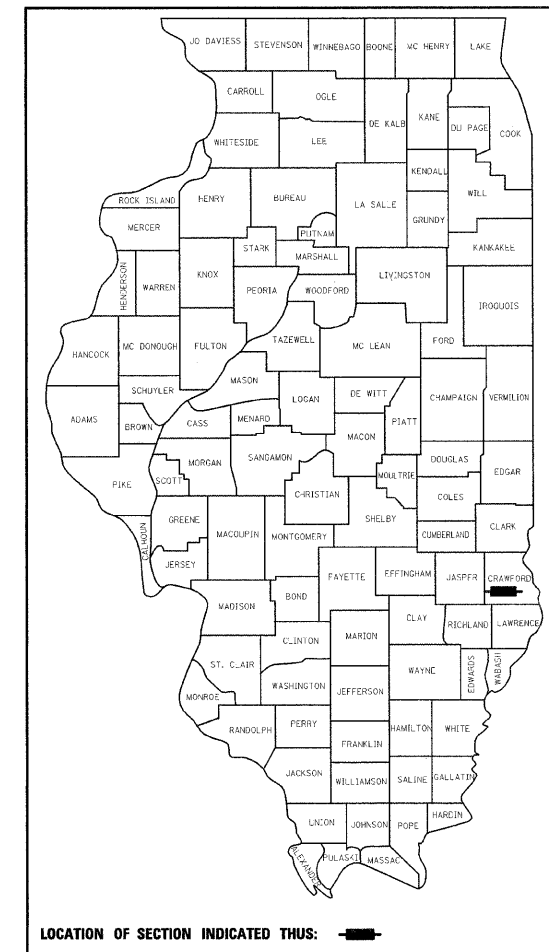


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	1
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

D-97-004-09



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

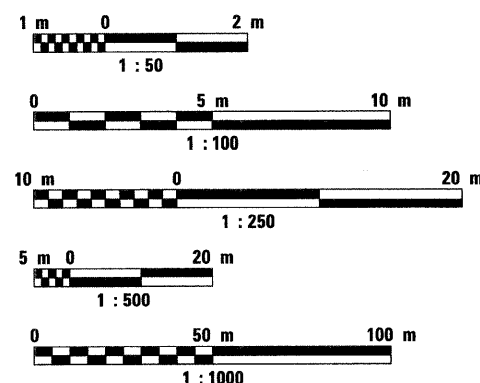
F.A.P. ROUTE 781 (IL. ROUTE 33)  
SECTION 2ZRS-1  
PROJECT C-97-027-09  
CRAWFORD COUNTY  
PROJECT: ESP-0781(030)

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR THE LIST OF APPLICABLE IDOT HIGHWAY STANDARDS, SEE SHEET NO. 2

STRUCTURAL DESIGN TRAFFIC: YEAR 2019	
PV = 8173	SU = 145 MU = 377
ROAD/STREET CLASSIFICATION: CLASS II	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 50	S = 50 M = 50
TRAFFIC FACTOR: Actual TF = 1.63	
Minimum TF = 3.81	
SUBGRADE SUPPORT RATING:	
SSR = Poor (STA. 13+143 TO 13+750 )	
SSR = (STA. TO )	

DESIGN DESIGNATION:  
8695(19) Arterial 3.81 (FD-20)  
2019 ADT = 8695

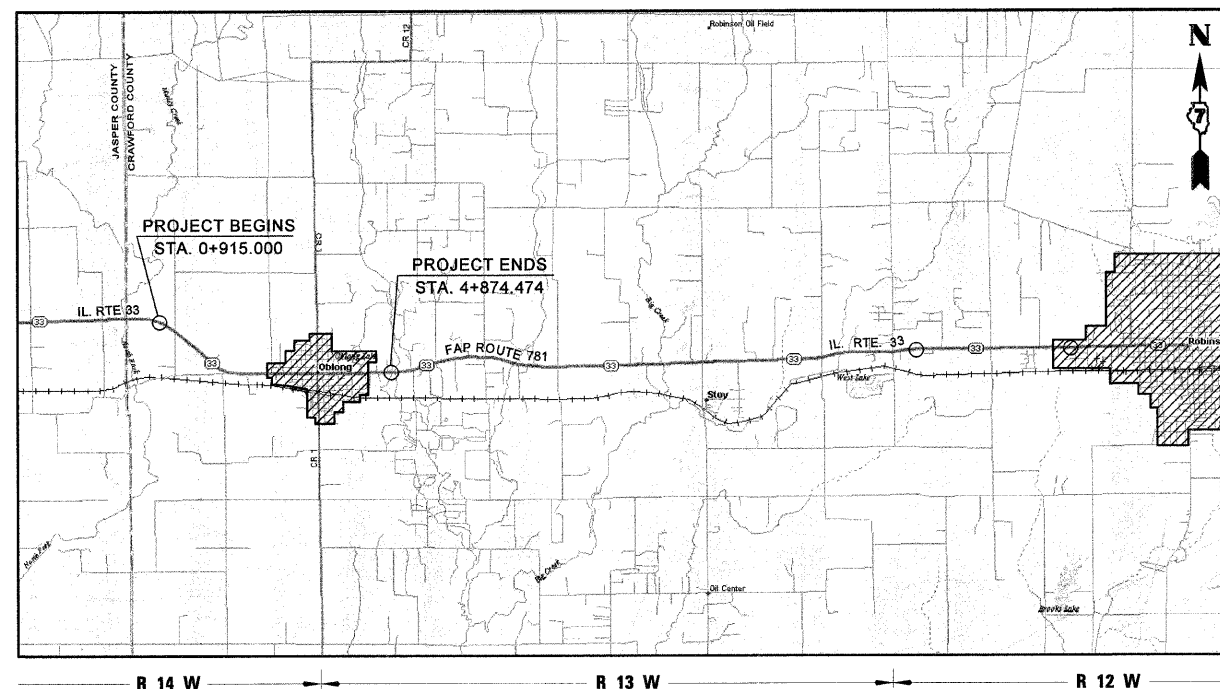
METRIC RATIOS



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

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

CONTRACT NO. 74349



LOCATION MAP  
SCALE 1:60,000

GROSS LENGTH OF IMPROVEMENT= 3,959.474 METERS = 3.959 KILOMETERS

PLANS PREPARED BY



HENRY, MEISENHEIMER & GENDE, INC.  
ENGINEERS  
CARLYLE, ILLINOIS 62231  
www.hmgengineers.com

(618) 594-3711 Fax (618) 594-8217



SCOTT A. RAKERS, P.E.  
ILLINOIS REGISTERED ENGINEER NO. 062-049177  
REGISTRATION EXPIRES NOV. 30, 2009

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED February 9 2009  
Rogan L. Durbelle  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
March 13, 2009  
Charles G. Ingersoll / R  
ENGINEER OF DESIGN AND ENVIRONMENT  
March 13, 2009  
Christine M. Reed / R  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

Project Engineer: Mark Daugherty  
Telephone: (217) 342-8341

PLOT DATE = 2/5/2009  
FILE NAME = H:\428\Contract 74349\SH1\_001\_cover.dgn

HMG JOB NO. 4480

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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29	PIPE CULVERT SCHEDULE
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38	LOCAL TIES
39-40	RURAL ENTRANCE DETAILS & SCHEDULES
41-42	URBAN ENTRANCE DETAILS & SCHEDULES
43-53	REMOVALS
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120-121	SUPERELEVATION TRANSITION DETAILS AND DATA TABLES
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123	CONCRETE STEPS AND EMBANKMENT BENCHING DETAILS
124	PERMANENT EROSION CONTROL DETAILS
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133-136	BOX CULVERT EXTENSIONS - DETAILS
137	EXISTING BOX CULVERT PLUG AND FILL DETAILS
138-191	IL. ROUTE 33 CROSS SECTIONS

~~RIGHT OF WAY PLANS~~

**APPLICABLE HIGHWAY STANDARDS**

STD. NO.	TITLE	STD. NO.	TITLE
280001-04	TEMPORARY EROSION CONTROL SYSTEMS	666001-01	RIGHT OF WAY MARKERS
420001-07	PAVEMENT JOINTS	667101-01	PERMANENT SURVEY MARKERS
420111-02	PCC PAVEMENT ROUNDOUTS	701006-03	OFF-ROAD OPERATIONS, 2-LANE, 2-WAY, 4.5 m TO 600 mm FROM PAVEMENT EDGE
424001-05	CURB RAMPS FOR SIDEWALKS	701011-02	OFF ROAD MOVING OPERATIONS, 2-LANE, 2-WAY, DAY ONLY
442201-03	CLASS C AND D PATCHES	701201-03	LANE CLOSURE, 2-LANE, 2-WAY, DAY ONLY, FOR SPEEDS MORE THAN OR EQUAL 45 MPH
482001-02	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT	701306-02	LANE CLOSURE, 2-LANE, 2-WAY, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS MORE THAN OR EQUAL 45 MPH
482011-03	BITUMINOUS SHOULDER STRIPS / SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS	701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION	701321-10	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
542311-01	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm THRU 1350 mm PIPE)	701326-03	LANE CLOSURE, 2-LANE, 2-WAY, PAVEMENT WIDENING FOR SPEEDS MORE THAN OR EQUAL 45 MPH
542401-01	METAL END SECTION FOR PIPE CULVERTS	701501-05	URBAN LANE CLOSURE, 2-LANE, 2-WAY, UNDIVIDED
542606-01	REINFORCED CONCRETE PIPE TEE	701801-04	LANE CLOSURE MULTILANE, 1-WAY OR 2-WAY, CROSSWALK OR SIDEWALK CLOSURE
602301-02	INLET - TYPE A	701901-01	TRAFFIC CONTROL DEVICES
602306-02	INLET - TYPE B	704001-05	TEMPORARY CONCRETE BARRIER
602401-02	MANHOLE - TYPE A	780001-02	TYPICAL PAVEMENT MARKINGS
602406-03	MANHOLE, TYPE A, 1.8 m (6') DIAMETER	781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
602416-01	MANHOLE, TYPE A, 2.4 m (8') DIAMETER	000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP	001001-02	AREAS OF REINFORCEMENT REBARS
602701-02	MANHOLE STEPS	B.L.R. 10-6	PCC PAVEMENT SPECIAL
604001-03	FRAME AND LIDS - TYPE 1	B.L.R. 14-9	PORTLAND CEMENT CONCRETE PAVEMENT
604006-04	FRAME AND GRATE - TYPE 3		
604036-02	GRATE - TYPE 8		
604051-03	FRAME AND GRATE - TYPE 11		
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER		
606006-02	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-15.60 (B-6.24)		

PLOT DATE = 2/16/2009  
FILE NAME = H:\4420\Contract 74349\SHI\_002\_indexofshs.dgn

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS</b></p> <p>SCALE NO SCALE                      DRAWN BY EDW</p> <p>DATE FEBRUARY 6, 2009              CHECKED BY LWJ</p>

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**GENERAL NOTES**

- WORK INCLUDED IN SECTION 2ZRS-1 CONSISTS OF RESURFACING THE EXISTING 6.7 METER WIDE TRAVELED WAY AND WIDENING THE SECTION TO INCLUDE 0.9 METER WIDE HOT-MIX ASPHALT SHOULDERS AND 1.5 METER WIDE AGGREGATE SHOULDERS; CONSTRUCT NEW DITCHES AND EXTEND/REPLACE CULVERTS FROM 950 METERS EAST OF THE JASPER/CRAWFORD COUNTY LINE TO THE DOGWOOD CREEK BRIDGE, EXCEPT THE AREA THROUGH OBLONG WHICH WILL BE WIDENED TO PROVIDE AN URBAN DESIGN OF TWO 4.0 METER LANES (EXCEPT FOUR DOWNTOWN BLOCKS WOULD CONSIST OF TWO 3.6 METER LANES AND TWO 2.3 METER PARKING LANES), CURB AND GUTTER, SIDEWALK AND STORM SEWER IMPROVEMENTS.
- UTILITIES**
  - ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE COST OF SUCH WORK WILL BE INCLUDED IN THE COST FOR EARTH EXCAVATION.
  - THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND ARE INTENDED TO BE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTORS PROGRESS.
  - ALL UTILITY FACILITIES THAT REQUIRE RELOCATION WITHIN STATE ROW SHALL BE COMPLETED BY THE UTILITY COMPANY UNLESS OTHERWISE SHOWN ON THE PLANS.
  - THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED. MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

CITY OF OBLONG (WATER, SEWER)	ENSTAR CABLE
AMEREN IP (ELECTRIC, GAS)	MCI/WORLDCOM
LEVEL 3 COMMUNICATIONS	AT&T
FRONTIER COMMUNICATIONS	CRAWFORD CO. OIL
- EXISTING FACILITIES AND VARIATIONS. IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE ITEM OF WORK.
- STA/OFFSET REFERENCES AND HORIZONTAL/VERTICAL CONTROLS**
  - ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE (IL 33 OR SIDE ROADS) UNLESS OTHERWISE NOTED IN THE PLANS. ALL HORIZONTAL CONTROL POINTS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM AND WERE PROVIDED BY IDOT-DISTRICT 7.
  - VERTICAL CONTROL. ALL CONTROL POINTS AND ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
  - ALL PAVEMENT GRADES AND ELEVATIONS SHOWN ON THE PLANS ARE TO THE TOP OF THE PAVEMENT SURFACE UNLESS OTHERWISE SHOWN ON THE PLANS.
  - ALL DIMENSIONS SHOWN ON THE PLANS ARE IN MILLIMETERS (mm) EXCEPT AS NOTED.
  - ALL EARTH SLOPES THROUGHOUT THE PLANS ARE SHOWN AS V/H (VERTICAL TO HORIZONTAL).
- HIGHWAY STANDARDS. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE PREVIOUS SHEET OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- BITUMINOUS MATERIAL**
  - BITUMINOUS MATERIALS (PRIME COAT) SHALL BE EITHER RC-70 OR SS-IHP
- TREE PLANTING. THE CONTRACTOR SHALL NOTIFY THE IDOT DISTRICT ARCHITECT ONE MONTH PRIOR TO TREE PLANTING OPERATIONS IN ORDER TO DETERMINE THE FINAL PLANTING LOCATIONS.
- TRANSITIONS TO EXISTING. 3 METER TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- ALL DRILLING, BARS, GROUTING, AND EXPANSION JOINTS REQUIRED FOR CONCRETE PAVEMENTS SHALL BE INCLUDED IN THE COST OF PCC BASE COURSE.

- EXISTING CONCRETE PADS OR BASES, SIGNS, POLES, FENCES, RAILROAD TIES, MISC. CONCRETE OR OTHER UNCLASSIFIED ITEMS NOT SPECIFICALLY SHOWN ON THE PLANS OR PAID FOR THAT INTERFERE WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED. THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- EXISTING CONCRETE CURB OR CONCRETE CURB AND GUTTER NOT ON THE PLANS TO BE REMOVED OR THAT INTERFERES WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED. THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
- MONUMENTATION**
  - THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN LICENSED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
  - RIGHT-OF-WAY MARKERS SHALL BE ERECTED WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE UNLESS THE NEW RIGHT-OF-WAY LINE HAS BEEN SURVEYED AND PINNED, IN WHICH INSTANCE THE RIGHT-OF-WAY MARKER WILL BE ERECTED 305mm (12 INCHES) INSIDE THE NEW RIGHT-OF-WAY LINE.
- AGGREGATE MATERIALS**
  - AGGREGATE SHOULDERS SHALL BE CRUSHED STONE, CRUSHED CONCRETE, OR RAP.
  - AGGREGATE SURFACE COURSE SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.
  - SUBBASE GRANULAR MATERIAL TYPE B AND AGGREGATE BASE COURSE TYPE B SHALL BE CRUSHED STONE.
- STORM SEWER & DRAINAGE**
  - OFFSETS FOR DRAINAGE STRUCTURES IS FROM THE ROADWAY BASELINE TO THE CENTER OF THE STRUCTURE. FOR STRUCTURES BUILT IN CONJUNCTION WITH CURB AND GUTTER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SET THE STRUCTURE SUCH THAT THE FRAME AND/OR GRATE MATCHES THE CURB LINE.
  - THE COST OF CONNECTING EXISTING DRAIN TILE OR SEWER TO PROPOSED DRAINAGE STRUCTURES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED DRAINAGE STRUCTURES.
  - ABANDONED SEWERS AND DRAIN LINES SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER SHALL BE PLUGGED WITH CLASS SI CONCRETE ACCORDING TO ARTICLE 550.05 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR PROPOSED STORM SEWER.
  - WHEN THE REQUIRED VERTICAL AND/OR HORIZONTAL CLEARANCES, AS SPECIFIED BY THE IEPA, BETWEEN PROPOSED STORM SEWER AND EXISTING/PROPOSED WATER MAINS CANNOT BE MET, WATER MAIN QUALITY STORM SEWER SHALL BE INSTALLED AS SPECIFIED IN THE SPECIAL PROVISIONS. THIS PIPE WILL BE PAID FOR AS "STORM SEWER (WATER MAIN QUALITY)" OF THE TYPE AND DIAMETER SPECIFIED.
  - WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS AND/OR STRUCTURES. HE SHALL PROVIDE A MEANS FOR OUTLETING ALL DISCHARGES FROM THESE FACILITIES UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PROPOSED STORM SEWER.
  - EXISTING ROOF AND YARD DRAINS CURRENTLY CONNECTED TO THE EXISTING STORM SEWER SHALL BE RECONNECTED TO THE PROPOSED DRAINAGE SYSTEM AS DIRECTED BY THE ENGINEER. THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE COST OF PROPOSED STORM SEWER.
  - EXISTING YARD AND FIELD DRAINS AT LOCATIONS WITH DITCH DRAINAGE SHALL BE CUT OFF FLUSH WITH THE PROPOSED DITCH BACKSLOPE OR AS DIRECTED BY THE ENGINEER. THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- PAVEMENT MARKING. NO PASSING ZONES TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS 14 DAYS PRIOR TO PERMANENT PAVEMENT MARKINGS.
- NPDES COMPLIANCE. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT AND IMPLEMENT THE EROSION CONTROL PLAN INCLUDED IN THESE PLANS AND SPECIFIED HEREIN.

- TRAFFIC CONTROL**
  - FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
  - THE CONTRACTOR SHALL KEEP LANE CLOSURES TO A MINIMUM. HE SHALL WORK EXPEDITIOUSLY TO OPEN TRAFFIC LANES CLOSED DUE TO CONSTRUCTION. THE ENGINEER SHALL BE THE SOLE JUDGE OF WHEN A LANE IS READY TO BE OPENED TO TRAFFIC.
  - THE FOLLOWING SHALL BE NOTIFIED FOURTEEN (14) CALENDAR DAYS PRIOR TO ANY ROAD CLOSURES ON THE PROJECT:

CITY OF OBLONG POLICE DEPT.	OBLONG TOWNSHIP COMMISSIONER
CITY OF OBLONG FIRE DEPT.	ROBINSON TOWNSHIP COMMISSIONER
CRAWFORD COUNTY ENGINEER	
- REMOVALS**
  - REMOVAL OF HOT-MIX ASPHALT, OIL AND CHIP, AND AGGREGATE SURFACING NOT ON A RIGID TYPE BASE SHALL BE PAID FOR AS EARTH EXCAVATION.
  - REMOVAL OF EXISTING GRAVEL OR CRUSHED STONE BASE COURSE SHALL BE PAID FOR AS EARTH EXCAVATION.
  - EXISTING SIDEWALKS AND STEPS TO BE REMOVED MADE OF CONCRETE, BRICK OR ASPHALT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR SIDEWALK REMOVAL.
- HOT-MIX ASPHALT OPERATIONS**
  - THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.
  - CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.
- EARTH EXCAVATION & EMBANKMENTS**
  - THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP 100mm (TOPSOIL) IN AREAS TO BE SEEDDED OR SODDED. THE TOPSOIL REQUIRED SHALL BE OBTAINED BY STRIPPING OPERATIONS AS SHOWN IN THE PLANS OR FURNISHED FROM OFFSITE AS REQUIRED.
  - ALL EMBANKMENT WIDENING SHALL BE SUFFICIENTLY BENCHED INTO EXISTING EMBANKMENTS/SLOPES PER SECTION 205 OF THE STANDARD SPECIFICATIONS.
- EXISTING PAVEMENT SHALL BE PATCHED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE ONLY AND FINAL QUANTITIES SHALL BE DETERMINED BY THE ENGINEER.
- ALL SAW CUTTING OF EXISTING PAVEMENT NOT RELATED TO PAVEMENT PATCHING SHALL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF WORK INVOLVED. THE MINIMUM CUT DEPTH INTO THE PAVEMENT SHALL BE 40mm UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- SEEDING SHALL BE PLACED ON ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS NOT OTHERWISE TO BE SODDED. NUTRIENTS AND MULCH SHALL BE APPLIED TO ALL SEEDING AREAS.
- DO NOT INCLUDE MULCH IN EROSION CONTROL BLANKET AREAS.
- EROSION CONTROL SHALL BE PLACED AROUND INLETS, END SECTIONS AND HEADWALLS IN ACCORDANCE WITH THE DETAILS IN THE PLANS.
- THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS TO THE HOT-MIX PLANT QUALITY CONTROL LAB SO THAT HOT-MIX PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICES FOR OTHER ITEMS IN THE CONTRACT.

**APPLICATION RATES**

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.4 metric ton/cu m
BITUMINOUS MATERIALS PRIME COAT	
HOT-MIX ASPHALT BASES	0.35 L/sq m
AGGREGATE BASES	1.5 L/sq m
AGGREGATE PRIME COAT	1.5 kg/sq m
HOT-MIX ASPHALT SURFACE & BINDER COURSE	0.0024 metric ton/sq m/mm
NITROGEN FERTILIZER NUTRIENT	100 kg/ha
PHOSPHORUS FERTILIZER NUTRIENT	100 kg/ha
POTASSIUM FERTILIZER NUTRIENT	100 kg/ha
LIME FOR MODIFIED SOIL	0.06856 metric ton /cu m

**MIXTURE DESIGN**

MIXTURE USE(S)	SURFACE	LEVEL BINDER	INCIDENTAL	HMA SHOULDERS (BOTTOM 93 mm)	HMA SHOULDERS (TOP 57 mm)	HMA BASE COURSE (PRA'S AND COMMERCIAL)	PAVEMENT PATCHING
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 58-22	PG 58-22	PG 64-22	PG 64-22
RAP % (MAX.)	10%	15%	20%	20%	20%	20%	20%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=50	4.0% @ Ndes=70	2.0% @ Ndes=30	4.0% @ Ndes=70	4.0% @ Ndes=70
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 or IL 12.5	IL 9.5	IL 9.5	IL 19.0	IL 9.5	IL 19.0	IL 19.0
FRICITION AGGREGATE	MIXTURE D	N/A	MIXTURE C	N/A	N/A	N/A	N/A

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>GENERAL NOTES</b>  SCALE NO SCALE                      DRAWN BY KOJ DATE FEBRUARY 6, 2009              CHECKED BY LWJ

PLOT DATE = 2/6/2009  
FILE NAME = H:\428\Contract 74349\SHIT\_0023.geno.dgn

H. M. & G. NO. 4420

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE					
				100% FED.					
				I000	RURAL	I000	RURAL	SFTY-1B RURAL	SFTY-1B RURAL
				F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33)					
				0+915.000 TO 2+756.900 2+756.900 2+756.900 2+756.900					
				AND TO TO TO					
				4+475.071 TO 4+874.474 4+475.071 4+475.071 4+475.071					
				100% FED.					
				CONSTRUCTION CODE TYPE					
				I000	RURAL	I000	RURAL	SFTY-1B RURAL	SFTY-1B RURAL
Δ	A2001016	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	20	15	5			
Δ	A2001316	TREE, ACER SACCHARINUM (SILVER MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	20	15	5			
Δ	A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	20	15	5			
Δ	A2006916	TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	20	15	5			
	M2010110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	248	105	143			
	M2010210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	413	120	293			
	M2010500	TREE REMOVAL, HECTARES	HA	0.1	0.1				
*	M2020010	EARTH EXCAVATION	CU M	13,195	11,007	2,188			
	M2020050	EARTH EXCAVATION (WIDENING)	CU M	550	550				
	M2080150	TRENCH BACKFILL	CU M	3281	28	3,253			
Δ	M2112500	TOPSOIL EXCAVATION AND PLACEMENT	CU M	3,970	3,960	10			
Δ	M2500200	SEEDING, CLASS 2	HA	3.2	3.2				
Δ	M2500400	NITROGEN FERTILIZER NUTRIENT	KG	390	320	70			
Δ	M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	390	320	70			
Δ	M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	390	320	70			
Δ	M2510115	MULCH, METHOD 2	HA	2.9	2.9				
Δ	M2510630	EROSION CONTROL BLANKET	SQ M	3,667	3,667				
Δ	M2520100	SODDING	SQ M	9815		9815			
Δ	M2520200	SUPPLEMENTAL WATERING	UNIT	736.2		736.2			
	M2800255	TEMPORARY EROSION CONTROL SEEDING	HA	3.2	3.2				
	M2800400	PERIMETER EROSION BARRIER	METER	100	100				

\* SEE SPECIAL PROVISIONS

Δ Specialty Items

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>SUMMARY OF QUANTITIES</b></p> <p>SCALE _____ DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009 CHECKED BY LWJ</p>

PLOT DATE = 2/17/2009  
 FILE NAME = R:\V420\Contract 74349\SHIT.004.dwg



SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE			
				100% FED.		SFTY-1B RURAL	
				1000	RURAL	1000	RURAL
M2800800	MULCH, METHOD 2	HA	2.9	2.9			
M2810707	STONE DUMPED RIPRAP, CLASS A4	SQ M	1,156	1,010	146		
M2820200	FILTER FABRIC	SQ M	1,703	1,557	146		
M2830400	AGGREGATE DITCH	M TON	293	293			
M3111100	SUB-BASE GRANULAR MATERIAL, TYPE B 100MM	SQ M	7,303	410	6,893		
M3511010	AGGREGATE BASE COURSE, TYPE B	M TON	253	167	86		
M3530200	PORTLAND CEMENT CONCRETE BASE COURSE, 200MM	SQ M	2,760		2,760		
M3550500	HOT-MIX ASPHALT BASE COURSE, 200MM	SQ M	353	353			
M4021010	AGGREGATE SURFACE COURSE, TYPE B	M TON	336	293	43		
M4021200	AGGREGATE FOR TEMPORARY ACCESS	M TON	680	96	584		
M4060100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	22,486	11,953	10,533		
M4060300	AGGREGATE (PRIME COAT)	M TON	100	55	45		
M4060895	CONSTRUCTING TEST STRIP	EACH	3	2	1		
M4060982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ M	297	297			
M4060990	TEMPORARY RAMP	SQ M	34	34			
M4062135	LEVELING BINDER (MACHINE METHOD), N70	M TON	2,901	1,505	1,396		
M4063340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	M TON	3,120	1,747	1,373		
M4080100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	3,326	1,345	1,981		
M4080300	AGGREGATE (PRIME COAT)	M TON	1	1			
M4080500	INCIDENTAL HOT-MIX ASPHALT SURFACING	M TON	285	126	159		
M4200200	PORTLAND CEMENT CONCRETE PAVEMENT 200MM	SQ M	2,252		2,252		

\* SEE SPECIAL PROVISIONS

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>SUMMARY OF QUANTITIES</b></p> <p>SCALE _____ DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009 CHECKED BY LWJ</p>

PLOT DATE = 2/17/2009  
 FILE NAME = H:\4420\Contract\74349\SHI\_004...name.VB.dgn

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	22RS-1	CRAWFORD	191	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE			
				I000	RURAL	I000	RURAL
				F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33)			
				0+915.000 TO 2+756.900 2+756.900 2+756.900 2+756.900			
				AND TO TO TO			
				100% FED. 4+475.071 TO 4+874.474 4+475.071 4+475.071 4+475.071			
M4205100	PAVEMENT FABRIC	SQ M	2,252			2,252	
M4230150	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 150MM	SQ M	858			858	
M4230200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 200MM	SQ M	2,616	287		2,329	
M4240100	PORTLAND CEMENT CONCRETE SIDEWALK 100MM	SQ M	3,293.5			1,493.5	1,800.0
M4245000	TEMPORARY SIDEWALK	SQ M	200			200	
M4248000	DETECTABLE WARNINGS	SQ M	39.7			39.7	
M4400715	HOT-MIX ASPHALT SURFACE REMOVAL, 15MM	SQ M	20,739	14,055		6,684	
M4400725	HOT-MIX ASPHALT SURFACE REMOVAL, 25MM	SQ M	3,400			3,400	
M4400740	HOT-MIX ASPHALT SURFACE REMOVAL, 40MM	SQ M	2,201	1,989		212	
M4400950	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ M	2,606	595		2,011	
M4402000	PAVEMENT REMOVAL	SQ M	6,473	276		6,197	
M4402010	DRIVEWAY PAVEMENT REMOVAL	SQ M	2,805	304		2,501	
M4402040	COMBINATION CURB AND GUTTER REMOVAL	METER	2,496			2,496	
M4402050	SIDEWALK REMOVAL	SQ M	3,767			1,927	1,840
M4405000	PAVED DITCH REMOVAL	METER	126	126			
M4420300	PAVEMENT PATCHING, TYPE I 300MM	SQ M	139	134		5	
M4422300	PAVEMENT PATCHING, TYPE II 300MM	SQ M	375	141		234	
M4423300	PAVEMENT PATCHING, TYPE III 300MM	SQ M	22			22	
M4424300	PAVEMENT PATCHING, TYPE IV 300MM	SQ M	330	135		195	
M4812150	AGGREGATE SHOULDERS, TYPE B 150MM	SQ M	5,747	5,726		21	
M4820550	HOT-MIX ASPHALT SHOULDERS, 150MM	SQ M	3,562	3,549		13	

\* SEE SPECIAL PROVISIONS

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p><b>SUMMARY OF QUANTITIES</b></p> <p>SCALE _____ DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009 CHECKED BY LWJ</p>

PLOT DATE = 2/17/2009  
 FILE NAME = H:\1420\Contract\74349\SHT\_004\_smmq\_V0.dgn



SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE			
				100% FED.		100% FED.	
				I000	RURAL	I000	RURAL
				F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)
				0+915.000 TO 2+756.900	2+756.900	2+756.900	2+756.900
				AND	TO	TO	TO
				4+475.071 TO 4+874.474	4+475.071	4+475.071	4+475.071
M542E028	END SECTIONS. 600MM	EACH	2	2			
M542E120	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 450MM	EACH	2	2			
M542E128	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 600MM	EACH	2		2		
M542E148	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 1050MM	EACH	1		1		
M542E160	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 1500MM	EACH	2	2			
M542H425	PIPE CULVERTS, CLASS D, TYPE 1 375MM	METER	13.5	13.5			
M542H430	PIPE CULVERTS, CLASS D, TYPE 1 450MM	METER	149.0	149.0			
M542H440	PIPE CULVERTS, CLASS D, TYPE 1 600MM	METER	34.5	34.5			
M5500030	STORM SEWERS, CLASS A, TYPE 1 300MM	METER	705.1		705.1		
M5500050	STORM SEWERS, CLASS A, TYPE 1 450MM	METER	242.3		242.3		
M5500065	STORM SEWERS, CLASS A, TYPE 1 600MM	METER	760.9		760.9		
M5500075	STORM SEWERS, CLASS A, TYPE 1 750MM	METER	180.1		180.1		
M5500085	STORM SEWERS, CLASS A, TYPE 1 900MM	METER	319.8		319.8		
M5500095	STORM SEWERS, CLASS A, TYPE 1 1050MM	METER	193.8		193.8		
M5500215	STORM SEWERS, CLASS B, TYPE 1 150MM	METER	7.2		7.2		
M5510010	STORM SEWER REMOVAL 150MM	METER	18		18		
M5510025	STORM SEWER REMOVAL 300MM	METER	43		43		
M5510045	STORM SEWER REMOVAL 450MM	METER	194		194		
M5510055	STORM SEWER REMOVAL 525MM	METER	87		87		
M5510060	STORM SEWER REMOVAL 600MM	METER	365		365		
M5900200	EPOXY CRACK INJECTION	METER	1	1			

\* SEE SPECIAL PROVISIONS

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE
		DATE FEBRUARY 6, 2009
		DRAWN BY KOJ
		CHECKED BY LWJ

PLOT DATE = 2/17/2009  
FILE NAME = H:\4428\Contract 74349\SHIT\_004\_sumq\_V8.dgn

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	ZZRS-1	CRAWFORD	191	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE					
				1000 RURAL		SFTY-1B RURAL			
				1000	RURAL	1000	RURAL		
				F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33)					
				0+915.000 TO 2+756.900 AND 4+475.071 TO 4+874.474		2+756.900 TO 4+475.071		2+756.900 TO 4+475.071	
				100% FED.					
M5930100	CONTROLLED LOW-STRENGTH MATERIAL	CU M	7.0	7.0					
M6022110	RESTRICTED DEPTH MANHOLES, 1.2M DIAMETER TYPE 1 FRAME, CLOSED LID	EACH	9		9				
M6022115	RESTRICTED DEPTH MANHOLES, 1.2M DIAMETER TYPE 3 FRAME AND GRATE	EACH	2		2				
M6022210	RESTRICTED DEPTH MANHOLES, 1.5M DIAMETER TYPE 1 FRAME, CLOSED LID	EACH	17		17				
M6022215	RESTRICTED DEPTH MANHOLES, 1.5M DIAMETER TYPE 3 FRAME AND GRATE	EACH	1		1				
M6022310	RESTRICTED DEPTH MANHOLES, 1.8M DIAMETER TYPE 1 FRAME, CLOSED LID	EACH	10		10				
M6022315	RESTRICTED DEPTH MANHOLES, 1.8M DIAMETER TYPE 3 FRAME AND GRATE	EACH	5		5				
M6023255	MANHOLES, SPECIAL, 2.4M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1				
M6060070	CONCRETE CURB, TYPE B	METER	283.4		283.4				
M6060500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B - 15.30	METER	131.9		131.9				
M6060700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B - 15.60	METER	3,083.9		3,083.9				
M6320030	GUARDRAIL REMOVAL	METER	7		7				
Δ M6690200	NON-SPECIAL WASTE DISPOSAL	CU M	291		291				
M7030100	SHORT-TERM PAVEMENT MARKING	METER	1,584	896	688				
M7030620	TEMPORARY PAINT PAVEMENT MARKING LINE 100 MM	METER	7,182	6,055	1127				
M7040100	TEMPORARY CONCRETE BARRIER	METER	300	300					
M7040200	RELOCATE TEMPORARY CONCRETE BARRIER	METER	300	300					
Δ M7800205	PAINT PAVEMENT MARKING-LINE 100 MM	METER	7,182	6,055	1127				
Δ M7800215	PAINT PAVEMENT MARKING-LINE 150 MM	METER	106.8		106.8				
Δ M7800240	PAINT PAVEMENT MARKING-LINE 600 MM	METER	15.6		15.6				
MX032188	CLASS SI CONCRETE, SPECIAL	CU M	15.0		15.0				

\* SEE SPECIAL PROVISIONS

Δ Specialty Items

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES
SCALE	DRAWN BY KOJ	CHECKED BY LWJ
DATE FEBRUARY 6, 2009		

PLOT DATE = 2/17/2009  
FILE NAME = H:\4429\Contract\74349\BIT\_084\_summ\_VB.dgn

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE			
				100% FED.		SFTY-1B RURAL	
				1000- RURAL	1000- RURAL	SFTY-1B RURAL	SFTY-1B RURAL
				F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)
				0+915.000 TO 2+756.900 AND 4+475.071 TO 4+874.474	2+756.900 TO 4+475.071	2+756.900 TO 4+475.071	2+756.900 TO 4+475.071
• MX032196	POLYMER MODIFIED PORTLAND CEMENT MORTAR	SQ M	8.0	8.0			
Δ MX032200	ENGINEERED BARRIER	SQ M	457		457		
• MX032509	GRADING AND SHAPING SPECIAL	SQ M	9,815		9,815		
MX033694	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 125 MM)	SQ M	0.4	0.4			
MX033731	PRECAST CONCRETE BOX CULVERT 900MM x 450MM	METER	5.2	5.2			
MX033734	PRECAST CONCRETE BOX CULVERT 1.8M x 0.6M (M273)	METER	15.3	15.3			
MX540110	PRECAST CONCRETE BOX CULVERT 1.5M x 0.6M	METER	64.4		64.4		
• MZ034730	MODULAR RETAINING WALL SYSTEM	SQ M	97.1		97.1		
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	6	6			
Z0030350	IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	6	6			
⊙ Z0076600	TRAINEES	hour	500	400	100		
28000300	TEMPORARY DITCH CHECKS	EACH	91	90	1		
28000500	INLET AND PIPE PROTECTION	EACH	17	16	1		
• 50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1		
• 50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1		
• 50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1		1		
• 50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1		1		
• 50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1		1		
• 50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1		1		
• 50100900	REMOVAL OF EXISTING STRUCTURES NO. 7	EACH	1		1		
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	2	2			

- \* SEE SPECIAL PROVISIONS
- Δ Specialty Items
- ⊙ Y08D

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
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SCALE		DRAWN BY KOJ
DATE FEBRUARY 6, 2009		CHECKED BY LWJ

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 FILE NAME = H:\4428\Contract 74349\SHI\_084\_summ\_V8.dgn



SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	ZZRS-1	CRAWFORD	191	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE			
				I000-2A RURAL	I000-2A RURAL	SFTY-1B RURAL	SFTY-1B RURAL
				F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)	F.A.P. 781 (IL. RTE. 33)
				0+915.000 TO 2+756.900	2+756.900	2+756.900	2+756.900
				AND	TO	TO	TO
				4+475.071 TO 4+874.474	4+475.071	4+475.071	4+475.071
				100% FED.			
54001002	BOX CULVERT END SECTION, CULVERT NO. 2	EACH	2	2			
54001003	BOX CULVERT END SECTION, CULVERT NO. 3	EACH	2	2			
54001004	BOX CULVERT END SECTION, CULVERT NO. 4	EACH	2	2			
54001005	BOX CULVERT END SECTION, CULVERT NO. 5	EACH	2	2			
54001006	BOX CULVERT END SECTION, CULVERT NO. 6	EACH	2	2			
54001007	BOX CULVERT END SECTION, CULVERT NO. 7	EACH	1		1		
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	84		84		
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	10		10		
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2		2		
* 60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	34		34		
* 60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	2		2		
* 60247400	JUNCTION BOX NO. 1	EACH	1		1		
60500040	REMOVING MANHOLES	EACH	5		5		
60500060	REMOVING INLETS	EACH	27		27		
60603300	GUTTER OUTLET	EACH	3		3		
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	34	32	2		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	10	6	4		
Δ 66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1		1		
Δ 66900530	SOIL DISPOSAL ANALYSIS	EACH	7		7		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	6	6		
67100100	MOBILIZATION	L SUM	1	0.5	0.5		

\* SEE SPECIAL PROVISIONS  
 Δ Specialty Items

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>SUMMARY OF QUANTITIES</b></p> <p>SCALE _____ DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009 CHECKED BY LWJ</p>

PLOT DATE = 2/17/2009  
 FILE NAME = H:\V\20\Contract\74349\SUMT\_2004\_sumsq\_V8.dgn

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE					
				1000		RURAL		SFTY-1B RURAL	
				I000	RURAL	I000	RURAL	SFTY-1B RURAL	SFTY-1B RURAL
				F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33) F.A.P. 781 (IL. RTE. 33)					
				0+915.000 TO 2+756.900 2+756.900 2+756.900 2+756.900					
				AND TO TO TO					
				100% FED. 4+475.071 TO 4+874.474 4+475.071 4+475.071 4+475.071					
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1					
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1					
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	3	3					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	25	25					
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3	3					
70106700	TEMPORARY RUMBLE STRIP	EACH	18	18					
▲ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	165	93	72				

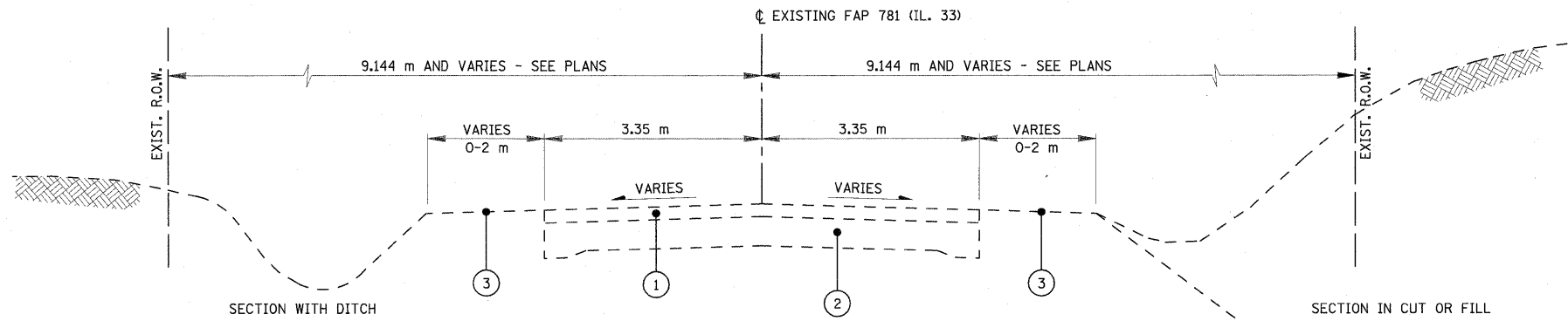
\* SEE SPECIAL PROVISIONS  
 ▲ Specialty Items

CONTINUED

PLOT DATE = 2/17/2009  
 FILE NAME = H:\4420\Contract 74349\SHI\_204\_sumq\_V8.dgn

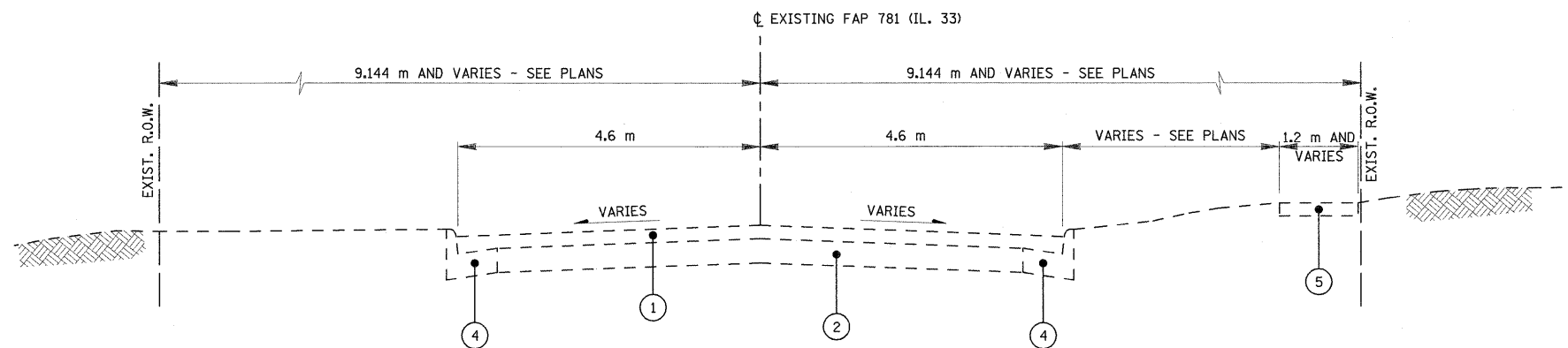
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES
SCALE	DRAWN BY KOJ	CHECKED BY LWJ
DATE FEBRUARY 6, 2009		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



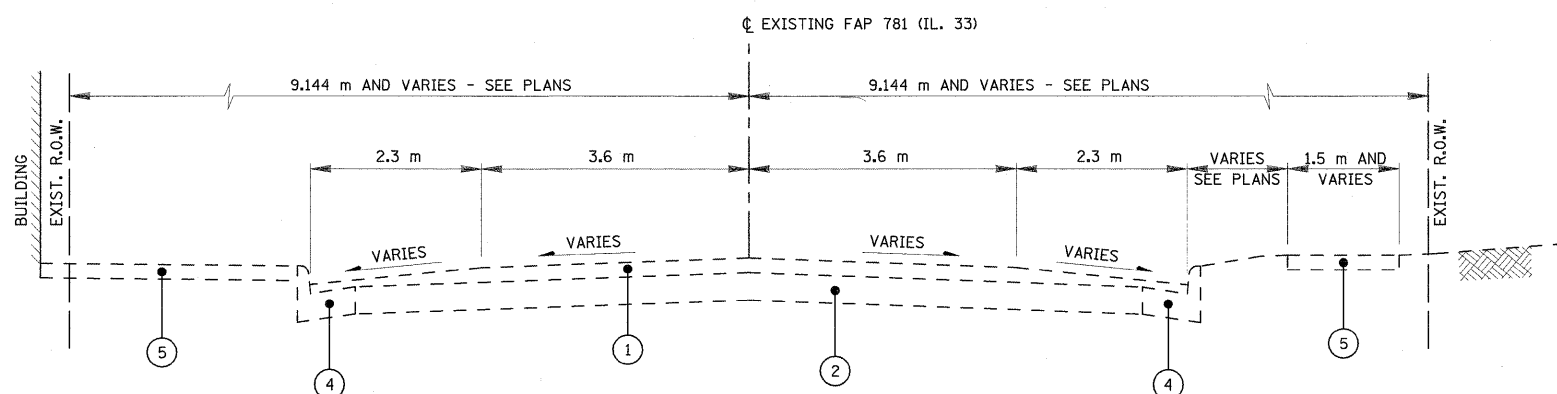
**EXISTING RTE. 33 SECTION**

STA. 0+915.000 TO STA. 2+755.000  
 STA. 4+465.000 TO STA. 4+633.011



**EXISTING ROUTE 33 SECTION**

STA. 2+755.000 TO STA. 3+390.000  
 STA. 3+750.000 TO STA. 4+465.000



**EXISTING ROUTE 33 SECTION**

STA. 3+390.000 TO STA. 3+750.000

**LEGEND**

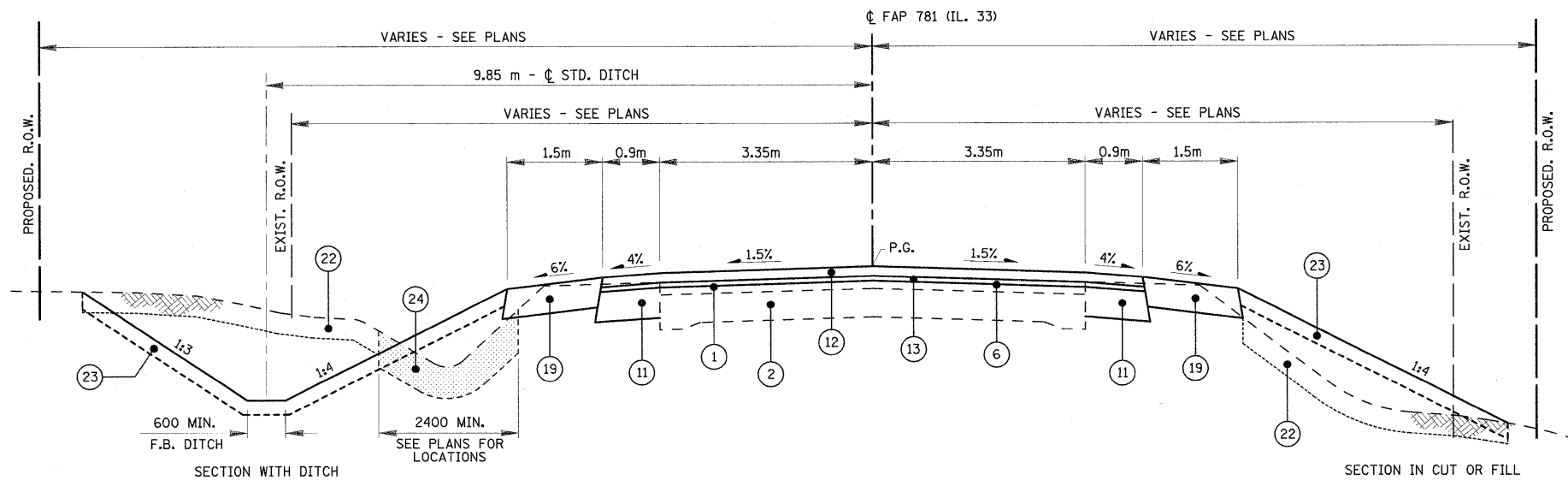
- ① EXISTING BITUMINOUS SURFACE
- ② EXISTING P.C. CONCRETE BASE
- ③ EXISTING EARTH SHOULDER
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ EXISTING CONCRETE SIDEWALK
- ⑥ M4400715 - HOT-MIX ASPHALT SURFACE REMOVAL, 15mm
- M4400725 - HOT-MIX ASPHALT SURFACE REMOVAL, 25mm
- M4400740 - HOT-MIX ASPHALT SURFACE REMOVAL, 40mm
- ⑦ M4400950 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑧ M4402000 - PAVEMENT REMOVAL
- ⑨ M4402050 - SIDEWALK REMOVAL
- ⑩ EXISTING AGGREGATE SHOULDER
- ⑪ M4820550 - HOT-MIX ASPHALT SHOULDERS, 150mm
- ⑫ M4063340 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (38mm)
- ⑬ M4062135 - LEVELING BINDER (MACHINE METHOD), N70
- ⑭ EXISTING BITUMINOUS PAVEMENT
- ⑮ EXISTING BITUMINOUS SHOULDER
- ⑯ M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- ⑰ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑱ M4810150 - AGGREGATE SHOULDERS, TYPE B 150mm
- ⑳ M6060700 - COMBINATION CONCRETE CURB & GUTTER, TYPE B-15.60
- ㉑ M4240100 - P.C. CONCRETE SIDEWALK, 100mm
- ㉒ M2112500 - TOPSOIL EXCAVATION
- ㉓ M2112500 - TOPSOIL PLACEMENT
- ㉔ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉕ MZ034730 - MODULAR RETAINING WALL SYSTEM
- ⑳ PROPOSED STORM SEWER TRUNKLINE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>TYPICAL SECTIONS</b> <b>F.A.P. 781</b>

SCALE NO SCALE      DRAWN BY KOJ  
 DATE FEBRUARY 6, 2009      CHECKED BY LWJ

PLOT DATE = 2/6/2009  
 FILE NAME = H:\4420\Contract 74349\SHF\_009.typedwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**TYPICAL RTE. 33 RURAL SECTION (TANGENT)**

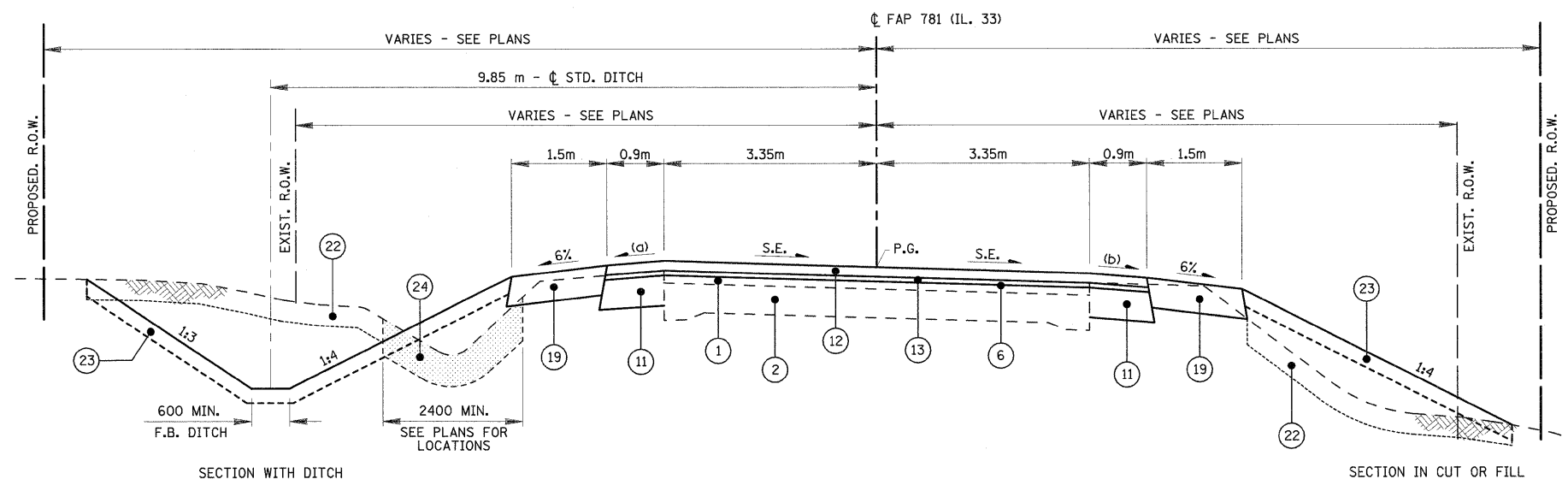
STA. 0+915.000 TO STA. 1+847.948  
 STA. 2+153.592 TO STA. 2+756.900  
 STA. 4+475.071 TO STA. 4+633.500

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE
- ② EXISTING P.C. CONCRETE BASE
- ③ EXISTING EARTH SHOULDER
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ EXISTING CONCRETE SIDEWALK
- ⑥ M4400715 - HOT-MIX ASPHALT SURFACE REMOVAL, 15mm  
 M4400725 - HOT-MIX ASPHALT SURFACE REMOVAL, 25mm  
 M4400740 - HOT-MIX ASPHALT SURFACE REMOVAL, 40mm
- ⑦ M4400950 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑧ M4402000 - PAVEMENT REMOVAL
- ⑨ M4402050 - SIDEWALK REMOVAL
- ⑩ EXISTING AGGREGATE SHOULDER
- ⑪ M4820550 - HOT-MIX ASPHALT SHOULDERS, 150mm
- ⑫ M4063340 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (38mm)
- ⑬ M4062135 - LEVELING BINDER (MACHINE METHOD), N70
- ⑭ EXISTING BITUMINOUS PAVEMENT
- ⑮ EXISTING BITUMINOUS SHOULDER
- ⑯ M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- ⑰ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑱ M4810150 - AGGREGATE SHOULDERS, TYPE B 150mm
- ⑲ M6060700 - COMBINATION CONCRETE CURB & GUTTER, TYPE B-15.60
- ⑳ M4240100 - P.C. CONCRETE SIDEWALK, 100mm
- ㉑ M2112500 - TOPSOIL EXCAVATION
- ㉒ M2112500 - TOPSOIL PLACEMENT
- ㉓ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉔ MZ034730 - MODULAR RETAINING WALL SYSTEM
- ㉕ PROPOSED STORM SEWER TRUNKLINE

**NOTES:**

- LEVELING BINDER THICKNESS TO BE 19 mm AT CENTERLINE AND 19 mm OR GREATER AT PAVEMENT EDGES, EXCEPT AT THE BRUSH CREEK VERTICAL REALIGNMENT AREA IN WHICH THE LEVELING BINDER THICKNESS WILL VARY.
- DITCH DEPTH AND BACKSLOPES VARY IN SPECIAL DITCH LOCATIONS AND BY CERTAIN LANDOWNERS; SEE PLANS FOR EXCEPTION AREAS
- WIDENING WIDTH IS BASED ON EDGE OF UNDERLAYING CONCRETE PAVEMENT. VISIBLE EDGE OF PAVEMENT MAY VARY IN DISTANCE FROM CENTERLINE DUE TO SUBSEQUENT OVERLAYS.
- (a) WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SLOPE SHALL BE 4%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER IS NOT GREATER THAN 8%.
- (b) SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE, BUT NOT LESS THAN 4%.



**TYPICAL RTE. 33 RURAL SECTION (SUPERELEVATED)**

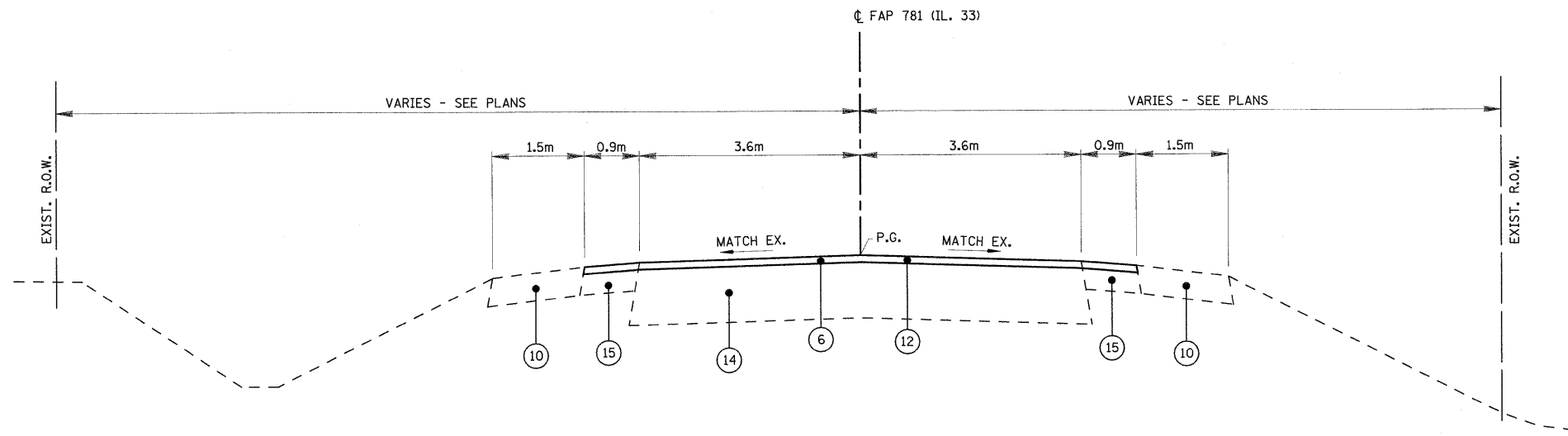
STA. 1+847.948 TO STA. 2+153.592

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>TYPICAL SECTIONS</b> <b>F.A.P. 781</b>  SCALE NO SCALE      DRAWN BY KOJ DATE FEBRUARY 6, 2009      CHECKED BY LWJ

PLOT DATE = 2/6/2009  
 FILE NAME = H:\4420\Contract 74349\SHI\_001\_tpsaoe.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**TYPICAL RTE. 33 RURAL SECTION (INLAY AT BRIDGE APPROACH)**  
 STA. 4+633.500 TO STA. 4+874.474

**LEGEND**

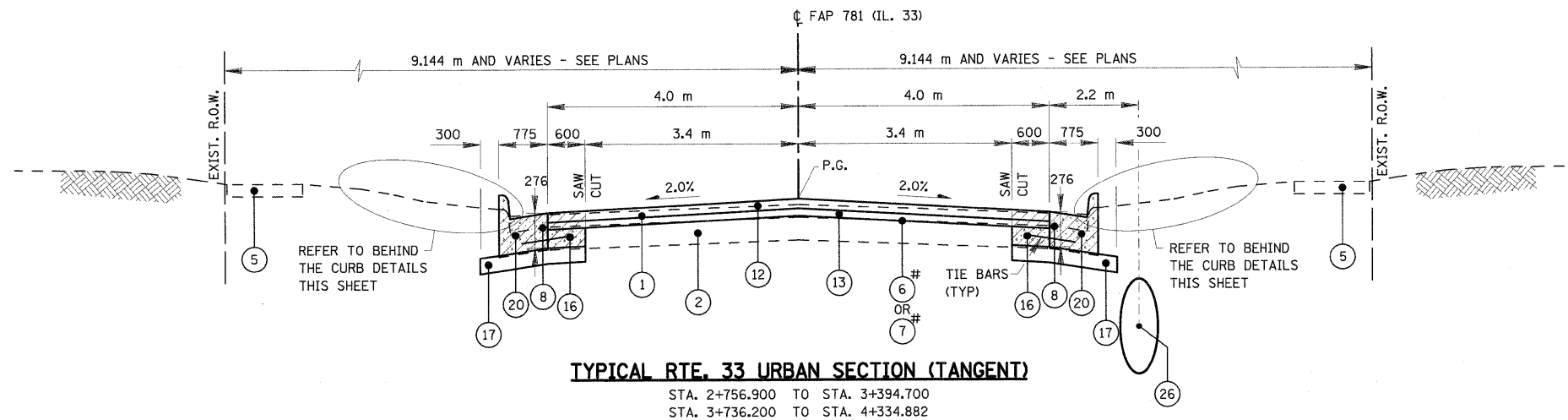
- ① EXISTING BITUMINOUS SURFACE
- ② EXISTING P.C. CONCRETE BASE
- ③ EXISTING EARTH SHOULDER
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ EXISTING CONCRETE SIDEWALK
- ⑥ M4400715 - HOT-MIX ASPHALT SURFACE REMOVAL, 15mm  
 M4400725 - HOT-MIX ASPHALT SURFACE REMOVAL, 25mm  
 M4400740 - HOT-MIX ASPHALT SURFACE REMOVAL, 40mm
- ⑦ M4400950 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑧ M4402000 - PAVEMENT REMOVAL
- ⑨ M4402050 - SIDEWALK REMOVAL
- ⑩ EXISTING AGGREGATE SHOULDER
- ⑪ M4820550 - HOT-MIX ASPHALT SHOULDERS, 150mm
- ⑫ M4063340 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (38mm)
- ⑬ M4062135 - LEVELING BINDER (MACHINE METHOD), N70
- ⑭ EXISTING BITUMINOUS PAVEMENT
- ⑮ EXISTING BITUMINOUS SHOULDER
- ⑯ M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- ⑰ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑱ M4810150 - AGGREGATE SHOULDERS, TYPE B 150mm
- ⑲ M6060700 - COMBINATION CONCRETE CURB & GUTTER, TYPE B-15.60
- ⑳ M4240100 - P.C. CONCRETE SIDEWALK, 100mm
- ㉑ M2112500 - TOPSOIL EXCAVATION
- ㉒ M2112500 - TOPSOIL PLACEMENT
- ㉓ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉔ M2034730 - MODULAR RETAINING WALL SYSTEM
- ㉕ PROPOSED STORM SEWER TRUNKLINE

PLOT DATE = 2/6/2009  
 FILE NAME = H:\4420\Contract 74349\SHI\_001.tpsaeo.dgn

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>TYPICAL SECTIONS</b> <b>F.A.P. 781</b>
SCALE	DRAWN BY KOJ	CHECKED BY LWJ
DATE FEBRUARY 6, 2009		

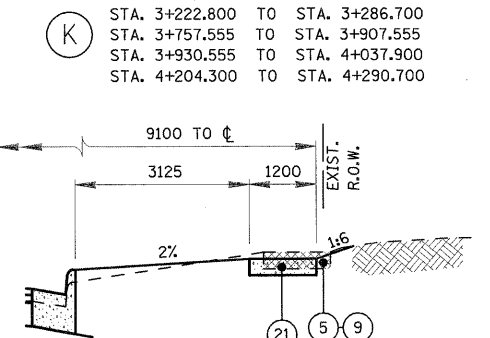
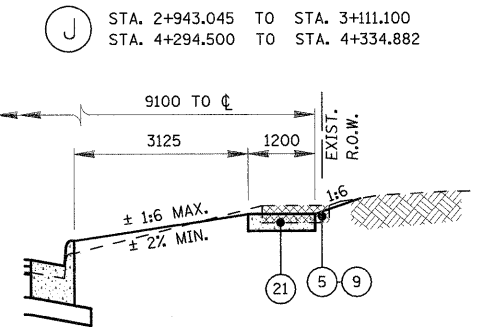
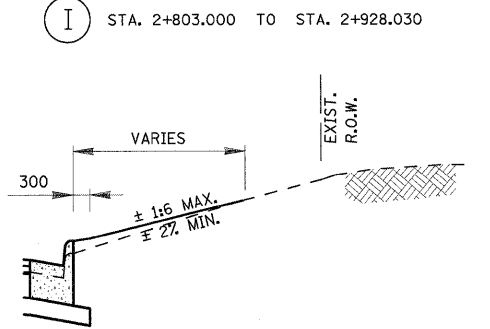
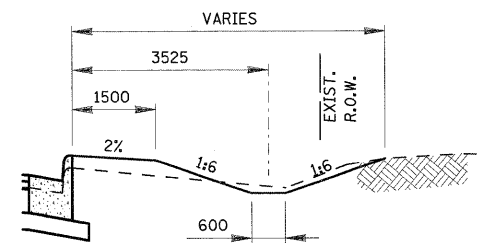
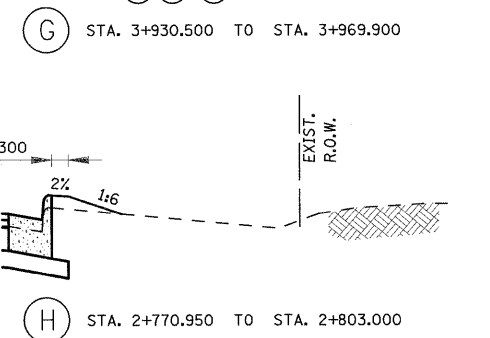
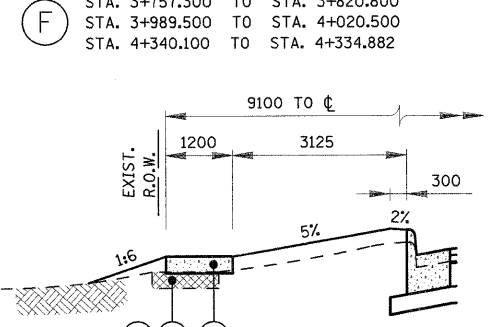
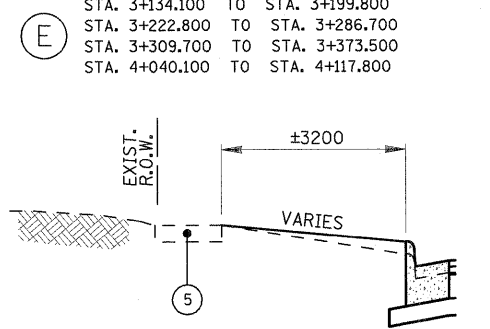
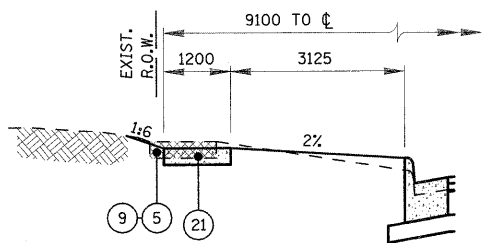
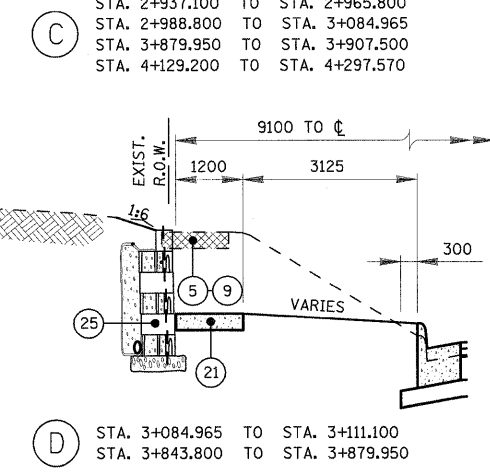
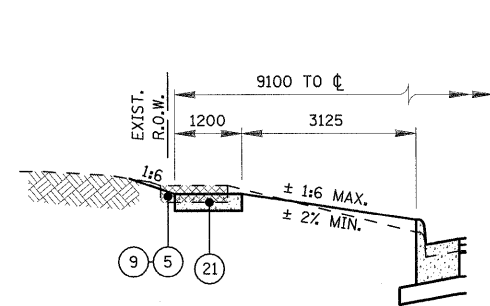
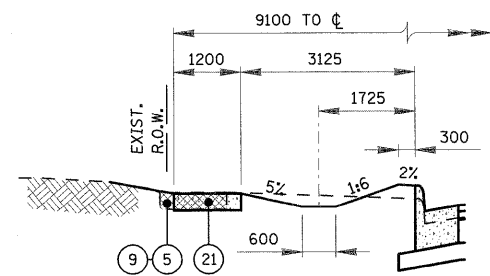
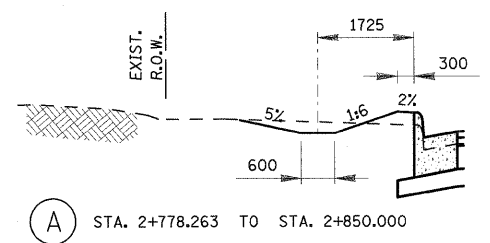
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**TYPICAL RTE. 33 URBAN SECTION (TANGENT)**

STA. 2+756.900 TO STA. 3+394.700  
 STA. 3+736.200 TO STA. 4+334.882



**LEGEND**

- 1 EXISTING BITUMINOUS SURFACE
- 2 EXISTING P.C. CONCRETE BASE
- 3 EXISTING EARTH SHOULDER
- 4 EXISTING CONCRETE CURB AND GUTTER
- 5 EXISTING CONCRETE SIDEWALK
- 6 M4400715 - HOT-MIX ASPHALT SURFACE REMOVAL, 15mm  
 M4400725 - HOT-MIX ASPHALT SURFACE REMOVAL, 25mm  
 M4400740 - HOT-MIX ASPHALT SURFACE REMOVAL, 40mm
- 7 M4400950 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- 8 M4402000 - PAVEMENT REMOVAL
- 9 M4402050 - SIDEWALK REMOVAL
- 10 EXISTING AGGREGATE SHOULDER
- 11 M4820550 - HOT-MIX ASPHALT SHOULDERS, 150mm
- 12 M4063340 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (38mm)
- 13 M4062135 - LEVELING BINDER (MACHINE METHOD), N70
- 14 EXISTING BITUMINOUS PAVEMENT
- 15 EXISTING BITUMINOUS SHOULDER
- 16 M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- 17 M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- 19 M4810150 - AGGREGATE SHOULDERS, TYPE B 150mm
- 20 M6060700 - COMBINATION CONCRETE CURB & GUTTER, TYPE B-15.60
- 21 M4240100 - P.C. CONCRETE SIDEWALK, 100mm
- 22 M2112500 - TOPSOIL EXCAVATION
- 23 M2112500 - TOPSOIL PLACEMENT
- 24 M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- 25 M2034730 - MODULAR RETAINING WALL SYSTEM
- 26 PROPOSED STORM SEWER TRUNKLINE

