIS OCCIDENTALIS, A2002920
GYD = GYMNOCLADUS DIOICUS, A2005020
JUN = JUGLANS NIGRA, A2005110
NYS = NYSSA SYLVATICA, A2005512
OSV = OSTRY VIRGINIANA, A2C05600
QUB = QUERCUS BICOLOR, A2006520
QUI = QUERCUS IMBRICARIA, A2006612
QMA = QUERCUS MACROCARPA, A2006720
QUM = QUERCUS MEHLENBERGII, A2006820
QUR = QUERCUS RUBRA, A2007112
TAD = TAXODIUM DISTICHUM, A2007620



FILE NAME =	DESIGNED - BD/WS	REVISED
USER NAME = TERRA	DRAWN - BD/JW/KC	REVISED -
PLOT DATE = 11/9/2011	CHECKED - WS	REVISED -
	DATE - 10/24/2011	REVISED -



CITY OF ST. CHARLES

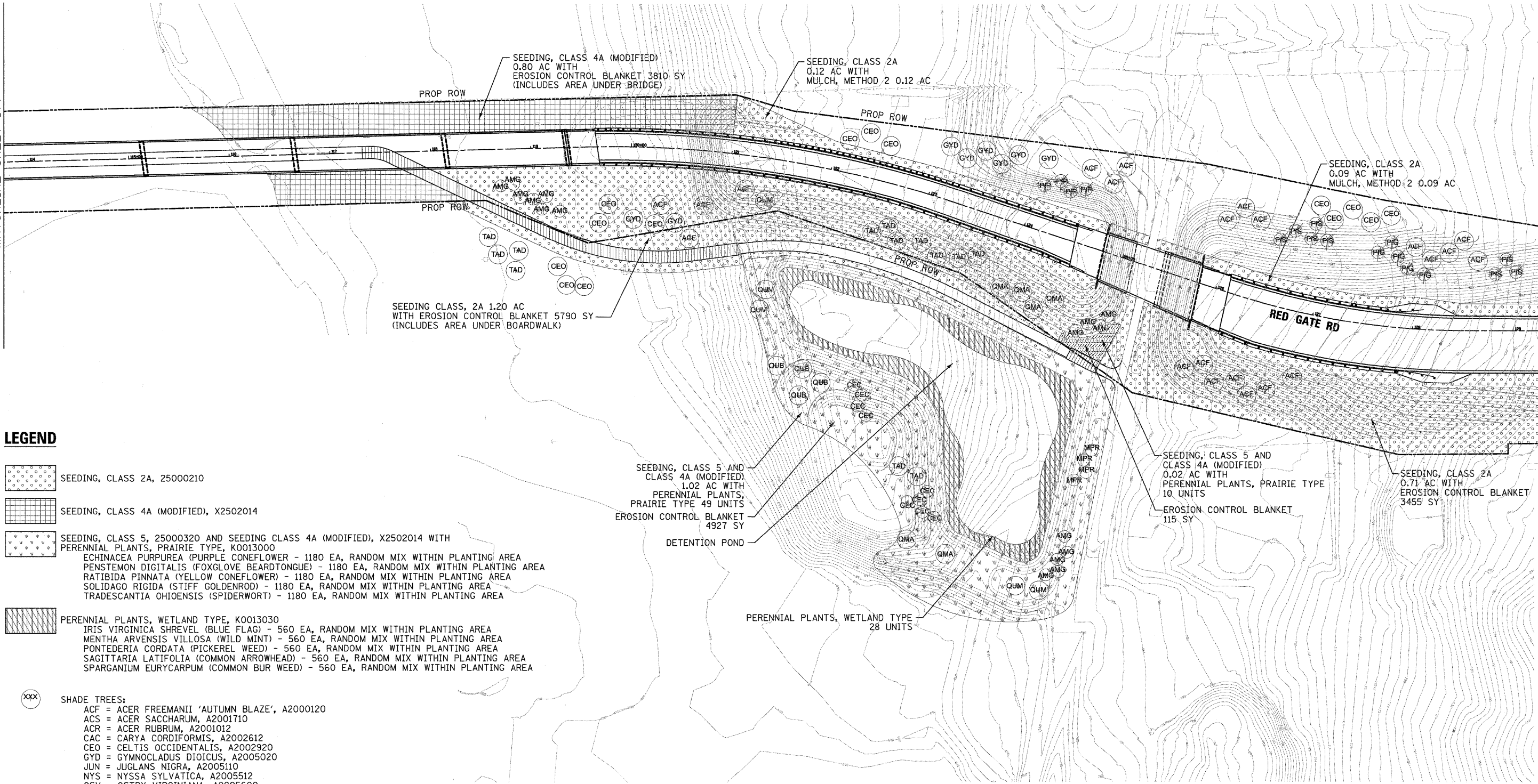
**RED GATE ROAD
LANDSCAPE PLAN - WEST BANK**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	178
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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MATCHLINE SHEET 177

MATCHLINE SHEET 180



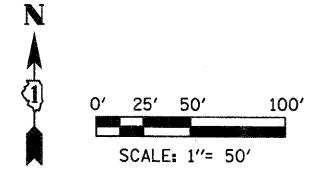
LEGEND

- SEEDING, CLASS 2A, 25000210
- SEEDING, CLASS 4A (MODIFIED), X2502014
- SEEDING, CLASS 5, 25000320 AND SEEDING CLASS 4A (MODIFIED), X2502014 WITH PERENNIAL PLANTS, PRAIRIE TYPE, K0013000
ECHINACEA PURPUREA (PURPLE CONEFLOWER) - 1180 EA, RANDOM MIX WITHIN PLANTING AREA
PENSTEMON DIGITALIS (FOXGLOVE BEARDTONGUE) - 1180 EA, RANDOM MIX WITHIN PLANTING AREA
RATIBIDA PINNATA (YELLOW CONEFLOWER) - 1180 EA, RANDOM MIX WITHIN PLANTING AREA
SOLIDAGO RIGIDA (STIFF GOLDENROD) - 1180 EA, RANDOM MIX WITHIN PLANTING AREA
TRADESCANTIA OHIOENSIS (SPIDERWORT) - 1180 EA, RANDOM MIX WITHIN PLANTING AREA
- PERENNIAL PLANTS, WETLAND TYPE, K0013030
IRIS VIRGINICA SHREVEL (BLUE FLAG) - 560 EA, RANDOM MIX WITHIN PLANTING AREA
MENTHA ARVENSIS VILLOSA (WILD MINT) - 560 EA, RANDOM MIX WITHIN PLANTING AREA
PONTERDERIA CORDATA (PICKEREL WEED) - 560 EA, RANDOM MIX WITHIN PLANTING AREA
SAGITTARIA LATIFOLIA (COMMON ARROWHEAD) - 560 EA, RANDOM MIX WITHIN PLANTING AREA
SPARGANIUM EURYCARPUM (COMMON BUR WEED) - 560 EA, RANDOM MIX WITHIN PLANTING AREA

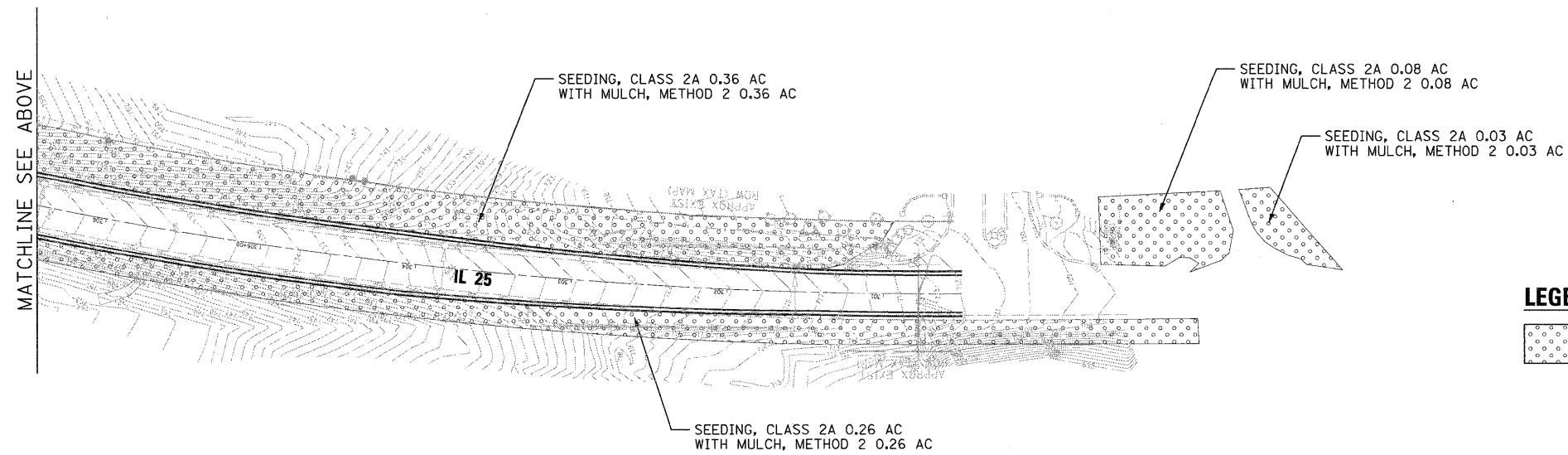
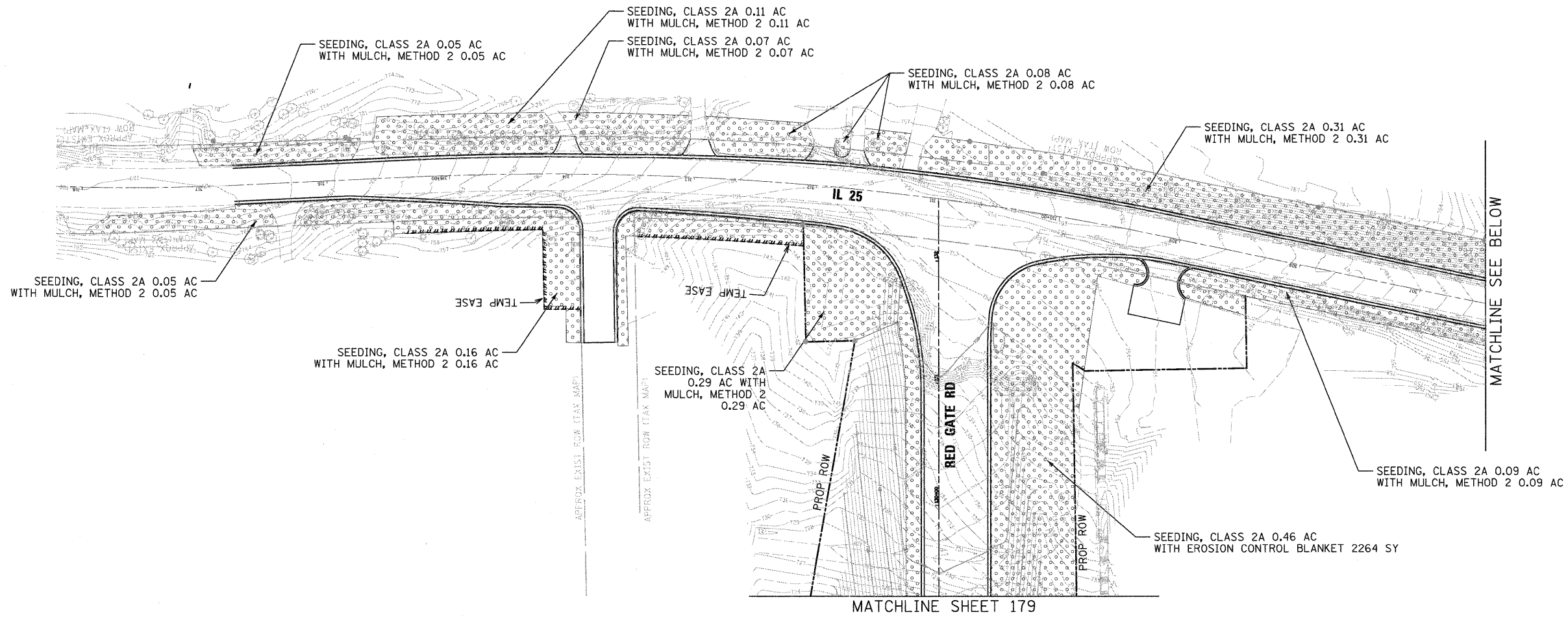
- SHADE TREES:
ACF = ACER FREEMANII 'AUTUMN BLAZE', A2000120
ACS = ACER SACCHARUM, A2001710
ACR = ACER RUBRUM, A2001012
CAC = CARYA CORDIFORMIS, A2002612
CEO = CELTIS OCCIDENTALIS, A2002920
GYD = GYMNOCLADUS DIOICUS, A2005020
JUN = JUGLANS NIGRA, A2005110
NYS = NYSSA SYLVATICA, A2005512
OSV = OSTRY VIRGINIANA, A2005600
QUB = QUERCUS BICOLOR, A2006520
QUI = QUERCUS IMBRICARIA, A2006612
QMA = QUERCUS MACROCARPA, A2006720
QUM = QUERCUS MEUHLBERGII, A2006820
QUR = QUERCUS RUBRA, A2007112
TAD = TAXODIUM DISTICHUM, A2007620

