

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	1
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.P. ROUTE 781 (IL. ROUTE 33)  
SECTION 1YRS, 2ZRS-1  
PROJECT : F-0781(029)  
CRAWFORD COUNTY  
C-97-007-98

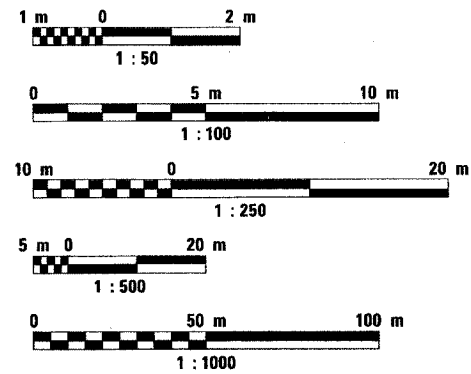
Project Engineer: Mark Daugherty  
Telephone: (217) 342-8341

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

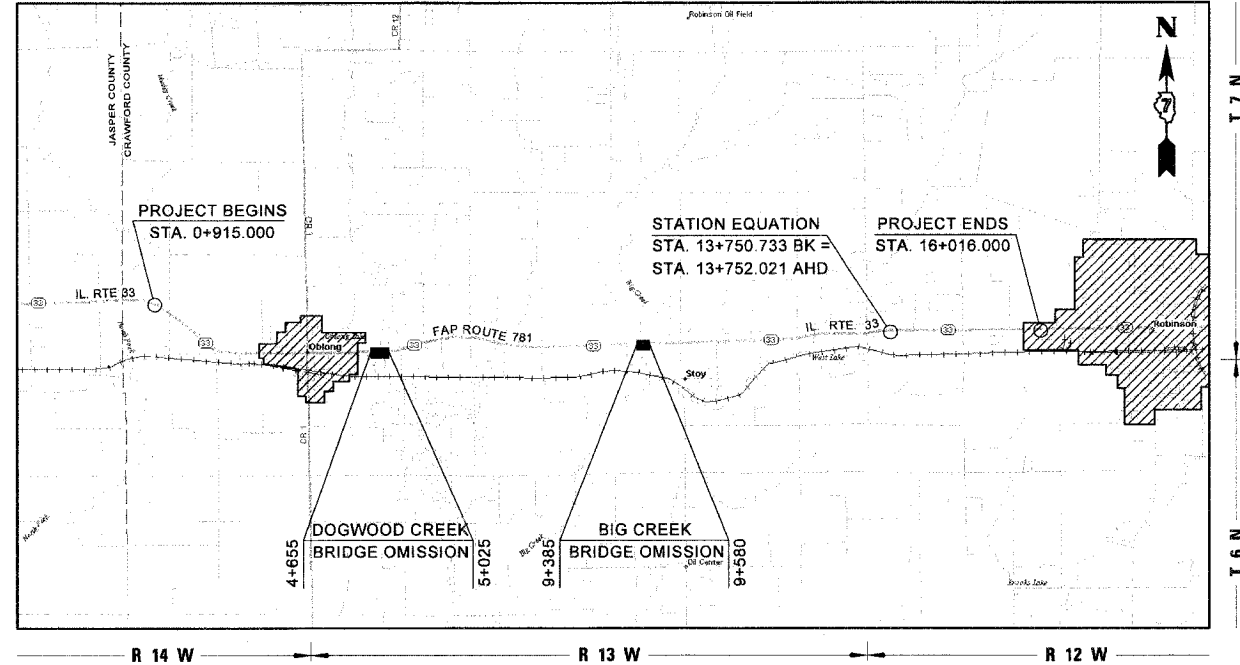
**METRIC RATIOS**



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. 94533**



**LOCATION MAP**  
SCALE 1:80,000

GROSS LENGTH OF IMPROVEMENT = 15,101.000 METERS = 15.101 KILOMETERS  
STATION EQUATION OMISSION = 1.288 METERS = 0.001 KILOMETERS  
ROAD AND BRIDGE OMISSIONS = 585.000 METERS = 0.585 KILOMETERS  
NET LENGTH OF IMPROVEMENT = 14,534.712 METERS = 14.535 KILOMETERS

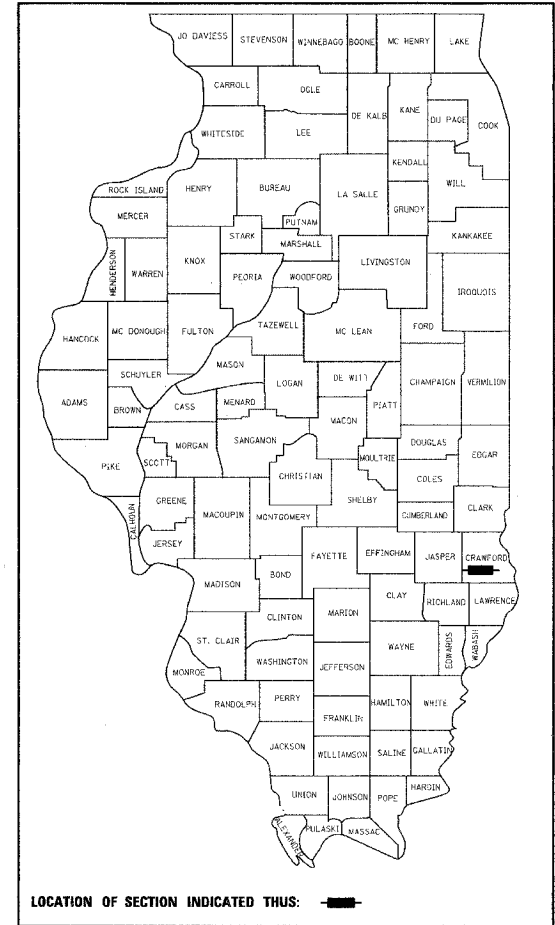
**PLANS PREPARED BY**



HENRY, MEISENHEIMER & GENDE, INC.  
ENGINEERS  
CARLYLE, ILLINOIS 62231  
www.hmgengineers.com  
(618) 594-3711 Fax (618) 594-8217

SCOTT A. WAKERS, P.E.  
REGISTERED ENGINEER NO. 082-049177  
EXPIRES NOV. 30, 2009

D-97-035-97



LOCATION OF SECTION INDICATED THIS: [Symbol]

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 21, 2008  
Christine M. Reed  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9, 2008  
Eric E. Naram  
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2008  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

PLOT DATE = 3/28/2008  
FILE NAME = H:\4428\78281\cover.dgn

HMG JOB NO. 4450

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**INDEX OF SHEETS**

**APPLICABLE HIGHWAY STANDARDS**

SHEET NO.	DESCRIPTION	STD. NO.	TITLE	STD. NO.	TITLE
1	COVER SHEET	280001-04	TEMPORARY EROSION CONTROL SYSTEMS	630301-04	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
2	INDEX OF SHEETS AND LIST OF STANDARDS	420001-07	PAVEMENT JOINTS	631011-04	TRAFFIC BARRIER TERMINAL, TYPE 2
3	GENERAL NOTES	420111-02	PCC PAVEMENT ROUNDOUTS	635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
4-8	SUMMARY OF QUANTITIES	424001-05	CURB RAMPS FOR SIDEWALKS	635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
9-13	TYPICAL SECTIONS	442201-03	CLASS C AND D PATCHES	666001	RIGHT OF WAY MARKERS
14-26	MISCELLANEOUS QUANTITY SCHEDULES	482001-02	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT	667101	PERMANENT SURVEY MARKERS
27-30	PIPE CULVERT SCHEDULE	482011-03	BITUMINOUS SHOULDER STRIPS / SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS	701006-02	OFF-ROAD OPERATIONS, 2-LANE, 2-WAY, 4.5 m TO 600 mm FROM PAVEMENT EDGE
31-38	STORM SEWER SCHEDULE	542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION	701011-01	OFF ROAD MOVING OPERATIONS, 2-LANE, 2-WAY, DAY ONLY
39-40	LOCAL TIES	542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm THRU 1350 mm PIPE)	701201-02	LANE CLOSURE, 2-LANE, 2-WAY, DAY ONLY, FOR SPEEDS MORE THAN OR EQUAL 45 MPH
41-45	RURAL ENTRANCE DETAILS & SCHEDULES	542401	METAL END SECTION FOR PIPE CULVERTS	701306-01	LANE CLOSURE, 2-LANE, 2-WAY, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS MORE THAN OR EQUAL 45 MPH
46-47	URBAN ENTRANCE DETAILS & SCHEDULES	542606	REINFORCED CONCRETE PIPE TEE	701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
48-58	REMOVALS	602301-01	INLET - TYPE A	701321-09	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
59-63	PLAN AND PROFILE SHEETS - WEST OF OBLONG	602306-01	INLET - TYPE B	701326-02	LANE CLOSURE, 2-LANE, 2-WAY, PAVEMENT WIDENING FOR SPEEDS MORE THAN OR EQUAL 45 MPH
64-74	PLAN AND PROFILE SHEETS - THROUGH OBLONG	602401-01	MANHOLE - TYPE A	701331-02	LANE CLOSURE, 2-LANE, 2-WAY, WITH RUN-AROUND, FOR SPEEDS ≥ 45 MPH
75-107	PLAN AND PROFILE SHEETS - EAST OF OBLONG	602406-02	MANHOLE, TYPE A, 1.8 m (6') DIAMETER	701501-04	URBAN LANE CLOSURE, 2-LANE, 2-WAY, UNDIVIDED
108	MODULAR RETAINING WALL NO. 1 PLAN AND PROFILE	602416	MANHOLE, TYPE A, 2.4 m (8') DIAMETER	701801-03	LANE CLOSURE MULTILANE, 1-WAY OR 2-WAY, CROSSWALK OR SIDEWALK CLOSURE
109	MODULAR RETAINING WALL NO. 2 PLAN AND PROFILE	602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP	701901	TRAFFIC CONTROL DEVICES
110	MODULAR RETAINING WALL DETAILS	602701-01	MANHOLE STEPS	704001-04	TEMPORARY CONCRETE BARRIER
111	STAGE CONSTRUCTION AND TRAFFIC CONTROL AT ACROSS ROAD BOX CULVERT REPLACEMENTS & INSTALLATIONS	604001-02	FRAME AND LIDS - TYPE 1	780001-01	TYPICAL PAVEMENT MARKINGS
112-114	RECONSTRUCTION SECTION STAGE 1	604006-03	FRAME AND GRATE - TYPE 3	781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
115-117	RECONSTRUCTION SECTION STAGE 2	604036-01	GRATE - TYPE 8	000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
118-120	RECONSTRUCTION SECTION STAGE 3	604051-02	FRAME AND GRATE - TYPE 11	001001-01	AREAS OF REINFORCEMENT REBARS
121-131	STORM SEWER PLAN AND PROFILE SHEETS	606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	B.L.R. 2-2	COMBINATION SECTION AND RIGHT OF WAY MARKER
132-136	STORM SEWER DETAILS	606006-01	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-15.60 (B-6.24)	B.L.R. 6-5	SECTION MARKERS
137-146	SIDE ROAD PROFILES	630001-07	STEEL PLATE BEAM GUARDRAIL	B.L.R. 10-5	PCC PAVEMENT SPECIAL
147-168	INTERSECTION DETAILS	630201-05	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL	B.L.R. 14-9	PORTLAND CEMENT CONCRETE PAVEMENT
169-170	SUPERELEVATION TRANSITION DETAILS AND DATA TABLES			B.L.R. 23-2	TRAFFIC BARRIER TERMINAL, TYPE 1
171	BUTT JOINT, TAPER AND ASPHALT MILLING DETAILS				
172	CONCRETE STEPS AND EMBANKMENT BENCHING DETAILS				
137	PERMANENT EROSION CONTROL DETAILS				
174-176	PRECAST CONCRETE BOX CULVERT DETAILS				
177-181	PRECAST CONCRETE BOX CULVERT SECTIONS				
182-195	BOX CULVERT EXTENSIONS - PLANS AND ELEVATIONS				
196-199	BOX CULVERT EXTENSIONS - DETAILS				
200	EXISTING BOX CULVERT PLUG AND FILL DETAILS				
201-222	RIGHT-OF-WAY PLANS				
223-378	IL. ROUTE 33 CROSS SECTIONS (BOUND SEPARATE)				

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 DATE APRIL 18, 2008      CHECKED BY RGH</p>

PLOT DATE = 4/18/2008  
FILE NAME = H:\4420\70002\indexofshets.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**GENERAL NOTES**

- WORK INCLUDED IN SECTION 1YRS & 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 954 METERS EAST OF TOWNSHIP ROAD 900E, 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. THERE ARE ALSO TWO BRIDGE OMISSIONS ON THE PROJECT OVER DOGWOOD CREEK AND BIG CREEK. ALSO INCLUDED IS 607.2 METERS OF FULL-DEPTH PAVEMENT CONSTRUCTION AT THE INTERSECTION OF TOWNSHIP ROAD 800E.
- 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-1HP
- 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.
  - SUBASE 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.
  - FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT), EITHER RC-70 OR AN EMULSIFIED POLYMER PRIME SS-1HP SHALL BE USED.
- 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	BINDER (FULL DEPTH)	INCIDENTAL	BITUMINOUS SHOULDERS (BOTTOM 93 mm)	BITUMINOUS SHOULDERS (TOP 57 mm)	BITUMINOUS BASE COURSE (PRA'S AND COMMERCIAL)	PAVEMENT PATCHING
AC/PG	PG 64-22	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%	15%	20%	20%	20%	20%	20%
DESIGN AIR VOIDS	4.0% @ Ndes=70	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 19.0	IL 9.5	IL 19.0	IL 9.5	IL 19.0	IL 19.0
FRICTION AGGREGATE	MIXTURE D	N/A	N/A	MIXTURE C	N/A	N/A	N/A	N/A

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center"><b>GENERAL NOTES</b></p> <p>SCALE NO SCALE                      DRAWN BY KOJ</p> <p>DATE APRIL 18, 2008                      CHECKED BY RGH</p>

PLOT DATE = 4/16/2008  
FILE NAME = H:\4428\78083\_geno\tda.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

### SUMMARY OF QUANTITIES

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	80% FED 20% STATE		80% FED 20% STATE		80% FED 20% STATE		100% CITY		50% STATE 50% CITY	
				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)		F.A.P. 781 (IL. RTE. 33)	
				0+915.000 TO 2+756.900 AND 4+475.071 TO 15+545.000		2+756.900 TO 4+475.071		15+545.000 TO 16+016.000		2+756.900 TO 4+475.071		2+756.900 TO 4+475.071	
				CONSTRUCTION CODE TYPE									
				I000-2A RURAL	I000-2A RURAL	I000-2A URBAN	SFTY-1B URBAN	SFTY-1B URBAN					
28000300	TEMPORARY DITCH CHECKS	EACH	499	488	1	10							
28000500	INLET AND PIPE PROTECTION	EACH	175	165	1	9							
* 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								
* 50101000	REMOVAL OF EXISTING STRUCTURES NO. 8	EACH	1	1									
* 50101100	REMOVAL OF EXISTING STRUCTURES NO. 9	EACH	1	1									
* 50101200	REMOVAL OF EXISTING STRUCTURES NO. 10	EACH	1	1									
* 50101300	REMOVAL OF EXISTING STRUCTURES NO. 11	EACH	1			1							
* 50101400	REMOVAL OF EXISTING STRUCTURES NO. 12	EACH	1			1							
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	2	2									
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							
54001008	BOX CULVERT END SECTION, CULVERT NO. 8	EACH	2	2									
54001009	BOX CULVERT END SECTION, CULVERT NO. 9	EACH	2	2									
54001010	BOX CULVERT END SECTION, CULVERT NO. 10	EACH	2	2									
54001011	BOX CULVERT END SECTION, CULVERT NO. 11	EACH	2	2									
54001012	BOX CULVERT END SECTION, CULVERT NO. 12	EACH	2	2									
54001013	BOX CULVERT END SECTION, CULVERT NO. 13	EACH	2	2									
54001014	BOX CULVERT END SECTION, CULVERT NO. 14	EACH	2	2									
54001015	BOX CULVERT END SECTION, CULVERT NO. 15	EACH	2	2									
54001016	BOX CULVERT END SECTION, CULVERT NO. 16	EACH	2	2									
54001017	BOX CULVERT END SECTION, CULVERT NO. 17	EACH	2	2									
54001018	BOX CULVERT END SECTION, CULVERT NO. 18	EACH	2	2									
54001019	BOX CULVERT END SECTION, CULVERT NO. 19	EACH	2	2									
54001020	BOX CULVERT END SECTION, CULVERT NO. 20	EACH	2	2									
54001021	BOX CULVERT END SECTION, CULVERT NO. 21	EACH	2	2									
54001022	BOX CULVERT END SECTION, CULVERT NO. 22	EACH	2			2							
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	84			84							
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	12	2		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	28	1		27							
60603300	GUTTER OUTLET	EACH	3			3							
** 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1									
** 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	10									
** 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1									
* 66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	143	128		2			13				
* 66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	49	45		4							
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1			1							
** 66900530	SOIL DISPOSAL ANALYSIS	EACH	7			7							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	20		3			1				

\* SEE SPECIAL PROVISIONS  
 \*\* Specialty Items

CONTINUED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**  
 SCALE \_\_\_\_\_ DRAWN BY KOJ  
 DATE APRIL 18, 2008 CHECKED BY RGH

PLOT DATE = 4/18/2008  
 FILE NAME = HV4428.V80804\_sumsq.VB.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE							
				L24		L24		L20			
				80% FED	20% STATE	80% FED	20% STATE	80% FED	20% STATE	100% CITY	50% STATE
				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 15+545.000		2+756.900 TO 4+475.071		15+545.000 TO 16+016.000		2+756.900 TO 4+475.071	
				1000-2A RURAL	1000-2A RURAL	1000-2A URBAN	SFTY-1B URBAN	SFTY-1B URBAN			
67100100	MOBILIZATION	L SUM	1	0.7	0.3						
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							
* 70101000	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331 (SPECIAL)	EACH	1	1							
* 70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	8	7		1					
* 70101800	TRAFFIC CONTROL AND PROTECTION,(SPECIAL)	L SUM	1	0.8		0.2					
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	730	620	86	24					
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	8	7		1					
70106700	TEMPORARY RUMBLE STRIP	EACH	48	42		6					
** 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	596	507	70	19					
** 78200410	GUARDRAIL MARKERS, TYPE A	EACH	24	24							
** 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	12							
** M2010110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	401	258	143						
M2010210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	903	610	293						
M2010500	TREE REMOVAL, HECTARES	HA	0.6	0.6							
* M2020010	EARTH EXCAVATION	CU M	73,555	68,953	2,188	2,414					
M2020050	EARTH EXCAVATION (WIDENING)	CU M	2,380	2,296		84					
* M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	680	680							
M2080150	TRENCH BACKFILL	CU M	3423	165	3,253	5					
** M2500200	SEEDING, CLASS 2	HA	19.2	18.6		0.6					
** M2500400	NITROGEN FERTILIZER NUTRIENT	KG	1,980	1,853	70	57					
** M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	1,980	1,853	70	57					
** M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	1,980	1,853	70	57					
** M2510115	MULCH, METHOD 2	HA	18.5	17.9		0.6					
** M2510630	EROSION CONTROL BLANKET	SQ M	8,214	8,214							
** M2520100	SODDING	SQ M	9815		9815						
** M2520200	SUPPLEMENTAL WATERING	UNIT	736.2		736.2						
** M2800255	TEMPORARY EROSION CONTROL SEEDING	HA	19.2	18.6		0.6					
** M2800400	PERIMETER EROSION BARRIER	METER	1,275	1,275							
** M2800800	MULCH, METHOD 2	HA	19.2	18.6		0.6					
M2810707	STONE DUMPED RIPRAP, CLASS A4	SQ M	4,811	4,575	190	46					
M2820200	FILTER FABRIC	SQ M	5,357	5,121	190	46					
M2830400	AGGREGATE DITCH	M TON	293	293							
* M3100300	PROCESSING LIME STABILIZED SOIL MIXTURE 300MM	SQ M	7,712	7,712							
M3101500	LIME	M TON	158.7	158.7							
M3111100	SUB-BASE GRANULAR MATERIAL, TYPE B 100MM	SQ M	14,151	7,712	6,439						
M3511010	AGGREGATE BASE COURSE, TYPE B	M TON	1,862	1,583	86	193					
M3530200	PORTLAND CEMENT CONCRETE BASE COURSE 200MM	SQ M	2,760		2,760						
M3550500	HOT-MIX ASPHALT BASE COURSE, 200MM	SQ M	7,436	7,122		314					
* M3552100	HOT-MIX ASPHALT BASE COURSE, VARIABLE DEPTH	M TON	3,163	3,163							
M4021010	AGGREGATE SURFACE COURSE, TYPE B	M TON	2,607	2,498	43	66					
* M4021200	AGGREGATE FOR TEMPORARY ACCESS	M TON	792	529	245	18					
M4060100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	107,937	94,601	10,533	2,803					
M4060300	AGGREGATE (PRIME COAT)	M TON	374	317	45	12					
* M4060895	CONSTRUCTING TEST STRIP	EACH	3	2	1						
M4060982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ M	884	716		168					
M4060990	TEMPORARY RAMP	SQ M	89	72		17					
M4062135	LEVELING BINDER (MACHINE METHOD), N70	M TON	6,458	6,209		249					
M4063085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	M TON	1,396		1,396						
M4063340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	M TON	11,049	9,311	1,373	365					

\* SEE SPECIAL PROVISIONS  
\*\* Specialty Items

CONTINUED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE \_\_\_\_\_ DRAWN BY KOJ  
DATE APRIL 18, 2008 CHECKED BY RGH

PLOT DATE = 4/18/2008  
FILE NAME = HY442070004\_sump\_v8.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	80% FED <sup>L 24</sup> 20% STATE		80% FED <sup>L 24</sup> 20% STATE		80% FED <sup>L 20</sup> 20% STATE		100% CITY		50% STATE 50% CITY	
				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)		F.A.P. 781 (IL. RTE. 33)	
				0+915.000 TO 2+756.900 AND 4+475.071 TO 15+545.000		2+756.900 TO 4+475.071		15+545.000 TO 16+016.000		2+756.900 TO 4+475.071		2+756.900 TO 4+475.071	
			CONSTRUCTION CODE TYPE										
			I000-2A RURAL	I000-2A RURAL	I000-2A URBAN	SFTY-1B URBAN	SFTY-1B URBAN						
M4075350	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 350MM	SQ M	6,984	6,984									
M4080100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	23,137	19,770	1,981		1,386						
M4080300	AGGREGATE (PRIME COAT)	M TON	12	11			1						
M4080500	INCIDENTAL HOT-MIX ASPHALT SURFACING	M TON	1,936	1,642	159		135						
M4200200	PORTLAND CEMENT CONCRETE PAVEMENT 200MM	SQ M	2,252		2,252								
M4205100	PAVEMENT FABRIC	SQ M	2,252		2,252								
M4230150	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 150MM	SQ M	1,191	333	858								
M4230200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 200MM	SQ M	4,087	1,758	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	87,188	77,092	6,684		3,412						
M4400725	HOT-MIX ASPHALT SURFACE REMOVAL, 25MM	SQ M	3,400		3,400								
M4400740	HOT-MIX ASPHALT SURFACE REMOVAL, 40MM	SQ M	212		212								
M4400950	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ M	10,944	8,933	2,011								
M4402000	PAVEMENT REMOVAL	SQ M	11,736	5,539	6,197								
M4402010	DRIVEWAY PAVEMENT REMOVAL	SQ M	8,669	5,716	2,550		403						
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	996	996									
M4420300	PAVEMENT PATCHING, TYPE I 300MM	SQ M	322	322									
M4422300	PAVEMENT PATCHING, TYPE II 300MM	SQ M	241	241									
M4812150	AGGREGATE SHOULDERS, TYPE B 150MM	SQ M	31,381	30,124	21		1,236						
M4820550	HOT-MIX ASPHALT SHOULDERS, 150MM	SQ M	15,354	14,924	5		425						
M5010521	REMOVE EXISTING CULVERTS	METER	180	100	71		9						
M5010522	PIPE CULVERT REMOVAL	METER	2,137	1,954	58		125						
M5030300	CLASS MS CONCRETE	CU M	12.0		12.0								
M5030350	CONCRETE STRUCTURES	CU M	4.9	4.9									
M5050405	FURNISHING AND ERECTING STRUCTURAL STEEL	KG	260	260									
M5080205	REINFORCEMENT BARS, EPOXY COATED	KG	880	880									
M5401002	PRECAST CONCRETE BOX CULVERT 600MM x 450MM	METER	15.1	15.1									
M5401005	PRECAST CONCRETE BOX CULVERT 600MM x 600MM	METER	15.6	15.6									
M5401010	PRECAST CONCRETE BOX CULVERT 900MM x 600MM	METER	5.7	5.7									
M5401020	PRECAST CONCRETE BOX CULVERT 1.2M x 0.6M	METER	19.8	19.8									
M5401060	PRECAST CONCRETE BOX CULVERT 1.8M x 1.2M	METER	25.2	25.2									
M5402020	PRECAST CONCRETE BOX CULVERT 1.2M x 0.6M (M273)	METER	30.6	30.6									
M5402035	PRECAST CONCRETE BOX CULVERT 1.5M x 0.9M (M273)	METER	9.0	9.0									
M5403220	EXPANSION BOLTS M20	EACH	206	206									
M5421210	PIPE CULVERTS, TYPE 1 RCCP 375MM	METER	126.5	110.5			16.0						
M5421215	PIPE CULVERTS, TYPE 1 RCCP 450MM	METER	66.0	53.5			12.5						
M5421225	PIPE CULVERTS, TYPE 1 RCCP 600MM	METER	118.5	118.5									
M5421235	PIPE CULVERTS, TYPE 1 RCCP 750MM	METER	32.5	32.5									
M5421240	PIPE CULVERTS, TYPE 1 RCCP 900MM	METER	55.5	55.5									
M5421260	PIPE CULVERTS, TYPE 1 RCCP 1500MM	METER	17.5	17.5									
M542C212	REINFORCED CONCRETE PIPE TEE, 300MM PIPE WITH 300MM RISER	EACH	1		1								
M542C216	REINFORCED CONCRETE PIPE TEE, 375MM PIPE WITH 300MM RISER	EACH	1	1									
M542C220	REINFORCED CONCRETE PIPE TEE, 450MM PIPE WITH 300MM RISER	EACH	2		2								
M542C228	REINFORCED CONCRETE PIPE TEE, 600MM PIPE WITH 300MM RISER	EACH	8		8								
M542C236	REINFORCED CONCRETE PIPE TEE, 750MM PIPE WITH 300MM RISER	EACH	5		5								
M542C244	REINFORCED CONCRETE PIPE TEE, 900MM PIPE WITH 300MM RISER	EACH	7		7								
M542C248	REINFORCED CONCRETE PIPE TEE, 1050MM PIPE WITH 300MM RISER	EACH	3		3								
M542C328	REINFORCED CONCRETE PIPE TEE, 600MM PIPE WITH 375MM RISER	EACH	1	1									
M542C336	REINFORCED CONCRETE PIPE TEE, 750MM PIPE WITH 375MM RISER	EACH	1	1									
M542E012	END SECTIONS 300MM	EACH	1	1									

\* SEE SPECIAL PROVISIONS

CONTINUED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SUMMARY OF QUANTITIES**

SCALE \_\_\_\_\_ DRAWN BY KOJ

DATE APRIL 18, 2008 CHECKED BY RGH

PLT DATE = 4/18/2008  
FILE NAME = HV442870804\_sumq\_v8.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE					
				I000-2A RURAL	I000-2A RURAL	I000-2A URBAN	SFTY-1B URBAN	SFTY-1B URBAN	SFTY-1B URBAN
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY	50% STATE 50% CITY	
				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)	F.A.P. 781 (IL. RTE. 33)	
				0+915.000 TO 2+756.900 AND 4+475.071 TO 15+545.000	2+756.900 TO 4+475.071	15+545.000 TO 16+016.000	2+756.900 TO 4+475.071	2+756.900 TO 4+475.071	
M542E016	END SECTIONS 375MM	EACH	104	102		2			
M542E020	END SECTIONS 450MM	EACH	82	70		12			
M542E024	END SECTIONS 525MM	EACH	14	14					
M542E028	END SECTIONS 600MM	EACH	48	48					
M542E032	END SECTIONS 675MM	EACH	6	6					
M542E036	END SECTIONS 750MM	EACH	12	12					
M542E044	END SECTIONS 900MM	EACH	14	14					
M542E048	END SECTIONS 1050MM	EACH	4	4					
M542E116	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 375MM	EACH	12	10		2			
M542E120	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 450MM	EACH	8	6		2			
M542E128	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 600MM	EACH	16	14	2				
M542E136	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 750MM	EACH	4	4					
M542E144	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 900MM	EACH	6	6					
M542E148	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 1050MM	EACH	2		2				
M542E160	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 1500MM	EACH	2	2					
M542H420	PIPE CULVERTS, CLASS D, TYPE 1 300MM	METER	2.5	2.5					
M542H425	PIPE CULVERTS, CLASS D, TYPE 1 375MM	METER	924.5	908.0		16.5			
M542H430	PIPE CULVERTS, CLASS D, TYPE 1 450MM	METER	593.0	512.0		81.0			
M542H435	PIPE CULVERTS, CLASS D, TYPE 1 525MM	METER	93.5	93.5					
M542H440	PIPE CULVERTS, CLASS D, TYPE 1 600MM	METER	372.0	372.0					
M542H445	PIPE CULVERTS, CLASS D, TYPE 1 675MM	METER	37.0	37.0					
M542H450	PIPE CULVERTS, CLASS D, TYPE 1 750MM	METER	90.0	90.0					
M542H455	PIPE CULVERTS, CLASS D, TYPE 1 900MM	METER	76.0	76.0					
M542H460	PIPE CULVERTS, CLASS D, TYPE 1 1050MM	METER	24.5	24.5					
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	5	5					
* 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				
** M6300100	STEEL PLATE BEAM GUARD RAIL, TYPE A	METER	438.15	438.15					
** M6320030	GUARDRAIL REMOVAL	METER	12	5	7				
** M6690200	NON-SPECIAL WASTE DISPOSAL	CU M	291		291				
M7030100	SHORT-TERM PAVEMENT MARKING	METER	5813	3921	1704	188			
M7030620	TEMPORARY PAINT PAVEMENT MARKING LINE 100 MM	METER	33577	32091	426	1060			
M7040100	TEMPORARY CONCRETE BARRIER	METER	1530	1430		100			

\* SEE SPECIAL PROVISIONS  
 \*\* Specialty Items

CONTINUED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES  SCALE _____ DRAWN BY KOJ DATE APRIL 18, 2008 CHECKED BY RGH

PLOT DATE = 4/18/2008  
 FILE NAME = HV442078004\_summ\_v8.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEMS	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE							
				L24		L24		L20			
				80% FED	20% STATE	80% FED	20% STATE	80% FED	20% STATE	100% CITY	50% STATE
				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)	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 15+545.000	2+756.900 TO 4+475.071	15+545.000 TO 16+016.000	2+756.900 TO 4+475.071	2+756.900 TO 4+475.071	2+756.900 TO 4+475.071		
				I000-2A RURAL	I000-2A RURAL	I000-2A URBAN	SFTY-1B URBAN	SFTY-1B URBAN	SFTY-1B URBAN		
M7040200	RELOCATE TEMPORARY CONCRETE BARRIER	METER	1430	1330		100					
** M7800205	PAINT PAVEMENT MARKING LINE-100 MM	METER	33577	32091	426	1060					
** M7800215	PAINT PAVEMENT MARKING LINE-150 MM	METER	106.8		106.8						
** M7800240	PAINT PAVEMENT MARKING LINE-600 MM	METER	15.6		15.6						
* MX032188	CLASS SI CONCRETE, SPECIAL	CU M	15.0		15.0						
* MX032196	POLYMER MODIFIED PORTLAND CEMENT MORTAR	SQ M	25.9	25.9							
* MX032200	ENGINEERED BARRIER	SQ M	457		457						
* MX032509	GRADING AND SHAPING SPECIAL	SQ M	9815		9815						
* M2112500	TOPSOIL EXCAVATION AND PLACEMENT	CU M	24190	23434.0	9.7	741.7					
MX033694	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 125 MM)	SQ M	3.2	3.2							
MX540110	PRECAST CONCRETE BOX CULVERT 1.5M x 0.6M	METER	64.4		64.4						
MX033731	PRECAST CONCRETE BOX CULVERT 900MM x 450MM	METER	15.2	15.2							
MX033735	PRECAST CONCRETE BOX CULVERT 3.0M x 0.9M	METER	43.2	43.2							
MX033732	PRECAST CONCRETE BOX CULVERT 3.0M x 1.65M	METER	10.9	10.9							
MX033736	PRECAST CONCRETE BOX CULVERT 750MM x 450MM (M273)	METER	51.0	36.6		14.4					
MX033737	PRECAST CONCRETE BOX CULVERT 900MM x 300MM (M273)	METER	29.7	29.7							
MX033734	PRECAST CONCRETE BOX CULVERT 1.8M x 0.6M (M273)	METER	15.3	15.3							
* MZ034730	MODULAR RETAINING WALL SYSTEM	SQ M	97.1		97.1						
* Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1							
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4							
Z0030350	IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	15	13		2					
** A2001016	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	40	30	5	5					
** A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	40	30	5	5					
** D2002788	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	15			15					
** A2001316	TREE, ACER SACCHARINUM (SILVER MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	35	30	5						
** A2006916	TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	40	30	5	5					
0 Z0076600	TRAINEES	HOUR	1000	1000							

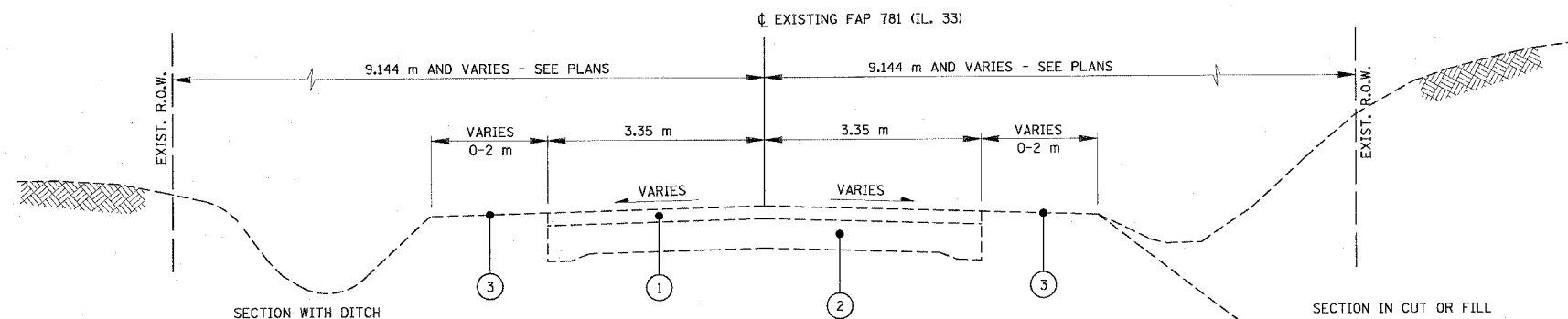
- \* SEE SPECIAL PROVISIONS
- \*\* Specialty Items
- 0 Y080

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE		DRAWN BY KOJ
DATE APRIL 18, 2008		

PLOT DATE = 4/18/2008  
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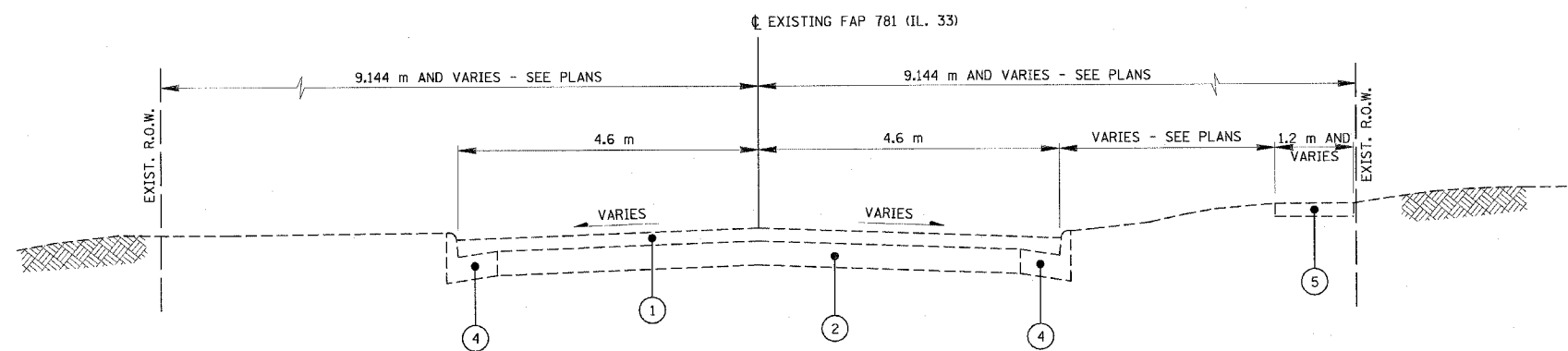


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



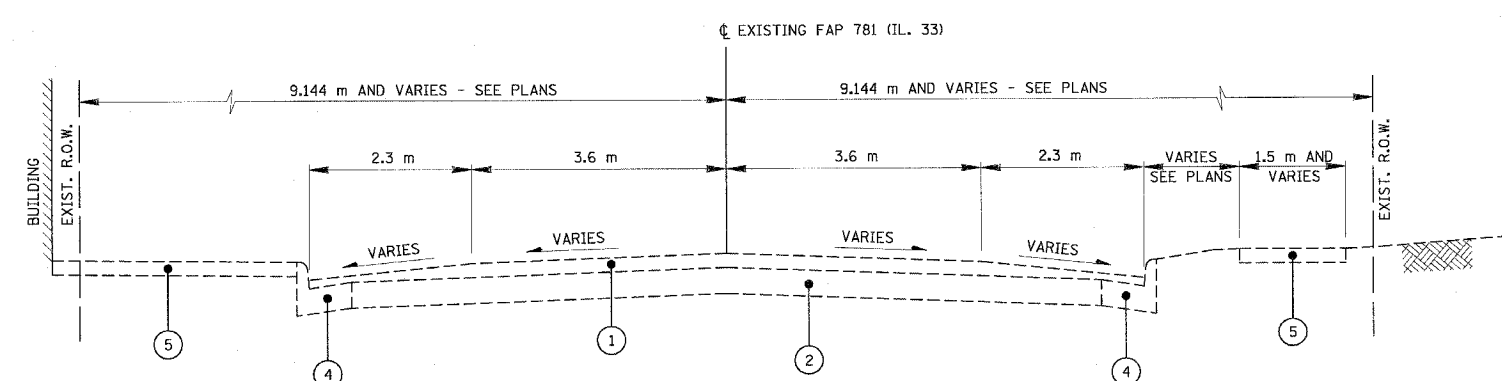
**EXISTING RTE. 33 SECTION**

STA. 0+915.000 TO STA. 2+755.000  
 STA. 4+465.000 TO STA. 4+633.011  
 STA. 5+026.620 TO STA. 9+380.000  
 STA. 9+585.000 TO STA. 16+016.000



**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 M3552100 - HOT-MIX ASPHALT BASE COURSE, VARIABLE DEPTH
- 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 (19mm)
- ⑭ M4063080 - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑮ M4075350 - HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 350mm (312mm BASE COURSE, 38mm SURFACE COURSE)
- ⑯ M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- ⑰ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑱ M3101500 - LIME
- M3100300 - PROCESSING LIME STABILIZED SOIL MIXTURE, 300mm
- 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 MX032553 - TOPSOIL EXCAVATION
- ㉓ MX032879 - TOPSOIL PLACEMENT
- ㉔ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉕ M2034730 - MODULAR RETAINING WALL SYSTEM
- ㉖ PROPOSED STORM SEWER TRUNKLINE

REVISIONS	
NAME	DATE
K.ROSE	1/04/00
R.G.H.	11/28/06
L.W.J.	03/19/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

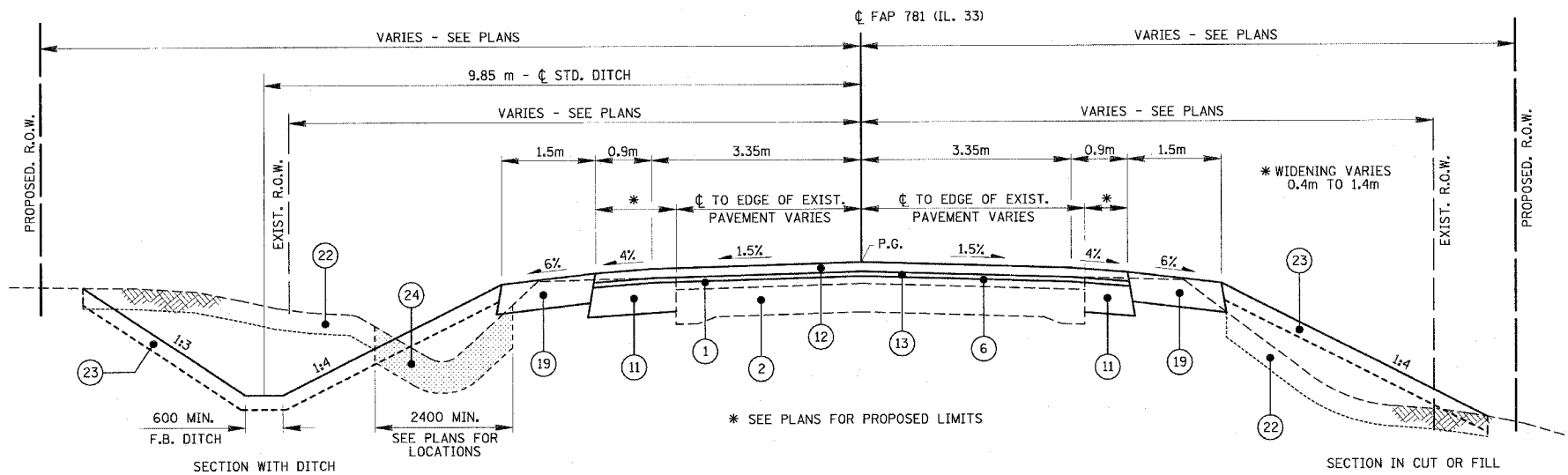
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F.A.P. 781**

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 DATE MARCH 20, 2008 CHECKED BY RGH

PLOT DATE = 3/20/2008  
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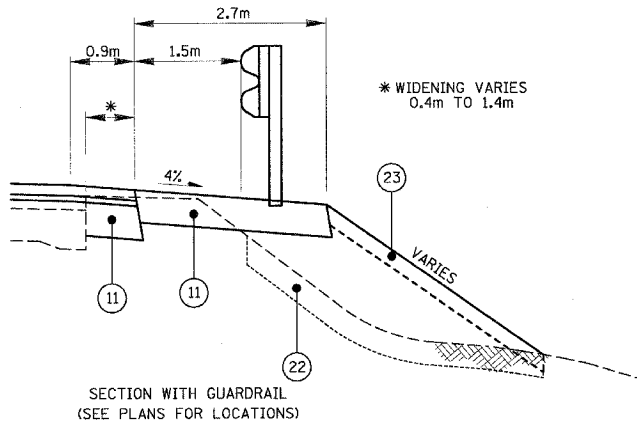
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	10
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. 7+152.219 TO STA. 7+338.093
STA. 2+153.592 TO STA. 2+756.900	STA. 7+501.210 TO STA. 9+385.000
STA. 4+475.071 TO STA. 4+655.000	STA. 9+580.000 TO STA. 11+870.118
STA. 5+025.000 TO STA. 5+908.938	STA. 12+142.906 TO STA. 12+291.152
STA. 6+156.199 TO STA. 6+348.742	STA. 12+587.276 TO STA. 13+143.500
STA. 6+597.330 TO STA. 6+952.819	STA. 13+752.021 (AHD) TO STA. 16+016.000

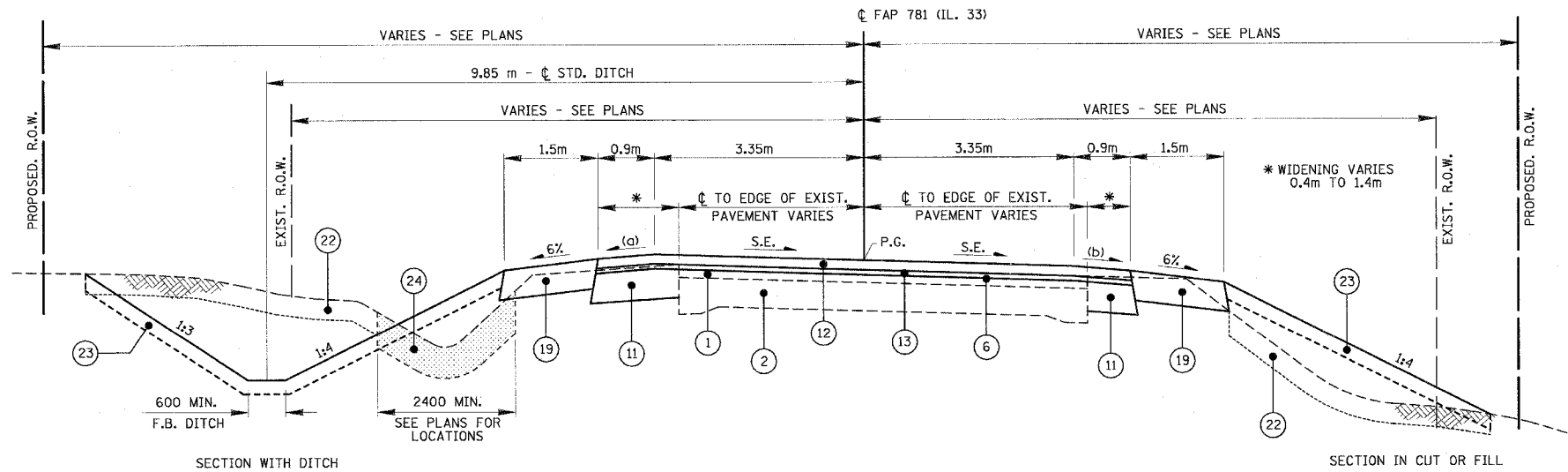


**LEGEND**

- 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 M3552100 - HOT-MIX ASPHALT BASE COURSE, VARIABLE DEPTH
- 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 (19mm)
- ⑭ M4063080 - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑮ M4075350 - HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 350mm (312mm BASE COURSE, 38mm SURFACE COURSE)
- ⑯ M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- ⑰ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑱ M3101500 - LIME
- M3100300 - PROCESSING LIME STABILIZED SOIL MIXTURE, 300mm
- 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 MX032553 - TOPSOIL EXCAVATION
- ㉓ MX032879 - TOPSOIL PLACEMENT
- ㉔ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉕ MZ034730 - MODULAR RETAINING WALL SYSTEM
- ㉖ PROPOSED STORM SEWER TRUNKLINE

**NOTES:**

- LEVELING BINDER THICKNESS TO BE 19 mm AT  $\phi$  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
- (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	STA. 7+338.093 TO STA. 7+501.210
STA. 5+908.938 TO STA. 6+156.199	STA. 11+870.118 TO STA. 12+142.906
STA. 6+348.742 TO STA. 6+597.330	STA. 12+291.152 TO STA. 12+587.276
STA. 6+952.819 TO STA. 7+152.219	

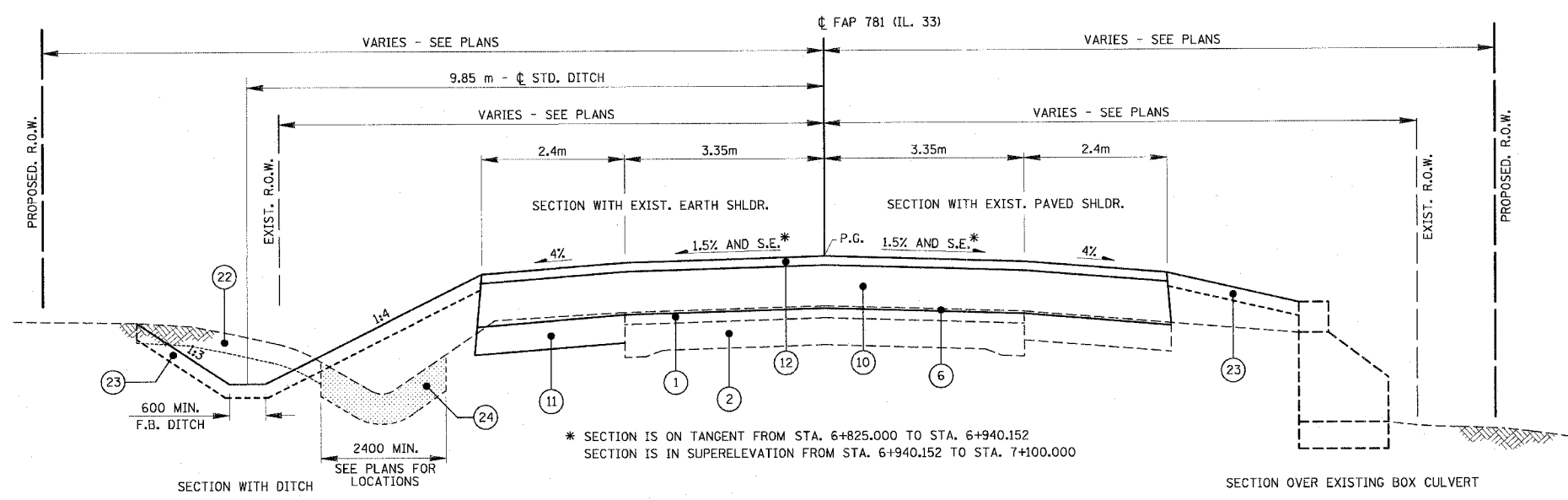
REVISIONS	
NAME	DATE
K.ROSE	1/04/00
R.G.H.	11/28/06
L.W.J.	03/19/08

ILLINOIS DEPARTMENT OF TRANSPORTATION	
<b>TYPICAL SECTIONS</b>	
<b>F.A.P. 781</b>	
SCALE NO SCALE	DRAWN BY KOJ
DATE MARCH 20, 2008	CHECKED BY RGH

PLOT DATE = 2/20/2008  
 FILE NAME = H:\4428\780899\_sypa.mcdgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

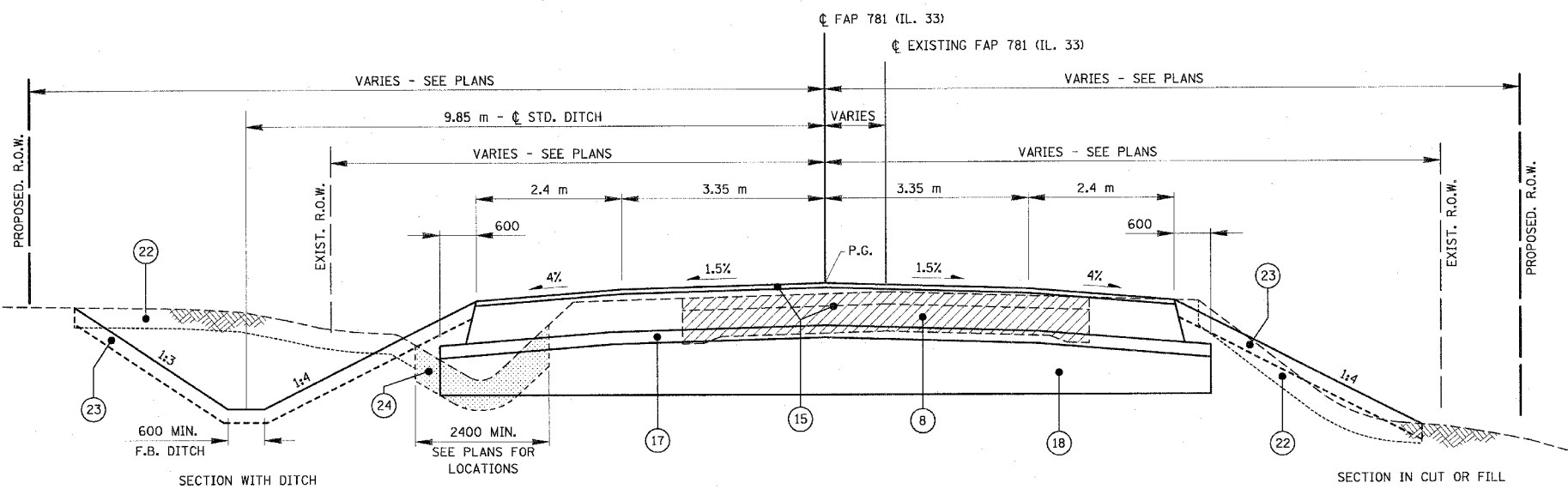


**TYPICAL RTE. 33 RURAL SECTION - VERTICAL REALIGNMENT**  
 STA. 6+825.000 TO STA. 7+100.000

\* SECTION IS ON TANGENT FROM STA. 6+825.000 TO STA. 6+940.152  
 SECTION IS IN SUPERELEVATION FROM STA. 6+940.152 TO STA. 7+100.000

