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January 19, 2006 9:38:08 a.m.

~~8-4-06 Letting, Item 057~~

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	1
COVER SHEET				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

INDEX TO SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. ROUTE 5348 (ANNIE GLIDDEN ROAD)

SECTION NO. 05-00160-00-WR
PROJECT NO. HPP-2295(001)
CITY OF DEKALB
JOB NO. C-93-089-06

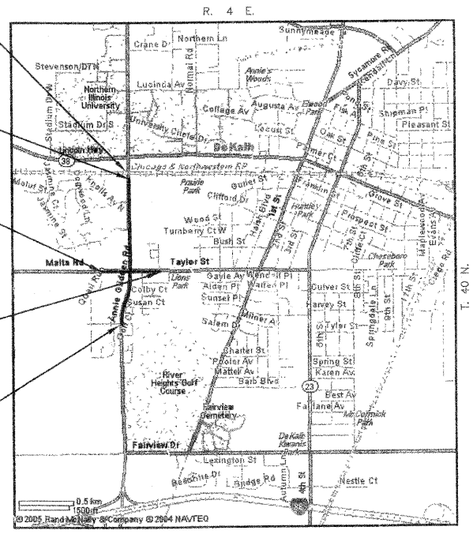
UNION PACIFIC RR OVER ANNIE GLIDDEN ROAD CLEANING AND PAINTING STEEL BRIDGE

ANNIE GLIDDEN ROAD IMPROVEMENT BEGINS STATION 81+15

S. MALTA ROAD IMPROVEMENT BEGINS STATION 191+41

TAYLOR STREET IMPROVEMENT ENDS STATION 208+59

ANNIE GLIDDEN ROAD IMPROVEMENT ENDS STATION 127+05



LOCATION OF SECTION INDICATED THUS: —

DESCRIPTION OF PROJECT

THIS IMPROVEMENT CONSISTS OF FULL–DEPTH BITUMINOUS PAVEMENT RECONSTRUCTION, FULL DEPTH BITUMINOUS WIDENING AND RESURFACING, BITUMINOUS BICYCLE PATH, PRECAST BOX CULVERTS, SIDEWALK, CURB AND GUTTER, STORM SEWER, WATER MAIN, TRAFFIC SIGNAL MODERNIZATION AND INTERCONNECT, LIGHTING, PAVEMENT MARKING, LANDSCAPING, CLEANING AND PAINTING STEEL BRIDGE AND OTHER APPURTENANT WORK NECESSARY TO COMPLETE THE PROJECT SHOWN HEREIN AND AS DESCRIBED IN THE SPECIFICATIONS.

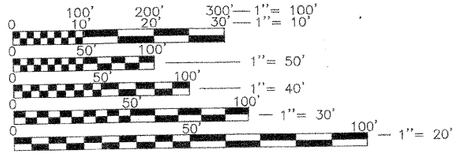
APPROVED Jan. 24 2006
Joel C Maurer
CITY OF DEKALB

PASSED April 10 2006
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

APPROVED FOR BIDDING April 10 2006
DISTRICT ENGINEER

WARNING
CALL J.U.L.I.E. TOLL FREE 1-800-892-0123
CALL BEFORE YOU DIG

STATE STANDARDS
SEE SHEET 2 FOR STATE STANDARDS



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.

CONTRACT NO. 87330

TRAFFIC DATA:

	2025 ADT	POSTED / DESIGN SPEED
ANNIE GLIDDEN ROAD	24,000	35–45 / 45
S. MALTA ROAD/TAYLOR STREET	12,000	30 / 30

DESIGN DESIGNATION:
FAU 5348 ANNIE GLIDDEN ROAD
2570(25) URBAN MINOR ARTERIAL 2.74(FD–20)
FAU 5342 S. MALTA ROAD
1005 (25) LOCAL ROAD 0.96 (FD–20)
FAU 5342 TAYLOR STREET
1175 (25) URBAN MINOR ARTERIAL 0.96 (FD–20)

LOCATION MAP
SCALE: 1" = 2000'

NET LENGTH OF ANNIE GLIDDEN ROAD = 4,590 LIN. FT. (0.869 MILES)
NET LENGTH OF S. MALTA ROAD/TAYLOR STREET = 1,718 LIN. FT. (0.325 MILES)
TOTAL LENGTH OF IMPROVEMENT = 6,308 LIN. FT. (1.194 MILES)

DATE: 1/19/2006
BY: James R Lenzini
LICENSE EXPIRES: 11/30/2007

LICENSE NO.
JAMES R. LENZINI
062-043174
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
SEAL:

HLR
Hampton Lenzini and Renwick, Inc.
Civil Engineers
Land Surveyors
380 Shepard Drive
Elgin, Illinois 60123–7010
847.697.6700
Account Number: 03–03–0167

CONSULTANT – HAMPTON, LENZINI AND RENWICK, INC. – (847) 697–6700
IDOT FEDERAL AID PROJECT ENGINEER: LAURA CONNOLLY – (815) 284–5388

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED MARCH 1, 2005; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE CITY IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE CITY WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL EXISTING AND PROPOSED UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE DAMAGE INCURRED. THIS WORK SHALL BE ARRANGED BY THE UTILITY COMPANY AND SHALL BE AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL NOTIFY THE CITY OF DEKALB PUBLIC WORKS DEPARTMENT ONE WEEK IN ADVANCE OF ALL WATER MAIN SHUT DOWNS. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE BACK OF CURB, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN AT POINTS OF CURVE, ETC., ARE TOP OF CURB, UNLESS OTHERWISE NOTED.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE--TO THE BACK OF CURB; B) FOR ALL OTHER STRUCTURES--TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON U.S.G.S. DATUM.

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, BACK OF CURB, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.

SEWERS AND WATER MAINS

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PLANS.

THE COST OF INTERCONNECTIONS BETWEEN THE PROPOSED AND EXISTING SEWER SYSTEMS AND PROPOSED AND EXISTING WATER MAIN SYSTEMS SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES OF THE ITEMS BEING CONNECTED.

ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE CITY. ANY ITEMS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR PICKUP BY THE CITY, OR DELIVERY TO THE CITY MAINTENANCE YARD SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR ANY MANHOLE, CATCH BASIN, INLET OR VALVE VAULT, SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: FOR STORM SEWER STRUCTURES--"STORM". FOR SANITARY SEWER STRUCTURES--"SANITARY". FOR WATER SYSTEM STRUCTURES--"WATER". ANY ADDITIONAL COST FOR THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE FRAME AND CLOSED LID PROVIDED.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

ALL STORM SEWERS SHALL BE RCCP CLASS IV WITH RUBBER GASKET JOINTS, UNLESS NOTED OTHERWISE ON THE PLANS.

WATER MAIN SHALL HAVE A MINIMUM COVER OF SIX (6) FEET.

SOIL BORINGS PERFORMED FOR THIS CONTRACT INDICATE THAT RELATIVELY SOFT COHESIVE SOILS WITH STRENGTH VALUES LESS THAN 1.25 TSF MAY BE ENCOUNTERED DURING EXCAVATION FOR SEWERS AND WATER MAINS. THESE MATERIALS MAY BE UNSTABLE DURING TRENCHING AND MAY REQUIRE 12 TO 18 INCHES OF ADDITIONAL GRANULAR BEDDING FOR SATISFACTORY PIPE INSTALLATION. IN ADDITION, TIGHT SHEETING/BRACING SYSTEMS AND DEWATERING MAY BE REQUIRED.

BACKFILL

STORM SEWER, WATER MAIN, AND SANITARY SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY, OR AS DIRECTED BY THE ENGINEER.

ALL TRENCH BACKFILL QUANTITIES FOR STORM AND SANITARY SEWER AND WATER MAIN HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE.

TRENCH BACKFILL SHALL BE GRADATION CA7.

SIGNS

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR, ENGINEER AND CITY MAINTENANCE PERSONNEL SHALL INVENTORY THE LOCATION, SIZE, TYPE AND CONDITION OF ALL EXISTING SIGNS. ANY SIGN DAMAGED DURING CONSTRUCTION OR STORAGE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

MISCELLANEOUS

THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS , EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT, UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE ITEM "AGGREGATE FOR TEMPORARY ACCESS".

SAWING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

AT ALL BUTT JOINT LOCATIONS, THE EXISTING SURFACE SHALL BE CUT TO A MINIMUM THICKNESS OF 1-1/2 INCHES AS INDICATED ON THE PLANS.

THE THICKNESSES OF BITUMINOUS MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE BITUMINOUS MIXTURES ARE TO BE PLACED.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE AND TOP OF CURB, P.C.C. SIDEWALK, P.C.C. DRIVEWAY PAVEMENT, AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY SHEETING AND/OR SHORING USED FOR THIS IMPROVEMENT OTHER THAN THAT ITEMIZED FOR CONSTRUCTION OF THE BOX CULVERTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

EXISTING PAVEMENT THICKNESSES SHOWN ON THE PLANS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. ANY ADDITIONAL COSTS REQUIRED BY THE CONTRACTOR DUE TO THICKNESSES OTHER THAN THOSE SHOWN ON THE PLANS WILL BE INCLUDED IN THE COST OF THE CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

ALL TYPE I AND II BARRICADES SHALL BE WEIGHTED DOWN WITH TWO SANDBAGS EACH. (ONE WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL). ALL TYPE III BARRICADES SHALL REQUIRE FOUR SANDBAGS EACH.

CURB RAMPS AND DETECTABLE WARNINGS SHALL BE INSTALLED AT ALL INTERSECTING STREETS PER CURRENT IDOT AND CITY STANDARDS AT LOCATIONS WHERE SIDEWALK AND BICYCLE PATH ARE SHOWN ON PLAN.

THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS PRIOR TO THE REMOVAL OF ANY UNSTABLE MATERIALS.

ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE SURFACED SHALL BE CLEARED, LAYERED WITH TOPSOIL, AND SEEDED OR SODDED AS SHOWN IN THE PLANS. LIMITS SHOWN ON THE PLANS ARE THE MAXIMUM PAY WIDTHS FOR PAYMENT PURPOSES.

USE A FERTILIZER WITH AN ANALYSIS OF 1:1:1 RATIO AT THE FOLLOWING RATE PER ACRE:

	SEEDING	SODDING
NITROGEN FERTILIZER NUTRIENT	90 LBS.	60 LBS.
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS.	60 LBS.
POTASSIUM FERTILIZER NUTRIENT	90 LBS.	60 LBS.

SUPPLEMENTAL WATERING SHALL BE PERFORMED WHEN DIRECTED BY THE ENGINEER AT A RATE OF 3 GAL PER SQ. YD.

THE CONTRACTOR SHALL DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER EXCAVATED MATERIAL NOT FOR SALVAGE AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE EACH DAY. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING TO DISPOSAL LOCATIONS.

THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND AFTER COMPLETION OF ROADWAY CONSTRUCTION, TO SET THEM IN THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE IN CONFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, AND THE COST WILL BE CONSIDERED INCLUDED IN THE CONTRACT.

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

BITUMINOUS MIXTURE REQUIREMENT

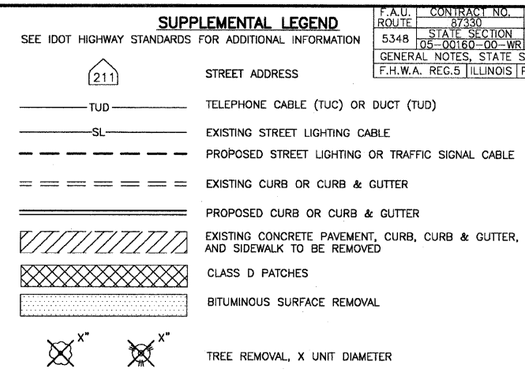
ITEM	AC TYPE	VOIDS	MAX% RAP
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 64-22	4% @ 50 Gyr.	15
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	PG 64-22	4% @ 70 Gyr.	10
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50	PG 58-22	4% @ 50 Gyr.	25
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70	PG 64-22	4% @ 70 Gyr.	15
BITUMINOUS BASE COURSE,SUPERPAVE, 6" & 8"	PG 58-22	2% @ 50 Gyr	50
LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70 MIX D	PG 64-22	4% @ 70 Gyr.	15
INCIDENTIAL BITUMINOUS SURFACING, SUPERPAVE, N50	PG 58-22	2% @ 50 Gyr.	50
CLASS D PATCHES, IL 19, 10"-12"*	PG 64-22	4% @ 70 Gyr.	15

*THE SPECIAL PROVISION FOR "SUPERPAVE BITUMINOUS CONCRETE MIXTURES" SHALL APPLY TO THIS ITEM.
THE UNIT WEIGHT USED FOR ALL BITUMINOUS QUANTITIES IS 112 POUNDS PER INCH THICKNESS PER SQUARE YARD.

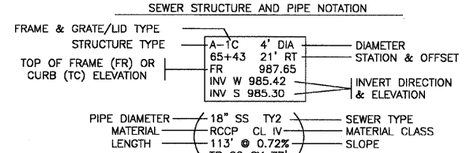
SUPPLEMENTAL LEGEND

SEE IDOT HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION

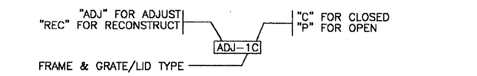
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	2
GENERAL NOTES, STATE STANDARDS, & LEGEND				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



SEWER STRUCTURE AND PIPE NOTATION



STRUCTURE ADJUSTMENT/RECONSTRUCTION/REMOVAL NOTATION



(F) DENOTES STRUCTURE TO BE FILLED

(R) DENOTES STRUCTURE TO BE REMOVED

STATE STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001	AREAS OF REINFORCEMENT BARS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
424001-04	CURB RAMPS FOR SIDEWALKS
442201-01	CLASS C AND D PATCHES
515001-02	NAME PLATE FOR BRIDGES
542106	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 1050 mm (42") THRU 1500 mm (60") DIAMETER AT RIGHT ANGLES WITH ROADWAY
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm (24") THRU 1300 mm (54") PIPE)
542601	REINFORCED CONCRETE PIPE ELBOW
601001	SUB-SURFACE DRAINS
602001	CATCH BASIN, TYPE A
602011	CATCH BASIN, TYPE C
602401-01	MANHOLE, TYPE A
602406-01	MANHOLE, TYPE A, 1.8 m (6') DIAMETER
602411	MANHOLE, TYPE A, 2.1 M (7') DIAMETER
602501	VALVE VAULT, TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-01	MANHOLE STEPS
604001-02	FRAME AND LIDS, TYPE 1
604036-01	GRATE, TYPE 8
604056-02	FRAME AND GRATE, TYPE 11V
604091-01	FRAME AND GRATE, TYPE 24
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-15.60 (B-6.24)
606301-02	PC CONCRETE ISLANDS AND MEDIANS
701001-1	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 M (15') AWAY
701006-2	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERS MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK URE
702001-06	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001	CONCRETE HANDHOLES
814006	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001	TRAFFIC SIGNAL GROUNDING
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
877011-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001-04	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	3
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: I000-2A ROADWAY	X028-2A BOX CULVERT	Y003 LANDSCAPING ORNAMENTAL	Y030-1E LIGHTING	Y030-1F SIGNALS S. MALTA RD./TAYLOR ST.	Y031-1F SIGNALS INTERCONNECT	Y080 TRAINING	Y060 NON-PART.
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	88	88							
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	56	56							
	20200100	EARTH EXCAVATION	CU YD	24,977	24,907	70						
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	16,540	15,520	1,020						
	20400800	FURNISHED EXCAVATION	CU YD	2,000	2,000							
	20600110	GRANULAR EMBANKMENT, SPECIAL	TON	1,870		1,870						
	20700110	POROUS GRANULAR EMBANKMENT	TON	880		880						
	20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	15,520	15,520							
	20800150	TRENCH BACKFILL	CU YD	4,946	3,586							1,360
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	32,398	31,630	768						
	21301084	EXPLORATION TRENCH 84" DEPTH	FOOT	200	200							
*	25000210	SEEDING, CLASS 2A	ACRE	7.6	7.6							
*	25000312	SEEDING, CLASS 4A	ACRE	6.1	6.1							
*	25000314	SEEDING, CLASS 4B	ACRE	0.7	0.7							
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,394	1,394							
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,394	1,394							
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,394	1,394							
*	25100115	MULCH, METHOD 2	ACRE	30.0	30.0							
*	25100630	EROSION CONTROL BLANKET	SQ YD	10,764	10,764							
*	25200110	SODDING, SALT TOLERANT	SQ YD	7,863	7,863							
	25200200	SUPPLEMENTAL WATERING	UNIT	120	120							
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,781	1,781							
	28000300	TEMPORARY DITCH CHECKS	EACH	51	51							
	28000400	PERIMETER EROSION BARRIER	FOOT	1,715	1,715							
	28000500	INLET AND PIPE PROTECTION	EACH	35	35							
	28000510	INLET FILTERS	EACH	37	37							
	28100105	STONE RIPRAP, CLASS A3	SQ YD	105	105							
	28100107	STONE RIPRAP, CLASS A4	SQ YD	198	198							
	28100111	STONE RIPRAP, CLASS A6	SQ YD	200	200							
	28200200	FILTER FABRIC	SQ YD	398	398							
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	34	34							
	40600300	AGGREGATE (PRIME COAT)	TON	81	81							
	40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	416	416							
	42001300	PROTECTIVE COAT	SQ YD	8,951	8,951							
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	149	149							
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	35,045	35,045							
	42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	1,110	1,110							
	42400800	DETECTABLE WARNINGS	SQ FT	412	412							
	44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SQ YD	203	203							
	44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	4,270	4,270							
	44000300	CURB REMOVAL	FOOT	148	148							
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,601	1,601							
	44000600	SIDEWALK REMOVAL	SQ FT	10,499	10,499							
	44002020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	920	920							
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	8	8							
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	51	51							
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	19	19							
	44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	8	8							
	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	14	14							
	44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	95	95							
	44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	340	340							
	44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	10,744	10,744							
	48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	575	575							
*	50800300	CLEANING AND PAINTING STEEL BRIDGE	L SUM	1	1							
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	24,290		24,290						
	50900500	ALUMINUM RAILING	FOOT	128		128						
	51100300	SLOPE WALL 6 INCH	SQ YD	44		44						

* SPECIALTY ITEM

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	4
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE							
				I000-2A ROADWAY	X028-2A BOX CULVERT	Y003 LANDSCAPING ORNAMENTAL	Y030-1E LIGHTING	Y030-1F SIGNALS S. MALTA RD./TAYLOR ST.	Y031-1F SIGNALS INTERCONNECT	Y080 TRAINING	Y060 NON-PART.
51205200	TEMPORARY SHEET PILING	SQ FT	2,600		2,600						
51500100	NAME PLATES	EACH	1		1						
54003000	CONCRETE BOX CULVERTS	CU YD	72		72						
54011205	PRECAST CONCRETE BOX CULVERT 12' X 5'	FOOT	306		306						
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	8	8							
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	5	5							
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	3	3							
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2							
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	2	2							
54214533	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 48"	EACH	1	1							
54247100	GRATING FOR CONCRETE FLARED END SECTION 15"	EACH	1	1							
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	2							
54247190	GRATING FOR CONCRETE FLARED END SECTION 48"	EACH	2	2							
54248180	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 48"	EACH	1	1							
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	2,229	2,229							
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	1,118	1,118							
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	176	176							
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	187	187							
550A2380	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30"	FOOT	44	44							
550A2400	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	FOOT	175	175							
550A2420	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 48"	FOOT	619	619							
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	441	441							
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	114	114							
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	782	782							
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	339	339							
550A2580	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	1,188	1,188							
550A2760	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 24"	FOOT	354	354							
55035900	STORM SEWERS, TYPE 2, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 60, RISE 38	FOOT	123	123							
55100400	STORM SEWER REMOVAL 10"	FOOT	96	96							
55100500	STORM SEWER REMOVAL 12"	FOOT	469	469							
55100700	STORM SEWER REMOVAL 15"	FOOT	586	586							
55100900	STORM SEWER REMOVAL 18"	FOOT	567	567							
55101100	STORM SEWER REMOVAL 21"	FOOT	48	48							
55101200	STORM SEWER REMOVAL 24"	FOOT	191	191							
55101800	STORM SEWER REMOVAL 42"	FOOT	48	48							
55102000	STORM SEWER REMOVAL 54"	FOOT	135	135							
* 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	235								235
* 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	946								946
* 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	43								43
* 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1,943								1,943
* 56103400	DUCTILE IRON WATER MAIN 16"	FOOT	224								224
* 56104900	WATER VALVES 6"	EACH	1								1
* 56105000	WATER VALVES 8"	EACH	4								4
* 56105100	WATER VALVES 10"	EACH	1								1
* 56105200	WATER VALVES 12"	EACH	2								2
* 56105300	WATER VALVES 16"	EACH	2								2
* 56106400	ADJUSTING WATER MAIN 8"	FOOT	40								40
* 56108800	TAPPING VALVES AND SLEEVES 6"	EACH	1								1
* 56200200	WATER SERVICE LINE 3/4"	FOOT	224								224
* 56200500	WATER SERVICE LINE 1 1/2"	FOOT	8								8
* 56201300	CORPORATION STOPS 3/4"	EACH	7								7
* 56201600	CORPORATION STOPS 1 1/2"	EACH	1								1
* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	1								1
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	4								4
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	6								6
* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	8								8
* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1								1

* SPECIALTY ITEM

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	5
SUMMARY OF QUANTITIES		-		
F.H.W.A. REG.5	ILLINOIS	PROJECT HPR-2295(001)		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 1000-2A ROADWAY	X028-2A BOX CULVERT	Y003 LANDSCAPING ORNAMENTAL	Y030-1E LIGHTING	Y030-1F SIGNALS S. MALTA RD./TAYLOR ST.	Y031-1F SIGNALS INTERCONNECT	Y080 TRAINING	Y060 NON-PART.
60107700	PIPE UNDERDRAINS 6"	FOOT	720	720							
60202405	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	19	19							
60205605	CATCH BASINS, TYPE A, 5'-DIAMETER	EACH	4	4							
60213300	CATCH BASINS, SPECIAL	EACH	71	71							
60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	13	13							
60222900	MANHOLES, TYPE A, 5'-DIAMETER	EACH	18	18							
60249110	VALVE VAULTS, 4'-DIAMETER	EACH	1								1
60249120	VALVE VAULTS, 5'-DIAMETER	EACH	8								8
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1							
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3							
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1							
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4								4
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	2								2
60266500	VALVE VAULTS TO BE REMOVED	EACH	12								12
60266910	VALVE BOXES TO BE REMOVED	EACH	9								9
60402210	GRATES, TYPE 8	EACH	18	18							
60404805	FRAMES AND GRATES, TYPE 11V	EACH	6	6							
60404950	FRAMES AND GRATES, TYPE 24	EACH	20	20							
60405700	FRAMES AND GRATES, SPECIAL	EACH	71	71							
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	6	6							
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	50	33							17
60500040	REMOVING MANHOLES	EACH	3	3							
60500050	REMOVING CATCH BASINS	EACH	18	18							
60500080	REMOVING CATCH BASINS TO MAINTAIN FLOW	EACH	1	1							
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,828	2,828							
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	11,708	11,708							
60618200	BITUMINOUS MEDIAN SURFACE	SQ FT	2,333	2,333							
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	57	57							
67100100	MOBILIZATION	L SUM	1	1							
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1							
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3,330	3,330							
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	50,280	50,280							
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1,020	1,020							
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	140	140							
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	150	150							
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2,615	2,615							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	400	400							
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	375	375							
* 72000100	SIGN PANEL - TYPE 1	SQ FT	320	320							
* 72000200	SIGN PANEL - TYPE 2	SQ FT	103	43				60			
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1							
* 72900100	METAL POST - TYPE A	FOOT	620	620							
* 72900200	METAL POST - TYPE B	FOOT	43	43							
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	1	1							
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	749	749							
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22,650	22,650							
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	4,710	4,710							
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,040	1,040							
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	315	315							
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	514	514							
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	10,500	10,500							
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1				1				
* 80500200	SERVICE INSTALLATION, TYPE B	EACH	2	1				1			
* 80600200	GROUNDING ELECTRODE BELOW GRADE	EACH	24				24				
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	2,853					563	2,290		
* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	138					138			
* 81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	83					83			

* SPECIALTY ITEM

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	6
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE							
					I000-2A ROADWAY	X028-2A BOX CULVERT	Y003 LANDSCAPING ORNAMENTAL	Y030-1E LIGHTING	Y030-1F SIGNALS S. MALTA RD./TAYLOR ST.	Y031-1F SIGNALS INTERCONNECT	Y080 TRAINING	Y060 NON-PART.
*	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	127					127			
*	81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	16					16			
*	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	1,323					213	1,110		
*	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	790				400	390			
*	81019000	CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	90				90				
*	81400100	HANDHOLE	EACH	18					4	14		
*	81400200	HEAVY-DUTY HANDHOLE	EACH	3					3			
*	81400300	DOUBLE HANDHOLE	EACH	2					2			
*	81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5,729				2,589	850	2,290		
*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	12,606				10,710	1,896			
*	82103400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4					4			
*	82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1				1				
*	83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	192				192				
*	83600315	LIGHT POLE FOUNDATION, 30" DIAMETER, OFFSET	FOOT	36				36				
*	84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	1				1				
*	84200700	LIGHTING FOUNDATION REMOVAL	EACH	1				1				
*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1				1				
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2						2		
*	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1					1			
*	85900100	TRANSCEIVER	EACH	1					1			
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,517					1,517			
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,930					1,930			
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,020					2,020			
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,081					2,081			
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,368					2,368			
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	113					113			
*	87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	120	120							
*	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1					1			
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4					4			
*	87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1					1			
*	87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1					1			
*	87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1					1			
*	87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1					1			
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20					20			
*	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4					4			
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60					60			
*	87900200	DRILL EXISTING HANDHOLE	EACH	1						1		
*	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	11					11			
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	11					11			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	1,255					1,255			
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8					8			
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1					1			
*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2					2			
*	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1					1			
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1					1			
*	89502380	REMOVE EXISTING HANDHOLE	EACH	4					4			
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8					8			
*	A2004724	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	30			30					
*	A2008024	TREE, TILIA CORDATA (LITTLE LEAF LINDEN) 3" CALIPER, BALLED AND BURLAPPED	EACH	25			25					
*	C2005824	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2' WIDTH, BALLED AND BURLAPPED	EACH	60			60					
*	K1005481	SHREDDED BARK MULCH 3"	SQ YD	1,500			1,500					
	X0321558	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	5	5							
*	X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	20	20							
	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	18	18							
	X0322671	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	730	730							
*	X0323885	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1					1			
	X0712400	TEMPORARY PAVEMENT	SQ YD	2,365	2,365							

* SPECIALTY ITEM

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	7
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: 1000-2A ROADWAY	X028-2A BOX CULVERT	Y003 LANDSCAPING ORNAMENTAL	Y030-1E LIGHTING	Y030-1F SIGNALS S. MALTA RD./TAYLOR ST.	Y031-1F SIGNALS INTERCONNECT	Y080 TRAINING	Y600 NON-PART.
	X2111000	TOPSOIL EXCAVATION	CU YD	12,560	12,560							
	X3550300	BITUMINOUS BASE COURSE SUPERPAVE 6"	SQ YD	4,064	4,064							
	X3550500	BITUMINOUS BASE COURSE SUPERPAVE 8"	SQ YD	29,429	29,429							
	X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	3,887	3,887							
	X4066616	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70	TON	6,262	6,262							
	X4066770	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	TON	364	364							
	X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	110	110							
	X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	4	4							
*	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	365					365			
*	X8730402	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 19 12 PAIR	FOOT	3,525						3,525		
*	X8801300	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1					1			
*	X8801310	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6					6			
*	X8801395	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4					4			
*	X8801400	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5					5			
*	X8801437	SIGNAL HEAD ,POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1					1			
	XX003503	FLARED END SECTION REMOVAL	EACH	18	18							
	XX003594	FORMED CONCRETE REPAIR	CU FT	5	5							
	XX003817	GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	1	1							
*	XX004679	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8					8			
	XX004852	BITUMINOUS DRIVEWAY PAVEMENT, SUPERPAVE	SQ YD	990	990							
	XX005078	CATCH BASINS, TYPE C, 2' DIAMETER	EACH	20	20							
*	XX005531	VMS 330 MODIFICATION	L SUM	1						1		
*	XX005731	MAP PANEL MODIFICATION	EACH	1						1		
	Z0000990	AGGREGATE FOR TEMPORARY ACCESS	TON	440	440							
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	38,146	38,128							
	Z0002600	BAR SPLICERS	EACH	30		30						
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1							
	Z0019600	DUST CONTROL WATERING	UNIT	300	300							
	Z0023800	FILLING EXISTING SEPTIC TANK	EACH	2	2							
	Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1							
	Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	1	1							
	Z0045665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1							
	Z0076600	TRAINEES	HOUR	1,000							1,000	
	21101615	TOPSOIL PLACEMENT, 4"	SQ YD	76,625	76,625							
	21101645	TOPSOIL PLACEMENT, 24"	SQ YD	1,022	1,022							
	XX006195	STABILIZED BITUMINOUS PATH	SQ YD	1,908	1,908							
	XX006581	BRICK SIGN	L SUM	1								1
	XX006582	BRICK SIGN AND CONCRETE FOUNDATION REMOVAL	L SUM	1	1							
	XX006583	TEMPORARY PIPE CULVERT	L SUM	1	1							
*	XX005476	DUCTILE IRON WATER MAIN, 12" RESTRAINED JOINT TYPE	FOOT	115								115
	XX006584	CURB STOP AND BOX TO BE REMOVED	EACH	7								7
*	XX006585	CURB STOP AND BOX 3/4"	EACH	7								7
*	XX006266	CURB STOP AND BOX 1.5 INCH	EACH	1								1
	XX006586	PVC CASING PIPE 30"	FOOT	50								50
	XX006587	VALVE VAULTS, 6'-DIAMETER	EACH	2								2
	XX006588	SLIP-ON FLAT BOTTOM CHECK VALVE, 12"	EACH	1	1							
	XX006589	RELOCATE WOOD SIGN ASSEMBLY	EACH	1	1							
	XX006590	RELOCATE CIVIL DEFENSE WARNING SIREN	L SUM	1	1							
	XX006277	TEMPORARY SEDIMENT TRAP	EACH	2	2							
	XX006285	PERIMETER EROSION BARRIER (SPECIAL)	FOOT	1,265	1,265							
	XX006290	MANHOLES, TYPE A, 7'-DIAMETER	EACH	4	4							
*	XX006591	PAVEMENT TEXTURING	SQ FT	5,620	5,620							
*	XX006592	UNIT DUCT, WITH 2-1/C NO. 4, 2-1/C NO. 6, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE), 2" DIA., POLYETHYLENE	FOOT	5,075				5,075				
*	XX006593	UNIT DUCT, WITH 2-1/C NO. 4, 2-1/C NO. 6, 2-1/C NO. 8, 3-1/C NO. 10 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE), 2" DIA., POLYETHYLENE	FOOT	140				140				
*	XX006594	LIGHT STANDARD	EACH	2				2				
*	XX006595	LIGHT STANDARD, INSTALLED	EACH	23				23				
*	XX006596	DECORATIVE BASE FOR COMBINATION MAST ARM ASSEMBLY AND POLE	EACH	4					4			

* SPECIALTY ITEM

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SUMMARY OF QUANTITIES

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	8
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: I000-2A ROADWAY	X028-2A BOX CULVERT	Y003 LANDSCAPING ORNAMENTAL	Y030-1E LIGHTING	Y030-1F SIGNALS S. MALTA RD./TAYLOR ST.	Y031-1F SIGNALS INTERCONNECT	Y080 TRAINING	Y060 NON-PART.
*	XX003457	WIRELESS INTERCONNECT SYSTEM	LSUM	1						1		
	XX 006598	VINYL FENCE, 6'	FOOT	85	85							
*	XX0016595	TREE, ACER X FREEMANII 'ARMSTRONG' (ARMSTRONG FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	1			1					
*	XX0016600	TREE, FRAXINUS AMERICANA 'AUTUMN APPLESAUCE' (AUTUMN APPLESAUCE WHITE ASH), 3"CALIPER, BALLED AND BURLAPPED	EACH	28			28					
*	XX0016601	TREE, MALUS 'SPRING SNOW' (SPRING SNOW CRABAPPLE), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	11			11					
*	XX0016602	SHRUB, ARONIA MELANOCARPA 'MORTON' (IROQUOIS BEAUTY BLACK CHOKEBERRY), 2.5' HEIGHT, BALLED AND BURLAPPED	EACH	54			54					
*	XX0016603	SHRUB, BERBERIS THUNBERGII 'BAILONE' (RUBY CAROUSEL BARBERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	213			213					
*	XX0016604	SHRUB, EUONYMUS ALATUS 'TIMBER CREEK' (CHICAGO FIRE BURNING BUSH), 3' HEIGHT, BALLED AND BURLAPPED	EACH	10			10					
*	XX0016605	SHRUB, HAMAMELIS MOLLIS (CHINESE WITCHHAZEL), 5' HEIGHT BALLED AND BURLAPPED	EACH	1			1					
*	XX0016606	SHRUB, ILEX VERTICILLATA 'RED SPRITE' (RED SPRITE WINTERBERRY), 18" HEIGHT, BALLED AND BURLAPPED	EACH	20			20					
*	XX0016607	SHRUB, VIBURNUM DENTATUM 'BLUE MUFFIN' (BLUE MUFFIN ARROWWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	15			15					
*	XX0016608	GRASSES, MOLINIA CAERULEA 'MOORHEXE' (PURPLE MOOR GRASS), 1 GALLON	EACH	18			18					
*	XX0016609	GRASSES, PANICUM VIRGATUM 'HEAVY METAL' (HEAVY METAL SWITCH GRASS), 1 GALLON	EACH	44			44					
*	XX0016610	GRASSES, SCHIZACHYRIUM SCOPARIUM (LITTLE BLUESTEM), 1 GALLON	EACH	119			119					
*	XX0016611	GRASSES, SPOROBULUS HETEROLEPIS (PRAIRIE DROPSEED), 1 GALLON	EACH	142			142					
*	K0039125	HEMEROCALLIS 'HAPPY RETURNS' CONTAINER GROWN (1 GALLON)	EACH	120			120					
*	XX003273	SEDUM 'AUTUMN JOY' (1 GALLON)	EACH	89			89					

* SPECIALTY ITEM

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SCHEDULE OF QUANTITIES

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	9
SCHEDULE OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

STORM SEWER REMOVAL

LOCATION	SS REM 10" (FOOT)	SS REM 12" (FOOT)	SS REM 15" (FOOT)	SS REM 18" (FOOT)	SS REM 21" (FOOT)	SS REM 24" (FOOT)	SS REM 42" (FOOT)	SS REM 54" (FOOT)
85+90 RT - 85+90 RT	20							
85+90 RT - 86+71 RT		82						
86+71 RT - 87+03 RT						36		
87+04 RT - 87+03 RT		10						
87+03 RT - 87+10 RT						7		
87+72 RT - 88+25 RT						53		
89+32 RT - 89+32 RT						19		
89+32 RT - 89+31 LT							48	
95+08 RT - 95+08 RT		6						
95+08 RT - 95+74 RT				66				
95+74 RT - 95+74 RT		6						
95+74 RT - 96+05 RT				30				
97+61 RT - 97+63 LT								45
97+74 RT - 97+75 LT								45
97+86 RT - 97+88 LT								45
98+98 RT - 99+47 RT			49					
102+32 RT - 102+33 RT					48			
102+69 RT - 102+98 RT			29					
105+01 RT - 105+56 RT	56							
107+22 RT - 107+22 LT			84					
107+99 RT - 107+99 LT			70					
107+99 LT - 107+75 LT			28					
117+46 LT - 118+03 LT		56						
117+92 LT - 118+27 LT		36						
123+45 LT - 123+55 LT				19				
123+47 RT - 123+56 RT		9						
123+56 RT - 124+65 RT			104					
123+56 RT - 123+55 LT						76		
123+55 LT - 123+92 LT			32					
193+80 LT - 194+11 LT		31						
194+50 LT - 194+81 LT		31						
197+49 LT - 198+41 LT		92						
197+49 LT - 198+05 LT			56					
198+05 LT - 198+41 LT			37					
198+71 LT - 198+73 RT			42					
200+20 RT - 201+50 RT				130				
200+60 RT - 200+87 RT				28				
201+50 LT - 201+50 RT			55					
202+77 LT - 202+79 RT		55						
202+77 LT - 202+77 LT	20							
201+50 RT - 202+79 RT				129				
202+79 RT - 203+47 RT				68				
203+47 RT - 204+15 RT				68				
205+00 LT - 205+37 LT		37						
206+71 LT - 207+00 LT				29				
207+77 LT - 207+95 LT		18						
TOTAL	96	469	586	567	48	191	48	135

BITUMINOUS SURFACE REMOVAL AND PAVEMENT PATCH

LOCATION	BIT SURF REM BUTT JT (SQ YD)	BIT SURF REM 1-1/2" (SQ YD)	BIT SURF REM VAR DEPTH (SQ YD)	CL D PATCH TY I, 10" (SQ YD)	CL D PATCH TY II, 10" (SQ YD)	CL D PATCH TY III, 10" (SQ YD)	CL D PATCH TY I, 12" (SQ YD)	CL D PATCH TY II, 12" (SQ YD)	CL D PATCH TY III, 12" (SQ YD)	CL D PATCH TY IV, 12" (SQ YD)
81+15 - 86+50	160		1312				4	14	21	203
86+50 - 92+50			218				4			
92+50 - 98+50										
98+50 - 104+50										
104+50 - 109+50										
109+50 - 115+50			123						15	
115+50 - 121+50		27	489						40	
121+50 - 127+05	74	52	184						19	137
191+41 - 197+00	92		887		26	19				
197+00 - 199+25			285		13					
201+00 - 202+50										
202+50 - 208+59	90	101	710	8	12					
3+85 - 4+00			62							
21+70 - 22+00		23								
TOTAL	416	203	4,270	8	51	19	8	14	95	340

PLAN ALLOWANCE

ITEM	UNITS	QUANTITY
FURNISHED EXCAVATION	CU YD	2,000
EXPLORATION TRENCH 84" DEPTH	FOOT	200
SUPPLEMENTAL WATERING	UNIT	120
PAVEMENT MARKING REMOVAL	SQ FT	10,500
STABILIZED CONSTRUCTION ENTRANCE	SQ YD	730
INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	110
AGGREGATE FOR TEMPORARY ACCESS	TON	440
DUST CONTROL WATERING	UNIT	300

AN ESTIMATED PLAN QUANTITY FOR EACH OF THESE ITEMS HAS BEEN SHOWN TO ESTABLISH UNIT PRICES FOR AN ITEM. PAYMENT SHALL BE MADE FOR ACTUAL QUANTITY COMPLETED WITHOUT AN ADJUSTMENT IN UNIT PRICE DUE TO A CHANGE IN PLAN QUANTITY.

EARTHWORK

LOCATION	EARTH EXCAVATION (CU YD)	UNSUITABLE OR UNSTABLE MATERIAL (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE 25% (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION (CU YD)	TOPSOIL PLACEMENT CONVERTED FROM SQ YD (CU YD)
STAGE 1							
ANNIE GLIDDEN ROAD	2,910	6,438	2,183	11,969	-9,787		
S. MALTA ROAD/TAYLOR STREET	1,253	834	940	420	520		
COMPENSATORY STORAGE BASIN	12,301		9,226	1,482	7,744	12,560	
BOX CULVERT CONSTRUCTION AND GRADING	42	612	32		32		
STAGE 1 TOTAL	16,506	7,884	12,380	13,871	-1,492	12,560	0
STAGE 2							
ANNIE GLIDDEN ROAD	6,958	7,275	5,219	3,780	1,439		3,645
S. MALTA ROAD/TAYLOR STREET	1,485	973	1,114	664	450		482
COMPENSATORY STORAGE BASIN							5,070
BOX CULVERT CONSTRUCTION AND GRADING	28	408	21		21		
STAGE 2 TOTAL	8,471	8,656	6,353	4,444	1,909	0	9,197
PROJECT TOTAL	24,977	16,540	18,733	18,315	418	12,560	9,197

TREE REMOVAL

LOCATION	REF	TREE REM 6-15 (UNITS)	TREE REM OVER 15 (UNITS)
96+52	61' LT	6	
96+62	65' LT	6	
96+74	50' LT	6	
96+79	42' LT	6	
96+91	44' LT	6	
96+94	44' LT	6	
97+08	61' LT	12	
97+38	43' LT	12	
97+44	41' LT	6	
97+53	64' LT	14	
97+60	56' LT	8	
111+70	36' LT		16
112+09	45' LT		40
TOTAL		88	56

DRIVEWAYS

LOCATION	REF	PCC DRIVE PVMT, 7" (SQ YD)	BIT DRIVE PVMT SUPER (SQ YD)
83+86	LT		75
83+87	RT	26	43
105+71	RT	64	113
194+09	LT		14
194+69	LT		12
193+81 TO 194+78 PARKING LOT	LT		475
197+92	LT	59	56
205+17	LT		64
204+39	RT		11
205+57	RT		9
208+39 & 206+58	RT		30
206+48	LT		36
207+91 & 208+15	RT		52
TOTAL		149	990

FRAMES, LIDS, AND GRATES

	WATER MAIN STRUCTURES	STORM SEWER STRUCTURES	TOTAL
GRATES, TYPE 8		18	18
FRAMES AND GRATES, TYPE 11V		6	6
FRAMES AND GRATES, TYPE 24		20	20
FRAMES AND GRATES, SPECIAL		71	71
FRAMES AND LIDS, TYPE 1, OPEN LID		6	6
FRAMES AND LIDS, TYPE 1, CLOSED LID	17	33	50

SEE SHEET 10 FOR "SANITARY MANHOLES TO BE ADJUSTED WITH NEW TY 1 FRAME, CLOSED LID"

WATER MAIN APPURTENANCES

WATER VALVE 6" (EACH)	WATER VALVE 8" (EACH)	WATER VALVE 10" (EACH)	WATER VALVE 12" (EACH)	WATER VALVE 16" (EACH)	TAP VALVE & SLEEVE, 6" (EACH)	ADJ WM (FOOT)	WATER SERV LINE 3/4" (FOOT)	WATER SERV LINE 1 1/2" (FOOT)	CURB STOP AND BOX REM (EACH)	CURB STOP AND BOX 3/4" (EACH)	CURB STOP AND BOX 1 1/2" (EACH)	FH TO BE MOVED (EACH)	FH TO BE ADJ (EACH)	FH TO BE REM (EACH)	FH WITH AUX V & VB (EACH)	DOM WATER SERV BOX ADJ (EACH)	VV 4 DIA (EACH)	VV 5 DIA (EACH)	VV 6 DIA (EACH)	VV ADJ (EACH)	VV REC (EACH)	VV REM (EACH)	VALVE BOX REM (EACH)
203+10 19 RT	22+15 36 RT	4+05 37 LT	87+92 54 RT	107+06 68 RT	84+98 32 RT	123+29 40 LT	202+77 32'	195+91 8'	202+80 37 RT	202+77 33 RT	195+91 39 LT	86+63 54 RT	122+77 52 RT	86+83 20 LT	84+98 39 LT	83+47 46 LT	203+10 19 RT	84+98 32 RT	107+06 68 RT	86+82 42 RT	121+19 28 RT	87+01 53 RT	87+02 19 LT
	107+57 40 RT		95+88 76 RT	109+10 67 RT		40 LIN FT	204+04 32'		204+07 37 RT	204+04 33 RT			193+35 33 LT	94+66 6 LT	88+10 67 RT			4+05 37 LT	109+10 67 RT	117+95 27 RT	195+77 34 LT	87+02 39 RT	107+67 13 LT
	202+85 10 RT						204+53 32'		204+56 37 RT	204+53 33 RT			195+85 37 LT	198+93 25 RT	95+95 68 RT			87+92 54 RT		118+28 38 RT		87+83 48 RT	193+35 33 LT
	208+45 10 RT						205+29 32'		205+32 38 RT	205+29 33 RT			198+19 37 LT	201+16 27 RT	101+00 59 RT			22+15 36 RT		122+82 40 RT		94+90 50 RT	195+85 37 LT
							206+10 32'		206+13 37 RT	206+10 33 RT				203+44 39 RT	109+00 61 RT			95+88 76 RT				95+54 58 RT	198+19 37 LT
							207+07 32'		207+04 37 RT	207+07 33 RT				207+25 27 RT	200+92 44 RT			107+57 40 RT				95+77 58 RT	203+44 39 RT
							207+71 32'		207+74 35 RT	207+71 33 RT					203+37 54 RT			202+85 10 RT				107+04 61 RT	207+25 27 RT
															207+15 22 RT			208+45 10 RT				107+10 55 RT	202+90 16 RT
																						107+67 66 RT	203+00 21 RT
																						107+76 55 RT	
																						202+90 16 RT	
																						203+00 21 RT	
1	4	1	2	2	1	40	224	8	7	7	1	1	4	6	8	1	1	8	2	4	2	12	9

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SCHEDULE OF QUANTITIES

STORM SEWER STRUCTURES

PRC FES	CB TA 4' DIA	CB TA 5' DIA	CB TC 2' DIA	CB SPEC 2' X 3'	MH TA 4' DIA	MH TA 5' DIA	MH TA 7' DIA
LOCATION & SIZE	LOCATION	LOCATION	LOCATION	LOCATION	LOCATION	LOCATION	LOCATION
12"	89+32 35 LT F&G T24	121+60 34 RT F&G T24	85+50 C.L. F&L T1 OL	82+00 35 RT F&G SPEC	85+50 40 LT F&L T1 CL	82+00 22 LT F&L T1 CL	103+07 50 RT F&L T1 CL
91+85 56 LT	89+37 35 RT F&G T24	121+60 34 LT F&G T24	86+70 C.L. F&L T1 OL	82+00 35 LT F&G SPEC	85+95 57 RT G T8	86+90 63 RT F&G T24	104+15 50 RT F&L T1 CL
91+85 58 RT	97+75 35 LT F&G T24	199+06 24 RT F&G T24	93+00 C.L. F&L T1 OL	85+50 35 LT F&G SPEC	86+85 40 LT F&L T1 CL	88+27 47 RT F&L T1 CL	107+75 50 RT F&L T1 CL
93+00 59 RT	98+05 35 RT F&G T24	199+18 27 RT F&G T24	94+65 C.L. F&L T1 OL	85+90 47 RT F&G SPEC	88+13 40 LT F&L T1 CL	103+49 99 LT F&L T1 CL	108+30 50 RT F&L T1 CL
96+60 63 LT	99+45 2 RT F&L T1 OL		101+15 2 LT F&L T1 OL	86+85 35 LT F&G SPEC	95+00 53 LT F&L T1 CL	109+15 43 RT F&L T1 CL	
96+60 61 RT	103+05 35 LT F&G T24		104+20 47 RT F&G T24	86+98 72 RT F&G SPEC	104+20 53 LT F&L T1 CL	110+05 43 RT F&L T1 CL	
101+90 66 LT	118+90 34 RT F&G T24		104+30 47 RT F&G T24	88+13 35 LT F&G SPEC	105+40 53 LT F&L T1 CL	111+85 52 RT F&L T1 CL	
101+90 65 RT	123+53 60 RT G T8		105+56 70 RT F&G T11V	88+13 40 RT F&G SPEC	106+36 53 LT F&L T1 CL	113+55 56 RT G T8	
103+80 93 LT GRATING	125+40 33 RT G T8		106+60 47 RT F&G T24	88+23 35 LT F&G SPEC	200+97 50 LT F&L T1 CL	115+30 56 RT G T8	
	125+40 33 LT F&L T1 CL		108+50 66 RT G T8	88+23 38 RT F&G SPEC	202+35 25 RT F&L T1 CL	117+05 52.5 RT F&L T1 CL	
15"	126+30 33 LT G T8		110+00 64 RT G T8	91+85 35 LT F&G SPEC	202+29 50 LT F&L T1 CL	118+90 52.5 RT F&L T1 CL	
88+13 58 LT	202+87 26 RT F&G T24		118+00 41 LT F&G T24	91+85 42 RT F&G SPEC	203+90 50 LT F&L T1 CL	121+40 56 RT G T8	
95+00 65 LT	203+54 26 RT F&G T24		119+00 57 RT G T8	92+90 35 LT F&G SPEC	204+15 25 RT F&L T1 CL	123+45 55 LT F&L T1 CL	
99+00 68 LT	207+00 25 RT G T8		194+45 37 LT G T8	92+90 47 RT F&G SPEC		123+56 38 RT F&G T24	
103+30 102 LT GRATING	207+94 29 LT F&G T11V		197+25 37 LT G T8	93+00 35 LT F&G SPEC		192+80 28 RT F&L T1 CL	
192+05 28 RT	21+85 34 LT F&G T11V		201+55 37 RT G T8	93+00 47 RT F&G SPEC		194+60 28 RT F&L T1 CL	
	21+85 34 RT F&G T11V		202+30 37 RT G T8	95+00 35 LT F&G SPEC		196+00 28 RT F&L T1 CL	
18"	21+95 34 LT F&G T11V		203+65 36 RT G T8	95+10 35 LT F&G SPEC		197+50 28 RT F&L T1 CL	
96+15 69 RT	21+95 34 RT F&G T11V		204+60 36 RT G T8	96+60 35 LT F&G SPEC			
103+20 84 LT			205+85 36 RT G T8	96+60 35 RT F&G SPEC			
104+15 65 RT				99+05 35 LT F&G SPEC			
				99+05 39 RT F&G SPEC			
24"				101+90 35 LT F&G SPEC			
88+50 54 RT GRATING				101+90 47 RT F&G SPEC			
89+33 65 RT GRATING				104+20 35 LT F&G SPEC			
				104+30 35 LT F&G SPEC			
48"				105+40 35 LT F&G SPEC			
89+22 58 LT GRATING				106+50 40 LT F&G SPEC			
89+31 54 RT GRATING				200+90 37 LT F&G SPEC			
				108+25 38 LT F&G SPEC			
				108+30 42 RT F&G SPEC			
EQ RS 48"				109+15 37 RT F&G SPEC			
102+95 73 LT GRATING				110+05 35 LT F&G SPEC			
				110+05 35 RT F&G SPEC			
				111+85 35 LT F&G SPEC			
				111+85 35 RT F&G SPEC			
				113+60 35 RT F&G SPEC			
				113+70 35 LT F&G SPEC			
				115+30 35 LT F&G SPEC			
				115+30 35 RT F&G SPEC			
				116+20 35 LT F&G SPEC			
				117+05 35 LT F&G SPEC			
				117+05 35 RT F&G SPEC			
				118+25 35 LT F&G SPEC			
				118+90 34 LT F&G SPEC			
				119+80 34 LT F&G SPEC			
				120+70 34 LT F&G SPEC			
				123+36 60 RT F&G SPEC			
				123+40 52 LT F&G SPEC			
				124+40 34 RT F&G SPEC			
				124+50 34 RT F&G SPEC			
				124+50 34 LT F&G SPEC			
				192+80 21 LT F&G SPEC			
				192+80 21 RT F&G SPEC			
				193+85 21 LT F&G SPEC			
				194+45 21 LT F&G SPEC			
				194+60 21 RT F&G SPEC			
				196+00 23 LT F&G SPEC			
				196+00 23 RT F&G SPEC			
				197+50 23 LT F&G SPEC			
				197+50 23 RT F&G SPEC			
				199+06 29 LT F&G SPEC			
				199+16 32 LT F&G SPEC			
				202+19 35 LT F&G SPEC			
				202+19 23 RT F&G SPEC			
				202+29 35 LT F&G SPEC			
				202+29 23 RT F&G SPEC			
				204+05 23 RT F&G SPEC			
				204+10 35 LT F&G SPEC			
				205+80 29 LT F&G SPEC			
				205+80 22 RT F&G SPEC			
19	4	20	71	13	18	4	

NOTE: STATION AND OFFSET MAY BE ROUNDED. SEE UTILITY PLAN AND PROFILE SHEETS FOR EXACT LOCATION

STRUCTURE ADJUSTMENT, REMOVAL, AND FILL

CB ADJ	CB REC	MH ADJ	REM MH	REM CB	REM CB TO MAINT FLOW	SAN MH ADJ NEW T1F CL	FES REM
LOCATION	LOCATION	LOCATION	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
87+71 76 RT F&G T24	87+72 68 RT F&G T24	83+68 20 LT F&L T1 CL	86+71 47 LT	85+90 40 RT	207+80 26 RT	81+19 1 RT	88+30 58 RT
	204+61 25 RT F&L T1 CL		198+05 12 LT	85+90 60 RT		83+99 61 RT	89+32 53 RT
	205+84 24 RT F&L T1 CL		123+56 37 LT	87+03 64 RT		107+98 86 RT	89+31 7 LT
				87+04 73 RT		108+40 67 RT	89+32 65 RT
				95+08 84 RT		199+14 48 RT	96+05 65 RT
				95+08 88 RT			97+61 58 RT
				95+74 83 RT			97+62 4 LT
				95+74 87 RT			97+74 58 RT
				107+75 20 LT			97+75 4 LT
				107+99 65 RT			97+86 57 RT
				107+99 5 LT			97+88 4 LT
				123+48 36 LT			102+32 56 RT
				123+55 38 LT			102+33 4 LT
				201+50 25 RT			107+22 69 RT
				202+78 29 LT			107+22 27 LT
				202+79 26 RT			123+92 36 LT
				203+47 25 RT			124+65 38 LT
				206+71 25 RT			197+38 30 RT
1	3	1	3	18	1	5	18

SIDEWALK, STABILIZED BITUMINOUS PATH, AND DETECTABLE WARNINGS

LOCATION	REF	PCC SIDEWALK 5" (SQ FT)	PCC SIDEWALK 7" (SQ FT)	SIDEWALK REMOVAL (SQ FT)	STABILIZED BIT. PATH (SQ YD)	DETECTABLE WARNINGS (SQ FT)
81+15 - 86+50	LT	2,494	135	1,475		
	RT	3,458		2,420		32
86+50 - 92+50	LT	3,020				
	RT	585		388		32
92+50 - 98+50	LT	395			662	48
	RT	1,860		256		48
98+50 - 104+50	LT				667	
	RT	3,000			58	
104+50 - 109+50	LT	1,598			264	80
	RT	1,575				56
109+50 - 115+50	LT	3,000				
	RT					
115+50 - 121+50	LT	2,745		1,428		16
	RT					
121+50 - 127+05	LT	1,165		1,080		16
	RT	400		160	257	48
191+41 - 197+00	LT	1,790	215			
	RT					
197+00 - 199+25	LT	885				
	RT					
201+00 - 202+50	LT	750				
	RT	822		404		
202+50 - 208+59	LT	2,670	195			8
	RT	2,305	585	2,360		28
3+85 - 4+00	LT	8		8		
	RT					
21+70 - 22+00	LT					
	RT	120		120		
IL RTE 38 - 81+15	LT					
	RT	400		400		
TOTAL		35,045	1,110	10,499	1,908	412

CURB AND GUTTER

LOCATION	REF	CURB REM (FOOT)	COMB C&G REM (FOOT)	COMB CONC C&G TY B-6.12 (FOOT)	COMB CONC C&G TY B-6.24 (FOOT)
81+15 - 86+50	LT		50	245	517
	RT	148	566	245	517
86+50 - 92+50	LT			295	600
	RT		168	274	636
92+50 - 98+50	LT			271	600
	RT		182	284	669
98+50 - 104+50	LT			375	600
	RT			365	600
104+50 - 109+50	LT				509
	RT		130	187	459
109+50 - 115+50	LT				600
	RT				600
115+50 - 121+50	LT				624
	RT				600
121+50 - 127+05	LT		74	56	330
	RT		137		337
191+41 - 197+00	LT				484
	RT				484
197+00 - 199+25	LT		64	68	228
	RT				226
201+00 - 202+50	LT				150
	RT				151
202+50 - 208+59	LT			24	534
	RT		80		642
3+85 - 4+00	LT		15	4	11
	RT		15	15	
21+70 - 22+00	LT		60	60	
	RT		60	60	
TOTAL		148	1,601	2,828	11,708

ROADWAY QUANTITIES

LOCATION	PGE SPEC (CU YD)	AGG SUBGRADE 12" (SQ YD)	AGG PRIME CT (TON)	BIT MATLS PRIME CT (TON)	AREA REFL CR CON TR A (SQ YD)	BIT BASE SUPER 6" (SQ YD)	BIT BASE SUPER 8" (SQ YD)	BIT BIND SUPER IL-19.0 N70 (TON)	LEV BIND MM SUPER N70 (TON)	BIT SURF SUPER "D" N70 (TON)
81+15 - 86+50	905	1,503	3.4	1.5	3,197		958	366	104	326
86+50 - 92+50	2,681	5,115	9.1	3.8	240		4,456	701		421
92+50 - 98+50	2,647	5,729	10.1	4.2			5,061	759		455
98+50 - 104+50	2,774	5,166	8.9	3.7			4,427	671		403
104+50 - 109+50	1,175	5,491	10.2	4.3			5,103	766		459
109+50 - 115+50	2,286	4,454	8.3	3.4	320		3,974	640	18	384
115+50 - 121+50	356	3,517	9.0	3.8	1,600		3,027	674	119	407
121+50 - 127+05	889	1,891	7.2	3.0	2,069		1,554	525	99	326
191+41 - 197+00	294	1,378	4.4	1.9	1,327	990		331	12	199
197+00 - 199+25	0	936	2.2	0.9	367	364	380	161	6	97
201+00 - 202+50	891	121	0.9	0.4		549	345	134		81
202+50 - 208+59	622	2,639	6.8	2.9	1,416	2,161		502	6	310
3+85 - 4+00	0	19	0.2	0.1	69		7	11		6
21+70 - 22+00	0	187	0.3	0.1	139		139	21		13
TOTAL	15,520	38,146	81.0	34.0	10,744	4,064	29,429	6,262	364	3,887

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	10
SCHEDULE OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

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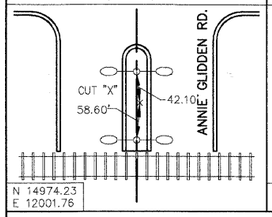
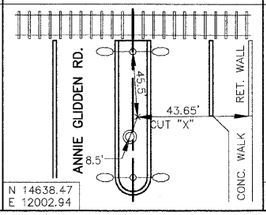
F.A. U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	11
ALIGNMENT, TIES, AND BENCHMARKS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP -2295(001)		

STA. 77+75.05 / 1.86' LT.



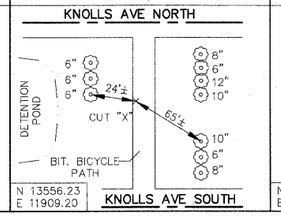
N 14974.23
E 12001.76

STA. 81+10.80 / 2.89' LT.



N 14638.47
E 12002.94

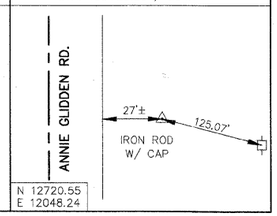
STA. 91+93.52 / 117.70' RT.



N 13556.23
E 11909.20

KNOLLS AVE SOUTH

STA. 100+29.26 / 20.97' LT.



N 12720.55
E 12048.24

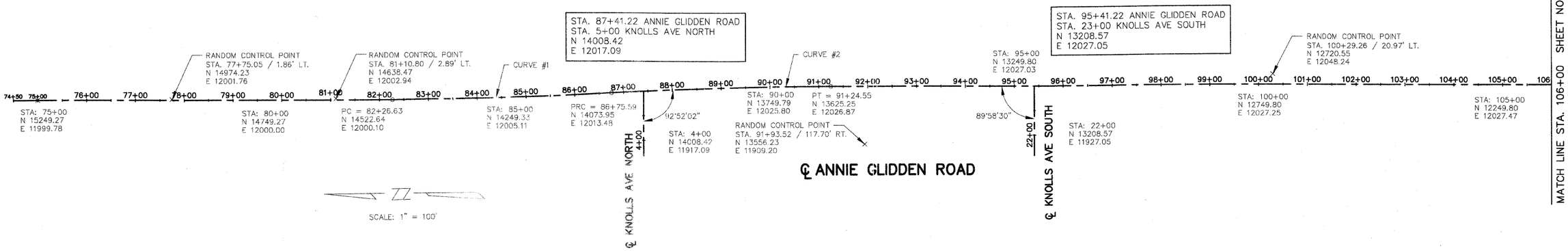
RANDOM CONTROL POINTS

PROPOSED ANNIE GLIDDEN ROAD
CENTER LINE CURVE DATA – CURVE #1

P.I. = 84+51.11
Δ = 02° 22' 03"
D = 00° 45' 00"
R = 7639.00'
T = 224.55'
L = 448.96'
E = 3.30'
P.C. STA. 82+26.63
P.R.C. STA. 86+75.59

PROPOSED ANNIE GLIDDEN ROAD
CENTER LINE CURVE DATA – CURVE #2

P.I. = 89+00.07
Δ = 03° 22' 03"
D = 00° 45' 00"
R = 7639.00'
T = 224.55'
L = 448.96'
E = 3.30'
P.R.C. STA. 86+75.59
P.T. STA. 91+24.55



BENCHMARKS:

1. SOUTHEAST BOLT ON FIRE HYDRANT AT THE SOUTHWEST CORNER OF KNOLLS AVENUE SOUTH AND ANNIE GLIDDEN ROAD.
ELEVATION: 848.69

2. RIVET ON THE CONCRETE WING WALL AT THE NORTHEAST CORNER OF TAYLOR STREET BRIDGE 0.3 MILES± EAST OF ANNIE GLIDDEN ROAD.
ELEVATION: 851.32

3. NORTHWEST BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF DAVID AVENUE AND TAYLOR STREET.
ELEVATION: 848.66

4. NORTHWEST BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF SHARON DRIVE AND TAYLOR STREET.
ELEVATION: 850.48

5. NORTHWEST BOLT ON FIRE HYDRANT AT THE SOUTHWEST CORNER OF ANNIE GLIDDEN ROAD AND TAYLOR STREET.
ELEVATION: 852.22

6. BOLT BY ARROW ON HYDRANT AT THE NORTHWEST CORNER OF HIGHPOINTE DRIVE AND ANNIE GLIDDEN ROAD.
ELEVATION: 876.74

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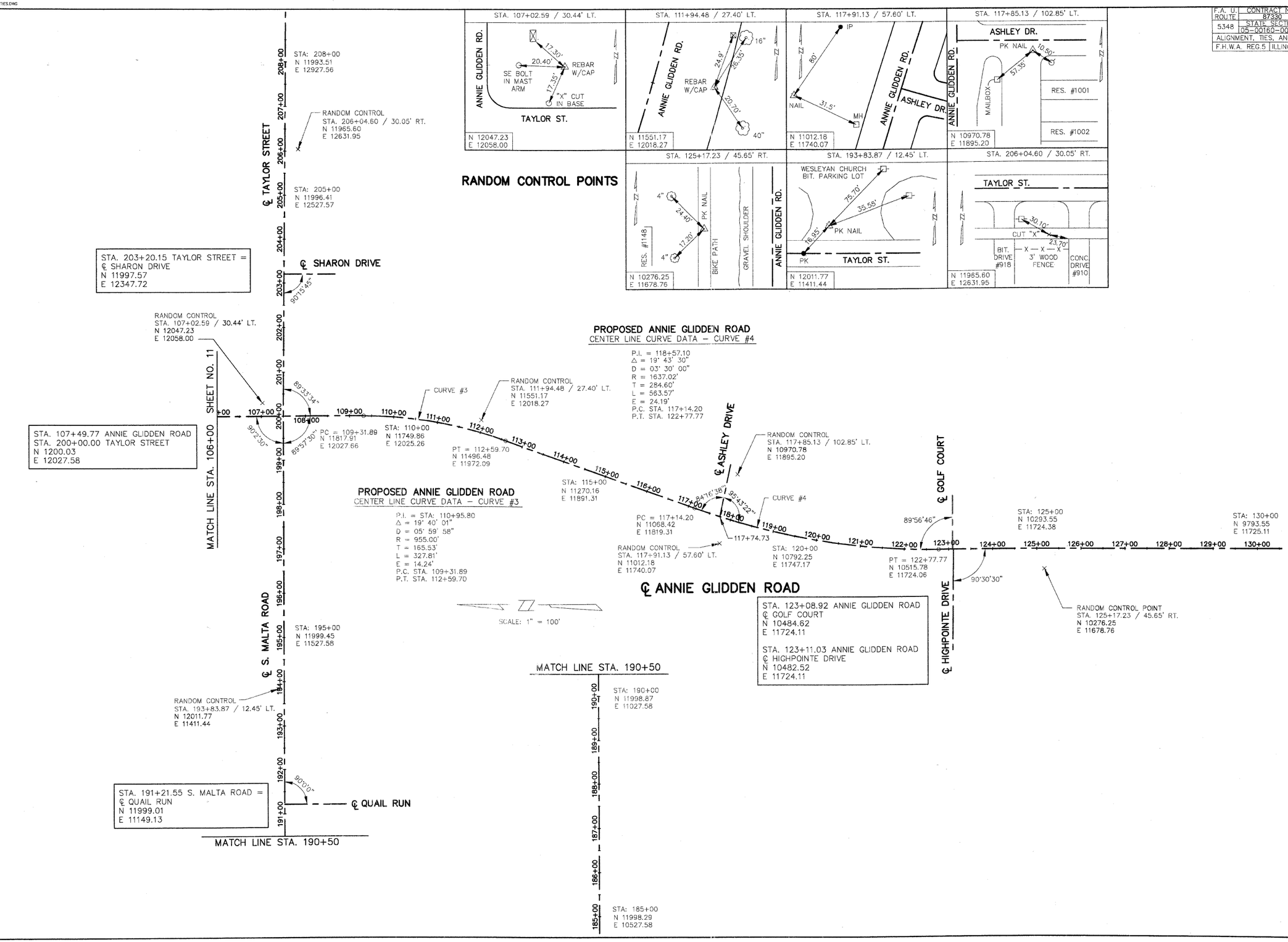
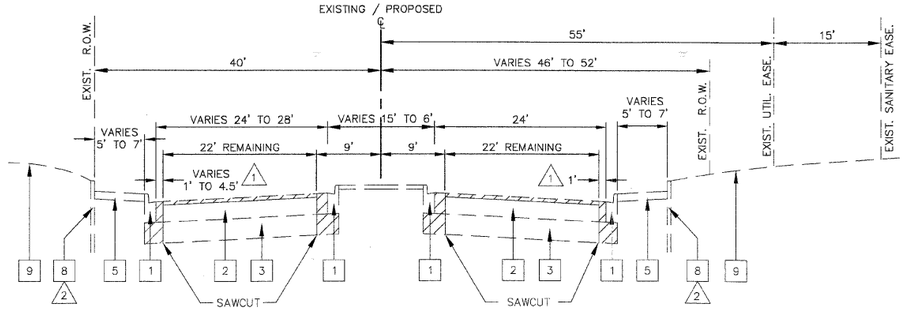
F.A. U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	12
ALIGNMENT, TIES, AND BENCHMARKS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

RANDOM CONTROL POINTS



F.A.U. ROUTE	CONTRACT NO. 37330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	13
EXISTING TYPICAL SECTIONS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



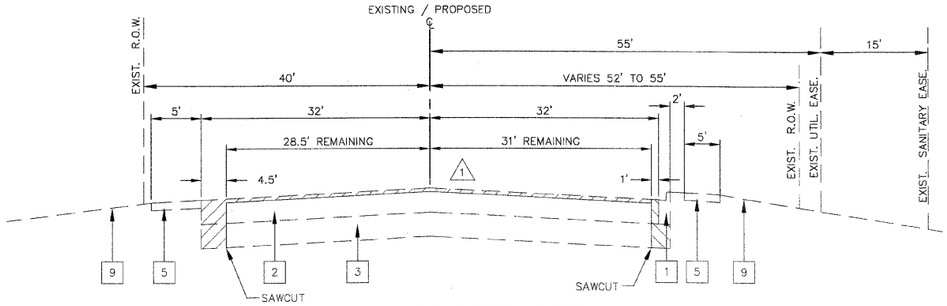
EXISTING TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 81+15 TO STA. 82+07

NOTES:

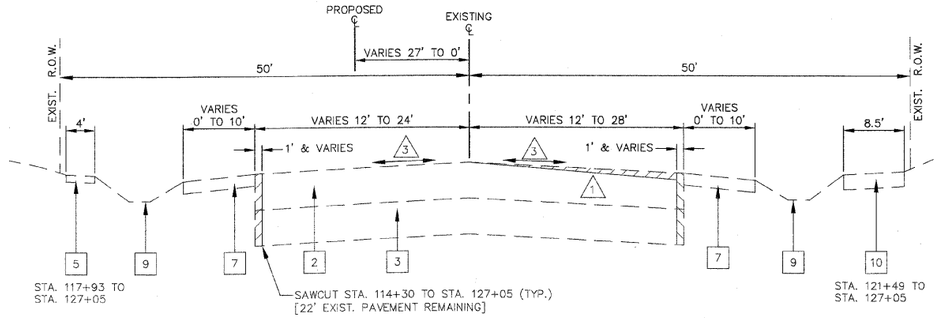
1. BITUMINOUS SURFACE REMOVAL
   STA. 81+15 TO STA. 83+70
   STA. 86+30 TO STA. 86+53 (RT)
   STA. 116+70 TO STA. 120+70 (RT)
   STA. 125+25 TO STA. 127+05 (RT)
   STA. 191+41 TO STA. 198+55.79
   STA. 204+70 TO STA. 208+59
2. STA. 81+15 TO STA. 81+33
3. EXISTING SUPERELEVATION (S.E.):
   STA. 108+88 TO STA. 112+78 MAX. S.E. = 3.65% (CURVE RT)
   STA. 117+14 TO STA. 121+49 MAX. S.E. = 4.63% (CURVE LT)
4. STA. 201+50 TO STA. 208+59

EXISTING TYPICAL SECTION LEGEND

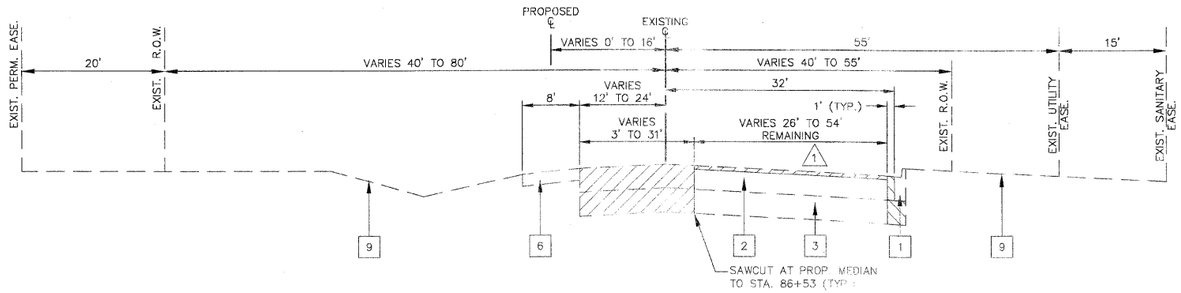
1	EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.12
2	EXISTING BITUMINOUS PAVEMENT ANNIE GLIDDEN ROAD: 9" & VARIES S. MALTA RD./TAYLOR ST.: 8" & VARIES
3	EXISTING AGGREGATE SUBBASE, 6" & VARIES
4	(NOT USED)
5	EXISTING SIDEWALK
6	EXISTING BITUMINOUS CONCRETE SHOULDERS
7	EXISTING AGGREGATE SHOULDERS
8	EXISTING CONCRETE RETAINING WALL
9	EXISTING GROUND
10	EXISTING BITUMINOUS PATH



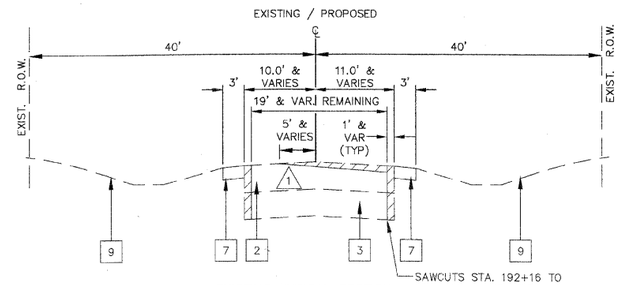
EXISTING TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 82+07 TO STA. 84+28



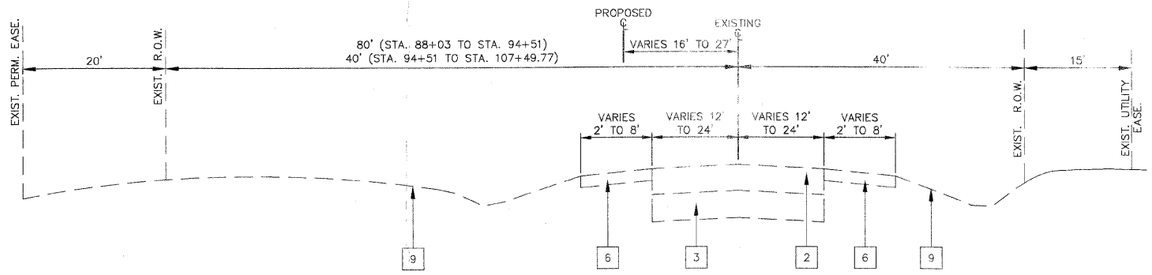
EXISTING TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 107+49.77 TO STA. 127+05



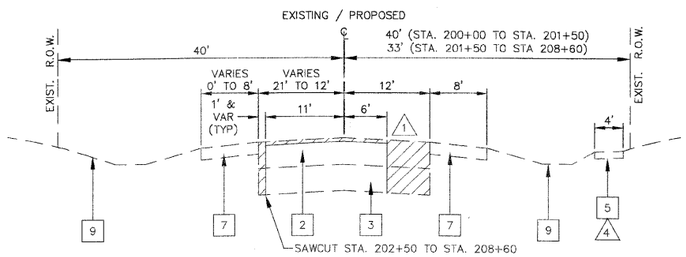
EXISTING TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 84+28 TO STA. 88+03



EXISTING TYPICAL SECTION
SOUTH MALTA ROAD
STA. 191+41 TO STA. 200+00



EXISTING TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 88+03 TO STA. 107+49.77



EXISTING TYPICAL SECTION
TAYLOR STREET
STA. 200+00 TO STA. 208+59

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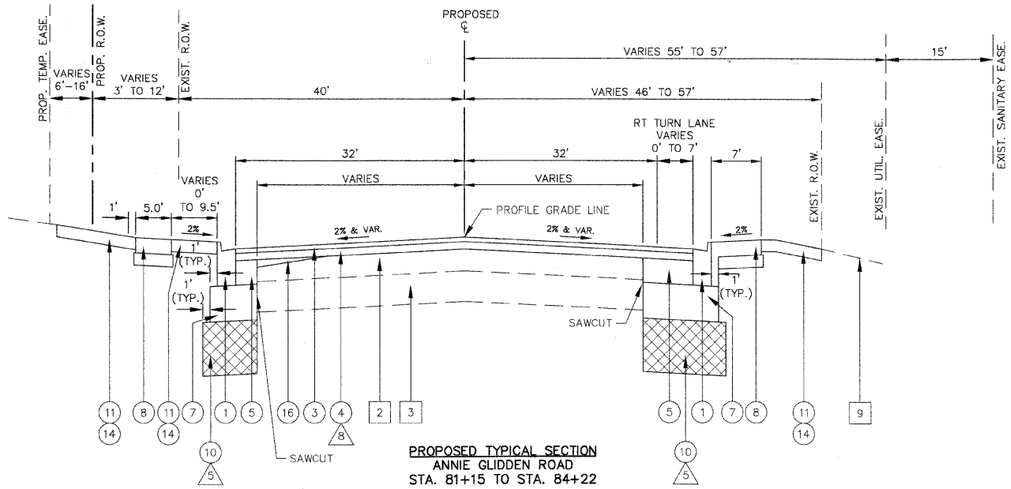
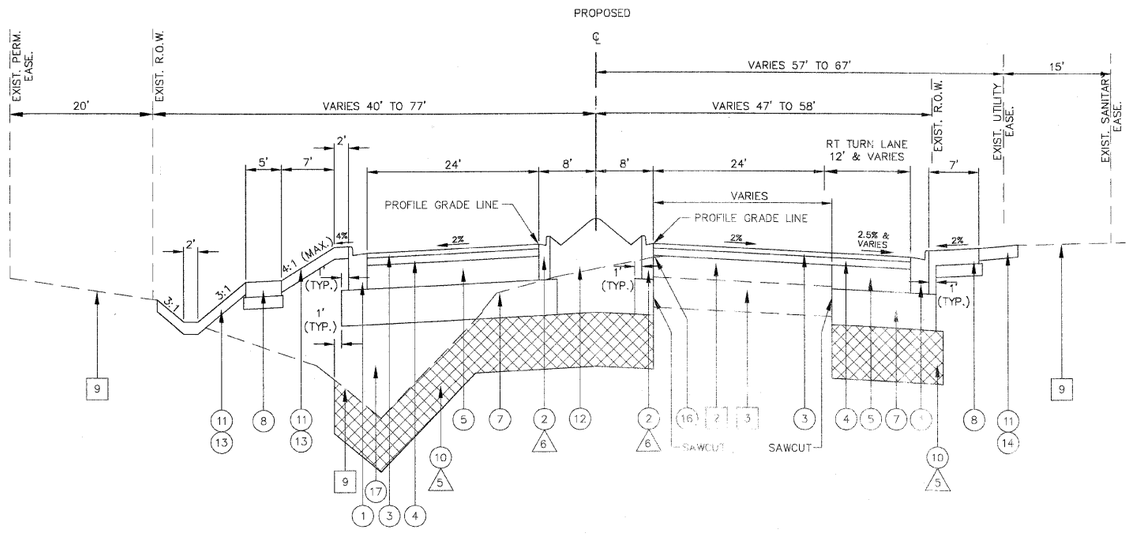
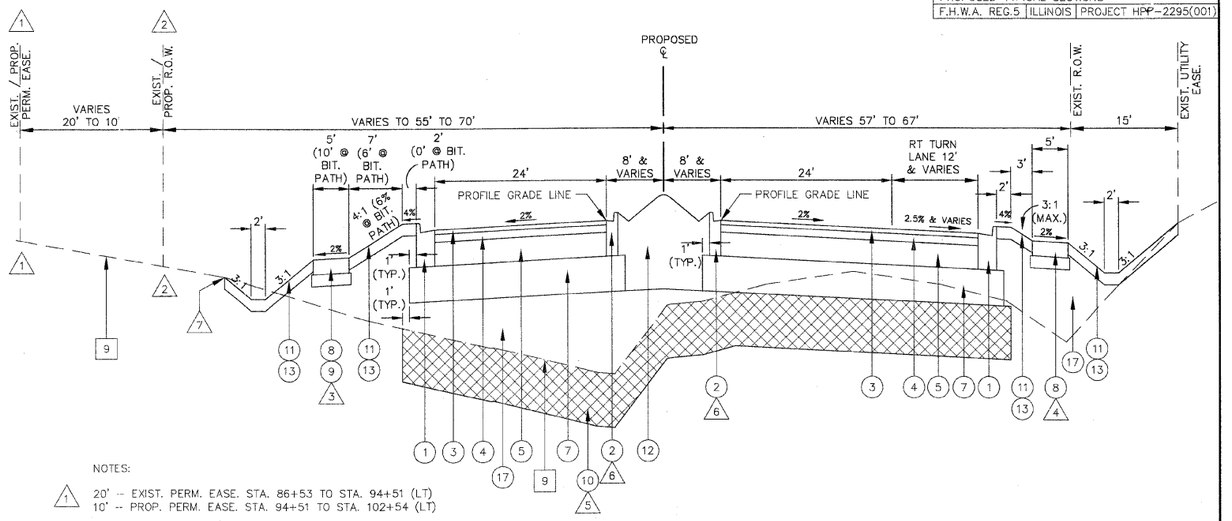
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	14
PROPOSED TYPICAL SECTIONS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