- ORNAMENTAL TREES:
AMG = AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE', B2000768
CEC = CERCIS CANADENSIS, A2002501
MPR = MALUS PRAIRIE ROSE, A2007064


- EVERGREEN TREES:
PIG = PICEA GLAUCA, D2001872
PIP = PICEA PUNGENS, D2002172
PIS = PINUS STROBUS, D2002972

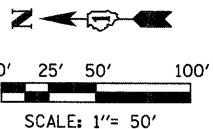


FILE NAME =	DESIGNED - BD/WS	REVISED		CITY OF ST. CHARLES	RED GATE ROAD LANDSCAPE PLAN - EAST BANK	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = TERRA	DRAWN - BD/JW/KC	REVISED -				04-00092-00-BR	KANE	440	179	
PLOT DATE = 11/9/2011	CHECKED - WS	REVISED -	225 W. OHIO ST., FOURTH FL. CHICAGO, IL 60654 (312)467-0123	SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 63650		
	DATE - 10/24/2011	REVISED -						ILLINOIS FED. AID PROJECT		

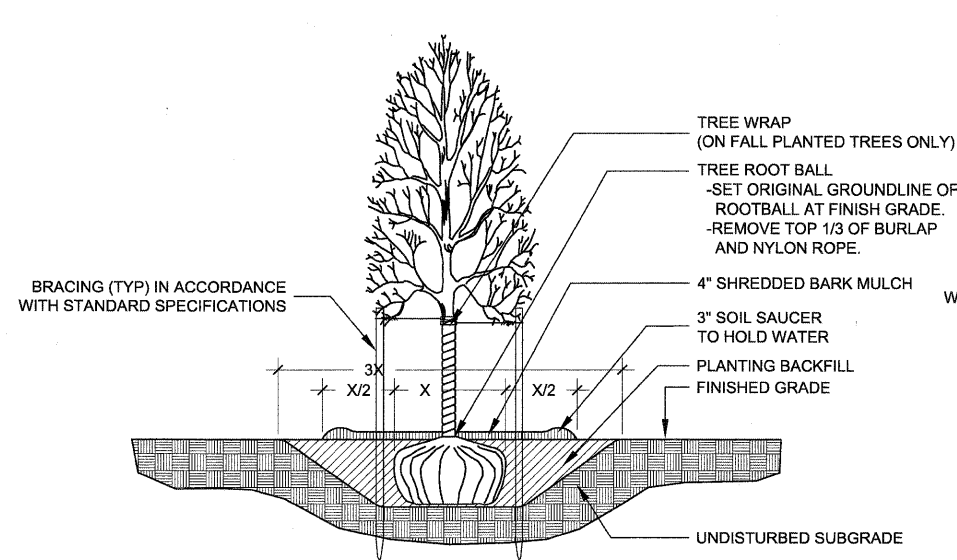


LEGEND

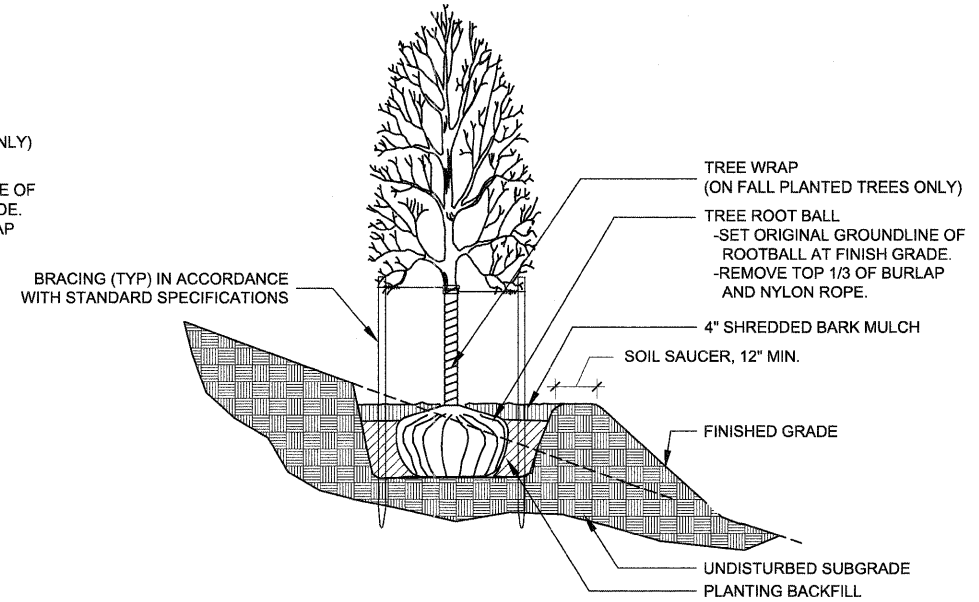
 SEEDING, CLASS 2A, 25000210



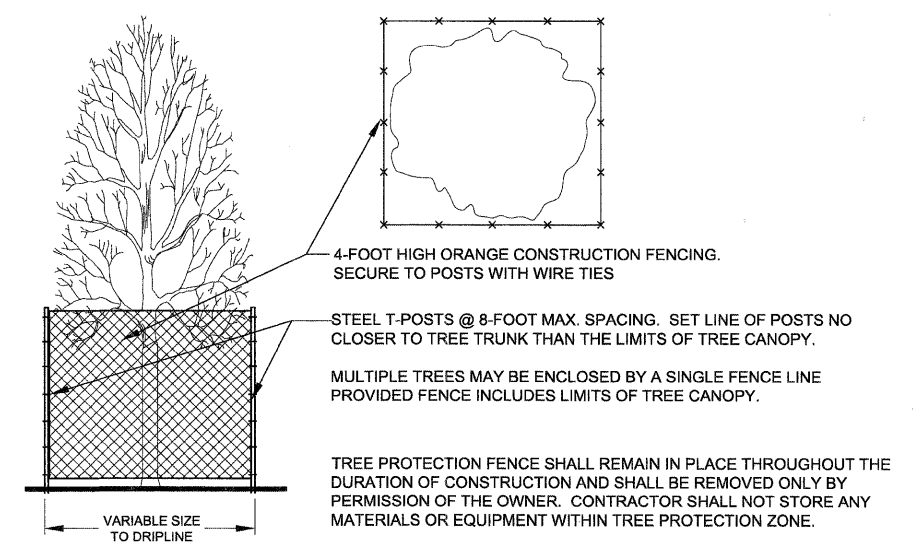
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USER NAME = TERRA	DRAWN - BD/JW/KC	REVISED -					<p align="center">LANDSCAPE PLAN - EAST BANK</p>			04-00092-00-BR	KANE	440	180	
PLCT DATE = 11/8/2011	CHECKED - WS	REVISED -		<p>SCALE: SHEET NO. OF SHEETS STA. TO STA.</p>			<p align="center">CONTRACT NO. 63650</p>			ILLINOIS FED. AID PROJECT				
	DATE - 10/24/2011	REVISED -												



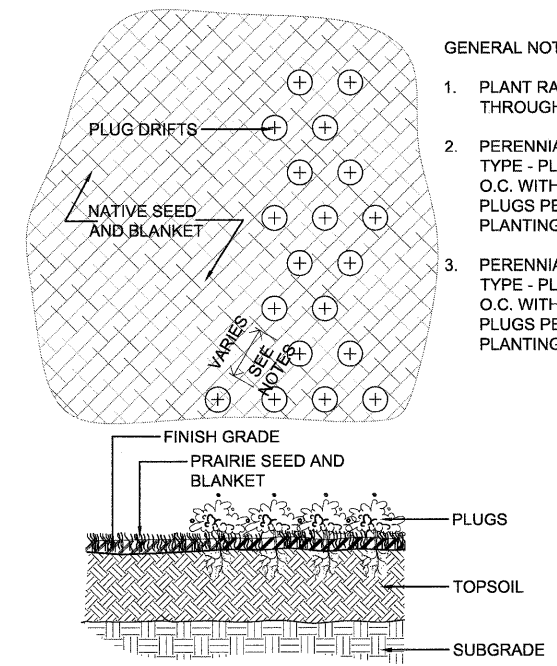
1 SHADE TREE PLANTING DETAIL
NTS



2 SHADE TREE SLOPE PLANTING DETAIL
NTS

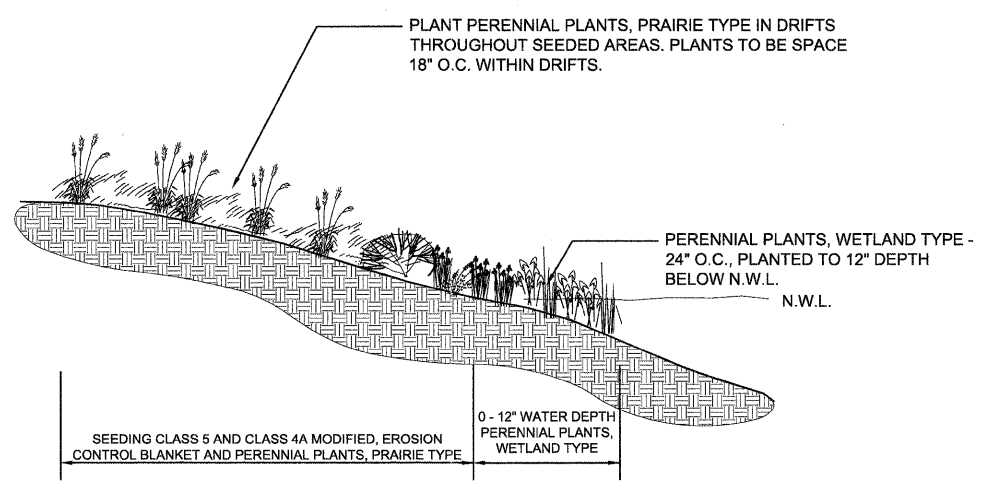


3 TREE PROTECTION DETAIL
NTS



- GENERAL NOTES:
1. PLANT RANDOM MIX OF PLUGS THROUGHOUT PLANTING AREAS
 2. PERENNIAL PLANTS, PRAIRIE TYPE - PLANT IN DRIFTS AT 18" O.C. WITH A MINIMUM OF 100 PLUGS PER DRIFT THROUGHOUT PLANTING AREA
 3. PERENNIAL PLANTS, WETLAND TYPE - PLANT IN DRIFTS AT 24" O.C. WITH A MINIMUM OF 100 PLUGS PER DRIFT THROUGHOUT PLANTING AREA

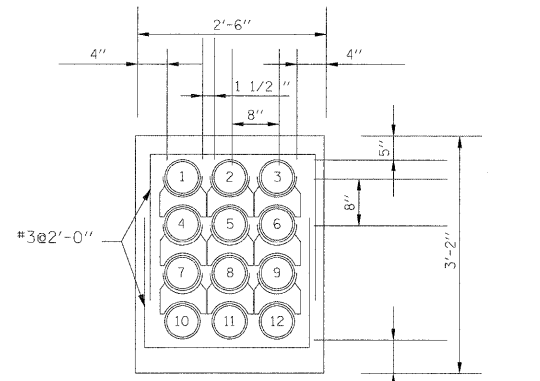
4 PLUG PLANTING
NTS



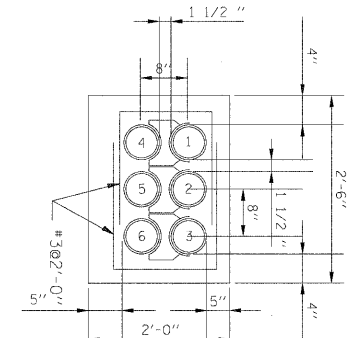
5 VEGETATED SHORELINE SECTION
SCALE: 1/4" = 1'-0"

FILE NAME =	DESIGNED - TL/WS	REVISED -	<p>225 W. OHIO ST., FOURTH FL. CHICAGO, IL 60654 (312)467-0123</p>	CITY OF ST. CHARLES	RED GATE ROAD PLANTING DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME =	DRAWN - TL/BD	REVISED -				04-00092-00-BR	KANE	440	181	
PLOT DATE =	CHECKED - WS	REVISED -				CONTRACT NO. 63650				
	DATE - 10/24/2011	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE: VARIES						STA.	TO STA.			