**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 M3552100 - HOT-MIX ASPHALT BASE COURSE, VARIABLE DEPTH
- 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 (19mm)
- ⑭ M4063080 - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑮ M4075350 - HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 350mm (312mm BASE COURSE, 38mm SURFACE COURSE)
- ⑯ M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- ⑰ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑱ M3101500 - LIME
- M3100300 - PROCESSING LIME STABILIZED SOIL MIXTURE, 300mm
- 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 MX032553 - TOPSOIL EXCAVATION
- ㉓ MX032879 - TOPSOIL PLACEMENT
- ㉔ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉕ M2034730 - MODULAR RETAINING WALL SYSTEM
- ㉖ PROPOSED STORM SEWER TRUNKLINE



**TYPICAL RTE. 33 RURAL SECTION - RECONSTRUCTION**  
 STA. 13+143.500 TO STA. 13+750.733 (BK)

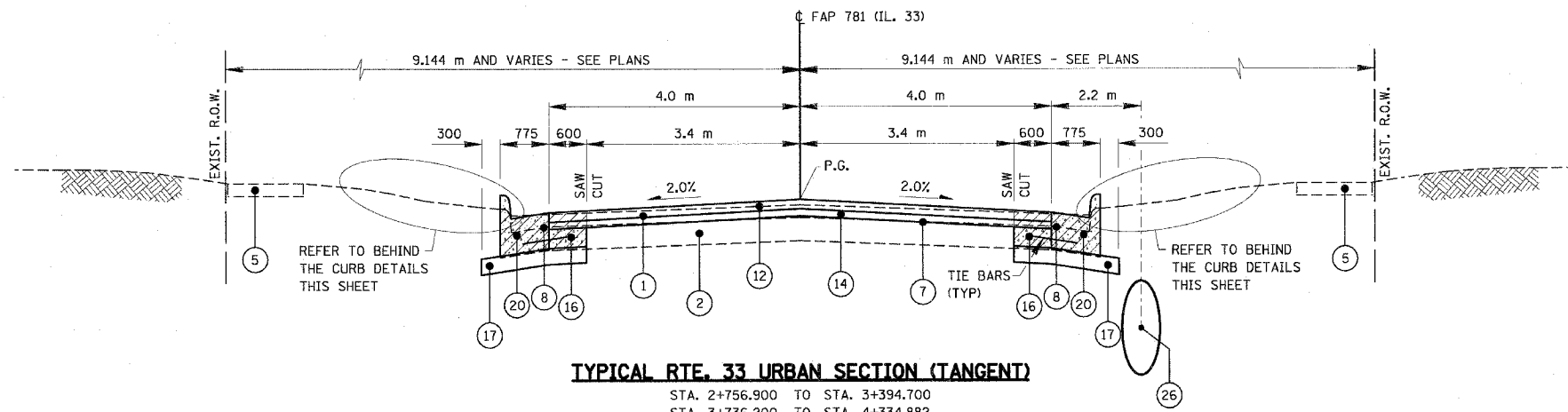
REVISIONS	
NAME	DATE
L.W.J.	03/19/08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
**F.A.P. 781**  
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 DATE MARCH 20, 2008 CHECKED BY RGH

PLOT DATE = 3/20/2008  
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H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

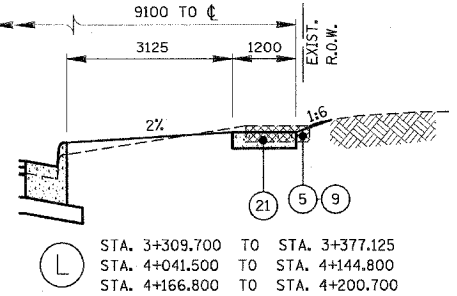
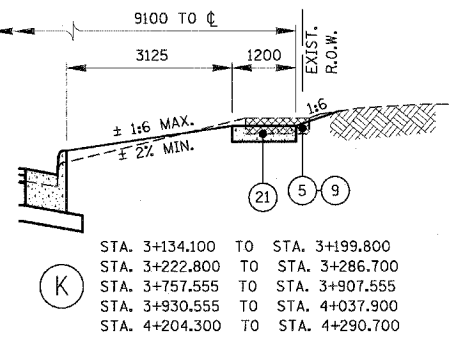
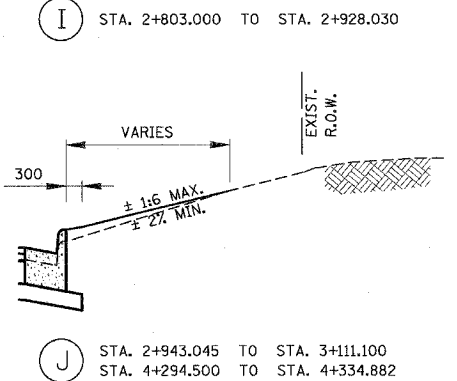
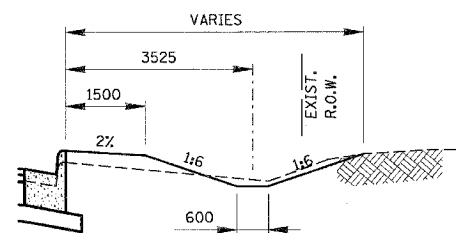
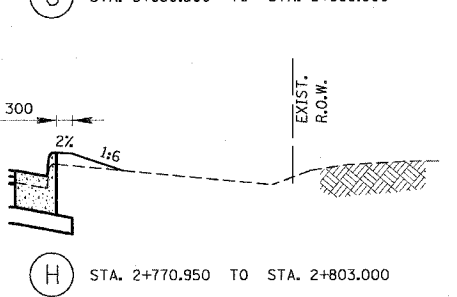
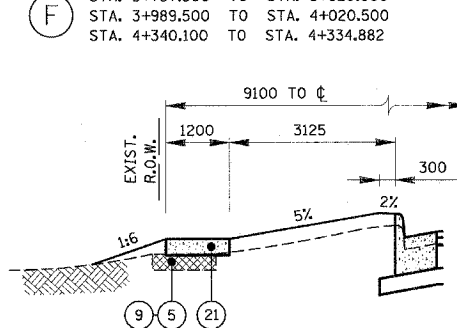
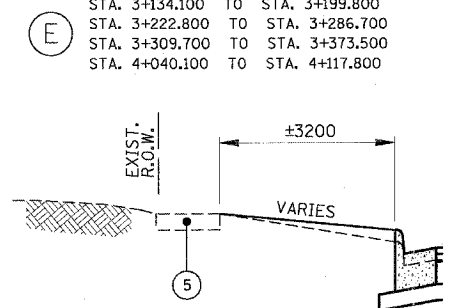
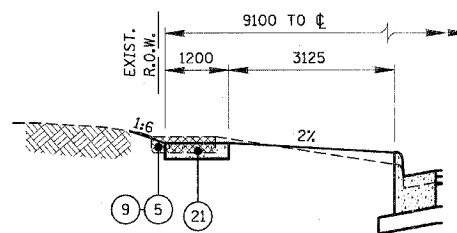
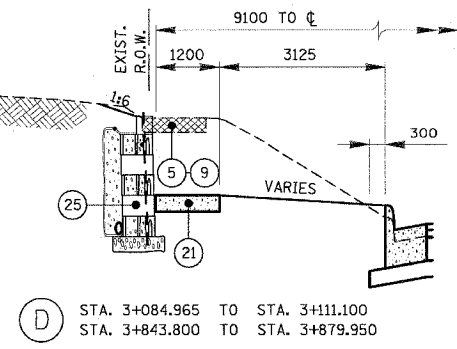
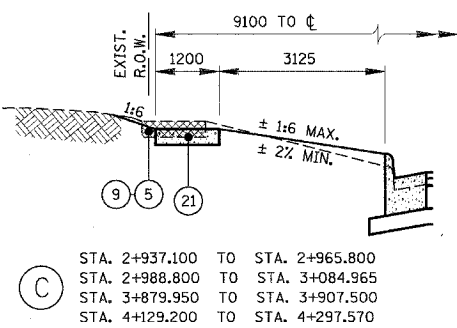
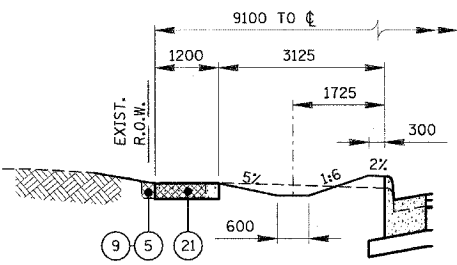
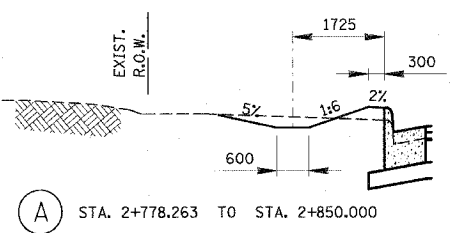


**TYPICAL RTE. 33 URBAN SECTION (TANGENT)**

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
- ⑦ M4400725 - HOT-MIX ASPHALT SURFACE REMOVAL, 25mm
- ⑧ M4400740 - HOT-MIX ASPHALT SURFACE REMOVAL, 40mm
- ⑨ M4400950 - HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑩ M4402000 - PAVEMENT REMOVAL
- ⑪ M4402050 - SIDEWALK REMOVAL
- ⑫ M3552100 - HOT-MIX ASPHALT BASE COURSE, VARIABLE DEPTH
- ⑬ M4820550 - HOT-MIX ASPHALT SHOULDERS, 150mm
- ⑭ M4063340 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (38mm)
- ⑮ M4062135 - LEVELING BINDER (MACHINE METHOD), N70 (19mm)
- ⑯ M4063080 - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑰ M4075350 - HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 350mm (312mm BASE COURSE, 38mm SURFACE COURSE)
- ⑱ M3530200 - PORTLAND CEMENT CONCRETE BASE COURSE, 200mm
- ⑲ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑳ M3101500 - LIME
- ㉑ M3100300 - PROCESSING LIME STABILIZED SOIL MIXTURE, 300mm
- ㉒ M4810150 - AGGREGATE SHOULDERS, TYPE B 150mm
- ㉓ M6060700 - COMBINATION CONCRETE CURB & GUTTER, TYPE B-15.60
- ㉔ M4240100 - P.C. CONCRETE SIDEWALK, 100mm
- ㉕ MX032553 - TOPSOIL EXCAVATION
- ㉖ MX032879 - TOPSOIL PLACEMENT
- ㉗ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉘ M2034730 - MODULAR RETAINING WALL SYSTEM
- ㉙ PROPOSED STORM SEWER TRUNKLINE



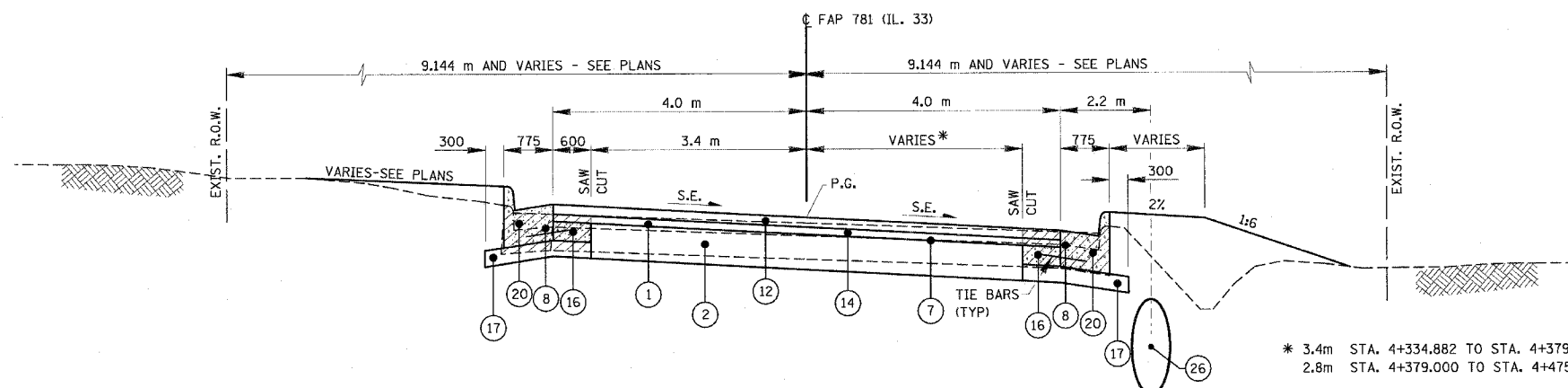
REVISIONS	
NAME	DATE
K.ROSE	1/04/00
R.G.H.	11/28/06
L.W.J.	03/19/08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
**F.A.P. 781**  
 SCALE NO SCALE DRAWN BY KOJ  
 DATE MARCH 20, 2008 CHECKED BY RGH

PLOT DATE = 3/27/2008  
 FILE NAME = HV442070009.dgn

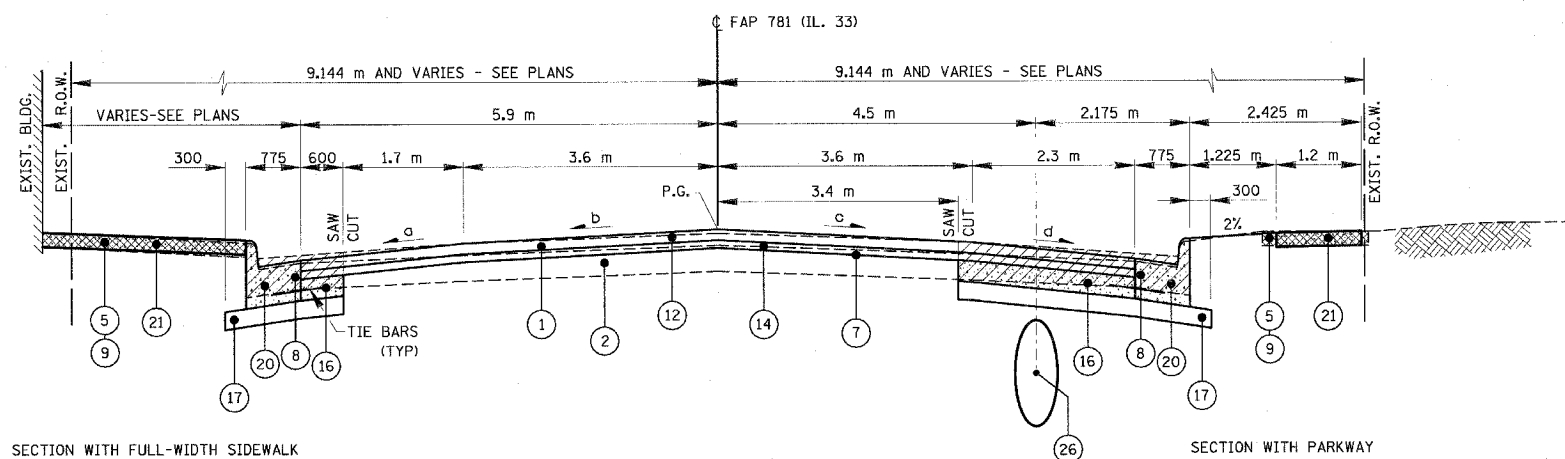
H. M. & C. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	13
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 M3552100 - HOT-MIX ASPHALT BASE COURSE, VARIABLE DEPTH
- 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 (19mm)
- ⑭ M4063080 - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑮ M4075350 - HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 350mm (312mm BASE COURSE, 38mm SURFACE COURSE)
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- ⑰ M3111100 - SUB-BASE GRANULAR MATERIAL, TYPE B, 100mm
- ⑱ M3101500 - LIME
- M3100300 - PROCESSING LIME STABILIZED SOIL MIXTURE, 300mm
- 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 MX032553 - TOPSOIL EXCAVATION
- ㉓ MX032879 - TOPSOIL PLACEMENT
- ㉔ M2021200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉕ MZ034730 - MODULAR RETAINING WALL SYSTEM
- ㉖ PROPOSED STORM SEWER TRUNKLINE

REVISIONS	
NAME	DATE
K.ROSE	1/04/00
R.G.H.	11/28/06
L.W.J.	03/19/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS  
F.A.P. 781**

SCALE NO SCALE DRAWN BY KOJ  
DATE MARCH 20, 2008 CHECKED BY RGH













EARTHWORK SCHEDULE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION (WIDENING)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EMBANKMENT REQUIRED	EMBANKMENT REQUIRED FOR ENTRANCES (SEE NOTE)	EARTH EXCAVATION AVAILABLE (ADJUSTED FOR SHRINKAGE - 25%)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)
STATION	RT/LT	M2020010 CU. M.	M2020050 CU. M.	M2021200 CU. M.	CU. M.	CU. M.	CU. M.	CU. M.	MX032553 CU. M.	MX032879 CU. M.	CU. M.
<b>RURAL</b>											
STA. 0+915 TO STA. 2+756.900	RT/LT	10207.7	316.9		4069.7	1120.3	7893.4	2703.5	3634.0	2970.0	664.0
STA. 1+970 (TR 1000)	RT.	173.3			44.0		130.0	86.0	23.8	101.6	-77.8
		10381.0	316.9	0.0	4113.7	1120.3	8023.4	2789.5	3657.8	3071.6	586.2
<b>OBLONG</b>											
STA. 2+756.900 TO STA. 4+475	RT/LT	1253.7			1416.6		940.3	-476.4	9.7	8.2	1.5
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			
		2187.7	0.0	0.0	1592.2	0.0	1640.8	48.5	9.7	8.2	1.5
<b>RURAL</b>											
STA. 4+475 TO STA. 4+655	RT/LT	623.3	46.0		142.6	2066.7	502.0	-1707.3	300.6	180.0	120.6
STA. 5+025 TO STA. 9+385	RT/LT	19226.4	865.3		7737.8	6106.9	15068.8	1224.1	7666.1	6070.0	1596.1
STA. 5+194.097 (TR300)	RT.	127.8			44.0		95.9	51.9	19.0	16.7	2.3
STA. 6+444.9 (TR375)	LT.	68.8			72.5		51.6	-20.9	34.3	25.4	8.9
STA. 6+446 (TR375)	RT.	57.5			45.8		43.1	-2.7	37.5	27.4	10.1
STA. 7+687.148 (TR 450)	LT.	62.8			18.7		47.1	28.4	28.8	19.1	9.7
STA. 7+687.148 (TR 450)	RT.	56.0			21.6		42.0	20.4	33.9	24.9	9.0
STA. 8+910.897 (TR 525)	LT.	65.6			12.0		49.2	37.2	14.3	18.9	-4.6
STA. 9+580 TO STA. 15+545	RT/LT	37501.7	1063.8	675.1	12074.9	13226.3	28924.1	3622.8	11454.2	9300.0	2154.2
STA. 10+125.278 (TR 600)	LT.	40.8			7.0		30.6	23.6	24.8	25.3	-0.5
STA. 10+125.278 (TR 600)	RT.	69.9			60.8		52.4	-8.4	25.3	34.8	-9.5
STA. 10+736.079 (FIREBAUGH)	RT.	53.7			16.8		40.3	23.5	21.1	14.3	6.8
STA. 12+164.026 (TR725)	LT.	103.9			31.0		77.9	46.9	15.6	21.1	-5.5
STA. 12+164.026 (TR725)	RT.	123.8			14.0		92.9	78.9	8.0	21.5	-13.5
STA. 13+391.693 (TR800)	LT.	66.4			17.0		49.8	32.8	17.7	25.2	-7.5
STA. 13+391.693 (TR800)	RT.	155.2			3.0		116.4	113.4	30.8	27.9	2.9
STA. 15+062.4 (TR900)	LT.	103.1			23.0		77.3	54.3	19.3	13.9	5.4
STA. 15+062.4 (TR900)	RT.	63.6			3.0		47.7	44.7	25.0	20.9	4.1
		58570.2	1975.1	675.1	20345.5	21400.0	45409.0	3663.6	19776.2	15887.3	3888.9
<b>URBAN</b>											
STA. 15+545 TO 16+016	RT/LT	2306.6	83.6		356.5	675.9	1792.7	760.3	720.9	570.0	150.9
STA. 15+661.3 (PASADENA)	RT.	50.3			10.0		37.7	27.7	11.3	9.4	1.9
STA. 15+773.3 (GLENDALE)	RT.	56.7			3.0		42.5	39.5	9.5	10.1	-0.6
		2413.6	83.6	0.0	369.5	675.9	1872.9	827.5	741.7	589.5	152.2
TOTALS		73552.6	2375.6	675.1	26420.9	23196.2	56946.1	7329.1	24185.4	19556.6	4628.8
TOTALS ROUNDED FOR SUMMARY SHEET		73555	2380	680					24190	19560	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION  <b>SCHEDULE OF QUANTITIES</b>  SCALE NO SCALE DRAWN BY KOJ DATE APRIL 18, 2008 CHECKED BY RGH
NAME	DATE	

PLOT DATE = 4/18/2008  
 FILE NAME = HY4428\72014\_sch\_e01\_schedu.res\_VB.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**SEEDING/SODDING/MULCH**

LOCATION				SEEDING CLASS 2	SODDING	SUPPLEMENTAL WATERING			FERTILIZER NUTRIENTS			MULCH, METHOD 2	GRADING AND SHAPING SPECIAL		
						M2500200	M2520100	QTY PER WATERING	NUMBER OF WATERINGS	SUPPLEMENTAL WATERING	NITROGEN			POTASSIUM	PHOSPHORUS
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					
<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	5	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	8.80		1,257			
JOY STREET	TO MADISON STREET	LT		287	4,298	5	21.5	2.01	2.01	2.01		287			
MADISON STREET	TO JEFFERSON STREET	LT		670	10,049	5	50.2	4.69	4.69	4.69		670			
JEFFERSON STREET	TO WASHINGTON STREET	LT		252	3,774	5	18.9	1.76	1.76	1.76		252			
JEFFERSON STREET	TO WASHINGTON STREET	RT		236	3,542	5	17.7	1.65	1.65	1.65		236			
WASHINGTON STREET	TO JACKSON STREET	LT		234	3,508	5	17.5	1.64	1.64	1.64		234			
WASHINGTON STREET	TO JACKSON STREET	RT		270	4,056	5	20.3	1.89	1.89	1.89		270			
JACKSON STREET	TO WILSON STREET	LT		274	4,116	5	20.6	1.92	1.92	1.92		274			
JACKSON STREET	TO ADAMS STREET	RT		252	3,779	5	18.9	1.76	1.76	1.76		252			
WILSON STREET	TO STA 3+483	LT		137	2,059	5	10.3	0.96	0.96	0.96		137			
STA 3+483	TO RANGE STREET	LT		13	194	5	1.0	0.09	0.09	0.09		13			
ADAMS STREET	TO RANGE STREET	RT		16	241	5	1.2	0.11	0.11	0.11		16			
RANGE STREET	TO GARFIELD STREET	LT		8	124	5	0.6	0.06	0.06	0.06		8			
GARFIELD STREET	TO GRANT STREET	LT		136	2,045	5	10.2	0.95	0.95	0.95		136			
GARFIELD STREET	TO GRANT STREET	RT		62	932	5	4.7	0.43	0.43	0.43		62			
GRANT STREET	TO HARRISON STREET	LT		287	4,310	5	21.6	2.01	2.01	2.01		287			
HARRISON STREET	TO TAYLOR STREET	LT		314	4,704	5	23.5	2.20	2.20	2.20		314			
GRANT STREET	TO TAYLOR STREET	RT		557	8,354	5	41.8	3.90	3.90	3.90		557			
TAYLOR STREET	TO HAYES STREET	LT		687	10,302	5	51.5	4.81	4.81	4.81		687			
TAYLOR STREET	TO ROOSEVELT STREET	RT		798	11,968	5	59.8	5.59	5.59	5.59		798			
HAYES STREET	TO LEGION PARKWAY	LT		541	8,114	5	40.6	3.79	3.79	3.79		541			
ROOSEVELT STREET	TO STA 4+475	RT		1,426	21,387	5	106.9	9.98	9.98	9.98		1,426			
LEGION PARKWAY	TO STA 4+475	LT		730	10,949	5	54.7	5.11	5.11	5.11		730			
<b>RURAL</b>															
STA 4+475.07	TO STA 4+655	LT	0.08				8.27	8.27	8.27	0.08					
STA 4+475.07	TO STA 4+655	RT	0.10				9.94	9.94	9.94	0.10					
STA 5+009	TO STA 9+385	LT	3.23				322.96	322.96	322.96	3.19					
STA 5+025	TO STA 9+385	RT	2.84				284.38	284.38	284.38	2.80					
STA 9+580	TO STA 15+545	LT	4.52				452.00	452.00	452.00	4.46					
STA 9+580	TO STA 15+545	RT	4.78				477.89	477.89	477.89	4.61					
<b>URBAN</b>															
STA 15+545	TO STA 16+016	LT	0.29				29.48	29.48	29.48	0.29					
STA 15+545	TO STA 16+016	RT	0.28				27.72	27.72	27.72	0.28					
<b>TOTALS</b>				19.11	9,815		736.1	1,979.31	1,979.31	1,979.31	18.46	9,815			
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				19.2	9,815		736.2	1,980	1,980	1,980	18.5	9,815			

**EROSION CONTROL BLANKET**

LOCATION	AREA
	SQ METER
1+825 TO 1+880 LT	110
1+825 TO 1+880 RT	110
1+885 TO 1+925 RT	80
5+725 TO 5+745 LT	40
5+725 TO 5+745 RT	40
6+925 TO 6+945 RT	40
6+960 TO 6+980 LT	40
6+960 TO 6+980 RT	40
10+065 TO 10+100 RT	70
10+200 TO 10+225 RT	50
10+225 TO 10+275 RT	100
11+400 TO 11+447 RT	94
11+450 TO 11+470 LT	40
11+710 TO 11+775 RT	130
11+720 TO 11+741 LT	42
11+772 TO 11+777 LT	10
11+800 TO 11+825 LT	50
12+738 TO 12+870 LT	264
12+738 TO 12+875 RT	274
12+875 TO 12+887 RT	24
12+900 TO 12+925 LT	50
13+625 TO 13+655 RT	60
<b>TOTAL</b>	<b>1,758</b>

**PERIMETER EROSION BARRIER**

LOCATION	LENGTH
	METER
0+950 TO 1+050 LT	100
6+875 TO 6+940 LT	65
7+200 TO 7+250 LT	50
9+125 TO 9+385 LT	260
9+200 TO 9+385 RT	185
9+580 TO 9+725 LT	145
9+580 TO 9+675 RT	95
10+050 TO 10+100 LT	50
10+150 TO 10+200 RT	50
10+150 TO 10+250 LT	100
11+450 TO 11+550 RT	100
11+475 TO 11+500 LT	25
12+575 TO 12+625 RT	50
<b>TOTAL</b>	<b>1,275</b>

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 APRIL 18, 2008      CHECKED BY RGH</p>

PLOT DATE = 4/18/2008  
FILE NAME = H:\4428\7801\sch.e11.schedulen.v8.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**INLET AND PIPE PROTECTION**

STATION	SIDE	QUANTITY EACH	STATION	SIDE	QUANTITY EACH
0+945	RT	1	9+181	RT	1
1+195	LT	1	9+691	RT	1
1+423	RT	1	9+717	RT	1
1+455	LT&RT	2	10+329	RT	1
1+606	RT	1	10+340	LT	1
1+746	LT	1	10+511	LT	1
1+755	RT	1	10+570	RT	1
1+955	LT	1	10+714	RT	1
2+204	LT	1	10+747	LT	1
2+415	RT	1	10+749	RT	1
2+542	LT	1	10+773	LT	1
4+434	RT	1	10+801	LT	1
4+519	RT	1	10+833	LT	1
4+574	LT	1	10+889	RT	1
4+590	RT	1	10+922	LT	1
4+610	LT	1	10+927	RT	1
5+096	RT	1	11+137	LT	1
5+153	LT	1	11+256	RT	1
5+203	LT&RT	2	11+315	LT	1
5+354	LT	1	11+584	RT	1
5+355	RT	1	11+741	LT	1
5+457	LT	1	11+894	RT	1
5+606	RT	1	11+926	RT	1
5+612	LT	1	12+345	RT	1
5+639	RT	1	12+346	LT	1
5+712	LT	1	13+000	LT	1
5+778	LT	1	13+068	LT	1
5+945	RT	1	13+095	RT	1
6+092	RT	1	13+105	LT	1
6+148	RT	1	13+147	LT	1
6+187	LT	1	13+172	LT	1
6+189	RT	1	13+214	LT	1
6+309	RT	1	13+255	LT	1
6+438	RT	1	13+339	LT	1
6+450	LT	1	13+472	LT	1
6+455	RT	1	13+482	RT	1
6+494	RT	1	13+518	RT	1
6+511	LT	1	13+595	RT	1
6+553	LT	1	13+680	RT	1
6+562	RT	1	13+762	RT	1
6+583	LT	1	13+812	LT	1
6+624	RT	1	13+813	RT	1
6+628	LT	1	13+992	LT	1
6+644	LT	1	14+088	RT	1
6+738	RT	1	14+224	RT	1
6+776	RT	1	14+230	LT	1
6+810	RT	1	14+241	RT	1
6+896	RT	1	14+252	LT	1
7+080	RT	1	14+434	RT	1
7+026	LT	1	14+439	LT	1
7+054	RT	1	14+544	LT	1
7+166	RT	1	14+592	LT	1
7+301	LT	1	14+618	RT	1
7+339	LT	1	14+621	LT	1
7+403	LT	1	14+653	LT	1
7+478	LT	1	14+654	RT	1
7+486	RT	1	14+687	RT	1
7+515	LT	1	14+703	LT	1
7+680	RT	1	14+718	RT	1
7+692	RT	1	14+751	LT	1
7+697	LT&RT	2	14+754	RT	1
7+762	LT	1	14+797	LT	1
8+050	RT	1	14+873	RT	1
8+170	RT	1	14+896	RT	1
8+303	LT	1	14+935	LT&RT	2
8+320	RT	1	14+990	LT	1
8+463	LT&RT	2	15+243	LT	1
8+570	LT	1	15+332	LT	1
8+615	RT	1	15+361	LT	1
8+623	LT	1	15+376	LT&RT	2
8+643	LT	1	15+460	RT	1
8+660	RT	1	15+465	LT	1
8+678	RT	1	15+519	RT	1
8+717	RT	1	15+520	LT	1
8+731	LT	1	15+535	LT&RT	2
8+741	RT	1	15+606	LT	1
8+761	LT	1	15+671	LT&RT	2
8+770	RT	1	15+733	RT	1
8+783	LT	1	15+863	RT	1
8+854	RT	1	15+864	LT	1
8+855	LT	1	15+884	LT	1
8+881	RT	1	15+924	RT	1
8+939	RT	1	15+951	LT	1
9+065	LT	1			
SUB-TOTAL		88	SUB-TOTAL		87
			GRAND TOTAL		175

**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									
				1.2m x 0.6m	1.8m x 1.2m	3.0m x 0.9m	750 x 450	900 x 300	1.2m x 0.6m			1.5m x 0.9m	1.8m x 0.6m
M	M	M	M	M	M	M	M	M	EACH	EACH			
<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 - SEE STORM SEWER SCHEDULE</b>													
7	STA 3+901.180	LT	BOX CULVERT										
<b>RURAL</b>													
8	STA 5+750.192	AR	EXTENSION	See Structure Plans For Quantities									
9	STA 6+430.000	AR	BOX CULVERT						16.20		2	1	
10	STA 7+189.092	AR	EXTENSION	See Structure Plans For Quantities									
11	STA 7+421.533	AR	EXTENSION	See Structure Plans For Quantities									
12	STA 7+687.147	LT	BOX CULVERT				18.30				2		
13	STA 7+687.147	RT	BOX CULVERT				18.30				2		
14	STA 8+080.000	AR	BOX CULVERT			21.60					2	1	
15	STA 8+828.407	AR	EXTENSION	See Structure Plans For Quantities									
16	STA 11+203.000	AR	EXTENSION	See Structure Plans For Quantities									
17	STA 12+895.187	AR	EXTENSION	See Structure Plans For Quantities									
18	STA 13+375.000	AR	BOX CULVERT				16.20				2		
19	STA 13+660.000	AR	BOX CULVERT			21.60					2		
20	STA 15+172.500	AR	BOX CULVERT					14.40			2	1	
21	STA 15+376.500	AR	BOX CULVERT					13.50			2	1	
<b>URBAN</b>													
22	STA 15+940.000	AR	BOX CULVERT			14.40					2	1	
TOTALS				19.80	25.20	43.20	51.00	29.70	30.60	9.00	15.30	26	8
TOTALS ROUNDED FOR SUMMARY SHEET				19.8	25.2	43.2	51.0	29.7	30.6	9.0	15.3	26	8

**PAVEMENT MARKING SCHEDULE**

STATION	TO	STATION	METER	SHORT TERM PAVEMENT MARKING	TEMPORARY PAINT PAVEMENT MARKING LINE	PAINT PAVEMENT MARKING LINE				RAISED REFLECTIVE PAVEMENT MARKER	
						100 MM		150 MM	600 MM		
						WHITE	YELLOW	WHITE	WHITE		
METER	METER	METER	METER	METER	METER	METER	METER	(EACH)			
0+915.0	TO	4+655.0	1,496	4,035	1,711	4,035	1,711	106.8	15.6	153	
5+025.0	TO	9+385.0	1,744	8,504	3,100	8,504	3,100			179	
9+580.0	TO	13+750.733	1,668	8,086	3,191	8,086	3,191			171	
13+752.021	TO	16+016.0	906	4,384	566	4,384	566			93	
TOTALS				5,814	25,009	8,568	25,009	8,568	106.8	15.6	596

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 APRIL 18, 2008      CHECKED BY RGH</p>

PLOT DATE = 4/18/2008  
 FILE NAME = H:\4428\7801\4\_sph\_all\_scheduled.vb.dgn

H. M. & G. NO. 4420









F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PROPOSED PAVEMENT SCHEDULE

LOCATION				PROCESSING LIME STABILIZED SOIL MIXTURE, 300MM	LIME	SUB-BASE GRANULAR MATERIAL, TYPE B, 100MM	PORTLAND CEMENT CONCRETE BASE COURSE, 200MM	HOT-MIX ASPHALT BASE COURSE, VARIABLE DEPTH	BITUMINOUS MATERIALS (PRIME COAT)		AGGREGATE (PRIME COAT)	LEVEING BINDER (MACHINE METHOD), N70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 350MM	AGGREGATE SHOULDERS, TYPE B, 150MM	HOT-MIX ASPHALT SHOULDERS, 150MM
				M3100300	M3101500	M3111100	M3530200	M3552100	M4060100		M4060300	M4062135	M4063085	M4063340	M4075350	M4812150	M4820550
STATION	TO	STATION	LT/RT	SQ M	M TON	SQ M	SQ M	SQ M	LITER	LITER	M TON	M TON	M TON	M TON	SQ M	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	9.57
0+935.000	TO	2+756.900	LT&RT						5420.15	5420.15	46.46			1412.34		5318.26	1899.79
<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	4.80
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			
<b>RURAL</b>																	
4+475.071	TO	4+635.000	LT&RT						475.79	475.79	4.08	74.38		123.98		382.22	281.12
4+635.000	TO	4+655.000	LT&RT						54.96	54.96	0.47			14.32		77.96	12.39
<b>DOGWOOD CREEK BRIDGE AND ROAD OMMISION</b>																	
5+025.000	TO	5+045.000	LT&RT						54.95	54.95	0.47	821.40		14.32		78.06	16.18
5+045.000	TO	6+825.000	LT&RT					3162.50	5295.50	5295.50	45.39			1379.86		4707.38	1906.77
6+825.000	TO	7+100.000	LT&RT						1106.88	1106.88	9.49			288.42			599.36
7+100.000	TO	9+365.000	LT&RT						6738.38	6738.38	57.76	985.20		1755.83		5878.15	2789.24
9+365.000	TO	9+385.000	LT&RT						59.50	59.50	0.51			15.50		24.37	31.75
<b>BIG CREEK BRIDGE AND ROAD OMMISION</b>																	
9+580.000	TO	9+600.000	LT&RT						59.50	59.50	0.51			15.50		48.73	30.01
9+600.000	TO	13+143.500	LT						5536.25	5536.25	47.45	2061.38		1442.59		4434.72	2612.22
9+600.000	TO	13+095.000	RT						5412.25	5412.25	46.39			1410.28		4489.80	2804.28
13+095.000	TO	13+143.500	RT						97.61	97.61	0.84			25.43			101.63
13+143.500	TO	13+750.733(BK)	LT&RT	7711.86	158.62	7711.86			11567.79	2444.11	10.47				6983.18		
13+752.021(AHD)	TO	15+545.000	LT						2667.06	2667.06	22.86	418.50		694.96		2287.33	699.99
13+752.021(AHD)	TO	13+810.000	RT						116.68	116.68	1.00	418.50		30.40			144.29
13+810.000	TO	15+545.000	RT						2580.81	2580.81	22.12			672.49		2367.42	984.64
<b>URBAN</b>																	
15+545.000	TO	15+996.000	LT&RT						1341.73	1341.73	11.50	248.71		349.62		1181.04	422.10
15+996.000	TO	16+016.000	LT&RT						59.85	59.85	0.51			15.60		54.93	3.17
<b>TOTAL</b>				7711.86	158.62	14150.69	2759.87	3162.50	53968.37	44844.69	373.91	6457.39	1395.65	11048.38	6983.18	31380.91	15353.30
<b>TOTALS ROUNDED FOR SUMMARY SHEET</b>				7.712	158.7	14,151	2,760	3,163	107,937	374	6,458	1,396	11,049	6,984	31,381	15,354	

PLOT DATE = 4/18/2008  
 FILE NAME = HV442078014\_sch\_all\_schedulea.16.dgn

H. M. & G. NO. 4420

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE NO SCALE		DRAWN BY KOJ
DATE APRIL 18, 2008		CHECKED BY RGH

SCHEDULE OF QUANTITIES













F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	32
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 EACH	MX540110 METER	54001007 EACH	
	STATION	OFFSET	LT/RT		STATION	OFFSET	LT/RT	M542E128 EACH	M542E148 EACH	M542C212 EACH	M542C220 EACH	M542C228 EACH	M542C236 EACH	M542C244 EACH	M542C248 EACH				
METER				METER															
<b>IL 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		1										
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	1											
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						1						
0	3+550.000	4.500	RT	0	3+536.000	4.500	RT						1						
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	RT	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							1					
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	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	4.500	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	RT	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	RT	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  <b>STORM SEWER SCHEDULE</b>  SCALE _____ DRAWN BY KOJ DATE APRIL 18, 2008 CHECKED BY RGH
NAME	DATE	

PLOT DATE = 4/18/2008  
FILE NAME = H:\4428\78031\_sch\_sbor\_m\_sewer.dgn

H. M. & C. NO. 4420





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	34
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 EACH	MX540110 METER	54001007 EACH
	STATION	OFFSET	LT/RT		STATION	OFFSET	LT/RT	M542E128 EACH	M542E148 EACH	M542C212 EACH	M542C220 EACH	M542C228 EACH	M542C236 EACH	M542C244 EACH	M542C248 EACH			
	METER			METER														
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											
172	2+905.000	-6.200	LT	174	2+885.248	6.200	LT								1			
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	
SCALE	DRAWN BY KOJ	STORM SEWER SCHEDULE
DATE APRIL 18, 2008	CHECKED BY RGH	

PLOT DATE = 4/18/2008  
FILE NAME = H:\428\70031\_sch\_storm\_sewer.dgn



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	36
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			
								EACH	EACH	EACH	EACH	EACH	EACH	EACH	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 APRIL 18, 2008		CHECKED BY RGH

PLOT DATE = 4/18/2008  
FILE NAME = H:\4428\70031\_sch\_storm sewer.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**STORM SEWER SCHEDULE (CONTINUED)**

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	TRENCH BACKFILL	STORM SEWERS, CLASS B	STORM SEWERS, CLASS A											RESTRICTED DEPTH MANHOLES						INLETS, TYPE A			INLETS, TYPE B						
				TYPE 1	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										
					150MM	300MM	450MM	600MM	750MM	900MM	1050MM	1.2 M	1.5 M	1.8 M	2.4 M						1.2 M	1.5 M	1.8 M							
STR #	LOCATION			STR #	LOCATION			M2080150	M5500215	M5500430	M5500450	M5500465	M5500475	M5500485	M5500495	M6022110	M6022210	M6022310	M6023255	M6022115	M6022215	M6022315	60235700	60236200	60236800	60240220	60240301			
	STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT																								
	METER			METER			CU M	METER	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 = 4/18/2008  
FILE NAME = H:\4420\7003\sch\_storm sewer.dgn

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>STORM SEWER SCHEDULE</b>
SCALE		DRAWN BY KOJ
DATE APRIL 18, 2008		CHECKED BY RGH

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	38
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 EACH	MX540110 METER	54001007 EACH
	STATION	OFFSET METER	LT/RT		STATION	OFFSET METER	LT/RT	M542E128 EACH	M542E148 EACH	M542C212 EACH	M542C220 EACH	M542C228 EACH	M542C236 EACH	M542C244 EACH	M542C248 EACH			
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

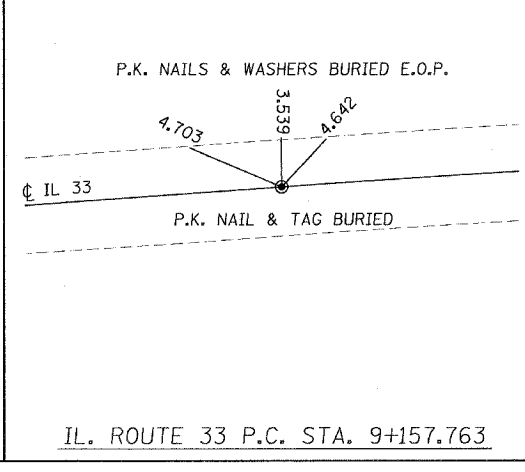
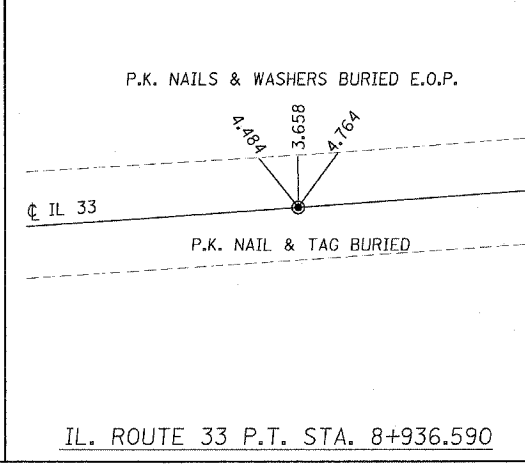
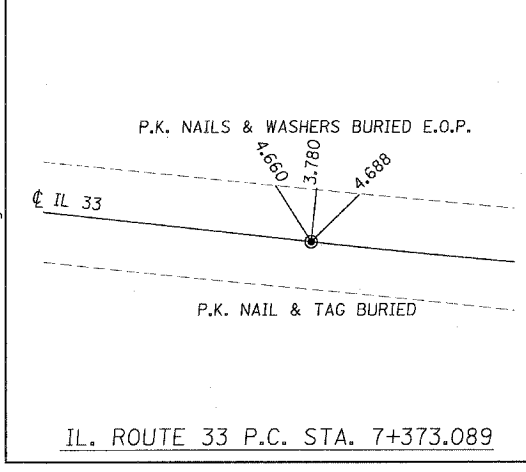
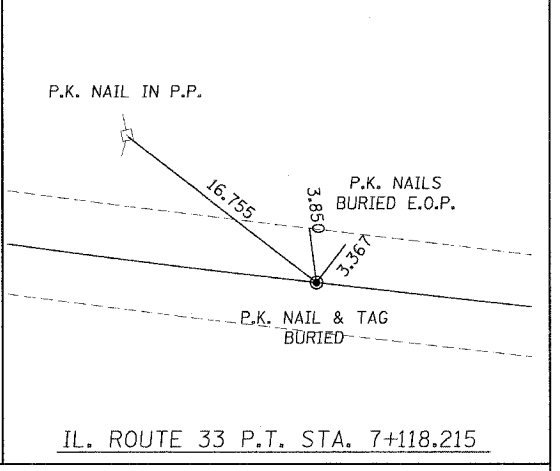
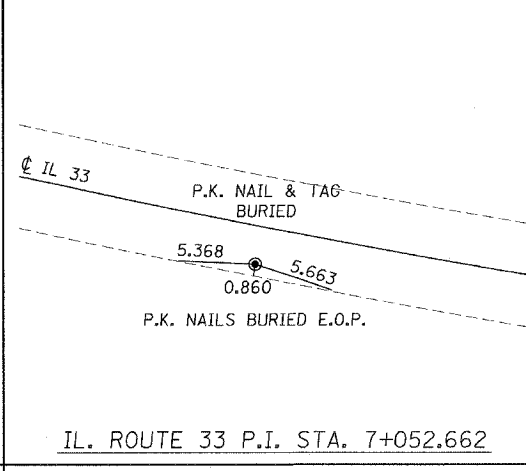
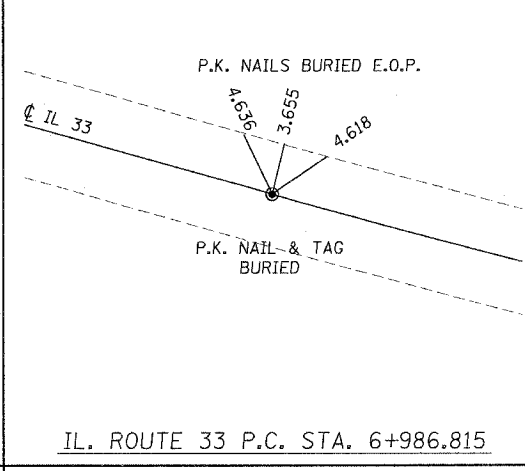
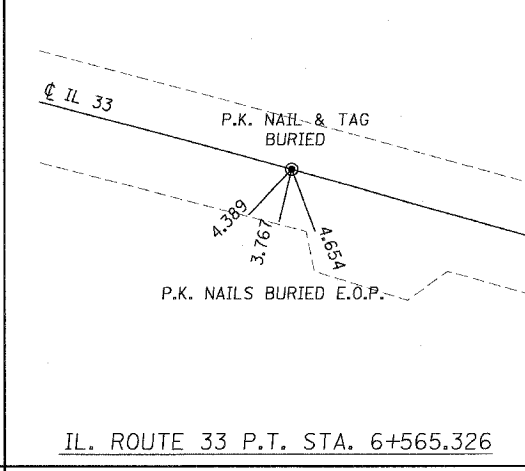
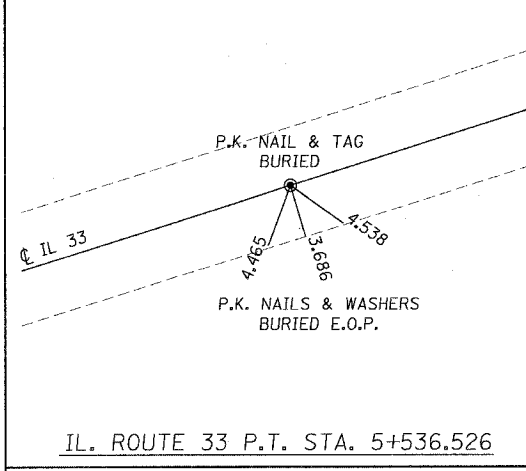
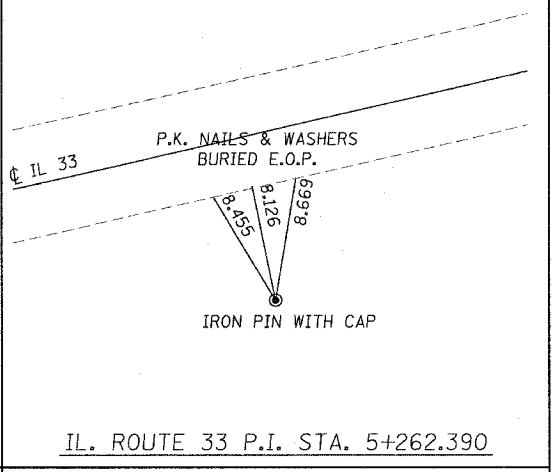
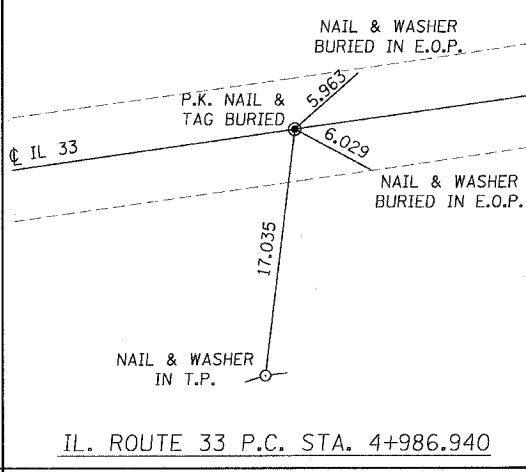
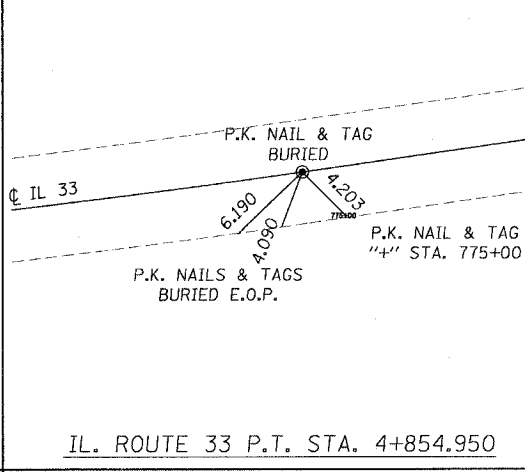
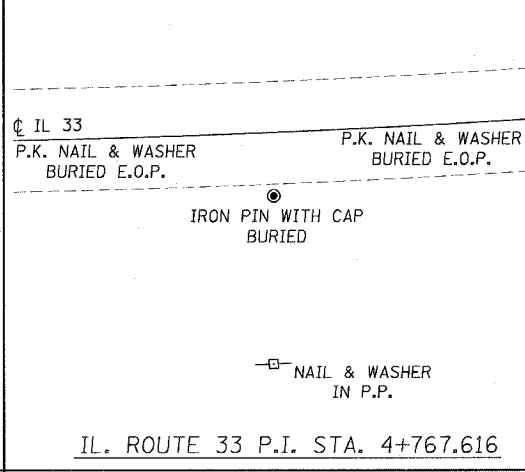
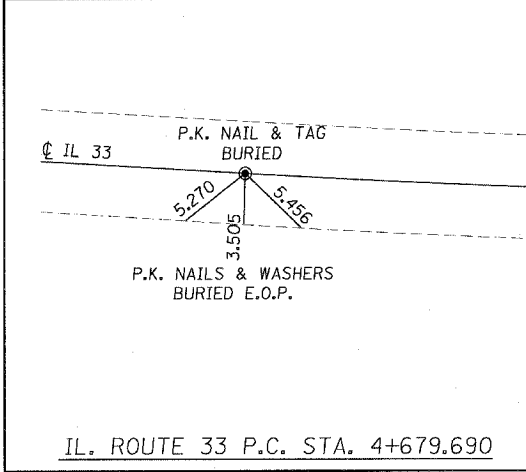
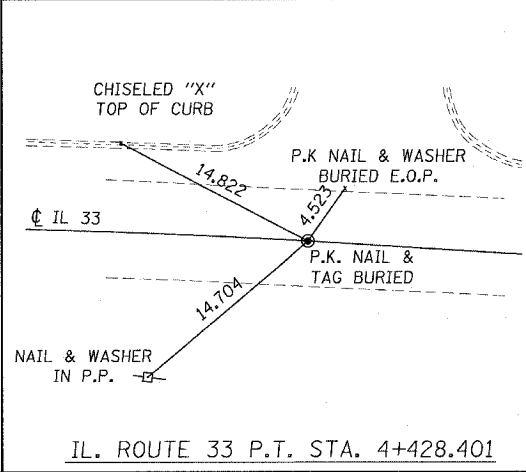
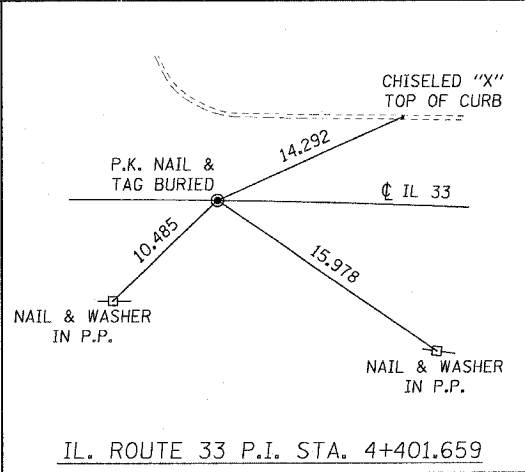
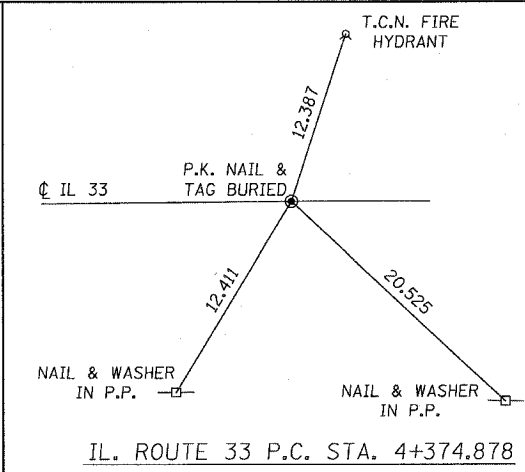
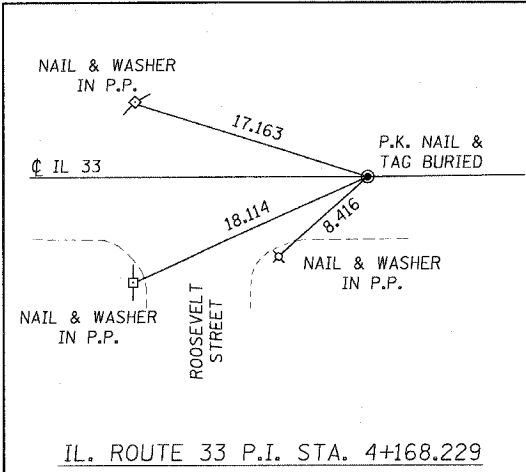
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	39
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTE: NORTH ARROW APPLIES TO ALL TIES