# SEE HMA SURFACE REMOVAL SCHEDULE FOR LIMITS

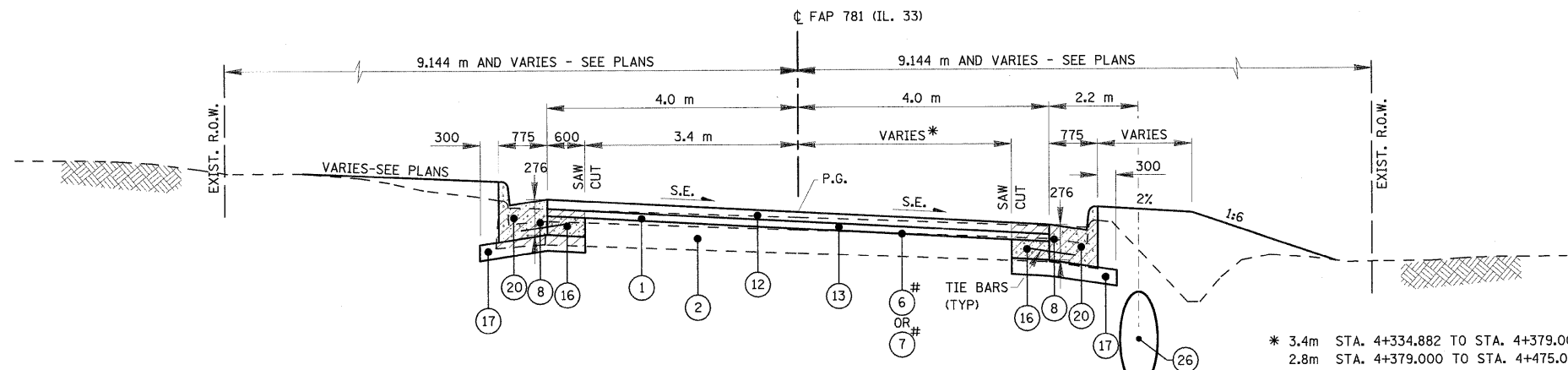
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>TYPICAL SECTIONS</b>  <b>F.A.P. 781</b></p> <p>SCALE NO SCALE      DRAWN BY KOJ                      DATE FEBRUARY 6, 2009      CHECKED BY LWJ</p>

PLOT DATE = 2/6/2009  
 FILE NAME = H:\4420\Contract 74349\SHI\_001\_tuprac.dgn

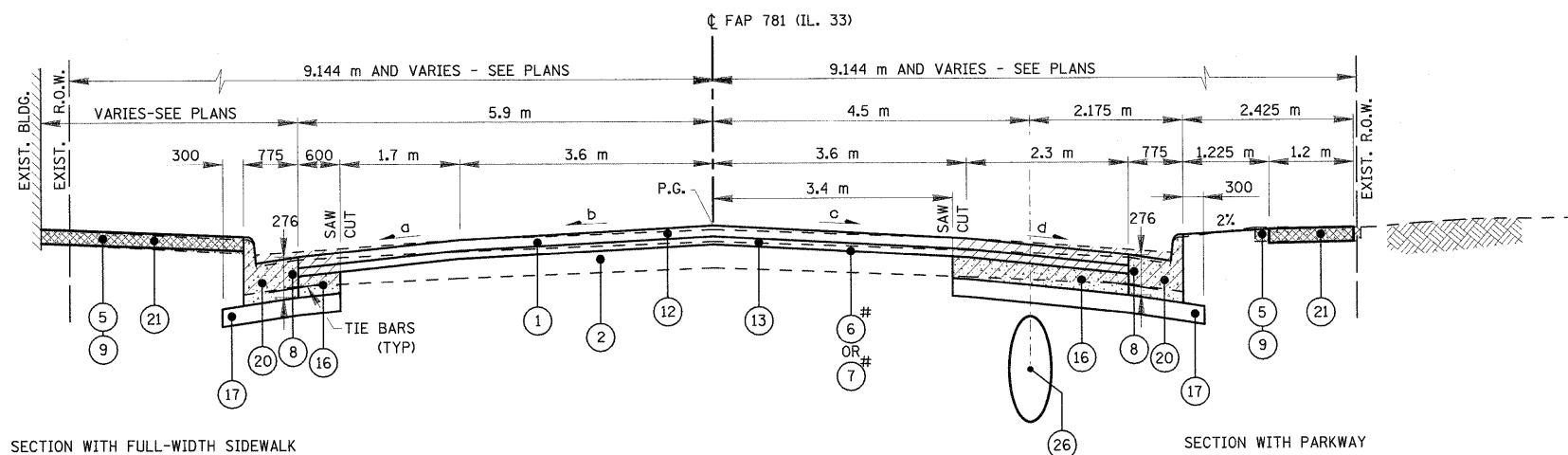
H. M. & G. NO. 4420



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**TYPICAL RTE. 33 URBAN SECTION (SUPERELEVATED)**  
STA. 4+334.882 TO STA. 4+475.071



SECTION WITH FULL-WIDTH SIDEWALK

SECTION WITH PARKWAY

LOCATION	PAVEMENT CROSSESLOPES (PERCENT)			
	a	b	c	d
STA. 3+394.700 TO STA. 3+463.476	4.0	2.0	2.0	4.0
STA. 3+463.476 TO STA. 3+468.500	4.0	2.0	2.0	TRANSITION
STA. 3+468.500 TO STA. 3+488.500	4.0	2.0	2.0	3.0
STA. 3+488.500 TO STA. 3+498.500	4.0	TRANSITION	2.0	3.0
STA. 3+498.500 TO STA. 3+525.000	4.0	4.0	2.0	3.0
STA. 3+525.000 TO STA. 3+532.500	4.0	4.0	TRANSITION	TRANSITION
STA. 3+532.500 TO STA. 3+675.000	4.0	4.0	1.5	1.5
STA. 3+675.000 TO STA. 3+725.000	4.0	TRANSITION	TRANSITION	TRANSITION
STA. 3+725.000 TO STA. 3+736.200	4.0	2.0	2.0	4.0

**TYPICAL RTE. 33 URBAN SECTION (TANGENT)**  
STA. 3+394.700 TO STA. 3+736.200  
RANGE ST. (NORTH & SOUTH)

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE
- ② EXISTING P.C. CONCRETE BASE
- ③ EXISTING EARTH SHOULDER
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ EXISTING CONCRETE SIDEWALK
- ⑥ M4400715 - HOT-MIX ASPHALT SURFACE REMOVAL, 15mm  
M4400725 - HOT-MIX ASPHALT SURFACE REMOVAL, 25mm  
M4400740 - HOT-MIX ASPHALT SURFACE REMOVAL, 40mm
- ⑦ M4400950 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑧ M4402000 - PAVEMENT REMOVAL
- ⑨ M4402050 - SIDEWALK REMOVAL
- ⑩ EXISTING AGGREGATE SHOULDER
- ⑪ M4820550 - HOT-MIX ASPHALT SHOULDERS, 150mm
- ⑫ M4063340 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (38mm)
- ⑬ M4062135 - LEVELING BINDER (MACHINE METHOD), N70
- ⑭ EXISTING BITUMINOUS PAVEMENT
- ⑮ EXISTING BITUMINOUS SHOULDER
- ⑯ M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- ⑰ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑱ M4810150 - AGGREGATE SHOULDERS, TYPE B 150mm
- ⑲ M6060700 - COMBINATION CONCRETE CURB & GUTTER, TYPE B-15.60
- ⑳ M4240100 - P.C. CONCRETE SIDEWALK, 100mm
- ㉑ M2112500 - TOPSOIL EXCAVATION
- ㉒ M2112500 - TOPSOIL PLACEMENT
- ㉓ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉔ MZ034730 - MODULAR RETAINING WALL SYSTEM
- ㉕ PROPOSED STORM SEWER TRUNKLINE

# SEE HMA SURFACE REMOVAL SCHEDULE FOR LIMITS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>TYPICAL SECTIONS</b> <b>F.A.P. 781</b>  SCALE NO SCALE                      DRAWN BY KOJ DATE FEBRUARY 6, 2009              CHECKED BY LWJ

PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract 74349\SHI\_009-typrae.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	ZZRS-1	CRAWFORD	191	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**TREE REMOVAL**

LOCATION			EXISTING OCTOBER, 1996 TREE SURVEY	COMMON NAME	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL HECTARES
STATION	OFFSET	RT/LT	MM		UNIT	UNIT	HA
<b>RURAL</b>							
1+772.4	10.7	LT			6		
1+787.4	10.9	LT			6		
1+886.5	7.8	RT			6		
1+886.5	18.4	RT			6		
1+887.3	15.1	RT	275	CMN PERSIMMON	11		
1+888.3	18.1	RT			6		
1+889.9	17.5	RT			6		
1+923.7	10.5	RT			6		
1+959.2	29.1	RT			6		
1+966.7	8.9	LT	1025	RED MAPLE		40	
1+970.2	24.7	RT	450	RED MAPLE		18	
2+009.3	9.8	LT			6		
2+036.0 TO 2+120.0	13.0	RT					0.04
2+327.8	20.0	RT			6		
2+440.0	19.8	RT			6		
2+555.6	8.2	LT	325	RED MAPLE	13		
2+564.5	8.1	LT	450	RED MAPLE		18	
2+582.3	9.3	LT	375	RED MAPLE	15		
2+590.7	9.5	LT	500	SUGAR MAPLE		20	
2+598.2	8.6	LT	600	RED MAPLE		24	
					105	120	0.04
<b>OBLONG</b>							
2+906.2	5.8	LT	800	RED MAPLE		28	
2+924.4	6.0	LT	925	RED MAPLE		37	
2+943.4	6.5	LT	800	RED MAPLE		28	
2+959.6	5.9	LT	1075	RED MAPLE		43	
2+971.6	11.2	LT			6		
2+987.1	10.6	LT			6		
2+997.9	10.2	LT			6		
3+027.9	5.7	LT	375	RED MAPLE	15		
3+036.8	5.9	LT	550	RED MAPLE		22	
3+044.7	6.5	LT	550	RED MAPLE		22	
3+058.0	6.1	LT	350	RED MAPLE	14		
3+069.6	5.6	LT	625	RED MAPLE		25	
3+099.3	6.3	LT	725	RED MAPLE		29	
3+108.1	6.1	LT	500	RED MAPLE		20	
3+115.7	6.1	LT	425	RED MAPLE	17		
3+129.2	9.6	LT	525	SUGAR MAPLE		21	
3+135.2	9.9	LT			6		
3+142.3	9.7	LT			6		
3+217.2	9.8	LT	450	SUGAR MAPLE		18	
3+281.7	9.4	RT			6		
3+291.3	11.2	RT			6		
3+765.0	6.6	LT	325	RED MAPLE	13		
3+844.0	9.6	LT			6		
3+862.0	9.7	LT			6		
4+224.4	6.8	LT			6		
4+231.2	6.9	LT			6		
4+259.9	6.5	LT		WILLOW	6		
4+268.8	6.7	LT		WILLOW	6		
4+468.2	11.7	LT			6		
					143	293	0.00
<b>TOTALS</b>					248	413	0.04
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>					248	413	0.1

**GUARDRAIL REMOVAL**

LOCATION				GUARDRAIL REMOVAL
				M6320030
	RT/LT	METER		
<b>OBLONG</b>				
2+762.000 TO 2+768.000	RT	6.6		
<b>TOTAL</b>				6.6
<b>TOTAL ROUNDED FOR SUMMARY SHEET</b>				7

PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract 74349\SH\_014\_sch.dwg

H. M. & G. NO. 4420

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>SCHEDULE OF QUANTITIES</b>  SCALE NO SCALE      DRAWN BY KOJ DATE FEBRUARY 6, 2009      CHECKED BY LWJ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**SIDEWALK REMOVAL**

LOCATION				SIDEWALK REMOVAL		LOCATION				SIDEWALK REMOVAL	
				100% STATE	100% CITY					100% STATE	100% CITY
				M4402050						M4402050	
STATION	TO	STATION	LT/RT	SQ M		STATION	TO	STATION	LT/RT	SQ M	
<b>OBLONG</b>											
2+855.2	TO	2+889.3	LT	3.23	28.80	3+440.3	TO	3+468.1	RT	70.92	
2+861.4			LT		1.23	3+442.5	TO	3+478.9	LT	67.48	37.68
2+877.3			LT		1.39	3+477.6	TO	3+486.7	RT	24.58	
2+895.8	TO	2+974.2	LT	27.53	64.92	3+486.9	TO	3+498.8	LT	15.04	8.40
2+909.0			LT		1.07	3+503.5	TO	3+527.2	RT	53.42	45.50
2+928.5			LT		1.06	3+513.0	TO	3+567.9	LT	105.70	110.00
2+962.0			LT		1.15	3+531.9	TO	3+567.0	RT	88.74	28.90
2+980.3	TO	3+119.3	LT	52.13	115.68	3+577.1	TO	3+654.8	RT	212.46	58.40
2+993.1			LT		1.37	3+577.3	TO	3+654.8	LT	154.02	152.60
3+011.7			LT		2.07	3+663.7	TO	3+674.5	LT	19.74	
3+032.5			LT		2.36	3+664.4	TO	3+740.0	RT	89.84	
3+032.5			LT		0.78	3+671.9			RT	2.11	
3+050.4			LT		1.32	3+734.7	TO	3+742.0	LT	8.76	
3+050.5			LT		3.35	3+749.1	TO	3+880.4	RT	71.16	111.72
3+070.1			LT		1.28	3+749.5	TO	3+757.5	LT	22.32	
3+089.0			LT	1.38		3+800.5			RT	2.66	
3+107.6	TO	3+120.7	RT	40.36		3+820.6	TO	3+828.7	LT	10.13	
3+108.7			RT	3.81		3+832.3			RT		1.49
3+109.2			LT	4.16		3+836.1	TO	3+915.5	LT	101.13	11.52
3+112.5			RT	5.11		3+853.6			LT	3.58	
3+126.6	TO	3+162.8	LT	11.79	31.92	3+853.7			LT	2.44	
3+128.2	TO	3+207.6	RT	44.90	94.86	3+860.4			RT		2.38
3+140.9			RT		1.63	3+860.4			RT		1.26
3+142.8			RT		5.97	3+880.6			LT	2.84	
3+143.0			LT		5.76	3+880.6			LT	2.89	
3+144.3			LT		0.99	3+884.1	TO	3+891.0	RT	8.56	
3+157.1			LT		1.43	3+894.0	TO	3+915.5	RT	28.36	13.08
3+165.1	TO	3+173.4	LT	10.14		3+898.0			RT		1.73
3+178.0	TO	3+207.8	LT	23.95	21.00	3+898.8			LT		3.22
3+189.3			LT		2.07	3+922.8	TO	4+152.5	RT	77.62	201.36
3+202.4			RT	1.08		3+922.8	TO	3+973.9	LT	58.92	
3+215.0	TO	3+294.6	LT	31.91	48.60	3+933.0			RT		2.82
3+215.1	TO	3+294.3	RT	41.71	67.44	3+934.7			LT	1.80	
3+221.3			LT	1.67		3+953.0			RT	0.00	1.16
3+229.4			RT		2.83	3+985.7	TO	3+988.5	LT	3.91	
3+246.1			RT		2.57	3+996.1			RT		1.68
3+260.9			RT		2.80	4+005.2			RT		1.86
3+265.6			LT	1.29		4+021.5	TO	4+024.4	LT	4.05	
3+280.0			RT		2.88	4+030.4			RT		0.30
3+283.2			LT		1.26	4+036.3	TO	4+302.2	LT	81.73	234.00
3+301.5	TO	3+380.4	LT	45.31	65.88	4+085.4			RT		1.41
3+301.7	TO	3+381.5	RT	85.25	34.08	4+105.7			RT		2.22
3+315.6			LT		1.05	4+112.5			LT		1.63
3+333.8			LT		1.02	4+129.9			RT		1.59
3+362.6			LT		2.45	4+160.1	TO	4+289.9	RT	40.94	113.88
3+389.0	TO	3+421.3	RT	24.24	14.40	4+176.1			RT		0.49
3+390.3	TO	3+432.0	LT	27.44	38.88	4+179.0			LT		1.28
3+396.6			RT		1.45	4+211.2			LT		1.69
3+411.7			LT		1.56	4+218.6			RT		0.97
3+411.7			LT		1.03	4+237.1			LT		0.12
SUBTOTAL				488.39	683.64	SUBTOTAL				1,437.85	1,156.34
TOTALS				1,926.24	1,839.98	TOTALS					
TOTALS ROUNDED FOR SUMMARY SHEET				1,927	1,840	TOTALS ROUNDED FOR SUMMARY SHEET					

**DRIVEWAY PAVEMENT REMOVAL**

LOCATION			DRIVEWAY PAVEMENT REMOVAL	LOCATION			DRIVEWAY PAVEMENT REMOVAL
			M4402010				M4402010
STATION	RT/LT		SQ M	STATION	RT/LT		SQ M
<b>RURAL</b>							
STA 1+392.000	LT		78.4	STA 3+943.900	RT		13.8
STA 2+403.300	RT/LT		152.6	STA 3+979.700	LT		79.9
STA 2+575.600	LT		73.1	STA 3+984.000	RT		13.7
			304.1	STA 3+989.500	RT		10.9
<b>OBLONG</b>							
STA 2+789.500	LT		15.6	STA 4+030.300	LT		80.9
STA 2+934.500	LT		18.9	STA 4+039.700	RT		10.2
STA 2+937.700	RT		41.9	STA 4+072.000	LT		13.5
STA 2+989.500	RT		114.9	STA 4+075.600	RT		21.4
STA 3+073.400	LT		10.0	STA 4+098.500	LT		21.2
STA 3+163.800	RT		29.1	STA 4+112.200	RT		13.1
STA 3+163.900	LT		13.4	STA 4+119.600	LT		16.8
STA 3+176.000	LT		25.9	STA 4+126.700	LT		29.8
STA 3+252.200	LT		12.3	STA 4+168.500	LT		17.1
STA 3+255.100	RT		9.5	STA 4+189.800	LT		12.5
STA 3+269.400	LT		13.8	STA 4+202.500	RT		14.5
STA 3+308.500	LT		9.7	STA 4+220.500	LT		20.0
STA 3+317.800	RT		58.3	STA 4+223.200	RT		24.2
STA 3+334.000	RT		48.7	STA 4+257.700	RT		21.5
STA 3+345.500	RT		12.2	STA 4+292.600	RT		23.8
STA 3+354.500	LT		12.5	STA 4+307.000	LT		43.4
STA 3+433.400	RT		90.5	STA 4+374.000	RT		40.7
STA 3+437.300	LT		37.4	STA 4+391.900	LT		167.0
STA 3+452.200	RT		40.9	STA 4+432.100	LT		223.9
STA 3+493.700	RT		83.6	STA 4+441.500	RT		43.8
STA 3+504.600	LT		34.2	STA 4+452.600	LT		149.0
STA 3+529.700	RT		22.6	JACKSON ST.			
STA 3+681.850	RT		67.6	STA 10+019.200	LT		92.1
STA 3+696.300	RT		40.0	ADAMS ST.			
STA 3+708.200	RT		122.4	STA 10+015.100	RT		46.5
STA 3+790.100	RT		18.2	STA 10+015.100	LT		27.4
STA 3+806.100	RT		11.7	GARFIELD ST.			
STA 3+822.600	RT		10.8	STA 10+016.225	LT		20.6
STA 3+882.200	RT		18.4	GRANT ST.			
STA 3+887.900	LT		9.6	STA 10+014.700	RT		38.5
STA 3+892.500	RT		15.4	HARRISON ST.			
STA 3+906.322	LT		12.4	STA 9+975.225	LT		66.3
SUBTOTALS			1,082.4	SUBTOTALS			1,418.0
TOTALS				TOTALS			2,804.5
TOTALS ROUNDED FOR SUMMARY SHEET				TOTALS ROUNDED FOR SUMMARY SHEET			2,805

PLOT DATE = 2/6/2009  
FILE NAME = H:\V4420\Contract 74349\SHI\_014\_sch.plt scheduled\_V8.dgn

H. M. & G. NO. 4420

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES
SCALE	NO SCALE	DRAWN BY KOJ
DATE	FEBRUARY 6, 2009	CHECKED BY LWJ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**HOT-MIX ASPHALT SURFACE REMOVAL**

LOCATION				HOT-MIX ASPHALT SURFACE REMOVAL							TEMPORARY RAMP
				VARIABLE DEPTH			BUTT JOINT	M4060982	M4060990		
				15mm @ CENTERLINE	25mm @ CENTERLINE	40mm @ CENTERLINE					
STATION	TO	STATION	RT/LT	M4400715 SQ M	M4400725 SQ M	M4400740 SQ M	M4400950 SQ M	M4400950 SQ M	M4060982 SQ M	M4060990 SQ M	
<b>RURAL</b>											
0+915.000	TO	0+935.000	LT & RT						151.7	15.2	
0+935.000	TO	2+756.900	LT & RT	13,570.7							
				13,570.7	0.0	0.0	0.0	0.0	151.7	15.2	
<b>OBLONG</b>											
2+756.900	TO	3+155.000	LT	1,353.5							
2+756.900	TO	2+770.950	RT	54.6							
2+770.950	TO	3+155.000	RT	1,305.8							
3+155.000	TO	3+350.000	LT & RT		1,326.0						
3+350.000	TO	3+394.700	LT & RT	304.0							
3+394.700	TO	3+495.000	LT & RT	872.6							
3+495.000	TO	3+535.000	LT			212.0					
3+495.000	TO	3+535.000	RT	136.0							
3+535.000	TO	3+555.000	LT & RT				174.0				
3+555.000	TO	3+625.000	LT & RT					608.9			
3+625.000	TO	3+736.200	LT & RT					967.5			
3+736.200	TO	3+755.000	LT & RT					127.8			
3+755.000	TO	4+055.000	LT & RT	2,040.0							
4+055.000	TO	4+360.000	LT & RT		2,074.0						
4+360.000	TO	4+440.000	LT & RT	513.6							
4+440.000	TO	4+475.071	LT				132.4				
4+440.000	TO	4+475.071	RT	103.7							
				6,683.8	3,400.0	212.0	306.4	1,095.3	608.9	0.0	
<b>RURAL</b>											
4+475.071	TO	4+635.000	LT				594.7				
4+475.071	TO	4+635.000	RT	483.6							
4+633.500	TO	4+653.500	LT & RT						144.7		
4+653.500	TO	4+874.474	LT & RT			1,988.8				18.0	
				483.6	0.0	1,988.8	594.7	0.0	0.0	144.7	
										18.0	
<b>TOTALS</b>				20,738.1	3,400.0	2,200.8	901.1	1,095.3	608.9	296.4	33.2
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				20,739	3,400	2,201		2,606		297	34

**COMBINATION CURB AND GUTTER REMOVAL**

LOCATION				COMBINATION CURB AND GUTTER REMOVAL
				M4402040
STATION	TO	STATION	LT/RT	METER
<b>OBLONG</b>				
STA 2+756.9	TO	JEFFERSON STREET	RT	281.50
TR 150	TO	JOY STREET	LT	89.40
JOY STREET	TO	MADISON STREET	LT	63.00
MADISON STREET	TO	JEFFERSON STREET	LT	84.90
JEFFERSON STREET	TO	WASHINGTON STREET	LT	112.60
JEFFERSON STREET	TO	WASHINGTON STREET	RT	59.50
WASHINGTON STREET	TO	JACKSON STREET	LT	68.20
WASHINGTON STREET	TO	JACKSON STREET	RT	65.20
JACKSON STREET	TO	WILSON STREET	LT	77.60
JACKSON STREET	TO	ADAMS STREET	RT	89.70
WILSON STREET	TO	RANGE STREET	LT	156.50
ADAMS STREET	TO	RANGE STREET	RT	68.40
RANGE STREET	TO	GARFIELD STREET	LT	82.20
RANGE STREET	TO	GARFIELD STREET	RT	84.80
GARFIELD STREET	TO	GRANT STREET	LT	81.40
GARFIELD STREET	TO	GRANT STREET	RT	10.60
GRANT STREET	TO	HARRISON STREET	LT	84.90
HARRISON STREET	TO	TAYLOR STREET	LT	85.20
GRANT STREET	TO	TAYLOR STREET	RT	137.20
TAYLOR STREET	TO	STA 4+475.071	LT	332.20
TAYLOR STREET	TO	ROOSEVELT STREET	RT	199.20
ROOSEVELT STREET	TO	STA 4+475.071	RT	181.20
<b>TOTALS</b>				2,495.40
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				2,496

**REMOVAL OF EXISTING STRUCTURES**

LOCATION	DESCRIPTION	REMOVAL OF EXISTING STRUCTURES
STATION	RT/LT	50100X00 EACH
<b>OBLONG</b>		
STA 3+482	RT	CONCRETE BOLLARD; APPROX. 1.5m(L) X 1.2m(W) X 0.3m(H)
STA 3+486	RT	CONCRETE BOLLARD; APPROX. 1.4m(L) X 1.3m(W) X 0.3m(H)
STA 3+858	LT	CONCRETE WALL; APPROX. 37.5m(L) X 0.2m(W) X 0.5m(H)
STA 3+852	LT	BRICK COLUMN; APPROX. 500mm(L) X 500mm(W) X 900mm(H)
STA 3+854	LT	BRICK COLUMN; APPROX. 500mm(L) X 500mm(W) X 900mm(H)
STA 4+289	RT	BRICK COLUMN; APPROX. 450mm(L) X 450mm(W) X 900mm(H)
STA 4+295	RT	BRICK COLUMN; APPROX. 450mm(L) X 450mm(W) X 900mm(H)

**STORM SEWER REMOVAL**

LOCATION			STORM SEWER REMOVAL					TRENCH BACKFILL
			150	300	450	525	600	
STATION	LT/RT/AR		M5510010 METER	M5510025 METER	M5510045 METER	M5510055 METER	M5510060 METER	M2080150 CU. M
STA 2+767.500	TO	3+131.700					364.2	196.7
STA 3+131.700	TO	3+218.100				86.4		32.4
STA 3+206.600			9.0					1.6
STA 3+216.600			9.0					1.6
STA 3+391.000	TO	3+563.700			172.7			62.2
STA 3+563.700	TO	3+567.300			7.0			
STA 3+652.500	TO	3+656.800		4.3				0.7
STA 3+656.900				25.3				9.1
STA 3+652.500	TO	3+656.800		4.3				0.7
STA 4+403.700					13.4			
STA 4+448.200	TO	4+457.200		9.0				1.6
<b>TOTALS</b>			18.0	42.9	193.1	86.4	364.2	306.6
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>			18	43	194	87	365	307

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>SCHEDULE OF QUANTITIES</b></p> <p>SCALE NO SCALE      DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009      CHECKED BY LWJ</p>

PLOT DATE = 2/6/2009  
FILE NAME = H:\4428\Contract 74349\BHT\_014\_sch\_all\_schedules\_V8.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**PIPE CULVERT REMOVAL/REMOVE EXISTING CULVERTS**

LOCATION		EXISTING MATERIAL	SIZE (mm)	EXISTING END TREATMENT		REMOVE EXISTING CULVERTS	PIPE CULVERT REMOVAL
STATION	LT/RT			UPSTREAM	DOWNSTREAM	M5010521 METER	M5010522 METER
<b>RURAL</b>							
0+950.000	RT	CMP	420				7.0
1+201.500	LT	CMP	460				10.0
1+427.000	RT	CMP	762X482				9.0
1+518.000		CONC BOX	1280X790	CONC HDWL	CONC HDWL	12.9	
1+595.000	RT	CMP	450				9.0
1+882.500		CONC BOX	1800X1260	CONC HDWL	CONC HDWL	11.9	
1+952.000	LT	CMP	300				5.0
2+196.000	LT	VCP	380				5.5
2+403.000	RT	CMP	1470	CONC HDWL'S / INCL. SLOPEWALLS			15.5
2+535.000	LT	CMP	380				8.0
						24.8	69.0
<b>OBLONG</b>							
2+759.000	RT	CMP	1420				12.6
2+767.500	LT	CONC BOX	460X610	CONC HDWL	CONC HDWL	9.2	
3+915.200	AR	CONC BOX	900X900			13.1	
3+938.200	LT	CONC BOX	900X900		CONC HDWL	49.0	
4+441.500	RT	CMP	450				9.2
4+461.000	LT	CMP	375				8.2
4+483.000	LT	CMP	375				28.0
						71.3	58.0
<b>RURAL</b>							
4+529.000	RT	CMP	450				9.8
4+583.000	LT	CMP	450	CONC HDWL	CONC HDWL		9.0
4+601.300	RT	CMP	450				9.2
4+618.800	LT	CMP	450	CONC HDWL			15.3
						0	43.3
<b>TOTALS</b>						96.1	170.30
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>						97	171

**REMOVING MANHOLES/INLETS**

LOCATION			REMOVING MANHOLES	REMOVING INLETS
STATION	DIST	RT/LT	60500040 EACH	60500060 EACH
<b>OBLONG</b>				
STA 2+769.7	5.6 m	RT	1	
STA 2+770.9	5.0 m	RT		1
STA 2+777.3	4.5 m	LT		1
STA 2+985.1	4.5 m	LT		1
STA 2+985.1	4.5 m	RT		1
STA 3+130.3	4.5 m	LT		1
STA 3+131.8	4.5 m	RT		1
STA 3+206.3	5.9 m	RT		1
STA 3+216.6	10.9 m	LT		1
STA 3+218.1	4.5 m	RT		1
STA 3+218.2	4.5 m	LT		1
STA 3+305.3	4.5 m	LT		1
STA 3+305.6	4.5 m	RT		1
STA 3+391.1	7.1 m	LT		1
STA 3+391.0	6.6 m	RT		1
STA 3+480.3	6.6 m	RT	1	
STA 3+563.8	6.9 m	RT	1	
STA 3+566.9	9.4 m	RT		1
STA 3+652.2	6.6 m	LT		1
STA 3+657.0	6.9 m	LT	1	
STA 3+652.3	6.4 m	RT		1
STA 3+656.8	7.4 m	RT	1	
STA 3+740.2	6.3 m	LT		1
STA 3+824.0	4.5 m	LT		1
STA 3+915.1	9.8 m	RT		1
STA 3+915.1	5.7 m	RT		1
STA 3+931.6	4.5 m	LT		1
STA 3+931.6	4.5 m	RT		1
STA 4+379.5	4.5 m	LT		1
STA 4+403.6	7.9 m	LT		1
STA 4+448.1	10.8 m	LT		1
STA 4+457.3	11.0 m	LT		1
<b>TOTAL</b>			5	28

**PAVEMENT REMOVAL**

LOCATION				PAVEMENT REMOVAL
STATION	TO	STATION	LT/RT	M4402000 SQ M
<b>RURAL</b>				
1+955.000			RT	62.97
2+050.000			RT	212.94
				275.91
<b>OBLONG</b>				
2+756.900	TO	3+394.700	LT	1,038.88
2+770.950	TO	3+394.700	RT	1,003.69
3+394.700	TO	3+736.200	LT	681.03
3+394.700	TO	3+736.200	RT	1,361.94
3+736.200	TO	4+475.071	LT	1,109.88
3+736.200	TO	4+475.071	RT	1,001.21
				6,196.63
<b>TOTAL</b>				6,472.54
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				6,473

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>SCHEDULE OF QUANTITIES</b>
SCALE NO SCALE		DRAWN BY KOJ
DATE FEBRUARY 6, 2009		CHECKED BY LWJ

PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract 74349\SHI\_014\_sch.dwg

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**EARTHWORK SCHEDULE**

LOCATION		RT/LT	EARTH EXCAVATION	EARTH EXCAVATION (WIDENING)	EMBANKMENT REQUIRED	EMBANKMENT REQUIRED FOR ENTRANCES (SEE NOTE)	EARTH EXCAVATION AVAILABLE (ADJUSTED FOR SHRINKAGE - 25%)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL EXCAVATION AND PLACEMENT
			M2020010	M2020050			M2112500		
STATION			CU. M.	CU. M.	CU. M.	CU. M.	CU. M.	CU. M.	CU. M.
<b>RLR/L</b>									
STA. 0+915 TO STA. 2+756.900		RT/LT	10,207.7	497.3	4,069.7	1,120.3	8,028.8	2,838.8	3,634.0
STA. 1+970 (TR 1000)		RT.	173.3		44.0		130.0	86.0	23.8
			10,381.0	497.3	4,113.7	1,120.3	8,158.8	2,924.8	3,657.8
<b>BLONG</b>									
STA. 2+756.900 TO STA. 4+475		RT/LT	1,253.7		1,416.6		940.3	-476.4	9.7
STA. 2+767.5 (TR 150)		LT.	74.9		28.2		56.2	28.0	
STA. 2+892.1 (JOY STREET)		LT.	45.2		8.9		33.9	25.0	
STA. 2+977.3 (MADISON STREET)		LT.	72.9		4.6		54.7	50.1	
STA. 3+122.6 (JEFFERSON STREET)		LT.	63.0		2.9		47.3	44.4	
STA. 3+122.6 (JEFFERSON STREET)		RT.	94.6		4.1		71.0	66.9	
STA. 3+211.3 (WASHINGTON STREET)		LT.	16.5		5.1		12.4	7.3	
STA. 3+211.3 (WASHINGTON STREET)		RT.	46.0		2.8		34.5	31.7	
STA. 3+298.2 (JACKSON STREET)		LT.	45.7		4.3		34.3	30.0	
STA. 3+298.2 (JACKSON STREET)		RT.	80.8		6.3		60.6	54.3	
STA. 3+385.0 (WILSON STREET)		LT.	18.6		7.1		14.0	6.9	
STA. 3+472.4 (ADAMS STREET)		RT.	3.1		9.4		2.3	-7.1	
STA. 3+572.1 (RANGE STREET)		RT.	23.8		1.8		17.9	16.1	
STA. 3+572.7 (RANGE STREET)		LT.	37.3		1.3		28.0	26.7	
STA. 3+659.2 (GARFIELD STREET)		LT.	34.4		0.2		25.8	25.6	
STA. 3+659.2 (GARFIELD STREET)		RT.	26.2		2.6		19.7	17.1	
STA. 3+745.8 (GRANT STREET)		LT.	20.3		6.5		15.2	8.7	
STA. 3+746 (GRANT STREET)		RT.	47.2		5.6		35.4	29.8	
STA. 3+832.3 (HARRISON STREET)		LT.	118.1		4.2		88.6	84.4	
STA. 3+919 (TAYLOR STREET)		LT.	15.8		28.0		11.9	-16.2	
STA. 3+919 (TAYLOR STREET)		RT.	16.6		38.5		12.5	-26.1	
STA. 4+155.8 (ROOSEVELT STREET)		RT.	33.0		3.2		24.8	21.6	
			2,187.7	0.0	1,592.2	0.0	1,640.8	48.5	9.7
<b>RLR/L</b>									
STA. 4+475 TO STA. 4+874.474		RT/LT	623.3	48.6	142.6	2,066.7	503.9	-1,705.4	300.6
TOTALS			13,192.0	545.9	5,848.4	3,187.0	10,303.4	1,268.0	3,968.1
TOTALS ROUNDED FOR SUMMARY SHEET			13,195	550					3,970

NOTE: QUANTITIES ASSUME ALL EXISTING ENTRANCES (NOT INCLUDING PUBLIC ROADS) WILL BE REMOVED DURING DITCH EXCAVATION.

PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract 74349\BHT\_014\_sch\_all\_schedules\_V8.dgn

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES
SCALE	NO SCALE	DRAWN BY KOJ
DATE	FEBRUARY 6, 2009	CHECKED BY LWJ



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**SEEDING/SODDING/MULCH**

LOCATION				SEEDING CLASS 2		SUPPLEMENTAL WATERING			FERTILIZER NUTRIENTS			MULCH METHOD 2		GRADING AND SHAPING SPECIAL		
				M2500200	M2520100	QTY PER WATERING	NUMBER OF WATERINGS	SUPPLEMENTAL WATERING	NITROGEN	POTASSIUM	PHOSPHORUS	M2510115	MX032509			
STATION	LT/RT	HA	SQ M	L	EACH	UNIT	KG	KG	KG	HA	SQ M					
<b>RURAL</b>																
STA 0+915	TO	STA 2+756.9	LT	1.18			117.62	117.62	117.62	1.18						
STA 0+915	TO	STA 2+756.9	RT	1.80			179.52	179.52	179.52	1.46						
				2.97	0		0	297.14	297.14	297.14	2.63	0				
<b>OBLONG</b>																
STA 2+756.9	TO	TR 150	LT	0.01			0.82	0.82	0.82	0.01						
TR 150	TO	JOY STREET	LT		371	5,565	27.8	2.60	2.60	2.60		371				
STA 2+756.9	TO	JEFFERSON STREET	RT		1,257	18,854	5	94.3	8.80	8.80		1,257				
JOY STREET	TO	MADISON STREET	LT		287	4,298	5	21.5	2.01	2.01		287				
MADISON STREET	TO	JEFFERSON STREET	LT		670	10,049	5	50.2	4.69	4.69		670				
JEFFERSON STREET	TO	WASHINGTON STREET	LT		252	3,774	5	18.9	1.76	1.76		252				
JEFFERSON STREET	TO	WASHINGTON STREET	RT		236	3,542	5	17.7	1.65	1.65		236				
WASHINGTON STREET	TO	JACKSON STREET	LT		234	3,508	5	17.5	1.64	1.64		234				
WASHINGTON STREET	TO	JACKSON STREET	RT		270	4,056	5	20.3	1.89	1.89		270				
JACKSON STREET	TO	WILSON STREET	LT		274	4,116	5	20.6	1.92	1.92		274				
JACKSON STREET	TO	ADAMS STREET	RT		252	3,779	5	18.9	1.76	1.76		252				
WILSON STREET	TO	STA 3+483	LT		137	2,059	5	10.3	0.96	0.96		137				
STA 3+483	TO	RANGE STREET	LT		13	194	5	1.0	0.09	0.09		13				
ADAMS STREET	TO	RANGE STREET	RT		16	241	5	1.2	0.11	0.11		16				
RANGE STREET	TO	GARFIELD STREET	LT		8	124	5	0.6	0.06	0.06		8				
GARFIELD STREET	TO	GRANT STREET	LT		136	2,045	5	10.2	0.95	0.95		136				
GARFIELD STREET	TO	GRANT STREET	RT		62	932	5	4.7	0.43	0.43		62				
GRANT STREET	TO	HARRISON STREET	LT		287	4,310	5	21.6	2.01	2.01		287				
HARRISON STREET	TO	TAYLOR STREET	LT		314	4,704	5	23.5	2.20	2.20		314				
GRANT STREET	TO	TAYLOR STREET	RT		557	8,354	5	41.8	3.90	3.90		557				
TAYLOR STREET	TO	HAYES STREET	LT		687	10,302	5	51.5	4.81	4.81		687				
TAYLOR STREET	TO	ROOSEVELT STREET	RT		798	11,968	5	59.8	5.59	5.59		798				
HAYES STREET	TO	LEGION PARKWAY	LT		541	8,114	5	40.6	3.79	3.79		541				
ROOSEVELT STREET	TO	STA 4+475	RT		1,426	21,387	5	106.9	9.98	9.98		1,426				
LEGION PARKWAY	TO	STA 4+475	LT		730	10,949	5	54.7	5.11	5.11		730				
				0.01	9,815		736.1	69.53	69.53	69.53	0.01	9,815				
<b>RURAL</b>																
STA 4+475.071	TO	STA 4+874.474	LT	0.08			8.27	8.27	8.27	0.08						
STA 4+475.071	TO	STA 4+874.474	RT	0.10			9.94	9.94	9.94	0.10						
				0.18	0		0	18.21	18.21	18.21	0.18	0				
<b>TOTALS</b>				3.16	9,815		736.1	384.88	384.88	384.88	2.83	9,815				
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				3.2	9,815		736.2	390	390	390	2.9	9,815				

**EROSION CONTROL ITEMS**

LOCATION				EROSION CONTROL BLANKET	STONE DUMPED RIPRAP, CLASS A4	FILTER FABRIC	AGGREGATE DITCH
STATION	TO	STATION	LT/RT	M2510630	M2810707	M2820200	M2830400
				SQ. METER	SQ. METER	SQ. METER	M. TON
<b>RURAL</b>							
1+052.7	TO	1+055.9	LT		14.7	14.7	
1+052.7	TO	1+055.9	RT		11.7	11.7	
1+517.7	TO	1+522.3	LT		18.0	18.0	
1+517.7	TO	1+535.0	RT		92.2	92.2	
1+825.0	TO	1+884.8	LT	110.0	168.8	168.8	
1+825.0	TO	1+925.0	RT	190.0	262.3	262.3	
2+053.6	TO	2+142.6	RT	498.2			
2+142.6	TO	2+146.0	LT		16.9	16.9	
2+142.6	TO	2+146.0	RT		33.9	33.9	
2+146.0	TO	2+393.0	RT	1,333.7			
2+413.6	TO	2+698.0	RT	1,535.0			
2+698.0	TO	2+702.0	LT		14.4	14.4	
2+698.0	TO	2+756.0	RT		318.3	318.3	
				3,666.9	951.2	951.2	0.0
<b>OBLONG</b>							
2+755.0	TO	2+759.5	LT		14.7	14.7	
2+762.0	TO	2+773.8	RT		115.5	115.5	
3+960.0	TO	3+963.0	LT		15.3	15.3	
				0.0	145.5	145.5	0.0
<b>RURAL</b>							
4+473.6	TO	4+478.8	LT		27.5	27.5	
4+473.6	TO	4+478.8	RT		31.2	31.2	
4+478.8	TO	4+574.1	LT			223.5	119.6
4+592.8	TO	4+610.4	LT			42.8	22.9
4+478.8	TO	4+520.0	RT			100.4	53.7
4+538.0	TO	4+590.2	RT			127.1	68.0
4+612.5	TO	4+634.2	RT			52.9	28.3
				0.0	58.7	605.4	292.5
<b>TOTAL</b>				3,666.9	1,155.4	1,702.1	292.5
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				3,667	1,156	1,703	293

**PERIMETER EROSION BARRIER**

LOCATION	METER
<b>RURAL</b>	
0+950 TO 1+050 LT	100
<b>TOTAL</b>	100

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>SCHEDULE OF QUANTITIES</b></p> <p>SCALE NO SCALE                      DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009              CHECKED BY LWJ</p>

PLOT DATE = 2/6/2009  
FILE NAME = H:\4428\Contract 74349\SHIT\_014\_sch.dwg

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**INLET AND PIPE PROTECTION**

STATION	LT/RT	EACH
<b>RURAL</b>		
0+945	RT	1
1+195	LT	1
1+423	RT	1
1+455	LT	1
1+455	RT	1
1+606	RT	1
1+746	LT	1
1+755	RT	1
1+955	LT	1
2+204	LT	1
2+415	RT	1
2+542	LT	1
		12
<b>OBLONG</b>		
4+434	RT	1
		1
<b>RURAL</b>		
4+519	RT	1
4+574	LT	1
4+590	RT	1
4+610	LT	1
		4
<b>TOTAL</b>		<b>17</b>

**BOX CULVERT SCHEDULE**

CULV. NO.	STATION	RT/LT/AR	TYPE	BOX CULVERT				PRECAST CONCRETE BOX CULVERT END SECTION	TRAFFIC CONTROL AND PROTECTION STANDARD 701321
				M273		EACH	EACH		
				1.2m x 0.6m	1.8m x 1.2m				
<b>RURAL</b>									
1	STA 1+054.355	AR	EXTENSION	SEE STRUCTURE PLANS FOR QUANTITIES					
2	STA 1+520.000	AR	BOX CULVERT			15.30	2	1	
3	STA 1+882.500	AR	BOX CULVERT	25.20			2	1	
4	STA 2+144.198	AR	EXTENSION	SEE STRUCTURE PLANS FOR QUANTITIES					
5	STA 2+700.000	AR	BOX CULVERT	19.80			2	1	
6	STA 2+759.000	RT	BOX CULVERT		9.00		2		
<b>OBLONG</b>									
7	STA 3+901.180	LT	BOX CULVERT	SEE STORM SEWER SCHEDULE					
<b>TOTALS</b>				19.80	25.20	9.00	15.30	8	3
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				19.8	25.2	9.0	15.3	8	3

**PAVEMENT MARKING SCHEDULE**

STATION	TO	STATION	LENGTH METER	NO PASSING ZONES METER	SIDE ROAD OMISSIONS METER	SHORT TERM PAVEMENT MARKING METER	TEMPORARY PAINT PAVEMENT MARKING LINE		PAINT PAVEMENT MARKING LINE				RAISED REFLECTIVE PAVEMENT MARKER (EACH)
							100 MM		100 MM		150 MM	600 MM	
							WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	
<b>RURAL</b>													
0+915.0	TO	2+756.9	1,841.900	1,035.00	22.75	736.76	3,661.05	1,495.48	3,661.05	1,495.48			76
<b>OBLONG</b>													
2+756.9	TO	2+770.95	14.050			5.62	14.05	3.51	14.05	3.51			1
2+770.95	TO	3+394.6	623.650			249.46		155.91		155.91	16.00		26
3+394.6	TO	3+736.2	341.600			136.64	683.20	85.40	683.20	85.40	90.80	15.60	14
3+736.2	TO	4+475.071	738.871			295.55		184.72		184.72			31
						687.27	697.25	429.54	697.25	429.54	106.80	15.60	72
<b>RURAL</b>													
4+475.071	TO	4+874.474	399.403			159.76	798.81	99.85	798.81	99.85			17
<b>TOTALS</b>						1,583.79	5,157.11	2,024.87	5,157.11	2,024.87	106.80	15.60	165.00
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>						1,584	7,182	7,182	7,182	106.8	15.6	165	

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H. M. & G. NO. 4420

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>SCHEDULE OF QUANTITIES</b>
SCALE NO SCALE		DRAWN BY KOJ
DATE FEBRUARY 6, 2009		CHECKED BY LWJ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**TEMPORARY DITCH CHECKS**

STATION	SIDE	EACH	STATION	SIDE	EACH
<b>RURAL</b>					
0+930	RT	1	2+045	LT	1
0+975	LT&RT	2	2+055	RT	1
1+020	LT&RT	2	2+100	RT	1
1+050	LT&RT	2	2+140	LT&RT	2
1+060	LT&RT	2	2+145	LT&RT	2
1+100	LT&RT	2	2+190	RT	1
1+195	RT	1	2+235	LT&RT	2
1+235	LT&RT	2	2+280	LT&RT	2
1+240	LT&RT	2	2+325	LT&RT	2
1+285	LT&RT	2	2+370	LT&RT	2
1+330	LT&RT	2	2+415	LT	1
1+425	LT	1	2+460	LT&RT	2
1+470	LT&RT	2	2+505	LT&RT	2
1+515	LT&RT	2	2+550	RT	1
1+525	LT&RT	2	2+595	RT	1
1+570	LT&RT	2	2+640	LT&RT	2
1+615	LT	1	2+685	LT&RT	2
1+660	LT&RT	2	2+726	LT&RT	2
1+795	LT&RT	2	2+731	LT&RT	2
1+825	LT&RT	2	<b>SUBTOTAL</b>		<b>31</b>
1+840	LT&RT	2	<b>OBLONG</b>		
1+855	LT&RT	2	4+405	RT	1
1+870	LT&RT	2	<b>RURAL</b>		
1+880	LT&RT	2	4+495	LT&RT	2
1+885	LT&RT	2	4+520	LT	1
1+900	RT	1	4+540	LT	1
1+907	LT	1	4+565	RT	1
1+915	RT	1	4+655	LT&RT	2
1+930	LT&RT	2	<b>SUBTOTAL</b>		<b>7</b>
2+000	LT	1	<b>TOTAL</b>		
<b>SUBTOTAL</b>		<b>52</b>	<b>91</b>		

**FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS**

LOCATION			EACH
STATION	METERS	LT/RT	
<b>RURAL</b>			
0+882.214	12.192	LT	1
0+902.439	12.192	RT	1
1+327.571	12.192	RT	1
1+358.051	15.240	RT	1
1+449.491	12.192	LT	1
1+479.971	15.240	RT	1
1+510.451	18.288	LT	1
1+510.451	18.288	RT	1
1+540.932	18.288	LT	1
1+540.932	18.288	RT	1
1+571.412	12.192	LT	1
1+574.460	12.192	RT	1
1+708.572	12.192	LT	1
1+723.812	12.192	RT	1
1+739.052	16.764	LT	1
1+754.292	16.764	RT	1
1+815.252	16.764	RT	1
1+845.732	16.764	LT	1
1+860.972	19.812	RT	1
1+887.948	18.288	LT	1
1+906.692	19.812	RT	1
1+946.357	14.935	RT	1
2+014.080	24.384	RT	1
2+113.592	18.288	LT	1
2+113.592	24.384	RT	1
2+206.770	18.288	LT	1
2+237.250	16.764	LT	1
2+328.690	24.384	RT	1
2+359.170	21.336	RT	1
2+481.073	16.764	LT	1
2+663.953	16.764	LT	1
2+675.230	16.764	LT	1
<b>SUBTOTAL</b>			<b>32</b>
<b>OBLONG</b>			
2+756.935	16.764	LT	1
2+761.396	22.860	LT	1
<b>SUBTOTAL</b>			<b>2</b>
<b>TOTAL</b>			<b>34</b>

**PERMANENT SURVEY MARKERS, TYPE 1**

DESCRIPTION	STATION	EACH
<b>RURAL</b>		
PC	1+887.948	1
PI	2+006.106	1
PT	2+113.592	1
		<b>3</b>
<b>OBLONG</b>		
PI	4+168.229	1
PC	4+374.882	1
PI	4+401.662	1
PT	4+428.404	1
		<b>4</b>
<b>RURAL</b>		
PC	4+679.693	1
PI	4+767.620	1
PT	4+854.953	1
		<b>3</b>
<b>TOTAL</b>		<b>10</b>

**EROSION CONTROL**

LOCATION				EROSION CONTROL BLANKET	STONE DUMPED RIPRAP, CLASS A4	FILTER FABRIC	AGGREGATE DITCH
STATION	TO	STATION	LT/RT	M2510630 SQ. METER	M2810707 SQ. METER	M2820200 SQ. METER	M2830400 M. TON
<b>RURAL</b>							
1+052.7	TO	1+055.9	LT		14.7	14.7	
1+052.7	TO	1+055.9	RT		11.7	11.7	
1+517.7	TO	1+522.3	LT		18.0	18.0	
1+517.7	TO	1+535.0	RT		92.2	92.2	
1+825.0	TO	1+884.8	LT	110.0	168.8	168.8	
1+825.0	TO	1+925.0	RT	190.0	262.3	262.3	
2+053.6	TO	2+142.6	RT	498.2			
2+142.6	TO	2+146.0	LT		16.9	16.9	
2+142.6	TO	2+146.0	RT		33.9	33.9	
2+146.0	TO	2+393.0	RT	1,333.7			
2+413.6	TO	2+698.0	RT	1,535.0			
2+698.0	TO	2+702.0	LT		14.4	14.4	
2+698.0	TO	2+756.0	RT		318.3	318.3	
				3,666.9	951.2	951.2	0.0
<b>OBLONG</b>							
2+755.0	TO	2+759.5	LT		14.7	14.7	
2+762.0	TO	2+773.8	RT		115.5	115.5	
3+960.0	TO	3+963.0	LT		15.3	15.3	
				0.0	145.5	145.5	0.0
<b>RURAL</b>							
4+473.6	TO	4+478.8	LT		27.5	27.5	
4+473.6	TO	4+478.8	RT		31.2	31.2	
4+478.8	TO	4+574.1	LT			223.5	119.6
4+592.8	TO	4+610.4	LT			42.8	22.9
4+478.8	TO	4+520.0	RT			100.4	53.7
4+538.0	TO	4+590.2	RT			127.1	68.0
4+612.5	TO	4+634.2	RT			52.9	28.3
				0.0	58.7	605.4	292.5
<b>TOTAL</b>				3,666.9	1,155.4	1,702.1	292.5
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				3,667	1,156	1,703	293

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NAME	DATE	
		<p align="center"><b>SCHEDULE OF QUANTITIES</b></p> <p>SCALE NO SCALE      DRAWN BY KOJ</p> <p>DATE      CHECKED BY</p>



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**PROPOSED PAVEMENT SCHEDULE**

LOCATION				SUB-BASE GRANULAR MATERIAL, TYPE B, 100MM	PORTLAND CEMENT CONCRETE BASE COURSE, 200MM	BITUMINOUS MATERIALS (PRIME COAT)		AGGREGATE (PRIME COAT)	LEVEING BINDER (MACHINE METHOD), N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	AGGREGATE SHOULDERS, TYPE B, 150MM	HOT-MIX ASPHALT SHOULDERS, 150MM
						PRIOR TO BINDER/BASE COURSE	PRIOR TO SURFACE COURSE					
STATION	TO	STATION	LT/RT	M3111100	M3530200	M4060100		M4060300	M4062135	M4063340	M4812150	M4820550
				SQ M	SQ M	LITER	LITER	M TON	M TON	M TON	SQ M	SQ M
<b>RURAL</b>												
0+915.000	TO	0+935.000	LT&RT			56.44	56.44	0.48	1429.32	14.71	30.00	36.00
0+935.000	TO	2+756.900	LT&RT			5420.15	5420.15	46.46	1429.32	1412.34	5318.26	3227.49
				0.00	0.00	5476.60	5476.60	46.94		1427.04	5348.26	3263.49
<b>OBLONG</b>												
2+756.900	TO	3+394.700	LT	1068.32	382.68	892.92	892.92	7.65		232.67		
2+756.900	TO	2+770.950	RT			20.90	20.90	0.18		5.45	20.54	12.64
2+770.950	TO	3+394.700	RT	1044.78	374.25	873.25	873.25	7.49		227.54		
3+394.700	TO	3+736.200	LT	572.01	204.90	705.20	705.20	6.04	1395.65	183.75		
3+394.700	TO	3+736.200	RT	1220.86	853.75	705.20	705.20	6.04		183.75		
3+736.200	TO	4+475.071	LT	1237.61	443.32	1034.42	1034.42	8.87		269.54		
3+736.200	TO	4+379.000	RT	1076.69	385.68	899.92	899.92	7.71		234.49		
4+379.000	TO	4+475.071	RT	218.56	115.29	134.50	134.50	1.15		35.05		
				6438.83	2759.87	5266.30	5266.30	45.14	1395.65	1372.25	20.54	12.64
<b>RURAL</b>												
4+475.071	TO	4+633.500	LT&RT			471.33	471.33	4.04	74.38	122.81	377.86	285.17
4+633.500	TO	4+653.500	LT&RT			28.51	63.00	0.39	1.47	16.42		
4+653.500	TO	4+874.474	LT&RT				607.28	2.60		181.38		
				0.00	0.00	499.83	1141.61	7.03	75.8421	320.61	377.86	285.17
<b>TOTAL</b>				6438.83	2759.87	11242.73	11884.51	99.12	2900.81	3119.90	5746.66	3561.31
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				6,439	2,760	22,486		100	2,901	3,120	5,747	3,562

**DETECTABLE WARNINGS**

LOCATION		DETECTABLE WARNINGS	LOCATION		DETECTABLE WARNINGS
		M4248000			M4248000
STATION	LT/RT	SQ M	STATION	LT/RT	SQ M
<b>OBLONG</b>					
2+886.0	LT	0.63	3+109.4	RT	1.20
2+898.2	LT	0.63	3+116.8	RT	0.76
2+971.2	LT	0.63	3+128.7	RT	0.63
2+983.4	LT	0.63	3+205.2	RT	0.63
3+109.4	LT	1.20	3+217.4	RT	0.63
3+117.1	LT	0.74	3+292.4	RT	0.76
3+128.7	LT	0.63	3+304.3	RT	0.63
3+205.6	LT	0.74	3+410.6	RT	0.63
3+217.4	LT	0.63	3+420.6	RT	0.63
3+292.1	LT	0.63	3+426.7	RT	0.63
3+304.0	LT	0.76	3+440.1	RT	0.63
3+379.3	LT	0.71	3+447.5	RT	0.63
3+391.2	LT	0.83	3+456.9	RT	0.63
3+566.8	LT	0.71	3+466.4	RT	0.63
3+578.7	LT	0.72	3+478.4	RT	0.63
3+652.7	LT	0.77	3+488.7	RT	0.63
3+665.3	LT	0.75	3+498.7	RT	0.63
3+739.1	LT	0.63	3+526.4	RT	0.63
3+751.7	LT	0.72	3+532.9	RT	0.63
3+826.1	LT	0.63	3+565.8	RT	0.71
3+838.3	LT	0.71	3+578.5	RT	0.71
3+912.9	LT	0.63	3+653.4	RT	0.72
3+925.1	LT	0.63	3+664.5	RT	0.63
			3+675.1	RT	0.63
			3+688.6	RT	0.63
			3+692.1	RT	0.63
			3+700.5	RT	0.63
			3+704.0	RT	0.63
			3+712.4	RT	0.63
			3+739.8	RT	0.63
			3+751.8	RT	0.71
			3913.2	RT	0.71
			3924.9	RT	0.71
			4150.2	RT	0.63
			4161.4	RT	0.63
<b>SUB-TOTALS</b>		16.29			23.37
<b>TOTAL</b>					39.66
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>					39.7

PLT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract 74349\SHI\_014\_sch.a11\_schedules.y8.dgn

REVISIONS	
NAME	DATE
L.W.J.	08/28/08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SCHEDULE OF QUANTITIES**  
SCALE NO SCALE DRAWN BY KOJ  
DATE AUGUST 28, 2008 3 CHECKED BY LWJ

PORTLAND CEMENT CONCRETE SIDEWALK 100mm

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LOCATION				PORTLAND CEMENT CONCRETE SIDEWALK, 100MM		LOCATION				PORTLAND CEMENT CONCRETE SIDEWALK, 100MM	
				100% STATE	50% / 50% M4240100					100% STATE	50% / 50% M4240100
STATION	TO	STATION	LT/RT	SQ M		STATION	TO	STATION	LT/RT	SQ M	
<b>OBLONG</b>											
2+855.2	TO	2+887.0	LT	8.97	28.80	3+580.6	TO	3+652.2	RT	126.01	58.40
2+861.4			LT		1.35	3+649.6	TO	3+654.5	LT	21.10	
2+877.3			LT		1.28	3+652.2	TO	3+654.5	RT	24.98	
2+897.5	TO	2+931.9	LT	8.97	32.28	3+663.9	TO	3+675.7	RT	14.06	
2+909.0			LT		1.10	3+663.9	TO	3+674.5	LT	20.21	
2+928.5			LT		1.10	3+674.5	TO	3+692.7	RT	5.57	
2+937.1	TO	2+971.9	LT	9.09	32.64	3+699.9	TO	3+704.6	RT	5.57	
2+962.0			LT		1.16	3+711.8	TO	3+740.6	RT	34.59	
2+982.7	TO	3+108.2	LT	34.92	115.68	3+734.7	TO	3+739.9	LT	6.32	
2+993.1			LT		1.37	3+750.5	TO	3+757.5	LT	16.70	
3+050.4			LT		1.26	3+750.7	TO	3+753.7	RT	18.08	
3+070.1			LT		1.28	3+753.7	TO	3+787.3	RT	7.06	33.24
3+089.0			LT	1.25		3+792.9	TO	3+804.3	RT	5.79	7.92
3+108.2	TO	3+117.9	LT	30.34		3+807.9	TO	3+820.8	RT	6.24	9.24
3+108.2	TO	3+117.9	RT	38.62		3+820.6	TO	3+826.8	LT	7.47	
3+109.5			LT	3.34		3+824.4	TO	3+880.4	RT	5.88	61.32
3+128.0	TO	3+159.4	RT	9.77	27.84	3+832.3			RT		1.38
3+128.0	TO	3+162.1	LT	8.97	31.92	3+837.0	TO	3+840.7	LT	21.98	
3+144.3			LT		0.97	3+840.7	TO	3+886.1	LT	54.51	
3+157.1			LT		1.39	3+853.7			LT	1.34	
3+165.7	TO	3+173.0	LT	8.78		3+860.4			RT		1.26
3+168.2	TO	3+205.9	RT	9.77	35.40	3+880.6			LT	2.83	
3+179.0	TO	3+203.6	LT	8.50	21.00	3+884.0	TO	3+890.7	RT	8.04	
3+189.3			LT		2.08	3+889.7	TO	3+904.0	LT	5.69	11.52
3+202.4			RT	1.08		3+894.3	TO	3+911.5	RT	7.56	13.08
3+203.6	TO	3+206.6	LT	12.20		3+898.0			RT		1.74
3+216.7	TO	3+250.4	LT	8.85	31.56	3+898.8			LT		3.15
3+216.7	TO	3+253.3	RT	8.96	34.92	3+908.6	TO	3+913.6	LT	5.97	
3+221.3			LT	1.13		3+911.5	TO	3+914.3	RT	15.86	
3+229.4			RT		2.07	3+923.7	TO	3+926.8	RT	13.45	
3+246.1			RT		1.79	3+924.4	TO	3+974.2	LT	59.68	
3+254.0	TO	3+267.6	LT	5.88	10.44	3+926.8	TO	3+942.1	RT	7.07	11.28
3+256.9	TO	3+290.4	RT	7.67	32.52	3+932.9			RT		2.73
3+260.9			RT		1.94	3+934.7			LT	1.80	
3+271.2	TO	3+292.8	LT	8.84	17.04	3+945.7	TO	3+982.2	RT	5.88	37.92
3+265.6			LT	1.10		3+953.0			RT		0.97
3+280.0			RT		2.13	3+985.2	TO	3+988.5	LT	3.94	
3+290.4	TO	3+293.5	RT	21.36		3+985.8	TO	3+987.7	RT	2.28	
3+303.6	TO	3+314.0	RT	12.40		3+991.3	TO	4+037.9	RT	5.76	50.16
3+302.9	TO	3+306.0	LT	12.81		3+995.9			RT		1.46
3+306.0	TO	3+352.7	LT	7.67	48.36	4+005.2			RT		1.62
3+315.6			LT		1.03	4+021.5	TO	4+024.8	LT	3.93	
3+321.6	TO	3+330.2	RT	10.24		4+030.4			RT		0.19
3+333.8			LT		0.92	4+035.8	TO	4+070.2	LT	8.37	32.88
3+337.8	TO	3+343.7	RT	7.11		4+041.5	TO	4+073.8	RT	5.76	33.00
3+347.3	TO	3+381.4	RT	6.83	34.08	4+073.8	TO	4+095.5	LT	5.82	20.28
3+356.3	TO	3+377.3	LT	7.63	17.52	4+077.4	TO	4+110.4	RT	5.88	33.72
3+362.6			LT		2.35	4+085.4			RT		1.41
3+377.5			RT		2.12	4+101.5	TO	4+117.8	LT	6.06	13.56
3+377.3	TO	3+380.3	LT	16.28		4+105.7			RT		2.25
3+389.0	TO	3+411.2	RT	12.08	14.40	4+112.5			LT		1.80
3+389.8	TO	3+393.0	LT	16.74		4+114.0	TO	4+150.9	RT	8.96	35.28
3+393.0	TO	3+432.0	RT	7.91	38.88	4+121.4	TO	4+124.2	LT	3.36	
3+396.7			RT		1.24	4+129.9			RT		1.54
3+411.7			LT		0.88	4+129.2	TO	4+166.3	LT	5.73	38.76
3+420.0	TO	3+427.3	RT	8.57		4+133.6			LT		0.11
3+439.5	TO	3+448.1	RT	10.13		4+158.4			LT		0.11
3+442.6	TO	3+478.3	LT	5.03	37.68	4+160.7	TO	4+200.7	RT	11.81	36.24
3+456.3	TO	3+467.6	RT	15.14		4+170.6	TO	4+187.6	LT	5.82	14.52
3+457.3			LT		1.97	4+176.1			RT		0.49
3+477.3	TO	3+489.2	RT	14.03		4+179.0			LT		1.80
3+489.2	TO	3+499.1	LT	5.09	8.40	4+192.0	TO	4+217.8	LT	5.94	25.08
3+498.1	TO	3+527.1	RT	57.86	45.50	4+204.3	TO	4+221.4	RT	5.88	14.64
3+510.1	TO	3+565.5	LT	88.31	110.00	4+211.2			LT		1.80
3+532.3	TO	3+564.5	RT	56.21	28.90	4+218.6			RT		1.38
3+564.5	TO	3+567.0	RT	18.61		4+223.1	TO	4+301.9	LT	5.54	88.92
3+565.5	TO	3+567.9	LT	27.85	7.40	4+225.0	TO	4+255.9	RT	5.70	31.32
3+577.3	TO	3+580.6	RT	20.67		4+237.2			LT		0.23
3+577.6	TO	3+580.0	LT	25.35		4+259.6	TO	4+290.7	RT	5.70	31.68
3+580.0	TO	3+649.6	LT	114.79	152.60						
SUBTOTAL				843.70	1028.54	SUBTOTAL				649.53	771.38
TOTALS						TOTALS				1,493.23	1,799.92
TOTALS ROUNDED FOR SUMMARY SHEET						TOTALS ROUNDED FOR SUMMARY SHEET				1,493.5	1,800.0

PAVEMENT PATCHING

LOCATION	STATION	RT/LT /AR	PAVEMENT PATCHING				SUB-BASE GRANULAR MATERIAL
			TYPE I	TYPE II	TYPE III	TYPE IV	
			300 MM				
		M4420300	M4422300	M4423300	M4424300	TYPE B	
		SQ M	SQ M	SQ M	SQ M	100 MM	
						M3111100	
						SQ M	
<b>RURAL</b>							
1+513.000		AR				42.40	42.40
1+520.000		AR				30.80	30.80
1+882.500		AR				30.80	30.80
2+700.000		AR				30.80	30.80
VARIOUS LOCATIONS			134.00	141.00			275.00
			134.00	141.00		134.80	409.80
<b>OBLONG</b>							
2+863.000		AR		5.10			5.10
2+885.248		AR		5.10			5.10
2+927.500		AR		5.10			5.10
2+970.205		AR		5.10			5.10
3+010.000		AR		5.10			5.10
3+062.000		AR		5.10			5.10
3+115.748		AR		5.10			5.10
3+152.000		AR		5.10			5.10
3+204.448		AR		12.24			12.24
3+230.000		AR		6.12			6.12
3+263.000		AR		5.10			5.10
3+291.348		AR		6.12			6.12
3+326.000		AR		5.10			5.10
3+350.000		AR		5.59			5.59
3+373.000		AR		11.22			11.22
3+423.650		AR		6.53			6.53
3+468.025		AR		6.53			6.53
3+513.000		AR		7.83			7.83
3+582.000		AR		6.03			6.03
3+582.000		LT			48.79		48.79
3+617.600		AR		5.03			5.03
3+617.600		LT			53.63		53.63
3+657.000		AR		5.90			5.90
3+657.000		LT			46.42		46.42
3+690.350		AR		4.91			4.91
3+690.350		LT			45.49		45.49
3+723.000		AR		4.91			4.91
3+723.000		LT			21.51		21.51
3+739.000		AR		5.10			5.10
3+770.000		AR		5.10			5.10
3+800.000		AR		5.10			5.10
3+845.000		AR		5.10			5.10
3+876.000		AR		5.10			5.10
3+914.540		AR		13.60			13.60
3+933.000		AR		5.10			5.10
3+954.200		AR		5.10			5.10
4+046.000		AR		5.10			5.10
4+082.500		AR		5.10			5.10
4+119.000		AR		5.10			5.10
4+162.000		AR		8.66			8.66
4+180.000		AR		5.10			5.10
4+230.000		AR		5.10			5.10
4+315.737		AR		5.10			5.10
4+359.882		AR		5.10			5.10
4+403.640		AR	4.65				4.65
			4.65	233.61	21.51	194.33	454.10
TOTALS			138.65	374.61	21.51	329.13	863.90
TOTALS ROUNDED FOR SUMMARY SHEET			139	375	22	330	864

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES
SCALE	NO SCALE	DRAWN BY KOJ
DATE	FEBRUARY 6, 2009	CHECKED BY LWJ

PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract 74349\SH1\_014\_sch\_all\_schedule\_VB.dgn

H. M. & G. NO. 4420



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**PIPE CULVERT SCHEDULE**

LOCATION		TYPE	TRENCH BACKFILL	PIPE CULVERTS					PRECAST REINFORCED CONCRETE FLARED END SECTIONS		END SECTIONS			
				RCCP		CLASS D			450	1500	375	450	600	
				TYPE 1	TYPE 1	TYPE 1	TYPE 1	TYPE 1						
STATION	RT/LT/AR		CUBIC METER	450 METER	1500 METER	375 METER	450 METER	600 METER	450 EACH	1500 EACH	375 EACH	450 EACH	600 EACH	
<b>RURAL</b>														
STA 0+952.000	RT	PIPE CULVERTS					10.36						2	
STA 1+201.500	LT	PIPE CULVERTS					8.84						2	
STA 1+392.000	LT	PIPE CULVERTS	6.91	18.29					2					
STA 1+465.000	LT	PIPE CULVERTS						10.36						
STA 1+465.000	RT	PIPE CULVERTS						12.50						
STA 1+595.600	RT	PIPE CULVERTS					10.97						2	
STA 1+755.200	LT	PIPE CULVERTS					10.67						2	
STA 1+764.500	RT	PIPE CULVERTS					15.85						2	
STA 2+196.000	LT	PIPE CULVERTS						11.58						2
STA 2+403.300	RT	PIPE CULVERTS	20.15		17.37					2				
STA 2+534.000	LT	PIPE CULVERTS				13.41					2			
<b>OBLONG</b> <span style="float:right">SEE STORM SEWER SCHEDULE</span>														
<b>RURAL</b>														
STA 4+529.000	RT	PIPE CULVERTS					16.76						4	
STA 4+583.500	LT	PIPE CULVERTS					17.07						2	
STA 4+601.300	RT	PIPE CULVERTS					42.68						4	
STA 4+618.800	LT	PIPE CULVERTS					15.54						2	
<b>TOTALS</b>			27.06	18.29	17.37	13.4	148.74	34.44	2	2	2	22	2	
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>			28	18.5	17.5	13.5	149.0	34.5	2	2	2	22	2	

PLOT DATE = 2/6/2009  
 FILE NAME = H:\4420\Contract\74349\SHI\_027\_sch-pipeculverts\_v8.dgn

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>PIPE CULVERT SCHEDULE</b>  SCALE _____ DRAWN BY KOJ DATE FEBRUARY 6, 2009 CHECKED BY LWJ