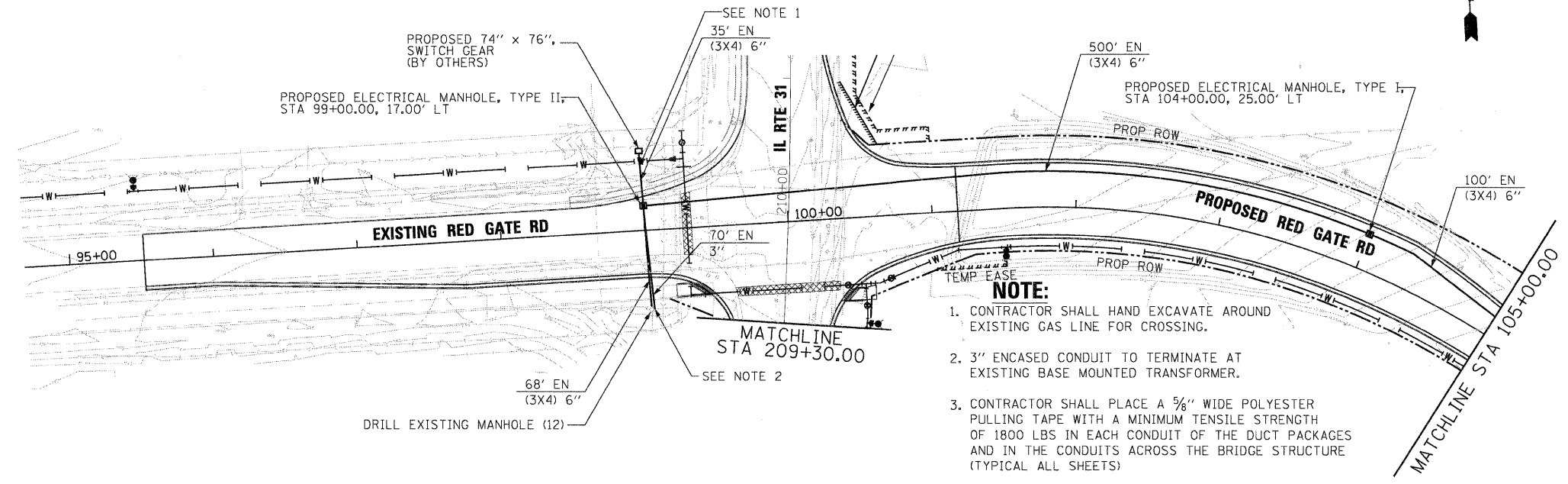
DATE	
BY	
PLANNED	
DESIGNED	
DRAWN	
CHECKED	
DATE	



3 X 4 ELECTRICAL DUCT BANK

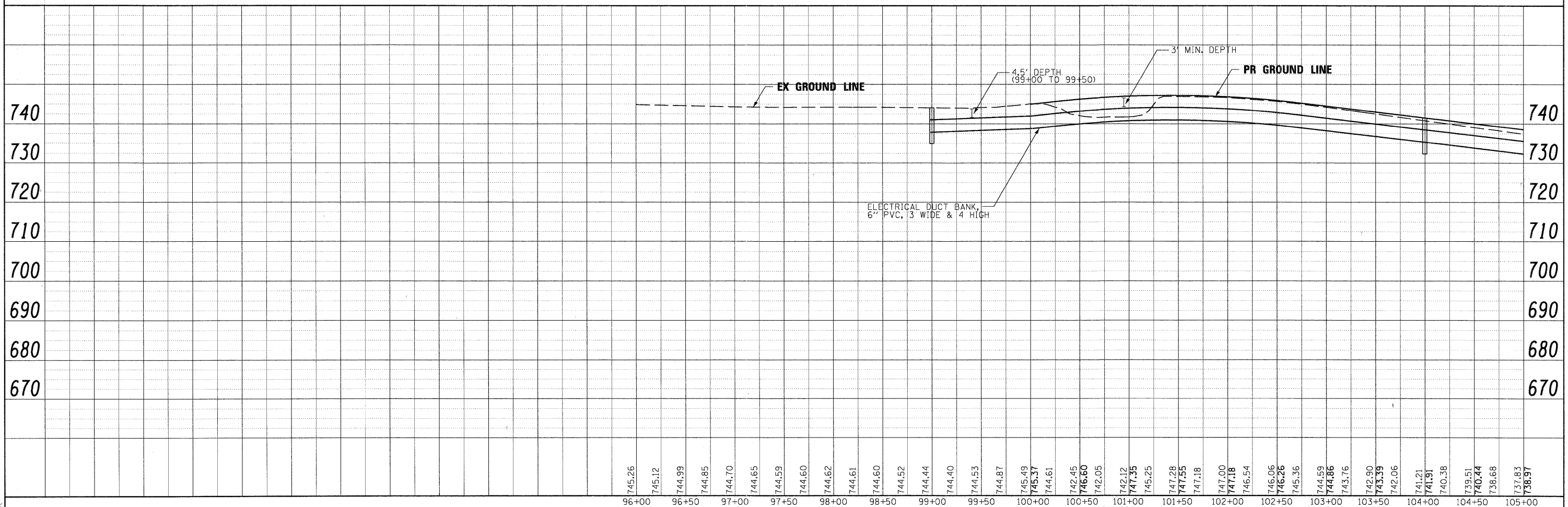


3 X 2 ELECTRICAL DUCT BANK



- NOTE:**
- CONTRACTOR SHALL HAND EXCAVATE AROUND EXISTING GAS LINE FOR CROSSING.
 - 3" ENCASED CONDUIT TO TERMINATE AT EXISTING BASE MOUNTED TRANSFORMER.
 - CONTRACTOR SHALL PLACE A 5/8" WIDE POLYESTER PULLING TAPE WITH A MINIMUM TENSILE STRENGTH OF 1800 LBS IN EACH CONDUIT OF THE DUCT PACKAGES AND IN THE CONDUITS ACROSS THE BRIDGE STRUCTURE (TYPICAL ALL SHEETS)
 - CONTRACTOR SHALL HAND DIG AROUND ALL EXISTING UTILITIES
 - FOR WATERMAIN DEPTHS AND LOCATIONS, SEE PROPOSED WATERMAIN PLANS.

DATE	
BY	
PLANNED	
DESIGNED	
DRAWN	
CHECKED	
DATE	



PLOT SCALE: 1"=50'
 FILE: 11/23/2011
 USER: tblank

FILE NAME =	DESIGNED - BC	REVISED -
...RedGate_5001st_PP_1.dgn	DRAWN - BC	REVISED -
USER NAME = tblank	CHECKED - MPM	REVISED -
PLOT DATE = 11/23/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

ELECTRICAL DISTRIBUTION PLAN & PROFILE
RED GATE ROAD

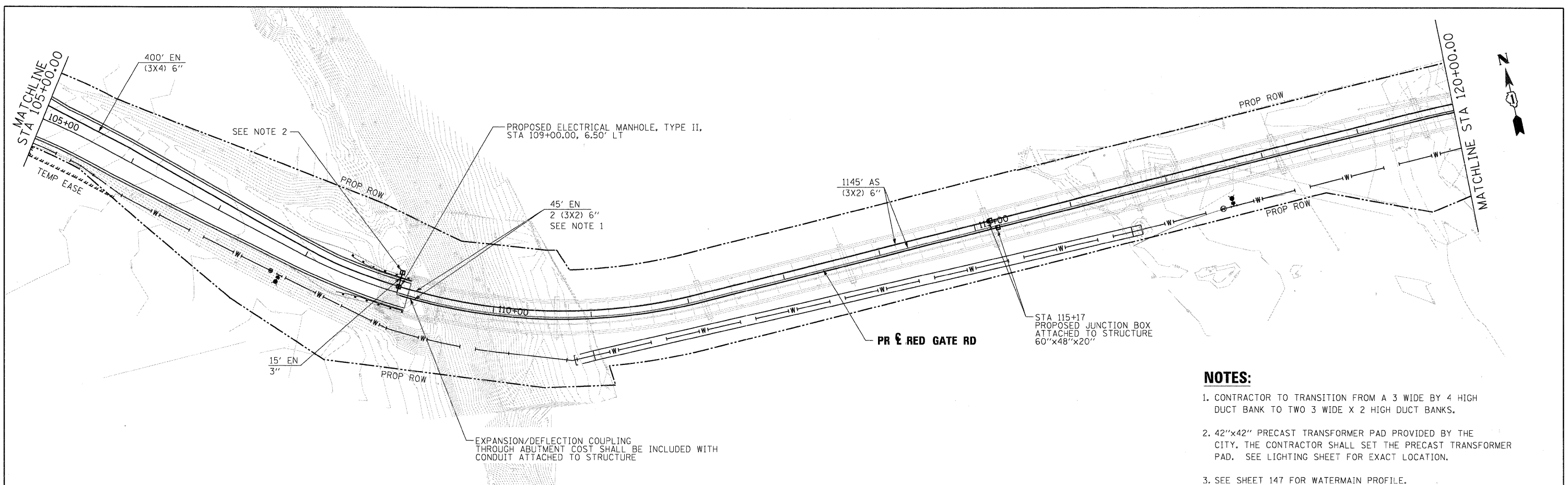
SCALE: 1"=50' SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	182
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

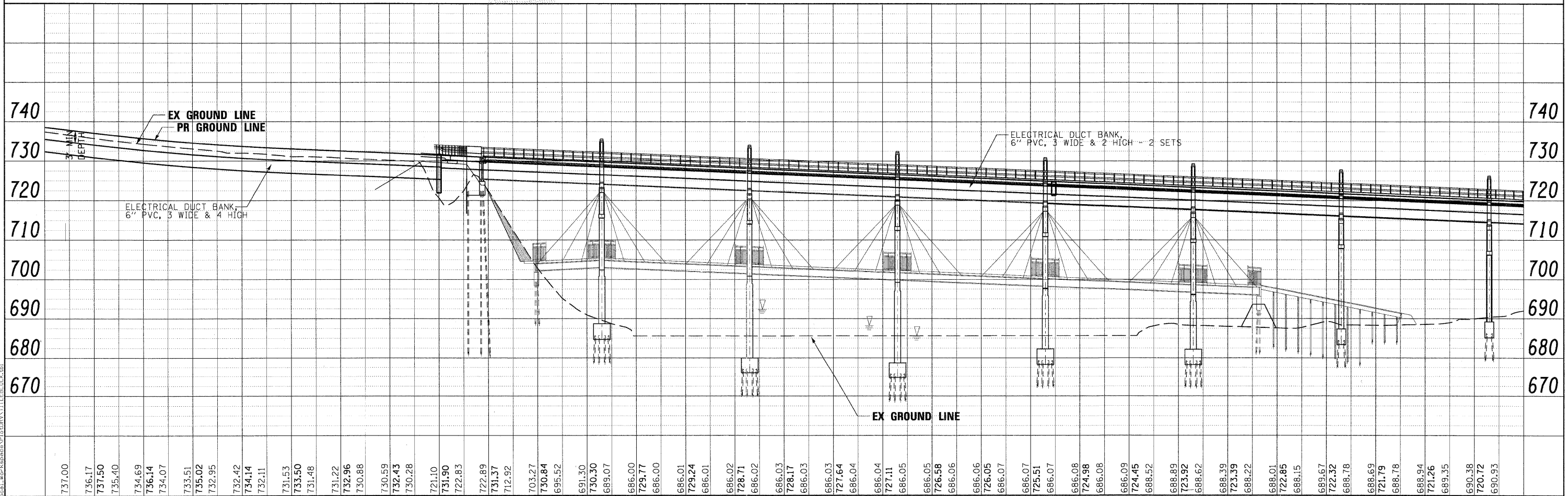
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SURVEYED	
ALIGNED	
CHECKED	
RT. OF WAY	
CHECKED	
NO.	

BY	DATE
PROFILER	
CHECKED	
NO.	