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCAL TIES**

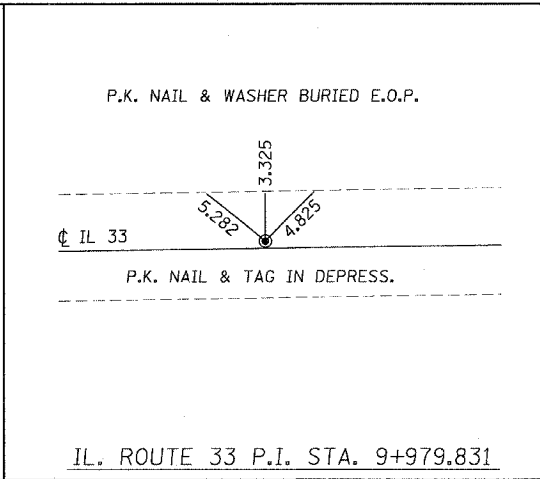
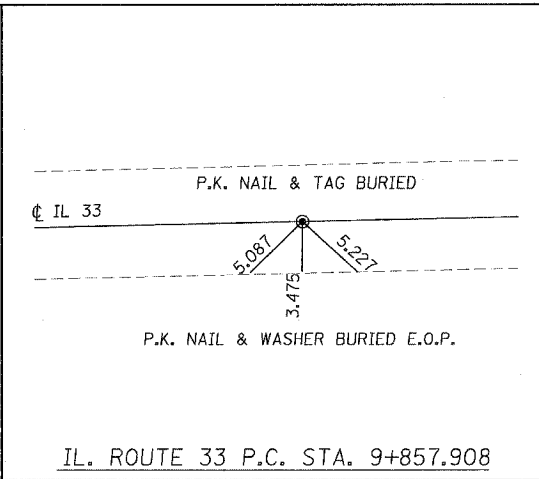
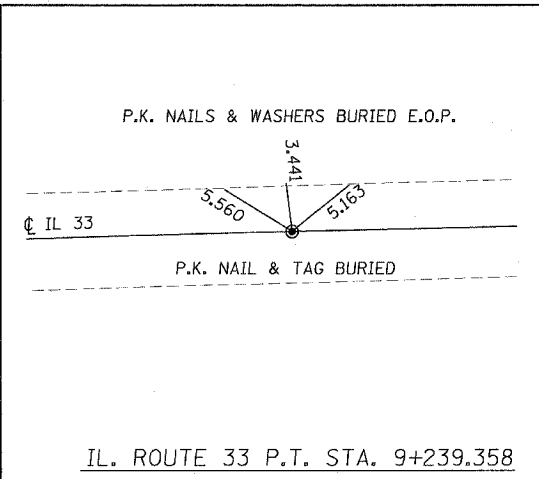
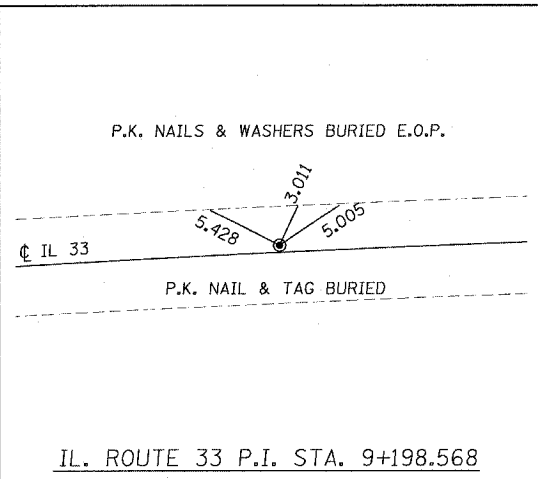
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DATE MARCH 20, 2008

DRAWN BY EDW  
CHECKED BY RGH

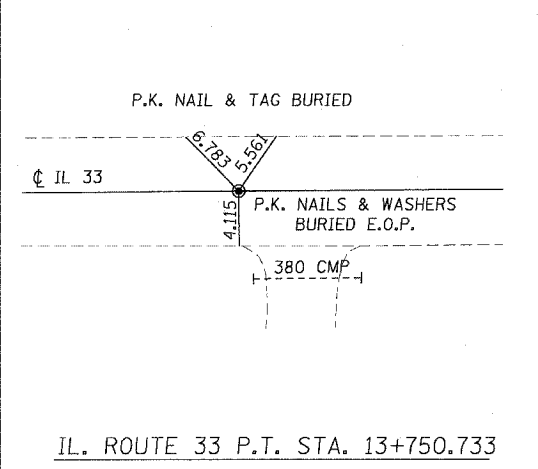
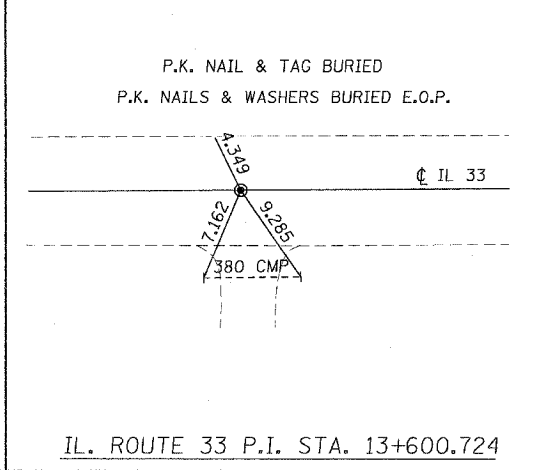
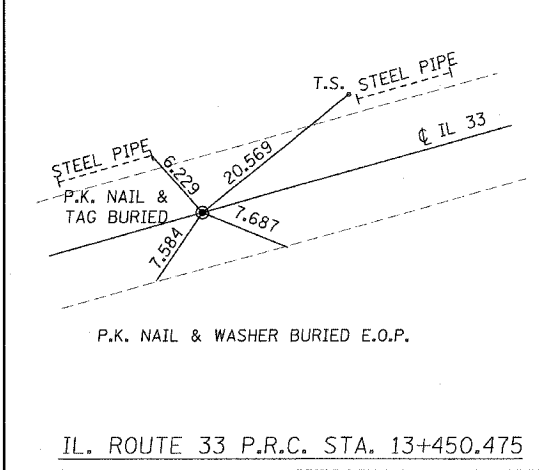
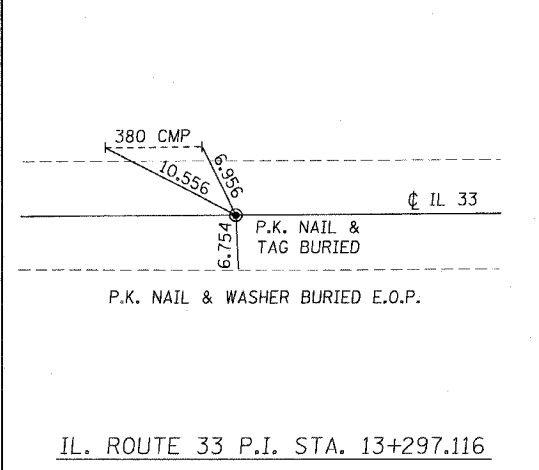
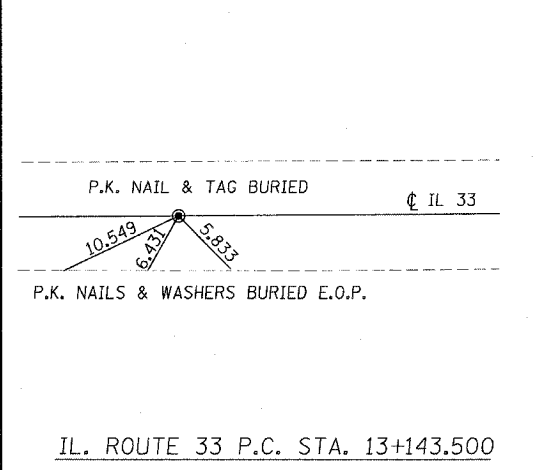
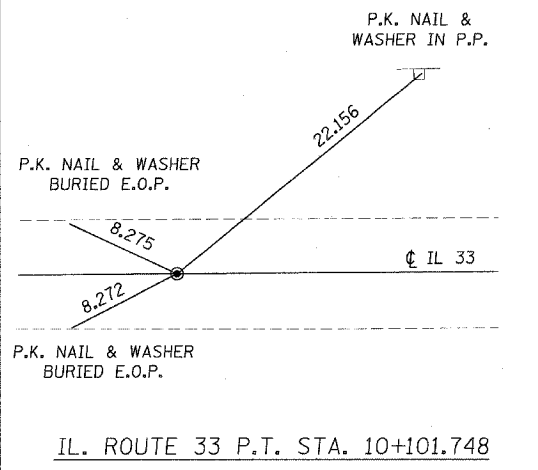
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H. M. & C. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTE: NORTH ARROW APPLIES TO ALL TIES



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCAL TIES**

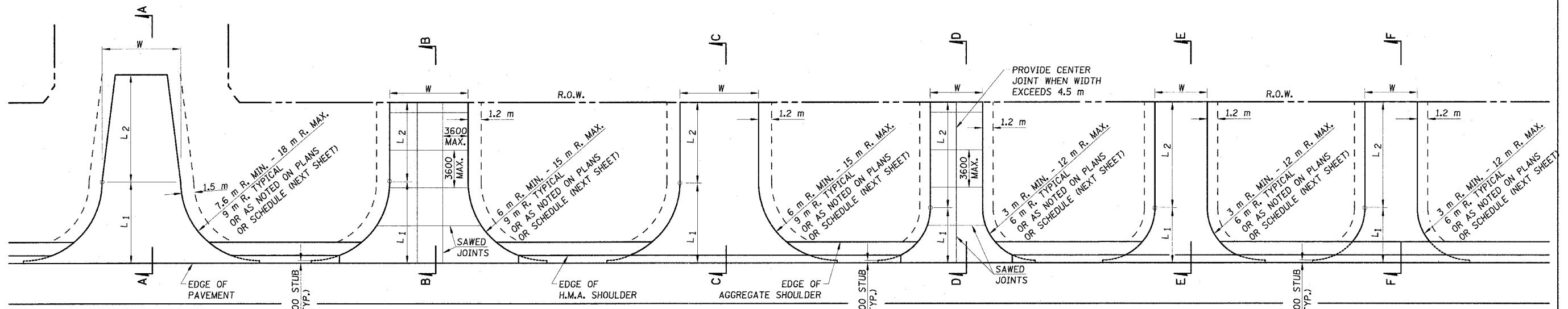
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H. M. & G. NO. 4420



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	41
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**PUBLIC ROAD**

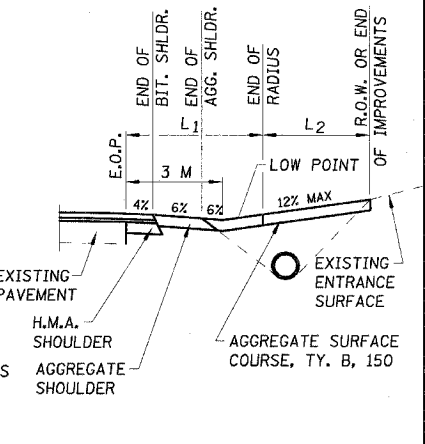
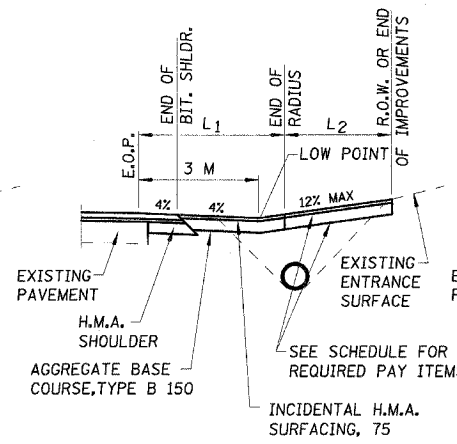
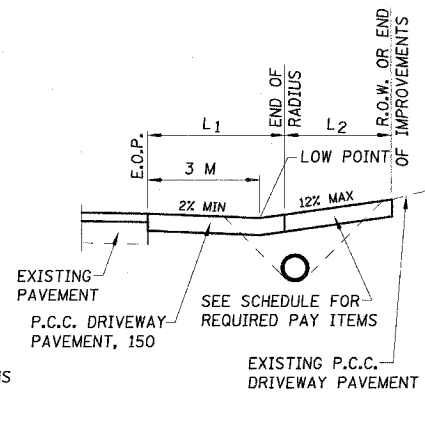
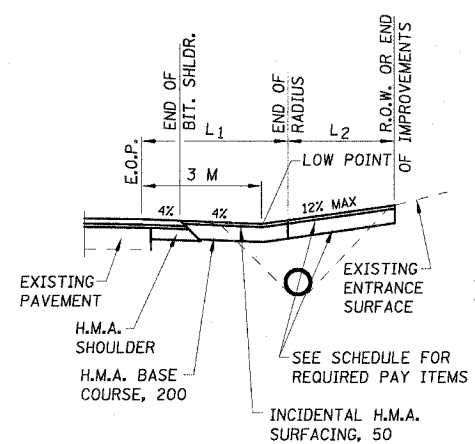
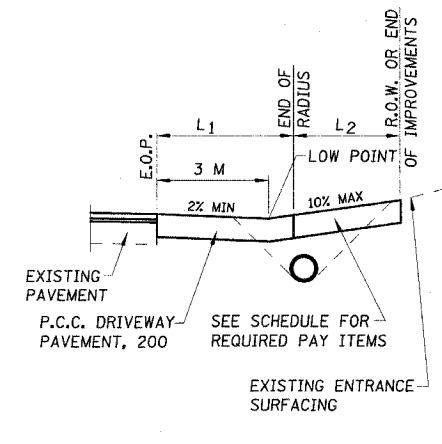
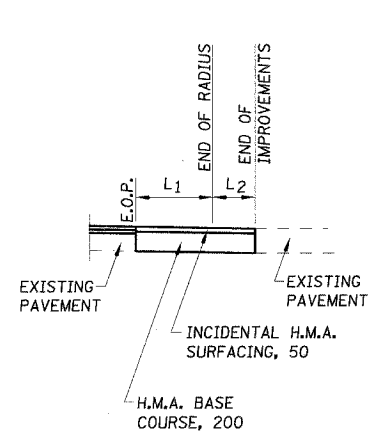
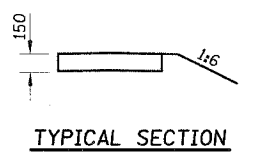
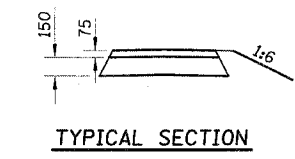
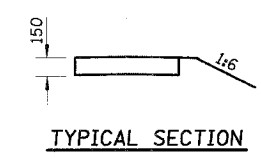
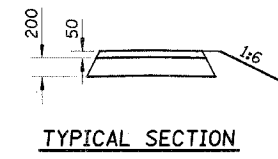
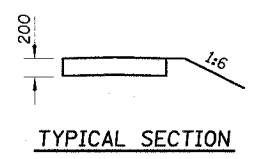
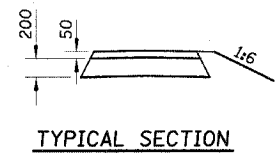
**COMMERCIAL (P.C.C.)**

**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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RURAL ENTRANCE DETAILS**

SCALE AS SHOWN  
DATE APRIL 18, 2008  
DRAWN BY EDW  
CHECKED BY RGH

PLOT DATE = 4/18/2008  
FILE NAME = H:\4428\70841\ent\_r1.dgn

H. M. & G. NO. 4420



RURAL ENTRANCE SCHEDULE - CONTINUED

Table with 4 columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS. Values include 781, 1YRS, 2ZRS-1, CRAWFORD, 378, 43. Below it, another table with columns: STA., TO STA., FED. ROAD DIST. NO., ILLINOIS, FED. AID PROJECT.

Main data table with columns: STATION, LT/RT, TYPE, EXISTING MATERIAL, WIDTH (W1), LENGTH (L1, L2), RADIUS, AGGREGATE BASE COURSE (150MM, 200MM, 150MM), HOT-MIX ASPHALT BASE COURSE, AGGREGATE SURFACE COURSE (150MM), BITUMINOUS MATERIALS (PRIOR TO BINDER/BASE COURSE, PRIOR TO SURFACE COURSE), AGGREGATE (PRIME COAT), INCIDENTAL HOT-MIX ASPHALT SURFACING (50MM, 75MM), PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT (150 MM, 200 MM).

Plot Date = 4/18/2008
File Name = H:\4428\70042\_mtl\_r\_2.dgn

CONTINUED

Table with columns: REVISIONS, NAME, DATE. Empty rows for recording changes.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RURAL ENTRANCE SCHEDULE
SCALE NO SCALE DRAWN BY KOJ
DATE APRIL 18, 2008 CHECKED BY RGH

H. M. & G. NO. 4420



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

RURAL ENTRANCE SCHEDULE - CONTINUED

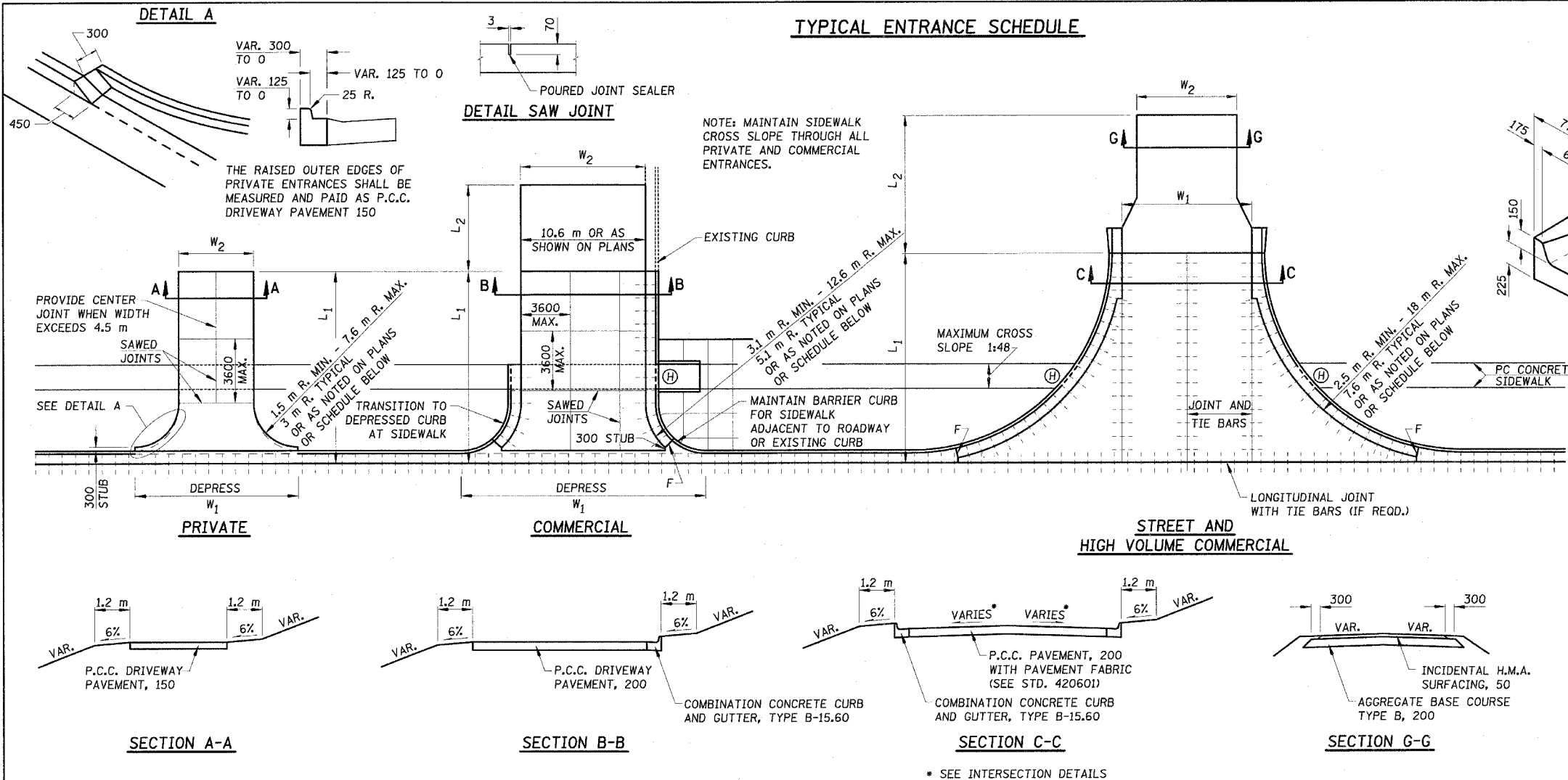
LOCATION				WIDTH	LENGTH			RADIUS	AGGREGATE BASE COURSE, TYPE B	HOT-MIX ASPHALT BASE COURSE	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)		AGGREGATE (PRIME COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING		PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT			
												PRIOR TO BINDER/BASE COURSE	PRIOR TO SURFACE COURSE		50MM	75MM	150 MM	200 MM		
STATION	LT/RT	TYPE	EXISTING MATERIAL	W1	L1	L2		150MM	200MM	150MM										
				METER	METER	METER	METER	M3511010	M3550500	M4021010		M4080100	M4080300	M4080500	M4230150	M4230200				
								M TON	SQ. M	M TON		LITER	LITER	M TON	M TON	M TON	SQ. M	SQ. M		
STA 14+763.300	RT	PE	BITUMINOUS	5.0	6.30	8.64	6	29.00				120.82				14.50				
STA 14+770.800	LT	PE	AGGREGATE	4.2	6.30	8.64	5 & 6	11.96		13.06		49.84				5.98				
STA 14+803.300	LT	PE	AGGREGATE	3.6	6.30	8.64	6	10.73		11.19		44.70				5.36				
STA 14+861.800	RT	PE	AGGREGATE	3.6	6.30	8.64	6	10.73		11.19		44.70				5.36				
STA 14+886.300	RT	PE	AGGREGATE	3.6	6.30	8.64	6	10.73		11.19		44.70				5.36				
STA 14+926.300	LT	PE	BITUMINOUS	3.6	6.30	8.64	6	21.92				91.34				10.96				
STA 14+926.300	RT	FE	DIRT	3.6	6.30	8.64	6			17.52										
STA 14+981.900	LT	PE	AGGREGATE	3.6	6.30	8.64	6	10.73		11.19		44.70				5.36				
STA 15+062.400	LT	ROAD	OIL & CHIP	See Plans	15.30	6.35	15		256.21			384.31	89.67	0.384	30.74					
STA 15+062.400	RT	ROAD	BITUMINOUS	See Plans	15.30	6.35	15		258.07			387.11	90.32	0.387	30.97					
STA 15+232.300	LT	CE	AGGREGATE	10.6	6.30	8.64	6		67.60	32.96		101.40	23.66	0.101	8.11					
STA 15+321.000	LT	CE	CONC/AGG	10.6	6.30	8.64	6											177.38		
STA 15+353.800	LT	CE	AGGREGATE	4.3	6.30	8.64	6		33.58	13.37		50.37	11.75	0.050	4.03					
STA 15+450.800	RT	PE	AGGREGATE	7.2	6.30	4.07	6	17.73		10.54		73.86			8.86					
STA 15+454.800	LT	CE	CONC/AGG	10.6	6.30	8.64	6			32.96								85.83		
STA 15+509.800	LT	CE	AGGREGATE	10.6	6.30	8.64	6			32.96								85.83		
STA 15+511.800	RT	PE	AGGREGATE	4.0	6.30	8.64	6	11.51		12.44		47.94			5.75					
<b>URBAN</b>																				
STA 15+595.800	LT	PE	AGGREGATE	7.2	6.30	8.64	6	17.73		22.39		73.86			8.86					
STA 15+660.800	LT	CE	BITUMINOUS	7.2	6.30	5.59	6		89.49			134.23	31.32	0.134	10.74					
STA 15+661.300	RT	ROAD	OIL & CHIP	5.8	9.30	2.60	9		109.19			163.78	38.21	0.164	13.10					
STA 15+723.100	RT	PE	BITUMINOUS	6.0	6.30	8.64	6	34.05				141.87			17.02					
STA 15+773.300	RT	ROAD	OIL & CHIP	5.9	9.30	2.35	9		114.80			172.20	40.18	0.172	13.78					
STA 15+870.300	RT	PE	AGGREGATE	3.6	6.30	8.64	6	10.73		11.19		44.70			5.36					
STA 15+871.400	LT	ROAD	AGGREGATE	3.6	9.30	2.59	9	20.45		3.36		85.21			10.22					
STA 15+890.000	LT	PE	AGGREGATE	3.6	6.30	22.41	6	10.73		29.04		44.70			5.36					
STA 15+916.600	RT	PE	BITUMINOUS	3.6	6.30	8.64	6	21.92				91.34			10.96					
STA 15+931.300	RT	PE	BITUMINOUS	3.6	6.30	8.64	6	21.92				91.34			10.96					
STA 15+960.300	LT	PE	BIT/AGGREGATE	10.3	6.30	8.64	6	55.78				232.41			27.89					
<b>TOTALS</b>								1,775.69	7,435.98	2,563.11	11,153.97	10,001.31	11.15	892.32	883.88	332.30	1,757.84			
TOTALS ROUNDED FOR SUMMARY SHEET								1,776	7,436	2,564	11,154	10,001	11	892	884	333	1,758			

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		RURAL ENTRANCE SCHEDULE
SCALE	NO SCALE	DRAWN BY KOJ
DATE	APRIL 18, 2008	CHECKED BY RGH

PLOT DATE = 4/18/2008  
FILE NAME = H:\428\70042\_ent\_r.dgn

H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	46
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

**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

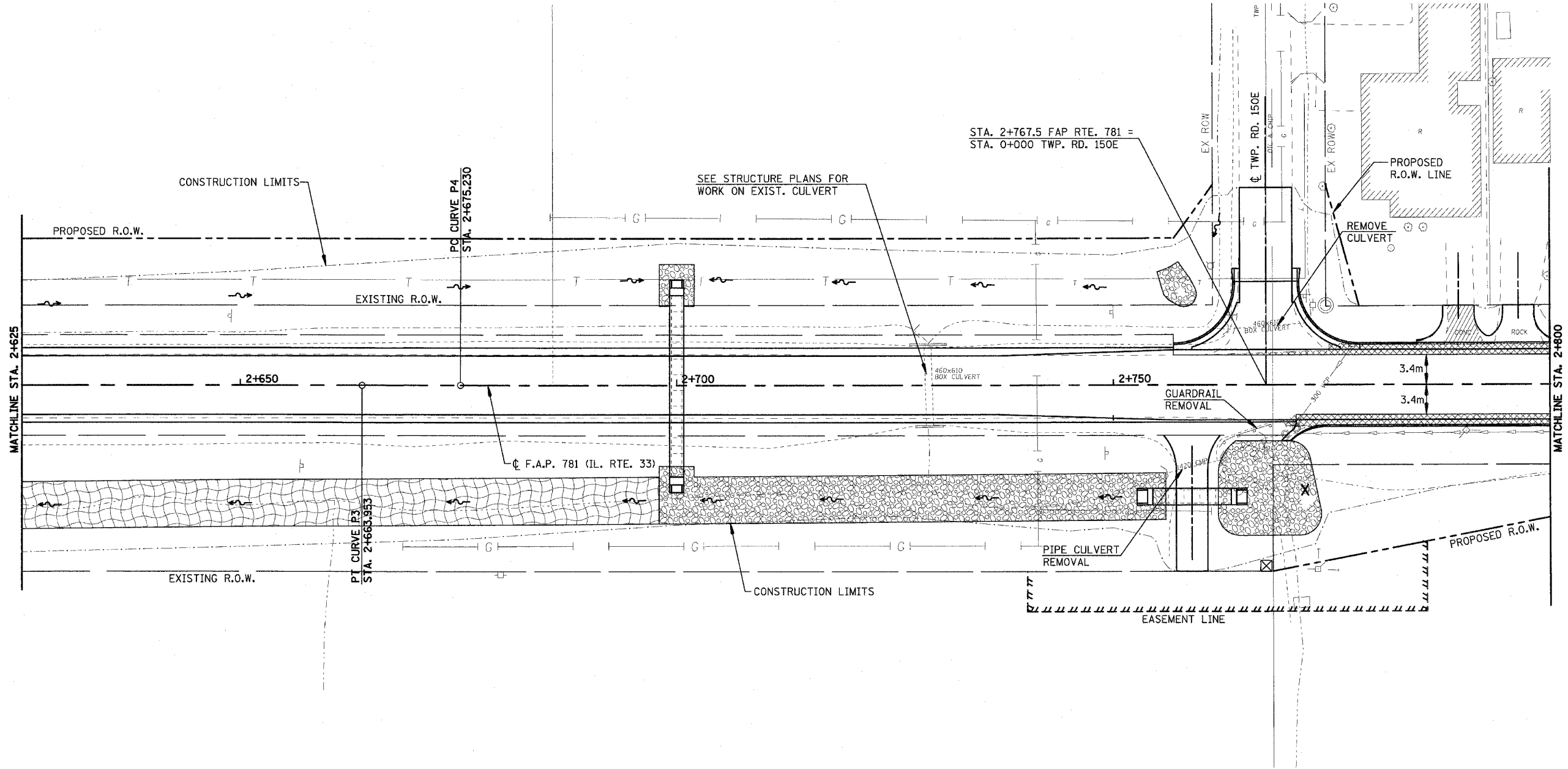
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NAME	DATE	
		URBAN ENTRANCE DETAILS AND SCHEDULE
SCALE	NO SCALE	DRAWN BY KOJ
DATE	APRIL 18, 2008	CHECKED BY RGH

PLOT DATE = 4/18/2008  
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

H. M. & C. NO. 4420

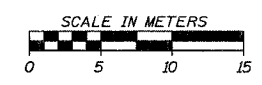


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	48
STA. 2+625		TO STA. 2+800		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**LEGEND**

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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**REMOVAL ITEMS**

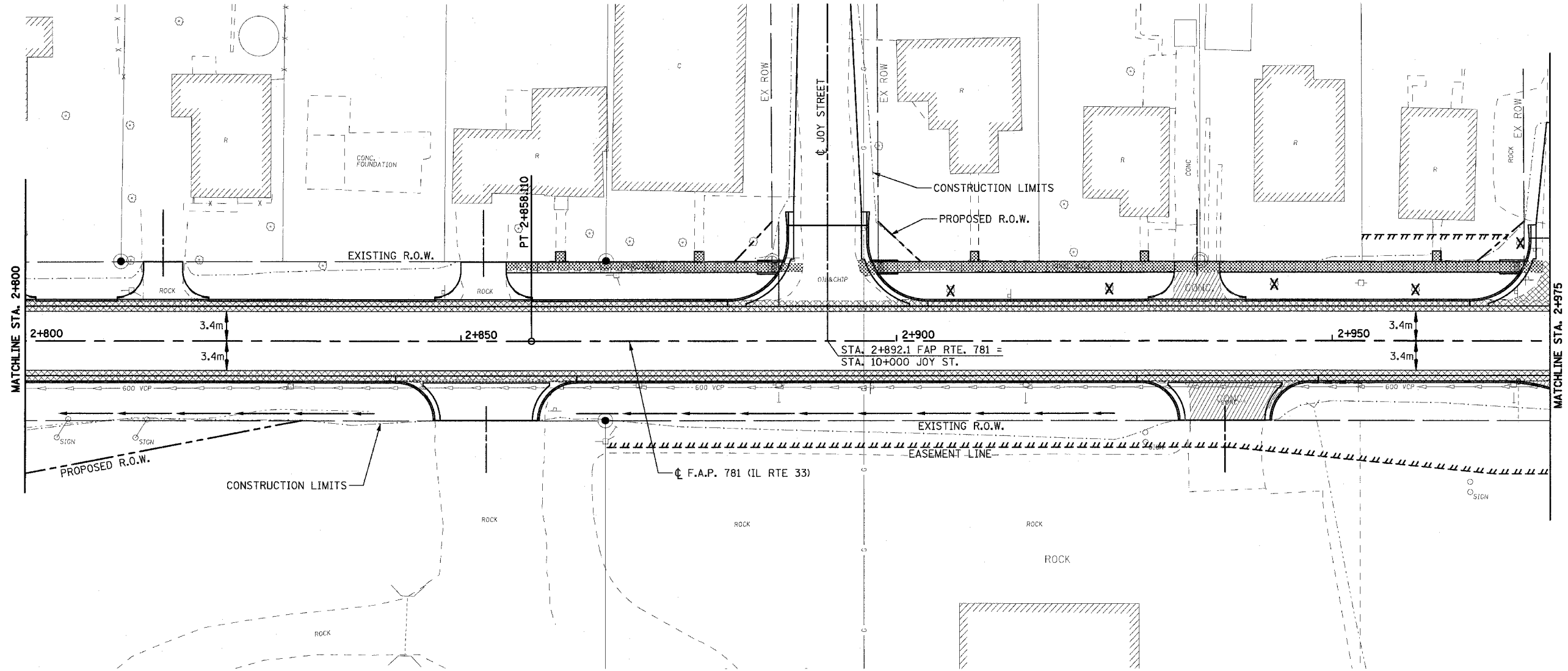
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 DATE APRIL 18, 2008 CHECKED BY RGH

PLOT DATE = 4/18/2008  
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H. M. & G. NO. 4420

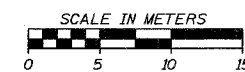


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	49
STA. 2+800		TO STA. 2+975		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**LEGEND**

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



REVISIONS	
NAME	DATE

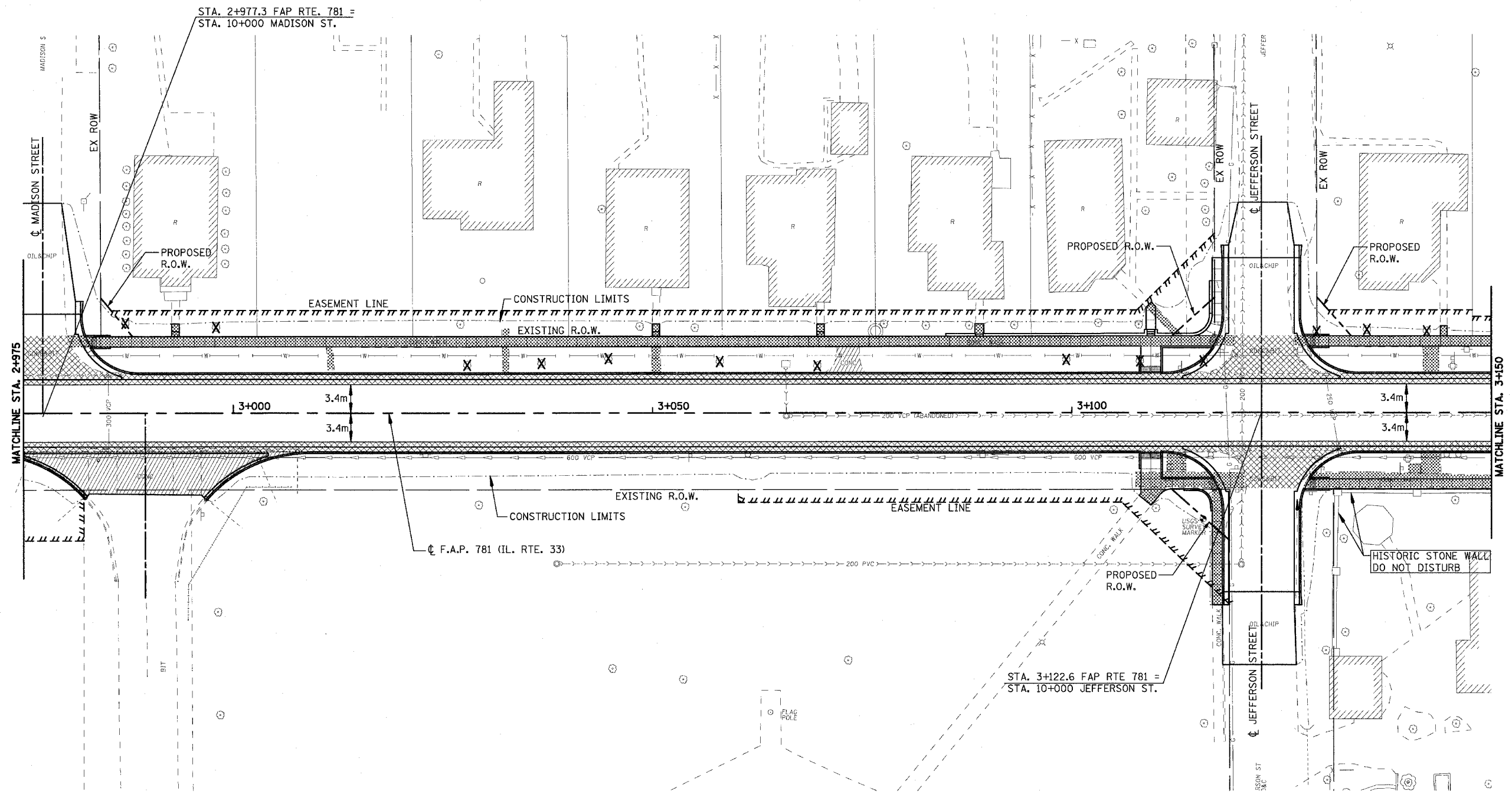
ILLINOIS DEPARTMENT OF TRANSPORTATION

**REMOVAL ITEMS**

SCALE  
DATE APRIL 18, 2008  
DRAWN BY EDW  
CHECKED BY RGH

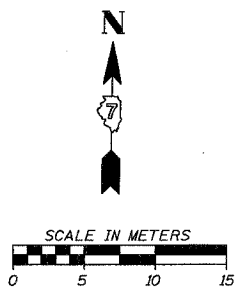
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	50
STA. 2+975		TO STA. 3+150		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**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

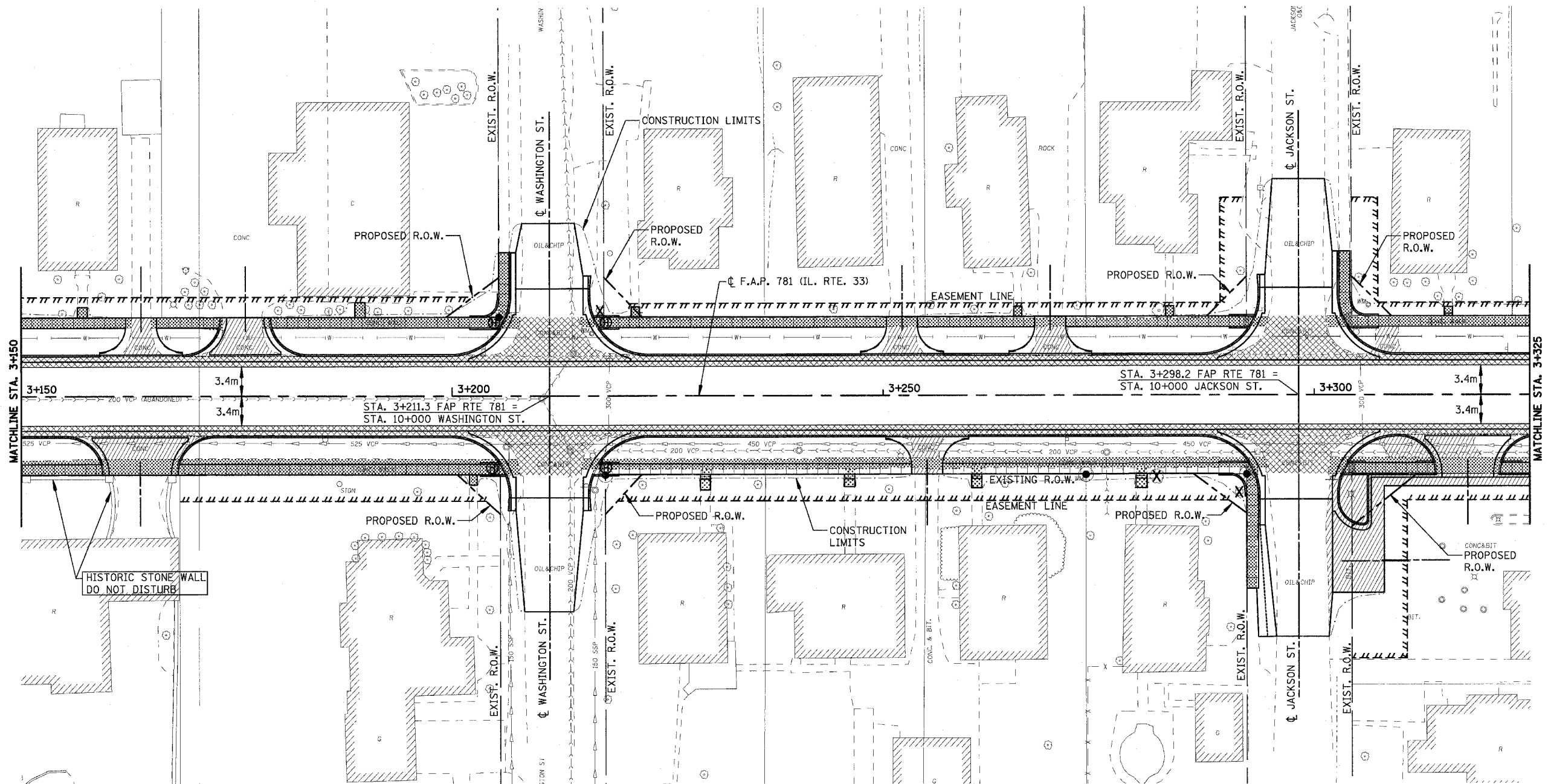
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 DATE APRIL 18, 2008 CHECKED BY RGH

PLOT DATE = 4/18/2008  
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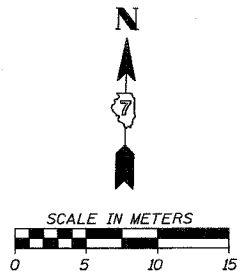
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	51
STA. 3+150		TO STA. 3+325		
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

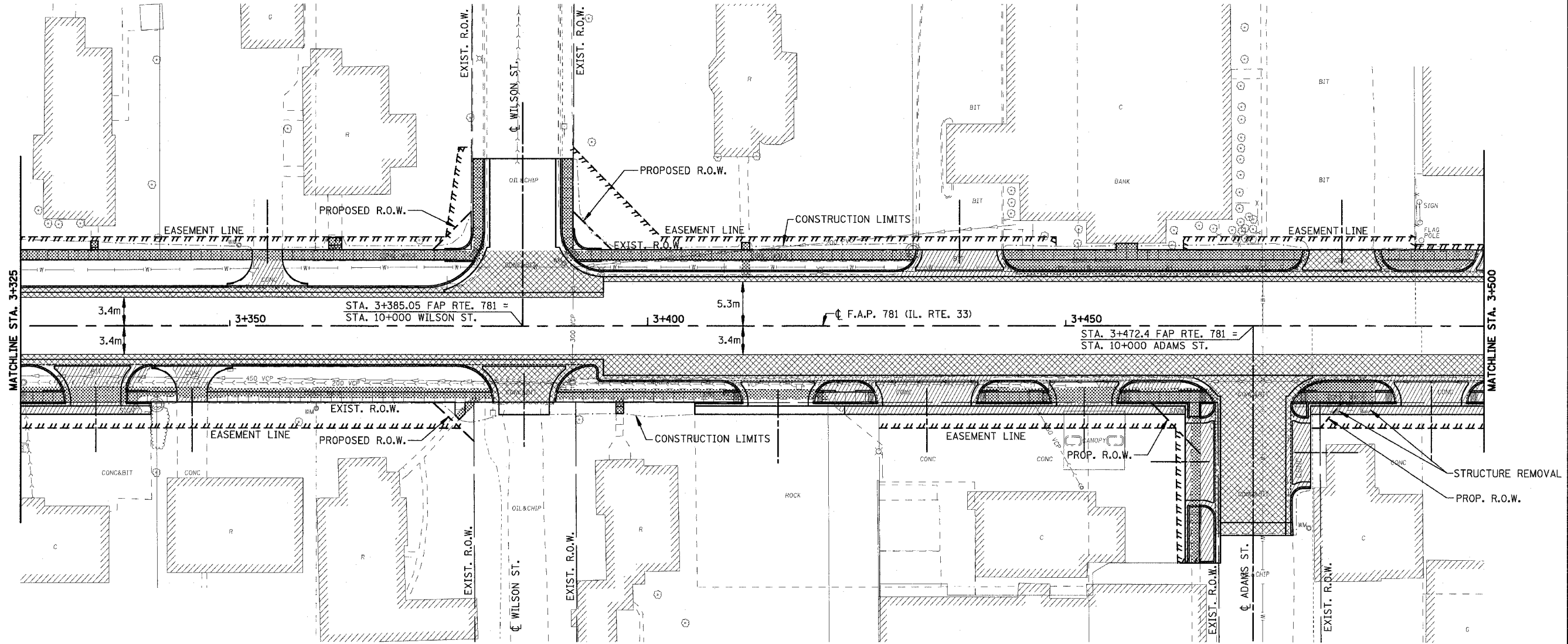
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 DATE APRIL 18, 2008 CHECKED BY RGH

PLOT DATE = 4/18/2008  
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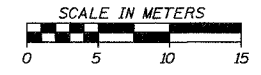
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	52
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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

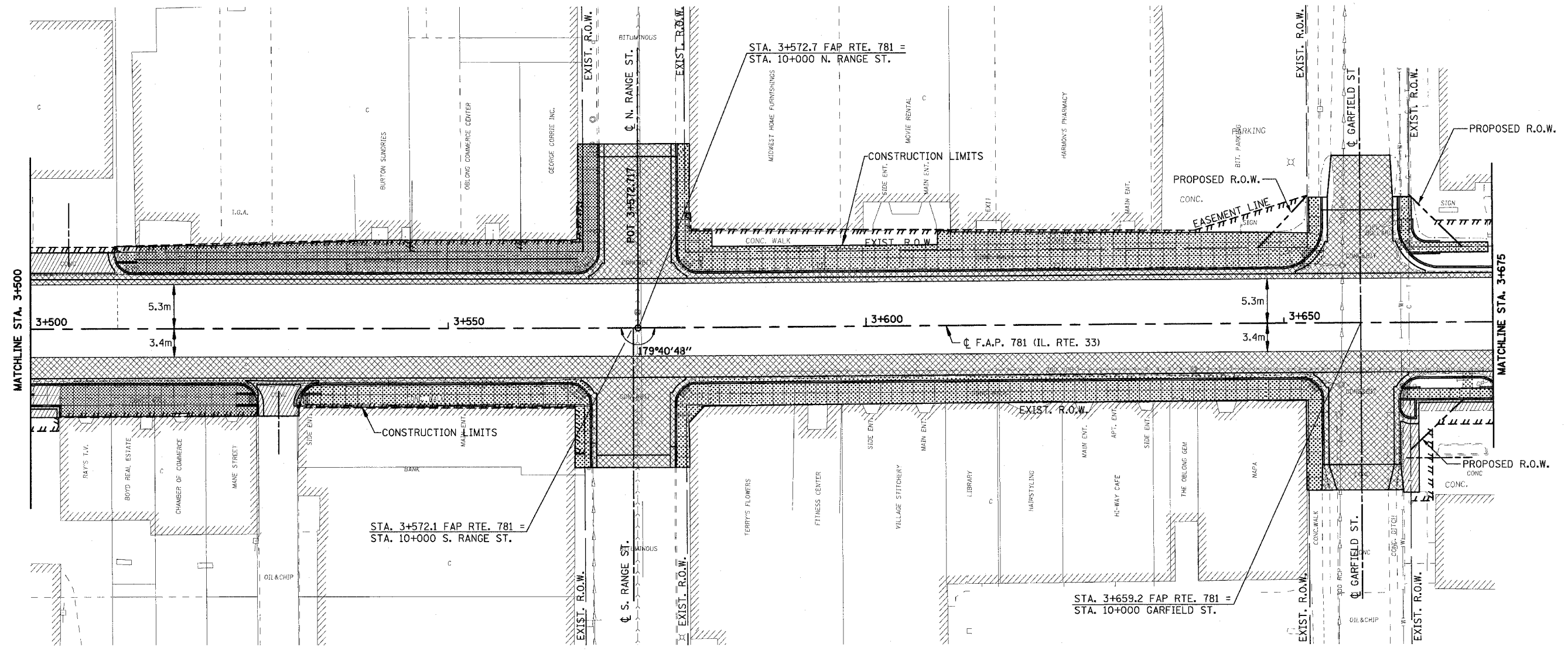
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DATE APRIL 18, 2008  
DRAWN BY EDW  
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PLOT DATE = 4/18/2008  
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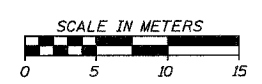
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	53
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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