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**STORM SEWER SCHEDULE**

UPSTREAM STRUCTURE				DOWNSTREAM STRUCTURE				PRECAST REINFORCED CONCRETE FLARED END SECTIONS		REINFORCED CONCRETE PIPE TEE						JUNCTION BOX NO.1	PRECAST CONCRETE BOX CULVERT, 1.5M x 0.6M	BOX CULVERT END SECTION, CULVERT NO. 7
STR #	LOCATION			STR #	LOCATION			600MM	1050MM	300MM PIPE WITH 300MM RISER	450MM PIPE WITH 300MM RISER	600MM PIPE WITH 300MM RISER	750MM PIPE WITH 300MM RISER	900MM PIPE WITH 300MM RISER	1050MM PIPE WITH 300MM RISER	60247400	MX540110	54001007
	STATION	OFFSET	LT/RT		STATION	OFFSET	LT/RT	M542E128	M542E148	M542C212	M542C220	M542C228	M542C236	M542C244	M542C248			
		METER				METER	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
<b>TL 33</b>																		
EX	3+567.540	46.456	RT	100	3+567.281	11.800	RT											
100	3+567.281	11.800	RT	101	3+567.281	10.300	RT											
101	3+567.281	10.300	RT	102	3+562.750	4.500	RT											
102	3+562.750	4.500	RT	109	3+513.000	4.500	RT											
109	3+513.000	4.500	RT	114	3+468.025	4.500	RT											
114	3+468.025	4.500	RT	119	3+423.650	4.500	RT											
119	3+423.650	4.500	RT	123	3+373.000	4.500	RT											
123	3+373.000	4.500	RT	126	3+373.000	6.200	LT											
126	3+373.000	-6.200	LT	131	3+326.000	6.200	LT											
131	3+326.000	-6.200	LT	138	3+291.348	6.200	LT											
138	3+291.348	-6.200	LT	144	3+230.000	6.200	LT											
144	3+230.000	-6.200	LT	146	3+204.448	6.200	LT											
146	3+204.448	-6.200	LT	147	3+204.448	6.200	RT											
147	3+204.448	6.200	RT	150	3+173.000	6.200	RT											
150	3+173.000	6.200	RT	153	3+129.452	6.200	RT											
153	3+129.452	6.200	RT	154	3+120.261	6.200	RT											
154	3+120.261	6.200	RT	158	3+115.748	6.200	RT											
158	3+115.748	6.200	RT	162	3+062.000	6.200	RT											
162	3+062.000	6.200	RT	169	2+970.205	6.200	RT											
169	2+970.205	6.200	RT	179	2+863.000	6.200	RT											
179	2+863.000	6.200	RT	183	2+803.000	6.200	RT											
183	2+803.000	6.200	RT	184	2+771.500	12.775	RT											
184	2+771.500	12.775	RT	188	2+824.100	6.500	LT											
188	2+824.100	-6.500	LT	190	2+805.800	6.500	LT											
190	2+805.800	-6.500	LT	192	2+773.124	6.500	LT											
192	2+773.124	-6.500	LT	193	2+761.874	6.500	LT											
193	2+761.874	-6.500	LT	194	2+757.500	11.000	LT											
194	2+757.500	11.000	LT	190	2+805.800	6.500	LT											
190	2+805.800	-4.475	LT	192	2+773.124	6.500	LT											
192	2+773.124	-11.000	LT	0	3+550.000	4.500	RT											
0	3+550.000	4.500	RT	0	3+536.000	4.500	RT											
0	3+536.000	4.500	RT	109	3+513.000	4.500	RT											
109	3+513.000	6.375	RT	107	3+531.500	6.375	LT											
107	3+531.500	-6.375	LT	108	3+513.000	6.375	LT											
108	3+513.000	-6.375	LT	109	3+513.000	4.500	RT											
109	3+513.000	-6.375	LT	185	3+479.050	9.965	RT											
185	3+479.050	9.965	RT	111	3+485.000	6.375	RT											
111	3+485.000	6.375	RT	0	3+485.000	4.500	RT											
0	3+485.000	4.500	RT	114	3+468.025	4.500	RT											
114	3+468.025	9.965	RT	114	3+468.025	4.500	RT											
114	3+468.025	-6.375	LT	116	3+443.900	6.375	RT											
116	3+443.900	9.350	RT	0	3+443.900	4.500	RT											
0	3+443.900	4.500	RT	119	3+423.650	4.500	RT											
119	3+423.650	6.375	RT	119	3+423.650	4.500	RT											
119	3+423.650	-6.375	LT	121	3+395.200	6.375	RT											
121	3+395.200	6.375	RT	0	3+395.200	4.500	RT											
0	3+395.200	4.500	RT	0	3+380.000	4.500	RT											
0	3+380.000	10.600	RT	124	3+392.139	7.046	LT											
124	3+392.139	-12.100	LT	125	3+378.376	6.403	LT											
125	3+378.376	-7.046	LT	126	3+373.000	6.200	LT											
126	3+373.000	-6.403	LT	128	3+348.000	4.475	LT											
128	3+348.000	4.475	LT	0	3+348.000	6.200	LT											
0	3+348.000	-4.475	LT	130	3+326.000	4.475	LT											
130	3+326.000	4.475	LT	131	3+326.000	6.200	LT											
131	3+326.000	-4.475	LT	0	3+302.713	6.200	LT											
0	3+302.713	-10.200	LT	134	3+302.780	9.900	RT											
134	3+302.780	10.000	RT	135	3+302.575	11.400	RT											
135	3+302.575	9.900	RT	136	3+293.825	11.400	RT											
136	3+293.825	11.400	RT	137	3+291.348	6.200	RT											

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE		DRAWN BY KOJ
DATE FEBRUARY 6, 2009		CHECKED BY LWJ

PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract 74349\SHIT\_021\_sch.stormsewer\_VB.dgn



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**STORM SEWER SCHEDULE (CONTINUED)**

STR #	UPSTREAM STRUCTURE			DOWNSTREAM STRUCTURE			PRECAST REINFORCED CONCRETE FLARED END SECTIONS		REINFORCED CONCRETE PIPE TEE						JUNCTION BOX NO.1	PRECAST CONCRETE BOX CULVERT, 1.5M x 0.6M	BOX CULVERT END SECTION, CULVERT NO. 7
	LOCATION		LT/RT	LOCATION		LT/RT	600MM	1050MM	300MM PIPE WITH 300MM RISER	450MM PIPE WITH 300MM RISER	600MM PIPE WITH 300MM RISER	750MM PIPE WITH 300MM RISER	900MM PIPE WITH 300MM RISER	1050MM PIPE WITH 300MM RISER			
	STATION	OFFSET METER		STATION	OFFSET METER		M542E128 EACH	M542E148 EACH	M542C212 EACH	M542C220 EACH	M542C228 EACH	M542C236 EACH	M542C244 EACH	M542C248 EACH			
137	3+291.348	6.200	RT	138	3+291.348	6.200	LT										
139	3+263.000	4.475	RT	140	3+263.000	4.475	LT										
140	3+263.000	-4.475	LT	0	3+263.000	6.200	LT						1				
186	3+216.576	14.300	RT	141	3+218.395	6.000	RT										
141	3+218.395	6.000	RT	142	3+230.000	4.475	RT										
142	3+230.000	4.475	RT	143	3+230.000	4.475	LT										
143	3+230.000	-4.475	LT	144	3+230.000	6.200	LT										
145	3+215.745	-10.600	LT	0	3+215.745	6.200	LT						1				
0	3+206.645	14.300	RT	147	3+204.448	6.200	RT										
148	3+192.000	4.475	RT	0	3+192.000	6.200	RT						1				
149	3+173.000	4.475	RT	150	3+173.000	6.200	RT										
151	3+152.000	-4.475	LT	152	3+152.000	4.475	RT										
152	3+152.000	4.475	RT	0	3+152.000	6.200	RT						1				
155	3+129.452	-6.200	LT	156	3+115.748	6.200	LT										
156	3+115.748	-6.200	LT	158	3+115.748	6.200	RT										
157	3+118.225	12.200	RT	158	3+115.748	6.200	RT										
159	3+090.000	4.475	RT	0	3+090.000	6.200	RT						1				
160	3+062.000	-4.475	LT	161	3+062.000	4.475	RT										
161	3+062.000	4.475	RT	162	3+062.000	6.200	RT										
163	3+036.000	4.475	RT	0	3+036.000	6.200	RT						1				
164	3+010.000	-4.475	LT	165	3+010.000	4.475	RT										
165	3+010.000	4.475	RT	0	3+010.000	6.200	RT						1				
166	2+984.395	-6.000	LT	167	2+970.205	6.000	LT										
167	2+970.205	-6.000	LT	168	2+970.205	4.475	RT										
168	2+970.205	4.475	RT	169	2+970.205	6.200	RT										
170	2+927.500	-4.475	LT	171	2+927.500	4.475	RT										
171	2+927.500	4.475	RT	0	2+927.500	6.200	RT							1			
172	2+905.000	-6.200	LT	174	2+885.248	6.200	LT										
174	2+885.248	-6.200	LT	175	2+885.248	4.475	RT										
175	2+885.248	4.475	RT	0	2+885.248	6.200	RT							1			
176	2+863.000	-6.500	LT	177	2+863.000	4.475	LT										
177	2+863.000	-4.475	LT	179	2+863.000	6.200	RT										
178	2+863.000	8.300	RT	179	2+863.000	6.200	RT										
180	2+833.000	4.475	RT	0	2+833.000	6.200	RT							1			
181	2+803.000	4.475	RT	183	2+803.000	6.200	RT										
182	2+803.000	8.300	RT	183	2+803.000	6.200	RT										
173	2+896.595	-10.300	LT	0	2+896.595	6.200	LT			1							
300	3+576.965	11.800	RT	301	3+576.974	10.300	RT										
301	3+576.974	10.300	RT	302	3+582.000	6.375	RT										
302	3+582.000	6.375	RT	304	3+582.000	4.500	LT										
304	3+582.000	4.500	LT	307	3+617.600	4.500	LT										
307	3+617.600	4.500	LT	313	3+657.000	4.500	LT										
313	3+657.000	4.500	LT	319	3+690.350	4.500	LT										
319	3+690.350	4.500	LT	322	3+723.000	4.500	LT										
322	3+723.000	4.500	LT	326	3+739.000	4.500	LT										
326	3+739.000	4.500	LT	327	3+752.652	6.200	LT										
327	3+752.652	6.200	LT	333	3+800.000	6.200	LT										
333	3+800.000	6.200	LT	338	3+845.000	6.200	LT										
338	3+845.000	6.200	LT	341	3+876.000	6.200	LT										
341	3+876.000	6.200	LT	342	3+899.656	6.200	LT										
342	3+901.180	6.200	LT	401	3+960.405	6.200	LT							1			
401	3+960.405	6.200	LT	402	3+961.400	7.195	LT							64.400		1	
402	3+961.400	7.195	LT	403	3+961.400	11.000	LT										
303	3+582.000	6.375	LT	304	3+582.000	4.500	LT										
305	3+617.600	6.375	RT	307	3+617.600	4.500	LT										
306	3+617.600	6.375	LT	307	3+617.600	4.500	LT										
308	3+654.825	12.000	RT	309	3+656.750	12.000	RT										
309	3+656.750	12.000	RT	312	3+657.000	6.850	RT										
312	3+657.000	6.850	RT	313	3+657.000	4.500	LT										
314	3+654.825	11.900	LT	315	3+657.130	11.900	LT										

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>STORM SEWER SCHEDULE</b></p> <p>SCALE _____ DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009 CHECKED BY LWJ</p>

PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract\74349\SHIT\_021\_sch\_stormsewer\_VB.dgn





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	ZZRS-1	CRAWFORD	191	35
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**STORM SEWER SCHEDULE (CONTINUED)**

STR #	UPSTREAM STRUCTURE			DOWNSTREAM STRUCTURE			PRECAST REINFORCED CONCRETE FLARED END SECTIONS		REINFORCED CONCRETE PIPE TEE						JUNCTION BOX NO.1	PRECAST CONCRETE BOX CULVERT, 1.5M x 0.6M	BOX CULVERT END SECTION, CULVERT NO. 7
	LOCATION			LOCATION			600MM	1050MM	300MM PIPE WITH 300MM RISER	450MM PIPE WITH 300MM RISER	600MM PIPE WITH 300MM RISER	750MM PIPE WITH 300MM RISER	900MM PIPE WITH 300MM RISER	1050MM PIPE WITH 300MM RISER			
	STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT	M542E128	M542E148	M542C212	M542C220	M542C228	M542C236	M542C244	M542C248			
	METER			METER		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	METER	EACH	
316	3+670.000	6.375	LT	0	3+670.000	4.500	LT										
317	3+690.350	6.375	RT	319	3+690.350	4.500	LT										
318	3+690.350	6.375	LT	319	3+690.350	4.500	LT										
320	3+723.000	6.375	RT	322	3+723.000	4.500	LT										
321	3+723.000	6.375	LT	322	3+723.000	4.500	LT										
323	3+739.000	6.838	RT	326	3+739.000	4.500	LT										
324	3+739.000	10.500	LT	325	3+737.930	6.670	LT										
325	3+737.930	6.670	LT	326	3+739.000	4.500	LT										
328	3+758.000	4.475	RT	329	3+770.000	4.475	RT										
329	3+770.000	4.475	RT	330	3+770.000	4.475	LT										
330	3+770.000	4.475	LT	0	3+770.000	6.200	LT										
331	3+800.000	4.475	RT	332	3+800.000	4.475	LT										
332	3+800.000	4.475	LT	333	3+800.000	6.200	LT										
334	3+836.675	12.200	LT	335	3+827.839	10.500	LT										
335	3+827.839	10.500	LT	0	3+827.839	6.200	LT										
336	+000.000	4.475	RT	337	3+845.000	4.475	0										
337	+000.000	4.475	LT	338	3+845.000	6.200	0										
339	3+876.000	4.475	RT	340	3+876.000	4.475	LT										
340	3+876.000	4.475	LT	341	3+876.000	6.200	LT										
343	3+914.540	10.500	RT	344	3+914.540	5.300	RT										
344	3+914.540	5.300	RT	400	3+914.540	5.438	LT										
345	3+914.619	11.300	LT	400	3+914.619	6.950	LT										
346	+000.000	10.700	LT	400	3+923.432	6.950	0										
347	3+925.524	6.500	RT	348	3+933.000	4.475	RT										
348	3+933.000	4.475	RT	349	3+933.000	4.475	LT										
349	3+933.000	4.475	LT	400	3+933.000	5.438	LT										
350	3+955.700	4.475	RT	351	3+954.200	4.475	RT										
351	3+954.200	4.475	RT	353	3+954.200	4.475	LT										
353	3+954.200	4.475	LT	400	3+954.200	5.438	LT										
310	3+650.000	6.375	RT	312	3+657.000	6.850	RT										
311	3+667.000	6.375	RT	312	3+657.000	6.850	RT										
352	3+955.700	4.475	LT	353	3+954.200	4.475	LT										
500	4+046.000	4.475	RT	501	4+046.000	4.475	LT										
501	4+046.000	4.475	LT	502	4+046.000	6.200	LT										
502	4+046.000	6.200	LT	508	4+155.833	6.200	LT										
508	4+155.833	6.200	LT	512	4+168.233	6.200	RT										
512	4+168.233	6.200	RT	517	4+230.000	6.200	RT										
517	4+230.000	6.200	RT	522	4+315.737	6.200	RT										
522	4+315.737	6.200	RT	525	4+359.882	6.200	RT										
525	4+359.882	6.200	RT	528	4+403.640	6.200	RT										
528	4+403.640	6.200	RT	530	4+451.600	11.000	RT										
530	4+451.600	11.000	RT	531	4+474.750	11.000	RT	1									
503	4+082.500	4.475	RT	504	4+082.500	4.475	LT										
504	4+082.500	4.475	LT	0	4+082.500	6.200	LT										
505	4+119.000	4.475	RT	506	4+119.000	4.475	LT										
506	4+119.000	4.475	LT	0	4+119.000	6.200	LT										
507	4+155.118	4.475	LT	508	4+155.833	6.200	LT										
509	4+144.000	4.475	RT	510	4+151.900	11.000	RT										
510	4+151.900	11.000	RT	511	4+159.700	11.000	RT										
511	4+159.700	11.000	RT	512	4+168.233	6.200	RT										
513	4+180.000	4.475	LT	514	4+180.000	4.475	RT										
514	4+180.000	4.475	RT	0	4+180.000	6.200	RT										
515	4+230.000	4.475	LT	516	4+230.000	4.475	RT										
516	4+230.000	4.475	RT	517	4+230.000	6.200	RT										
518	4+275.000	4.475	RT	0	4+275.000	6.200	RT										
519	4+296.000	4.475	LT	520	4+315.737	4.475	LT										
520	4+315.737	4.475	LT	521	4+315.737	4.475	RT										
521	4+315.737	4.475	RT	522	4+315.737	6.200	RT										
523	4+359.882	4.475	LT	524	4+359.882	4.475	RT										
524	4+359.882	4.475	RT	525	4+359.882	6.200	RT										

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE		DRAWN BY KOJ
DATE FEBRUARY 6, 2009		CHECKED BY LWJ

PLOT DATE = 2/6/2009  
FILE NAME = H:\4428\Cont-mst-74349\SHIT\_021\_sch.stormsewer-VB.dgn



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	36
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**STORM SEWER SCHEDULE (CONTINUED)**

UPSTREAM STRUCTURE		DOWNSTREAM STRUCTURE			TRENCH BACKFILL	STORM SEWERS, CLASS A										RESTRICTED DEPTH MANHOLES						INLETS, TYPE A			INLETS, TYPE B				
STR #	LOCATION			STR #		LOCATION			TYPE 1										TYPE 1 FRAME, CLOSED LID			TYPE 3 FRAME AND GRATE			TYPE 3 FRAME AND GRATE	TYPE 8 FRAME AND GRATE	TYPE 11 FRAME AND GRATE	TYPE 3 FRAME AND GRATE	TYPE 8 GRATE
	STATION	OFFSET	LT/RT		STATION	OFFSET	LT/RT	M2080150	M5500215	M5500430	M5500450	M5500465	M5500475	M5500485	M5500495	M6022110	M6022210	M6022310	M6023255	M6022115	M6022215	M6022315	60235700	60236200					
	METER			METER			CU M	METER	METER	METER	METER	METER	METER	METER	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
EX	4+379.915	9.016	LT	526	4+403.640	7.860	LT	9.287		22.934																			
526	4+403.640	7.860	LT	527	4+403.640	4.475	RT	5.610		11.516																1			
527	4+403.640	4.475	RT	528	4+403.640	6.200	RT	0.167		0.581																1			
529	4+451.600	4.475	RT	530	4+451.600	11.000	RT	2.258		5.563																1			
<b>TOTALS</b>								2945.228	7.200	705.053	242.233	760.803	180.086	319.795	193.778	9.000	17.000	10.000	1.000	2.000	1.000	5.000	84.000	10.000	2.000	34.000	2.000		
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>								2946	7.2	705.1	242.3	760.9	180.1	319.8	193.8	9	17	10	1	2	1	5	84	10	2	34	2		

FOR MORE ITEMS, SEE NEXT SHEET

PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract 74349\SHIT\_031\_sch\_stormsewer\_V8.dgn

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>STORM SEWER SCHEDULE</b>  SCALE _____ DRAWN BY KOJ DATE FEBRUARY 6, 2009 CHECKED BY LWJ

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**STORM SEWER SCHEDULE (CONTINUED)**

UPSTREAM STRUCTURE				DOWNSTREAM STRUCTURE				PRECAST REINFORCED CONCRETE FLARED END SECTIONS		REINFORCED CONCRETE PIPE TEE						JUNCTION BOX NO.1	PRECAST CONCRETE BOX CULVERT, 1.5M x 0.6M	BOX CULVERT END SECTION, CULVERT NO. 7
STR #	LOCATION			STR #	LOCATION			600MM	1050MM	300MM PIPE WITH 300MM RISER	450MM PIPE WITH 300MM RISER	600MM PIPE WITH 300MM RISER	750MM PIPE WITH 300MM RISER	900MM PIPE WITH 300MM RISER	1050MM PIPE WITH 300MM RISER	60247400	MX540110	54001007
	STATION	OFFSET	LT/RT		STATION	OFFSET	LT/RT	M542E128	M542E148	M542C212	M542C220	M542C228	M542C236	M542C244	M542C248			
EX	4+379.915	9.016	LT	526	4+403.640	7.860	LT											
526	4+403.640	7.860	LT	527	4+403.640	4.475	RT											
527	4+403.640	4.475	RT	528	4+403.640	6.200	RT											
529	4+451.600	4.475	RT	530	4+451.600	11.000	RT											
<b>TOTALS</b>								2.000	1.000	1.000	2.000	8.000	5.000	7.000	3.000	1.000	64.400	1.000
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>								2	1	1	2	8	5	7	3	1	64.4	1

PLOT DATE = 2/6/2009  
 FILE NAME = H:\4420\Contract 74349\SHI\_031\_sch\_stormsewer\_v8.dgn

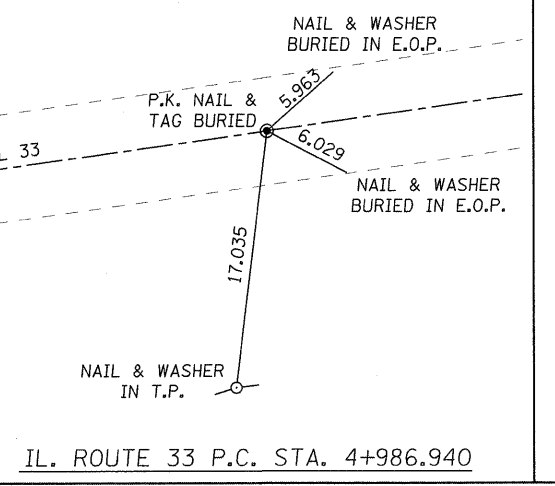
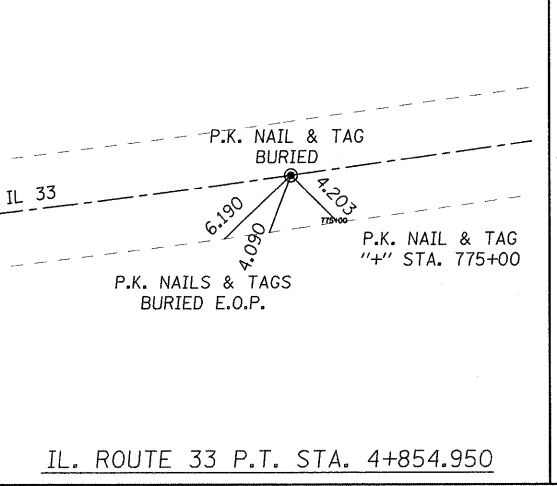
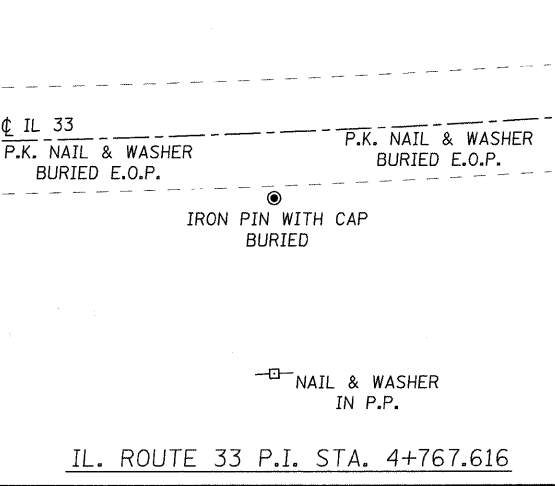
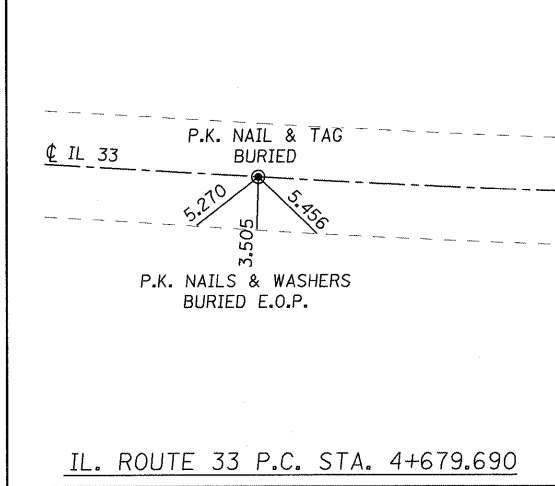
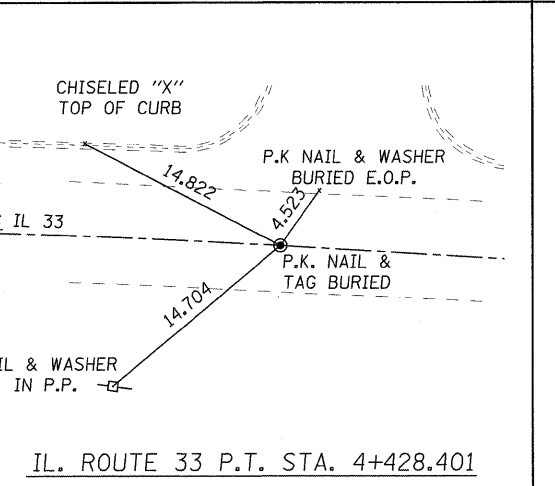
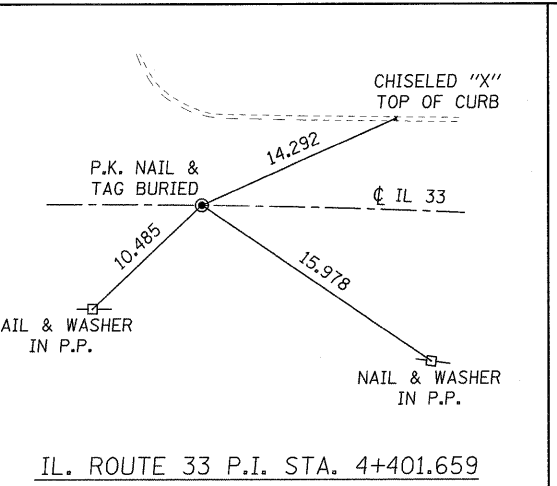
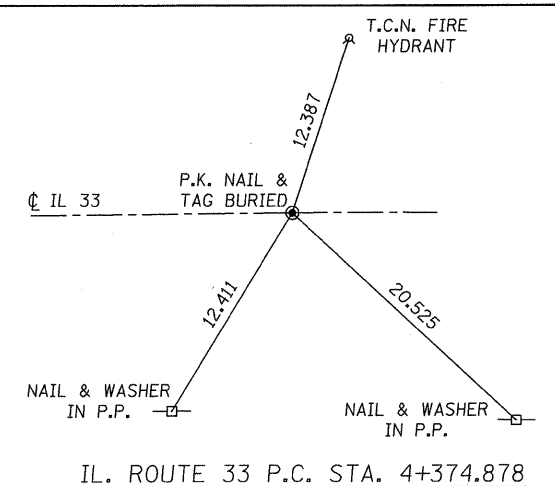
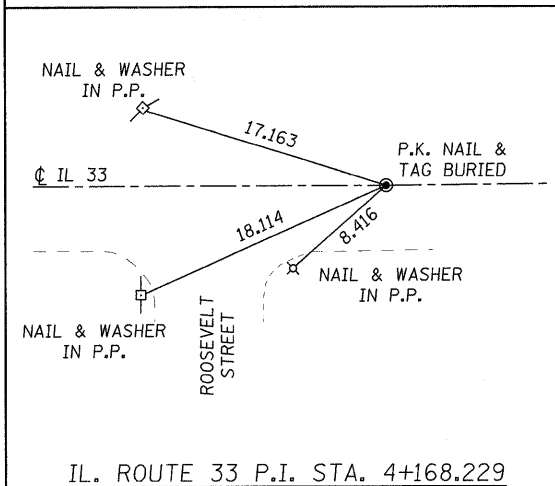
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>STORM SEWER SCHEDULE</b></p> <p>SCALE _____ DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009 CHECKED BY LWJ</p>

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTE: NORTH ARROW APPLIES TO ALL TIES



PLOT DATE = 2/6/2009  
FILE NAME = H:\4420\Contract\74349\SH1\_038.tie.dgn

H. M. & G. NO. 4420

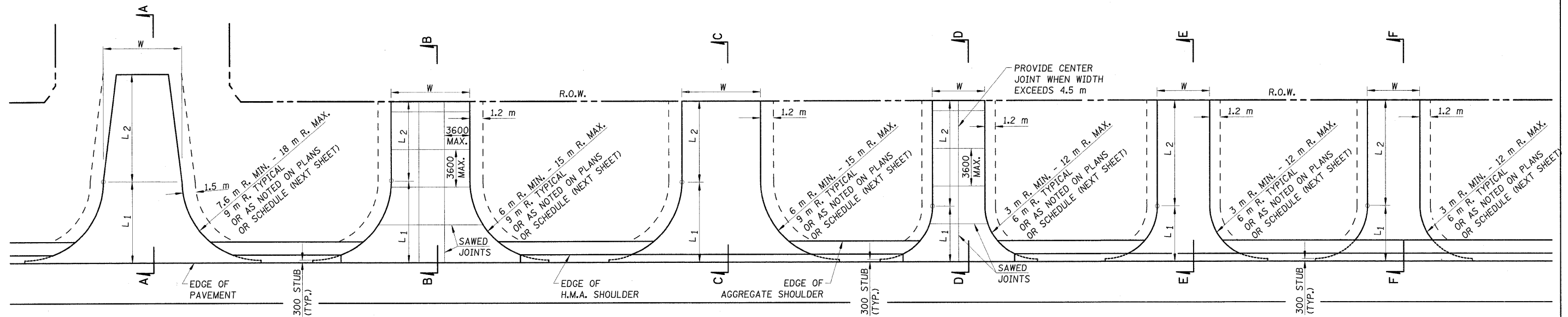
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCAL TIES**

SCALE NO SCALE      DRAWN BY EDW  
DATE FEBRUARY 6, 2009      CHECKED BY LWJ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	39
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**PUBLIC ROAD**

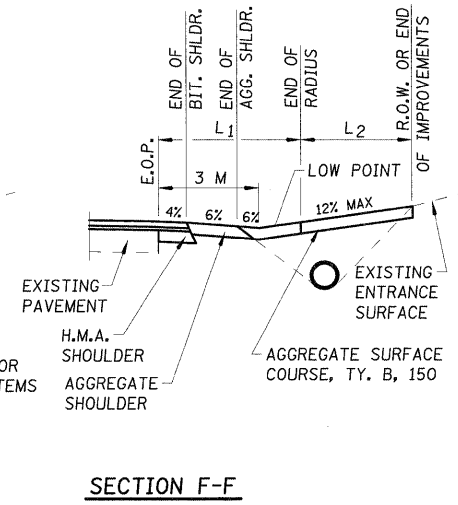
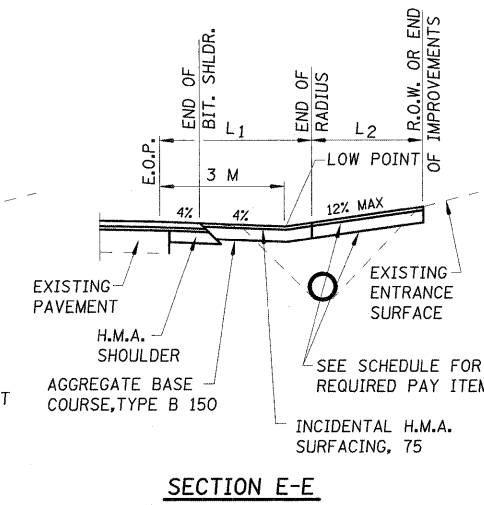
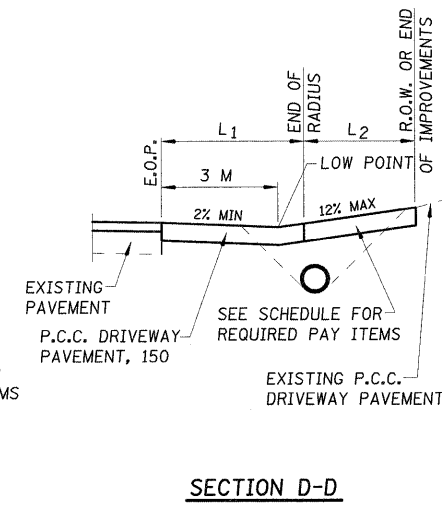
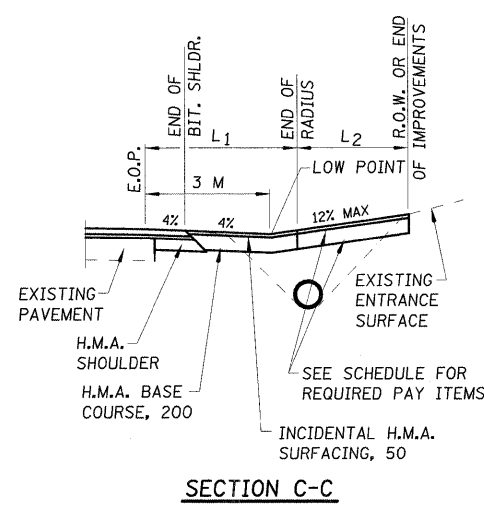
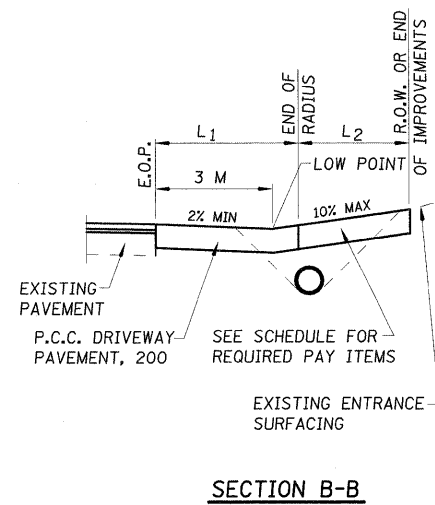
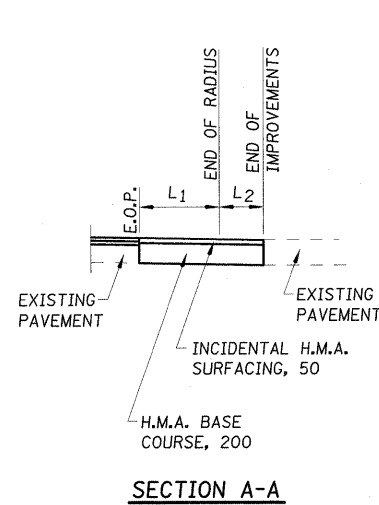
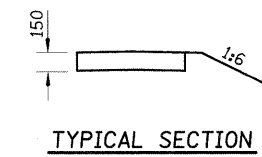
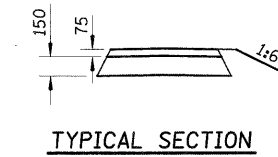
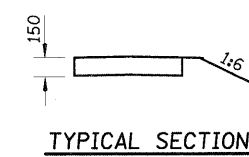
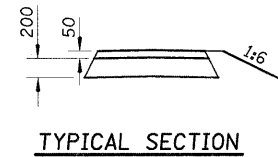
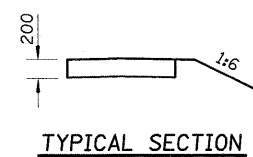
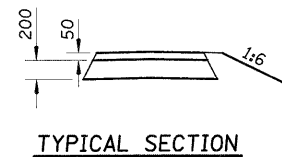
**COMMERCIAL (P.C.C.)**

**COMMERCIAL (H.M.A.)**

**PRIVATE ENTRANCE (P.C.C.)**

**PRIVATE ENTRANCE (H.M.A.)**

**FIELD ENTRANCE (AGGREGATE)**



**NOTES:**

- L<sub>1</sub> = DISTANCE FROM EDGE OF PAVEMENT TO RADIUS POINT
- L<sub>2</sub> = DISTANCE FROM RADIUS POINT TO R.O.W. OR END OF IMPROVEMENT
- MATERIAL USED TO CONSTRUCT L<sub>2</sub> LENGTH SHALL BE OF THE SAME TYPE OF MATERIAL AS THE EXISTING ENTRANCE
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>RURAL ENTRANCE DETAILS</b>  SCALE AS SHOWN      DRAWN BY EDW DATE FEBRUARY 6, 2009      CHECKED BY LWJ

PLOT DATE = 2/6/2009  
 FILE NAME = H:\4420\Contract\74349\SHIT\_039\_entr\_r\_1.vb.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**RURAL ENTRANCE SCHEDULE**

LOCATION				WIDTH	LENGTH			RADIUS	AGGREGATE BASE COURSE, TYPE B	HOT-MIX ASPHALT BASE COURSE	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)		AGGREGATE (PRIME COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING		PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT	
												PRIOR TO BINDER/BASE COURSE	PRIOR TO SURFACE COURSE		50MM	75MM		200 MM
STATION	LT/RT	TYPE	EXISTING MATERIAL	W1	L1	L2		150MM	200MM	150MM								
				METER	METER	METER	METER	M3511010	M3550500	M4021010	M4080100	M4080300	M4080500	M4230200				
								M TON	SQ. M	M TON	LITER	LITER	M TON	M TON	M TON	SQ. M		
<b>RURAL</b>																		
STA 0+952.000	RT	PE	AGGREGATE	4.6	6.30	2.54	6	12.68		4.21		52.82			6.34			
STA 1+201.500	LT	FE	DIRT	3.7	6.30	2.54	6			9.86								
STA 1+392.000	LT	CE	CONC/AGG	9.3	6.30	3.62	6			12.12						77.64		
STA 1+465.000	LT	FE	DIRT	5.5	6.30	3.82	6			16.56								
STA 1+465.000	RT	FE	DIRT	5.5	6.30	3.82	6			16.56								
STA 1+595.600	RT	FE	AGGREGATE	5.2	6.30	6.28	6			18.61								
STA 1+755.200	LT	PE	AGGREGATE	5.5	6.30	7.11	6	14.41		14.08		60.06			7.21			
STA 1+764.500	RT	FE	DIRT	7.2	9.30	4.11	9			33.42								
STA 1+970.300	RT	ROAD	AGGREGATE	5.5	See Plans	See Plans	10		236.98		355.47	82.94	0.355	28.44				
STA 1+970.300	RT	PE	AGGREGATE	See Plans	See Plans	See Plans	3	10.90		65.55		45.40			5.45			
STA 2+196.000	LT	FE	DIRT	3.6	6.30	8.64	6			17.52								
STA 2+403.300	RT	CE	CONCRETE	7.2	12.30	7.19	12									209.33		
STA 2+534.000	LT	FE	DIRT	4.3	6.30	7.11	6			18.33								
STA 2+575.600	LT	PE	AGG/BIT	5.2	6.30	7.11	6	27.16				113.16			13.58			
STA 2+759.000	RT	FE	DIRT	3.6	6.30	11.04	6			20.63								
<b>OBLONG - SEE URBAN ENTRANCE SCHEDULE FOR OBLONG</b>																		
STA 4+529.000	RT	PE	OIL & CHIP	7.2	9.30	5.64	9	45.95				191.45			22.97			
STA 4+583.500	LT	PE	AGGREGATE	7.2	9.30	5.64	9	31.34		14.61		130.57			15.67			
STA 4+601.300	RT	CE	AGGREGATE	10.6	9.30	5.52	9		115.61	21.06	173.41	40.46	0.173	13.87				
STA 4+618.800	LT	PE	AGGREGATE	4.7	9.30	5.74	9	23.78		9.71		99.07			11.89			
<b>TOTALS</b>								166.21	352.59	292.85	528.88	815.93	0.53	42.31	83.10	286.97		
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>								167	353	293	1,345	1	126	287				

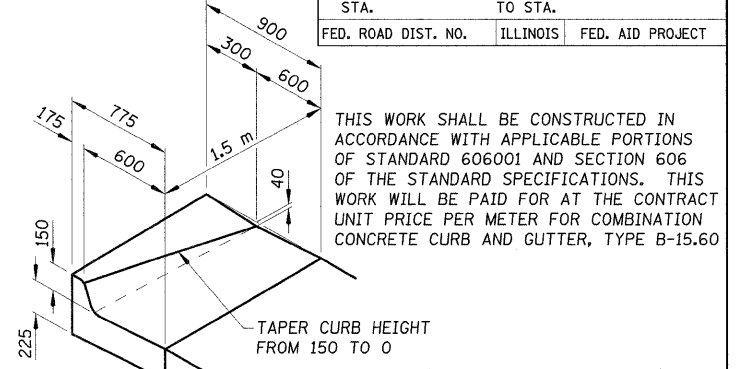
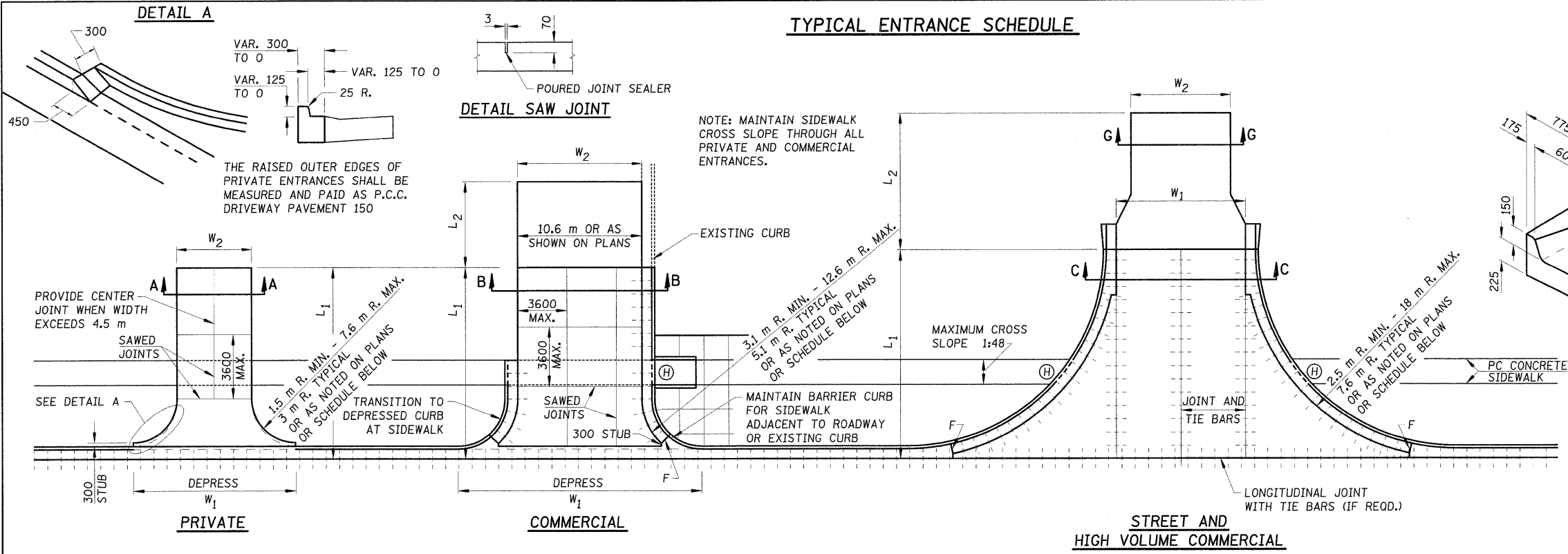
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H. M. & G. NO. 4420

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>RURAL ENTRANCE SCHEDULE</b></p> <p>SCALE NO SCALE                      DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009              CHECKED BY LWJ</p>

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	41
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

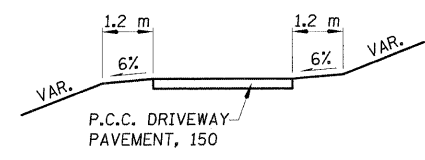
**TYPICAL ENTRANCE SCHEDULE**



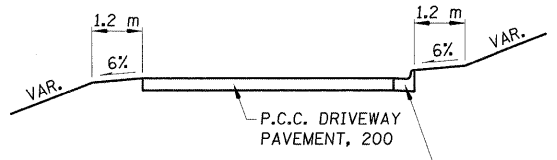
THIS WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE PORTIONS OF STANDARD 606001 AND SECTION 606 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.60

**SPECIAL OUTLET FOR COMBINATION CURB AND GUTTER TYPE B-15.60**

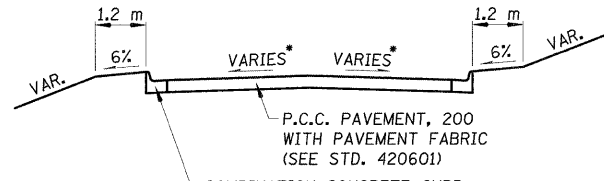
- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN
  - OMIT TIE BARS WITHIN 4.5 m OF MAINLINE PAVEMENT CONTRACTION JOINT OCCURRING WITHIN LIMITS OF ENTRANCES AND RADIUS RETURNS.
  - CONTRACTION JOINTS IN MAINLINE PAVEMENT SHALL EXTEND THRU ENTRANCES AND RADIUS RETURNS. SAWED JOINTS SHALL BE ADJUSTED ACCORDINGLY.
  - F = 25 PREFORMED EXPANSION JOINT FILLER.
  - WHEN PAVEMENT IS CONSTRUCTED MONOLITHICALLY, THE JOINTS SHALL BE SAWED JOINTS WITH TIE BARS. WHEN CONSTRUCTED OTHERWISE, THE JOINTS SHALL BE LONGITUDINAL JOINTS WITH TIE BARS AND KEYWAY.
  - DEPRESSED CURB & GUTTER THROUGH COMERCIAL ENTRANCES SHALL BE PAID FOR AS DRIVEWAY PAVEMENT.
  - DEPRESSED CURB AND GUTTER THROUGH PRIVATE ENTRANCES SHALL BE PAID FOR AS CURB AND GUTTER



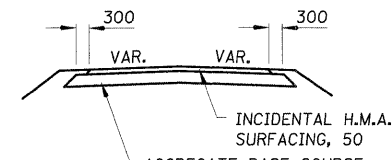
SECTION A-A



SECTION B-B



SECTION C-C



SECTION G-G

\* SEE INTERSECTION DETAILS

**URBAN ENTRANCE SCHEDULE**

STATION	LT/RT	TYPE	L1	L2	W1	W2	RADIUS	AGGREGATE		BITUMINOUS MATERIALS (PRIME COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING	PORTLAND CEMENT CONCRETE PAVEMENT	PAVEMENT FABRIC	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT	
								200 MM	150 MM					150 MM	200 MM
								M3511010	M4021010					M4080100	M4080500
								M TON	M TON	LITER	M TON	SQ M	SQ M	SQ M	SQ M
STA 2+767.5	LT	STREET	7.8	10.7	6.0	6.0	7.6	3.1		96.3	7.7	70.7	70.7		
STA 2+789.5	LT	PE	5.1		8.2	3.6	3.0 & 0.6							20.4	
STA 2+796.4	LT	PE	5.1		8.2	3.6	0.6 & 3.0							20.5	
STA 2+815.8	LT	PE	5.1		10.5	4.5	3.0							25.1	
STA 2+852.6	LT	PE	5.1		11.2	5.2	3.0							28.1	
STA 2+852.9	RT	CE	5.1		20.8	10.6	5.1								76.7
STA 2+892.1	LT	STREET	9.3	25.7	7.8	6.0	7.6	8.6	268.0	21.4	96.4	96.4			
STA 2+934.5	LT	PE	5.1		11.2	5.2	3.0							28.2	
STA 2+937.7	RT	CE	5.1		19.3	9.1	5.1								69.3
STA 2+977.3	LT	STREET	7.8	13.2	7.8	5.0	7.6	4.1	129.5	10.4	84.7	84.7			
STA 2+989.5	RT	CE	5.7		39.2	13.9	17.0								144.1
STA 3+122.6	LT	STREET	8.2	12.8	7.8	6.2	7.6	2.2	69.8	5.6	136.2	136.2			
STA 3+122.6	RT	STREET	16.3	9.7	7.8	8.8	7.6	3.5	109.9	8.8	159.6	159.6			
STA 3+163.8	RT	CE	5.1		17.4	7.2	5.1								59.4
STA 3+163.9	LT	PE	5.1		9.6	3.6	3.0							21.2	
STA 3+176.0	LT	CE	5.1		14.5	4.3	5.1								44.6
STA 3+211.3	LT	STREET	8.7	7.6	7.8	6.1	7.6	2.6	82.5	6.6	89.4	89.4			
STA 3+211.3	RT	STREET	7.8	13.2	7.8	5.7	7.6	4.3	135.9	10.9	84.7	84.7			
STA 3+252.2	LT	PE	5.1		9.6	3.6	3.0							21.2	
STA 3+255.1	RT	PE	5.1		9.6	3.6	3.0							21.2	
STA 3+269.4	LT	PE	5.1		9.6	3.6	3.0							21.2	
STA 3+298.2	LT	STREET	8.4	12.6	7.8	6.0	7.6	4.3	134.9	10.8	89.4	89.4			
STA 3+298.2	RT	STREET	8.1	15.9	7.8	8.2	7.6	6.4	200.4	16.0	87.1	87.1			
JACKSON ST. STA 10+019.3	LT	CE	6.0		10.8	7.2	3.6								52.6

CONTINUED ON NEXT SHEET

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>URBAN ENTRANCE DETAILS AND SCHEDULE</b></p> <p>SCALE NO SCALE      DRAWN BY KOJ</p> <p>DATE FEBRUARY 6, 2009      CHECKED BY LWJ</p>

PLOT DATE = 2/6/2009 FILE NAME = H:\1428\Contract 74349\SH1\_041.ent.ul.v8.dgn

H. M. & G. NO. 4420

URBAN ENTRANCE SCHEDULE (CONTINUED)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STATION	LT/RT	TYPE	L1	L2	W1	W2	RADIUS	AGGREGATE BASE COURSE, TYPE B	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING	PORTLAND CEMENT CONCRETE PAVEMENT	PAVEMENT FABRIC	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT		
								200 MM	150 MM		50 MM	200 MM		150 MM	200 MM	
								M3511010	M4021010		M4080100	M4200200		M4205100	M4230150	M4230200
								M TON	M TON	LITER	M TON	SQ M	SQ M	SQ M	SQ M	
								METER	METER	METER	METER	METER	METER	METER	METER	
STA 3+317.8	RT	CE	5.6		16.2	6.0	5.1	.	.	.	.	.	.	.	82.0	.
STA 3+334.0	RT	CE	5.6		14.8	6.0	5.1 & 3.7	.	.	.	.	.	.	.	68.2	.
STA 3+345.5	RT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 3+354.5	LT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 3+385.05	LT	STREET	16.0		7.9		7.6 & 5.7	.	.	.	155.8	155.8	.	.	.	.
STA 3+385.225	RT	CE	5.1	1.5	16.2	6.0	5.1	.	.	.	.	.	.	.	62.2	.
STA 3+415.6	RT	CE	3.7	1.0	13.6	7.2	3.2	.	.	.	.	.	.	.	56.4	.
STA 3+433.4	RT	CE	3.7	1.0	17.0	10.6	3.2	.	.	.	.	.	.	.	71.2	.
STA 3+437.3	LT	CE	3.2		15.3	8.9	3.2	.	.	.	.	.	.	.	39.7	.
STA 3+452.2	RT	CE	3.7	1.0	13.0	6.6	3.2	.	.	.	.	.	.	.	56.7	.
ADAMS ST. STA 10+016.2	RT	CE	4.0		13.4	9.2	2.1	.	.	.	.	.	.	.	48.1	.
STA 3+472.4	RT	STREET	17.6	1.5	7.8	7.8	5.7	0.6	.	17.6	1.4	145.5	145.5	.	.	.
ADAMS ST. STA 10+015.1	LT	CE	2.9		11.2	7.0	2.1	.	.	.	.	.	.	.	28.2	.
STA 3+483.0	LT	CE	3.2		14.2	7.8	3.2	.	.	.	.	.	.	.	36.2	.
STA 3+493.7	RT	CE	3.7	1.0	13.6	7.2	3.2	.	.	.	.	.	.	.	62.3	.
STA 3+504.6	LT	CE	3.2		15.8	9.4	3.2	.	.	.	.	.	.	.	41.3	.
STA 3+529.7	RT	CE	4.6		10.0	4.2	3.2	.	.	.	.	.	.	.	29.7	.
STA 3+572.156	RT	STREET	9.3	1.5	8.8	8.8	3.2	0.6	.	19.8	1.6	85.7	85.7	.	.	.
STA 3+572.7	LT	STREET	14.6	1.5	8.0	8.0	3.2	0.6	.	18.0	1.4	120.7	120.7	.	.	.
STA 3+659.2	LT	STREET	7.6	6.5	7.8	7.0	5.7	2.3	.	73.2	5.9	72.5	72.5	.	.	.
STA 3+659.2	RT	STREET	11.1	3.0	7.8	6.1	3.1	1.0	.	31.4	2.5	90.2	90.2	.	.	.
GARFIELD ST. STA 10+016.225	LT	CE	3.0		10.3	8.2	2.1	.	.	.	.	.	.	.	28.9	.
STA 3+681.85	RT	CE	3.7	1.0	17.0	10.6	3.2	.	.	.	.	.	.	.	75.2	.
STA 3+696.3	RT	CE	3.7	1.0	11.9	5.5	3.2	.	.	.	.	.	.	.	44.1	.
STA 3+708.2	RT	CE	3.7	1.0	11.9	5.5	3.2	.	.	.	.	.	.	.	32.2	.
GRANT ST. STA 10+014.7	RT	CE	3.6		9.7	5.5	2.1	.	.	.	.	.	.	.	28.2	.
STA 3+745.8	LT	STREET	12.4	4.6	7.8	5.7	5.7 & 7.6	1.5	.	46.7	3.7	126.2	126.2	.	.	.
STA 3+746.0	RT	STREET	16.0	5.0	7.8	6.2	5.7 & 7.6	1.7	.	54.3	4.3	153.0	153.0	.	.	.
STA 3+790.1	RT	CE	5.1		14.1	3.9	5.1	.	.	.	.	.	.	.	42.5	.
STA 3+806.1	RT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 3+822.6	RT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
HARRISON ST. STA 9+975.225	RT	CE	6.1		13.5	3.6	4.0	.	.	.	.	.	.	.	49.5	.
STA 3+832.3	LT	STREET	16.0	20.0	7.8	6.6	7.6	7.9	.	248.0	19.8	148.7	148.7	.	.	.
STA 3+882.2	RT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 3+887.9	LT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 3+892.5	RT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 3+906.322	LT	CE	5.1	2.0	7.9	3.0	3.0	.	.	.	.	.	.	.	33.7	.
STA 3+919.0	LT	STREET	8.2	7.6	7.8	6.0	7.6	2.7	.	82.9	6.6	87.9	87.9	.	.	.
STA 3+919.0	RT	STREET	8.2	7.8	7.8	6.5	7.6	2.7	.	84.9	6.8	87.9	87.9	.	.	.
STA 3+943.9	RT	PE	6.5		9.6	3.6	3.0	.	.	.	.	.	.	26.3	.	.
STA 3+979.7	LT	CE	6.5		19.6	9.4	5.1	.	.	.	.	.	.	.	85.9	.
STA 3+984.0	RT	PE	5.1		7.6	3.6	3 & 0.6	.	.	.	.	.	.	20.2	.	.
STA 3+989.5	RT	PE	5.1		7.6	3.6	0.6 & 3	.	.	.	.	.	.	20.2	.	.
STA 4+030.3	LT	CE	6.5		19.6	9.4	5.1	.	.	.	.	.	.	.	85.9	.
STA 4+039.7	RT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 4+072.0	LT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 4+075.6	RT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 4+098.5	LT	PE	5.3		11.9	5.9	3.0	.	.	.	.	.	.	32.1	.	.
STA 4+112.2	RT	PE	5.1		8.0	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 4+119.600	LT	PE	5.3		8.0	3.6	3 & 0.6	.	.	.	.	.	.	21.1	.	.
STA 4+126.700	LT	PE	5.3		9.4	5.0	0.6 & 3	.	.	.	.	.	.	27.3	.	.
STA 4+155.800	RT	STREET	8.2	7.8	6.8	6.2	7.6	24.6	.	76.9	6.1	79.7	79.7	.	.	.
STA 4+168.500	LT	PE	5.3		10.3	4.3	3.0	.	.	.	.	.	.	25.0	.	.
STA 4+189.800	LT	PE	5.3		10.4	4.4	3.0	.	.	.	.	.	.	25.4	.	.
STA 4+202.500	RT	PE	5.4		9.6	3.6	3.0	.	.	.	.	.	.	22.3	.	.
STA 4+220.500	LT	PE	5.4		11.3	5.3	3.0	.	.	.	.	.	.	29.9	.	.
STA 4+223.200	RT	PE	8.1		9.6	3.6	3.0	.	.	.	.	.	.	32.0	.	.
STA 4+257.700	RT	PE	7.0		9.7	3.7	3.0	.	.	.	.	.	.	32.0	.	.
STA 4+292.6	RT	PE	8.1		9.8	3.8	3.0	.	.	.	.	.	.	33.5	.	.
STA 4+307.000	LT	CE	5.1		18.2	8.6	5.1 & 4.5	.	.	.	.	.	.	.	65.0	.
STA 4+309.100	RT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.2	.	.
STA 4+323.7	LT	CE	5.1		16.4	6.8	4.5 & 5.1	.	.	.	.	.	.	.	55.8	.
STA 4+337.600	LT	PE	5.1		11.0	5.0	3.0	.	.	.	.	.	.	27.3	.	.
STA 4+374.000	RT	CE	5.1		18.2	8.0	5.1	.	.	.	.	.	.	.	63.6	.
STA 4+374.100	LT	PE	5.1		9.6	3.6	3.0	.	.	.	.	.	.	21.3	.	.
STA 4+391.900	LT	CE	11.6		19.0	8.8	5.1	.	.	.	.	.	.	.	134.8	.
STA 4+432.100	LT	CE	11.6		19.0	8.8	5.1	.	.	.	.	.	.	.	135.2	.
STA 4+441.500	RT	CE	5.1	8.0	16.2	6.0	5.1	.	.	.	.	.	.	.	53.6	.
STA 4+452.600	LT	CE	11.6		21.0	7.8	6.6	.	.	.	.	.	.	.	132.4	.
STA 4+461.700	RT	CE	5.1	9.2	16.2	6.0	5.1	.	.	.	.	.	.	.	53.3	.
<b>TOTALS</b>								85.5	42.7	1980.8	158.5	2251.9	2251.9	857.7	2328.7	
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>								86	43	1981	159	2252	2252	858	2329	

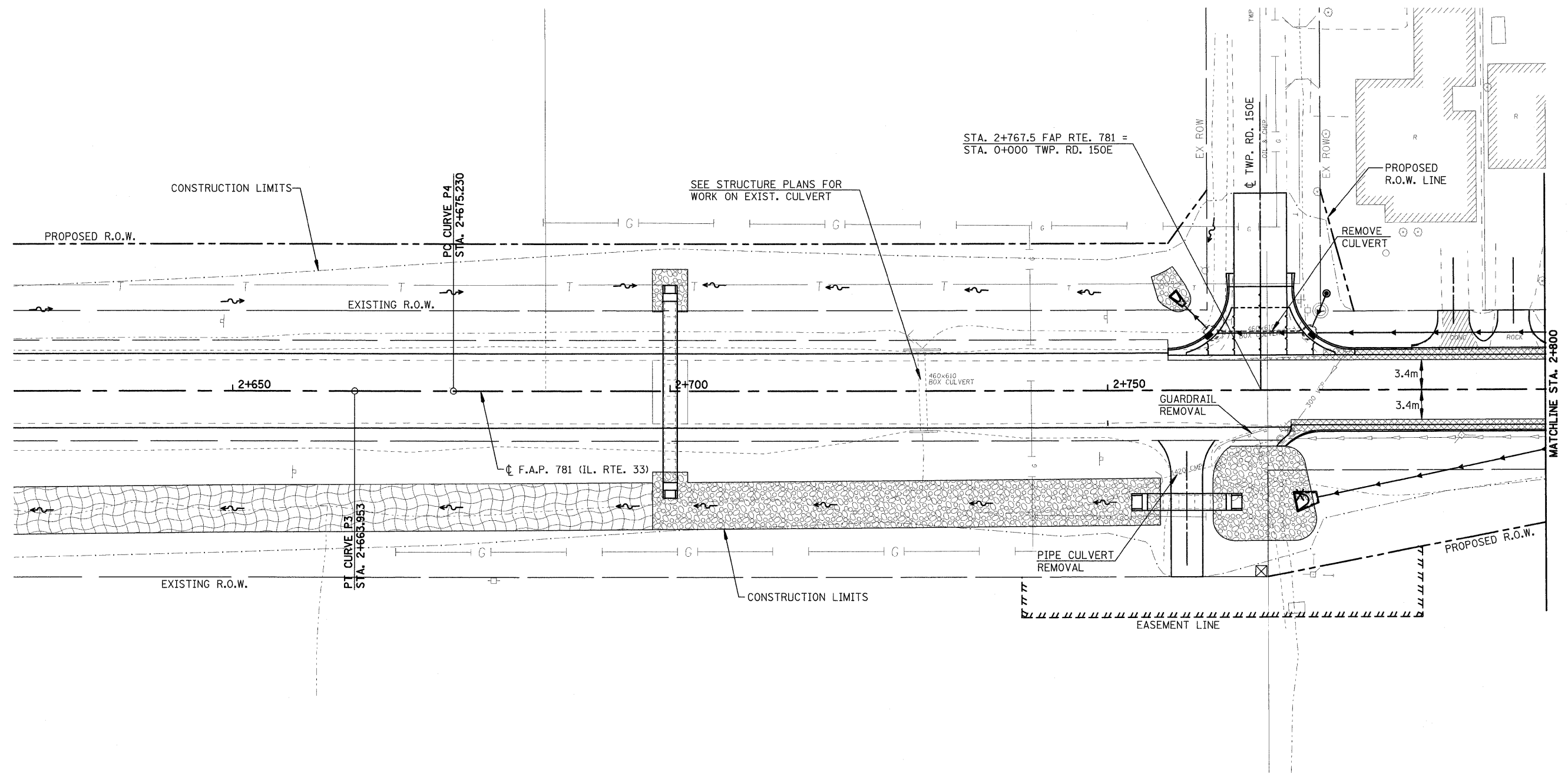
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		URBAN ENTRANCE SCHEDULE
SCALE	NO SCALE	DRAWN BY KOJ
DATE	FEBRUARY 6, 2009	CHECKED BY LWJ

PLOT DATE = 2/6/2009  
FILE NAME = H:\1420\Contract 74349\SH1\_041.ent.ctb.uj.V8.dgn





H. M. & G. NO. 4420

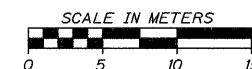


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	43
STA. 2+625		TO STA. 2+800		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

-  DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
-  PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
-  SIDEWALK REMOVAL (INCLUDES STEPS)
-  HANDICAP RAMP

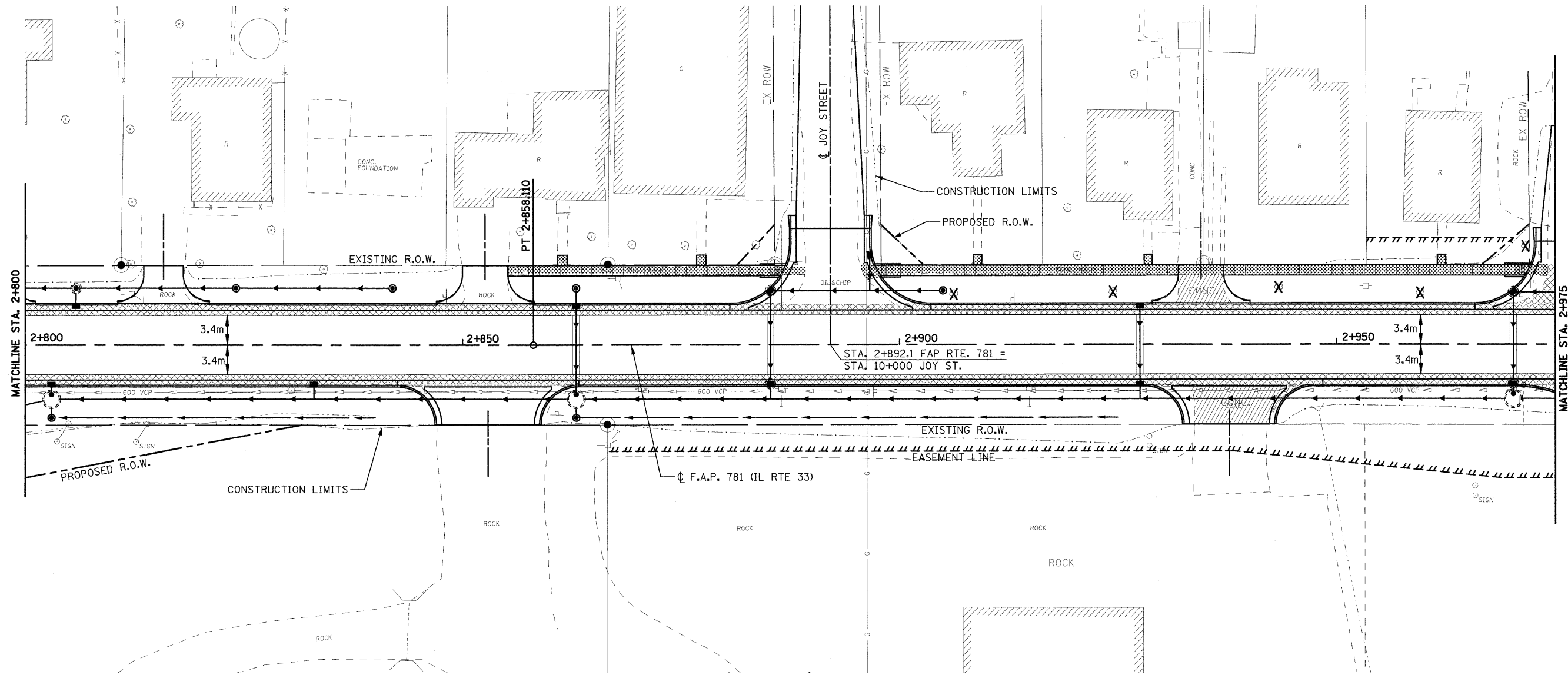


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>REMOVAL ITEMS</b>  SCALE _____ DRAWN BY EDW DATE FEBRUARY 6, 2009 CHECKED BY LWJ

PLOT DATE = 2/5/2009  
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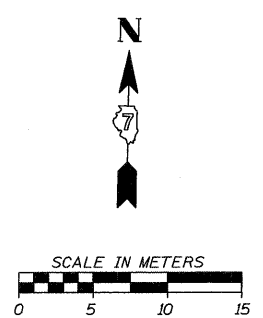
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	44
STA. 2+800		TO STA. 2+975		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

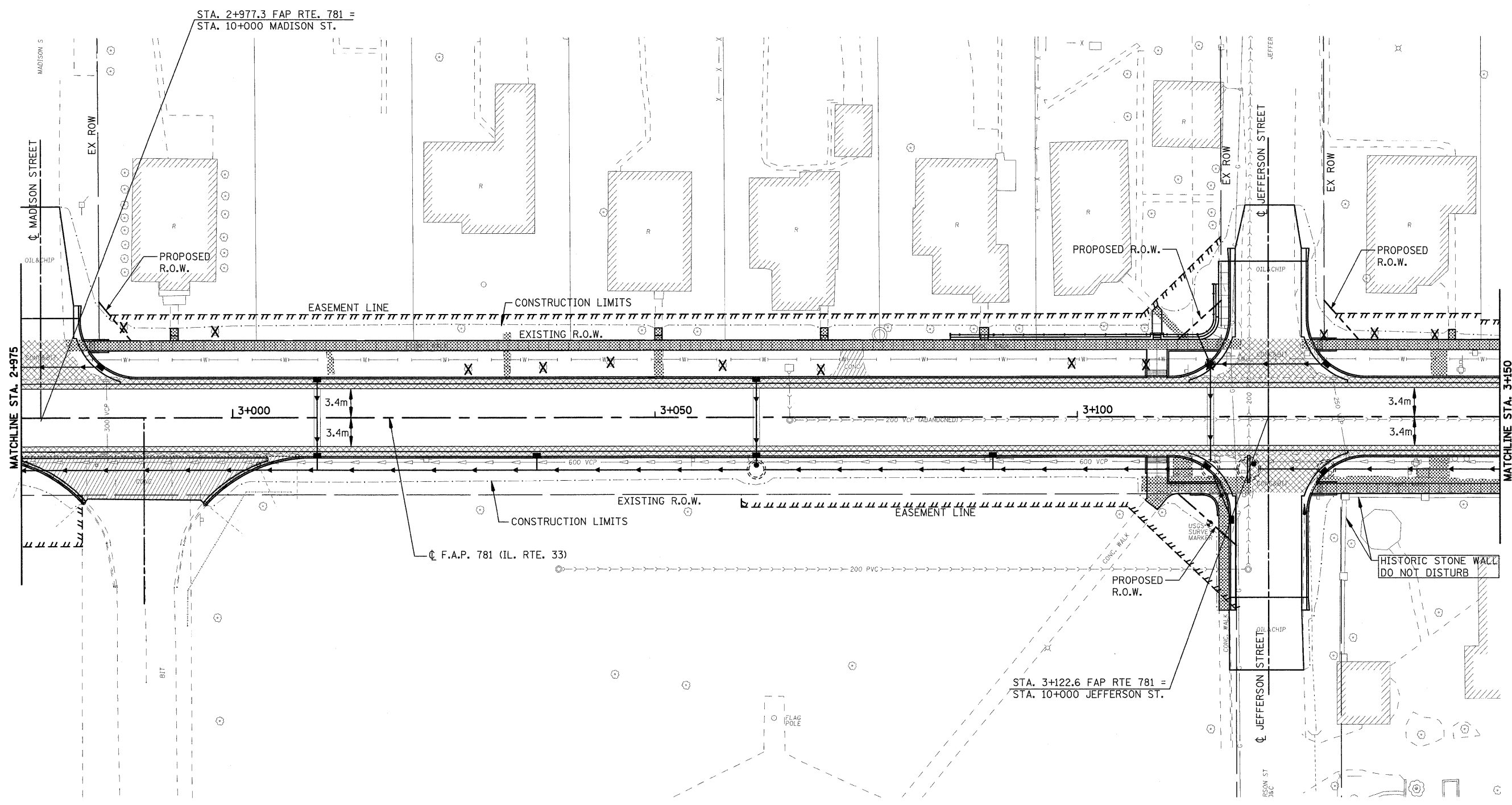
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
	SIDEWALK REMOVAL (INCLUDES STEPS)



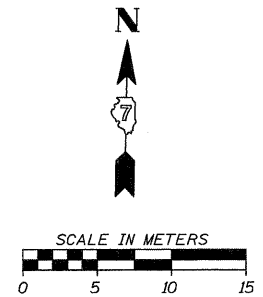
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		REMOVAL ITEMS
SCALE	DRAWN BY EDW	
DATE FEBRUARY 6, 2009	CHECKED BY LWJ	

PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract 74349\SHIT\_044.REM250\_02.dgn

H. M. & G. NO. 4420



- LEGEND**
- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
  - PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
  - SIDEWALK REMOVAL (INCLUDES STEPS)

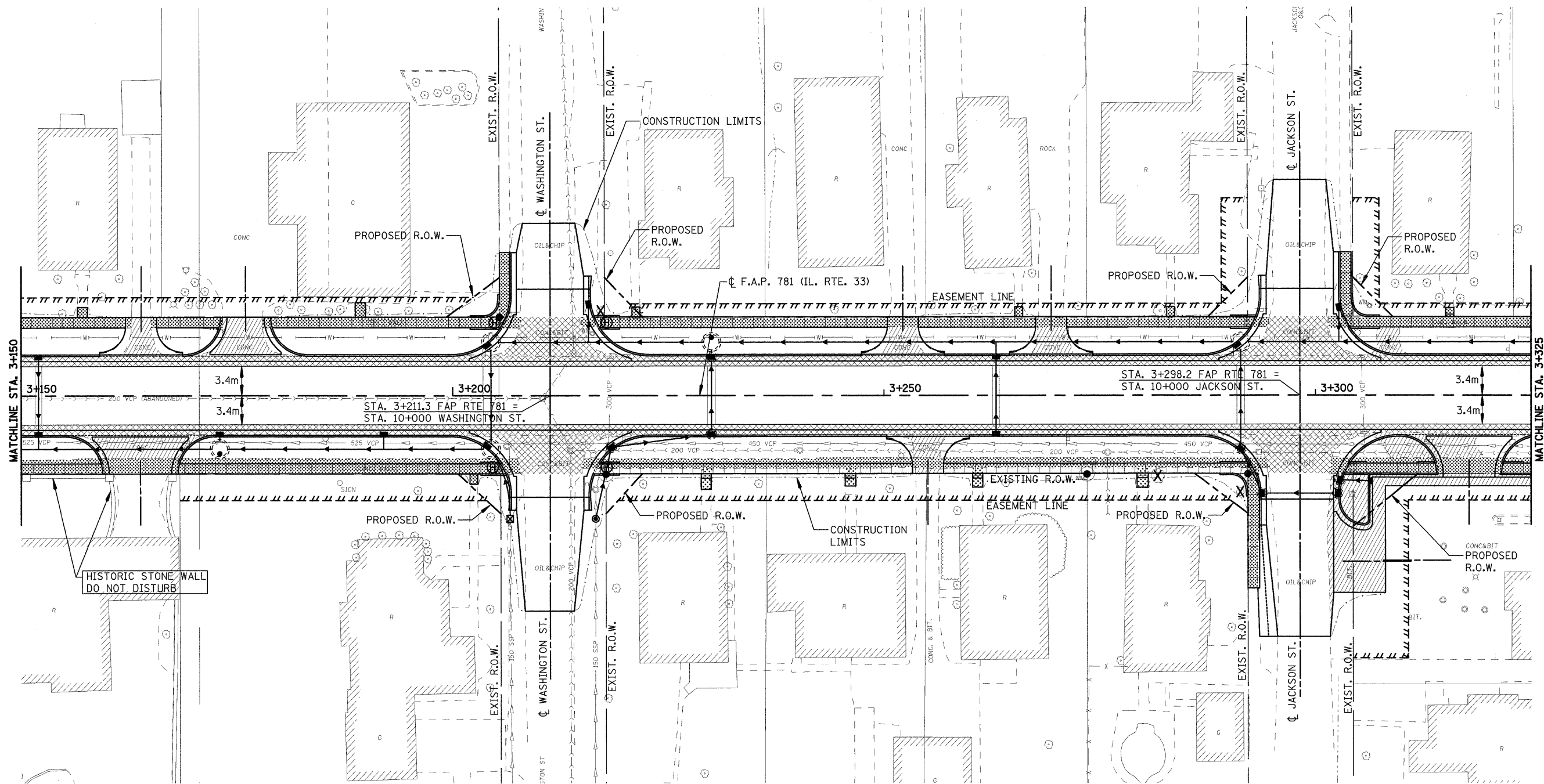


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
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PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract 74349\BIT\_0M5\_REM250\_03.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	46
STA. 3+150		TO STA. 3+325		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