PLT SCALE: 1/8"=1'-0"
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 PLOT DATE: 11/29/2011



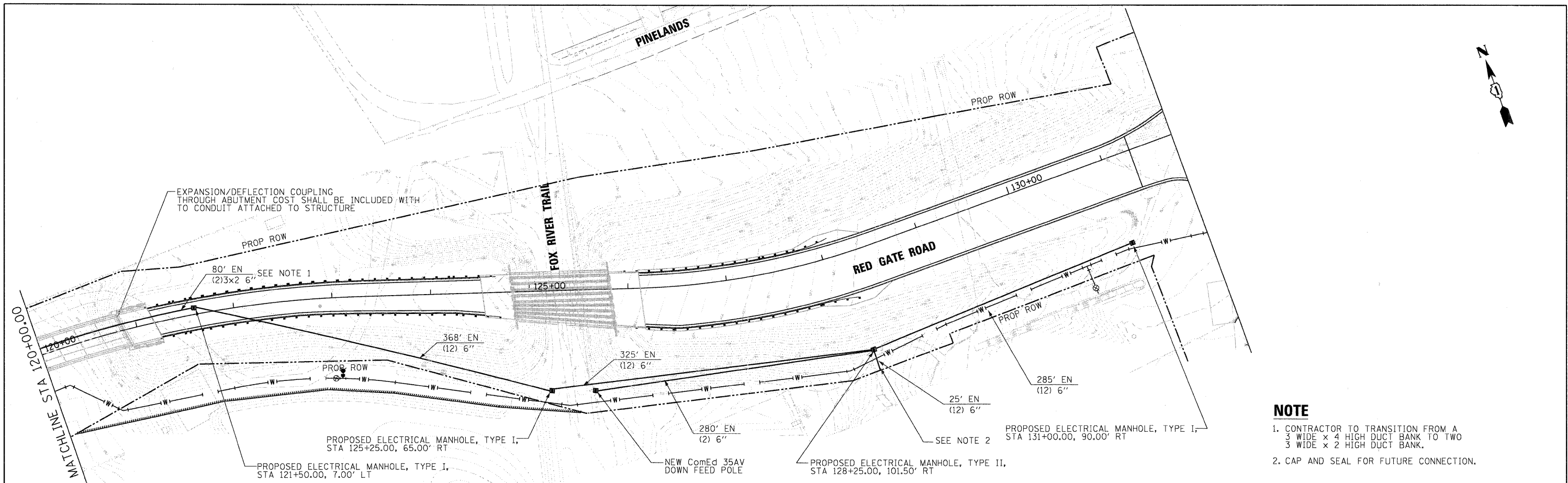
- NOTES:**
- CONTRACTOR TO TRANSITION FROM A 3 WIDE BY 4 HIGH DUCT BANK TO TWO 3 WIDE X 2 HIGH DUCT BANKS.
 - 42"x42" PRECAST TRANSFORMER PAD PROVIDED BY THE CITY. THE CONTRACTOR SHALL SET THE PRECAST TRANSFORMER PAD. SEE LIGHTING SHEET FOR EXACT LOCATION.
 - SEE SHEET 147 FOR WATERMAIN PROFILE.



FILE NAME =	DESIGNED - BC	REVISED -		ELECTRICAL DISTRIBUTION PLAN & PROFILE RED GATE ROAD		SECTION 04-00092-00-BR	COUNTY KANE	TOTAL SHEETS 440	SHEET NO. 183
DRAWN - BC	REVISED -								
CHECKED - MPM	REVISED -								
DATE - 10/23/2011	REVISED -								
SCALE: 1"=50' SHEET NO. 2 OF 5 SHEETS STA. TO STA.			CONTRACT NO. 63650 ILLINOIS FED. AID PROJECT						

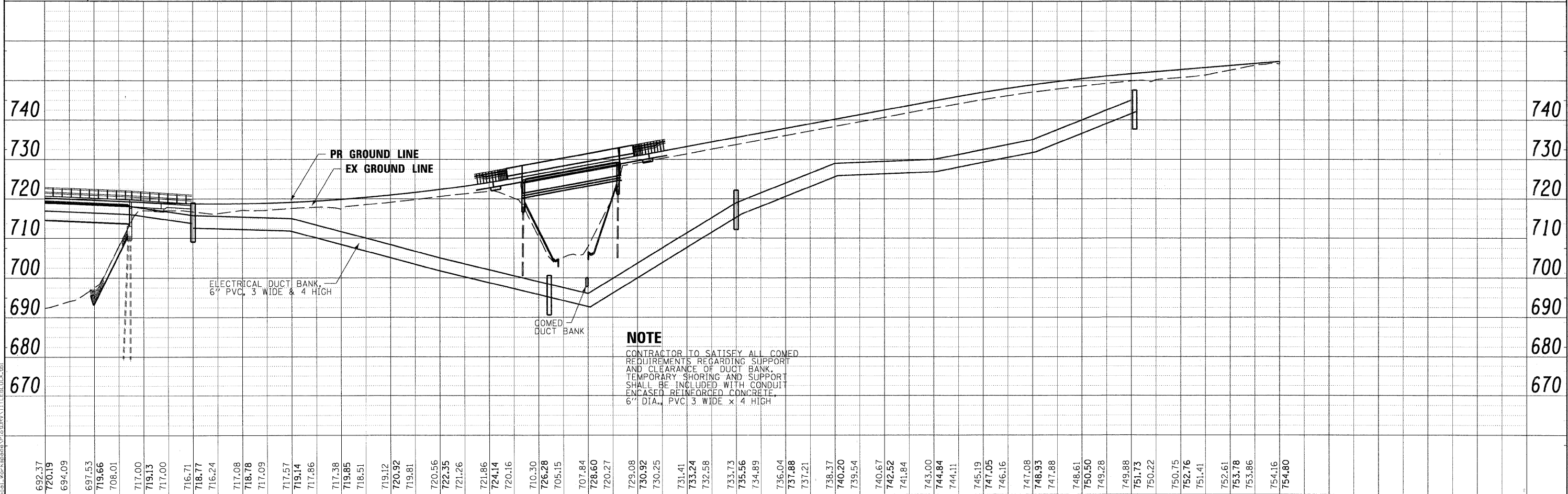
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NOTE BOOK NO.	ALIGNMENT CHECKED	
	R.T. OF WAY CHECKED	
	CADD FILE NAME	

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



NOTE

- CONTRACTOR TO TRANSITION FROM A 3 WIDE x 4 HIGH DUCT BANK TO TWO 3 WIDE x 2 HIGH DUCT BANK.
- CAP AND SEAL FOR FUTURE CONNECTION.



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DRAWN	- BC	REVISED	-
CHECKED	- MPM	REVISED	-
DATE	- 10/23/2011	REVISED	-



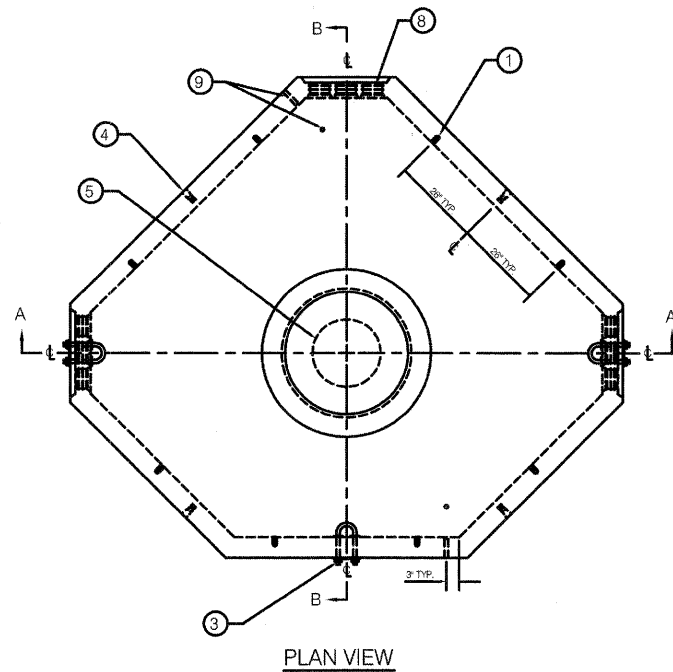
CITY OF ST. CHARLES

ELECTRICAL DISTRIBUTION PLAN & PROFILE

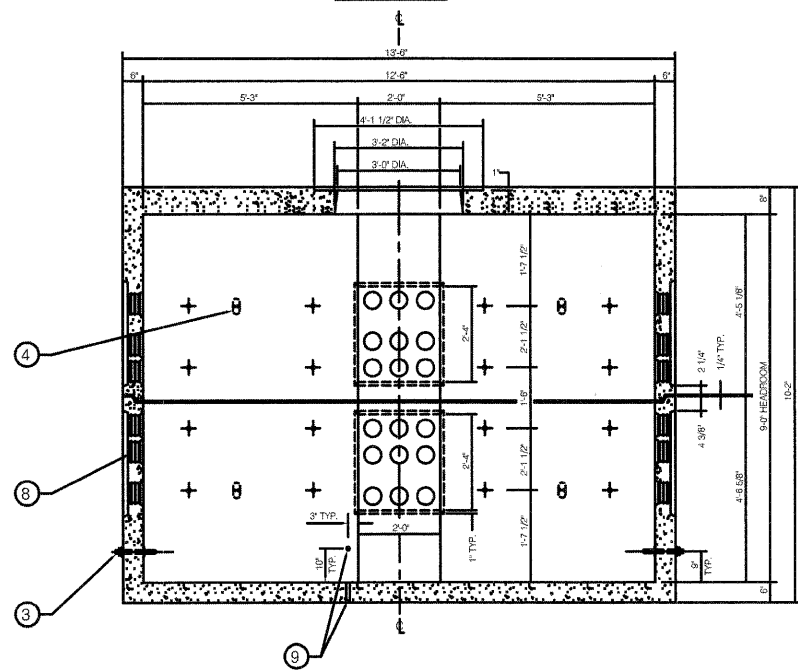
RED GATE ROAD

SCALE: 1"=50' SHEET NO. 3 OF 5 SHEETS STA. TO STA.

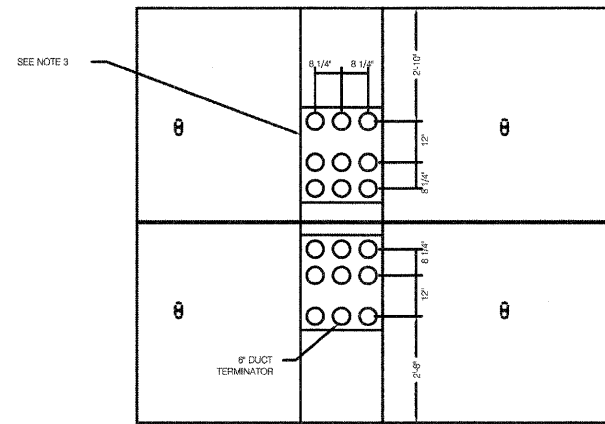
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	04-00092-00-BR	KANE	440	184
			CONTRACT NO. 63650	
ILLINOIS FED. AID PROJECT				



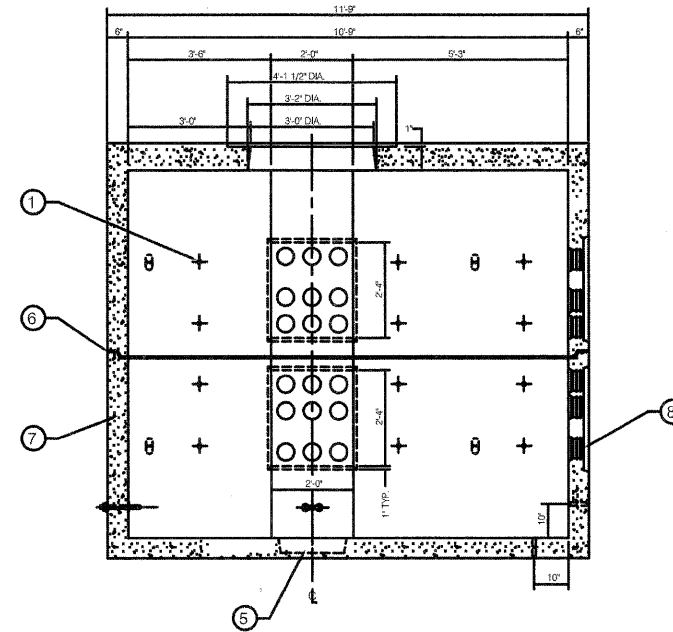
PLAN VIEW



SECTION A-A



6" DUCT TERMINATOR
ENDWALL SHOWN



SECTION B-B

NOTES:

1. CONCRETE: 4500 psi @ 28 DAYS, 5%-8% ENTRAINED AIR, 4" MAX. SLUMP.
2. REBAR: ASTM A-615 GRD. 60. SEE DRAWING No. 126.9.E.SCE 2/2
3. DUCT ENTRANCE: SINGLE DUCT TERMINATORS TO ACCEPT 6" DIAMETER SCH. 40 PVC CONDUIT. SEE DETAIL THIS SHEET.
4. PULLING IRON: SEE DRAWING No. NED.MISC.DTLS 1/1 PLEASE NOTE: PULLING IRON DESIGNED AS PER A.C.I. 318 FOR WORKING LOAD CAPACITY OF 28,000 POUNDS APPLIED COINCIDENT TO THE MAJOR AXIS OF THE PULLING IRON.
5. SUMP: SEE DRAWING No. NED.MISC.DTLS 1/1
6. BUTYL RUBBER JOINT SEALANT: SEE DRAWING No. 126-15/16.
7. IDENTIFICATION: IMPRESSED INTO CEILING OF VAULT.