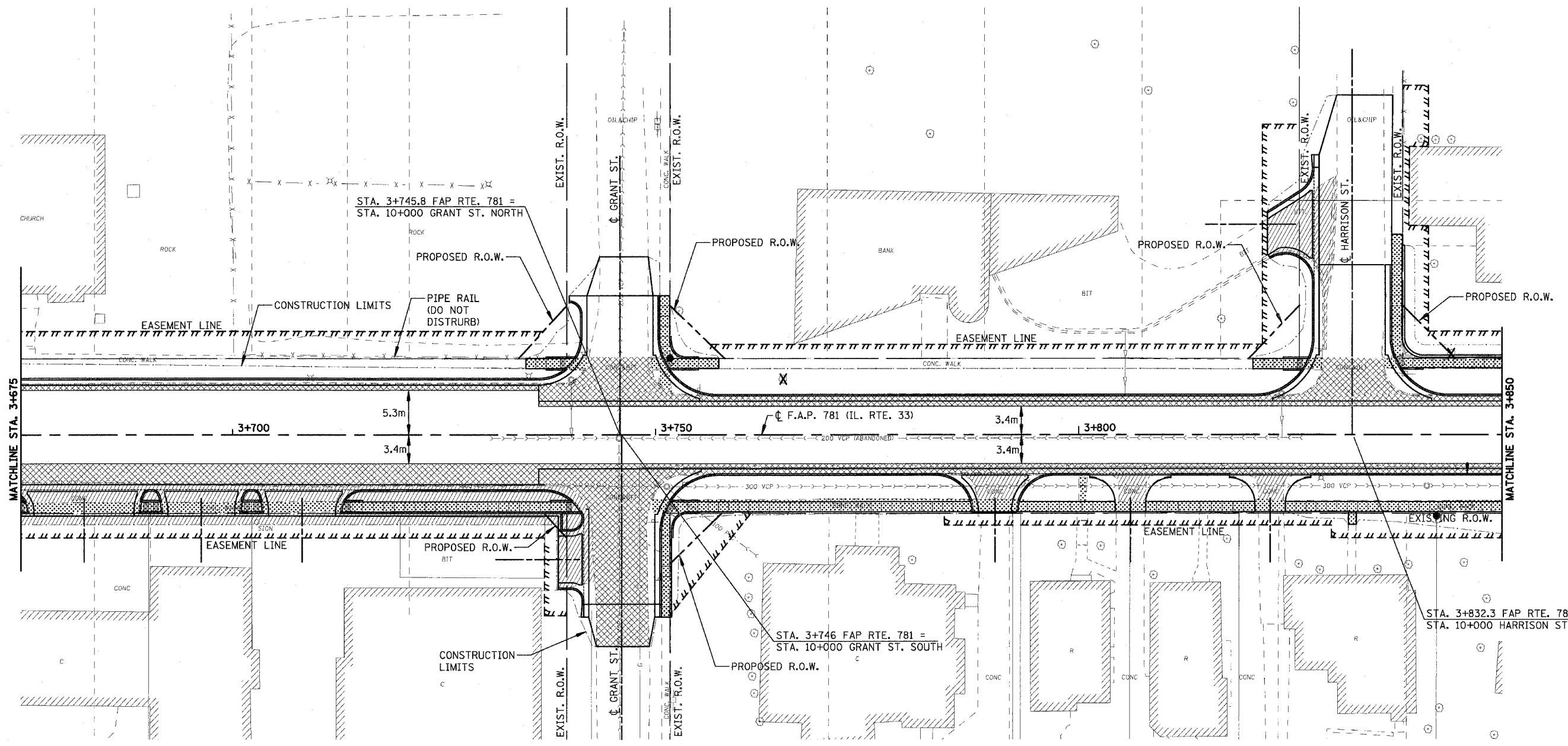
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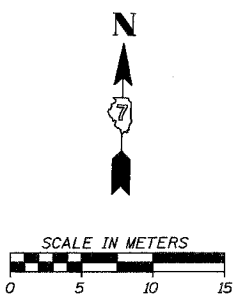
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	54
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

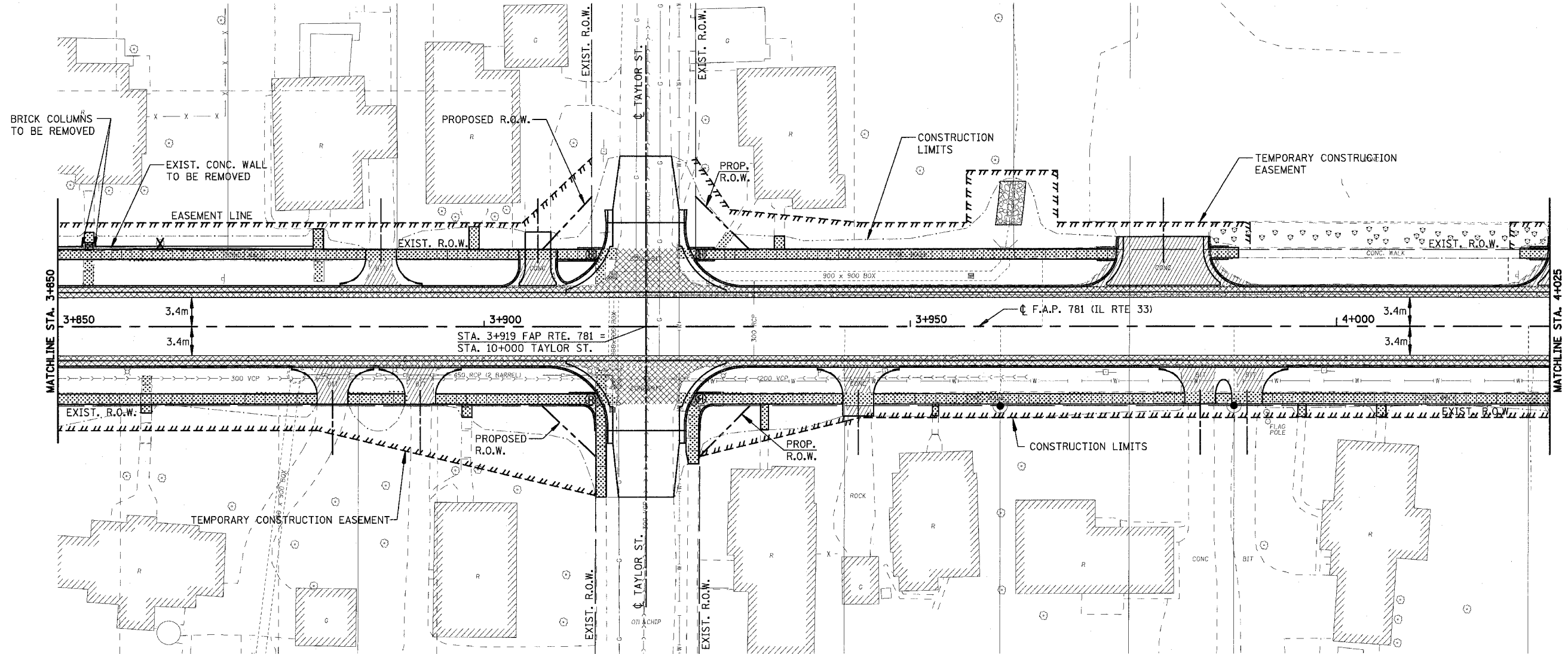
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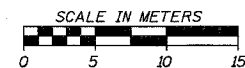
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	55
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)



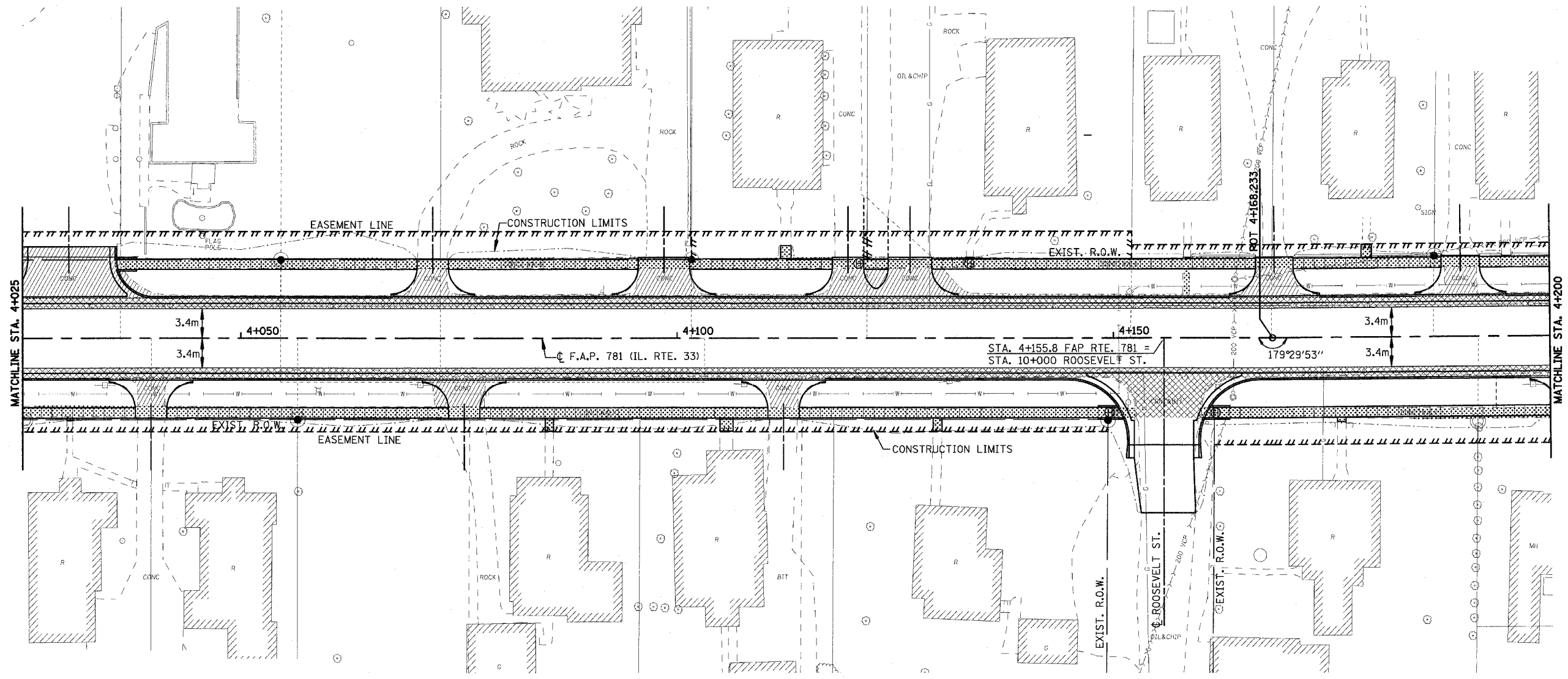
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
<b>REMOVAL ITEMS</b>	
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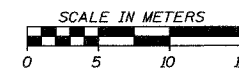
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	56
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**

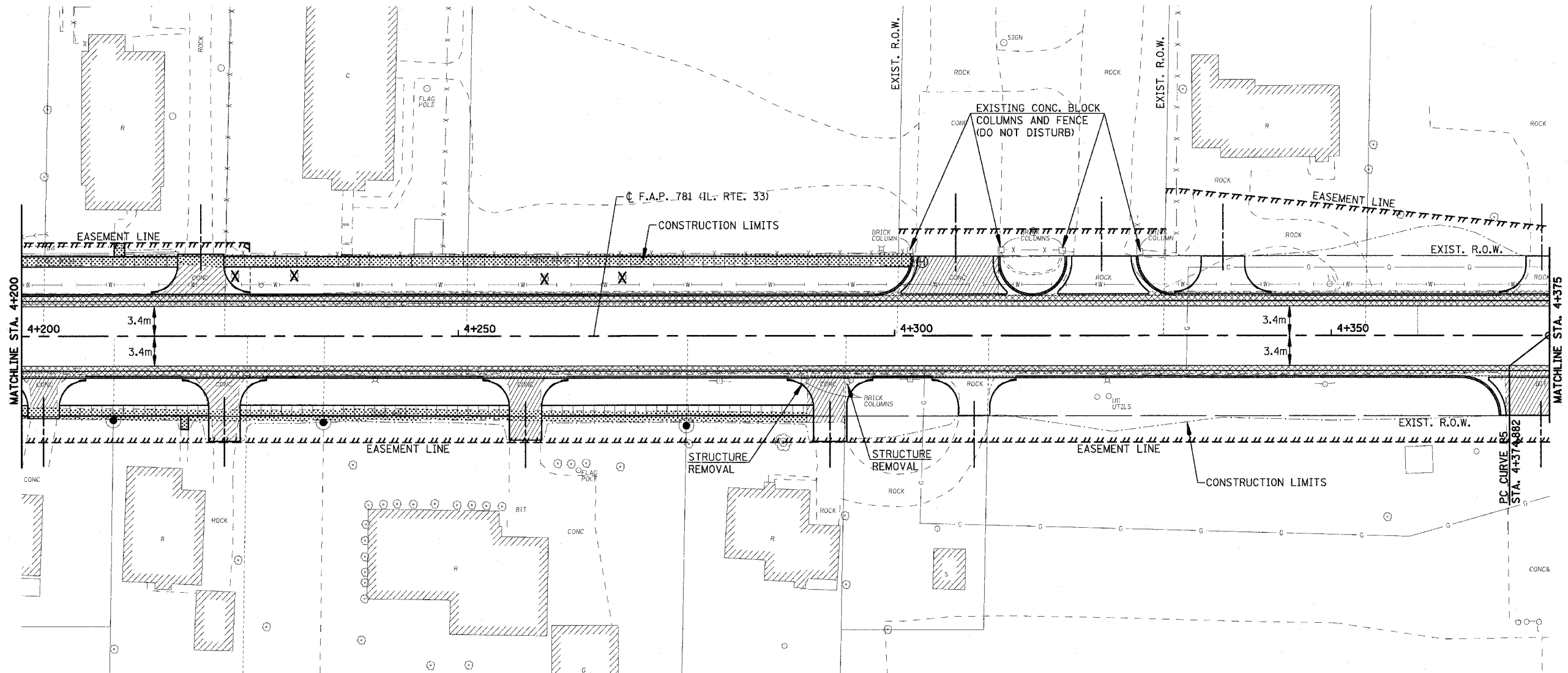
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H. M. & G. NO. 4420

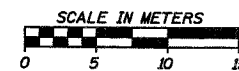


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	57
STA. 4+200		TO STA. 4+375		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**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

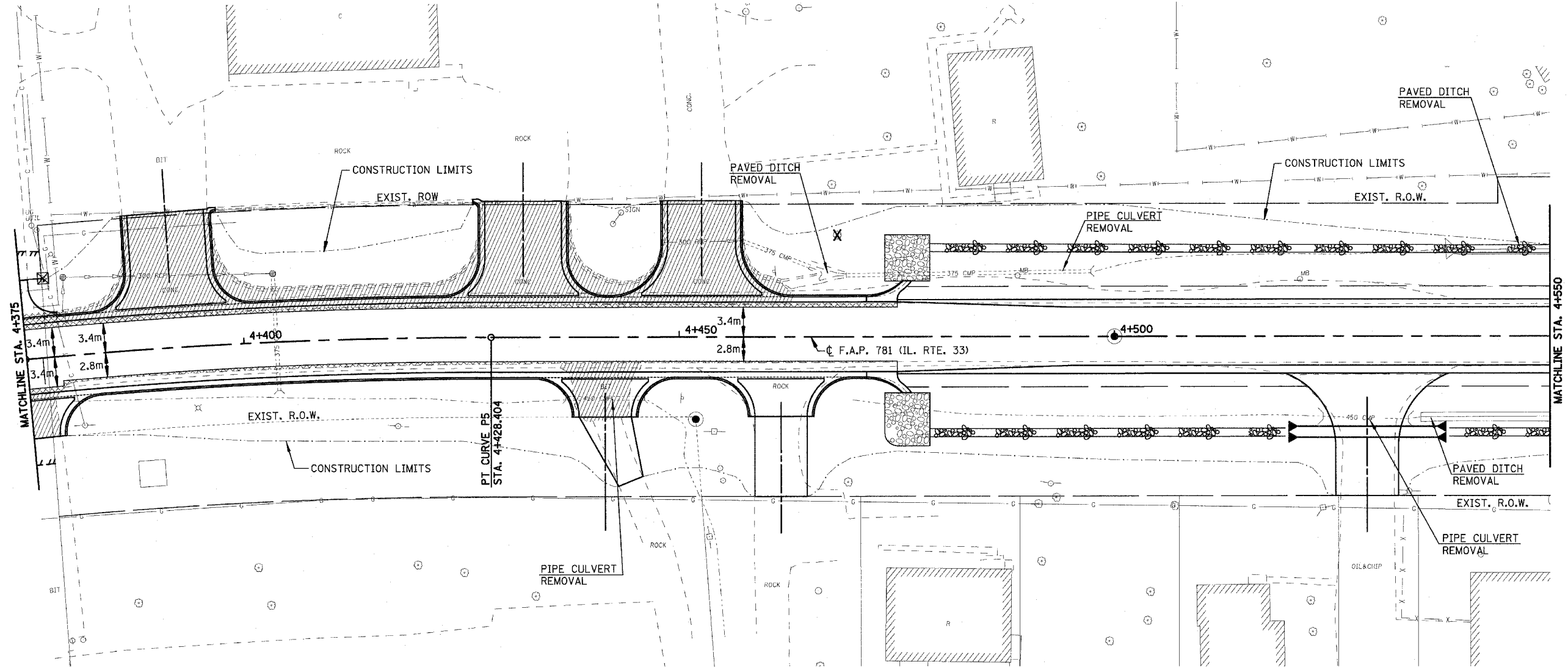
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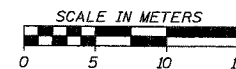
H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	58
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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

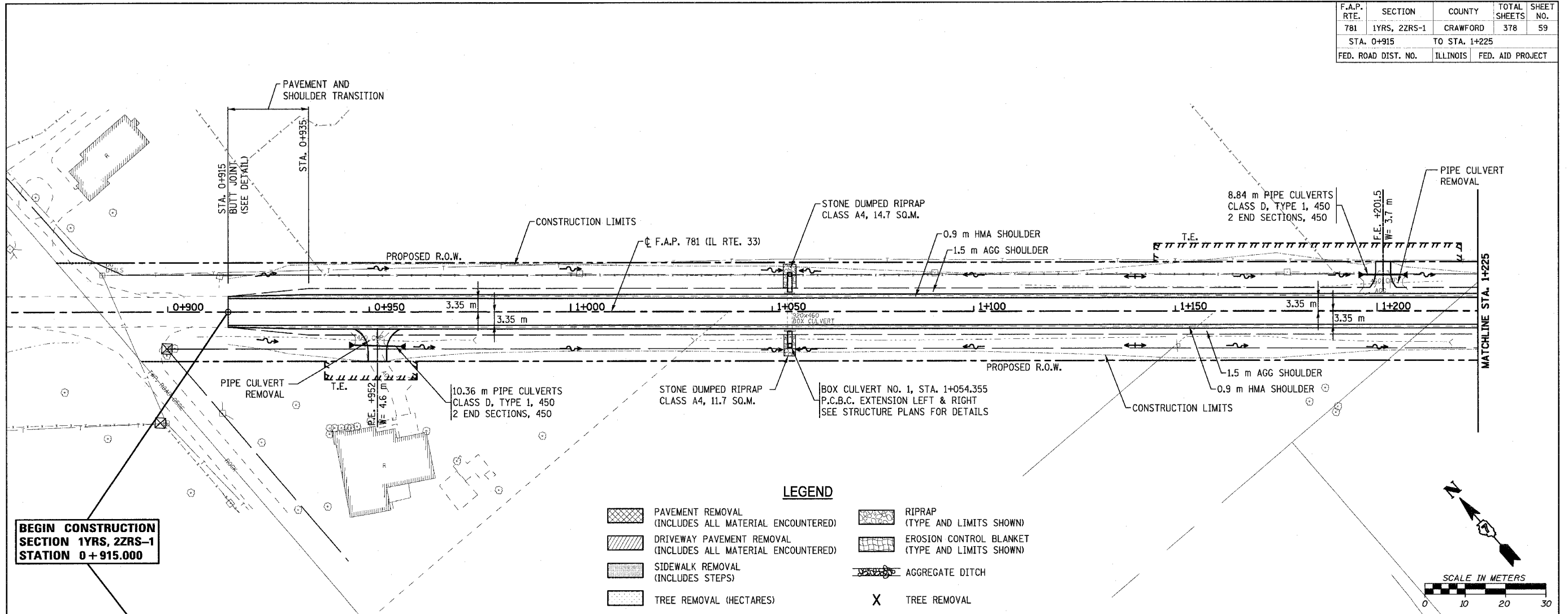
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DATE APRIL 18, 2008  
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CHECKED BY RGH

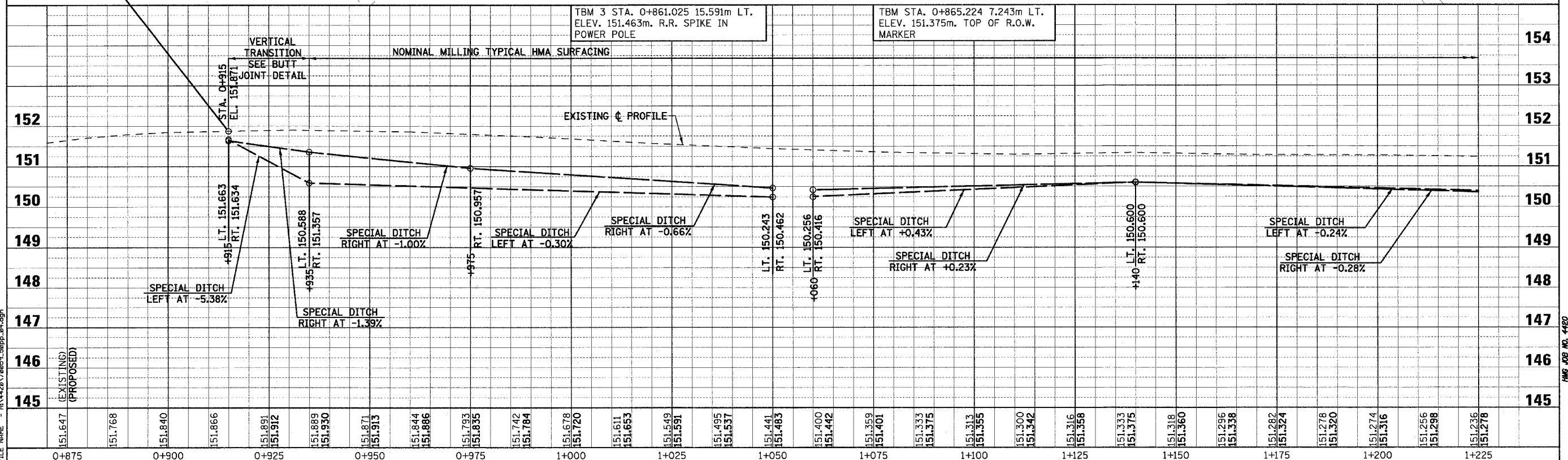
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H. M. & G. NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	59
STA. 0+915		TO STA. 1+225		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

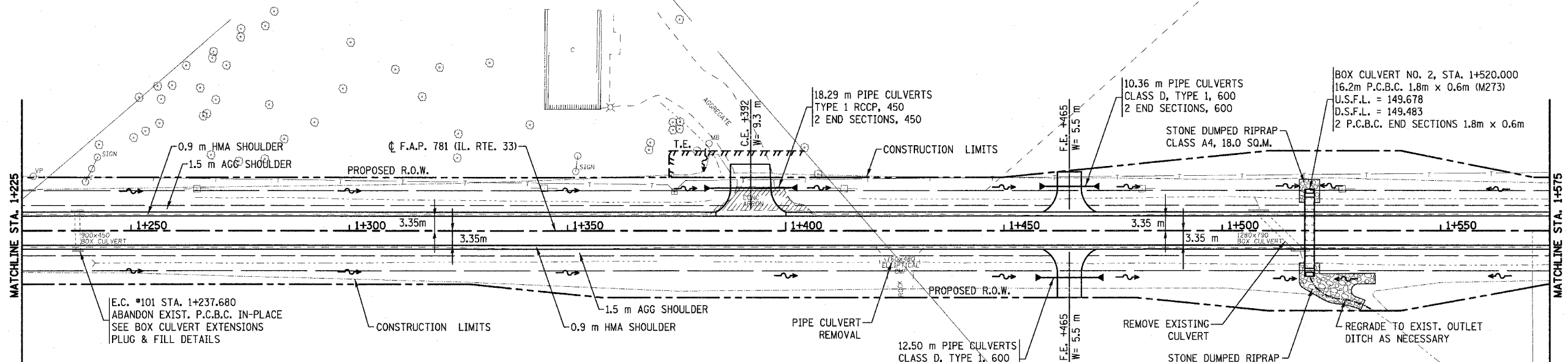


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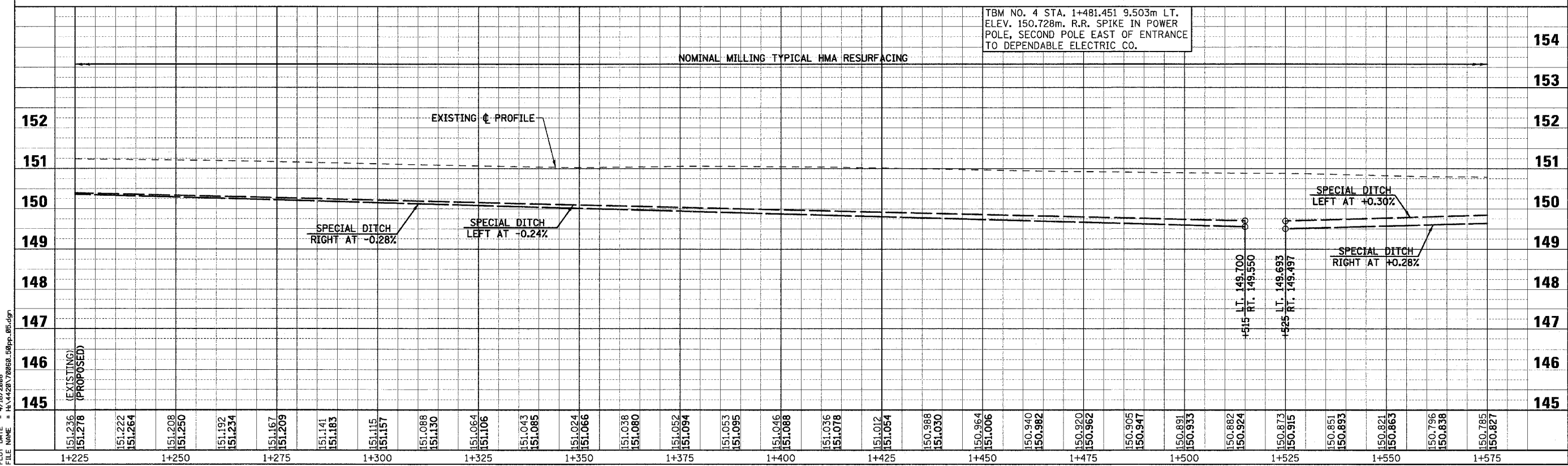
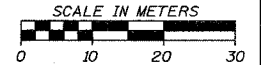
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	60
STA. 1+225		TO STA. 1+575		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**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

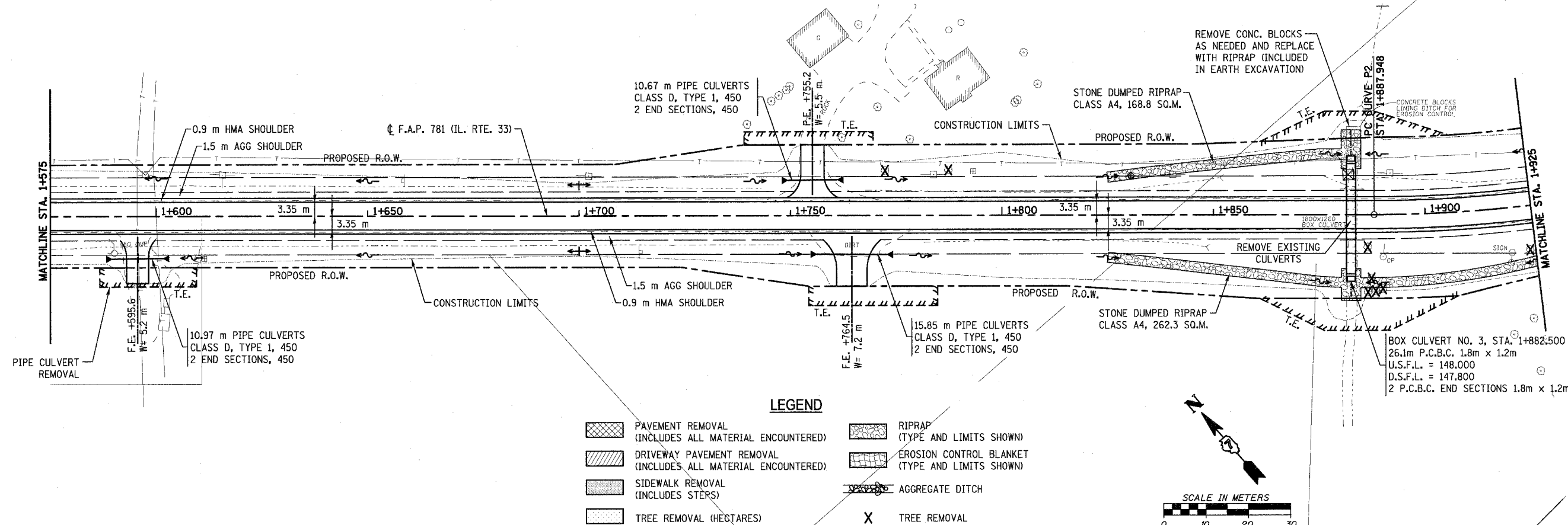


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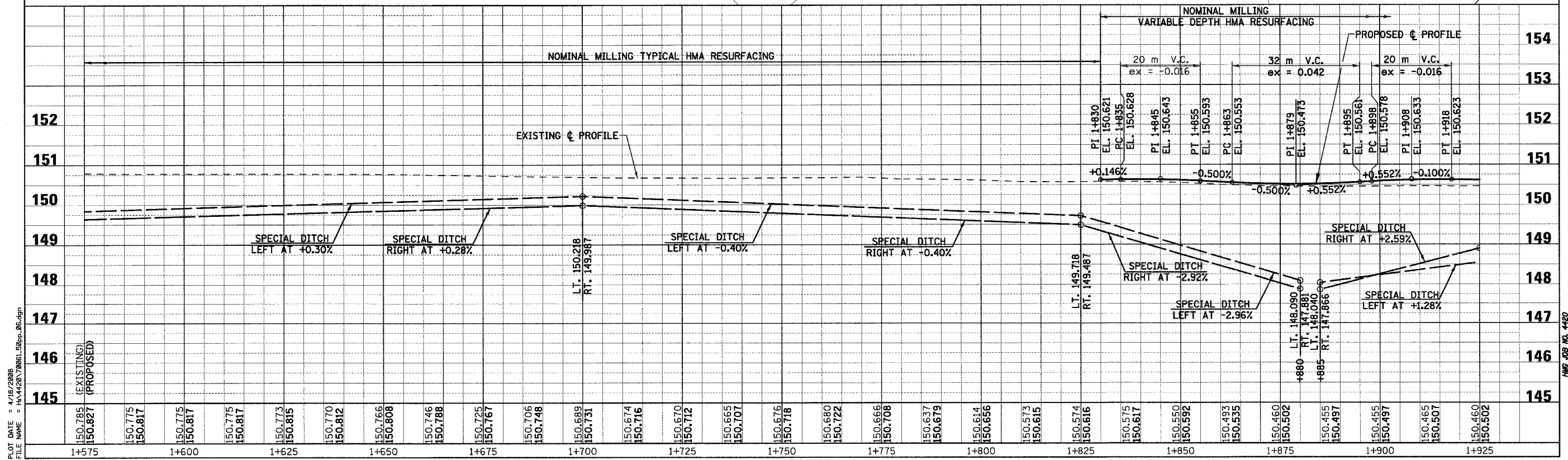
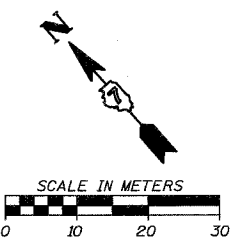
HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	61
STA. 1+575		TO STA. 1+925		
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

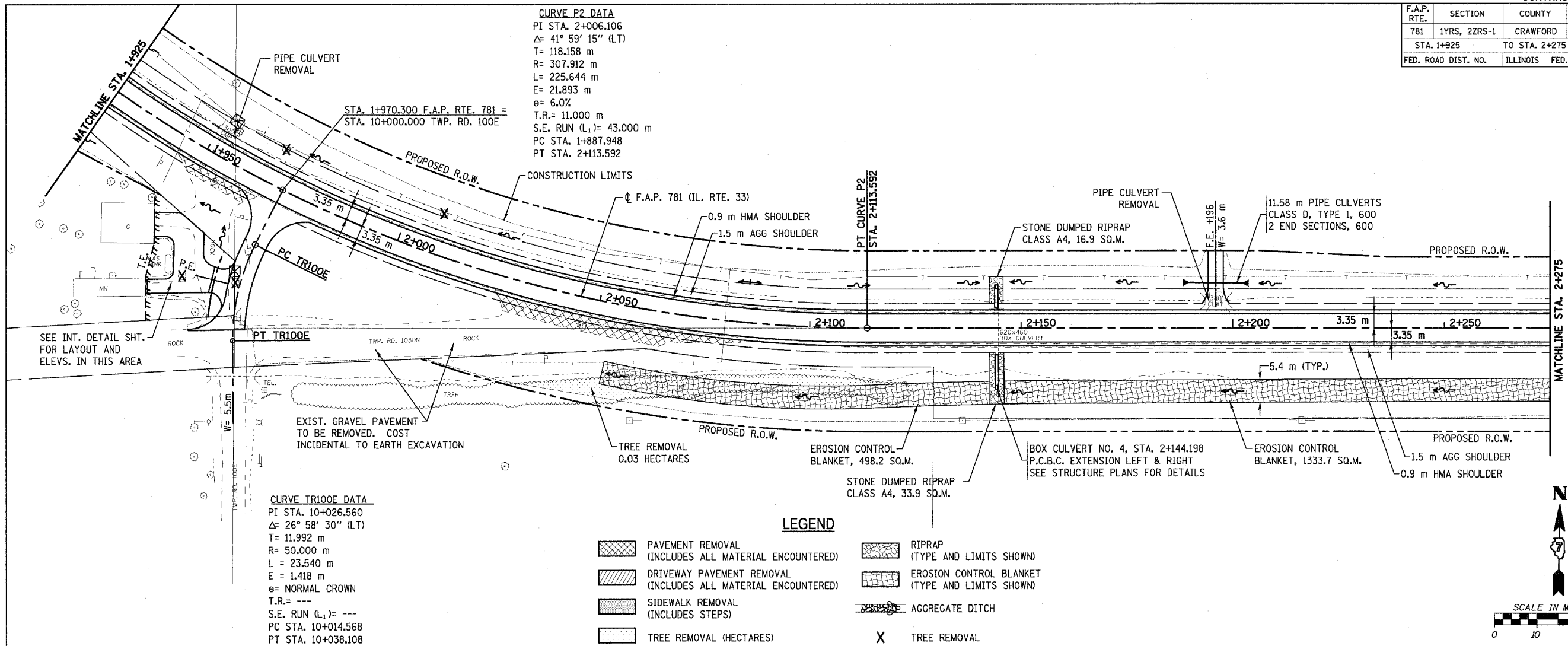


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	62
STA. 1+925		TO STA. 2+275		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

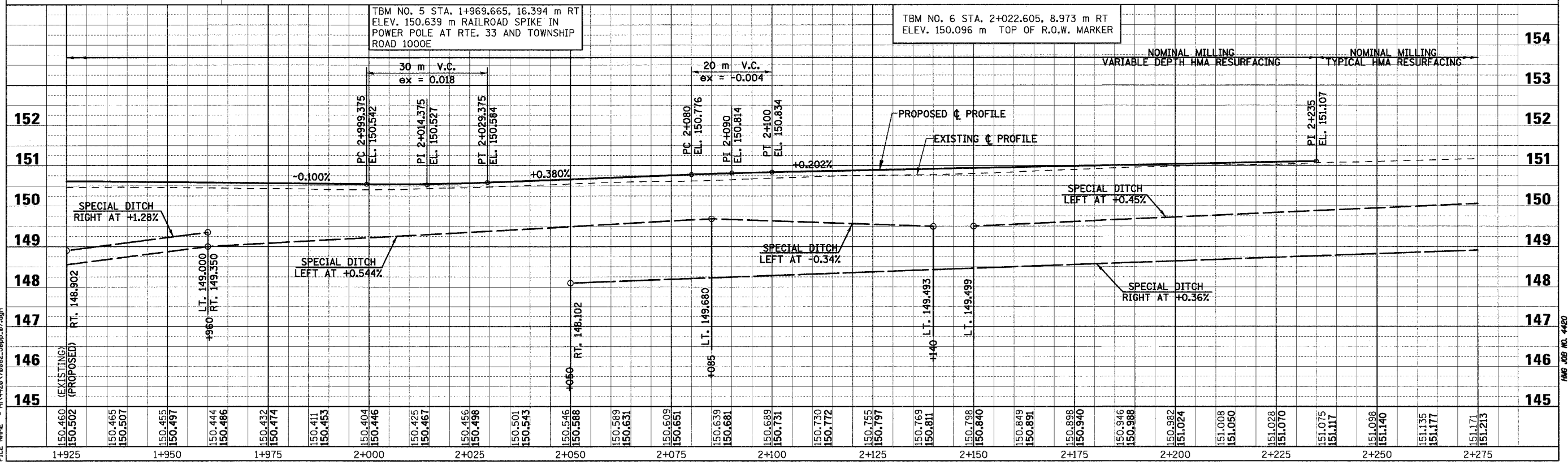
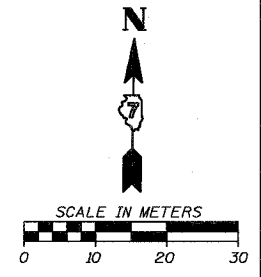
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 PI STA. 2+006.106  
 $\Delta = 41^\circ 59' 15''$  (LT)  
 T = 118.158 m  
 R = 307.912 m  
 L = 225.644 m  
 E = 21.893 m  
 $e = 6.0\%$   
 T.R. = 11.000 m  
 S.E. RUN ( $L_1$ ) = 43.000 m  
 PC STA. 1+887.948  
 PT STA. 2+113.592

**CURVE TR100E DATA**  
 PI STA. 10+026.560  
 $\Delta = 26^\circ 58' 30''$  (LT)  
 T = 11.992 m  
 R = 50.000 m  
 L = 23.540 m  
 E = 1.418 m  
 $e =$  NORMAL CROWN  
 T.R. = ---  
 S.E. RUN ( $L_1$ ) = ---  
 PC STA. 10+014.568  
 PT STA. 10+038.108



**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

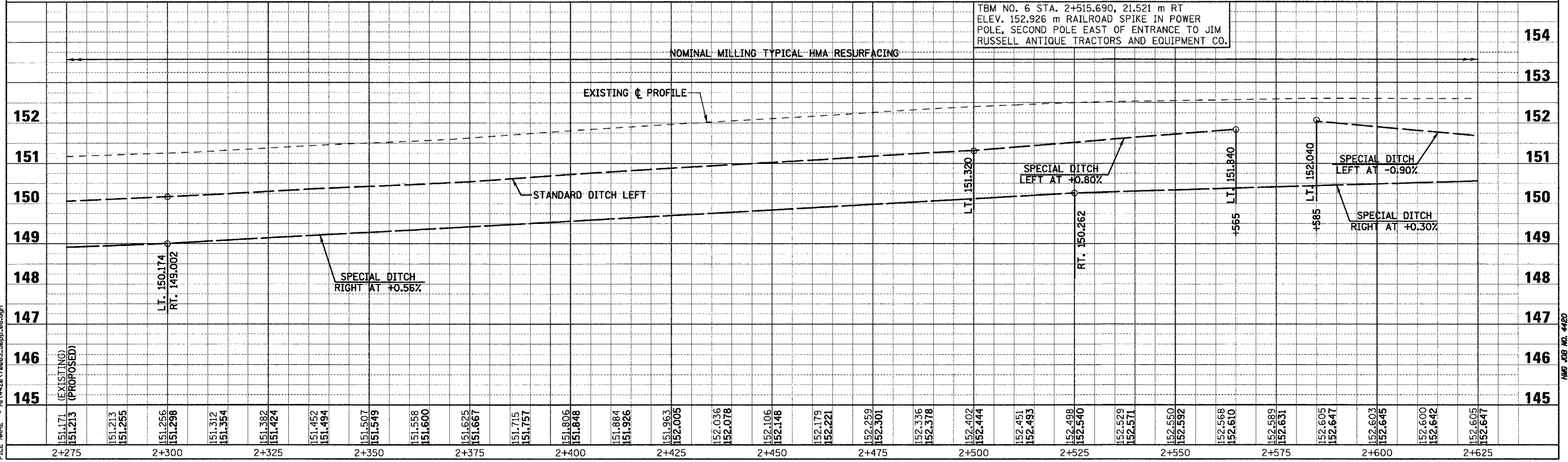
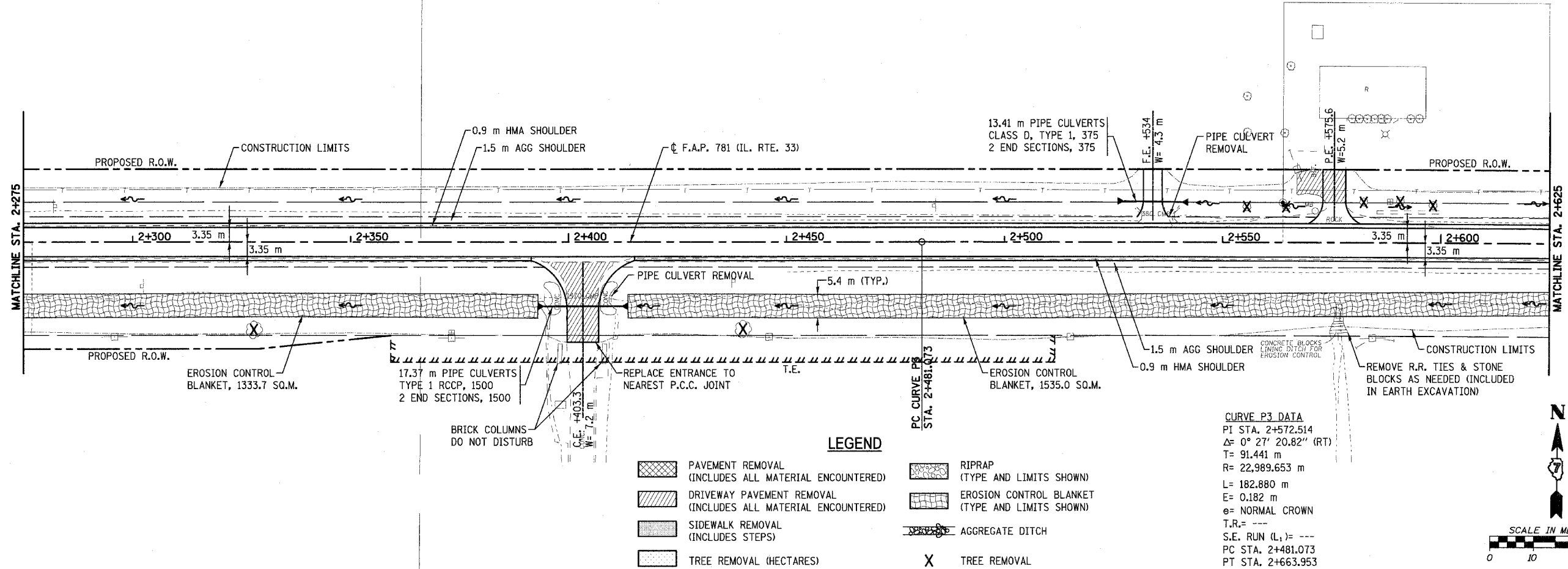


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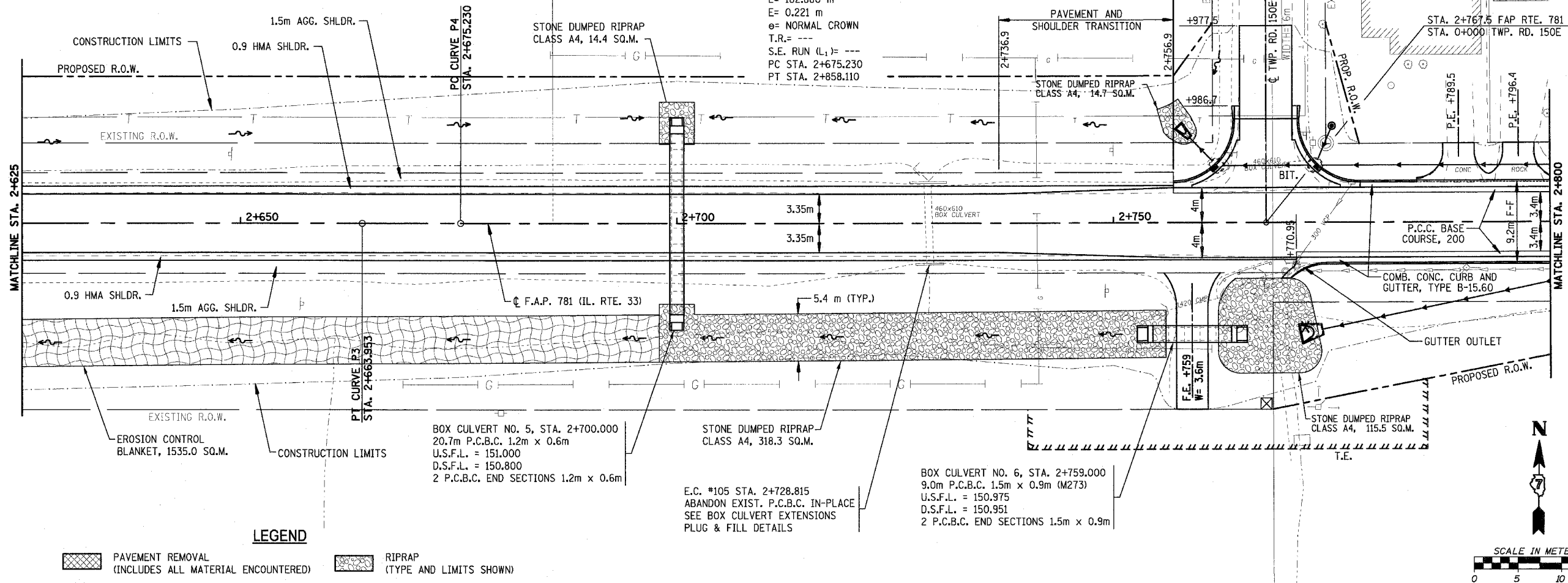
HMG JOB NO. 4480

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	63
STA. 2+275		TO STA. 2+625		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



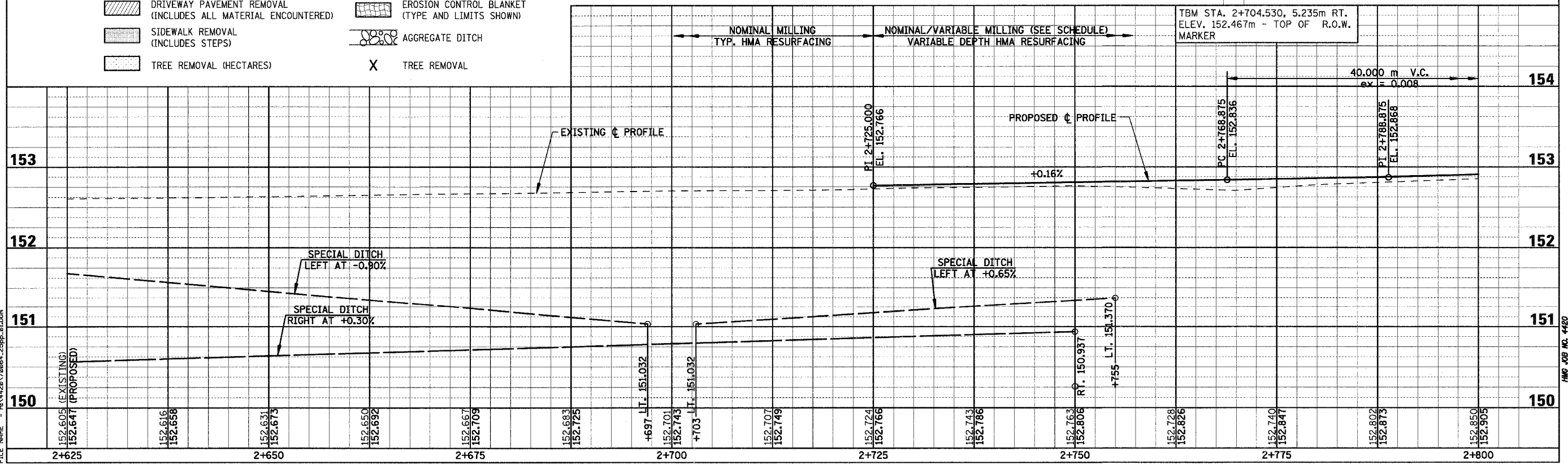
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	64
STA. 2+625		TO STA. 2+800		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**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  
 $\theta =$  NORMAL CROWN  
 T.R. = ---  
 S.E. RUN (L1) = ---  
 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

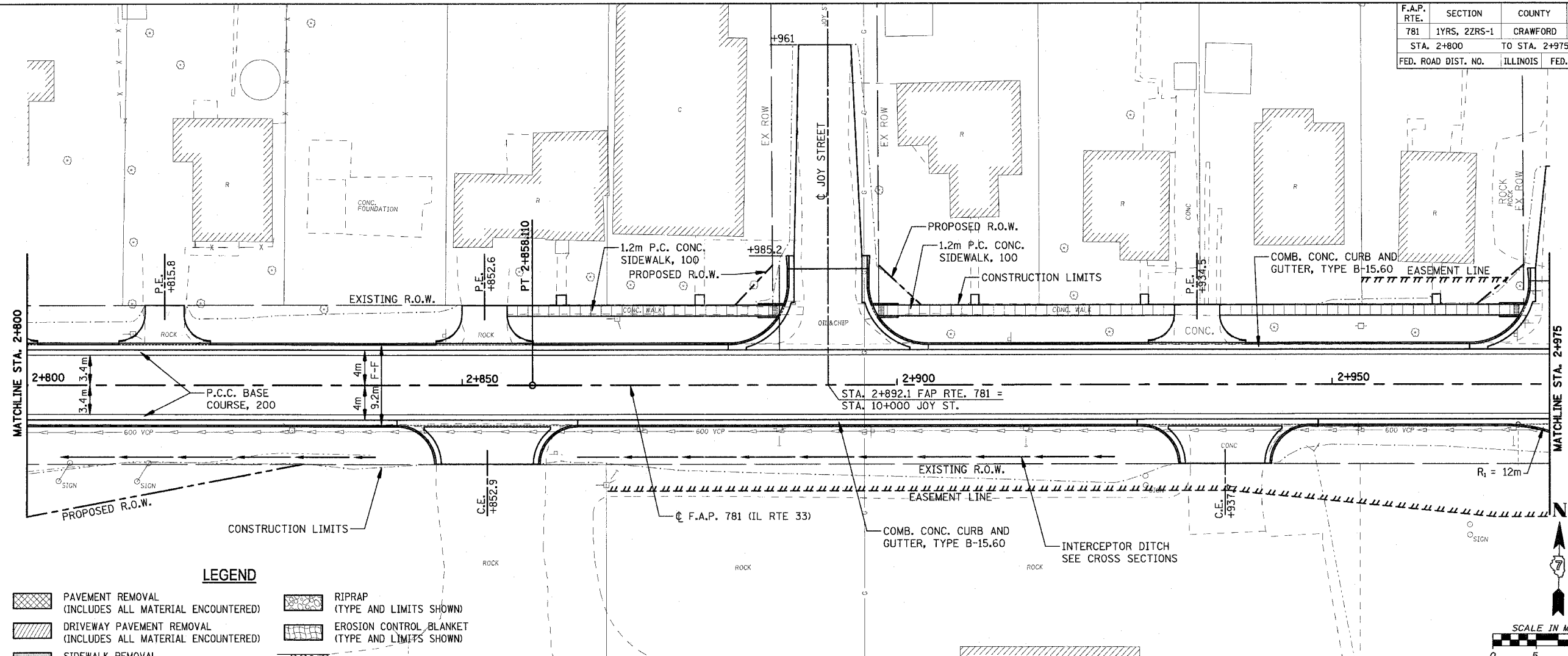


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 HMG JOB NO. 4480

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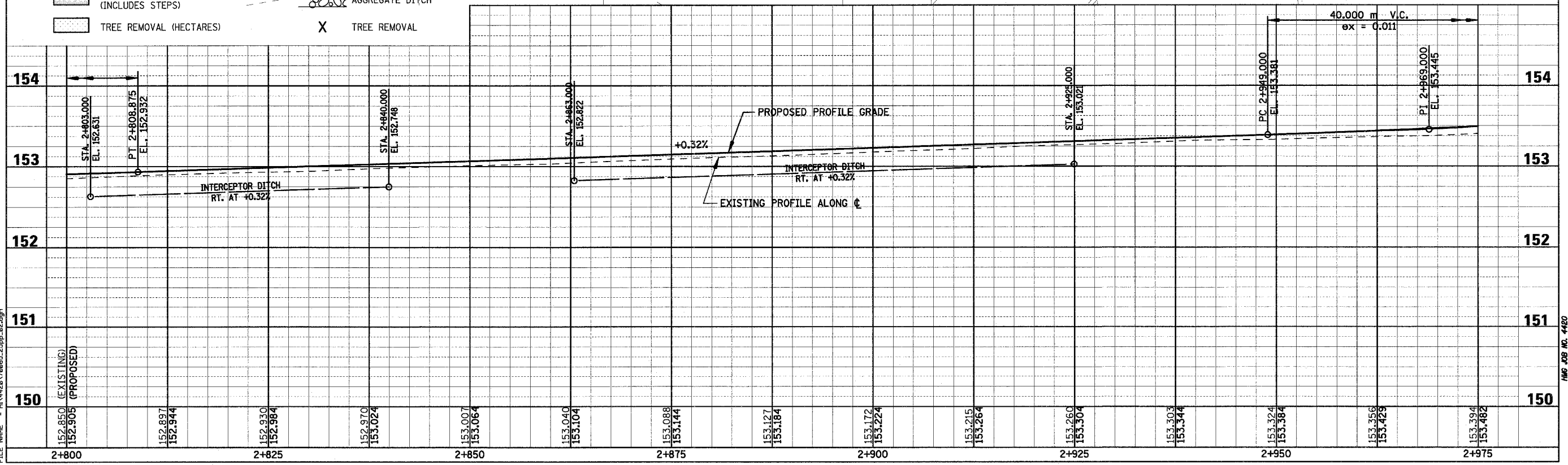
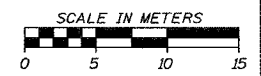