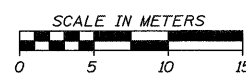


MATCHLINE STA. 3+150

MATCHLINE STA. 3+325

**LEGEND**

- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)



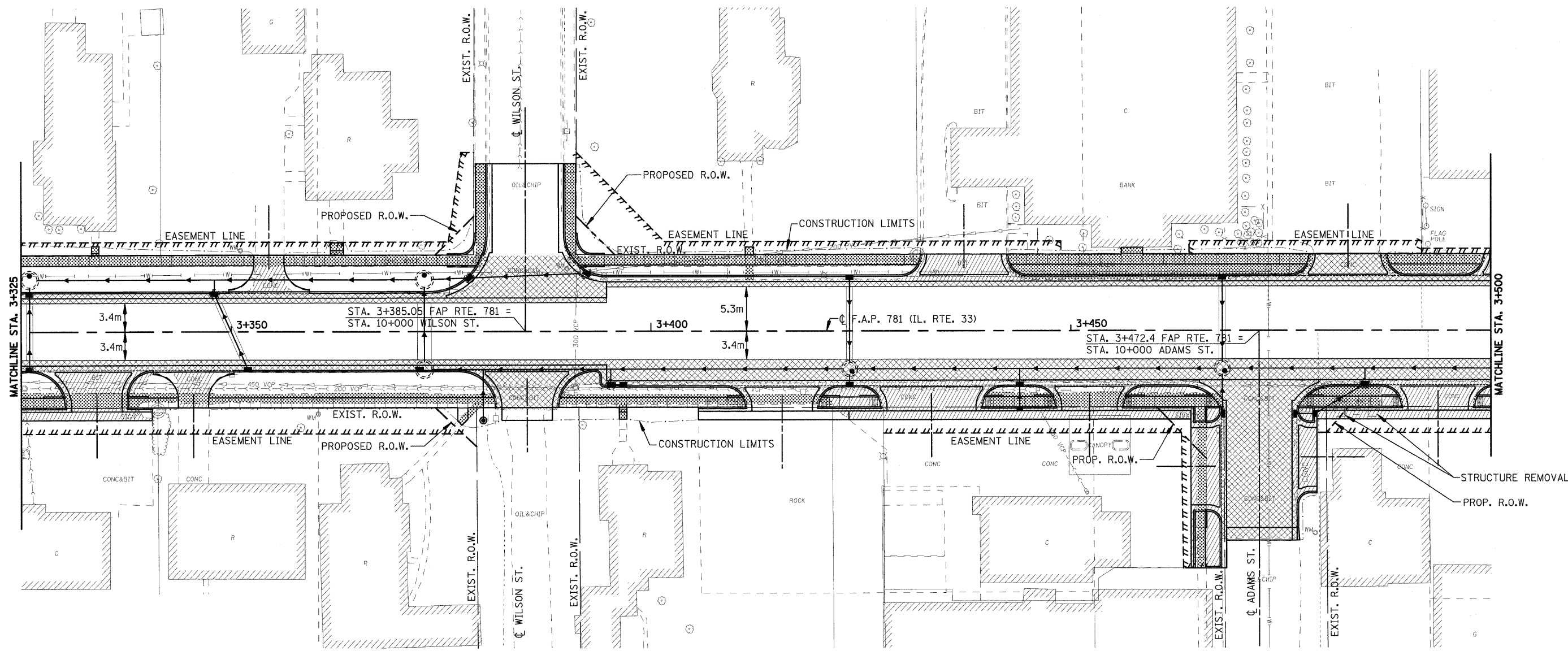
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
<b>REMOVAL ITEMS</b>	
SCALE	DRAWN BY EDW
DATE FEBRUARY 6, 2009	CHECKED BY LWJ





PLOT DATE = 2/5/2009  
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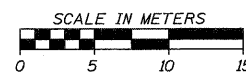
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	47
STA. 3+325		TO STA. 3+500		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**LEGEND**

-  DRIVEWAY PAVEMENT REMOVAL  
(INCLUDES ALL MATERIAL ENCOUNTERED)
-  PAVEMENT REMOVAL  
(INCLUDES ALL MATERIAL ENCOUNTERED)
-  SIDEWALK REMOVAL  
(INCLUDES STEPS)
-  HANDICAP RAMP



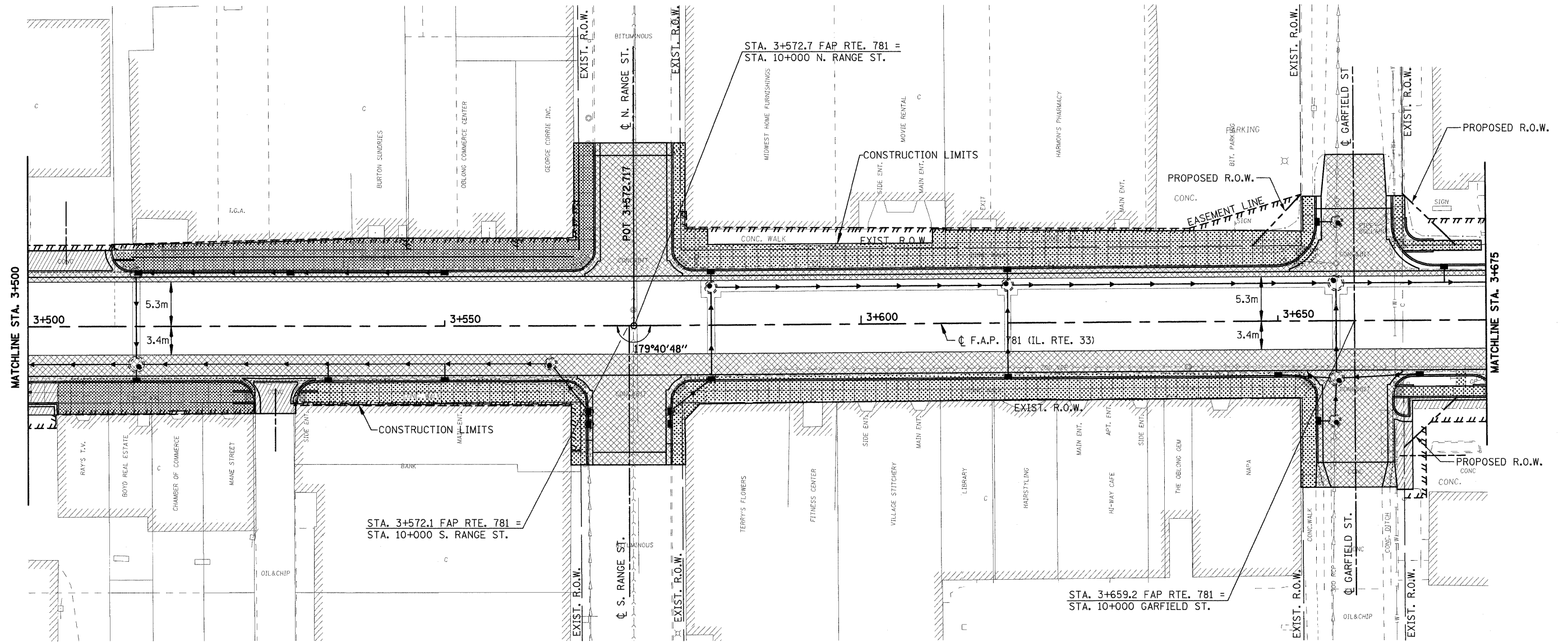
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		REMOVAL ITEMS

SCALE: DATE FEBRUARY 6, 2009 DRAWN BY EDW CHECKED BY LWJ

PLOT DATE = 2/5/2009 FILE NAME = H:\V4420\Contract 74349\SHIT\_047\_REM260\_05.dgn

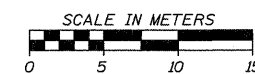
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	48
STA. 3+500		TO STA. 3+675		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**LEGEND**

- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)

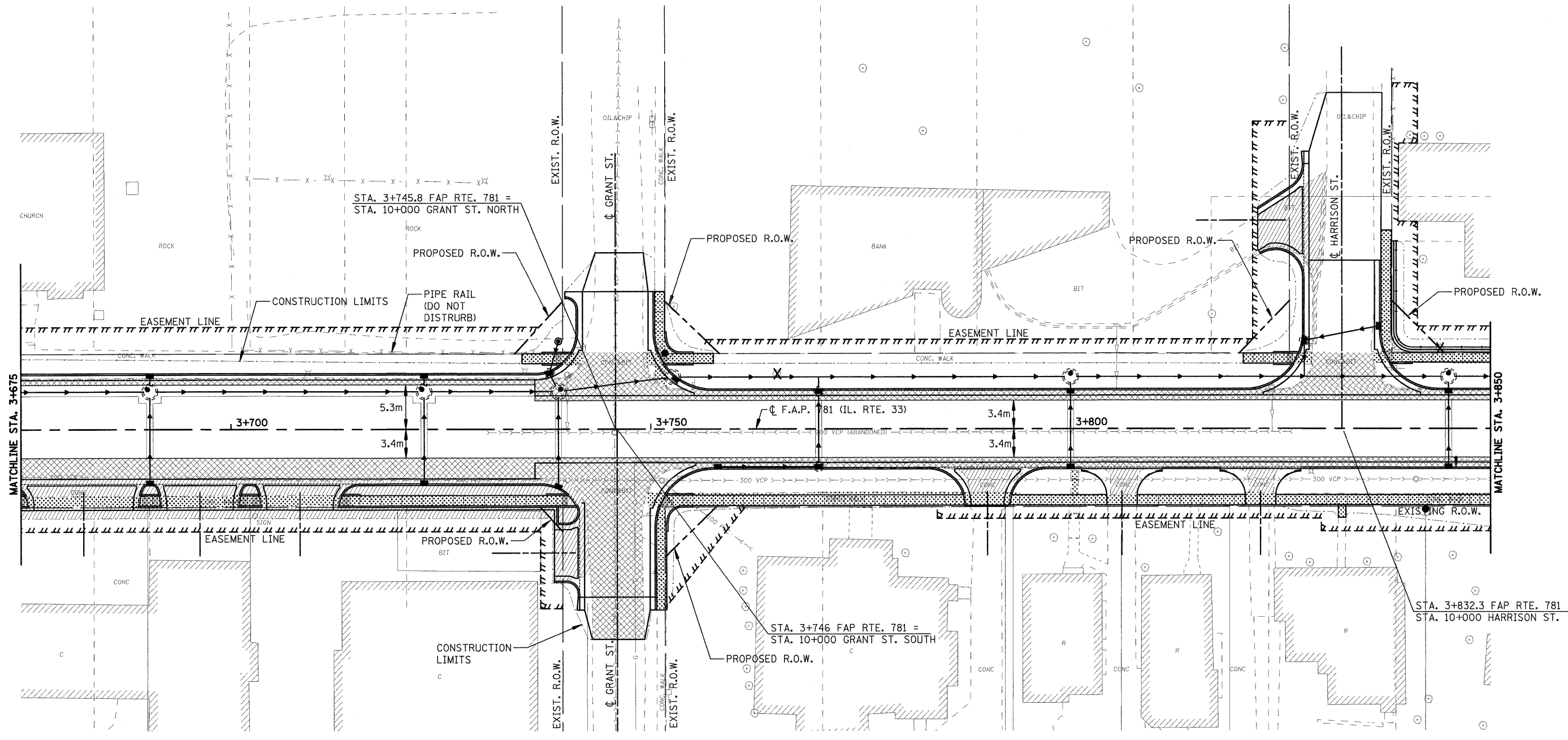


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>REMOVAL ITEMS</b>  SCALE _____ DRAWN BY EDW DATE FEBRUARY 6, 2009 CHECKED BY LWJ

PLOT DATE = 2/5/2009  
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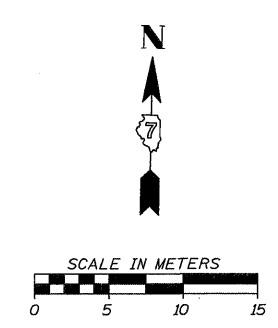


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	49
STA. 3+675		TO STA. 3+850		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
	SIDEWALK REMOVAL (INCLUDES STEPS)



REVISIONS	
NAME	DATE

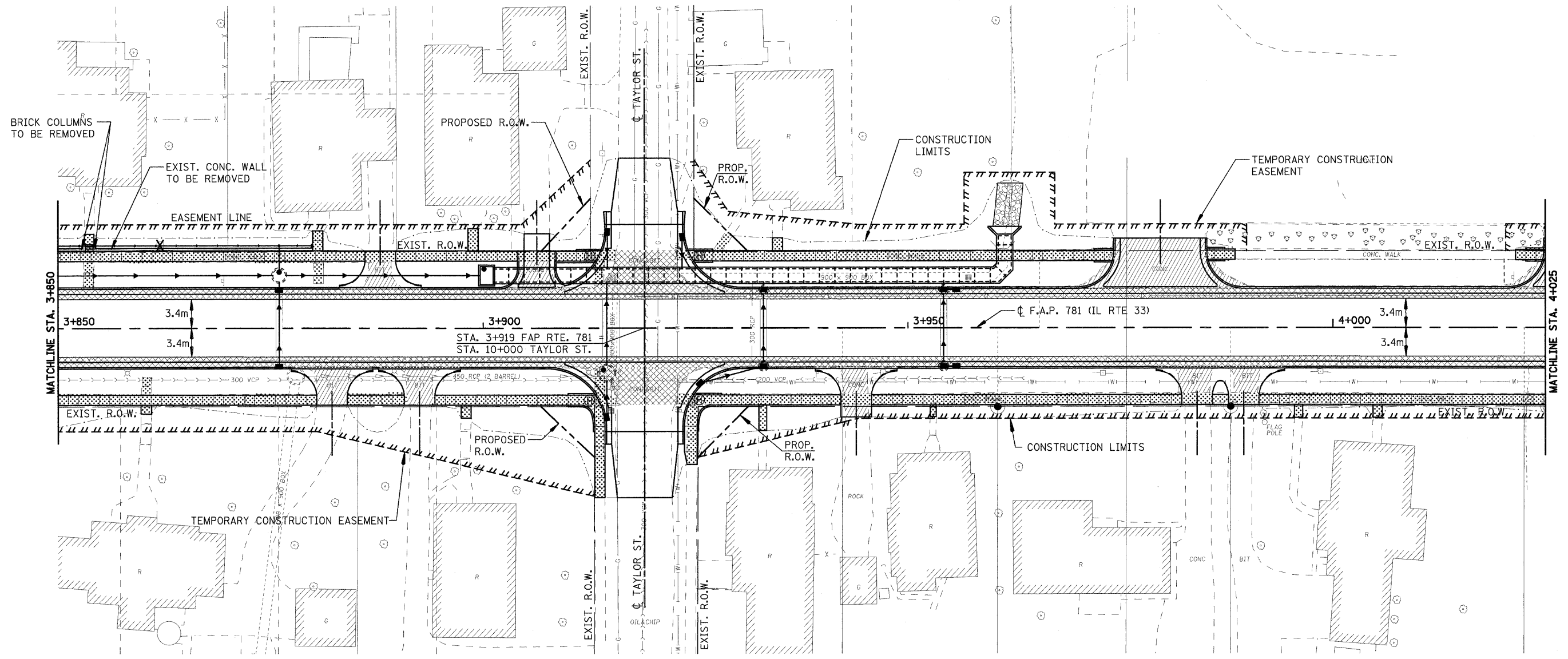
ILLINOIS DEPARTMENT OF TRANSPORTATION	
<b>REMOVAL ITEMS</b>	
SCALE	DRAWN BY EDW
DATE FEBRUARY 6, 2009	CHECKED BY LWJ

PLOT DATE = 2/5/2009  
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H. M. & G. NO. 4420

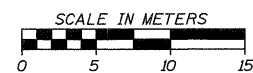


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	50
STA. 3+850		TO STA. 4+025		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)



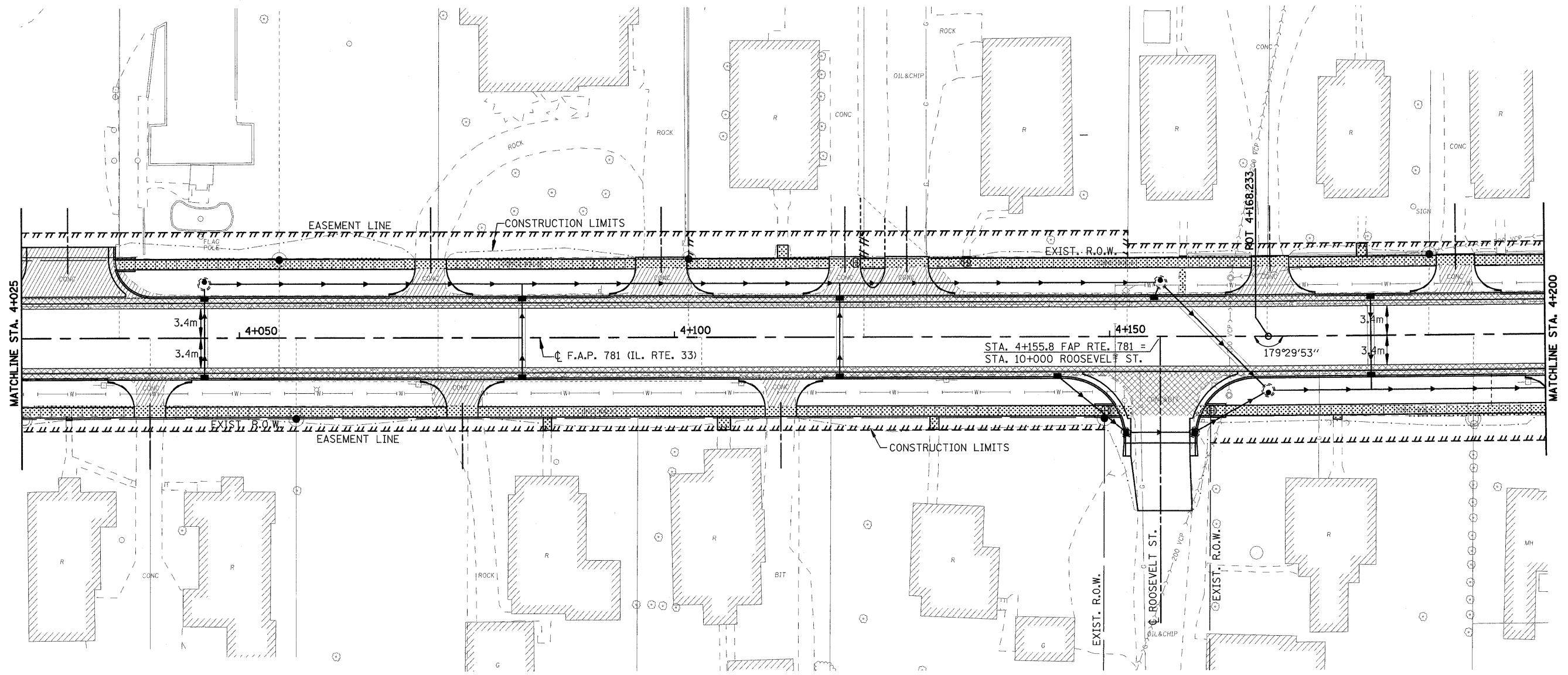
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
<b>REMOVAL ITEMS</b>	
SCALE	DRAWN BY EDW
DATE FEBRUARY 6, 2009	CHECKED BY LWJ

PLOT DATE = 2/5/2009  
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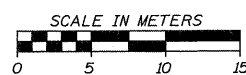
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	51
STA. 4+025		TO STA. 4+200		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

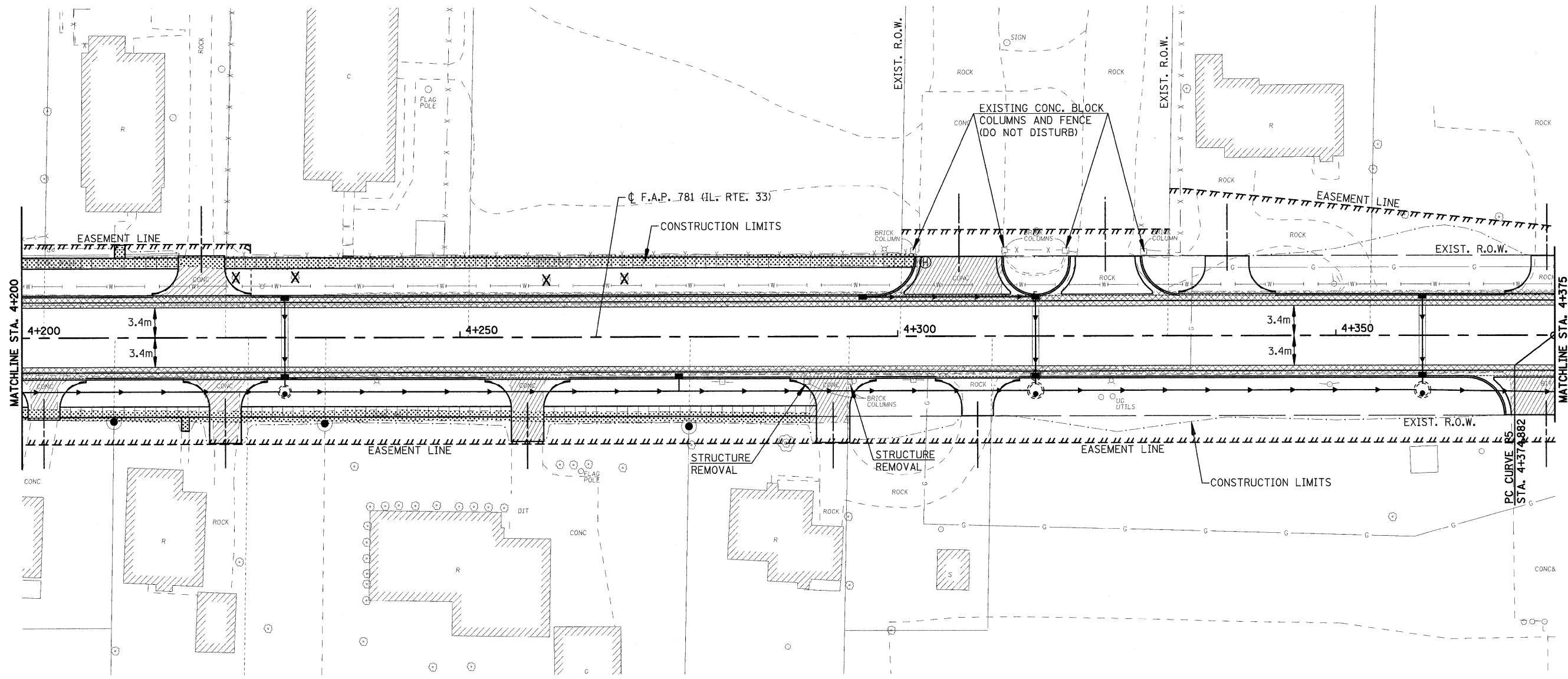
**REMOVAL ITEMS**

SCALE \_\_\_\_\_ DRAWN BY EDW  
 DATE FEBRUARY 6, 2009 CHECKED BY LWJ

PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract 74349\SHI\_051.REM250.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	52
STA. 4+200		TO STA. 4+375		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

- DRIVEWAY PAVEMENT REMOVAL  
(INCLUDES ALL MATERIAL ENCOUNTERED)
- PAVEMENT REMOVAL  
(INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL  
(INCLUDES STEPS)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

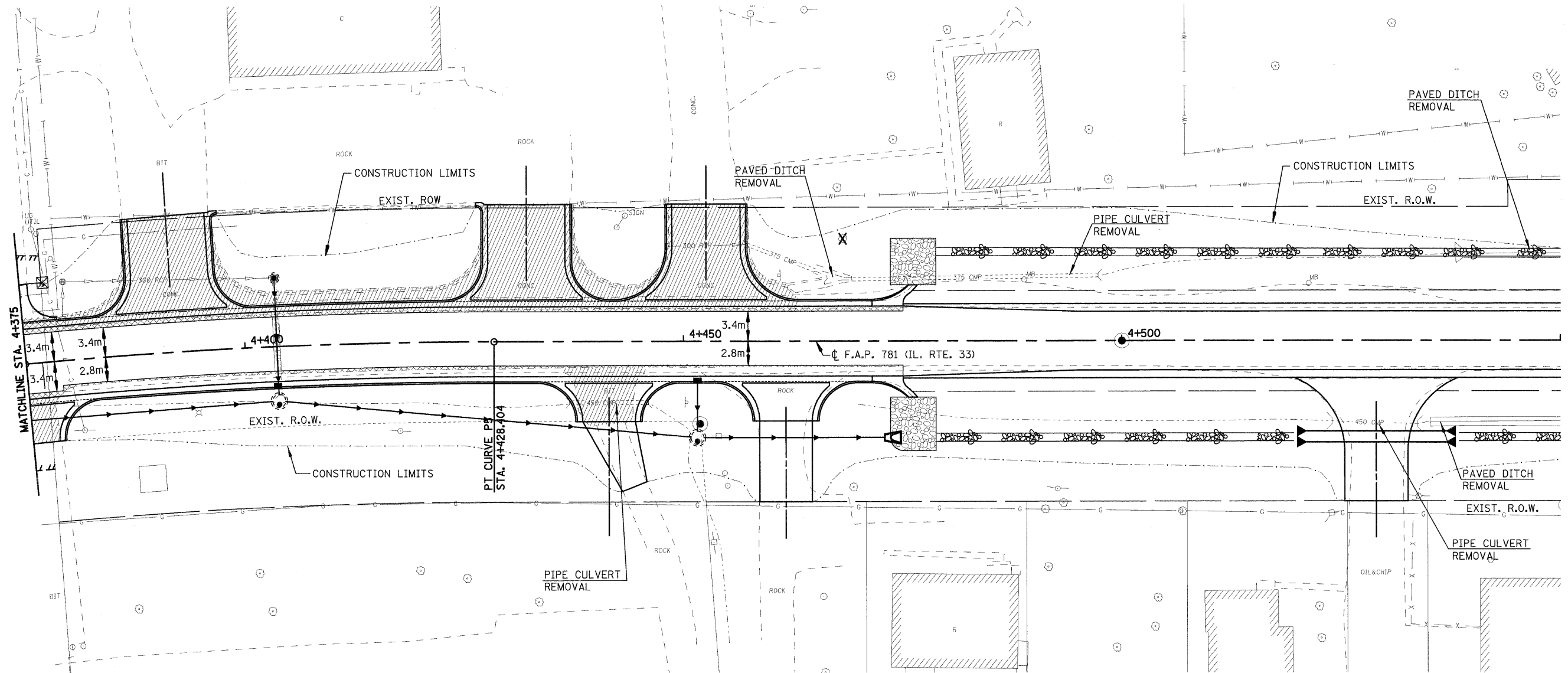
**REMOVAL ITEMS**

SCALE  
DATE FEBRUARY 6, 2009  
DRAWN BY EDW  
CHECKED BY LWJ




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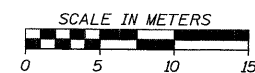
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	53
STA. 4+375		TO STA. 4+550		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**LEGEND**

-  DRIVEWAY PAVEMENT REMOVAL  
(INCLUDES ALL MATERIAL ENCOUNTERED)
-  PAVEMENT REMOVAL  
(INCLUDES ALL MATERIAL ENCOUNTERED)
-  SIDEWALK REMOVAL  
(INCLUDES STEPS)

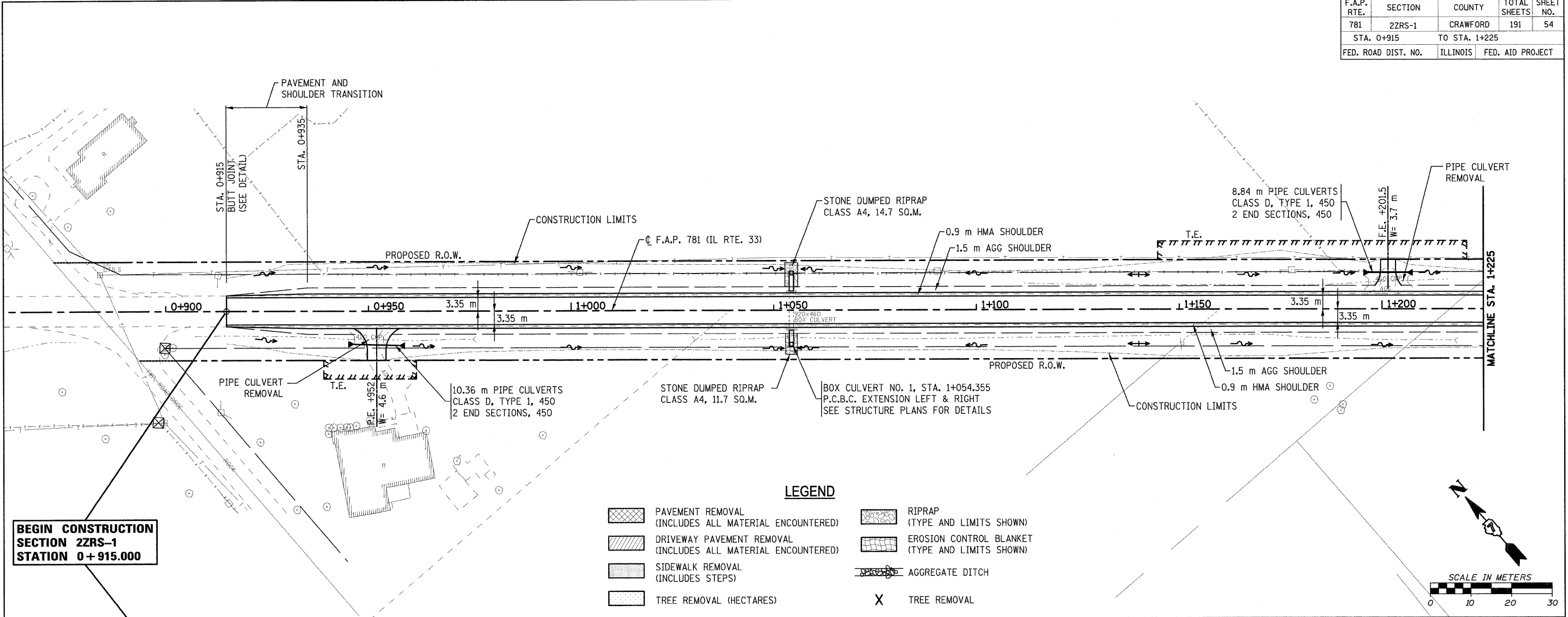


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>REMOVAL ITEMS</b>  SCALE DATE FEBRUARY 6, 2009 DRAWN BY EDW CHECKED BY LWJ

PLOT DATE = 2/5/2009  
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H. M. & G. NO. 4420

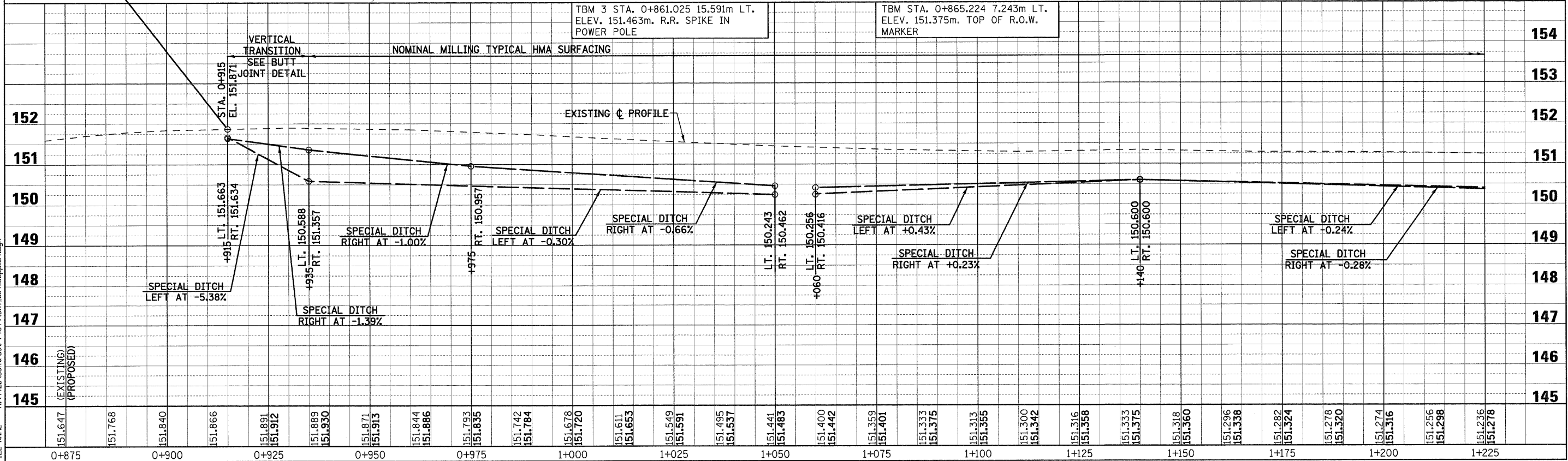
CONTRACT NO. 74349				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	54
STA. 0+915		TO STA. 1+225		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**BEGIN CONSTRUCTION SECTION 2ZRS-1 STATION 0+915.000**

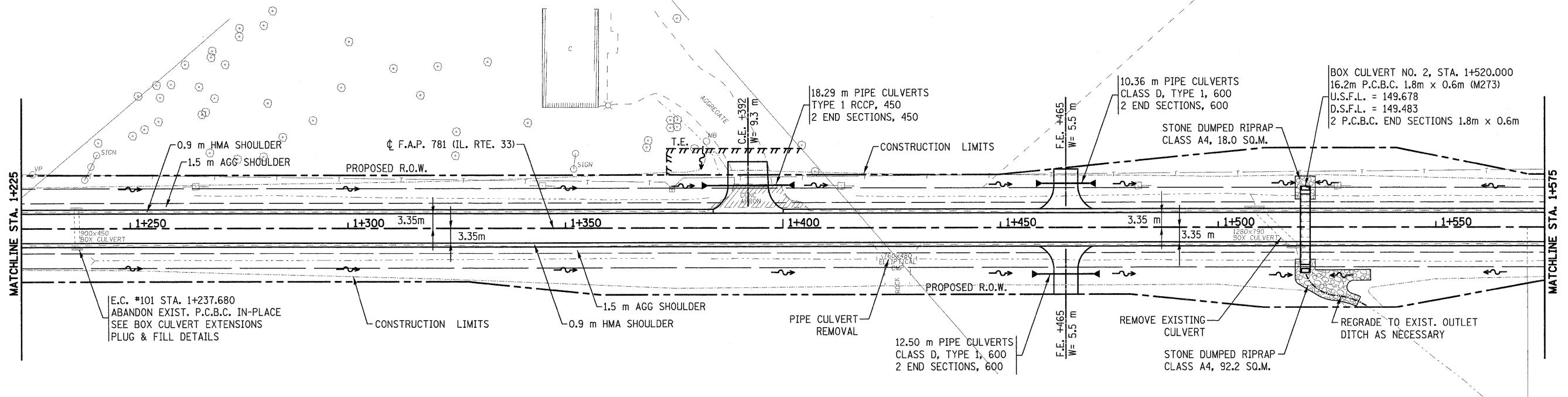
**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL



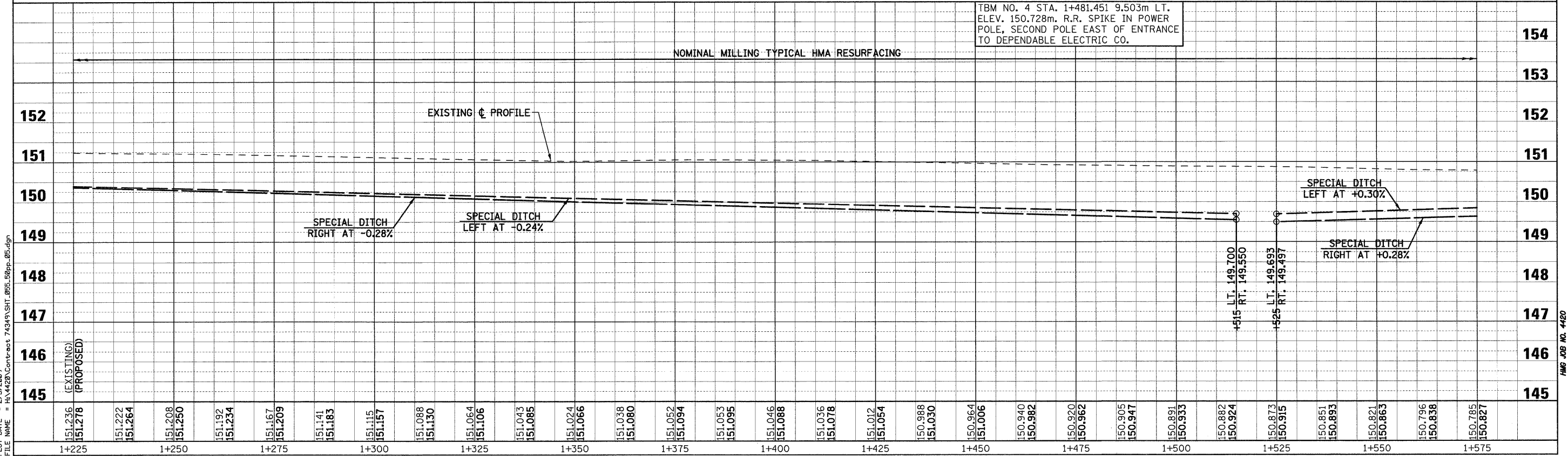
PLOT DATE = 2/5/2009  
FILE NAME = H:\V420\Contract 74349\SH1\_054\_50pp\_01.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	55
STA. 1+225		TO STA. 1+575		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

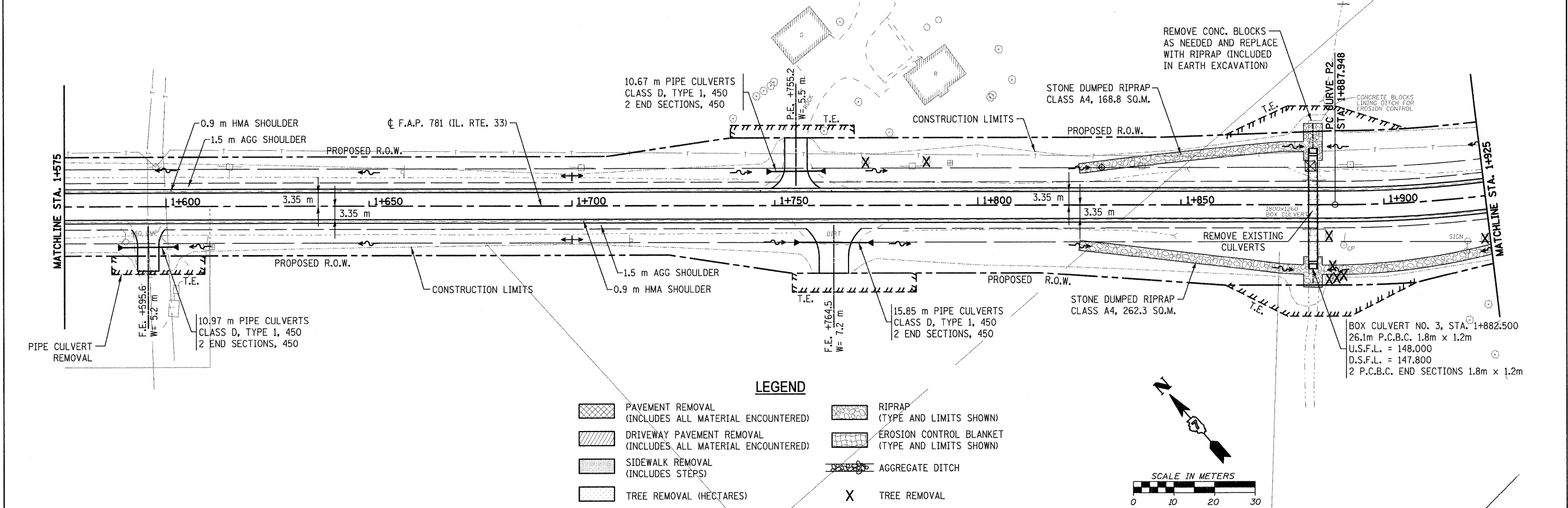
- PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)
- TREE REMOVAL (HECTARES)
- RIPRAP (TYPE AND LIMITS SHOWN)
- EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
- AGGREGATE DITCH
- TREE REMOVAL



PLOT DATE = 2/5/2009  
 FILE NAME = H:\4428\Contract 74349\SH1\_095\_50ppa\_05.dgn

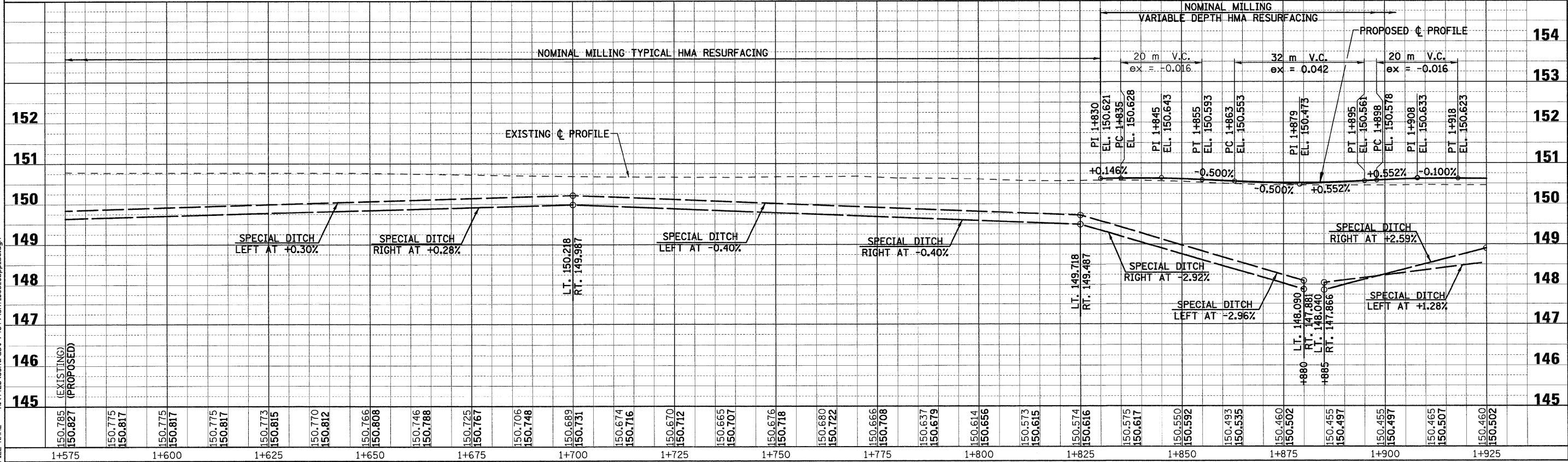
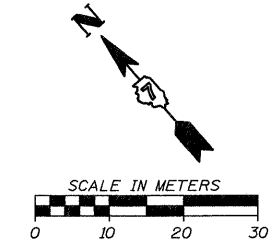


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	56
STA. 1+575		TO STA. 1+925		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



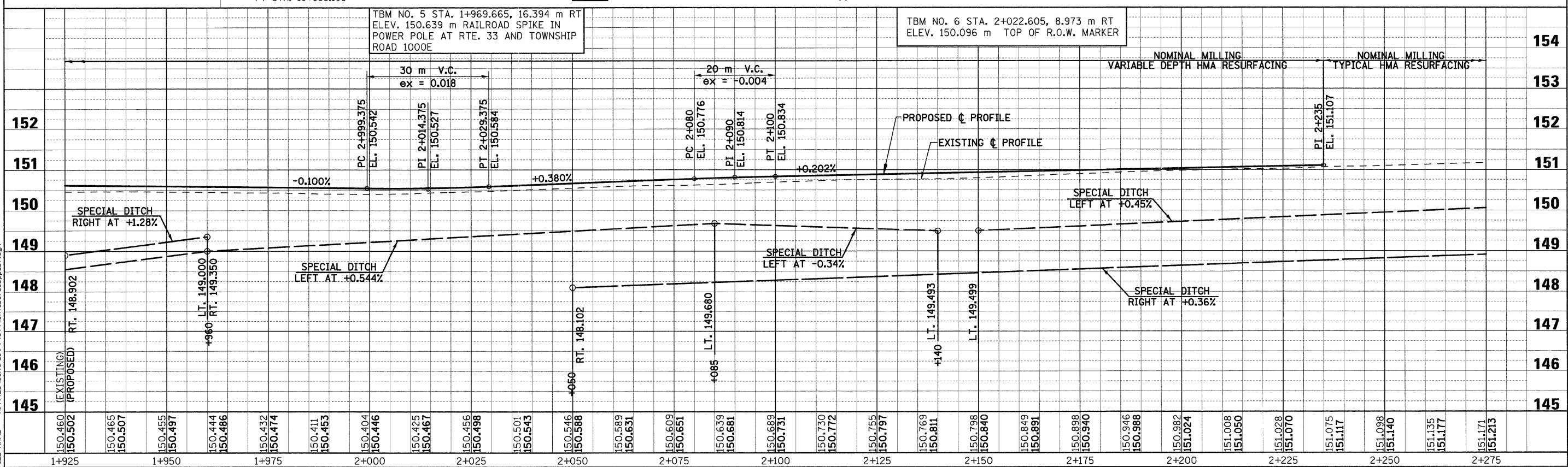
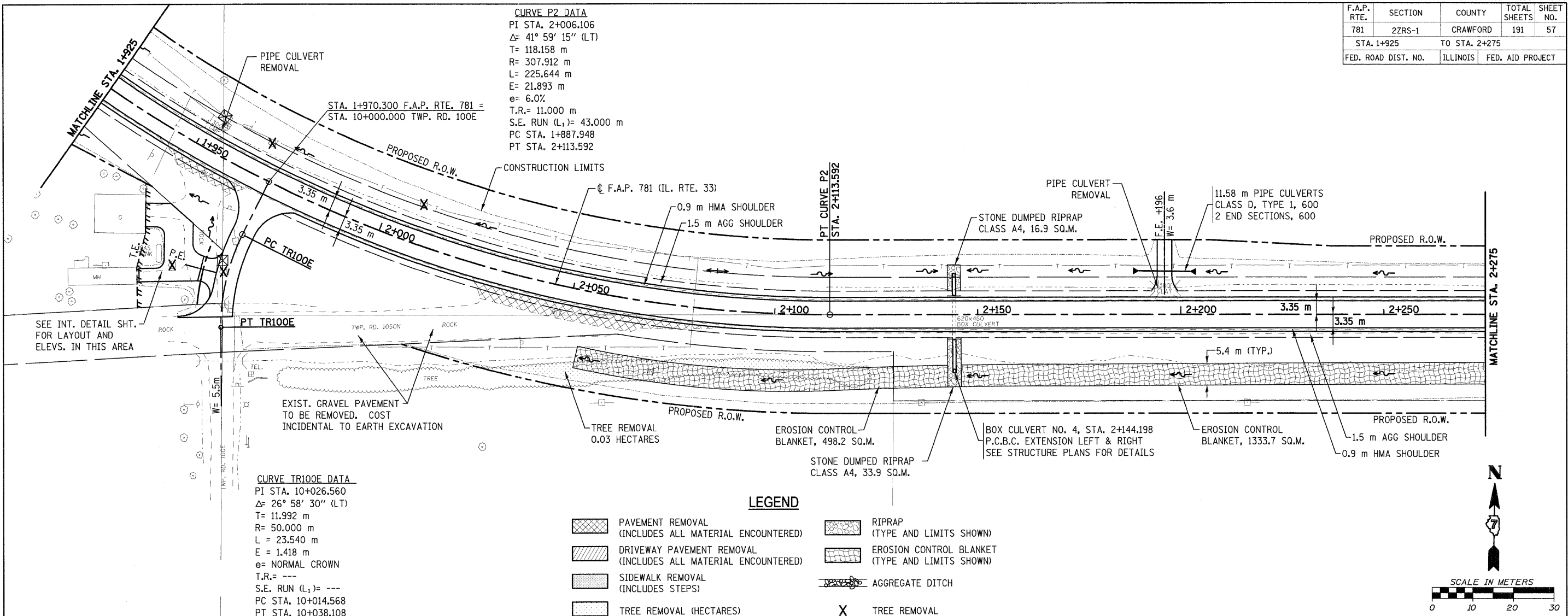
**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL

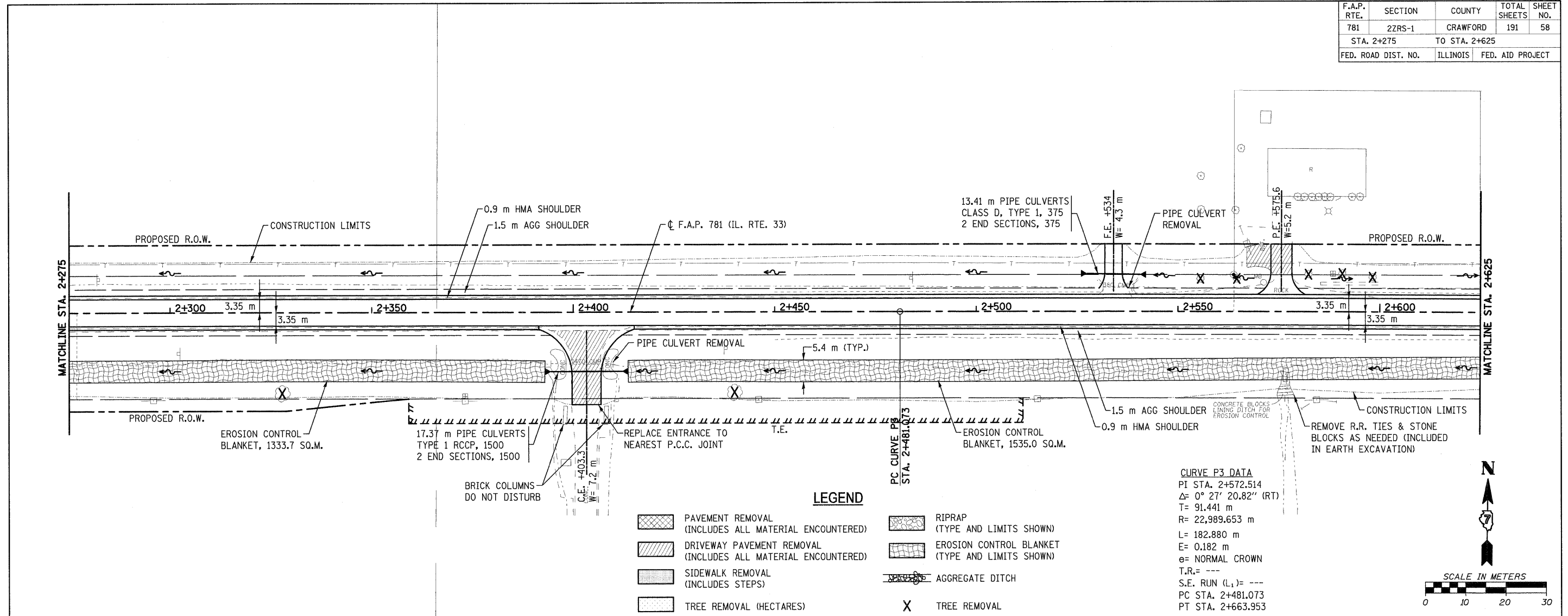




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	57
STA. 1+925		TO STA. 2+275		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

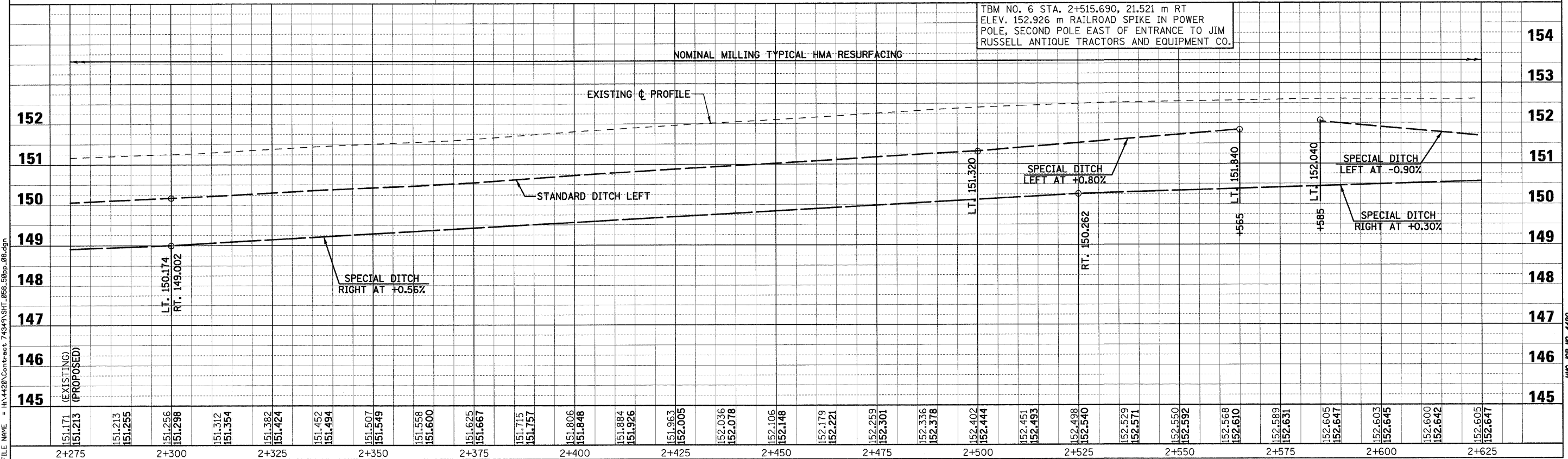
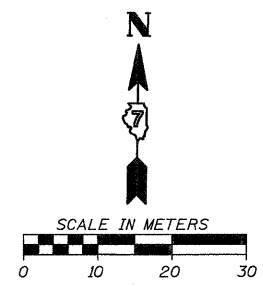


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	58
STA. 2+275		TO STA. 2+625		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL

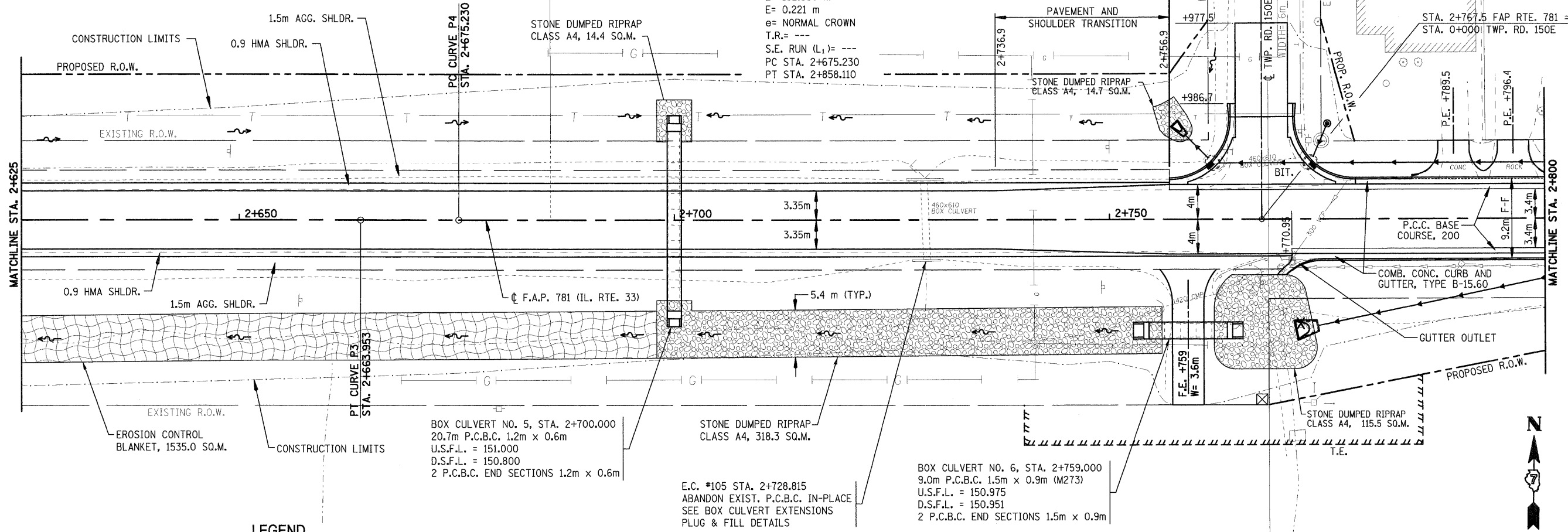


TBM NO. 6 STA. 2+515.690, 21.521 m RT  
 ELEV. 152.926 m RAILROAD SPIKE IN POWER  
 POLE, SECOND POLE EAST OF ENTRANCE TO JIM  
 RUSSELL ANTIQUE TRACTORS AND EQUIPMENT CO.

PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract 74349\SH1\_086\_50pp\_08.dgn

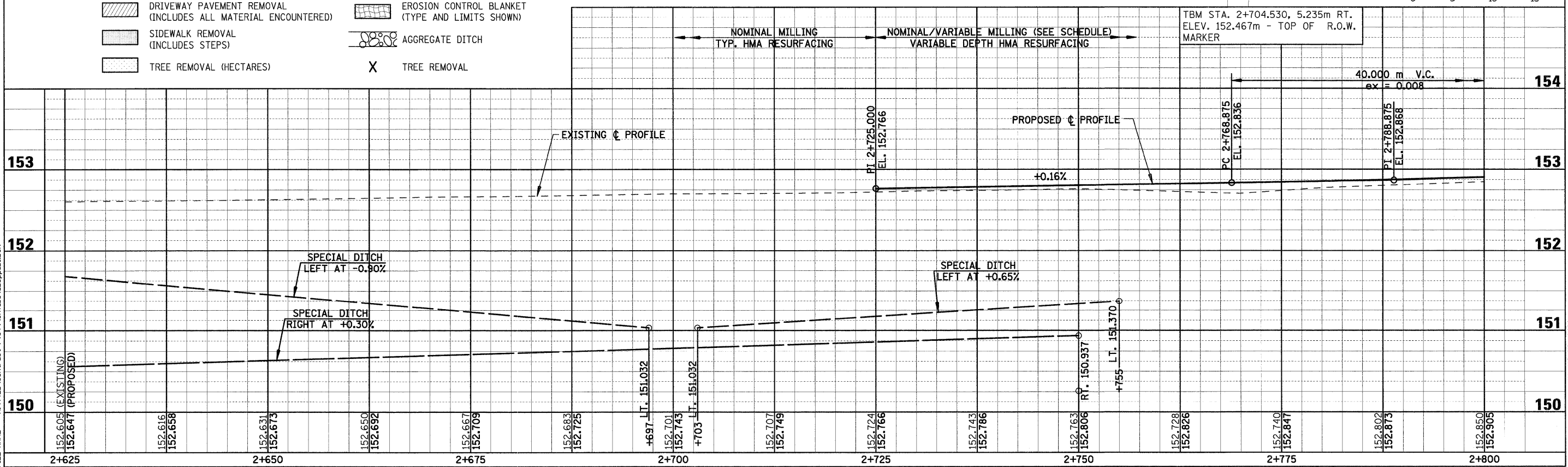
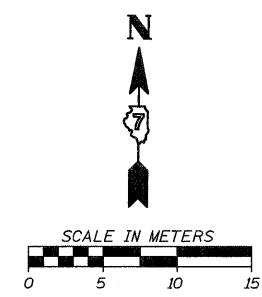
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	ZZRS-1	CRAWFORD	191	59
STA. 2+625		TO STA. 2+800		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**CURVE P4 DATA**  
 PI STA. 2+766.671  
 $\Delta = 0^\circ 33' 12.13''$  (LT)  
 T= 91.441 m  
 R= 18,935.409 m  
 L= 182.880 m  
 E= 0.221 m  
 e= NORMAL CROWN  
 T.R.= ---  
 S.E. RUN (L<sub>1</sub>)= ---  
 PC STA. 2+675.230  
 PT STA. 2+858.110



**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)	X	TREE REMOVAL

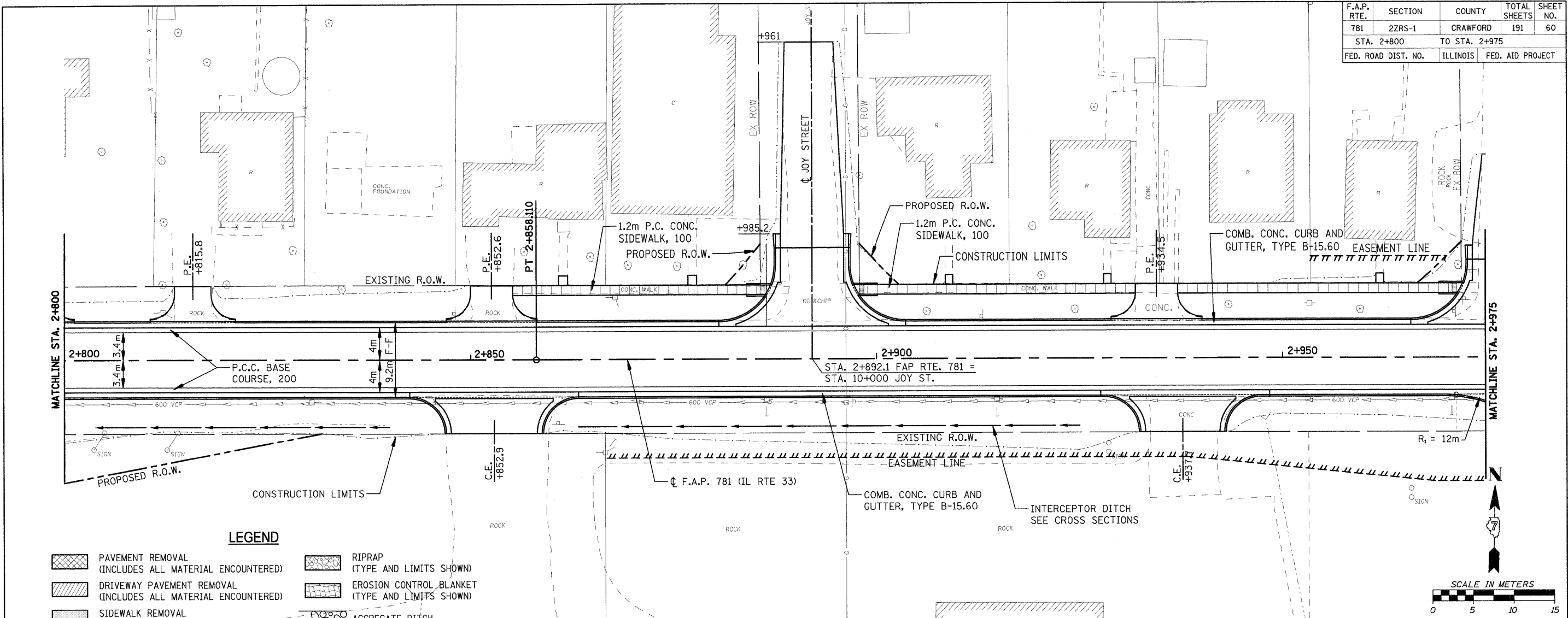


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 FILE NAME = H:\4428\Contract 74349\SHIT\_085\_25ppp\_01.DGN

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 Chain: P\_IL33

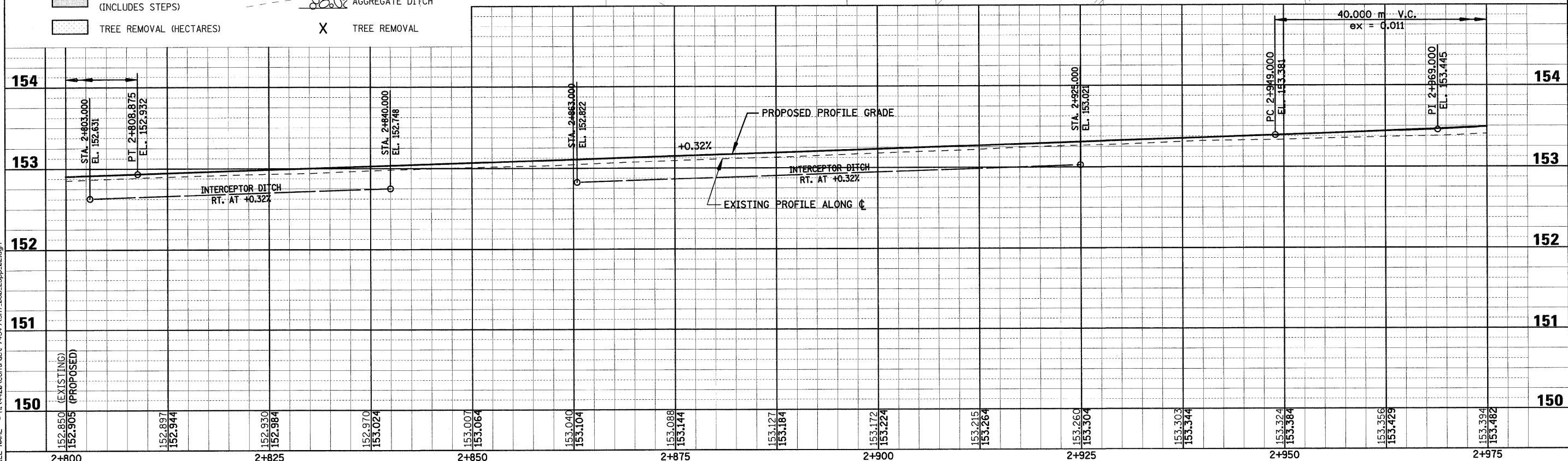
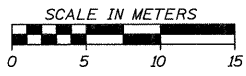
HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	60
STA. 2+800		TO STA. 2+975		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL



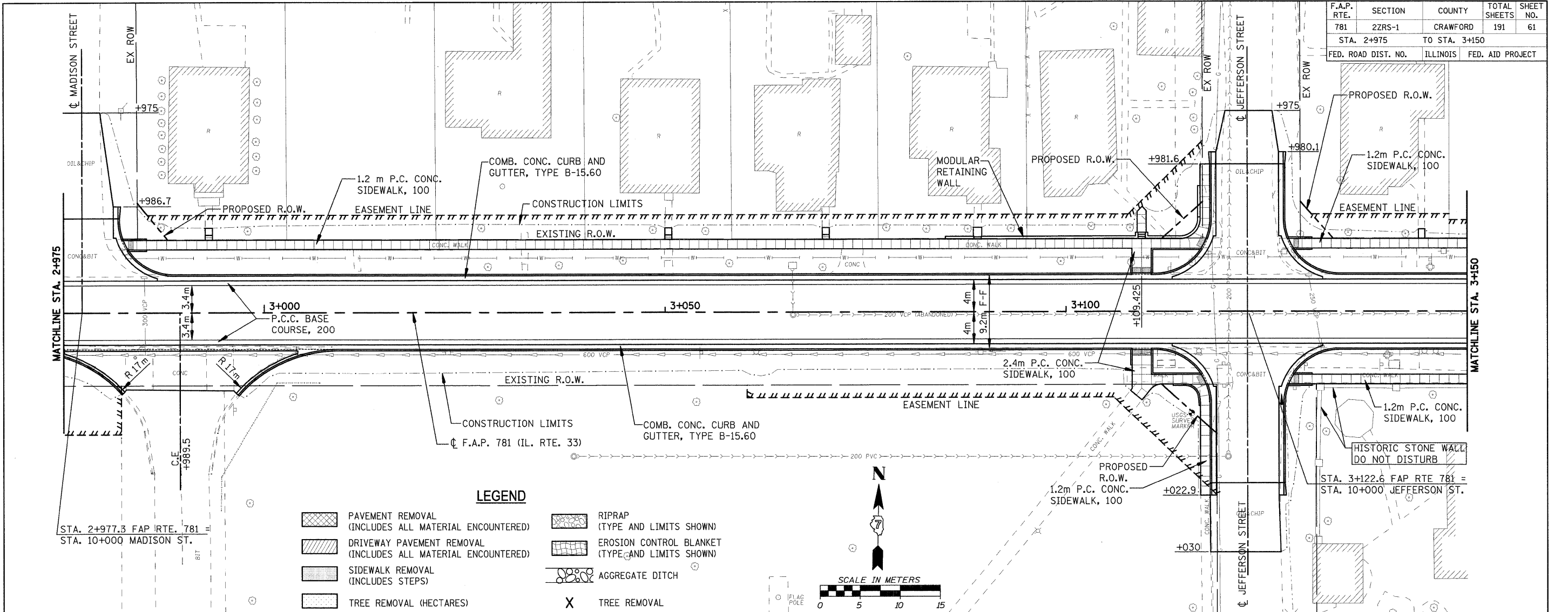
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 Chain: P\_IL33