ELECTRICAL MANHOLE TYPE II

PLOT SCALE: 1/8" = 1'-0"
 PLOT DATE: 11/10/2011
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 USER NAME: gthuesse
 PLOT DATE: 11/10/2011

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PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

**ELECTRICAL DISTRIBUTION
DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	186
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNALS SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			Red Gate Road at IL 31	Red Gate Road at IL 25	Interconnect
DESCRIPTION	UNIT	TOTAL QUANTITY			
DETECTABLE WARNINGS	SQ.FT	50	50		
SIGN PANEL - TYPE 1	SQ.FT	56	32	24	
SERVICE INSTALLATION - GROUND MOUNTED	EACH	2	1	1	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,616	1,430	832	1,354
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	76	36	40	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	92	55	37	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	618	348	270	
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	460	267	193	
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,207			1,207
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" X 12" X 6"	EACH	2			2
HANDHOLE	EACH	18	6	6	6
HEAVY DUTY HANDHOLE	EACH	7	6	1	
DOUBLE HANDHOLE	EACH	2	1	1	
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1	
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1	1		
MASTER CONTROLLER	EACH	1			1
UNITERRUPTIBLE POWER SUPPLY, STANDARD	EACH	2	1	1	
TRANSCEIVER - FIBER OPTIC	EACH	2	1	1	
FIBER OPTIC CABLE IN CONDUIT, NO.62.5/125, MM12F SM12F	FOOT	3,436			3,436
ELECTRIC CABLE IN CONDUIT, TRACER, NO.14 1C	FOOT	3,436			3,436
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	597	597		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	597	597		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,876	954	922	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,988	1,554	434	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR, TWISTED SHIELDED	FOOT	4,593	2,873	1,720	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C	FOOT	208	162	46	
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	898	501	397	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1		1	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	2	1	
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1		1	
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1	
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	1		
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1		1	
STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1	1		
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1	1		
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1	1		
CONCRETE FOUNDATION, TYPE A	FOOT	16	8	8	
CONCRETE FOUNDATION, TYPE C	FOOT	8	4	4	
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24		24	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41	26	15	
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42	42		
SIGNAL HEAD LED 1-FACE 3-SECTION BRACKET MOUNTED	EACH	3		3	
SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9	4	5	
SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5	4	1	
SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5	4	1	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2		
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	14	8	6	
INDUCTIVE LOOP DETECTOR	EACH	21	12	9	
DETECTOR LOOP, TYPE I	FOOT	2,556	1,625	931	
LIGHT DETECTOR	EACH	7	4	3	
LIGHT DETECTOR AMPLIFIER	EACH	2	1	1	
PEDESTRIAN PUSH-BUTTON	EACH	2	2		
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1		
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1		
REMOVE EXISTING HANDHOLE	EACH	8	8		
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7	7		
ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED SHIELDED	FOOT	664	357	307	
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1			1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1		

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DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 1 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	187
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				

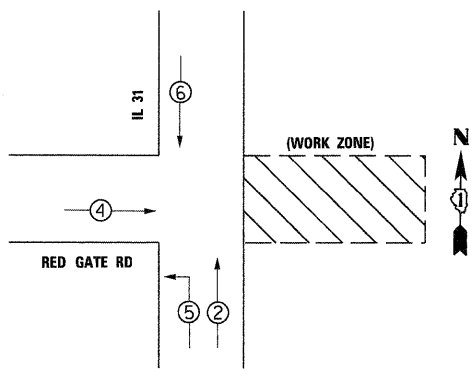
TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			SIGNAL POST AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
GUY WIRE				ABANDON ITEM	A			SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				EXISTING INTERSECTION LOOP DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER							
DETECTOR LOOP, TYPE 1				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

TEMPORARY CONTROLLER SEQUENCE

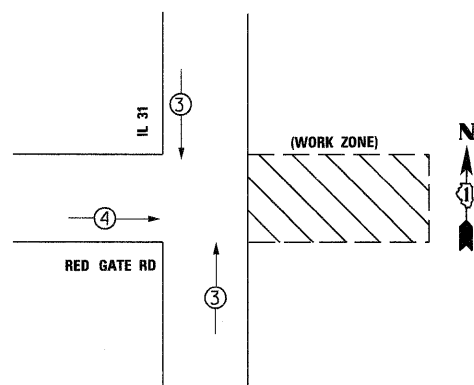


LEGEND

- ⊙ DUAL ENTRY PHASE
- ⊠ SINGLE ENTRY PHASE
- OL OVERLAP
- ⊙ PEDESTRIAN PHASE
- * - NUMBER REFERS TO ASSOCIATED PHASE

**TEMPORARY PHASE DESIGNATION DIAGRAM
PRE-STAGE, STAGES 1 & 2**

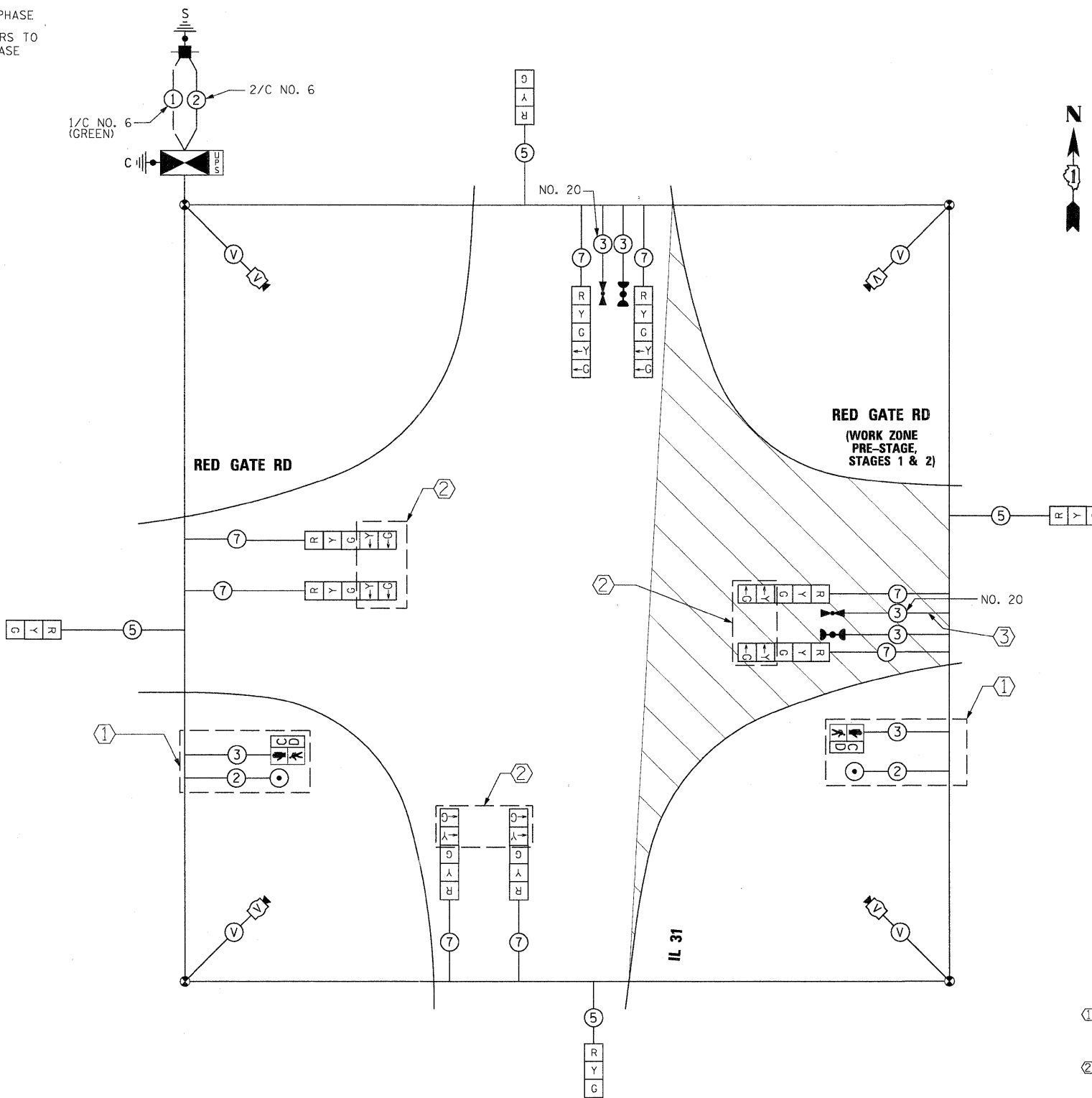
**TEMPORARY EMERGENCY VEHICLE PREEMPTION
SEQUENCE PRE-STAGE, STAGES 1 & 2**



**TEMPORARY EMERGENCY VEHICLE PREEMPTORS
PRE-STAGE, STAGES 1 & 2**

EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↑	→

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION		
SIGNAL (RED)	12	-	17	0.50	102
(YELLOW)	12	-	25	0.25	75
(GREEN)	12	-	15	0.25	45
ARROW	16	-	12	0.10	19
PED. SIGNAL	2	-	25	1.00	50
CONTROLLER	1	-	100	1.00	100
ILLUM. SIGN	0	-	25	0.05	-
VIDEO SYSTEM	1	150	-	1.00	150
FLASHER					0.50
ENERGY COSTS TO:				TOTAL =	541
ILLINOIS DEPARTMENT OF TRANSPORTATION					
201 W. CENTER COURT SCHAMBURG, ILLINOIS 60196					
ENERGY SUPPLY CONTACT:		GLYNN AMBURGEY			
PHONE:		630-377-4407			
COMPANY:		CITY OF ST. CHARLES			



**TEMPORARY CABLE PLAN
PRE-STAGE, STAGES 1 & 2**

CONSTRUCTION NOTES:

- ① TEMPORARY PEDESTRIAN SIGNALS SHALL BE BAGGED UNTIL THE PROPOSED SIDEWALK IS INSTALLED IN PRE-FINAL STAGE.
- ② LEFT-TURN ARROWS FOR RED GATE RD. SHALL BE BAGGED AND WILL NOT BE ACTIVATED UNTIL THE PRE-FINAL STAGE (EAST LEG OPEN TO TRAFFIC)
- ③ EVP FOR WESTBOUND RED GATE RD. SHALL NOT BE ACTIVATED UNTIL THE PRE-FINAL STAGE (EAST LEG OPEN TO TRAFFIC)

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DESIGNED - BC	REVISED -
DRAWN - BC	REVISED -
CHECKED - MPM	REVISED -
DATE - 10/23/2011	REVISED -

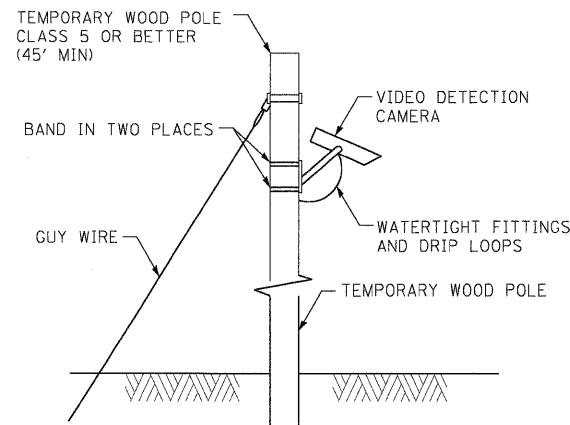


CITY OF ST. CHARLES

**TEMPORARY CABLE PLAN IL 31 AT RED GATE RD
PRE-STAGE, STAGES 1 & 2**

SCALE: NTS SHEET NO. 4 OF 12 SHEETS TOTAL TOTALS: A.