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	65
STA. 2+800		TO STA. 2+975		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**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

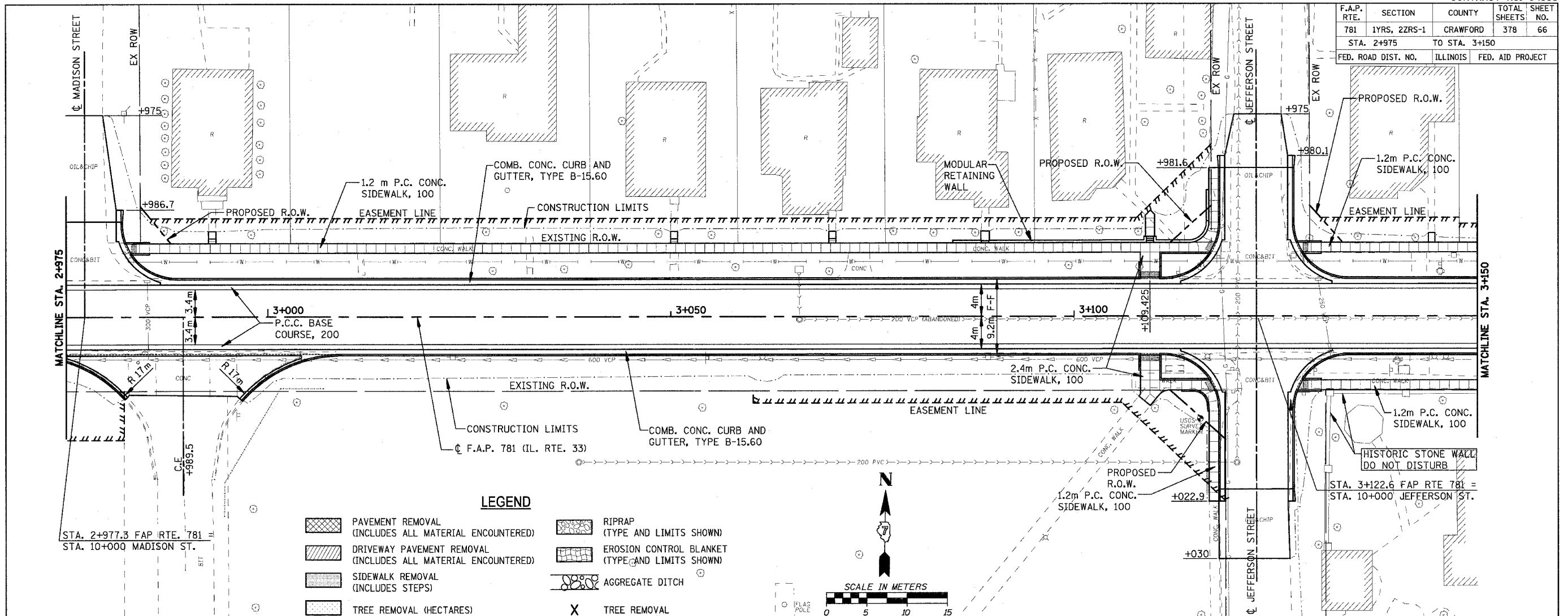


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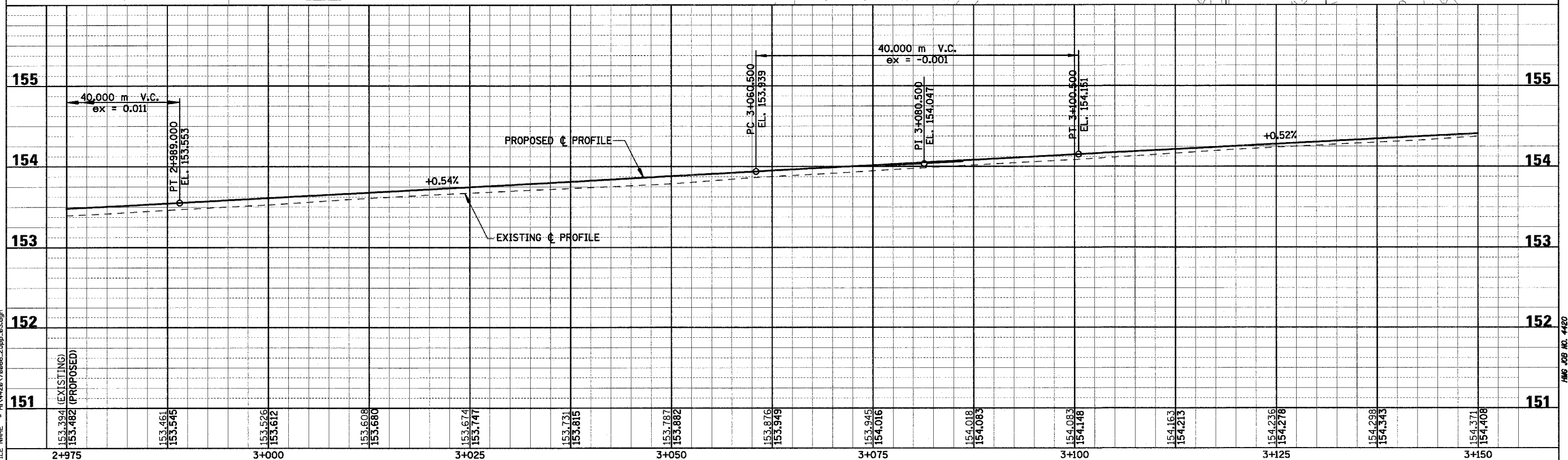
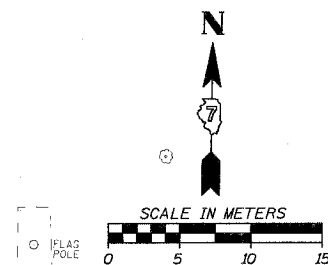
HMG JOB NO. 4480

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
781	1YRS, 2ZRS-1	CRAWFORD	378
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

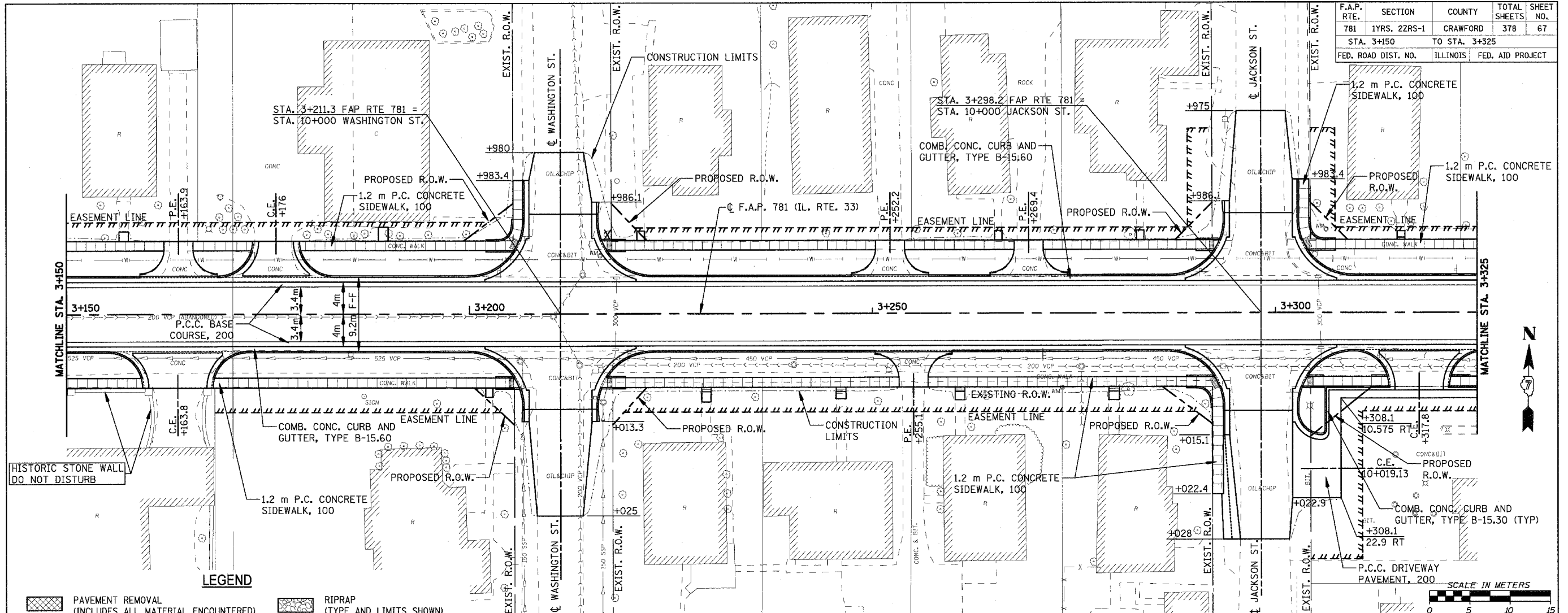


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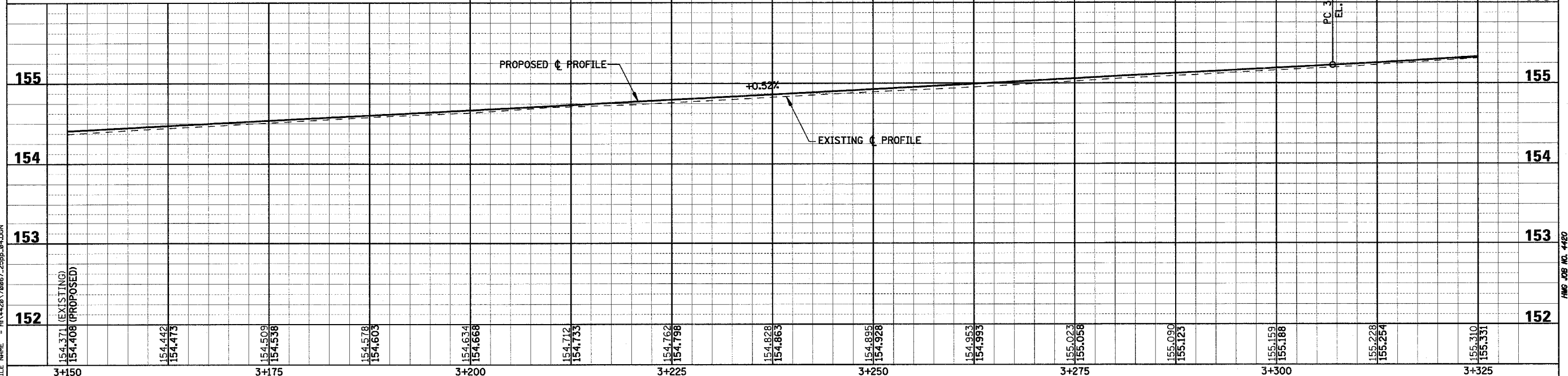
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HMG JOB NO. 4480

F.A.P. RTE. 781	SECTION 1YRS, 2ZRS-1	COUNTY CRAWFORD	TOTAL SHEETS 378	SHEET NO. 67
STA. 3+150		TO STA. 3+325		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



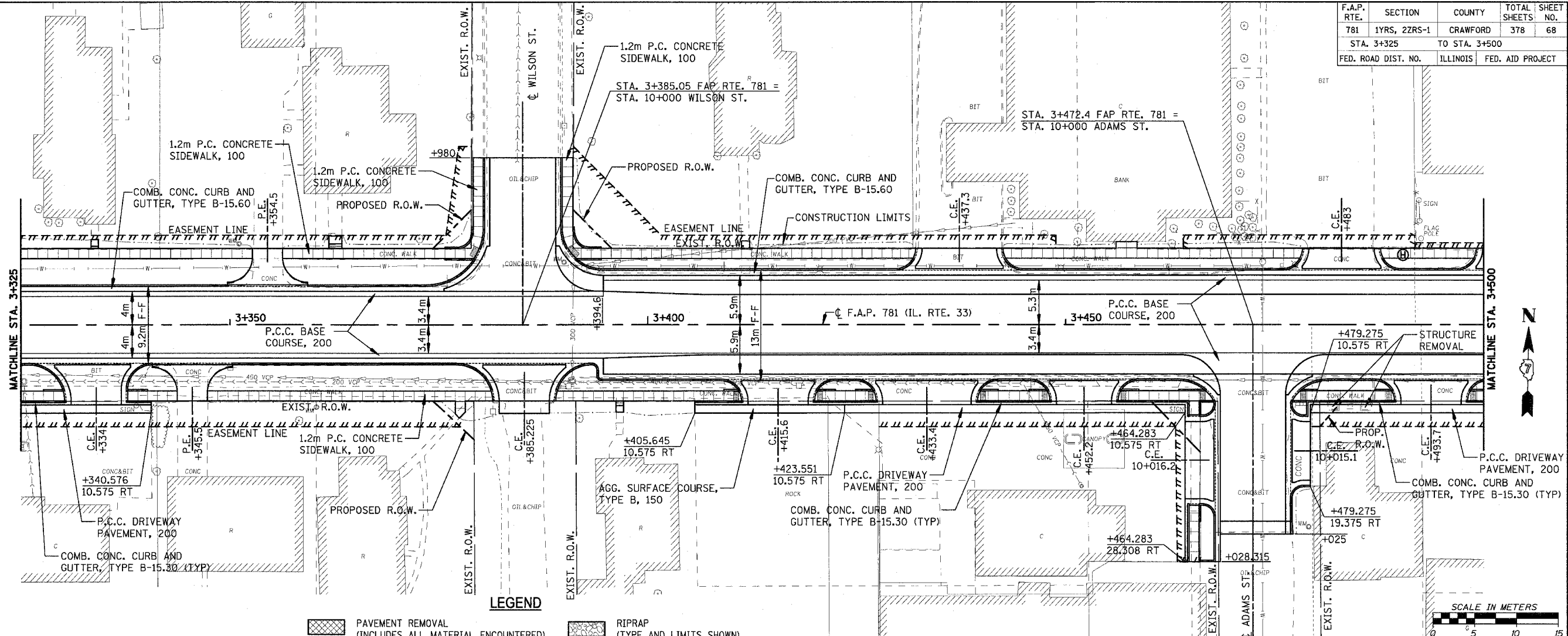
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	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)	X	TREE REMOVAL



PLOT DATE = 4/18/2008  
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 HMC JOB NO. 4420

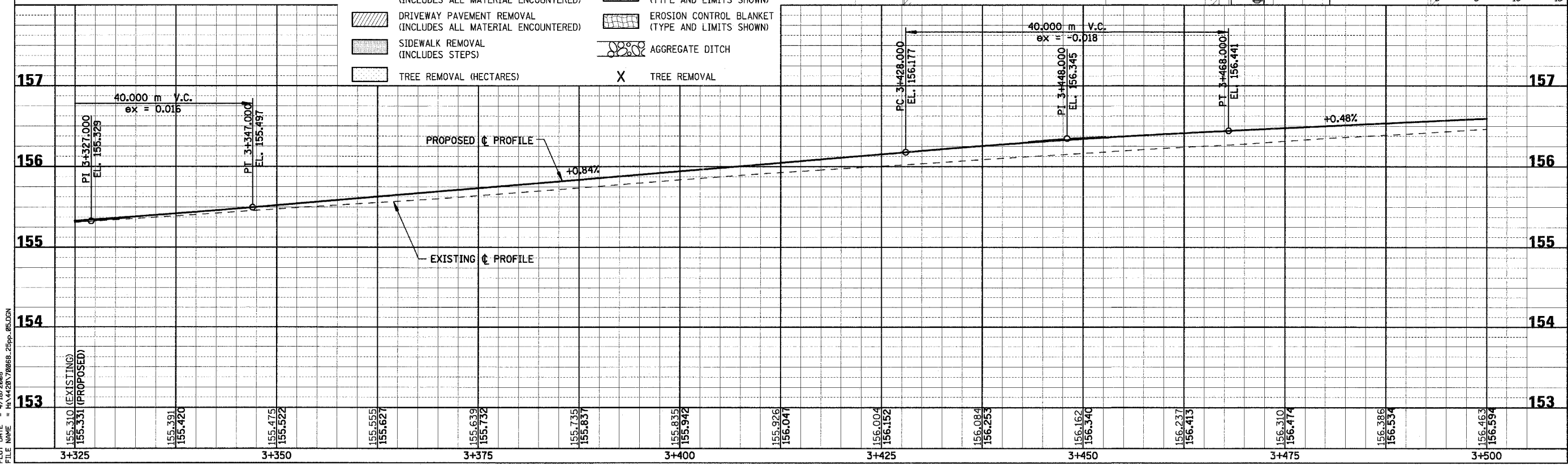
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F.A.P. RTE. 781	SECTION 1YRS, 2ZRS-1	COUNTY CRAWFORD	TOTAL SHEETS 378	SHEET NO. 68
STA. 3+325		TO STA. 3+500		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



**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

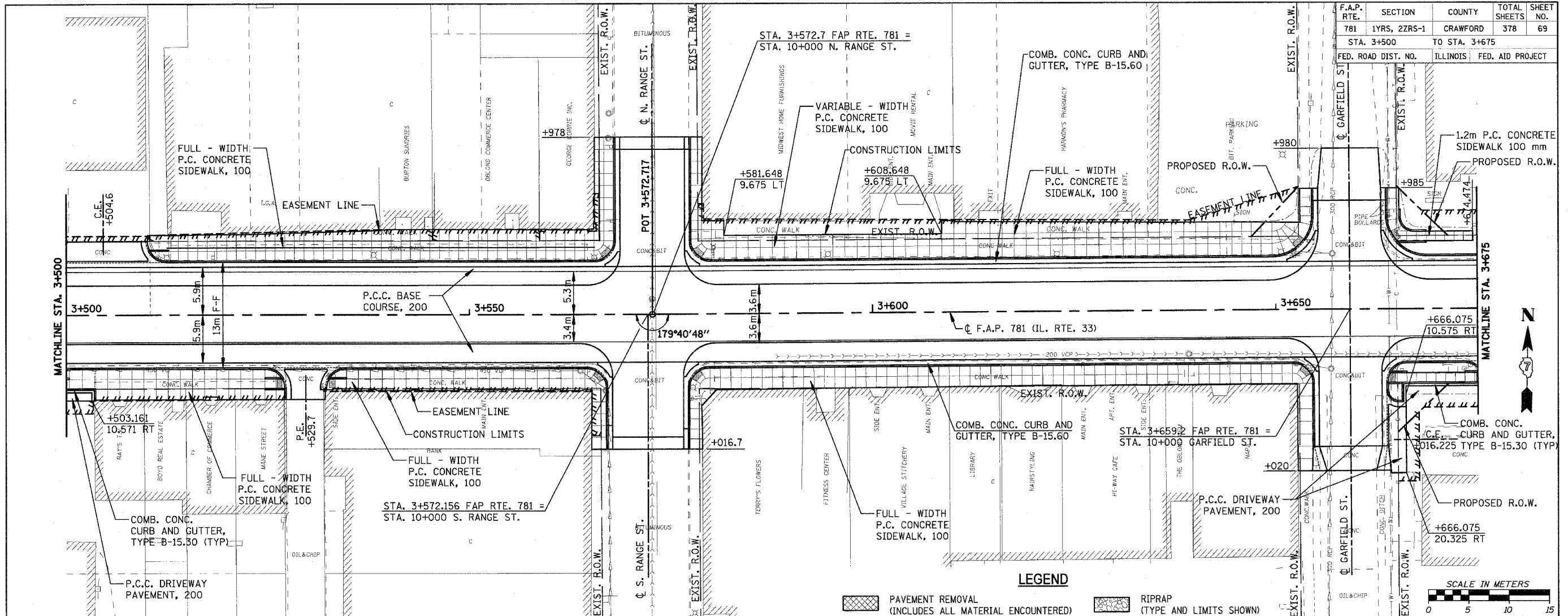


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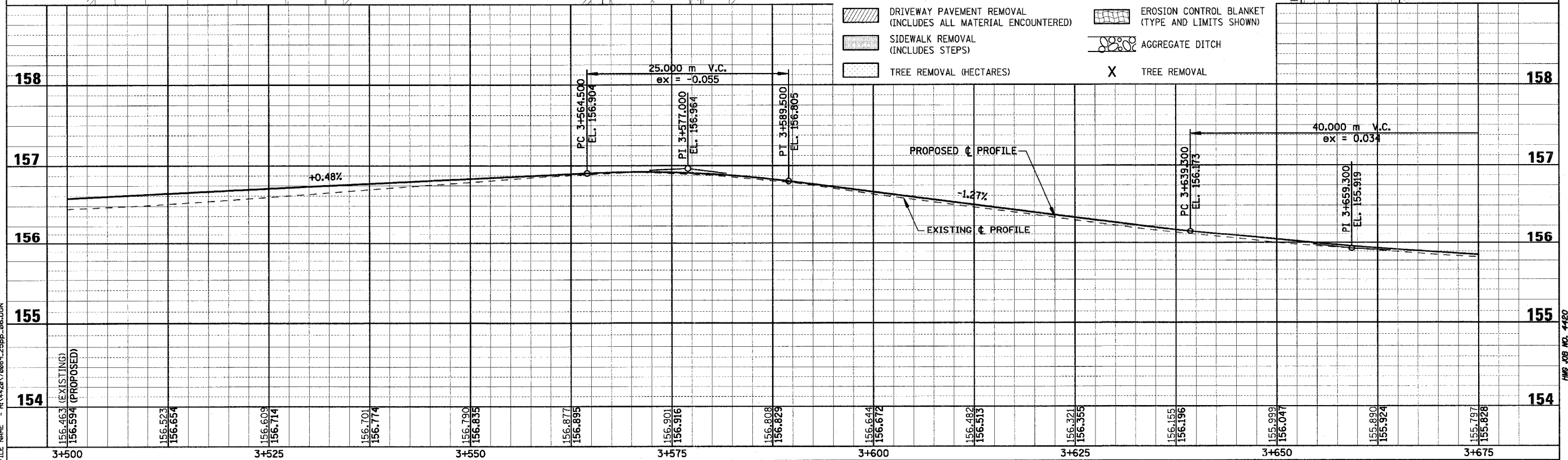
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HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	69
STA. 3+500		TO STA. 3+675		
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)
  - TREE REMOVAL
  - RIPRAP (TYPE AND LIMITS SHOWN)
  - EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
  - AGGREGATE DITCH

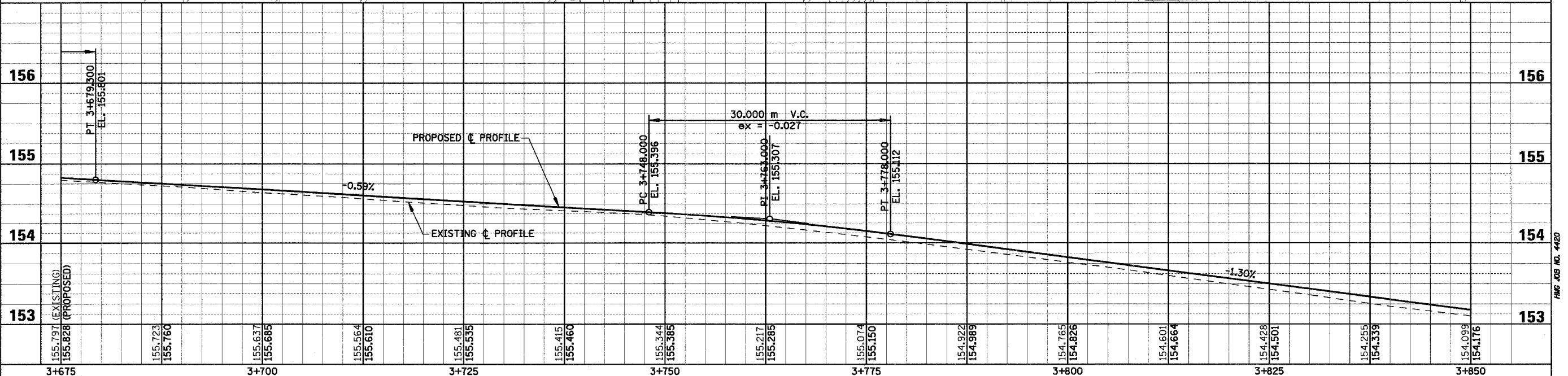
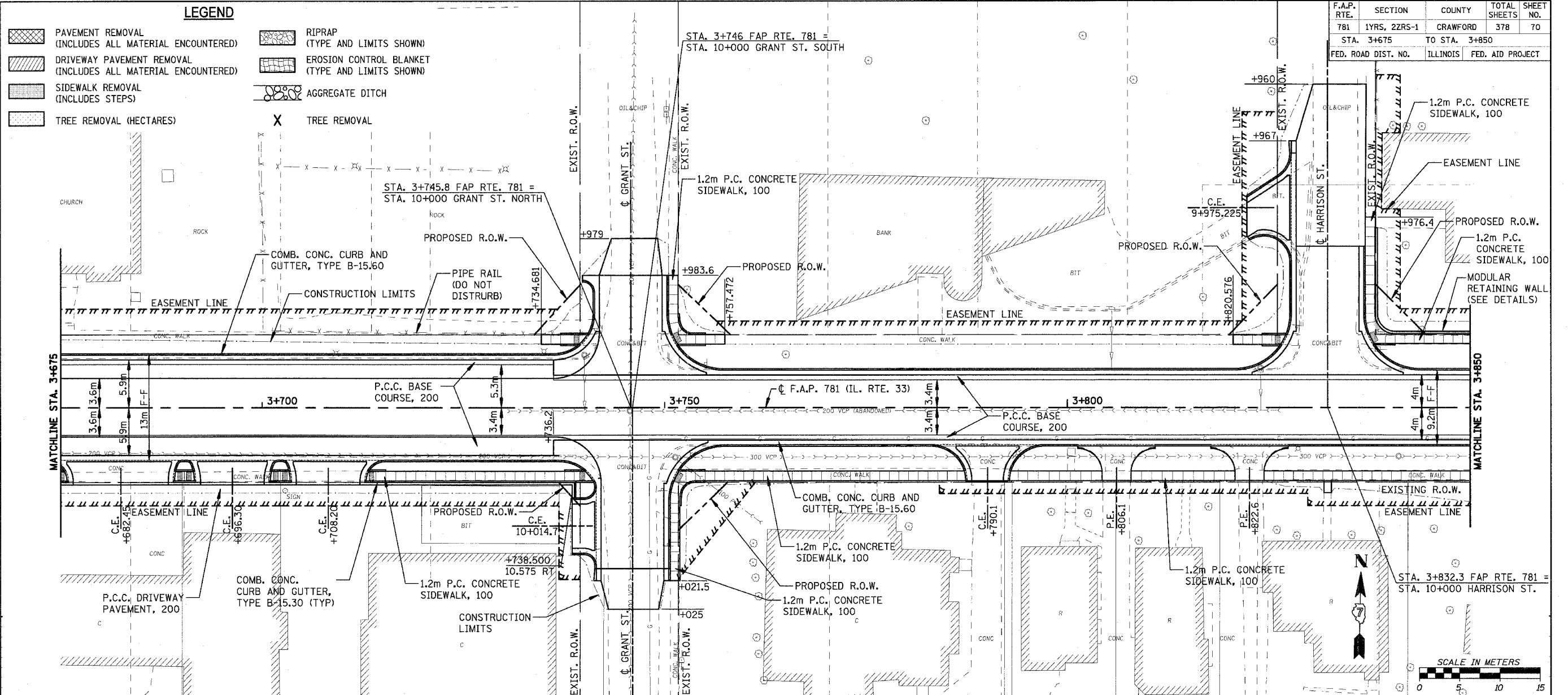


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PLOT DATE = 4/18/2008  
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HMG JOB NO. 4420

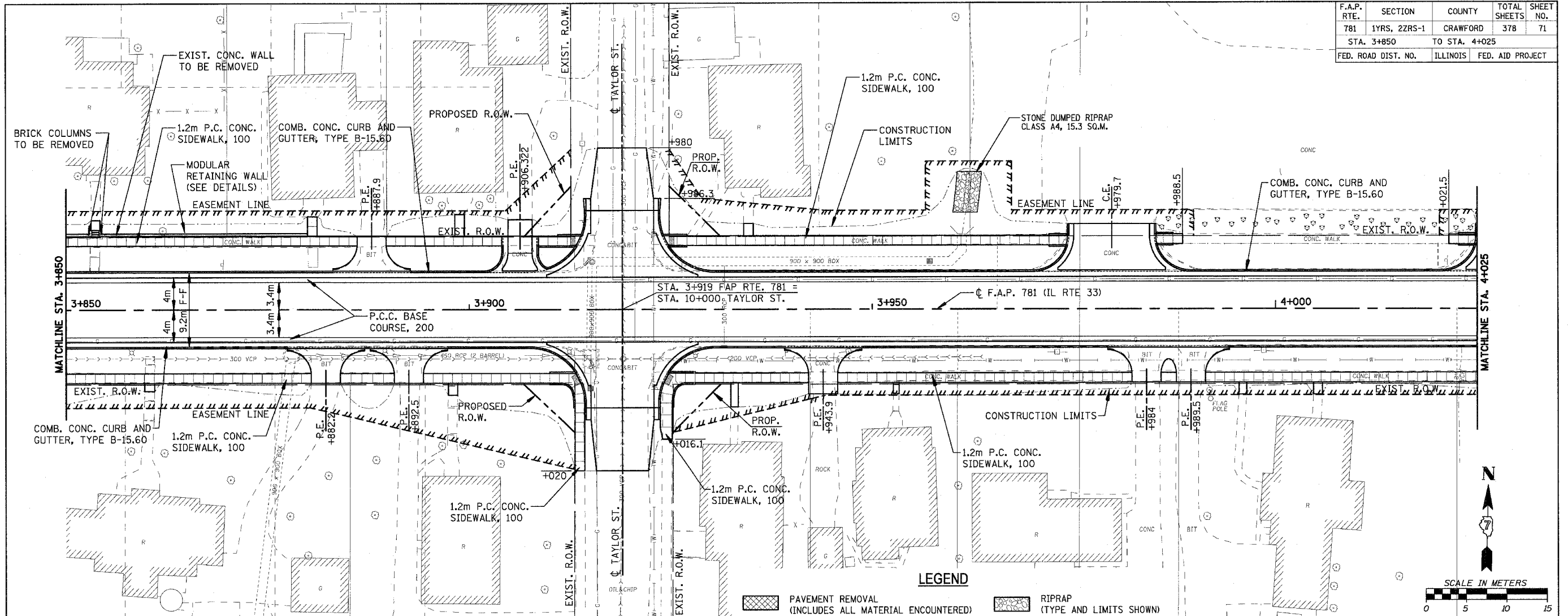
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	70
STA. 3+675		TO STA. 3+850		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



PLOT DATE = 4/16/2008  
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 HMG JOB NO. 4420

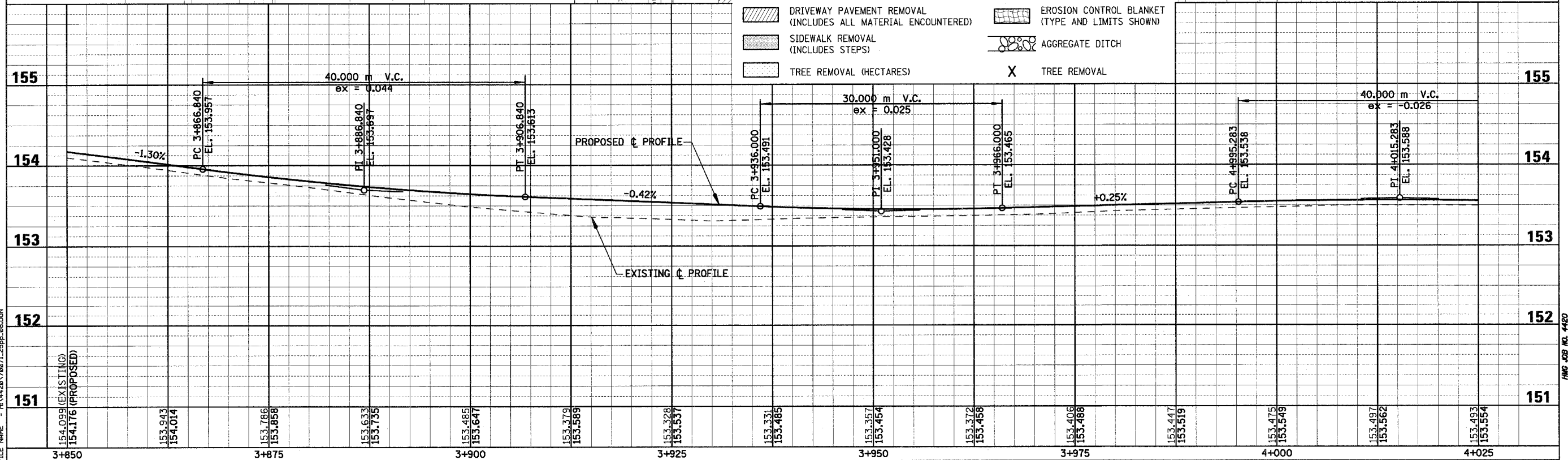
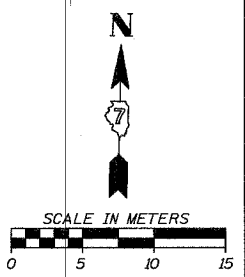
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	71
STA. 3+850		TO STA. 4+025		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**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)	X	TREE REMOVAL

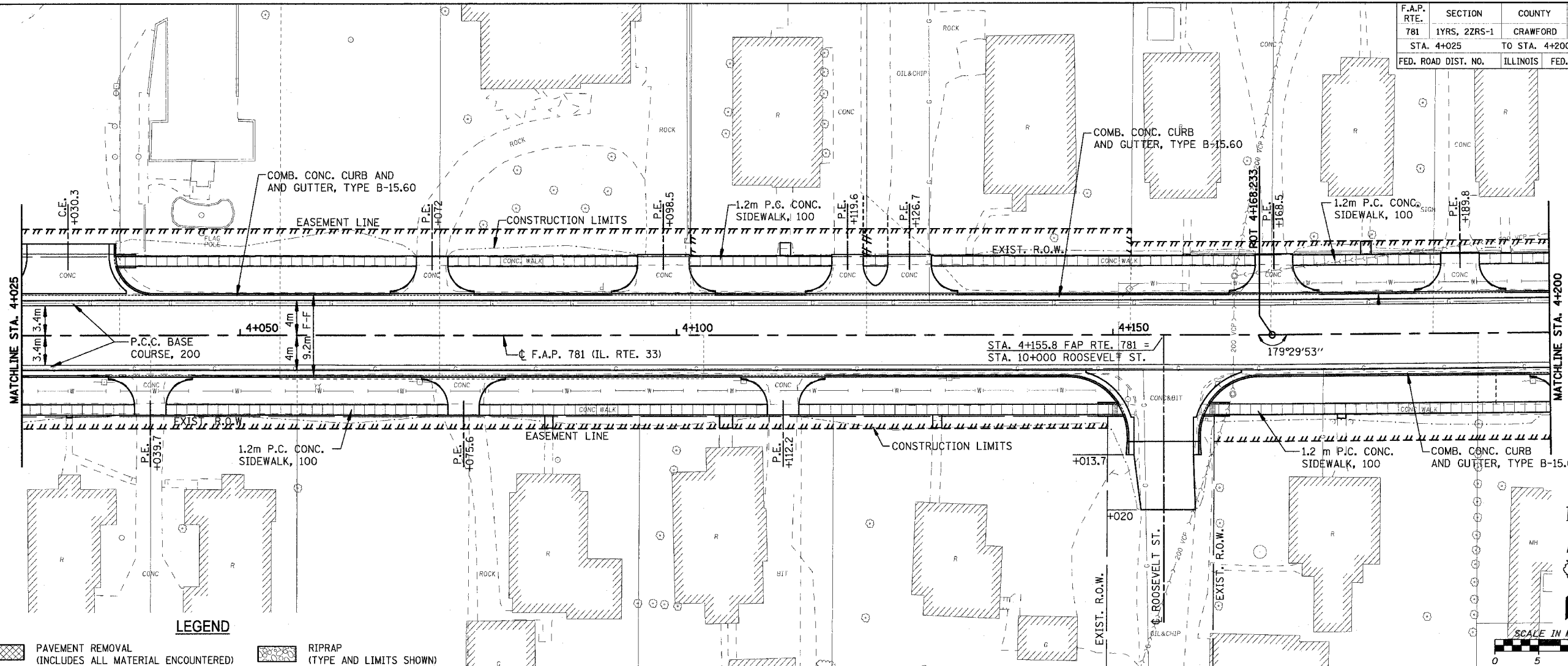


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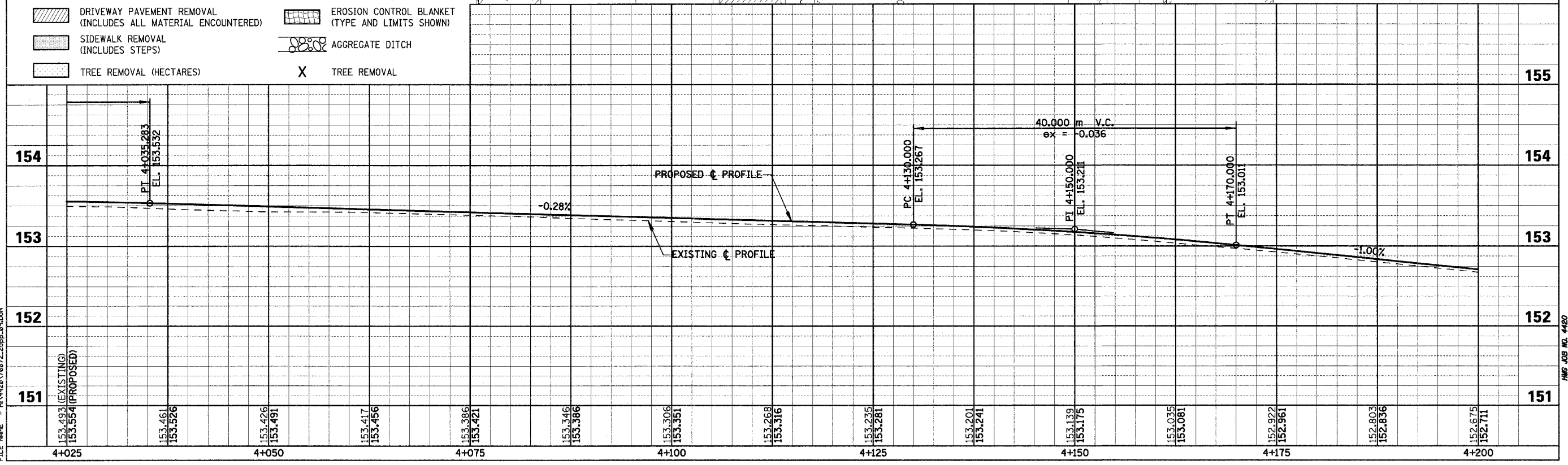
HMS JOB NO. 4428

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	72
STA. 4+025		TO STA. 4+200		
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



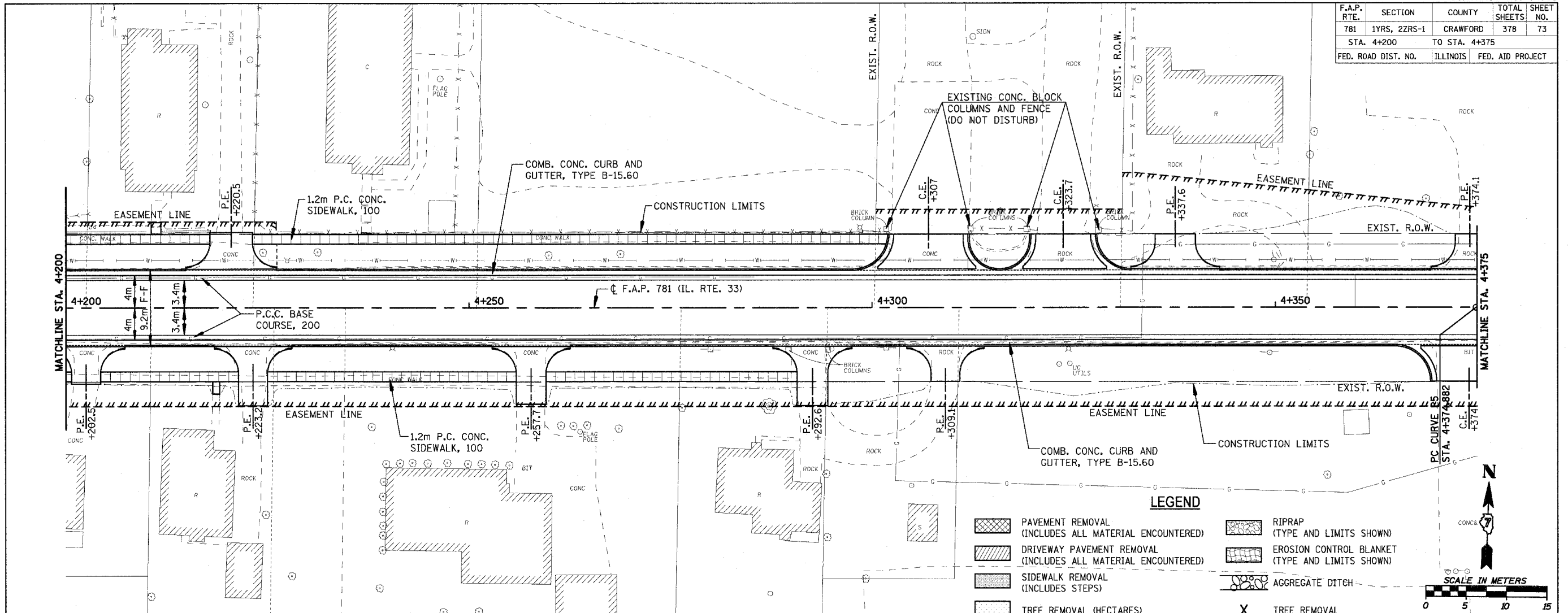
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HMG JOB NO. 4420

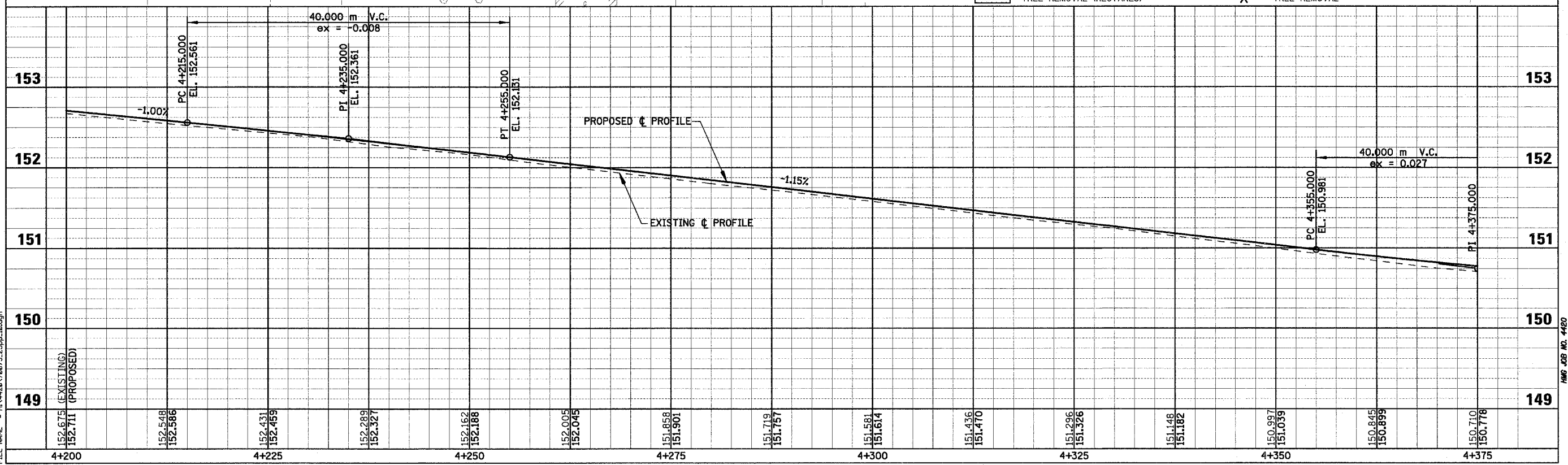


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	73
STA. 4+200		TO STA. 4+375		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**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

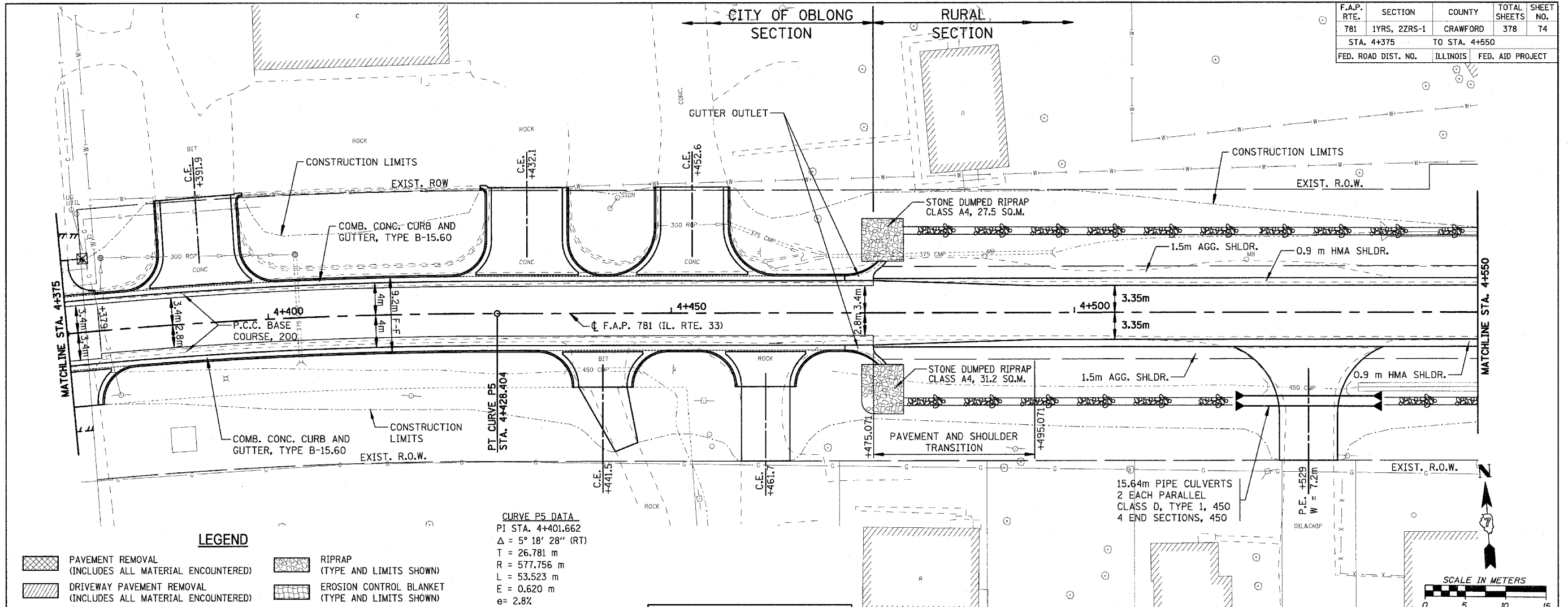


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PLOT DATE = 4/18/2008  
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HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	74
STA. 4+375		TO STA. 4+550		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