HMG JOB NO. 4420

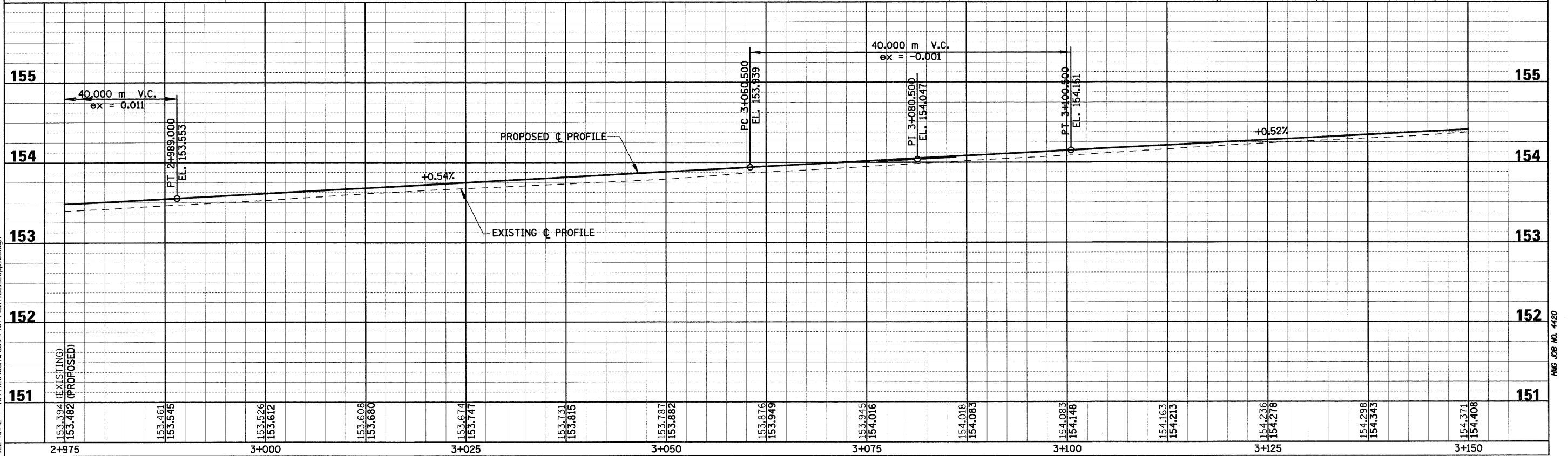
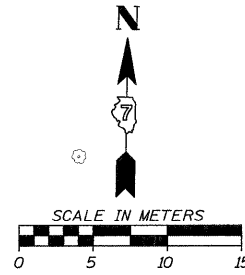


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	61
STA. 2+975		TO STA. 3+150		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL

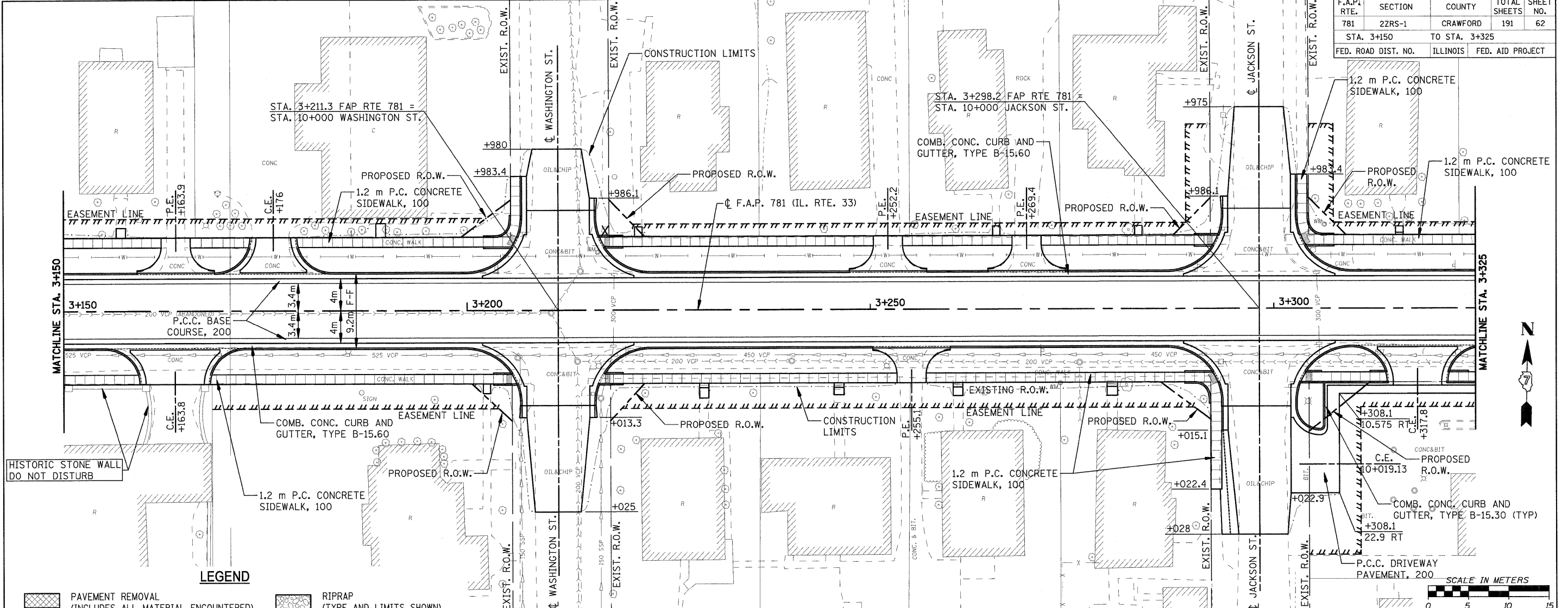


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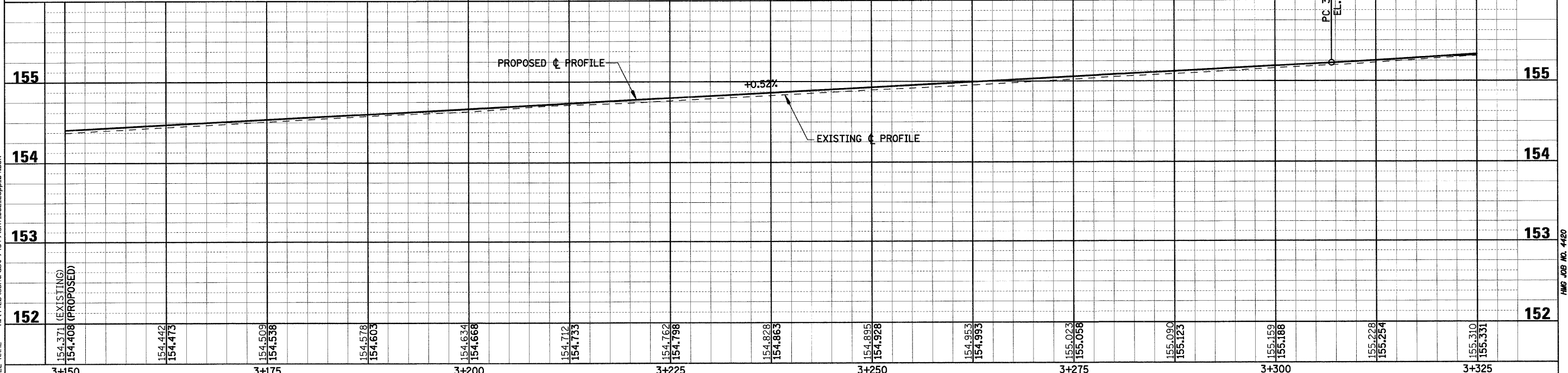
Sheet 3  
Angle: 0.9788  
Chain: P\_IL33

HMG JOB NO. 4420

F.A.P.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	62
STA. 3+150		TO STA. 3+325		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



Symbol	Description
[Cross-hatched box]	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
[Diagonal lines box]	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
[Horizontal lines box]	SIDEWALK REMOVAL (INCLUDES STEPS)
[Dotted box]	TREE REMOVAL (HECTARES)
[Stippled box]	RIPRAP (TYPE AND LIMITS SHOWN)
[Grid pattern box]	EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
[Wavy lines box]	AGGREGATE DITCH
[X symbol]	TREE REMOVAL

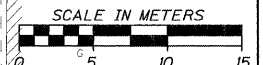
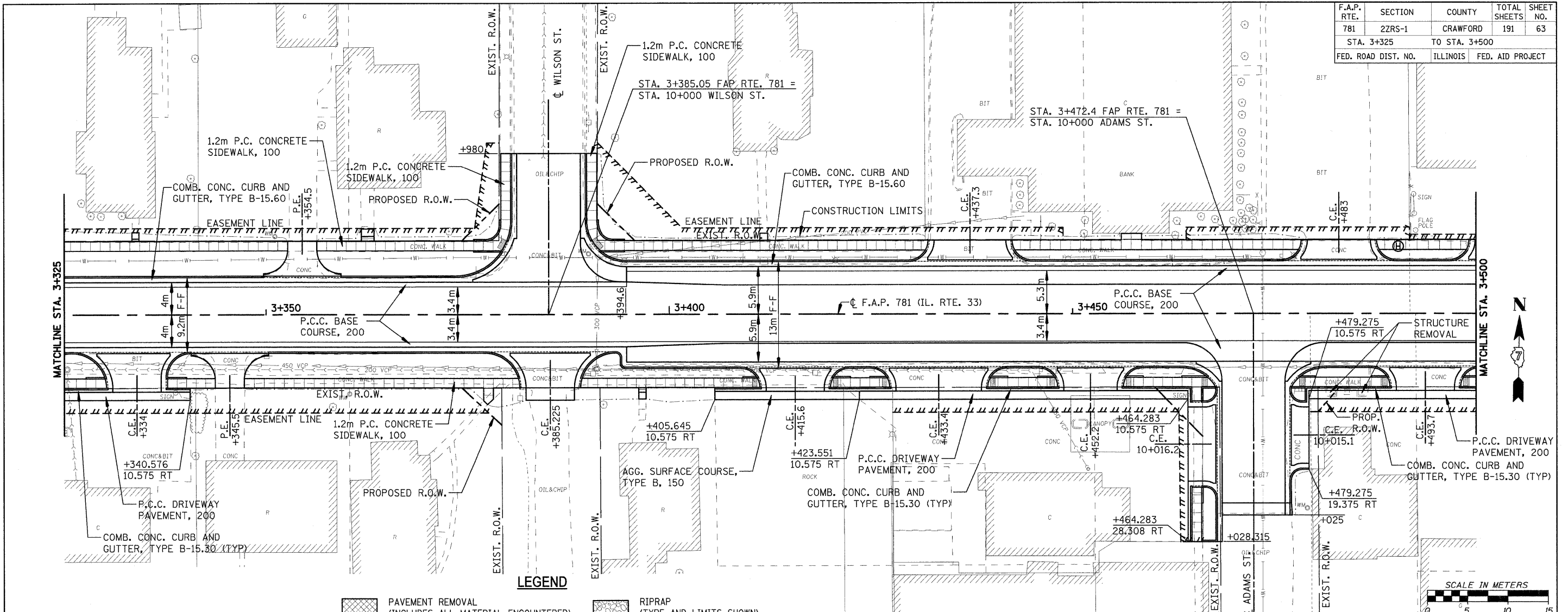


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 Chain: P\_IL33

PLOT DATE = 2/5/2009  
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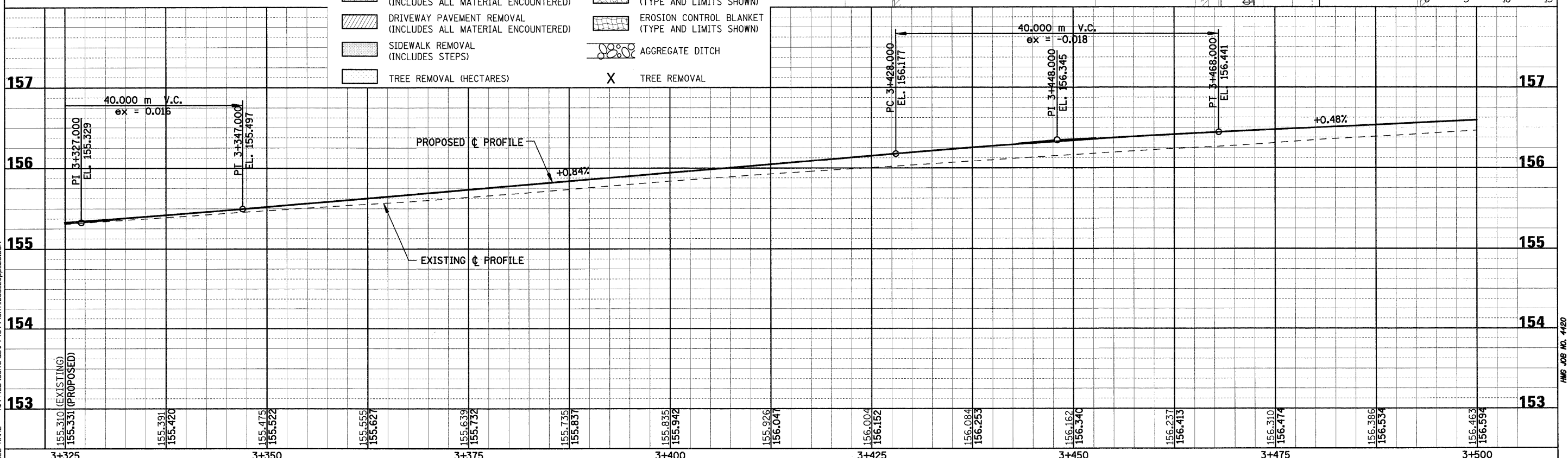
HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	63
STA. 3+325		TO STA. 3+500		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL



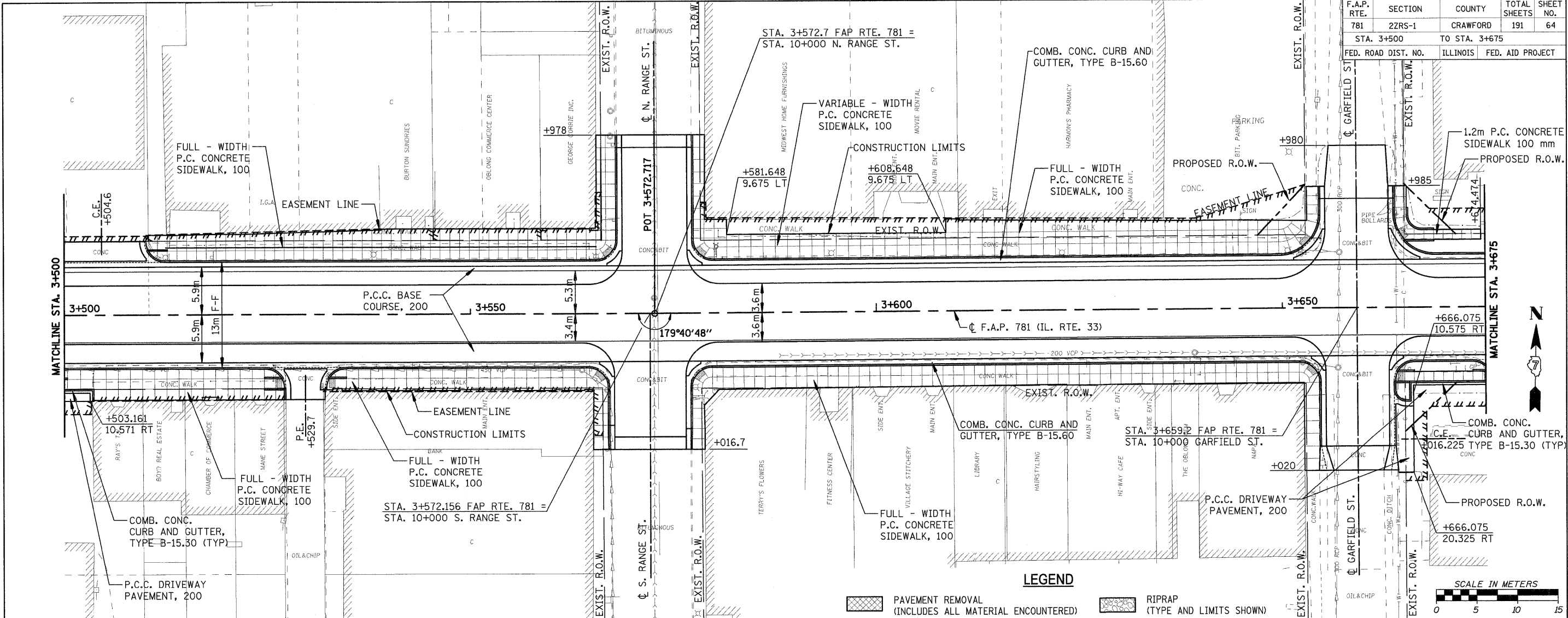
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PLOT DATE = 2/5/2009  
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HMG JOB NO. 4420

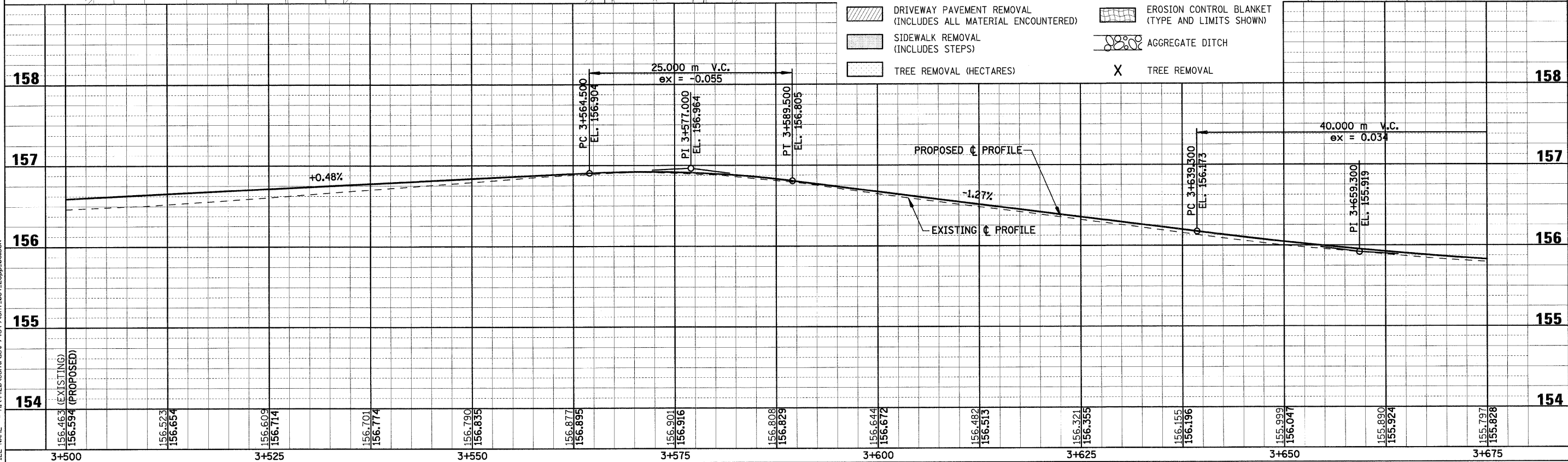


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	22RS-1	CRAWFORD	191	64
STA. 3+500 TO STA. 3+675				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL

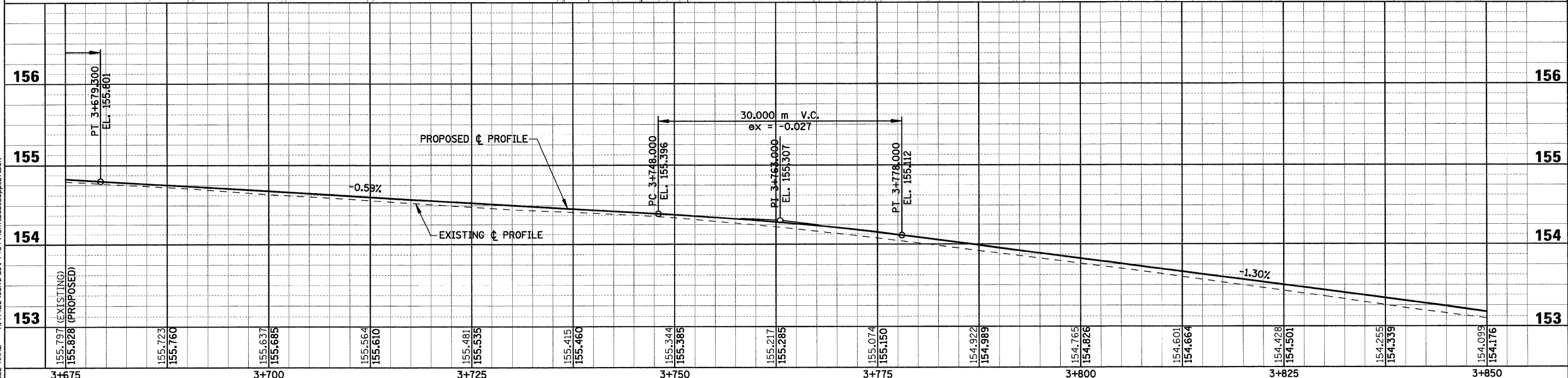
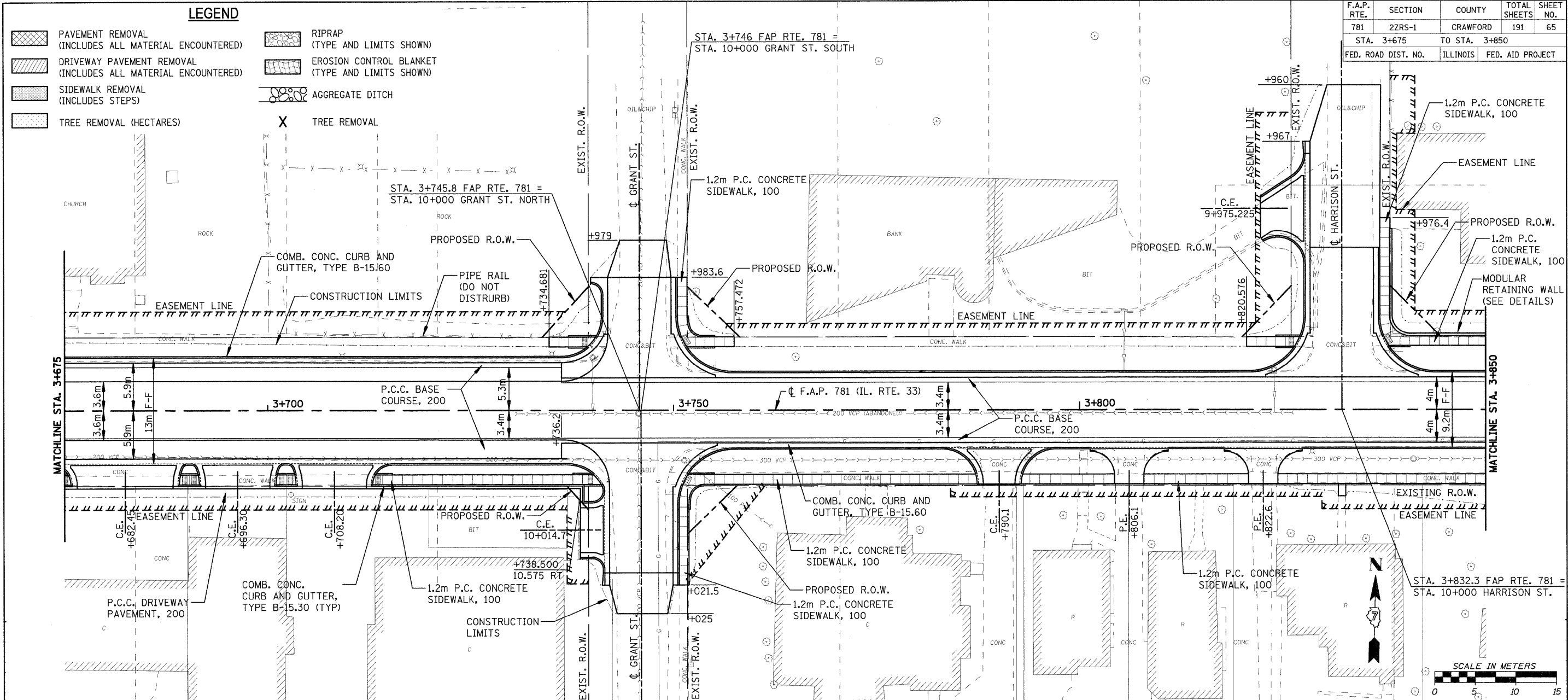


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PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract 74349\ASHT\_064\_25pp\_06.DGN

HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	65
STA. 3+675		TO STA. 3+850		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



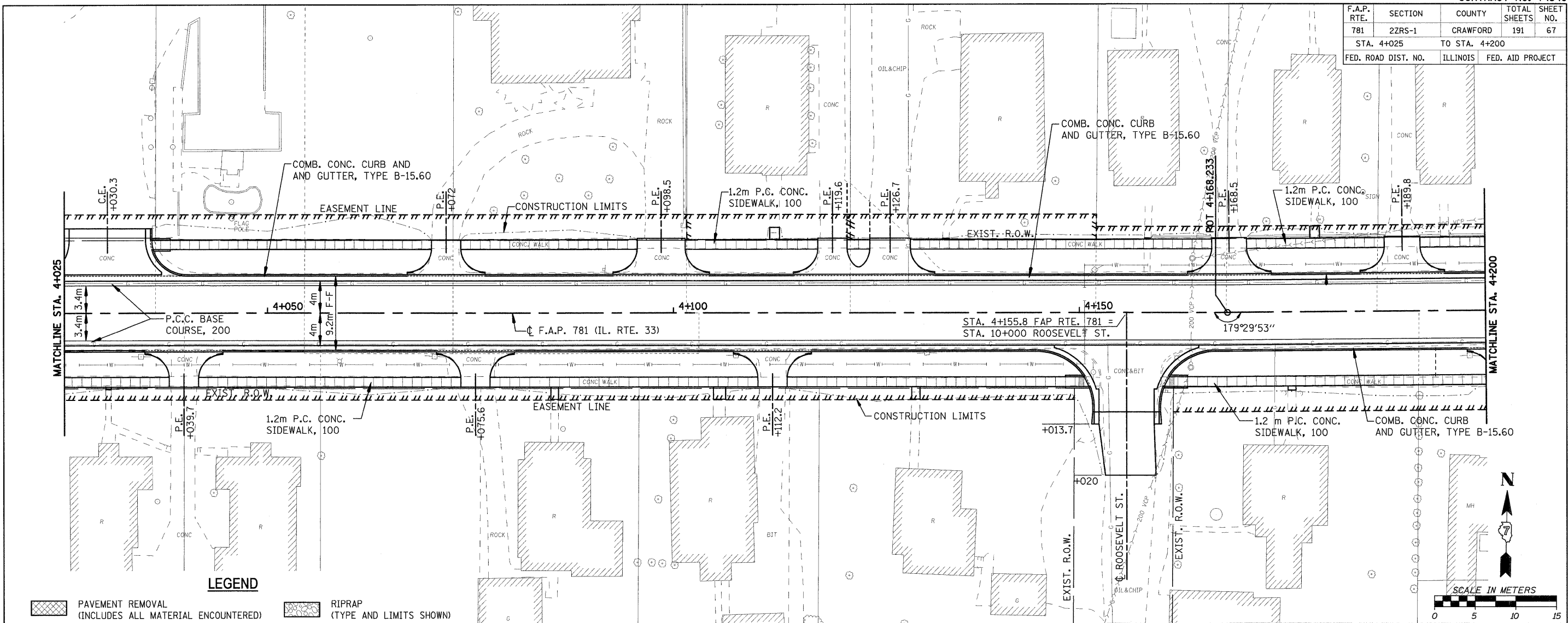
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PLOT DATE = 2/5/2009  
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HMG JOB NO. 4420

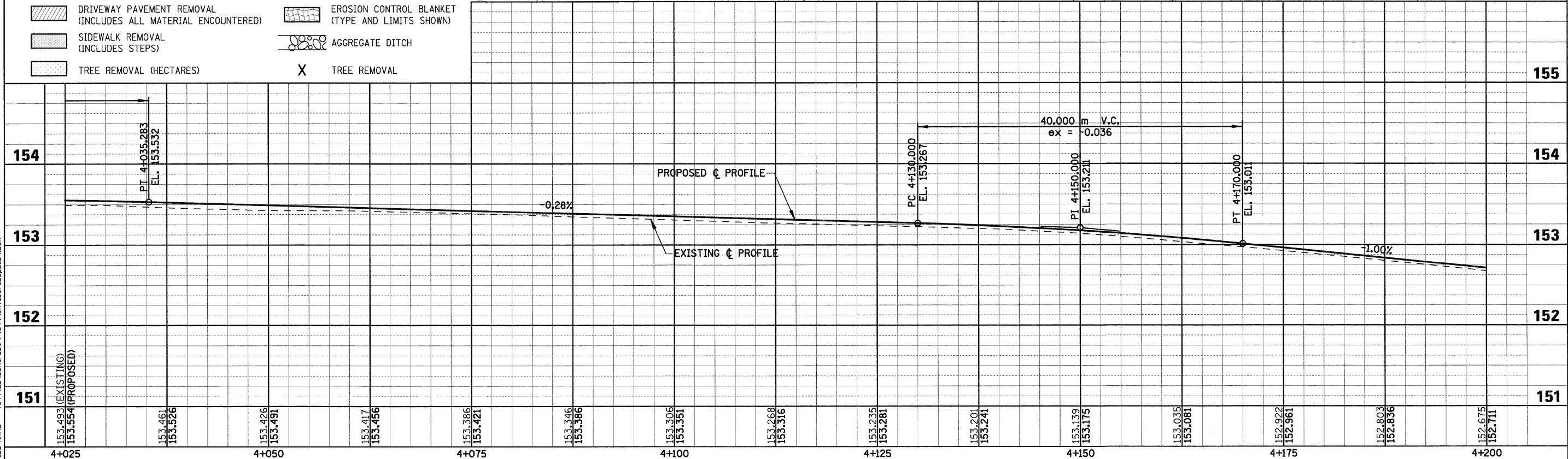


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	67
STA. 4+025		TO STA. 4+200		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**LEGEND**

- PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)
- TREE REMOVAL (HECTARES)
- RIPRAP (TYPE AND LIMITS SHOWN)
- EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
- AGGREGATE DITCH
- TREE REMOVAL



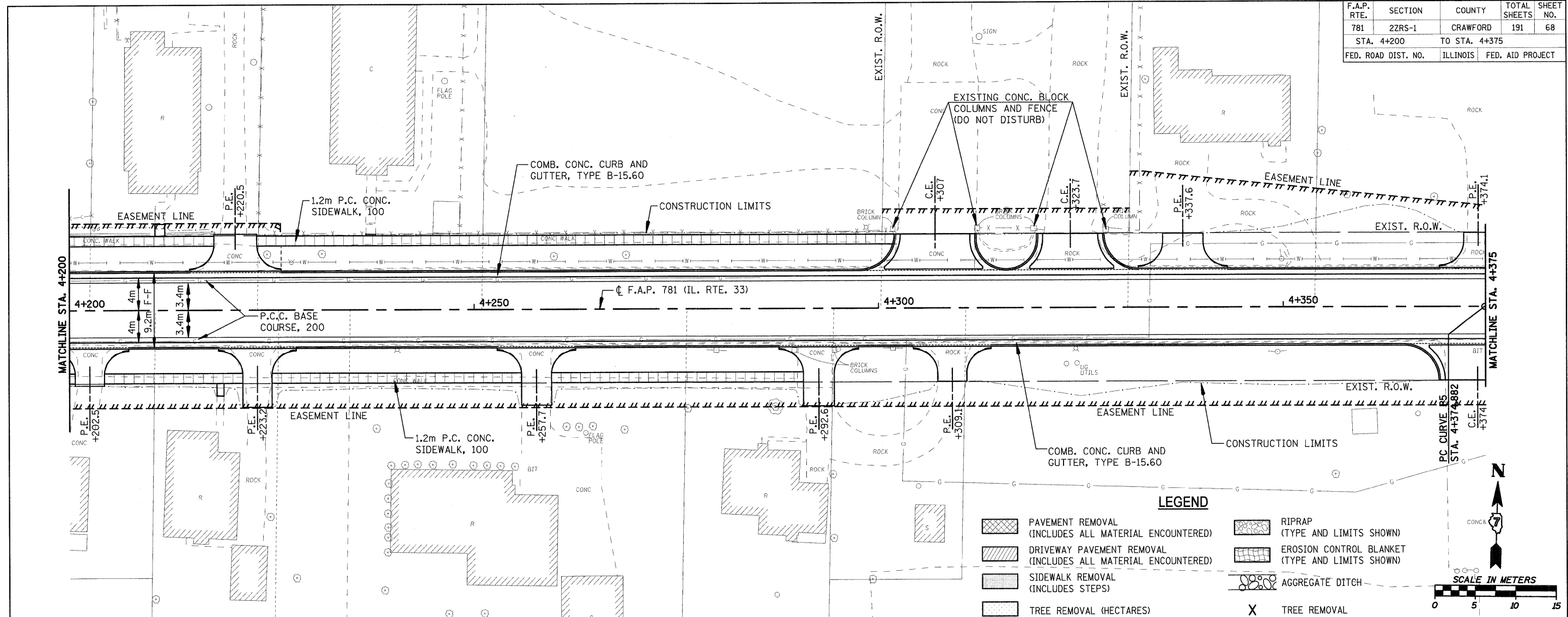
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HMG JOB NO. 4420

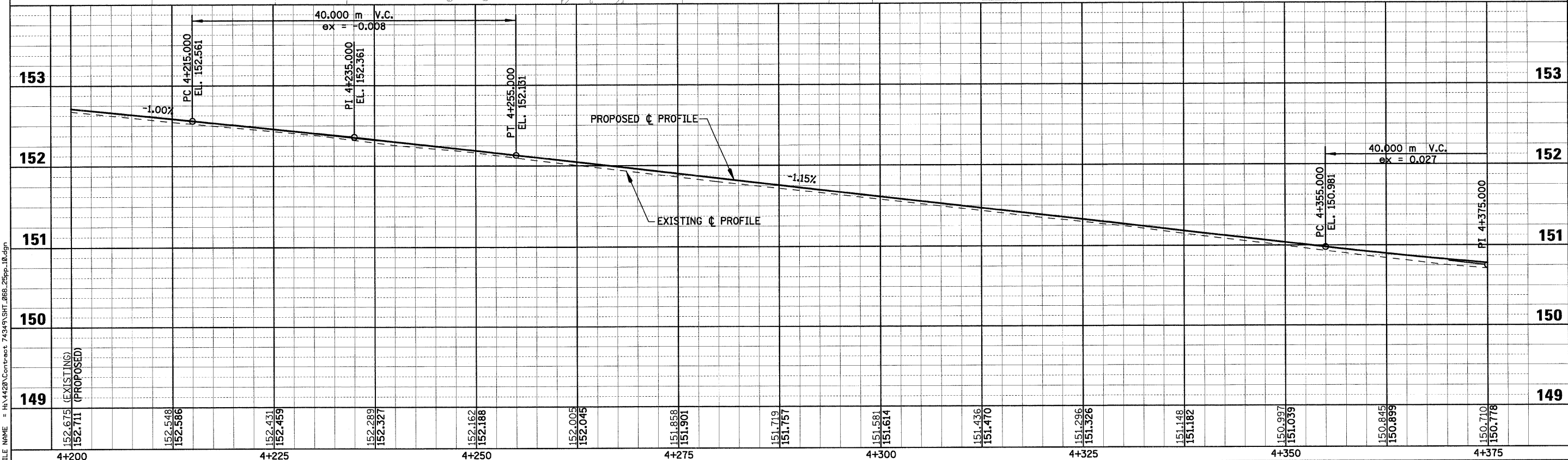


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	68
STA. 4+200 TO STA. 4+375				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL

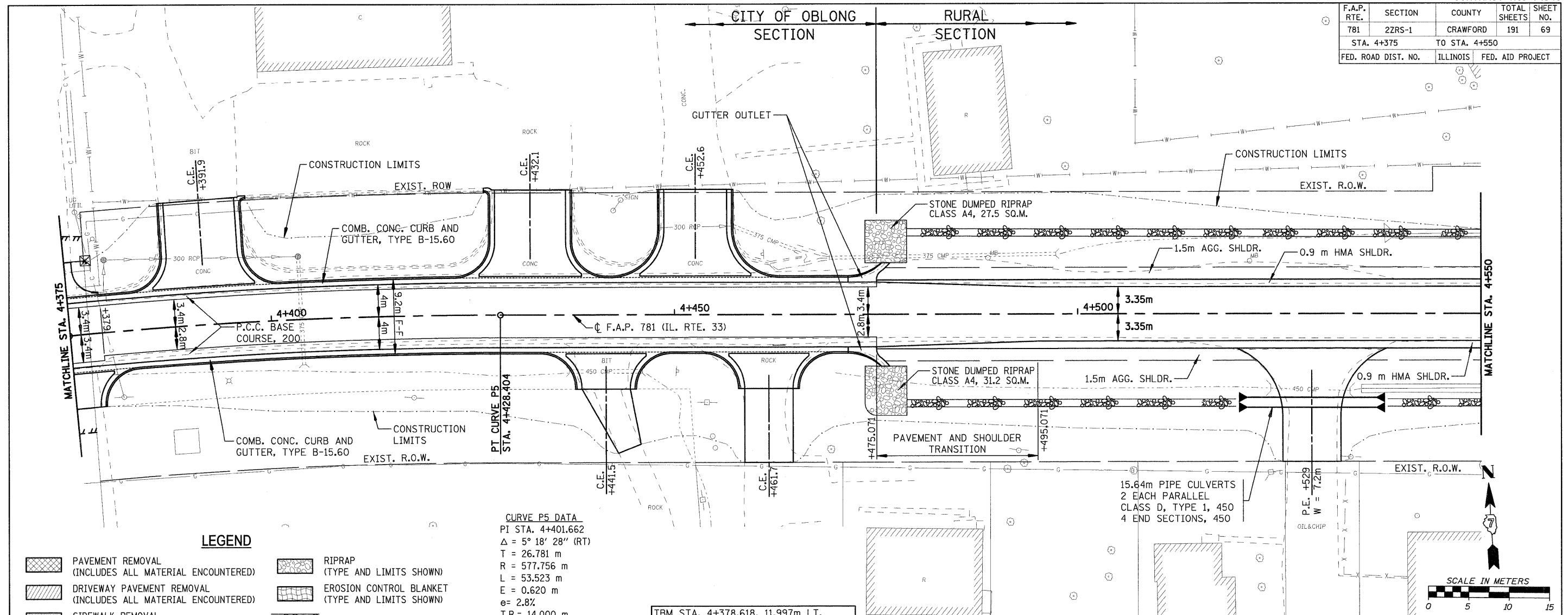


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FILE NAME = H:\V420\Contract 74349\SH1\_068\_25pp\_10.dgn

Sheet: 10  
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Chain: P\_IL33

HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	69
STA. 4+375		TO STA. 4+550		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



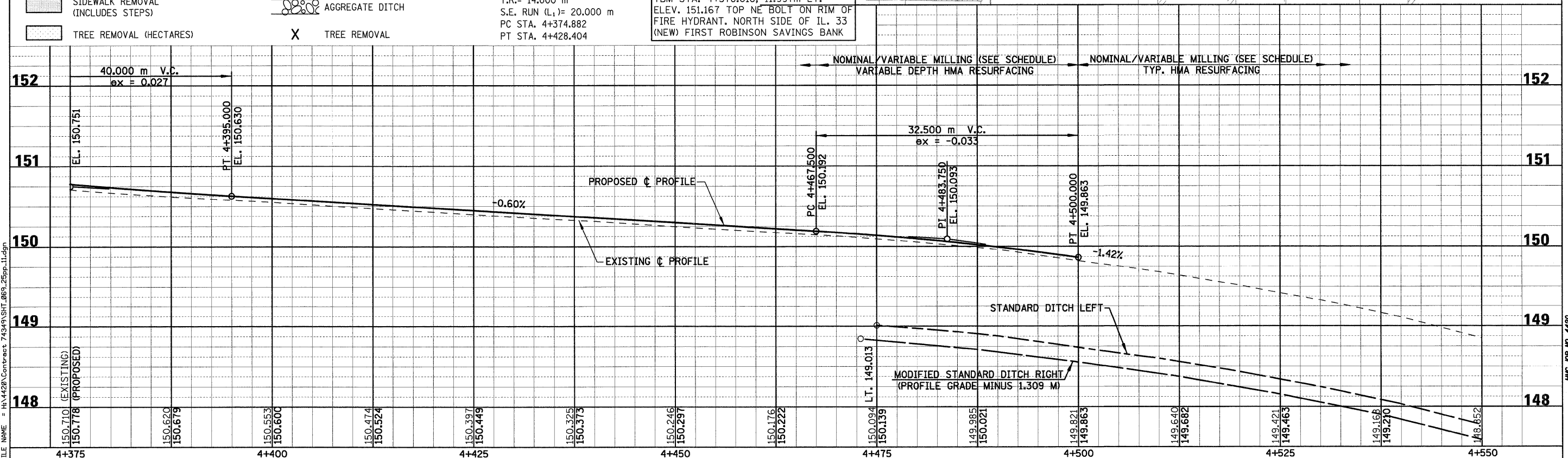
**LEGEND**

- PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)
- TREE REMOVAL (HECTARES)
- RIPRAP (TYPE AND LIMITS SHOWN)
- EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
- AGGREGATE DITCH
- TREE REMOVAL

**CURVE P5 DATA**

PI STA. 4+401.662  
 $\Delta = 5^\circ 18' 28''$  (RT)  
 T = 26.781 m  
 R = 577.756 m  
 L = 53.523 m  
 E = 0.620 m  
 $e = 2.8\%$   
 T.R. = 14.000 m  
 S.E. RUN ( $L_1$ ) = 20.000 m  
 PC STA. 4+374.882  
 PT STA. 4+428.404

TBM STA. 4+378.618, 11.997m LT.  
 ELEV. 151.167 TOP "BOLT" ON RIM OF FIRE HYDRANT, NORTH SIDE OF IL. 33 (NEW) FIRST ROBINSON SAVINGS BANK

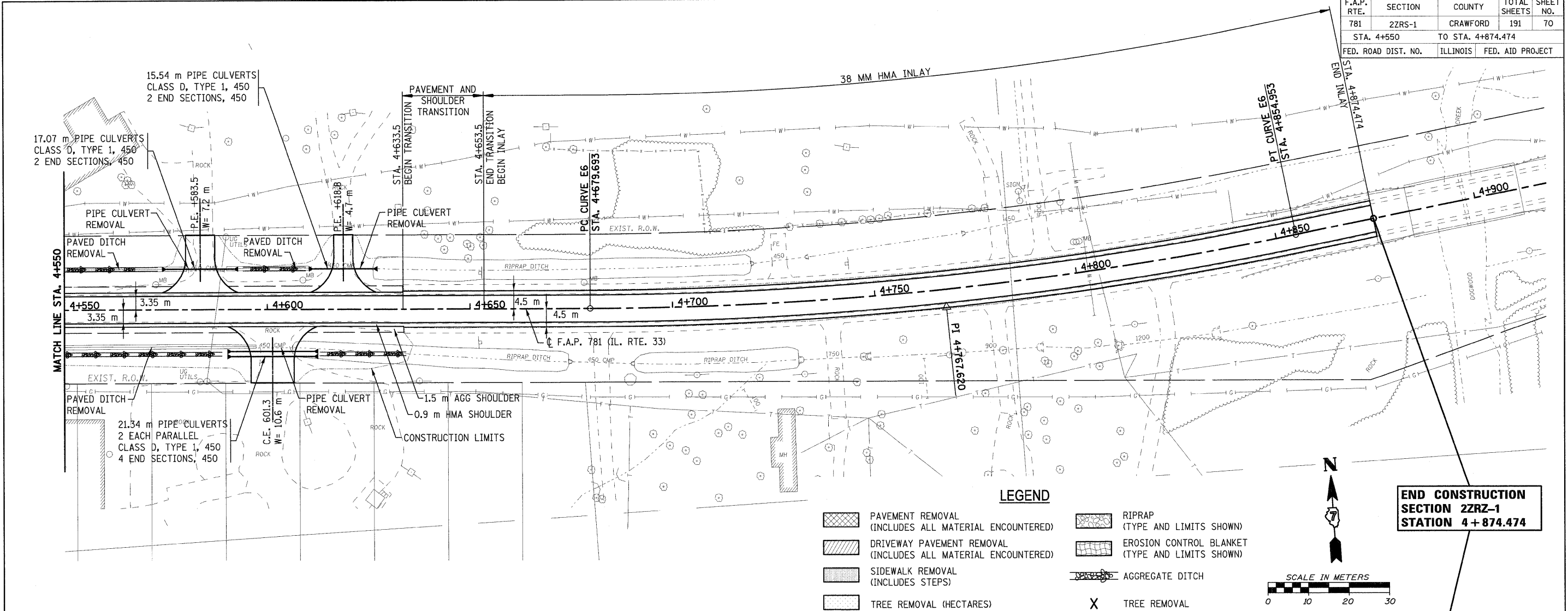


PLOT DATE = 2/5/2009  
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 Chain: P\_IL33

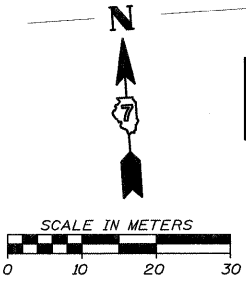
HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	70
STA. 4+550		TO STA. 4+874.474		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

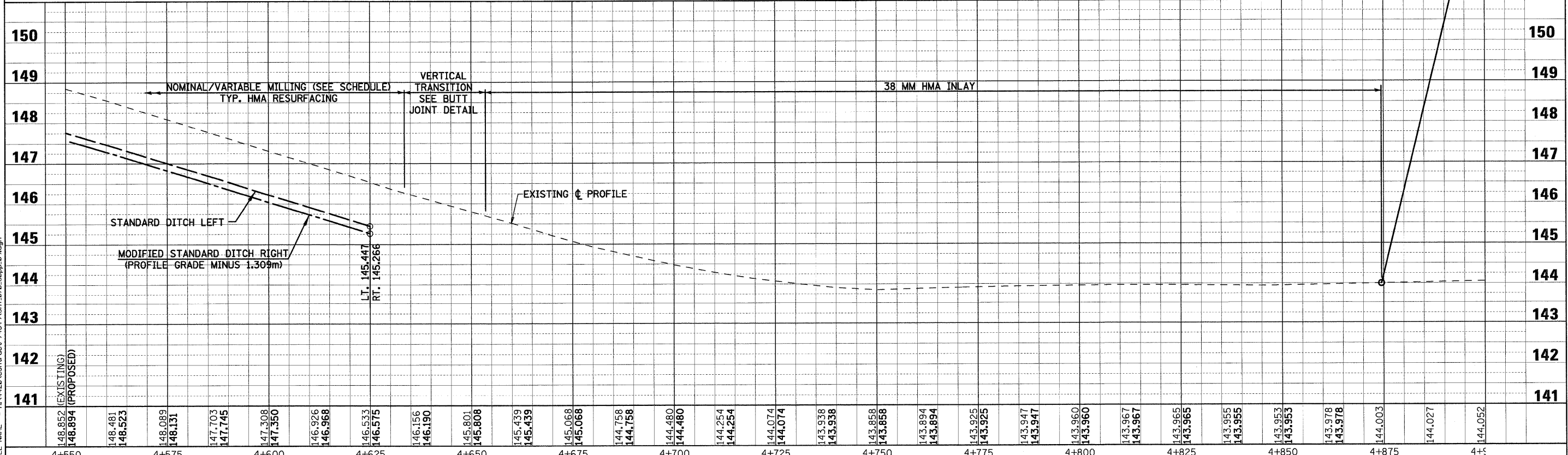


**LEGEND**

- PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)
- TREE REMOVAL (HECTARES)
- RIPRAP (TYPE AND LIMITS SHOWN)
- EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
- AGGREGATE DITCH
- TREE REMOVAL



**END CONSTRUCTION SECTION 2ZRS-1 STATION 4 + 874.474**



PLOT DATE = 2/5/2009  
FILE NAME = H:\V420\Contract 74349\SH1\_070\_50pp\_09.dgn

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Chain: P\_IL33

HMG JOB NO. 4420

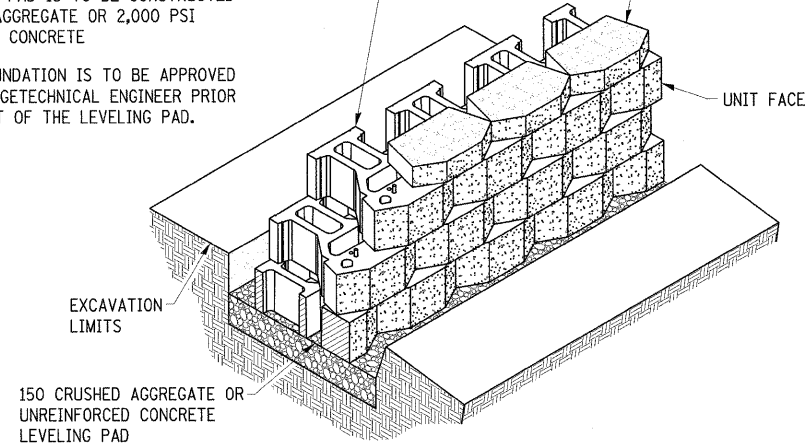


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**BASE LEVELING PAD NOTES**

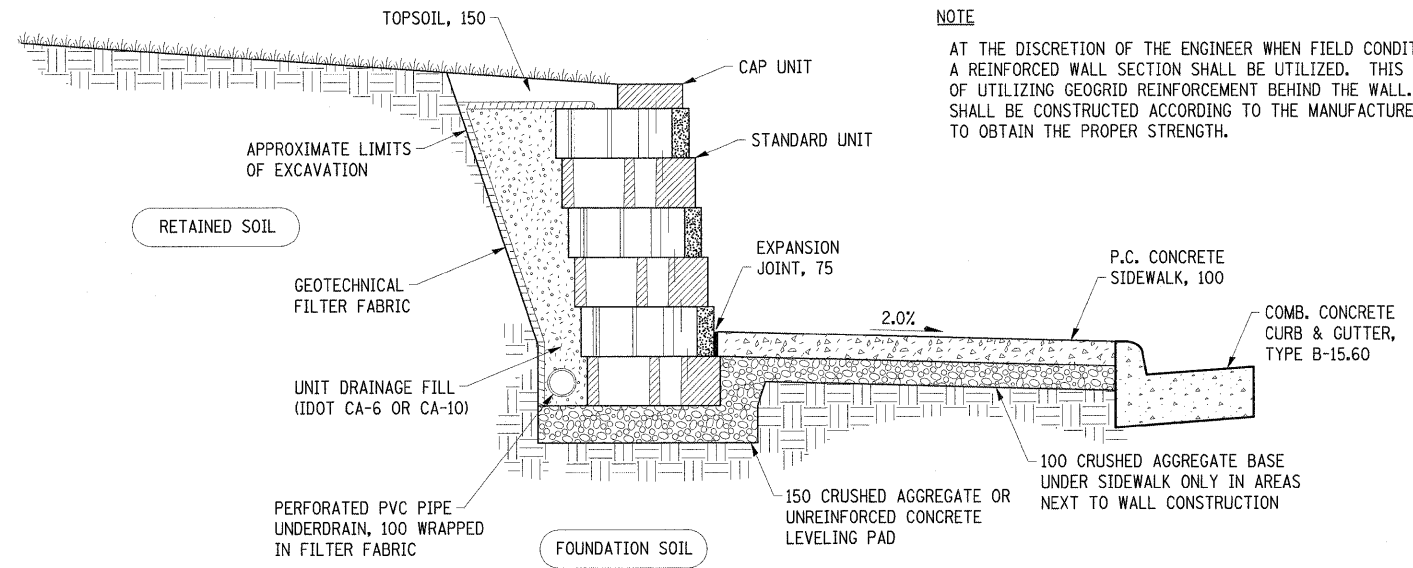
1. THE LEVELING PAD IS TO BE CONSTRUCTED OF CRUSHED AGGREGATE OR 2,000 PSI UNREINFORCED CONCRETE
2. THE BASE FOUNDATION IS TO BE APPROVED BY THE SITE GETECHNICAL ENGINEER PRIOR TO PLACEMENT OF THE LEVELING PAD.

STANDARD UNIT	CAP UNIT
WIDTH: 457mm (18")	WIDTH: 457mm (18")
DEPTH: 546mm (21.5")	DEPTH: 267mm (10.5")
HEIGHT: 204mm (8")	HEIGHT: 102mm (4")
WEIGHT: 52.3kg (115lbs)	WEIGHT: 20.5kg (45lbs)



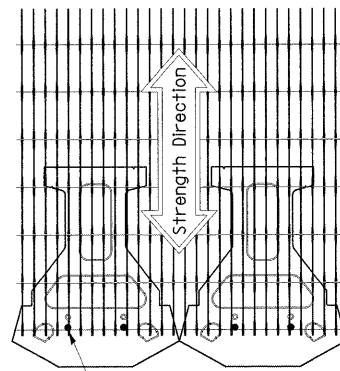
**STANDARD UNIT/BASE PAD ISOMETRIC SECTION VIEW**

Unit Dimensions & Weight May Vary by Region



**TYPICAL GRAVITY WALL SECTION**

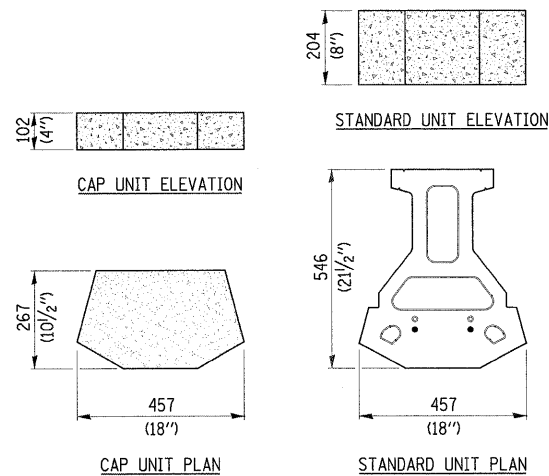
Standard Unit - 25mm (1") Setback



GEOGRID IS TO BE PLACED ON LEVEL BACKFILL AND EXTENDED OVER THE FIBERGLASS PINS. PLACE NEXT UNIT. PULL GRID TAUGHT AND BACKFILL. STAKE AS REQUIRED

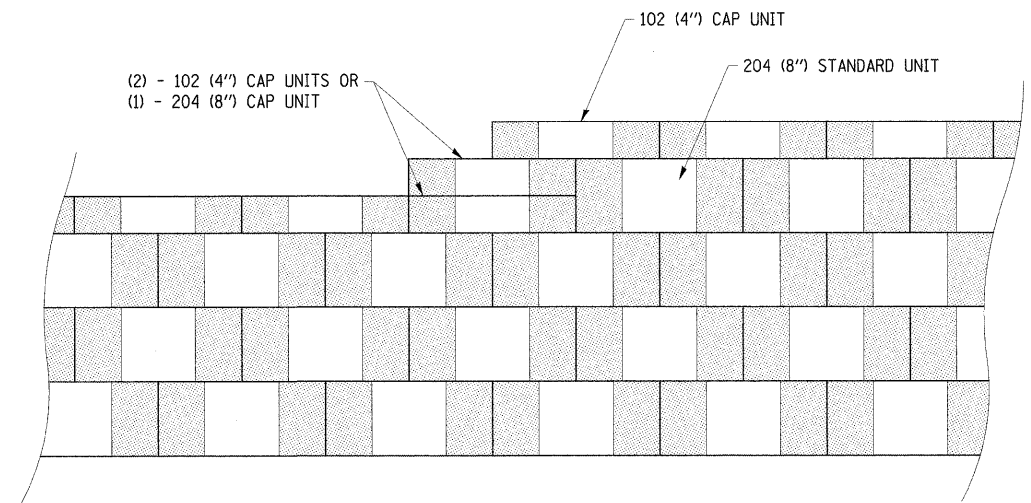
**GRID & PIN CONNECTION**

If Required Due to Soil Conditions



**STANDARD TRI-PLANE UNIT/CAP DETAILS**

Unit Dimensions & Weight May Vary by Region



**TOP OF WALL STEP DETAIL**

Unit Dimensions & Weight May Vary by Region

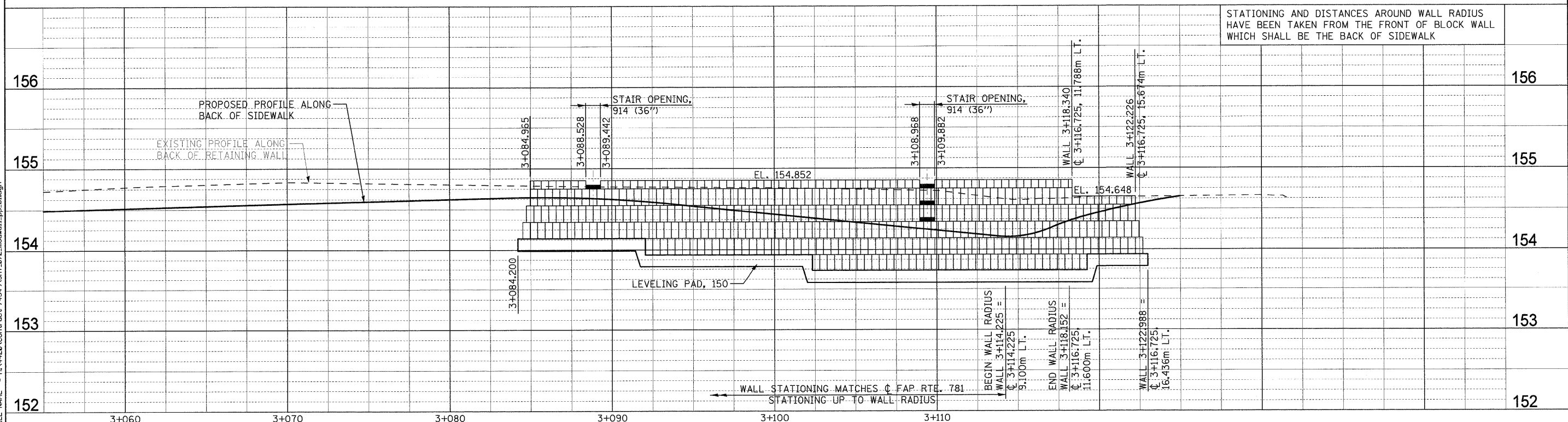
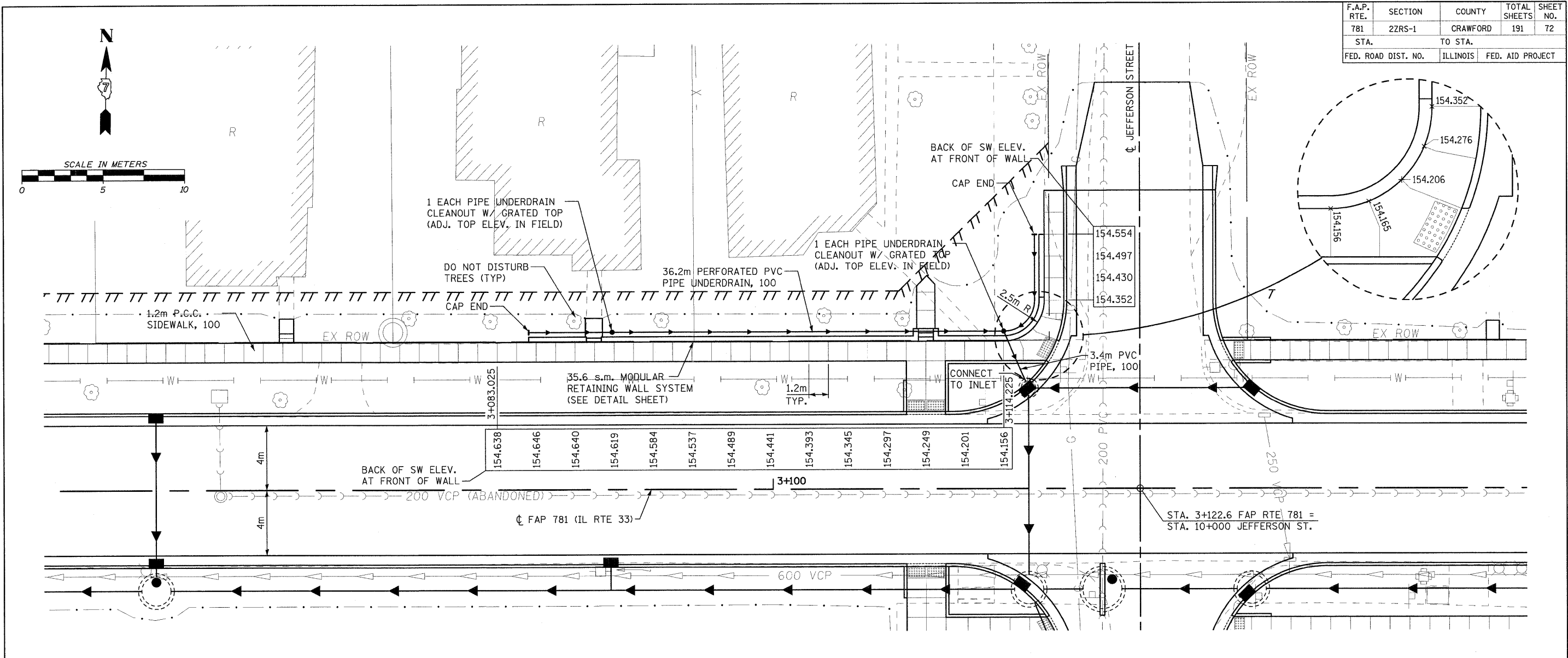
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>MODULAR RETAINING WALL DETAILS</b>  SCALE: NO SCALE DATE: FEBRUARY 6, 2009 DRAWN BY: EDW CHECKED BY: LWJ

PLOT DATE = 2/5/2009 FILE NAME = H:\4420\Contract 74349\SHI\_071\_model\detail.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

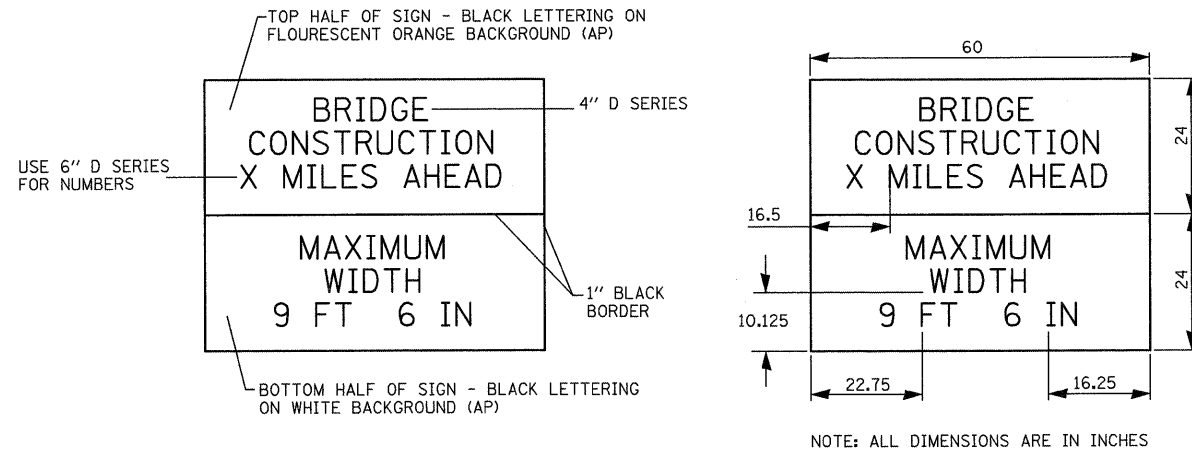


PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract 74349\BHT\_072\_model11\_pp\_01.dgn

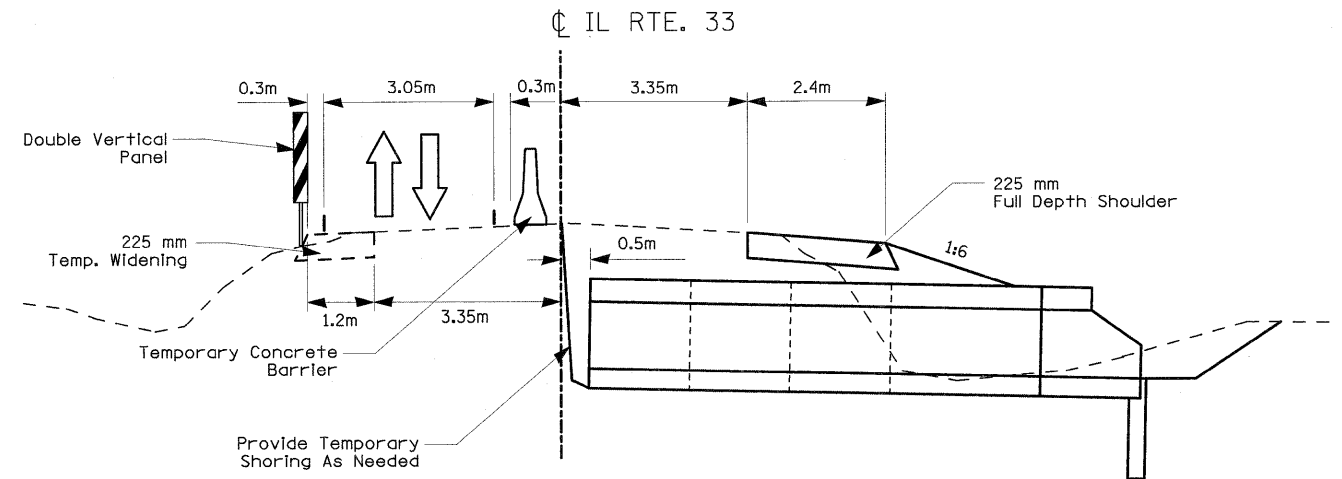
HMG JOB NO. 4420



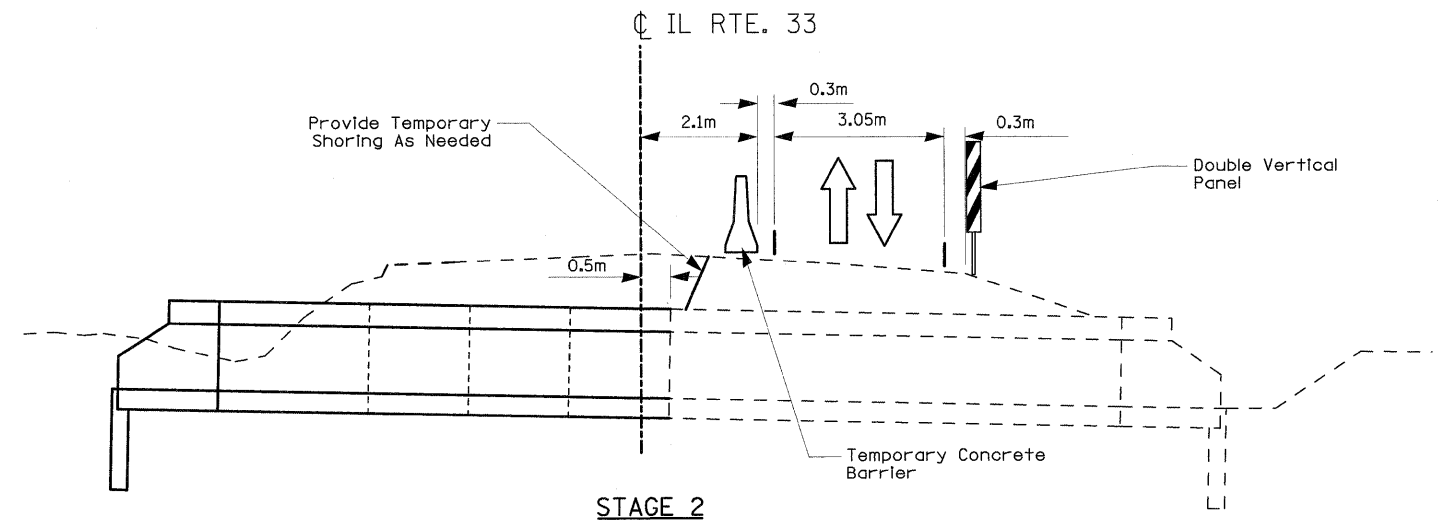
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	74
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



WIDTH RESTRICTION SIGN



STAGE 1



STAGE 2

TRAFFIC CONTROL NOTES:

THE CONTRACTOR SHALL UTILIZE TRAFFIC CONTROL STANDARD 701321 DURING EXECUTION OF THIS WORK. TEMPORARY BRIDGE TRAFFIC SIGNALS, TEMPORARY RUMBLE STRIPS, TEMPORARY CONCRETE BARRIER, AND IMPACT ATTENUATORS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR SAID ITEMS. ALL OTHER STRIPING, STRIPING REMOVAL, SIGNAGE, ETC. REQUIRED BY THE STANDARD SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL) ONCE FOR EACH CULVERT LOCATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY CHANGES OR ADJUSTMENTS TO THE TRAFFIC CONTROL DURING THE CONVERSION TO STAGE 2 OF THE WORK.

THE CONTRACTOR SHALL SUPPLY, SET, AND MAINTAIN TWO (2) WIDTH RESTRICTION WARNING SIGNS, AS SHOWN IN THE DETAIL, PRIOR TO COMMENCING WORK UNLESS THEY ARE ALREADY IN PLACE FOR OTHER ITEMS OF WORK. THE SIGNS SHALL BE PLACED AT THE INTERSECTIONS OF IL 33 AND IL 49 AND IL 33 AND IL 1, OR OTHER LOCATION, AS DIRECTED BY THE ENGINEER.

ALL LABOR AND MATERIALS REQUIRED TO SUPPLY, SET, AND MAINTAIN THESE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL).

DOUBLE VERTICAL PANELS, AS SHOWN IN THE DETAIL, SHALL BE USED IF GUARDRAIL IS NOT PRESENT. ALL LABOR AND MATERIALS REQUIRED TO SUPPLY, SET, AND MAINTAIN THE PANELS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL).