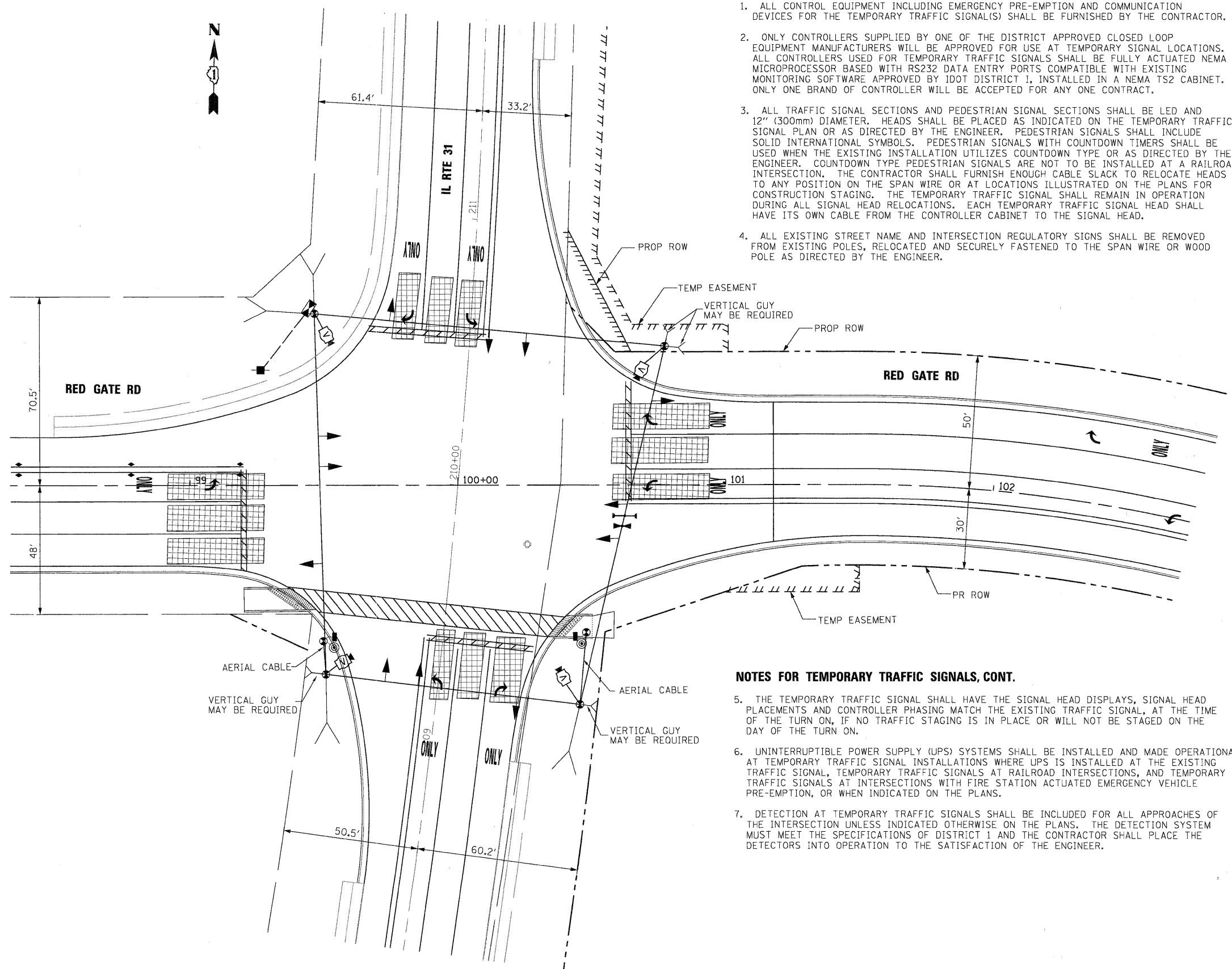
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	190
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

CONSTRUCTION NOTES:

THE TEMPORARY TRAFFIC SIGNAL CONFIGURATION SHOWN ON THIS SHEET IS FOR THE PRE-FINAL STAGE WHERE ALL LANES ON ALL APPROACHES ARE OPEN TO TRAFFIC AND THE MULTI-USE PATH COMPLETED.



NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.

NOTES FOR TEMPORARY TRAFFIC SIGNALS, CONT.

5. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
6. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
7. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.

TEMPORARY TRAFFIC SIGNAL AND REMOVAL PLAN
PRE-FINAL STAGE (EAST LEG OPEN TO TRAFFIC)

PLOT DATE = 11/22/2011
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FILE NAME =	DESIGNED -	REVISED -
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PLOT DATE = 11/22/2011	DATE = 10/23/2011	REVISED -



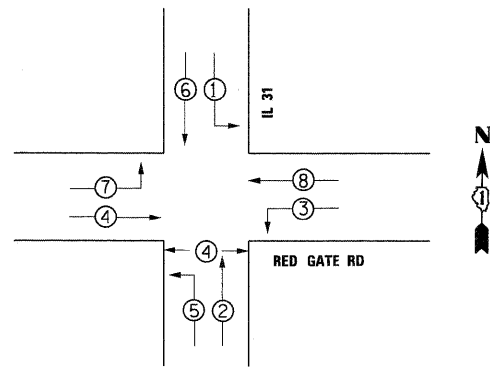
CITY OF ST. CHARLES

TEMPORARY TRAFFIC SIGNAL PLAN IL 31 AT RED GATE RD
PRE-FINAL STAGE

SCALE: SHEET NO. 5 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	191
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE

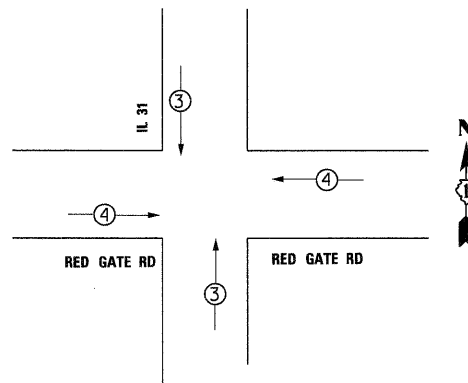


LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

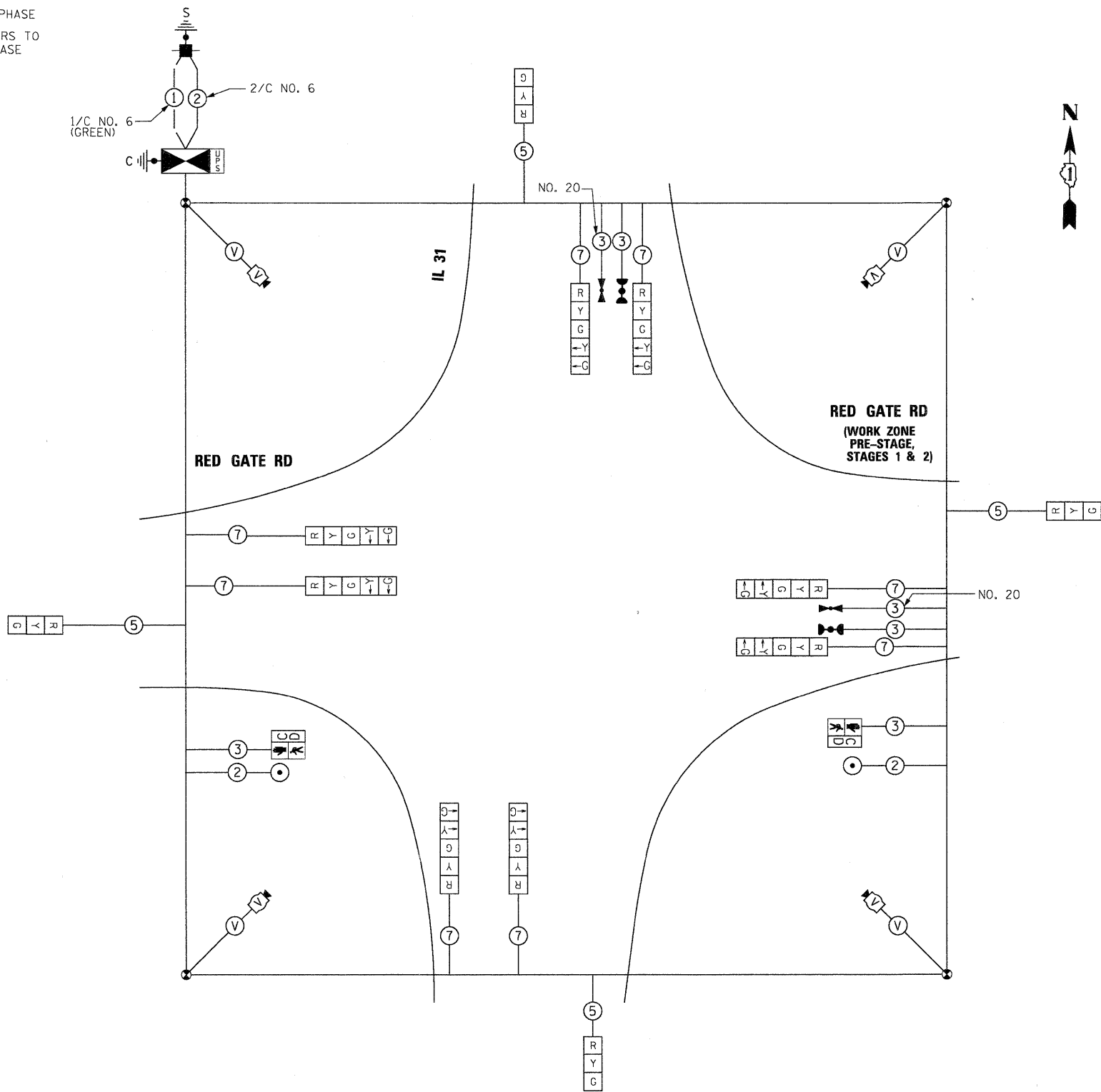
**TEMPORARY PHASE DESIGNATION DIAGRAM
PRE-STAGE, STAGES 1 & 2**

**TEMPORARY EMERGENCY VEHICLE PREEMPTION
SEQUENCE PRE-STAGE, STAGES 1 & 2**



TEMPORARY EMERGENCY VEHICLE PREEMPTORS PRE-STAGE, STAGES 1 & 2		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↑	→

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	12	-	17	0.50	102
(YELLOW)	12	-	25	0.25	75
(GREEN)	12	-	15	0.25	45
ARROW	16	-	12	0.10	19
PED. SIGNAL	2	-	25	1.00	50
CONTROLLER	1	-	100	1.00	100
ILLUM. SIGN	0	-	25	0.05	-
VIDEO SYSTEM	1	150	-	1.00	150
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 541
ILLINOIS DEPARTMENT OF TRANSPORTATION					
201 W. CENTER COURT SCHAMBURG, ILLINOIS 60196					
ENERGY SUPPLY CONTACT:			GLYNN AMBURGEY		
PHONE:			630-377-4407		
COMPANY:			CITY OF ST. CHARLES		



**TEMPORARY CABLE PLAN
PRE-FINAL STAGE**

FILE NAME = ...
 USER NAME = toddblank
 PLOT DATE = 11/22/2011

DESIGNED - BC	REVISED -
DRAWN - BC	REVISED -
CHECKED - MPM	REVISED -
DATE - 10/23/2011	REVISED -

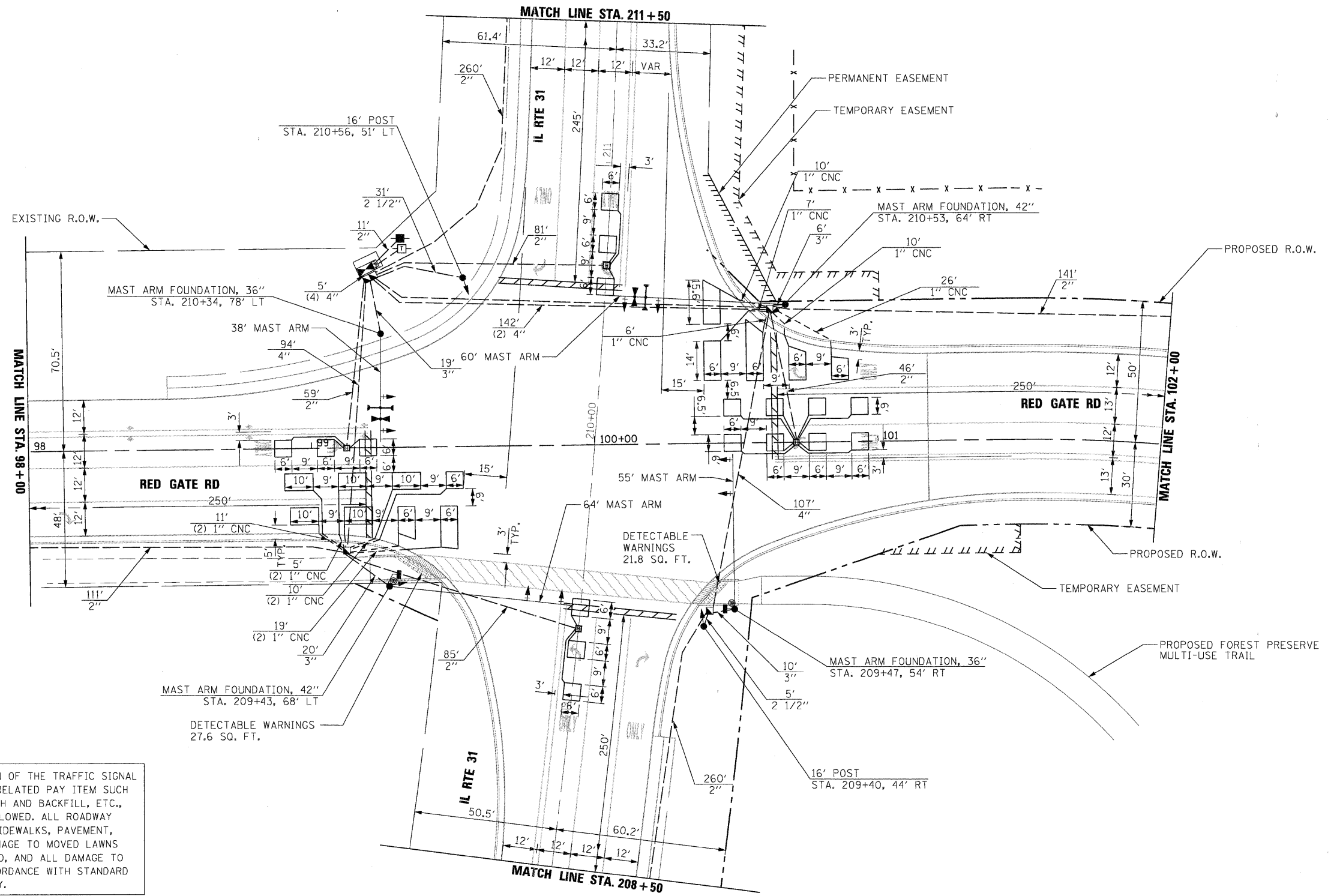


CITY OF ST. CHARLES

**TEMPORARY CABLE PLAN IL 31 AT RED GATE RD
PRE-FINAL STAGE**

SCALE: NTS SHEET NO. 6 OF 12 SHEETS STA. TO STA.