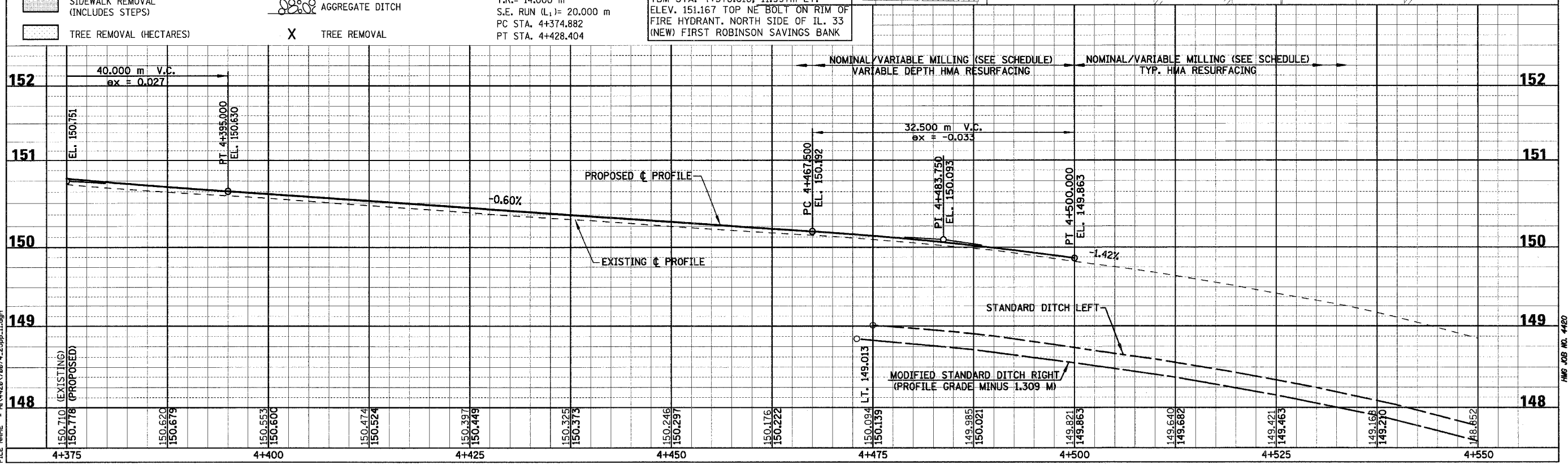


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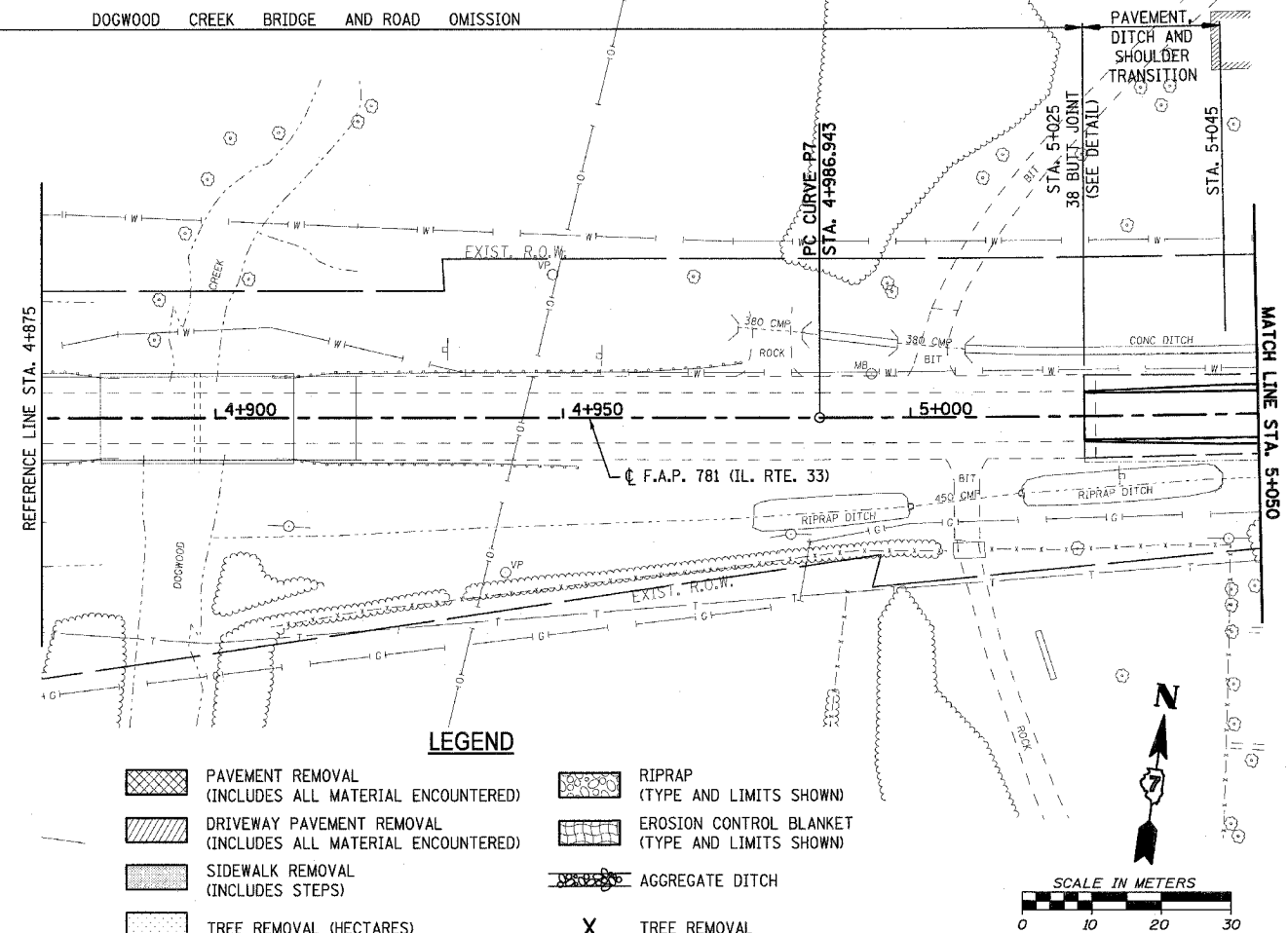
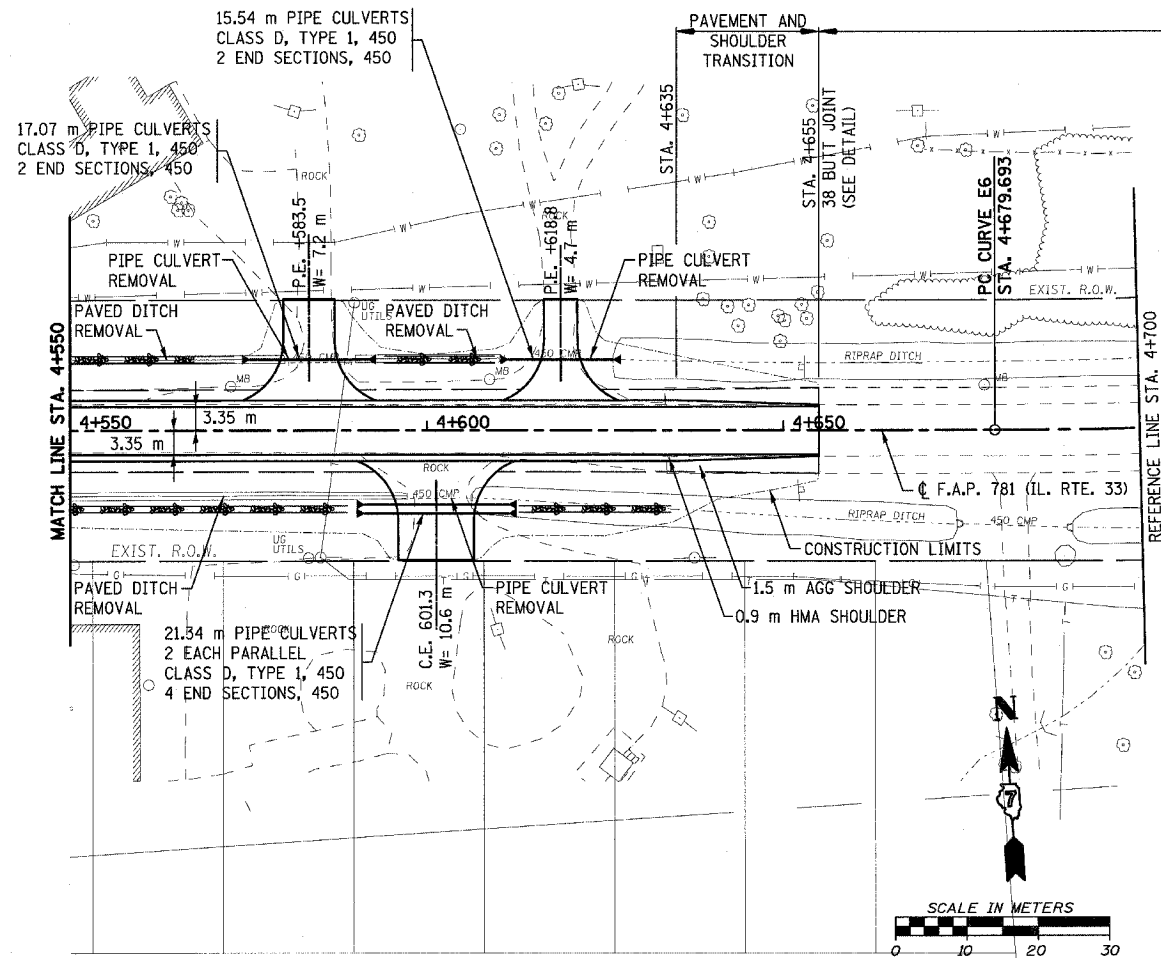
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- DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)
- SIDEWALK REMOVAL (INCLUDES STEPS)
- TREE REMOVAL (HECTARES)
- RIPRAP (TYPE AND LIMITS SHOWN)
- EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
- AGGREGATE DITCH
- TREE REMOVAL

**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) = 20.000 m  
 PC STA. 4+374.882  
 PT STA. 4+428.404

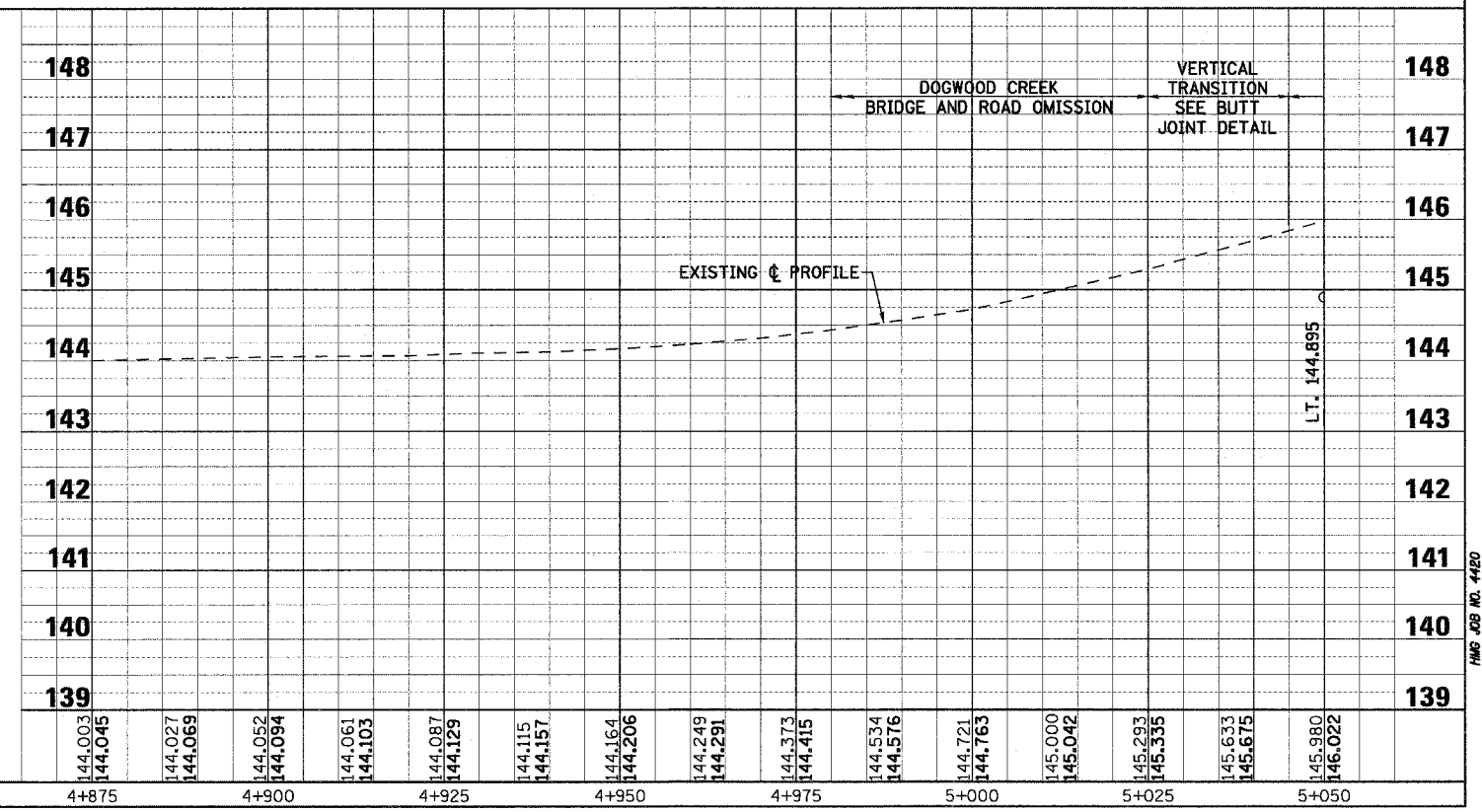
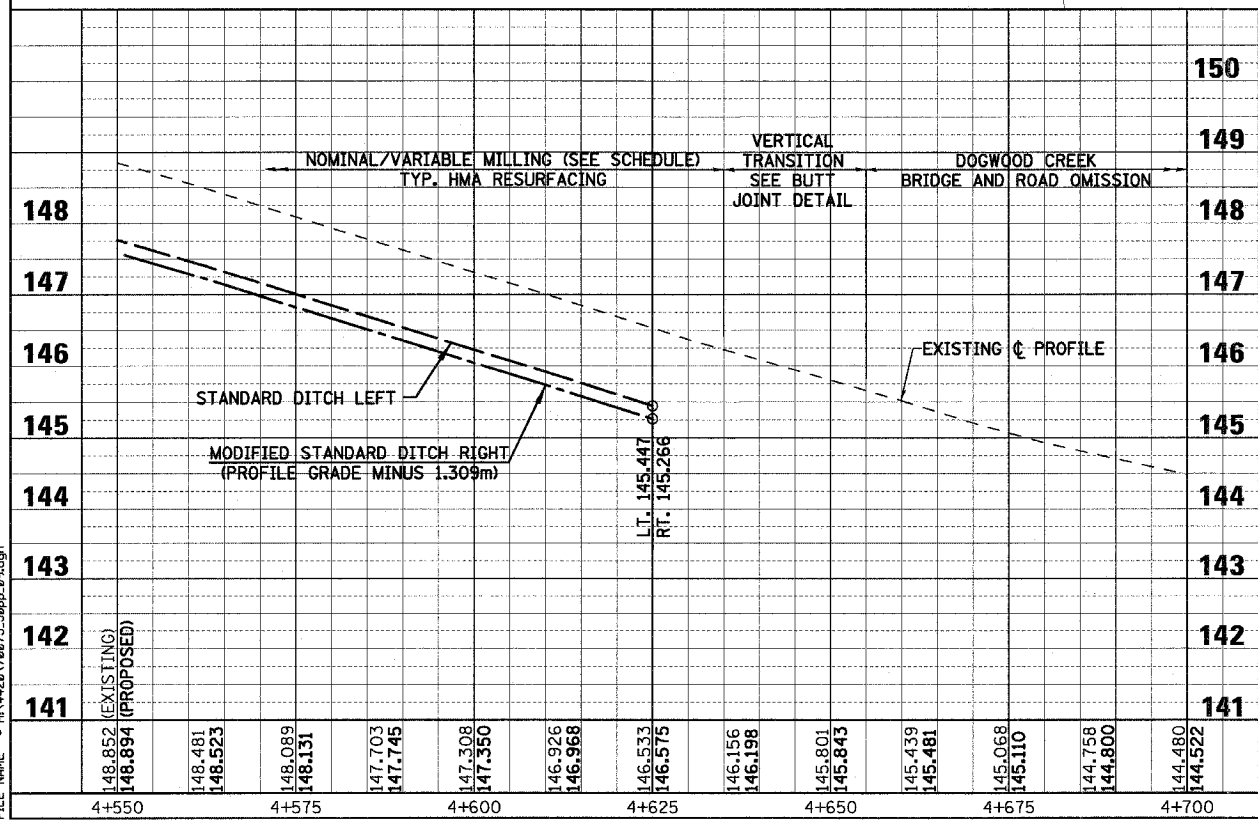
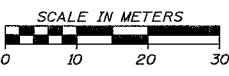
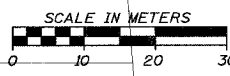
TBM STA. 4+378.618, 11.997m LT.  
 ELEV. 151.167 TOP NE BOLT ON RIM OF  
 FIRE HYDRANT, NORTH SIDE OF IL. 33  
 (NEW) FIRST ROBINSON SAVINGS BANK



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	75
STA. 4+550		TO STA. 5+050		
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



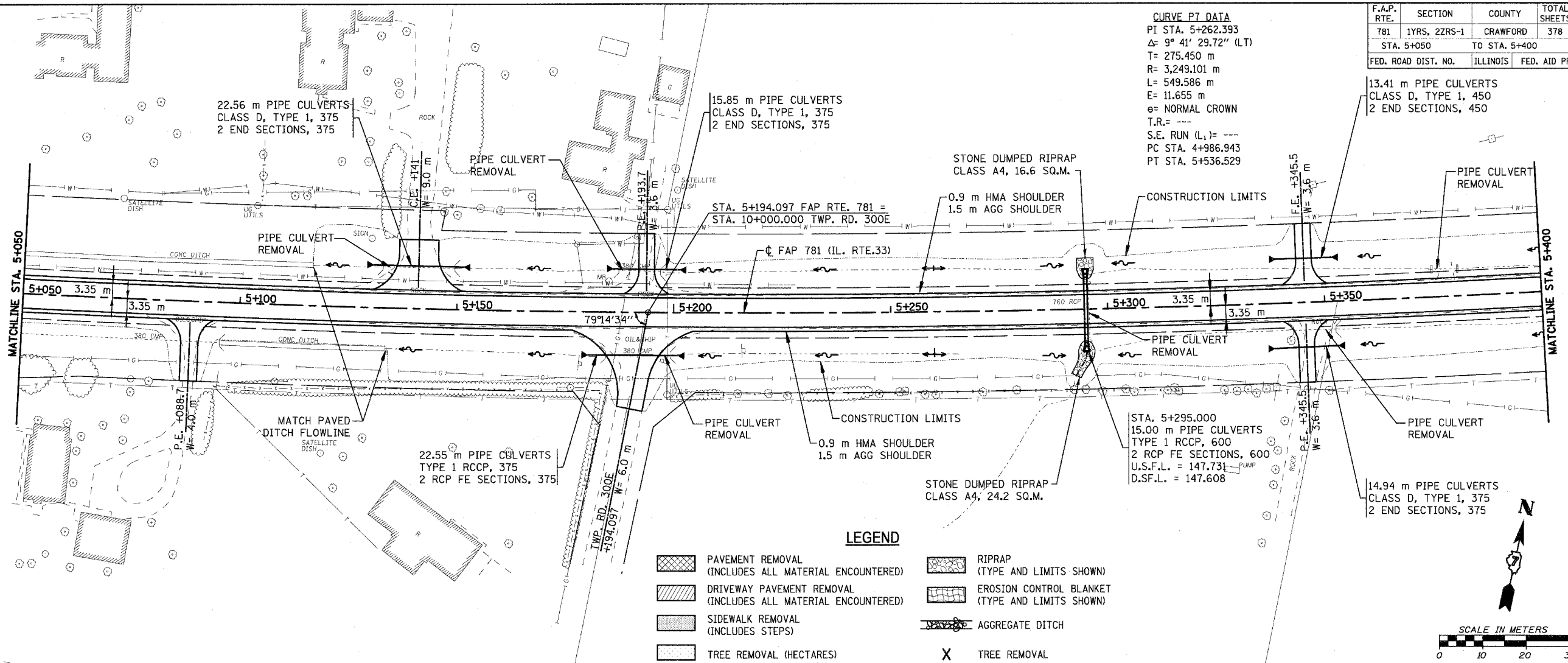
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PLOT DATE = 4/18/2008  
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HMG JOB NO. 4480

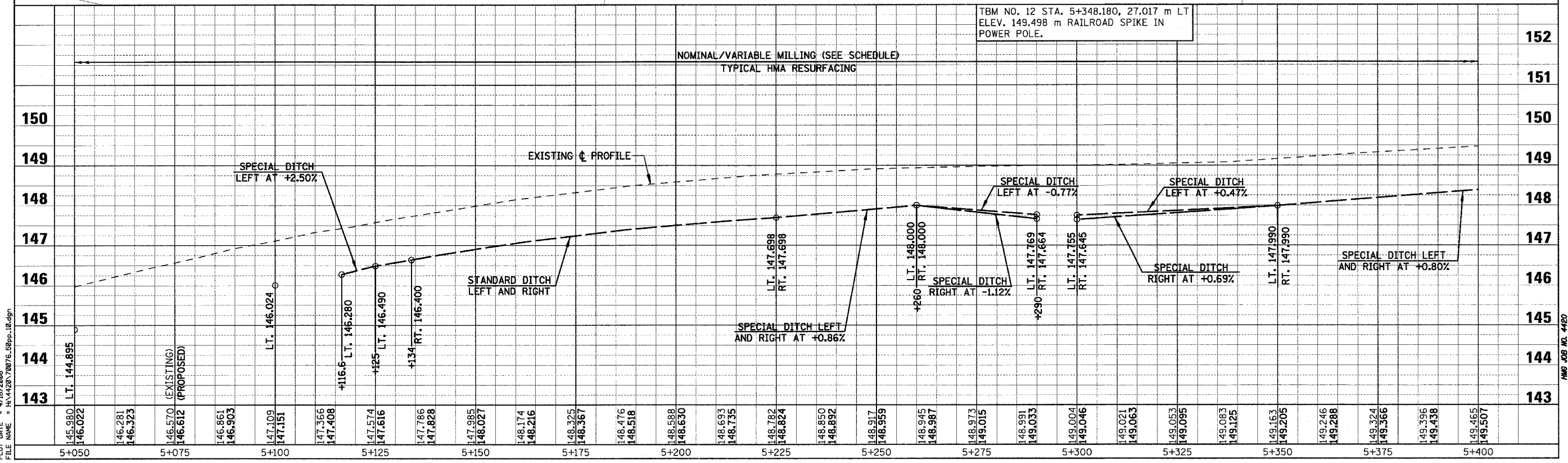
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	76
STA. 5+050		TO STA. 5+400		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**CURVE P7 DATA**  
 PI STA. 5+262.393  
 $\Delta = 9^\circ 41' 29.72''$  (LT)  
 T = 275.450 m  
 R = 3,249.101 m  
 L = 549.586 m  
 E = 11.655 m  
 e = NORMAL CROWN  
 T.R. = ---  
 S.E. RUN (L<sub>1</sub>) = ---  
 PC STA. 4+986.943  
 PT STA. 5+536.529



**LEGEND**

	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVWAY 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

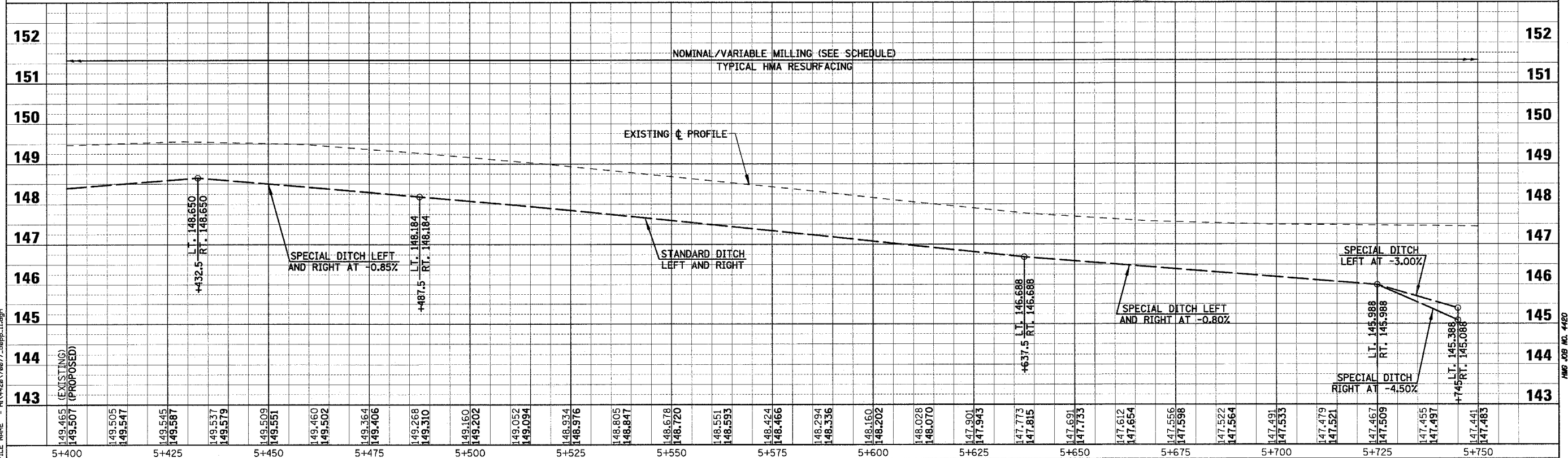
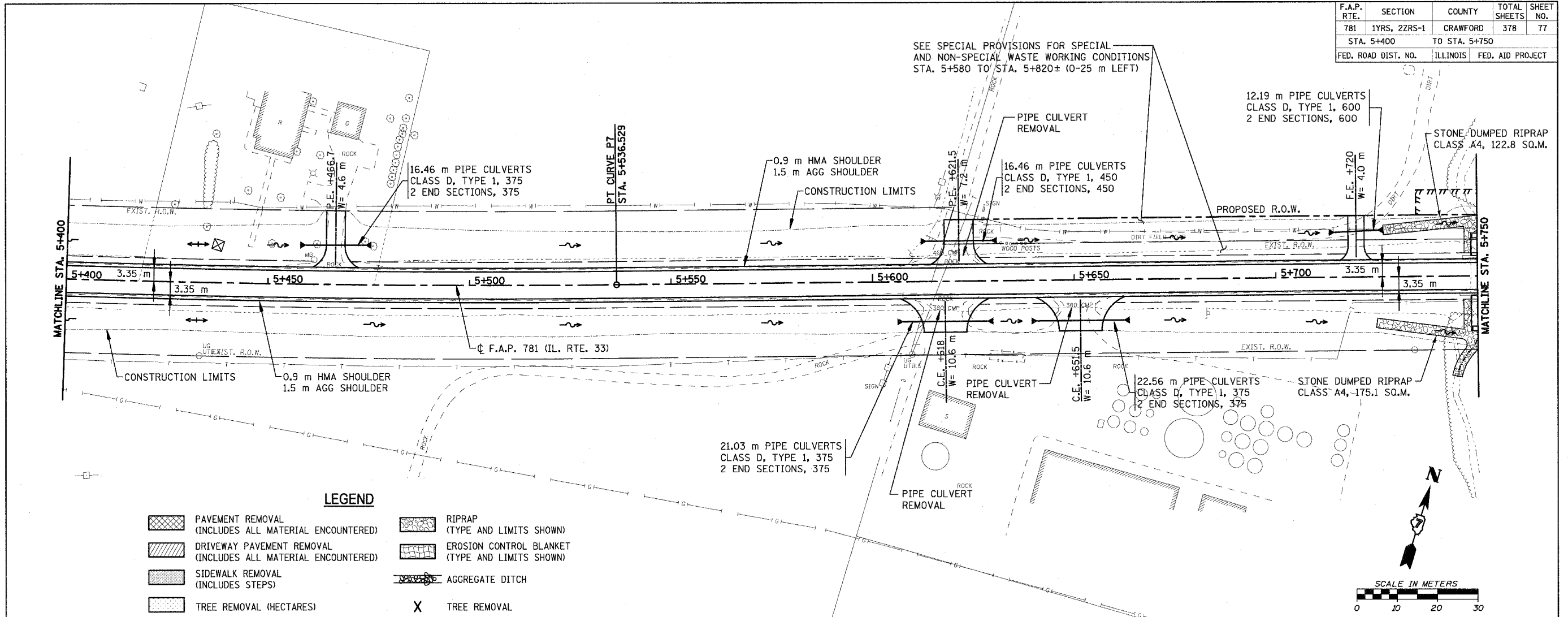


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 Chain: P\_IL33

HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	77
STA. 5+400		TO STA. 5+750		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

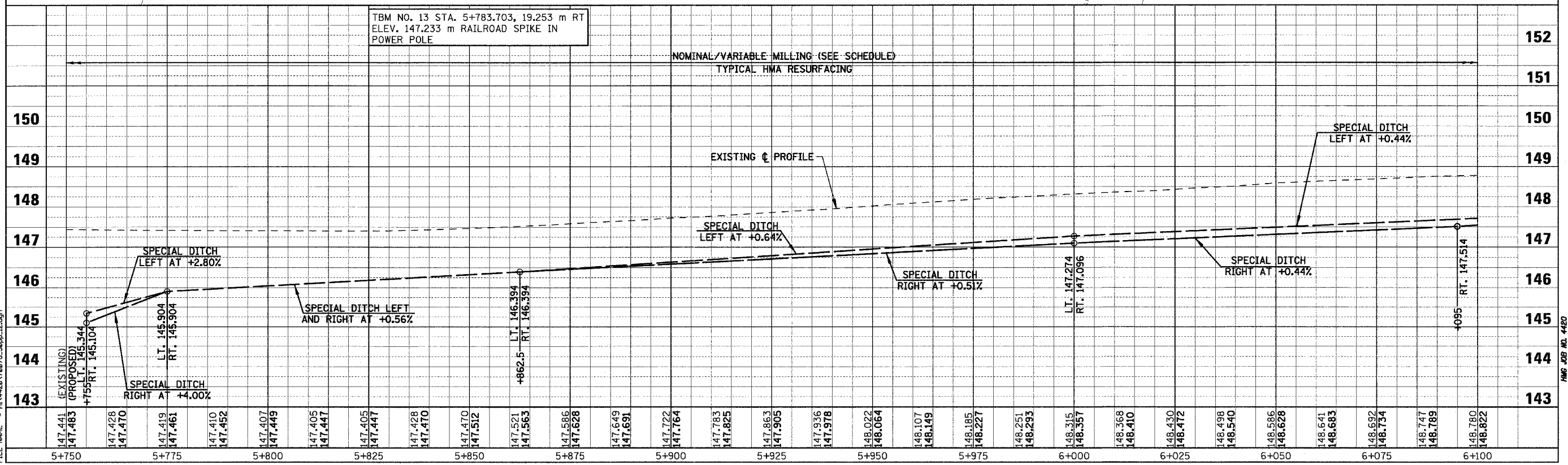
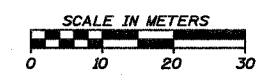
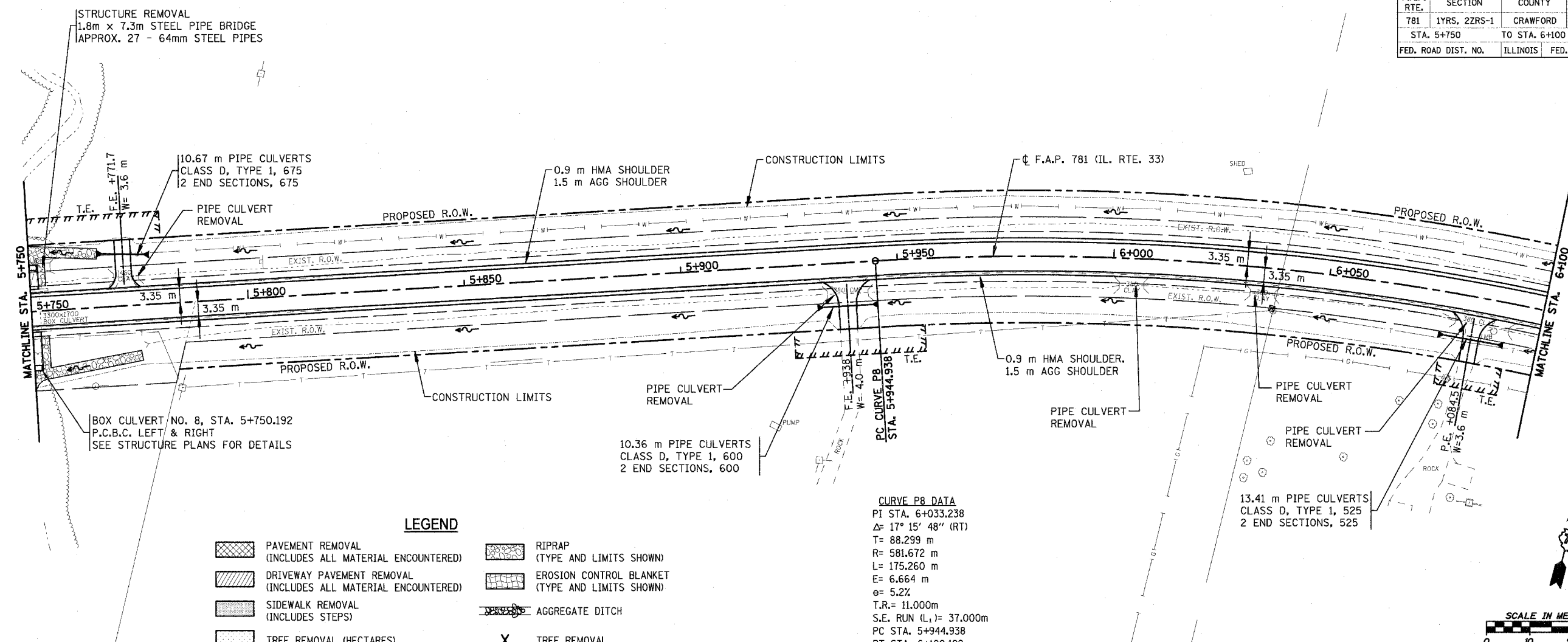


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 Chain: P\_1L33

HMG JOB NO. 4480

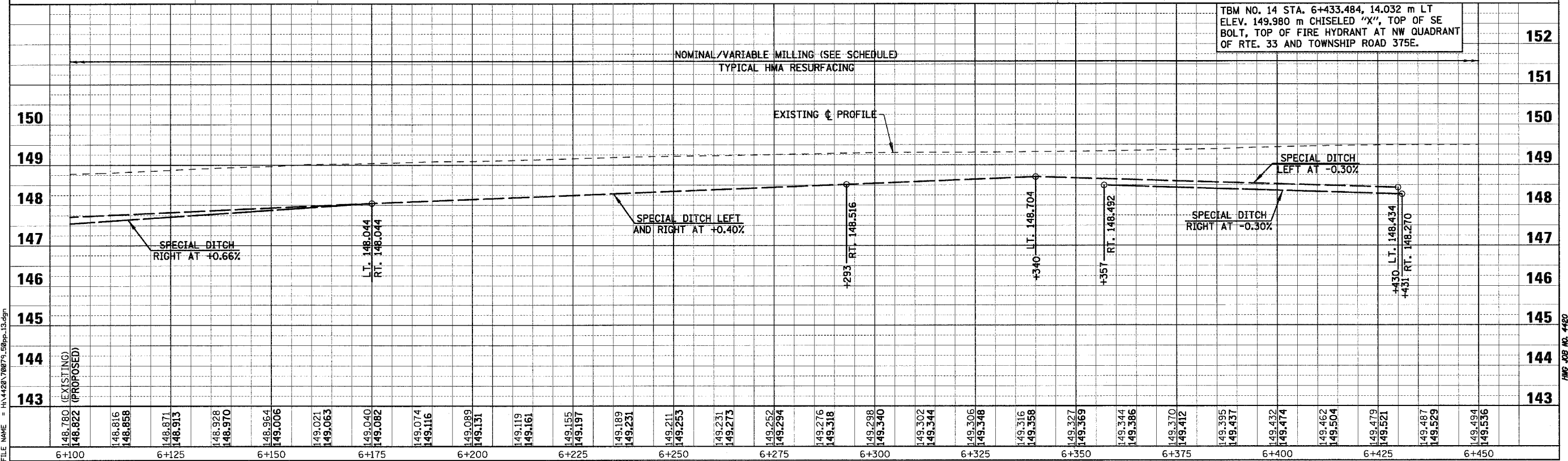
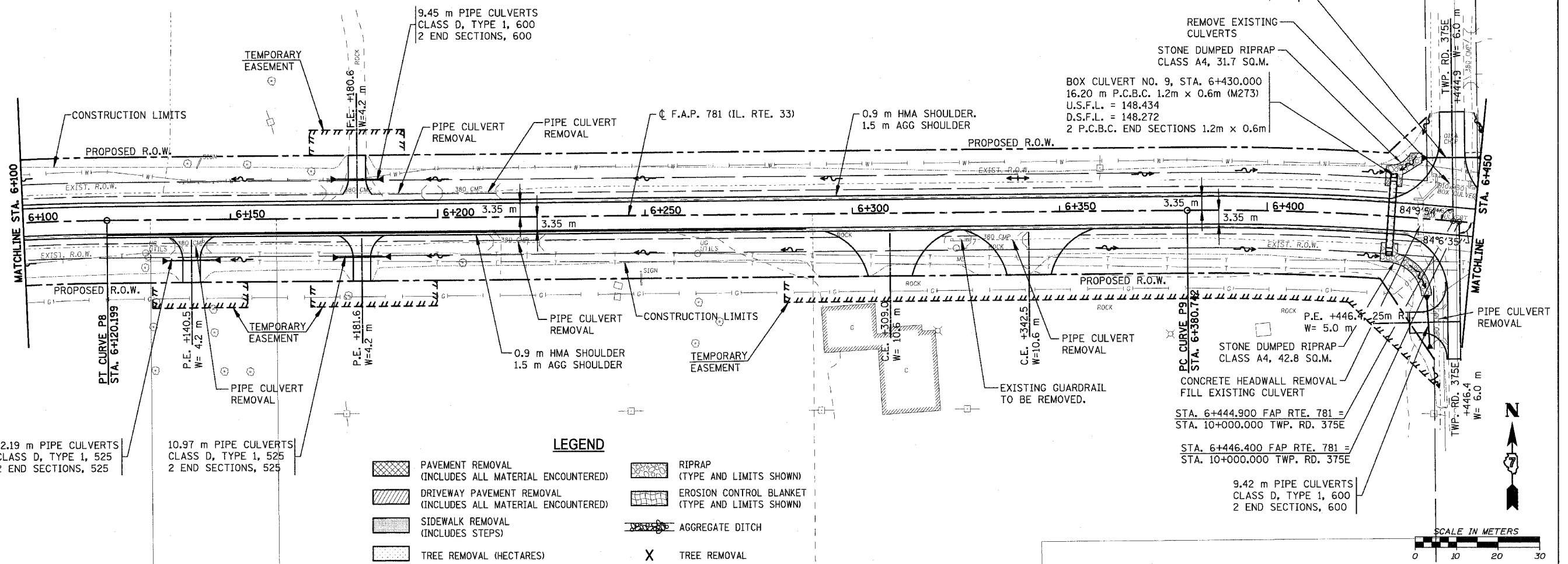
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	78
STA. 5+750		TO STA. 6+100		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 4/18/2008  
FILE NAME = H:\4428\78078\_506p-12.dgn

HMG JOB NO. 4420

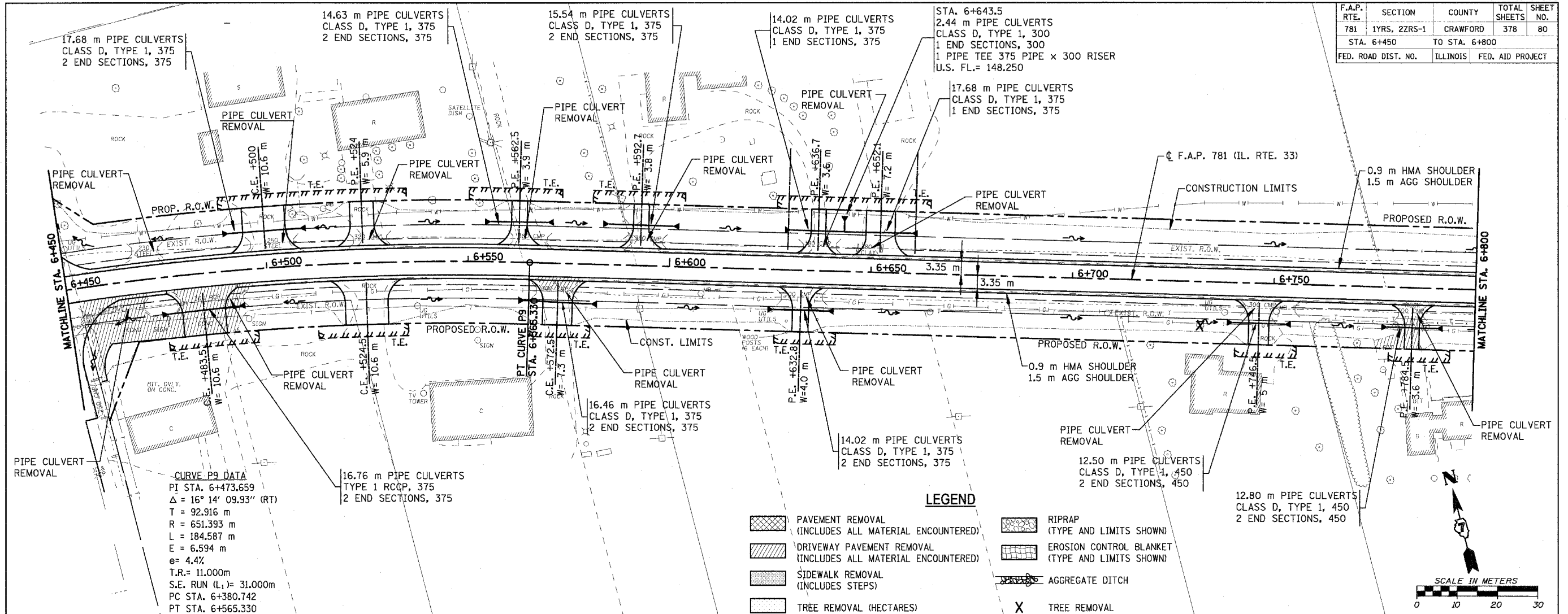
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	79
STA. 6+100		TO STA. 6+450		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



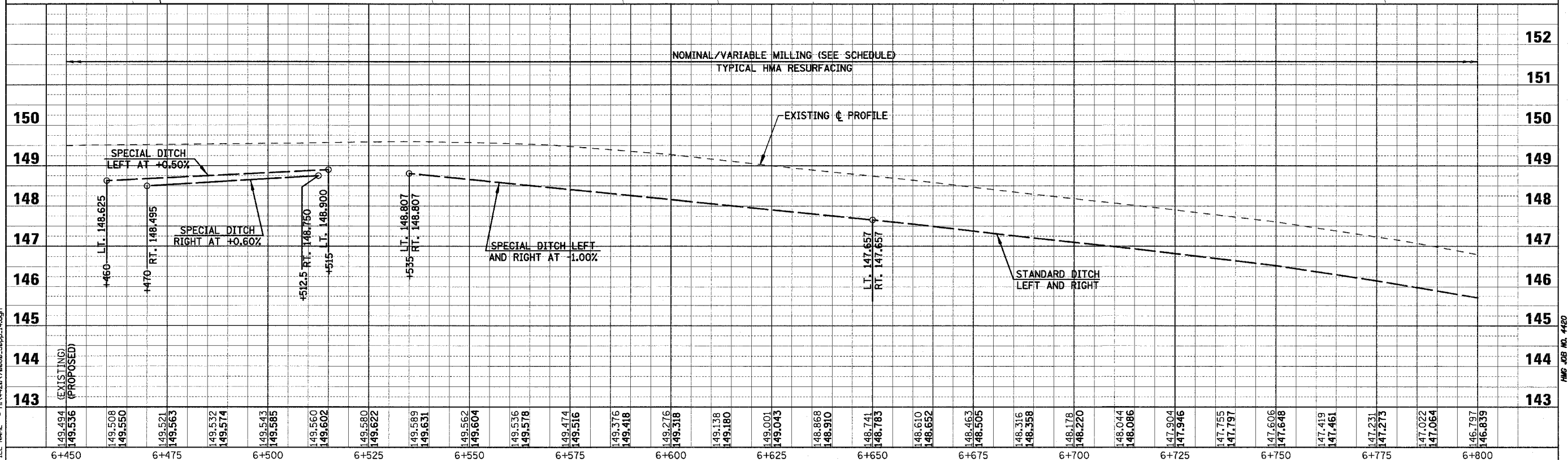
TBM NO. 14 STA. 6+433.484, 14.032 m LT ELEV. 149.980 m CHISELED "X", TOP OF SE BOLT, TOP OF FIRE HYDRANT AT NW QUADRANT OF RTE. 33 AND TOWNSHIP ROAD 375E.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	80
STA. 6+450		TO STA. 6+800		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**CURVE P9 DATA**  
 PI STA. 6+473.659  
 $\Delta = 16^\circ 14' 09.93''$  (RT)  
 T = 92.916 m  
 R = 651.393 m  
 L = 184.587 m  
 E = 6.594 m  
 e = 4.4%  
 T.R. = 11.000m  
 S.E. RUN (L<sub>1</sub>) = 31.000m  
 PC STA. 6+380.742  
 PT STA. 6+565.330



Sheet: 14  
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 Chain: P\_IL33

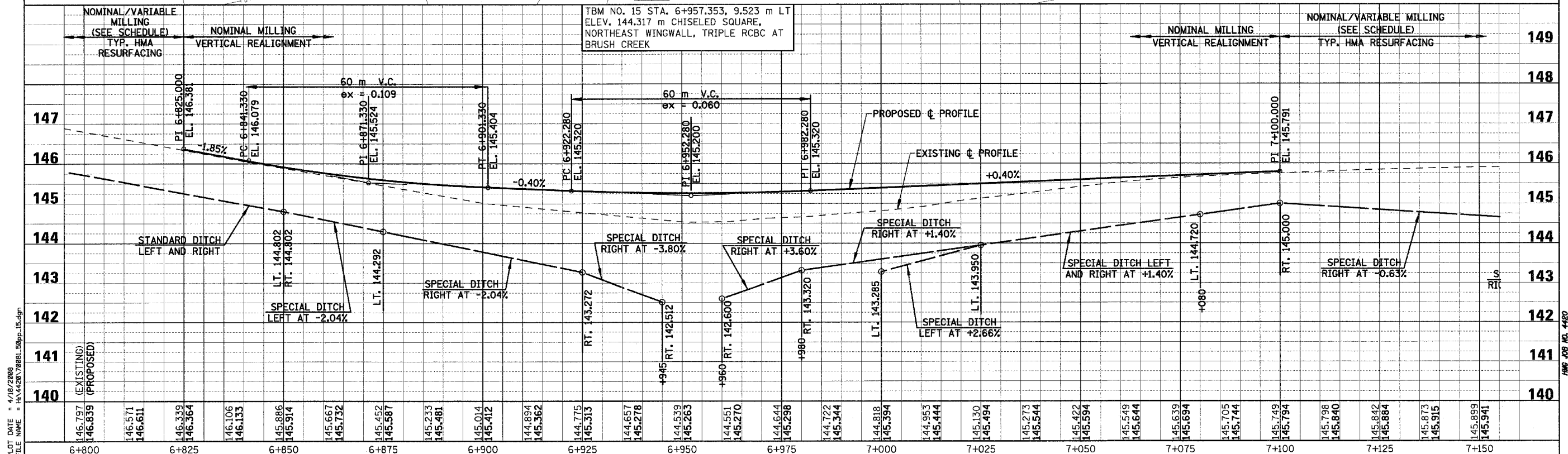
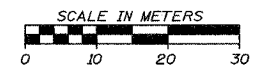
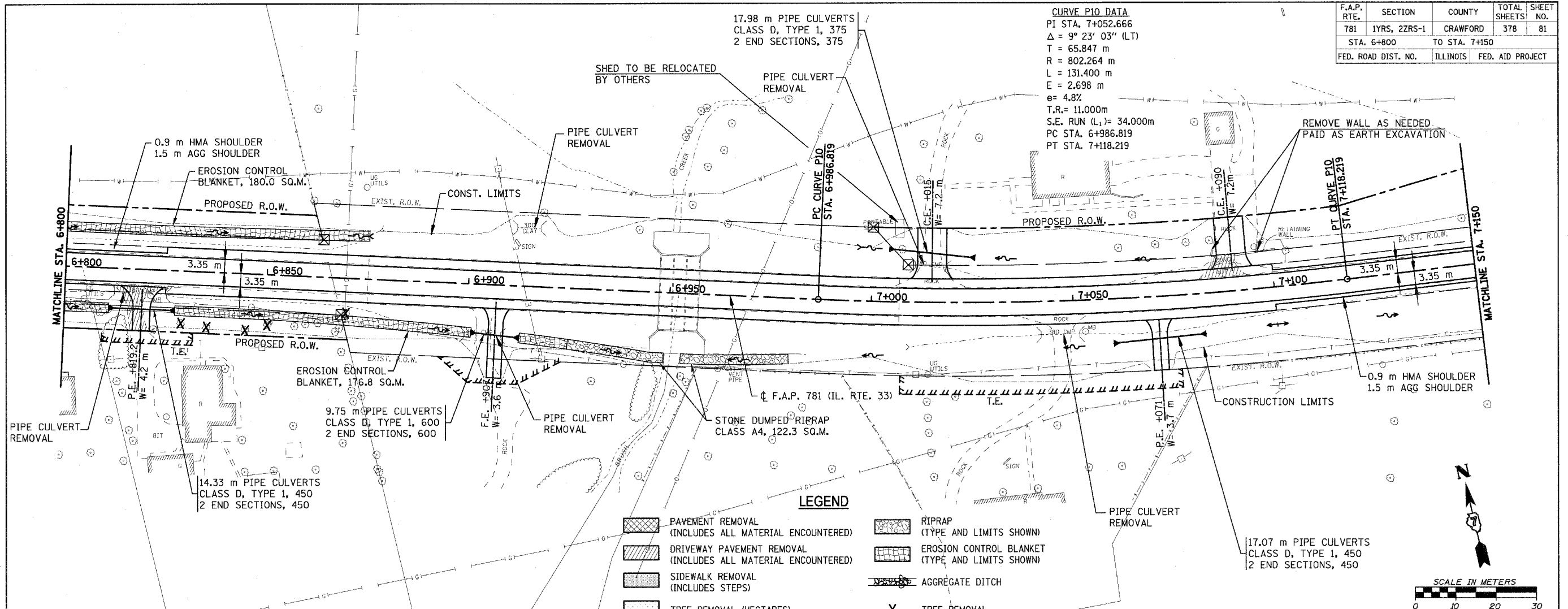
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HMG JOB NO. 4420



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	81
STA. 6+800		TO STA. 7+150		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**CURVE P10 DATA**  
 PI STA. 7+052.666  
 $\Delta = 9^\circ 23' 03''$  (LT)  
 T = 65.847 m  
 R = 802.264 m  
 L = 131.400 m  
 E = 2.698 m  
 e = 4.8%  
 T.R. = 11.000m  
 S.E. RUN (L) = 34.000m  
 PC STA. 6+986.819  
 PT STA. 7+118.219



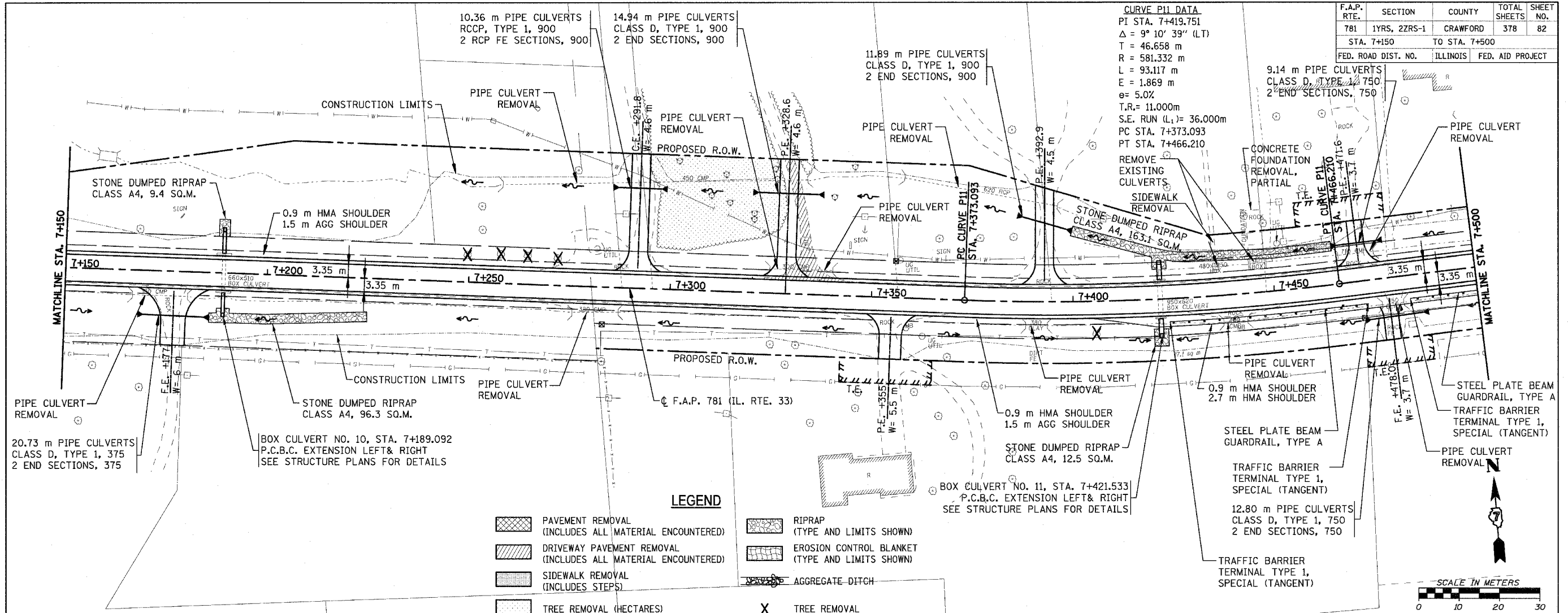
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 Angle: 346.8299  
 Chain: P\_IL33