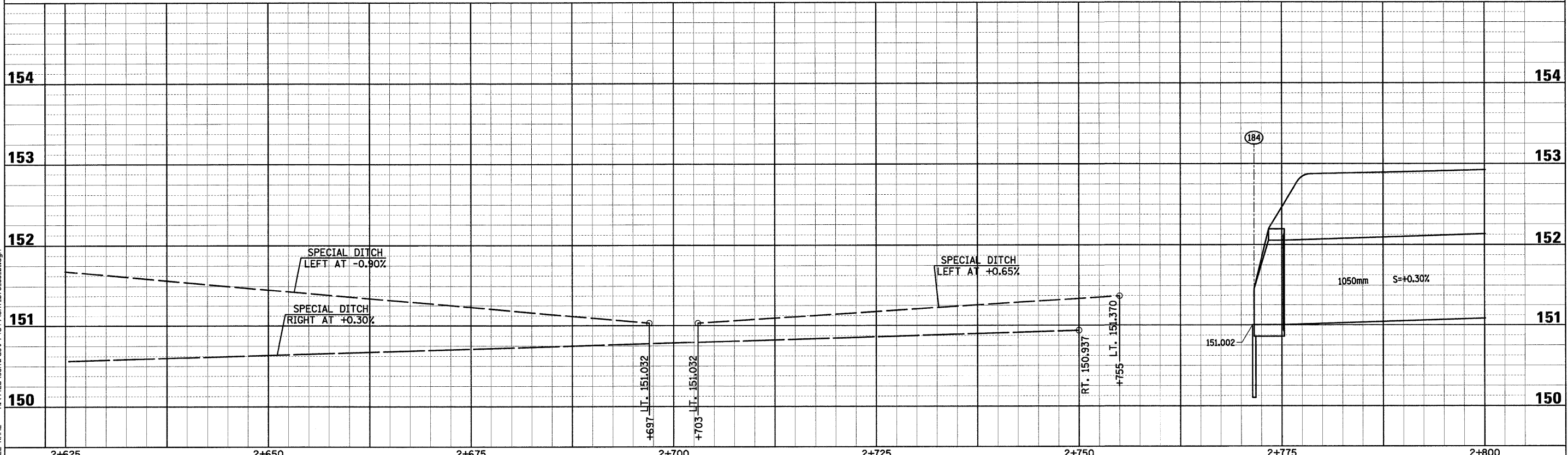
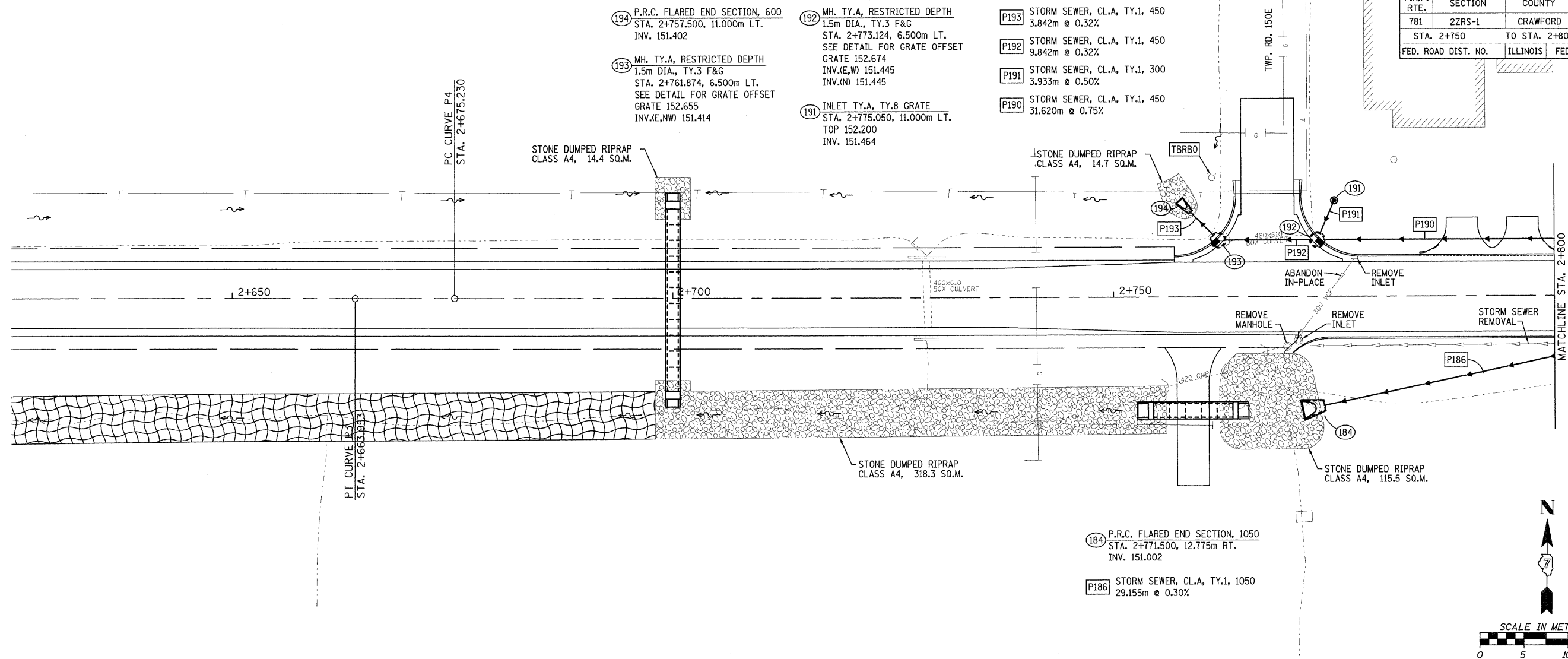
THE CONTRACT QUANTITIES INCLUDE 100 METERS OF TEMPORARY CONCRETE BARRIER AND TWO (2) IMPACT ATTENUATORS FOR EACH CULVERT LOCATION.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION CULVERT REPLACEMENT AND INSTALLATION
NAME	DATE	
		<b>STAGING PLAN</b> SCALE NO SCALE DRAWN BY EDW DATE FEBRUARY 6, 2009 CHECKED BY LWJ

PLOT DATE = 2/5/2009  
FILE NAME = H:\4420\Contract 74349\SH1\_074\_rural\_culvert\_staging.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	75
STA. 2+750		TO STA. 2+800		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



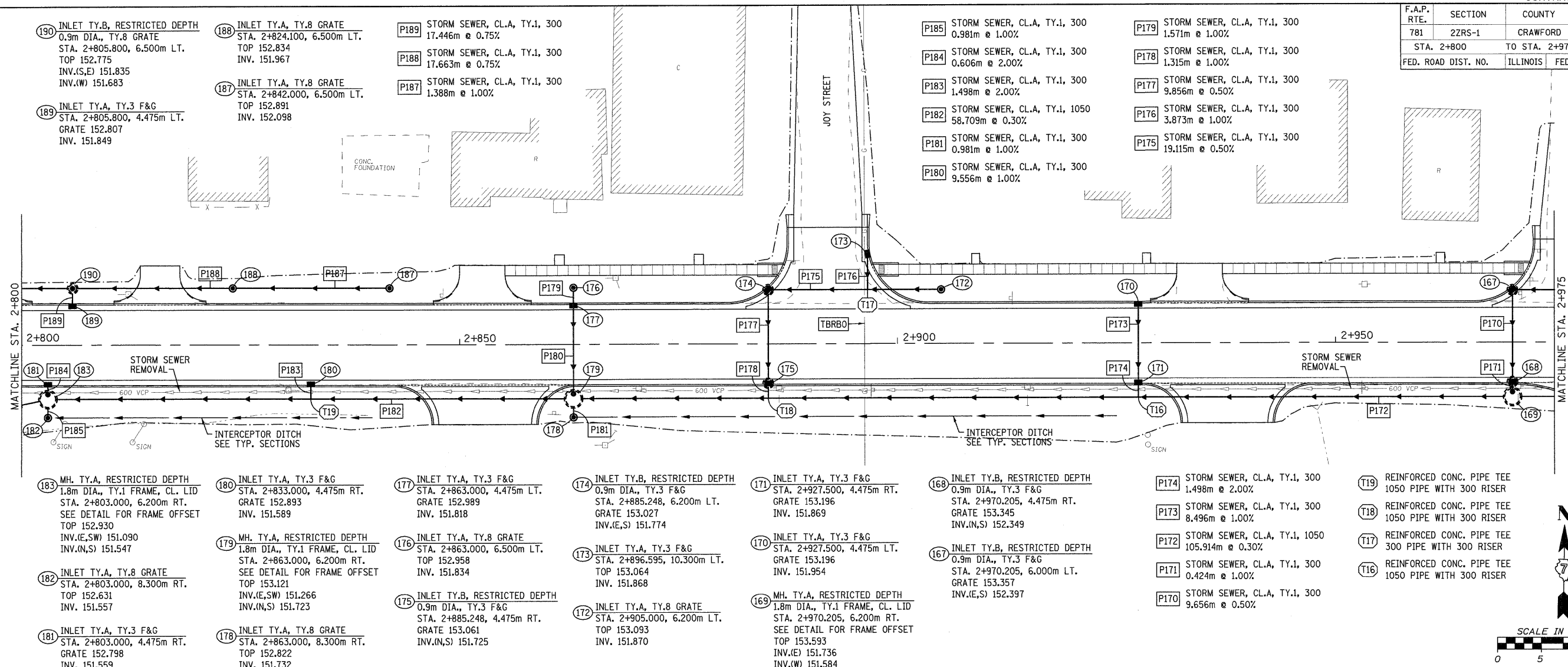
PLOT DATE = 2/5/2009  
FILE NAME = H:\V4420\Contract 74349\SH1\_075.as.01.dgn

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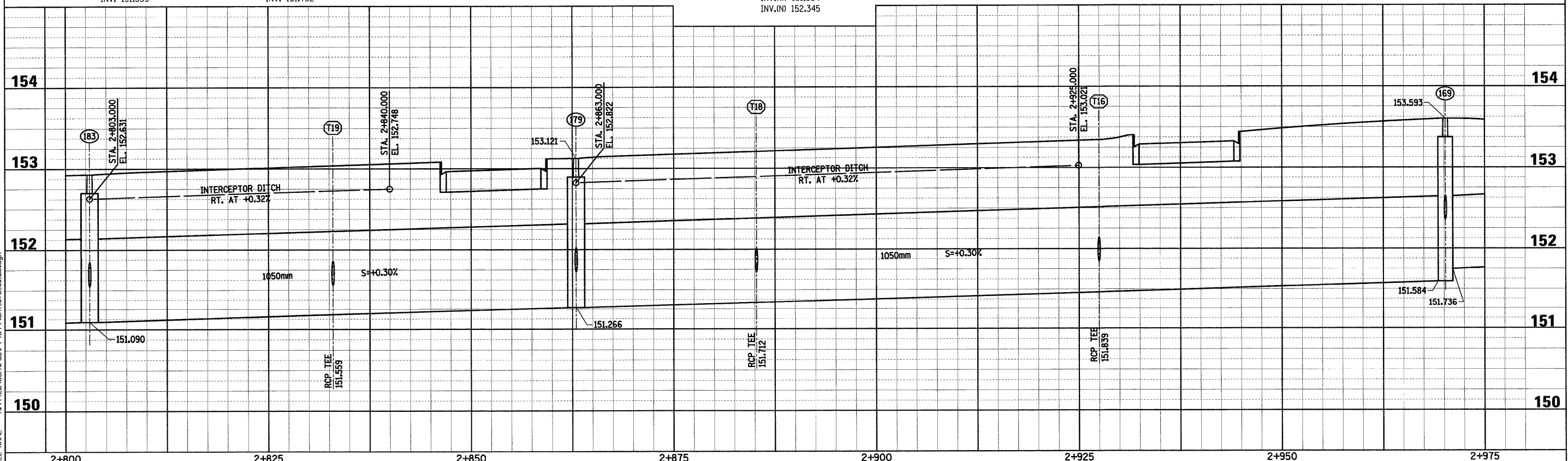
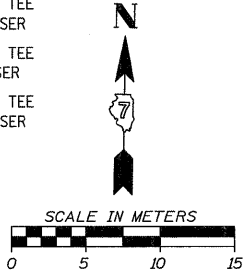
HMG JOB NO. 4420



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	22RS-1	CRAWFORD	191	76
STA. 2+800		TO STA. 2+975		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



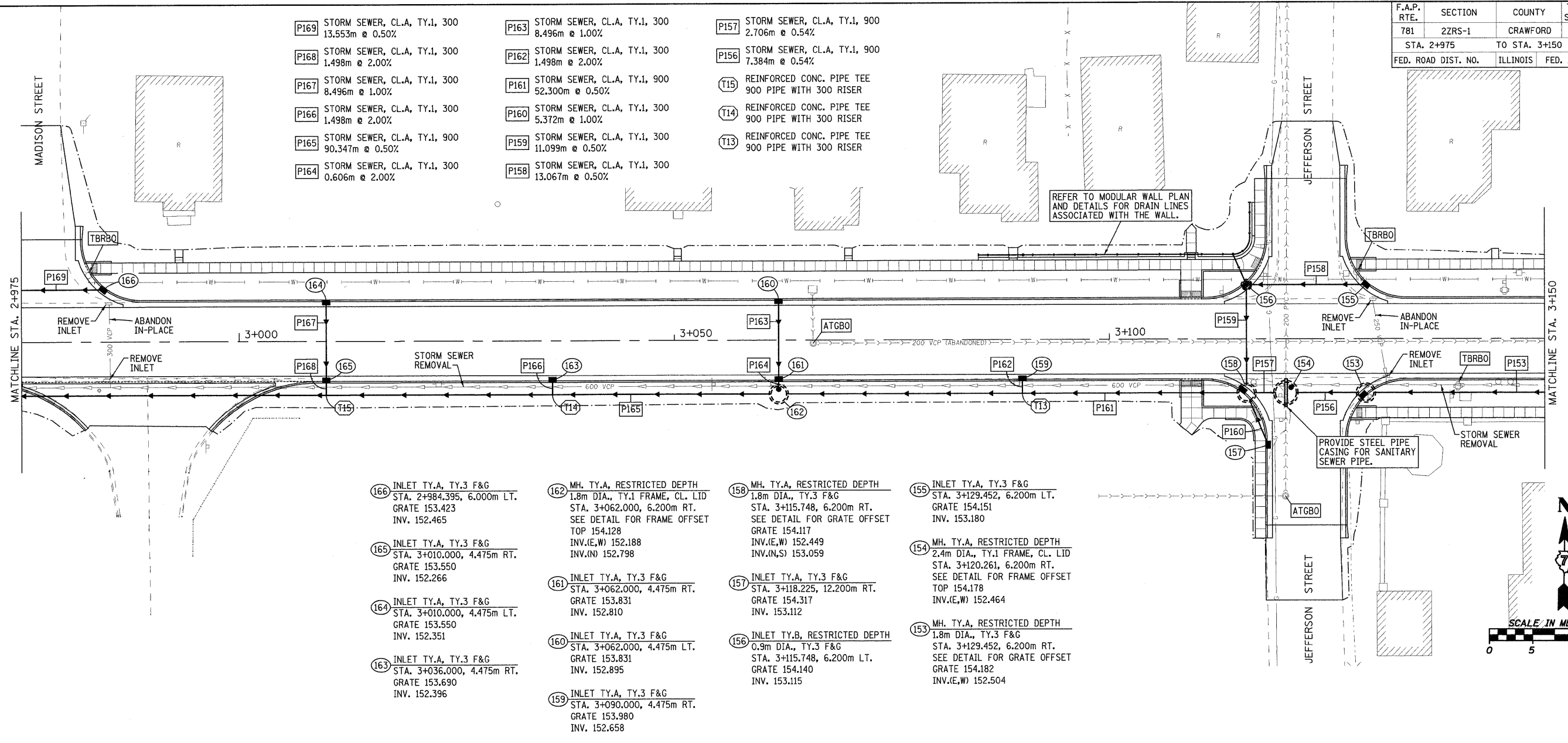
- 183 MH. TY.A, RESTRICTED DEPTH 1.8m DIA., TY.1 FRAME, CL. LID STA. 2+803.000, 6.200m RT. SEE DETAIL FOR FRAME OFFSET TOP 152.930 INV.(E,SW) 151.090 INV.(N,S) 151.547
- 182 INLET TY.A, TY.8 GRATE STA. 2+803.000, 8.300m RT. TOP 152.631 INV. 151.557
- 181 INLET TY.A, TY.3 F&G STA. 2+803.000, 4.475m RT. GRATE 152.798 INV. 151.559
- 180 INLET TY.A, TY.3 F&G STA. 2+833.000, 4.475m RT. GRATE 152.893 INV. 151.589
- 179 MH. TY.A, RESTRICTED DEPTH 1.8m DIA., TY.1 FRAME, CL. LID STA. 2+863.000, 6.200m RT. SEE DETAIL FOR FRAME OFFSET TOP 153.121 INV.(E,SW) 151.266 INV.(N,S) 151.723
- 178 INLET TY.A, TY.8 GRATE STA. 2+863.000, 8.300m RT. TOP 152.822 INV. 151.732
- 177 INLET TY.A, TY.3 F&G STA. 2+863.000, 4.475m LT. GRATE 152.989 INV. 151.818
- 176 INLET TY.A, TY.8 GRATE STA. 2+863.000, 6.500m LT. TOP 152.958 INV. 151.834
- 175 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 2+885.248, 4.475m RT. GRATE 153.061 INV.(N,S) 151.725
- 174 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 2+885.248, 6.200m LT. GRATE 153.027 INV.(E,S) 151.774
- 173 INLET TY.A, TY.3 F&G STA. 2+896.595, 10.300m LT. TOP 153.064 INV. 151.868
- 172 INLET TY.A, TY.8 GRATE STA. 2+905.000, 6.200m LT. TOP 153.093 INV. 151.870
- 171 INLET TY.A, TY.3 F&G STA. 2+927.500, 4.475m RT. GRATE 153.196 INV. 151.869
- 170 INLET TY.A, TY.3 F&G STA. 2+927.500, 4.475m LT. GRATE 153.196 INV. 151.954
- 169 MH. TY.A, RESTRICTED DEPTH 1.8m DIA., TY.1 FRAME, CL. LID STA. 2+970.205, 6.200m RT. SEE DETAIL FOR FRAME OFFSET TOP 153.593 INV.(E) 151.736 INV.(W) 151.584 INV.(N) 152.345
- 168 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 2+970.205, 4.475m RT. GRATE 153.345 INV.(N,S) 152.349
- 167 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 2+970.205, 6.000m LT. GRATE 153.357 INV.(E,S) 152.397
- 166 STORM SEWER, CL.A, TY.1, 300 1.498m @ 2.00%
- 165 STORM SEWER, CL.A, TY.1, 300 0.981m @ 1.00%
- 164 STORM SEWER, CL.A, TY.1, 300 0.606m @ 2.00%
- 163 STORM SEWER, CL.A, TY.1, 300 1.498m @ 2.00%
- 162 STORM SEWER, CL.A, TY.1, 1050 58.709m @ 0.30%
- 161 STORM SEWER, CL.A, TY.1, 300 0.981m @ 1.00%
- 160 STORM SEWER, CL.A, TY.1, 300 9.556m @ 1.00%
- 159 STORM SEWER, CL.A, TY.1, 300 1.571m @ 1.00%
- 158 STORM SEWER, CL.A, TY.1, 300 1.315m @ 1.00%
- 157 STORM SEWER, CL.A, TY.1, 300 9.856m @ 0.50%
- 156 STORM SEWER, CL.A, TY.1, 300 3.873m @ 1.00%
- 155 STORM SEWER, CL.A, TY.1, 300 19.115m @ 0.50%
- 154 REINFORCED CONC. PIPE TEE 1050 PIPE WITH 300 RISER
- 153 REINFORCED CONC. PIPE TEE 1050 PIPE WITH 300 RISER
- 152 REINFORCED CONC. PIPE TEE 300 PIPE WITH 300 RISER
- 151 REINFORCED CONC. PIPE TEE 1050 PIPE WITH 300 RISER



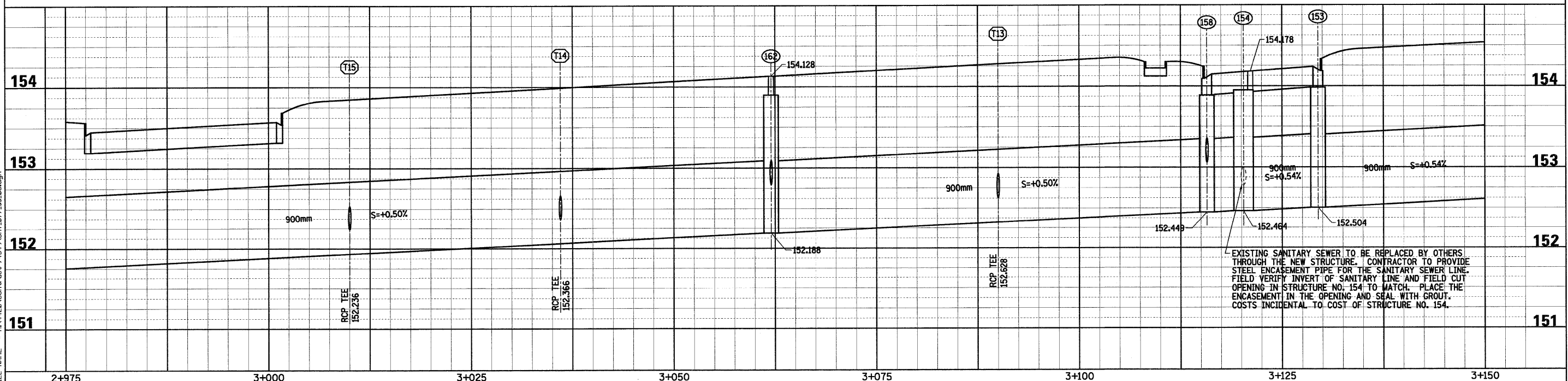
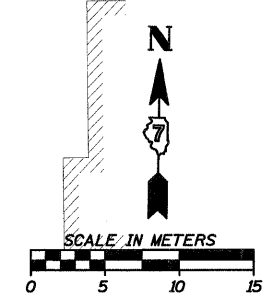
PLOT DATE = 2/5/2009  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	77
STA. 2+975		TO STA. 3+150		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- |  |  |  |
|--|--|--|
| P169 STORM SEWER, CL.A, TY.1, 300<br>13.553m @ 0.50% | P163 STORM SEWER, CL.A, TY.1, 300<br>8.496m @ 1.00%  | P157 STORM SEWER, CL.A, TY.1, 900<br>2.706m @ 0.54%      |
| P168 STORM SEWER, CL.A, TY.1, 300<br>1.498m @ 2.00%  | P162 STORM SEWER, CL.A, TY.1, 300<br>1.498m @ 2.00%  | P156 STORM SEWER, CL.A, TY.1, 900<br>7.384m @ 0.54%      |
| P167 STORM SEWER, CL.A, TY.1, 300<br>8.496m @ 1.00%  | P161 STORM SEWER, CL.A, TY.1, 900<br>52.300m @ 0.50% | T15 REINFORCED CONC. PIPE TEE<br>900 PIPE WITH 300 RISER |
| P166 STORM SEWER, CL.A, TY.1, 300<br>1.498m @ 2.00%  | P160 STORM SEWER, CL.A, TY.1, 300<br>5.372m @ 1.00%  | T14 REINFORCED CONC. PIPE TEE<br>900 PIPE WITH 300 RISER |
| P165 STORM SEWER, CL.A, TY.1, 900<br>90.347m @ 0.50% | P159 STORM SEWER, CL.A, TY.1, 300<br>11.099m @ 0.50% | T13 REINFORCED CONC. PIPE TEE<br>900 PIPE WITH 300 RISER |
| P164 STORM SEWER, CL.A, TY.1, 300<br>0.606m @ 2.00%  | P158 STORM SEWER, CL.A, TY.1, 300<br>13.067m @ 0.50% |  |



- |   |  |   |   |
|---|--|---|---|
| 166 INLET TY.A, TY.3 F&G<br>STA. 2+984.395, 6.000m LT.<br>GRATE 153.423<br>INV. 152.465 | 162 MH. TY.A, RESTRICTED DEPTH<br>1.8m DIA., TY.1 FRAME, CL. LID<br>STA. 3+062.000, 6.200m RT.<br>SEE DETAIL FOR FRAME OFFSET<br>TOP 154.128<br>INV.(E,W) 152.188<br>INV.(N) 152.798 | 158 MH. TY.A, RESTRICTED DEPTH<br>1.8m DIA., TY.3 F&G<br>STA. 3+115.748, 6.200m RT.<br>SEE DETAIL FOR GRATE OFFSET<br>GRATE 154.117<br>INV.(E,W) 152.449<br>INV.(N,S) 153.059 | 155 INLET TY.A, TY.3 F&G<br>STA. 3+129.452, 6.200m LT.<br>GRATE 154.151<br>INV. 153.180   |
| 165 INLET TY.A, TY.3 F&G<br>STA. 3+010.000, 4.475m RT.<br>GRATE 153.550<br>INV. 152.266 | 161 INLET TY.A, TY.3 F&G<br>STA. 3+062.000, 4.475m RT.<br>GRATE 153.831<br>INV. 152.810  | 157 INLET TY.A, TY.3 F&G<br>STA. 3+118.225, 12.200m RT.<br>GRATE 154.317<br>INV. 153.112  | 154 MH. TY.A, RESTRICTED DEPTH<br>2.4m DIA., TY.1 FRAME, CL. LID<br>STA. 3+120.261, 6.200m RT.<br>SEE DETAIL FOR FRAME OFFSET<br>TOP 154.178<br>INV.(E,W) 152.464 |
| 164 INLET TY.A, TY.3 F&G<br>STA. 3+010.000, 4.475m LT.<br>GRATE 153.550<br>INV. 152.351 | 160 INLET TY.A, TY.3 F&G<br>STA. 3+062.000, 4.475m LT.<br>GRATE 153.831<br>INV. 152.895  | 156 INLET TY.B, RESTRICTED DEPTH<br>0.9m DIA., TY.3 F&G<br>STA. 3+115.748, 6.200m LT.<br>GRATE 154.140<br>INV. 153.115  | 153 MH. TY.A, RESTRICTED DEPTH<br>1.8m DIA., TY.3 F&G<br>STA. 3+129.452, 6.200m RT.<br>SEE DETAIL FOR GRATE OFFSET<br>GRATE 154.182<br>INV.(E,W) 152.504          |
| 163 INLET TY.A, TY.3 F&G<br>STA. 3+036.000, 4.475m RT.<br>GRATE 153.690<br>INV. 152.396 | 159 INLET TY.A, TY.3 F&G<br>STA. 3+090.000, 4.475m RT.<br>GRATE 153.980<br>INV. 152.658  |   |   |



EXISTING SANITARY SEWER TO BE REPLACED BY OTHERS THROUGH THE NEW STRUCTURE. CONTRACTOR TO PROVIDE STEEL ENCASUREMENT PIPE FOR THE SANITARY SEWER LINE. FIELD VERIFY INVERT OF SANITARY LINE AND FIELD CUT OPENING IN STRUCTURE NO. 154 TO MATCH. PLACE THE ENCASUREMENT IN THE OPENING AND SEAL WITH GROUT. COSTS INCIDENTAL TO COST OF STRUCTURE NO. 154.

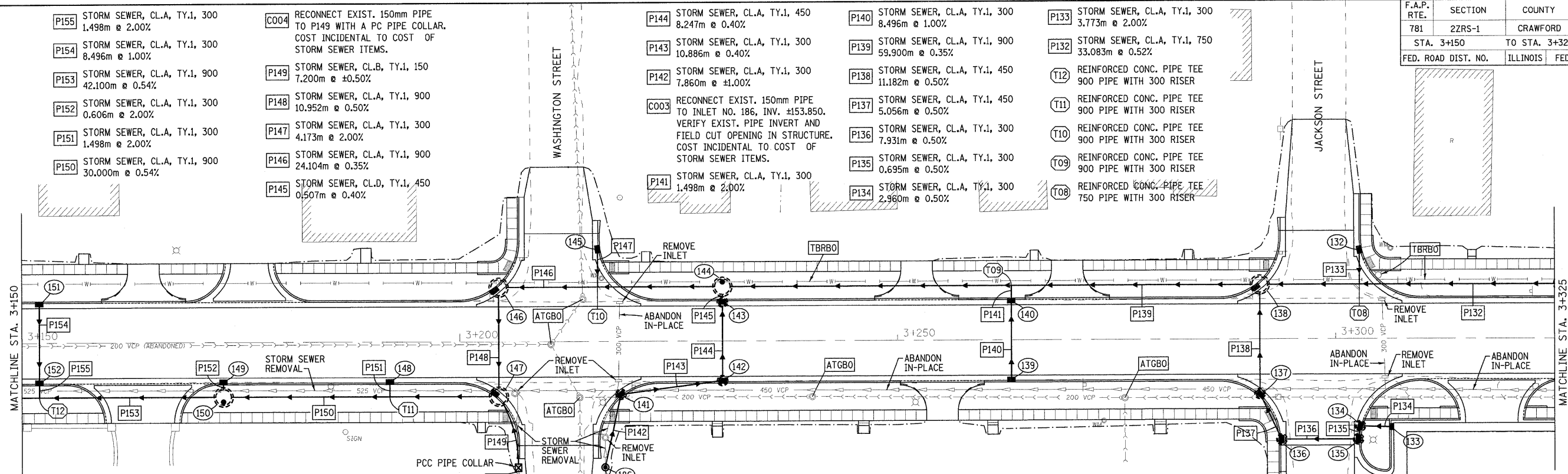
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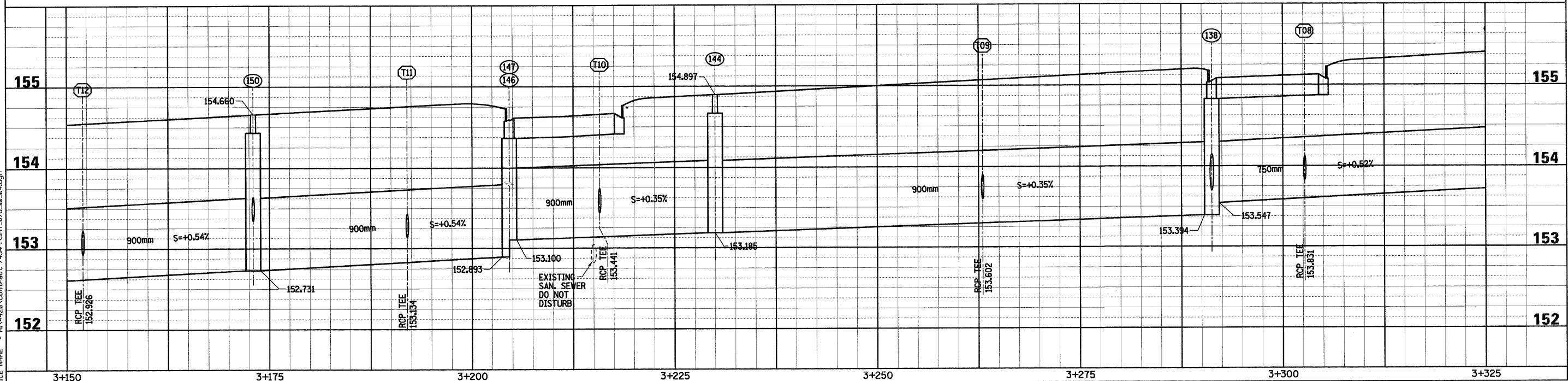
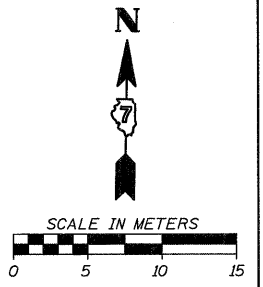
HMG JOB NO. 4420



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	78
STA. 3+150		TO STA. 3+325		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- 152 INLET TY.A, TY.3 F&G  
STA. 3+152.000, 4.475m RT.  
GRATE 154.303  
INV. 152.596
- 151 INLET TY.A, TY.3 F&G  
STA. 3+152.000, 4.475m LT.  
GRATE 154.303  
INV. 153.041
- 150 MH, TY.A, RESTRICTED DEPTH  
1.8m DIA., TY.1 FRAME, CL. LID  
STA. 3+173.000, 6.200m RT.  
SEE DETAIL FOR FRAME OFFSET  
TOP 154.660  
INV.(E,W) 152.731  
INV.(N) 153.341
- 149 INLET TY.A, TY.3 F&G  
STA. 3+173.000, 4.475m RT.  
GRATE 154.412  
INV. 153.353
- 148 INLET TY.A, TY.3 F&G  
STA. 3+192.000, 4.475m RT.  
GRATE 154.511  
INV. 153.164
- 147 MH, TY.A, RESTRICTED DEPTH  
1.8m DIA., TY.3 F&G  
STA. 3+204.448, 6.200m RT.  
SEE DETAIL FOR GRATE OFFSET  
GRATE 154.578  
INV.(E,N) 152.893
- 146 MH, TY.A, RESTRICTED DEPTH  
1.8m DIA., TY.3 F&G  
STA. 3+204.448, 6.200m LT.  
SEE DETAIL FOR GRATE OFFSET  
GRATE 154.577  
INV.(E) 153.100  
INV.(S) 152.948
- 145 INLET TY.A, TY.3 F&G  
STA. 3+215.745, 10.600m LT.  
GRATE 154.589  
INV. 153.525
- 144 MH, TY.A, RESTRICTED DEPTH  
1.8m DIA., TY.1 FRAME, CL. LID  
STA. 3+230.000, 6.200m LT.  
SEE DETAIL FOR FRAME OFFSET  
TOP 154.897  
INV.(E,W) 153.185  
INV.(S) 153.489
- 143 INLET TY.B, RESTRICTED DEPTH  
0.9m DIA., TY.3 F&G  
STA. 3+230.000, 4.475m LT.  
GRATE 154.708  
INV. 153.491
- 142 INLET TY.B, RESTRICTED DEPTH  
0.9m DIA., TY.3 F&G  
STA. 3+230.000, 4.475m RT.  
GRATE 154.708  
INV.(N) 153.524  
INV.(S) 153.676
- 141 INLET TY.B, RESTRICTED DEPTH  
0.9m DIA., TY.3 F&G  
STA. 3+218.395, 6.000m RT.  
GRATE 154.621  
INV. 153.720
- 140 INLET TY.A, TY.3 F&G  
STA. 3+216.576, 14.300m RT.  
TOP 155.000  
INV. 153.798
- 140 INLET TY.A, TY.3 F&G  
STA. 3+263.000, 4.475m LT.  
GRATE 154.880  
INV. 153.632
- 140 STORM SEWER, CL.A, TY.1, 300  
8.247m @ 0.40%
- 143 STORM SEWER, CL.A, TY.1, 300  
10.886m @ 0.40%
- 142 STORM SEWER, CL.A, TY.1, 300  
7.860m @ ±1.00%
- CO03 RECONNECT EXIST. 150mm PIPE  
TO INLET NO. 186, INV. ±153.850.  
VERIFY EXIST. PIPE INVERT AND  
FIELD CUT OPENING IN STRUCTURE.  
COST INCIDENTAL TO COST OF  
STORM SEWER ITEMS.
- 141 STORM SEWER, CL.A, TY.1, 300  
1.498m @ 2.00%
- 140 STORM SEWER, CL.A, TY.1, 300  
8.496m @ 1.00%
- 139 STORM SEWER, CL.A, TY.1, 900  
59.900m @ 0.35%
- 138 STORM SEWER, CL.A, TY.1, 450  
11.182m @ 0.50%
- 137 STORM SEWER, CL.A, TY.1, 450  
5.056m @ 0.50%
- 136 STORM SEWER, CL.A, TY.1, 300  
7.931m @ 0.50%
- 135 STORM SEWER, CL.A, TY.1, 300  
0.695m @ 0.50%
- 134 STORM SEWER, CL.A, TY.1, 300  
2.960m @ 0.50%
- 133 STORM SEWER, CL.A, TY.1, 300  
3.773m @ 2.00%
- 132 STORM SEWER, CL.A, TY.1, 750  
33.083m @ 0.52%
- T12 REINFORCED CONC. PIPE TEE  
900 PIPE WITH 300 RISER
- T11 REINFORCED CONC. PIPE TEE  
900 PIPE WITH 300 RISER
- T10 REINFORCED CONC. PIPE TEE  
900 PIPE WITH 300 RISER
- T09 REINFORCED CONC. PIPE TEE  
900 PIPE WITH 300 RISER
- T08 REINFORCED CONC. PIPE TEE  
750 PIPE WITH 300 RISER
- 136 INLET TY.B, RESTRICTED DEPTH  
0.9m DIA., TY.3 F&G  
STA. 3+293.825, 11.400m RT.  
GRATE 155.100  
INV.(N) 153.932  
INV.(E) 153.780
- 135 INLET TY.B, RESTRICTED DEPTH  
0.9m DIA., TY.3 F&G  
STA. 3+302.575, 11.400m RT.  
GRATE 155.100  
INV. 153.972
- 134 INLET TY.B, RESTRICTED DEPTH  
0.9m DIA., TY.3 F&G  
STA. 3+302.780, 9.900m RT.  
GRATE 155.068  
INV. 153.975
- 133 INLET TY.A, TY.11 F&G  
STA. 3+306.375, 10.000m RT.  
GRATE 155.348  
INV. 153.990
- 132 INLET TY.A, TY.3 F&G  
STA. 3+302.713, 10.200m LT.  
GRATE 155.069  
INV. 153.907

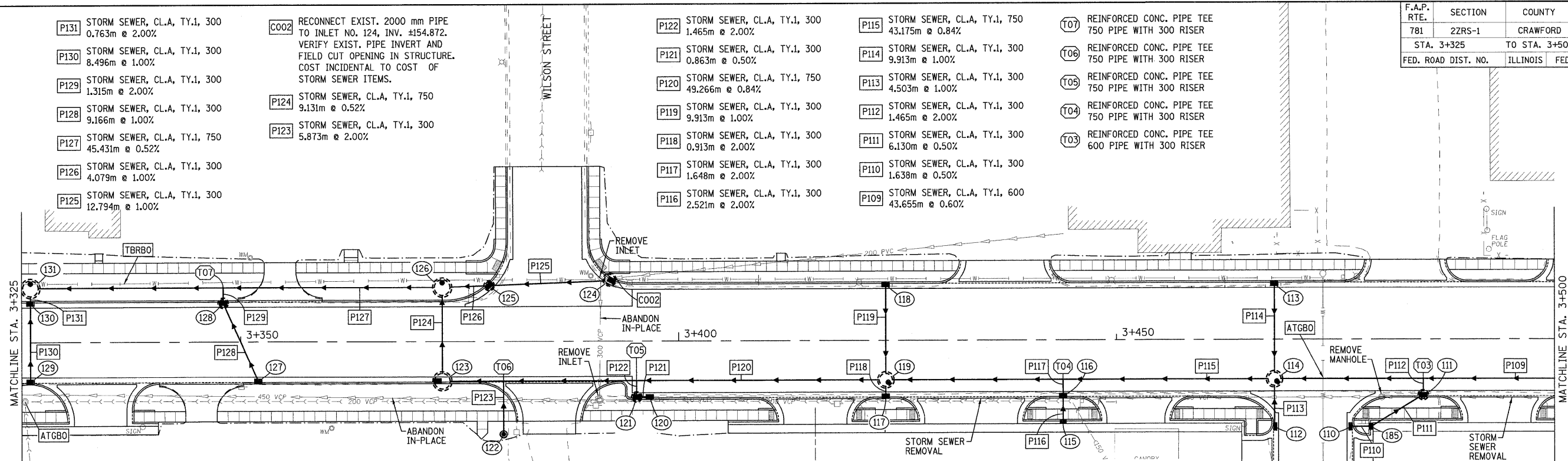


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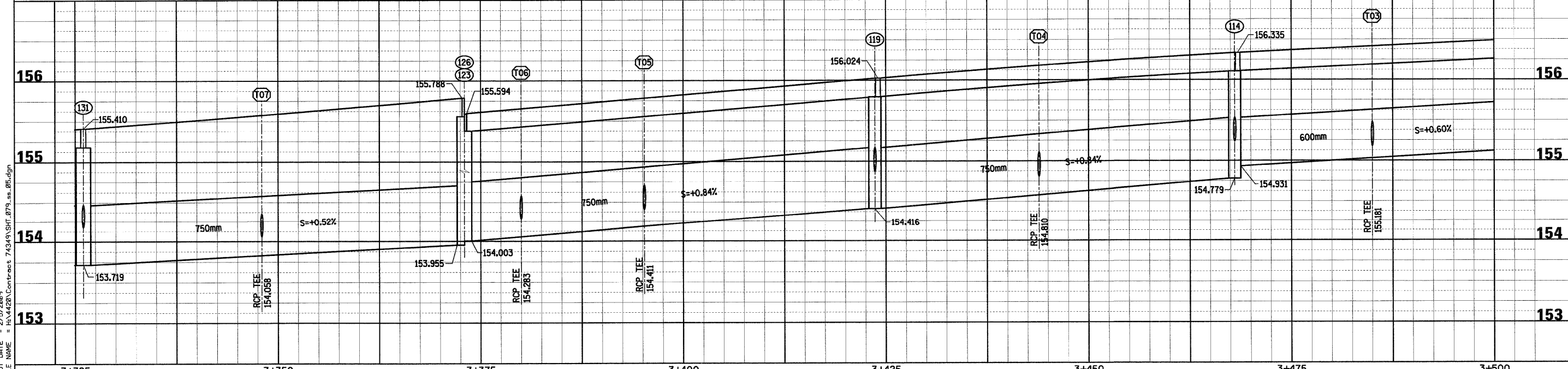
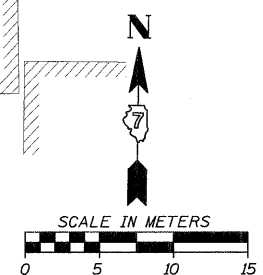
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HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	79
STA. 3+325		TO STA. 3+500		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- P131 STORM SEWER, CL.A, TY.1, 300 0.763m @ 2.00%
- P130 STORM SEWER, CL.A, TY.1, 300 8.496m @ 1.00%
- P129 STORM SEWER, CL.A, TY.1, 300 1.315m @ 2.00%
- P128 STORM SEWER, CL.A, TY.1, 300 9.166m @ 1.00%
- P127 STORM SEWER, CL.A, TY.1, 750 45.431m @ 0.52%
- P126 STORM SEWER, CL.A, TY.1, 300 4.079m @ 1.00%
- P125 STORM SEWER, CL.A, TY.1, 300 12.794m @ 1.00%
- C002 RECONNECT EXIST. 2000 mm PIPE TO INLET NO. 124, INV. ±154.872. VERIFY EXIST. PIPE INVERT AND FIELD CUT OPENING IN STRUCTURE. COST INCIDENTAL TO COST OF STORM SEWER ITEMS.
- P124 STORM SEWER, CL.A, TY.1, 750 9.131m @ 0.52%
- P123 STORM SEWER, CL.A, TY.1, 300 5.873m @ 2.00%
- P122 STORM SEWER, CL.A, TY.1, 300 1.465m @ 2.00%
- P121 STORM SEWER, CL.A, TY.1, 300 0.863m @ 0.50%
- P120 STORM SEWER, CL.A, TY.1, 750 49.266m @ 0.84%
- P119 STORM SEWER, CL.A, TY.1, 300 9.913m @ 1.00%
- P118 STORM SEWER, CL.A, TY.1, 300 0.913m @ 2.00%
- P117 STORM SEWER, CL.A, TY.1, 300 1.648m @ 2.00%
- P116 STORM SEWER, CL.A, TY.1, 300 2.521m @ 2.00%
- P115 STORM SEWER, CL.A, TY.1, 750 43.175m @ 0.84%
- P114 STORM SEWER, CL.A, TY.1, 300 9.913m @ 1.00%
- P113 STORM SEWER, CL.A, TY.1, 300 4.503m @ 1.00%
- P112 STORM SEWER, CL.A, TY.1, 300 1.465m @ 1.00%
- P111 STORM SEWER, CL.A, TY.1, 300 6.130m @ 0.50%
- P110 STORM SEWER, CL.A, TY.1, 300 1.638m @ 0.50%
- P109 STORM SEWER, CL.A, TY.1, 600 43.655m @ 0.60%
- T07 REINFORCED CONC. PIPE TEE 750 PIPE WITH 300 RISER
- T06 REINFORCED CONC. PIPE TEE 750 PIPE WITH 300 RISER
- T05 REINFORCED CONC. PIPE TEE 750 PIPE WITH 300 RISER
- T04 REINFORCED CONC. PIPE TEE 750 PIPE WITH 300 RISER
- T03 REINFORCED CONC. PIPE TEE 600 PIPE WITH 300 RISER
- 131 MH. TY.A, RESTRICTED DEPTH 1.8m DIA., TY.1 FRAME, CL. LID STA. 3+326.000, 6.200m LT. SEE DETAIL FOR FRAME OFFSET TOP 155.410 INV.(E,W) 153.719 INV.(S) 154.176
- 130 INLET TY.A, TY.3 F&G STA. 3+326.000, 4.475m LT. GRATE 155.222 INV. 154.192
- 129 INLET TY.A, TY.3 F&G STA. 3+326.000, 4.475m RT. GRATE 155.222 INV. 154.277
- 128 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+348.000, 4.475m LT. GRATE 155.389 INV. 154.084
- 127 INLET TY.A, TY.3 F&G STA. 3+352.000, 4.475m RT. GRATE 155.423 INV. 154.176
- 126 MH. TY.A, RESTRICTED DEPTH 1.8m DIA., TY.1 FRAME, CL. LID STA. 3+373.000, 6.200m LT. SEE DETAIL FOR FRAME OFFSET TOP 155.788 INV.(S,W) 153.955 INV.(E) 154.412
- 125 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+378.376, 6.403m LT. GRATE 155.646 INV. 154.453
- 124 MH. TY.A, RESTRICTED DEPTH 1.2m DIA., TY.3 F&G STA. 3+392.139, 7.046m LT. SEE DETAIL FOR GRATE OFFSET GRATE 155.649 INV.(E) ±154.872 INV.(W) 154.580
- 123 MH. TY.A, RESTRICTED DEPTH 1.8m DIA., TY.3 F&G STA. 3+373.000, 4.500m RT. SEE DETAIL FOR GRATE OFFSET GRATE 155.594 INV.(E,N) 154.003
- 122 INLET TY.A, TY.8 GRATE STA. 3+380.000, 10.600m RT. TOP 155.600 INV. 154.400
- 121 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+395.200, 6.375m RT. GRATE 155.705 INV. 154.440
- 120 INLET TY.A, TY.3 F&G STA. 3+396.700, 6.375m RT. GRATE 155.721 INV. 154.444
- 119 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+423.650, 4.500m RT. SEE DETAIL FOR FRAME OFFSET TOP 156.024 INV.(E,W) 154.416 INV.(N,S) 154.873
- 118 INLET TY.A, TY.3 F&G STA. 3+423.650, 6.375m LT. GRATE 155.940 INV. 154.973
- 117 INLET TY.A, TY.3 F&G STA. 3+423.650, 6.375m RT. GRATE 155.940 INV. 154.891
- 116 INLET TY.A, TY.3 F&G STA. 3+443.900, 6.375m RT. GRATE 156.099 INV. 154.843
- 115 INLET TY.A, TY.11 F&G STA. 3+443.900, 9.350m RT. GRATE 156.205 INV. 154.893
- 114 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+468.025, 4.500m RT. SEE DETAIL FOR FRAME OFFSET TOP 156.335 INV.(E) 154.931 INV.(W) 154.779 INV.(N,S) 155.236
- 113 INLET TY.A, TY.3 F&G STA. 3+468.025, 6.375m LT. GRATE 156.241 INV. 155.335
- 112 INLET TY.A, TY.3 F&G STA. 3+468.025, 9.965m RT. GRATE 156.193 INV. 155.281
- 111 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+485.000, 6.375m RT. GRATE 156.346 INV.(N,S) 155.210
- 109 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+479.050, 9.965m RT. GRATE 156.388 INV.(W,N) 155.241
- 110 INLET TY.A, TY.3 F&G STA. 3+476.775, 9.965m RT. GRATE 156.308 INV. 155.249



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HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	80
STA. 3+500 TO STA. 3+675				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

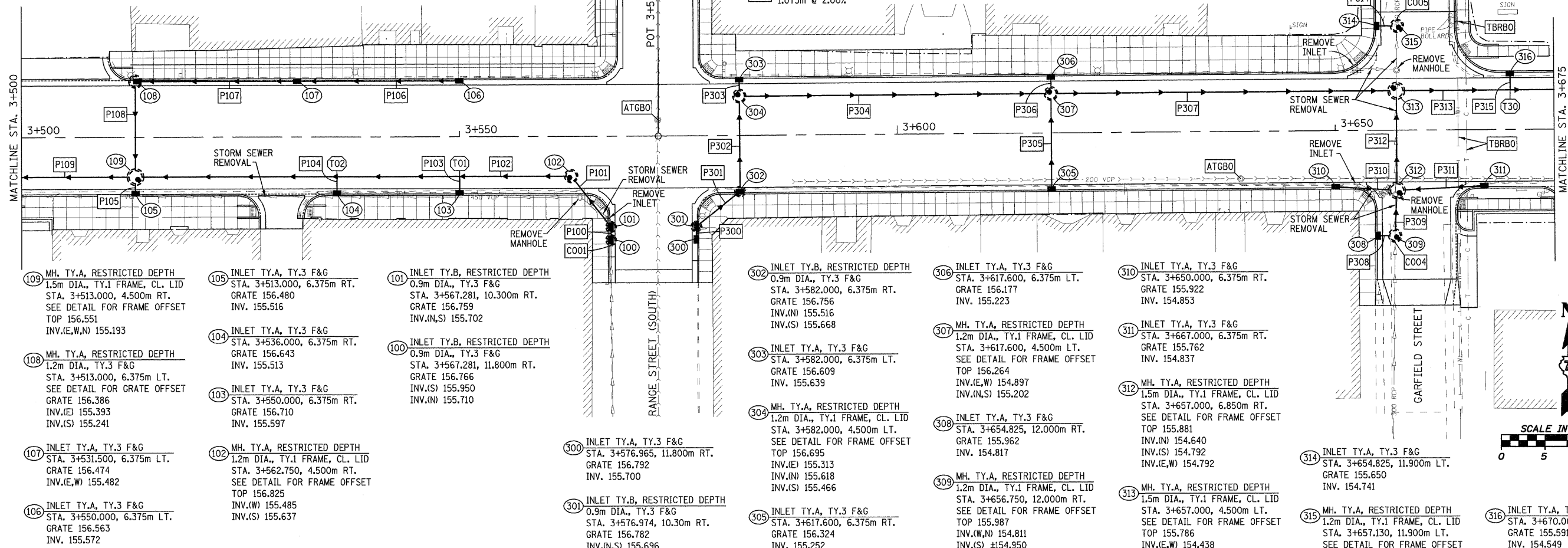
- C001 RECONNECT EXIST. 450mm PIPE TO INLET NO. 100, INV. ±155.950. VERIFY EXIST. PIPE INVERT AND FIELD CUT OPENING IN STRUCTURE. COST INCIDENTAL TO COST OF STORM SEWER ITEMS.
- P100 STORM SEWER, CL.A, TY.1, 450 0.797m @ 1.00%
- P101 STORM SEWER, CL.A, TY.1, 450 6.473m @ 1.00%
- P102 STORM SEWER, CL.A, TY.1, 600 48.614m @ 0.60%
- P103 STORM SEWER, CL.A, TY.1, 300 1.648m @ 2.00%
- P104 STORM SEWER, CL.A, TY.1, 300 1.648m @ 2.00%
- P105 STORM SEWER, CL.A, TY.1, 300 0.913m @ 2.00%
- P106 STORM SEWER, CL.A, TY.1, 300 18.046m @ 0.50%
- P107 STORM SEWER, CL.A, TY.1, 300 17.698m @ 0.50%
- P108 STORM SEWER, CL.A, TY.1, 450 9.636m @ 0.50%
- P109 STORM SEWER, CL.A, TY.1, 600 43.655m @ 0.60%

- T01 REINFORCED CONC. PIPE TEE 600 PIPE WITH 300 RISER
- T02 REINFORCED CONC. PIPE TEE 600 PIPE WITH 300 RISER

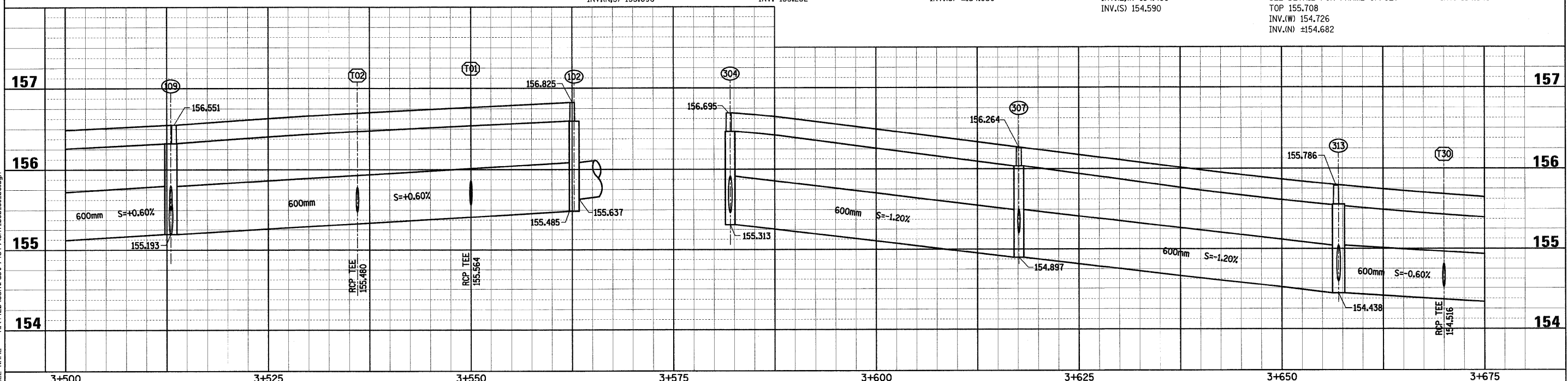
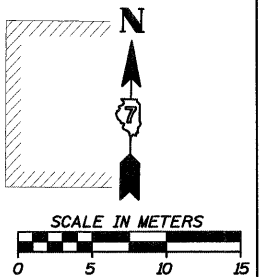
- P300 STORM SEWER, CL.A, TY.1, 300 0.863m @ 0.50%
- P301 STORM SEWER, CL.A, TY.1, 300 5.558m @ 0.50%
- P302 STORM SEWER, CL.A, TY.1, 450 9.988m @ 0.50%
- P303 STORM SEWER, CL.A, TY.1, 300 1.073m @ 2.00%
- P304 STORM SEWER, CL.A, TY.1, 600 34.648m @ 1.20%
- P305 STORM SEWER, CL.A, TY.1, 300 10.073m @ 0.50%
- P306 STORM SEWER, CL.A, TY.1, 300 1.073m @ 2.00%
- P307 STORM SEWER, CL.A, TY.1, 600 38.246m @ 1.20%
- P308 STORM SEWER, CL.A, TY.1, 300 1.123m @ 0.50%
- C004 RECONNECT EXIST. 300mm PIPE TO INLET NO. 309, INV. ±154.950. VERIFY EXIST. PIPE INVERT AND FIELD CUT OPENING IN STRUCTURE. COST INCIDENTAL TO COST OF STORM SEWER ITEMS.
- P309 STORM SEWER, CL.A, TY.1, 300 3.847m @ 0.50%
- P310 STORM SEWER, CL.A, TY.1, 300 6.055m @ 1.00%

- P311 STORM SEWER, CL.A, TY.1, 300 9.050m @ 0.50%
- P312 STORM SEWER, CL.A, TY.1, 450 3.847m @ 0.50%
- P313 STORM SEWER, CL.A, TY.1, 600 32.030m @ 0.60%
- P314 STORM SEWER, CL.A, TY.1, 300 1.503m @ 1.00%
- C005 RECONNECT EXIST. 300mm PIPE TO INLET NO. 315, INV. ±154.682. VERIFY EXIST. PIPE INVERT AND FIELD CUT OPENING IN STRUCTURE. COST INCIDENTAL TO COST OF STORM SEWER ITEMS.

- P315 STORM SEWER, CL.A, TY.1, 300 1.648m @ 2.00%
- T30 REINFORCED CONC. PIPE TEE 600 PIPE WITH 300 RISER



- 109 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+513.000, 4.500m RT. SEE DETAIL FOR FRAME OFFSET TOP 156.551 INV.(E,W,N) 155.193
- 108 MH. TY.A, RESTRICTED DEPTH 1.2m DIA., TY.3 F&G STA. 3+513.000, 6.375m LT. SEE DETAIL FOR GRATE OFFSET GRATE 156.386 INV.(E) 155.393 INV.(S) 155.241
- 107 INLET TY.A, TY.3 F&G STA. 3+531.500, 6.375m LT. GRATE 156.474 INV.(E,W) 155.482
- 106 INLET TY.A, TY.3 F&G STA. 3+550.000, 6.375m LT. GRATE 156.563 INV. 155.572
- 105 INLET TY.A, TY.3 F&G STA. 3+513.000, 6.375m RT. GRATE 156.480 INV. 155.516
- 104 INLET TY.A, TY.3 F&G STA. 3+536.000, 6.375m RT. GRATE 156.643 INV. 155.513
- 103 INLET TY.A, TY.3 F&G STA. 3+550.000, 6.375m RT. GRATE 156.710 INV. 155.597
- 102 MH. TY.A, RESTRICTED DEPTH 1.2m DIA., TY.1 FRAME, CL. LID STA. 3+562.750, 4.500m RT. SEE DETAIL FOR FRAME OFFSET TOP 156.825 INV.(W) 155.485 INV.(S) 155.637
- 101 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+567.281, 10.300m RT. GRATE 156.759 INV.(N,S) 155.702
- 100 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+567.281, 11.800m RT. GRATE 156.766 INV.(S) 155.950 INV.(N) 155.710
- 300 INLET TY.A, TY.3 F&G STA. 3+576.965, 11.800m RT. GRATE 156.792 INV. 155.700
- 301 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+576.974, 10.30m RT. GRATE 156.782 INV.(N,S) 155.696
- 302 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+582.000, 6.375m RT. GRATE 156.756 INV.(N) 155.516 INV.(S) 155.668
- 303 INLET TY.A, TY.3 F&G STA. 3+582.000, 6.375m LT. GRATE 156.609 INV. 155.639
- 304 MH. TY.A, RESTRICTED DEPTH 1.2m DIA., TY.1 FRAME, CL. LID STA. 3+582.000, 4.500m LT. SEE DETAIL FOR FRAME OFFSET TOP 156.695 INV.(E) 155.313 INV.(S) 155.466
- 305 INLET TY.A, TY.3 F&G STA. 3+617.600, 6.375m RT. GRATE 156.324 INV. 155.252
- 306 INLET TY.A, TY.3 F&G STA. 3+617.600, 6.375m LT. GRATE 156.177 INV. 155.223
- 307 MH. TY.A, RESTRICTED DEPTH 1.2m DIA., TY.1 FRAME, CL. LID STA. 3+617.600, 4.500m LT. SEE DETAIL FOR FRAME OFFSET TOP 156.264 INV.(E,W) 154.897 INV.(N,S) 155.202
- 308 INLET TY.A, TY.3 F&G STA. 3+654.825, 12.000m RT. GRATE 155.962 INV. 154.817
- 309 MH. TY.A, RESTRICTED DEPTH 1.2m DIA., TY.1 FRAME, CL. LID STA. 3+656.750, 12.000m RT. SEE DETAIL FOR FRAME OFFSET TOP 155.987 INV.(W,N) 154.811 INV.(S) ±154.950
- 310 INLET TY.A, TY.3 F&G STA. 3+650.000, 6.375m RT. GRATE 155.922 INV. 154.853
- 311 INLET TY.A, TY.3 F&G STA. 3+667.000, 6.375m RT. GRATE 155.762 INV. 154.837
- 312 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+657.000, 6.850m RT. SEE DETAIL FOR FRAME OFFSET TOP 155.881 INV.(N) 154.640 INV.(S) 154.792 INV.(E,W) 154.792
- 313 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+657.000, 4.500m LT. SEE DETAIL FOR FRAME OFFSET TOP 155.786 INV.(E,W) 154.438 INV.(S) 154.590
- 314 INLET TY.A, TY.3 F&G STA. 3+654.825, 11.900m LT. GRATE 155.650 INV. 154.741
- 315 MH. TY.A, RESTRICTED DEPTH 1.2m DIA., TY.1 FRAME, CL. LID STA. 3+657.130, 11.900m LT. SEE DETAIL FOR FRAME OFFSET TOP 155.708 INV.(W) 154.726 INV.(N) ±154.682
- 316 INLET TY.A, TY.3 F&G STA. 3+670.000, 6.375m LT. GRATE 155.591 INV. 154.549

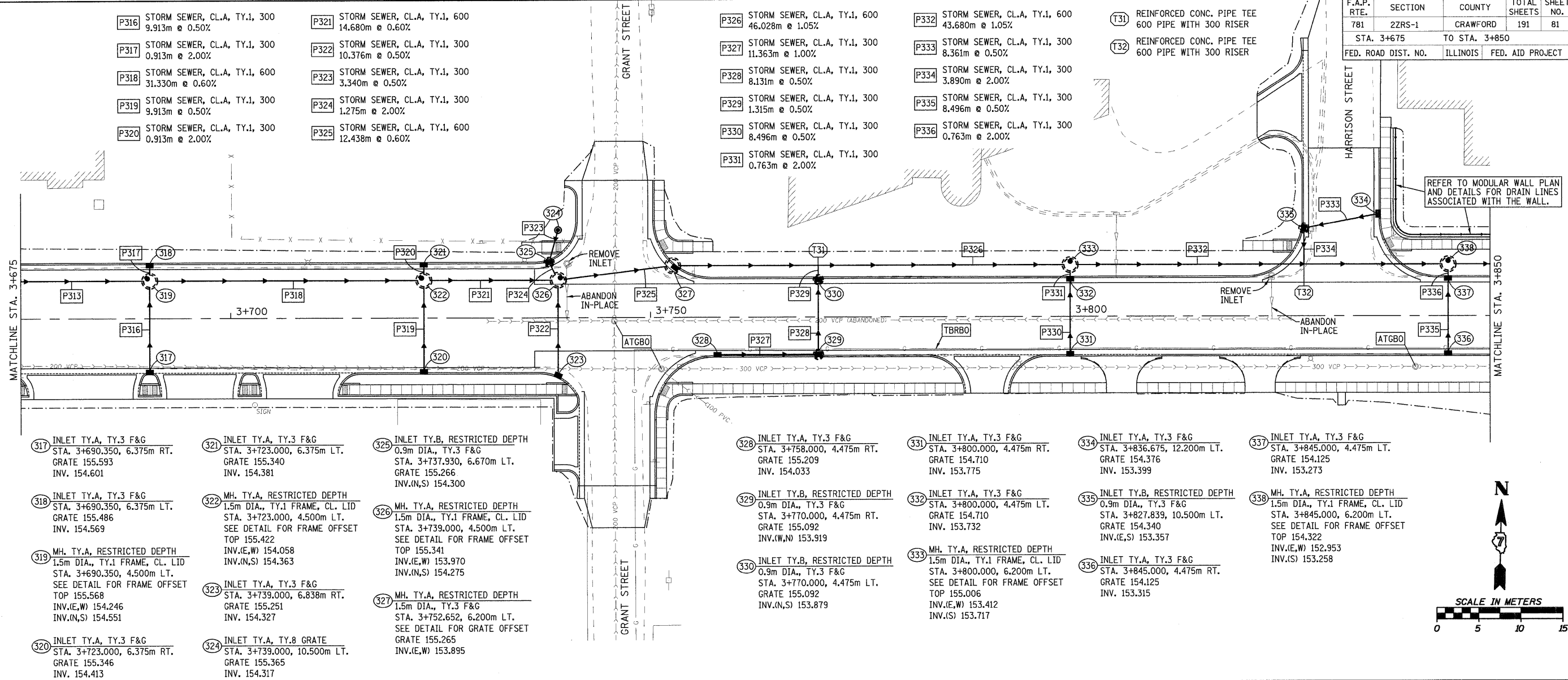


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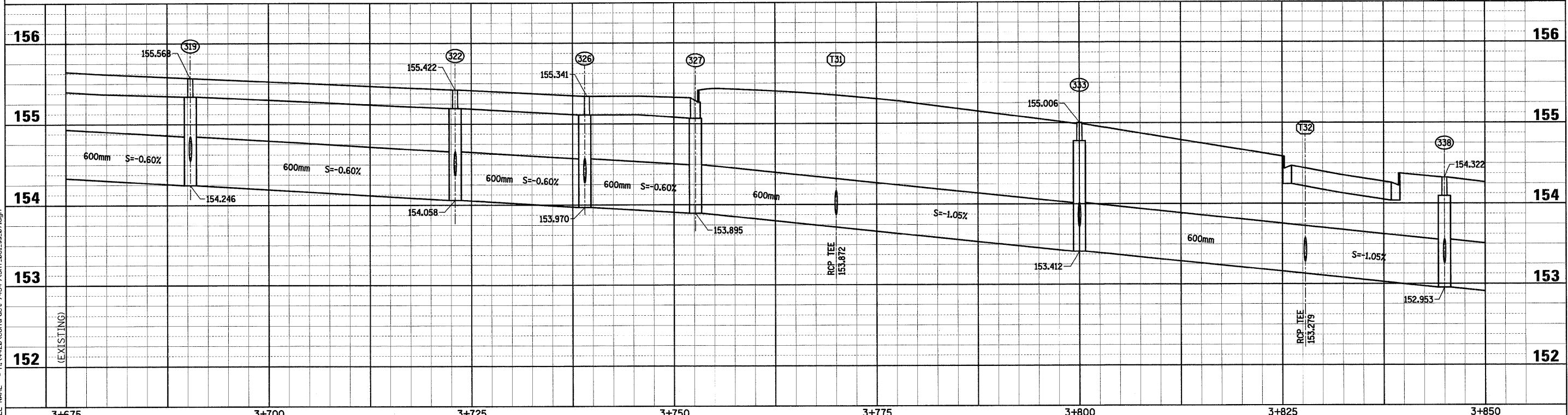
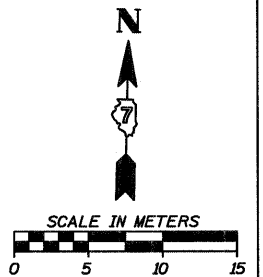
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HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	81
STA. 3+675		TO STA. 3+850		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



<p>317 INLET TY.A, TY.3 F&amp;G STA. 3+690.350, 6.375m RT. GRATE 155.593 INV. 154.601</p> <p>318 INLET TY.A, TY.3 F&amp;G STA. 3+690.350, 6.375m LT. GRATE 155.486 INV. 154.569</p> <p>319 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+690.350, 4.500m LT. SEE DETAIL FOR FRAME OFFSET TOP 155.568 INV.(E,W) 154.246 INV.(N,S) 154.551</p> <p>320 INLET TY.A, TY.3 F&amp;G STA. 3+723.000, 6.375m RT. GRATE 155.346 INV. 154.413</p>	<p>321 INLET TY.A, TY.3 F&amp;G STA. 3+723.000, 6.375m LT. GRATE 155.340 INV. 154.381</p> <p>322 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+723.000, 4.500m LT. SEE DETAIL FOR FRAME OFFSET TOP 155.422 INV.(E,W) 154.058 INV.(N,S) 154.363</p> <p>323 INLET TY.A, TY.3 F&amp;G STA. 3+739.000, 6.838m RT. GRATE 155.251 INV. 154.327</p> <p>324 INLET TY.A, TY.8 GRATE STA. 3+739.000, 10.500m LT. GRATE 155.365 INV. 154.317</p>	<p>325 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&amp;G STA. 3+737.930, 6.670m LT. GRATE 155.266 INV.(N,S) 154.300</p> <p>326 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+739.000, 4.500m LT. SEE DETAIL FOR FRAME OFFSET TOP 155.341 INV.(E,W) 153.970 INV.(N,S) 154.275</p> <p>327 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.3 F&amp;G STA. 3+752.652, 6.200m LT. SEE DETAIL FOR GRATE OFFSET GRATE 155.265 INV.(E,W) 153.895</p>	<p>328 INLET TY.A, TY.3 F&amp;G STA. 3+758.000, 4.475m RT. GRATE 155.209 INV. 154.033</p> <p>329 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&amp;G STA. 3+770.000, 4.475m RT. GRATE 155.092 INV.(N,S) 153.919</p> <p>330 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&amp;G STA. 3+770.000, 4.475m LT. GRATE 155.092 INV.(N,S) 153.879</p>	<p>331 INLET TY.A, TY.3 F&amp;G STA. 3+800.000, 4.475m RT. GRATE 154.710 INV. 153.775</p> <p>332 INLET TY.A, TY.3 F&amp;G STA. 3+800.000, 4.475m LT. GRATE 154.710 INV. 153.732</p> <p>333 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+800.000, 6.200m LT. SEE DETAIL FOR FRAME OFFSET TOP 155.006 INV.(E,W) 153.412 INV.(S) 153.717</p>	<p>334 INLET TY.A, TY.3 F&amp;G STA. 3+836.675, 12.200m LT. GRATE 154.376 INV. 153.399</p> <p>335 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&amp;G STA. 3+827.839, 10.500m LT. GRATE 154.340 INV.(E,S) 153.357</p> <p>336 INLET TY.A, TY.3 F&amp;G STA. 3+845.000, 4.475m RT. GRATE 154.125 INV. 153.315</p>	<p>337 INLET TY.A, TY.3 F&amp;G STA. 3+845.000, 4.475m LT. GRATE 154.125 INV. 153.273</p> <p>338 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+845.000, 6.200m LT. SEE DETAIL FOR FRAME OFFSET TOP 154.322 INV.(E,W) 152.953 INV.(S) 153.258</p>
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PLOT DATE = 2/5/2009  
FILE NAME = H:\4428\Contract 74349\SH1\_081.ss.07.dgn

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Chain: P\_IL33

HMG JOB NO. 4420



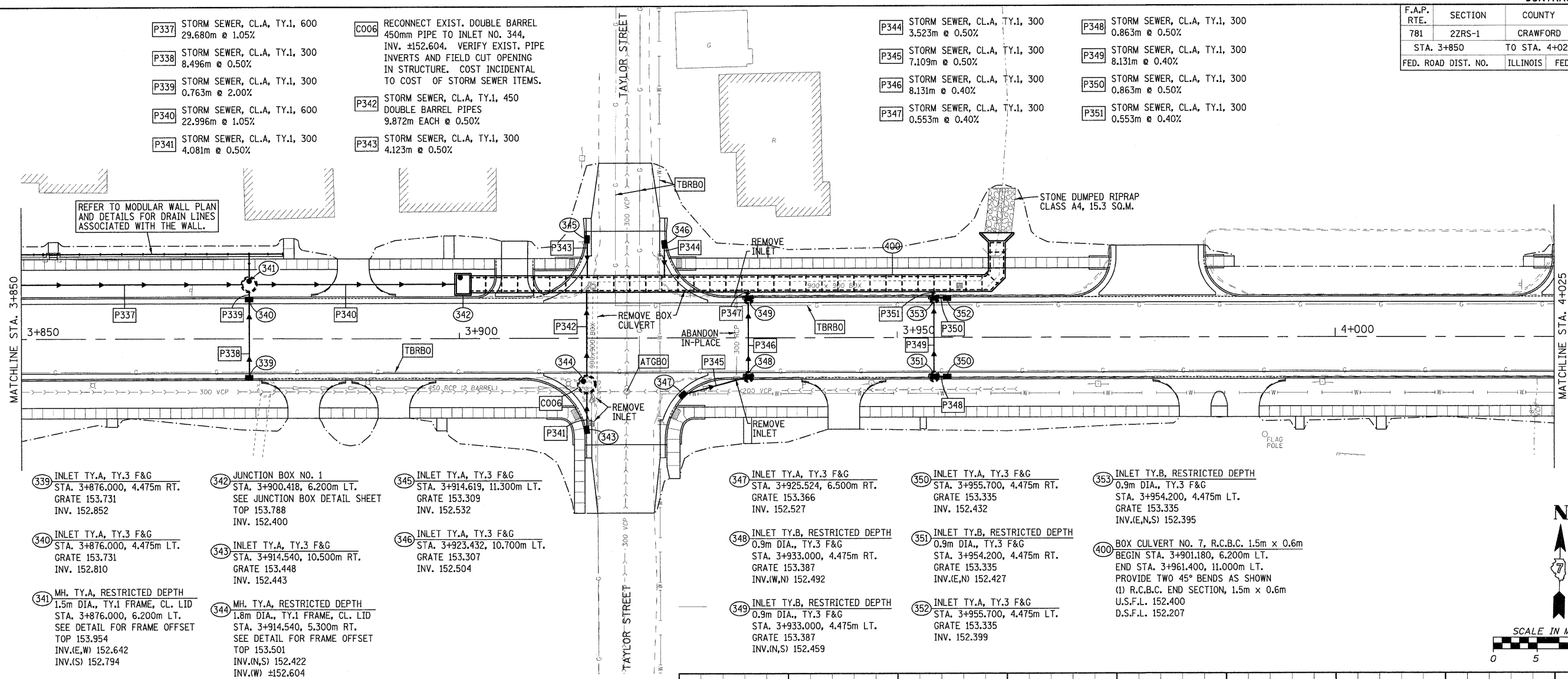
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	82
STA. 3+850		TO STA. 4+025		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- P337 STORM SEWER, CL.A, TY.1, 600 29.680m @ 1.05%
- P338 STORM SEWER, CL.A, TY.1, 300 8.496m @ 0.50%
- P339 STORM SEWER, CL.A, TY.1, 300 0.763m @ 2.00%
- P340 STORM SEWER, CL.A, TY.1, 600 22.996m @ 1.05%
- P341 STORM SEWER, CL.A, TY.1, 300 4.081m @ 0.50%