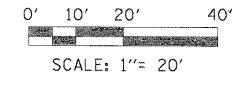
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	192
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



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

NOTE:
ALL LOOP DETECTORS AT THIS INTERSECTION SHALL BE DETECTOR LOOP TYPE I INSTALLED IN THE BINDER COURSE UNLESS OTHERWISE NOTED.

TRAFFIC SIGNAL PLAN



PLOT DATE = 11/22/2011
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PLOT DATE = 11/22/2011	DATE - 10/23/2011	REVISED -



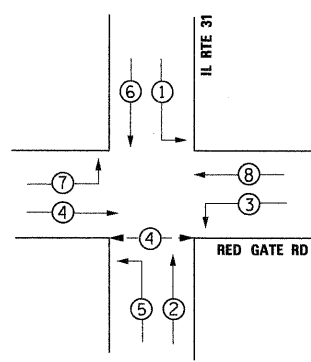
CITY OF ST. CHARLES

**TRAFFIC SIGNAL PLAN
IL 31 AT RED GATE RD**

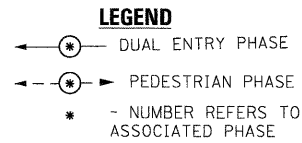
SCALE: SHEET NO. 7 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	193
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				

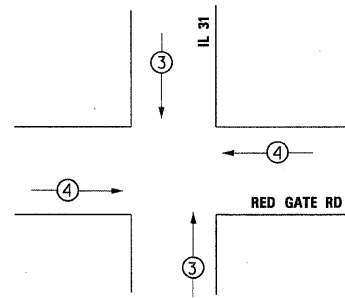
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↑ ↓	← →

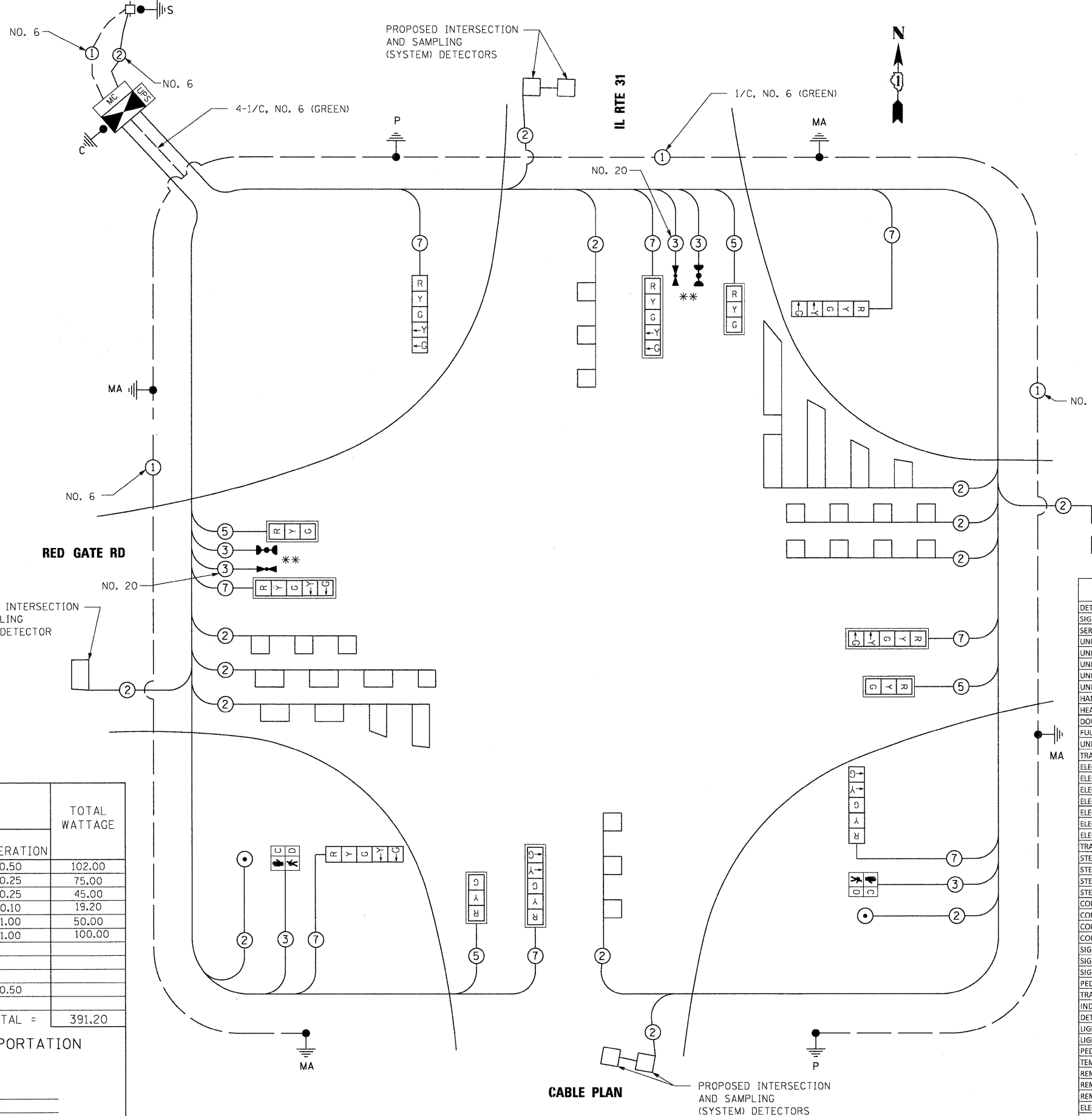
I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		%OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	-	17	0.50	102.00
(YELLOW)	12	-	25	0.25	75.00
(GREEN)	12	-	15	0.25	45.00
ARROW	16	-	12	0.10	19.20
PED. SIGNAL	2	-	25	1.00	50.00
CONTROLLER	1	-	100	1.00	100.00
FLASHER				0.50	

ENERGY COSTS TO: TOTAL = 391.20

ILLINOIS DEPARTMENT OF TRANSPORTATION

201 W. CENTER COURT
SCHAMBURG, ILLINOIS 60196
ENERGY SUPPLY CONTACT: GLYNN AMBURGEY
PHONE: 630-377-4407
COMPANY: CITY OF ST. CHARLES



THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

NOTE:
ALL DETECTOR LOOPS AT THIS INTERSECTION ARE TYPE I.

** 100% OF EVP COSTS TO ST. CHARLES FIRE DEPARTMENT

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

SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
DETECTABLE WARNINGS	SQ.FT	50
SIGN PANEL - TYPE 1	SQ.FT	31.5
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,430
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	36
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	55
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	348
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	267
HANDHOLE	EACH	6
HEAVY DUTY HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1
TRANSMITTER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	597
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	597
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	954
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,554
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR, TWISTED SHIELDED	FOOT	2,873
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	162
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	501
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	1,625
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	2
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED SHIELDED	FOOT	357
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CABLE PLAN

FILE NAME = ...
USER NAME = tblank
PLOT DATE = 11/29/2011

DESIGNED - BC
DRAWN - BC
CHECKED - MPM
DATE - 10/23/2011

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REVISED -
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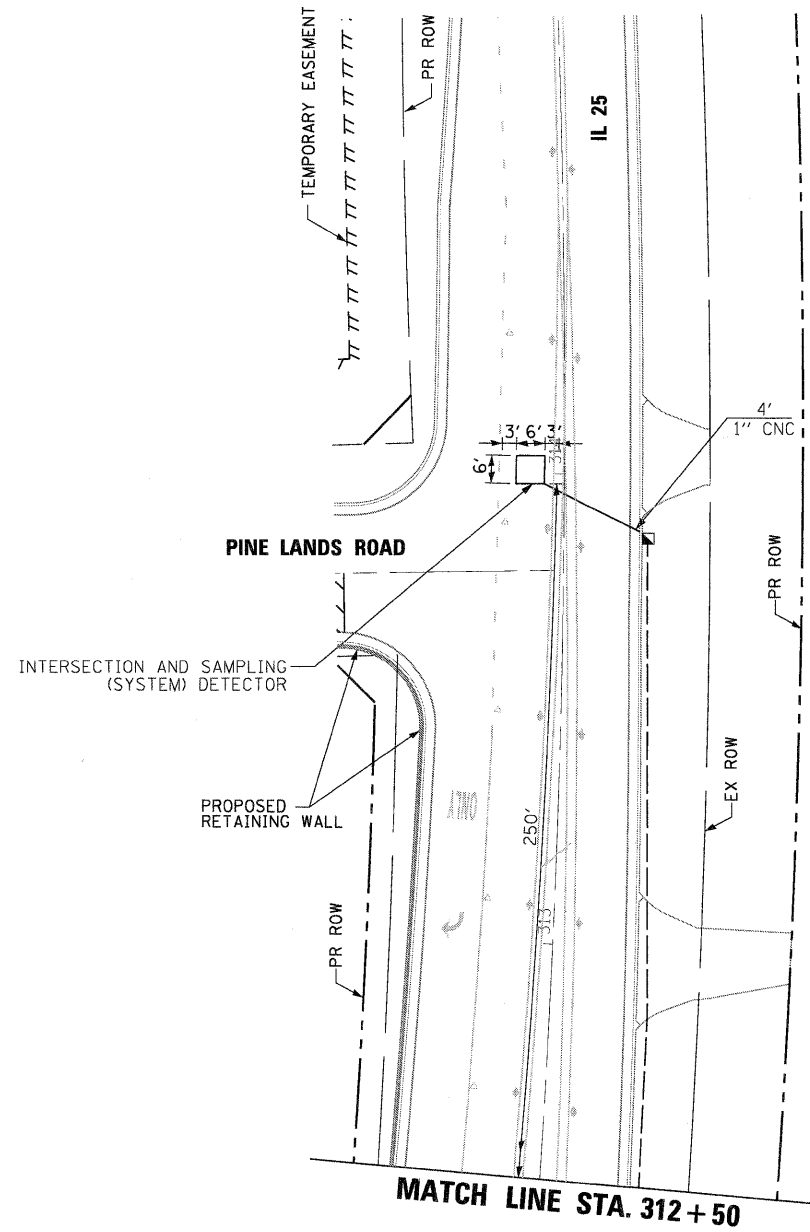
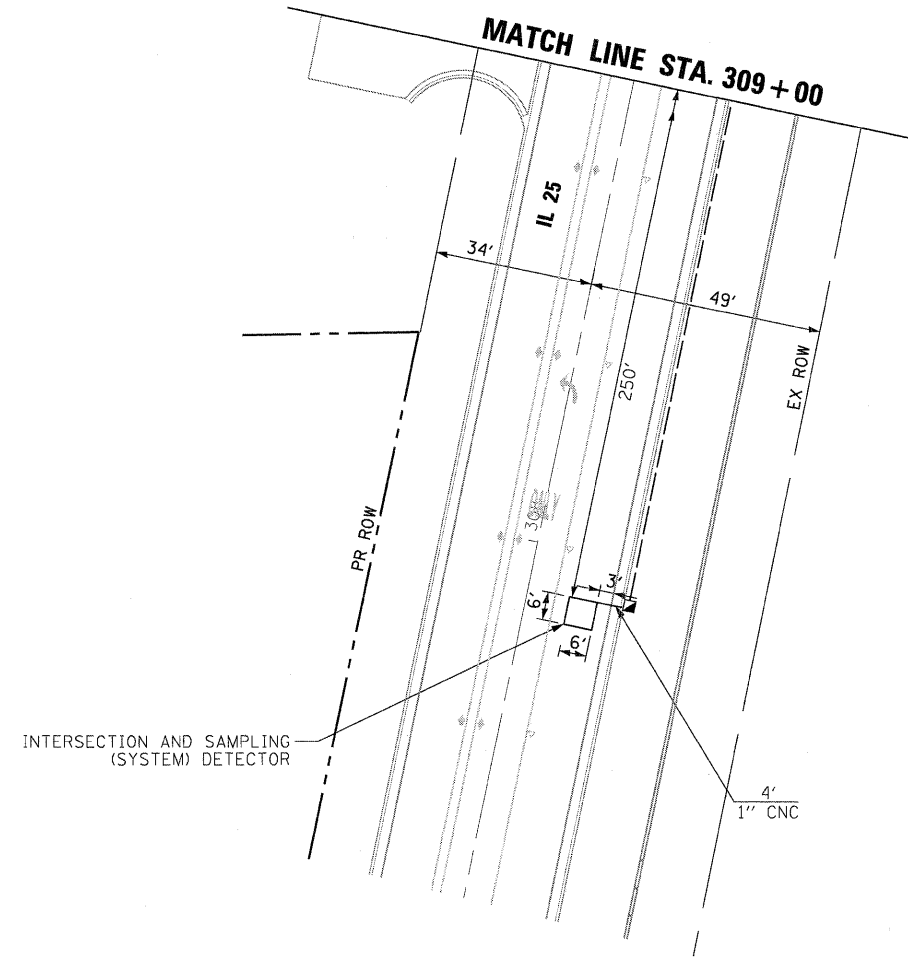