PROPOSED TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 81+15 TO STA. 84+22



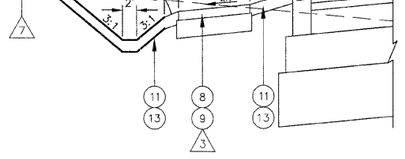
PROPOSED TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 84+22 TO STA. 86+53



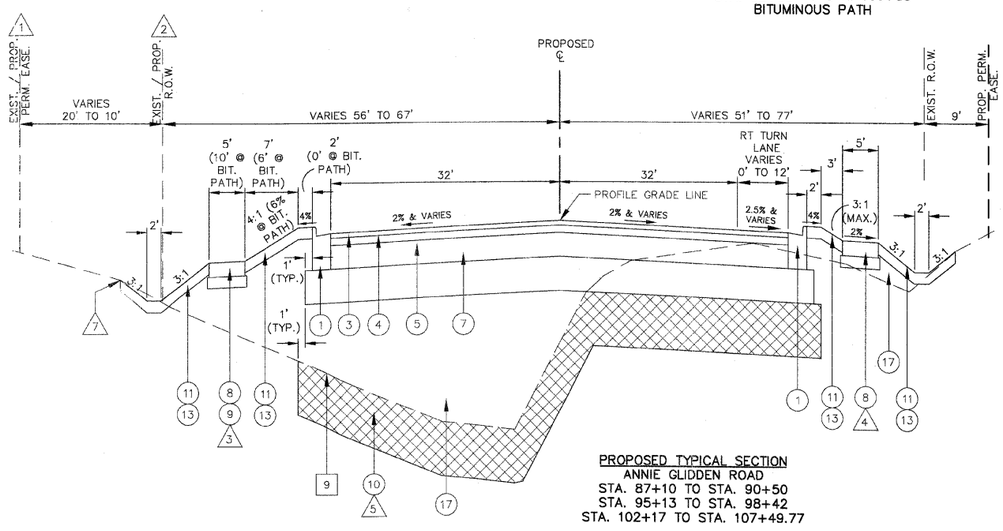
NOTES:

1. 20' -- EXIST. PERM. EASE. STA. 86+53 TO STA. 94+51 (LT)
   10' -- PROP. PERM. EASE. STA. 94+51 TO STA. 102+54 (LT)
2. EXIST. R.O.W. VARIES 70' TO 55' STA. 86+53 TO STA. 94+51 (LT)
   PROP. R.O.W. 55' STA. 94+51 TO STA. 102+54 (LT)
3. 5' PCC SIDEWALK STA. 86+53 TO STA. 92+63 (LT)
   10' STAB. BIT. PATH STA. 92+63 TO STA. 106+88 (LT)
   (SEE BITUMINOUS PATH TYPICAL SECTION)
4. NO SIDEWALK STA. 87+41 TO STA. 95+41 (RT)
5. UNDERCUT AND PGES LIMITS
   STA. 81+15 TO STA. 105+00
   STA. 108+00 TO STA. 116+50
   STA. 122+50 TO STA. 127+05
   STA. 192+16 TO STA. 194+00
   STA. 200+00 TO STA. 204+50
   SEE NEXT SHEET FOR UNDERCUT AND POROUS GRANULAR EMBANKMENT, SPECIAL DETAIL
6. GUTTER SLOPE FOR B-6.12 C & G TO BE 2% OUT TOWARD ROADWAY PAVEMENT
7. SEE COMPENSATORY STORAGE BASIN GRADING PLAN
   ANNIE GLIDDEN ROAD STA. 98+70 TO STA. 107+00 (LT)
   TAYLOR STREET STA. 200+50 TO STA. 204+35 (LT)
8. OMIT LIFT(S) OF BITUMINOUS CONCRETE BINDER COURSE, 2-1/2"
   STA. 81+15 TO STA. 83+00
   AND AT ALL BUTT JOINT LOCATIONS

PROPOSED TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 86+53 TO STA. 87+10
STA. 90+50 TO STA. 95+13
STA. 98+42 TO STA. 102+17



PROPOSED TYPICAL SECTION
STA. 92+63 TO STA. 106+88
BITUMINOUS PATH

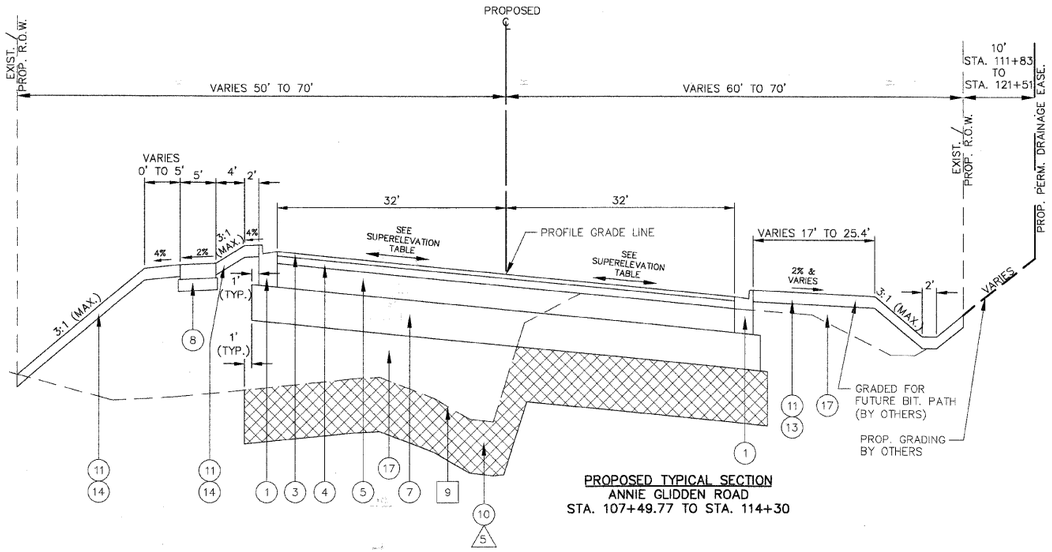


PROPOSED TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 87+10 TO STA. 90+50
STA. 95+13 TO STA. 98+42
STA. 102+17 TO STA. 107+49.77

PROPOSED TYPICAL SECTION ITEMS

- # — EXISTING ITEM TO REMAIN – SEE EXISTING TYPICAL SECTION LEGEND
- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (3) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1-1/2"
- (4) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 2-1/2"
- (5) BITUMINOUS BASE COURSE, SUPERPAVE, 8"
- (6) BITUMINOUS BASE COURSE, SUPERPAVE, 6"
- (7) AGGREGATE SUBGRADE, 12"
- (8) PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 3"
- (9) STABILIZED BITUMINOUS PATH
  BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 3";
  AGGREGATE BASE COURSE, TYPE B, 6"
- (10) POROUS GRANULAR EMBANKMENT, SPECIAL 18" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (11) TOPSOIL PLACEMENT, 4"
- (12) TOPSOIL PLACEMENT, 24" (LANDSCAPED MEDIAN – SEE MEDIAN LANDSCAPING DETAILS)
- (13) SEEDING CLASS 2A
  (SEE LANDSCAPING PLAN FOR SEEDING LIMITS)
- (14) SODDING, SALT TOLERANT
  (SEE LANDSCAPING PLAN FOR SODDING LIMITS)
- (15) AGGREGATE SHOULDERS, TYPE B, 8"
- (16) LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70
- (17) EMBANKMENT

F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87330	DEKALB	140	15
	STATE SECTION 05-00160-00-WR			
PROPOSED TYPICAL SECTIONS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

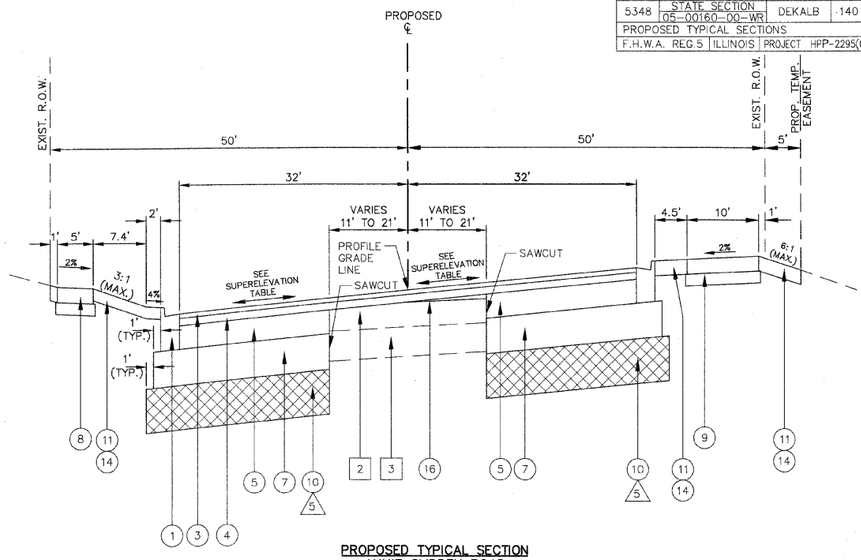


PROPOSED TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 107+49.77 TO STA. 114+30

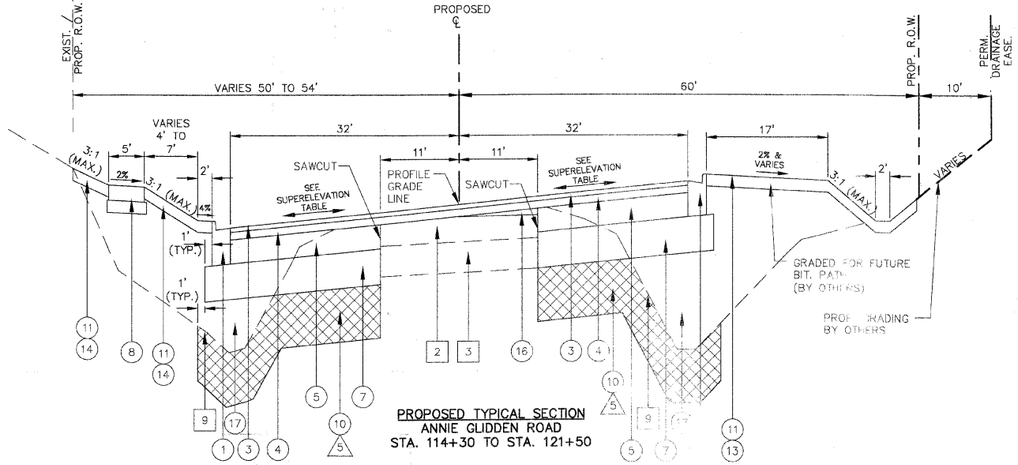
NOTES:

5 UNDERCUT AND PCES LIMITS
STA. 81+15 TO STA. 105+00
STA. 108+00 TO STA. 116+50
STA. 122+50 TO STA. 127+05
STA. 192+16 TO STA. 194+00
STA. 200+00 TO STA. 204+50
SEE BELOW FOR UNDERCUT AND POROUS GRANULAR EMBANKMENT, SPECIAL DETAIL

8 OMIT LIFT(S) OF BITUMINOUS CONCRETE BINDER COURSE, 2-1/2" STA. 81+15 TO STA. 83+00 AND AT ALL BUTT JOINT LOCATIONS

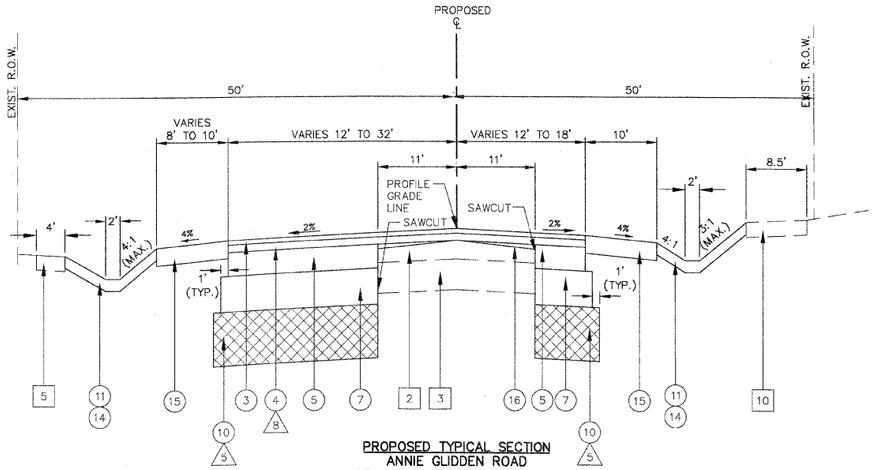


PROPOSED TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 121+50 TO STA. 124+65

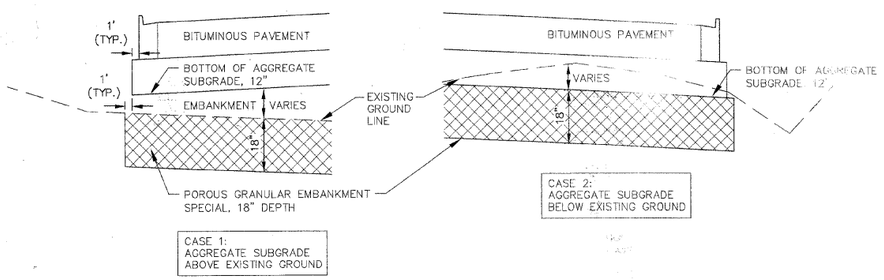


PROPOSED TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 114+30 TO STA. 121+50

SUPERELEVATION TRANSITION CURVE 3 / CURVE 4		
STA.	SLOPE LT	SLOPE RT
106+90	2.00%	2.00%
107+30	1.00%	1.00%
107+85	1.00%	1.00%
108+25	0.00%	1.00%
108+65	-1.00%	1.00%
109+85	-3.85%	3.85%
112+10	-3.85%	3.85%
113+10	-1.50%	1.50%
113+70	0.00%	1.50%
114+30	1.50%	1.50%
115+65	1.50%	1.50%
116+25	1.50%	0.00%
116+85	1.50%	-1.50%
117+55	3.11%	-3.11%
122+35	3.11%	-3.11%
122+85	2.00%	-2.00%
123+65	2.00%	0.00%
124+45	2.00%	2.00%
NOTE: SLOPE IS (+) AS DOWN FROM C.L.		



PROPOSED TYPICAL SECTION
ANNIE GLIDDEN ROAD
STA. 124+65 TO STA. 127+05



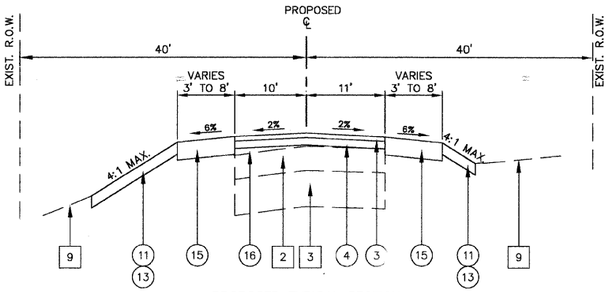
UNDERCUT AND POROUS GRANULAR EMBANKMENT, SPECIAL DETAIL

PROPOSED TYPICAL SECTION ITEMS

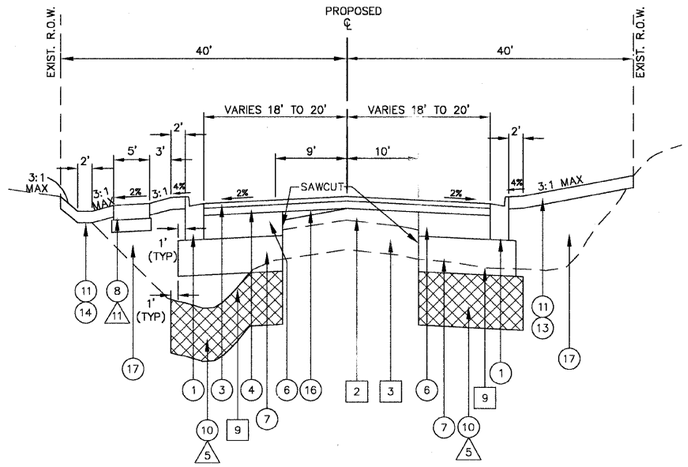
- # EXISTING ITEM TO REMAIN – SEE EXISTING TYPICAL SECTION LEGEND
- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (3) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1-1/2"
- (4) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 2-1/2"
- (5) BITUMINOUS BASE COURSE, SUPERPAVE, 8"
- (6) BITUMINOUS BASE COURSE, SUPERPAVE, 6"
- (7) AGGREGATE SUBGRADE, 12"
- (8) PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 3"
- (9) STABILIZED BITUMINOUS PATH BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 3"; AGGREGATE BASE COURSE, TYPE B, 6"
- (10) POROUS GRANULAR EMBANKMENT, SPECIAL 18" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (11) TOPSOIL PLACEMENT, 4"
- (12) TOPSOIL PLACEMENT, 24" (LANDSCAPED MEDIAN – SEE MEDIAN LANDSCAPING DETAILS)
- (13) SEEDING CLASS 2A (SEE LANDSCAPING PLAN FOR SEEDING LIMITS)
- (14) SODDING, SALT TOLERANT (SEE LANDSCAPING PLAN FOR SODDING LIMITS)
- (15) AGGREGATE SHOULDERS, TYPE B, 8"
- (16) LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70
- (17) EMBANKMENT

March 17, 2005 10:16:32 a.m.
D:\LD 2004\(3030187)DWG\TYPICAL SECTIONS.DWG

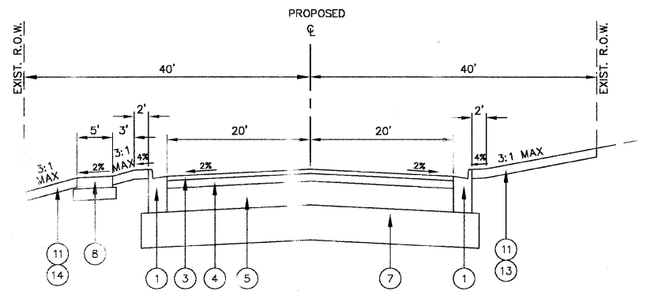
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	16
PROPOSED TYPICAL SECTIONS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



PROPOSED TYPICAL SECTION
SOUTH MALTA ROAD
STA. 191+41 TO STA. 192+16



PROPOSED TYPICAL SECTION
SOUTH MALTA ROAD
STA. 192+16 TO STA. 198+55.79



PROPOSED TYPICAL SECTION
SOUTH MALTA ROAD
STA. 198+55.79 TO STA. 200+00

PAVEMENT DESIGN INFORMATION

ANNIE GLIDDEN ROAD

CLASS I ROAD

2015 ADT 19150

STRUCTURAL DESIGN TRAFFIC

PV 18385 (96%)
SU 190 (1%)
MU 575 (3%)

PAVEMENT DESIGN

SSR POOR
TF 2.75
AC 20 (PG 64-22)
AC MIX TEMP 78°F
MODULUS 600 KSI
AC MICROSTRAIN 76
PAVEMENT THICKNESS REQUIRED 11-3/4"
PAVEMENT THICKNESS PROVIDED 12"

SOUTH MALTA ROAD / TAYLOR STREET

CLASS II ROAD

2015 ADT 9560

STRUCTURAL DESIGN TRAFFIC

PV 9180 (96%)
SU 190 (2%)
MU 190 (2%)

PAVEMENT DESIGN

SSR POOR
TF 0.96
AC 20 (PG 64-22)
AC MIX TEMP 78°F
MODULUS 600 KSI
AC MICROSTRAIN 108
PAVEMENT THICKNESS REQUIRED 9-3/4"
PAVEMENT THICKNESS PROVIDED 10"

NOTES:

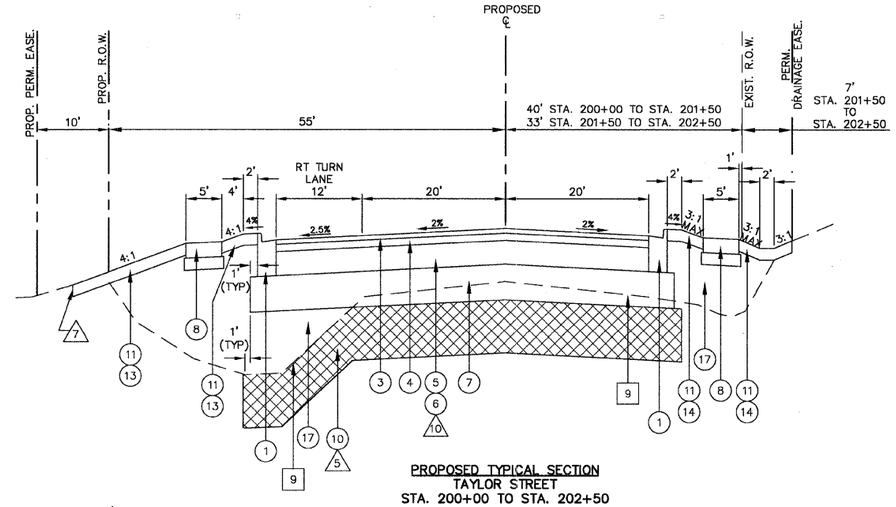
△5 UNDERCUT AND PGES LIMITS
STA. 81+15 TO STA. 105+00
STA. 108+00 TO STA. 116+50
STA. 122+50 TO STA. 128+50
STA. 192+16 TO STA. 194+00
STA. 200+00 TO STA. 204+50
SEE SHEET 15 FOR UNDERCUT AND POROUS GRANULAR EMBANKMENT, SPECIAL DETAIL

△7 SEE SHEET 31 FOR COMPENSATORY STORAGE BASIN GRADING PLAN
ANNIE GLIDDEN ROAD STA. 98+70 TO STA. 107+00 (LT)
TAYLOR STREET STA. 200+50 TO STA. 204+35 (RT)

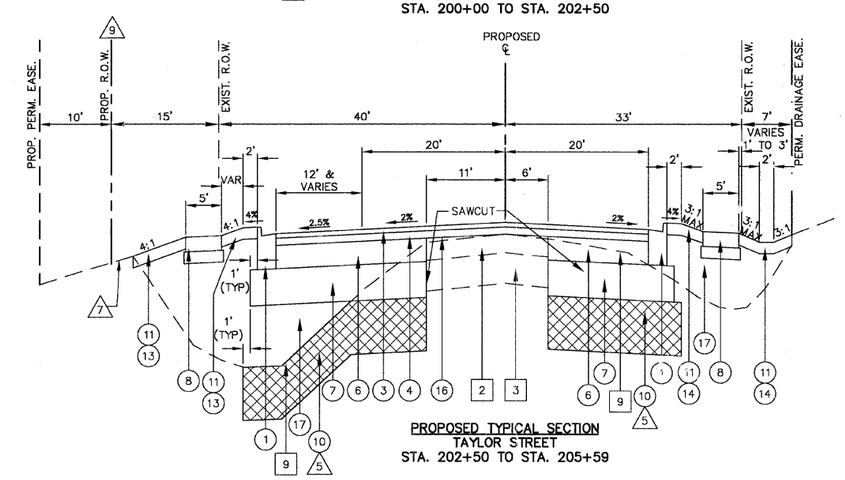
△9 PROP. ROW AND PROP. PERM EASE. FROM STA. 200+00 TO STA. 204+35 (RT)

△10 8" BIT. BASE COURSE STA. 200+00 TO STA. 201+55.50
6" BIT. BASE COURSE STA. 201+55.50 TO STA. 202+50

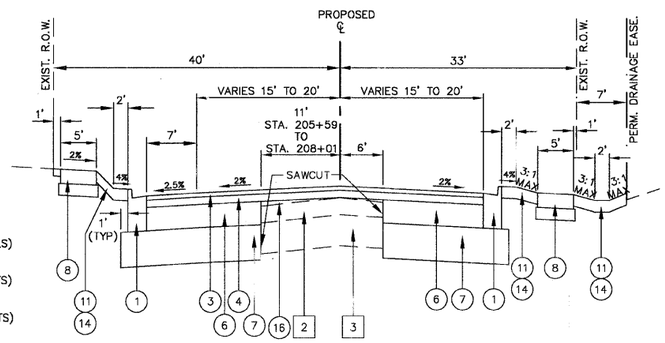
△11 STA. 193+54 TO STA. 198+55.79



PROPOSED TYPICAL SECTION
TAYLOR STREET
STA. 200+00 TO STA. 202+50



PROPOSED TYPICAL SECTION
TAYLOR STREET
STA. 202+50 TO STA. 205+59



PROPOSED TYPICAL SECTION
TAYLOR STREET
STA. 205+59 TO STA. 208+59

#	EXISTING ITEM TO REMAIN – SEE EXISTING TYPICAL SECTION LEGEND
(1)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
(2)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(3)	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1-1/2"
(4)	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 2-1/2"
(5)	BITUMINOUS BASE COURSE, SUPERPAVE, 8"

PROPOSED TYPICAL SECTION ITEMS

(6)	BITUMINOUS BASE COURSE, SUPERPAVE, 6"
(7)	AGGREGATE SUBGRADE, 12"
(8)	PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 3"
(9)	STABILIZED BITUMINOUS PATH BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 3" AGGREGATE BASE COURSE, TYPE B, 6"
(10)	POROUS GRANULAR EMBANKMENT, SPECIAL 18" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
(11)	TOPSOIL PLACEMENT, 4"
(12)	TOPSOIL PLACEMENT, 24" (LANDSCAPED MEDIAN – SEE MEDIAN LANDSCAPING DETAILS)
(13)	SEEDING, CLASS 2A (SEE LANDSCAPING PLAN FOR SEEDING LIMITS)
(14)	SODDING, SALT TOLERANT (SEE LANDSCAPING PLAN FOR SODDING LIMITS)
(15)	AGGREGATE SHOULDERS, TYPE B, 8"
(16)	LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70
(17)	EMBANKMENT

January 04, 2006 1:08:12 p.m.
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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	17
STAGING NOTES AND TYPICAL SECTIONS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

CONSTRUCTION STAGING SEQUENCE

INSTALL CHANGEABLE MESSAGE SIGNS (4 TOTAL) ON NORTHBOUND AND SOUTHBOUND ANNIE GLIDDEN ROAD, WESTBOUND TAYLOR STREET AND EASTBOUND SOUTH MALTA ROAD TWO WEEKS PRIOR TO COMMENCEMENT OF WORK TO NOTIFY THE MOTORING PUBLIC CONCERNING THE UPCOMING ROADWAY CONSTRUCTION. WORK ZONE 30 MPH CONSTRUCTION SPEED LIMIT SIGNS SHALL BE POSTED ON ANNIE GLIDDEN ROAD THROUGHOUT CONSTRUCTION. INFORMATIONAL WARNING SIGNS FOR NARROW TRAVEL LANES (10'-0") SHALL BE INSTALLED 500' IN ADVANCE OF THE PROJECT LIMITS ON ANNIE GLIDDEN ROAD, SOUTH MALTA ROAD, AND TAYLOR STREET. THE CONTRACTOR SHALL PROVIDE AND INSTALL FOUR (4) INFORMATIONAL WARNING SIGNS INDICATING "ROAD CONSTRUCTION AHEAD" (48"x48") WITH "ANNIE GLIDDEN ROAD" (30"x24") THROUGHOUT CONSTRUCTION AT THE FOLLOWING LOCATIONS:

1. ON ANNIE GLIDDEN ROAD NORTH OF IL. ROUTE 38
2. ON ANNIE GLIDDEN ROAD SOUTH OF FAIRVIEW DRIVE
3. ON TAYLOR STREET EAST OF SOUTH FIRST STREET
4. ON S. MALTA ROAD WEST OF KNOLLS STREET

THE CONTRACTOR SHALL PROVIDE, INSTALL AND RELOCATE AS NECESSARY THROUGHOUT CONSTRUCTION THREE (3) TEMPORARY INFORMATIONAL SIGNS WHICH INDICATE "RESOURCE BANK ENTRANCE OPEN AHEAD". THE SIGNS SHALL BE POSITIONED AS DESIGNED BY THE ENGINEER.

STAGE 1 CONSTRUCTION

REMOVE EXISTING TRAFFIC SIGNALS AND INSTALL TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTION OF ANNIE GLIDDEN ROAD AND TAYLOR STREET.

REMOVE EXISTING MEDIAN AND INSTALL PAVEMENT PATCH ON ANNIE GLIDDEN ROAD AT THE NORTH END OF THE PROJECT.

ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER STAGE 1 PLAN AND APPLICABLE IDOT STANDARDS.

INSTALL TEMPORARY EROSION CONTROL DEVICES PER STAGE 1 PLAN AND APPLICABLE DETAILS.

CONSTRUCT TEMPORARY SEDIMENT TRAP EAST OF ANNIE GLIDDEN ROAD.

CONSTRUCT COMPENSATORY STORAGE BASIN TO ACCEPT PROPOSED STORM SEWER DRAINAGE FLOWS. ESTABLISH STOCKPILING LOCATIONS WITHIN BASIN FOR TOPSOIL AND EMBANKMENT.

EXTEND THE SOUTHERLY EXISTING CULVERT AT STA. 97+88 TO THE EAST PRIOR TO CONSTRUCTION OF THE EAST HALF OF THE BOX CULVERTS AT STA. 97+50.

CONSTRUCT STORM SEWER AND WATER MAIN APPURTENANCES WITHIN STAGE 1.

CONSTRUCT CURB AND GUTTER AND MEDIANS WITHIN STAGE 1.

CONSTRUCT BITUMINOUS PAVEMENT TO BINDER ELEVATION.

COMMENCE CONSTRUCTION OF PROPOSED TRAFFIC SIGNALS.

INSTALL TEMPORARY SEEDING THROUGHOUT STAGE 1 AS REQUIRED.

STAGE 1A CONSTRUCTION

(WILL REQUIRE CLOSING TAYLOR STREET TO TRAFFIC FOR TWO DAYS)

INSTALL CHANGEABLE MESSAGE SIGNS (4 TOTAL) ON NORTHBOUND AND SOUTHBOUND ANNIE GLIDDEN ROAD, WESTBOUND TAYLOR STREET AND EASTBOUND SOUTH MALTA ROAD ONE WEEK PRIOR TO CLOSING TAYLOR STREET FOR ROADWAY CONSTRUCTION.

ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER STAGE 1A PLAN AND DETOUR.

CONSTRUCT BITUMINOUS PAVEMENT TO BINDER ELEVATION.

STAGE 2A CONSTRUCTION
(WILL REQUIRE CLOSING SOUTH MALTA ROAD TO TRAFFIC FOR TWO DAYS)

MODIFY CHANGEABLE MESSAGE SIGNS TO NOTIFY MOTORING PUBLIC OF SOUTH MALTA ROAD CLOSURE FOR ROADWAY CONSTRUCTION. CHANGING THE MESSAGE AND RELOCATING THE CHANGEABLE MESSAGE SIGNS WILL BE INCLUDED IN THE COST OF THE CHANGEABLE MESSAGE SIGN.

ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER STAGE 2A PLAN AND DETOUR.

ADJUST TEMPORARY TRAFFIC SIGNAL HEADS TO FUNCTION WITH THE NEW LANE CONFIGURATION.

CONSTRUCT BITUMINOUS PAVEMENT TO BINDER ELEVATION.

STAGE 2 CONSTRUCTION

ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER STAGE 2 PLAN AND APPLICABLE IDOT STANDARDS.

INSTALL TEMPORARY EROSION CONTROL DEVICES PER STAGE 2 PLAN AND APPLICABLE DETAILS.

CONSTRUCT THE WEST HALF OF THE BOX CULVERTS AND HEADWALLS AT STA. 97+50.

CONSTRUCT STORM SEWER AND WATER MAIN APPURTENANCES WITHIN STAGE 2.

CONSTRUCT CURB AND GUTTER AND MEDIANS WITHIN STAGE 2.

CONSTRUCT BITUMINOUS PAVEMENT TO BINDER ELEVATION.

CONTINUE CONSTRUCTION OF PROPOSED TRAFFIC SIGNALS.

INSTALL TEMPORARY SEEDING THROUGHOUT STAGE 2 AS REQUIRED.

STAGE 3 CONSTRUCTION

ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER STAGE 3 PLAN AND APPLICABLE IDOT STANDARDS.

ADJUST TEMPORARY TRAFFIC SIGNAL HEADS TO FUNCTION WITH THE NEW LANE CONFIGURATION.

COMPLETE CONSTRUCTION OF MEDIANS.

COMPLETE FINAL PAVEMENT SURFACE COURSE, PAVEMENT MARKING AND SIGNING.

COMPLETE CONSTRUCTION OF PROPOSED TRAFFIC SIGNALS AND INTERCONNECT.

COMPLETE LANDSCAPE RESTORATION.

CONSTRUCTION STAGING TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, CONTRACT SPECIAL PROVISIONS, CONSTRUCTION STAGING AND DETOUR PLANS, AND AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL SHOWN IN THE CONSTRUCTION STAGING PLAN REPRESENTS A GUIDE FOR THE SAFE MANAGEMENT OF TRAFFIC DURING THE EXECUTION OF THE WORK. MODIFICATIONS MAY BE NECESSARY DUE TO LOCAL CONDITIONS AT THE TIME OF CONSTRUCTION. ANY PROPOSED CHANGES BY THE CONTRACTOR TO THESE TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING IMPLEMENTED. ANY MODIFICATIONS OR ADDITIONS REQUIRED BY THE ENGINEER WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, SPECIAL, UNLESS A SEPARATE PAY ITEM HAS BEEN ESTABLISHED FOR THE WORK.

2. ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS WHICH CONFLICT WITH MARKINGS REQUIRED FOR A GIVEN CONSTRUCTION STAGE SHALL BE REMOVED ACCORDING TO SECTION 783 OF THE STANDARD SPECIFICATIONS.

3. ANNIE GLIDDEN ROAD, TAYLOR STREET AND SOUTH MALTA ROAD SHALL HAVE A MINIMUM OF ONE THROUGH LANE OPEN IN EACH DIRECTION AT ALL TIMES, EXCEPT AS NOTED HEREIN OR APPROVED BY THE ENGINEER.

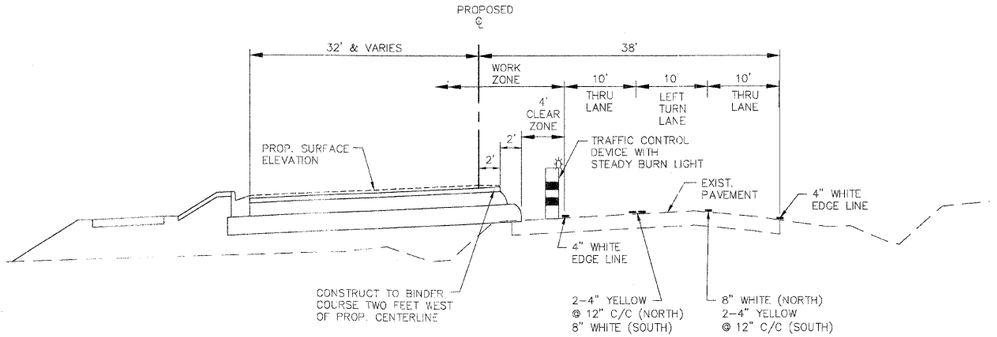
4. ACCESS TO ADJACENT PROPERTIES AND SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS NOTED HEREIN OR APPROVED BY THE ENGINEER.

5. A MINIMUM OF ONE (1) COMMERCIAL ENTRANCE TO RESOURCE BANK, AT THE NORTHWEST CORNER OF S. MALTA ROAD AND ANNIE GLIDDEN ROAD, SHALL REMAIN OPEN TO TRAFFIC AND BE CLEARLY SIGNED THROUGHOUT ALL STAGES OF CONSTRUCTION AND ALL DETOUR ROUTES.

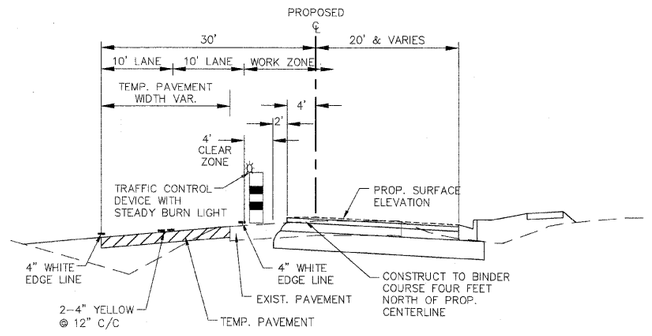
6. PERMANENT TRAFFIC SIGNAL WORK MAY PROCEED DURING ANY CONSTRUCTION STAGE AS LONG AS THAT WORK DOES NOT INTERFERE WITH WORK REQUIRED IN THAT PARTICULAR STAGE OR SUBSEQUENT STAGES.

7. TEMPORARY PAVEMENT MARKING APPLIED TO FINAL PAVEMENT SURFACES AND EXISTING PAVEMENT SURFACES TO REMAIN SHALL BE PAVEMENT MARKING TAPE, TYPE III.

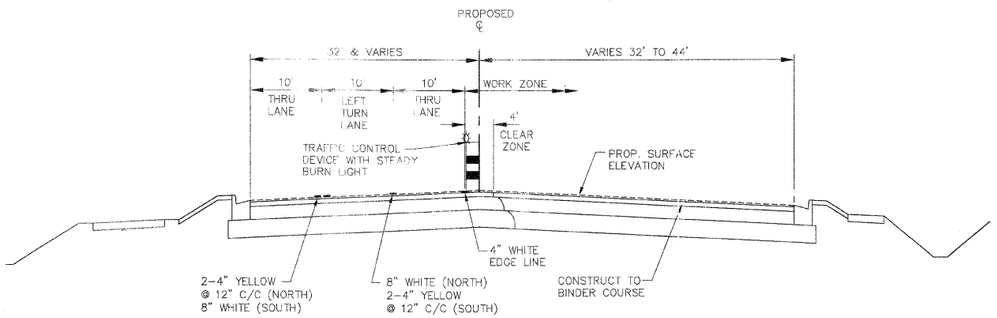
8. PLATING AND/OR DRAINAGE STRUCTURE ADJUSTMENTS MAY BE REQUIRED DUE TO THE STAGING OF CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL.



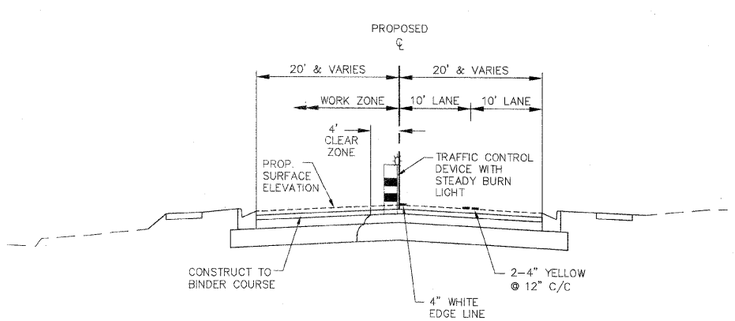
ANNIE GLIDDEN ROAD
STAGE 1 CONSTRUCTION
TYPICAL SECTION
STA 105+00 TO STA 109+30



TAYLOR STREET
SOUTH MALTA ROAD
STAGE 1 CONSTRUCTION
TYPICAL SECTION
STA 198+50 TO STA 202+50



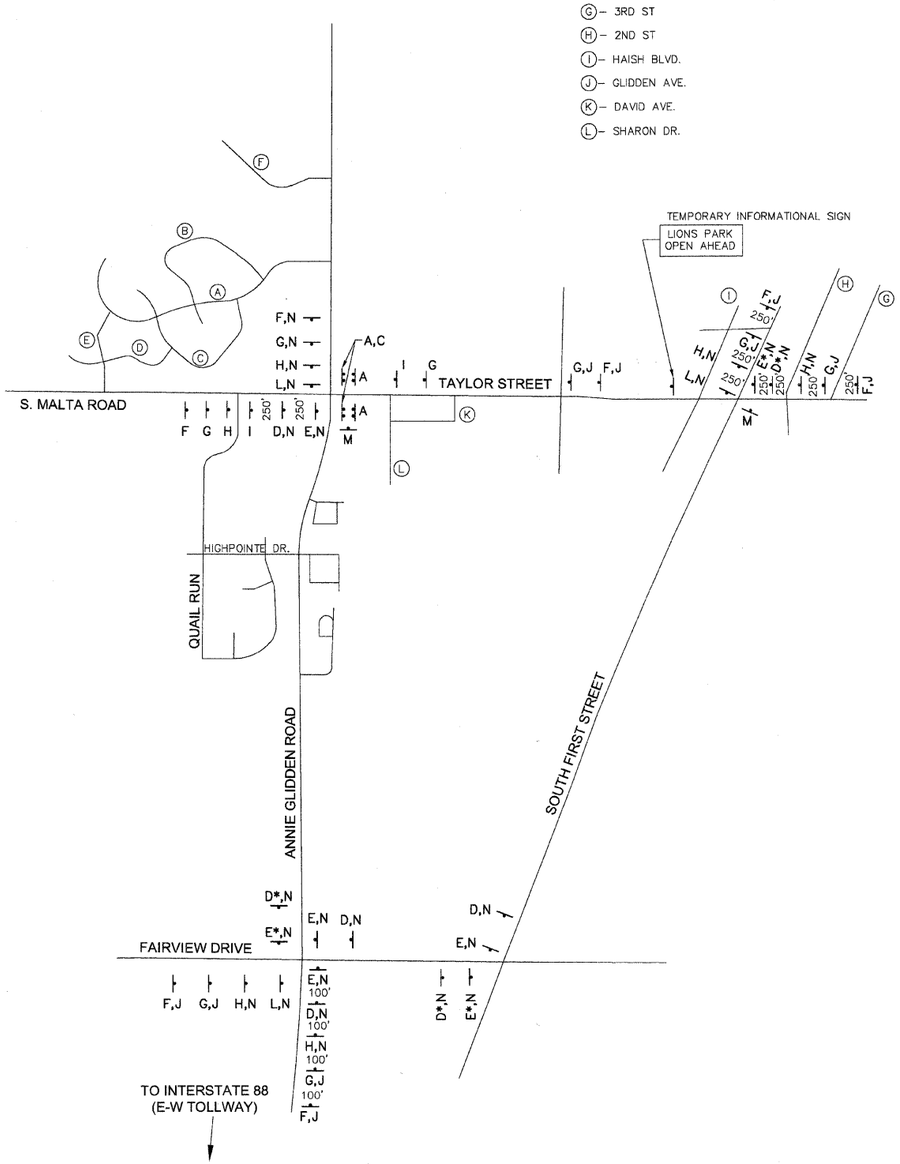
ANNIE GLIDDEN ROAD
STAGE 2 CONSTRUCTION
TYPICAL SECTION
STA 105+00 TO STA 109+30



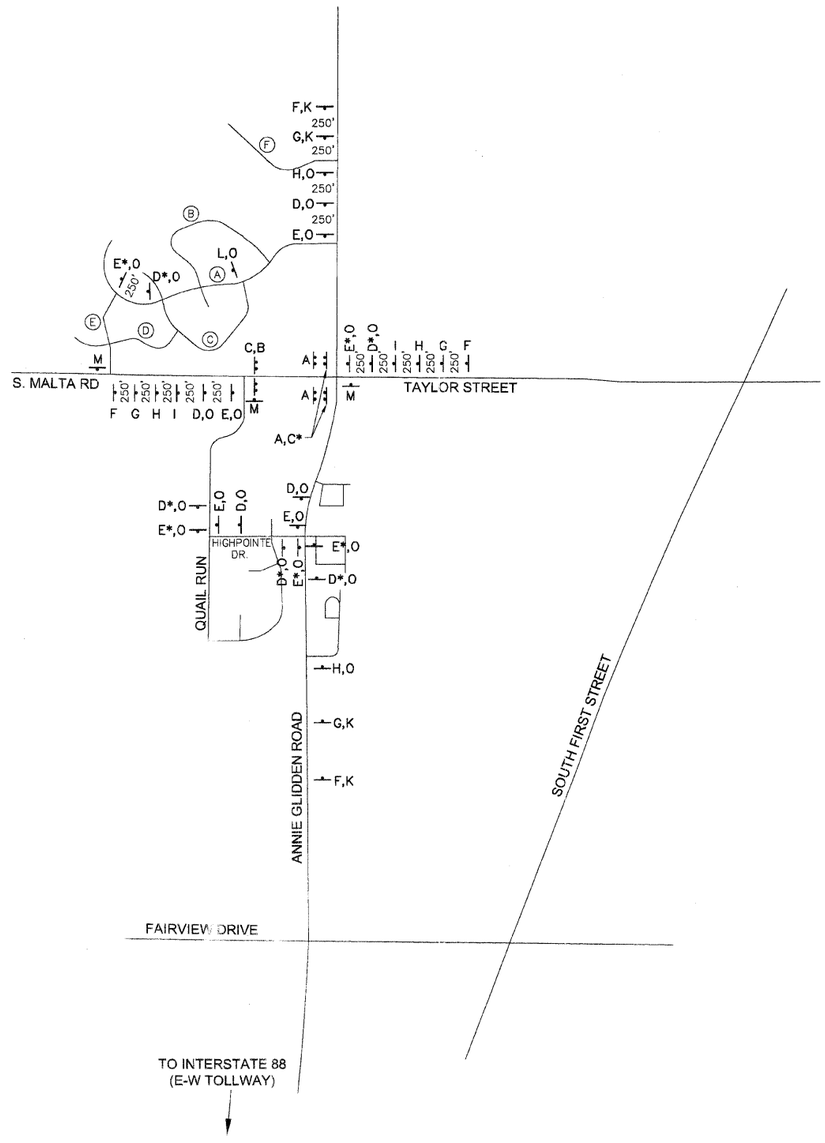
TAYLOR STREET
SOUTH MALTA ROAD
STAGE 2 CONSTRUCTION
TYPICAL SECTION
STA 198+50 TO STA 202+50

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	18
DETOUR PLAN				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

(A) – KNOLLS AVENUE SOUTH
(B) – MASON STREET
(C) – PLUM STREET
(D) – WALNUT STREET
(E) – KNOLLS STREET
(F) – KNOLLS AVENUE NORTH
(G) – 3RD ST
(H) – 2ND ST
(I) – HAISH BLVD.
(J) – GLIDDEN AVE.
(K) – DAVID AVE.
(L) – SHARON DR.



STAGE 1A DETOUR
(TAYLOR STREET CLOSED ON EAST SIDE OF ANNIE GLIDDEN ROAD)



STAGE 2A DETOUR
(S. MALTA ROAD CLOSED ON WEST SIDE OF ANNIE GLIDDEN ROAD)

NOTE: SIGN SPACING = 500 FEET (TYP), UNLESS NOTED OTHERWISE OR AS DIRECTED BY THE ENGINEER.

DETOUR PLAN LEGEND

G,J — SIGN DESCRIPTION (SEE BELOW)
— SIGN
— TYPE III BARRICADE WITH 2 HIGH INTENSITY WARNING LIGHTS & SIGNS AS NOTED

A — ROAD CLOSED — R11-2, 48" X 30"
B — ROAD CLOSED TO THRU TRAFFIC — R11-4, 60" X 30"
C — DETOUR — M4-10(R&L), 48" X 18"
D — DETOUR — M4-9(R&L), 30" X 30"
E — DETOUR — M4-9(R&L), 30" X 24"
SIGNS C, D & E POINT TO THE RIGHT UNLESS NOTED WITH AN "*" = LEFT

F — ROAD CONSTRUCTION AHEAD — W20-1, 48" X 48" WITH HIGH INTENSITY LIGHT & 18"X 18" ORANGE FLAG
G — ROAD CLOSED AHEAD — W20-3, 48" X 48" WITH HIGH INTENSITY LIGHT & 18"X 18" ORANGE FLAG
H — DETOUR AHEAD — W20-2, 48" X 48" WITH HIGH INTENSITY LIGHT & 18"X 18" ORANGE FLAG
I — ROAD CLOSED 500 FEET — W20-3, 48" X 48" WITH HIGH INTENSITY LIGHT & 18"X 18" ORANGE FLAG

J — TAYLOR ST AT ANNIE GLIDDEN RD — 48" X 24"
K — S MALTA RD AT ANNIE GLIDDEN RD — 48" X 24"
L — DETOUR — M4-9, 30" X 30"
M — END DETOUR — M4-8a, 24" X 18"
N — TAYLOR ST — 30" X 24"
O — S MALTA RD — 30" X 24"

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F.A.U. ROUTE	Contract 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	19
CONSTRUCTION STAGING PLAN – STAGE 1				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

PAVEMENT MARKING TAPE, TY III

TEMPORARY PAVEMENT MARKINGS

EXISTING PERMANENT EASEMENT

EXIST. ROW

PROP. ROW

WIDEN & RESURFACE

FULL RECONSTRUCTION

+15 7.58' LT

+15 7.58' RT

25:1 TAPER

CURVE NO. 1

PROVIDE AND MOUNT SIGN TO TYPE III BARRICADE

BIKE PATH CLOSED

78+00 79+00 80+00 81+00 82+00 83+00 84+00 85+00 86+00 87+00 88+00 89+00 90+00 91+00 92+00 93+00 94+00

80+00 BEGIN MERGE TAPER

RAISED MEDIAN TO BE REMOVED AND REPLACED WITH CLASS D PATCH, 12" PRIOR TO STAGE 1 CONSTRUCTION. (USE STANDARD FOR TRAFFIC CONTROL)

2-4" YELLOW @ 12" C/C

12" YELLOW DIAGONAL @ 20' C/C

CURVE NO. 1
R = 4300'
L = 250'
PI = 85+70, 18' RT.
PC = 84+45, 8.5' RT.
PT = 86+95, 22.2' RT.

TANGENT SOUTHBOUND 86+03.5 18' RT.

91+25 26' RT

2-4" YELLOW @ 12" C/C (TYP)

4" WHITE (TYP)

MATCH LINE STA. 94+00 SEE BELOW LEFT

SCALE: 1" = 50'

ANNIE GLIDDEN ROAD

KNOLLS AVE. NORTH

MATCH LINE STA. 94+50 SEE ABOVE RIGHT

APPROXIMATELY 46' 54" EQRS CORRUGATED STEEL PIPE ARCH TY2 (2 2/3" x 1/2") SLOPE TO DRAIN. REMOVE AFTER COMPLETION OF NORTH BOX CULVERT IN STAGE 2

EXCAVATE TO DRAIN

60' BEND STA. 97+89, 52' LT REMOVE AFTER COMPLETION OF NORTH BOX CULVERT IN STAGE 2

APPROXIMATELY 54' 54" EQRS CORRUGATED STEEL PIPE ARCH TY2 (2 2/3" x 1/2") TO REMAIN. SLOPE TO DRAIN. FILL WITH CONTROLLED LOW STRENGTH MATERIAL AFTER COMPLETION OF NORTH BOX CULVERT IN STAGE 2

REMOVE EXIST. FES AND CONNECT PROP. CULVERT TO EXIST. CULVERT

EXTEND EXISTING SOUTH CULVERT AS SHOWN PRIOR TO CONSTRUCTION OF PROPOSED BOX CULVERTS TO MAINTAIN DRAINAGE FLOW

TEMP CONC. BARRIER END STA. 96+00

TEMP. IMPACT ATTENUATOR

TEMP. CONC. BARRIER END STA. 100+00

TEMP IMPACT ATTENUATOR

95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00

102+00 26' RT

105+00 18' RT

109+30 18' RT

2-4" YELLOW @ 12" C/C (TYP)

4" WHITE (TYP)

8" WHITE SKIP-DASH (2' DASH, 4' GAP)

2-4" YELLOW @ 12" C/C

8" WHITE

8" WHITE LETTERS & SYMBOLS (TYP)

24" WHITE STOP BAR (TYP)

4" WHITE

EXISTING ROW

MATCH LINE STA. 111+00 SEE SHEET NO. 20

EXIST. ROW

SCALE: 1" = 50'

ANNIE GLIDDEN ROAD

KNOLLS AVE. SOUTH

TAYLOR ST.

MATCH LINE STA. 201+50 SEE SHEET NO. 20

2-4" YELLOW @ 12" C/C

4" WHITE

40'R (TYP)

8" WHITE (TYP)

MATCH LINE STA. 198+50 SEE SHEET NO. 20

S. MALTA RD.

NOTE:
A LUMP SUM QUANTITY FOR TEMPORARY PIPE CULVERT IS INCLUDED FOR CHANNELING WATER FLOW AT THE LOCATION OF PROPOSED BOX CULVERT CONSTRUCTION AS SHOWN IN THIS PLAN, AND FILLING PIPE TO REMAIN BENEATH THE PROPOSED ROADWAY. ADDITIONAL MEASURES FOR DIVERTING WATER AT THIS LOCATION OR DEWATERING THE SITE MAY BE REQUIRED AND SHALL BE INCLUDED IN THE COST OF THE CONTRACT, IN ACCORDANCE WITH ARTICLE 540.04 OF THE STANDARD SPECIFICATIONS.

STAGE 1

CONSTRUCTION STAGING LEGEND

- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH STEADY BURN LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS
- WORK ZONE
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE

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March 17, 2006 9:16:08 a.m.

F.A.U. ROUTE	Contract 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	20
CONSTRUCTION STAGING PLAN – STAGE 1				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

NOTE:
ALL CONSTRUCTION ACTIVITIES THAT MAY DISTURB EXISTING SEPTIC TANKS, DRAIN TILES, AND OUTLETS FOR 1030 S. ANNIE GLIDDEN ROAD WILL NOT BE ALLOWED UNTIL DECEMBER 15, 2006 OR AS DIRECTED BY THE ENGINEER

MATCH LINE STA. 111+00 SEE SHEET NO. 19

PROP. ROW

EXIST. ROW

111+30 20' RT

111+30 32' RT

8" WHITE SKIP-DASH (2' DASH, 4' GAP)

114+50 8' RT

114+50 20' RT

114+50 32' RT

2-4" YELLOW @ 12" C/C (TYP)

4" WHITE (TYP)

PROP. ROW PERMANENT DRAINAGE EASEMENT

SCALE: 1" = 50'

ASHLEY DRIVE

118+50 8' LT

119+50 8' LT

118+50 4' RT

118+50 16' RT

119+50 2' RT

119+50 12' RT

122+70 8' LT

122+70 2' RT

122+70 12' RT

123+50 8' LT

123+50 2' RT

123+50 12' RT

HIGHPOINTE DRIVE

4" WHITE (TYP)

TEMPORARY PAVEMENT MARKINGS

PAVEMENT MARKING TAPE, TY III

127+10 8' LT

127+10 2' RT

MATCH EXIST 127+10 12' RT

2-4" YELLOW @ 12" C/C (TYP)

END 50:1 TAPER TO MATCH EXIST. STA. 128+10

ANNIE GLIDDEN ROAD

STAGE 1

PAVEMENT MARKING TAPE, TY III ← → TEMPORARY PAVEMENT MARKINGS

EXIST. ROW

191+00 ℄

192+00 4' LT

194+50 4' LT

2-4" YELLOW @ 12" C/C (TYP)

4" WHITE (TYP)

EXIST. ROW

198+50 20' LT

MATCH LINE STA. 198+50 SEE SHEET NO. 19

S. MALTA ROAD

ANNIE GLIDDEN RD

MATCH LINE STA. 201+50 SEE SHEET NO. 19

PROP. ROW

202+50 20' LT

2-4" YELLOW @ 12" C/C (TYP)

4" WHITE (TYP)

EXIST. ROW

205+50 8' LT

TAYLOR STREET

MATCH LINE STA. 207+00 SEE BELOW

TEMPORARY PAVEMENT MARKINGS ← → PAVEMENT MARKING TAPE, TY III

MATCH LINE STA. 207+00 SEE ABOVE

EXIST. ROW

2-4" YELLOW @ 12" C/C (TYP)

4" WHITE (TYP)

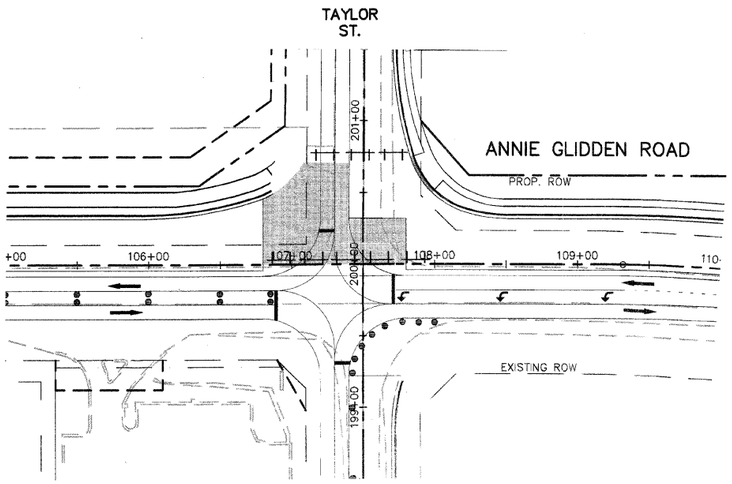
208+60 8' LT

210+60 ℄ MEET EXIST.

CONSTRUCTION STAGING LEGEND

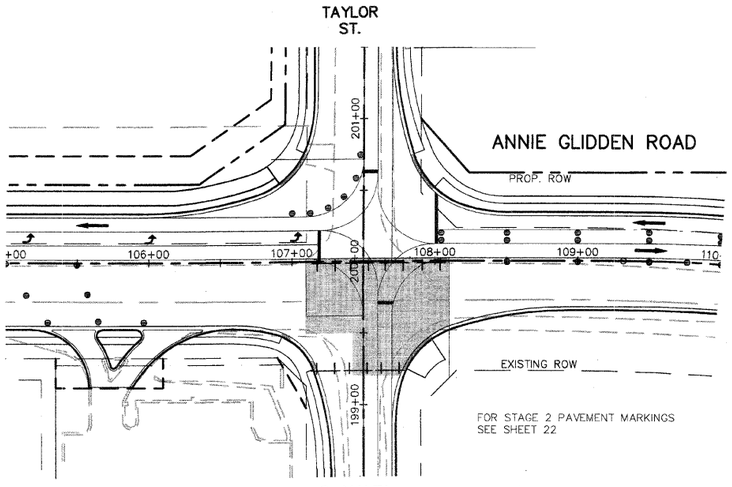
- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH STEADY BURN LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS
- WORK ZONE
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE

F.A.U. ROUTE	Contract 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	21
CONSTRUCTION STAGING PLAN – STAGE 1A & 2A				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



STAGE 1A

STAGE 1A WILL REQUIRE CLOSING TAYLOR STREET TO THE EAST FOR TWO DAYS. ANNIE GLIDDEN ROAD SHALL REMAIN OPEN TO TRAFFIC. SWITCH TRAFFIC ON ANNIE GLIDDEN ROAD TO THE EAST SIDE OF THE ROAD AS SHOWN IN STAGE 2 AFTER COMPLETION OF STAGE 1A. FOR STAGE 2 PAVEMENT MARKINGS SEE SHEET 22



STAGE 2A

STAGE 2A WILL REQUIRE CLOSING SOUTH MALTA ROAD FOR TWO DAYS. ANNIE GLIDDEN ROAD WILL REMAIN OPEN TO TRAFFIC.

NOTE:
A MINIMUM OF ONE (1) COMMERCIAL ENTRANCE TO RESOURCE BANK, AT THE NORTHWEST CORNER OF S. MALTA ROAD AND ANNIE GLIDDEN ROAD, SHALL REMAIN OPEN TO TRAFFIC AND BE CLEARLY SIGNED THROUGHOUT ALL STAGES OF CONSTRUCTION AND ALL DETOUR ROUTES.

CONSTRUCTION STAGING LEGEND

- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH STEADY BURN LIGHT AT 50' C/C (TYP.); 25' C/C ON TAPERS, 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS
- WORK ZONE
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE

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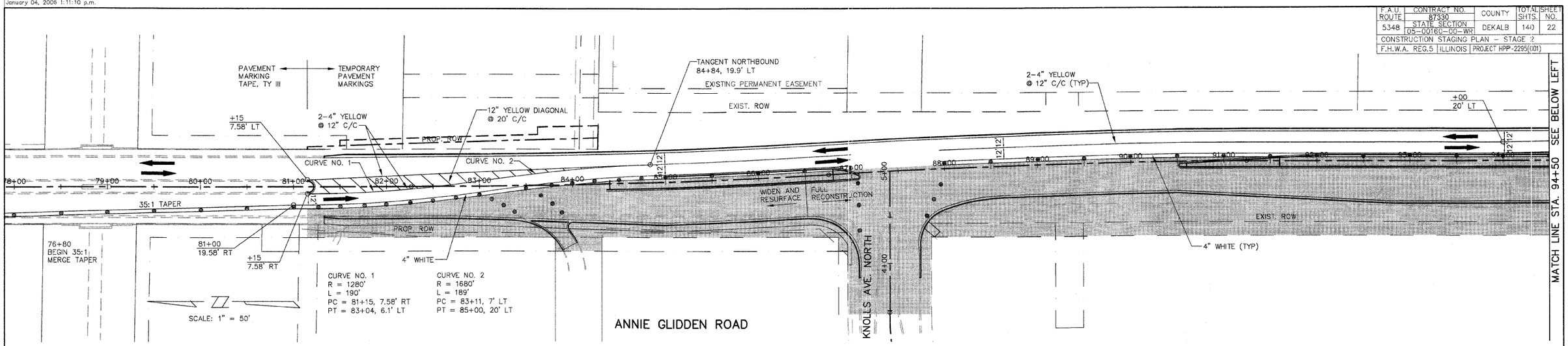
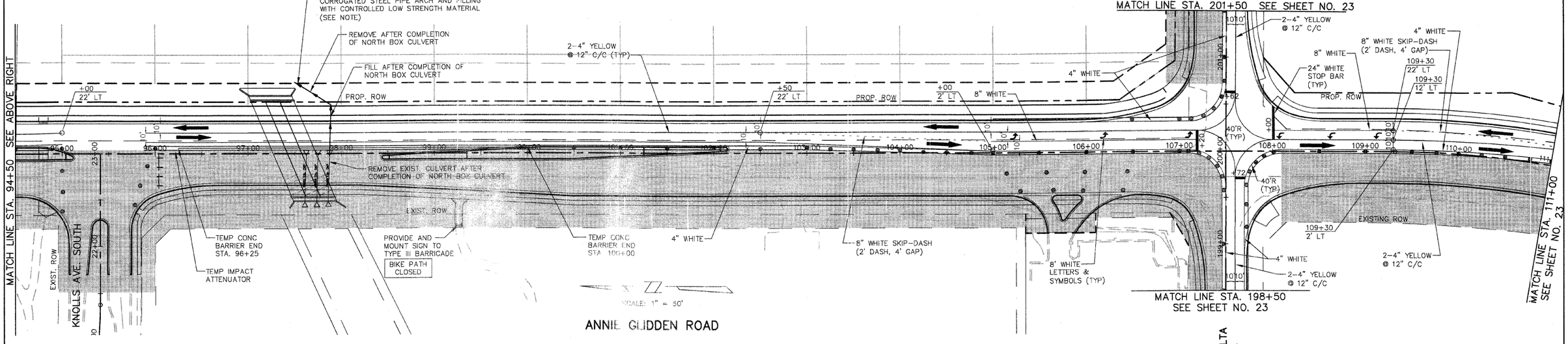
January 04, 2006 1:11:10 p.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	22
CONSTRUCTION STAGING PLAN – STAGE 2				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(101)		





NOTE:
A LUMP SUM QUANTITY FOR TEMPORARY PIPE CULVERT IS INCLUDED FOR CHANNELING WATER FLOW AT THE LOCATION OF PROPOSED BOX CULVERT CONSTRUCTION AS SHOWN IN THIS PLAN, AND FILLING PIPE TO REMAIN BENEATH THE PROPOSED ROADWAY. ADDITIONAL MEASURES FOR DIVERTING WATER AT THIS LOCATION OR DEWATERING THE SITE MAY BE REQUIRED AND SHALL BE INCLUDED IN THE COST OF THE CONTRACT, IN ACCORDANCE WITH ARTICLE 540.04 OF THE STANDARD SPECIFICATIONS.

STAGE 2

CONSTRUCTION STAGING LEGEND

- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH STEADY BURN LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS
- WORK ZONE
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE

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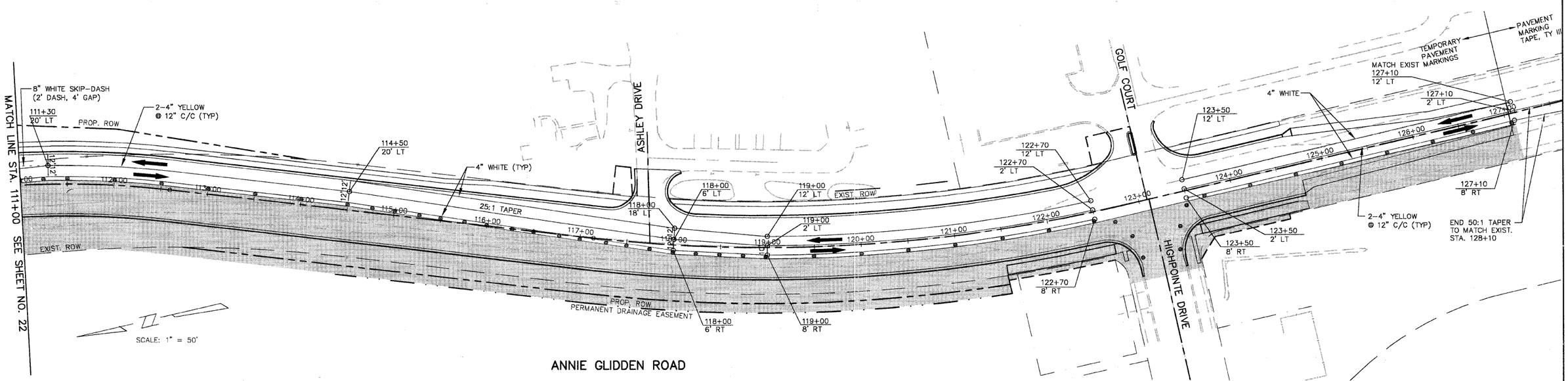
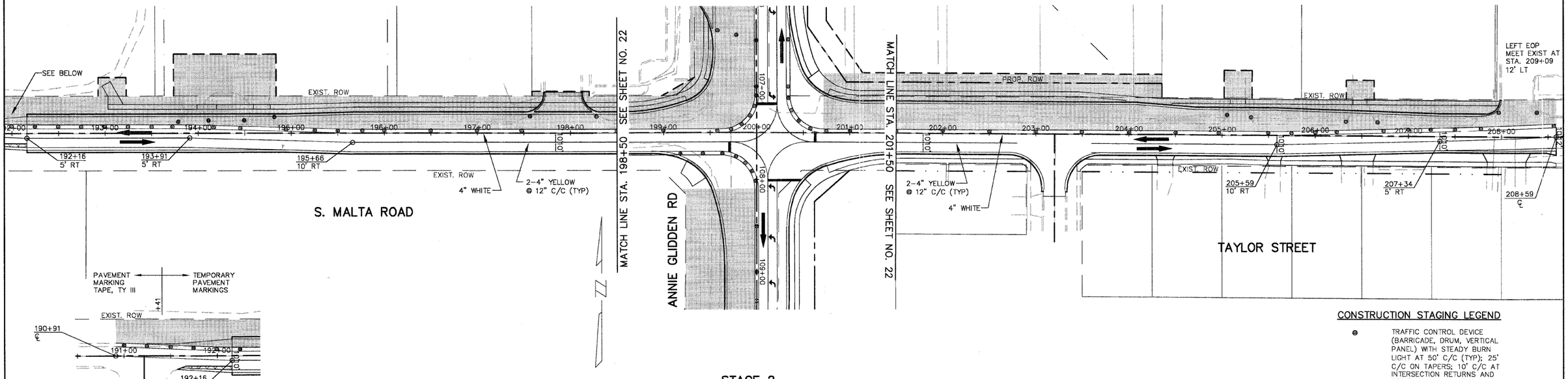
March 17, 2006 8:53:03 a.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	23
CONSTRUCTION STAGING PLAN – STAGE 2				
F.H.W.A. REG.S	ILLINOIS	PROJECT	HPP-2295(001)	





CONSTRUCTION STAGING LEGEND

- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH STEADY BURN LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS
- WORK ZONE
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE

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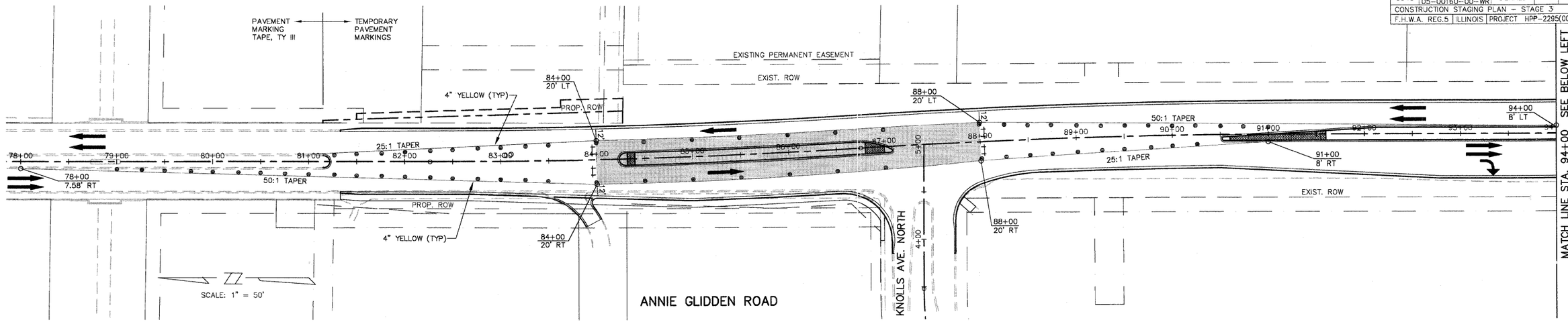
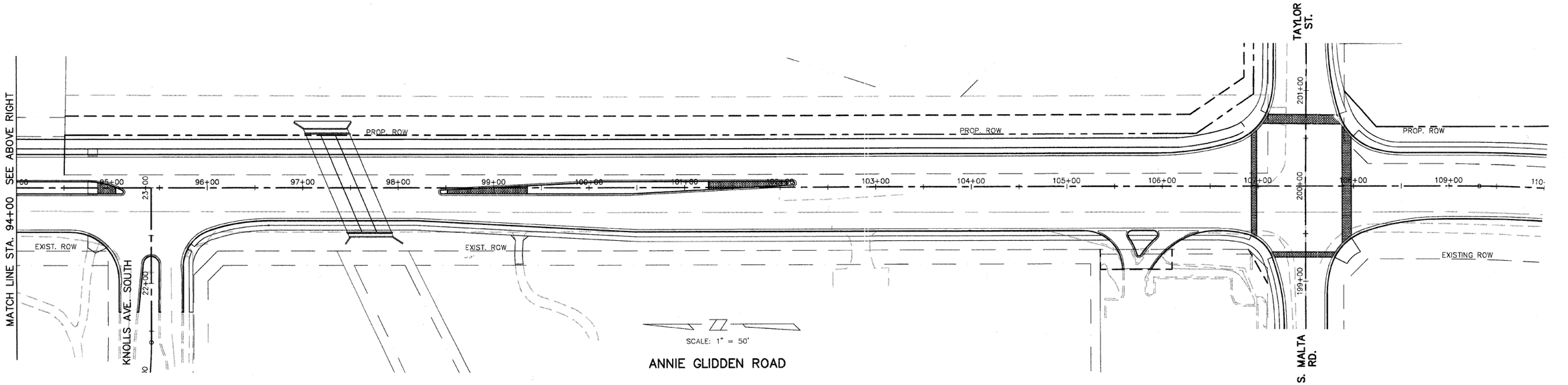
March 17, 2006 8:54:04 a.m.

F.A.U. ROUTE	Contract 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	24
CONSTRUCTION STAGING PLAN – STAGE 3				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		





CONSTRUCTION STAGING LEGEND

- TRAFFIC CONTROL DEVICE (DRUM, VERTICAL PANEL) WITH STEADY BURN LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS
- WORK ZONE
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE

STAGE 3

F.A.U. ROUTE	CONTRACT NO. 87930	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	25
EROSION CONTROL PLAN NOTES				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

EROSION CONTROL NOTES:

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

REFER TO BDE 2342 "STORM WATER POLLUTION PREVENTION PLAN" IN THE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING THE SITE DESCRIPTION AND MISCELLANEOUS PROCEDURES.

1. ALL WORK PROPOSED ON THE EROSION CONTROL PLAN SHALL BE DONE IN ACCORDANCE WITH THE "ILLINOIS URBAN MANUAL" (LATEST EDITION), THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND DETAILS AS SHOWN IN THE PLANS. THE CONTRACTOR IS DIRECTED TO THE CONTRACT SPECIAL PROVISIONS FOR THE APPLICABLE CONSTRUCTION STANDARD AND SUPPLEMENTAL INFORMATION. MAINTENANCE, CLEANING, REPLACEMENT, AND FINAL REMOVAL OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE COST OF THE ITEM. FAILURE TO MAINTAIN ANY EROSION CONTROL ITEM AS REQUIRED BY THE ENGINEER WILL REQUIRE THE ENGINEER TO FILE AN INCIDENCE OF NONCOMPLIANCE (ION) WITH THE ILLINOIS EPA.

2. THE CONSTRUCTION LIMITS WILL BE IDENTIFIED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

3. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF SOIL DISTURBANCE. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY.

4. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY. ANY PROPOSED CHANGES BY THE CONTRACTOR TO THESE EROSION CONTROL PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING IMPLEMENTED. ANY MODIFICATIONS OR ADDITIONS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL ITEM.

5. THE TEMPORARY EROSION CONTROL SYSTEMS MAY BE UTILIZED IN MULTIPLE CONSTRUCTION STAGES AS SHOWN IN THE PLANS. THESE SYSTEMS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AS DIRECTED BY THE ENGINEER.

6. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO THE ENGINEER UPON REQUEST.

7. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA ON SITE. THIS COST SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

8. DISTURBED AREAS SHALL BE PERMANENTLY SEEDED OR SODDED IMMEDIATELY AFTER GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED WITHIN 14 CALENDAR DAYS FROM DISTURBANCE OR RE-DISTURBANCE.

9. ALL STOCKPILES, WHICH WILL BE IN PLACE FOR TWO WEEKS OR LONGER, SHALL BE HYDROSEEDED WITHIN 14 DAYS OF FINAL STOCKPILING. TOPSOIL STOCKPILES SHALL BE CONSTRUCTED SO AS TO FREELY DRAIN AND SHALL NOT IMPEDE NATURAL DRAINAGE. ALL STOCKPILES SHALL HAVE PERIMETER EROSION BARRIER INSTALLED AROUND THE BASE.

10. CONSTRUCTION EQUIPMENT SHALL BE STORED, FUELED AND WASHED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL AND OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS.

11. THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER A 1/2" RAINFALL AND REPLACE, REPAIR OR CLEAN THEM WITHIN 24 HOURS.

12. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED ONLY INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO NATURAL DRAINAGE WAYS, FIELD TILES OR STORM WATER STRUCTURES THAT DO NOT DRAIN INTO SEDIMENT BASINS OR SILT TRAPS IS PROHIBITED.

13. EROSION CONTROL MEASURES NEAR THE DELINEATED JURISDICTIONAL WATERS OF THE U.S. SHALL BE INSTALLED ACCORDING TO PLAN. VARIATIONS TO THE EROSION CONTROL PLANS MAY RESULT IN A PENALTY FROM THE UNITED STATES ARMY CORPS OF ENGINEERS (ACOE) AND THE NEED TO ACQUIRE AN ACOE PERMIT. THE CONTRACTOR MAY PLACE SUPPLEMENTAL EROSION CONTROL MEASURES WITH THE CONCURRENCE OF THE ENGINEER.

14. WORK WITHIN THE DELINEATED JURISDICTIONAL WATERS OF THE U.S. SHALL BE MINIMIZED. THIS WORK SHALL NOT BE CONSTRUCTED DURING PERIODS OF "HIGH WATER" OR EXPECTED RAINFALL EVENTS. ALL EFFORTS SHALL BE USED FOR WORK TO BE PERFORMED IN THE "DRY" (WITHOUT FLOWING WATER). TEMPORARY DAMMING AND BY-PASS PUMPING MAY BE REQUIRED TO MEET THIS OBJECTIVE. ONCE WORK IN THESE AREAS BEGINS PRIORITY SHALL BE GIVEN TO THE COMPLETION AND STABILIZATION OF THESE AREAS. THESE AREAS SHALL ALSO BE STABILIZED AND PROTECTED PRIOR TO ANY RAIN EVENT.