HMG JOB NO. 448

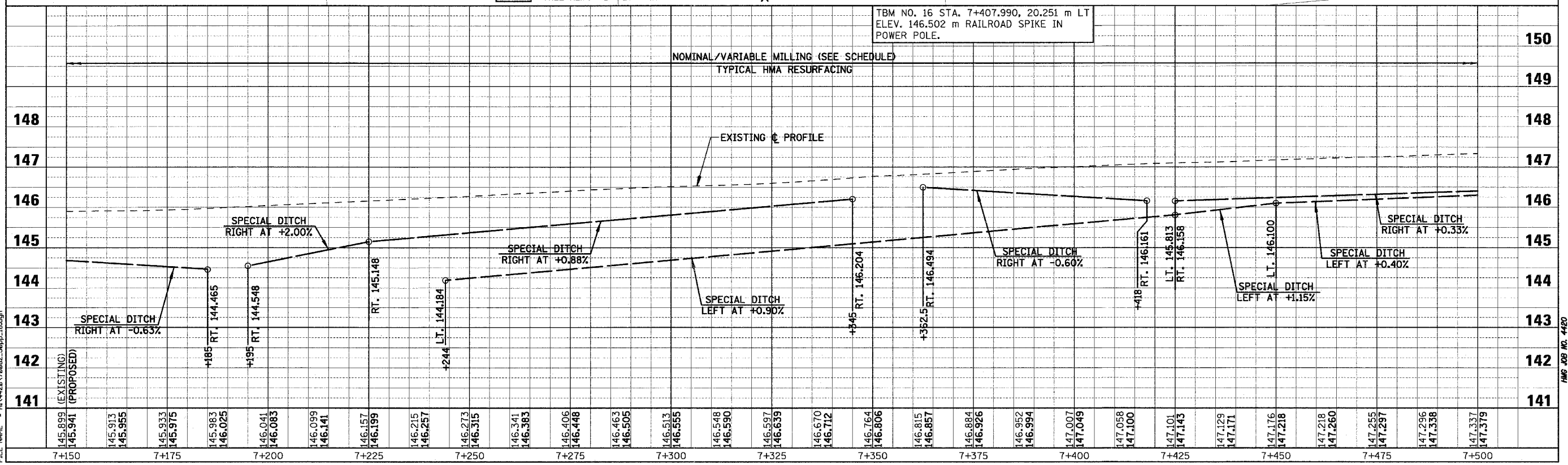
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	82
STA. 7+150		TO STA. 7+500		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**CURVE PII DATA**  
 PI STA. 7+419.751  
 $\Delta = 9^\circ 10' 39''$  (LT)  
 T = 46.658 m  
 R = 581.332 m  
 L = 93.117 m  
 E = 1.869 m  
 e = 5.0%  
 T.R. = 11.000m  
 S.E. RUN (L<sub>1</sub>) = 36.000m  
 PC STA. 7+373.093  
 PT STA. 7+466.210



**LEGEND**

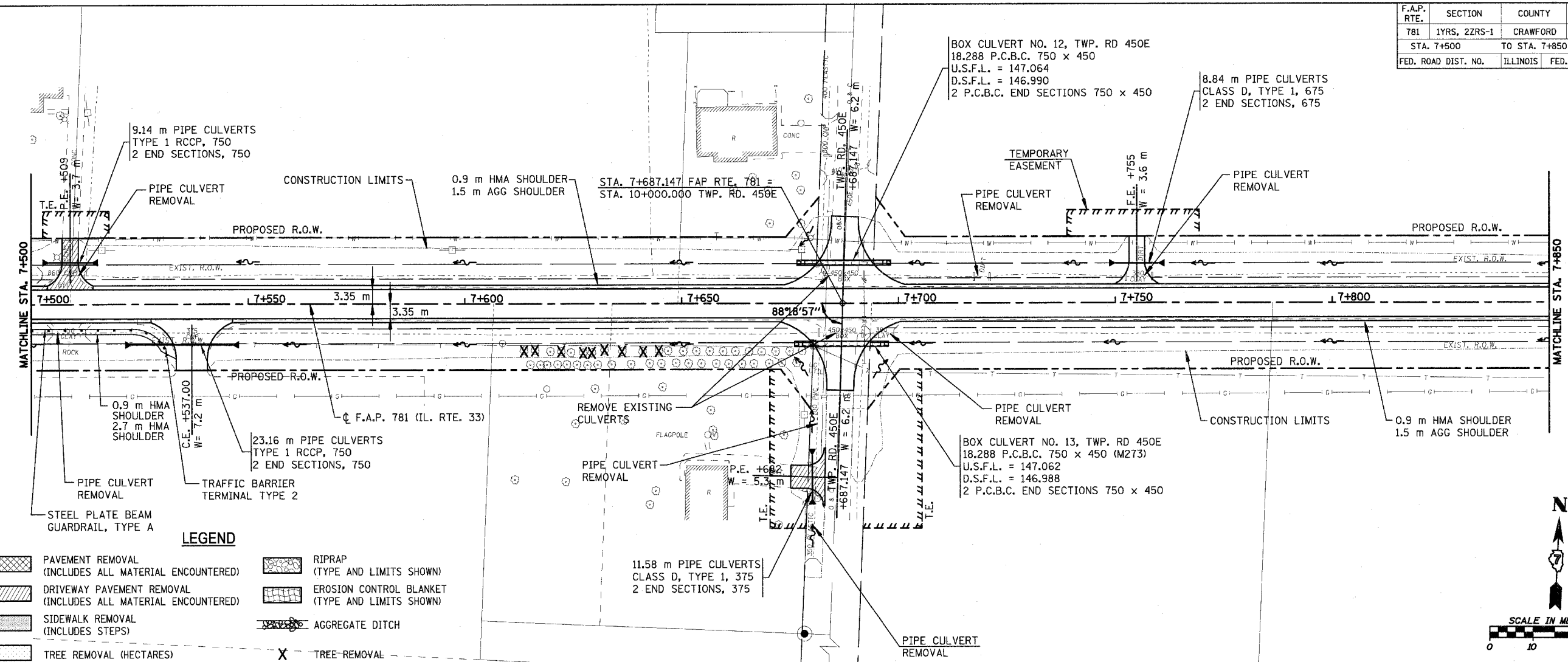
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	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL



PLOT DATE = 4/18/2008  
 FILE NAME = H:\4428\70882\_50pp\_15.dgn

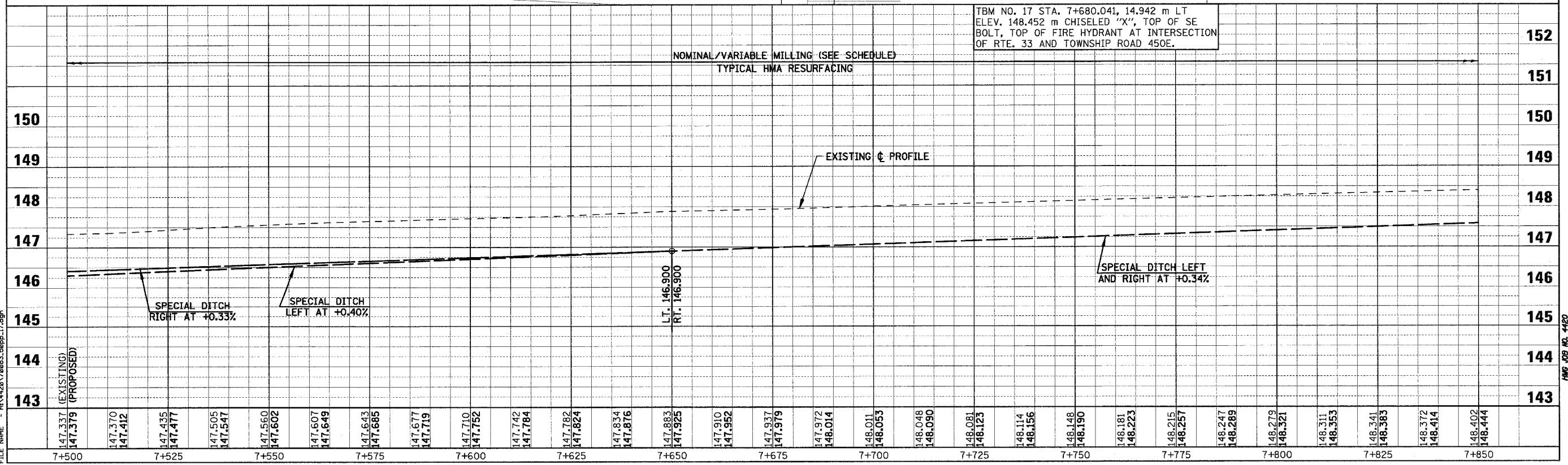
HMG JOB NO. 4428

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	83
STA. 7+500		TO STA. 7+850		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**LEGEND**

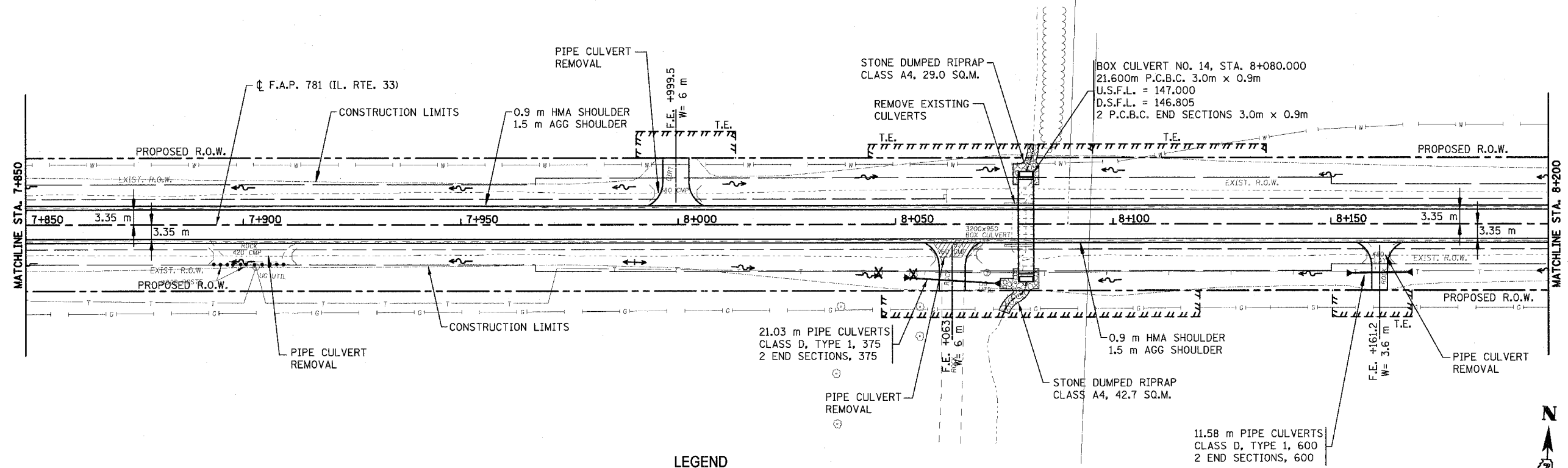
PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)	RIPRAP (TYPE AND LIMITS SHOWN)
DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)	EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
SIDEWALK REMOVAL (INCLUDES STEPS)	AGGREGATE DITCH
TREE REMOVAL (HECTARES)	TREE REMOVAL



PLOT DATE = 4/18/2008  
 FILE NAME = H:\428\76883\_58pp\_17.dgn

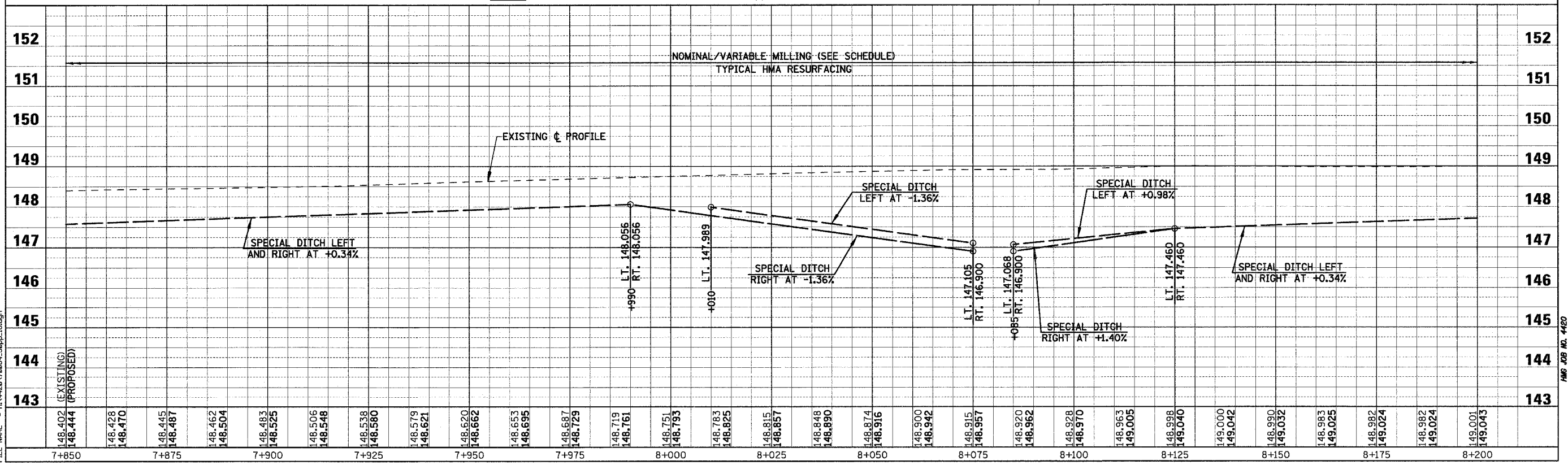
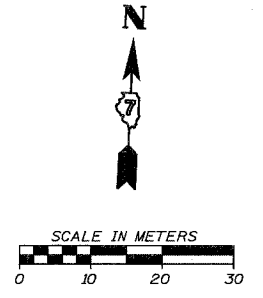
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 Chain: P\_IL33

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378 84
STA. 7+850	TO STA. 8+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

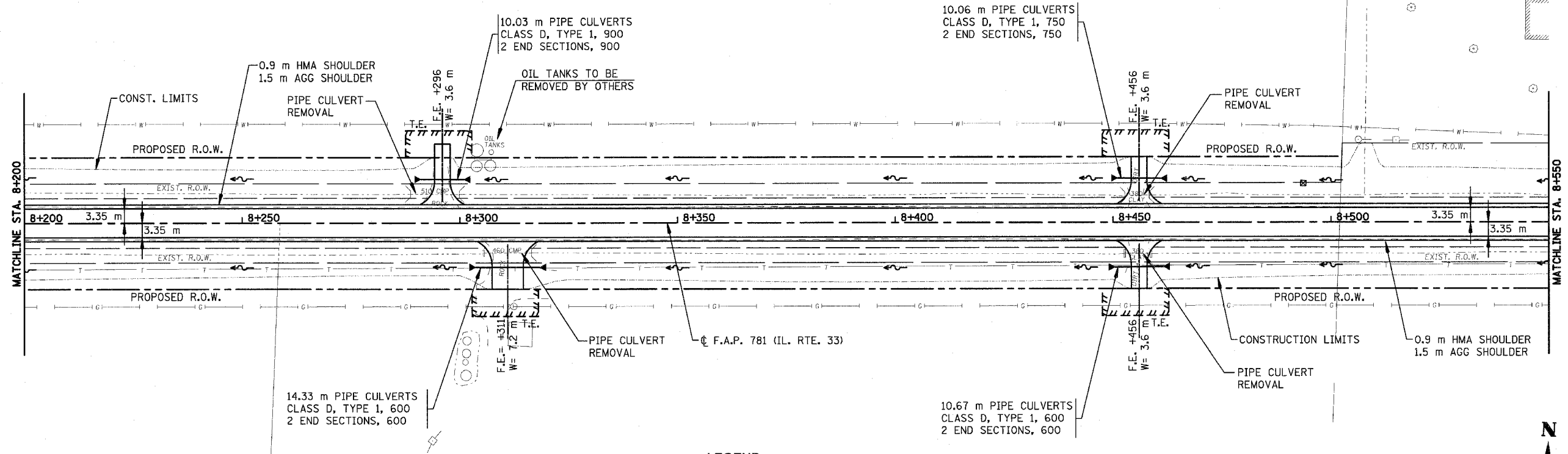


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PLOT DATE = 4/18/2008  
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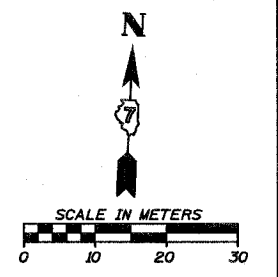
HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	85
STA. 8+200		TO STA. 8+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



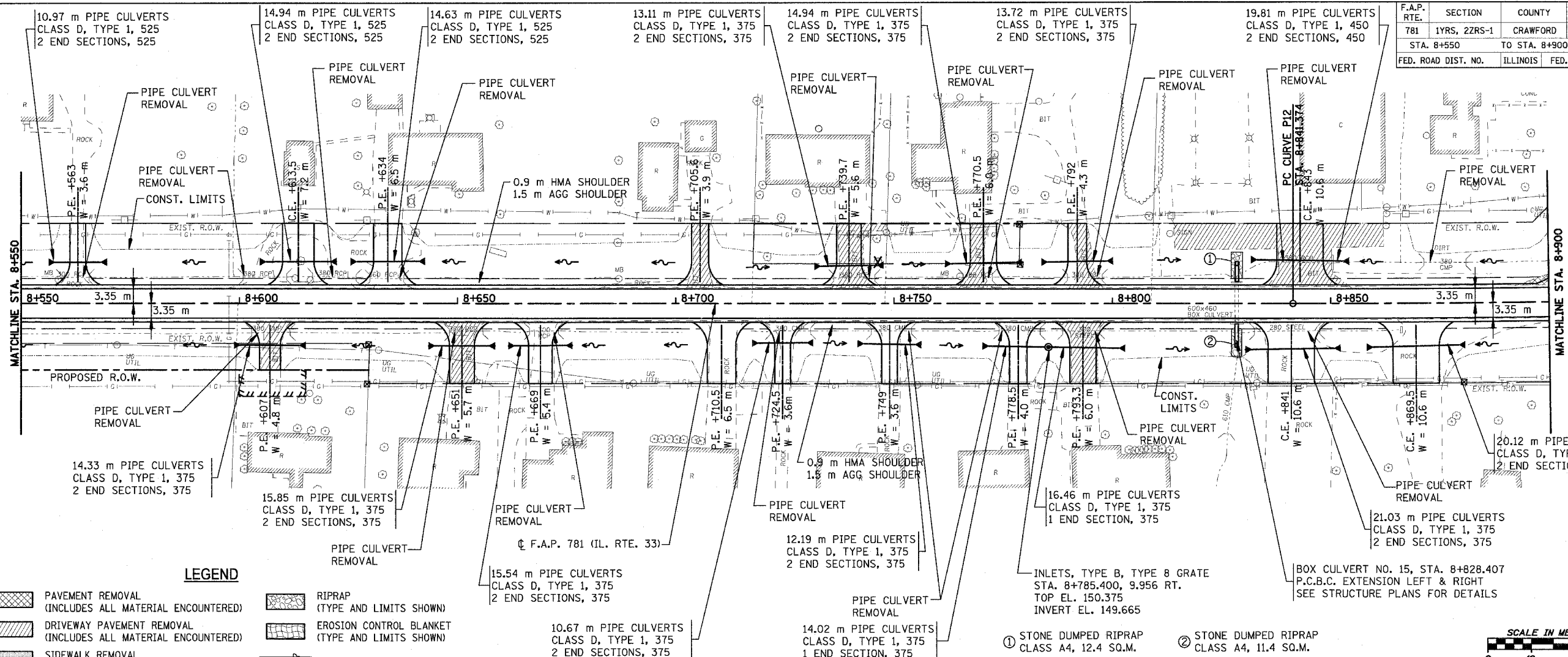
152	TBM NO. 18 STA. 8+305.483, 6.464 m RT ELEV. 149.041 m CHISELED SQUARE, NORTHWEST CORNER OF WEST HEADWALL ENTRANCE TO OIL STORAGE TANKS.																				152									
151	NOMINAL/VARIABLE MILLING (SEE SCHEDULE) TYPICAL HMA RESURFACING																				151									
150	EXISTING $\phi$ PROFILE																				150									
149																					149									
148	SPECIAL DITCH LEFT AND RIGHT AT +0.34%																				148									
147	SPECIAL DITCH LEFT AND RIGHT AT +0.40%																				147									
146																					146									
145																					145									
144																					144									
143																					143									
	149.001 149.043 (PROPOSED)	149.021 149.063	149.038 149.080	149.052 149.094	149.069 149.111	149.104 149.146	149.140 149.182	149.174 149.216	149.209 149.251	149.249 149.291	149.313 149.355	149.378 149.420	149.427 149.469	149.473 149.515	149.516 149.558	149.558 149.600	149.599 149.641	149.637 149.679	149.674 149.716	149.714 149.756	149.755 149.797	149.786 149.828	149.790 149.832	149.793 149.835	149.826 149.868	149.866 149.908	149.900 149.942	149.925 149.967	149.951 149.993	
	8+200	8+225	8+250	8+275	8+300	8+325	8+350	8+375	8+400	8+425	8+450	8+475	8+500	8+525	8+550															

PLOT DATE = 4/18/2008  
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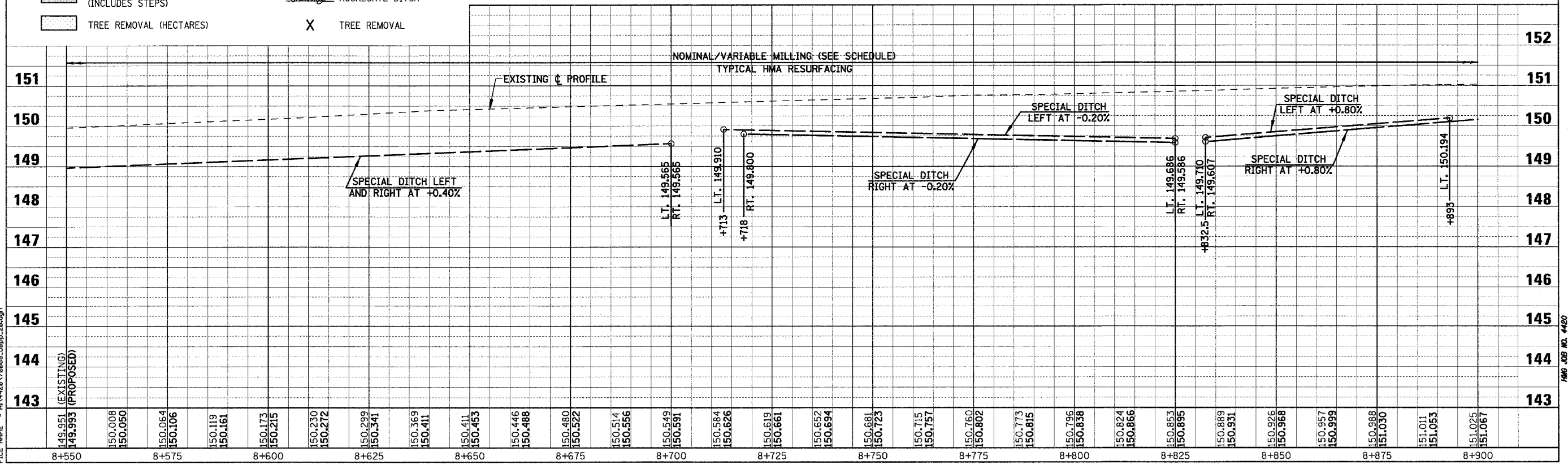
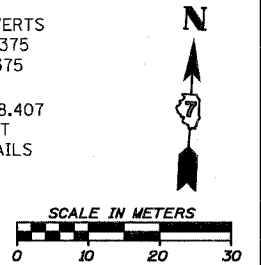
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Angle: 2.7862  
Chain: P\_IL33

HMC JOB NO. 448

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	86
STA. 8+550		TO STA. 8+900		
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

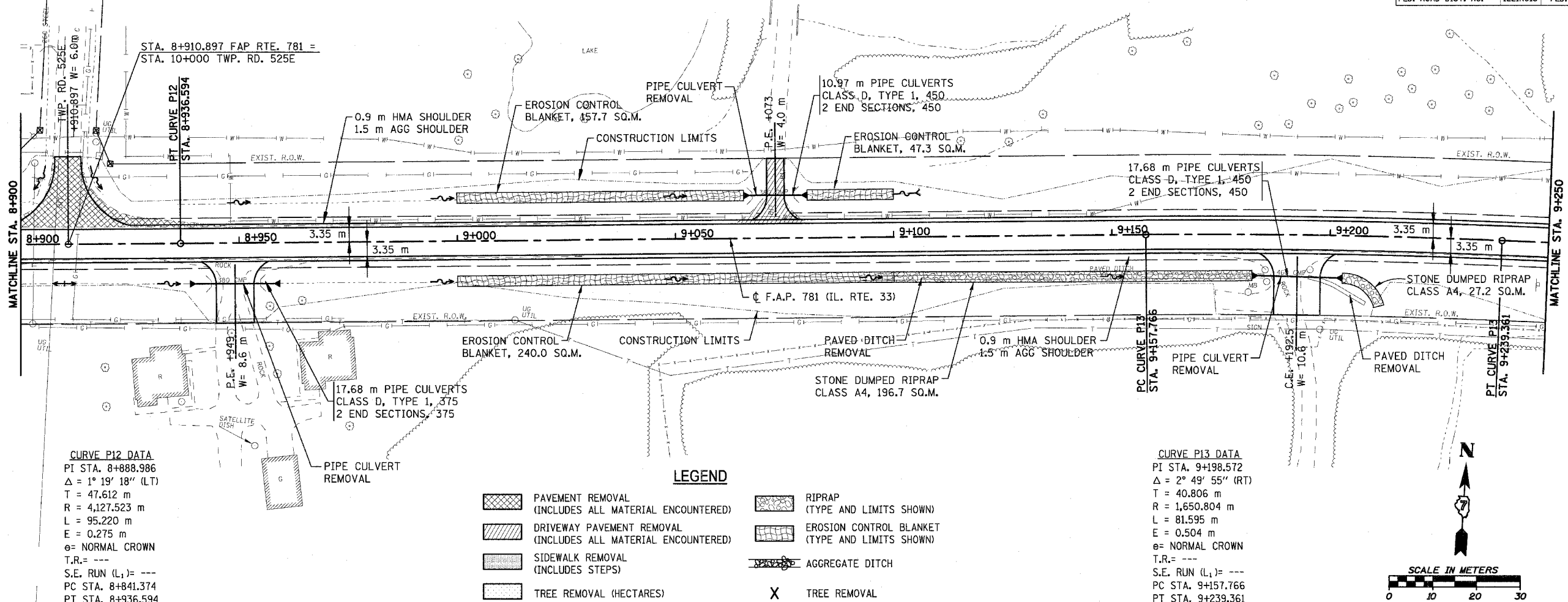


PLOT DATE = 4/18/2008  
 FILE NAME = H:\428\78086\59pp-20.dgn

Sheet: 20  
 Angle: 2.8540  
 Chain: P\_IL33

HMG JOB NO. 4480

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	87
STA. 8+900		TO STA. 9+250		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

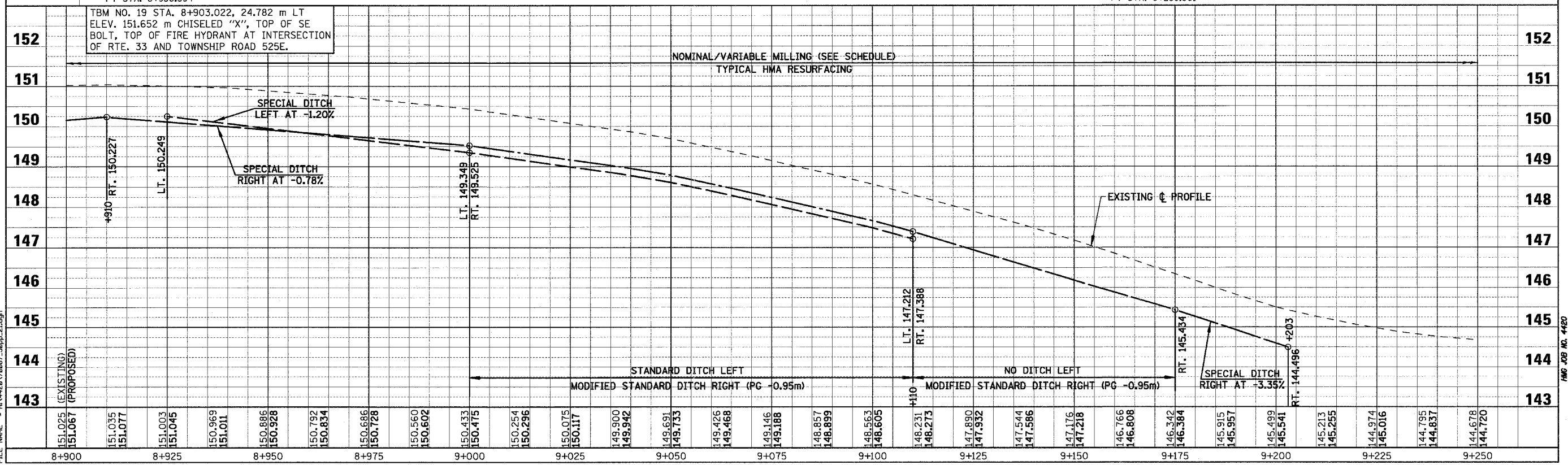
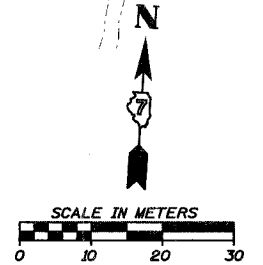


**CURVE P12 DATA**  
 PI STA. 8+888.986  
 $\Delta = 1^\circ 19' 18''$  (LT)  
 T = 47.612 m  
 R = 4,127.523 m  
 L = 95.220 m  
 e = 0.275 m  
 e = NORMAL CROWN  
 T.R. = ---  
 S.E. RUN (L<sub>1</sub>) = ---  
 PC STA. 8+841.374  
 PT STA. 8+936.594

**CURVE P13 DATA**  
 PI STA. 9+198.572  
 $\Delta = 2^\circ 49' 55''$  (RT)  
 T = 40.806 m  
 R = 1,650.804 m  
 L = 81.595 m  
 e = 0.504 m  
 e = NORMAL CROWN  
 T.R. = ---  
 S.E. RUN (L<sub>1</sub>) = ---  
 PC STA. 9+157.766  
 PT STA. 9+239.361

**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

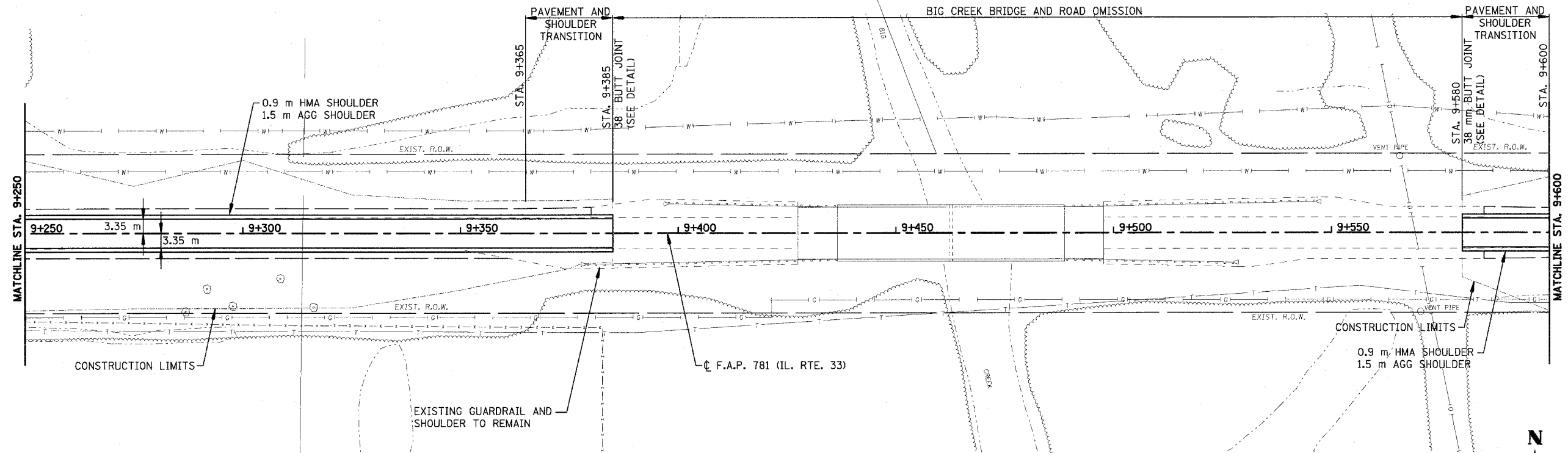


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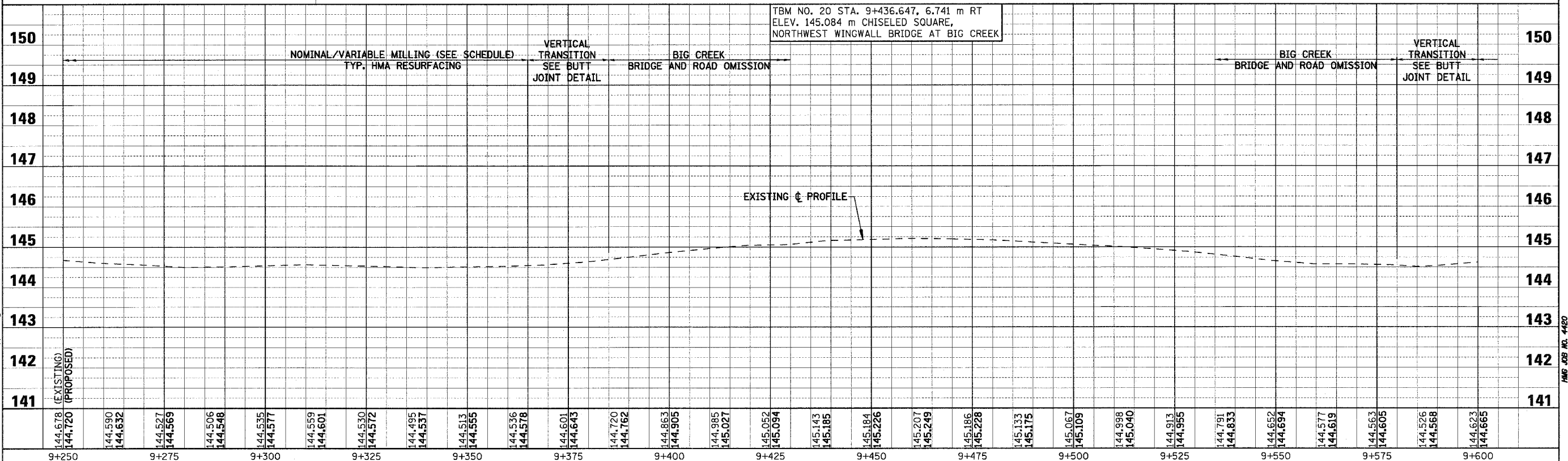
HMC JOB NO. 4480

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	88
STA. 9+250		TO STA. 9+600		
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

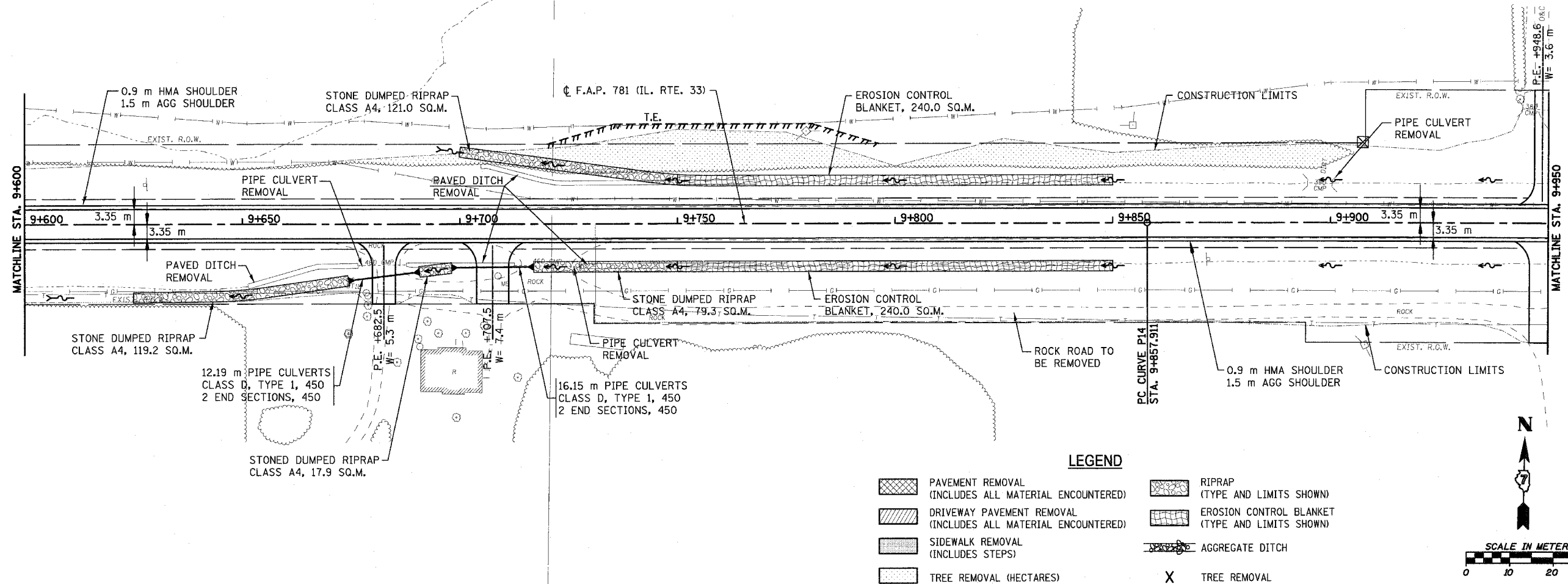


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 Angle: 1.2681  
 Chain: P\_IL33

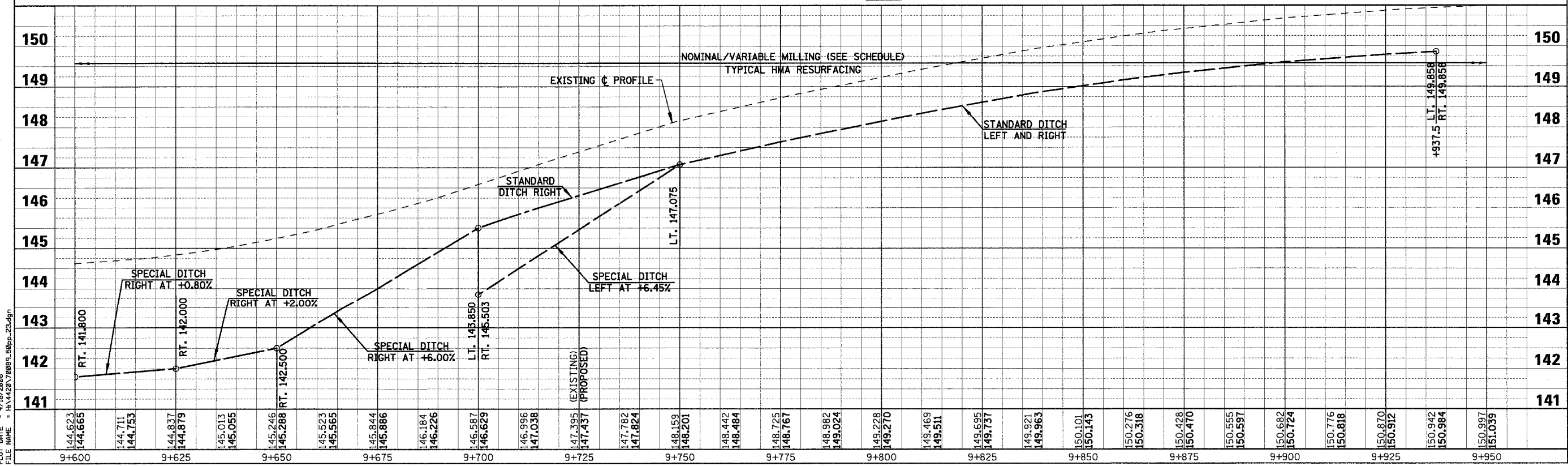


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	89
STA. 9+600		TO STA. 9+950		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**LEGEND**

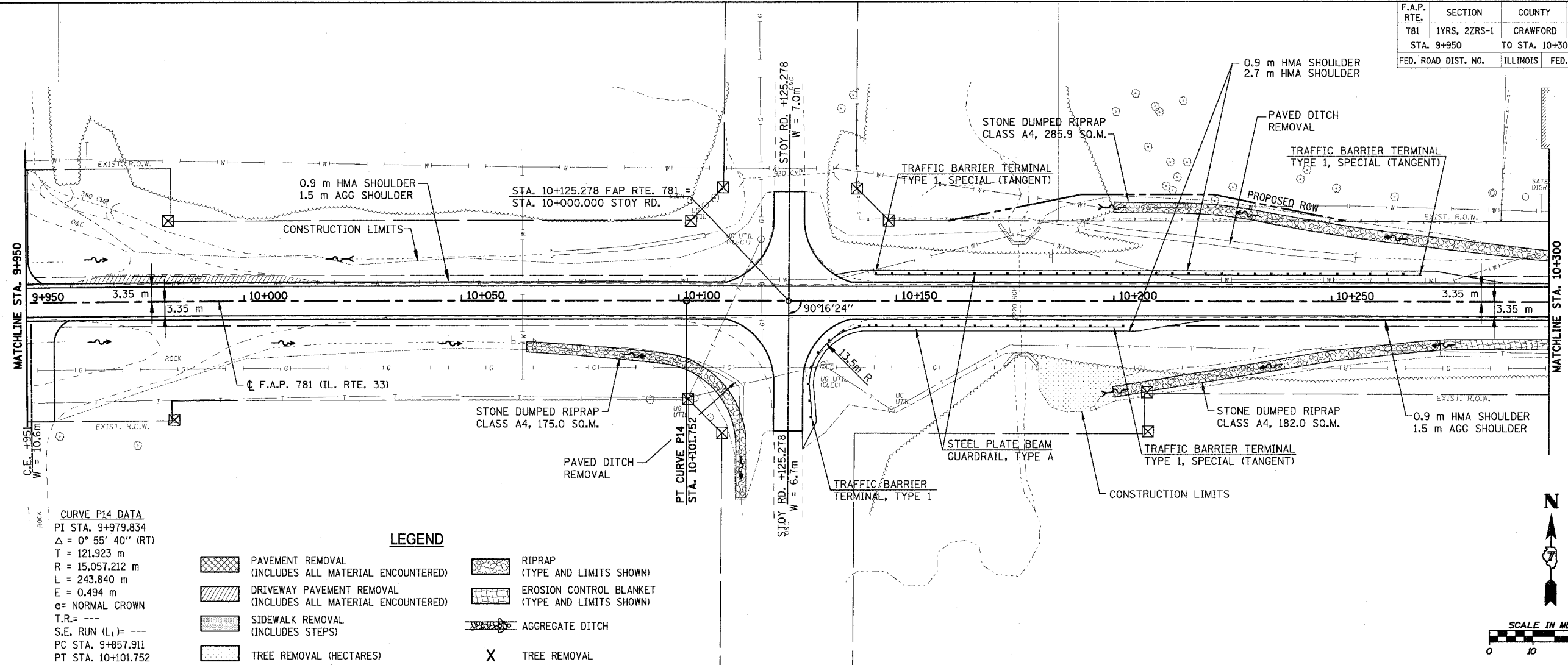
	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)	X	TREE REMOVAL



PLOT DATE = 4/18/2008  
FILE NAME = H:\4420\76895\_50pp-23.dgn

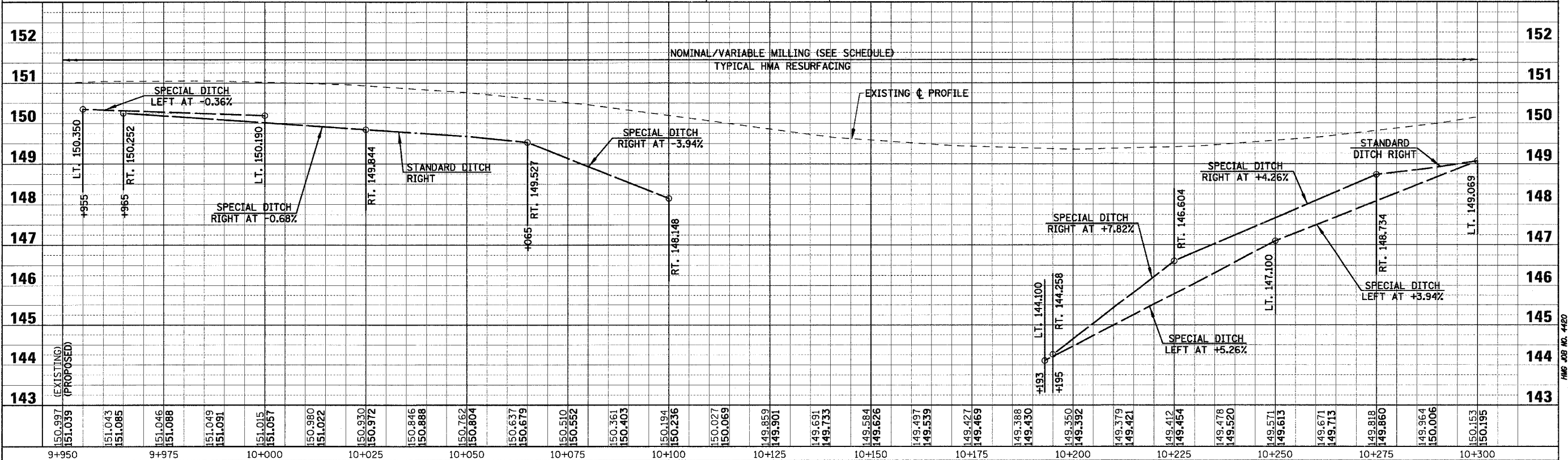
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Angle: 1.2233  
Chain: P\_IL33

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	90
STA. 9+950		TO STA. 10+300		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



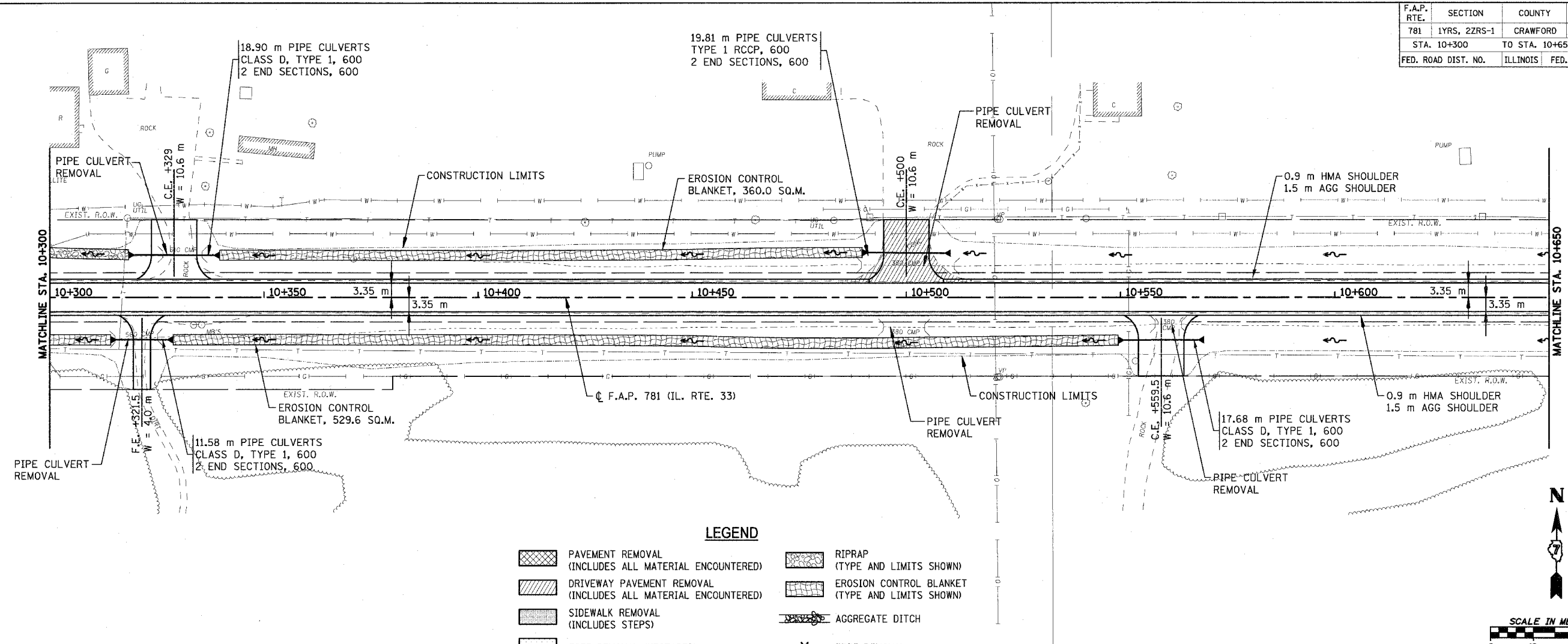
**CURVE P14 DATA**  
 PI STA. 9+979.834  
 $\Delta = 0^\circ 55' 40''$  (RT)  
 T = 121.923 m  
 R = 15,057.212 m  
 L = 243.840 m  
 E = 0.494 m  
 e = NORMAL CROWN  
 T.R. = ---  
 S.E. RUN (L<sub>1</sub>) = ---  
 PC STA. 9+857.911  
 PT STA. 10+101.752

- 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



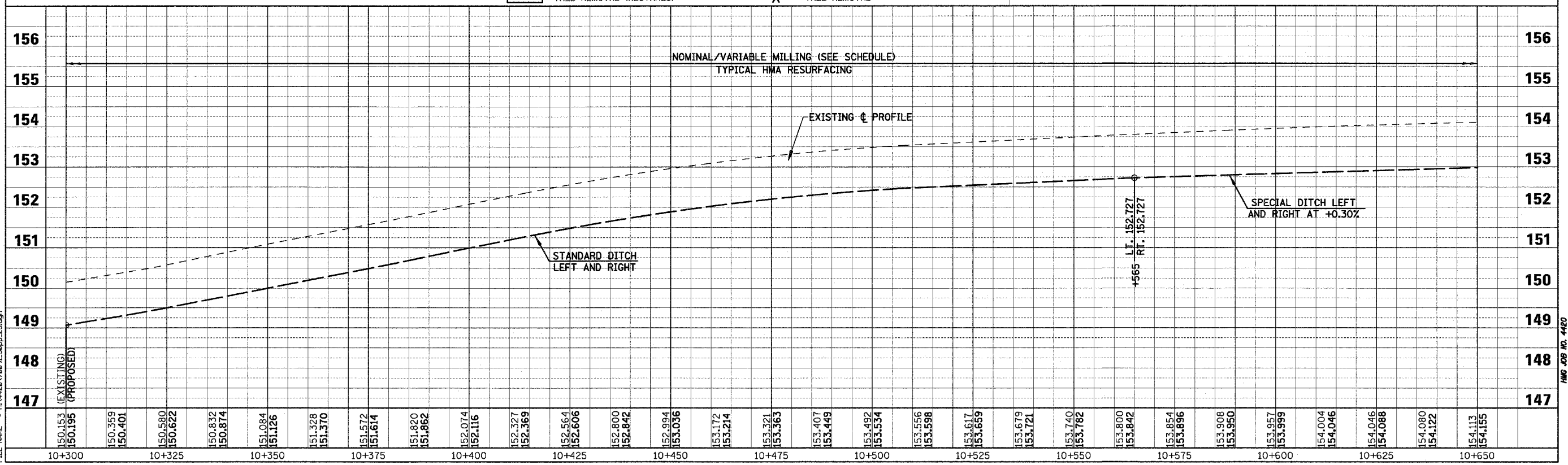
PLOT DATE = 4/18/2008  
 FILE NAME = H:\4428\7009\4\_50pp-24.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	91
STA. 10+300		TO STA. 10+650		
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