CITY OF ST. CHARLES

TRAFFIC SIGNAL CABLE PLAN
IL 31 AT RED GATE RD

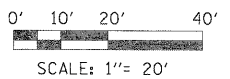
SCALE: SHEET NO. 9 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	195
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



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

NOTE
ALL DETECTOR LOOPS, TYPE I SHALL BE SAW CUT AND INSTALLED PRIOR TO THE PLACEMENT OF THE ASPHALT SURFACE COURSE.



TRAFFIC SIGNAL PLAN

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PLOT DATE = 11/22/2011	DATE - 10/23/2011	REVISED -



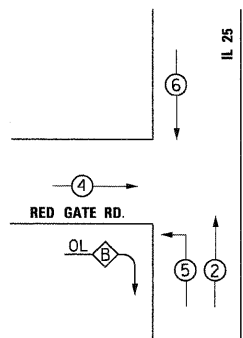
CITY OF ST. CHARLES

TRAFFIC SIGNAL PLAN
IL 25 AT RED GATE RD

SCALE:	SHEET NO. 11 OF 12 SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	197
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63650	

CONTROLLER SEQUENCE



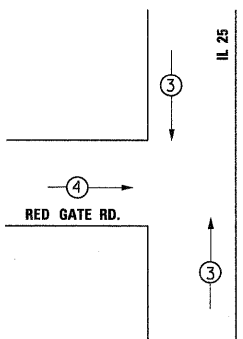
LEGEND

- ⊙ DUAL ENTRY PHASE
- ⊙ PEDESTRIAN PHASE
- * - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↓ ↑	← →

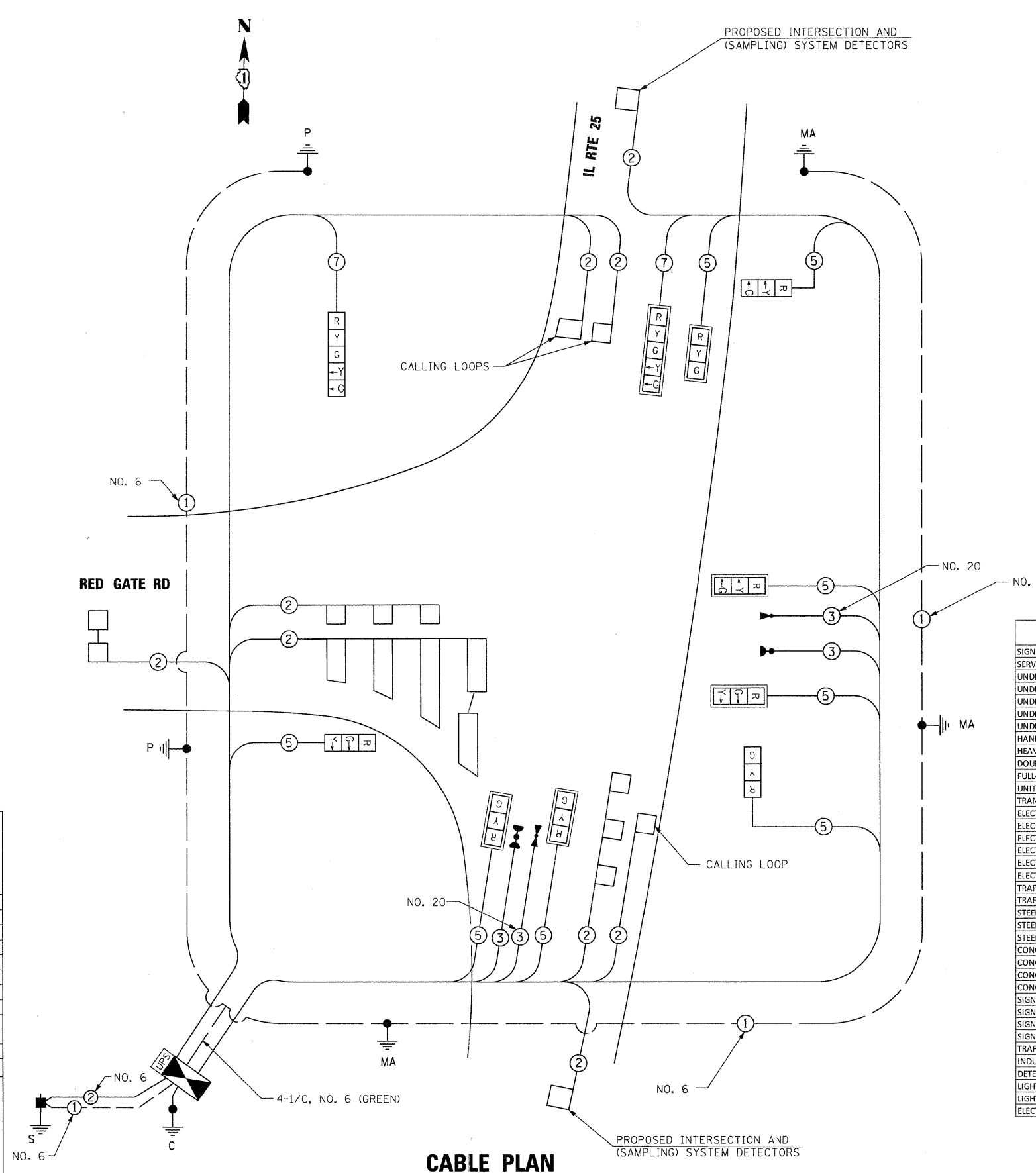
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	10	-	17	0.50	85.00
(YELLOW)	10	-	25	0.25	62.50
(GREEN)	10	-	15	0.25	37.50
ARROW	4	-	12	0.10	4.80
PED. SIGNAL	0	-	25	1.00	0.00
CONTROLLER	1	-	100	1.00	100.00
FLASHER					0.50

ENERGY COSTS TO: TOTAL = 289.80

ILLINOIS DEPARTMENT OF TRANSPORTATION

201 W. CENTER COURT
SCHAMBURG, ILLINOIS 60196
ENERGY SUPPLY CONTACT:
PHONE:

GLYNN AMBURGEY
630-377-4407
CITY OF ST. CHARLES



CABLE PLAN

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

NOTE:
ALL DETECTOR LOOPS AT THIS INTERSECTION ARE TYPE I EXCEPT THE RED GATE SYSTEM DETECTOR LOOPS.

• 100% OF EVP COSTS TO THE CITY OF ST. CHARLES

SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
SIGN PANEL - TYPE 1	SQ. FT.	24.0
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	832
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	40
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	37
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	270
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	193
HANDHOLE	EACH	6
HEAVY DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	922
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	434
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR, TWISTED SHIELDED	FOOT	1,720
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	46
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	397
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
SIGNAL HEAD LED 1-FACE 3-SECTION MAST ARM MOUNTED	EACH	5
SIGNAL HEAD LED 1-FACE 3-SECTION BRACKET MOUNTED	EACH	3
SIGNAL HEAD LED 1-FACE 5-SECTION BRACKET MOUNTED	EACH	1
SIGNAL HEAD LED 1-FACE 5-SECTION MAST ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE I	FOOT	931
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED SHIELDED	FOOT	307

PLOT DATE = 11/22/2011
 USER NAME = todablank
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 ...\\af\\file-ABC-sht-ts-IL25-cable.dgn

DESIGNED - BC	REVISED -
DRAWN - BC	REVISED -
CHECKED - MPM	REVISED -
DATE - 10/23/2011	REVISED -

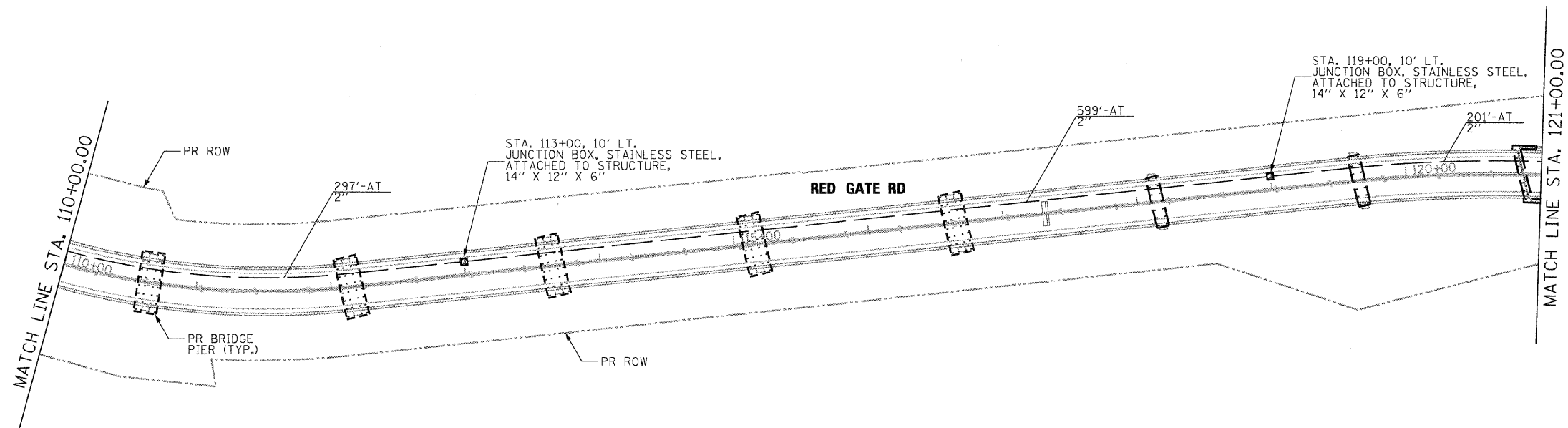
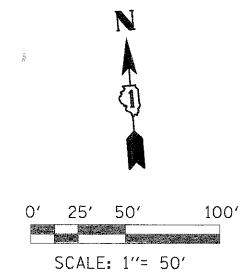


CITY OF ST. CHARLES

**TRAFFIC SIGNAL CABLE PLAN
IL 25 AT RED GATE RD**

SCALE: SHEET NO. 12 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	198
CONTRACT NO. 63650				
ILLINOIS FED. AID PROJECT				



NOTE

SEE SHEET S11, STRUCTURE SN 045-6024 FOR CONDUIT LOCATION DETAILS

JUNCTION BOX ATTACHED TO STRUCTURE AND CONDUIT ATTACHED TO STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND PER THE MANUFACTURER'S RECOMMENDATIONS AS APPROVED BY THE ENGINEER.

LEGEND

AT - CONDUIT ATTACHED TO STRUCTURE, PVC COATED GALVANIZED STEEL

PLOT DATE = 11/22/2011
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 X:\P20205\10072\Local_Workspace\PlotDRV\TITLEBLOCK.rvt

FILE NAME =	DESIGNED - BC	REVISED -
...\\prpin-abc-shr-RedGate-Incon-02.dgn	DRAWN - BC	REVISED -
USER NAME = toddblank	CHECKED - MPM	REVISED -
PLOT DATE = 11/22/2011	DATE - 10/23/2011	REVISED -



CITY OF ST. CHARLES

**INTERCONNECT PLAN
RED GATE ROAD**

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	200
			CONTRACT NO. 63650	
ILLINOIS FED. AID PROJECT				