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

16. WITHIN THE CONTRACT PLANS, REFER TO THE FOLLOWING: FOR FINAL GRADES, SEE CROSS SECTIONS; FOR STORM SEWER INFORMATION, SEE UTILITY PLAN; FOR FINAL STABILIZATION INCLUDING SEEDING AND SODDING, SEE LANDSCAPING PLAN.

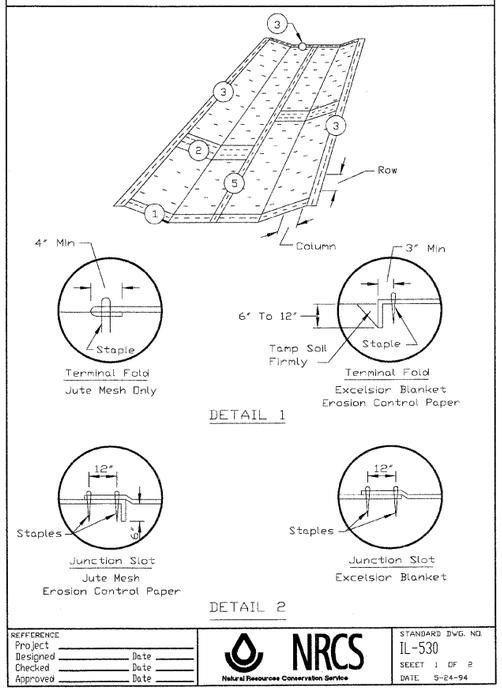
EROSION CONTROL LEGEND

NOTE: ITEMS ON PLAN SHEETS SHADED LIGHTER THAN SHOWN BELOW REPRESENT ITEMS TO BE MAINTAINED FROM PREVIOUS CONSTRUCTION STAGE

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE UTILITY PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER (SPECIAL)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE UTILITY PLAN & PROFILE FOR DETAILS)

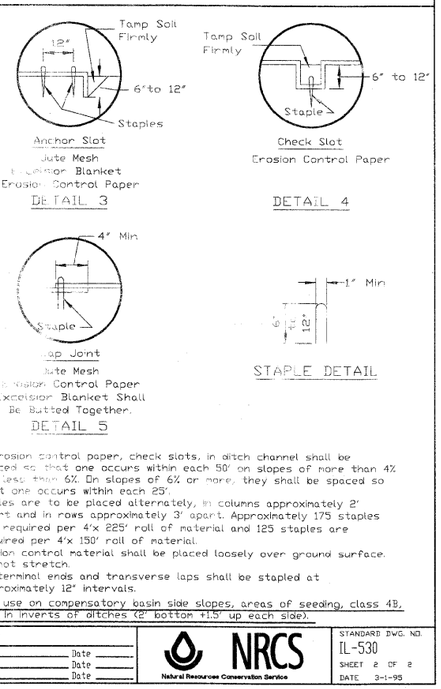
*NOTE:
ITEMS UNDERLINED OR STRUCK OUT ARE MODIFICATIONS TO THE ILLINOIS URBAN MANUAL STANDARDS FOR THIS PROJECT ONLY.

EROSION BLANKET PLAN



REFFERENCE		STANDARD DWG. NO.
Project		IL-530
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 1 OF 2
Checked ____ Date ____		DATE 5-24-94
Approved ____ Date ____		

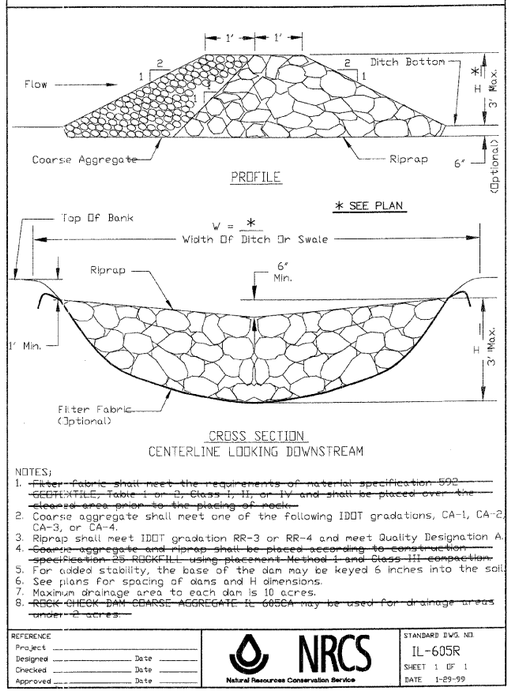
EROSION BLANKET PLAN



NOTES:
1. On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
2. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x 225' roll of material and 125 staples are required per 4'x 150' roll of material.
3. Erosion control material shall be placed loosely over ground surface. Do not stretch.
4. All terminal ends and transverse laps shall be stapled at approximately 12" intervals.
5. For use on compensatory basin side slopes, areas of seeding, class 4B, and in inverts of ditches (2' bottom +1.5' up each side).

REFFERENCE		STANDARD DWG. NO.
Project		IL-530
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 2 OF 2
Checked ____ Date ____		DATE 3-1-95
Approved ____ Date ____		

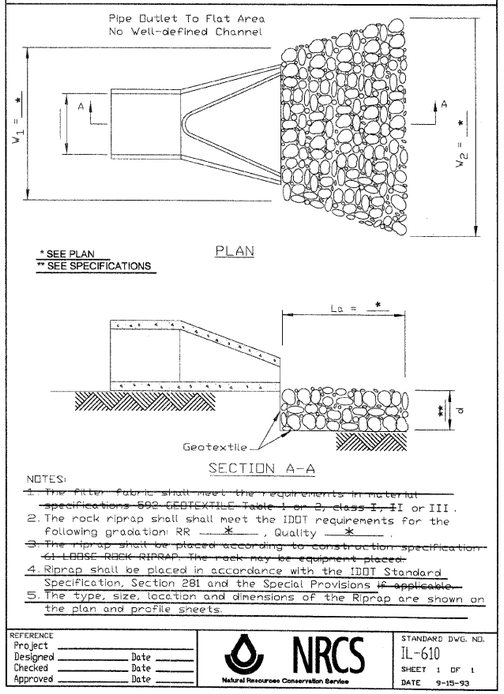
ROCK CHECK DAM - RIPRAP



NOTES:
1. ~~Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.~~
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
3. Riprap shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
4. ~~Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.~~
5. For added stability, the base of the dam may be keyed 6 inches into the soil.
6. See plans for spacing of dams and H dimensions.
7. Maximum drainage area to each dam is 10 acres.
8. ~~ROCK CHECK DAM COARSE AGGREGATE IL 685CA may be used for drainage areas under 2 acres.~~

REFERENCE		STANDARD DWG. NO.
Project		IL-605R
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 1 OF 1
Checked ____ Date ____		DATE 1-29-99
Approved ____ Date ____		

PIPE OUTLET TO FLAT AREA*



* SEE PLAN
** SEE SPECIFICATIONS

NOTES:
1. ~~The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II~~ or III.
2. The rock riprap shall meet the IDOT requirements for the following gradation: RR ____*____, Quality ____*____.
3. ~~The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.~~
4. Riprap shall be placed in accordance with the IDOT Standard Specification, Section 281 and the Special Provisions ~~if applicable.~~
5. The type, size, location and dimensions of the Riprap are shown on the plan and profile sheets.

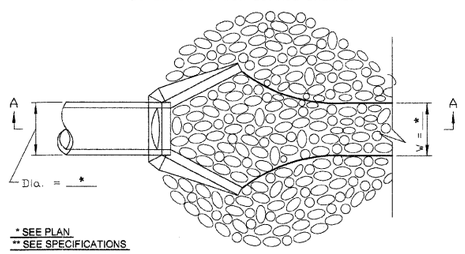
REFERENCE		STANDARD DWG. NO.
Project		IL-610
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 1 OF 1
Checked ____ Date ____		DATE 9-15-93
Approved ____ Date ____		

D:\LD 2004\03030167\DWG\EROSION CONTROL NOTES AND DETAILS.DWG
January 05, 2006 8:18:35 a.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	26
EROSION CONTROL PLAN DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

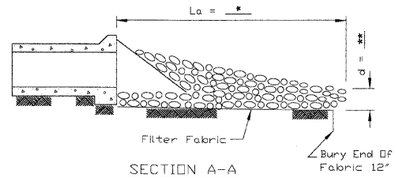
PIPE OUTLET TO CHANNEL*

Pipe Outlet To Well-Defined Channel



* SEE PLAN
** SEE SPECIFICATIONS

PLAN

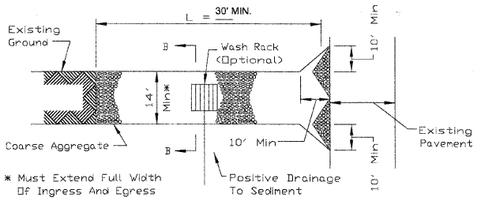


SECTION A-A

NOTES:
1. ~~The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III .~~
2. The rock riprap shall meet the IDOT requirements for the following gradation * .
3. ~~The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.~~
4. Riprap shall be placed in accordance with the IDOT Standard Specification, Section 281 and the Special Provisions ~~if applicable.~~
5. The type, size, location and dimensions of the Riprap are shown on the plan and profile sheets.

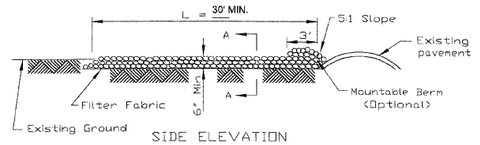
REFERENCE		STANDARD DWG. NO.
Project		IL-611
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 1 OF 1
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



* Must Extend Full Width Of Ingress And Egress Operation.

PLAN VIEW

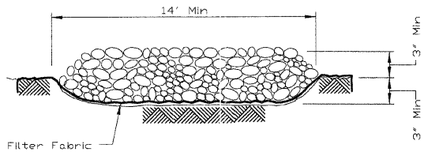


SIDE ELEVATION

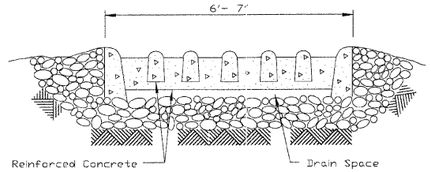
NOTES:
1. Filter fabric ~~shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed~~ over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, ~~CA-1~~, CA-2, ~~CA 3 or CA 4 and be placed according to construction specification 25 ROCKFILL using placement Method I and Class III compaction.~~
(Material Dumped and Spread, Compaction by spreading operation)
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE		STANDARD DWG. NO.
Project		IL-630
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 1 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



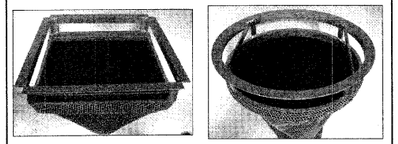
SECTION A-A

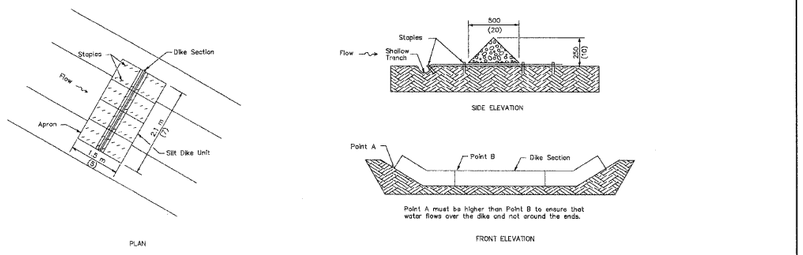


SECTION B-B

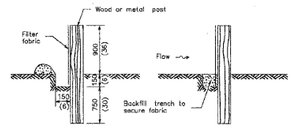
REFERENCE		STANDARD DWG. NO.
Project		IL-630
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 2 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

INLET PROTECTION - SILT FILTER





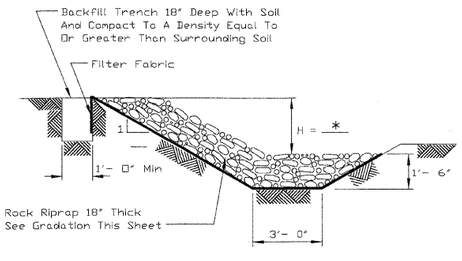
URETHANE FOAM/GEOTEXTILE DITCH CHECK



SILT FILTER FENCE AS A PERIMETER EROSION BARRIER

TEMPORARY EROSION CONTROL SYSTEMS (Sheet 2 of 3)
STANDARD 280001-02

STRUCTURAL STREAMBANK STABILIZATION - RIPRAP



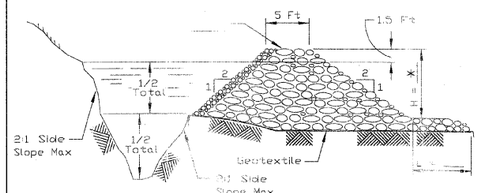
SECTION

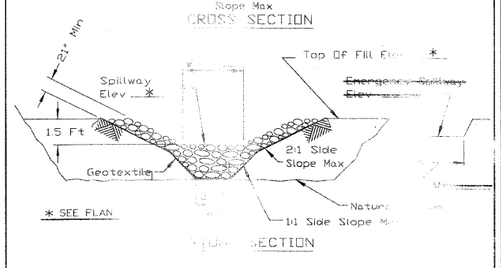
* SEE PLAN

NOTES:
1. ~~The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE ,Table I or 2, Class I, II or III .~~
2. The rock riprap shall meet the IDOT requirement for the following gradation: RR * , Quality * .
3. The riprap ~~shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock~~ may be equipment placed.

REFERENCE		STANDARD DWG. NO.
Project		IL-640
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 1 OF 1
Checked ____ Date ____		DATE 9-3-95
Approved ____ Date ____		

TEMPORARY SEDIMENT TRAP



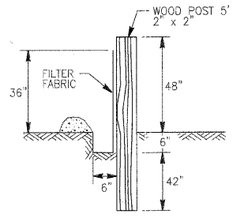


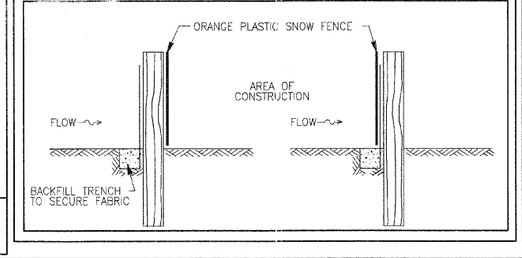
NOTES:
1. If the sediment pool is formed or enlarged the side slope will be 2:1 or flatter.
2. The fill shall be constructed using IDOT RR-4 stone size. A 1'layer of IDOT CA-2 should be placed on the inside face to reduce the flow rate.
3. ~~The rock will be placed according to construction specification 25 ROCKFILL. Placement will be by Method I and compaction will be class III.~~
4. ~~The geotextile shall meet the requirements in material specification 592 GEOTEXTILE table I or 2, class II, DV~~ .

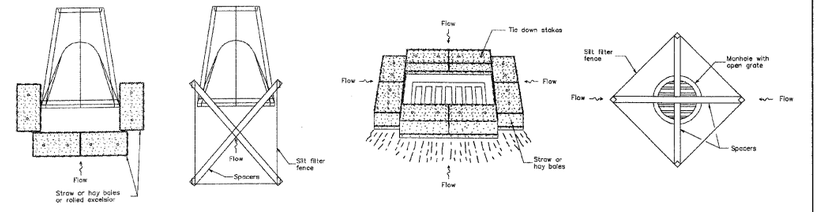
REFERENCE		STANDARD DWG. NO.
Project		IL-660
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 1 OF 1
Checked ____ Date ____		DATE 11-29-01
Approved ____ Date ____		

*NOTE:
ITEMS UNDERLINED OR STRUCK OUT ARE MODIFICATIONS TO THE ILLINOIS URBAN MANUAL STANDARDS FOR THIS PROJECT ONLY.

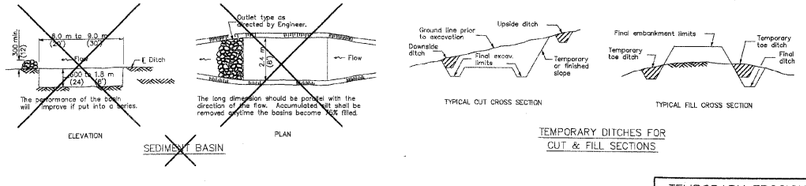
DETAIL PERIMETER EROSION BARRIER (SPECIAL)







INLET AND PIPE PROTECTION

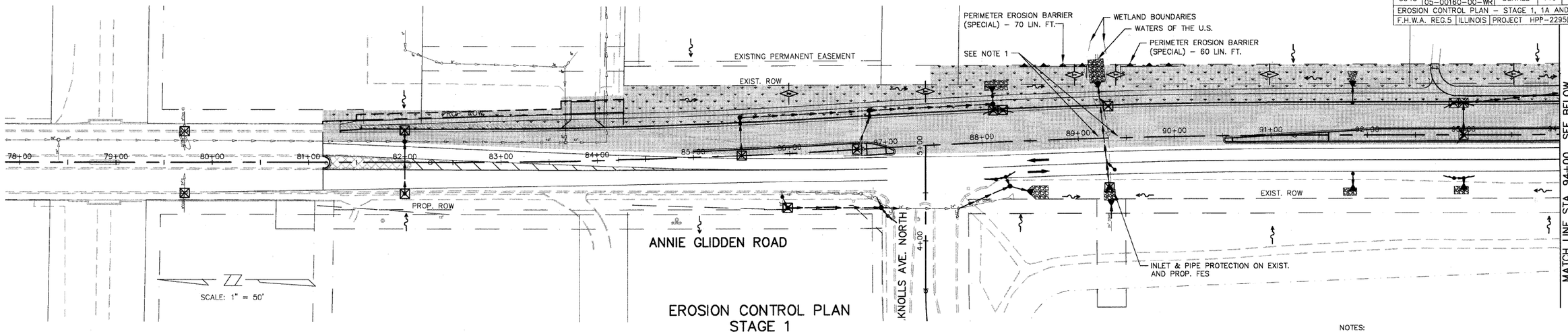


TEMPORARY DITCHES FOR CUT & FILL SECTIONS

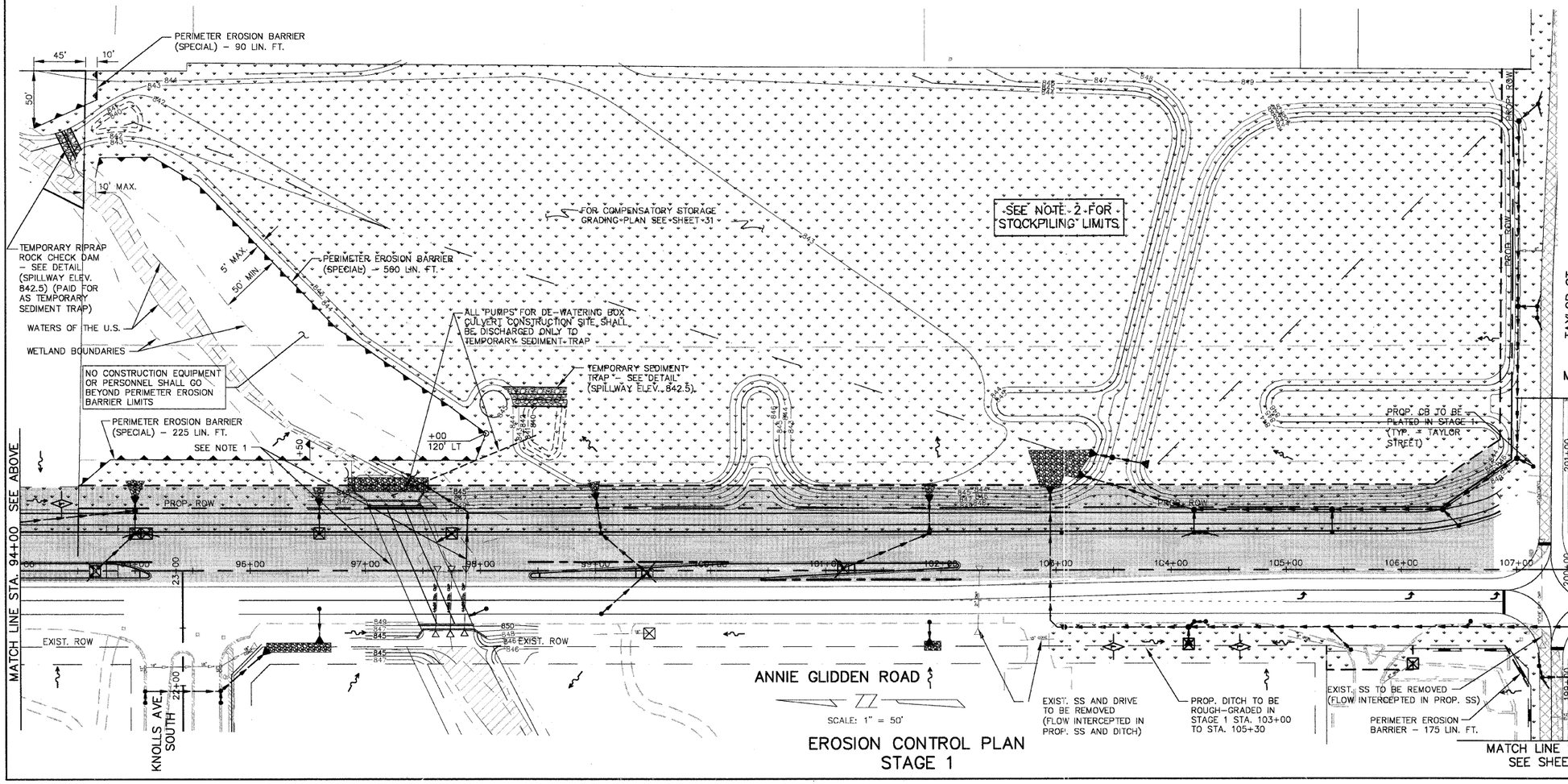
TEMPORARY EROSION CONTROL SYSTEMS (Sheet 3 of 3)
STANDARD 280001-02

March 17, 2006 8:55:00 a.m.
D:\LD 2004\03030167\DWG\EROSION CONTROL STAGE 1.DWG

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION GS-00160-00-WR	DEKALB	140	27
EROSION CONTROL PLAN – STAGE 1, 1A AND 2A				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



EROSION CONTROL PLAN
STAGE 1



EROSION CONTROL PLAN
STAGE 1

NOTES:

1. QUANTITY FOR TEMPORARY DITCH CHECKS IS PROVIDED FOR INSTALLATION IN EXISTING OR TEMPORARY DITCH AT THIS LOCATION UNTIL EMBANKMENT AND ROUGH GRADING IS COMPLETED FOR PROPOSED DITCHES.

2. STOCKPILING FOR TOPSOIL AND EMBANKMENT WILL BE ALLOWED ONLY WITHIN THE PARCEL DESIGNATED FOR THE COMPENSATORY STORAGE BASIN AND WITH THE FOLLOWING CONDITIONS:

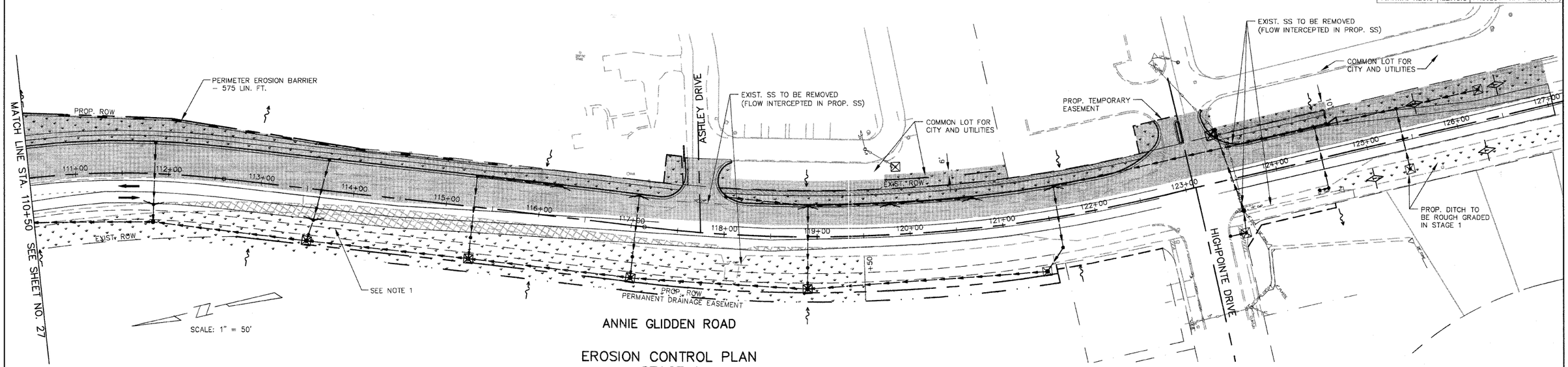
   A. TOE OF SLOPE SHALL NOT ENCROACH WITHIN
      (1) 200' OF ANY ROADWAY
      (2) 100' OF ANY ADJACENT PARCEL BOUNDARY

   B. CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION CONTROL PLAN, STANDARDS, DETAILS, AND SPECIAL PROVISIONS.

FOR EROSION CONTROL LEGEND AND NOTES, SEE SHEET 25

D:\LD 2004\03030167\DWG\EROSION CONTROL STAGE 1.DWG
January 04, 2006 1:14:46 p.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	28
EROSION CONTROL PLAN – STAGE 1, 1A AND 2A				
F.H.W.A. REG.5	ILLINOIS	PROJECT -HPP-2295(001)		

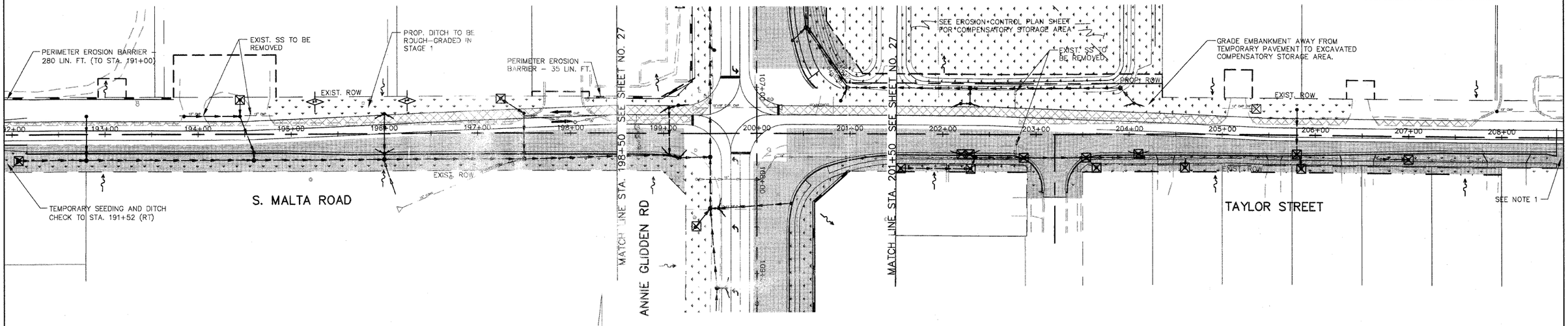


ANNIE GLIDDEN ROAD

EROSION CONTROL PLAN
STAGE 1

NOTES:

1. QUANTITY FOR TEMPORARY DITCH CHECKS IS PROVIDED FOR INSTALLATION IN EXISTING OR TEMPORARY DITCH AT THIS LOCATION UNTIL EMBANKMENT AND ROUGH GRADING IS COMPLETED FOR PROPOSED DITCHES.



EROSION CONTROL PLAN
STAGE 1

FOR EROSION CONTROL LEGEND AND NOTES, SEE SHEET 19

March 12, 2006 8:56:10 a.m.
D:\LD 2004\03030187\DWG\EROSION CONTROL STAGE 2.DWG

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	29
EROSION CONTROL PLAN – STAGE 2 & 3				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

EXISTING PERMANENT EASEMENT
EXIST. ROW
PROP. ROW
PROP. ROW
PERIMETER EROSION BARRIER
300 LIN. FT.
ANNIE GLIDDEN ROAD
KNOLLS AVE. NORTH
EXIST. ROW
MATCH LINE STA. 94+00 SEE BELOW
SCALE: 1" = 50'

EROSION CONTROL PLAN
STAGE 2 & 3

PERIMETER EROSION BARRIER (SPECIAL)
INSTALLED IN STAGE 1
MAINTAIN TEMPORARY
ROCK CHECK DAM
INSTALLED IN STAGE 1
WATERS OF THE U.S.
WETLAND BOUNDARIES
NO CONSTRUCTION EQUIPMENT
OR PERSONNEL SHALL GO
BEYOND PERIMETER EROSION
BARRIER LIMITS
PERIMETER EROSION BARRIER
(SPECIAL) INSTALLED IN STAGE 1
PERIMETER EROSION BARRIER
(SPECIAL) INSTALLED IN STAGE 1
MAINTAIN TEMPORARY SEDIMENT
TRAP INSTALLED IN STAGE 1
ALL PUMPS FOR DEWATERING
BOX CULVERT CONSTRUCTION
SITE SHALL BE DISCHARGED
ONLY TO TEMPORARY
SEDIMENT TRAP.
SEE STAGE 1 EROSION
CONTROL PLAN FOR
STOCKPILING LIMITS
FOR EROSION CONTROL
LEGEND AND NOTES, SEE
SHEET 25
TAYLOR ST.
MATCH LINE STA. 201+50
SEE SHEET NO. 30
PERIMETER EROSION BARRIER
INSTALLED IN STAGE 1
PROP. ROW
PROP. ROW
MATCH LINE STA. 94+00 SEE ABOVE
PERIMETER EROSION BARRIER
(SPECIAL) – 140 LIN. FT.
PERIMETER EROSION BARRIER
(SPECIAL) – 120 LIN. FT.
ANNIE GLIDDEN ROAD
PERIMETER EROSION BARRIER
INSTALLED IN STAGE 1
MATCH LINE STA. 198+50
SEE SHEET NO. 30
MATCH LINE STA. 110+00
SEE SHEET NO. 30

EROSION CONTROL PLAN
STAGE 2 & 3

D:\LD 2004\03030167\DWG\EROSION CONTROL STAGE 2.DWG
March 17, 2006 9:20:23 a.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	30
EROSION CONTROL PLAN – STAGE 2 & 3				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

PERIMETER EROSION BARRIER
INSTALLED IN STAGE 1

ASHLEY DRIVE

HIGHPOINTE DRIVE

PERIMETER EROSION BARRIER
120 LIN. FT.

MATCH LINE STA. 110+50
SEE SHEET NO. 29

SCALE: 1" = 50'

ANNIE GLIDDEN ROAD

EROSION CONTROL PLAN
STAGE 2 & 3

TEMPORARY SEEDING TO
STA. 191+25 (LT)

PERIMETER EROSION BARRIER
INSTALLED IN STAGE 1

PERIMETER EROSION BARRIER
INSTALLED IN STAGE 1

EXIST. ROW

S. MALTA ROAD

MATCH LINE STA. 198+50
SEE SHEET NO. 29

ANNIE GLIDDEN RD

PROP. ROW

MATCH LINE STA. 201+50
SEE SHEET NO. 29

EXIST. ROW

TAYLOR STREET

SCALE: 1" = 50'

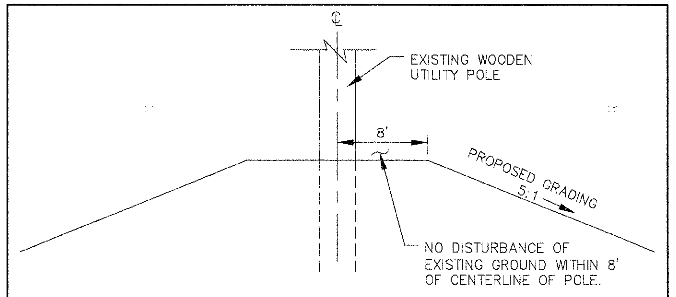
EROSION CONTROL PLAN
STAGE 2 & 3

FOR EROSION CONTROL
LEGEND AND NOTES, SEE
SHEET 25

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	31

COMPENSATORY STORAGE BASIN GRADING PLAN

F.H.W.A. REG.5 ILLINOIS PROJECT HPP-2295(001)



UTILITY POLE GRADING DETAIL

(NOT TO SCALE)

NOTES:

1. PROPOSED GRIDLINES ARE AT 100' INTERVALS ESTABLISHED AS FOLLOWS:
   E-W: ANNIE GLIDDEN ROAD STATIONS AND PERPENDICULAR TO CENTERLINE
   N-S: PARALLEL TO ANNIE GLIDDEN ROAD CENTERLINE, BEGINNING AT 105' LT
2. PROPOSED ELEVATIONS ARE TO FINISHED GRADE AFTER PLACING TOPSOIL, 4".
3. GRADING ADJACENT TO PROPOSED SIDEWALK/BICYCLE PATH SHALL BE AS SHOWN ON THE CROSS SECTIONS.
4. FOR PROPOSED STORM SEWER AND RIPRAP, SEE UTILITY PLAN AND PROFILE SHEETS.
5. A GRASSED, LEVEL SURFACE, 16' WIDE, SHALL BE PROVIDED ALONG SUMMIT TO BASE OF UTILITY POLE. A MAXIMUM 10:1 SLOPE SHALL BE GRADED FROM BACK OF SIDEWALK/BIT. PATH TO LEVEL SUMMIT.

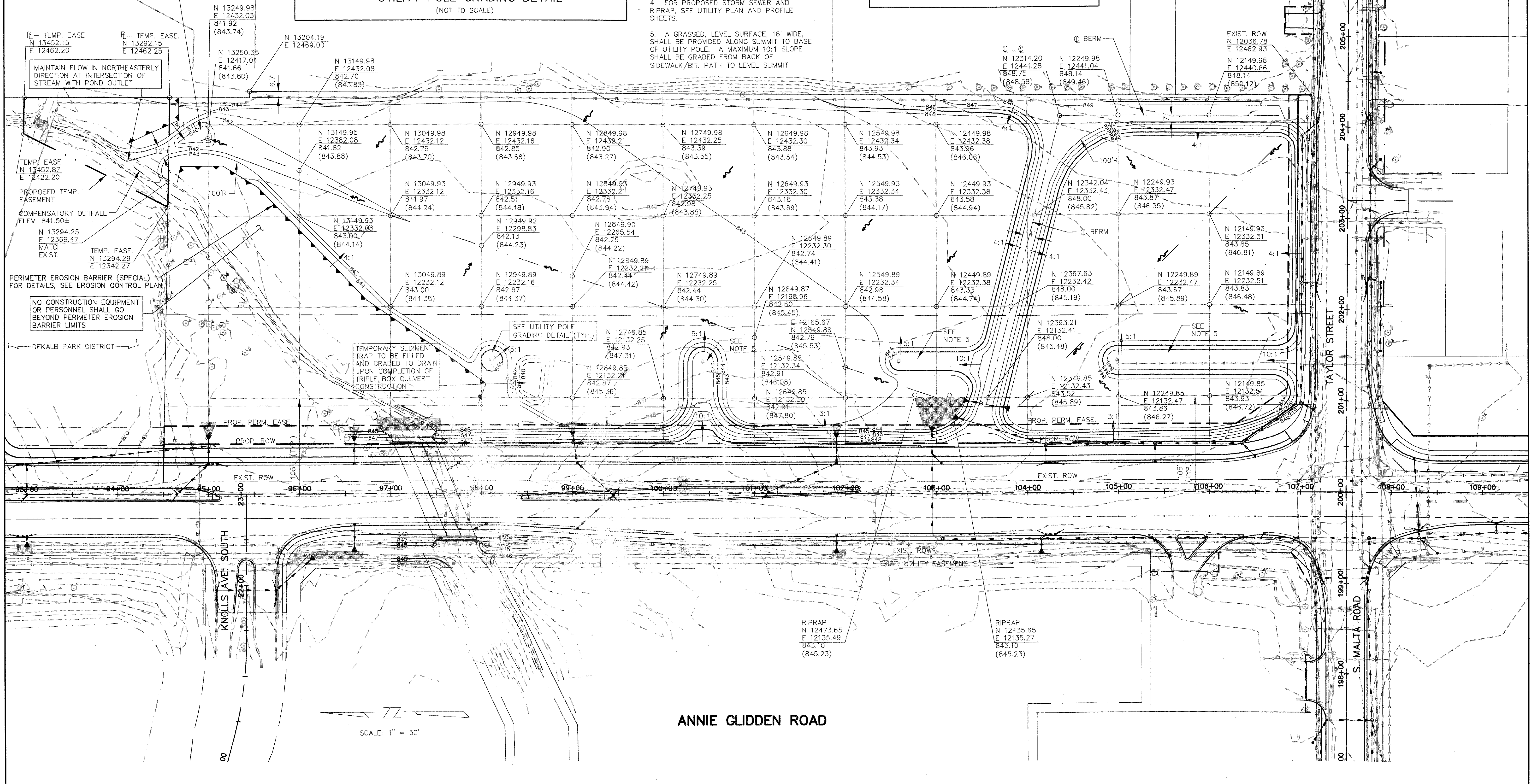
GRADING LEGEND

NORTHING
EASTING
PROP. ELEVATION
(EXIST. ELEVATION)

848 — PROP. CONTOUR LINE ELEVATION

— — PROP. DRAINAGE SWALE

PROP. DIRECTION OF FLOW



F.A.U. ROUTE	CONTRACT NO. 87330 STATE SECTION 05-00160-00-WR	COUNTY	TOTAL SHTS.	SHEET NO.
5348	05-00160-00-WR	DEKALB	140	32
PLAN & PROFILE STA. 80+50 TO STA. 86+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

ANNIE GLIDDEN ROAD ℄ CURVE 1

PI STA. = 84+51.17
Δ = 03°-22'-03"
D = 00°-45'-00"
R = 7639.00'
T = 224.55'
L = 448.96'
E = 3.30'
SE = NORMAL CROWN
PC STA. = 82+26.63
PRC STA. = 86+75.59

January 18, 2006 8:11:47 a.m.
D:\LD 2004\(30530167)DWG\PP-BASE-ANNIE.DWG

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	33
PLAN & PROFILE STA. 86+50 TO STA. 92+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

VACATED ROADWAY R.O.W.

REMOVE CONCRETE FOUNDATION– GROUND MOUNT (ENGRAVED STONE TO BE SALVAGED BY PARK DISTRICT FORCES PRIOR TO FOUNDATION REMOVAL)

EXIST. ROW

89+11.19 76.76' LT

89+10.64 56.77' LT

89+45.84 75.86' LT

89+45.37 55.86' LT

EXIST. PERM. EASEMENT

EXIST. ROW

PCC SIDEWALK, 5"

BITUMINOUS MEDIAN SURFACE AND PAVEMENT TEXTURING – 206 SQ. FT.

COMB. CONC. C&G TYPE B-6.12

PROFILE GRADE LINE (8' LT/RT)

75'R

87+10 8' LT

86+71.30 6.42' LT

RAMPED MEDIAN NOSE (TYP.) (INCLUDED IN COST OF COMB. CONC. C&G TY B-6.12)

87+07.16 2.66' RT

PRC

87+00

87+00 0.73' LT

2'R

87+06.21 6.42' RT

87+00 6.42' RT

92°54'

SAWCUT

BIT. SURF. REM. (VAR. DEPTH)

SIDEWALK REM

COMB. C&G REM 86+52.66 46.58' RT TO 850.70

CURB RAMP, (TYP.)

COMB. CONC. C&G TYPE B-6.24

MAINTAIN EXIST. C&G (TYP.)

UTILIZE SAWCUT FROM INSTALLATION OF PROP. WATER MAIN

COMB. C&G REM

BIT. SURF. REM (VAR. DEPTH)

SAWCUT

PCC SIDEWALK, 5"

50'R

86+62.37 58.25' RT CL DEPATCH TY. IL 12" 6" 4 SQ. YD

(RT) WIDEN & RESURFACE

(RT) RECONSTRUCT

KNOLLS AVE. NORTH

45'

24' CONC

4'

2'

MATCH LINE STA. 4+00 SHEET NO. 43

SCALE: 1" = 20'

PROP. ℄ CURVE 2

EXIST. ℄

COMB. CONC. C&G TYPE B-6.24

88+29.94 37.08' RT TO 849.83

88+61.45 34.58' RT TC 849.94

87+98.60 44.53' RT TC 849.49

87+83.23 58.68' RT

89+17.27 63.46' RT

89+47.52 64.22' RT

BOC CURB RADII – SW 2 CTR CURVE 40'–200' 8' O/S

PCC SIDEWALK, 5"

SAWCUT

87+82.57 73.66' RT

EXIST. BIT. PATH

4+20.70 33.16' RT TC 848.94

EXIST. 49"x33" CMP

EXIST. ROW

EXIST. UTILITY EASEMENT

90+50.00 34.58' RT

90+50 8' LT

90+53.84 2.42' RT

90+53.94 6.42' RT

RAMPED MEDIAN NOSE

90+60 6.42' RT

2'R

BITUMINOUS MEDIAN SURFACE AND PAVEMENT TEXTURING – 710 SQ. FT.

PROFILE GRADE LINE (8' LT/RT)

92+12 6.42' LT

COMB. CONC. C&G TYPE B-6.12

LANDSCAPED MEDIAN SEE MEDIAN LANDSCAPING DETAILS

MATCH LINE STA. 86+50 SHEET NO. 32

MATCH LINE STA. 92+50 SHEET NO. 34

STATION EQUATION
87+41.22 ANNIE GLIDDEN RD. =
5+00 KNOLLS AVE. NORTH

ANNIE GLIDDEN ROAD ℄ CURVE 2

PI STA. := 89+00.14
△ := 03°-22'-03"
D := 00°-45'-00"
R := 7639.00'
T := 224.55'
L := 448.96'
E := 3.30'
SE := NORMAL CROWN
PRC STA. := 86+75.59
PT STA. := 91+24.55

MASON PARK

THE KNOLLS AT PRAIRIE CREEK P.U.D. PHASE ONE

ANNIE GLIDDEN ROAD

(RT) WIDEN & RESURFACE | (RT) RECONSTRUCT

PGL ℄ +10 ELEV. ELEV.

℄ +50 PGL ELEV. ELEV.

℄ VPI STA = 87+75
ELEV = 849.85
L = 200'
E = 0.39'
K = 128.79
LOW POINT STA. = 88+23.48
LOW POINT ELEV. = 850.15

VPC 86+75 ℄ EL. 851.00 PGL EL. 850.84

PGL EL. 850.49 ℄ EL. 850.65

VPT 88+75 850.25

℄ EL. 850.95 PGL EL. 850.79

PGL VPI STA = 90+75
PGL ELEV = 850.89
NO V.C.

-1.15%

0.40%

-0.40%

PROP. PROFILE GRADE LINE (PGL)

PROP. ℄ PROFILE

EXIST. GROUND PROFILE

EXIST. 49"x33" CMP

EXIST. 24" STORM SEWER

844.63 (EXIST.)

844.88 (EXIST.)

844.26 (EXIST.)

12" WATER MAIN

843.01±

12" WATER MAIN

EXIST. 12" SAN. SEWER

EXIST. 12" WATER MAIN

EXIST. GROUND ELEVATIONS	850.53	851.13 PGL	850.84 PGL	849.76	850.58 PGL	850.52	849.06	850.36	850.24	848.31	850.17	850.15	847.66	850.17	850.25	847.18	850.35	846.64	850.55	846.34	850.75	845.99	850.79 PGL	846.07	850.79 PGL	846.27	850.59 PGL	846.40	850.39 PGL	847.92	850.19 PGL
PROP. ℄ / PGL ELEVATIONS																															

86+50 +75 87+00 +25 87+50 +75 88+00 +25 88+50 +75 89+00 89+50 90+00 90+50 91+00 91+50 92+00 92+50

856 854 852 850 848 846 844 842 840 838

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	34

PLAN & PROFILE STA. 92+50 TO STA. 98+50

F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)

NOTE:
A QUANTITY OF 70 CU. YD. EARTH EXCAVATION IS INCLUDED FOR GRADING IN STREAM TO MATCH BOX CULVERT AND HEADWALL ELEVATIONS AT EACH END OF BOX CULVERT. FOR GRADING AND CONTOURS SEE COMPENSATORY STORAGE BASIN GRADING PLAN.

STATION EQUATION
95+41.22 ANNIE GLIDDEN RD. =
23+00 KNOLLS AVE. SOUTH

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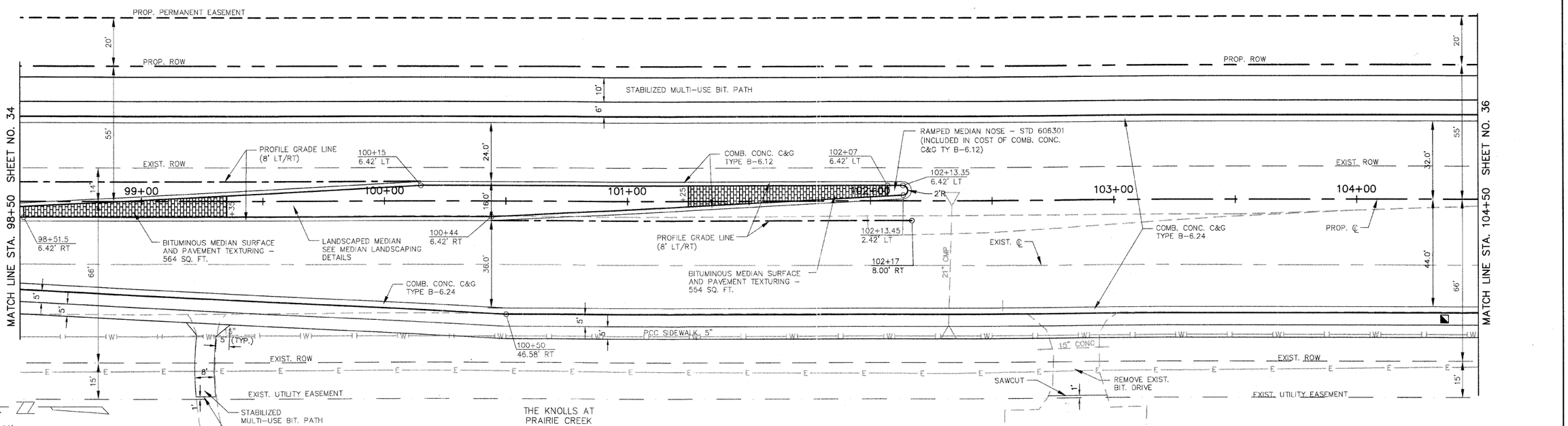
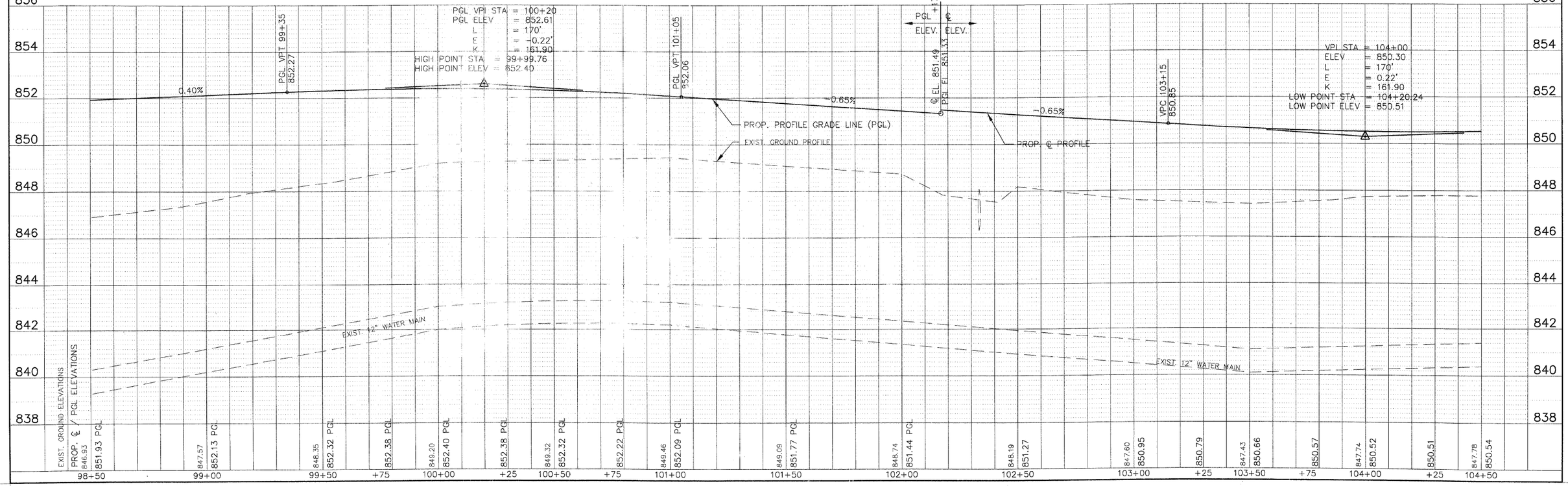
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	35
PLAN & PROFILE STA. 98+50 TO STA. 104+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

CITY OF DEKALB



SCALE: 1" = 20'

ANNIE GLIDDEN ROAD



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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	36
PLAN & PROFILE STA. 104+50 TO STA. 109+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

STATION EQUATION
107+49.77 ANNIE GLIDDEN RD. = 200+00 TAYLOR STREET

ANNIE GLIDDEN ROAD ℄ CURVE 3.
PI STA. = 110+97.43
Δ = 19°-40'-01"
D = 05°-59'-58"
R = 955.00'
T = 165.53
L = 327.81'
E = 14.24'
SE = 3.85%
PC STA. = 109+31.89
PT STA. = 112+59.70

FOR ANNIE GLIDDEN ROAD SUPERELEVATION LIMITS SEE TABLE SHEET 15

MATCH LINE STA. 104+50 SHEET NO. 35
MATCH LINE STA. 201+00 SHEET NO. 41
MATCH LINE STA. 199+25 SHEET NO. 41
MATCH LINE STA. 109+50 SHEET NO. 37

CITY OF DEKALB
MARY A. JOHNSON, TRUSTEE
RESOURCE BANCSHARES, INC.
TAYLOR STREET
S. MALTA ROAD
PROP. PERMANENT EASEMENT
PROP. ROW
STABILIZED MULTI-USE BIT. PATH
COMB. CONC. C&G TYPE B-6.24
COMB. CONC. C&G TYPE B-6.12 (TYP.)
PCC SIDEWALK, 5"
PCC DRIVEWAY PAVEMENT, 7"
BIT. DRIVEWAY PAVEMENT, SUPERPAVE
PAVEMENT TEXTURING TYP. AT CROSSWALKS
CURB RAMP (TYP.)
EXIST. R.O.W.
EXIST. SIDEWALK EASEMENT
EXIST. UTILITY EASEMENT
PROP. TEMP. EASE.
COMB. C&G REM
PROP. BIT. PATH (BY OTHERS)
GRAVEL SHOULDER
PROP. ℄
EXIST. ℄
PC 7
CURVE 3

BOC RADII – NE
3 CTR CURVE
100'–55'–260'
2'–10' O/S

BOC RADII – SE
3 CTR CURVE
100'–55'–260'
2'–10' O/S

BOC RADII – NW
3 CTR CURVE
120'–40'–200'
2'–10' O/S

BOC RADII – SW
3 CTR CURVE
100'–55'–260'
2'–10' O/S

SCALE: 1" = 20'

ANNIE GLIDDEN ROAD

VPI STA. = 110+10
ELEV = 852.74
E = 300'
K = 124.40

VPT 104+85 850.64
VPC 108+60 852.14
℄ TAYLOR STREET
PROP. ℄ PROFILE
EXIST. GROUND PROFILE
0.40%
EXIST. 12" WATER MAIN
EXIST. 16" WATER MAIN
842.98 (SAN MH)

	104+50	105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	+75	109+00	+25	109+50
EXIST. GROUND ELEVATIONS	847.78	850.60	848.25	848.17	848.14	849.33	849.68	848.98	849.29	852.21	849.24	852.57	850.41
PROP. ℄ ELEVATIONS	850.54	850.64	850.90	851.10	851.30	851.50	851.70	851.90	852.10		852.36		852.83

856 854 852 850 848 846 844 842 840 838

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	37
PLAN & PROFILE STA. 109+50 TO STA. 115+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

ANNIE GLIDDEN ROAD ℄ CURVE 3

PI STA. = 110+97.43
△ = 19°-40'-01"
D = 05°-59'-58"
R = 955.00'
T = 165.53
L = 327.81'
E = 14.24'
SE = 3.85%
PC STA. = 109+31.89
PT STA. = 112+59.70

MARY A. JOHNSON, TRUSTEE

RECONSTRUCT | WIDEN & RESURFACE

MATCH LINE STA. 109+50 SHEET NO. 36

MATCH LINE STA. 115+50 SHEET NO. 38

110+50 70.00' LT

PROP. ROW

STUMPS

112+00 60.00' LT

114+00 48.88' LT

PCC SIDEWALK, 5"

EXIST. ROW

COMB. CONC. C&G TYPE B-6.24

BIT. SURF. REM (VAR. DEPTH)

SAWCUT

CL D PATCH TY III, 12" – 15 SQ. YD.

111+00

112+00

PT

113+00

114+00

115+00

EXIST. ℄

PROP. ℄

CURVE 3

110+00

PROP. BIT. PATH (BY OTHERS)

EXIST. ROW

PROP. ROW

PROP. PERM. DRAINAGE EASEMENT

112+79.93 60.00' RT

114+45.13 70.00' RT

PAUL J. ZGONENA, TRUSTEE

FOR ANNIE GLIDDEN ROAD SUPERELEVATION LIMITS SEE TABLE SHEET 15

SCALE: 1" = 20'

ANNIE GLIDDEN ROAD

VPI STA = 110+10
ELEV = 852.74
L = 300'
E = 0.90'
K = 124.40

EXIST. GROUND PROFILE
PROP. ℄ PROFILE

VPI 111+60
856.96

2.81%

EXIST. ℄ PROFILE
PROP. ℄ PROFILE

RECONSTRUCT | WIDEN & RESURFACE

VPC 114+00
863.71

VPI STA = 117+00
ELEV = 872.14
L = 600'
E = -1.85'
K = 243.79

EXIST. 16" WATER MAIN

EXIST. GROUND/℄ ELEVATIONS
PROP. ℄ ELEVATIONS

109+50	+75	110+00	+25	110+50	+75	111+00	+25	111+50	112+00	112+50	113+00	113+50	114+00	+25	114+50	+75	115+00	+25	115+50
850.41		849.83		851.07		852.93		855.49	857.43	859.11	860.42	861.80	863.27		864.62		865.70		866.99
852.83	853.13	853.49	853.89	854.35	854.86	855.42	856.02	856.68	858.08	859.49	860.69	862.30	863.71	864.40	865.06	865.70	866.31	866.90	867.46

860 858 856 854 852 850 848 846 844 842

868 866 864 862 860 858 856 854 852 850

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NOTE:
ALL CONSTRUCTION ACTIVITIES THAT MAY DISTURB EXISTING SEPTIC TANKS, DRAIN TILES, AND OUTLETS FOR 1030 S. ANNIE GLIDDEN ROAD WILL NOT BE ALLOWED UNTIL DECEMBER 15, 2006 OR AS DIRECTED BY THE ENGINEER

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	38
PLAN & PROFILE STA. 115+50 TO STA. 121+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

ANNIE GLIDDEN ROAD ℄
CURVE 4
PI STA. = 119+98.80
△ = 19°-43'-30"
D = 03°-30'-00"
R = 1637.02'
T = 284.60'
L = 563.57'
E = 24.56'
SE = 3.11%
PC STA. = 117+14.20
PT STA. = 122+77.77

FILLING EXISTING SEPTIC TANK (2 EACH) – SEE NOTE
PROP. BRICK SIGN (SEE DETAIL)
ONE STORY STONE AND FRAME
2 STORY BRICK PORCH
BIT. SURF. REM 1-1/2"
SALVAGE CONCRETE BLOCKS FOR TOWNHOME ASSOC. (INCL. IN COST OF EARTH EXC.)
SAWCUT & MATCH EXIST. 79' LT
DEPRESS CURB HEIGHT IN 5' (TYP)
2' STUB (TYP.)
BUSHES
MARY A. JOHNSON, TRUSTEE
EXIST. ROW
SEPTIC TANK
HOLDING TANK
BRICK SIGN AND FOUNDATION REMOVAL
20' Well
PCC SIDEWALK, 5"
COMB. CONC. C&G TYPE B-6.24
25'R
40'R
20'R
DRIVE
ASHLEY
12" CMP
CURB RAMP, (TYP.)
MAINTAIN EXIST. LIGHT POLE
COMMON LOT FOR CITY & UTILITIES
CONC. SIDEWALK
FENCE LIMITS 119+75 TO 120+25 59' LT
FENCE LIMITS 120+65 TO 121+00 59' LT
PROP. VINYL FENCE, 6' (SEE SPECIAL PROVISIONS – EXACT FENCE LIMITS TO BE DETERMINED IN THE FIELD BY THE CITY)
MATCH LINE STA. 115+50 SHEET NO. 37
MATCH LINE STA. 121+50 SHEET NO. 39
SAWCUT
CL D PATCH TY III, 12" – 20 SQ. YD.
EXIST. ℄
PC
PROP. ℄
CURVE 4
84°16'36"
95°43'22"
BIT. SURF. REM. (VAR. DEPTH)
GRAVEL
EXIST. ROW
PROP. ROW
PERM. DRAINAGE EASEMENT
PROP. BIT. PATH BY OTHERS
CHICAGO TITLE LAND TRUST COMPANY TRUST NUMBER 751
EXIST. AGG. DRIVE TO BE REMOVED
SCALE: 1" = 20'

117+51.08	75.58' LT
117+46.99	80.00' LT
117+30	80.00' LT
117+53.26	63.10' LT, 871.28
MID 117+47	43.15' LT, 870.48
117+30	49.79' LT
118+03.71	77.48' LT
MID 117+89.87	61.52' LT, 870.98
117+98.20	42.41' LT, 870.87
117+27.54	34.58' LT, 870.29
118+22.85	34.58' LT, 871.31
117+14.32	50.21' RT
117+14.20	60.00' RT
117+14.20	70.00' RT

FOR ANNIE GLIDDEN ROAD SUPERELEVATION LIMITS SEE TABLE SHEET 15

ANNIE GLIDDEN ROAD

VPI STA = 117+00
ELEV = 872.14
L = 600'
E = -1.85'
K = 243.79
2.81%
0.35%
VPT 120+00 873.19
PROP. ℄ PROFILE
EXIST. ℄ PROFILE
EXIST 16" WATER MAIN
EXIST. 16" WATER MAIN

	115+50	+75	116+00	+25	116+50	+75	117+00	+25	117+50	+75	118+00	+25	118+50	+75	119+00	+25	119+50	+75	120+00	120+50	121+00	121+50
EXIST. ℄ ELEVATIONS	866.99		868.05		869.04		869.91		870.70		871.36		871.86		872.20		872.56		872.86	873.05	873.16	873.30
PROP. ℄ ELEVATIONS	867.46	868.00	868.51	868.99	869.45	869.89	870.29	870.68	871.03	871.36	871.67	871.95	872.20	872.43	872.64	872.81	872.96	873.09	873.19	873.37	873.54	873.72

874 872 870 868 866 864 862 860 858 856

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	39
PLAN & PROFILE STA. 121+50 TO STA. 127+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

ANNIE GLIDDEN ROAD ℄ CURVE 4

PI STA. = 119+98.80
Δ = 19°-43'-30"
D = 03°-30'-00"
R = 1637.02'
T = 284.60'
L = 563.57'
E = 24.56'
SE = 3.11%
PC STA. = 117+14.20
PT STA. = 122+77.77

B.O.C. RADII – NE
2 CTR CURVE 20'-100'
15' O/S

GOLF COURT

BELLE VUE SUBDIVISION

GREEN VIEW P.U.D.

END IMPROVEMENT STA. 127+05 ANNIE GLIDDEN ROAD

MATCH LINE STA. 121+50 SHEET NO. 38

STA. 121+50 SAWCUT SHIFTS FROM 1' RT TO 21' RT

121+49.88 50.29' RT
121+50.54 60.00' RT
121+51.22 70.00' RT

PAUL J. ZGONENA TRUST & NANCY H. ZGONENA TRUST

ROBERT BRAZZLE & SARA GADDIS BRAZZLE

KATHLEEN DAHL

HIGHPOINTE DRIVE

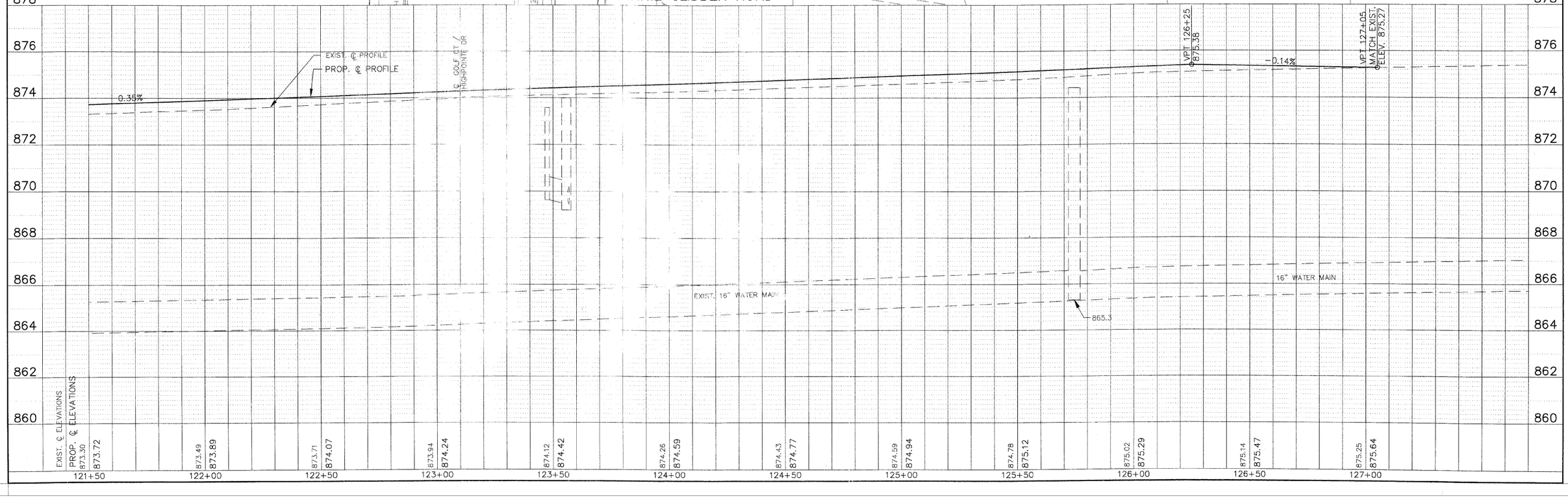
FOR ANNIE GLIDDEN ROAD SUPERELEVATION LIMITS SEE TABLE SHEET 15

STATION EQUATION
123+08.92 ANNIE GLIDDEN RD. = ℄ GOLF COURT
123+11.03 ANNIE GLIDDEN RD. = ℄ HIGHPOINTE DRIVE

SCALE: 1" = 20'

ANNIE GLIDDEN ROAD

878



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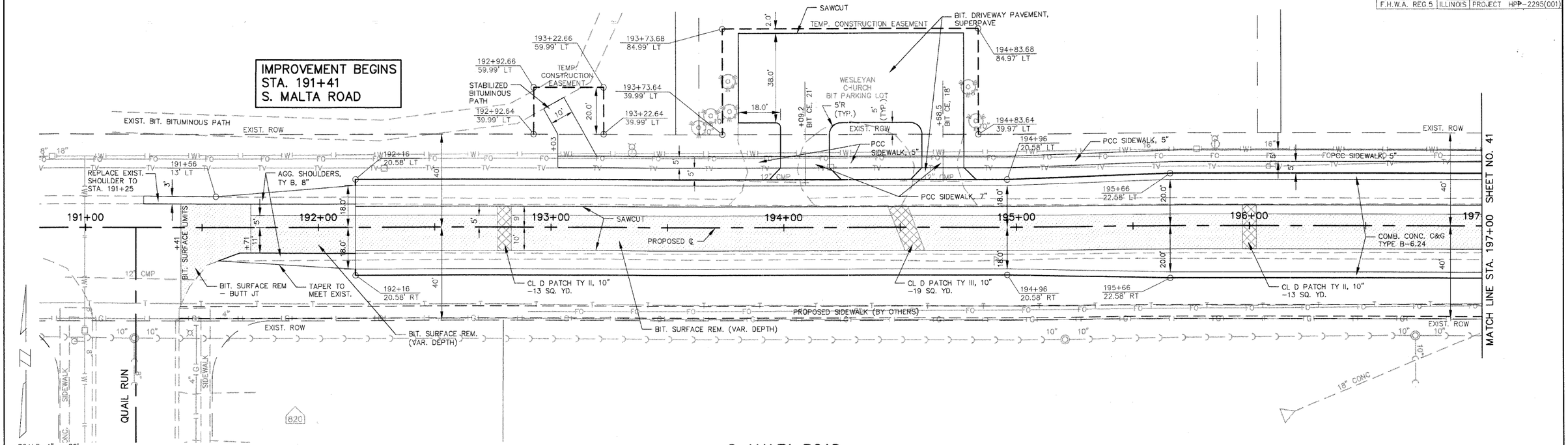
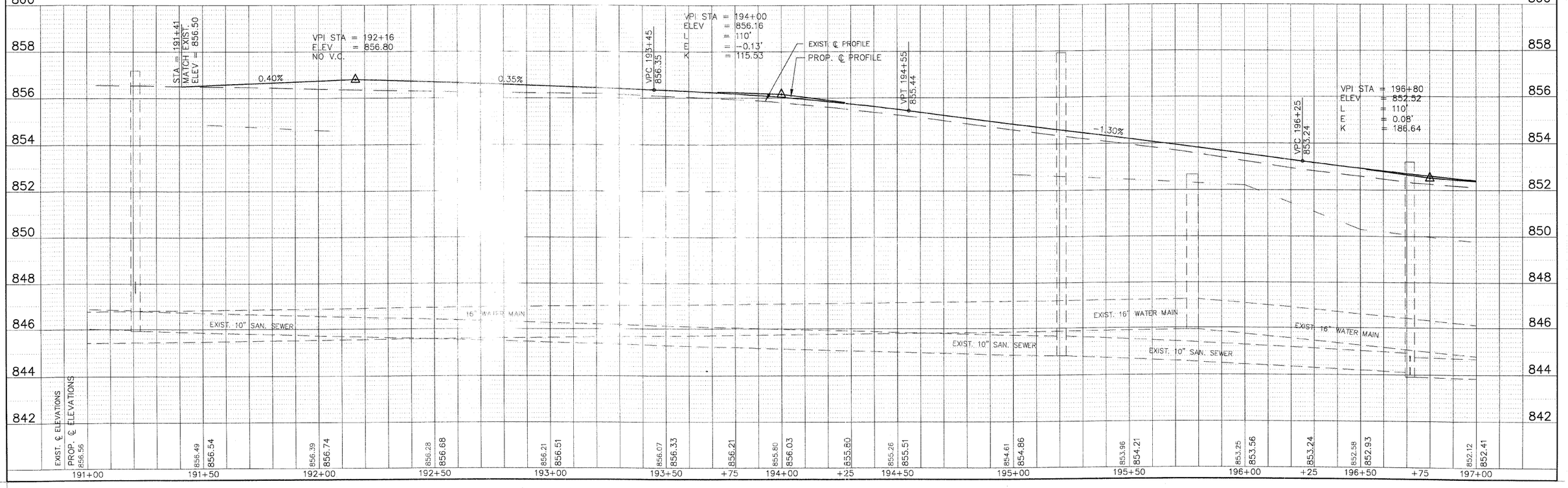
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	40
PLAN & PROFILE STA. 191+00 TO STA. 197+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

IMPROVEMENT BEGINS
STA. 191+41
S. MALTA ROAD



SCALE: 1" = 20'

S. MALTA ROAD



860
858
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848
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844
842

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F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87330 STATE SECTION 05-00160-00-WR	DEKALB	140	41
PLAN & PROFILE STA. 197+00 TO STA. 202+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

WIDEN & RESURFACE & S. MALTA ROAD PAVEMENT DESIGN

RECONSTRUCT & ANNIE GLIDDEN ROAD PAVEMENT DESIGN

BOC RADII – NW
3 CTR CURVE
120'–40'–200'
2'–10' O/S

BOC RADII – NE
3 CTR CURVE
100'–55'–260'
2'–10' O/S

BOC RADII – SW
3 CTR CURVE
100'–55'–260'
2'–10' O/S

BOC RADII – SE
3 CTR CURVE
100'–55'–260'
2'–10' O/S

MATCH LINE STA. 197+00 SHEET NO. 40

MATCH LINE STA. 199+25 SHEET NO. 36

MATCH LINE STA. 201+00 SHEET NO. 36

MATCH LINE STA. 202+50 SHEET NO. 41

197+58.65
44.94' LT

TEMP. CONSTRUCTION EASEMENT

+92.4 BIT CE, 38.5'

EXIST. ROW

5' PCC SIDEWALK, 5"

CURB RAMP (TYP.)
BIT. DRIVEWAY PAVEMENT SUPERPAVE

PCC DRIVEWAY PAVEMENT, 7"

COMB. C&G REM (TYP.)

SAWCUTS

PROP. ℄

CL D PATCH TY II, 10"
13 SQ. YD.

198+00

COMB. CONC. C&G TYPE B-6.24

BIT SURFACE REM (VAR DEPTH)

PROP. SIDEWALK (BY OTHERS)

EXIST. ROW

198+98.32
40.07' RT

199+16.58
27.02' RT
TC 851.02

PCC SIDEWALK, 5"

SAWCUT

198+20.15
44.94' LT

COMB. CONC. C&G TYPE B-6.12 (TYP.)

20'R (TYP.)

PCC SIDEWALK, 5"

198+55.79
22.58' LT
TC 851.26

MID 198+91.15
25.73' LT
TC 851.00

198+87.69
22.58' RT
TC 851.07

199+00

STATION EQUATION
107+49.77 ANNIE GLIDDEN RD. =
200+00 S. MALTA RD./TAYLOR STREET

SCALE: 1" = 20'

ANNIE GLIDDEN ROAD

EXIST. ROW

PROP. ROW

12"x18" ELIP. CMP

90°2'30"
90°26'26"
89°57'30"
89°33'34"

200+00

TAYLOR

GRAVEL

CLAY FIELD TILE

EXIST. ROW

PROP. ROW

201+13.48
65.00' LT

200+96.07
55.00' LT

PROP. PERMANENT EASEMENT

PROP. ROW

PCC SIDEWALK, 5"

EXIST. ROW

201+12.14
34.58' LT
TC 849.93

ANNIE GLIDDEN ROAD PAVEMENT DESIGN

TAYLOR STREET PAVEMENT DESIGN

COMB. CONC. C&G TYPE B-6.24

PROP. ℄

MID 201+14.90
25.77' RT
TC 850.16

201+55.50
22.58' RT
TC 849.57

202+00

SHOULDER

PCC SIDEWALK, 5"

EXIST. ROW

PROP. PERMANENT DRAINAGE EASEMENT

SIDEWALK REM

MATCH EXIST.

201+49.49
40.39' RT

WIDEN & RESURFACE RECONSTRUCT

S. MALTA ROAD / TAYLOR STREET

VPI STA = 197+35
ELEV = 852.13

EXIST. ℄ PROFILE
PROP ℄ PROFILE

0.71%

VPC 198+65
851.20

VPI STA = 199+15
ELEV = 850.85
L = 100'
E = 0.21'
K = 58.64
LOW POINT STA = 199+06.36
LOW POINT ELEV = 851.06

VPI 199+65
851.35

1.00%

VPI STA = 200+00
ELEV = 851.70
NO V.C.

-1.00%

VPC 200+32
851.38

ASYMMETRICAL VERTICAL CURVE
VPI STA = 200+62
ELEV = 851.08
L1 = 30'
L2 = 70'
E = 0.07'
K = 153.85

VPC 201+32
849.93

-1.65%

VPI STA = 201+92
ELEV = 848.94
L = 120'
E = 0.31'
K = 58.75
LOW POINT STA = 202+28.83
LOW POINT ELEV = 849.13

0.40%

VPT 202+52
849.18

EXIST. 15" STORM SEWER

EXIST. 15" SS

EXIST. 18" STORM SEWER

EXIST. 18" STORM SEWER

EXIST. 16" WATER MAIN (LT)

EXIST. 8" WATER MAIN (RT)

	197+00	197+50	198+00	198+50	+75	199+00	+25	199+50	200+00	200+50	+75	201+00	+25	201+50	+75	202+00	+25	202+50
EXIST. ℄ ELEVATIONS	852.12	851.75	851.44	851.19	851.14	850.69	851.09	850.16	849.62	849.18	850.82	848.88	850.04	848.76	849.38	848.77	849.13	848.88
PROP. ℄ ELEVATIONS	852.41	852.02	851.67	851.31		851.06		851.22	851.70	851.18		850.44		849.66		849.20		849.17

856 856

January 04, 2006 1:28:56 p.m.
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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	42
PLAN & PROFILE STA. 202+50 TO STA. 208+59				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

SCALE: 1" = 20'

MATCH LINE STA. 202+50 SHEET NO. 41

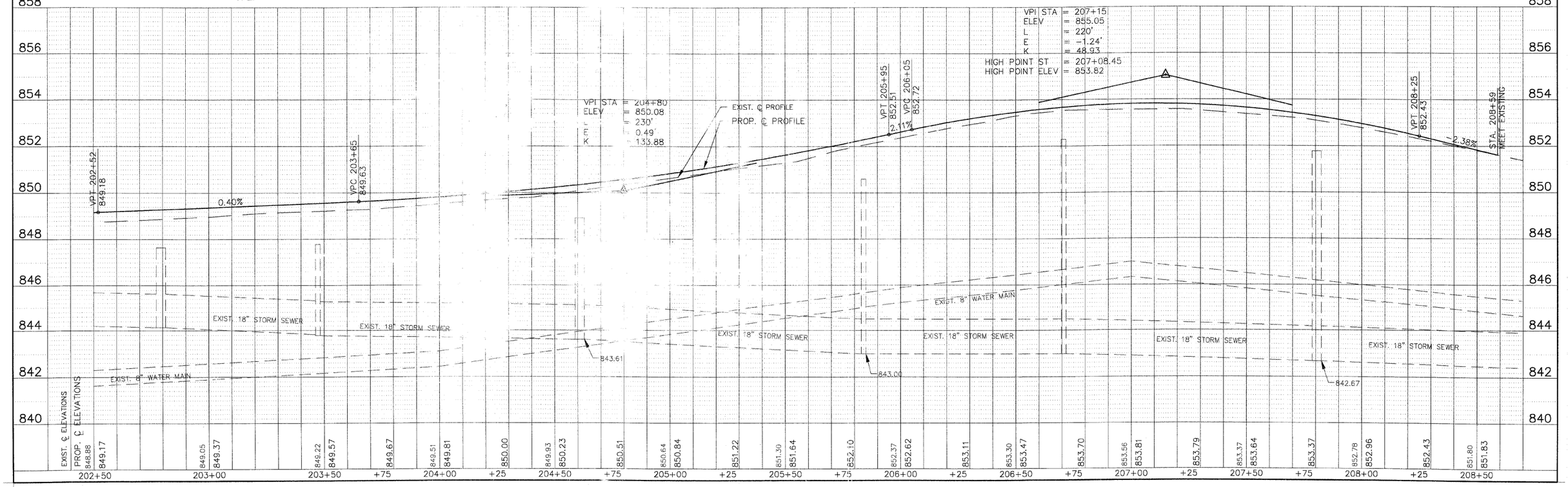
RECONSTRUCT WIDEN & RESURFACE

IMPROVEMENT ENDS STA. 208+59 TAYLOR STREET

ENTRANCE

SHARON DR.