- C006 RECONNECT EXIST. DOUBLE BARREL 450mm PIPE TO INLET NO. 344, INV. ±152.604. VERIFY EXIST. PIPE INVERTS AND FIELD CUT OPENING IN STRUCTURE. COST INCIDENTAL TO COST OF STORM SEWER ITEMS.
- P342 STORM SEWER, CL.A, TY.1, 450 DOUBLE BARREL PIPES 9.872m EACH @ 0.50%
- P343 STORM SEWER, CL.A, TY.1, 300 4.123m @ 0.50%

- P344 STORM SEWER, CL.A, TY.1, 300 3.523m @ 0.50%
- P345 STORM SEWER, CL.A, TY.1, 300 7.109m @ 0.50%
- P346 STORM SEWER, CL.A, TY.1, 300 8.131m @ 0.40%
- P347 STORM SEWER, CL.A, TY.1, 300 0.553m @ 0.40%

- P348 STORM SEWER, CL.A, TY.1, 300 0.863m @ 0.50%
- P349 STORM SEWER, CL.A, TY.1, 300 8.131m @ 0.40%
- P350 STORM SEWER, CL.A, TY.1, 300 0.863m @ 0.50%
- P351 STORM SEWER, CL.A, TY.1, 300 0.553m @ 0.40%



- 339 INLET TY.A, TY.3 F&G STA. 3+876.000, 4.475m RT. GRATE 153.731 INV. 152.852
- 340 INLET TY.A, TY.3 F&G STA. 3+876.000, 4.475m LT. GRATE 153.731 INV. 152.810
- 341 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 3+876.000, 6.200m LT. SEE DETAIL FOR FRAME OFFSET TOP 153.954 INV.(E,W) 152.642 INV.(S) 152.794

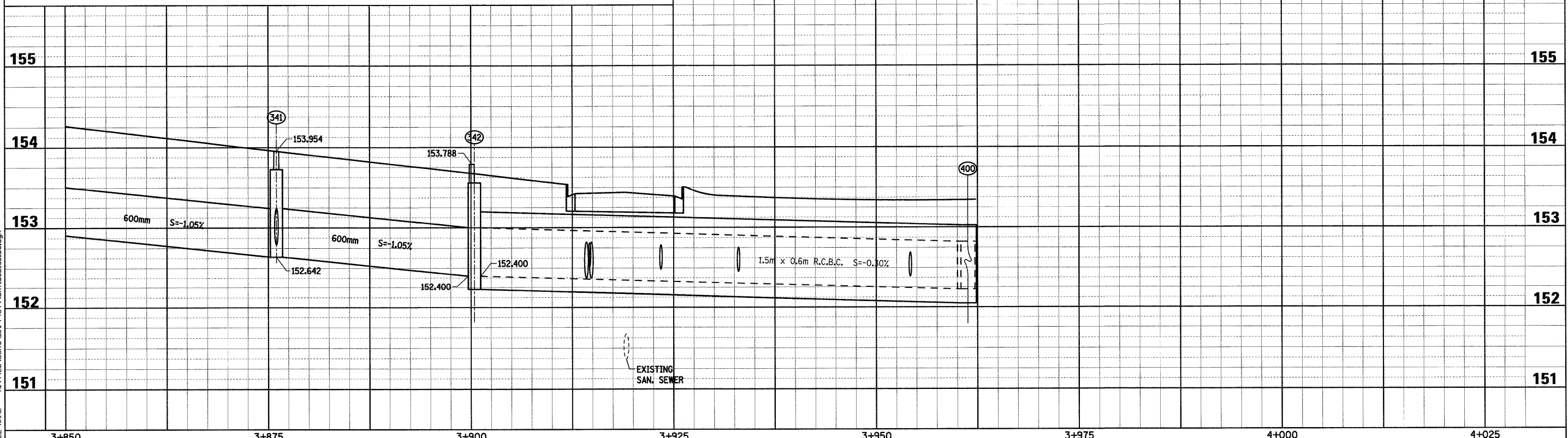
- 342 JUNCTION BOX NO. 1 STA. 3+900.418, 6.200m LT. SEE JUNCTION BOX DETAIL SHEET TOP 153.788 INV. 152.400
- 343 INLET TY.A, TY.3 F&G STA. 3+914.540, 10.500m RT. GRATE 153.448 INV. 152.443
- 344 MH. TY.A, RESTRICTED DEPTH 1.8m DIA., TY.1 FRAME, CL. LID STA. 3+914.540, 5.300m RT. SEE DETAIL FOR FRAME OFFSET TOP 153.501 INV.(N,S) 152.422 INV.(W) ±152.604

- 345 INLET TY.A, TY.3 F&G STA. 3+914.619, 11.300m LT. GRATE 153.309 INV. 152.532
- 346 INLET TY.A, TY.3 F&G STA. 3+923.432, 10.700m LT. GRATE 153.307 INV. 152.504

- 347 INLET TY.A, TY.3 F&G STA. 3+925.524, 6.500m RT. GRATE 153.366 INV. 152.527
- 348 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+933.000, 4.475m RT. GRATE 153.387 INV.(W,N) 152.492
- 349 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+933.000, 4.475m LT. GRATE 153.387 INV.(N,S) 152.459

- 350 INLET TY.A, TY.3 F&G STA. 3+955.700, 4.475m RT. GRATE 153.335 INV. 152.432
- 351 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+954.200, 4.475m RT. GRATE 153.335 INV.(E,N) 152.427
- 352 INLET TY.A, TY.3 F&G STA. 3+955.700, 4.475m LT. GRATE 153.335 INV. 152.399

- 353 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 3+954.200, 4.475m LT. GRATE 153.335 INV.(E,N,S) 152.395
- 400 BOX CULVERT NO. 7, R.C.B.C. 1.5m x 0.6m BEGIN STA. 3+901.180, 6.200m LT. END STA. 3+961.400, 11.000m LT. PROVIDE TWO 45° BENDS AS SHOWN (1) R.C.B.C. END SECTION, 1.5m x 0.6m U.S.F.L. 152.400 D.S.F.L. 152.207



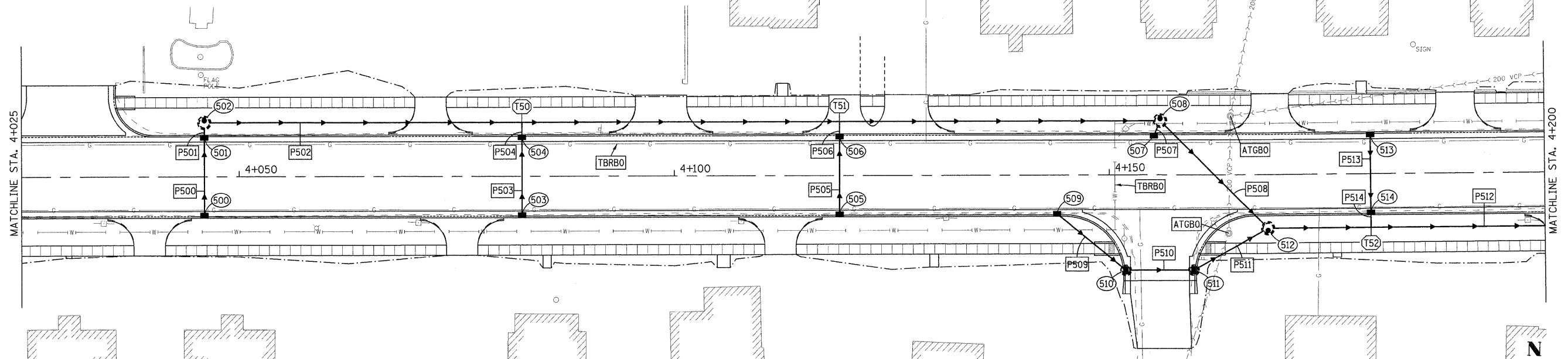
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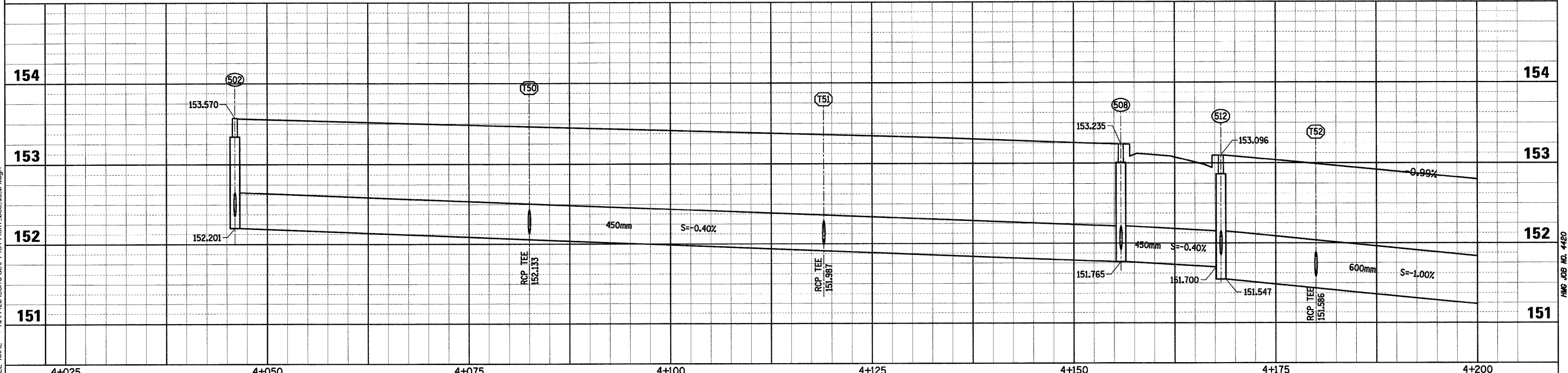
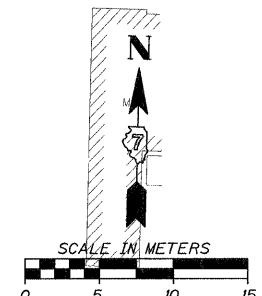
HWG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	83
STA. 4+025		TO STA. 4+200		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- |  |   |   |   |
|--|---|---|---|
| <b>P500</b> STORM SEWER, CL.A, TY.1, 300<br>8.496m @ 0.50%   | <b>P505</b> STORM SEWER, CL.A, TY.1, 300<br>8.496m @ 0.50%  | <b>P510</b> STORM SEWER, CL.A, TY.1, 300<br>6.981m @ 0.50%  | <b>T50</b> REINFORCED CONC. PIPE TEE<br>450 PIPE WITH 300 RISER |
| <b>P501</b> STORM SEWER, CL.A, TY.1, 300<br>0.923m @ 0.50%   | <b>P506</b> STORM SEWER, CL.A, TY.1, 300<br>1.498m @ 2.00%  | <b>P511</b> STORM SEWER, CL.A, TY.1, 300<br>8.806m @ 0.50%  | <b>T51</b> REINFORCED CONC. PIPE TEE<br>450 PIPE WITH 300 RISER |
| <b>P502</b> STORM SEWER, CL.A, TY.1, 450<br>108.763m @ 0.40% | <b>P507</b> STORM SEWER, CL.A, TY.1, 300<br>1.065m @ 1.00%  | <b>P512</b> STORM SEWER, CL.A, TY.1, 600<br>60.815m @ 1.00% | <b>T52</b> REINFORCED CONC. PIPE TEE<br>600 PIPE WITH 300 RISER |
| <b>P503</b> STORM SEWER, CL.A, TY.1, 300<br>8.496m @ 0.50%   | <b>P508</b> STORM SEWER, CL.A, TY.1, 450<br>16.466m @ 0.40% | <b>P513</b> STORM SEWER, CL.A, TY.1, 300<br>8.496m @ 0.50%  |   |
| <b>P504</b> STORM SEWER, CL.A, TY.1, 300<br>1.498m @ 2.00%   | <b>P509</b> STORM SEWER, CL.A, TY.1, 300<br>9.610m @ 0.50%  | <b>P514</b> STORM SEWER, CL.A, TY.1, 300<br>1.498m @ 2.00%  |   |



- |   |  |   |  |  |
|---|--|---|--|--|
| <b>500</b> INLET TY.A, TY.3 F&G<br>STA. 4+046.000, 4.475m RT.<br>GRATE 153.386<br>INV. 152.400  | <b>503</b> INLET TY.A, TY.3 F&G<br>STA. 4+082.500, 4.475m RT.<br>GRATE 153.284<br>INV. 152.206 | <b>506</b> INLET TY.A, TY.3 F&G<br>STA. 4+119.000, 4.475m LT.<br>GRATE 153.182<br>INV. 152.017  | <b>509</b> INLET TY.A, TY.3 F&G<br>STA. 4+144.000, 4.475m RT.<br>GRATE 153.094<br>INV. 151.979                                       | <b>512</b> MH. TY.A, RESTRICTED DEPTH<br>1.2m DIA., TY.1 FRAME, CL. LID<br>STA. 4+168.233, 6.200m RT.<br>SEE DETAIL FOR FRAME OFFSET<br>TOP 153.096<br>INV.(NW) 151.700<br>INV.(E) 151.547<br>INV.(SW) 151.852 |
| <b>501</b> INLET TY.A, TY.3 F&G<br>STA. 4+046.000, 4.475m LT.<br>GRATE 153.386<br>INV. 152.358  | <b>504</b> INLET TY.A, TY.3 F&G<br>STA. 4+082.500, 4.475m LT.<br>GRATE 153.284<br>INV. 152.163 | <b>507</b> INLET TY.A, TY.3 F&G<br>STA. 4+155.118, 4.475m LT.<br>GRATE 153.024<br>INV. 151.928  | <b>510</b> INLET TY.B, RESTRICTED DEPTH<br>0.9m DIA., TY.3 F&G<br>STA. 4+151.900, 11.000m RT.<br>GRATE 152.887<br>INV.(NW,E) 151.931 | <b>513</b> INLET TY.A, TY.3 F&G<br>STA. 4+180.000, 4.475m LT.<br>GRATE 152.795<br>INV. 151.658   |
| <b>502</b> MH. TY.A, RESTRICTED DEPTH<br>1.2m DIA., TY.1 FRAME, CL. LID<br>STA. 4+046.000, 6.200m LT.<br>SEE DETAIL FOR FRAME OFFSET<br>TOP 153.570<br>INV.(E) 152.201<br>INV.(S) 152.353 | <b>505</b> INLET TY.A, TY.3 F&G<br>STA. 4+119.000, 4.475m RT.<br>GRATE 153.182<br>INV. 152.060 | <b>508</b> MH. TY.A, RESTRICTED DEPTH<br>1.2m DIA., TY.1 FRAME, CL. LID<br>STA. 4+155.833, 6.200m LT.<br>SEE DETAIL FOR FRAME OFFSET<br>TOP 153.235<br>INV.(W,SE) 151.765<br>INV.(SW) 151.917 | <b>511</b> INLET TY.B, RESTRICTED DEPTH<br>0.9m DIA., TY.3 F&G<br>STA. 4+159.700, 11.000m RT.<br>GRATE 152.885<br>INV.(W,NE) 151.896 | <b>514</b> INLET TY.A, TY.3 F&G<br>STA. 4+180.000, 4.475m RT.<br>GRATE 152.795<br>INV. 151.616   |



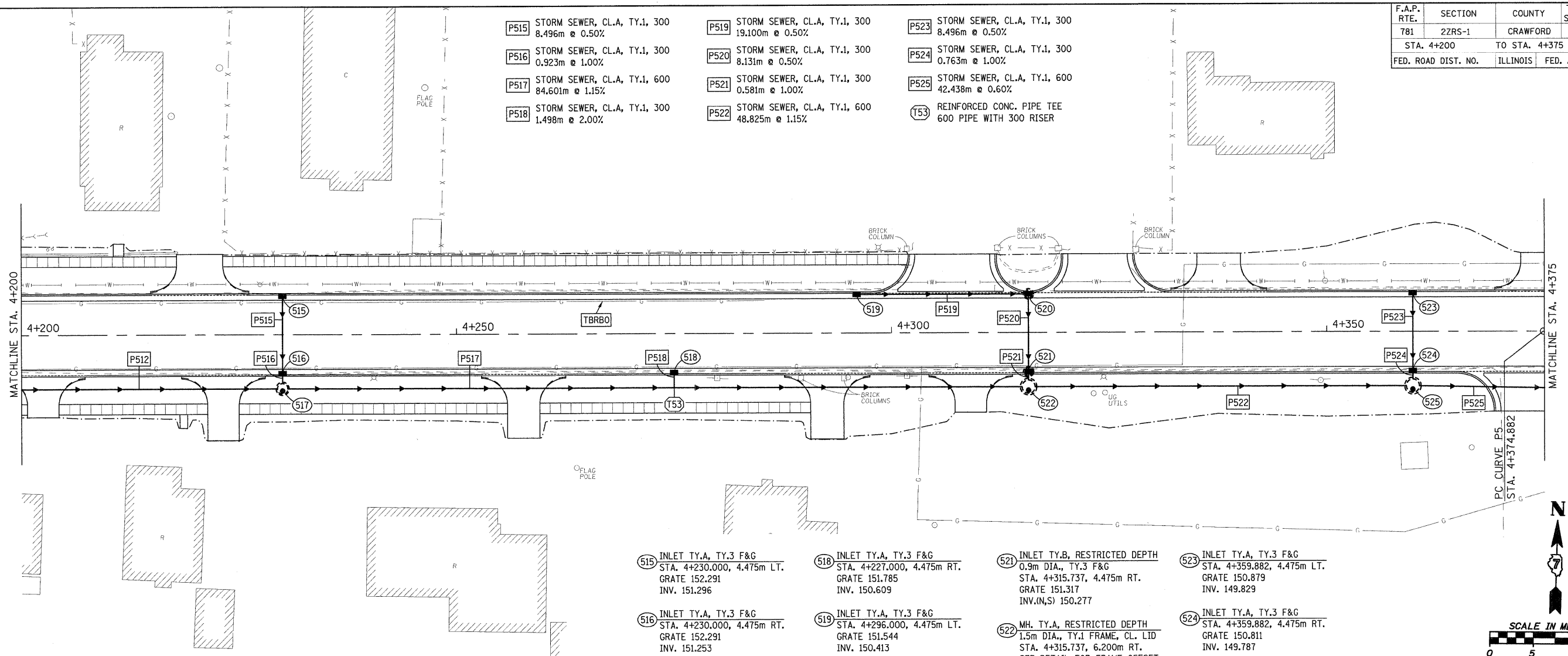
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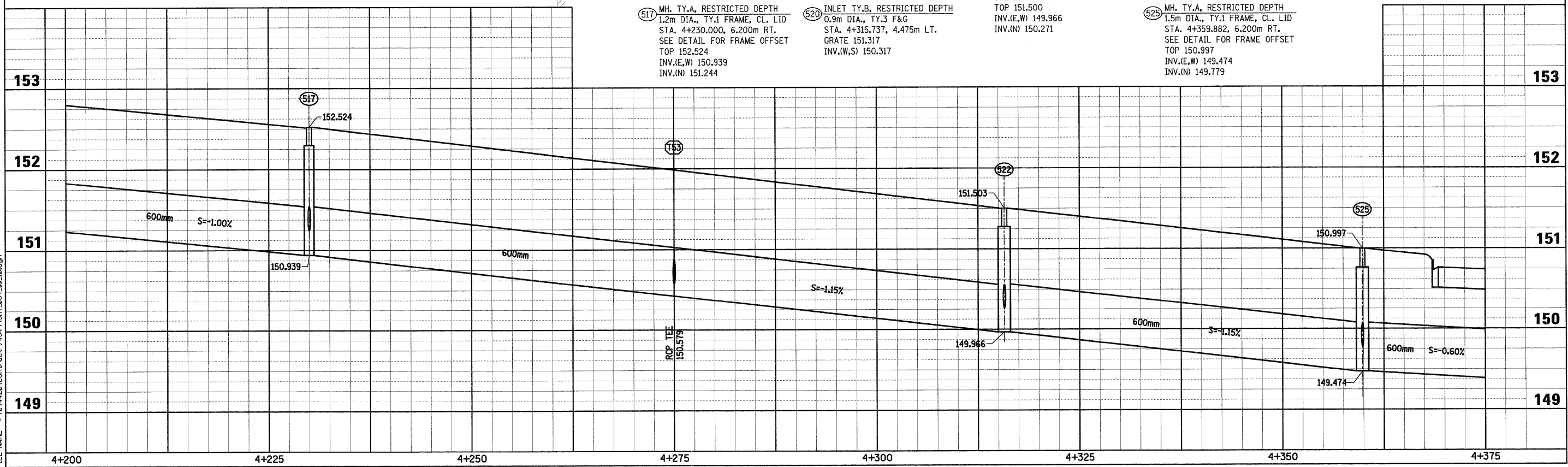
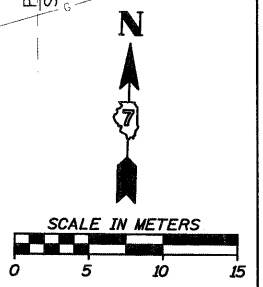
HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	84
STA. 4+200		TO STA. 4+375		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- P515 STORM SEWER, CL.A, TY.1, 300 8.496m @ 0.50%
- P516 STORM SEWER, CL.A, TY.1, 300 0.923m @ 1.00%
- P517 STORM SEWER, CL.A, TY.1, 600 84.601m @ 1.15%
- P518 STORM SEWER, CL.A, TY.1, 300 1.498m @ 2.00%
- P519 STORM SEWER, CL.A, TY.1, 300 19.100m @ 0.50%
- P520 STORM SEWER, CL.A, TY.1, 300 8.131m @ 0.50%
- P521 STORM SEWER, CL.A, TY.1, 300 0.581m @ 1.00%
- P522 STORM SEWER, CL.A, TY.1, 600 48.825m @ 1.15%
- P523 STORM SEWER, CL.A, TY.1, 300 8.496m @ 0.50%
- P524 STORM SEWER, CL.A, TY.1, 300 0.763m @ 1.00%
- P525 STORM SEWER, CL.A, TY.1, 600 42.438m @ 0.60%
- T53 REINFORCED CONC. PIPE TEE 600 PIPE WITH 300 RISER



- 515 INLET TY.A, TY.3 F&G STA. 4+230.000, 4.475m LT. GRATE 152.291 INV. 151.296
- 516 INLET TY.A, TY.3 F&G STA. 4+230.000, 4.475m RT. GRATE 152.291 INV. 151.253
- 517 MH. TY.A, RESTRICTED DEPTH 1.2m DIA., TY.1 FRAME, CL. LID STA. 4+230.000, 6.200m RT. SEE DETAIL FOR FRAME OFFSET TOP 152.524 INV.(E,W) 150.939 INV.(N) 151.244
- 518 INLET TY.A, TY.3 F&G STA. 4+227.000, 4.475m RT. GRATE 151.785 INV. 150.609
- 519 INLET TY.A, TY.3 F&G STA. 4+296.000, 4.475m LT. GRATE 151.544 INV. 150.413
- 520 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 4+315.737, 4.475m LT. GRATE 151.317 INV.(W,S) 150.317
- 521 INLET TY.B, RESTRICTED DEPTH 0.9m DIA., TY.3 F&G STA. 4+315.737, 4.475m RT. GRATE 151.317 INV.(N,S) 150.277
- 522 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 4+315.737, 6.200m RT. SEE DETAIL FOR FRAME OFFSET TOP 151.500 INV.(E,W) 149.966 INV.(N) 150.271
- 523 INLET TY.A, TY.3 F&G STA. 4+359.882, 4.475m LT. GRATE 150.879 INV. 149.829
- 524 INLET TY.A, TY.3 F&G STA. 4+359.882, 4.475m RT. GRATE 150.811 INV. 149.787
- 525 MH. TY.A, RESTRICTED DEPTH 1.5m DIA., TY.1 FRAME, CL. LID STA. 4+359.882, 6.200m RT. SEE DETAIL FOR FRAME OFFSET TOP 150.997 INV.(E,W) 149.474 INV.(N) 149.779

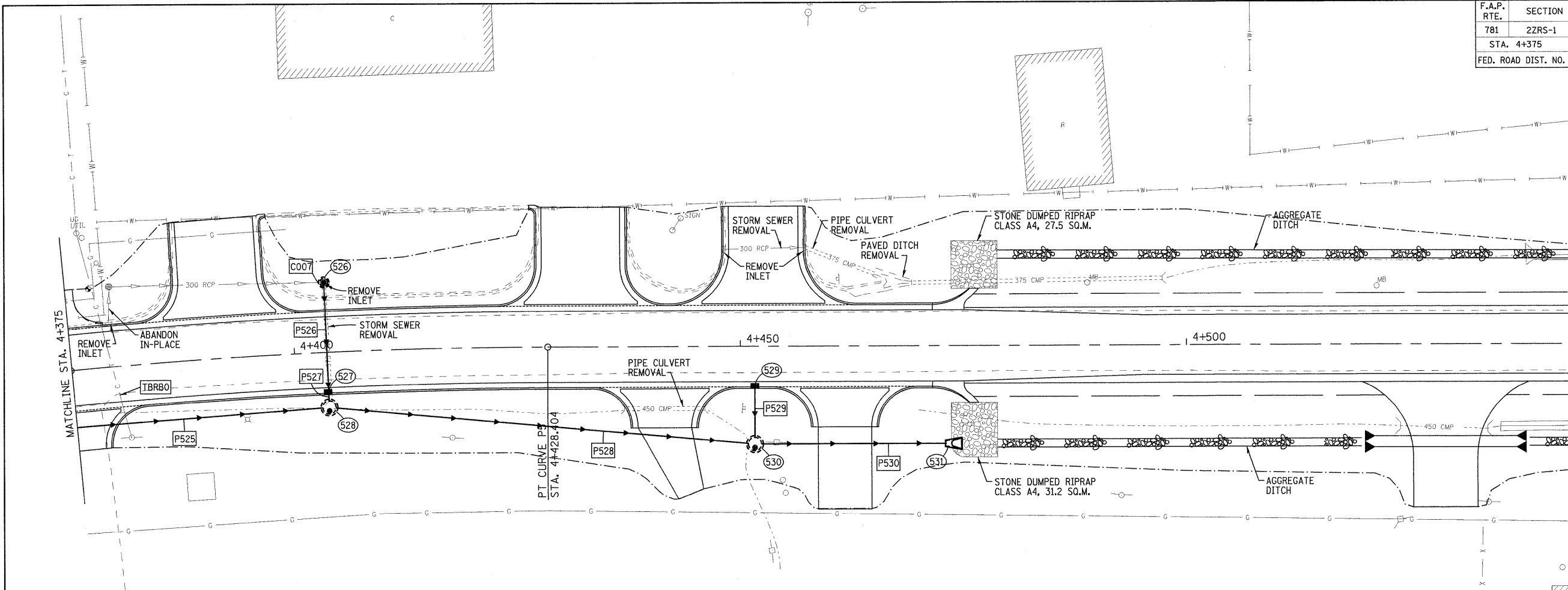


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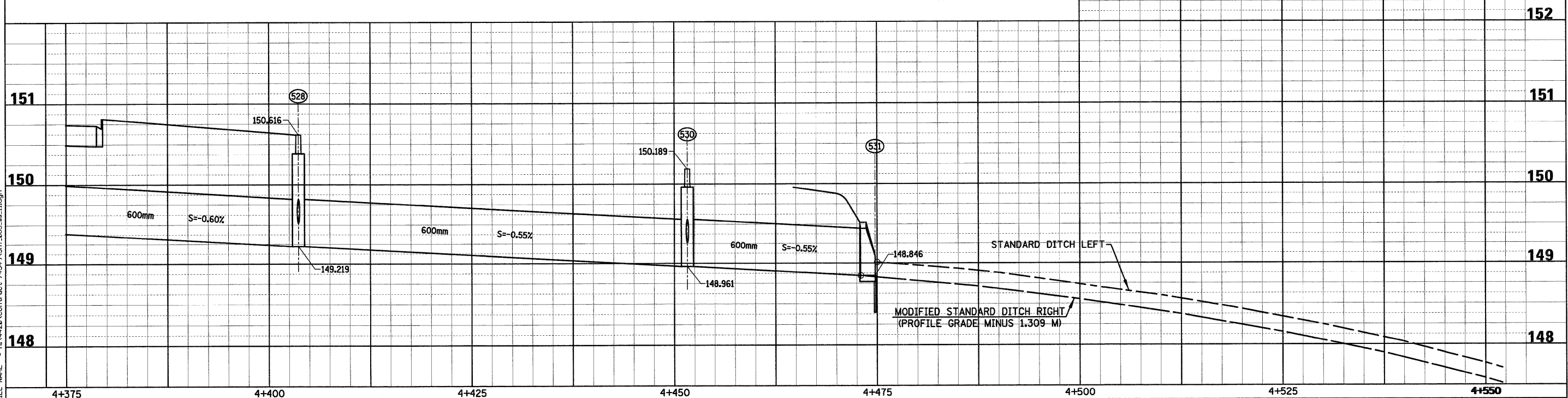
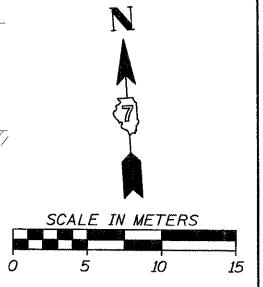
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	85
STA. 4+375		TO STA. 4+550		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- 526 INLET TY.B, RESTRICTED DEPTH  
0.9m DIA., TY.8 GRATE  
STA. 4+403.640, 7.860m LT.  
GRATE 150.650  
INV.(W) 149.619  
INV.(S) 149.588
- 527 INLET TY.B, RESTRICTED DEPTH  
0.9m DIA., TY.3 F&G  
STA. 4+403.640, 4.475m RT.  
GRATE 150.430  
INV.(N,S) 149.530
- 528 MH. TY.A, RESTRICTED DEPTH  
1.5m DIA., TY.1 FRAME, CL. LID  
STA. 4+403.640, 6.200m RT.  
SEE DETAIL FOR FRAME OFFSET  
TOP 150.616  
INV.(E,W) 149.219  
INV.(N) 149.524
- 529 INLET TY.A, TY.3 F&G  
STA. 4+451.600, 4.475m RT.  
GRATE 150.172  
INV. 149.294
- 530 MH. TY.A, RESTRICTED DEPTH  
1.5m DIA., TY.1 FRAME, CL. LID  
STA. 4+451.600, 11.000m RT.  
SEE DETAIL FOR FRAME OFFSET  
TOP 150.189  
INV.(E,W) 148.961  
INV.(N) 149.266
- 531 P.R.C. FLARED END SECTION, 600  
STA. 4+474.750, 11.000m RT.  
INV. 148.846
- C007 RECONNECT EXIST. 300mm PIPE  
TO INLET NO. 526, INV. ±149.619.  
VERIFY EXIST. PIPE INVERT AND  
FIELD CUT OPENING IN STRUCTURE.  
COST INCIDENTAL TO COST OF  
STORM SEWER ITEMS.
- P526 STORM SEWER, CL.A, TY.1, 300  
11.516m @ 0.50%
- P527 STORM SEWER, CL.A, TY.1, 300  
0.581m @ 1.00%
- P528 STORM SEWER, CL.A, TY.1, 600  
46.880m @ 0.55%
- P529 STORM SEWER, CL.A, TY.1, 300  
5.563m @ 0.50%
- P530 STORM SEWER, CL.A, TY.1, 600  
20.761m @ 0.55%

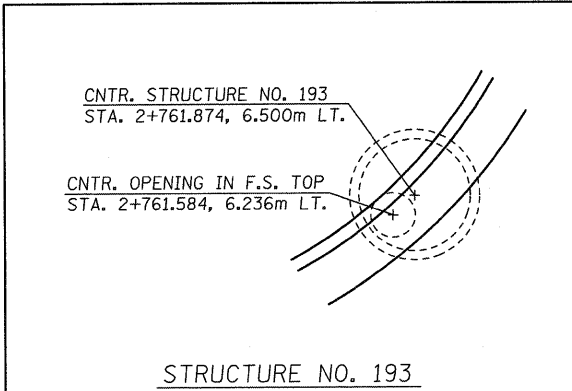


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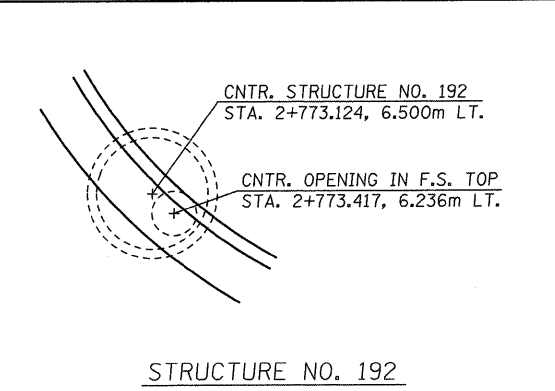
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HMG JOB NO. 4420

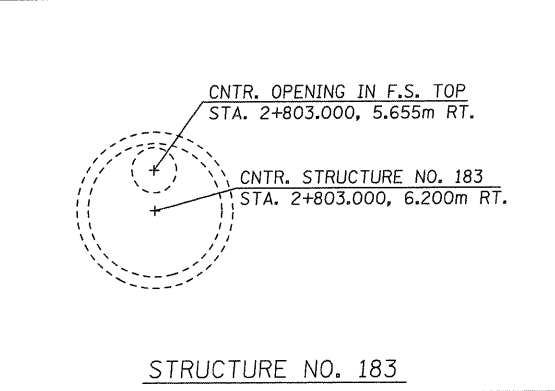
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	86
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



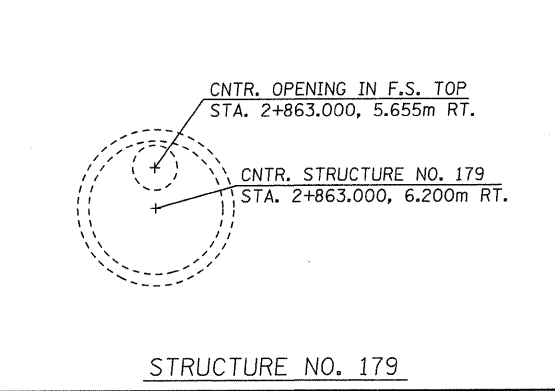
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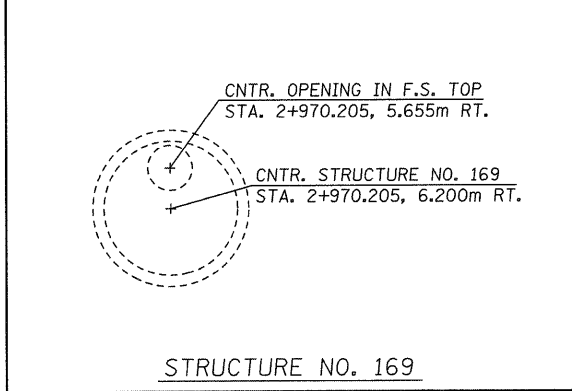
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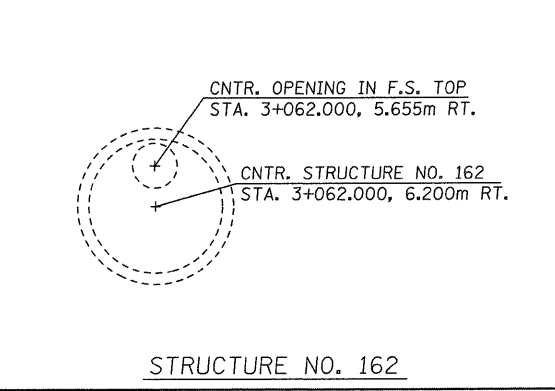
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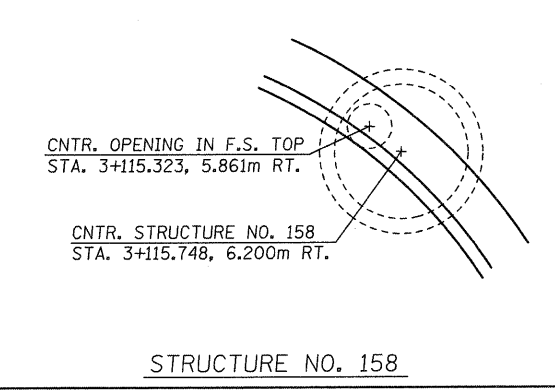
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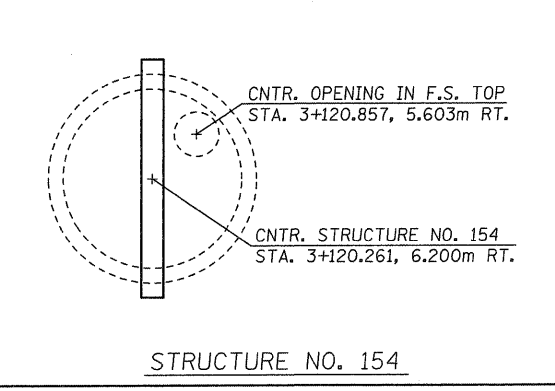
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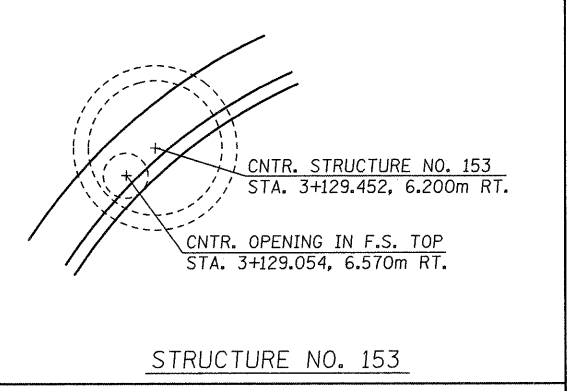
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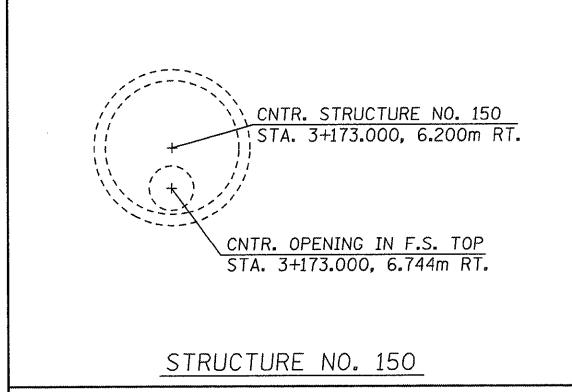
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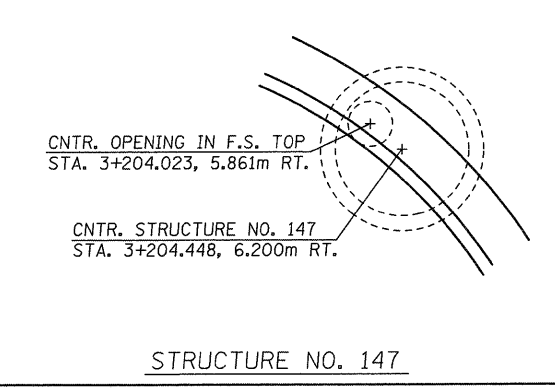
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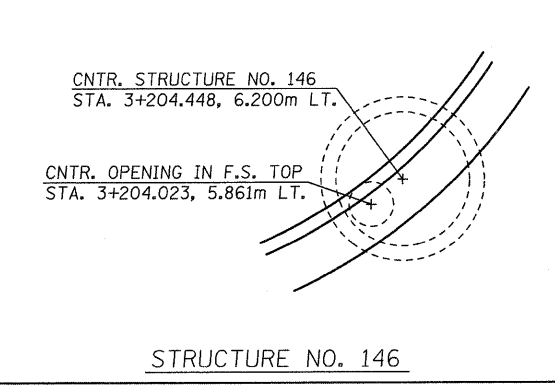
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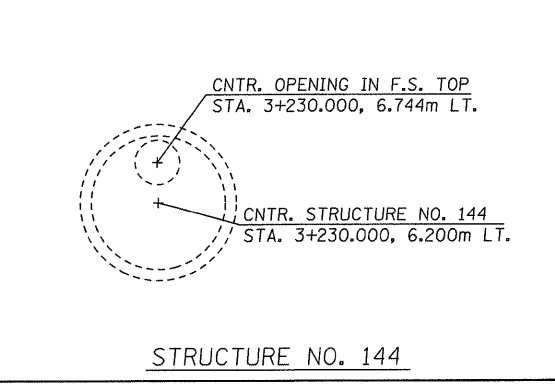
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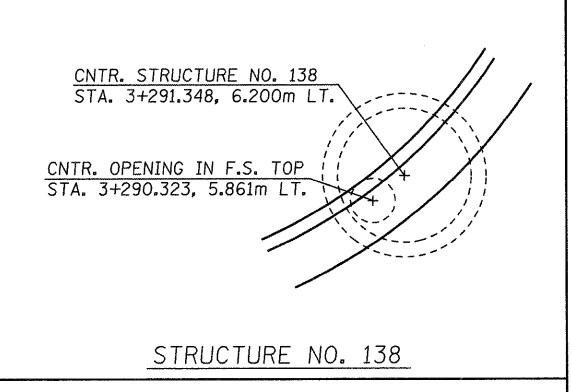
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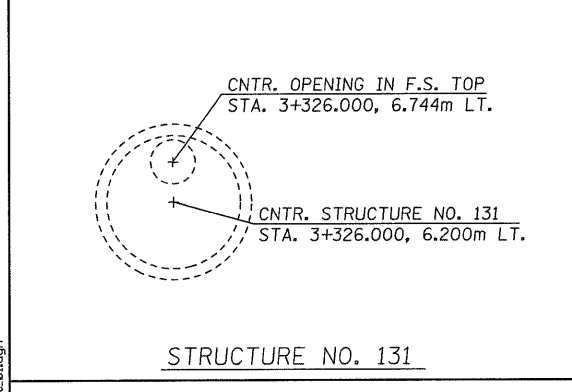
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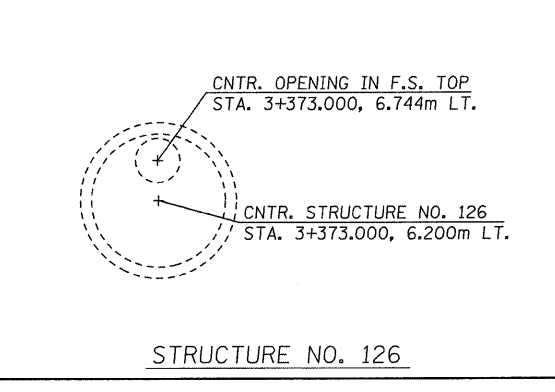
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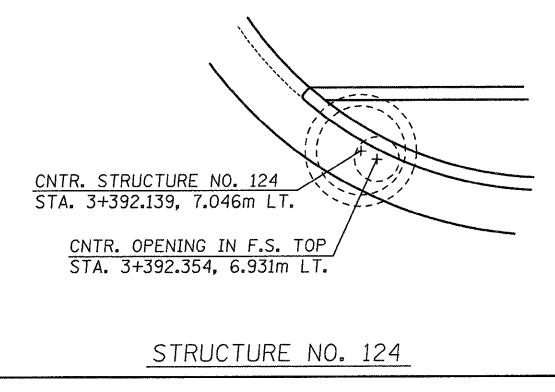
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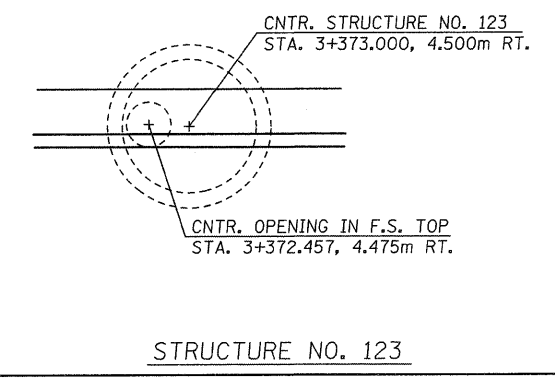
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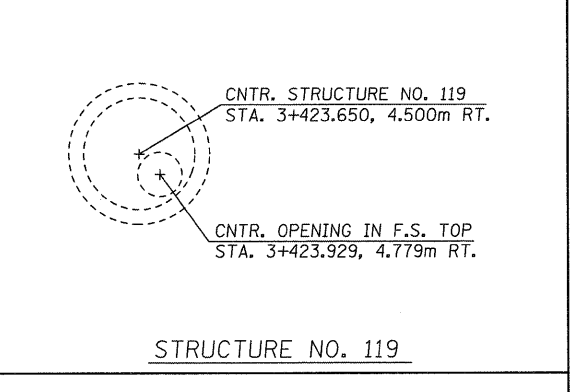
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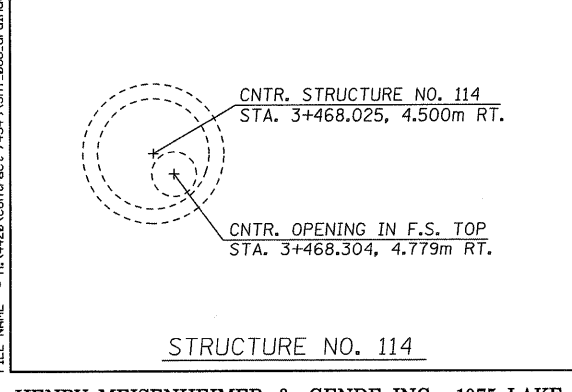
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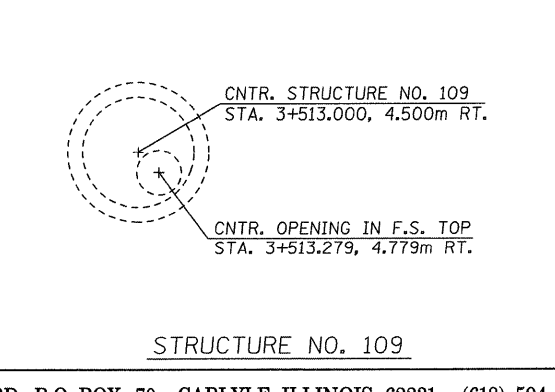
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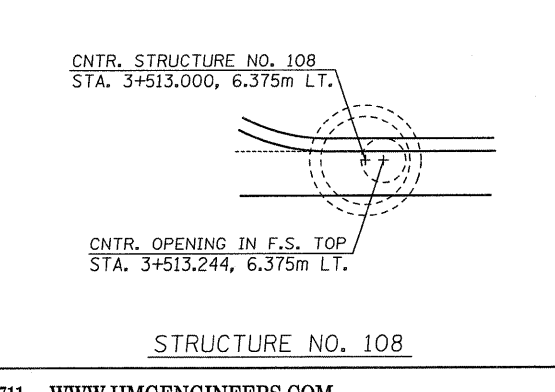
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STRUCTURE NO. 114



STRUCTURE NO. 109



STRUCTURE NO. 108

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

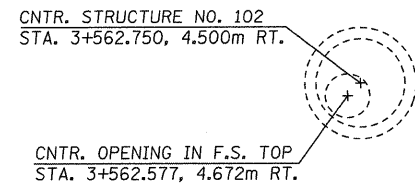
**STORM SEWER DETAILS**

SCALE NO SCALE      DRAWN BY EDW  
 DATE FEBRUARY 6, 2009      CHECKED BY LWJ

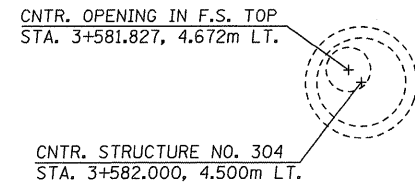
PLOT DATE = 2/5/2009  
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H. M. & G. NO. 4420

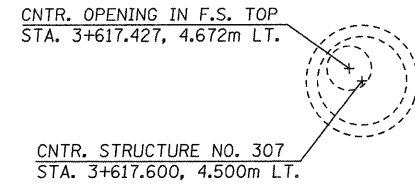
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	87
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



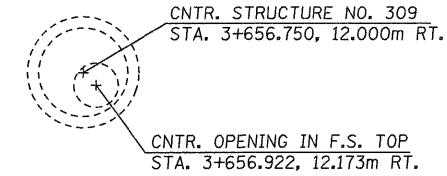
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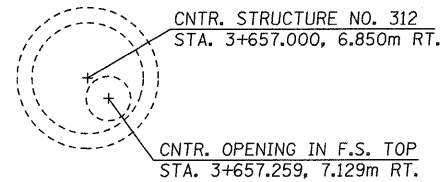
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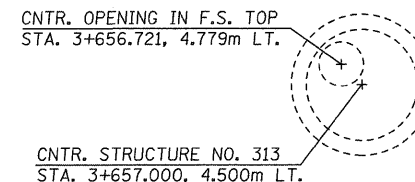
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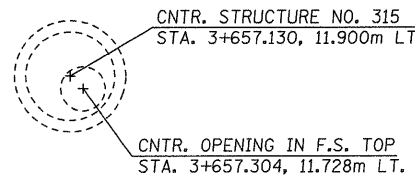
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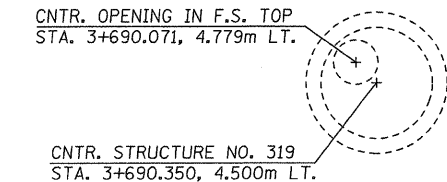
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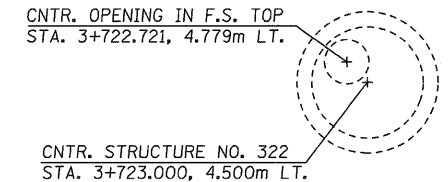
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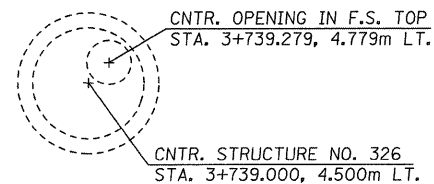
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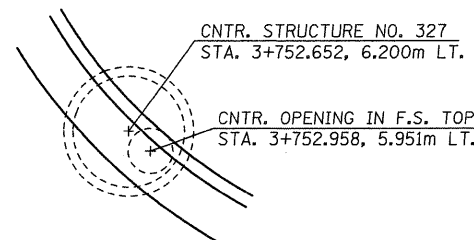
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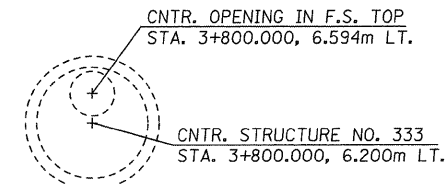
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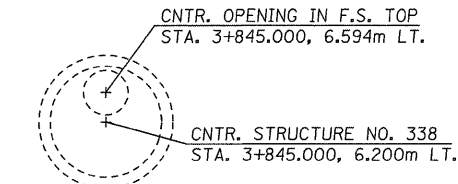
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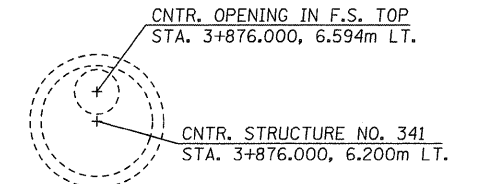
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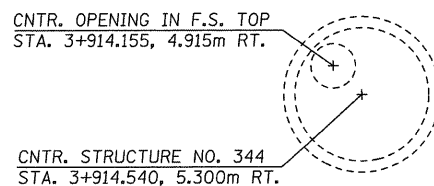
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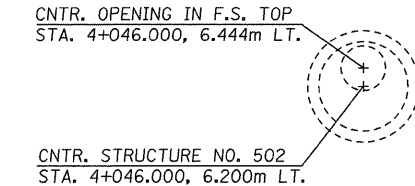
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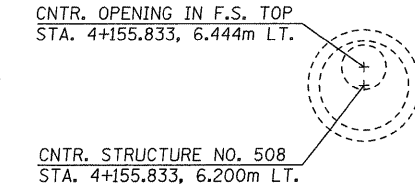
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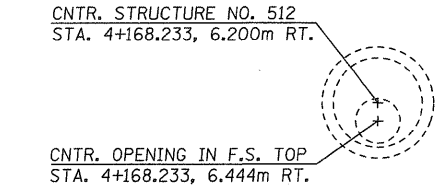
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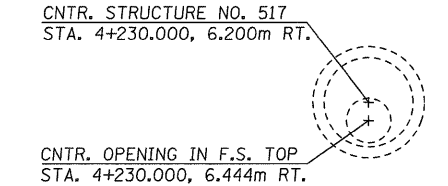
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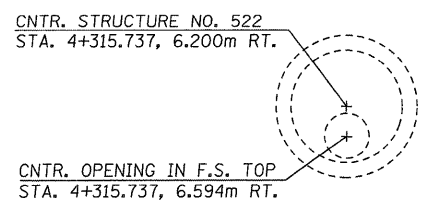
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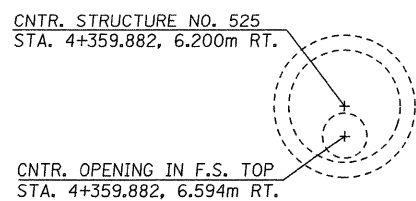
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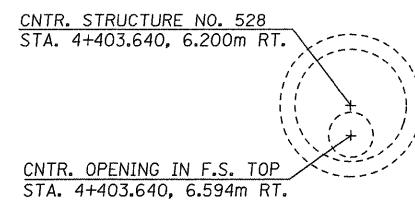
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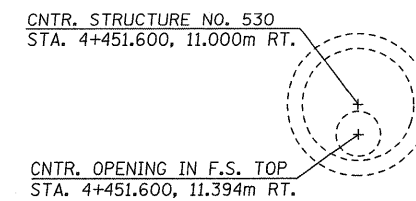
STRUCTURE NO. 522



STRUCTURE NO. 525



STRUCTURE NO. 528



STRUCTURE NO. 530

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**STORM SEWER DETAILS**

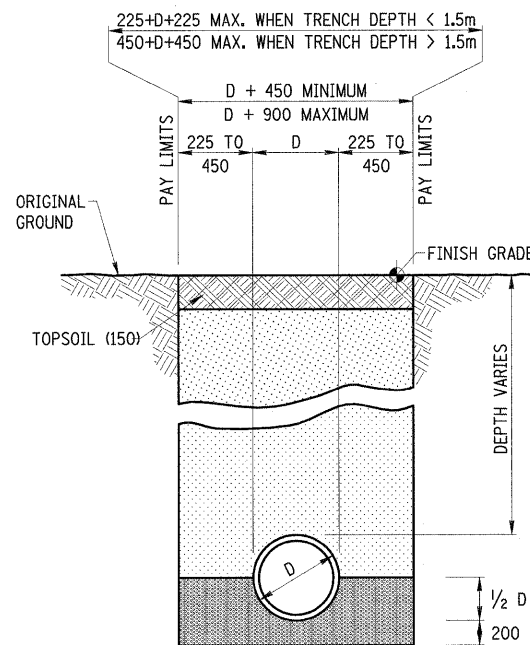
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DATE FEBRUARY 6, 2009      CHECKED BY LWJ

PLOT DATE = 2/5/2009  
FILE NAME = H:\V4428\Contract 74349\SHI\_087\_dra\sheet\_087.dgn

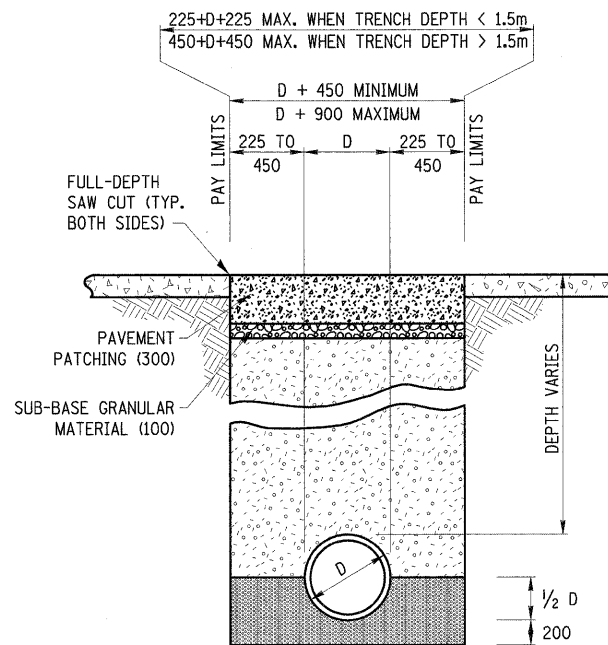
H. M. & G. NO. 4420



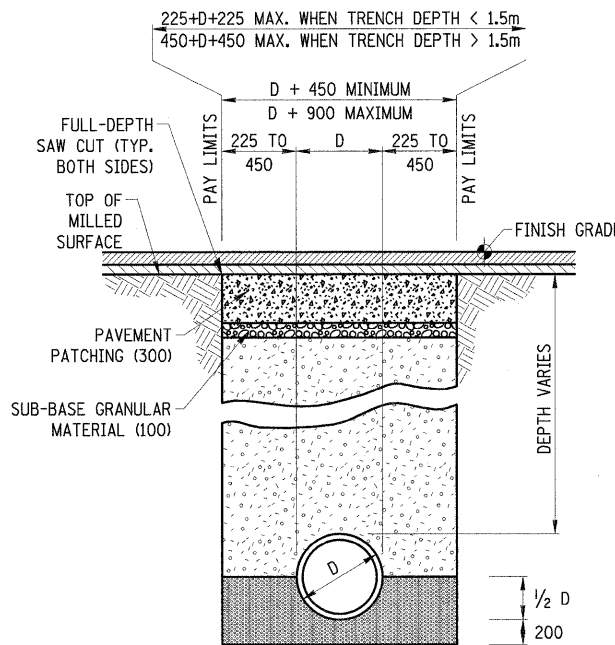
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	89
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**TRENCHING DETAIL UNDER UNPAVED AREAS**



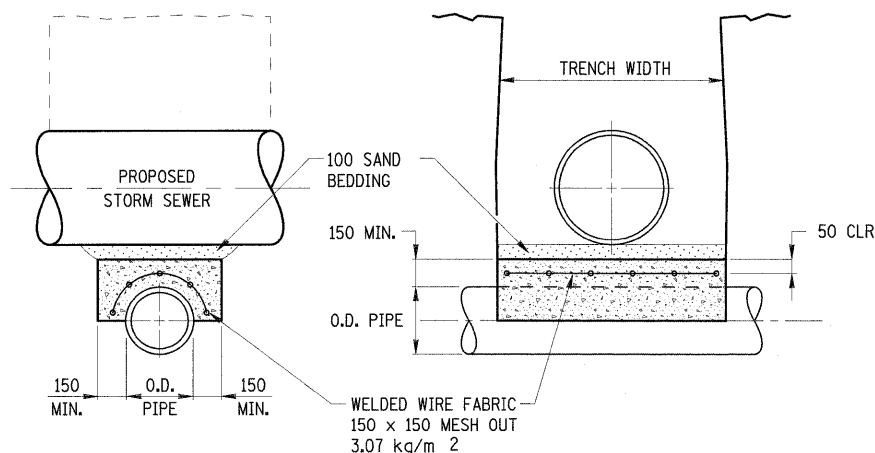
**TRENCHING DETAIL UNDER EXIST. PAVEMENT SURFACES**



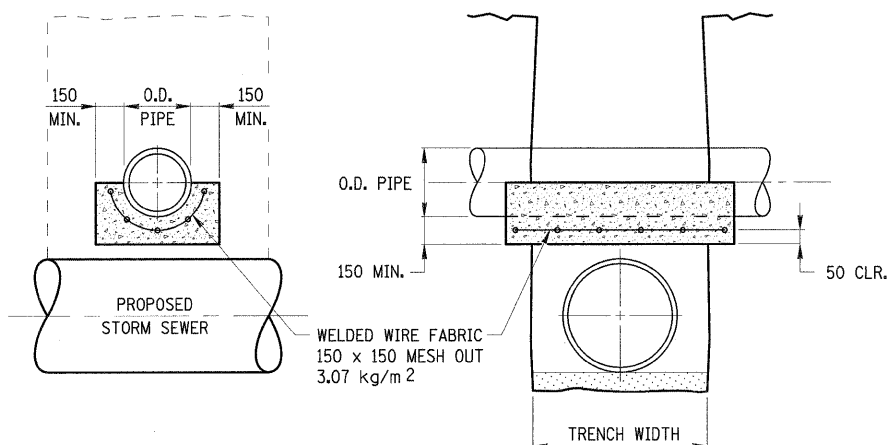
**TRENCHING DETAIL UNDER PROPOSED IMPROVEMENTS**

**LEGEND**

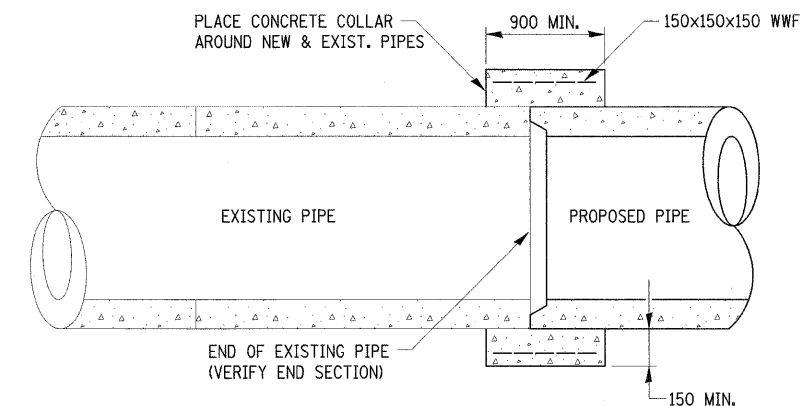
- FINAL BACKFILL**  
EXCAVATED MATERIAL IN OTHER LOCATIONS (INCLUDED IN COST OF PIPE)
- FINAL BACKFILL**  
TRENCH BACKFILL PER 550.07 AND 208.01 OF THE STANDARD SPECIFICATIONS (PAY ITEM)
- BEDDING/CRADLE**  
SELECT GRANULAR BACKFILL PER 550.04 AND 550.07 OF THE STANDARD SPECIFICATIONS (INCLUDED IN COST OF PIPE)



**DETAIL - CONCRETE COVER FOR EXISTING UTILITIES**



**DETAIL - CONCRETE CRADLE FOR EXISTING UTILITIES**



**CONCRETE COLLAR DETAIL**

**NOTES**

- CONCRETE CRADLES, COVERS AND COLLARS ARE TO BE PROVIDED AT LOCATIONS DESIGNATED BY THE ENGINEER WHERE THE PROPOSED STORM SEWER CROSSES EXISTING SANITARY SEWER, COMMUNICATION LINES, GAS LINES, AND/OR WATER LINES IN SUFFICIENT PROXIMITY THAT DEFLECTION OF THE EXISTING MAY OCCUR.
- THE COST OF THE CONCRETE CRADLES, COVERS AND COLLARS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER FOR CLASS SI CONCRETE (SPECIAL).
- THE WELDED WIRE FABRIC AND SAND BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY. THE COST FOR THESE ITEMS SHALL BE INCLUDED IN THE COST OF CLASS SI CONCRETE (SPECIAL).
- WOOD OR METAL FORMS WILL NOT BE REQUIRED.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

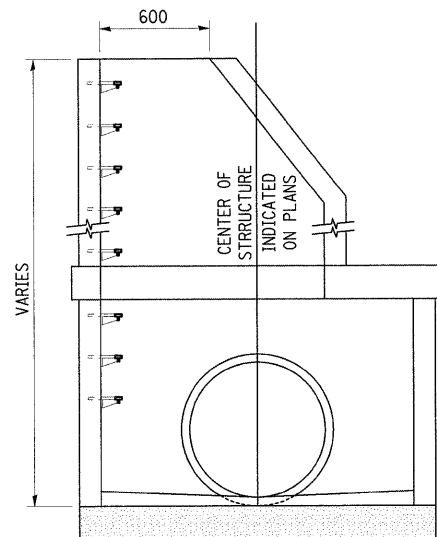
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>STORM SEWER DETAILS</b>  SCALE NO SCALE      DRAWN BY EDW DATE FEBRUARY 6, 2009      CHECKED BY LWJ

PLOT DATE = 2/6/2009 FILE NAME = H:\4420\Contract 74349\SHF\_089.draindet.dwg

H. M. & C. NO. 4420

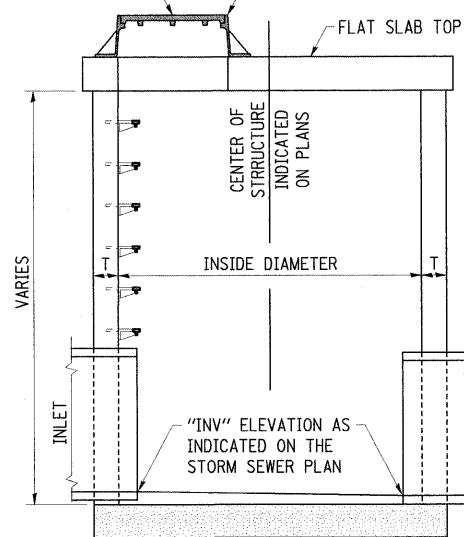
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	ZZRS-1	CRAWFORD	191	90
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

IF DEPTH PERMITS, CONTRACTOR HAS THE OPTION TO USE A CORBELED MANHOLE, TYPE A AS A "RESTRICTED DEPTH MANHOLE" AS SHOWN HERE



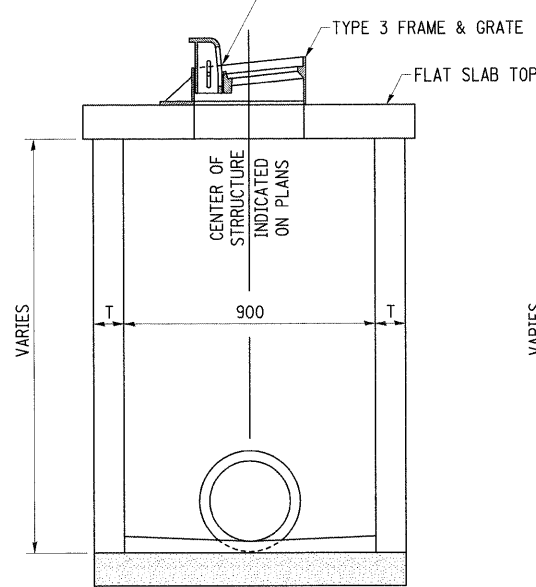
RESTRICTED DEPTH MANHOLE

"TOP" ELEVATION AS INDICATED ON THE STORM SEWER PLAN



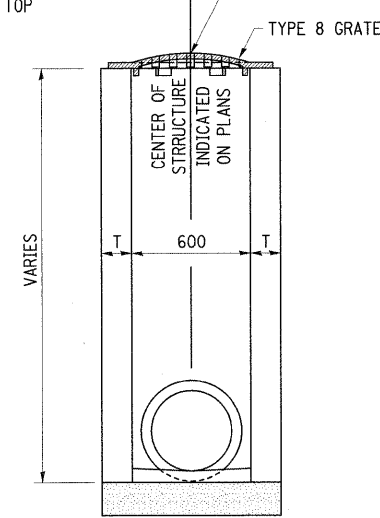
TYPE B INLET

"GRATE" ELEVATION AS INDICATED ON THE STORM SEWER PLAN



TYPE A INLET

"TOP" ELEVATION AS INDICATED ON THE STORM SEWER PLAN



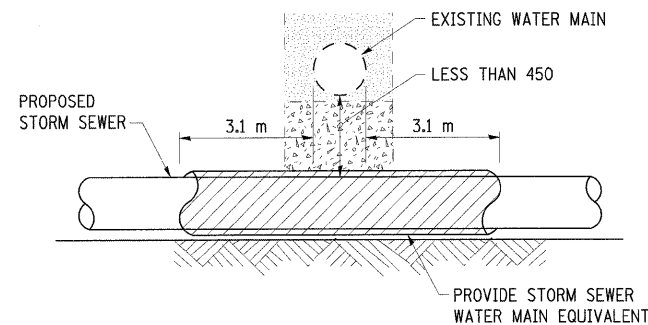
STORM SEWER CONSTRUCTION NOTES

- BEFORE ORDERING PIPE CULVERTS, PIPE DRAINS, MANHOLES, INLETS, STORM SEWERS OR OTHER DRAINAGE STRUCTURES, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER FOR EXACT LENGTHS, DIMENSIONS, INVERTS AND ALIGNMENTS AND SUBMIT REQUIRED SHOP DRAWINGS.
- CARE SHOULD BE EXERCISED IN CONSTRUCTION OF MANHOLE STRUCTURES TO BE LOCATED UNDER PERMANENT SURFACES DUE TO MINOR ELEVATION ADJUSTMENTS IN THE FIELD. THE CONTRACTOR IS ADVISED TO CAST STRUCTURES TO ACCOMMODATE SUCH MINOR ADJUSTMENTS. USE OF ADJUSTING RINGS IS RECOMMENDED.
- NOTE THAT ALL OF THE TYPE B INLETS REQUIRE FLAT SLAB TOPS WITH THE CENTER OF THE 600mm OPENING ALIGNED WITH THE CENTER OF THE STRUCTURE.
- "RESTRICTED DEPTH MANHOLES", OF THE DIAMETER SPECIFIED, REFER TO 1.2m, 1.5m, 1.8m OR 2.4m DIAMETER MANHOLES REQUIRING FLAT SLAB TOPS AND A 600mm I.D. RISER OF VARYING DEPTH IF THE OVERALL DEPTH WILL ALLOW FOR A RISER.
- THE STATION AND OFFSET SHOWN ON THE STORM SEWER PLAN IS FOR THE LOCATION OF THE CENTER OF THE STRUCTURE. THIS IS NOT NECESSARILY THE CENTER OF THE 600mm OPENING. REFER TO THE STRUCTURE OFFSET DETAIL SHEETS FOR THE EXACT LAYOUT.