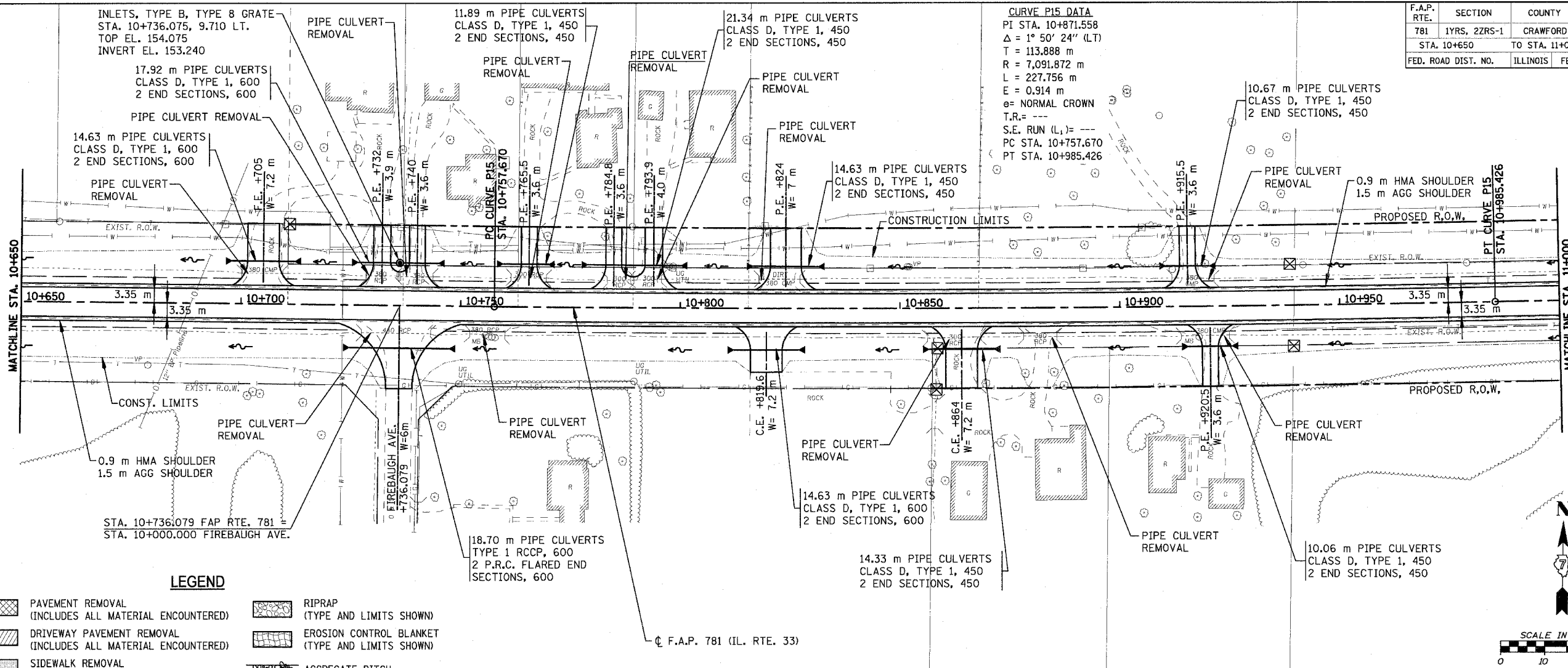


PLOT DATE = 4/18/2008  
 FILE NAME = H:\4420\70091\_5ppr\_25.dgn

Sheet: 25  
 Angle: 0.3651  
 Chain: P\_IL33

HMG JOB NO. 4420

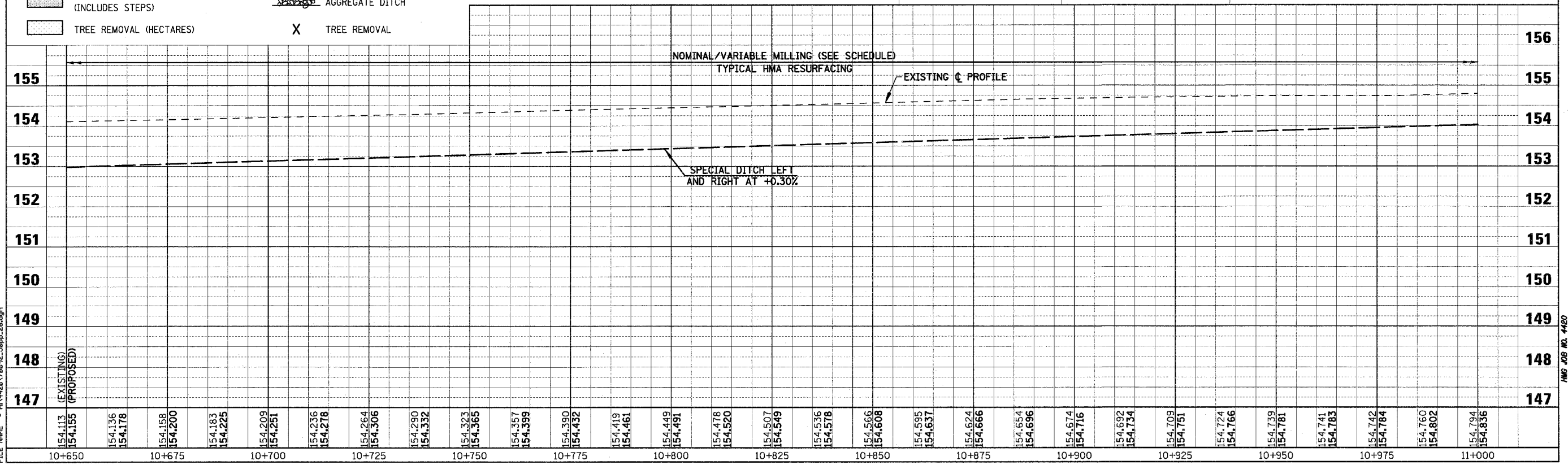
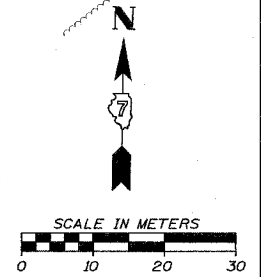
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	92
STA. 10+650		TO STA. 11+000		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**CURVE P15 DATA**  
 PI STA. 10+871.558  
 $\Delta = 1^\circ 50' 24''$  (LT)  
 T = 113.888 m  
 R = 7,091.872 m  
 L = 227.756 m  
 E = 0.914 m  
 e = NORMAL CROWN  
 T.R. = ---  
 S.E. RUN (L<sub>1</sub>) = ---  
 PC STA. 10+757.670  
 PT STA. 10+985.426

**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

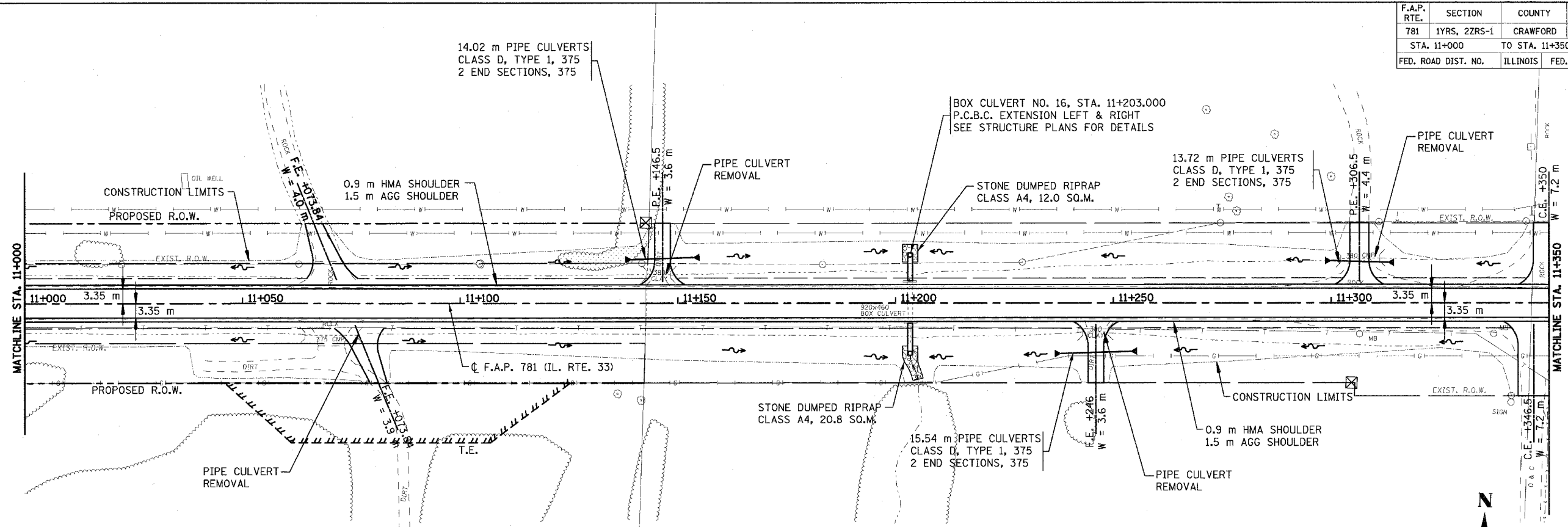


PLOT DATE = 4/18/2008  
 FILE NAME = H:\428\780912\_50pp-28.dgn

Sheet: 26  
 Angle: 1.0333  
 Chain: P\_IL33

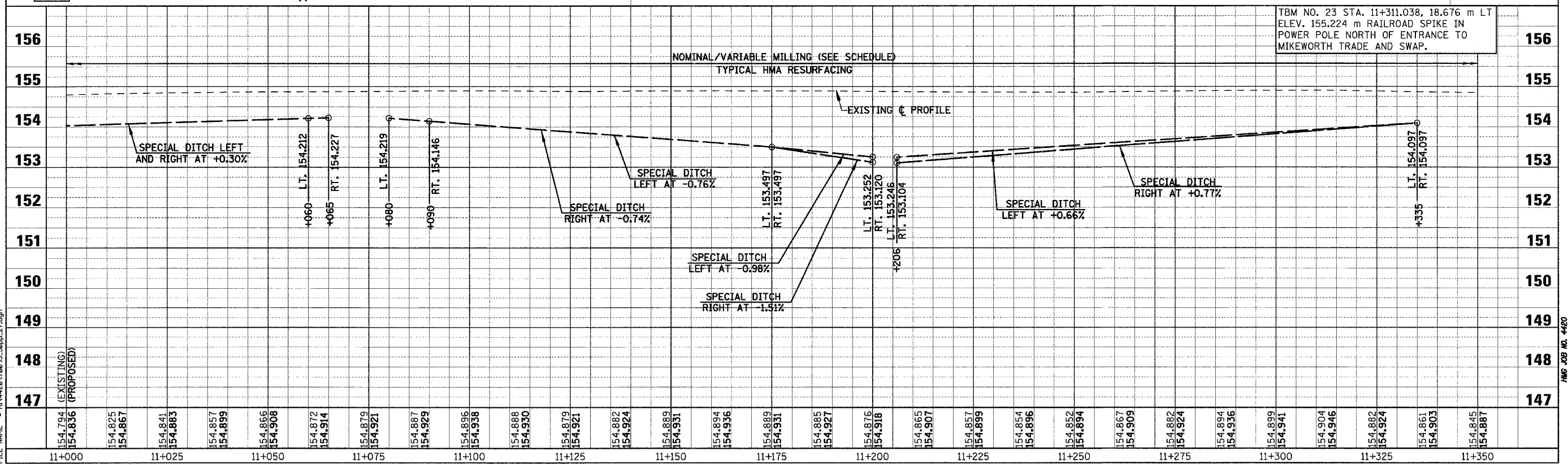
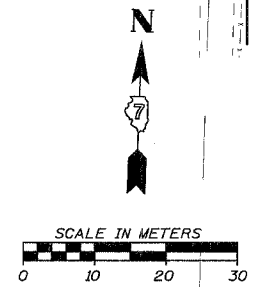
HMG JOB NO. 4480

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	93
STA. 11+000		TO STA. 11+350		
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)		

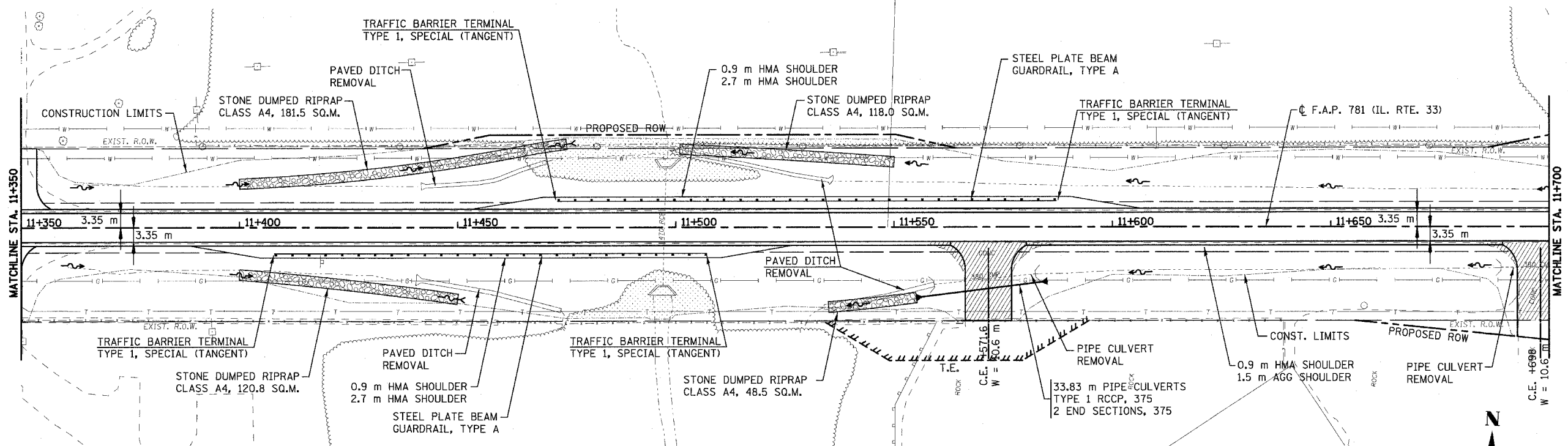


PLOT DATE = 4/18/2008  
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 Angle: 2.1840  
 Chain: P\_1133

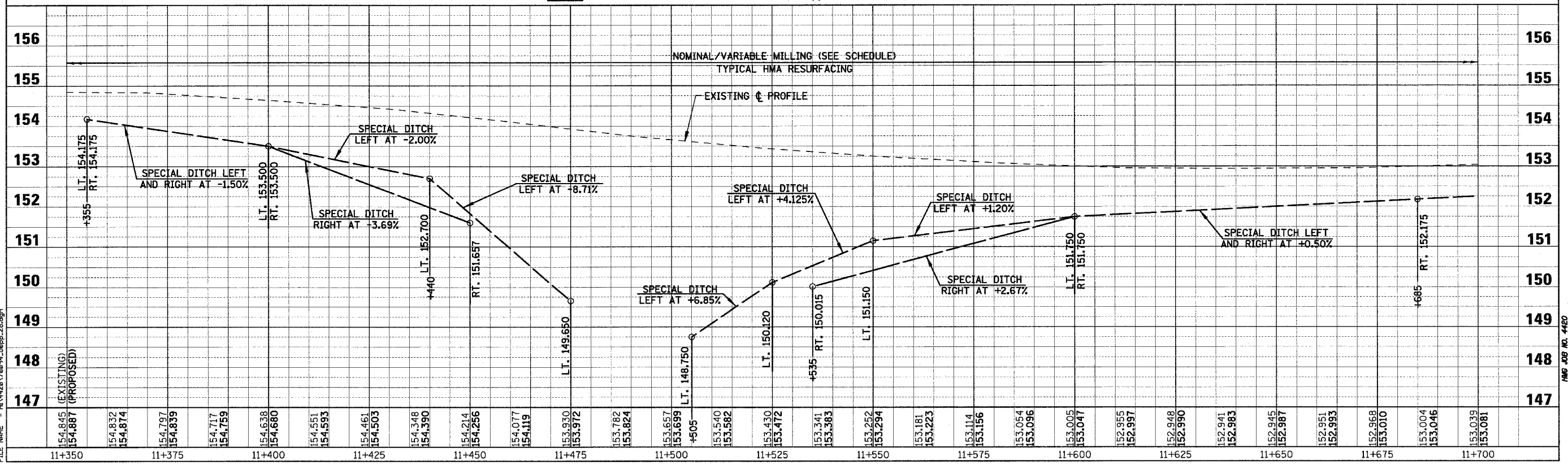
HMG JOB NO. 4420

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	94
STA. 11+350		TO STA. 11+700		
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



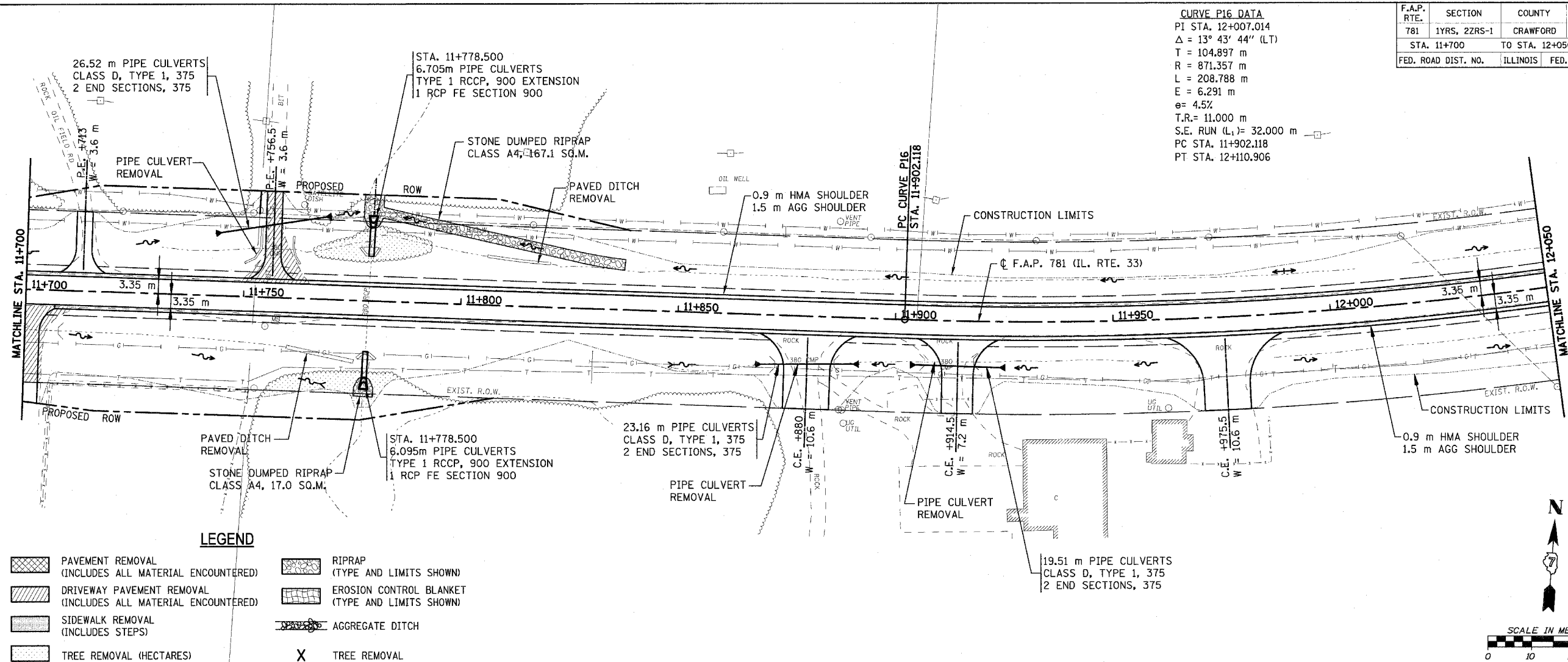
PLOT DATE = 4/18/2008  
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Sheet: 28  
 Angle: 2.1840  
 Chain: P\_IL33

HMG JOB NO. 4480

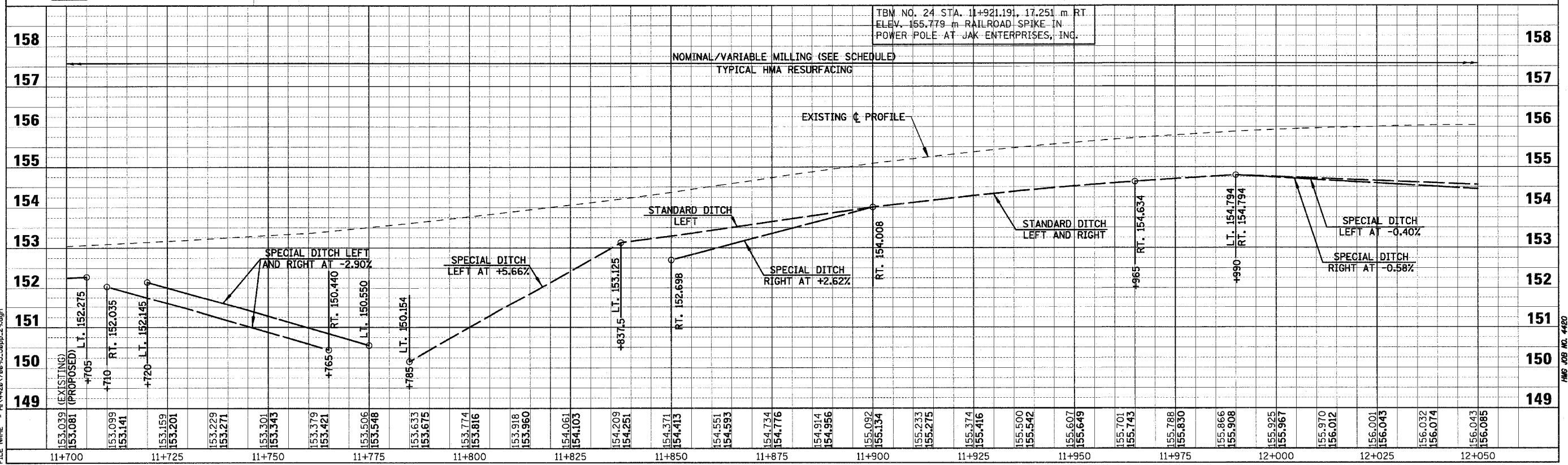
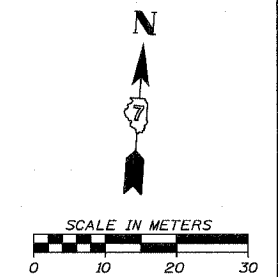
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	95
STA. 11+700		TO STA. 12+050		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**CURVE P16 DATA**  
 PI STA. 12+007.014  
 $\Delta = 13^\circ 43' 44''$  (LT)  
 T = 104.897 m  
 R = 871.357 m  
 L = 208.788 m  
 E = 6.291 m  
 $e = 4.5\%$   
 T.R. = 11.000 m  
 S.E. RUN (L) = 32.000 m  
 PC STA. 11+902.118  
 PT STA. 12+110.906



**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

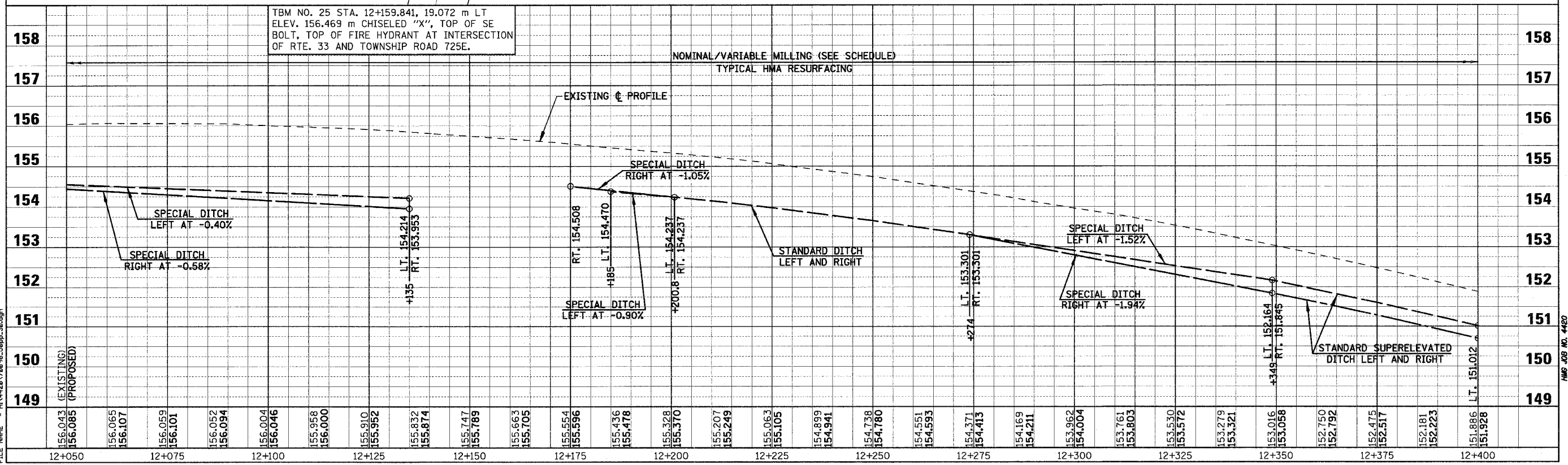
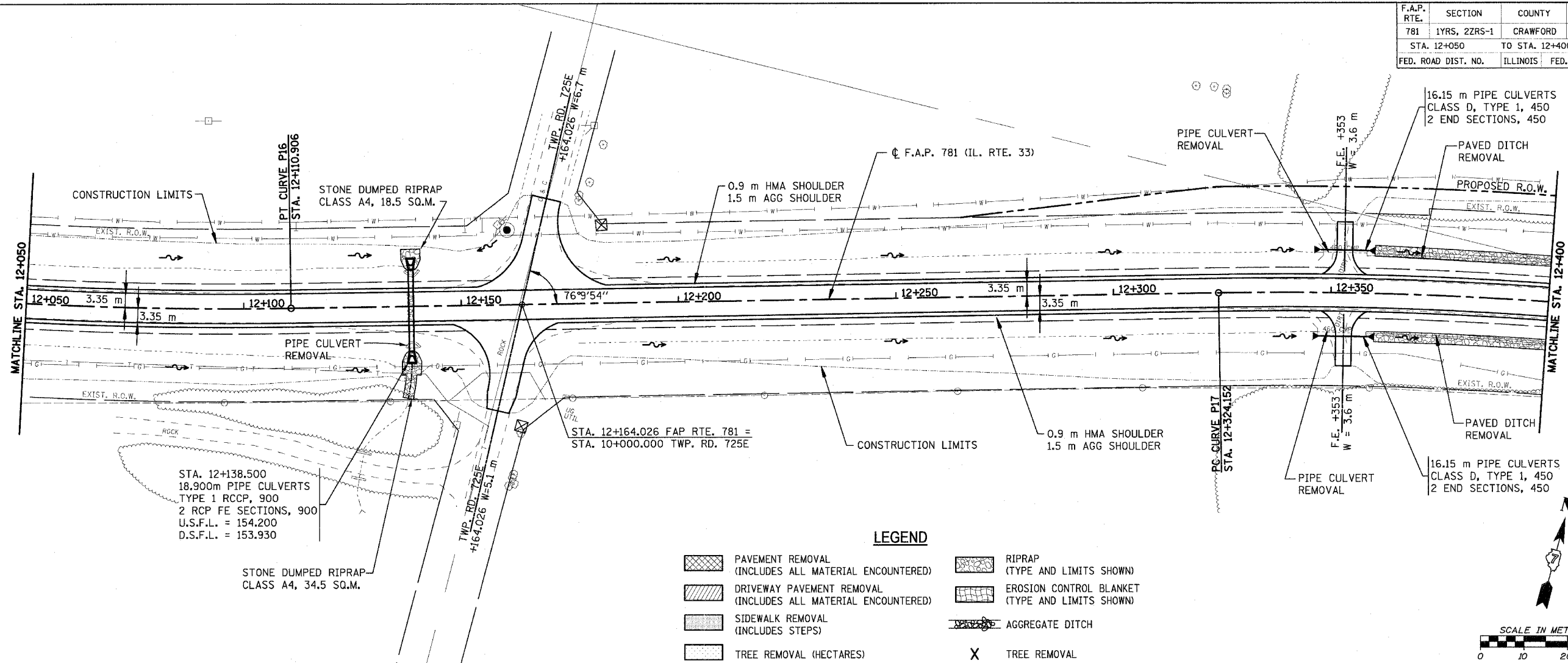


PLOT DATE = 4/18/2008  
 FILE NAME = H:\4428\76095\_50pp\_23.dgn

Sheet: 29  
 Angle: 4.2397  
 Chain: P\_IL33

HMG JOB NO. 4480

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	96
STA. 12+050		TO STA. 12+400		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

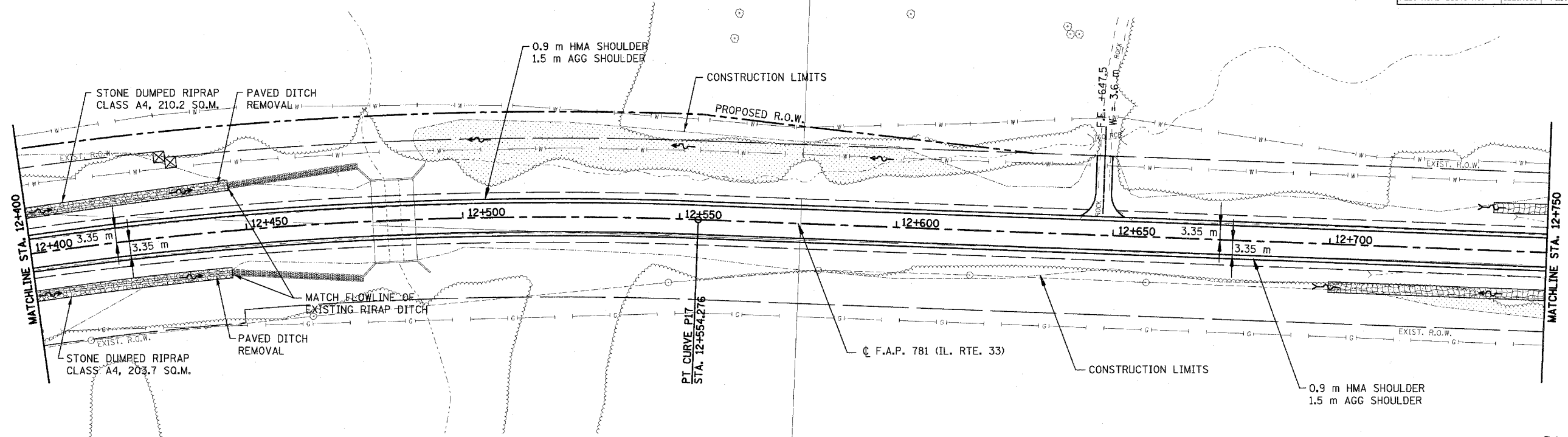


TBM NO. 25 STA. 12+159.841, 19.072 m LT  
 ELEV. 156.469 m CHISELED "X", TOP OF SE  
 BOLT, TOP OF FIRE HYDRANT AT INTERSECTION  
 OF RTE. 33 AND TOWNSHIP ROAD 725E.

PLOT DATE = 4/18/2008  
 FILE NAME = H:\4128\78096\_50pp-30.dgn



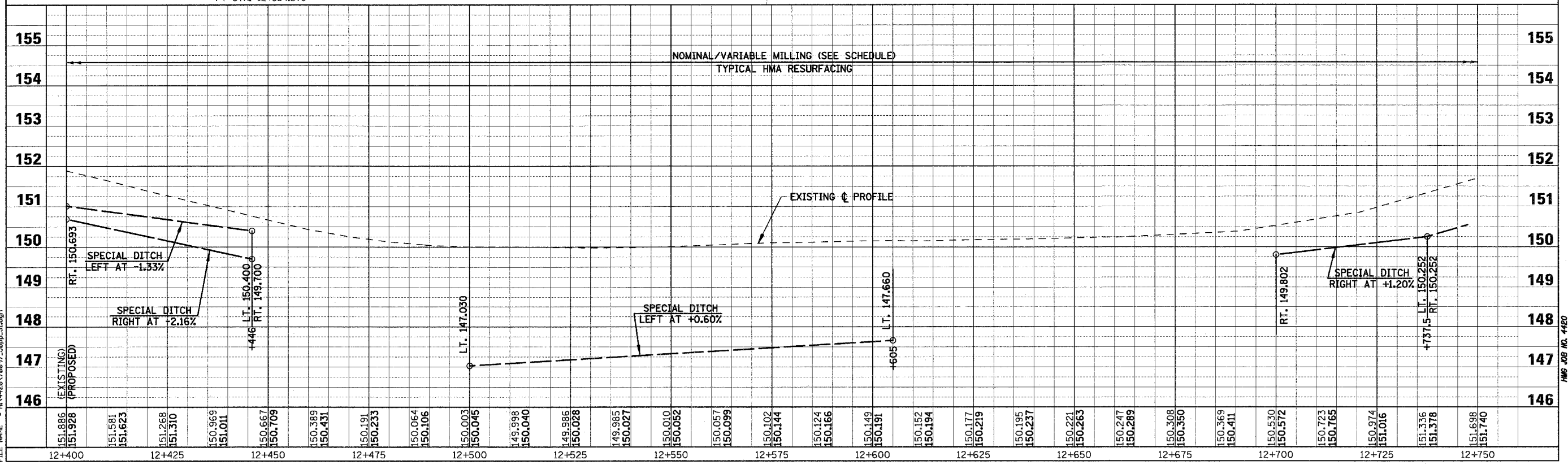
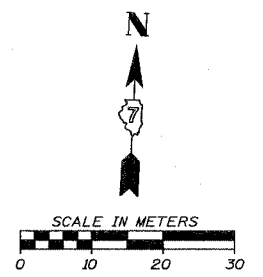
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	97
STA. 12+400		TO STA. 12+750		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**CURVE PIT DATA**  
 PI STA. 12+439.894  
 $\Delta = 15^\circ 12' 19''$  (RT)  
 T = 115.742 m  
 R = 867.140 m  
 L = 230.124 m  
 E = 7.690 m  
 e = 4.6%  
 T.R. = 11.000 m  
 S.E. RUN (L<sub>1</sub>) = 33.000 m  
 PC STA. 12+324.152  
 PT STA. 12+554.276

**LEGEND**

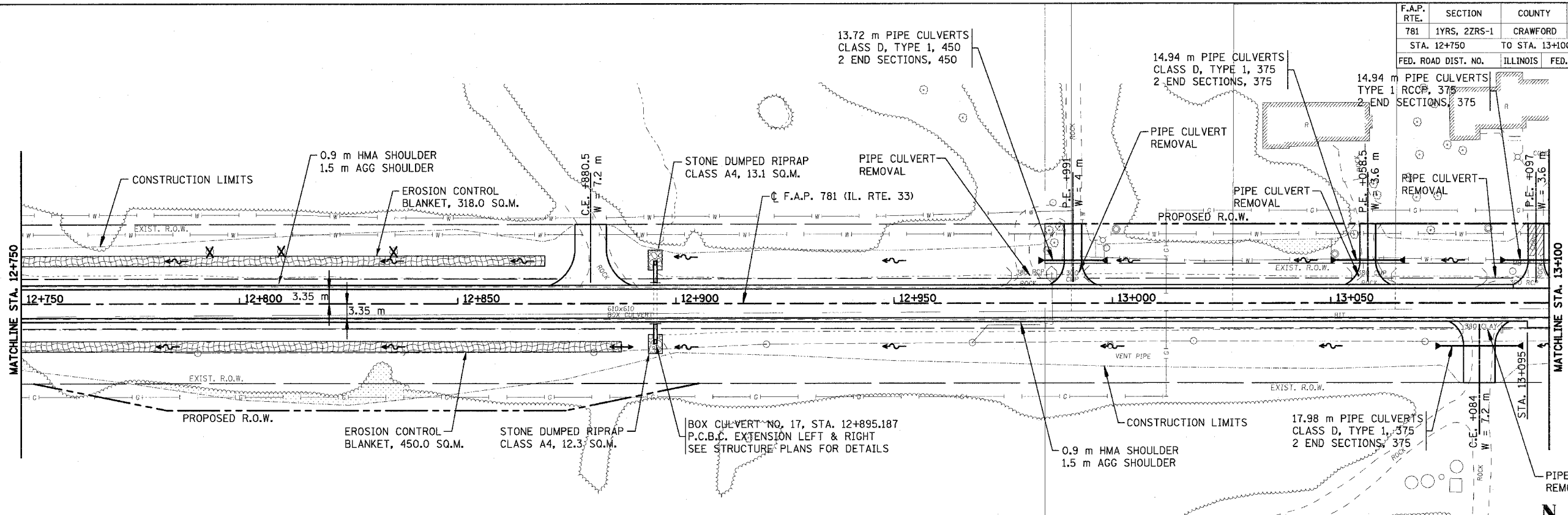
	PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		RIPRAP (TYPE AND LIMITS SHOWN)
	DRIVEWAY PAVEMENT REMOVAL (INCLUDES ALL MATERIAL ENCOUNTERED)		EROSION CONTROL BLANKET (TYPE AND LIMITS SHOWN)
	SIDEWALK REMOVAL (INCLUDES STEPS)		AGGREGATE DITCH
	TREE REMOVAL (HECTARES)		TREE REMOVAL



PLOT DATE = 4/18/2008  
 FILE NAME = H:\428\7897\_50pp-31.dgn

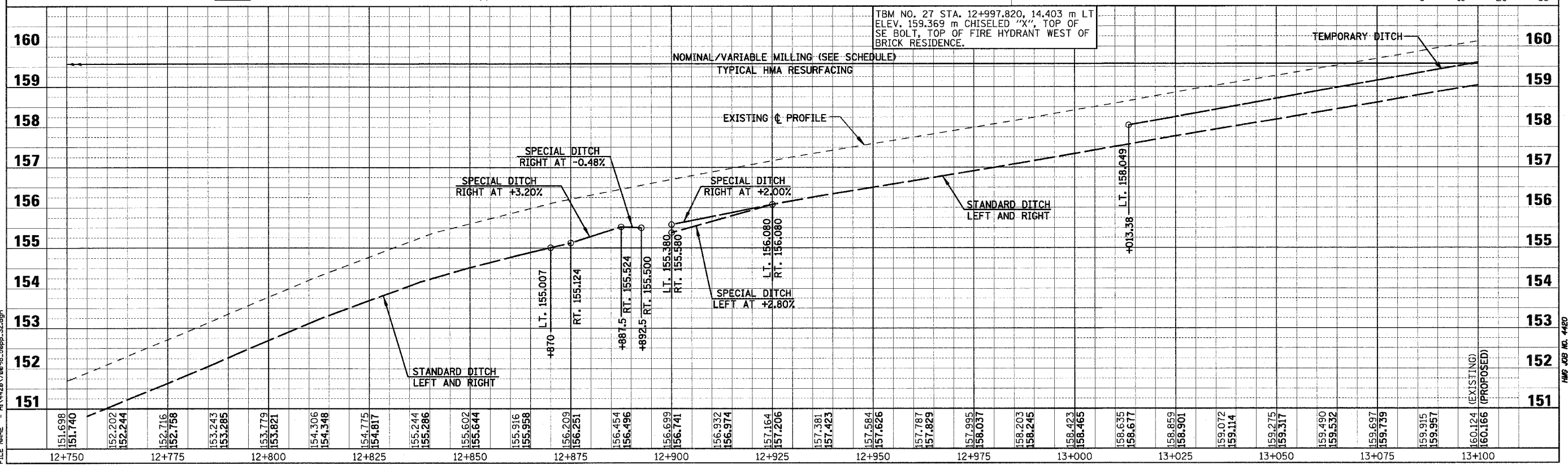
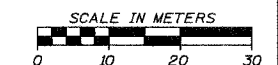
Sheet: 31  
 Angle: 2.9555  
 Chain: P\_IL33

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	98
STA. 12+750		TO STA. 13+100		
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



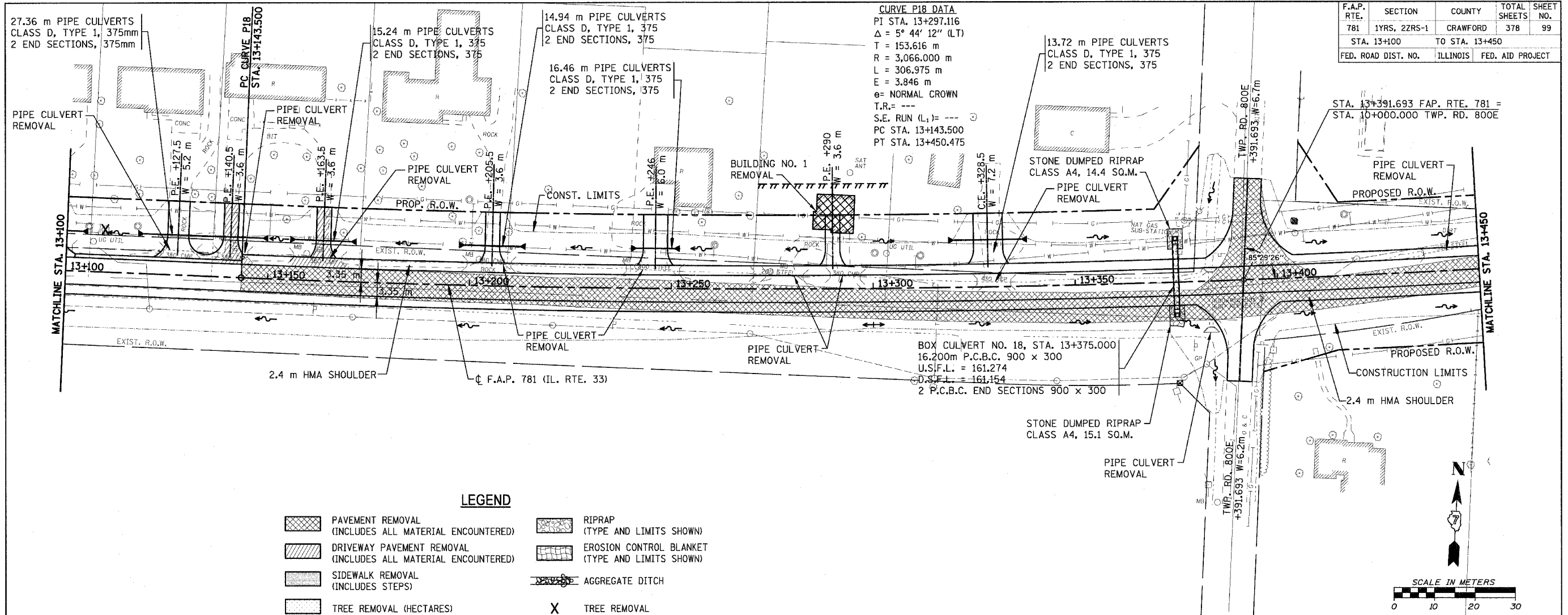
TBM NO. 27 STA. 12+997.820, 14.403 m LT ELEV. 159.369 m CHISELED "X", TOP OF SE BOLT, TOP OF FIRE HYDRANT WEST OF BRICK RESIDENCE.

Plot Date = 4/18/2008  
File Name = H:\428\70099\_59ppa\_32.dgn

Sheet: 32  
Angle: 0.7149  
Chain: P\_IL33

HMG JOB NO. 4420

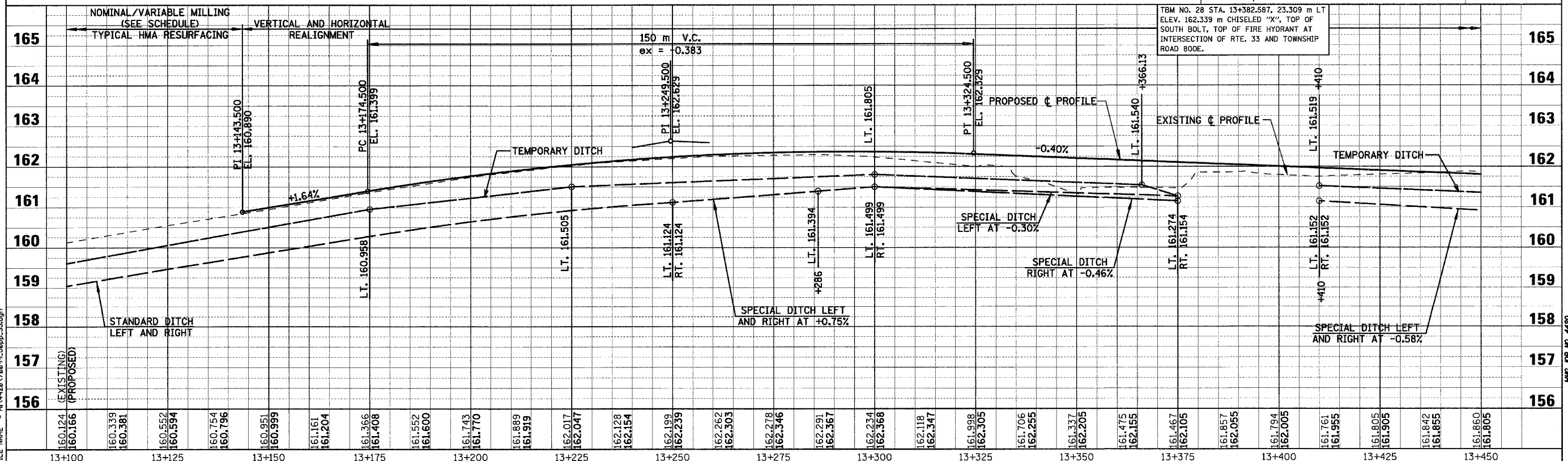
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	99
STA. 13+100		TO STA. 13+450		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



**CURVE P18 DATA**  
 PI STA. 13+297.116  
 $\Delta = 5^\circ 44' 12''$  (LT)  
 T = 153.616 m  
 R = 3,066.000 m  
 L = 306.975 m  
 E = 3.846 m  
 e = NORMAL CROWN  
 T.R. = ---  
 S.E. RUN (L<sub>1</sub>) = ---  
 PC STA. 13+143.500  
 PT STA. 13+450.475

**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

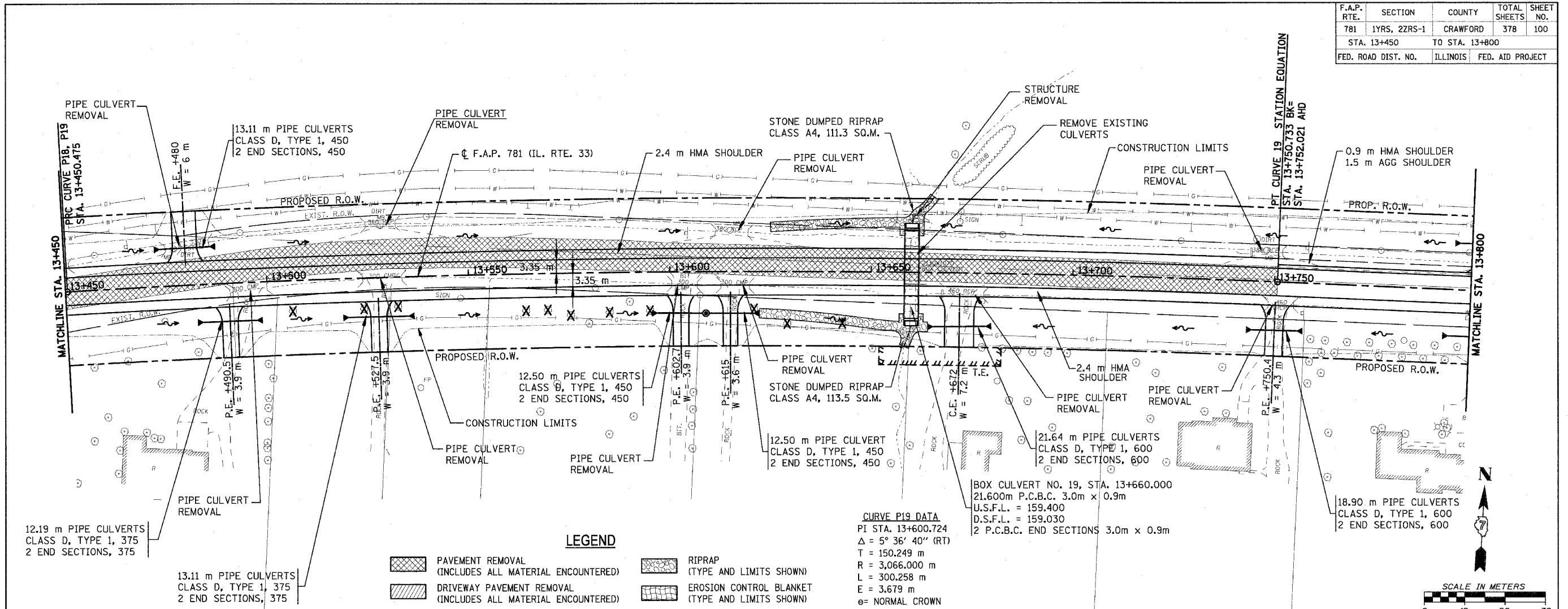


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 Chain: P\_IL33  
 4/18/2008

HMG JOB NO. 449

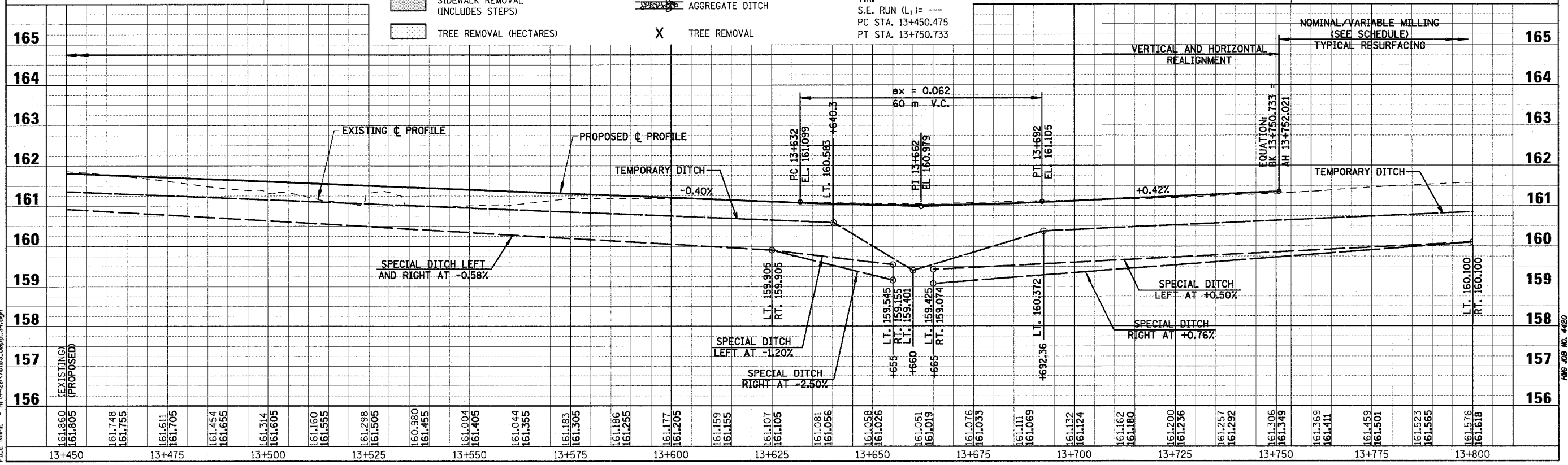
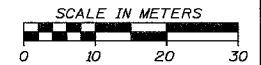
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	100
STA. 13+450		TO STA. 13+800		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**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 P19 DATA**  
 PI STA. 13+600.724  
 $\Delta = 5^\circ 36' 40''$  (RT)  
 T = 150.249 m  
 R = 3,066.000 m  
 L = 300.258 m  
 E = 3.679 m  
 e = NORMAL CROWN  
 T.R. = ---  
 S.E. RUN (L) = ---  
 PC STA. 13+450.475  
 PT STA. 13+750.733



PLOT DATE = 4/18/2008  
 FILE NAME = H:\4428\78100L\_50pp\_34.dgn

Sheet: 50pp\_34.dgn  
 Angle: 3.2509  
 Chain: P\_IL33  
 4/18/2008

HMG JOB NO. 4420