TAYLOR STREET



858 858

January 04, 2006 1:33:20 p.m.
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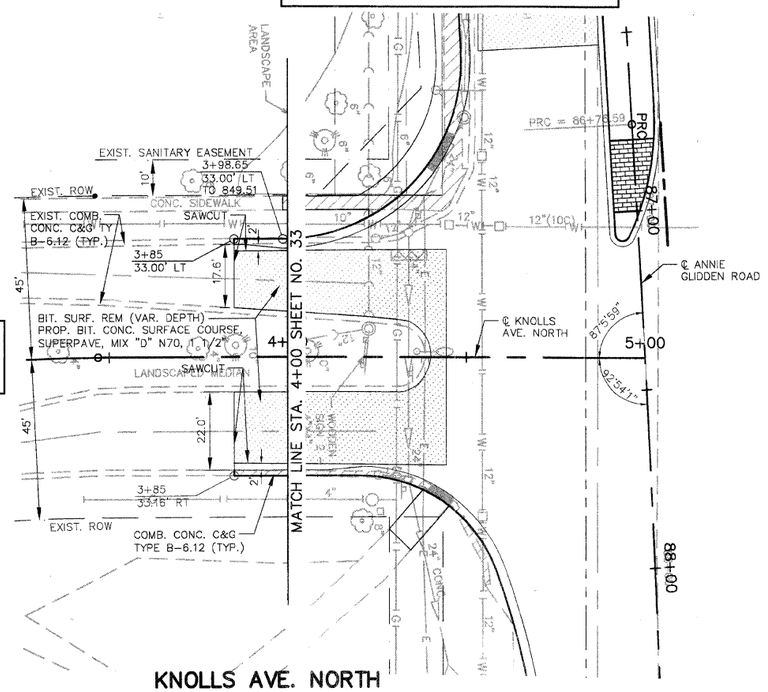
F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	67330 STATE SECTION 05-00160-00-WR	DEKALB	140	43

PLAN & PROFILE KNOLLS AVE. NORTH & SOUTH

F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)

STATION EQUATION
87+41.22 ANNIE GLIDDEN RD. =
5+00 KNOLLS AVE. NORTH

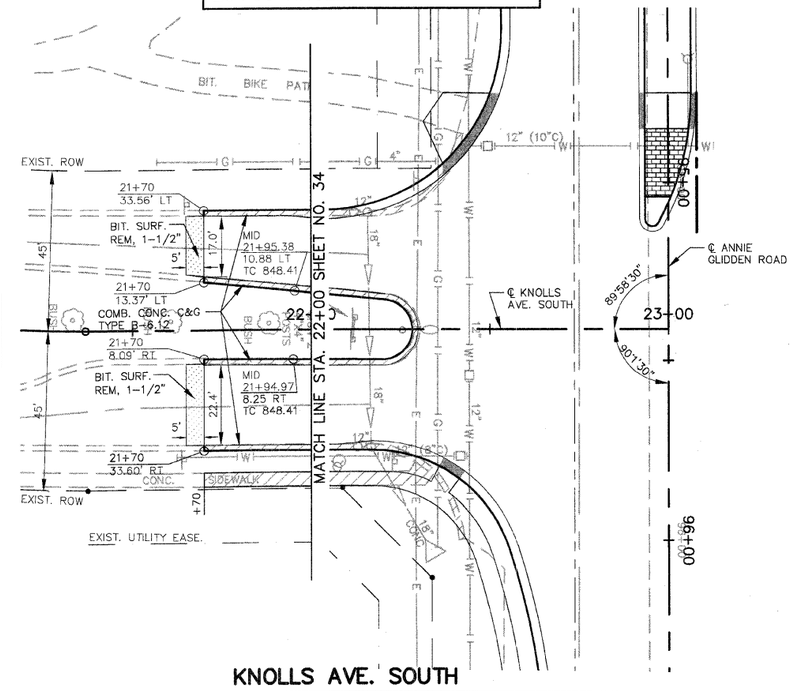
IMPROVEMENT BEGINS
STA. 3+85
KNOLLS AVE. NORTH



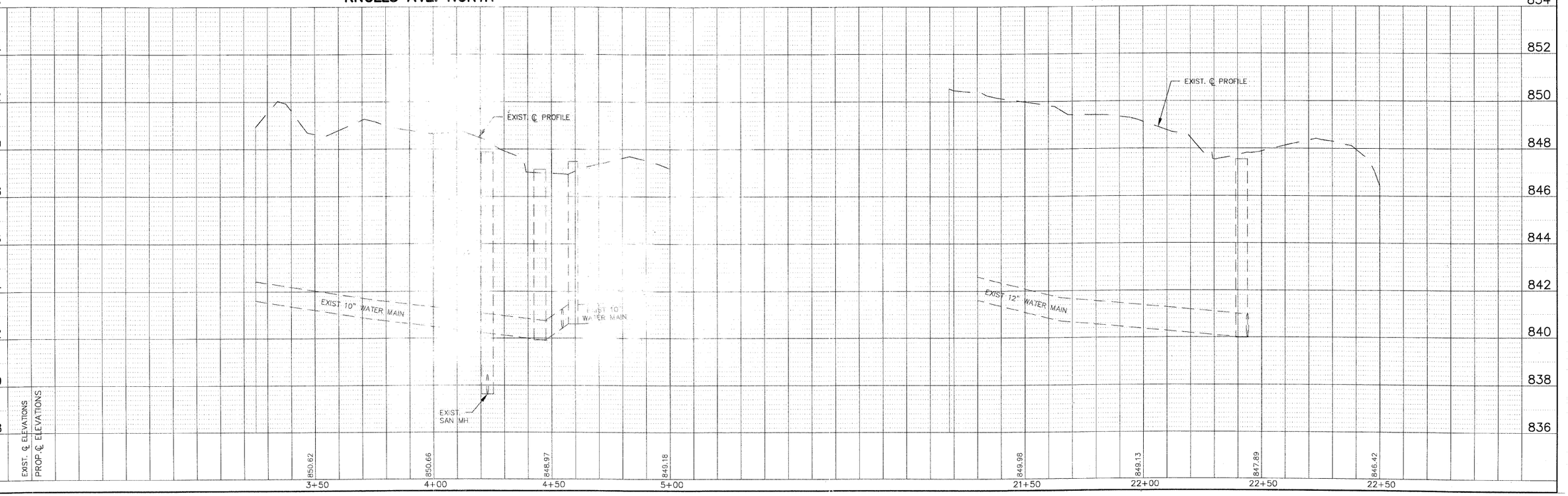
KNOLLS AVE. NORTH

STATION EQUATION
95+41.22 ANNIE GLIDDEN RD. =
23+00 KNOLLS AVE. SOUTH

IMPROVEMENT BEGINS
STA. 21+70
KNOLLS AVE. SOUTH



KNOLLS AVE. SOUTH



SCALE: 1" = 20'

856

854

January 04, 2006 1:35:00 p.m.
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F.A.U. ROUTE	CONTRACT NO. 97330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	44
UTILITY PLAN STA. 80+00 TO STA. 86+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

NOTE:
ALL STORM SEWER SHALL BE RCCP WITH RUBBER GASKET JOINTS OF THE TYPE AND CLASS SPECIFIED, UNLESS OTHERWISE NOTED.

ANNIE GLIDDEN ROAD ℄ CURVE 1

PI STA. = 84+51.17
Δ = 03°-22'-03"
D = 00°-45'-00"
R = 7639.00'
T = 224.55'
L = 448.96'
E = 3.30'
SE = N.C.
PC STA. = 82+26.63
PRC STA. = 86+75.59

WIDEN & RESURFACE | RECONSTRUCT

SCALE: 1" = 20'

IMPROVEMENT BEGINS STA. 81+15 ANNIE GLIDDEN ROAD

ANNIE GLIDDEN ROAD

MATCH LINE STA. 86+50 SHEET NO. 45

EXIST. ROW
PROP. ROW
TEMP. EASEMENT
EXIST. ℄
PROP. ℄
CURVE 1
PC
ADJ
ADJ-1C
CONC. RETAINING WALL
CONC. MEDIAN
EXIST. UTILITY EASEMENT
EXIST. SANITARY EASEMENT
BURIED
PROFILE GRADE LINE
+90 (LT)
BIT. PA.
CONC. SIDEWALK

81+00 | 82+00 | 83+00 | 84+00 | 85+00 | 86+00

12" SS TY1 RCCP CL IV 12' @ 1.67% TB 2.1 CY 12'

CB SPEC F&G SPEC, 2'x3' 82+00, 34.58' LT TC 852.53 INV 849.00

STORM MH A-1C, 5' DIA. 82+00, 21.6' LT± FR 852.36 INV E 848.80 INV W 848.50 INV N 841.97± EX INV S 841.97± EX

CB SPEC F&G SPEC, 2'x3' 82+00, 34.58' RT TC 852.53 INV 849.00

12" SS TY 1 RCCP CL IV 54' @ 0.93% TB 10.5 CY 54'

12" SS TY 1 RCCP CL IV 6' @ 3.33% TB 1.2 CY 6'

CB SPEC F&G SPEC, 2'x3' 85+50, 34.58' LT TC 852.18 INV E 847.80 INV W 848.60

STORM MH A-1C, 4' DIA. 85+50, 40.00' LT FR 851.30 INV W 847.60 INV S 847.50

12" SS TY 1 RCCP CL IV 33' @ 2.12% TB 3.8 CY 29'

12" SS TY1 RCCP CL IV 135' @ 0.81% TB 34.7 CY 135

FH W/AUX. VALVE & VALVE BOX 84+98, 39' LT

WATER MAIN, 6" 71 LIN. FT. TB 48.1 CY 71'

PIPE UNDERDRAINS, 6" 10' EACH @ 1.0% (TYP.)

CB C-1P, 2' DIA. 85+50, C.L. FR 852.47 INV 849.30

VV W/TAPPING VALVE & SLEEVE, 6" A-1C, 5' DIA. 84+98, 32' RT FR 852.44

CB SPEC F&G SPEC, 2'x3' 85+90, 46.58' RT TC 851.42 INV W 847.60

STORM SEWER REM, 10"

STORM SEWER REM, 15"

12" SS TY 1 RCCP CL IV 12' @ 0.83% TB 2.4 CY 12'

STORM MH A-8, 4' DIA. 85+95, 57' RT FR 850.00 INV E 847.50 INV S 847.30

15" SS TY 1 RCCP CL IV 95' @ 1.47% TB 4.4 CY 17'

24.0' | 15.2' | 12.0' | B+B | 24.0'* | 37'* | 32.0' | 55' | 16.0'

854 | 852 | 850 | 848 | 846 | 844 | 842 | 840 | 838 | 836

STA. = 81+15
ELEV. = MEET EXISTING

2.39%

VPC 81+50
851.75

VPI STA = 83+00
ELEV = 855.33
L = 300'
K = 84.74
HIGH POINT STA. = 83+52.30
HIGH POINT ELEV. = 854.16

EXIST. GROUND PROFILE
PROP. ℄ PROFILE

841.97±

EXIST. 42" STORM SEWER @ 0.60%

EXIST. 42" STORM SEWER @ 0.41%

840.49 (EXIST.)

15" SAN. SEWER

EXIST. 12" SAN. SEWER

EXIST. 12" WATER MAIN

VV W/TAPPING VALVE & SLEEVE, 6"

℄ EL. 853.87
PGL EL. 853.71

℄ +22
PGL
ELEV. ELEV.

VPT 84+50
℄ EL. 853.60
PGL EL. 853.44

PROP. PROFILE GRADE LINE (PGL)

APPROX. GROUND ELEV. AT FH/39' LT

1.15%

12" STORM SEWER @ 0.81% (LT)

12" STORM SEWER @ 0.81% (LT)

15" STORM SEWER @ 1.47% (RT)

847.50 (LT)

847.50 (RT)

847.30 (RT)

EXIST. 15" STORM SEWER

EXIST. GROUND ELEVATIONS
PROP. ℄ ELEVATIONS

	80+50	81+00	+25	81+50	+75	82+00	+25	82+50	+75	83+00	+25	83+50	+75	84+00	+25	84+50	85+00	85+50	86+00	86+50
EXIST. GROUND ELEVATIONS				850.91	851.69	852.31	852.57	852.79	853.20	853.37	853.54	853.81	853.66	854.00	854.12	853.74	854.16	854.13	853.60	854.03
PROP. ℄ ELEVATIONS				851.75													853.69 PGL	853.09	853.44 PGL	852.26	852.86 PGL	851.67	852.28 PGL	851.06	851.71 PGL	850.53	851.13 PGL

March 16, 2006 1:40:30 p.m.
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F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87330	DEKALB	140	45
	STATE SECTION 05-00160-00-WR			
UTILITY PLAN STA. 86+50 TO STA. 92+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

CB SPEC F&G SPEC, 2'x3' 86+85, 34.58' LT TC 850.63 INV NW 846.90 INV E 846.80

STORM MH A-1C, 4' DIA. 86+85, 40.00' LT FR 849.80 INV W 846.60 INV N 846.40 INV S 846.30

VACATED ROADWAY R.O.W.

12" SS TY 1 RCCP CL IV 36' @ 0.83% TB 4.2 CY 32'

12" SS TY 1 RCCP CL IV 6' @ 3.33% TB 0.8 CY 6'

15" SS TY 1 RCCP CL IV 128' @ 0.55% TB 30.2 CY 128'

EXIST. ROW

15" SS TY 1 RCCP CL IV 12' @ 1.11% TB 3.9 CY 11'

STONE RIPRAP CL A4 – 27 SQ. YD STA. 88+05 TO STA. 88+29

PRC FES, 15" 88+13, 58.00' LT INV. 844.90

STORM MH A-1C, 4' DIA. 88+13, 40.00' LT FR 848.90 INV N 845.60 INV W 845.50 INV E 845.10

STONE RIPRAP CL A4 – 43 SQ. YD TO 82' LT

CB SPEC F&G SPEC, 2'x3' 88+23, 34.58' LT TC 849.89 INV N 846.40

PRC FES, 48" W/GRATING 89+22, 58.00' LT INV. 843.15

12" SS TY 2 RCCP CL IV 10' @ 3.00% TB 1.5 CY 10'

CB A-24, 4' DIA. 89+32, 34.58' LT TC 850.22 INV NE 845.00

EXIST. PERM. EASEMENT

EXIST. ROW

12" SS TY 1 RCCP CL IV 16' @ 2.50% TB 1.8 CY 14'

CB SPEC F&G SPEC, 2'x3' 91+85, 34.58' LT TC 850.35 INV 846.80

STONE RIPRAP CL A3 – 8 SQ. YD. TO 66' LT

PRC FES, 12" 91+85, 56.00' LT INV. 846.40

CB C-1P, 2' DIA. 86+70 C.L. FR 851.10 INV 847.20

REM EXIST. WATER MAIN

CAP & BLOCK ABANDON WATER MAIN

12" SS TY 1 RCCP CL IV 6' @ 1.67% TB 1.4 CY 6'

CB SPEC F&G SPEC, 2'x3' 88+13, 34.58' LT TC 849.90 INV E 845.60 INV S 846.20

PIPE UNDERDRAINS, 6" 10' EACH @ 1.0% (TYP.)

12" SS TY 1 RCCP CL IV 10' @ 2.00% TB 1.3 CY 10'

45° LATERAL FIELD JOINT SEE DETAIL

PROP. ℄ CURVE 2

STORM SEWER REM, 42" (EQUIV. ROUND SIZE)

PROFILE GRADE LINE

PRC

87+00

88+00

89+00

90+00

91+00

PT

92+00

32.0'

24.0'

54'

20'

66'

15'

5'

MATCH LINE STA. 86+50 SHEET NO. 44

MATCH LINE STA. 92+50 SHEET NO. 46

CB SPEC F&G SPEC, 2'x3' 88+13, 40.45' RT TC 849.89 INV 846.20

CB SPEC F&G SPEC, 2'x3' 88+23, 38.08' RT TC 849.79 INV N 846.10 INV W 846.00

12" SS TY 1 RCCP CL IV 10' @ 3.00% TB 0.4 CY 3'

EXIST. ℄

45° LATERAL FIELD JOINT SEE DETAIL

12" SS TY 2 RCCP CL IV 10' @ 3.40% TB 1.3 CY 10'

CB SPEC F&G SPEC, 2'x3' 91+85, 41.77' RT TC 850.17 INV 846.00

45° BEND CAP & BLOCK (TYP.)

92°54'41"

CONNECT TO EXIST. VALVE IN VAULT

ADJ-1C

12"x12"x10" TEE

VV W/GATE VALVE, 12" A-1C, 5' DIA. 87+92, 54.00' RT FR 849.50

WATER MAIN, 12" 110 LIN. FT. TB 99.5 CY 110'

STONE RIPRAP CL A4 – 33 SQ. YD TO STA. 88+67

48" SS TY 1 RCCP CL II 96' @ 0.22% TB 37.2 CY 90'

CB A-24, 4' DIA. 89+37, 34.58' RT TC 850.24 INV NE 845.20

ABANDON WATER MAIN

STONE RIPRAP CL A3 – 14 SQ. YD. – STA. 91+75 TO STA. 91+90

STORM MH A-24, 5' DIA. 86+89.88 63.34' RT TC 849.45 INV N 845.90 INV SW 845.70 INV S 844.70

STORM SEWER REM, 24"

11-1/4° BEND

STONE REIPRAP CL A3 – 15 SQ. YD STA. 89+25 TO STA. 89+37

STORM SEWER REM, 24" & FES REM

EXIST. ROW

FH TO BE MOVED 86+55, 55' RT

CONNECT TO EXIST.

REC-24

12"x12"x6" TEE

ADJ-24

FH W/AUX. VALVE & VALVE BOX 88+10, 69' RT

EXIST. UTILITY EASEMENT

WATER MAIN, 12" 460 LIN. FT.

12" SS TY 1 RCCP CL IV 10' @ 2.50% TB 0.4 CY 3'

12" SS TY 1 RCCP CL IV 10' @ 1.00% TB 1.3 CY 10'

RECONSTRUCT

STORM SEWER REM, 12"

REMOVE EXIST. WATER MAIN

CONNECT TO EXIST.

00 KNOLLS AVE. NORTH

MATCH LINE STA. 4+00 SHEET NO. 55

CB SPEC F&G SPEC, 2'x3' 86+97.89 71.70' RT TC 849.35 INV 845.80

WATER MAIN, 10" 43 LIN. FT. TB 33.2 CY 43'

VV W/GATE VALVE, 10" A-1C, 5' DIA. 4+05, 37.00' LT FR 849.50

PIPE UNDERDRAINS, 6" 10' EACH @ 1.0% (TYP.)

SCALE: 1" = 20'

24" SS TY 1 RCCP CL IV 57' @ 0.32% TB 7.7 CY 20'

12" SS TY 1 RCCP CL IV 10' @ 1.00% TB 1.3 CY 10'

STORM MH A-1C, 5' DIA. 88+27, 47' RT FR 849.30 INV NW 844.10 INV NE 845.70 INV S 844.00

PRC FES, 24" W/GRATING 88+50, 54.00' RT INV. 843.90

24" SS TY 1 RCCP CL IV 18' @ 0.42%

24" SS TY 2 RCCP CL IV 19' @ 0.30%±

CONNECT TO EXIST.

PRC FES, 24" W/GRATING 89+32.5, 65.2' RT INV. 844.05

PRC FES, 48" W/GRATING 89+31, 54.00' RT INV. 843.40

PRC FES, 12" 91+85, 58.00' RT INV. 845.60

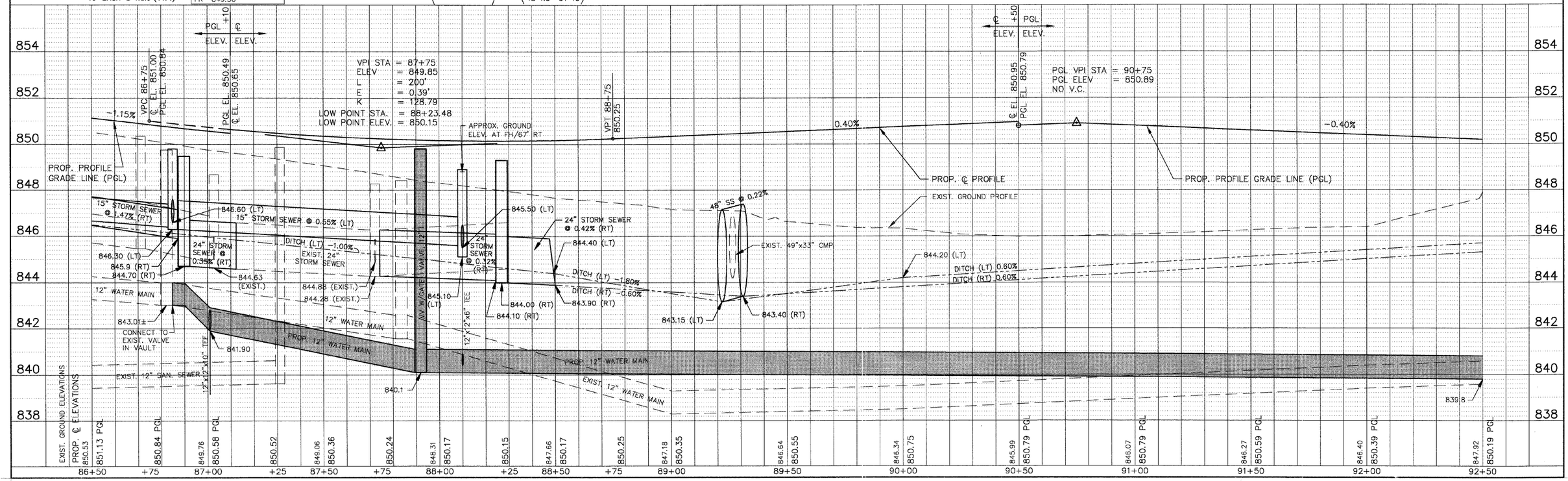
ANNIE GLIDDEN ROAD

STATION EQUATION
87+41.22 ANNIE GLIDDEN RD. = 5+00 KNOLLS AVE. NORTH

ANNIE GLIDDEN ROAD ℄ CURVE 2

PI STA. = 89+00.14
PRC STA. = 86+75.59
PT STA. = 91+24.55

Δ = 03°-22'-03"
D = 00°-45'-00"
R = 7639.00'
T = 224.55'
L = 448.96'
E = 3.30'
SE = N.C.



F.A.U. ROUTE	CONTRACT NO. 87330 STATE SECTION 05-00160-00-WR	COUNTY	TOTAL SHTS.	SHEET NO.
5348	05-00160-00-WR	DEKALB	140	46
UTILITY PLAN STA. 92+50 TO STA. 98+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

January 18, 2006 9:33:51 a.m.
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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	47
UTILITY PLAN STA. 98+50 TO STA. 104+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

CITY OF DEKALB

STONE RIPRAP, CL A3 TO 78' LT – 8 SQ. YD.

PRC FES, 15" 99+00, 68.00' LT INV 846.30

15" SS TY 2 RCCP CL IV 29' @ 2.29% TB 5.4 CY 23'

CB SPEC F&G SPEC, 2'x3' 99+05, 34.58' LT TC 852.05 INV SW 847.20 INV E 847.10

CB A-1P, 4' DIA. 99+45, 2.00' RT FR 852.50 INV NE 847.50 INV NW 847.60

12" SS TY 2 RCCP CL IV 53' @ 0.57% TB 7.0 CY 53'

① STORM MH W/SLIP-ON CHECK VALVE, 12" ON 12" RCCP ONLY A-1C, 5' DIA. 103+49, 98.6' LT FR 848.00 INV S 843.40 W/CHECK VALVE INV N 843.40

PROP. PERMANENT EASEMENT

PROP. ROW

PROFILE GRADE LINE

PIPE UNDERDRAINS, 6" 10' EACH @ 1.0% (TYP.)

EXIST. ROW

MATCH LINE STA. 98+50 SHEET NO. 46

99+00 100+00 101+00 102+00 103+00 104+00

CB C-1P, 2' DIA. 101+15, 2.00' LT FR 852.20 INV 849.00

STORM SEWER REM, 15"

FH W/AUX. VALVE AND VALVE BOX 101+00, 59.00' RT

CB SPEC F&G SPEC, 2'x3' 99+05, 39.01' RT TC 851.94 INV 847.90

EXIST. UTILITY EASEMENT

12" SS TY 2 RCCP CL IV 54' @ 0.56% TB 7.1 CY 54'

SCALE: 1" = 20'

WATER MAIN, 12" 600 LIN. FT. TB 20.9 CY 16'

WATER MAIN, 6" 17 LIN. FT.

12"x12"x6" TEE

PRC FES, 12" 101+90, 65.00' RT INV 847.60

STONE RIPRAP, CL A3 – 14 SQ. YD STA. 101+85 TO STA. 102+00

PRC FES, 12" 101+90, 66.00' LT INV 846.00

12" SS TY 1 RCCP CL IV 27' @ 3.03% TB 5.7 CY 19'

CB SPEC F&G SPEC, 2'x3' 101+90, 34.58' LT TC 851.41 INV E 847.00 INV NW 847.80

12" SS TY 1 RCCP CL IV 81' @ 1.48% TB 10.3 CY 78'

CB SPEC F&G SPEC, 2'x3' 101+90, 46.58' RT TC 851.11 INV 847.80

12" SS TY 1 RCCP CL IV 14' @ 1.00% TB 1.8 CY 14'

STORM SEWER REM, 21" CMP

EXIST. ℄

2-45° BENDS (PAID FOR AS 48" SS TY 2 S60 R38 RCEP– SEE DETAIL)

15" CONC

STORM SEWER REM, 15"

EXIST. UTILITY EASEMENT

STONE RIPRAP, CL A3 – 14 SQ. YD STA. 101+85 TO STA. 102+00

STORM MH, W/ECCENT. FL SLAB TOP A-1C, 7' DIA. 103+07, 50.00' RT (FR CENTER) FR 849.90 INV N 843.40; INV S 843.40

PRC FES, 48" EQ. ELL. W/GRATING 102+95, 73.00' LT INV 843.30

STONE RIPRAP, CL A6 TO 105' LT – 98 SQ. YD.

48" SS TY 2 S60 R38 RCEP CL HE-1 MASTIC JOINTS 123' @ 0.08% TB 35.6 CY 114'

45° LATERAL FIELD JOINT (SEE DETAIL)

STONE RIPRAP, CL A4 MATCH ADJACENT RIPRAP LIMIT – 45 SQ. YD.

12" SS TY 2 RCCP CL IV 14' @ 2.86% TB CY 14'

48" SS TY 1 RCCP CL II 108' @ 0.28% TB 88.6 CY 108'

PRC FES, 15" W/GRATING 103+30, 102.4' LT INV 843.30

PRC FES, 18" 103+20, 84.00' LT INV 843.50

15" SS TY 1 RCCP CL IV 13' @ 0.77%

12" SS TY 1 RCCP CL IV 25' @ 0.40%

PRC FES, 12" W/GRATING 103+80, 92.5' LT INV 843.50

STORM MH A-1C, 4' DIA. 104+20, 53.00' LT FR 849.30 INV W 846.00 INV NE 843.90 INV S 844.00

PROP. ROW

PROP. ℄

PIPE UNDERDRAINS, 6" 10' EACH @ 1.0% (TYP.)

18" SS TY 2 RCCP CL IV 99' @ 0.38% TB 6.9 CY 10'

12" SS TY 1 RCCP CL IV 20' @ 2.50% TB 4.6 CY 20'

12" SS TY 1 RCCP CL IV 10' @ 1.00% TB 1.3 CY 10'

CB A-24, 4' DIA. 103+05, 34.58' LT TC 850.66 INV 843.70

CB C-24, 2' DIA. 104+20, 46.58' RT TC 849.95 INV S 846.40 INV NW 846.30

ABANDON EXIST. WATER MAIN

12" SS TY 1 RCCP CL IV 6' @ 1.67% TB 0.7 CY 6'

STORM MH W/ECCENT. FL SLAB TOP A-1C, 7' DIA. 104+15, 50.00' RT (FR CENTER) FR 850.00 INV S 843.80; INV N 843.70 INV SE 846.20; INV W 846.00

PRC FES, 18" 104+15, 65.00' RT INV 846.20

18" SS TY 1 RCCP CL IV 9' @ 1.33% TB 2.7 CY 9'

18" SS TY 2 RCCP CL IV 120' @ 0.33% TB 77.6 CY 120'

CB SPEC F&G SPEC, 2'x3' 104+20, 34.58' LT TC 850.25 INV S 846.60 INV E 846.50

CB SPEC F&G SPEC, 2'x3' 104+30, 34.58' LT TC 850.26 INV 846.70

MATCH LINE STA. 104+50 SHEET NO. 48

18" SS TY 1 RCCP CL II 360' @ 0.28% TB 253.4 CY 360'

CB C-24, 2' DIA. 104+30, 46.58' RT TC 849.96 INV 846.50

ANNIE GLIDDEN ROAD

PGL VPI STA = 100+20
PGL ELEV = 852.61
L = 170'
E = 0.22'
K = 161.90
HIGH POINT STA = 99+99.76
HIGH POINT ELEV = 852.40

PGL VPT 99+35 852.27

PGL VPT 101+05 852.76

VPI STA = 104+00
ELEV = 850.30
L = 170'
E = 0.22'
K = 161.90
LOW POINT STA = 104+20.24
LOW POINT ELEV = 850.51

VPC 103+15 850.85

0.40%

-0.65%

PROP. PROFILE GRADE LINE (PGL)

APPROX. GROUND AT FH / 59' RT

PROP. ℄ PROFILE

EXIST. GROUND PROFILE

℄ EL. 851.49
PGL ELEV. 851.33
PGL +17

849.00 (RT)

DITCH (RT) @ 0.6%

DITCH (RT) @ 2.50%

847.00 (RT)

PROP. 12" WATER MAIN

EXIST. 12" WATER MAIN

12"x12"x6" TEE

841.6

841.5

EXIST. 21" CMP

48" STORM SEWER @ 0.28% (RT)

18" STORM SEWER @ 0.38% (LT)

48" EQRS P CULV @ 0.08%

843.50 (LT)

843.40 (RT)

DITCH (RT) @ 2.0%

18" STORM SEWER @ 0.28% (RT)

DITCH 846.00 (RT)

846.00 (RT)

18" STORM SEWER @ 0.33% (LT)

843.70 (RT)

843.80 (RT)

844.00 (LT)

843.90 (LT)

840.2

EXIST. 12" WATER MAIN

	EXIST. GROUND ELEVATIONS	PROP. ℄ ELEVATIONS
98+50		846.93
	851.93 PGL	
99+00	847.57	
	852.13 PGL	
99+50	848.35	
	852.32 PGL	
+75	852.38 PGL	
100+00	849.20	
	852.40 PGL	
+25	852.38 PGL	
100+50	849.32	
	852.32 PGL	
+75	852.22 PGL	
101+00	849.46	
	852.09 PGL	
101+50	849.09	
	851.77 PGL	
102+00	848.74	
	851.44 PGL	
102+50	848.19	
	851.27	
103+00	847.60	
	850.95	
+25	850.79	
103+50	847.43	
	850.66	
+75	850.57	
104+00	847.74	
	850.52	
+25	850.51	
104+50	847.78	
	850.54	

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	48
UTILITY PLAN STA. 104+50 TO STA. 109+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

STATION EQUATION
107+49.77 ANNIE GLIDDEN RD. =
200+00 S. MALTA RD/TAYLOR ST

STORM MH
A-1C, 4' DIA.
105+40, 53.00' LT
FR 849.70
INV W 846.10
INV S 844.50
INV N 844.40

STORM MH
A-1C, 4' DIA.
106+36, 53.00' LT
FR 850.50
INV SW 846.90
INV SE 845.00
INV N 844.90

STORM MH
A-1C, 4' DIA.
200+97, 50.00' LT
FR 848.40
INV SW 845.50
INV NW 845.30
INV E 845.30

MATCH LINE STA. 201+00 SHEET NO. 53

FH W/AUX. VALVE & VALVE BOX
200+92, 44.00' RT

WATER MAIN, 6"
34 LIN. FT.
TB 26.6 CY 34'

CB SPEC
F&G SPEC, 2'x3'
200+90, 37.06' LT
TC 850.08
INV 845.90

CB SPEC
F&G SPEC, 2'x3'
108+25, 38.10' LT
TC 852.38
INV W 848.80

CB SPEC
F&G SPEC, 2'x3'
109+15, 34.58' RT
TC 852.07
INV 848.60

PROP. PERMANENT EASEMENT

18" SS TY 2 RCCP CL IV 96' @ 0.42% TB 65.7 CY 96'

15" SS TY 1 RCCP CL IV 78' @ 0.38% TB 3.3 CY 10'

PROP. ROW

20'

55'

32'

44'

66'

10'

5'

12" SS TY 1 RCCP CL IV 20' @ 2.5% TB 4.3 CY 20'

12" SS TY 1 RCCP CL IV 19' @ 2.63% TB 4.9 CY 19'

EXIST. R.O.W.

CB SPEC
F&G SPEC, 2'x3'
106+50, 40.31' LT
TC 851.04
INV 847.40

STORM SEWER REM, 18" (EQ. ROUND SIZE)

12" SS TY 1 RCCP CL IV 15' @ 2.67% TB 3.5 CY 15'

STORM SEWER REM, 18"

8"x8"x6" TEE

VV W/GATE VALVE, 8"
A-1C, 5' DIA.
107+57, 40.00' RT
FR 851.34

12" SS TY 1 RCCP CL IV 77' @ 0.52% TB 10.1 CY 77'

EXIST. R.O.W.

36" SS TY 1 RCCP CL III 85' @ 0.94% TB 73.6 CY 85'

MATCH LINE STA. 104+50 SHEET NO. 47

105+00

106+00

107+00

108+00

109+00

MATCH LINE STA. 109+50 SHEET NO. 49

PC CURVE 3

PROP. ℄

EXIST. ℄

CB SPEC
F&G SPEC, 2'x3'
105+40, 34.58' LT
TC 850.60
INV 846.60

CB
C-24, 2' DIA.
106+60, 46.58' RT
TC 850.78
INV 846.30

STORM SEWER REM, 15" (EQ. ROUND SIZE)

WATER MAIN, 8"
140 LIN. FT.
TB 132.5 CY 140'

WATER MAIN, 8"
23 LIN. FT.
TB 25.0 CY 23'

WATER MAIN, 16"
278 LIN. FT.
TB 146.9 CY 115'

REMOVE EXIST. WATER MAIN

CB SPEC
F&G SPEC, 2'x3'
108+30, 42.24' RT
TC 851.98
INV E 848.40
INV W 848.10

48" SS TY 1 RCCP CL II 55' @ 0.18% TB 22.8 CY 55'

45° BENDS

12" SS TY 1 RCCP CL III 8' @ 2.50% TB 1.1 CY 8'

PIPE UNDERDRAINS, 6" 10' EACH @ 1.0% (TYP.)

12" SS TY 1 RCCP CL IV 10' @ 3.00% TB 1.3 CY 10'

36" SS TY 1 RCCP CL III 90' @ 1.00% TB 64.6 CY 90'

12" SS TY 1 RCCP CL IV 28' @ 2.50% TB 4.2 CY 28'

ABANDON EXIST. WATER MAIN

12" SS TY 2 RCCP CL IV 6' @ 3.33% TB 0.9 CY 6'

45° LATERAL FIELD JOINT (SEE DETAIL)

CAP & BLOCK

45° LATERAL FIELD JOINT (SEE DETAIL)

LOCATE & CONNECT EXIST CLAY DRAIN TILE

WATER MAIN, 6"
5 LIN. FT.

CAP & BLOCK

22 1/2° BENDS

CONNECT TO EXIST.

STORM MH
A-1C, 5' DIA.
109+15, 43.00' RT
FR 851.90
INV E 848.30
INV S 846.00
INV N 845.80

WATER MAIN, 12"
258 LIN. FT.
TB 92.7 CY 85'

STORM SEWER REM, 8"

22-1/2° BENDS

EXIST. UTILITY EASEMENT

CB
C-11V, 2' DIA.
105+56, 70.00' RT
TC 849.95
INV SW 847.53± EX.
INV NE 846.60

PROP. TEMP. EASEMENT

CONNECT EXIST. 8" IRON PIPE

ANNIE GLIDDEN ROAD

S. MALTA ROAD

16"x16"x16" TEE

16"x16"x8" TEE

16" TO 12" REDUCER

45° BEND

WATER MAIN, 16"
6 LIN. FT.
TB 6.9 CY 6'

VV W/BUTTERFLY VALVE, 16"
CONNECT TO EXIST.
A-1C, 6' DIA.
107+06, 68.00' RT
FR 850.90

STORM MH
A-1C, 7' DIA.
107+75, 50.00' RT
FR 851.30
INV W 844.90
INV N 844.80
INV S 844.80

STORM MH
A-1C, 7' DIA.
108+30, 50.00' RT
FR 851.60
INV E 847.90
INV SW 847.50
INV S 845.00
INV N 844.90

ADJ-1C

12" SS TY 1 RCCP CL IV 25' @ 2.00% TB 6.9 CY 25'

CB
C-8, 2' DIA.
108+50, 66.00' RT
FR 850.00
INV 848.00

PVC CASING PIPE, 30" 50 LIN. FT.

FH W/AUX. VALVE & VALVE BOX
109+00, 61.00' RT

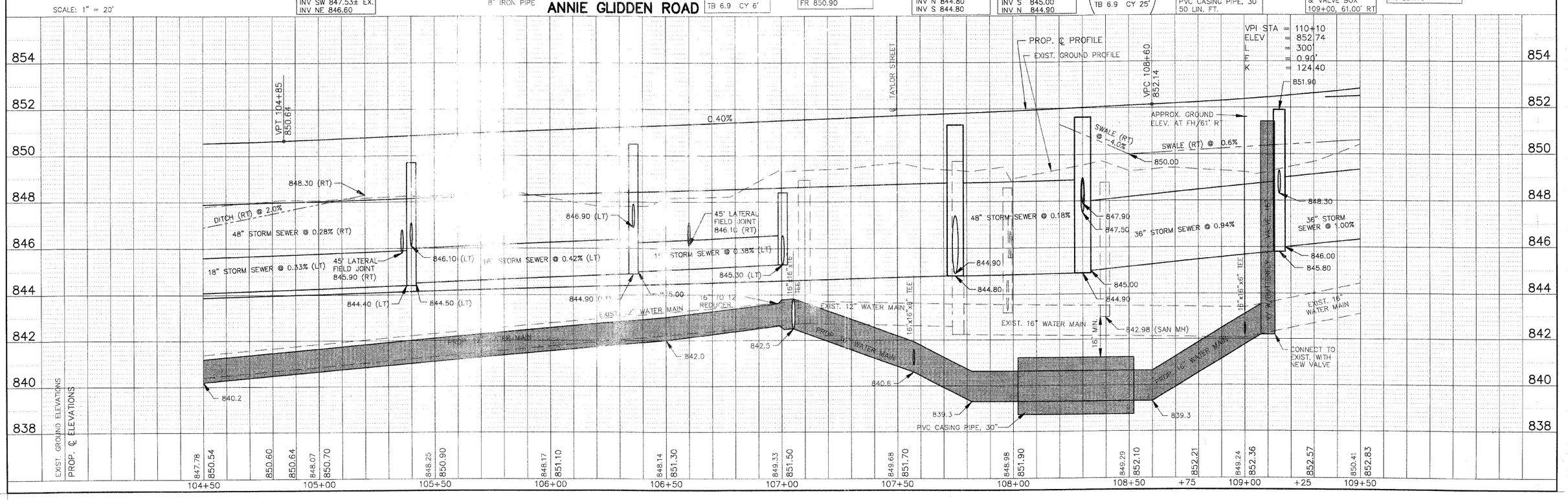
VV W/BUTTERFLY VALVE, 16"
A-1C, 6' DIA.
109+10, 67.00' RT±
FR 851.40

EXIST. R.O.W.

16"x16"x6" TEE

SCALE: 1" = 20'

ANNIE GLIDDEN ROAD ℄ CURVE 3
PI STA. = 110+97.43
Δ = 19°-40'-01"
D = 05°-59'-58"
R = 955.00'
T = 165.53
L = 327.81'
E = 14.24'
SE = 3.85%
PC STA. = 109+31.89
PT STA. = 112+59.70



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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	49
UTILITY PLAN STA. 109+50 TO STA. 115+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

MATCH LINE STA. 109+50 SHEET NO. 48

MATCH LINE STA. 115+50 SHEET NO. 50

CB SPEC
F&G SPEC, 2'x3'
110+05, 34.58' LT
TC 855.18
INV 851.20

12" SS TY 1
RCCP CL IV
66' @ 3.03%
TB 8.7 CY 66'

CB SPEC
F&G SPEC, 2'x3'
111+85, 34.58' LT
TC 859.27
INV 855.80

STUMPS

12" SS TY 1
RCCP CL IV
66' @ 3.79%
TB 8.7 CY 66'

CB SPEC
F&G SPEC, 2'x3'
111+85, 34.58' RT
TC 856.81
INV E 853.30
INV W 853.20

PIPE UNDERDRAINS, 6"
10' EACH @ 1.0% (TYP.)

CB SPEC
F&G SPEC, 2'x3'
110+05, 34.58' RT
TC 852.72
INV E 849.20
INV W 849.10

PIPE UNDERDRAINS, 6"
10' EACH @ 1.0% (TYP.)

12" SS TY 1
RCCP CL IV
10' @ 2.00%
TB 0.6 CY 4'

12" SS TY 1
RCCP CL IV
22' @ 0.91%
TB 3.6 CY 17'

CB
C-8, 2' DIA
110+00, 64.00' RT
TC 851.10
INV 848.50

STORM MH
A-1C, 5' DIA.
110+05, 43.00' RT
FR 852.50
INV E 848.90
INV W 848.30
INV S 847.50
INV N 846.90

30" SS TY 2
RCCP CL III
170' @ 1.35%
TB 120.0 CY 170'

STORM MH
A-1C, 5' DIA.
111+85, 52.00' RT
FR 856.30
INV E 852.40
INV S 851.80
INV N 849.80

12" SS TY 1
RCCP CL IV
20' @ 4.00%
TB 2.6 CY 20'

30" SS TY 2
RCCP CL III
170' @ 1.35%
TB 30.8 CY 50'

CB SPEC
F&G SPEC, 2'x3'
113+70, 34.58' LT
TC 863.24
INV 859.70

12" SS TY 1
RCCP CL IV
67' @ 0.60%
TB 8.8 CY 67'

STORM MH
A-8, 5' DIA.
113+55, 56.00' RT
FR 860.10
INV E 856.80
INV N 854.10
INV S 855.20

12" SS TY 2
RCCP CL IV
23' @ 3.50%
TB 3.2 CY 18'

30" SS TY 2
RCCP CL III
175' @ 0.80%

CB SPEC
F&G SPEC, 2'x3'
113+60, 34.58' RT
TC 862.48
INV E 859.30
INV W 857.60

CB SPEC
F&G SPEC, 2'x3'
115+30, 34.58' LT
FR 866.91
INV S 863.40
INV W 863.30

12" SS TY 1
RCCP CL IV
90' @ 2.67%
TB 11.8 CY 90'

12" SS TY 1
RCCP CL IV
66' @ 0.91%
TB 8.7 CY 66'

12" SS TY 2
RCCP CL IV
22' @ 3.64%
TB 6.1 CY 18'

CB SPEC
F&G SPEC, 2'x3'
115+30, 34.58' RT
TC 866.91
INV E 862.70
INV W 861.00

STORM MH
A-8, 5' DIA.
115+30, 56.00' RT
FR 865.70
INV N 856.60
INV S 856.70
INV E 860.20

RECONSTRUCT | WIDEN & RESURFACE

PROP. ROW
EXIST. ROW
CURVE 3
PT
PROP. ℄
EXIST. ℄
PROP. PERM DRAINAGE EASEMENT
SCALE: 1" = 20'

ANNIE GLIDDEN ROAD

VPI STA = 110+10
ELEV = 852.74
L = 300'
E = 0.90'
K = 124.40

EXIST GROUND/℄ ELEVATIONS
PROP. ℄ ELEVATIONS

EXIST GROUND/℄ ELEVATIONS	850.41	852.83		853.13		849.83	853.49		853.89		851.07	854.35		854.86		852.93	855.42		856.02		855.49	856.68		857.43	858.08		859.11	859.49		860.42	860.89		861.80	862.30		863.27	863.71
PROP. ℄ ELEVATIONS																																			
	109+50		+75		110+00			+25		110+50			+75		111+00			+25		111+50			112+00			112+50			113+00			113+50			114+00	

	864.40		864.62	865.06		865.70		865.91	866.31		866.90		866.99	867.46																						
		+25		114+50			+75		115+00			+25		115+50																						

858 856 854 852 850 848 846 844 842

VPI 111+60
856.96

VPC 114+00
863.71

2.81%

EXIST GROUND PROFILE
PROP ℄ PROFILE

853.00 (RT)
852.50
851.10 (RT)
SWALE (RT) @ 1.0%
SWALE (RT) @ 1.9%
SWALE (RT) @ 2.0%
854.0 (RT)
856.30
857.00 (RT)
30" STORM SEWER @ 1.35%
36" STORM SEWER @ 1.00%
848.90
848.30
847.50
846.90
EXIST 36" WATER MAIN

EXIST ℄ PROFILE
PROP. ℄ PROFILE
860.1 (RT)
SWALE (RT) @ 3.4%
SWALE (RT) @ 2.0%
SWALE (RT) @ 4.0%
861.9 (RT)
862.9 (RT)
864.9 (RT)
865.7 (RT)
856.80
855.20
854.10
860.20
856.70
856.60
30" STORM SEWER @ 0.80%
30" STORM SEWER @ 1.35%
EXIST 16" WATER MAIN
18" MIN.

March 17, 2006 10:24:28 a.m.
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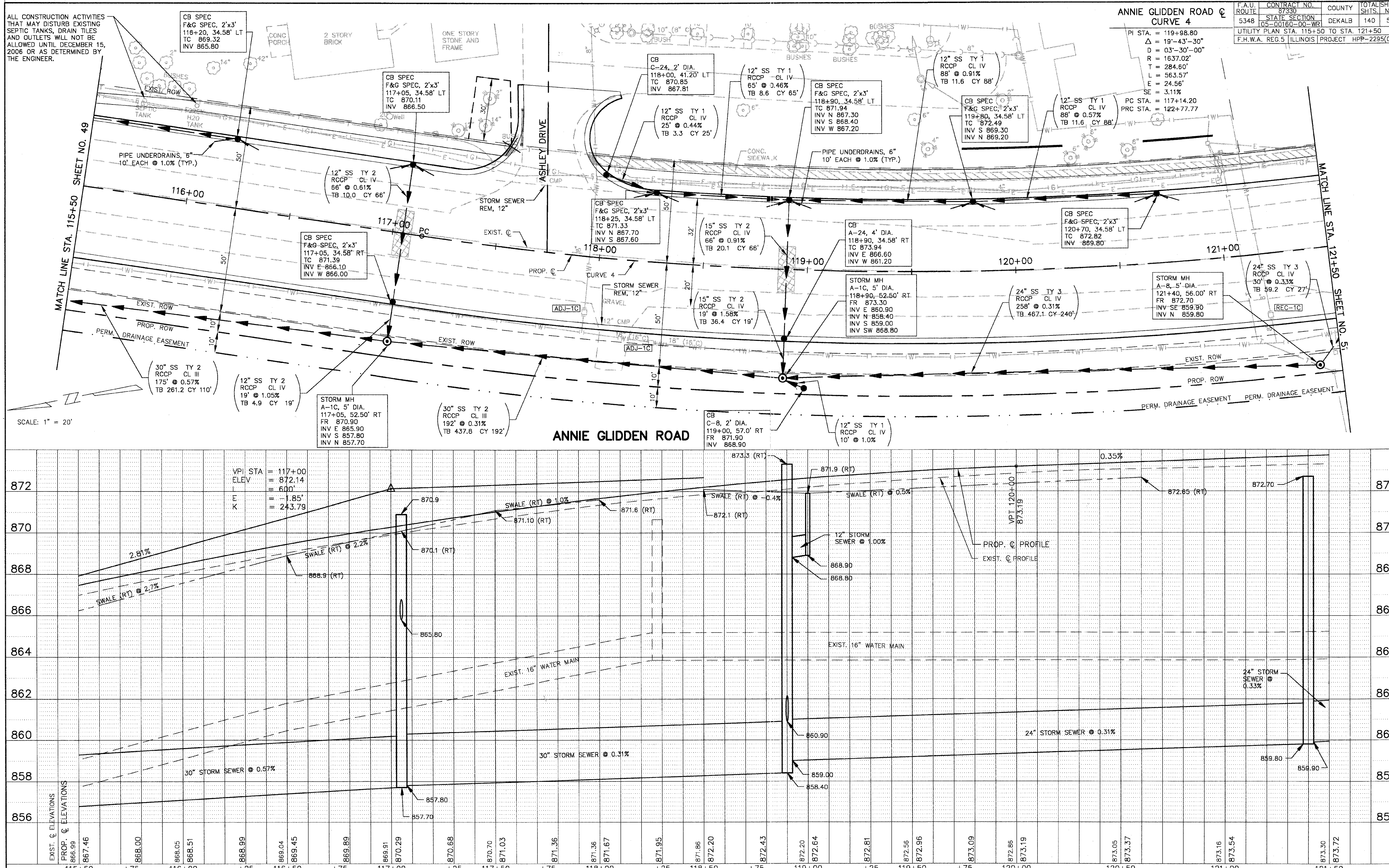
F.A.U. ROUTE	CONTRACT NO. 87330		COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR		DEKALB	140	50
UTILITY PLAN STA. 115+50 TO STA. 121+50					
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)			

ANNIE GLIDDEN ROAD ℄
CURVE 4

PI STA. = 119+98.80
Δ = 19°-43'-30"
D = 03°-30'-00"
R = 1637.02'
T = 284.60'
L = 563.57'
E = 24.56'
SE = 3.11%
PC STA. = 117+14.20
PRC STA. = 122+77.77

ALL CONSTRUCTION ACTIVITIES THAT MAY DISTURB EXISTING SEPTIC TANKS, DRAIN TILES AND OUTLETS WILL NOT BE ALLOWED UNTIL DECEMBER 15, 2006 OR AS DETERMINED BY THE ENGINEER.



MATCH LINE STA. 115+50 SHEET NO. 49
MATCH LINE STA. 121+50 SHEET NO. 51
ASHLEY DRIVE
ANNIE GLIDDEN ROAD
CB SPEC F&G SPEC, 2'x3' 118+20, 34.58' LT TC 869.32 INV 865.80
CB SPEC F&G SPEC, 2'x3' 117+05, 34.58' LT TC 870.11 INV 866.50
CB C-24, 2' DIA. 118+00, 41.20' LT TC 870.85 INV 867.81
12" SS TY 1 RCCP CL IV 65' @ 0.46% TB 8.6 CY 65'
CB SPEC F&G SPEC, 2'x3' 118+90, 34.58' LT TC 871.94 INV N 867.30 INV S 868.40 INV W 867.20
12" SS TY 1 RCCP CL IV 88' @ 0.91% TB 11.6 CY 88'
CB SPEC F&G SPEC, 2'x3' 119+80, 34.58' LT TC 872.49 INV S 869.30 INV N 869.20
12" SS TY 1 RCCP CL IV 88' @ 0.57% TB 11.6 CY 88'
12" SS TY 1 RCCP CL IV 25' @ 0.44% TB 3.3 CY 25'
PIPE UNDERDRAINS, 6" 10' EACH @ 1.0% (TYP.)
12" SS TY 2 RCCP CL IV 66' @ 0.61% TB 10.0 CY 66'
STORM SEWER REM, 12"
CB SPEC F&G SPEC, 2'x3' 118+25, 34.58' LT TC 871.33 INV N 867.70 INV S 867.60
15" SS TY 2 RCCP CL IV 66' @ 0.91% TB 20.1 CY 66'
CB A-24, 4' DIA. 118+90, 34.58' RT TC 873.94 INV E 866.60 INV W 861.20
CB SPEC F&G SPEC, 2'x3' 120+70, 34.58' LT TC 872.82 INV 869.80
CB SPEC F&G SPEC, 2'x3' 117+05, 34.58' RT TC 871.39 INV E 866.10 INV W 866.00
STORM SEWER REM, 12"
15" SS TY 2 RCCP CL IV 19' @ 1.58% TB 36.4 CY 19'
STORM MH A-1C, 5' DIA. 118+90, 52.50' RT FR 873.30 INV E 860.90 INV N 858.40 INV S 859.00 INV SW 868.80
24" SS TY 3 RCCP CL IV 258' @ 0.31% TB 467.1 CY 240'
STORM MH A-8, 5' DIA. 121+40, 56.00' RT FR 872.70 INV SE 859.90 INV N 859.80
24" SS TY 3 RCCP CL IV 30' @ 0.33% TB 59.2 CY 27'
30" SS TY 2 RCCP CL III 175' @ 0.57% TB 261.2 CY 110'
12" SS TY 2 RCCP CL IV 19' @ 1.05% TB 4.9 CY 19'
STORM MH A-1C, 5' DIA. 117+05, 52.50' RT FR 870.90 INV E 865.90 INV S 857.80 INV N 857.70
30" SS TY 2 RCCP CL III 192' @ 0.31% TB 437.8 CY 192'
CB C-8, 2' DIA. 119+00, 57.0' RT FR 871.90 INV 868.90
12" SS TY 1 RCCP CL IV 10' @ 1.0%
EXIST. ROW
PROP. ROW
PERM. DRAINAGE EASEMENT
EXIST. ℄
PROP. ℄
CURVE 4
SCALE: 1" = 20'
VPI STA = 117+00
ELEV = 872.14
L = 600'
E = -1.85'
K = 243.79
PROP. ℄ PROFILE
EXIST. ℄ PROFILE
EXIST. 16" WATER MAIN
30" STORM SEWER @ 0.57%
30" STORM SEWER @ 0.31%
24" STORM SEWER @ 0.31%
24" STORM SEWER @ 0.33%
12" STORM SEWER @ 1.00%
VPT 120+00 873.19
EXIST. ℄ ELEVATIONS
PROP. ℄ ELEVATIONS
115+50
116+00
116+50
117+00
117+50
118+00
118+50
119+00
119+50
120+00
120+50
121+00
121+50

January 18, 2006 9:38:03 a.m.
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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	51
UTILITY PLAN STA. 121+50 TO STA. 127+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPR-2295(001)		

END IMPROVEMENT STA. 127+05 ANNIE GLIDDEN ROAD

ADJUSTING WATER MAIN, 8" – 40' (CLEAR STORM SEWER ELECTRIC, GAS AND TELEPHONE)

TEMP. CONSTRUCTION EASE.

CB
A–24, 5' DIA
121+60, 34.58' LT
TC 873.14
INV W 862.10
INV S 862.40

CB SPEC
F&G SPEC, 2'x3'
123+40, 51.89' LT
TC 872.59
INV SE 869.60

CONC SIDEWALK

CONC SIGN

EXIST. ROW

GOLF COURT

12" SS TY 1
RCCP CL IV
7' @ 2.86%
TB 0.5 CY 4'

STORM MH
A–1C, 5' DIA.
123+45, 55.20' LT
FR 872.40
INV NE 868.38±
INV NW 869.40
INV W 868.50

CB
A–24, 4' DIA
124+50, 34.58' LT
TC 874.51
INV W 870.10
INV N 863.90
INV S 865.90

CB
A–1C, 4' DIA
125+40, 33.00' LT
FR 873.60
INV E 869.60
INV N 866.50
INV S 866.60

18" SS TY 2
RCCP CL IV
90' @ 0.67%
TB 74.6 CY 90'

18" SS TY 2
RCCP CL IV
90' @ 0.67%
TB 27.3 CY 28'

CB
A–8, 4' DIA
126+30, 33.00' LT
FR 872.50
INV N 867.20

STORM SEWER REM, 18"

STORM SEWER REM, 15"

STORM SEWER REM, 24"

18" SS TY 2
RCCP CL IV
287' @ 0.52%
TB 332.1 CY 287'

90°03'14"

CURVE 4

24" SS TY 1
RCCP CL IV
92' @ 0.76%
TB 10.7 CY 92'

12" SS TY 1
RCCP CL IV
66' @ 0.61%
TB 8.7 CY 66'

122+00

PT

123+00

124+00

125+00

126+00

127+00

24" SS TY 3
RCCP CL IV
66' @ 0.45%
TB 112.3 CY 66'

PROP. ℄

89°29'30"

MATCH LINE STA. 121+50 SHEET NO. 50

CB SPEC
F&G SPEC, 2'x3'
124+40, 34.58' RT
TC 874.54
INV S 870.70

GRAVEL

18" SS TY 1
RCCP CL IV
23' @ 2.61%
TB 5.3 CY 15'

12" SS TY 2
RCCP CL IV
66' @ 0.61%
TB 13.3 CY 62'

CB
A–8, 4' DIA
125+40, 33.00' RT
FR 872.60
INV E 870.10

EXIST. BIT. BICYCLE PATH

EXIST. ROW

ADJ–1C

ADJ

HIGHPOINTE DRIVE

STORM SEWER REM, 15"

TEMP. CONSTRUCTION EASEMENT

CB
A–24, 5' DIA
121+60, 34.58' RT
TC 875.13
INV E 861.80
INV NW 860.00

STORM MH
W/ECCENTRIC FLAT SLAB TOP
A–24, 5' DIA.
123+56, 37.5' RT
TC 874.75
INV NW 870.00
INV E 869.20
INV SW 869.44±

CB SPEC
F&G SPEC, 2'x3'
124+50, 34.58' RT
TC 874.51
INV E 870.50
INV N 870.60

CONNECT TO EXIST.

12" SS TY 1
DI CL 52
10' @ 1.0%
TB 1.3 CY 10'

CB SPEC
F&G SPEC, 2'x3'
123+36, 60.00' RT
TC 874.18
INV S 871.10

12" SS TY 1
RCCP CL IV
18' @ 2.22%
TB 2.3 CY 13'

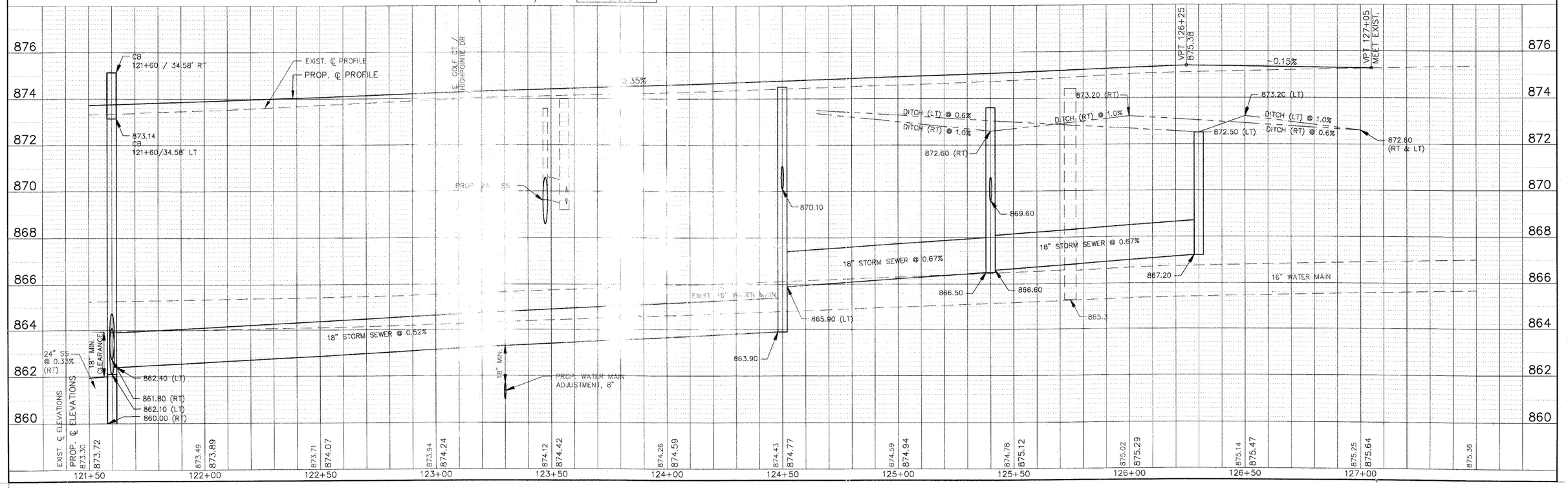
CB
A–8, 4' DIA
123+52.5, 60.00' RT
FR 874.10
INV E 870.60
INV N 870.70

SCALE: 1" = 20'

STATION EQUATION

123+08.92 ANNIE GLIDDEN RD. = ℄ GOLF COURT
123+11.03 ANNIE GLIDDEN RD. = ℄ HIGHPOINTE DRIVE

ANNIE GLIDDEN ROAD



F.A.U. ROUTE	CONTRACT NO. 87330 STATE SECTION	COUNTY	TOTAL SHTS.	SHEET NO.
5348	051-00160-00-WR	DEKALB	140	52

UTILITY PLAN STA. 192+00 TO STA. 197+00

F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)

January 04, 2006 1:37:59 p.m.
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F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
	87330			
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	53
UTILITY PLAN STA. 197+00 TO STA. 202+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

STATION EQUATION
107+49.77 ANNIE GLIDDEN RD. =
200+00 S. MALTA RD./TAYLOR STREET

CB SPEC
F&G SPEC, 2'x3'
197+50, 22.58' LT
TC 851.99
INV NW 848.00
INV S 848.00

CB
C-8, 2' DIA.
197+25, 37.00' LT
FR 849.50
INV 848.20

12" SS TY 1
RCCP CL IV
28' @ 0.71%
TB 7.8 CY 28'

CB SPEC
F&G SPEC, 2'x3'
199+16, 31.87' LT
TC 850.87
INV 847.40

12" SS TY 1
RCCP CL IV
10' @ 1.00%
TB 1.3 CY 10'

CB SPEC
F&G SPEC, 2'x3'
199+06, 28.98' LT
TC 850.90
INV NE 847.30
INV S 847.20

PIPE UNDERDRAINS, 6"
10' EACH @ 1.0% (TYP.)

TEMP. CONSTRUCTION EASEMENT
EXIST. ROW
ADJ
5'
40'
39'
SPILLWAY
CONC.
BRICK
BANK
SIGN
6"
4"

12" SS TY 1
RCCP CL IV
42' @ 0.48%
TB 5.5 CY 42'

STORM SEWER REM, 15"

198+00
199+00
200+00
107+00
108+00

12" SS TY 1
RCCP CL IV
50' @ 0.60%
TB 6.6 CY 50'

30" SS TY 1
RCCP CL III
12' @ 0.83%
TB 2.8 CY 12'

12" SS TY 2
RCCP CL IV
7' @ 1.43%
TB 0.9 CY 5'

PROP. ℄
REMOVE
STORM SEWER REM, 15" (EQ. ROUND SIZE)
CONNECT TO EXIST.
EXIST. ROW

18" SS TY 1
RCCP CL IV
20' @ 1.28%
TB 1.5 CY 8'

CB SPEC
F&G SPEC, 2'x3'
197+50, 22.58' RT
TC 851.99
INV N 847.80
INV S 847.70

STORM MH
A-1C, 5' DIA.
197+50, 28.00' RT
FR 852.50
INV SW 849.30±
INV N 847.60
INV W 845.90
INV E 845.80

30" SS TY 2
RCCP CL III
156' @ 0.32%
TB 103.1 CY 156'

CB
A-24, 5' DIA.
199+06, 24.38' RT
TC 850.99
INV E 845.30
INV W 845.30
INV N 846.90

CB
A-24, 5' DIA
199+17.50, 27.33' RT
TC 851.02
INV W 845.20
INV E 845.10

30" SS TY 1
RCCP CL III
32' @ 0.63%
TB 9.5 CY 32'

ANNIE GLIDDEN ROAD
SHEET NO. 48
SHEET NO. 52
MATCH LINE STA. 197+00
MATCH LINE STA. 199+25
MATCH LINE STA. 201+00
SHEET NO. 54
MATCH LINE STA. 202+50
12"x18" ELIP. CMP
12"x24" (18"C)
90°23'50"
90°26'26"
89°33'34"
89°36'10"
+25
+75
10.0'
12"(8"C)
GRAVEL
SHOULDER
GAS BOX
EXIST. ROW
2'-0"
4'-0"
3'-9"

15" SS TY 1
RCCP CL IV
132' @ 0.38%
TB 2.0 CY 10'

CB SPEC
F&G SPEC, 2'x3'
202+19, 34.58' LT
TC 848.82
INV 846.20

STORM MH
A-1C, 4' DIA.
202+29, 50.00' LT
FR 848.70
INV S 845.90
INV W 845.80
INV E 845.80

12" SS TY 1
RCCP CL IV
10' @ 1.00%
TB 1.3 CY 10'

15" SS TY 1
RCCP CL IV
161' @ 0.44%

12" SS TY 1
RCCP CL IV
17' @ 0.59%
TB 2.6 CY 17'

12" SS TY 1
RCCP CL IV
10' @ 1.00%
TB 1.3 CY 10'

STORM SEWER REM, 15"
PROP. ℄

CB SPEC
F&G SPEC, 2'x3'
202+19, 22.58' RT
TC 849.12
INV 845.60

CB SPEC
F&G SPEC, 2'x3'
202+29, 34.58' LT
TC 848.81
INV W 846.10
INV N 846.00

202+00

STORM SEWER REM, 18"
PROP. ℄

PIPE UNDERDRAINS, 6"
10' EACH @ 1.0% (TYP.)

PROP. PCC SIDEWALK, 5"
CONC.
SIDEWALK

CB SPEC
F&G SPEC, 2'x3'
202+29, 22.58' RT
TC 849.11
INV W 845.50
INV SE 845.40

WATER MAIN, 8"
150 LIN. FT.
TB 92.0 CY 150'

CB
C-8, 2' DIA.
201+55, 37.00' RT
FR 848.00
INV 846.50

12" SS TY 1
RCCP CL IV
75' @ 0.53%
TB 1.4 CY 8'

12" SS TY 1
RCCP CL IV
7' @ 1.43%
TB 0.9 CY 7'

15" SS TY 1
RCCP CL IV
52' @ 0.38%
TB 9.9 CY 52'

CB
C-8, 2' DIA.
202+30, 37.00' RT
FR 848.00
INV NE 846.00
INV W 846.10

STORM MH
A-1C, 4' DIA.
202+35, 25.00' RT
FR 849.00
INV SW 845.90
INV NW 845.30
INV E 845.20

12" SS TY 1
RCCP CL IV
13' @ 0.77%
TB 2.3 CY 10'

SCALE: 1" = 20'

S. MALTA ROAD / TAYLOR STREET

VPI STA = 199+15
ELEV = 850.85
L = 100'
E = 0.21'
K = 58.64
LOW POINT STA = 199+06.36
LOW POINT ELEV = 851.06

VPI STA = 200+00
ELEV = 851.70
NO V.C.

ASYMMETRICAL VERTICAL CURVE
VPI STA = 200+62
ELEV = 851.08
L1 = 30'
L2 = 70'
E = 0.07'
K = 153.85

VPI STA = 201+92
ELEV = 848.94
L = 120'
E = 0.31'
K = 58.75
LOW POINT STA = 202+28.83
LOW POINT ELEV = 849.13

VPT 197+35 852.13
VPC 198+65 851.20
VPT 199+65 851.35
VPC 200+32 851.38
VPC 201+32 849.93
VPT 202+52 849.18

0.71%
1.00%
-1.00%
1.65%
0.40%

SWALE (LT) @ 1.0%
SWALE (LT) @ 4.5%
849.50 (LT)
849.30
847.60
845.90
845.80
30" STORM SEWER @ 0.33%
EXIST. 10" SAN. SEWER
EXIST. 16" WATER MAIN (LT)
30" STORM SEWER @ 0.8%
30" STORM SEWER @ 0.63%
845.20
845.10
EXIST. 15" STORM SEWER
EXIST. 15" SS
EXIST. 18" STORM SEWER
8" MIN.
24" WATER MAIN
16"x16"x8" TEE
840.80
EXIST. 8" WATER MAIN (RT)
PROP. 8" WATER MAIN
APPROX. GROUND ELEV. @ FH/44' RT
SWALE (RT) @ 0.9%
SWALE (RT) @ 2.5%
SWALE (RT) @ 0.5%
12" STORM SEWER @ 0.53% (RT)
15" STORM SEWER @ 0.38% (LT)
845.30
846.50 (RT)
EXIST. 18" STORM SEWER
846.10 (RT)
845.80 (LT)
845.90 (LT)
845.00 (RT)
845.90 (RT)
845.20 (RT)
15" SS @ 0.38%
845.30 (RT)
8"x8"x8" TEE
841.60
842.00

	197+00	197+50	198+00	198+50	+75	199+00	+25	199+50	200+00	200+50	+75	201+00	+25	201+50	+75	202+00	+25	202+50
EXIST. ℄ ELEVATIONS	852.12	852.41	851.75	852.02	851.44	851.67	851.19	851.31	851.14	850.69	851.06	851.09	850.16	851.22	849.62	851.70	849.18	851.18	850.82	848.88	850.44	850.04	848.76	849.66	849.38	848.77	849.20	849.13	848.88	849.17
PROP. ℄ ELEVATIONS																														

January 04, 2006 1:37:59 p.m.
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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	54
UTILITY PLAN STA. 202+50 TO STA. 208+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

MATCH LINE STA. 202+50 SHEET NO. 53

SCALE: 1" = 20'

WATER MAIN, 8"
35 LIN. FT.
TB 21.5 CY 35'

VV W/GATE VALVE, 8"
A-1C, 5' DIA.
202+85, 10.00' RT
FR 849.11

CB
A-24, 4' DIA.
202+86.86, 26.44' RT
TC 849.22
INV W 845.00
INV E 844.90

VV W/GATE VALVE, 6"
A-1C, 4' DIA.
203+10, 19.00' RT
FR 849.03

STORM MH
A-1C, 4' DIA.
203+90, 50.00' LT
FR 849.30
INV SE 846.60
INV W 846.50

(12" SS TY 1
RCCP CL IV
22' @ 0.91%
TB 2.7 CY 18')

CB SPEC
F&G SPEC, 2'x3'
204+05, 34.58' LT
TC 849.52
INV NW 846.80

CB SPEC
F&G SPEC, 2'x3'
205+80, 28.98' LT
TC 852.02
INV SE 848.60

(12" SS TY 1
RCCP CL IV
48' @ 0.63%
TB 6.3 CY 48')

(12" SS TY 1
RCCP CL IV
6' @ 1.67%
TB 0.8 CY 6')

IMPROVEMENT ENDS
STA. 208+59
TAYLOR STREET

WATER MAIN, 6"
12 LIN. FT.
TB 8.2 CY 12'

CB
A-IIV, 4' DIA.
207+93.86, 28.95' LT
STC 853.10
INV S 848.82± EX

ENTRANCE

PIPE UNDERDRAINS, 6"
10' EACH @ 1.0% (TYP)

STORM SEWER REM, 12"

12" CMP

MAINTAIN EXIST. CMP

STORM SEWER REM, 12"

8"x8"x6" TEE

WATER MAIN, 6"
44 LIN. FT.
TB 29.8 CY 44'

CB
A-24, 4' DIA.
203+53.86, 26.44' RT
TC 849.48
INV SE 846.40
INV W 844.60
INV E 844.50

CB SPEC
F&G SPEC, 2'x3'
204+10, 22.58' RT
TC 849.86
INV NW 846.30

(12" SS TY 1
RCCP CL IV
6' @ 1.67%
TB 0.8 CY 6')

STORM SEWER REM, 12"

203+00 204+00 205+00 206+00 207+00 208+00

PROP. ℄

CONNECT TO EXIST.

STORM SEWER REM, 18"

8"x8"x6" TEE

REM CB TO MAINTAIN FLOW

2-45° BENDS

45° BENDS (TYP.)

REC-1C

PROP. 3/4" COPPER SERVICE - 32 LIN. FT. (TYP. - 7 SERVICES)

STORM SEWER REM, 18"

MAINTAIN EXISTING STORM SEWER

(12" SS TY 1
RCCP CL IV
11' @ 0.91%
TB 1.5 CY 11')

(18" SS TY 1
RCCP CL IV
61' @ 0.33%
TB 14.1 CY 61')

(15" SS TY 1
RCCP CL IV
67' @ 0.45%
TB 9.6 CY 67')

CONNECT TO EXIST.

12.0' 12.0'

SHARON DR.

(12" SS TY 1
RCCP CL IV
15' @ 0.67%
TB 2.0 CY 15')

CB
C-8, 2' DIA.
203+65, 36.00' RT
FR 848.00
INV NW 846.50

CB
C-8, 2' DIA.
204+60, 36.00' RT
FR 849.10
INV N 847.60

STORM MH
A-1C, 4' DIA.
204+15, 25.00' RT
FR 849.80
INV NW 846.20
INV W 844.30
INV E 843.7±

FH W/AUX. VALVE & VALVE BOX
203+37, 54' RT

WATER MAIN, 6"
34 LIN. FT.
TB 11.2 CY 34'

(12" SS TY 1
RCCP CL IV
11' @ 2.73%
TB 1.5 CY 11')

CB SPEC
F&G SPEC, 2'x3'
205+80, 21.98' RT
TC 852.19
INV N 848.30
INV SE 848.20

CB
C-8, 2' DIA.
205+85, 36.00' RT
FR 851.30
INV N 849.80

WATER MAIN, 8"
560 LIN. FT.
TB 343.3 CY 560'

(18" SS TY 2
RCCP CL IV
34' @ 0.09%±
TB 46.8 CY 34')

CB
A-8, 4' DIA.
207+00, 25.00' RT
FR 852.20
INV W 842.90±
INV E 842.90±

FH W/AUX. VALVE & VALVE BOX
207+15, 22.00' RT

BUSHES TO REMAIN, EXCEPT REMOVAL WILL BE ALLOWED AS NECESSARY FOR WATER SERVICE INSTALLATION

VV W/GATE VALVE, 8"
A-1C, 5' DIA.
208+45, 10.00' RT
FR 851.75

WATER MAIN, 8"
14 LIN. FT.
TB 8.6 CY 14'

CONNECT TO EXIST. STA. 208+58

858 856 854 852 850 848 846 844 842 840

VPI STA = 207+15
ELEV = 855.05
L = 220'
E = -1.24'
K = 48.93
HIGH POINT ST = 207+08.45
HIGH POINT ELEV = 853.82

VPT 202+52
849.18

VPC 203+65
849.63

VPI STA 204+80
ELEV 850.08
L 40'
E 0.49'
K 133.88

VPT 205+95
852.51

VPC 206+05
852.72

VPT 208+25
852.43

0.40%

2.11%

2.38%

SWALE (RT) @ 0.5%

APPROX. GROUND ELEV. @ FH/54' RT

848.00 (RT)

SWALE (RT) @ 0.5%

SWALE (RT) @ 1.5%

SWALE (RT) @ 3.0%

851.80 (RT)

EXIST. ℄ PROFILE

PROP ℄ PROFILE

849.50

848.10

847.50

APPROX. GROUND ELEV. @ FH/22' RT

8"x8"x6" TEE

VV W/GATE VALVE, 8"

STA. 208+59 MEET EXISTING

15" STORM SEWER @ 0.44% (LT)

15" STORM SEWER @ 0.38%

15" STORM SEWER @ 0.45% (RT)

18" STORM SEWER @ 0.33% (RT)

846.40 (RT)

845.00 (RT)

844.90 (RT)

844.60 (RT)

844.50 (RT)

VV W/GATE VALVE, 8"

EXIST. 18" STORM SEWER

EXIST. 18" STORM SEWER

PROP. 8" WATER MAIN

EXIST. 8" WATER MAIN

843.7±

843.61

842.60

PROP. 8" WATER MAIN

EXIST. 8" WATER MAIN

845.40

EXIST. 18" STORM SEWER

EXIST. 18" STORM SEWER

843.00

CONNECT TO EXIST.