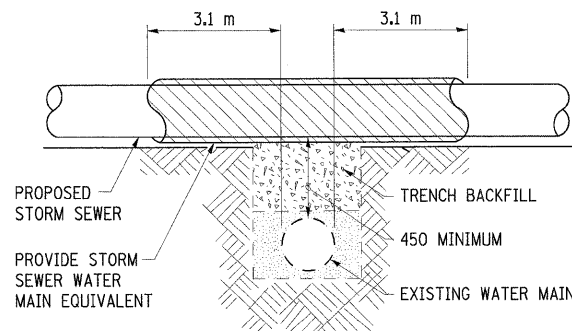
STRUCTURE POINT-OF-GRADE DETAILS

POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN

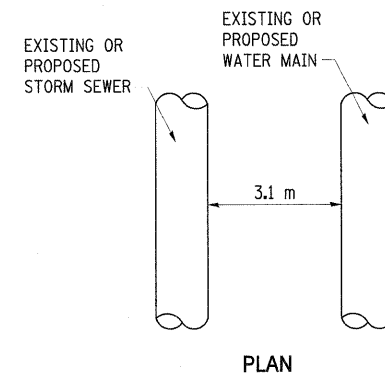
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH



PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

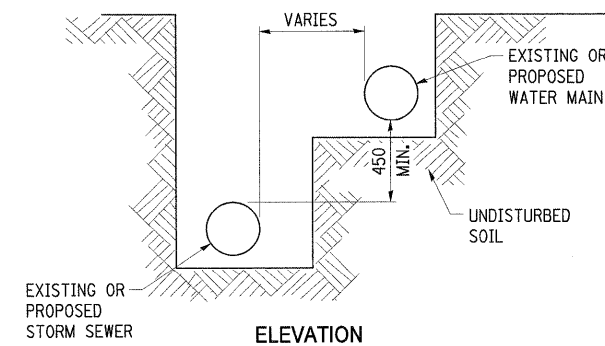


WHEN PROPOSED SEWER (OR WATER) IS LOCATED 3.1 m OR MORE FROM EXISTING WATER (OR SEWER) NO SPECIAL CONSTRUCTION IS REQUIRED



PLAN

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 3.1 m FROM EXISTING WATER (OR SEWER), THE DETAILS TO THE LEFT SHALL APPLY

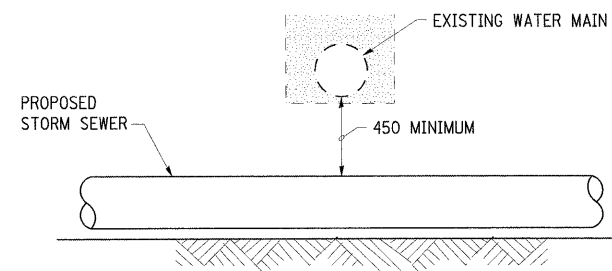


ELEVATION

WATER AND SEWER HORIZONTAL SEPARATION REQUIREMENTS

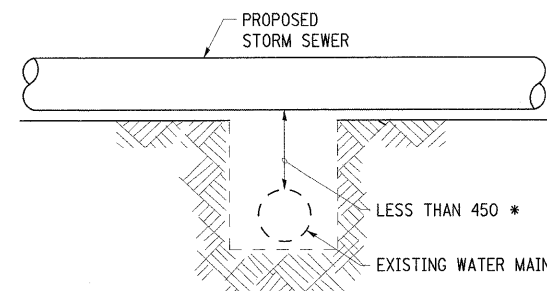
POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH



PROPOSED SEWER LINE BELOW EXISTING WATER MAIN

PLACEMENT OF OR EXISTING WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 450 MINIMUM VERTICAL SEPARATION NOT ALLOWED.



PROPOSED SEWER LINE ABOVE EXISTING WATER MAIN

\* NOT ALLOWED. MUST MAINTAIN 450 VERTICAL SEPARATION

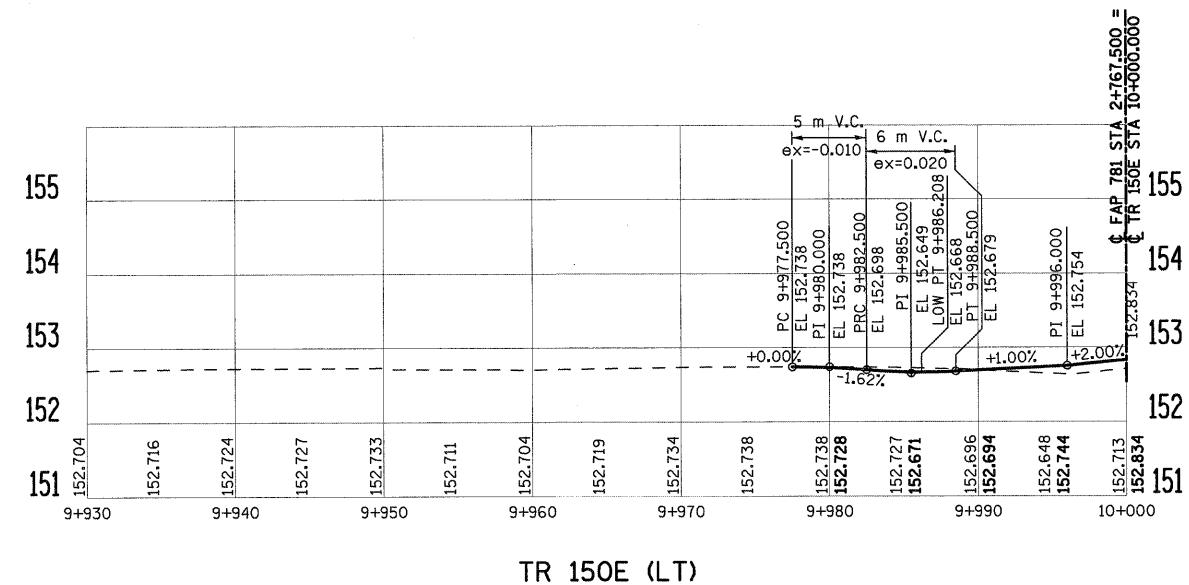
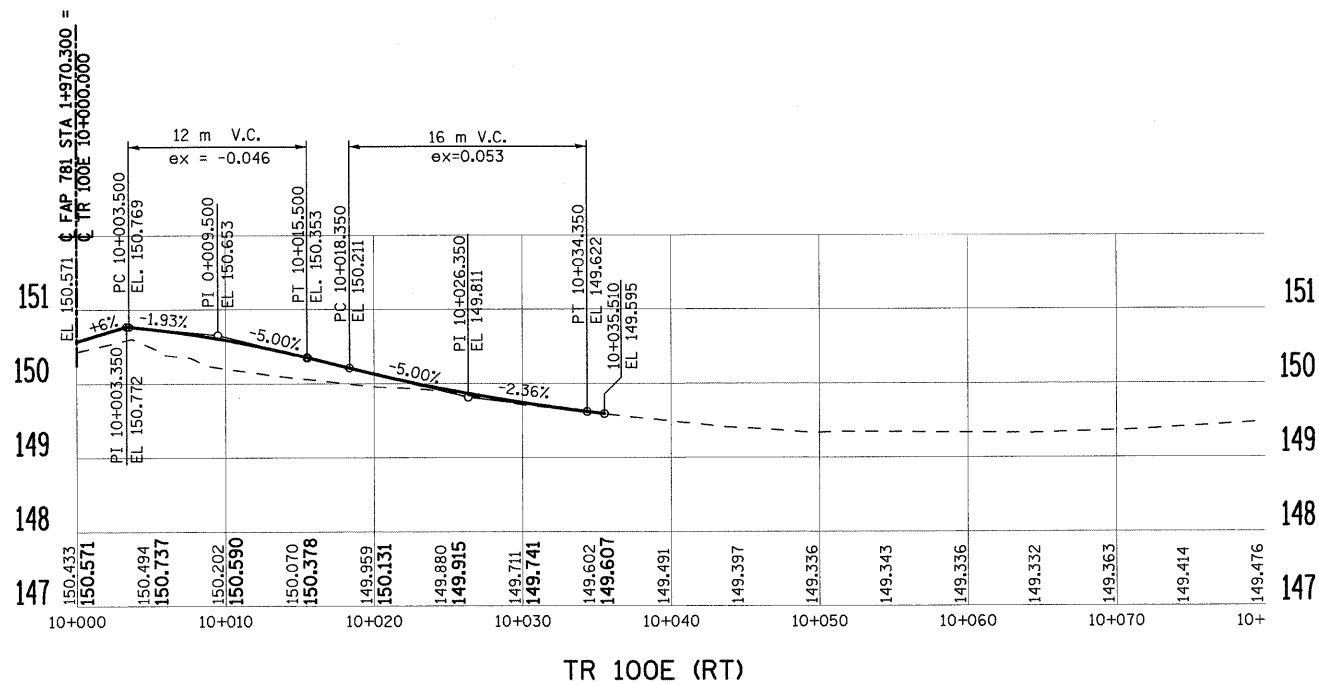
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p><b>STORM SEWER DETAILS</b></p> <p>SCALE NO SCALE      DRAWN BY EDW</p> <p>DATE FEBRUARY 6, 2009      CHECKED BY LWJ</p>

PLOT DATE = 2/5/2009  
FILE NAME = H:\4420\Contract 74349\BHT\_099\_draandst\_05.dgn



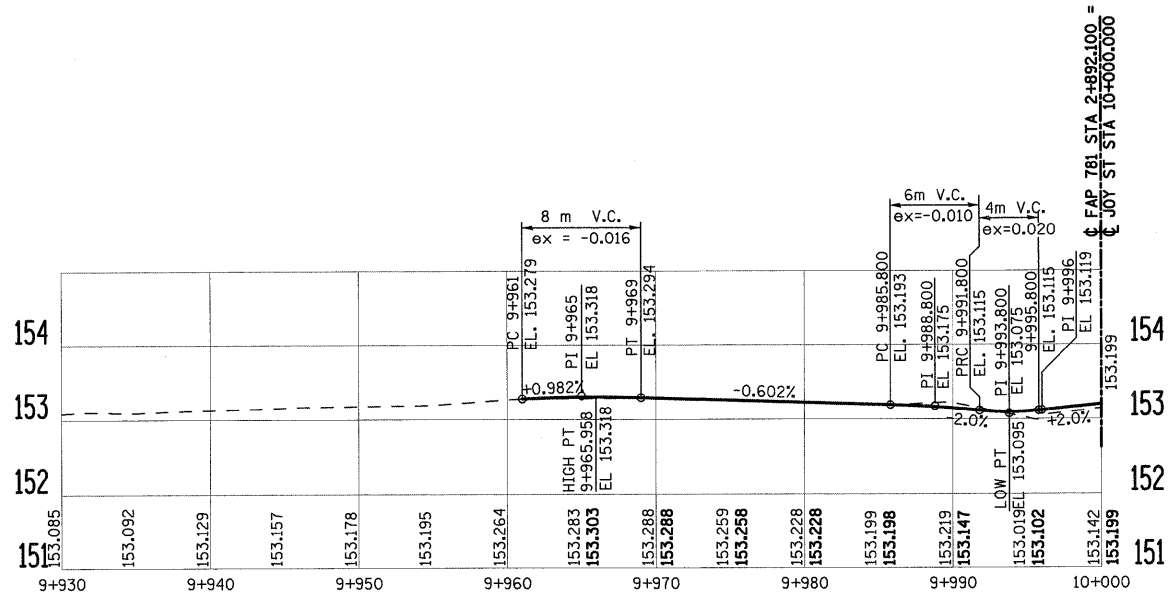
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



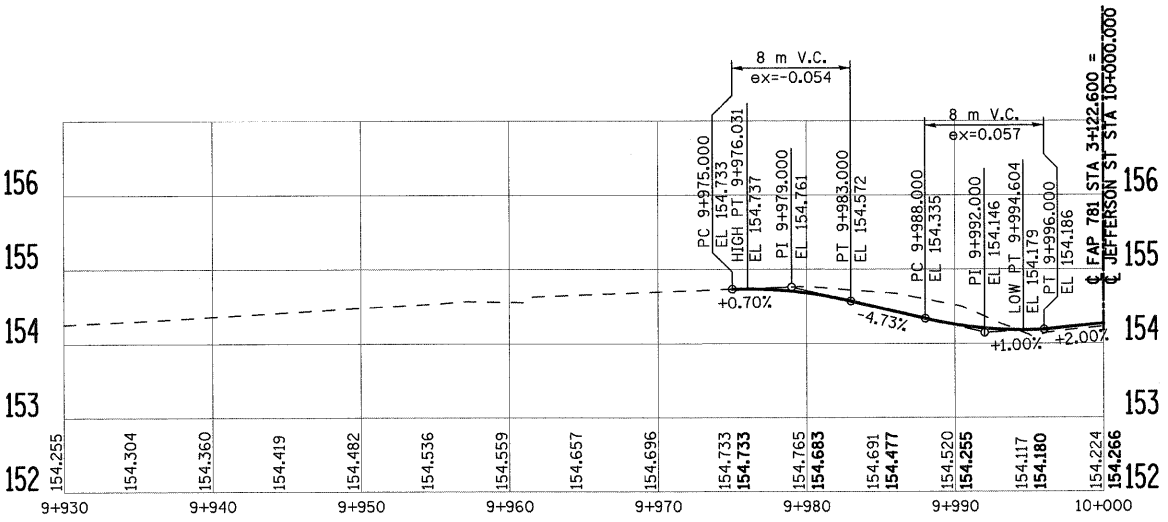
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p><b>PROPOSED SIDE ROAD PROFILES</b></p> <p>SCALE AS SHOWN      DRAWN BY EDW</p> <p>DATE FEBRUARY 6, 2009      CHECKED BY LWJ</p>

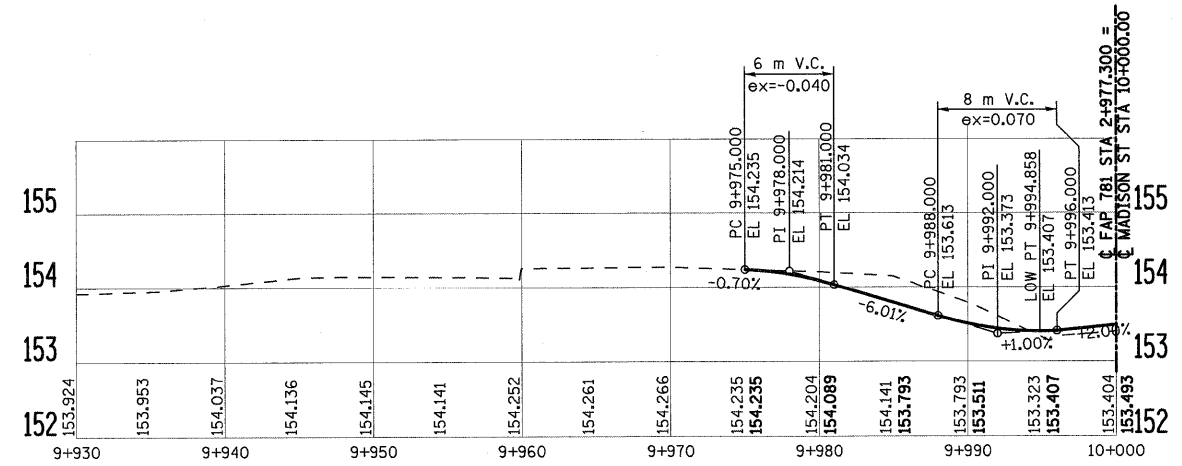
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



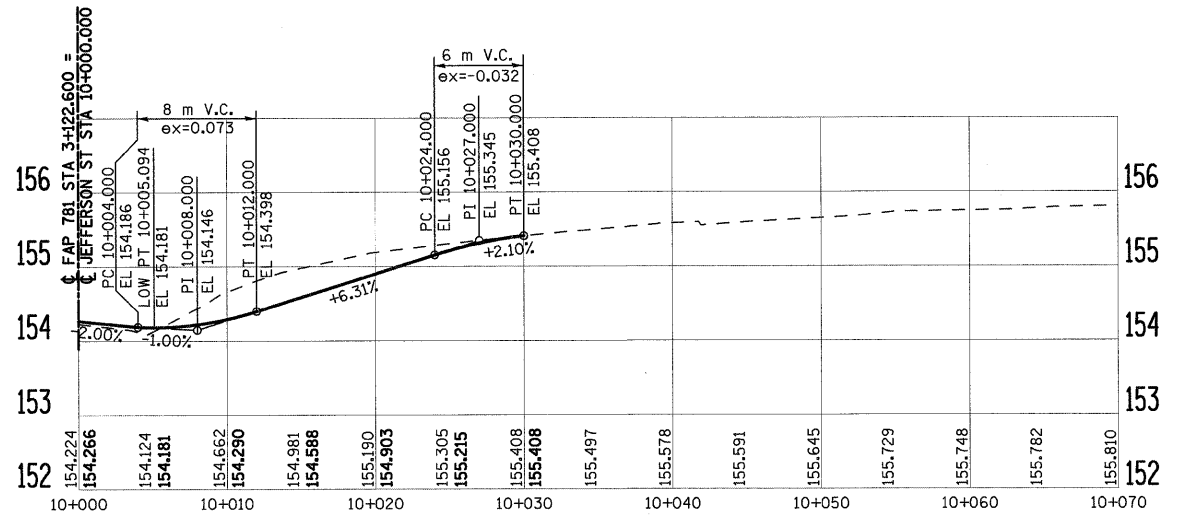
JOY STREET (LT)



JEFFERSON STREET (LT)



MADISON STREET (LT)

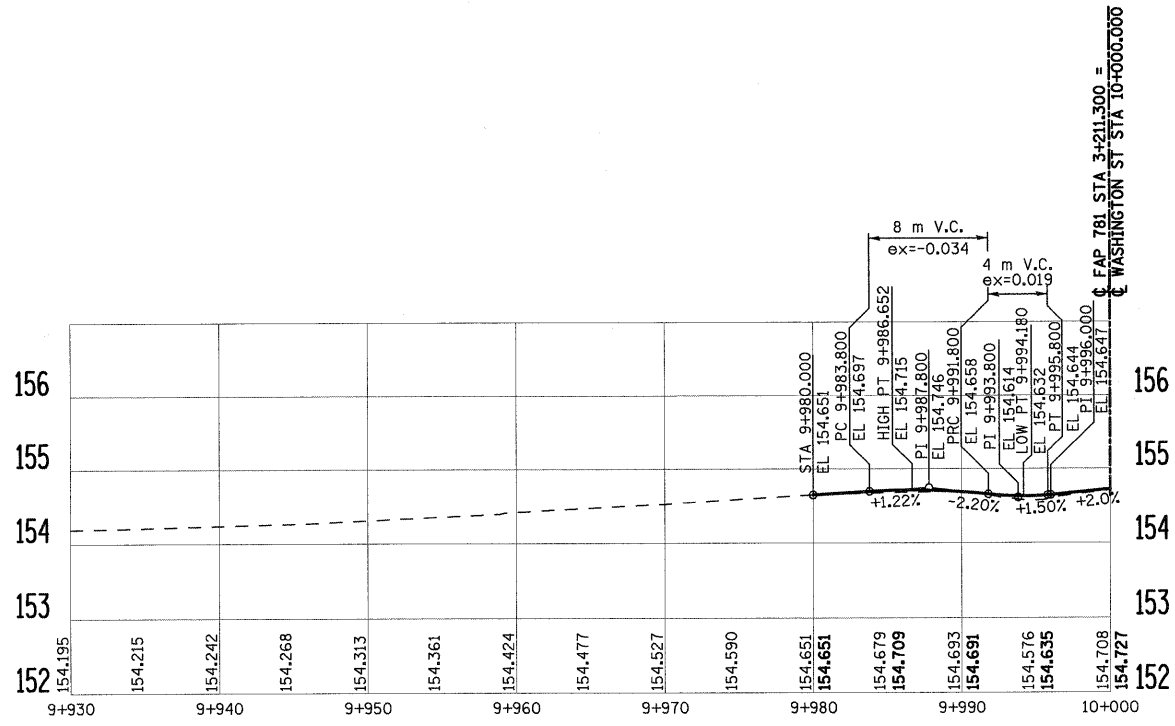


JEFFERSON STREET (RT)

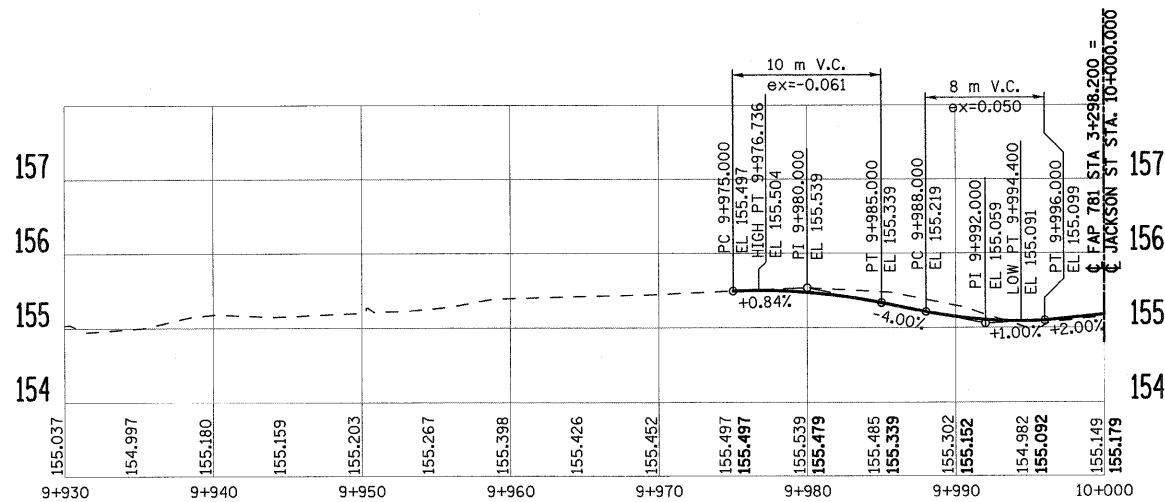
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>PROPOSED SIDE ROAD PROFILES</b>  SCALE AS SHOWN                      DRAWN BY EDW DATE FEBRUARY 6, 2009              CHECKED BY LWJ

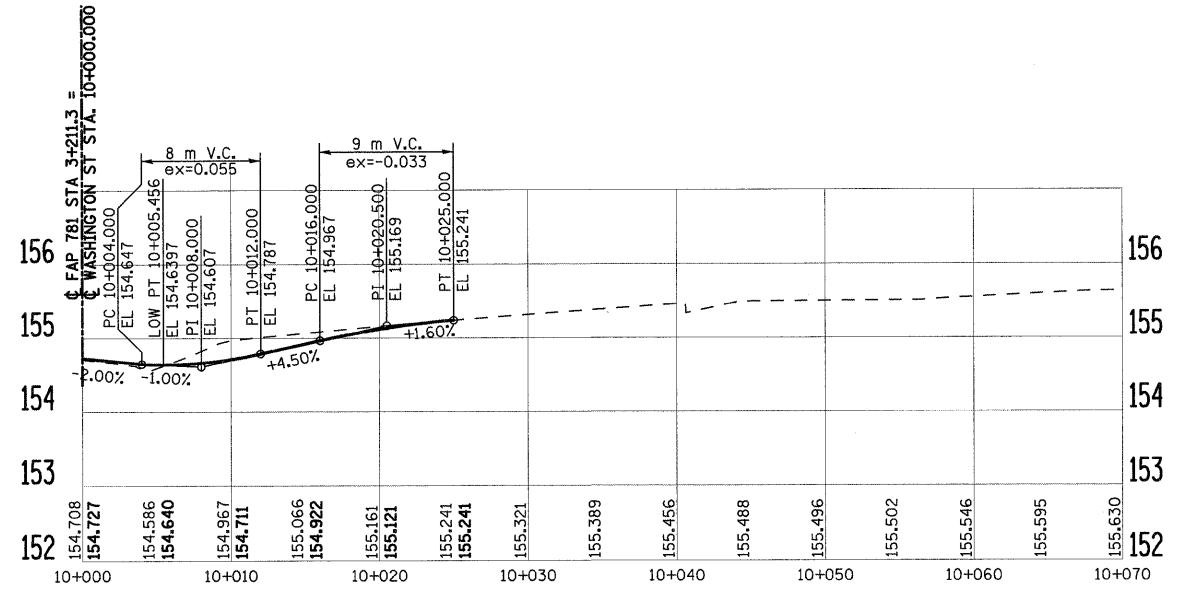
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



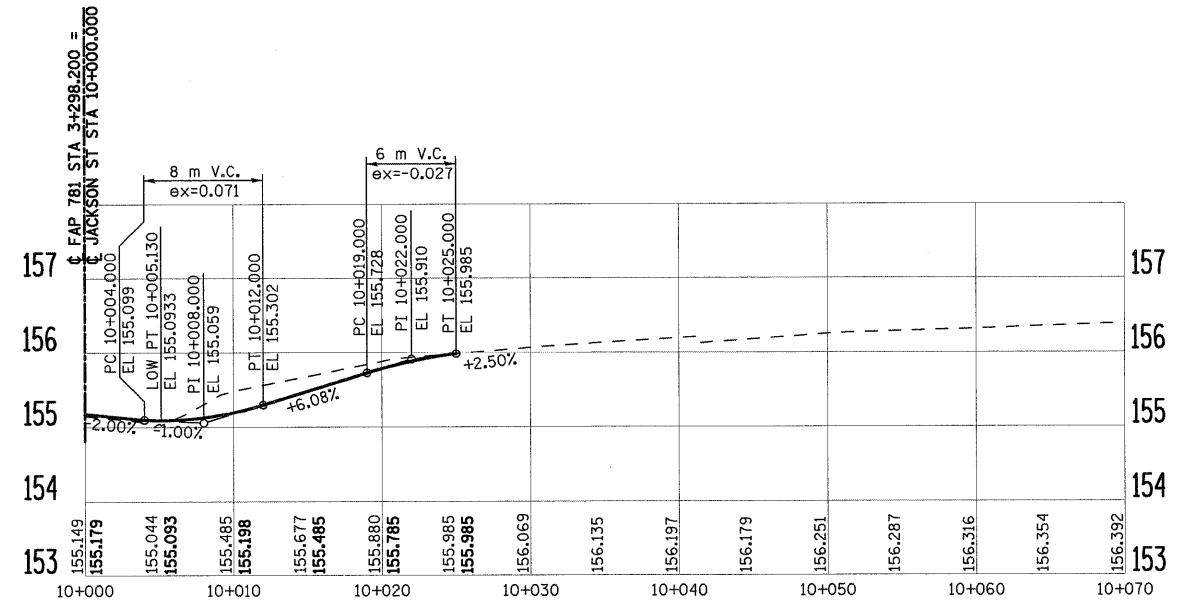
WASHINGTON STREET (LT)



JACKSON STREET (LT)



WASHINGTON STREET (RT)

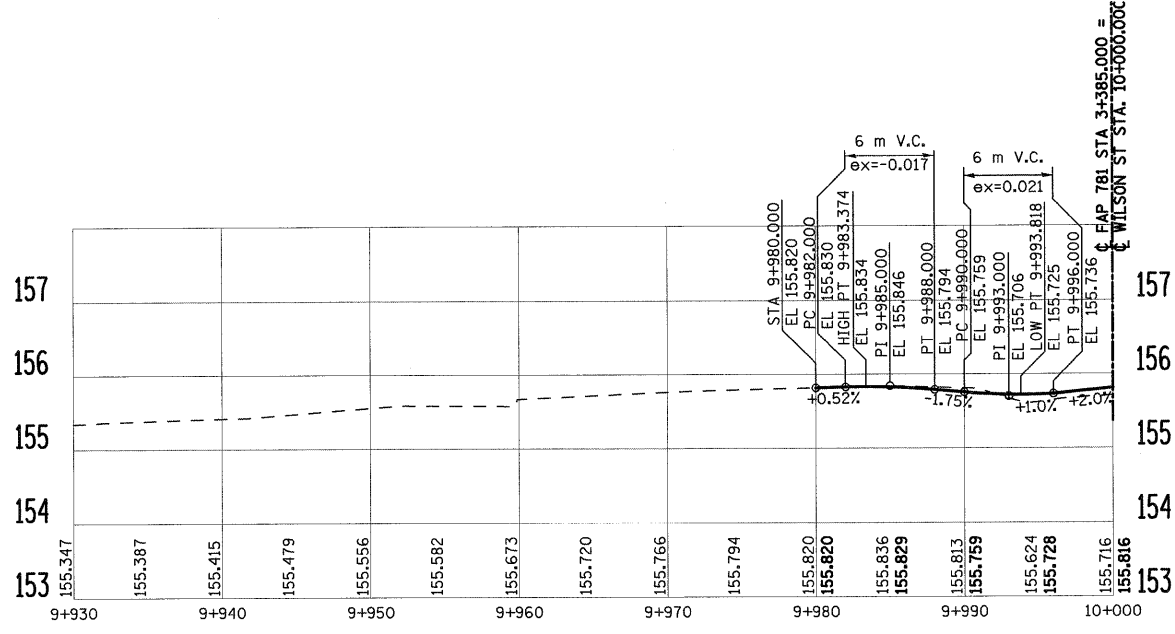


JACKSON STREET (RT)

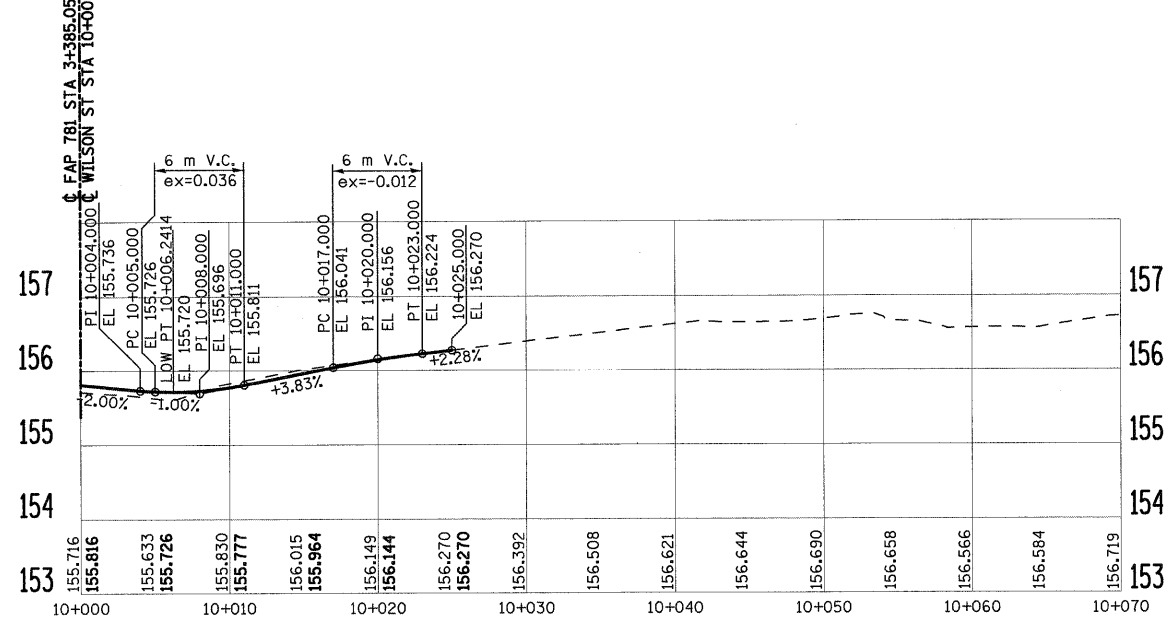
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>PROPOSED SIDE ROAD PROFILES</b>  SCALE AS SHOWN      DRAWN BY EDW DATE FEBRUARY 6, 2009      CHECKED BY LWJ

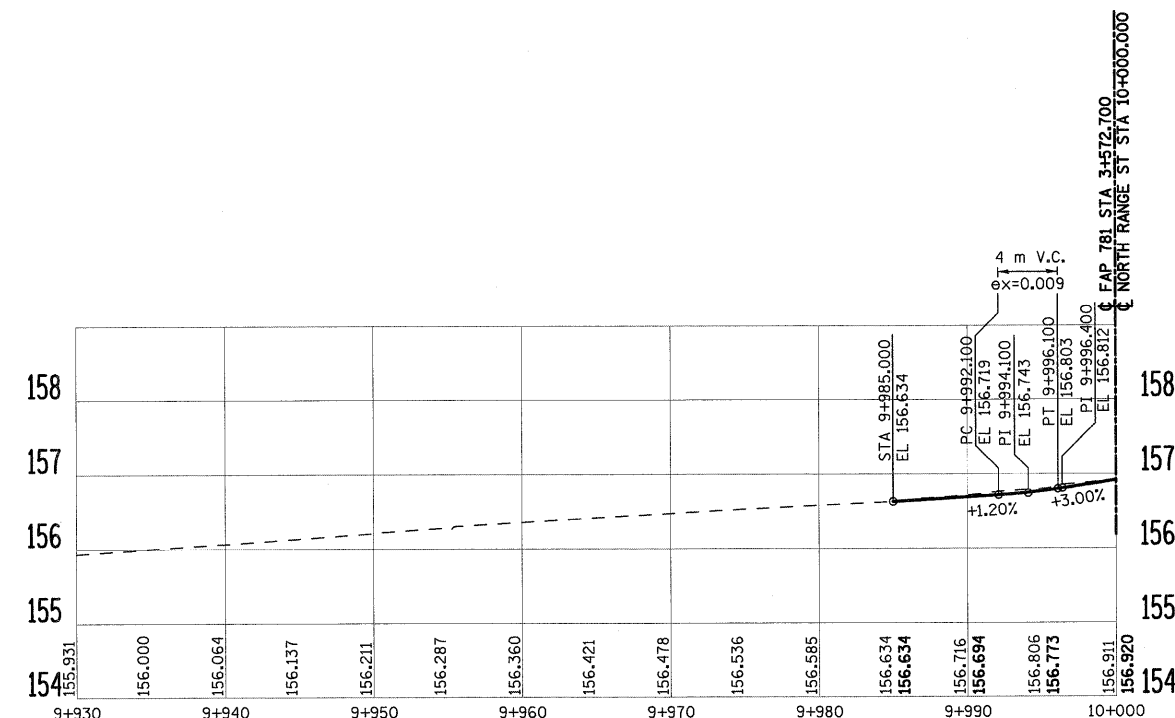
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



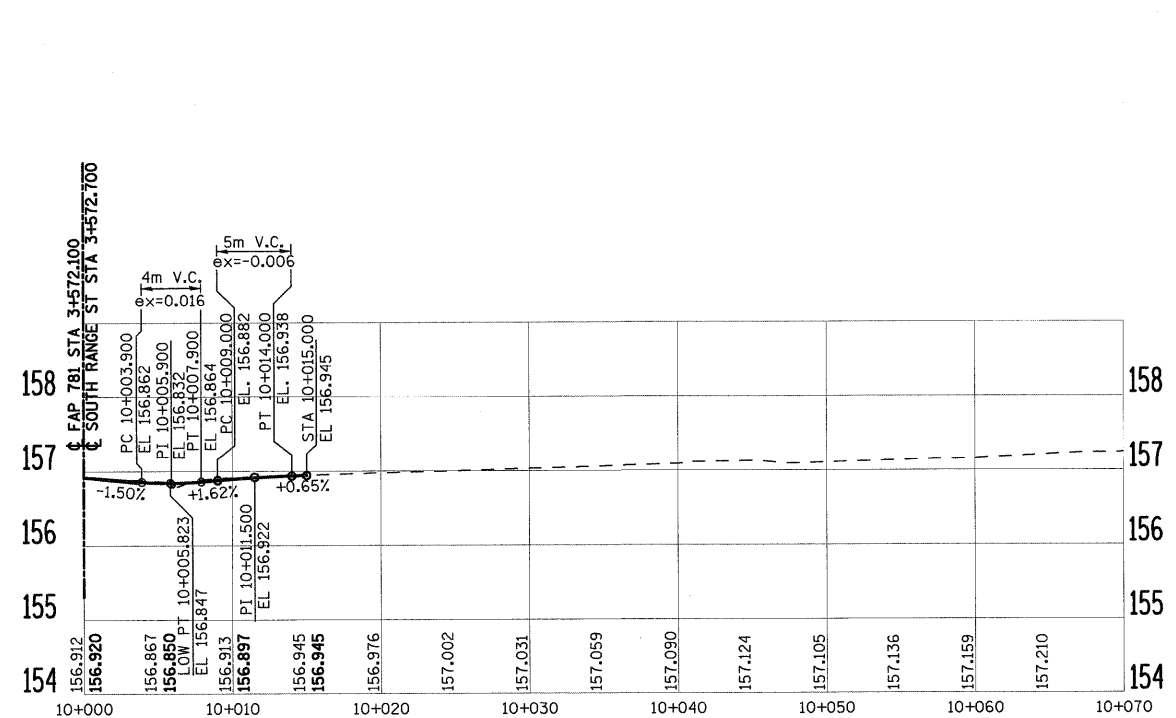
WILSON STREET (LT)



WILSON STREET (RT)



NORTH RANGE STREET

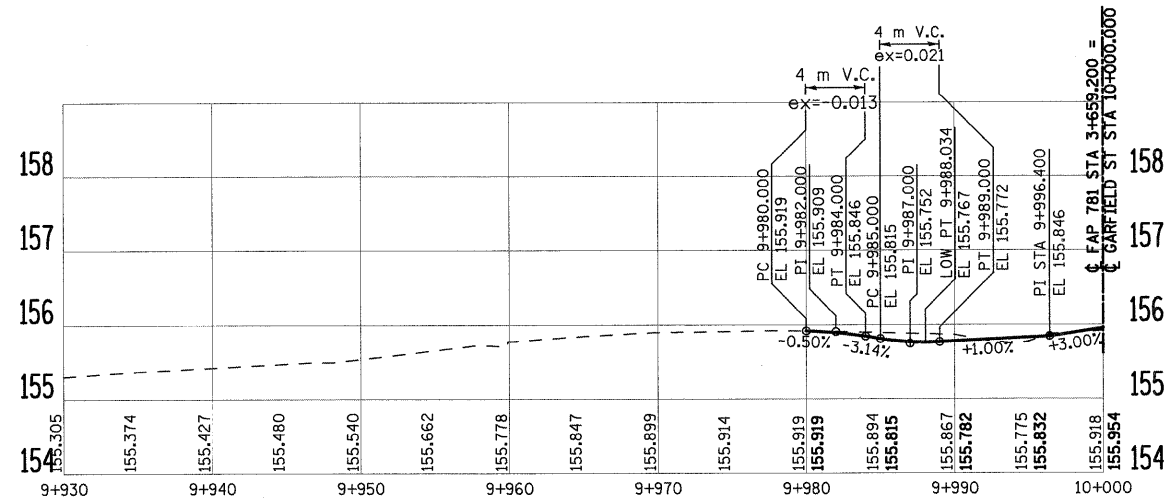


SOUTH RANGE STREET

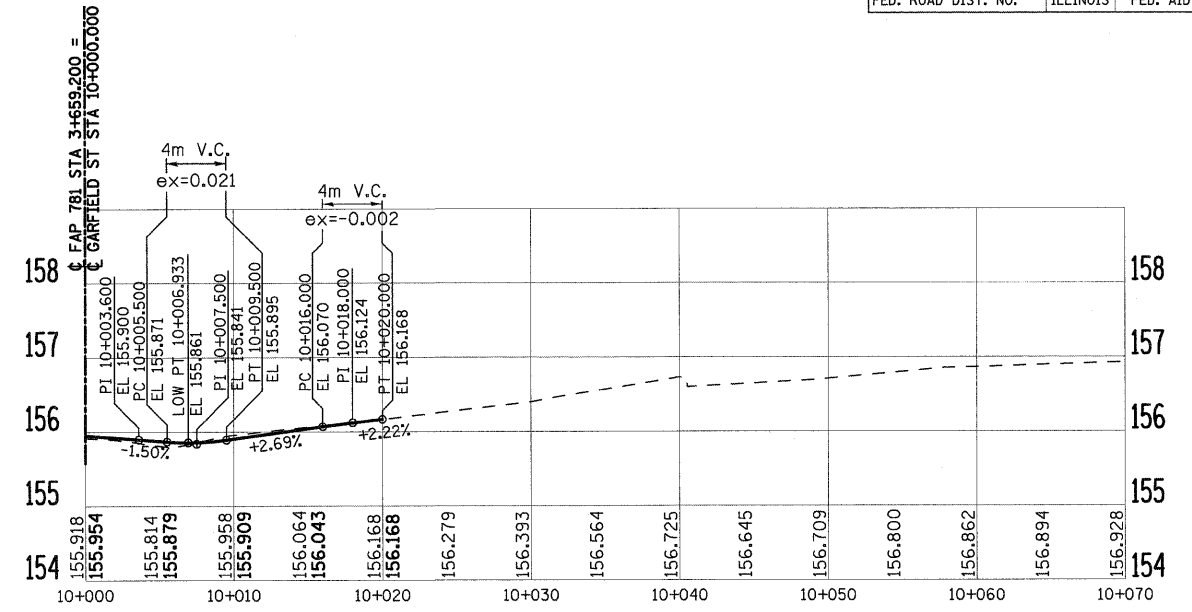
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>PROPOSED SIDE ROAD PROFILES</b>  SCALE AS SHOWN      DRAWN BY EDW DATE FEBRUARY 6, 2009      CHECKED BY LWJ

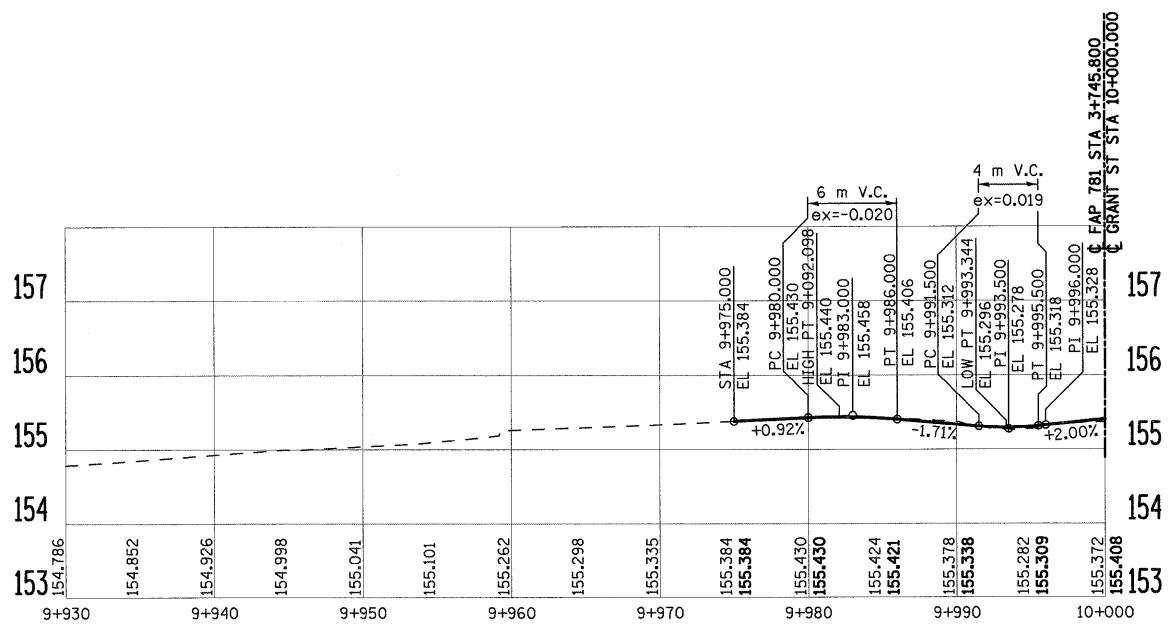
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



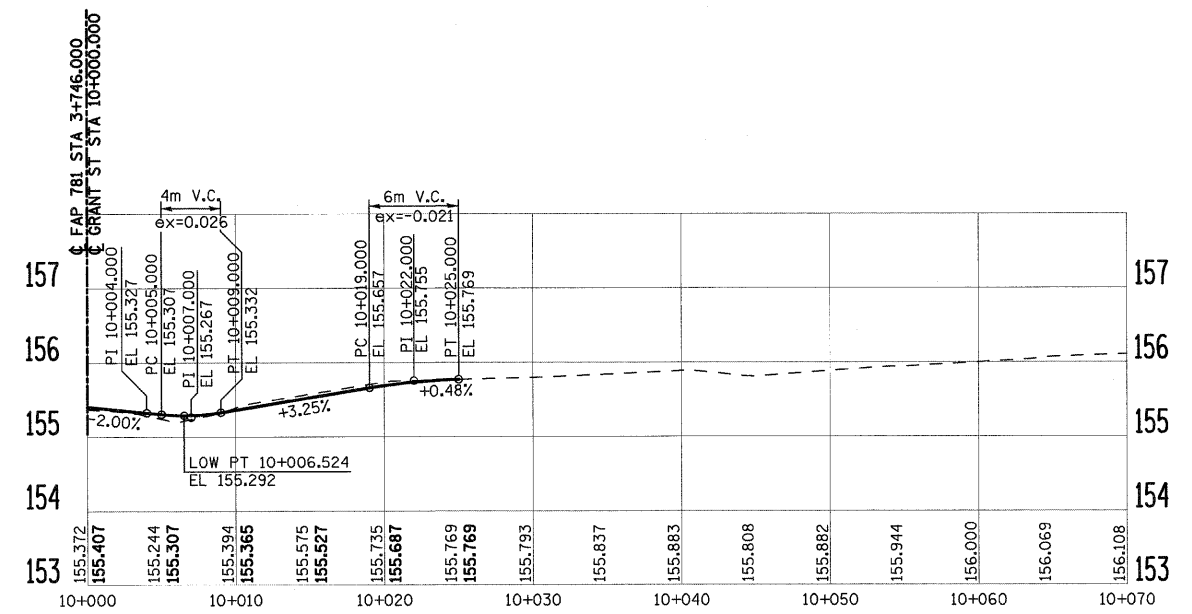
GARFIELD STREET (LT)



GARFIELD STREET (RT)



GRANT STREET (LT)

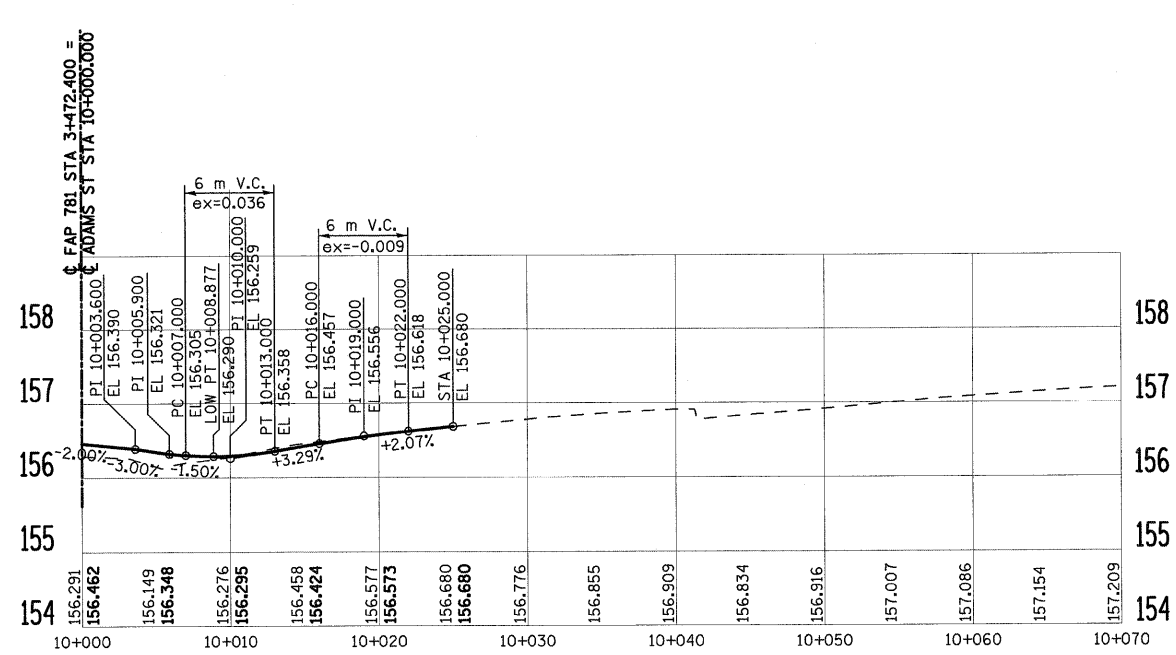


GRANT STREET (RT)

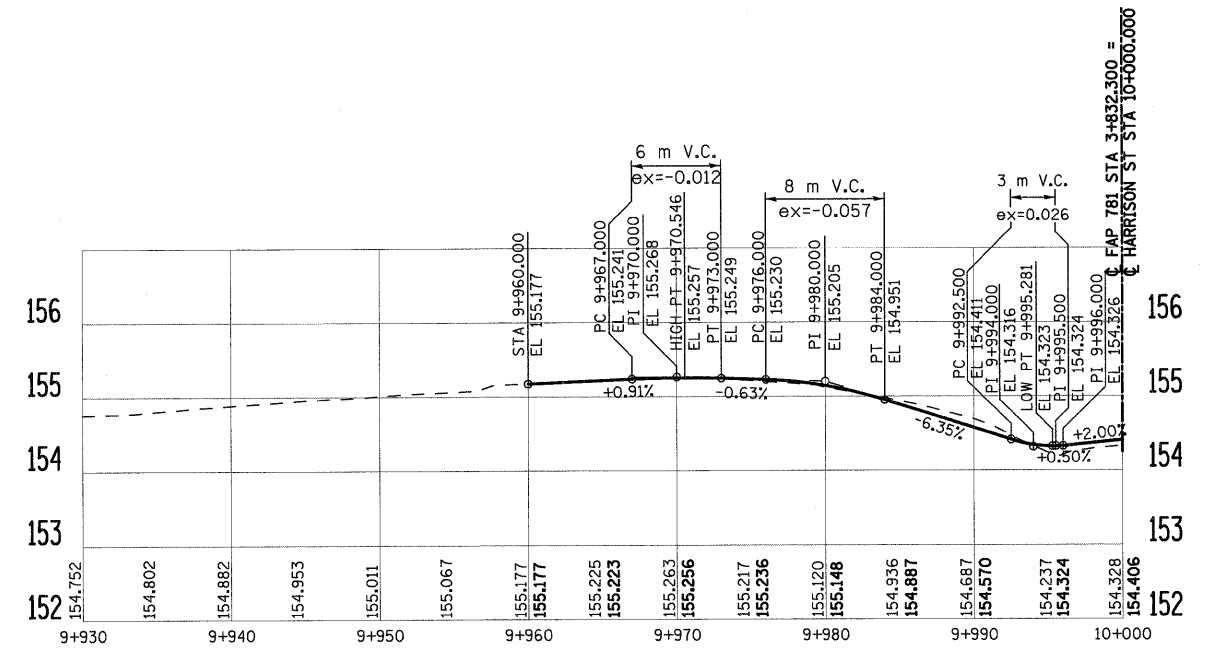
PLOT DATE = 2/5/2009  
FILE NAME = H:\4420\Contract 74349\SH1\_095.apr\05.dgn

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>PROPOSED SIDE ROAD PROFILES</b>  SCALE AS SHOWN      DRAWN BY EDW DATE FEBRUARY 6, 2009      CHECKED BY LWJ

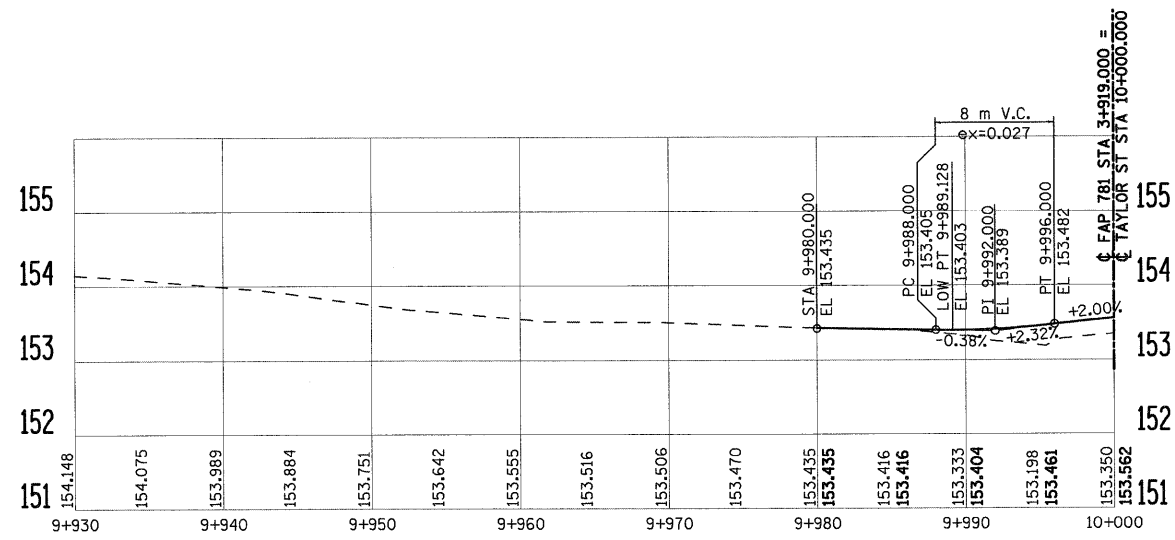
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	96
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



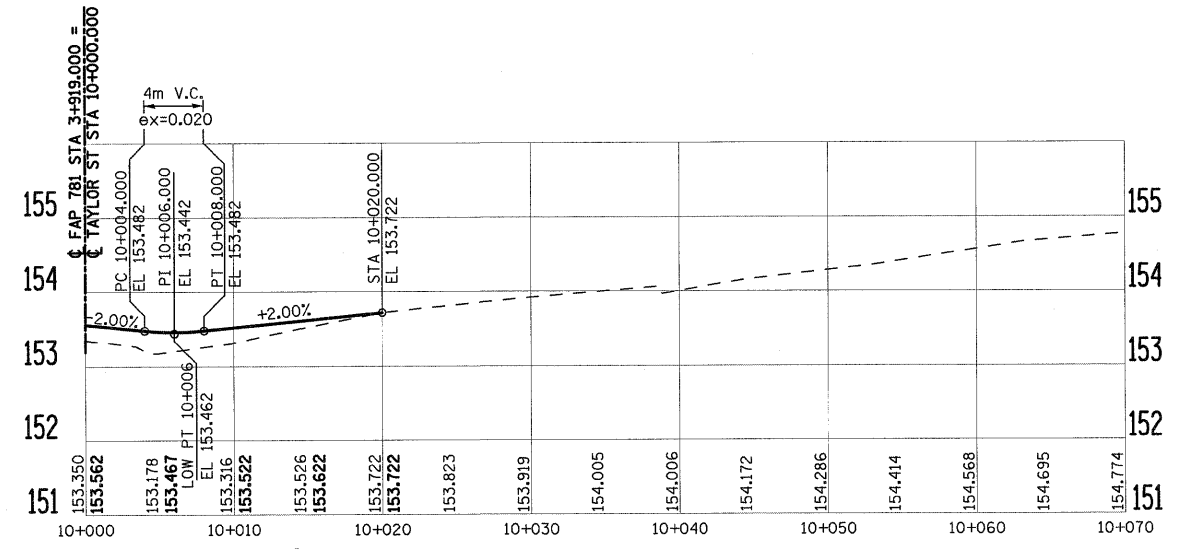
ADAMS STREET (RT)



HARRISON STREET (LT)



TAYLOR STREET (LT)



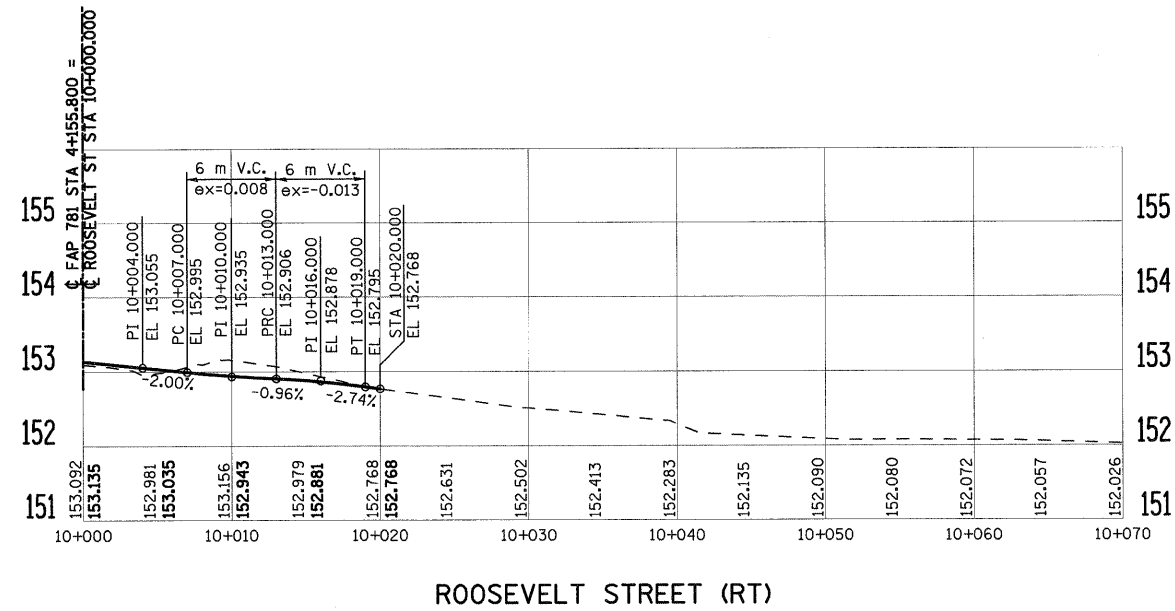
TAYLOR STREET (RT)

PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract\74349\SH1\_096.mpr\06.dgn

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>PROPOSED SIDE ROAD                      PROFILES</b>
SCALE AS SHOWN		DRAWN BY EDW
DATE FEBRUARY 6, 2009		CHECKED BY LWJ



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	97
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



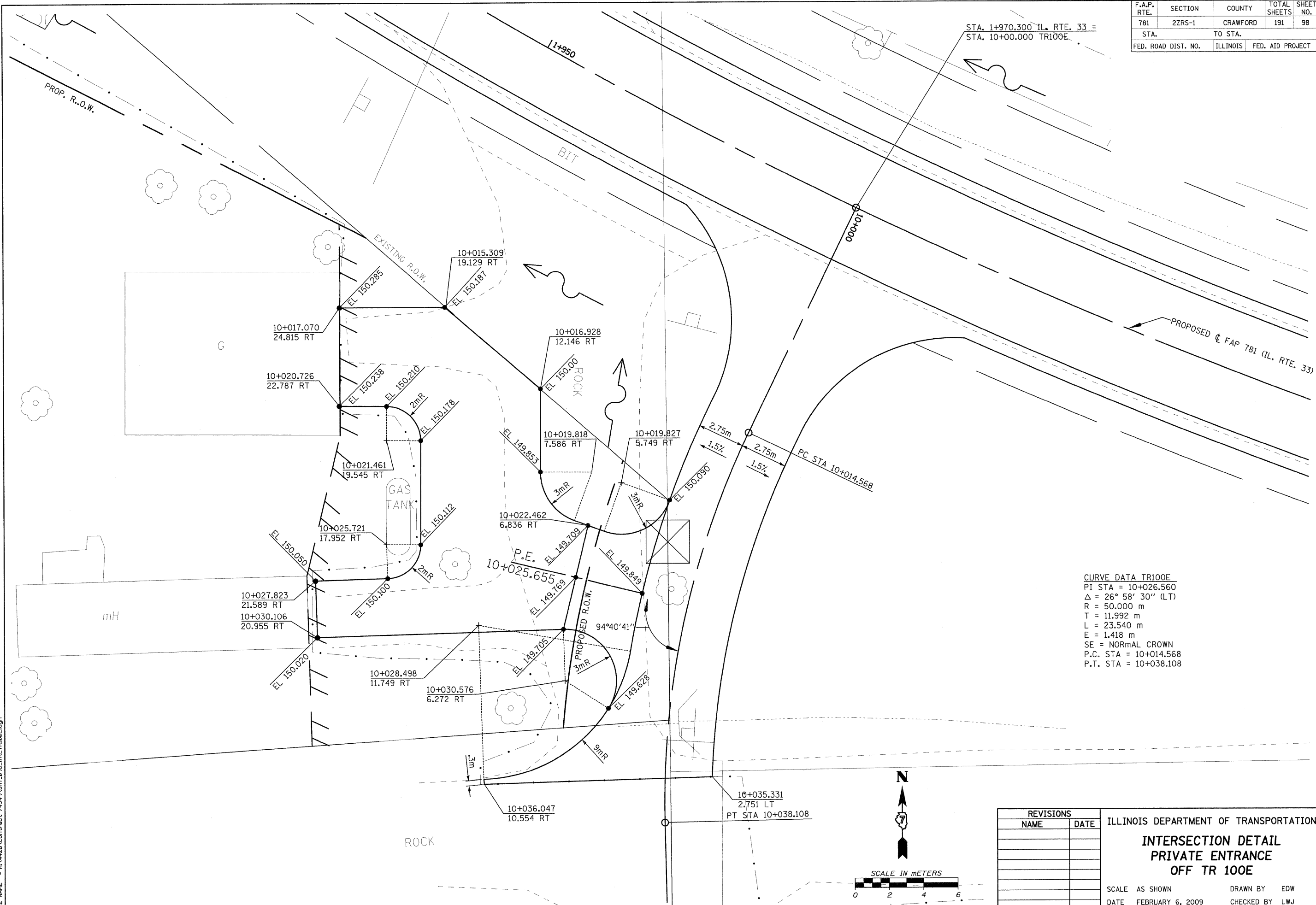
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p style="text-align: center;"><b>PROPOSED SIDE ROAD PROFILES</b></p> <p>SCALE AS SHOWN                      DRAWN BY EDW                      DATE FEBRUARY 6, 2009              CHECKED BY LWJ</p>

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	98
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STA. 1+970.300 IL. RTE. 33 =  
STA. 10+00.000 TR100E



CURVE DATA TR100E  
 PI STA = 10+026.560  
 $\Delta = 26^\circ 58' 30''$  (LT)  
 R = 50.000 m  
 T = 11.992 m  
 L = 23.540 m  
 E = 1.418 m  
 SE = NORMAL CROWN  
 P.C. STA = 10+014.568  
 P.T. STA = 10+038.108

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERSECTION DETAIL**  
**PRIVATE ENTRANCE**  
**OFF TR 100E**  
 SCALE AS SHOWN      DRAWN BY EDW  
 DATE FEBRUARY 6, 2009      CHECKED BY LWJ

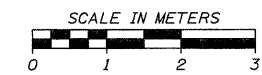
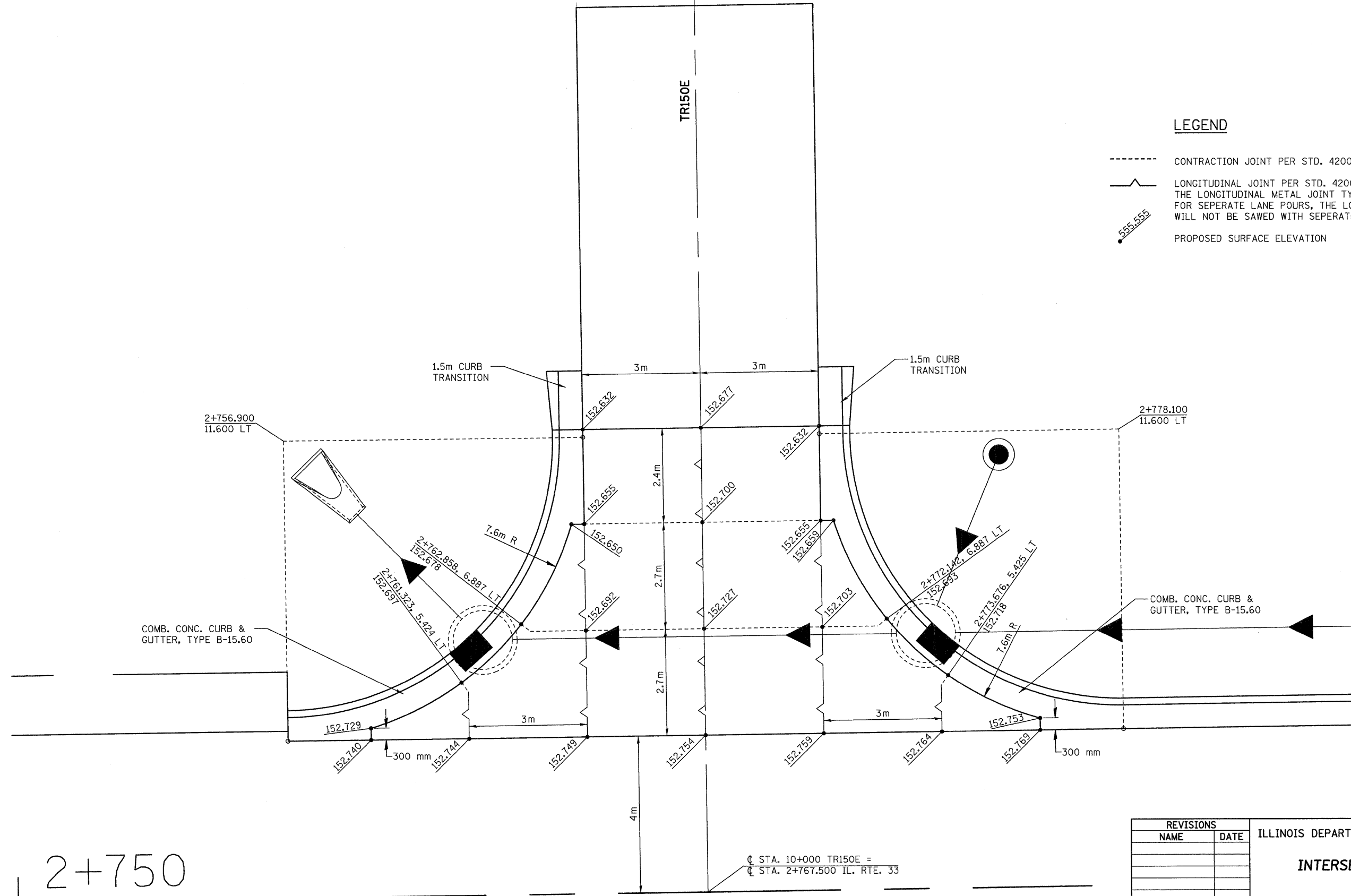
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H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	99
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**LEGEND**

- CONTRACTION JOINT PER STD. 420001
- /— LONGITUDINAL JOINT PER STD. 420001  
THE LONGITUDINAL METAL JOINT TYPE C MAY BE USED FOR SEPERATE LANE POURS, THE LONGITUDINAL JOINT WILL NOT BE SAWED WITH SEPERATE LANE POURS.
- 555.555 PROPOSED SURFACE ELEVATION



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERSECTION DETAIL**  
**TR150E**  
 SCALE AS SHOWN      DRAWN BY EDW  
 DATE FEBRUARY 6, 2009      CHECKED BY LWJ

PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract 74349\SHI\_899\_int\_TR150E.dgn

2+750

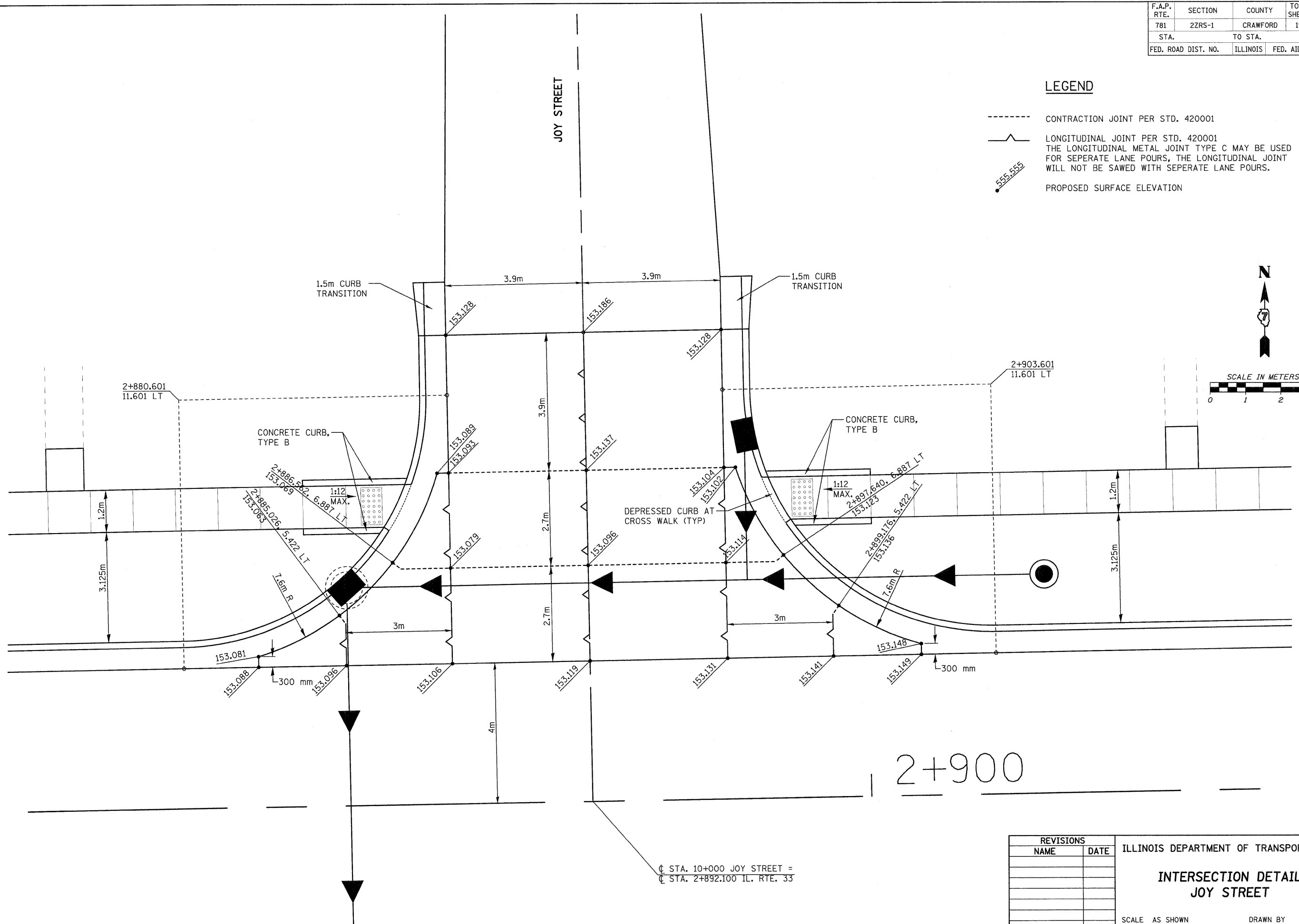
☐ STA. 10+000 TR150E =  
 ☐ STA. 2+767.500 IL. RTE. 33

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	2ZRS-1	CRAWFORD	191	100
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**LEGEND**

- CONTRACTION JOINT PER STD. 420001
- /— LONGITUDINAL JOINT PER STD. 420001  
THE LONGITUDINAL METAL JOINT TYPE C MAY BE USED FOR SEPERATE LANE POURS, THE LONGITUDINAL JOINT WILL NOT BE SAWED WITH SEPERATE LANE POURS.
- 555.555 PROPOSED SURFACE ELEVATION



PLOT DATE = 2/5/2009  
 FILE NAME = H:\4420\Contract 74349\BHT\_100\_int\_JoyJdgn

H. M. & G. NO. 4420

@ STA. 10+000 JOY STREET =  
 @ STA. 2+892.100 IL. RTE. 33

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>INTERSECTION DETAIL JOY STREET</b>
		SCALE AS SHOWN DATE FEBRUARY 6, 2009
		DRAWN BY EDW CHECKED BY LWJ