18" STORM SEWER @ 0.09%±

842.90±

EXIST. 18" STORM SEWER

EXIST. 18" STORM SEWER

846.60

845.80

CONNECT TO EXIST. STA. 208+58

842.67

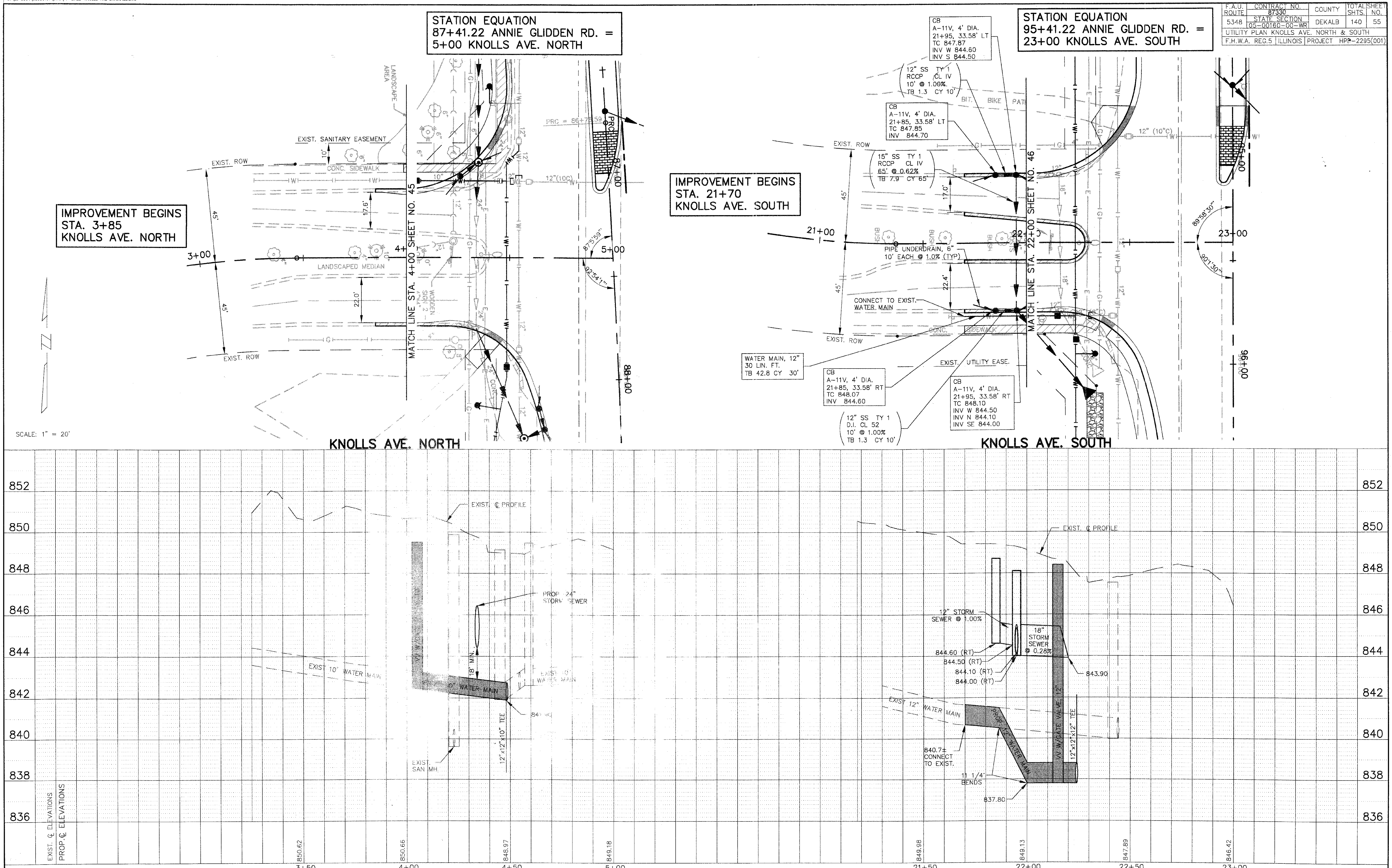
EXIST. ℄ ELEVATIONS
PROP. ℄ ELEVATIONS

202+50	203+00	203+50	+75	204+00	+25	204+50	+75	205+00	+25	205+50	+75	206+00	+25	206+50	+75	207+00	+25	207+50	+75	208+00	+25	208+50
848.88	845.05	849.22	849.67	849.51	850.00	849.93	850.64	851.22	851.30	852.10	852.37	853.11	853.30	853.70	853.56	853.79	853.37	853.37	852.78	852.43	851.80	
849.17	849.37	849.57		849.81		850.23	850.84		851.64		852.62		853.47		853.81		853.64		852.96		851.83	

F.A.U. ROUTE	CONTRACT NO. 87330 / STATE SECTION	COUNTY	TOTAL SHTS.	SHEET NO.
5348	05-00160-00-WR	DEKALB	140	55

UTILITY PLAN KNOLLS AVE. NORTH & SOUTH

F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)


STATION EQUATION
87+41.22 ANNIE GLIDDEN RD. =
5+00 KNOLLS AVE. NORTH
IMPROVEMENT BEGINS
STA. 3+85
KNOLLS AVE. NORTH
EXIST. SANITARY EASEMENT
EXIST. ROW
CONC. SIDEWALK
LANDSCAPED MEDIAN
MATCH LINE STA. 4+00 SHEET NO. 45
PRC = 86+75.59
12"(10C)
SCALE: 1" = 20'
KNOLLS AVE. NORTH
STATION EQUATION
95+41.22 ANNIE GLIDDEN RD. =
23+00 KNOLLS AVE. SOUTH
IMPROVEMENT BEGINS
STA. 21+70
KNOLLS AVE. SOUTH
CB
A-11V, 4' DIA.
21+95, 33.58' LT
TC 847.87
INV W 844.60
INV S 844.50
12" SS TY 1
RCCP CL IV
10' @ 1.00%
TB 1.3 CY 10'
CB
A-11V, 4' DIA.
21+85, 33.58' LT
TC 847.85
INV 844.70
15" SS TY 1
RCCP CL IV
65' @ 0.62%
TB 7.9 CY 65'
BIT. BIKE PATH
PIPE UNDERDRAIN, 6"
10' EACH @ 1.0% (TYP)
CONNECT TO EXIST. WATER MAIN
WATER MAIN, 12"
30 LIN. FT.
TB 42.8 CY 30'
CB
A-11V, 4' DIA.
21+85, 33.58' RT
TC 848.07
INV 844.60
CB
A-11V, 4' DIA.
21+95, 33.58' RT
TC 848.10
INV W 844.50
INV N 844.10
INV SE 844.00
12" SS TY 1
D.I. CL 52
10' @ 1.00%
TB 1.3 CY 10'
EXIST. UTILITY EASE.
MATCH LINE STA. 22+00 SHEET NO. 46
KNOLLS AVE. SOUTH
EXIST. ℄ PROFILE
PROP. 24" STORM SEWER
18" MIN.
EXIST. 10" WATER MAIN
10" WATER MAIN
12"x12"x10" TEE
EXIST. SAN MH.
12" STORM SEWER @ 1.00%
18" STORM SEWER @ 0.28%
844.60 (RT)
844.50 (RT)
844.10 (RT)
844.00 (RT)
843.90
EXIST 12" WATER MAIN
PROP. 12" WATER MAIN
12" W/GATE VALVE
12"x12"x12" TEE
840.7±
CONNECT TO EXIST.
11 1/4° BENDS
837.80
852
850
848
846
844
842
840
838
836
EXIST. ℄ ELEVATIONS
PROP. ℄ ELEVATIONS
850.62
850.66
848.97
849.18
849.98
849.13
847.89
846.42
3+50
4+00
4+50
5+00
21+50
22+00
22+50
23+00

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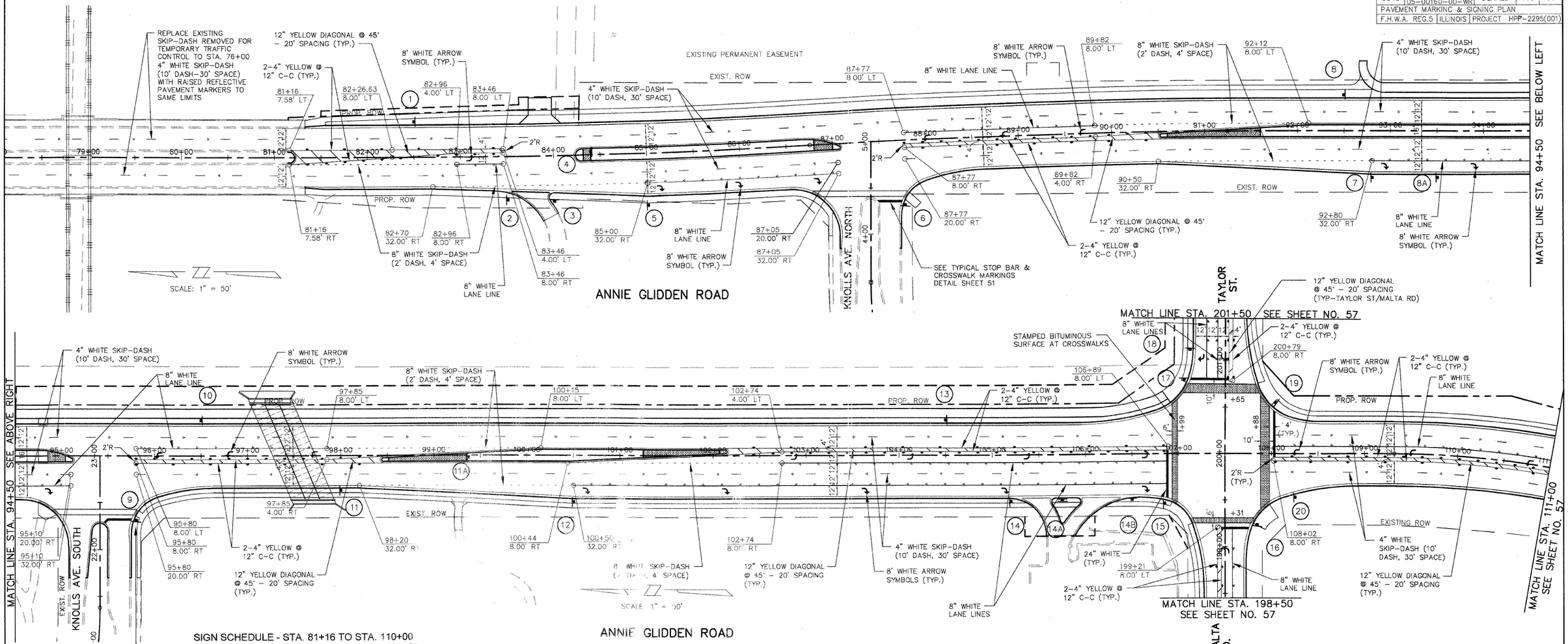
January 18, 2006 9:47:47 a.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	56
PAVEMENT MARKING & SIGNING PLAN				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



SIGN SCHEDULE - STA. 81+16 TO STA. 110+00
SIGN SCHEDULE - STA. 198+50 TO STA. 201+50

NO.	STATION	OFFSET	SIGN LEGENDS	SUPPL. INFO.	TOTAL SIGN AREA	POST TYPE	
1	82+50	38' LT	R2-1	"35"	5.00	LP	-
2	83+50	47' RT	R2-1	"40"	5.00	LP	-
3	84+00	49' RT	R5-1		6.25	1B	13.0
4	84+40	3' LT	R3-2		6.25	1B	13.0
5	85+00	56' RT	R3-5R		7.50	2A	26.0
6	4+32	37' RT	R1-1		6.25	1B	13.0
7	92+80	50' RT	R3-5R		7.50	2A	27.0
8	92+50	38' LT	R2-1	"40"	5.00	LP	-
8A	93+50	50' RT	W11-2		6.25	LP	-
9	22+31	39' RT	R1-1		6.25	1B	13.0
10	96+50	38' LT	W11-2		6.25	LP	-
11	98+00	37' RT	W3-3 & W16-8	*	15.50	2A	32.1
11A	99+37	2' RT	R3-8B (MOD)		12.50	2B	26.0
12	100+50	50' RT	R3-5R		7.50	2A	27.0
13	104+50	38' LT	R2-1	"40"	5.00	LP	-
14	105+20	50' RT	R3-5R		7.50	2A	27.0
14A	105+75	49' RT	R3-2 & R5-1		12.50	1B	13.0
14B	106+50	49' RT	R3-2 & R5-1		12.50	1B	13.0
15			W11A-1		6.25	SIGNAL	-
16			W11A-1		6.25	SIGNAL	-
17			W11A-1		6.25	SIGNAL	-
18	201+12	38' LT	R3-5R		7.50	2A	27.0
19			W11A-1		6.25	SIGNAL	-
20	108+25	46' RT	W4-2R		9.00	2A	28.4

* = "TAYLOR STREET/S. MALTA ROAD"

PAVEMENT MARKING AND SIGNING LEGEND

R1-1 30" x 30"
R3-8B 48" x 30"
W3-3 36" x 36" & W16-8 VAR. x 18" (STREET NAME)
W9-1 30" x 30" (RIGHT LANE ENDS)
R2-1 24" x 30" (SPEED LIMIT 00)
R3-8B (MOD) 60" x 30"
W4-2R 36" x 36"
W11A-1 30" x 30"
R3-2 30" x 30"
R4-7A 24" x 30" (KEEP RIGHT)
W6-3 36" x 36"
W11-2 30" x 30"
R3-5(R/L) 30" x 36" (ONLY)
R5-1 30" x 30" (DO NOT ENTER)

- ONE-WAY CRYSTAL MARKER
- ONE-WAY AMBER MARKER
- TWO-WAY AMBER MARKER
- (11) PROPOSED SIGN - SEE SCHEDULES

SIGNS

THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE EXISTING SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. AN INVENTORY OF ALL EXISTING SIGNS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO THIS WORK. THIS WORK WILL BE CONSIDERED INCLUDED IN THE CONTRACT.

ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS AND THE FOLLOWING REQUIREMENTS:

1. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
2. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED.
3. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.
4. ALL EXISTING SIGNS THAT ARE REPLACED BY NEW SIGNS IN PERMANENT LOCATIONS, OR OTHERWISE DETERMINED BY THE ENGINEER TO BE OBSOLETE, SHALL BE REMOVED AND REMAIN THE PROPERTY OF THE CITY.
5. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

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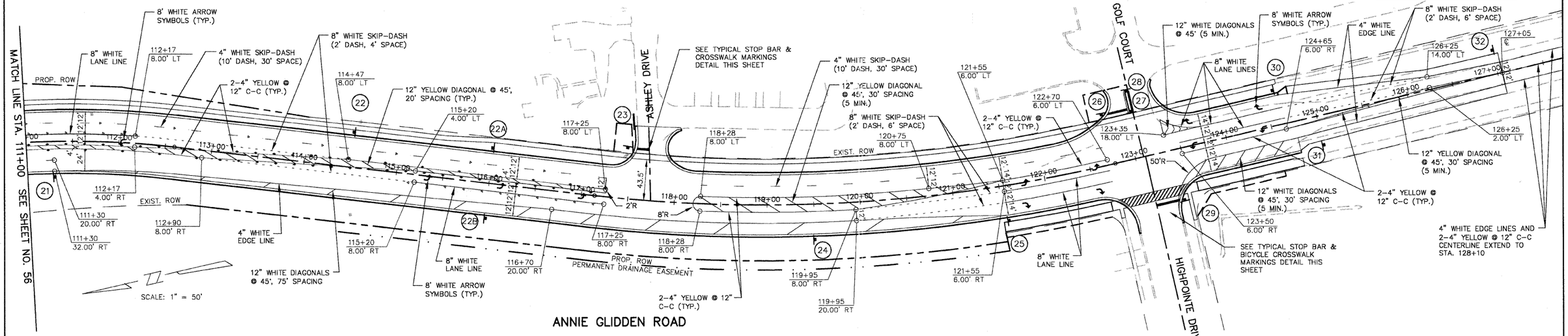
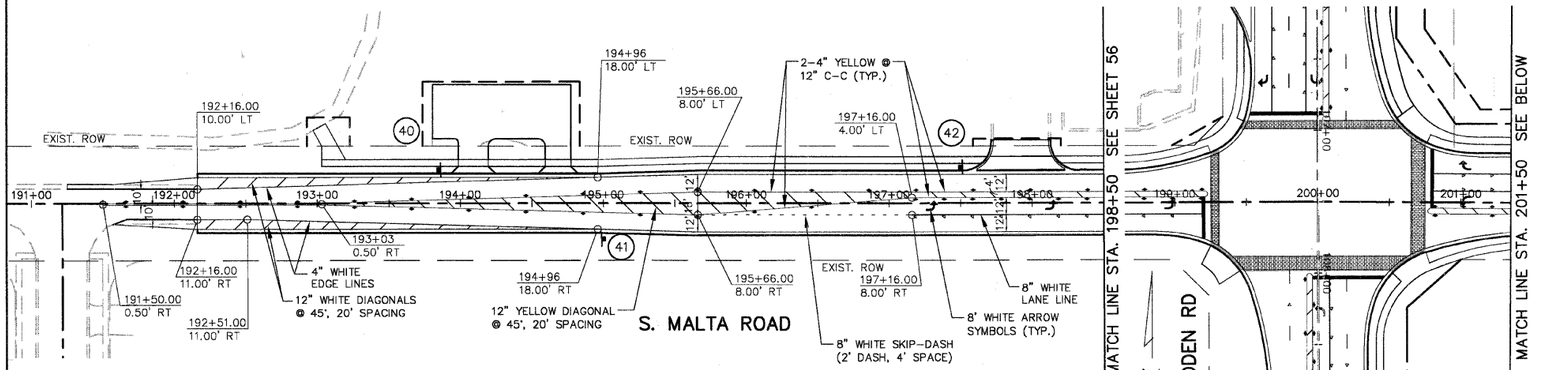
March 17, 2006 8:57:43 a.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	57
PAVEMENT MARKING & SIGNING PLAN				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

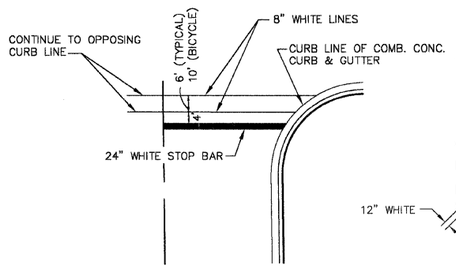




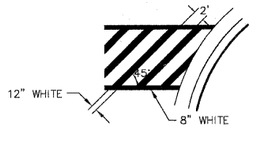
SIGN SCHEDULE - STA. 110+00 TO STA. 122+73
- STA. 192+16 TO STA. 198+50
- STA. 201+50 TO STA. 208+59

NO.	STATION	OFFSET	SIGN LEGENDS	SUPPL. INFO.	TOTAL SIGN AREA	POST TYPE	TOTAL POST LENGTH
21	111+30	38' RT	W9-1		6.25	2A	28.4
22	114+50	38' LT	W3-3 & W16-8	*	15.50	2A	32.4
22A	116+00	38' LT	R2-1	"40"	5.00	1A	13.0
22B	116+00	38' RT	R2-1	"45"	5.00	1A	13.0
23	117+45	55' LT	R1-1		6.25	1B	13.0
24	119+50	38' RT	R3-8B		10.00	2A	25.0
25	121+55	38' RT	R3-5R		7.50	2A	29.0
26	122+75	55' LT	R1-1		6.25	1B	13.0
27	123+07	51' LT	R4-7A		5.00	1A	12.5
28	123+07	74' LT	R4-7A		5.00	1A	12.5
29	123+41	55' RT	R1-1		6.25	1B	13.0
30	124+60	38' LT	R3-5R		7.50	2A	27.0
31	125+00	32' RT	W6-3		9.00	2A	32.4
32	127+00	26' LT	R3-8B		10.00	2A	26.0
33-39	NOT USED						
40	193+85	20' LT	W6-3		9.00	2A	29.4
41	195+00	25' RT	W3-3 & W16-8	**	15.50	2A	31.4
42	197+50	25' LT	R2-1	"35"	5.00	1A	13.5
43	202+00	25' RT	R2-1	"35"	5.00	1A	13.5
44	203+42	42' RT	R1-1		6.25	1B	13.0
45	206+25	30.6' LT	R3-8B		10.00	2A	25.0
46	207+25	28' LT	W3-3 & W16-8	**	15.50	2A	31.4
47	207+50	21' RT	W6-3		9.00	2A	29.4

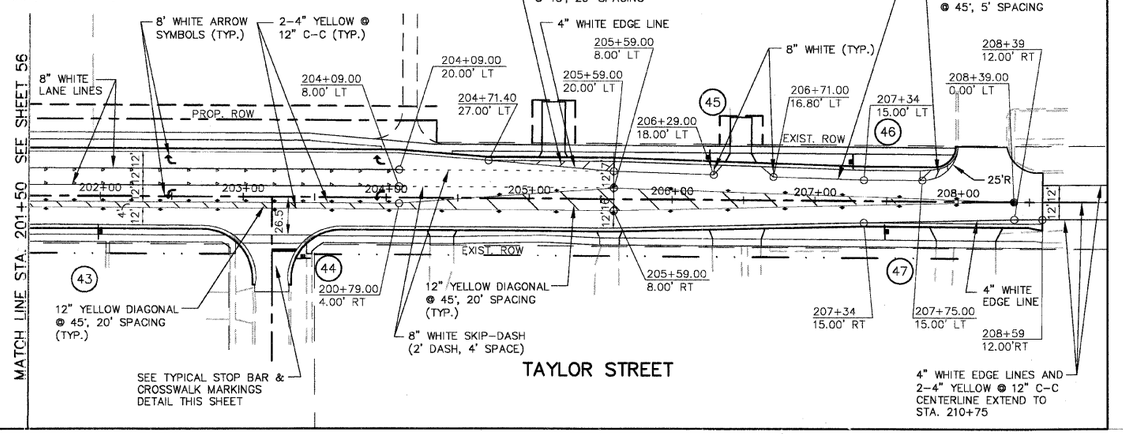
* = "S. MALTA ROAD / TAYLOR STREET"
** = "ANNIE GLIDDEN ROAD"



SIDE STREET
TYPICAL STOP BAR &
CROSSWALK MARKINGS DETAIL



BICYCLE CROSSWALK
MARKINGS DETAIL



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January 04, 2006 1:51:07 p.m.

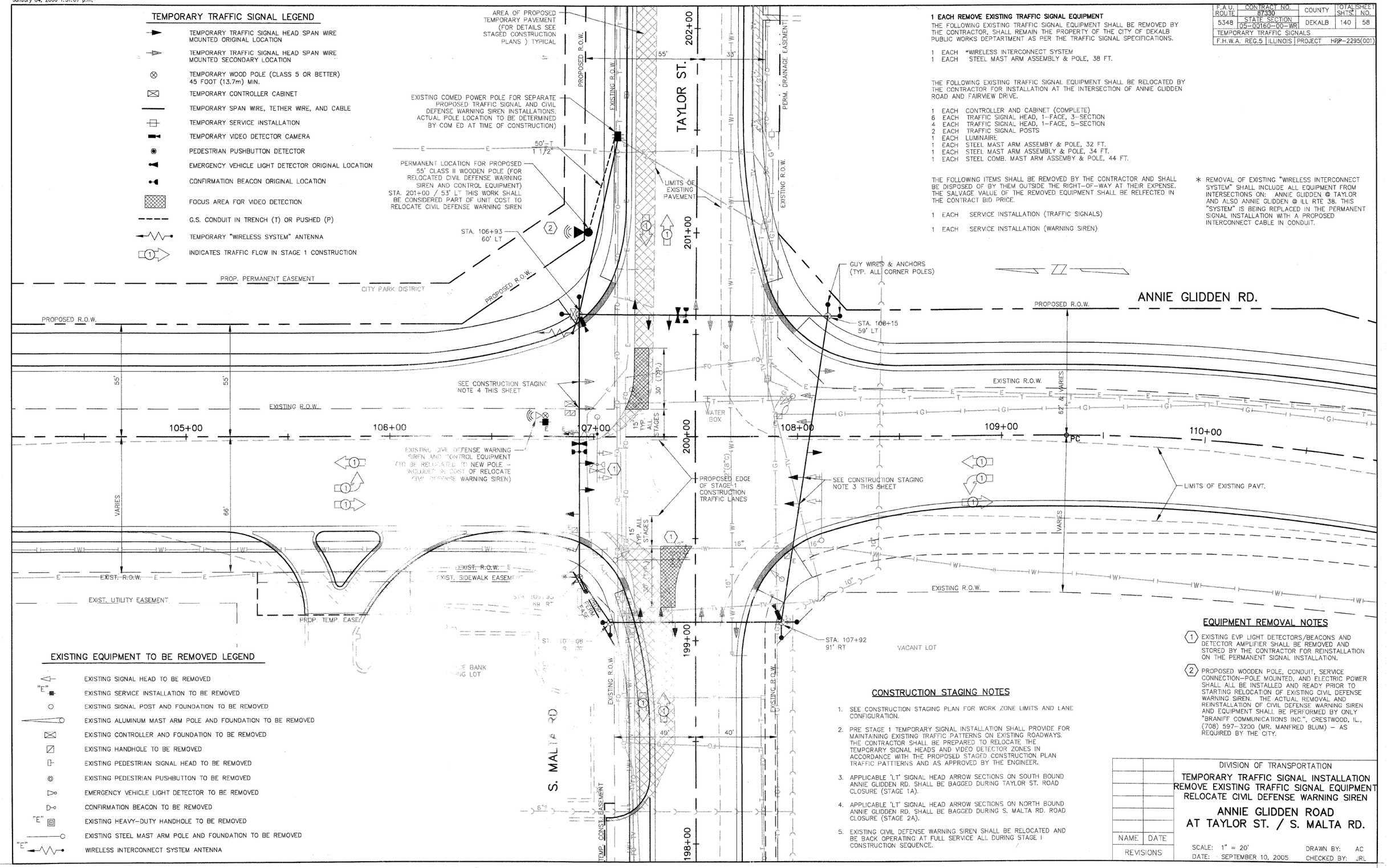
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	58
TEMPORARY TRAFFIC SIGNALS				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HRP-2295(001)	

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY VIDEO DETECTOR CAMERA
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR ORIGINAL LOCATION
- CONFIRMATION BEACON ORIGINAL LOCATION
- FOCUS AREA FOR VIDEO DETECTION
- G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
- TEMPORARY "WIRELESS SYSTEM" ANTENNA
- INDICATES TRAFFIC FLOW IN STAGE 1 CONSTRUCTION

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
- EXISTING EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- EXISTING CONFIRMATION BEACON TO BE REMOVED
- "E" EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" WIRELESS INTERCONNECT SYSTEM ANTENNA



1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF DEKALB PUBLIC WORKS DEPTARTMENT AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1 EACH *WIRELESS INTERCONNECT SYSTEM
1 EACH STEEL MAST ARM ASSEMBLY & POLE, 38 FT.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE RELOCATED BY THE CONTRACTOR FOR INSTALLATION AT THE INTERSECTION OF ANNIE GLIDDEN ROAD AND FAIRVIEW DRIVE.

1 EACH CONTROLLER AND CABINET (COMPLETE)
6 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION
4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION
2 EACH TRAFFIC SIGNAL POSTS
1 EACH LUMINAIRE
1 EACH STEEL MAST ARM ASSEMBLY & POLE, 32 FT.
1 EACH STEEL MAST ARM ASSEMBLY & POLE, 34 FT.
1 EACH STEEL COMB. MAST ARM ASSEMBLY & POLE, 44 FT.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH SERVICE INSTALLATION (TRAFFIC SIGNALS)

1 EACH SERVICE INSTALLATION (WARNING SIREN)

* REMOVAL OF EXISTING "WIRELESS INTERCONNECT SYSTEM" SHALL INCLUDE ALL EQUIPMENT FROM INTERSECTIONS ON: ANNIE GLIDDEN @ TAYLOR AND ALSO ANNIE GLIDDEN @ ILL RTE 38. THIS "SYSTEM" IS BEING REPLACED IN THE PERMANENT SIGNAL INSTALLATION WITH A PROPOSED INTERCONNECT CABLE IN CONDUIT.

EQUIPMENT REMOVAL NOTES

(1) EXISTING EVP LIGHT DETECTORS/BEACONS AND DETECTOR AMPLIFIER SHALL BE REMOVED AND STORED BY THE CONTRACTOR FOR REINSTALLATION ON THE PERMANENT SIGNAL INSTALLATION.

(2) PROPOSED WOODEN POLE, CONDUIT, SERVICE CONNECTION-POLE MOUNTED, AND ELECTRIC POWER SHALL ALL BE INSTALLED AND READY PRIOR TO STARTING RELOCATION OF EXISTING CIVIL DEFENSE WARNING SIREN. THE ACTUAL REMOVAL AND REINSTALLATION OF CIVIL DEFENSE WARNING SIREN AND EQUIPMENT SHALL BE PERFORMED BY ONLY "BRANIFF COMMUNICATIONS INC.", CRESTWOOD, IL., (708) 597-3200 (MR. MANFRED BLUM) - AS REQUIRED BY THE CITY.

CONSTRUCTION STAGING NOTES

1. SEE CONSTRUCTION STAGING PLAN FOR WORK ZONE LIMITS AND LANE CONFIGURATION.
2. PRE STAGE 1 TEMPORARY SIGNAL INSTALLATION SHALL PROVIDE FOR MAINTAINING EXISTING TRAFFIC PATTERNS ON EXISTING ROADWAYS. THE CONTRACTOR SHALL BE PREPARED TO RELOCATE THE TEMPORARY SIGNAL HEADS AND VIDEO DETECTOR ZONES IN ACCORDANCE WITH THE PROPOSED STAGED CONSTRUCTION PLAN TRAFFIC PATTTERNS AND AS APPROVED BY THE ENGINEER.
3. APPLICABLE 'LT' SIGNAL HEAD ARROW SECTIONS ON SOUTH BOUND ANNIE GLIDDEN RD. SHALL BE BAGGED DURING TAYLOR ST. ROAD CLOSURE (STAGE 1A).
4. APPLICABLE 'LT' SIGNAL HEAD ARROW SECTIONS ON NORTH BOUND ANNIE GLIDDEN RD. SHALL BE BAGGED DURING S. MALTA RD. ROAD CLOSURE (STAGE 2A).
5. EXISTING CIVIL DEFENSE WARNING SIREN SHALL BE RELOCATED AND BE BACK OPERATING AT FULL SERVICE ALL DURING STAGE I CONSTRUCTION SEQUENCE.

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT RELOCATE CIVIL DEFENSE WARNING SIREN

ANNIE GLIDDEN ROAD AT TAYLOR ST. / S. MALTA RD.

SCALE: 1" = 20'
DATE: SEPTEMBER 10, 2005
DRAWN BY: AC
CHECKED BY: JRL

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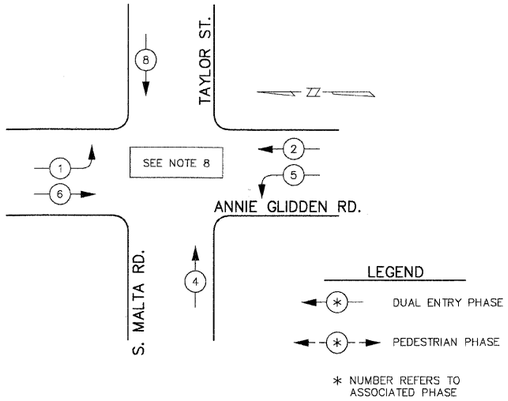
January 18, 2006 2:29:45 p.m.

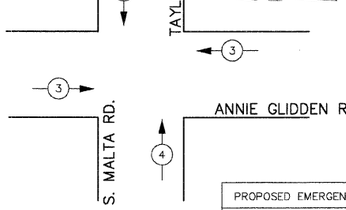
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	59
TEMPORARY TRAFFIC SIGNALS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY TRAFFIC SIGNAL PHASE DESIGNATION DIAGRAM

TEMPORARY TRAFFIC SIGNAL EMERGENCY VEHICLE PREEMPTION SEQUENCE

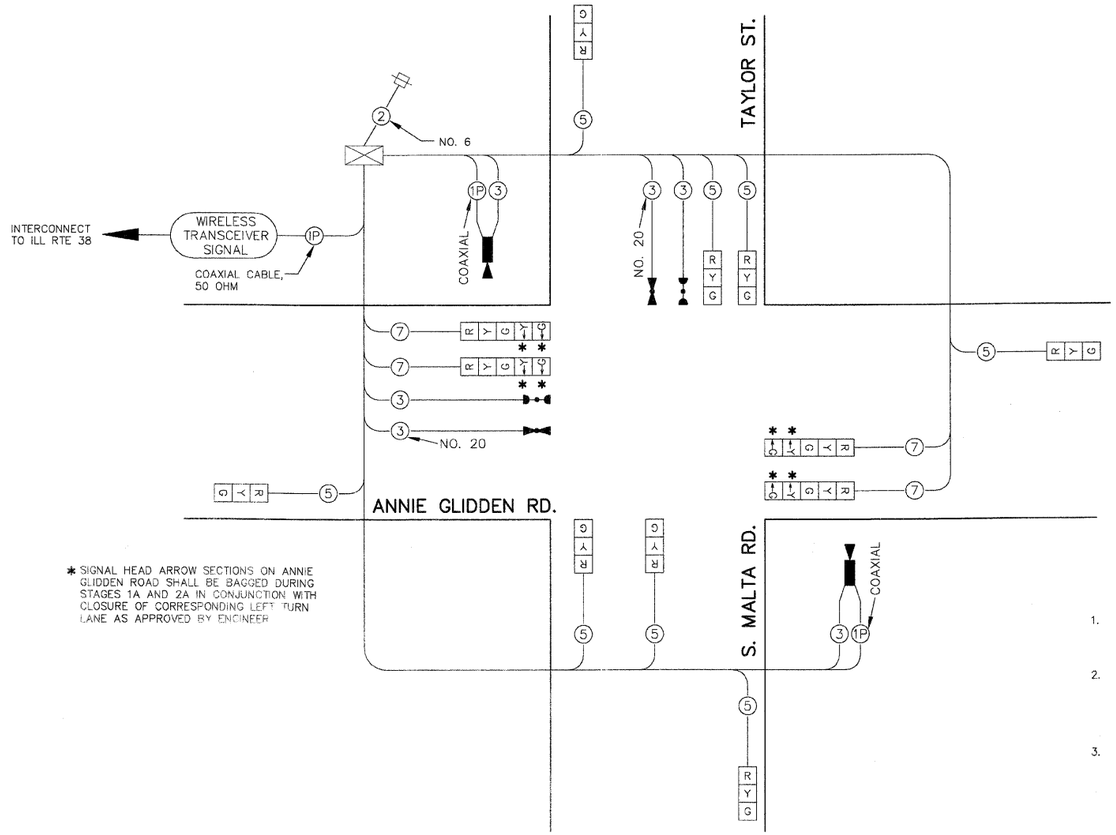


PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	x WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	810.0
(YELLOW)	12	135	25	0.25	405.0
(GREEN)	12	135	15	0.25	405.0
ARROW	8	135	12	0.10	108.0
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN	-	84		0.05	-
VIDEO CAMERA	2	23		1.00	46.0
FLASHER	-			0.50	-
ENERGY COSTS TO: (EXISTING SERVICE DROP)				TOTAL =	1874.0

CITY OF DEKALB
223 S. FOURTH ST.
DEKALB, IL 60115

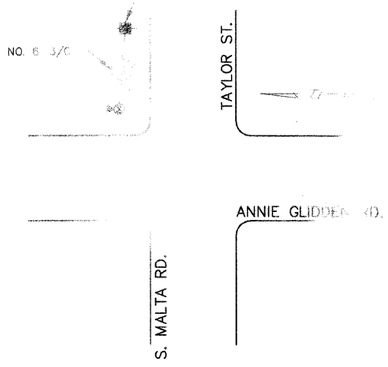
ENERGY SUPPLY CONTACT: Judy Ross
PHONE: (815) 490-2279
COMPANY: COM-ED (ROCKFORD)



* SIGNAL HEAD ARROW SECTIONS ON ANNIE GLIDDEN ROAD SHALL BE BAGGED DURING STAGES 1A AND 2A IN CONJUNCTION WITH CLOSURE OF CORRESPONDING LEFT TURN LANE AS APPROVED BY ENGINEER

TEMPORARY TRAFFIC SIGNAL CABLE PLAN (TYPICAL ALL STAGES OF CONSTRUCTION)

ELECTRICAL POWER REQUIREMENT:
120/240 V. SINGLE PHASE TO HANDLE
2.4 KW DRAW (METERED SEPARATELY
FROM TRAFFIC SIGNAL INSTALLATION)



PROPOSED CIVIL DEFENSE WARNING SIREN CABLE PLAN

TEMPORARY CABLE PLAN LEGEND

- TEMPORARY TRAFFIC SIGNAL SECTION 12"
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (5) INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- (1P) COAXIAL CABLE, 75 ohm, U.N.O.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" PEDESTRIAN SIGNAL SECTION
- TEMPORARY VIDEO DETECTOR CAMERA

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND TEMPORARY WIRELESS INTERCONNECT COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY MULTISONICS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED, APPROVED BY THE CITY OF DEKALB AND INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY THIS BRAND OF CONTROLLER WILL BE ACCEPTED FOR THIS CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. PRIOR TO THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL NOTIFY BOTH THE IDOT AREA TRAFFIC ENGINEER AT (815) 284-5468 AND THE CITY OF DEKALB PUBLIC WORKS DEPARTMENT AT (815) 748-2020 OF HIS INTENT TO PERFORM THIS WORK. THIS NOTIFICATION SHALL BE MADE A MINIMUM OF (72) HOURS PRIOR TO THE START OF CONSTRUCTION.
8. PROPOSED TEMPORARY TRAFFIC SIGNALS SHALL PROVIDE A SEMI-ACTUATED CONTROLLER OPERATION WITH ANNIE GLIDDEN ROAD SET FOR MAXIMUM RECALL. THE CITY WILL PROVIDE TEMPORARY SIGNAL TIMINGS AND TIME-OF-DAY PROGRAMS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "MULTISONIC" TO MATCH THE EXISTING SYSTEM.

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNALS CABLE PLAN PHASE DESIGNATION DIAGRAM NOTES

ANNIE GLIDDEN RD AT TAYLOR ST. / S. MALTA RD.

SCALE: NONE DRAWN BY: AC
DATE: SEPTEMBER 10, 2005 CHECKED BY: JRL

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March 17, 2006 9:00:39 a.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	60
PROPOSED TRAFFIC SIGNALS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
UNIT DUCT	UD	
COMMON TRENCH	CT	
HANDHOLE		"E"
HEAVY DUTY HANDHOLE		"E"
DOUBLE HANDHOLE		"E"
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		"E"
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD "PROGRAMMED"	"P"	"P"
UNINTERRUPIBLE POWER SUPPLY (UPS)	B	"E"
WIRELESS INTERCONNECT SYSTEM ANTENNA		

SCALE: 1" = 20'

TAYLOR ST

PROPOSED R.O.W.

5' CONC. WALK

EXISTING R.O.W.

55'

33'

12' 12' 12' 12' 4'

202+00

201+00

200+00

199+00

198+00

EXISTING COM ED POWER POLE FOR SEPARATE TRAFFIC SIGNAL AND CIVIL DEFENSE WARNING SIREN SERVICE INSTALLATIONS. (ACTUAL POLE LOCATION TO BE DETERMINED BY COM ED AT TIME OF CONSTRUCTION.)

95'-T 2"

42'-T; 50'-P 4"

16' POST

42'-CT (2) 1" UD

36'-CT 1" UD

42'-T 2 ½"

5'-CT (2) 5"

15'-T 3"

CITY OF DEKALB

PROP. PERMANENT EASEMENT

6' 6' 6' 6' 5'

20' TYP.

42' MA

STREET SIGN – "ANNIE GLIDDEN RD"

36" DIA. x 15' FOUNDATION

20'-T; 35'-P 4"

23'-T 3"

12'-T 2 ½"

16' POST

ANNIE GLIDDEN RD

PROPOSED R.O.W.

265'-T 2"

5' CONC. WALK

5'-CT (2) 1" UD

3' TYP.

6' 6' 6'

10' BIKE PATH

36" DIA. x 15' FOUNDATION

PROPOSED 2" INTERCONNECT CONDUIT TO ILL RTE 38

STREET SIGN – "TAYLOR ST. / S. MALTA RD"

20'-T; 38'-P 2"

52' MA

16' POST

22'-T 2 ½"

32'-T 1" UD

15' TYP.

77.5'

17'-T; 55'-P 2"

78'

250'

12' 12' & VARIES 62'

105+00 106+00 107+00 108+00 109+00 110+00

PC

ALL CROSSWALKS ARE STAMPED BIT. SURFACE

20'-CT; 115'-P (2) 4"

61'

55' MA

TYPICAL LAYOUT ANNIE GLIDDEN ROAD

250'

66'

5'-CT (3) 1" UD

82'-T 2"

120'-P 2"

68'-T 2"

16' POST

74'

15' TYP.

20' TYP.

STREET SIGN – "TAYLOR ST. / S. MALTA RD"

VARIES

5' CONC. WALK

10' BIKE PATH

EXIST. R.O.W.

EXIST. SIDEWALK EASEMENT

14'-T 2 ½"

8'-T 3"

25'-T; 75'-P 4"

48' MA

36" DIA. X 15' FOUNDATION

STREET SIGN – "ANNIE GLIDDEN RD"

EXISTING R.O.W.

EXIST. UTILITY EASEMENT

PROP. TEMP. EASE.

PROP. PERMANENT EASEMENT

RESOURCE BANK PARKING LOT

CONC. SPILLWAY

EXISTING R.O.W.

6' SIDEWALK

5' SIDEWALK

S. MALTA RD

25'-T 3"

10' POST

18'-T 2 ½"

20'-T 1" UD

18'-T 1" UD

12'-T 2 ½"

16' POST

20'-CT (4) 1" UD

STATION EQUATION
107+49.77 ANNIE GLIDDEN RD. = 200+00 TAYLOR STREET

START CROSSING
Watch For Vehicles

DON'T START
Finish Crossing If Started

TIME REMAINING To Finish Crossing

DON'T CROSS

TO CROSS
PUSH BUTTON

PEDESTRIAN PUSHBUTTON PLAQUE DETAIL

5"x8" CAST ALUMINUM WITH RAISED PRINT LEGEND

ARROW TO LEFT (4 REQD.)

ARROW TO RIGHT (4 REQD.)

POSTED SPEED LIMIT

ANNIE GLIDDEN RD.....	40 MPH
TAYLOR ST	35 MPH
MALTA RD	35 MPH

CONSTRUCTION NOTES

1. EVP EQUIPMENT SHALL BE THAT WHICH IS RELOCATED FROM EXISTING SIGNAL INSTALLATION.
2. ALL TRAFFIC SIGNAL POSTS, BASES, ENTIRE MAST ARM ASSEMBLIES INCLUDING DECORATOR BASES AND ALL SIGNAL HEADS INCLUDING MOUNTING BRACKETS SHALL BE COLORED BLACK IN ACCORDANCE WITH THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. WIRELESS INTERCONNECT SYSTEM INTERMEDIATE TRANSCEIVER AND POLE TO BE LOCATED AT STA. 122+67, 52' RT.

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION

ANNIE GLIDDEN ROAD AT TAYLOR ST. / S. MALTA RD.

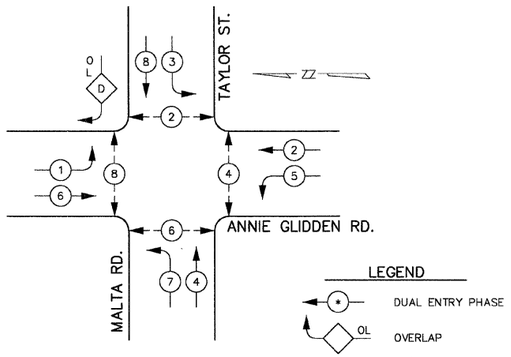
SCALE: 1" = 20'
DATE: SEPTEMBER 10, 2005

DRAWN BY: AC
CHECKED BY: JRL

D:\LD 2004\030301617\DWG\TRAFFIC SIGNALS_TAYLOR.DWG
March 17, 2006 10:33:40 a.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00150-00-WR	DEKALB	140	61
PROPOSED TRAFFIC SIGNALS				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	

CONTROLLER SEQUENCE

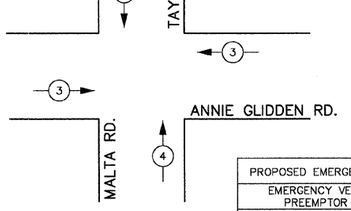


* NUMBER REFERS TO ASSOCIATED PHASE

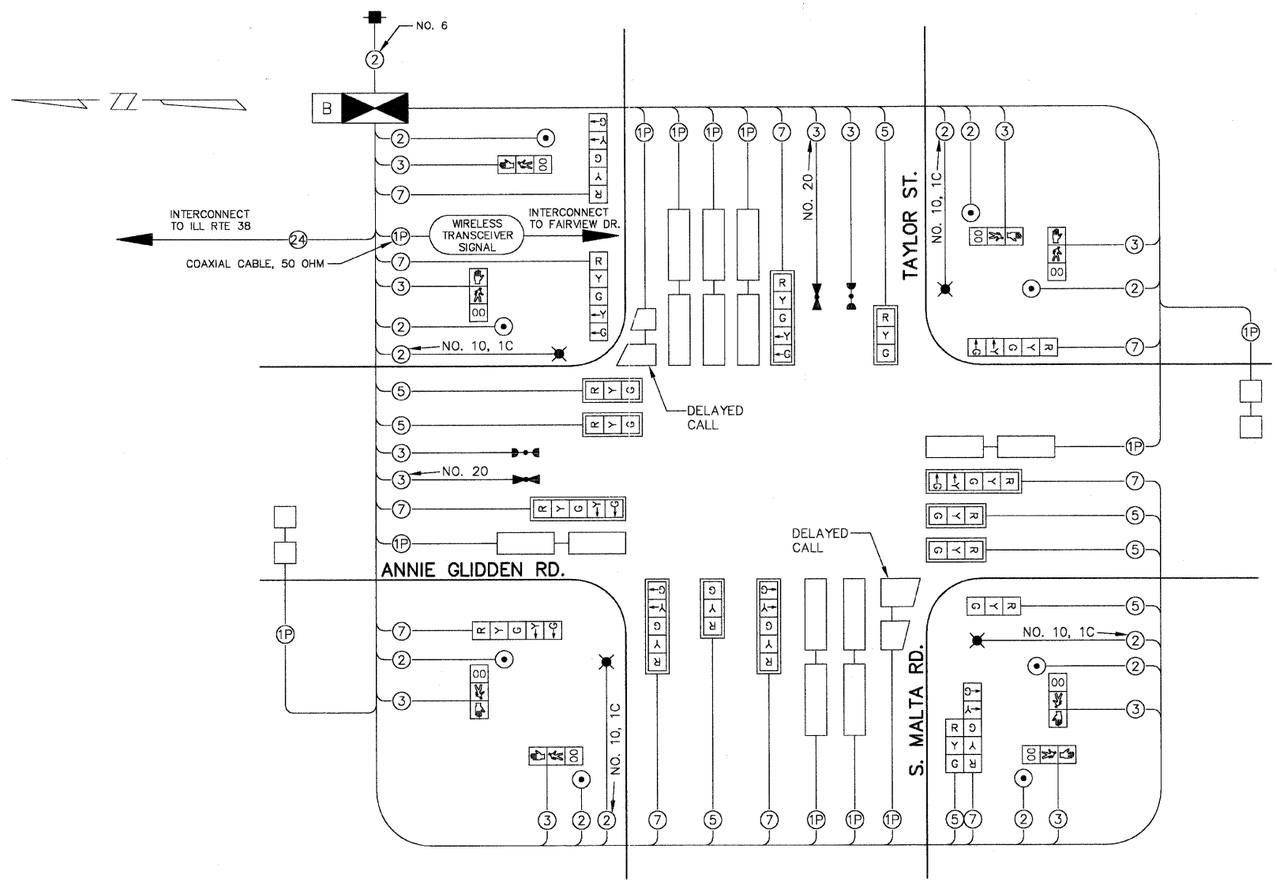
PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



CABLE PLAN LEGEND

EXISTING	PROPOSED	
G	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
T	T	TELEPHONE CONNECTION
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
"E"		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
2	2	DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED ALL LOOP DETECTOR CABLE TO BE SHIELDED
		VIDEO CAMERA ASSEMBLY
R Y G "P"	R Y G "P"	SIGNAL FACE WITH BACK PLATE, "P" INDICATES PROGRAMMED HEAD.
"E"		RAILROAD CONTROL CABINET
24	24	INTERCONNECT CABLE IN CONDUIT, 12 PAIR, NO. 19
		LUMINAIRE, S.V., 400W
	B	BATTERY BACKUP SYSTEM
		PEDESTRIAN SIGNAL HEAD, L.E.D., WITH COUNTDOWN TIMER

SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
72000200	SIGN PANEL - TYPE 2	SQ FT	60
80500200	SERVICE INSTALLATION, TYPE B	EACH	1
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	563
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	138
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	83
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	127
81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	16
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	213
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	390
81400100	HANDHOLE	EACH	4
81400200	HEAVY-DUTY HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	2
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	850
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,895
82103400	LUMINAIRE, SODIUM VAPOR, HORIZ. MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
85900100	TRANSCEIVER	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,517
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,930
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,020
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,081
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,366
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	113

CODE NO.	ITEM	UNIT	QUANTITY
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	11
88500100	INDUCTIVE LOOP DETECTOR	EACH	11
88600100	DETECTOR LOOP, TYPE I	FOOT	1,255
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	4
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
X0323685	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	365
X8801300	SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 3-SECTION, BM	EACH	1
X8801310	SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 3-SECTION, MAM	EACH	6
X8801395	SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 5-SECTION, BM	EACH	4
X8801400	SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 5-SECTION, MAM	EACH	5
X8801437	SIGNAL HEAD, POLYCARBONATE, L.E.D., 2-FACE, 1-3-SECTION, 1-5-SECTION, BM	EACH	1
XX004679	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BM WITH COUNTDOWN TIMER	EACH	8
	DECORATIVE BASE FOR COMBINATION MAST ARM ASSEMBLY AND POLE	EACH	4

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	x WATTAGE INCAND.	x WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16		17	0.50	136.0
(YELLOW)	16		25	0.25	100.0
(GREEN)	16		15	0.25	60.0
ARROW	20		12	0.10	24.0
PED. SIGNAL	8		25	1.00	200.0
CONTROLLER	1		100	1.00	100.0
LUMINAIRE	4	400		0.50	800.0
ENERGY COSTS TO:			TOTAL =		1420.0

CITY OF DEKALB
223 S. FOURTH ST.
DEKALB, IL 60115

ENERGY SUPPLY CONTACT: JUDY ROSS
PHONE: (815) 490-2279
COMPANY: COM-ED (ROCKFORD)

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL CABLE	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - D-CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)		(6m+L-0.6m)=
< 30' MA 30" DIA	10' (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
< 40' MA 30" DIA	13.5' (4.1)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
< 40' MA 36" DIA	11' (3.4)	ELECTIRC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
< 50' MA 36" DIA	13' (4.0)	GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
≥ 50' MA 36" DIA	15' (4.6)			POST MOUNTED	6(1.8)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "MULTISONICS" TO MATCH THE EXISTING SYSTEM.

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

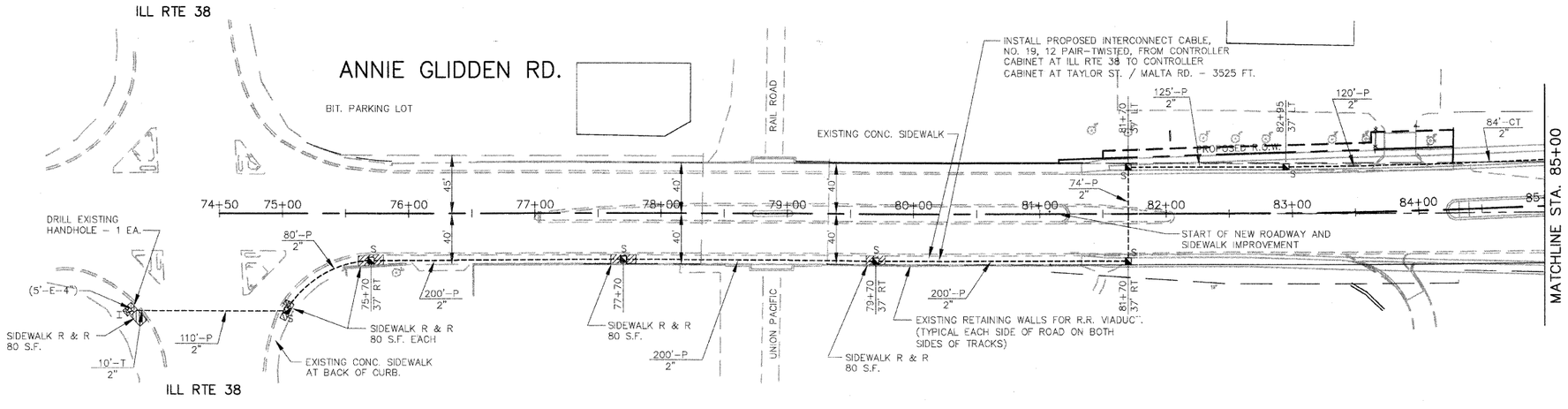
CABLE PLAN
PHASE DESIGNATION DIAGRAM
SHEDULE OF QUANTITIES

ANNIE GLIDDEN ROAD AT TAYLOR ST. / S. MALTA RD.

SCALE: NO SCALE
DATE: SEPTEMBER 10, 2005
DRAWN BY: AC
CHECKED BY: JRL

D:\LD 2004\03030167\DWG\INTERCONNECT.DWG
January 19, 2006 7:39:47 a.m.

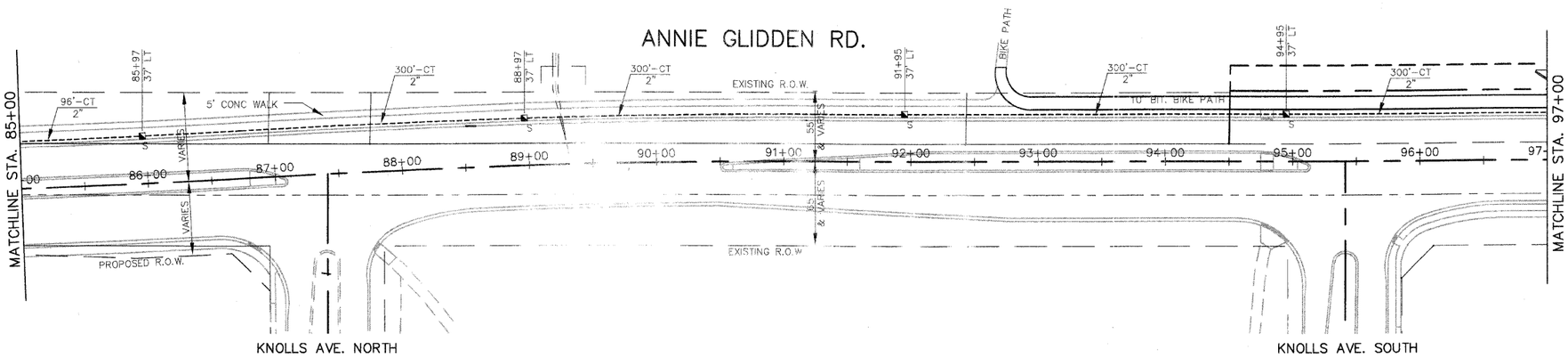
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	62
INTERCONNECT PLAN				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(D01)		

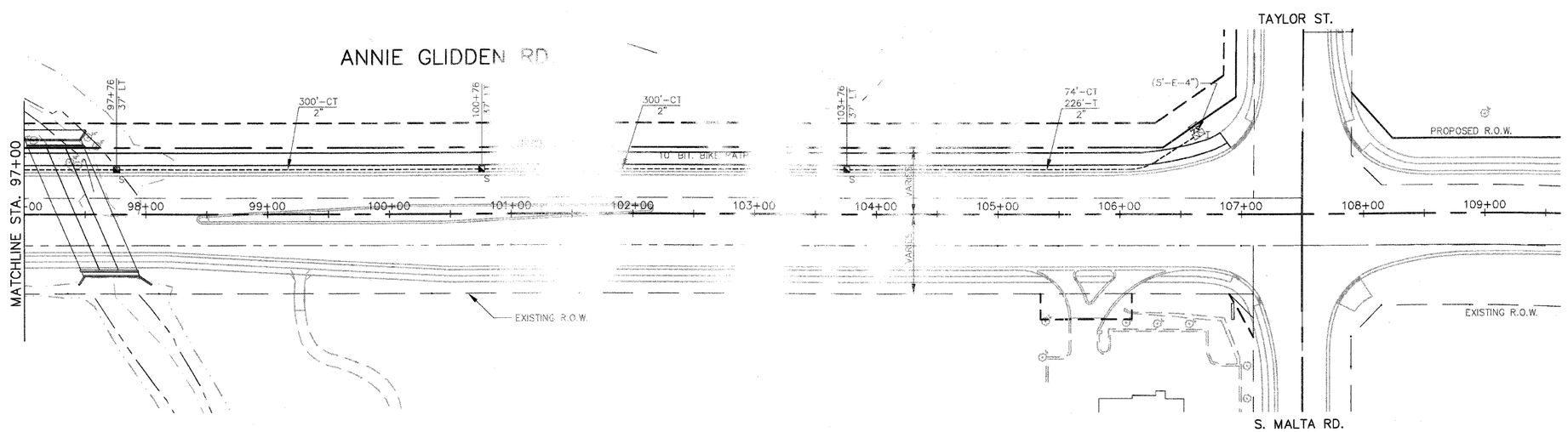


SCALE: 1"=50'

INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	■	▨
HANDHOLE	◥	◹
DOUBLE HANDHOLE	◥◤	◹◿
HEAVY DUTY HANDHOLE	H	H
G.S. CONDUIT IN TRENCH (T), COMMON TRENCH (CT) OR PUSHED (P)	———	———
DETECTOR LOOP	□	⬚
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	I





TRAFFIC SIGNAL INTERCONNECT
SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	2,290
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	1,110
81400100	HANDHOLE	EACH	14
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2,290
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
87900200	DRILL EXISTING HANDHOLE	EACH	1
X8730402	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 19 12 PR	FOOT	3,525
XX005531	VMS 330 MODIFICATION	L SUM	1
XX005731	MAP PANEL MODIFICATION	EACH	1
	WIRELESS INTERCONNECT SYSTEM	LSUM	1

NOTE:
SEE THE TRAFFIC SIGNAL INSTALLATION PLANS FOR THE WIRELESS INTERCONNECT SYSTEM ON ANNIE GLIDDEN ROAD FROM TAYLOR ST. / S. MALTA RD. TO FAIRVIEW DR. THE WIRELESS INTERCONNECT SYSTEM WILL REQUIRE AN INTERMEDIATE TRANSCEIVER AND POLE AT STA. 122+67, 52' RT.

NOTE:
INTERCONNECT CONDUIT FROM STATION 82+55 LT TO 104+50 LT SHALL BE PLACED IN A COMMON TRENCH WITH THE UNIT DUCT FOR THE STREET LIGHTING SYSTEM. SEE STREET LIGHTING PLAN FOR ADDITIONAL INFORMATION.

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

INTERCONNECT PLAN

ANNIE GLIDDEN RD

SCALE: 1"=50'
DATE: SEPTEMBER 10, 2005

DRAWN BY: AC
DESIGNED BY: DMH
CHECKED BY: JRL

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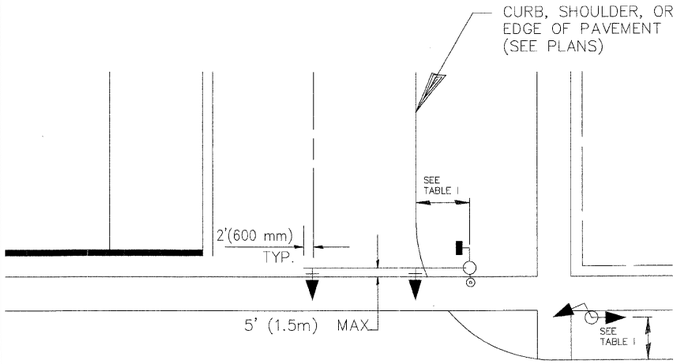
January 04, 2006 1:51:07 p.m.

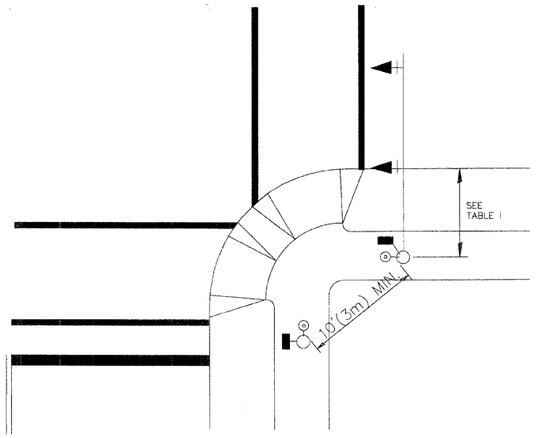
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	63
TRAFFIC SIGNAL DESIGN DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

1. AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

   AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

   PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

   A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.

   B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.

   C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

   D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).

   E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK

2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.

3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.

4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

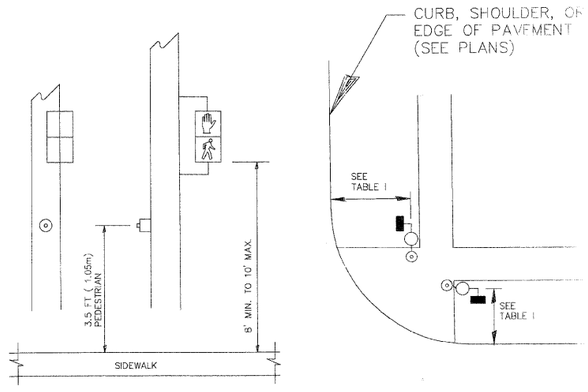


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE HORZ.
DRAWN BY: RWP
DATE: SEPTEMBER 10, 2005
CHECKED BY: DAZ

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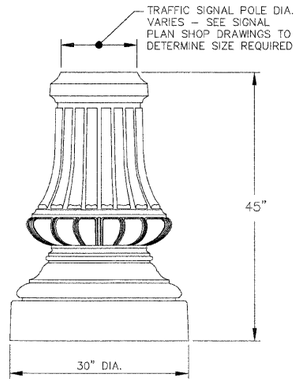
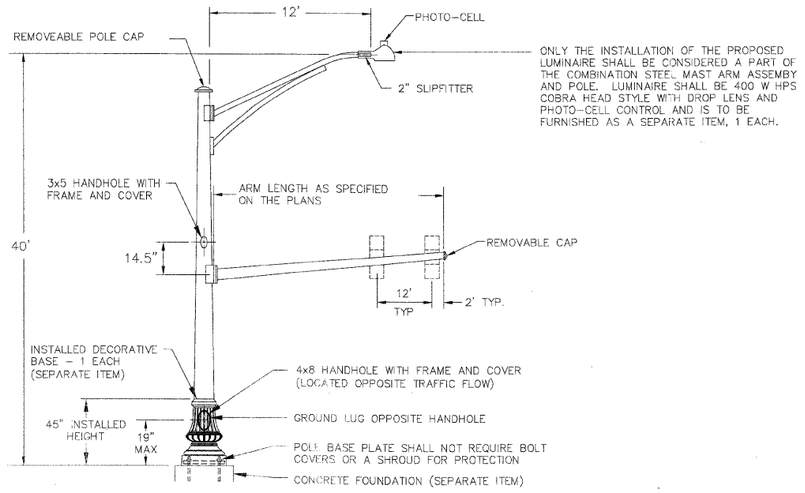
January 04, 2006 1:51:07 p.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	64
TRAFFIC SIGNAL DESIGN DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	



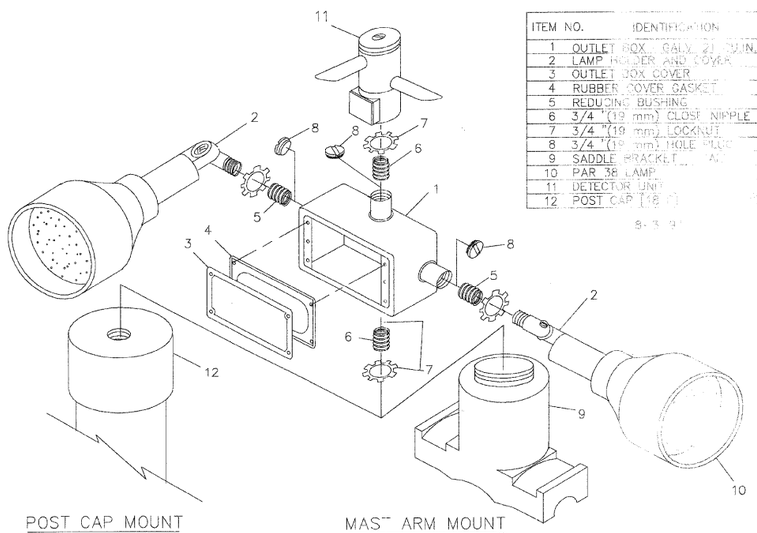
MFG: UNION METAL CORP.
STYLE: NATIONAL FAMILY
BASE NO. 726
MATERIAL: CAST ALUMINUM (2-PC.)
COLOR: GLOSS BLACK

TRAFFIC SIGNAL MAST ARM POLE DECORATIVE BASE DETAIL



DETAIL OF COMBINATION STEEL MAST ARM ASSEMBLY AND POLE

COLOR = GLOSS BLACK



ITEM NO.	IDENTIFICATION	
1	OUTLET BOX, GALV. 21 CUIN. (0.000344 CU-M)	
2	LAMP HOLDER AND COVER	
3	OUTLET BOX COVER	
4	RUBBER COVER GASKET	
5	REDUCING BUSHING	
6	3/4 "(19 mm) CLOSE NIPPLE	
7	3/4 "(19 mm) LOCKNUT	
8	3/4 "(19 mm) HOLE PLUG	
9	SADDLE BRACKET	AS
10	PAR 38 LAMP	
11	DETECTOR UNIT	
12	POST CAP [18 G]	[ST MIN.]

8-3.9

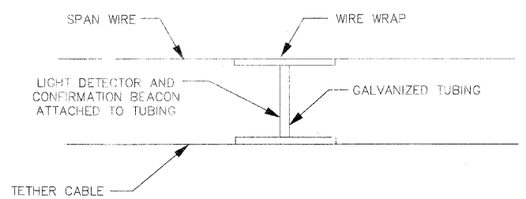
NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR ECUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

POST CAP MOUNT

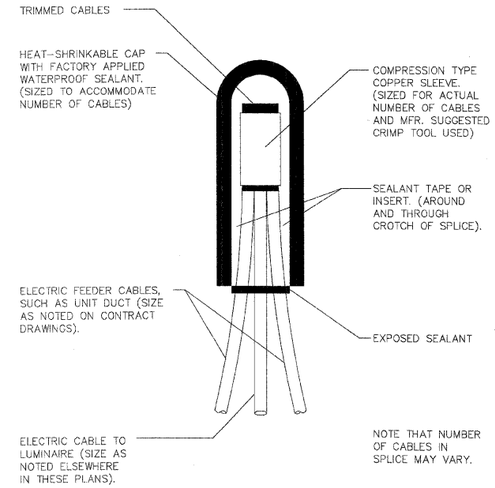
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)



SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS

N.T.S.

	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

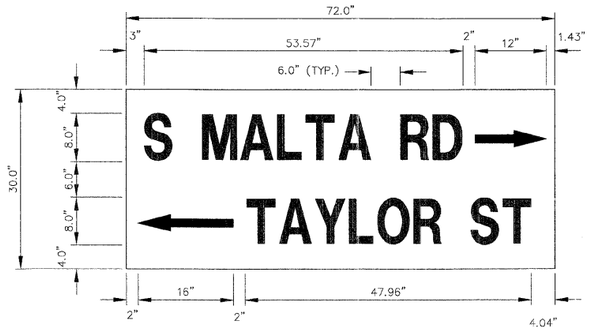
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE
HORZ.
DATE: SEPTEMBER 10, 2005

DRAWN BY: AC
CHECKED BY: AS

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	65
STREET NAME SIGN DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

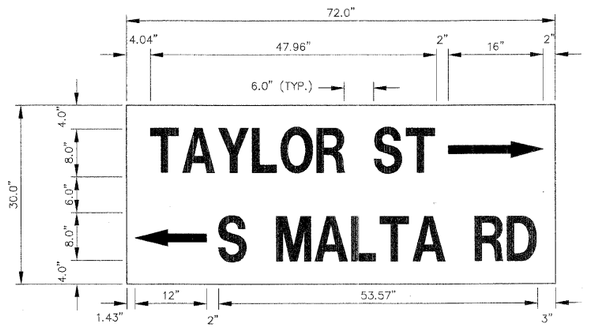
SIGN PANEL, TYPE 2



15.0 Sq. Ft. each

1 Required @ S.W.X.

Design Series C



15.0 Sq. Ft. each

1 Required @ N.E.X.

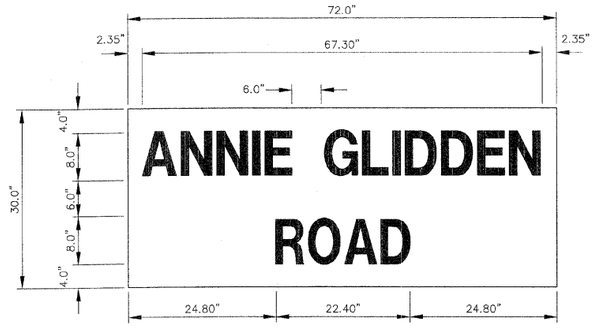
Design Series C

SIGN PANEL TEXT SPACING

LETTER NUMBER	SERIES "C" LETTER HEIGHT 4" STROKE WIDTH (INCHES) 0.56 WIDTH OF LETTER (INCHES)	SERIES "C" LETTER HEIGHT 8" STROKE WIDTH (INCHES) 1.12 WIDTH OF LETTER (INCHES)	SERIES "D" LETTER HEIGHT 4" STROKE WIDTH (INCHES) 1.25 WIDTH OF LETTER (INCHES)	SERIES "D" LETTER HEIGHT 8" STROKE WIDTH (INCHES) 0.62 WIDTH OF LETTER (INCHES)	EDGE CODE LEFT	EDGE CODE RIGHT
A	2.50	5.00	3.34	6.69	III	III
B	2.19	4.38	2.69	5.38	I	II
C	2.19	4.38	2.69	5.38	II	III
D	2.19	4.38	2.69	5.38	I	II
E	2.00	4.00	2.44	4.88	I	III
F	2.00	4.00	2.44	4.88	I	III
G	2.19	4.38	2.69	5.38	II	II
H	2.19	4.38	2.69	5.38	I	I
I	0.56	1.12	0.62	1.25	I	I
J	2.00	4.00	2.50	5.00	III	I
K	2.19	4.38	2.75	5.50	I	III
L	2.00	4.00	2.44	4.88	I	III
M	2.59	5.19	3.09	6.19	I	I
N	2.19	4.38	2.69	5.38	I	I
O	2.31	4.62	2.81	5.62	II	II
P	2.19	4.38	2.69	5.38	I	II
Q	2.31	4.62	2.81	5.62	II	II
R	2.19	4.38	2.69	5.38	I	II
S	2.19	4.38	2.69	5.38	II	II
T	2.00	4.00	2.44	4.88	III	III
U	2.19	4.38	2.69	5.38	I	I
V	2.44	4.88	3.00	6.00	III	III
W	3.00	6.00	3.50	7.00	III	III
X	2.34	4.69	2.69	5.38	III	III
Y	2.50	5.00	3.38	6.75	III	III
Z	2.19	4.38	2.69	5.38	III	III
1	0.81	1.62	0.97	1.94	I	I
2	2.19	4.38	2.69	5.38	II	II
3	2.19	4.38	2.69	5.38	III	II
4	2.44	4.88	2.94	5.88	III	III
5	2.19	4.38	2.69	5.38	I	II
6	2.19	4.38	2.69	5.38	II	II
7	2.19	4.38	2.69	5.38	III	III
8	2.19	4.38	2.69	5.38	II	II
9	2.19	4.38	2.69	5.38	II	II
0	2.31	4.62	2.81	5.62	II	II

EDGE CODE COMB	LETTER SPACING				EXAMPLES	
I–I	0.84	1.68	0.94	1.88	HI	JL
II–II	0.84	1.68	0.94	1.88	NO	PB
III–III	0.67	1.34	0.75	1.50	NA	TS
II–III	0.67	1.34	0.75	1.50	GO	RC
I–II PARALLEL	0.45	0.90	0.50	1.00	LA	FT VY
I–III PARALLEL	0.22	0.45	0.25	0.50	WA EC	LT

SIGN PANEL, TYPE 2



15.0 Sq. Ft. each

2 Required

Design Series C

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

STREET NAME SIGN DETAIL

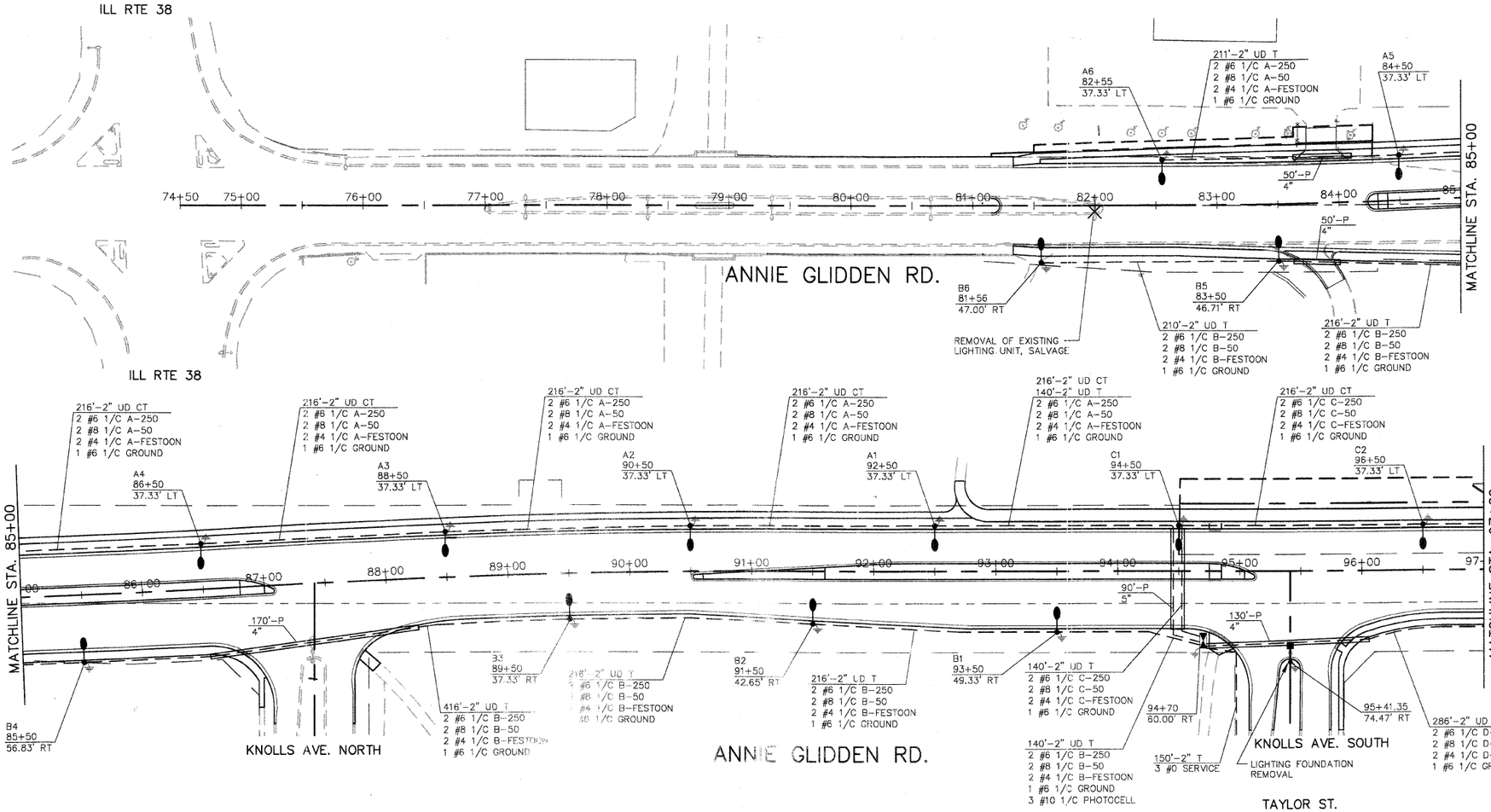
ANNIE GLIDDEN ROAD

SCALE: NONE
DATE: SEPTEMBER 10, 2005

DRAWN BY: AC
CHECKED BY: JRL

D:\LD 2004\03030167\DWG\LIGHTING.DWG
January 04, 2006 1:55:16 p.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	66
STREET LIGHTING PLAN				
F.H.W.A. REG.5	ILLINOIS	PROJECT # HPP-2295(001)		



SCALE: 1" = 50'

0 50'

LEGEND

- PROPOSED LIGHT STANDARD WITH 250 WATT LUMINAIRE & TWIN 50W LUMINAIRES
- PROPOSED LIGHTING CONTROLLER
- GROUND ROD
- 60'-P 4" — GALVANIZED STEEL CONDUIT SLEEVE, PUSHED, OF THE SIZE SPECIFIED
- 216'-2" UD T, 2 #6 1/C A-250, 2 #8 1/C A-50, 2 #4 1/C A-FESTOON, 1 #6 1/C GROUND — UNIT DUCT IN TRENCH (T) OR COMMON TRENCH (CT) OF THE SIZE SPECIFIED WITH THE NUMBER AND SIZE OF THE CABLES SPECIFIED. UNIT DUCT LENGTHS INCLUDE 5 FEET OF VERTICAL CONDUIT AND 3 FEET OF SLACK AT EACH LIGHT POLE.
- EXISTING LIGHT STANDARD
- EXISTING LIGHT STANDARD TO BE REMOVED
- EXISTING LIGHT STANDARD TO BE RELOCATED

NOTES:
1. THE UNIT DUCT FROM STATION 84+16 LT TO 104+50 LT SHALL BE PLACED IN A COMMON TRENCH WITH THE 2" CONDUIT FOR THE TRAFFIC SIGNAL INTERCONNECT. SEE INTERCONNECT PLAN FOR ADDITIONAL INFORMATION.

2. SERVICE LOCATION SHOWN IS APPROXIMATE. COORDINATION WITH THE ELECTRIC UTILITY WILL BE REQUIRED PRIOR TO INSTALLATION.

3. THE EXISTING LIGHT STANDARD AT STATION 82+00 SHALL BE REMOVED AND REMAIN THE PROPERTY OF THE CITY. THE CABLES TO THIS LIGHT STANDARD SHALL BE DISCONNECTED IN THE LIGHT STANDARD AT STATION 80+65 AND PULLED FROM THE CONDUIT. THE FOUNDATION SHALL BE REMOVED TO A DEPTH OF 2 FEET BELOW THE FINISHED SURFACE. THIS WORK SHALL BE PAID FOR AS REMOVAL OF LIGHTING UNIT, SALVAGE.

4. THE EXISTING LIGHT STANDARD AT STATION 95+41 SHALL BE RELOCATED TO A NEW 30" DIAMETER FOUNDATION AT THE LOCATION SHOWN OR AS DIRECTED BY THE ENGINEER. THE EXISTING FOUNDATION SHALL BE REMOVED TO A DEPTH 2 FEET BELOW THE FINISHED SURFACE.

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

STREET LIGHTING PLAN

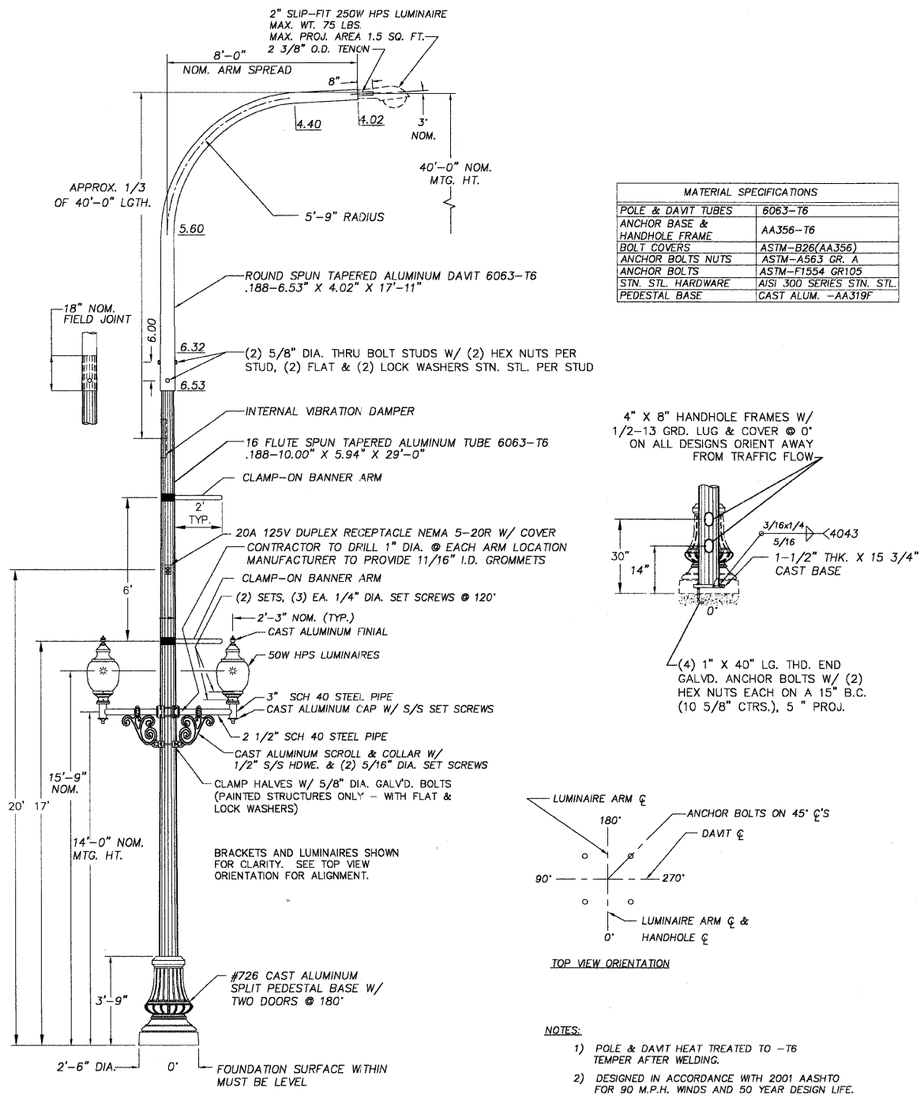
ANNIE GLIDDEN RD

SCALE: 1"=50'
DATE: 6-15-05

DRAWN BY: JMH
DESIGNED BY: DAY
CHECKED BY: JRL

D:\LD 2004\03030167\DWG\LIGHTING DETAILS.DWG
March 16, 2006 3:27:51 p.m.

F.A.U. ROUTE	Contract 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	CONTRACT NO. 05-00160-00-WR	DEKALB	140	67
STREET LIGHTING DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



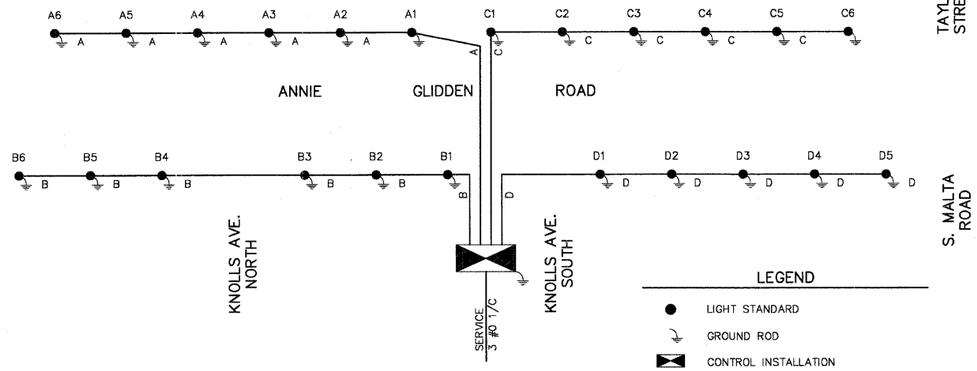
MATERIAL SPECIFICATIONS	
POLE & DAVIT TUBES	6063-T6
ANCHOR BASE & HANDHOLE FRAME	AA356-T6
BOLT COVERS	ASTM-B26(AA356)
ANCHOR BOLTS NUTS	ASTM-A563 GR. A
ANCHOR BOLTS	ASTM-F1554 GR105
STN. STL. HARDWARE	AISI 300 SERIES STN. STL.
PEDESTAL BASE	CAST ALUM. -AA319F

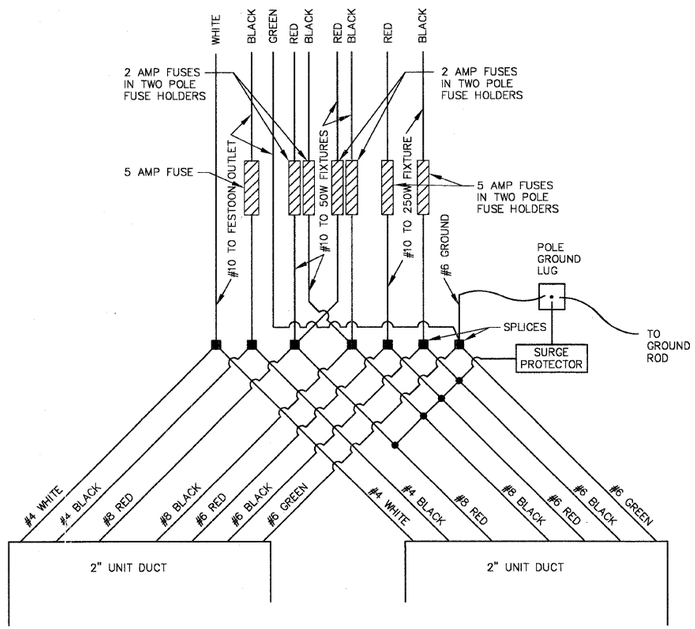
TOP VIEW ORIENTATION

NOTES:

1) POLE & DAVIT HEAT TREATED TO -T6 TEMPER AFTER WELDING.
2) DESIGNED IN ACCORDANCE WITH 2001 AASHTO FOR 90 M.P.H. WINDS AND 50 YEAR DESIGN LIFE.
3) FINISH PAINT: PER SALES ORDER.

LIGHT STANDARD DETAIL





POLE WIRING DETAIL

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

STREET LIGHTING DETAILS

ANNIE GLIDDEN RD

SCALE: NONE
DATE: 6-15-05

DRAWN BY: JMH
CHECKED BY: DAY

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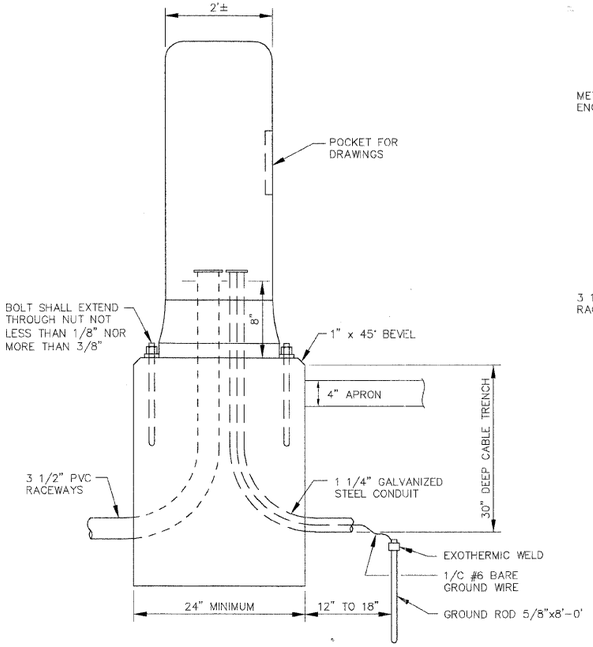
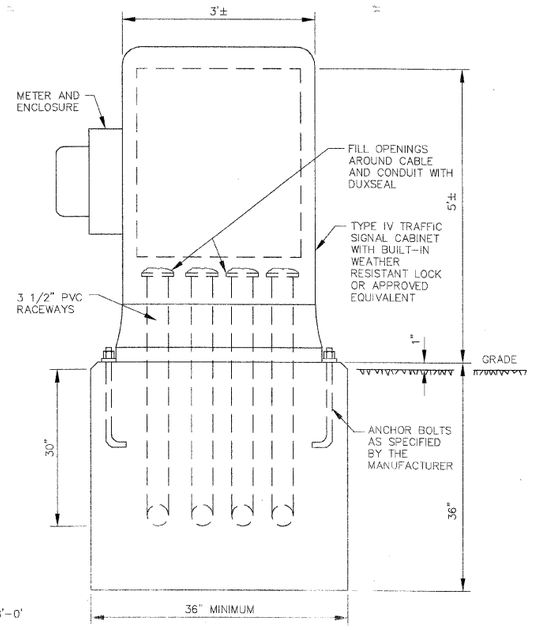
January 03, 2006 9:58:25 a.m.

F.A.U. ROUTE	Contract 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	CONTRACT NO. 05-00160-00-WR	DEKALB	140	68
CONTROL INSTALLATION, SPECIAL DETAIL				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

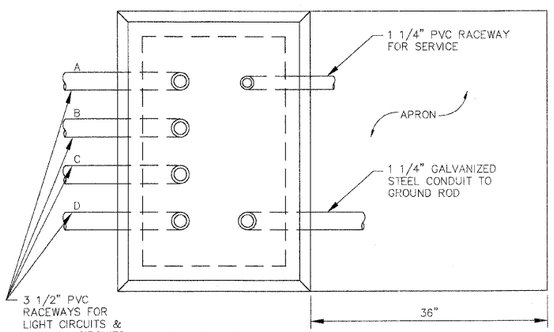


CABINET & FOUNDATION
(SIDE VIEW)



CABINET & FOUNDATION
(FRONT VIEW)

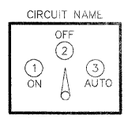
NOTE: CONCRETE FOUNDATION SHALL CONFORM TO STANDARD 878001 FOR TYPE D FOUNDATION.



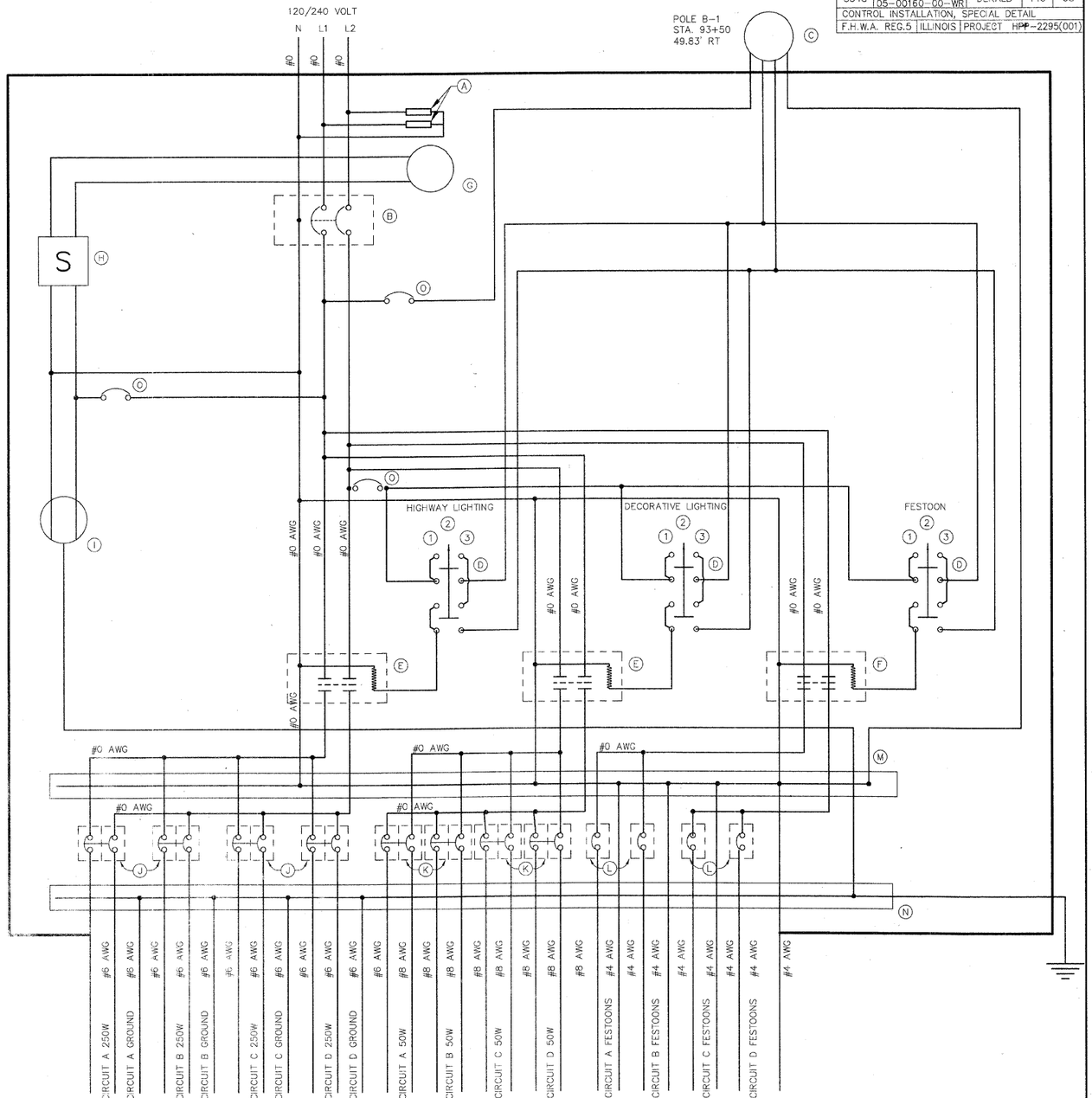
FOUNDATION
(TOP VIEW)

ITEMS

- LIGHTNING ARRESTERS
- MAIN CIRCUIT BREAKER – [illegible] 2-POLE
- PHOTOCELL LOCATED ON POLE [illegible]
- SELECTOR SWITCH – OFF / AUTOMATIC – MANUAL
- CONTROL CONTACTOR, 30 AMP – 2 POLE
- CONTROL CONTACTOR, 100 AMP – THREE POLE
- CABINET LIGHT
- CABINET LIGHT SWITCH
- DUPLEX RECEPTACLE
- BRANCH CIRCUIT BREAKER, 15 AMP – 1 POLE
- BRANCH CIRCUIT BREAKER, 20 AMP – 1 POLE
- BRANCH CIRCUIT BREAKER, 20 AMP – 2 POLE
- NEUTRAL BUS BAR – 6 CONNECTORS FOR #6 WIRE, 2 CONNECTORS FOR #2 WIRE
- GROUND BUS BAR – 6 CONNECTORS FOR #6 WIRE, 1 CONNECTOR FOR #2 WIRE
- CIRCUIT BREAKER, 20 AMP – 2 POLE



NAME PLATE FOR SELECTOR SWITCHES SEE ABOVE FOR CIRCUIT NAMES



NOTE: 1. ALL CONTROLLER WIRING SHALL BE STRANDED COPPER. ALL CONTROLLER WIRING SHALL BE #12 AWG UNLESS OTHERWISE NOTED.

2. NEUTRAL AND GROUND TO BE BONDED TOGETHER AT THE SERVICE DISCONNECT.

NAME	DATE
REVISIONS	

DIVISION OF TRANSPORTATION

CONTROL INSTALLATION, SPECIAL

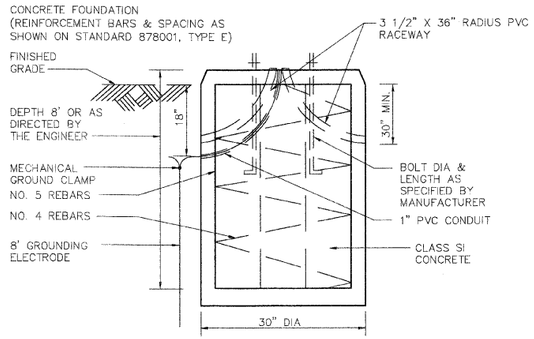
ANNIE GLIDDEN RD

SCALE: NONE
DATE: 5-26-04

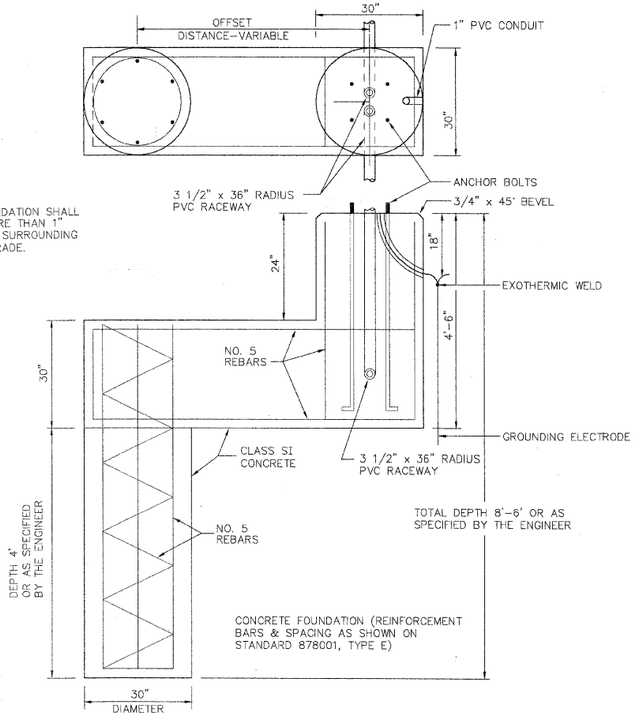
DRAWN BY: JMH
CHECKED BY: DAY

D:\LD 2004\03030187\DWG\LIGHTING DETAILS.DWG
January 18, 2006 12:44:07 p.m.

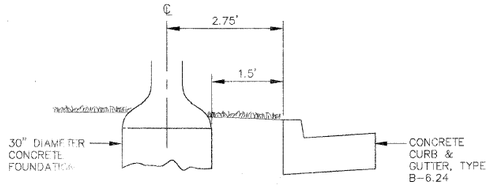
F.A.U. ROUTE	Contract 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	CONTRACT NO. 05-00160-00-WR	DEKALB	140	69
STREET LIGHTING DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	



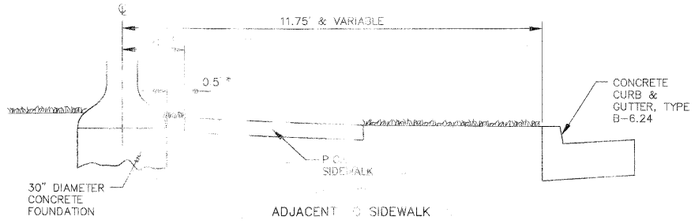
LIGHTING POLE FOUNDATION 30" DIAMETER



LIGHTING POLE FOUNDATION, 30" DIAMETER, OFFSET



ADJACENT TO CURB AND GUTTER



ADJACENT TO SIDEWALK

TYPICAL POLE LOCATION UNLESS NOTED OTHERWISE ON PLAN

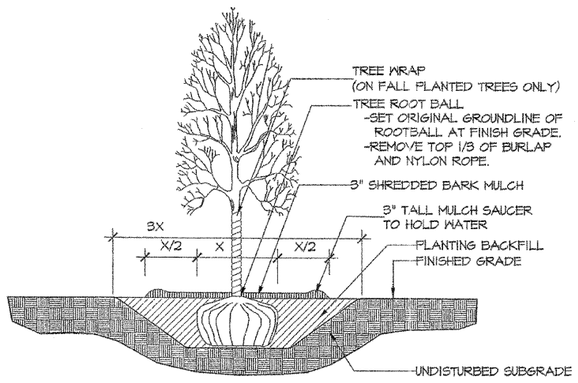
POLE LOCATION DETAILS

		DIVISION OF TRANSPORTATION
		STREET LIGHTING DETAILS
		ANNIE GLIDDEN RD
NAME	DATE	
REVISIONS		SCALE: NONE DRAWN BY: JMH
		DATE: 6-15-05 CHECKED BY: DAY

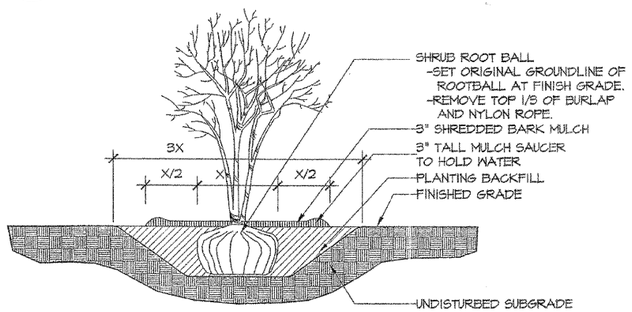
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	70
LANDSCAPING DETAILS AND PLANT SCHEDULE				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

GENERAL LANDSCAPE NOTES

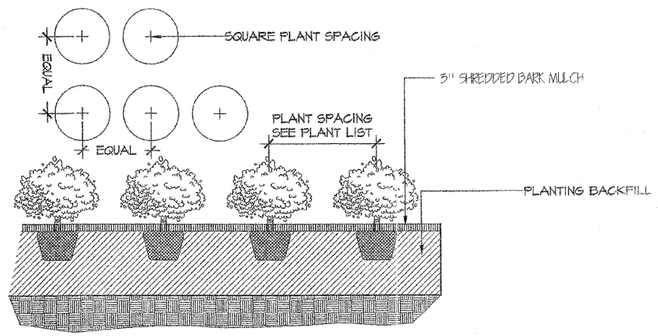
THE LOCATION OF ALL PLANT MATERIAL SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER IN FIELD PRIOR TO INSTALLATION OF ANY PLANT MATERIAL. INDIVIDUAL TREES SHALL BE STAKED WITH IDENTITIES WRITTEN ON STAKES. SHRUB AND PERENNIAL BEDS SHALL BE OUTLINED WITH STAKES AND PAINTED LINES.



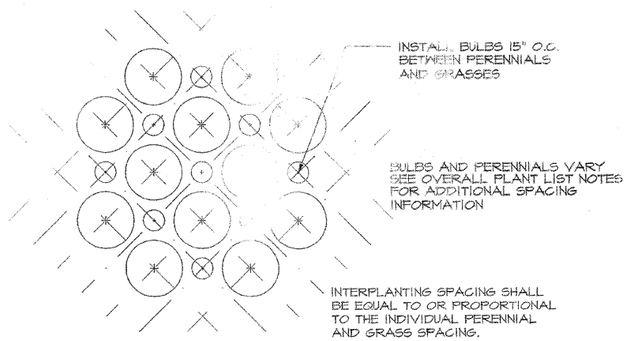
1 **SHADE TREE PLANTING DETAIL**
No Scale



2 **SHRUB PLANTING DETAIL**
No Scale



3 **PERENNIAL / GROUNDCOVER PLANTING DETAIL**
No Scale



4 **INTERPLANTING DETAIL**
No Scale

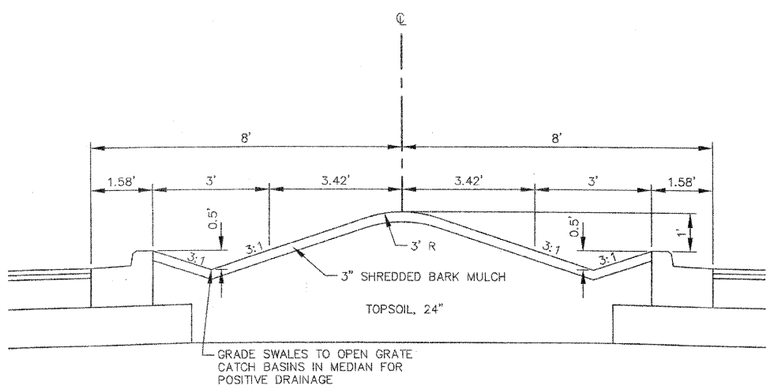
SCHEDULE OF PLANT MATERIAL

	SCIENTIFIC NAME	COMMON NAME	MEASURED SIZE	SPACING	UNIT	QUANTITY
TREES	ACER X FREEMANII 'ARMSTRONG'	ARMSTRONG FREEMAN MAPLE	3" CALIPER	AS SHOWN	EACH	1
	FRAXINUS AMERICANA 'AUTUMN APPLESAUCE'	AUTUMN APPLESAUCE' WHITE ASH	3" CALIPER	AS SHOWN	EACH	28
	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'	SHADEMASTER THORNLESS COMMON HONEYLOCUST	3" CALIPER	AS SHOWN	EACH	30
	MALUS 'SPRING SNOW'	SPRING SNOW CRABAPPLE	3" CALIPER, TREE FORM	AS SHOWN	EACH	11
	TILIA CORDATA	LITTLELEAF LINDEN	3" CALIPER	AS SHOWN	EACH	25
SHRUBS	ARONIA MELANOCARPA 'MORTON'	IROQUOIS BEAUTY BLACK CHOKEBERRY	2.5' HEIGHT	3' C/C	EACH	54
	BERBERIS THUNBERGII 'BAILONE'	RUBY CAROUSEL BARBERRY	2' HEIGHT	2' C/C	EACH	213
	EUONYMUS ALATUS 'TIMBER CREEK'	CHICAGO FIRE BURNING BUSH	3' HEIGHT	AS SHOWN	EACH	10
	HAMAMELIS MOLLIS	CHINESE WITCHHAZEL	5' HEIGHT	AS SHOWN	EACH	1
	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	18" HEIGHT	AS SHOWN	EACH	20
	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	18" HEIGHT	3' C/C	EACH	60
	VIBURNUM DENTATUM 'BLUE MUFFIN'	BLUE MUFFIN ARROWWOOD	3' HEIGHT	AS SHOWN	EACH	15
GRASSES	MOLINIA CAERULEA 'MOORHEXE'	PURPLE MOOR GRASS	1 GALLON	2.5' C/C	EACH	18
	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS	1 GALLON	2' C/C	EACH	44
	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	1 GALLON	2' C/C	EACH	119
	SPOROBULUS HETEROLEPIS	PRAIRIE DROPSEED	1 GALLON	2.5' C/C	EACH	142
PERENNIALS	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GALLON	1.25' C/C	EACH	120
	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	1 GALLON	1.5' C/C	EACH	89

NOTE: ALL TREES AND SHRUBS SHALL BE BALLED AND BURLAPPED.

3" SHREDDED BARK MULCH	SY	1500	

LANDSCAPED MEDIAN GRADING TYPICAL SECTION



January 18, 2006 12:48:06 p.m.
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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	71
LANDSCAPING PLAN				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

3 – TILIA CORDATA LITTLELEAF LINDEN

5 – FRAXINUS AMERICANA "AUTUMN APPLESAUCE" WHITE ASH

5 – GLEDITSIA TRIACANTHOS INERMIS "SHADEMASTER" SHADEMASTER THORNLESS COMMON HONEYLOCUST

5 – TILIA CORDATA LITTLELEAF LINDEN

2 – TILIA CORDATA LITTLELEAF LINDEN

EXIST. PERMANENT EASEMENT

EXIST. ROW

PROP. TEMP. EASEMENT

PROP. ROW

EXIST. UTILITY EASEMENT

SEE MEDIAN PLANTING PLAN (TYP)

3 – FRAXINUS AMERICANA "AUTUMN APPLESAUCE" WHITE ASH

2 – MALUS "SPRING SNOW" CRABAPPLE

MATCH LINE STA. 94+00 SEE BELOW

SCALE: 1" = 50'

ANNIE GLIDDEN ROAD

KNOLLS AVE. NORTH

LANDSCAPING LEGEND

- SEEDING CLASS 2A & MULCH (SEE NOTE)
- SEEDING CLASS 4A & MULCH (SEE NOTE)
- NATIVE PLANTINGS (SEEDING CLASS 4B & EROSION CONTROL BLANKET)
- SODDING
- RIPRAP (SEE UTILITY PLAN & PROFILE FOR DETAILS)

NOTE:
TREES TO BE PLANTED 3' BEHIND BACK OF SIDEWALK OR BICYCLE PATH.

EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SIDE SLOPES OF THE COMPENSATORY STORAGE BASIN IN LIEU OF MULCH, METHOD 2.

MATCH LINE STA. 204+50 SEE SHEET NO. 72

NOTE:
PERMANENT SEEDING SHALL BE COVERED WITH EROSION CONTROL BLANKET ON ALL SIDE SLOPES OF COMPENSATORY STORAGE BASIN AND ALL DITCH BOTTOMS (EXCEPT SWALES) IN LIEU OF MULCH, METHOD 2. SEE UTILITY PLAN AND PROFILE SHEETS FOR DITCH LOCATIONS AND EROSION CONTROL DETAILS FOR EROSION CONTROL BLANKET INSTALLATION AT DITCHES.

70' 45' 10' 25' 50

SEE COMPENSATORY STORAGE GRADING PLAN FOR FINAL ELEVATIONS AFTER TOPSOIL PLACEMENT

NO CONSTRUCTION EQUIPMENT OR PERSONNEL SHALL GO BEYOND PERIMETER EROSION BARRIER LIMITS

1 – TILIA CORDATA LITTLELEAF LINDEN

3 – GLEDITSIA TRIACANTHOS INERMIS "SHADEMASTER" SHADEMASTER THORNLESS COMMON HONEYLOCUST

3 – FRAXINUS AMERICANA "AUTUMN APPLESAUCE" WHITE ASH

98+00 120' LT

EXIST. PERM. EASEMENT

EXIST. ROW

EXIST. UTILITY EASEMENT

2 – MALUS "SPRING SNOW" CRABAPPLE

3 – FRAXINUS AMERICANA "AUTUMN APPLESAUCE" WHITE ASH

2 – GLEDITSIA TRIACANTHOS INERMIS "SHADEMASTER" SHADEMASTER THORNLESS COMMON HONEYLOCUST

2 – GLEDITSIA TRIACANTHOS INERMIS "SHADEMASTER" SHADEMASTER THORNLESS COMMON HONEYLOCUST

SEE MEDIAN PLANTING PLAN (TYP)

5 – TILIA CORDATA LITTLELEAF LINDEN

3 – FRAXINUS AMERICANA "AUTUMN APPLESAUCE" WHITE ASH

3 – GLEDITSIA TRIACANTHOS INERMIS "SHADEMASTER" SHADEMASTER THORNLESS COMMON HONEYLOCUST

2 – MALUS "SPRING SNOW" CRABAPPLE

3 – GLEDITSIA TRIACANTHOS INERMIS "SHADEMASTER" SHADEMASTER THORNLESS COMMON HONEYLOCUST

3 – FRAXINUS AMERICANA "AUTUMN APPLESAUCE" WHITE ASH

TREES (LT) TO BE 7' BEHIND BITUMINOUS PATH

PROP. ROW

EXIST. ROW

EXIST. EASE.

PROP. TEMP. EASEMENT

PROP. PERM. EASE.

SEE PARKWAY PLANTING DETAIL (AREAS SPECIFIED FOR MULCHING SHALL NOT BE INCLUDED IN QUANTITY FOR SODDING)

TAYLOR ST.

SCALE: 1" = 50'

ANNIE GLIDDEN ROAD

NOTE:
TREES TO BE PLANTED 3' BEHIND BACK OF SIDEWALK OR BITUMINOUS PATH UNLESS OTHERWISE NOTED.

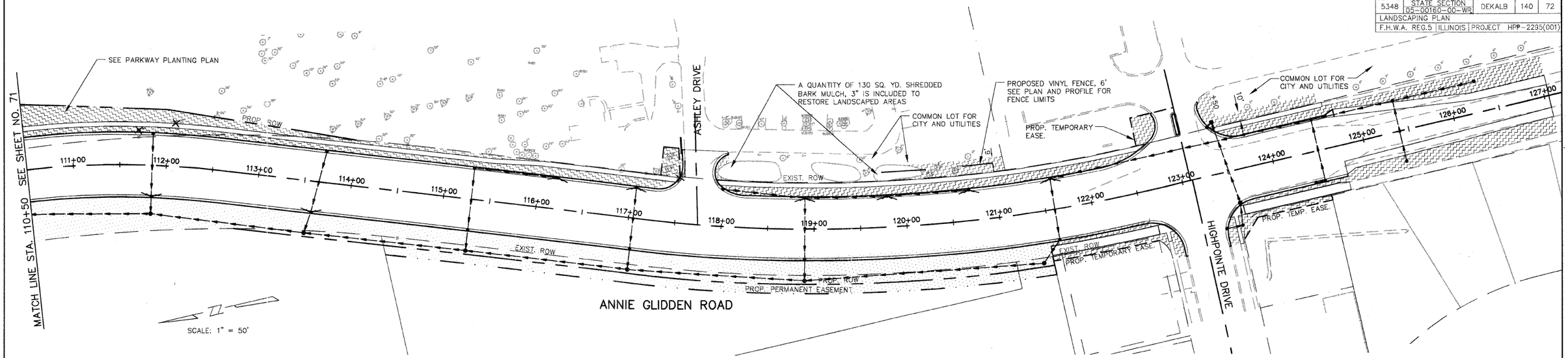
MATCH LINE STA. 198+50 SEE SHEET NO. 72

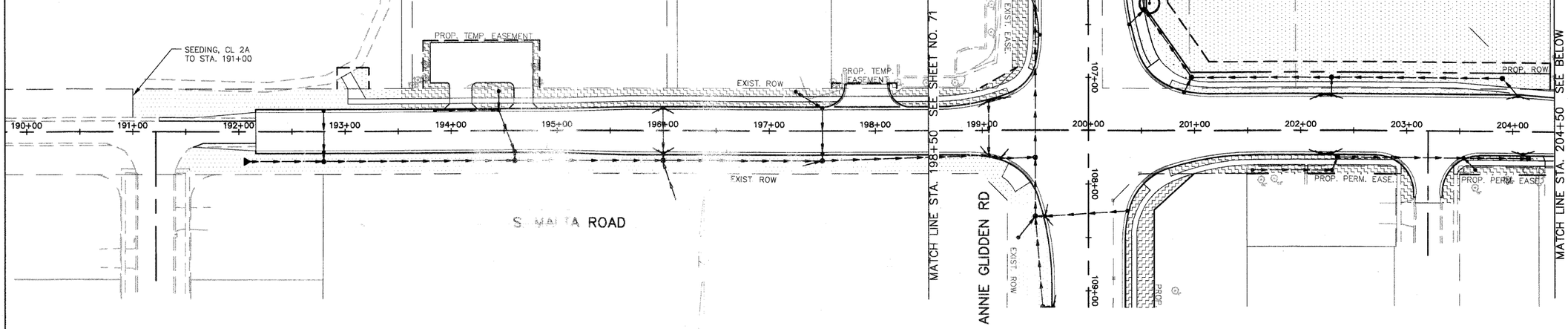
MATCH LINE STA. 94+00 SEE ABOVE

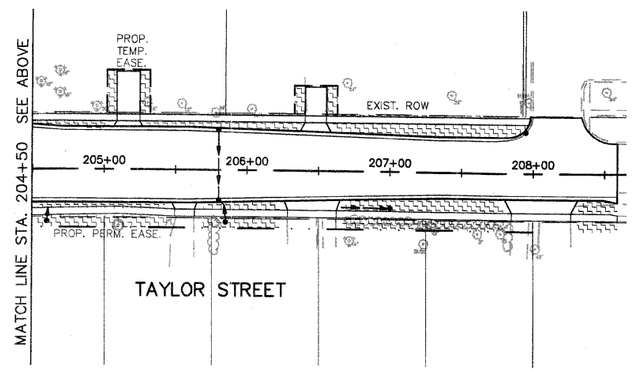
MATCH LINE STA. 110+50 SEE SHEET NO. 72

D:\LD 2004\03030167\DWG\LANDSCAPE PLAN.DWG
January 18, 2006 12:48:06 p.m.

F.A.U. ROUTE	CONTRACT NO. 97330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	72
LANDSCAPING PLAN				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		







FOR LANDSCAPING LEGEND AND NOTES, SEE SHEET 66

January 04, 2006 2:00:54 p.m.
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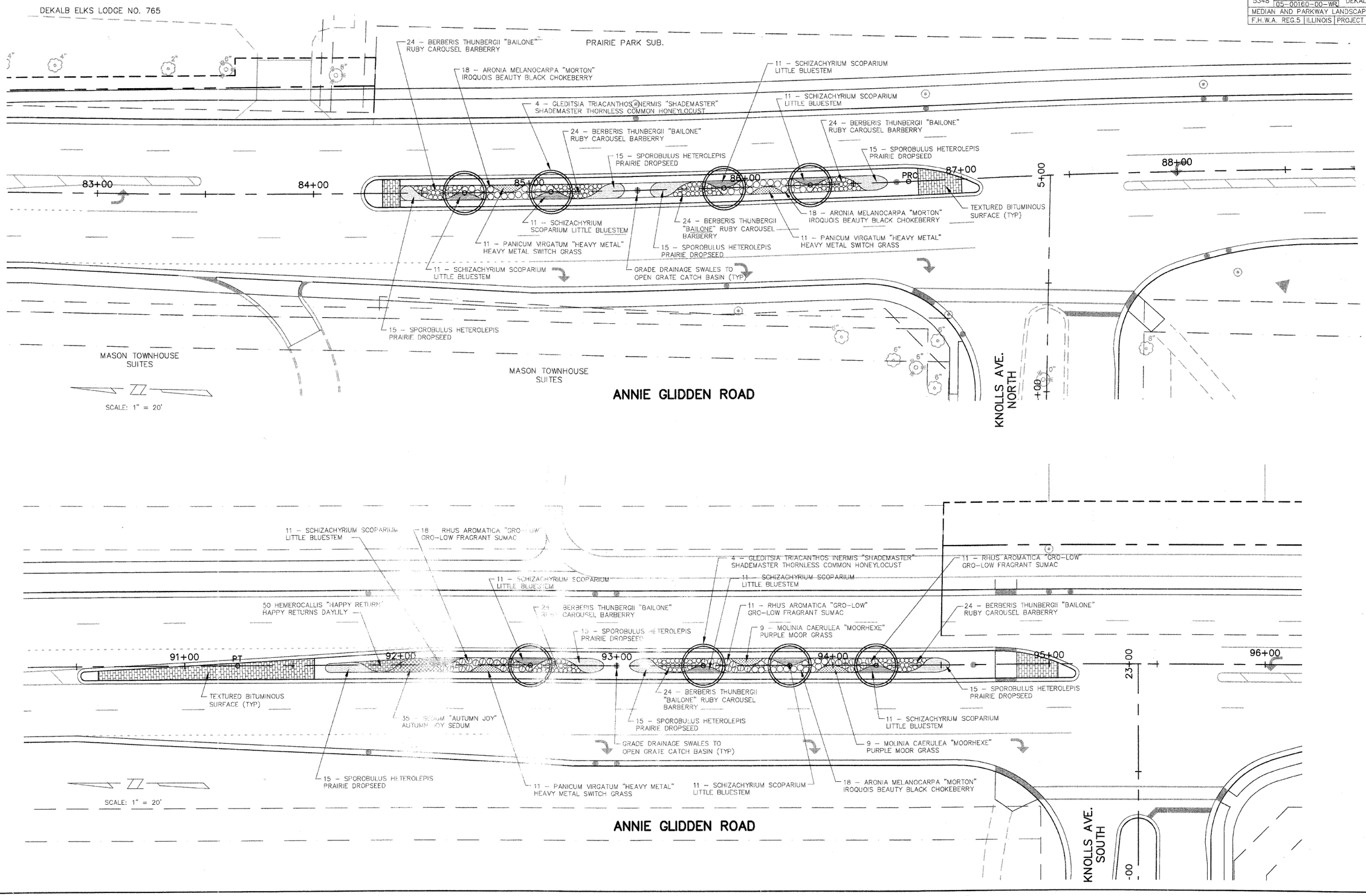
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	73
MEDIAN AND PARKWAY LANDSCAPING DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	74
MEDIAN AND PARKWAY LANDSCAPING DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

CITY OF DEKALB

10 – RHUS AROMATICA "GRO-LOW"
GRO-LOW FRAGRANT SUMAC

45 – BERBERIS THUNBERGII "BAILONE"
RUBY CAROUSEL BARBERRY

35 – HEMEROCALLIS "HAPPY RETURN"
HAPPY RETURNS DAYLILY

11 – PANICUM VIRGATUM "HEAVY METAL"
HEAVY METAL SWITCH GRASS

10 – RHUS AROMATICA "GRO-LOW"
GRO-LOW FRAGRANT SUMAC

35 – HEMEROCALLIS "HAPPY RETURN"
HAPPY RETURNS DAYLILY

98+00 99+00 100+00 101+00 102+00 103+00

GRADE DRAINAGE SWALES
TO OPEN GRATE CATCH
BASIN (TYP)

27 – SEDUM "AUTUMN JOY"
AUTUMN JOY SEDUM

9 – SCHIZACHYRIUM SCOPARIUM
LITTLE BLUESTEM

11 – SCHIZACHYRIUM SCOPARIUM
LITTLE BLUESTEM

11 – SPOROBULUS HETEROLEPIS
PRAIRIE DROPSEED

TEXTURED BITUMINOUS
SURFACE (TYP)

27 – SEDUM "AUTUMN JOY"
AUTUMN JOY SEDUM

11 – SPOROBULUS HETEROLEPIS
PRAIRIE DROPSEED

2 – GLEDITSIA TRIACANTHOS INERMIS "SHADEMASTER"
SHADEMASTER THORNLESS COMMON HONEYLOCUST

ANNIE GLIDDEN ROAD

SCALE: 1" = 20'

3 – FRAXINUS AMERICANA
"WINDY CITY" WHITE ASH

1 – ACER X FREEMANII
"ARMSTRONG" FREEMAN MAPLE

5 – EUONYMUS ALATUS "TIMBER CREEK"
CHICAGO FIRE BURNING BUSH

3 – TILIA CORDATA
LITTLELEAF LINDEN

1 – HAMAMELIS MOLLIS
CHINESE WITCHHAZEL

5 – EUONYMUS ALATUS "TIMBER CREEK"
CHICAGO FIRE BURNING BUSH

10 – ILEX VERTICILLATA
"RED SPRITE" WINTERBERRY

10 – ILEX VERTICILLATA
"RED SPRITE" WINTERBERRY

5 – VIBURNUM DENTATUM
"BLUE MUFFIN" ARROWWOOD

5 – MALUS "SPRING SNOW"
CRABAPPLE

5 – VIBURNUM DENTATUM
"BLUE MUFFIN" ARROWWOOD

108+00 109+00 PC 110+00 111+00 112+00 PT 113+00 114+00

GRAVEL SHOULDER

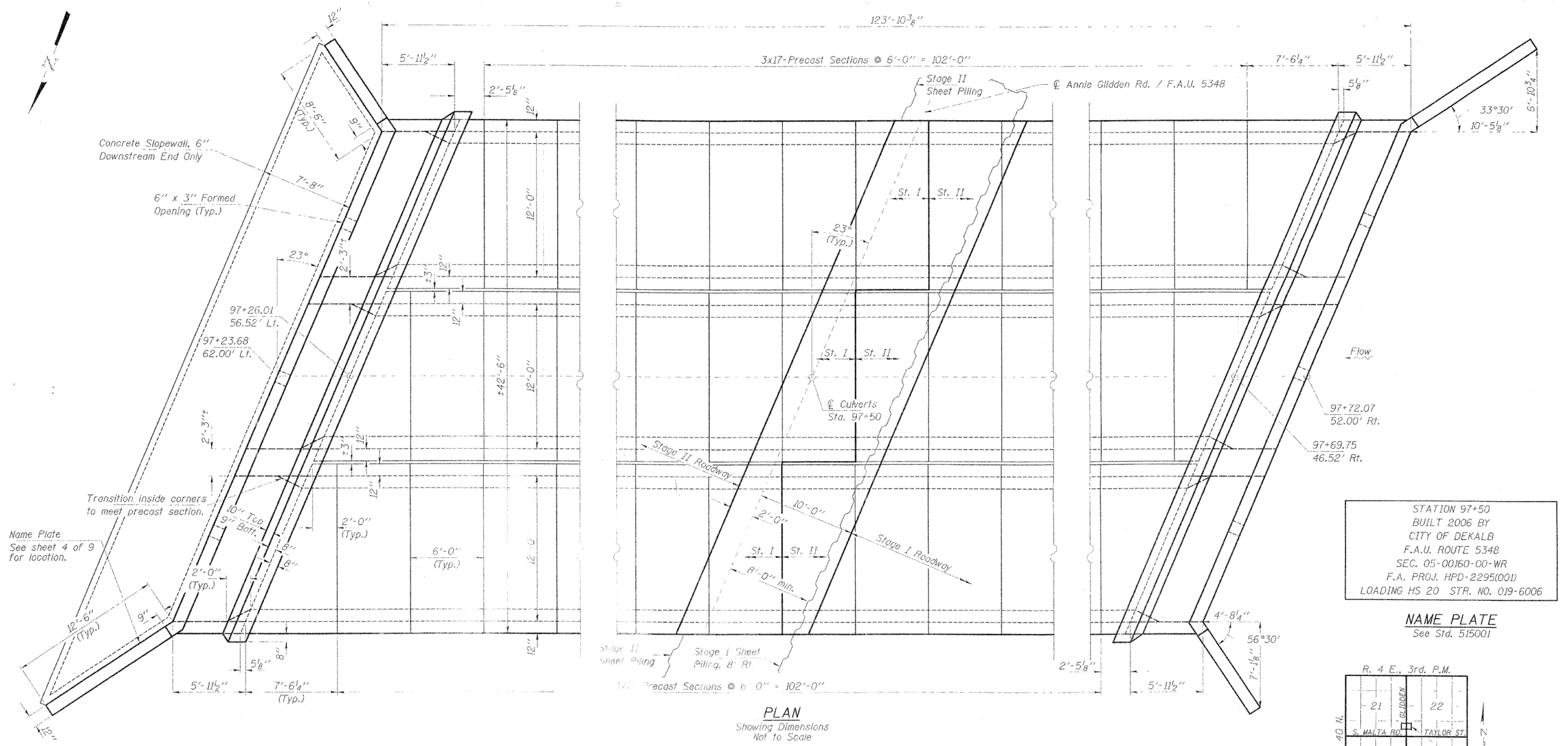
GRAVEL SHOULDER

ANNIE GLIDDEN ROAD

SCALE: 1" = 20'

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	75
CULVERT DETAILS				
F.H.W.A. REG. 5	ILLINOIS	PROJECT HPP-2295(001)		

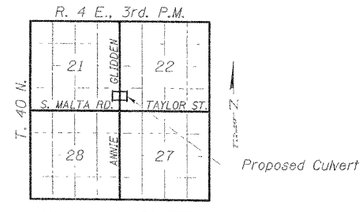
Sheet 1 of 9



PLAN
Showing Dimensions
Not to Scale

STATION 97+50
BUILT 2006 BY
CITY OF DEKALB
F.A.U. ROUTE 5348
SEC. 05-00160-00-WR
F.A. PROJ. HPD-2295(001)
LOADING HS 20 STR. NO. 019-6006

NAME PLATE
See Std. 515001



LOCATION SKETCH

DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi (Precast Box)
fy = 65,000 psi (Welded Wire Fabric)

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)
Loading HS 20-44
Design Specifications: 2002 AASHTO & all applicable interims.

WATERWAY DATA

Drainage Area	2.9 Sq. Mi.
Existing Opening (50 yr)	47.4 Sq. Ft.
Req'd Opening (50 yr)	116 Sq. Ft.
Proposed Opening (50 yr)	116 Sq. Ft.
Design Discharge (50 yr)	590 C.F.S.
Created Head (50 yr)	N/A
100 Yr. Discharge	754 C.F.S.
100 Yr. Created Head	0.5 Ft.

I certify that to the best of my knowledge, information and belief, this culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges".

Steven W. Meggenson 12-21-05
ILLINOIS STRUCTURAL NO. 6064

STEVEN W. MEGGENSON 6064 LICENSED STRUCTURAL ENGINEER OF ILLINOIS SPRINGFIELD

Expires 11-30-06

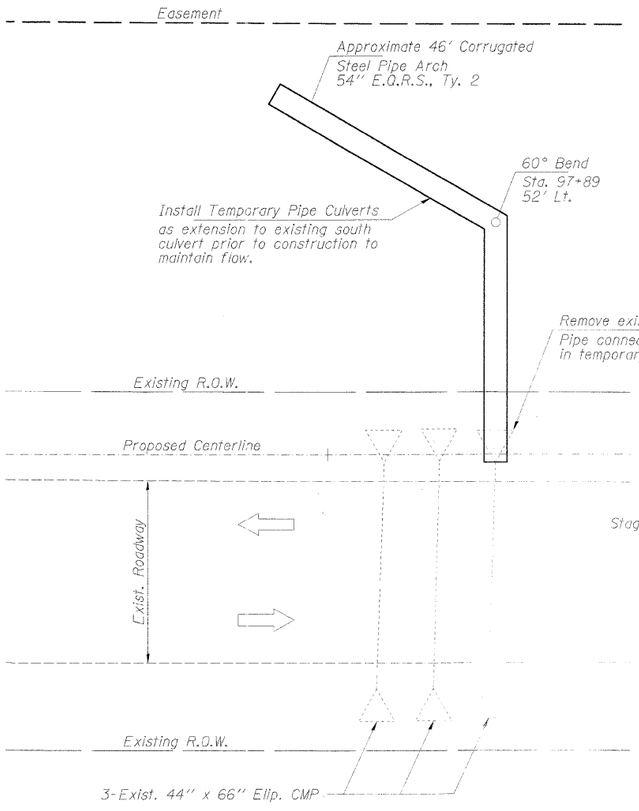
Rice, Berry and Associates
A Division of Hudgeon, Hanzlik and Renwick, Inc.
Civil & Structural Engineers
3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400

Account Number 03-03-0167-x
Date: 12/29/05
DESIGNED: S.A.S. | CHECKED: S.W.M. | DRAWN: D.B.

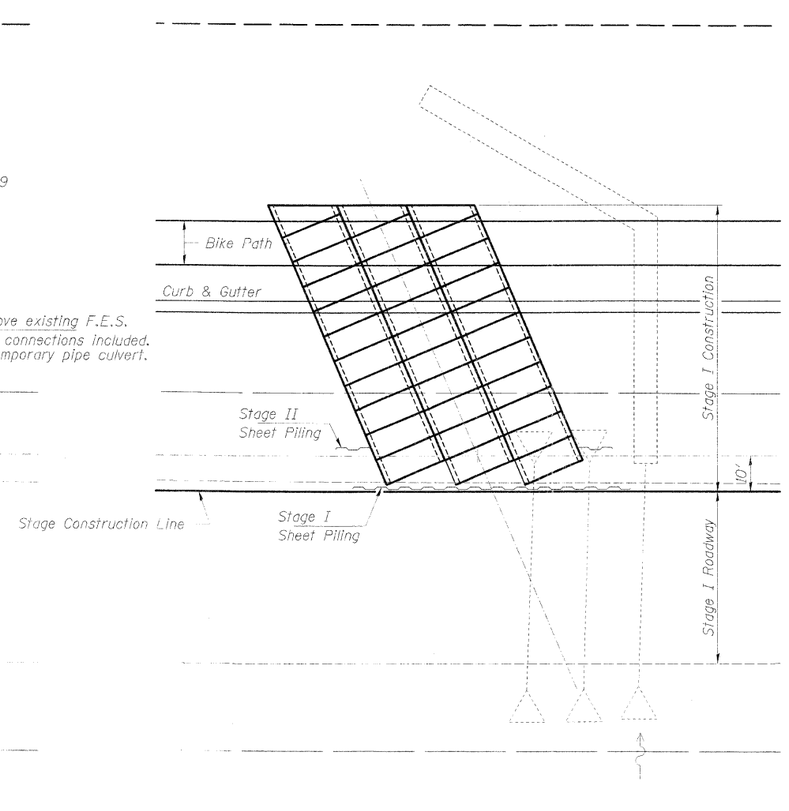
CULVERT DETAILS

F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD
SECTION 05-00160-00-WR
CITY OF DEKALB
STATION 97+50

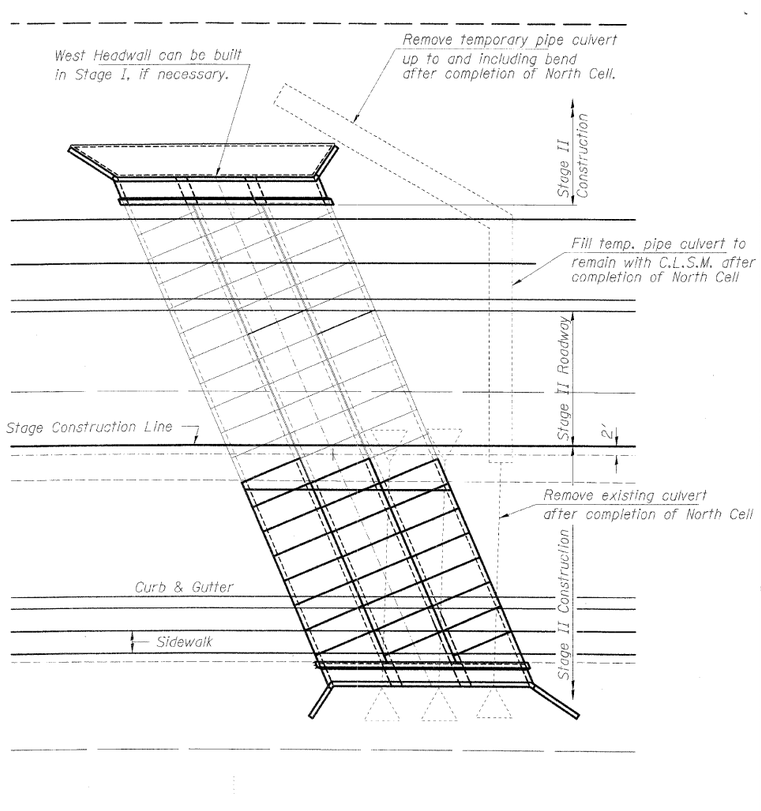
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	76
CULVERT DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



PRELIMINARY STAGE
Not to Scale



STAGE I CONSTRUCTION
Not to Scale



STAGE II CONSTRUCTION
Not to Scale

The Contractor will construct the North cell of Stage II for dewatering purposes during the final construction.

Notes:
The Contractor shall be responsible for diverting water flow in accordance with Section 540 of the Standard Specifications. Any changes proposed by the Contractor shall meet the approval of the Engineer and shall be within permitting requirements.

HLR
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Account Number 03-03-0167-x
Date: 12/29/05
DESIGNED: S.M.S CHECKED: S.W.M. DRAWN: D.B.

CULVERT STAGING DETAILS

F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD

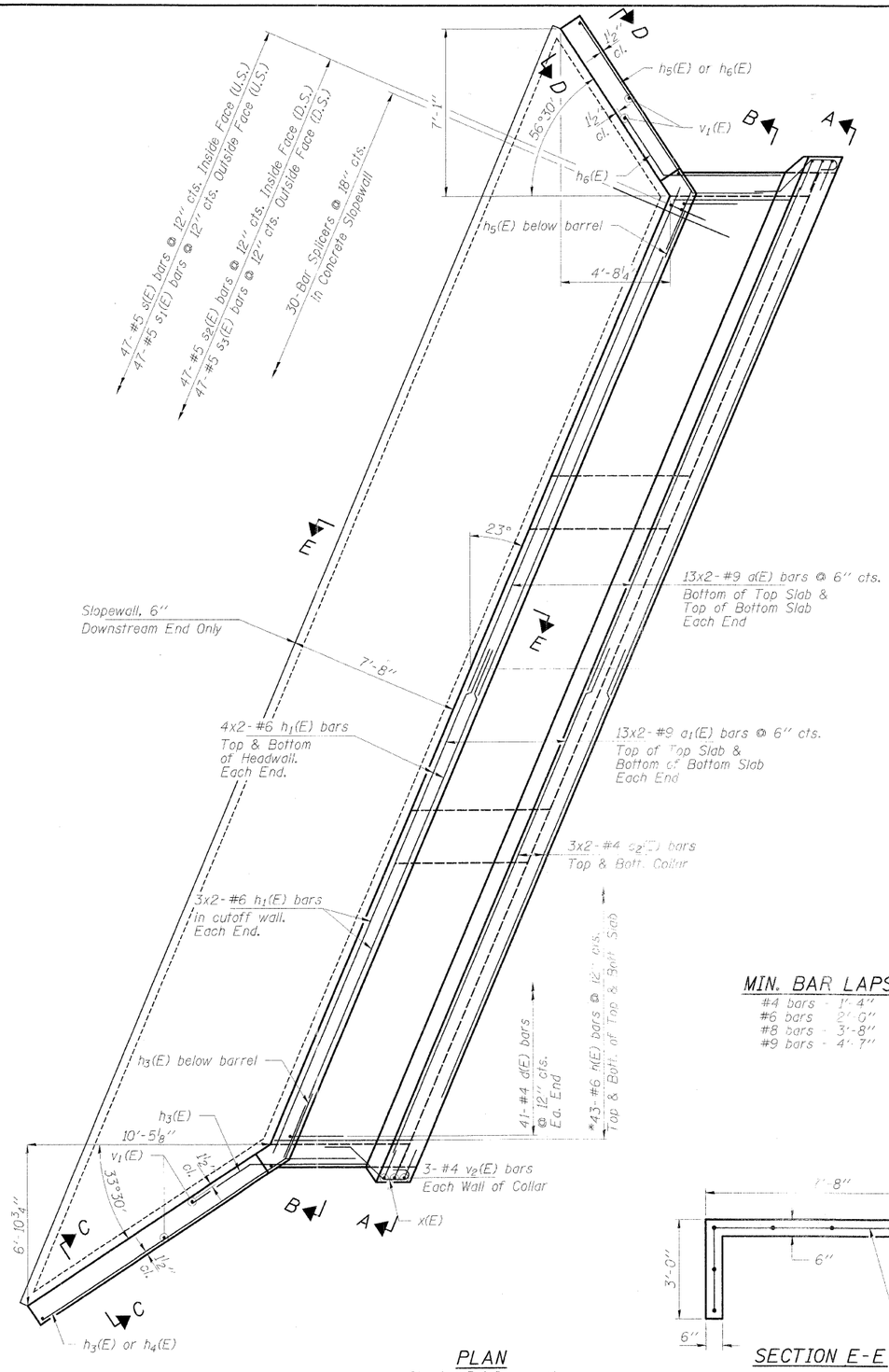
SECTION 05-00160-00-WR

CITY OF DEKALB

STATION 97+50

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	77
CULVERT DETAILS				
F.H.W.A. REG. 5	ILLINOIS	PROJECT HPP-2295(001)		

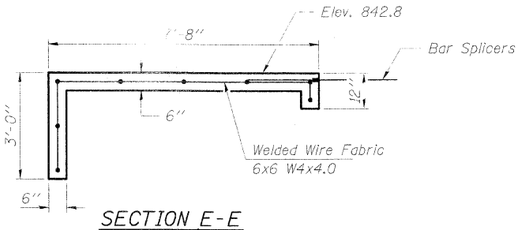
Sheet 3 of 9



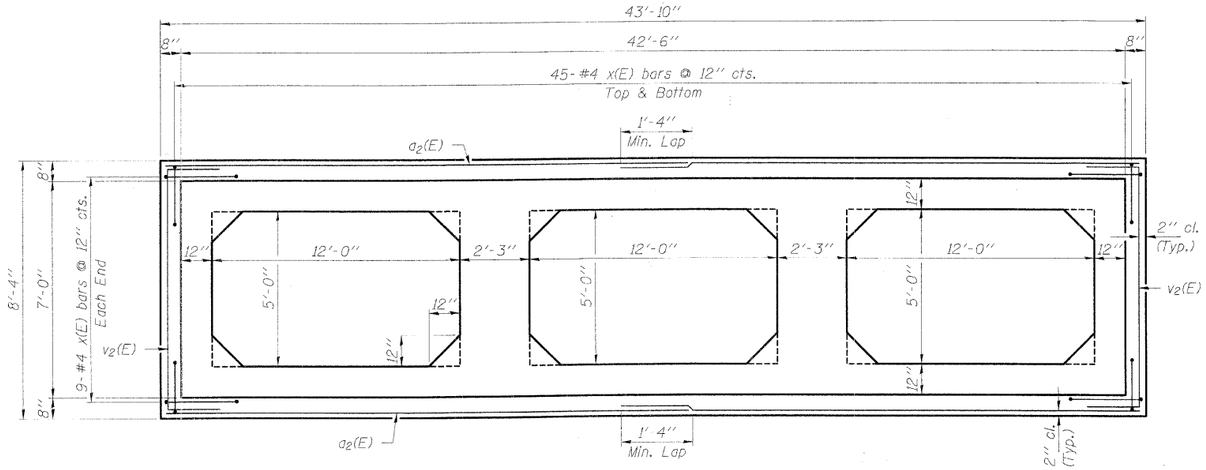
PLAN
Showing Reinforcement
Typical both ends

MIN. BAR LAPS

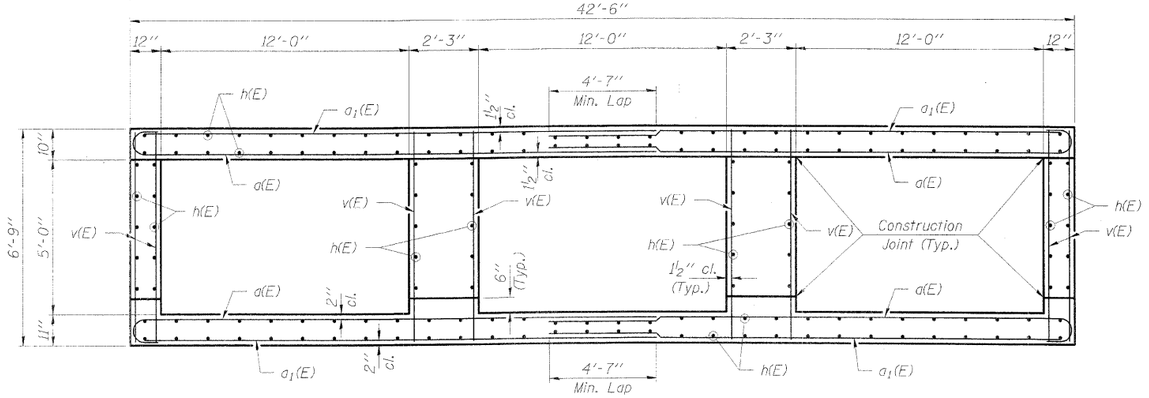
#4 bars	1'-4"
#6 bars	2'-0"
#8 bars	3'-8"
#9 bars	4'-7"



SECTION E-E



SECTION A-A



SECTION B-B

Not to Scale.
See sheet 4 of 9 for Sections C-C & D-D.

HLR

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Account Number 03-03-0167-x
Date: 12/29/05
DESIGNED: S.M.S | CHECKED: S.W.M. | DRAWN: D.B.

PRECAST CULVERT DETAILS

F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD

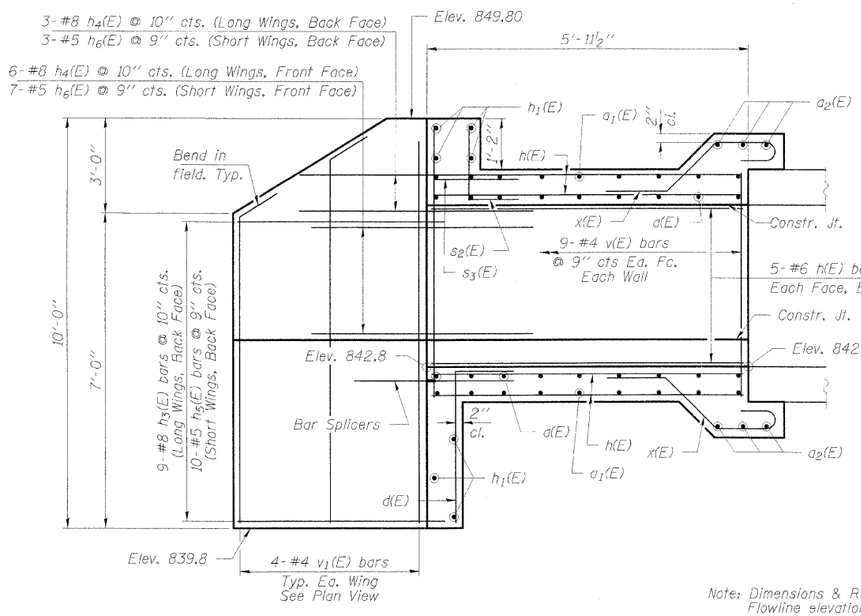
SECTION 05-00160-00-WR

CITY OF DEKALB

STATION 97+50

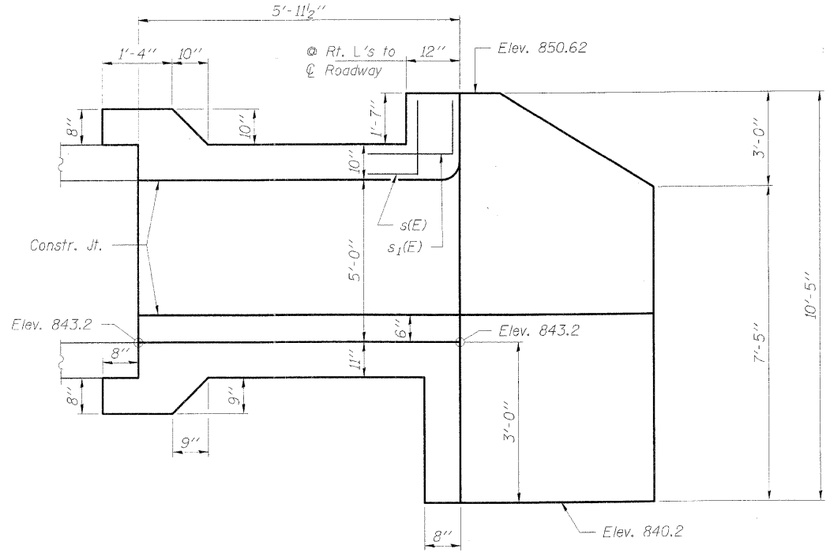
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	78
CULVERT DETAILS				
F.H.W.A. REG. 5	ILLINOIS	PROJECT HPP-2295(001)		

Sheet 4 of 9



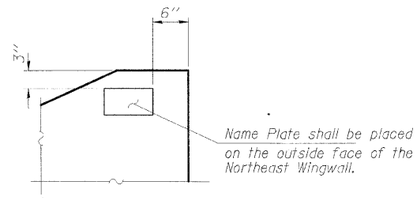
EAST SIDE LONG. SECTION

Downstream End



WEST SIDE LONG. SECTION

Upstream End



NAME PLATE LOCATION

Northeast Wingwall

Note: Dimensions & Reinforcement Typ. Ea. End, except as shown.
Flowline elevations are given at ℄ culvert.

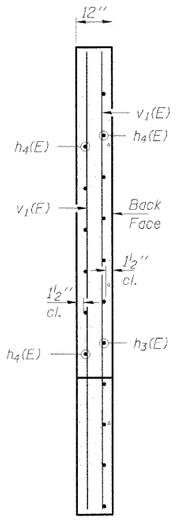
Sections shown parallel with ℄ culverts.

Not To Scale.

BILL OF MATERIAL

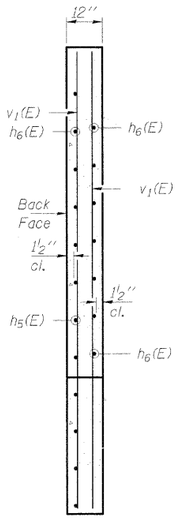
Bar	No.	Size	Length	Shape
a(E)	104	#8	26'-0"	⊂
a1(E)	104	#9	25'-9"	—
a2(E)	24	#4	24'-6"	—
d(E)	82	#4	4'-5"	⌐
h(E)	252	#6	5'-8"	—
h1(E)	36	#6	22'-0"	—
h3(E)	18	#8	15'-6"	⌒
h4(E)	18	#8	8'-0"	⌒
h5(E)	20	#5	11'-6"	⌒
h6(E)	20	#5	8'-0"	⌒
s(E)	47	#5	5'-1"	L
s1(E)	47	#5	4'-7"	L
s2(E)	47	#5	4'-8"	L
s3(E)	47	#5	4'-2"	L
v(E)	144	#4	6'-5"	—
v1(E)	16	#4	9'-8"	—
v2(E)	12	#4	10'-8"	⌴
x(E)	216	#4	5'-2"	⌒
Precast Concrete Box Culvert, 12' x 5'		Foot	306	
Concrete Box Culverts		Cu. Yd.	72.0	
Reinf. Bars, Epoxy Coated		Pound	24,290	
Name Plates		Each	1	
Porous Granular Embankment		Ton	880	
Granular Embankment, Special		Ton	1,870	
Temporary Sheet Piling		Sq. Ft.	2,600	
Slopewall, 6"		Sq. Yd.	44	
Bar Splicers		Each	30	

All reinforcement bars designated (E) shall be epoxy coated.



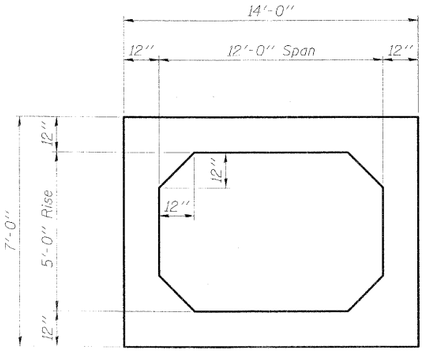
SECTION C-C

(Long Wings)

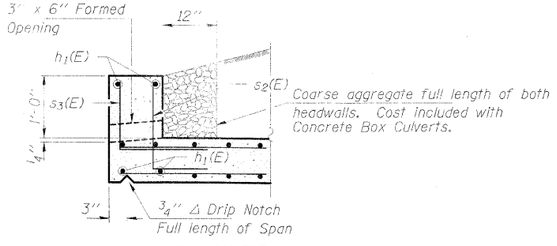


SECTION D-D

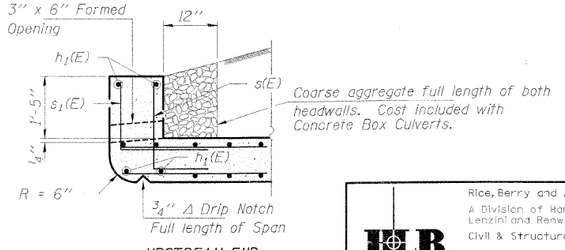
(Short Wings)



SECTION THRU PRECAST BOX



DOWNSTREAM END



UPSTREAM END

SECTION THRU HEADWALLS

Not To Scale

HLR

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3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400

Account Number 03-03-0167-x
Date: 12/29/05
DESIGNED: S.M.S. | CHECKED: S.W.M. | DRAWN: D.B.

PRECAST CULVERT DETAILS

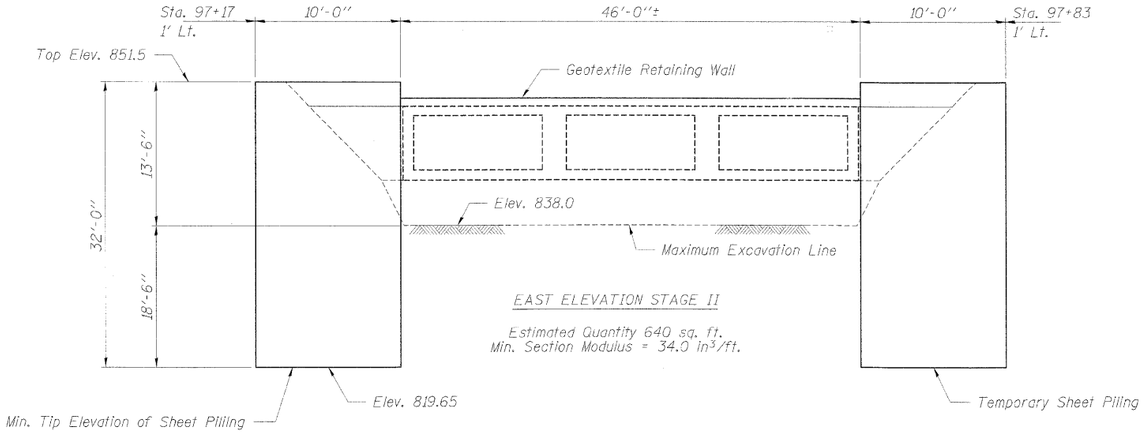
F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD

SECTION 05-00160-00-WR

CITY OF DEKALB

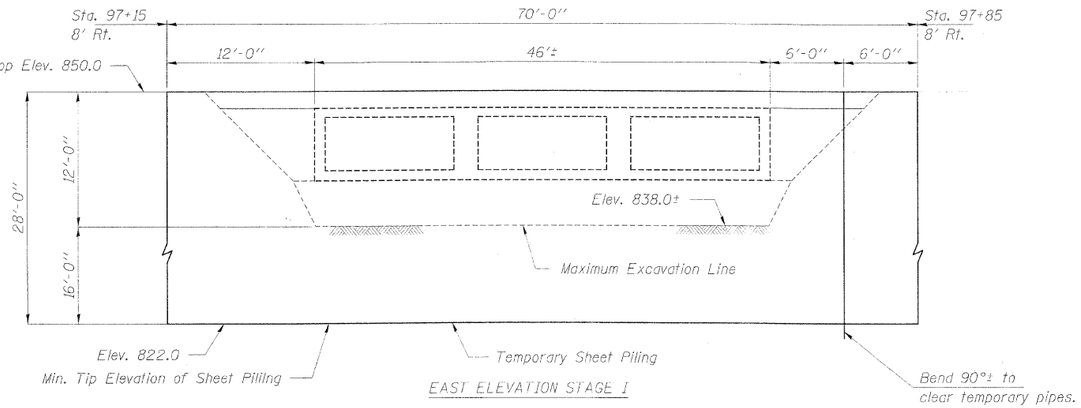
STATION 97+50

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	79
CULVERT DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



EAST ELEVATION STAGE II

Estimated Quantity 640 sq. ft.
Min. Section Modulus = 34.0 $in^3/ft.$

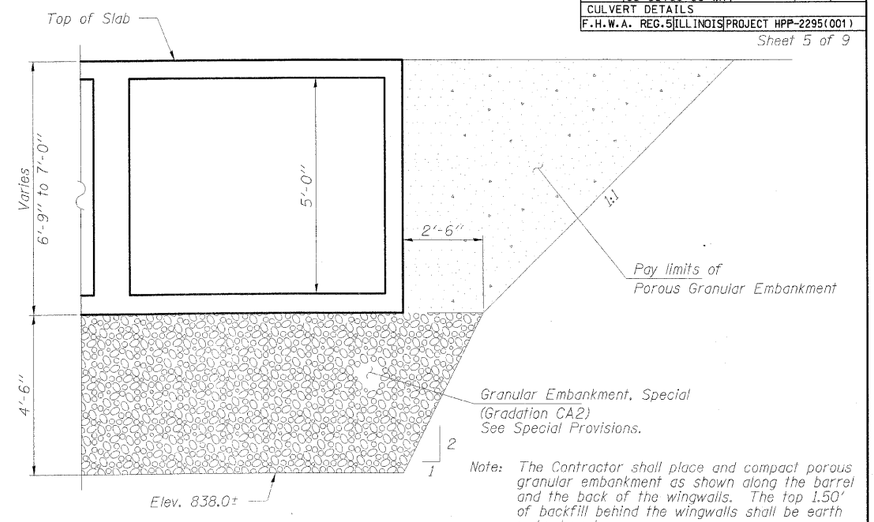


EAST ELEVATION STAGE I

Estimated Quantity 1,960 sq. ft.
Min. Section Modulus = 22.6 in^3

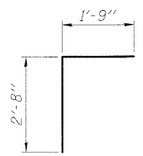
TEMPORARY SHEET PILE DETAILS

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

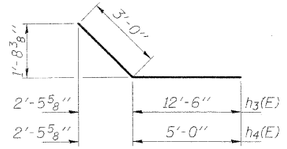


BACKFILL DETAIL

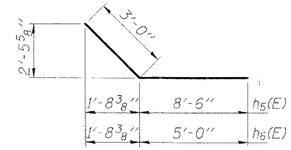
Note: The Contractor shall place and compact porous granular embankment as shown along the barrel and the back of the wingwalls. The top 1.50' of backfill behind the wingwalls shall be earth embankment.



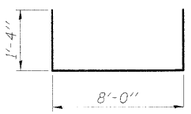
BAR d(E)



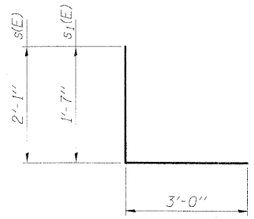
BARS $h_3(E)$ & $h_4(E)$
(Long Wings)



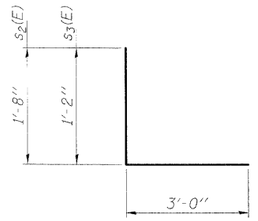
BARS $h_5(E)$ & $h_6(E)$
(Short Wings)



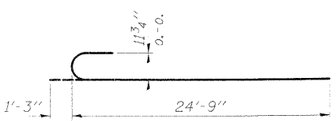
BAR $v_2(E)$



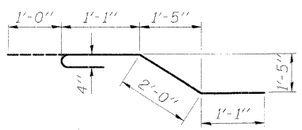
BARS $s(E)$ & $s_1(E)$
(Upstream Headwall)



BARS $s_2(E)$ & $s_3(E)$
(Downstream Headwall)



BAR a(E)



BAR x(E)

GENERAL NOTES

All reinforcement bars shall be epoxy coated.
Exposed edges shall be beveled $\frac{3}{4}$".
Reinforcement Bars shall conform to the requirements of AASHTO M31 or M322, Grade 60.
Bars indicated thus 11x2-#8 etc. indicates 11 lines of bars with 2 lengths per line.
See sheet 9 of 9 for Borings.

HLR
Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400
Account Number 03-03-0167-x
Date: 12/29/05
DESIGNED: S.M.S | CHECKED: S.W.M. | DRAWN: D.B.

CULVERT DETAILS

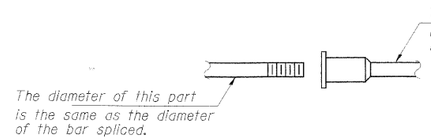
F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD

SECTION 05-00160-00-WR

CITY OF DEKALB

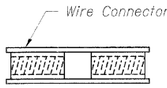
STATION 97+50

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	80
CULVERT DETAILS				
F.H.W.A. REG. 5	ILLINOIS	PROJECT HPP-2295(001)		



ROLLED THREAD DOWEL BAR

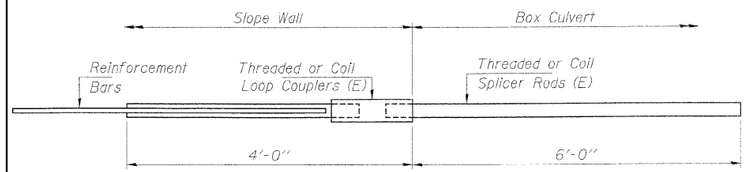
** ONE PIECE



WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

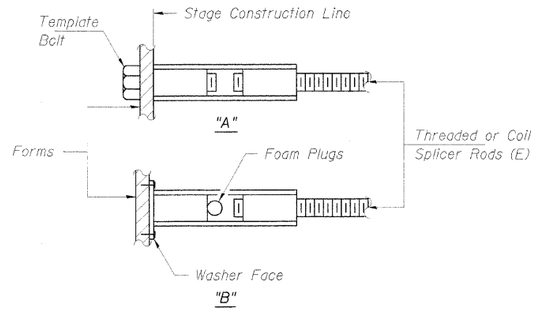


INTEGRAL ABUTMENT BAR SPLICER ASSEMBLY DETAIL FOR #5 BAR

Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required = 30

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

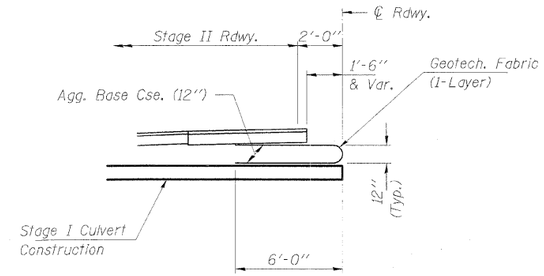
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

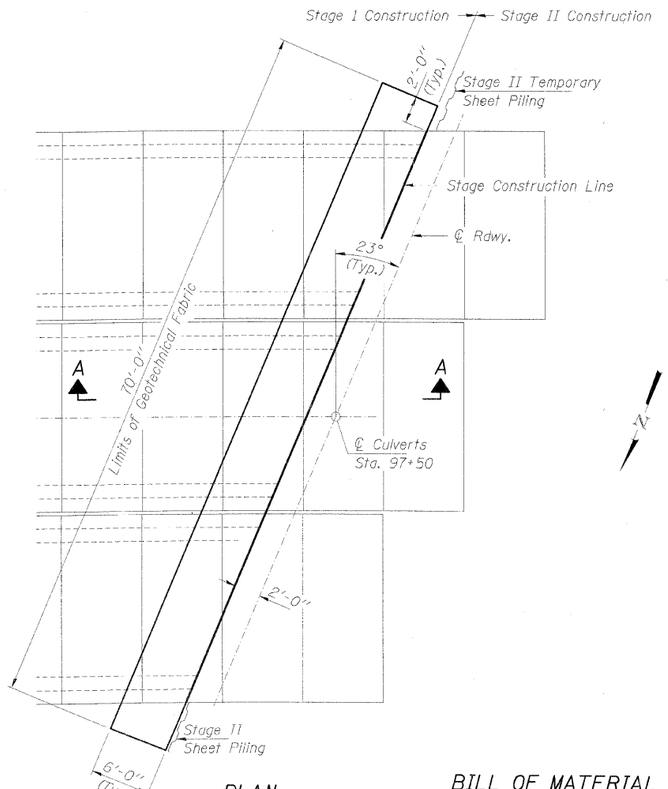
① Minimum Capacity = 1.25 x fy x A_t (Tension in kips)

② Minimum *Pull-out Strength = 1.25 x fs_{allow} x A_t (Tension in kips)

Where fy = Yield strength of lapped reinforcement bars in ksi.
fs_{allow} = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete



SECTION A-A



PLAN

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	96

HLR
Account Number 03-03-0167-x
Date: 12/29/05
DESIGNED: S.M.S. | CHECKED: S.W.M. | DRAWN: D.T.M.

Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400

GEOTEXTILE RETAINING WALL

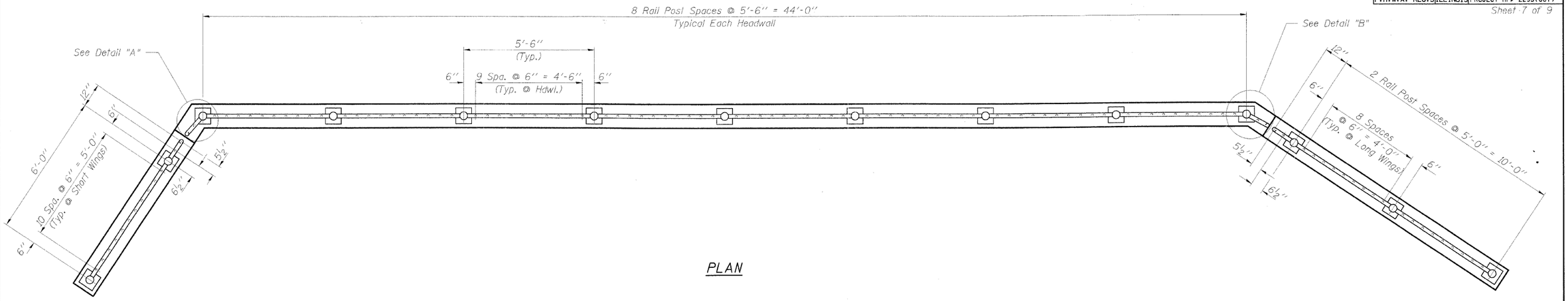
F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD

SECTION 05-00160-00-WR

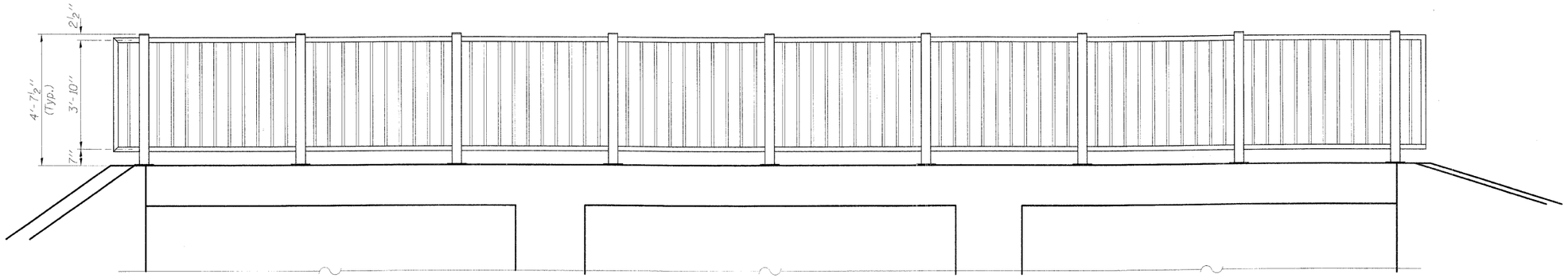
CITY OF DEKALB

STATION 97+50

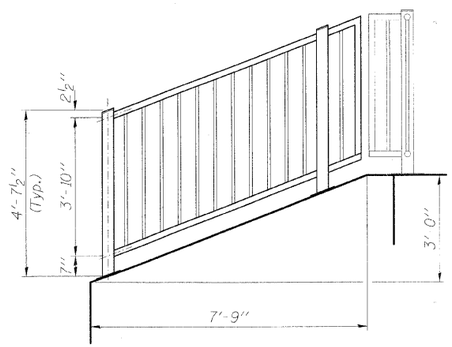
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	81
CULVERT DETAILS				
F.H.W.A. REG. 5	ILLINOIS	PROJECT HPP-2295(001)		



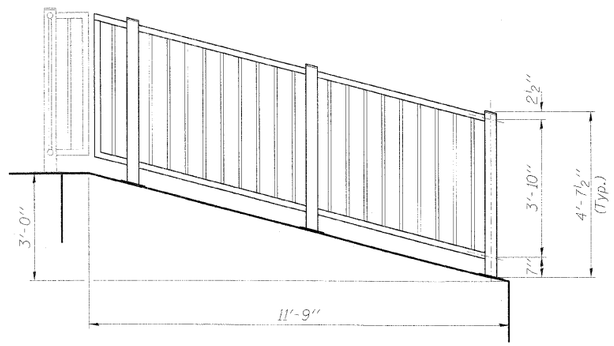
PLAN



ELEVATION

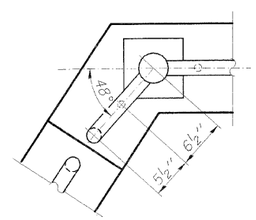


WINGWALL ELEVATION
(Short Wingwall)

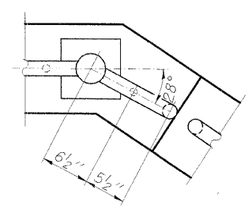


WINGWALL ELEVATION
(Long Wingwall)

Note: All wingwall and headwall elevations shall be field verified before fabrication.



DETAIL A
(Short Wingwall)



DETAIL B
(Long Wingwall)

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing	Foot	128

Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400

Account Number 03-03-0167-x
Date: 12/29/05
DESIGNED: S.M.S. | CHECKED: S.W.M. | DRAWN: D.B.

RAILING DETAILS

F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD

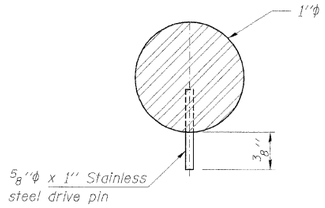
SECTION 05-00160-00-WR

CITY OF DEKALB

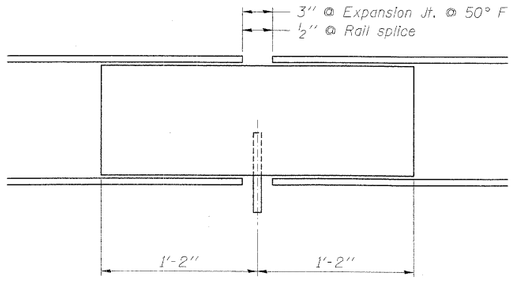
STATION 97+50

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	82
CULVERT DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

Sheet 8 of 9



TOP & BOTTOM RAIL SPLICE BAR



RAIL SPLICE

NOTES

All Posts shall be vertical.

All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 foot, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts.

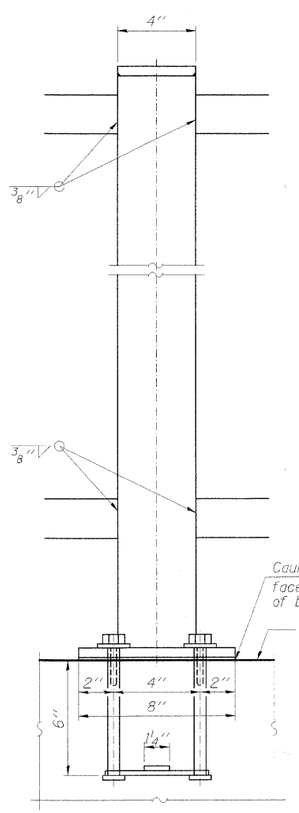
All joints in rail shall be spliced per detail.

Provide 1-1/8" and 2-1/16" Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade. High spots will be ground and low spots shimmed.

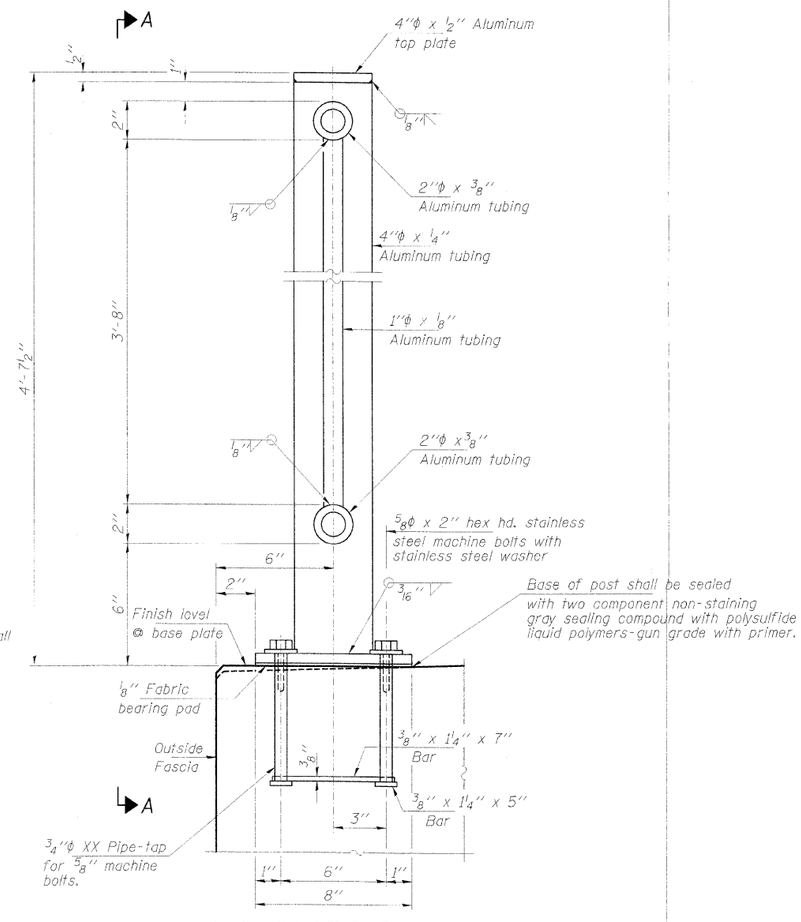
Railing shall be in accordance with Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for ALUMINUM RAILING.

Aluminum alloy rail shall conform to ASTM B221 alloy 6061-T6 or 6351-T5 with min. yield 35,000 psi, min. tensile 38,000 psi, and elongation of 10% in 2".

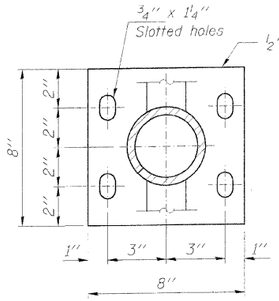
Drilled and grouted anchor bolts may be substituted for the rail anchorage assembly. The anchor bolts shall be approved by the engineer.



VIEW A-A



SECTION AT RAIL POST



BASE PLATE

Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400

Account Number 03-03-0167-x

Date: 12/29/05

DESIGNED: S.W.S | CHECKED: S.W.M. | DRAWN: D.B.

RAILING DETAILS

F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD

SECTION 05-00160-00-WR

CITY OF DEKALB

STATION 97+50

F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87390 STATE SECTION 05-00160-00-WR	DEKALB	140	83
SOIL FOUNDATION BORING LOGS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

Professional Service Industries, Inc.

PSI File #042-25028

FOUNDATION BORING LOG

ECT Annie Glidden Road — Boring Drilled on Pavement — Date 3-27-03
E — Shoulder — Bored By PSI
STA. 97 +56 — Checked By Tim Dunne

ITY DeKalb
Boring No. SB-1
Station 97+50
Offset 15' KIC

Surface Water El. -11'
Groundwater El. at Completion -37.5'
After Hours 0

Elevation	Blows	Qu t/s.f.	w(%)
Surface 849.50			
halt 2" Stone Subbase 6"			
m Brown, Black and Gray ty Clay Fill	2 2 4	0.74	20
846.40			
m Black Organic Silty Loam	2 5 7	0.56	26
-5			
843.40			
m Dark Gray Silty Loam	3 3 3	0.88	21
840.90			
t Gray-Green Silty Clay	2 2 2	0.26	21
-10			
838.40			
ose Medium Dense Brown Sandy avel	5 7 9		13
	4 5 7		10
-15			
833.40			
ose to Medium Dense Brown Sand th Gravel	6 9 12		9
	5 6 9		11
-20			
	5 7 8		11
824.40			
Stiff to Very Stiff Reddish-Gray Clay	3 5 7	1.91	11
-25			
	4 4 6	2.19	10
	3 7 8	2.24	11
-30			
	3 6 8	1.96	
	4 7 12	1.44	10
-35			
	5 9 10	1.26	
	6 9 11	1.35	12
809.40 -40			
Depth of Boring 40.0' Water Observed @ -11' During Drilling and Measured @ -37.5' Upon Removal of Augers			
-45			

BORING 1

Professional Service Industries, Inc.

PSI File #042-25028

FOUNDATION BORING LOG

ECT Annie Glidden Road — Boring Drilled on Pavement — Date 3-27-03
E — Shoulder — Bored By PSI
STA. 98+75 — Checked By Tim Dunne

ITY DeKalb
Boring No. SB-2
Station 98+25
Offset 15' ROC

Surface Water El. -11'
Groundwater El. at Completion -36.5'
After Hours 0

Elevation	Blows	Qu t/s.f.	w(%)
Surface 849.40			
phalt 1-1/2", Stone Subbase 5"			
ft to Firm Black Organic lty Loam	2 3 3	0.5	28
	2 3 4	0.5	27
-5			
841.90			
ft Gray-Green Silty Clay	2 2 2	0.25	23
	2 1 2	0.23	23
-10			
838.40			
ose to Medium Dense Brown and with Gravel	6 7 7		11
	5 8 8		10
-15			
	6 8 10		9
	7 7 9		12
-20			
	6 8 10		11
825.90			
Stiff to Very Stiff Reddish-Brown Silty Clay	4 4 8	2.06	12
-25			
	4 6 7	2.38	13
	4 8 8	2.24	13
-30			
	3 7 9	1.82	11
	5 7 11	1.96	14
-35			
	6 6 11	1.40	13
	7 8 12	1.35	11
809.40 -40			
Depth of Boring 40.0' Water Observed @ -11' During Drilling and Measured @ 36.5' Upon Removal of Augers			
-45			

BORING 2

Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400

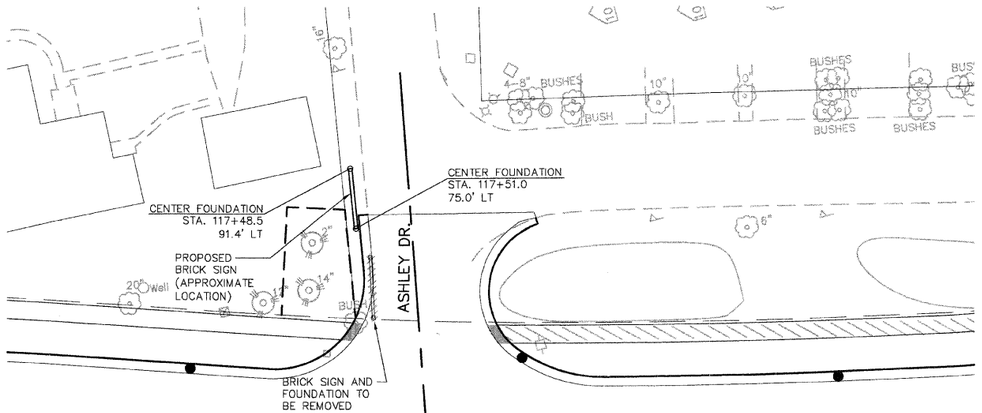
Account Number 03-03-0167-x
Date: 12/29/05
DESIGNED: S.M.S | CHECKED: S.W.M. | DRAWN: D.T.M.

SOIL FOUNDATION BORING LOGS

F.A.U. ROUTE 5348 / ANNIE GLIDDEN ROAD
SECTION 05-00160-00-WR
CITY OF DEKALB
STATION 97+50

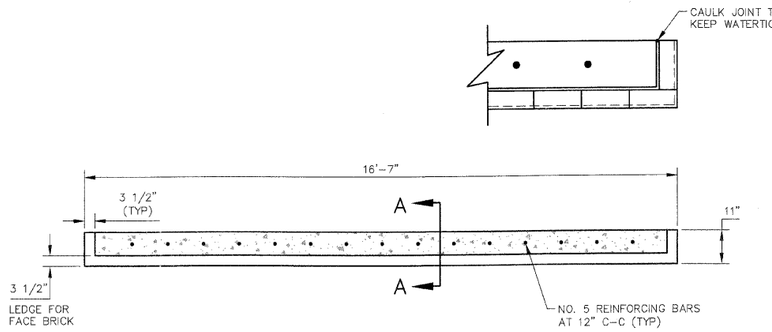
D:\LD 2004\03030167\DWG\DETAILS BRICK SIGN.DWG
January 04, 2006 2:13:15 p.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	84
BRICK SIGN DETAIL				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

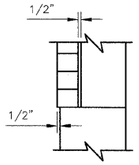


SIGN LOCATION PLAN

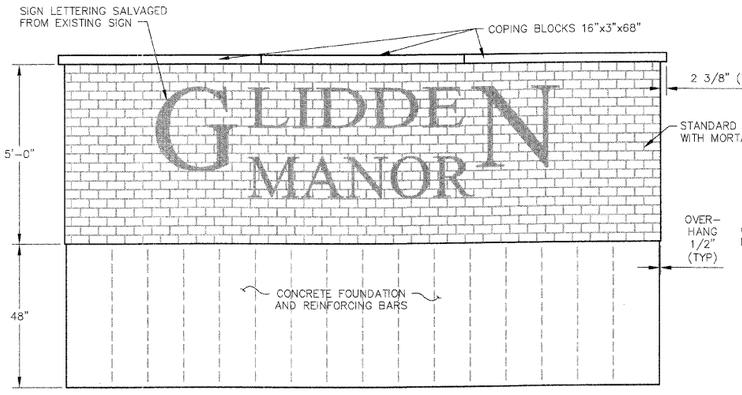
SCALE 1" = 20'



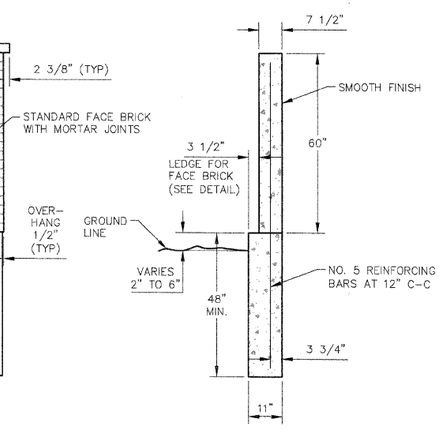
FOUNDATION PLAN VIEW



FACE BRICK & LEDGE DETAIL



SIGN FACE ELEVATION VIEW

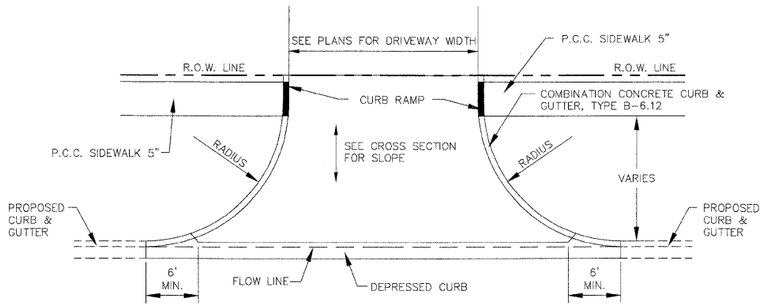


FOUNDATION SECTION A-A

NOTES:

1. PRIOR TO REMOVAL OF EXISTING SIGN, SALVAGE EXISTING SIGN LETTERING "GLIDDEN MANOR" FOR USE ON PROPOSED BRICK SIGN.
2. BRICKS FOR THE PROPOSED SIGN SHALL MEET THE FOLLOWING REQUIREMENTS:
   STANDARD FACE BRICK
   ASTM C216 FOR GRADE SW
   MATCH COLOR AND TEXTURE OF EXISTING BRICK SIGN
3. CONCRETE FOUNDATION SHALL BE CLASS SI CONCRETE.
4. GALVANIZED BRICK ANCHOR WALL TIES SHALL BE SPACED AT 16" ON CENTER BOTH HORIZONTALLY AND VERTICALLY.
5. PROVIDE WEEP HOLES AT 24" ON CENTER AT BOTTOM BRICK COURSE.
6. PROVIDE 1/2 INCH AIR GAP BETWEEN BACK OF BRICK AND CONCRETE WALL.
7. CAULK VERTICAL JOINTS AT BACK OF SIGN BETWEEN FACE OF BRICK AND CONCRETE WALL TO KEEP WATERTIGHT.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	85
SPECIAL DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



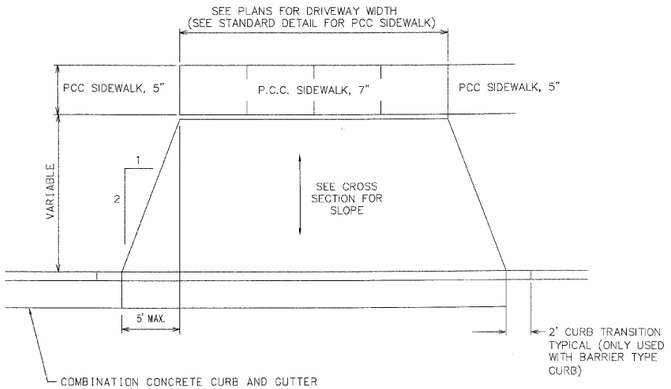
COMMERCIAL DRIVEWAY

(N.T.S.)

BITUMINOUS DRIVEWAY PAVEMENT, SUPERPAVE
7" AGGREGATE BASE COURSE, TYPE B
3" BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "C", N50

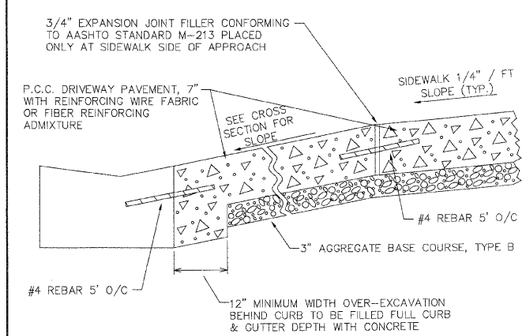
OR

PCC DRIVEWAY PAVEMENT
3" AGGREGATE BASE COURSE, TYPE B
7" PCC DRIVEWAY PAVEMENT WITH REINFORCING WIRE OR FIBER REINFORCING ADMIXTURE
(SEE DETAIL FOR PCC DRIVEWAY ADJACENT TO CONCRETE CURB AND GUTTER)



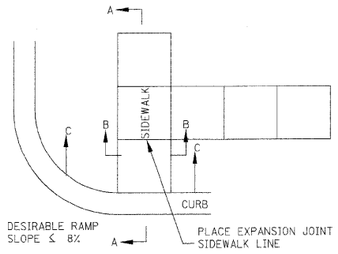
RESIDENTIAL DRIVEWAY

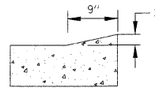
(N.T.S.)



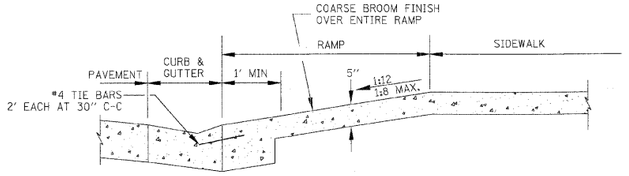
PCC DRIVEWAY ADJACENT TO CONCRETE CURB AND GUTTER AND SIDEWALK

STANDARD DETAIL FOR CURB RAMPS

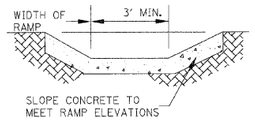




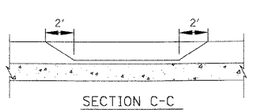
DETAIL OF DEPRESSED CURB *



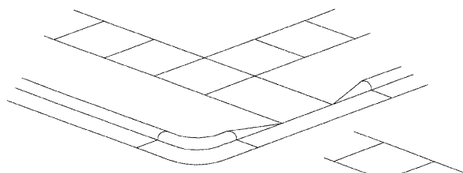
SECTION A-A



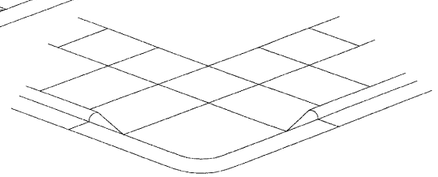
SECTION B-B



SECTION C-C



TYPE 1



TYPE 2

NOTES: CURB CUT RAMPS ARE TO BE LOCATED IN LINE WITH ALL CROSS WALKS OR AS DIRECTED BY THE ENGINEER

FINAL SURFACE TEXTURE OF THE RAMP SHALL BE THAT OBTAINED PLACING DETECTABLE WARNING TILES WITH RAISED TRUNCATED DOMES IN THE FINISHED CONCRETE.

CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND SHORT GRADE CHANGES

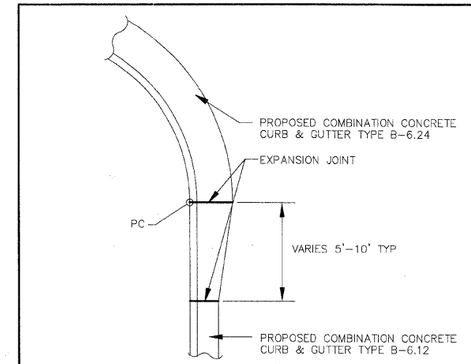
IF POSSIBLE, DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS, EXCEPT WHERE EXISTING DRAINAGE STRUCTURES ARE BEING UTILIZED IN THE NEW CONSTRUCTION. LOCATION OF THE RAMP SHOULD TAKE PRECEDENCE OVER LOCATION OF THE DRAINAGE STRUCTURE.

THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.

CROSSWALK AND STOP LINE MARKINGS, IF USED, SHALL BE SO LOCATED AS TO STOP TRAFFIC SHORT OF RAMP CROSSING.

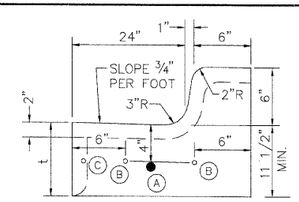
* DEPRESSED CURB IS NOT STANDARD. THE RISE IS 1/2" INSTEAD OF 1-1/2".

THE COST OF CONSTRUCTION OF CURB CUT RAMPS, INCLUDING DEPRESSED CURB, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR P.C.C. SIDEWALK AND COMBINATION CONCRETE CURB AND GUTTER OF THE TYPE SPECIFIED. DETECTABLE WARNINGS WILL BE PAID FOR SEPARATELY.



CURB AND GUTTER TRANSITION DETAIL

(N.T.S.)



(A) 1 1/4" SMOOTH DOWEL AT EXPANSION JOINTS

(B) TWO #4 REINFORCEMENT BARS, 10' IN LENGTH, CENTERED OVER TRENCH OR CONTINUOUS IF CURB IS WITHIN 3' OF TRENCH.

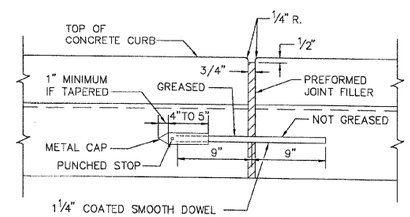
(C) ONE #4 REINFORCEMENT BAR, 6' IN LENGTH, AT LOCATIONS OF FRAME AND GRATE, SPECIAL

DEPTH OF SAWED CONTRACTION JOINT = 2"

SEE PROPOSED TYPICAL SECTIONS FOR PAVEMENT AND GUTTER THICKNESS "t"

CONTRACTION JOINTS SHALL BE 10' C/C

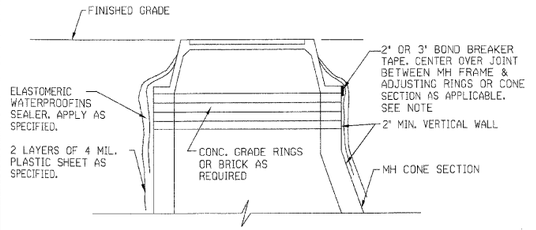
SAWED CONTRACTION JOINT DETAIL



CURB EXPANSION JOINT DETAIL

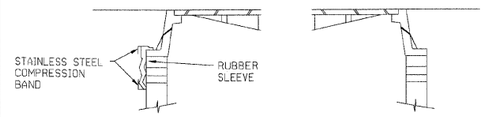
D:\LD 2004\03030167\DWG\DETAILS-SPECIAL.DWG
January 04, 2006 2:14:39 p.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	86
SPECIAL DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



NOTE: THE BOND BREAKER TAPE IS TO PREVENT THE SEALER FROM BONDINGS TO THE EDGE OF THE FLANGE OF THE MH FRAME AND THE UPPER 1-1/2 INCHES OF ADJUSTING RING OR CONE. IF THE EDGE OF FLANGE IS NOT FLUSH WITH ADJUSTING RING OR CONE, APPLY ADDITIONAL TAPE AS REQUIRED TO PREVENT SUCH BONDING.

ELASTOMERIC FRAME/CHIMNEY SEAL



EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

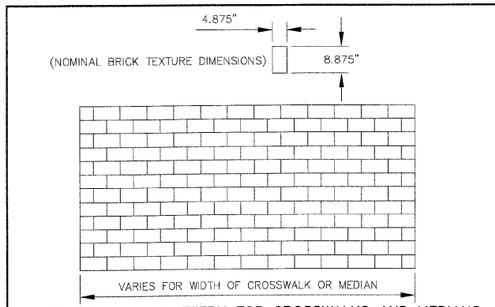
EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

SANITARY MANHOLE FLEXIBLE WATERTIGHT FRAME/CHIMNEY SEALS

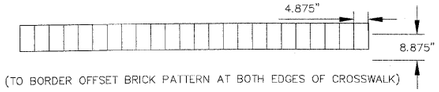
NO SCALE

DEKALB SANITARY DISTRICT

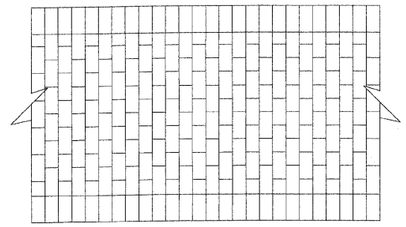
1/2



OFFSET BRICK PATTERN FOR CROSSWALKS AND MEDIANS

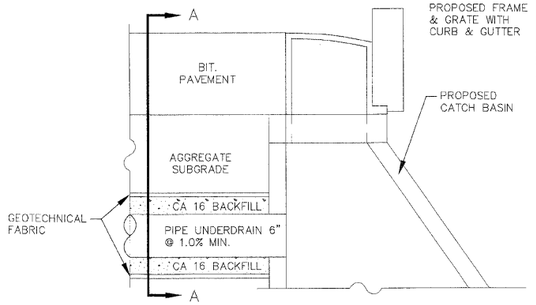


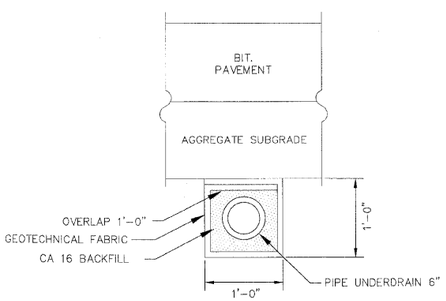
STACKED BRICK BORDER FOR CROSSWALKS



TYPICAL CROSSWALK

PAVEMENT TEXTURING – DETAIL

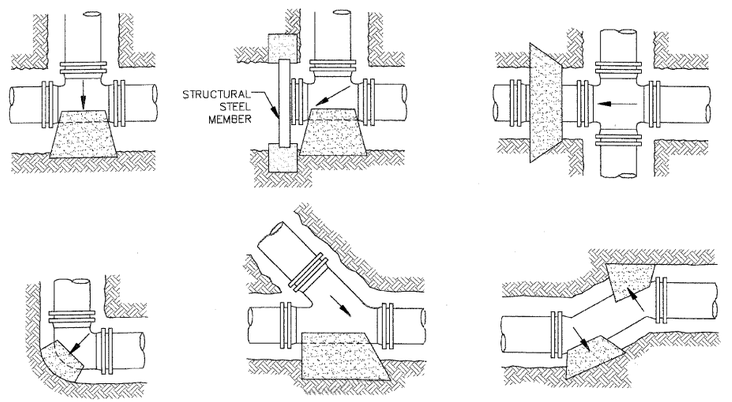




SECTION A-A

PIPE UNDERDRAIN, 6" DETAIL

(N.T.S.)



BEARING AREA IN SQ. FT. [SQ. METERS]					
PIPE SIZE	TEE/PLUG	90°	45°	22 1/2°	11 1/4°
6"	4"	2"	1"	1"	1"
8"	6"	4"	3"	1"	1"
10"	7"	5"	3"	2"	1"
12"	8"	6"	4"	3"	2"
14"	12"	9"	6"	4"	3"
16"	15"	12"	7"	5"	3"
18"	18"	15"	9"	5"	4"
24"	40"	30"	15"	10"	5"

ALL BLOCKING SHALL BE POURED CONCRETE AGAINST UNDISTURBED EARTH.

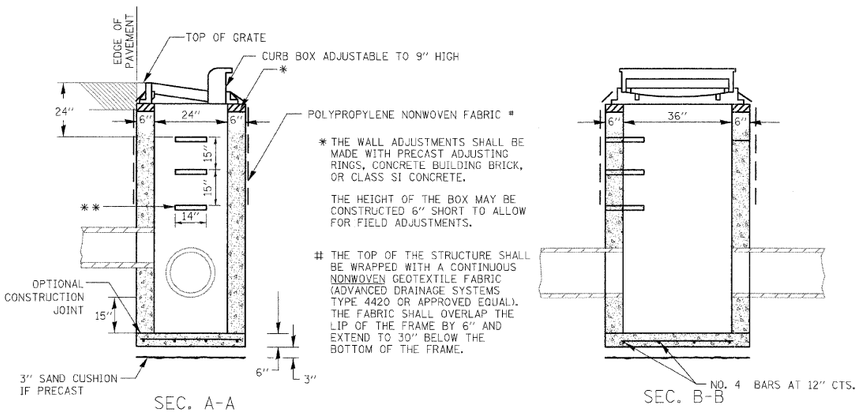
ALL BENDS OR ELBOWS GREATER THAN 11-1/4° SHALL HAVE THRUST BLOCKING

ALTERNATIVELY, "MEGA-LUG" JOINT RESTRAINTS CAN BE USED WITH APPROVAL OF THE ENGINEER.

THRUST BLOCK INSTALLATION

(N.T.S.)

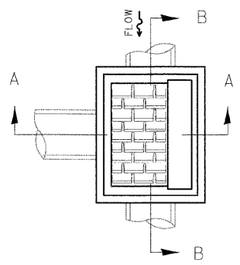
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	87
SPECIAL DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	



* THE WALL ADJUSTMENTS SHALL BE MADE WITH PRECAST ADJUSTING RINGS, CONCRETE BUILDING BRICK, OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

\# THE TOP OF THE STRUCTURE SHALL BE WRAPPED WITH A CONTINUOUS NONWOVEN GEOTEXTILE FABRIC (ADVANCED DRAINAGE SYSTEMS TYPE 4420 OR APPROVED EQUAL). THE FABRIC SHALL OVERLAP THE LIP OF THE FRAME BY 6" AND EXTEND TO 30" BELOW THE BOTTOM OF THE FRAME.



NOTES

** STEPS SHALL BE OMITTED WHEN THE STRUCTURE DEPTH IS LESS THAN 5'. SEE STANDARD 602701 FOR DETAILS OF STEPS.

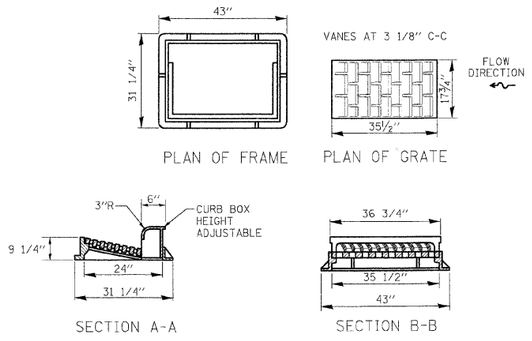
EXCEPT AS NOTED HEREON CATCH BASINS, SPECIAL, SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.

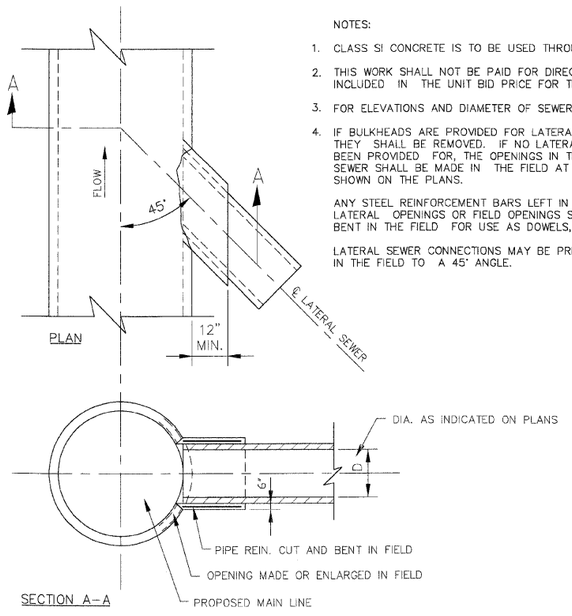
CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 504.01 THRU 504.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 27.5 MPa (4,000 psi) AFTER 28 DAYS.

ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.

DETAIL OF FRAME & GRATE, SPECIAL



CATCH BASINS, SPECIAL WITH FRAME & GRATE, SPECIAL – DETAIL
NOT TO SCALE



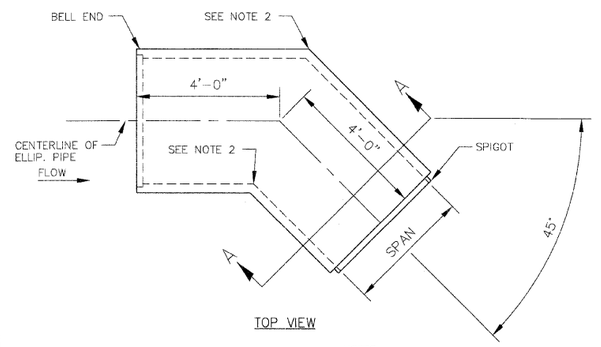
NOTES:

1. CLASS SI CONCRETE IS TO BE USED THROUGHOUT.
2. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT IS TO BE INCLUDED IN THE UNIT BID PRICE FOR THE VARIOUS SEWERS.
3. FOR ELEVATIONS AND DIAMETER OF SEWERS SEE PLANS.
4. IF BULKHEADS ARE PROVIDED FOR LATERAL SEWER OPENINGS, THEY SHALL BE REMOVED. IF NO LATERAL OPENINGS HAVE BEEN PROVIDED FOR, THE OPENINGS IN THE MAINLINE SEWER SHALL BE MADE IN THE FIELD AT THE LOCATIONS SHOWN ON THE PLANS.

   ANY STEEL REINFORCEMENT BARS LEFT IN PLACE AT THESE LATERAL OPENINGS OR FIELD OPENINGS SHALL BE CUT AND BENT IN THE FIELD FOR USE AS DOWELS, AS SHOWN.

   LATERAL SEWER CONNECTIONS MAY BE PRECAST OR CUT IN THE FIELD TO A 45° ANGLE.

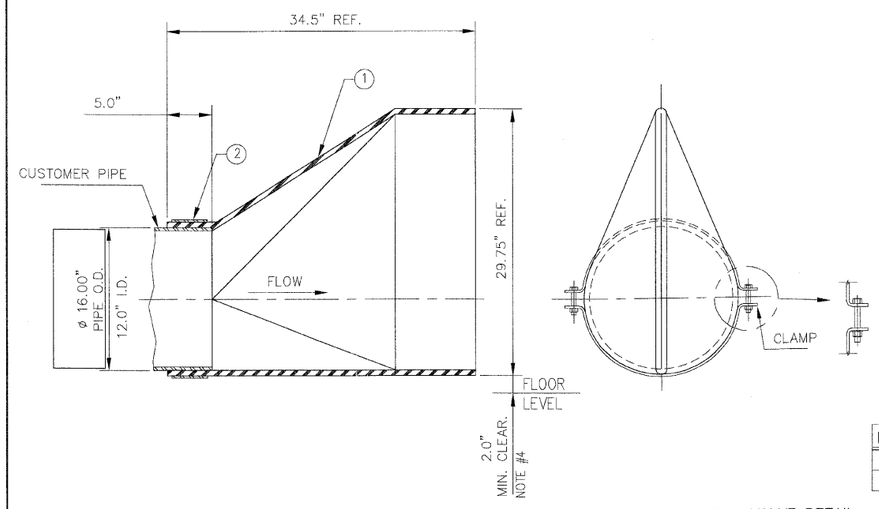
45° LATERAL FIELD JOINT DETAIL
NOT TO SCALE



NOTES:

1. HORIZONTAL ELLIPTICAL CONCRETE PIPE TO BE MANUFACTURED IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE ELLIPTICAL CULVERT, STORM DRAIN AND SEWER PIPE WITH MASTIC JOINTS PER THE CLASS SHOWN ON THE PLANS.
2. "PIPE BEND FABRICATION" – #4 REBAR @ 6" CENTERS TO BE WELDED BETWEEN WIRE REINFORCING IN BOTH LEGS OF BEND. CONNECTION AREA TO BE REMORTARED TO MATCH I.D. & O.D. OF PIPE.
3. SEE PLAN FOR RISE AND SPAN OF ELLIPTICAL PIPE.

HORIZONTAL ELLIPTICAL PIPE BEND DETAIL
NOT TO SCALE



NOTES:

1. MAXIMUM BACK PRESSURE: 5 FT.
   LINE PRESSURE: 5 FT.
2. CHECK VALVE IS TO BE MOUNTED WITH THE OUTLET IN THE VERTICAL POSITION
3. CHECK VALVE TO FIT ON A 12.0" I.D. PIPE
4. BECAUSE OF SAND, ROCK AND OTHER DEBRIS ACCUMULATION BY BACKFLOW OF WATER THE SUGGESTED BOTTOM CLEARANCE SHALL BE PROVIDED
5. SLIP-ON CHECK VALVE SHALL BE TIDEFLEX TECHNOLOGIES MODEL TF-1 OR APPROVED EQUAL. THIS DETAIL PROVIDED BY TIDEFLEX, 300 BILMAR DR., PITTSBURGH, PA 15205.
6. SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

ITEM	QTY.	DESCRIPTION	MATERIAL
①	1	SLIP-ON CHECK VALVE	NEOPRENE/NEOPRENE COVER
②	1	MOUNTING CLAMP	316 S/STEEL

SLIP-ON FLAT BOTTOM CHECK VALVE DETAIL
NOT TO SCALE

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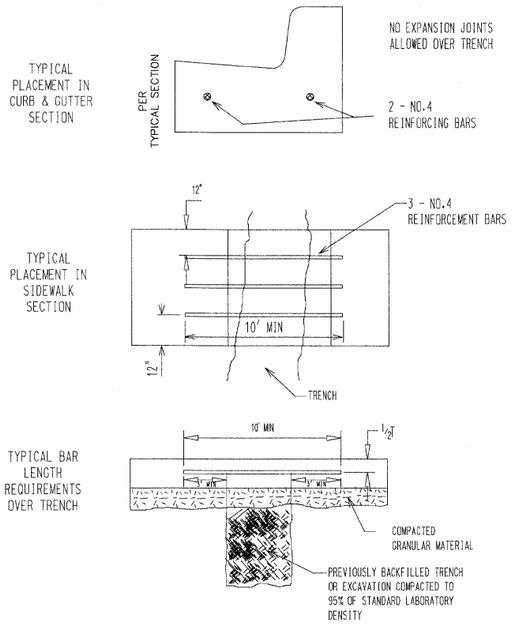
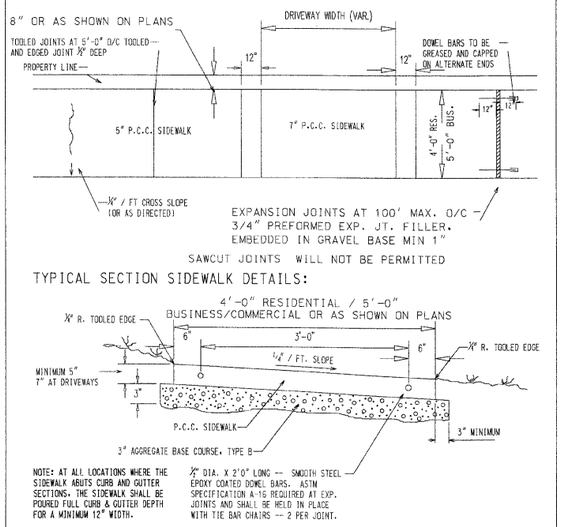
January 04, 2006 2:17:24 p.m.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	88
SPECIAL DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-0205(001)		

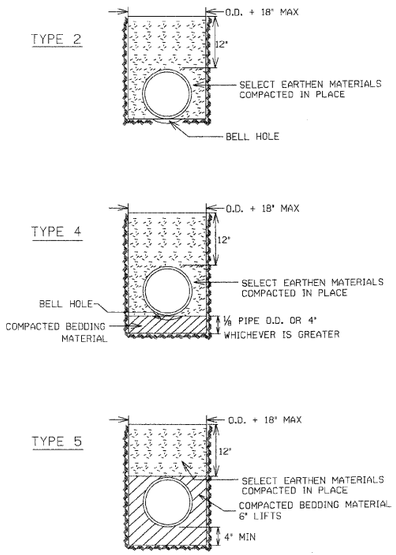


STANDARD DETAIL FOR REINFORCING CURB & GUTTER OR SIDEWALK INSTALLED OVER A TRENCH	REVISIONS 01/03/01 CEW	CITY OF DEKALB STREET STANDARD ST-103



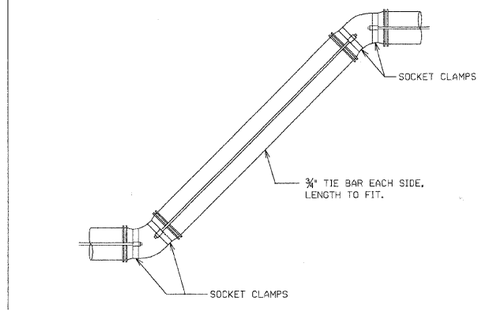
THE CONTRACT UNIT PRICE FOR P.C.C. SIDEWALK 5" AND 7" SHALL INCLUDE THE DOWEL BARS, EXPANSION JOINTS, TOOLED JOINTS AND BASE MATERIAL AS SPECIFIED

STANDARD DETAIL FOR P.C.C. SIDEWALK, 5" & 7"	REVISIONS 03/20/01 MCB	CITY OF DEKALB STREET STANDARD ST-105

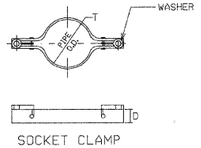


THE COST OF THE PIPE BEDDING SHALL BE INCIDENTAL TO CONSTRUCTION AND INCLUDED IN THE CONTRACT UNIT PRICE PER LINEAL FT. OF THE RESPECTIVE SIZE OF WATER MAIN. BEDDING TO BE USED SHALL BE AS SET FORTH IN THE SPECIAL PROVISIONS.

STANDARD DETAIL FOR WATER MAIN BEDDING	REVISIONS RBR 1/19/03	CITY OF DEKALB WATER MAIN STANDARD WM-300

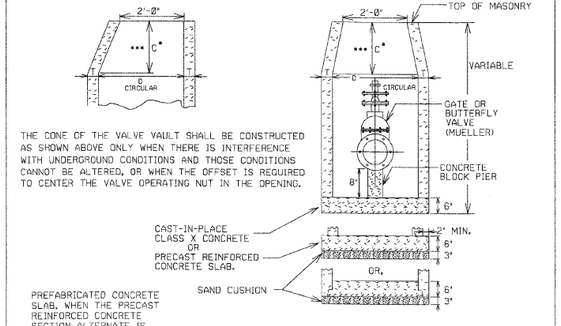


CLAMP SIZE		
PIPE SIZE	T	D
4" TO 12"	½"	2"
16" TO 20"	¾"	4"



ALL COMPONENTS OF THE TIE BARS AND CLAMPS SHALL BE GALVANIZED OR OTHERWISE RUSTPROOFED AS APPROVED BY THE ENGINEER.

STANDARD DETAIL FOR TIE BARS AND CLAMPS	REVISIONS	CITY OF DEKALB WATER MAIN STANDARD WM-302



THE CONE OF THE VALVE VAULT SHALL BE CONSTRUCTED AS SHOWN ABOVE ONLY WHEN THERE IS INTERFERENCE WITH UNDERGROUND CONDITIONS AND THOSE CONDITIONS CANNOT BE ALTERED, OR WHEN THE OFFSET IS REQUIRED TO CENTER THE VALVE OPERATING NUT IN THE OPENING.

PREFABRICATED CONCRETE SLAB, WHEN THE PRECAST REINFORCED CONCRETE SECTION ALTERNATE IS USED, A SUMP HOLE IS REQUIRED FOR ALL ALTERNATIVES.

ALTERNATE MATERIALS FOR WALLS	D	C	T MIN.
CONCRETE MASONRY UNITS	4'-0"	2'-6"	5"
	5'-0"	3'-6"	5"
CAST-IN-PLACE CONCRETE	4'-0"	2'-6"	6"
	5'-0"	3'-9"	6"
PRECAST REINFORCED CONCRETE SECTIONS	4'-0"	2'-6"	4"
	5'-0"	3'-9"	5"

VALVE VAULT SIZING

DIA. OF WATER MAIN	DIA.
6 INCHES AND UNDER	4'-0"
8 INCHES TO 14 INCHES	5'-0"
16 INCHES AND OVER	6'-0"

DIA. OF WATER MAIN FOR WET TAPS	DIA.
8 INCHES AND UNDER	5'-0"
10 INCHES AND OVER	6'-0"

NOTES:

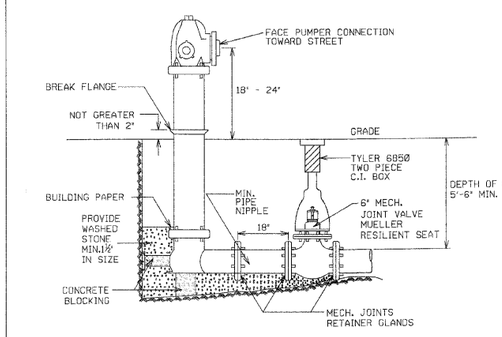
THE VALVE VAULT SHALL BE CONSTRUCTED SO AS TO CENTER THE VALVE OPERATING NUT UNDER THE VAULT OPENING.

* DIMENSION 'C' FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6 INCHES.

*** FOR OPTIONAL PRECAST REINFORCED CONCRETE FLAT TOP SLAB, REFER TO IDOT STANDARD.

WHERE THE WATERMAIN PASSED THROUGH THE VAULT WALL, THE WATERMAIN SHALL BE WRAPPED WITH A DOUBLE THICKNESS OF #15 ROOFING FELT.

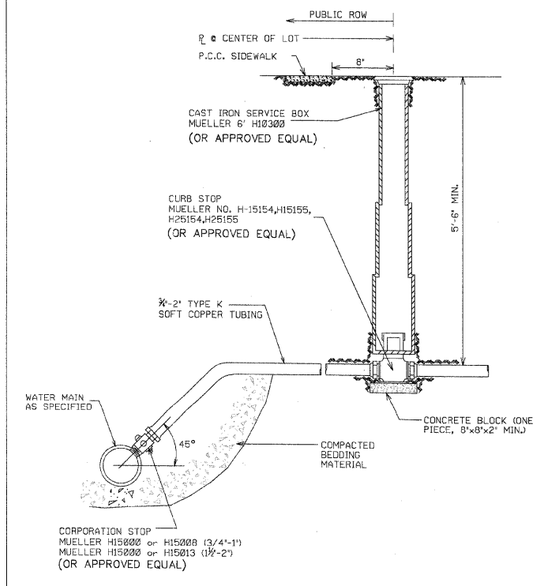
STANDARD DETAIL FOR VALVE VAULTS, TYPE A	REVISIONS RBR 1/15/04	CITY OF DEKALB WATER MAIN STANDARD WM-303



DEKALB HYDRANT UNIT IS A423MUELLER SUPER CENTURION 250 HYDRANT OR WATEROUS WB67-250, 6' TRENCH DEPTH, 6" MJ SHOE, 1½ PENTAGON OPERATING NUT, OPEN LEFT, (1) 4" NST PUMPER NOZZLE, (2) 2½" NST HOSE NOZZLES, PAINTED RED. NO ALTERATIONS ALLOWED

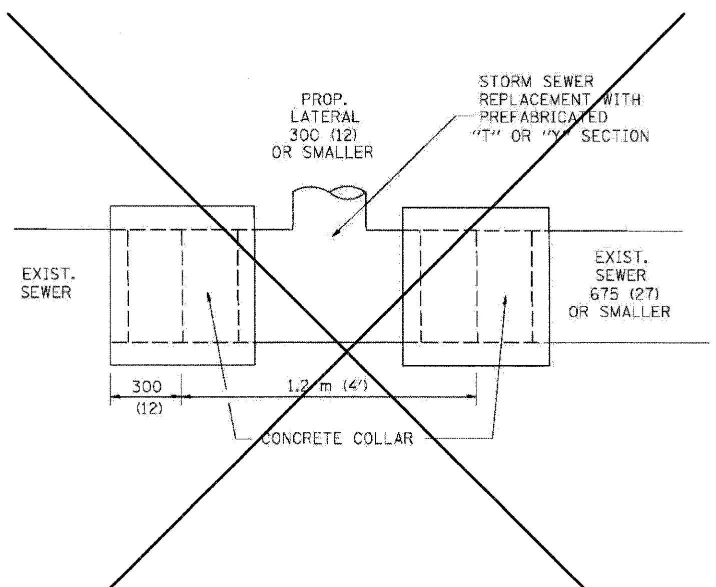
THE CONTRACT UNIT PRICE FOR 'HYDRANTS' SHALL INCLUDE THE AUXILARY VALVE AND VALVE BOX AS SPECIFIED.

STANDARD DETAIL FOR FIRE HYDRANT WITH AUXILIARY VALVE & ADJUSTABLE C.I. BOX (WITH CAST IRON PIPE NIPPLE)	REVISIONS RBR 1/15/04	CITY OF DEKALB WATER MAIN STANDARD WM-309



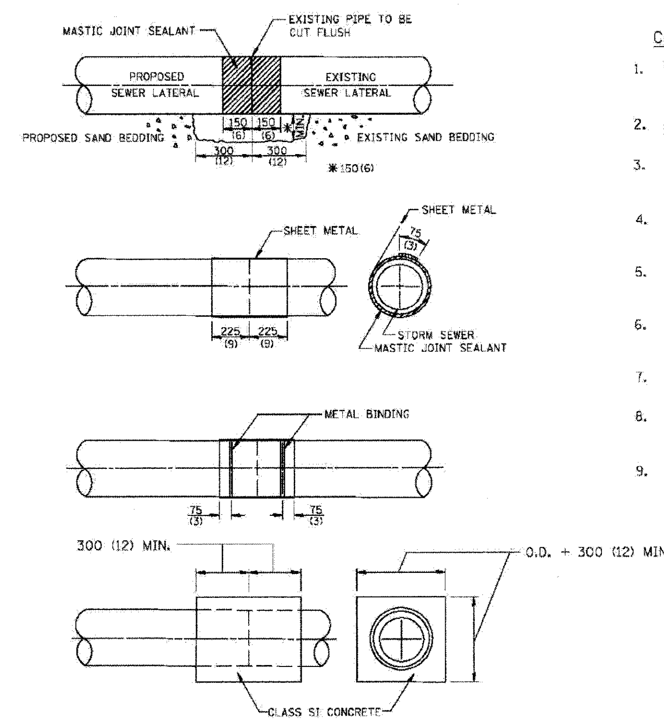
STANDARD DETAIL FOR HOUSE WATER SERVICE	REVISIONS RBR 1/15/04	CITY OF DEKALB WATER MAIN STANDARD WM-310

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 01-00160-00-ES	DEKALB	140	89
SPECIAL DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT WP-2295(001)		



DETAIL "A"

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

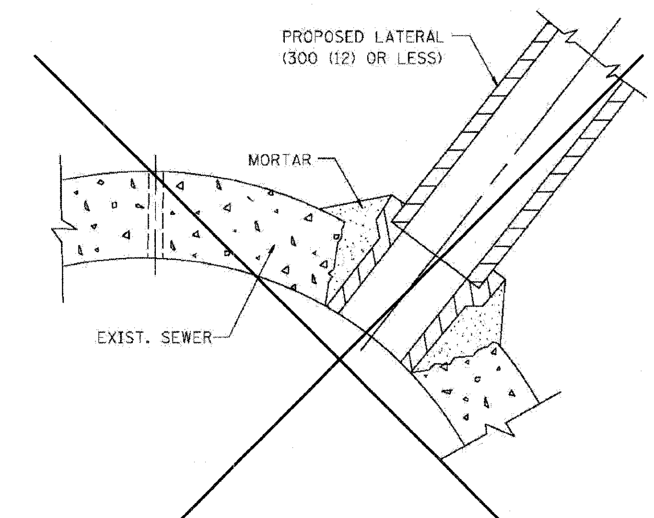


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

I THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

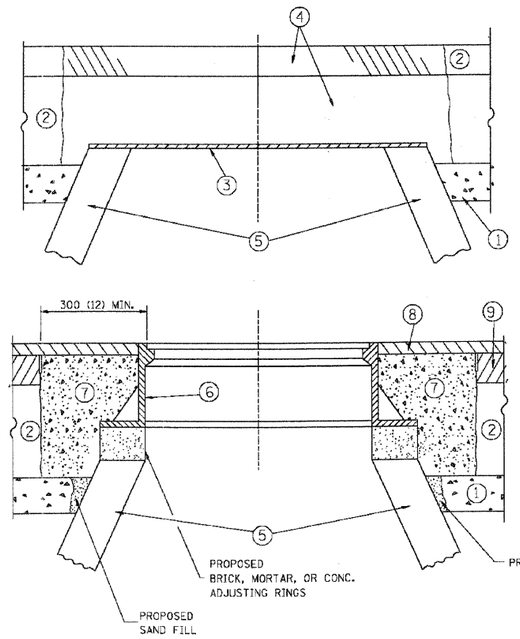
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: NONE
DATE 10/18/2002
DRAWN BY CADD
CHECKED BY

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	90
SPECIAL DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 300 (12) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 900 (36) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 40 (1½) THICK BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE BITUMINOUS MATERIAL AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 900 (36) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND BITUMINOUS MATERIAL
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS SI CONCRETE, BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL
8. PROPOSED BITUMINOUS CONCRETE SURFACE COURSE
9. PROPOSED BITUMINOUS CONCRETE BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

~~CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.~~

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: FRAMES AND LIDS TO BE ADJUSTED, SPECIAL EACH

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT
WITH MILLING

SCALE: NONE
DATE: 05/17/2004

DRAWN BY
CHECKED BY

January 18, 2006 12:53:59 p.m.
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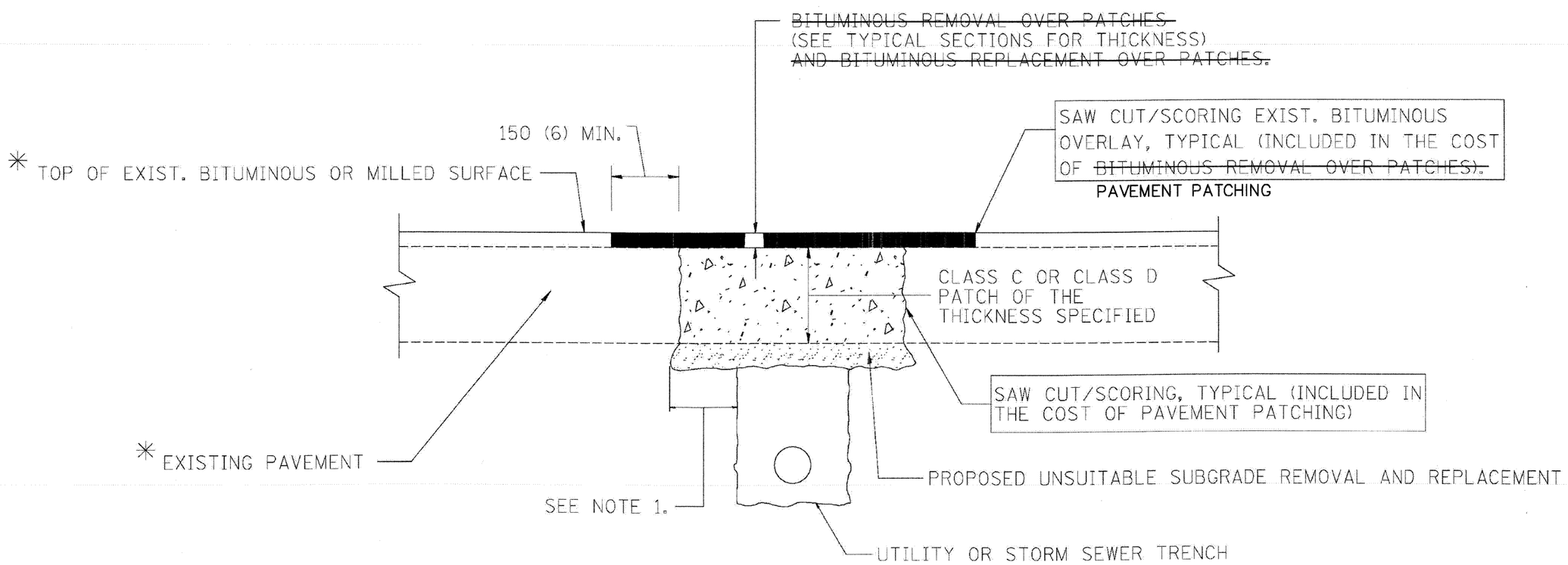
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	91
SPECIAL DETAILS			-	
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 300 (12) WIDER ON EACH SIDE OF THE TRENCH.

2. ~~FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE SPECIAL PROVISION "PATCHING WITH BITUMINOUS OVERLAY REMOVAL".~~

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.

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

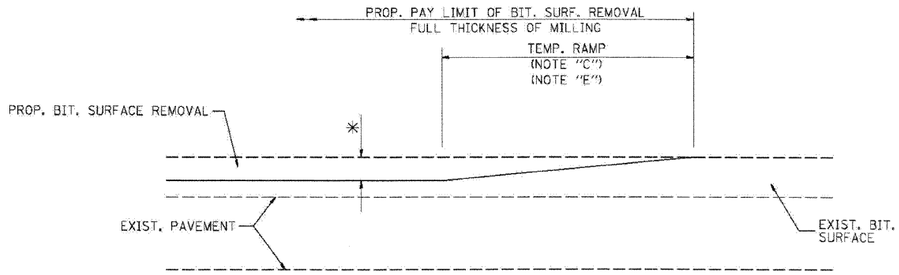
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT

SCALE: NONE
DATE 10/18/2002
DRAWN BY
CHECKED BY

c:\projects\diststd\bd22.dgn LV=35,63
Friday October 18,2002 @ 09:04:15 AM

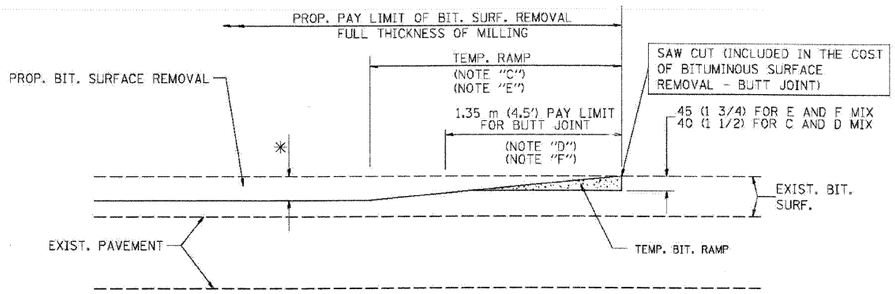
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	92
SPECIAL DETAILS		-		
F.H.W.A. REG.5	ILLINOIS	PROJECT HPR-2295(001)		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

OPTION 1

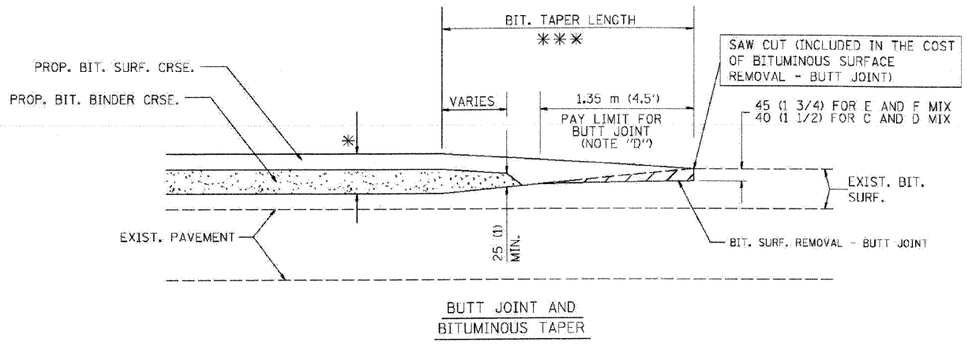


BITUMINOUS CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

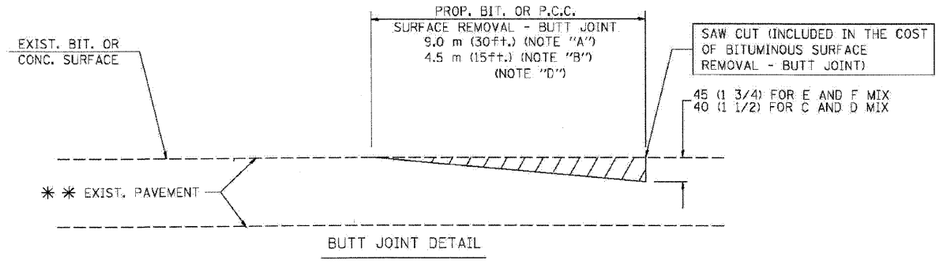
OPTION 2

TYPICAL TEMPORARY RAMP

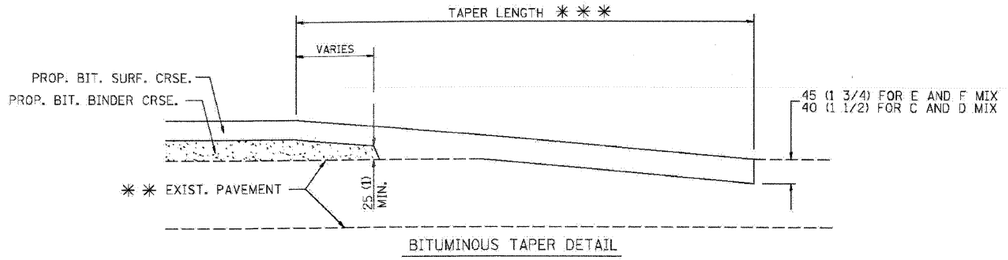


BUTT JOINT AND BITUMINOUS TAPER

TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



BITUMINOUS TAPER DETAIL

TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR RESURFACING ONLY

** PC CONCRETE, BITUMINOUS OR BITUMINOUS RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING BITUMINOUS SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 ft.) PER INCH OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".

G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND BITUMINOUS TAPER DETAILS

SCALE: NONE

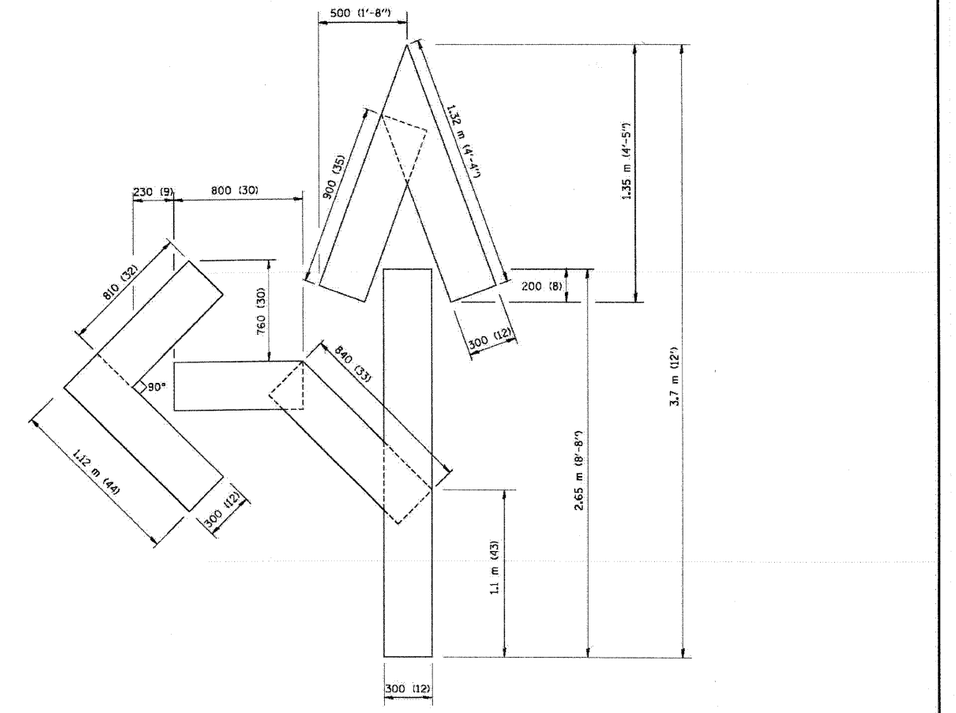
DRAWN BY

DATE PLOTTED:10/18/2002

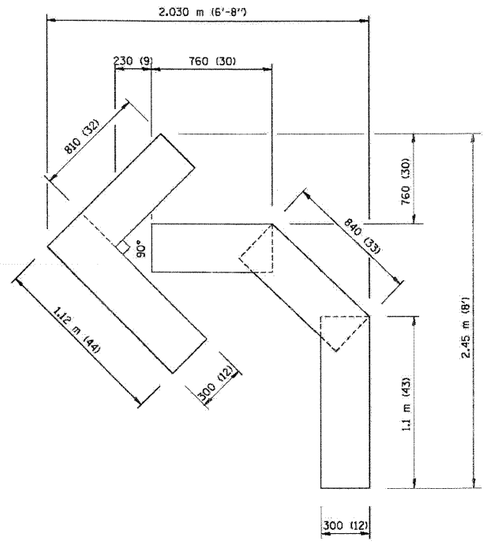
CHECKED BY

DATE:TIME
DGN-SPEC
VI-A032

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	93
SPECIAL DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



QUANTITY
100 (4) LINE = 25.3 m (82.5 ft.)
2.53 sq. m (27.5 sq. ft.)



QUANTITY
100 (4) LINE = 13.9 m (45.5 ft.)
1.39 sq. m (15.2 sq. ft.)

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

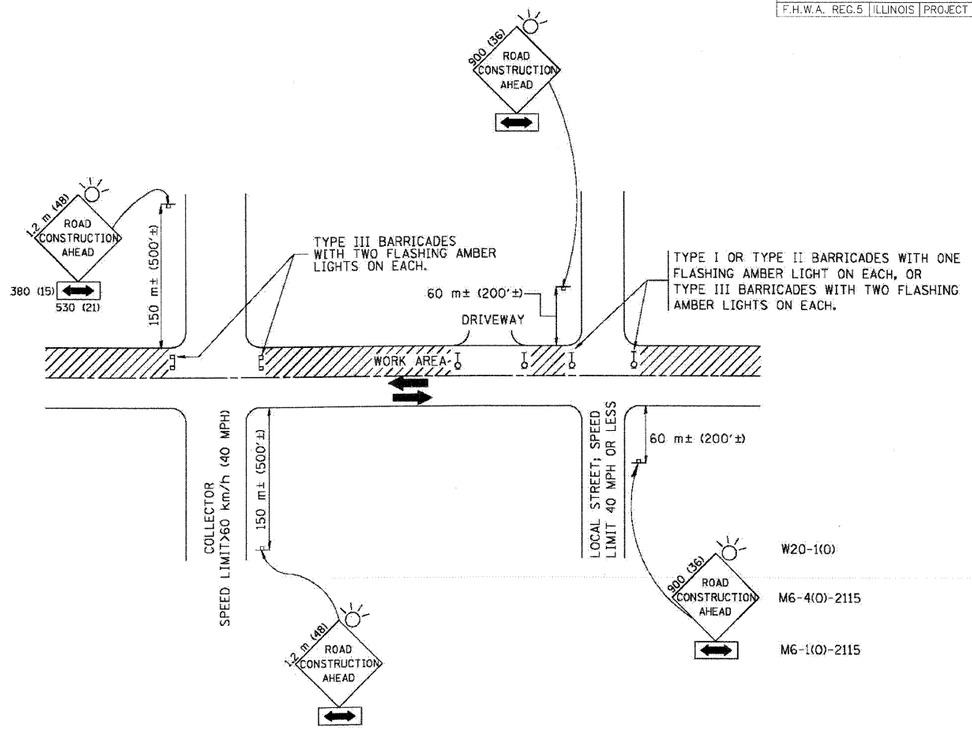
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

SCALE: NONE
DATE 10/18/2002

DRAWN BY CADD
CHECKED BY

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	94
SPECIAL DETAILS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

SCALE: VERT.
HORIZ.
DATE 10/18/2002

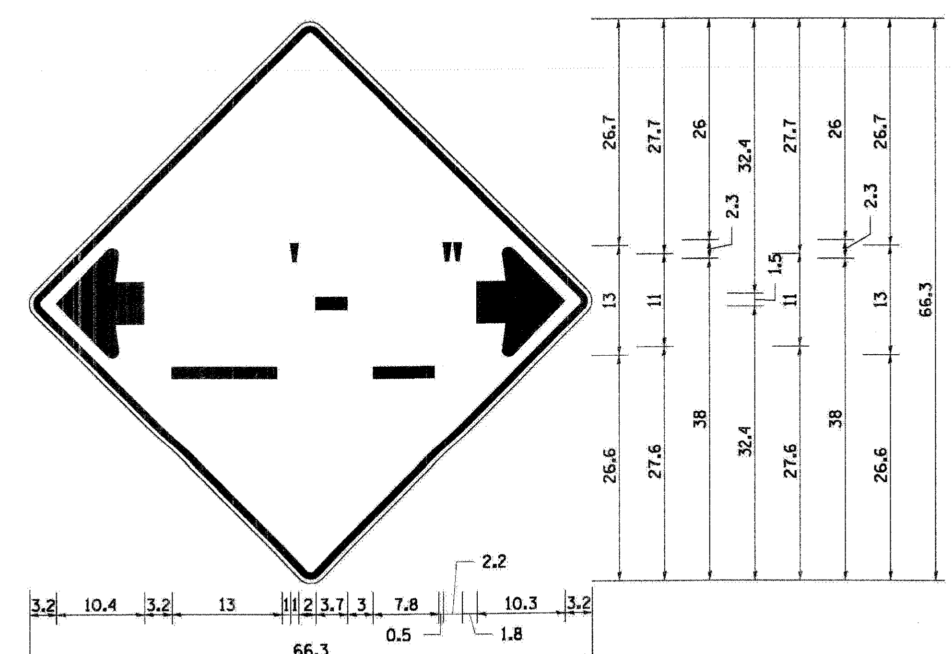
DRAWN BY
CHECKED BY

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	95
DISTRICT 2 STANDARDS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

CONTRACT NO.

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

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES
W12-2 - Horizontal Clearance Sign
48.0" across sides, 1.9" Radius,
0.8" Border, 0.5" Indent, Black on
Orange; Standard Arrow Custom
10.4" X 8.1" 180° Black 11 Inch
D Series Lettering; Standard Arrow
Custom 10.4" X 8.1" 0°

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

PLOT DATE : Mon Feb 07 11:22:03 2005
FILE NAME : C:\projects\D2Standards.cel
PLOT SCALE : 1.0000 ' / IN.
REFERENCE : REF

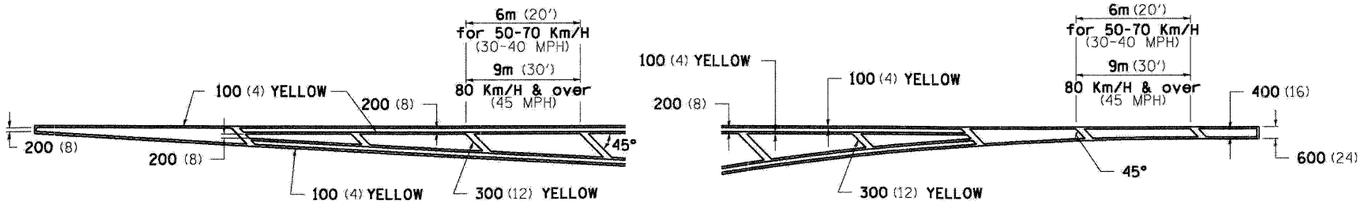
REVISED 2-7-05

January 04, 2006 2:25:52 p.m.
D:\LD 2004\03030167\DWG\DETAILS- DISTRICT_2_(41).DWG

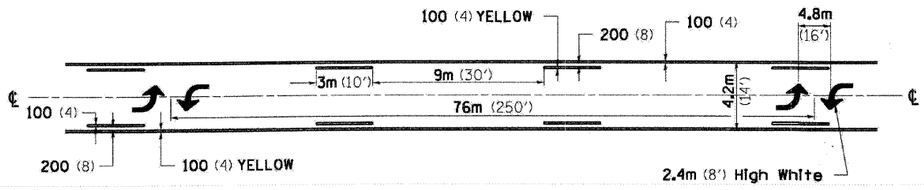
TYPICAL PAVEMENT MARKINGS

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	96
DISTRICT 2 STANDARDS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

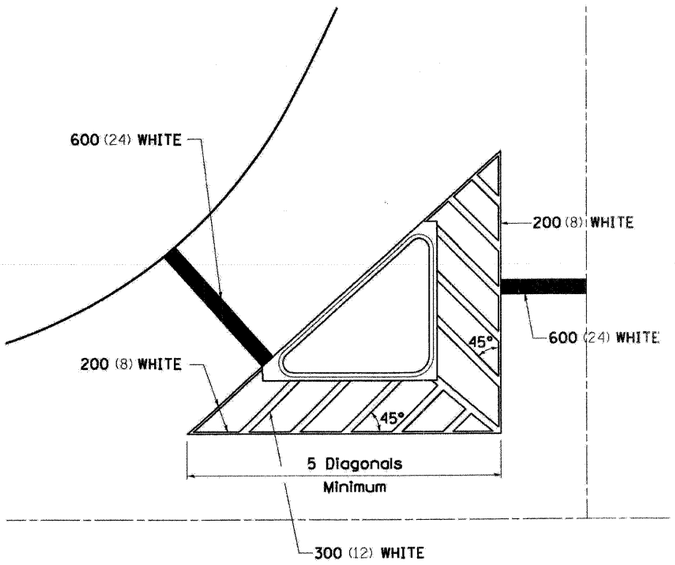
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



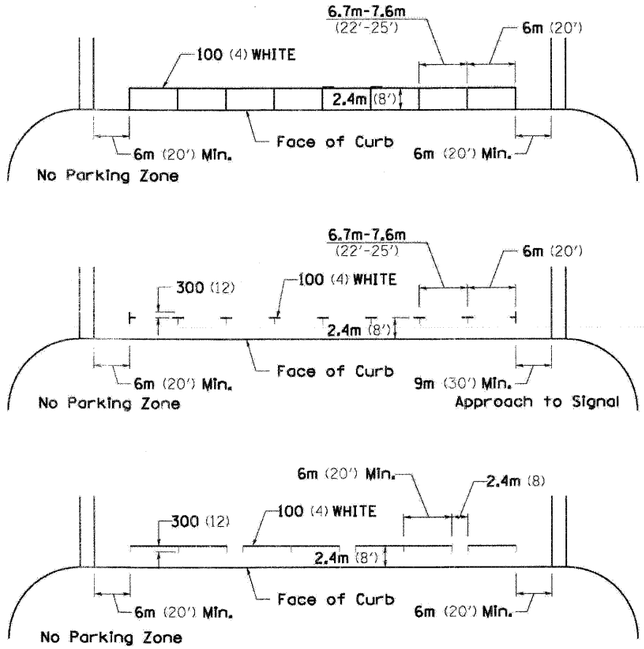
MEDIAN PAVEMENT MARKING



TYPICAL ISLAND OFFSET SHOULDER WIDTH



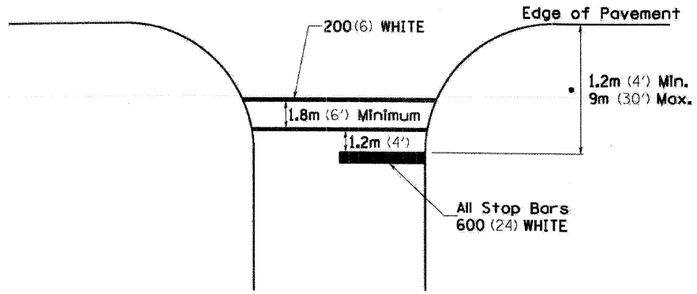
TYPICAL PARKING SPACING



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

STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

REVISED 2-7-05

January 04, 2006 2:26:28 p.m.
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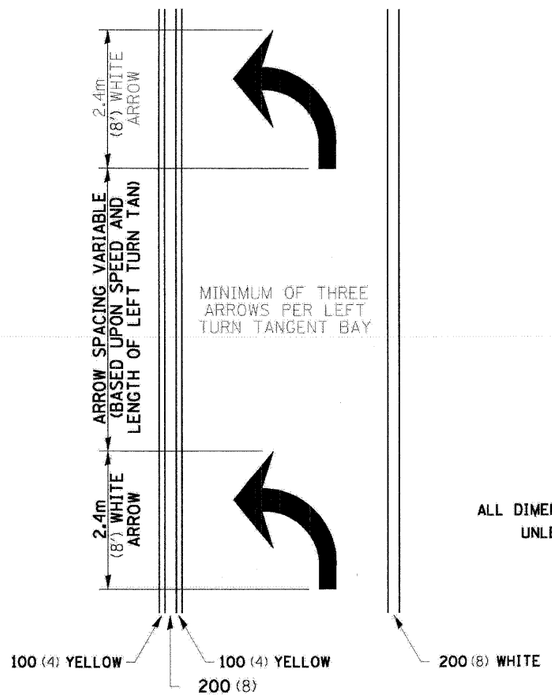
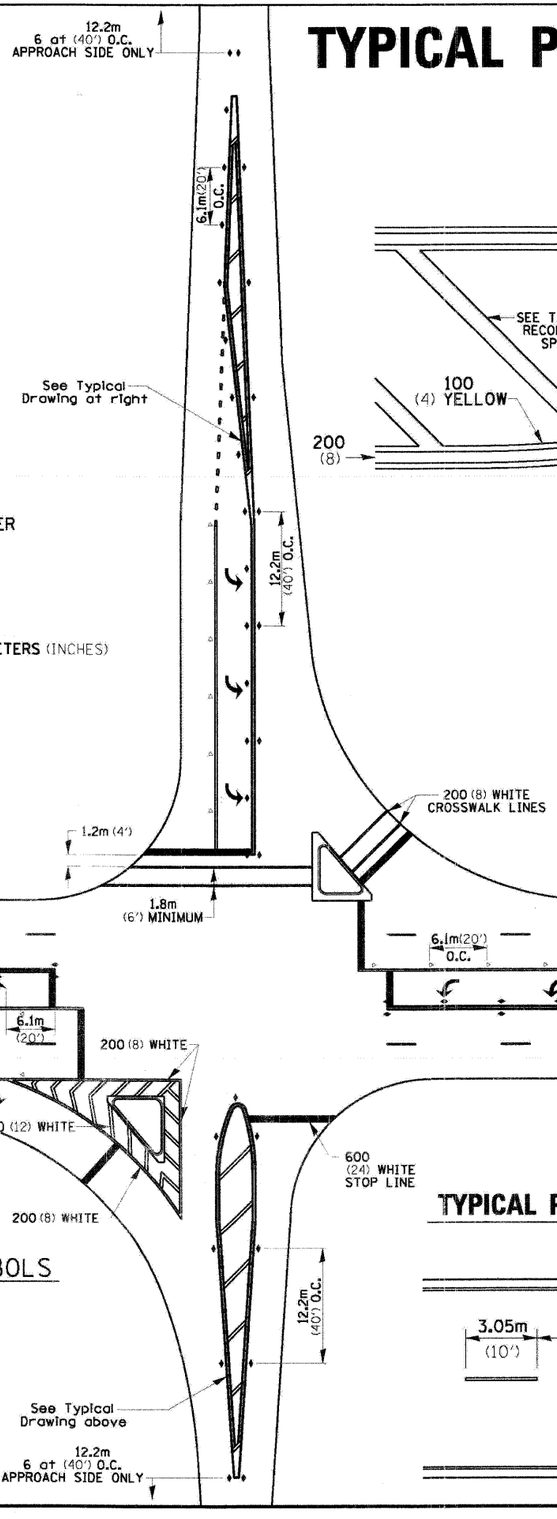
F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
	87330			
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	97
DISTRICT 2 STANDARDS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

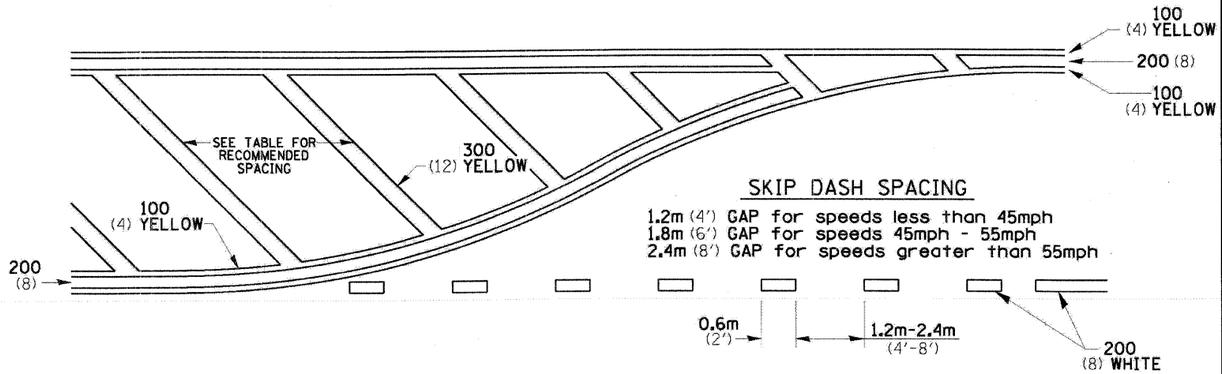




◀ ONE-WAY AMBER MARKER
◁ ONE-WAY CRYSTAL MARKER
◆ TWO-WAY AMBER MARKER

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

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



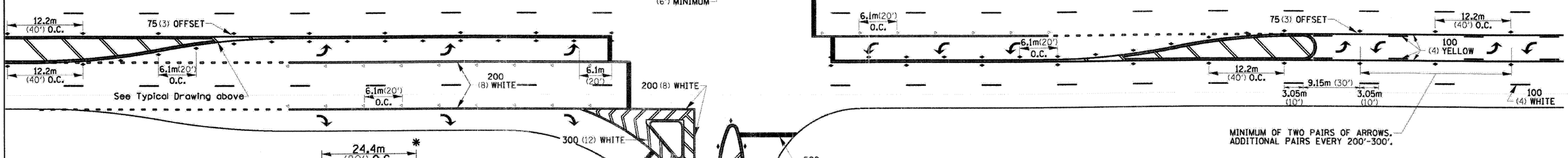
SKIP DASH SPACING

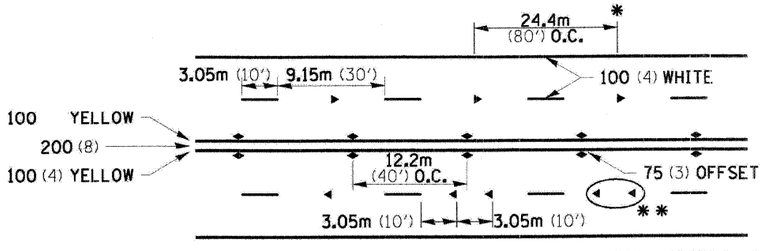
1.2m (4') GAP for speeds less than 45mph
1.8m (6') GAP for speeds 45mph - 55mph
2.4m (8') GAP for speeds greater than 55mph

RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



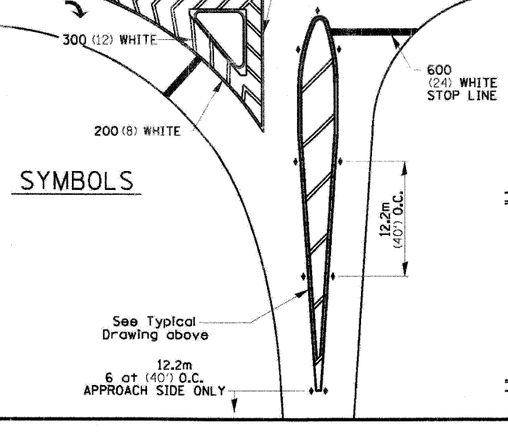


- REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

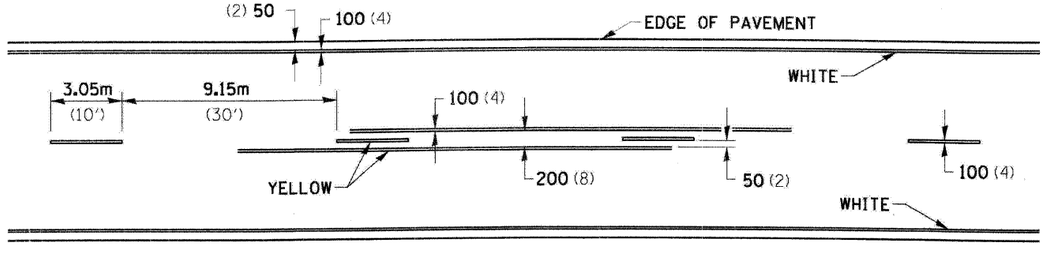
** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

SYMBOLS



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



January 04, 2006 2:27:05 p.m.
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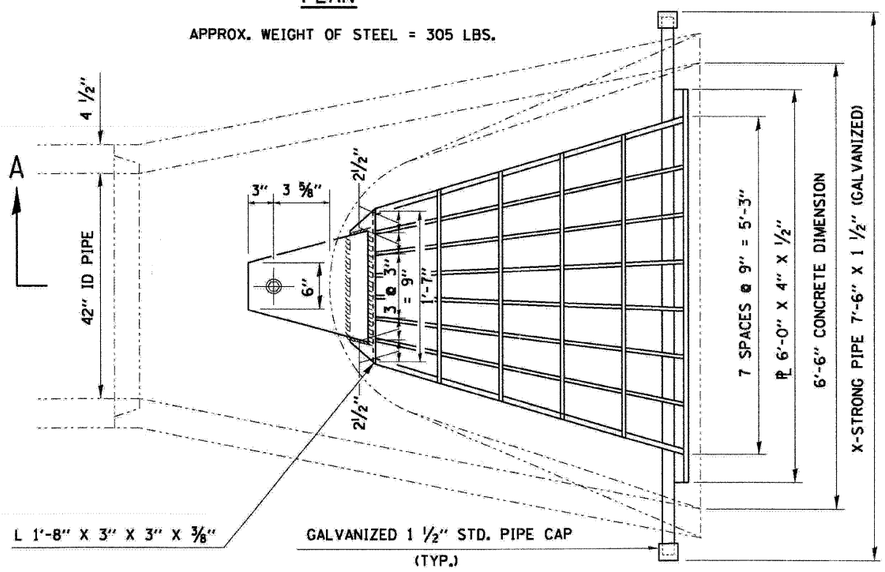
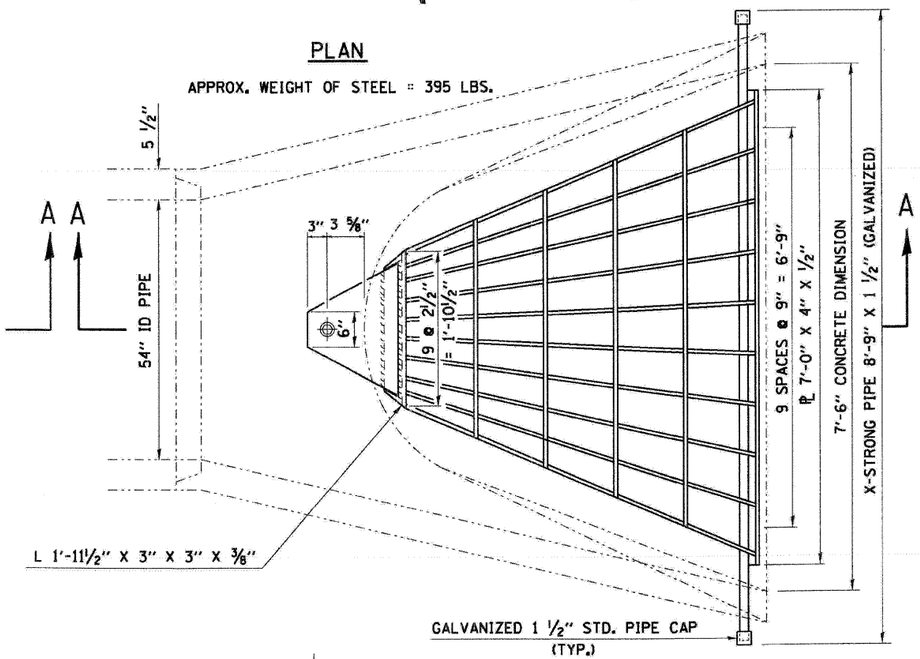
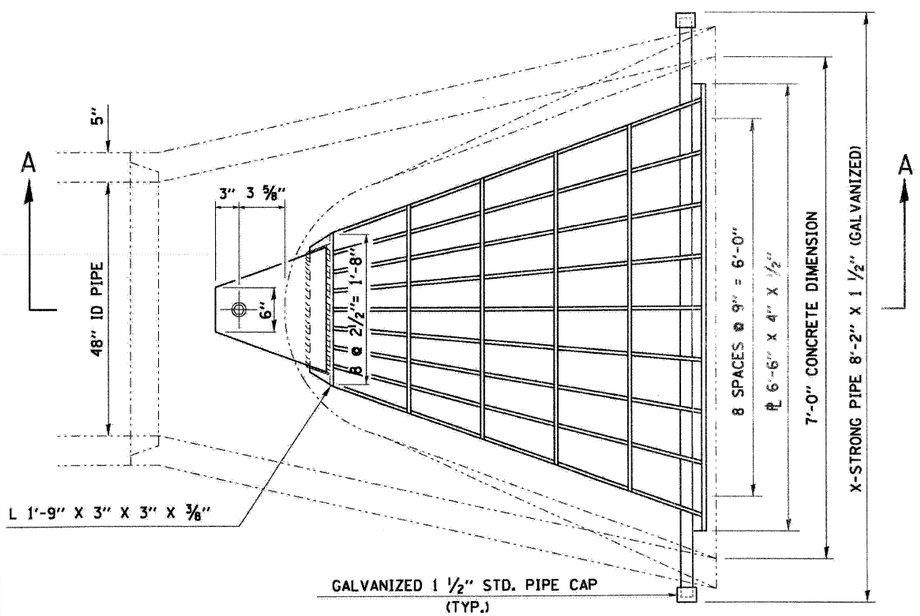
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00180-00-WR	DEKALB	140	98
DISTRICT 2 STANDARDS				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

GRATING FOR HORIZONTAL ELLIPTICAL CONCRETE FLARED END SECTION (FOR 42", 48", & 54" PIPE)

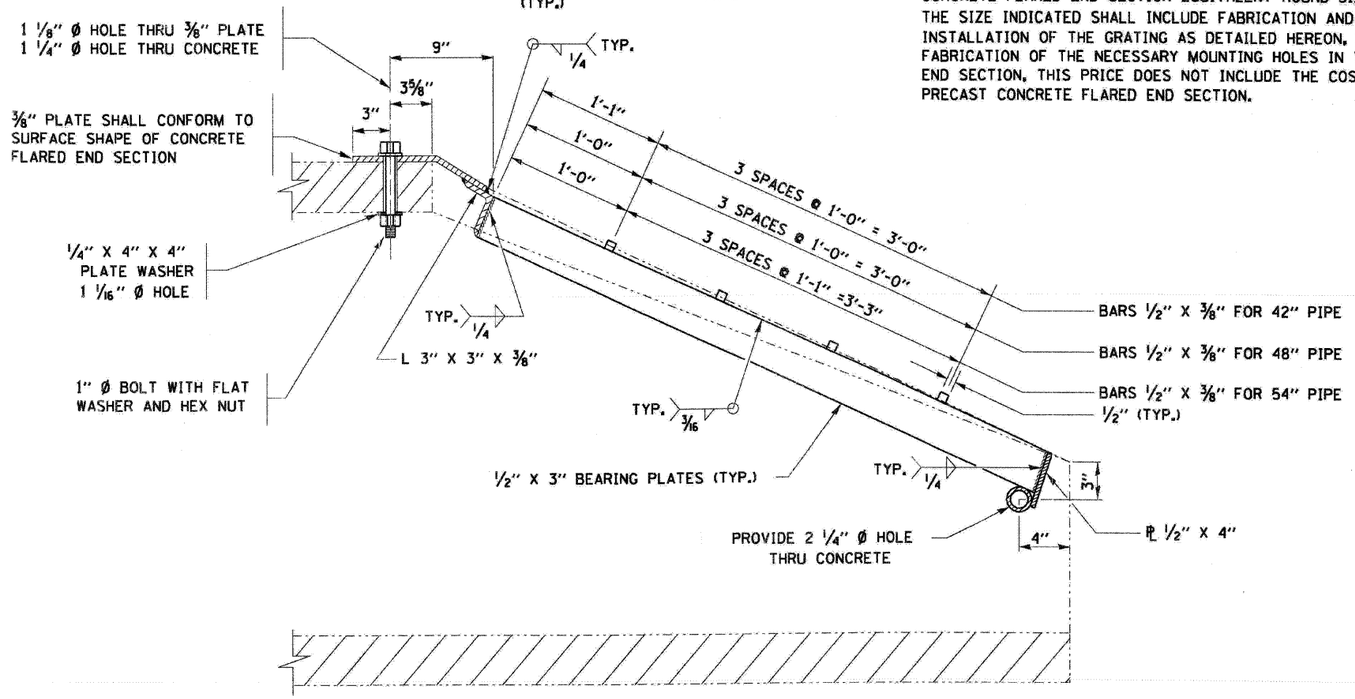






PLAN

APPROX. WEIGHT OF STEEL = 335 LBS.



SECTION A-A

GENERAL NOTES

GRATING DETAILS SHOWN ARE INTENDED FOR USE WITH PARTICULAR SIZES OF PRECAST REINFORCED CONCRETE FLARED END SECTIONS AS SHOWN ON STANDARD 542601.

STRUCTURAL STEEL SHAPES AND PLATES SHALL BE IN ACCORDANCE WITH ARTICLE 1006.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

GALVANIZED STEEL PIPE SHALL BE IN ACCORDANCE WITH ARTICLE 542.07 (d) OF THE STANDARD SPECIFICATIONS. STEEL PIPE SHALL CONFORM TO ASTM A-53 (TYPE E OR S) GRADE B SCHEDULE 40.

BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATIONS.

ALL FABRICATION SHALL BE COMPLETED AND READY FOR ASSEMBLY BEFORE GALVANIZING.

THE CORED HOLES IN THE PRECAST CONCRETE FLARED END SECTIONS SHALL BE TO THE DIAMETERS NOTED. IF CONE-OUT ON THE OTHER END OF THE HOLE OCCURS, THE HOLE SHALL BE FILLED WITH GROUT TO CORRECT DIAMETER OF THE HOLE.

APPROXIMATE WEIGHT OF STEEL SHOWN INCLUDES TOTAL WEIGHT OF GRATING, BOLTS, WASHERS, NUTS AND STEEL PIPE.

THE CONTRACT UNIT PRICE " EACH " FOR GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE OF THE SIZE INDICATED SHALL INCLUDE FABRICATION AND INSTALLATION OF THE GRATING AS DETAILED HEREON, INCLUDING FABRICATION OF THE NECESSARY MOUNTING HOLES IN THE FLARED END SECTION, THIS PRICE DOES NOT INCLUDE THE COST OF THE PRECAST CONCRETE FLARED END SECTION.

STANDARD 542311 (SPECIAL)

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	99

CROSS SECTION STA. 81+15 TO STA. 82+50

F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)

82+50

TEMP. EASE. | PROP. ROW | EX. UTIL. EASE. | EXIST. ROW | EX. SAN. EASE.

853.66 | 853.44 | 1.5% | 853.54 | 1.5% | 853.44

Cut = 35.5 (SF)
Fill = 5.1 (SF)
Unsuitable = 20.5 (SF)

82+00

TEMP. EASE. | PROP. ROW | EX. EASE. | EXIST. ROW | EX. UTIL. EASE. | EX. SAN. EASE.

852.98 | 852.78 | 1.5% | −9.00 852.75 | 0.5% | 852.79 | 0.5% | −9.00 852.75 | 1.5% | 852.78

Cut = 45.7 (SF)
Fill = 1.4 (SF)
Unsuitable = 18.9 (SF)

81+50

TEMP. EASE. | PROP. ROW | EXIST. ROW | EX. EASE. | EX. UTIL. EASE. | EX. SAN. EASE.

ELEVATIONS ARE TO BACK OF SIDEWALK UNLESS NOTED OTHERWISE (TYP.)

ELEVATIONS ARE TO TOP OF CURB UNLESS NOTED OTHERWISE (TYP.)

851.98 | 851.74 | 1.5% | −9.00 851.71 | 0.5% | 851.75 | 0.5% | −9.00 851.71 | 1.5% | 851.74

Cut = 36.1 (SF)
Fill = 0.0 (SF)
Unsuitable = 17.9 (SF)

81+15

NOTE:
GRADE BEHIND SIDEWALK OR PATH TO ROW OR EASEMENT LINE TYPICAL FOR ALL SECTIONS UNLESS NOTED OTHERWISE.

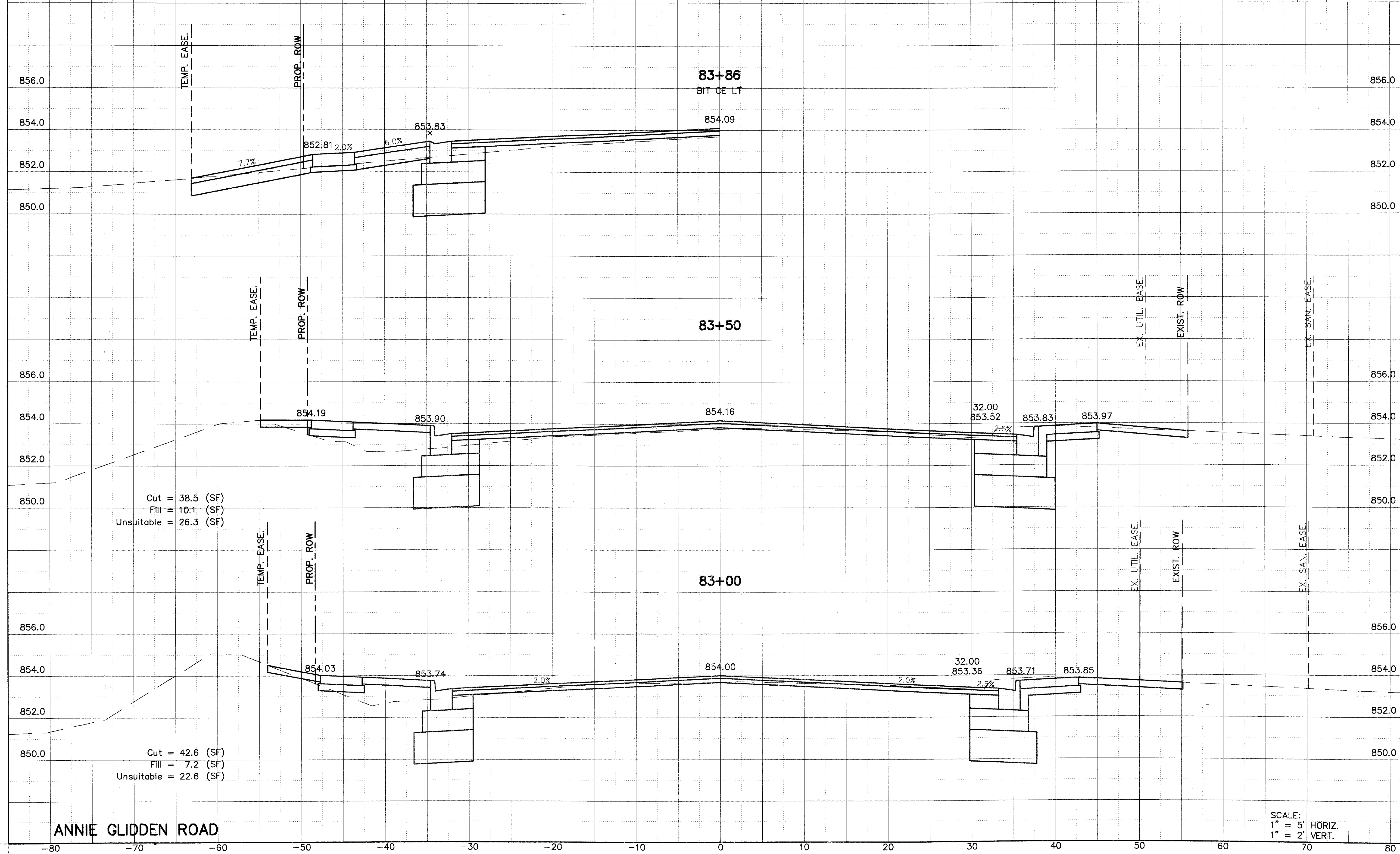
ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

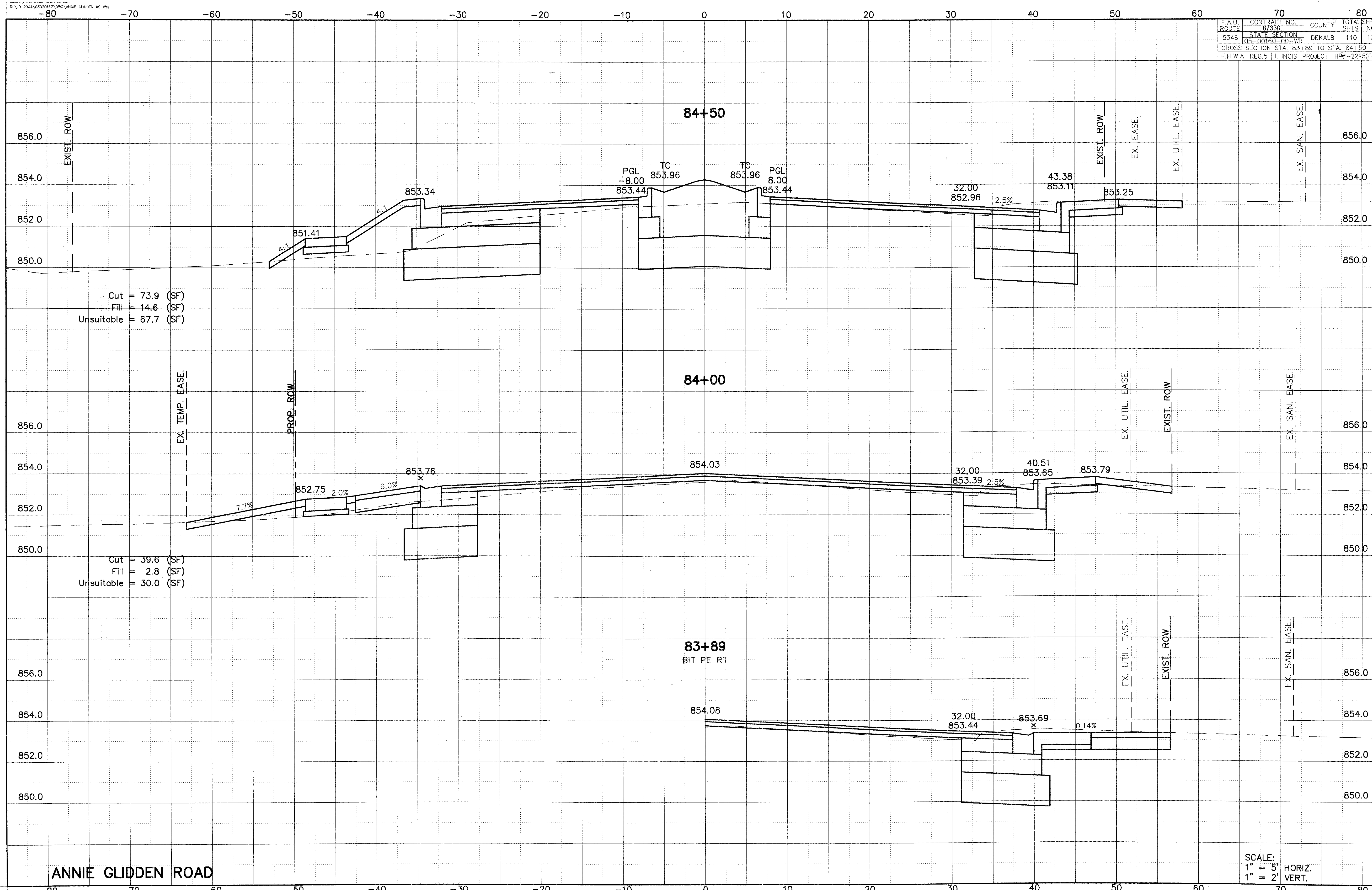
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	100

CROSS SECTION STA. 83+00 TO STA. 83+86

F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)



F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	101
CROSS SECTION STA. 83+89 TO STA. 84+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



84+50
EXIST. ROW
EX. EASE.
EX. UTIL. EASE.
EX. SAN. EASE.
PGL -8.00 853.44
TC 853.96
TC 853.96
PGL 8.00 853.44
853.34
851.41
4:1
4:1
32.00 852.96
2.5%
43.38 853.11
853.25
Cut = 73.9 (SF)
Fill = 14.6 (SF)
Unsuitable = 67.7 (SF)
84+00
EX. TEMP. EASE.
PROP. ROW
EX. UTIL. EASE.
EXIST. ROW
EX. SAN. EASE.
854.03
853.76
852.75
2.0%
6.0%
7.7%
32.00 853.39
2.5%
40.51 853.65
853.79
Cut = 39.6 (SF)
Fill = 2.8 (SF)
Unsuitable = 30.0 (SF)
83+89
BIT PE RT
EX. UTIL. EASE.
EXIST. ROW
EX. SAN. EASE.
854.08
32.00 853.44
853.69
0.14%
856.0
854.0
852.0
850.0
-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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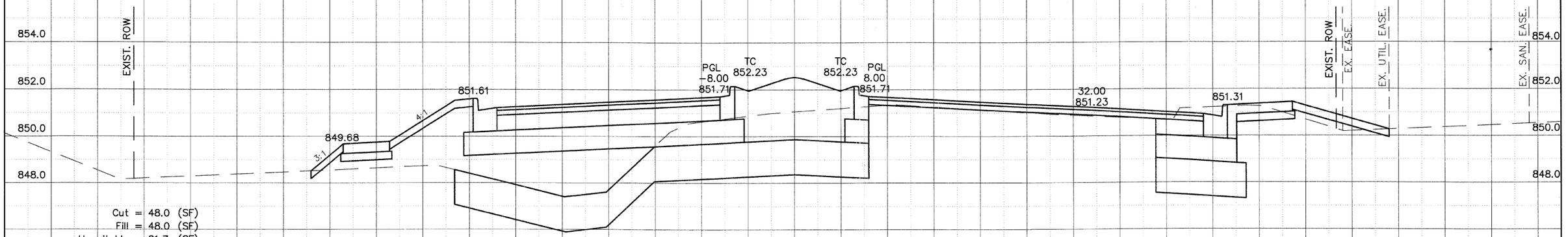
F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87330 STATE SECTION 05-00160-00-WR	DEKALB	140	102

CROSS SECTION STA. 85+00 TO STA. 86+00

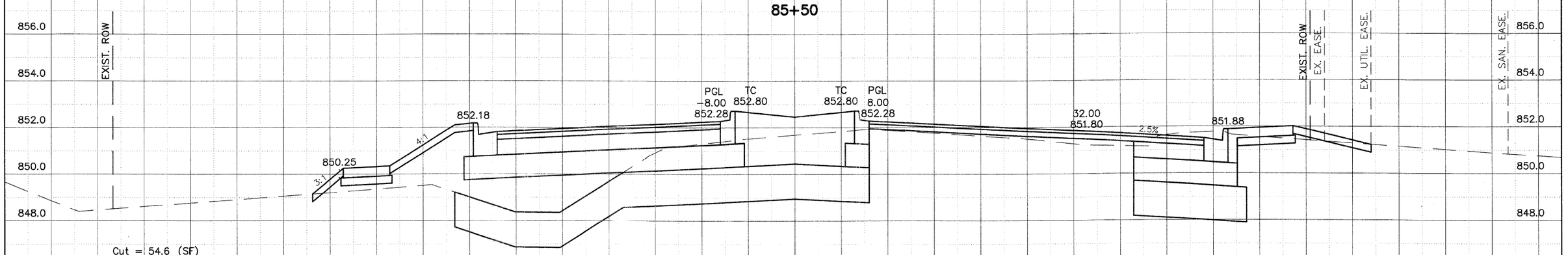
F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)

86+00



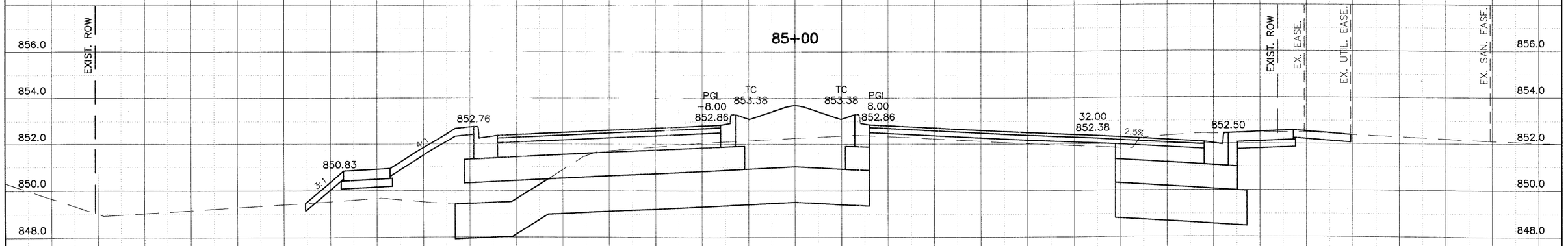
Cut = 48.0 (SF)
Fill = 48.0 (SF)
Unsuitable = 81.7 (SF)

85+50



Cut = 54.6 (SF)
Fill = 38.0 (SF)
Unsuitable = 85.1 (SF)

85+00



Cut = 74.1 (SF)
Fill = 31.8 (SF)
Unsuitable = 88.1 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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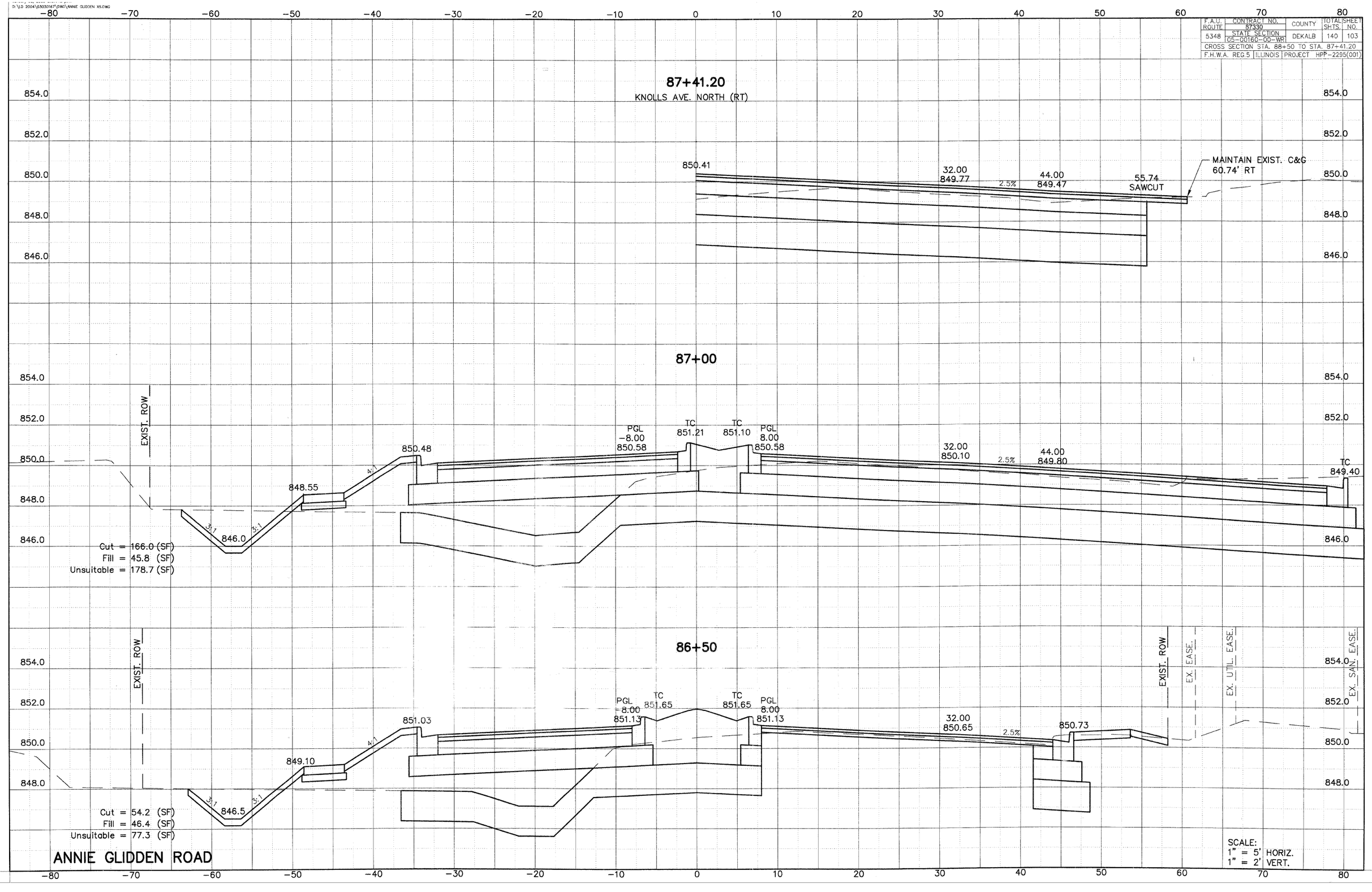
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	103
CROSS SECTION STA. 88+50 TO STA. 87+41.20				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



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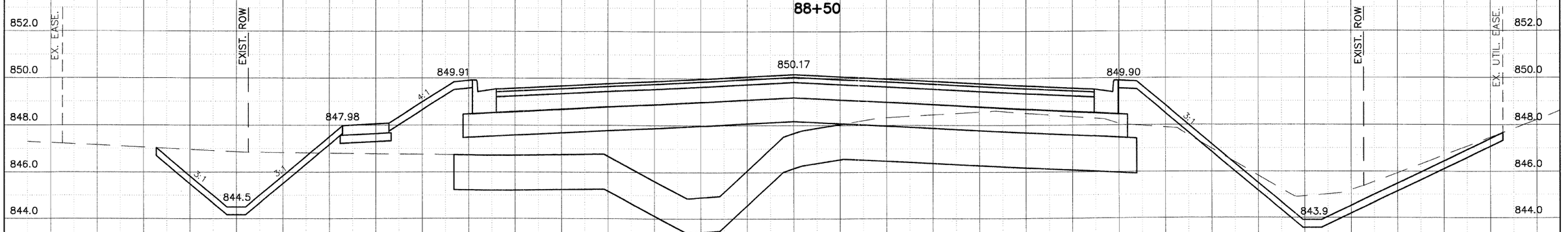
F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87330 STATE SECTION 05-00160-00-WR	DEKALB	140	104

CROSS SECTION STA. 87+50 TO STA. 88+50

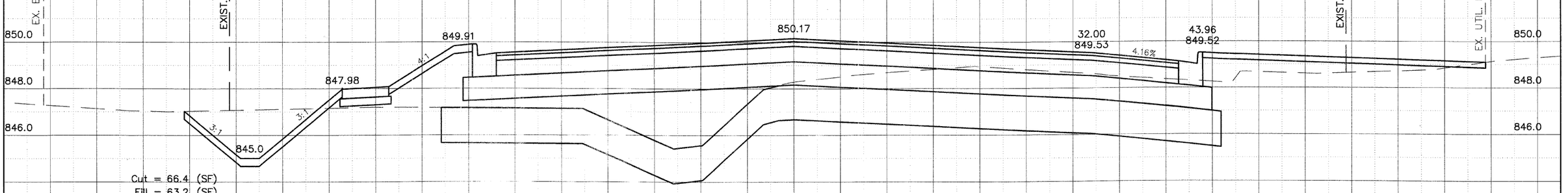
F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)

88+50



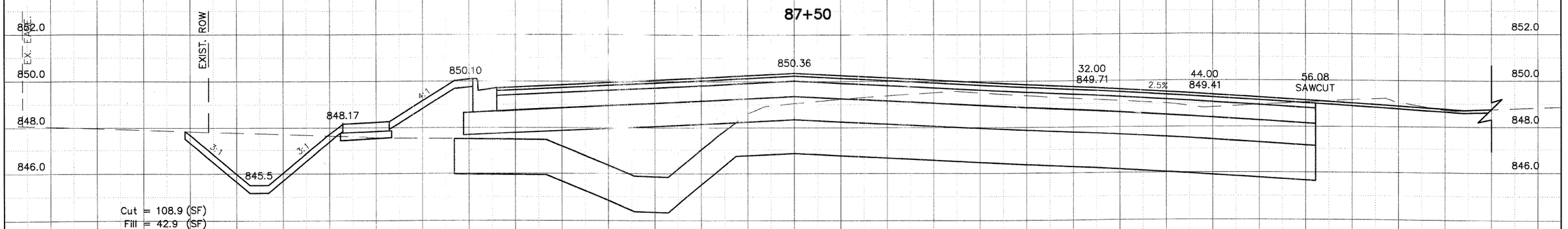
Cut = 71.4 (SF)
Fill = 83.9 (SF)
Unsuitable = 110.2 (SF)

88+00



Cut = 66.4 (SF)
Fill = 63.2 (SF)
Unsuitable = 125.8 (SF)

87+50



Cut = 108.9 (SF)
Fill = 42.9 (SF)
Unsuitable = 139.0 (SF)

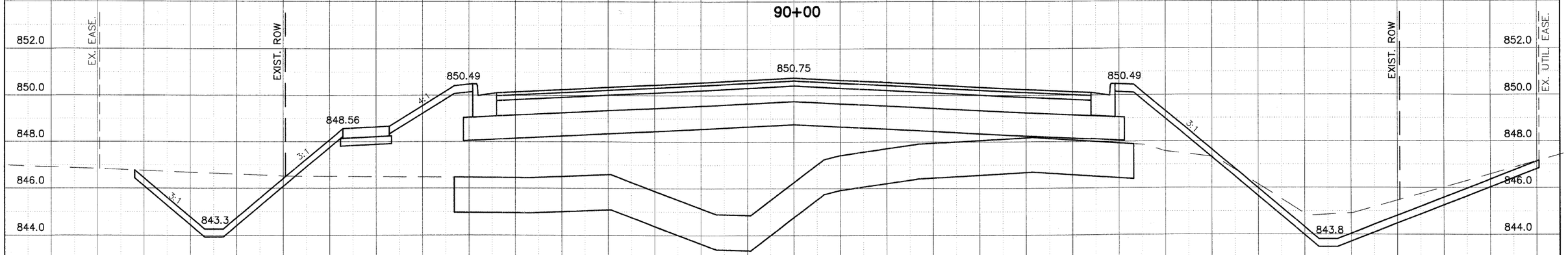
ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

D:\LD 2004\03030167\DWG\ANNIE GLIDDEN XS.DWG

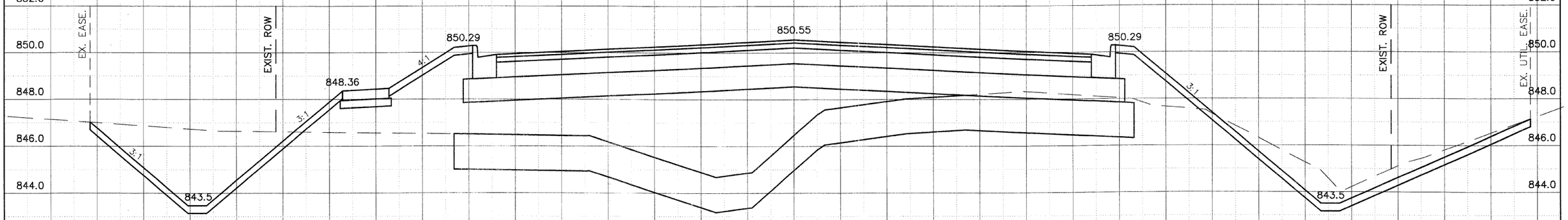
F.A.U. ROUTE	CONTRACT NO. 67330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	105
CROSS SECTION STA. 89+00 TO STA. 90+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPR-2295(001)		

90+00



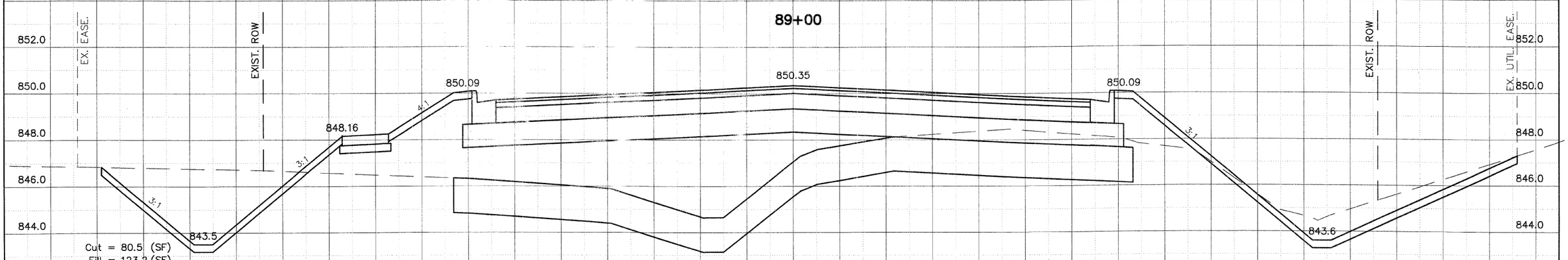
Cut = 54.3 (SF)
Fill = 155.3 (SF)
Unsuitable = 109.8 (SF)

89+50



Cut = 77.6 (SF)
Fill = 135.9 (SF)
Unsuitable = 109.7 (SF)

89+00



Cut = 80.5 (SF)
Fill = 123.2 (SF)
Unsuitable = 109.6 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87330 STATE SECTION 051-00160-00-WR	DEKALB	140	106

CROSS SECTION STA. 90+50 TO STA. 91+50

F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)

91+50

EX. EASE. | EXIST. ROW | EXIST. ROW | EX. UTIL. EASE.

PGL −8.00 850.59 | TC 851.18 | TC 851.11 | PGL 8.00 850.59

850.49 | 848.56 | 32.00 850.11 | 2.5% | 850.35 | 844.7 | 845.1

4:1 | 3:1 | 3:1 | 3:1 | 3:1

Cut = 22.5 (SF)
Fill = 155.1 (SF)
Unsuitable = 117.9 (SF)

91+00

PGL −8.00 850.79 | TC 851.44 | TC 851.31 | PGL 8.00 850.79

850.69 | 848.76 | 32.00 850.31 | 2.5% | 850.62 | 844.4 | 844.8

4:1 | 3:1 | 3:1 | 3:1 | 3:1

Cut = 27.1 (SF)
Fill = 176.3 (SF)
Unsuitable = 114.0 (SF)

90+50

PGL −8.00 850.79 | 850.95 | PGL 8.00 850.79

850.69 | 848.76 | 850.69 | 844.1 | 844.5

4:1 | 3:1 | 3:1 | 3:1

Cut = 36.1 (SF)
Fill = 185.6 (SF)
Unsuitable = 109.8 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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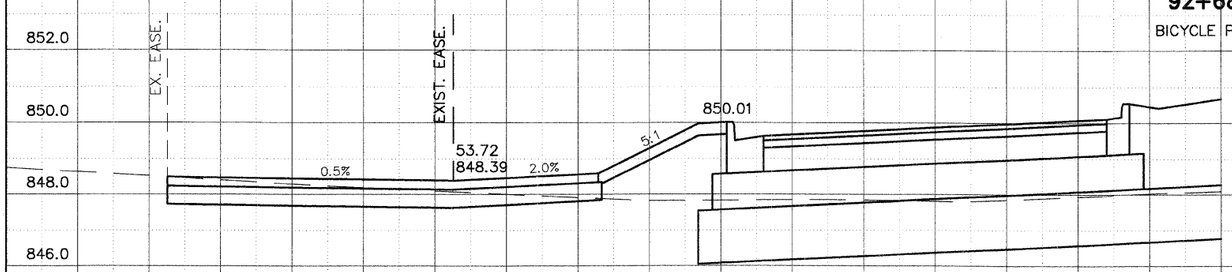
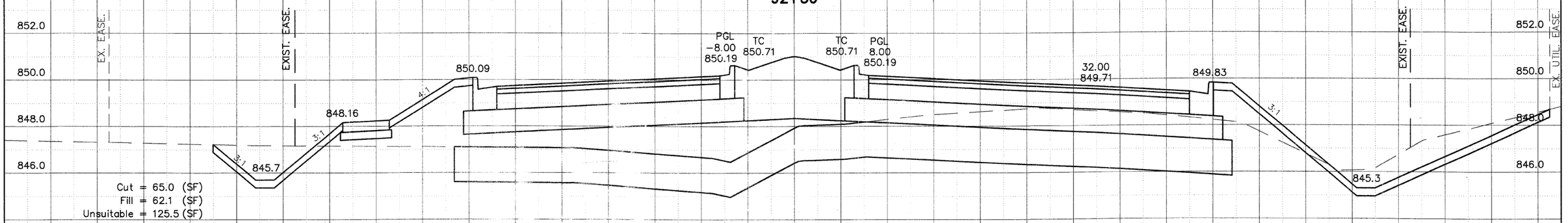
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	107
CROSS SECTION STA. 92+00 TO STA. 92+88.70				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

92+68.70

BICYCLE PATH LT

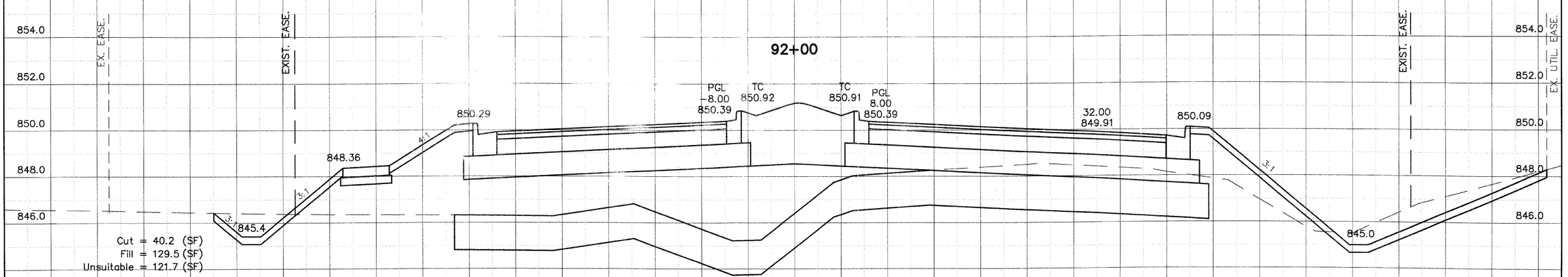


92+50



Cut = 65.0 (SF)
Fill = 62.1 (SF)
Unsuitable = 125.5 (SF)

92+00



Cut = 40.2 (SF)
Fill = 129.5 (SF)
Unsuitable = 121.7 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

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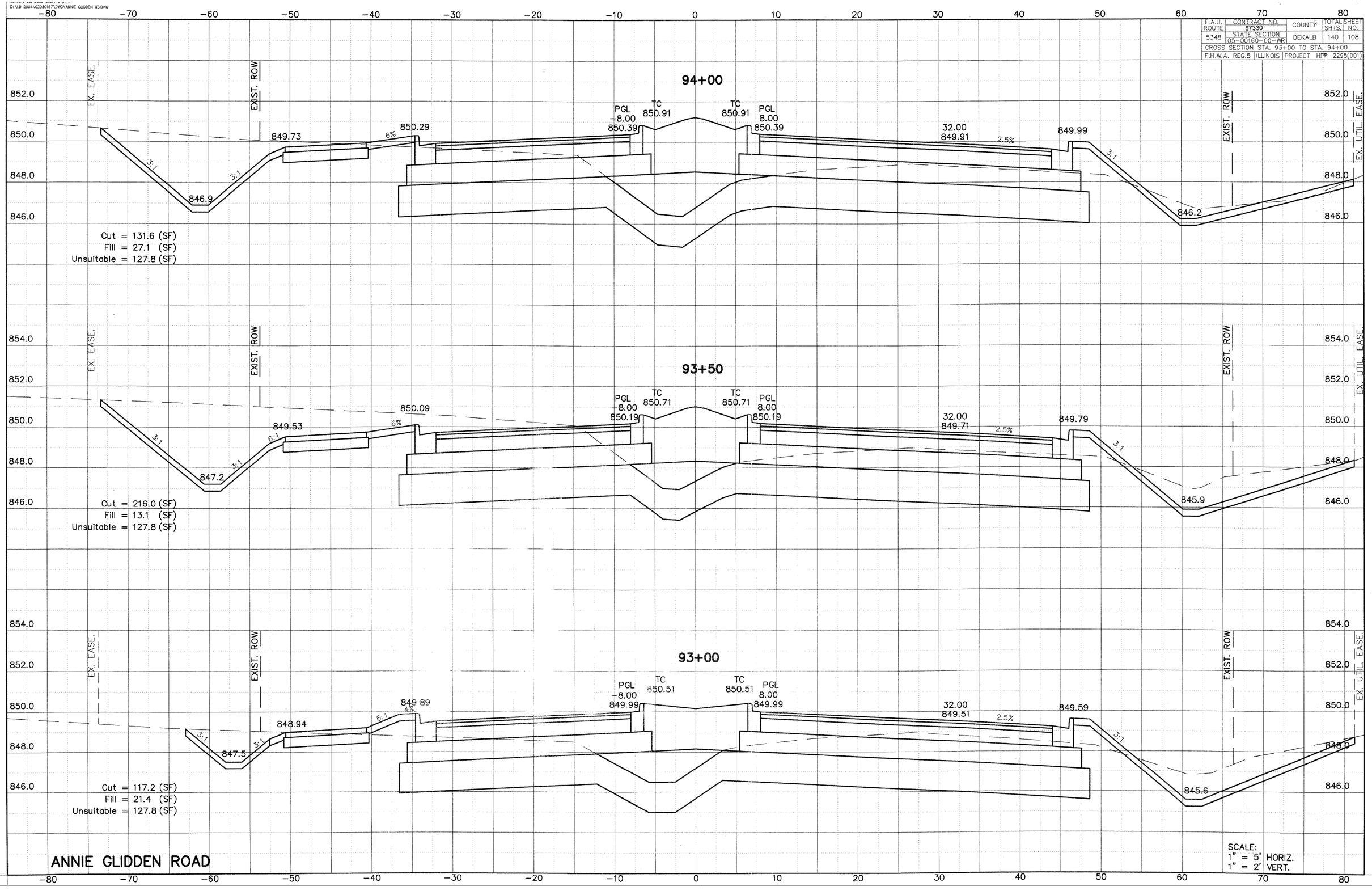
F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87330 STATE SECTION 05-00160-00-WR	DEKALB	140	108

CROSS SECTION STA. 93+00 TO STA. 94+00

F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)



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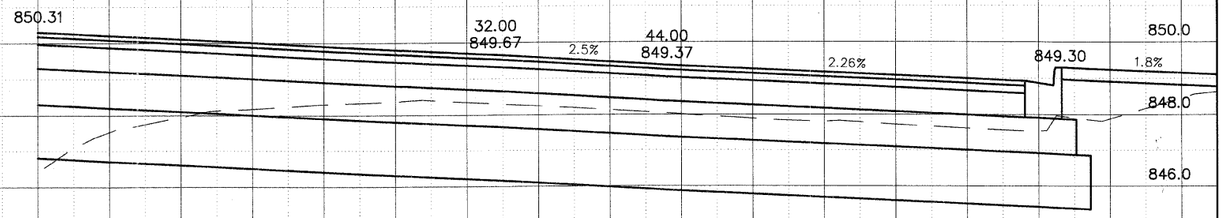
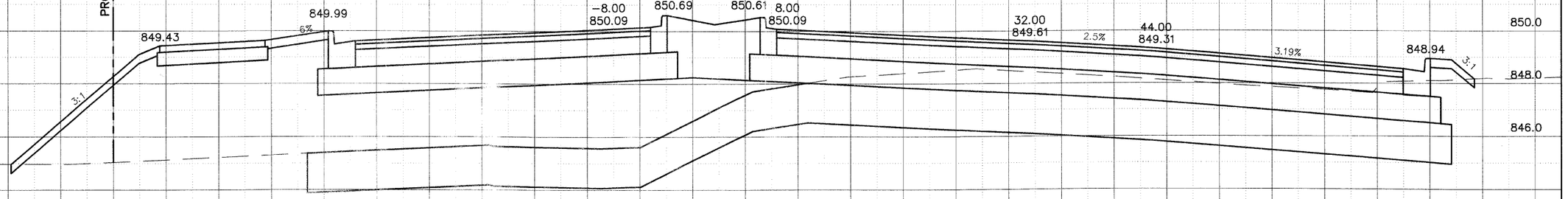
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	109
CROSS SECTION STA. 94+50 TO STA. 95+41.20				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

95+41.20

KNOLLS AVE. SOUTH (RT)

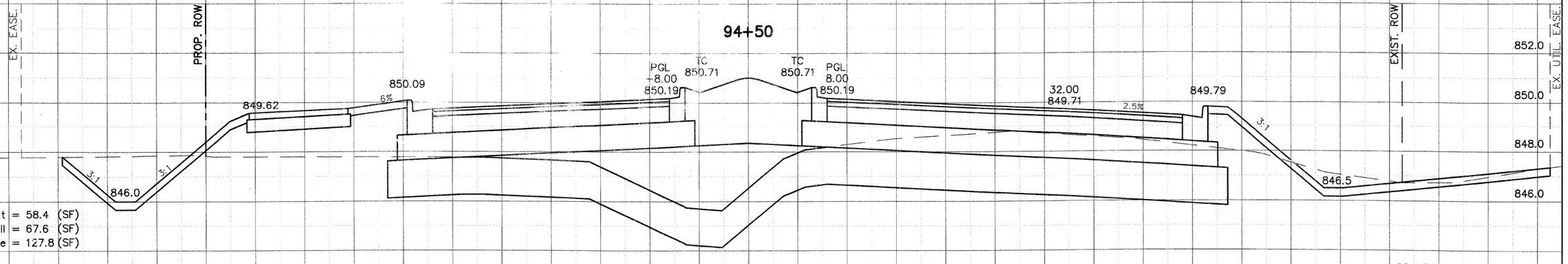


95+00



Cut = 46.6 (SF)
Fill = 173.7 (SF)
Unsuitable = 162.9 (SF)

94+50



Cut = 58.4 (SF)
Fill = 67.6 (SF)
Unsuitable = 127.8 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	110
CROSS SECTION STA. 95+50 TO STA. 96+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

96+50

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

852.0 / 850.0 / 848.0 / 846.0 / 844.0

850.25 | 6% | 850.72 | 850.98 | 32.00 | 850.33 | 850.70 | 4:1 | 849.77 | 3:1 | 843.6

Cut = 22.2 (SF)
Fill = 273.7 (SF)
Unsuitable = 110.6 (SF)

96+00

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

852.0 / 850.0 / 848.0 / 846.0 / 844.0

849.81 | 6% | 850.37 | 850.63 | 32.00 | 849.99 | 5.08% | 45.41 | 849.82 | 6:1 | 849.21 | 10:1 | 70.00 | 848.00 | 3:1

Cut = 12.1 (SF)
Fill = 280.5 (SF)
Unsuitable = 125.7 (SF)

95+50

PROP. PERM. EASE. | PROP. ROW

852.0 / 850.0 / 848.0 / 846.0

849.52 | 6% | 850.08 | 850.34 | 32.00 | 849.70 | 2.5% | 44.00 | 849.40 | 2.35% | 3:1

Cut = 42.2 (SF)
Fill = 209.7 (SF)
Unsuitable = 180.9 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

−80 −70 −60 −50 −40 −30 −20 −10 0 10 20 30 40 50 60 70 80

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F.A.U. ROUTE	CONTRACT NO. 37330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	111
CROSS SECTION STA. 97+00 TO STA. 98+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

98+00
BOX CULVERT HEADWALL (RT)

+54.90

EARTHWORK VOLUME MEASURED THIS SECTION

SEE PLAN & PROFILE SHEETS FOR GRADING LIMITS

PROP. PERM. EASE.

PROP. ROW

EXIST. ROW

EX. UTIL. EASE.

851.07 — 6% — 851.63 — 851.89 — 851.63 — 4:1 — 850.70 — 5:1

3:1

Cut = 2.3 (SF)
Fill = 347.2 (SF)
Unsuitable = 109.8 (SF)

97+50
BOX CULVERT

850.85 — 6% — 851.41 — 851.68 — 851.41 — 4:1 — 850.48 — 3:1

SEE BOX CULVERT PLAN FOR EARTHWORK VOLUME INCLUDED IN THE COST OF ITEMS FOR BOX CULVERT CONSTRUCTION

843.2

97+00
BOX CULVERT HEADWALL (LT)

−61.00

SEE PLAN & PROFILE SHEETS FOR GRADING LIMITS

EARTHWORK VOLUME MEASURED THIS SECTION

850.50 — 6% — 851.06 — 851.33 — 851.06 — 4:1 — 850.13 — 3:1

6:1

Cut = 0.0 (SF)
Fill = 317.4 (SF)
Unsuitable = 109.8 (SF)

843.4

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	112

CROSS SECTION STA. 98+50 TO STA. 99+50

F.H.W.A. REG.5 | ILLINOIS | PROJECT HPP-2295(001)

99+50

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

PGL −8.00 852.32 | TC 852.91 | TC 852.84 | PGL 8.00 852.32

851.75 | 852.22 | 32.00 851.84 | 852.05 | 851.12 | 849.0

6:1 | 3:1 | 6% | 2.5% | 4:1 | 3:1 | 3:1

SEE NOTE

Cut = 51.1 (SF)
Fill = 73.9 (SF)
Unsuitable = 119.9 (SF)

99+00

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

PGL −8.00 852.13 | TC 852.77 | TC 852.65 | PGL 8.00 852.13

851.47 | 852.03 | 32.00 851.65 | 851.92 | 850.99 | 847.0

6:1 | 3:1 | 6% | 2.5% | 4:1 | 3:1 | 3:1

SEE NOTE

Cut = 46.1 (SF)
Fill = 186.5 (SF)
Unsuitable = 116.0 (SF)

98+50

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

PGL −8.00 851.93 | TC 852.60 | TC 852.45 | PGL 8.00 851.93

851.27 | 851.83 | 32.00 851.45 | 851.79 | 850.86 | 845.1

6:1 | 3:1 | 6% | 2.5% | 4:1 | 3:1 | 3:1

NOTE:
FOR EARTHWORK AND GRADING BEYOND PROPOSED ROW (LT), SEE COMPENSATORY STORAGE BASIN GRADING PLAN.

Cut = 23.4 (SF)
Fill = 289.5 (SF)
Unsuitable = 112.0 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	113
CROSS SECTION STA. 100+00 TO STA. 101+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

101+00

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

SEE NOTE

851.43 | 3:1 | 6% | 851.99 | PGL −8.00 852.09 | TC 852.61 | TC 852.67 | PGL 8.00 852.09 | 32.00 851.61 | 2.5% | 851.69 | 4:1 | 850.76 | 3:1 | 3:1 | 848.1

Cut = 114.3 (SF)
Fill = 42.3 (SF)
Unsuitable = 124.8 (SF)

100+50

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

SEE NOTE

851.66 | 3:1 | 6% | 852.22 | PGL −8.00 852.32 | TC 852.84 | TC 852.85 | PGL 8.00 852.32 | 32.00 851.84 | 2.5% | 851.92 | 4:1 | 850.99 | 3:1 | 3:1 | 848.4

Cut = 141.6 (SF)
Fill = 27.0 (SF)
Unsuitable = 127.4 (SF)

100+00

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

NOTE:
FOR EARTHWORK AND GRADING BEYOND PROPOSED ROW (LT), SEE COMPENSATORY STORAGE BASIN GRADING PLAN.

851.74 | 3:1 | 6% | 852.30 | PGL −8.00 852.40 | TC 852.94 | TC 852.92 | PGL 8.00 852.40 | 32.00 851.92 | 2.5% | 852.06 | 4:1 | 851.13 | 3:1 | 3:1 | 848.7

Cut = 117.7 (SF)
Fill = 37.5 (SF)
Unsuitable = 123.9 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHEET SHTS.	NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	114
CROSS SECTION STA. 101+50 TO STA. 102+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

102+50

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

854.0 / 852.0 / 850.0 / 848.0 / 846.0

850.45 — 6% — 851.01 — 851.27 — 32.00 — 850.63 — 2.5% — 850.71 — 4:1 — 849.78 — 3:1 — 847.20

3:1

SEE NOTE

Cut = 51.8 (SF)
Fill = 201.2 (SF)
Unsuitable = 127.6 (SF)

102+00

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

852.0 / 850.0 / 848.0 / 846.0

PGL −8.00 851.44 — TC 851.96 — TC 852.12 — PGL 8.00 851.44

850.87 — 6% — 851.34 — 32.00 — 850.96 — 2.5% — 851.04 — 4:1 — 850.11 — 3:1 — 847.50 — 2.7%

3:1

SEE NOTE

Cut = 65.6 (SF)
Fill = 162.9 (SF)
Unsuitable = 127.8 (SF)

101+50

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

NOTE:
FOR EARTHWORK AND GRADING BEYOND PROPOSED ROW (LT), SEE COMPENSATORY STORAGE BASIN GRADING PLAN.

852.0 / 850.0 / 848.0

PGL −8.00 851.77 — TC 852.29 — TC 852.40 — PGL 8.00 851.77

851.19 — 6% — 851.66 — 32.00 — 851.29 — 2.5% — 851.37 — 4:1 — 850.44 — 3:1 — 847.80 — 3:1

3:1

Cut = 76.4 (SF)
Fill = 94.0 (SF)
Unsuitable = 127.8 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

−80 −70 −60 −50 −40 −30 −20 −10 0 10 20 30 40 50 60 70 80

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	115
CROSS SECTION STA. 103+00 TO STA. 104+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

104+00

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

849.79 | 850.26 (6%) | 850.52 | 32.00 | 849.88 | 2.5% | 849.96 | 4:1 | 849.03 | 3:1 | 3:1 | 846.3

SEE NOTE

Cut = 67.6 (SF)
Fill = 145.1 (SF)
Unsuitable = 127.6 (SF)

103+50

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

849.84 | 6% | 850.40 | 6% | 850.66 | 32.00 | 850.02 | 2.5% | 850.10 | 4:1 | 849.17 | 3:1 | 846.6

SEE NOTE

Cut = 60.6 (SF)
Fill = 176.8 (SF)
Unsuitable = 127.6 (SF)

103+00

PROP. PERM. EASE. | PROP. ROW | EXIST. ROW | EX. UTIL. EASE.

NOTE:
FOR EARTHWORK AND GRADING BEYOND PROPOSED ROW (LT), SEE COMPENSATORY STORAGE BASIN GRADING PLAN.

850.13 | 6% | 850.69 | 850.95 | 32.00 | 850.31 | 2.5% | 850.39 | 4:1 | 849.46 | 3:1 | 846.9

Cut = 67.7 (SF)
Fill = 194.6 (SF)
Unsuitable = 127.6 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

−80 −70 −60 −50 −40 −30 −20 −10 0 10 20 30 40 50 60 70 80

852.0 850.0 848.0 846.0

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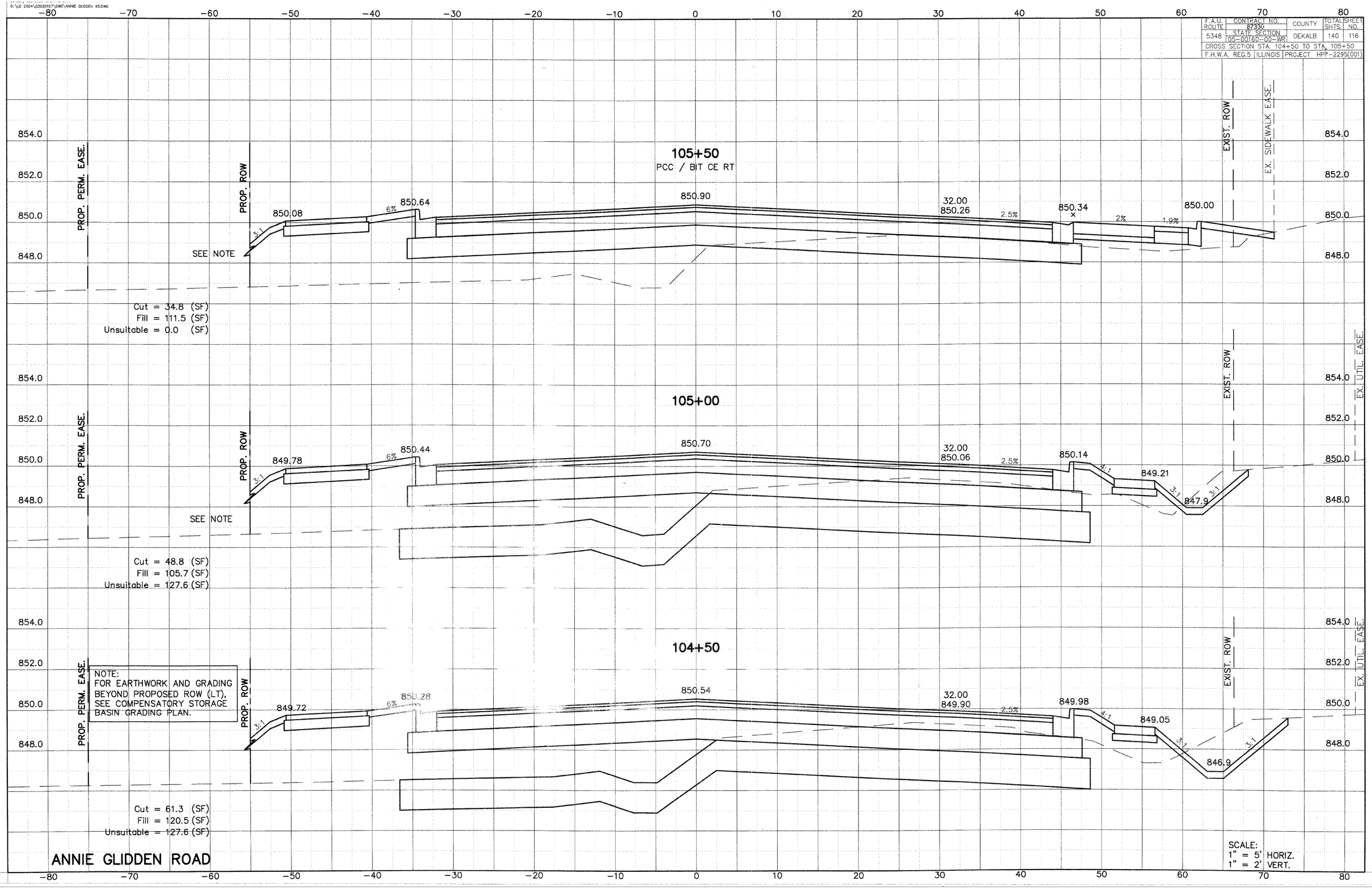
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	116
CROSS SECTION STA. 104+50 TO STA. 105+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	117
CROSS SECTION STA. 105+70.70 TO STA. 106+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

106+50

PROP. ROW

3:1 6:1

850.44

851.00 6%

0.70%

−32.00 850.66

851.30

32.00 850.66

2.5%

850.74

4:1

849.81

EXIST. ROW

EX. SIDEWALK EASE.

SEE NOTE

Cut = 35.2 (SF)
Fill = 127.8 (SF)
Unsuitable = 0.0 (SF)

NOTE:
FOR EARTHWORK AND GRADING BEYOND PROPOSED ROW (LT), SEE COMPENSATORY STORAGE BASIN GRADING PLAN.

106+00

PCC / BIT CE RT

PROP. PERM. EASE.

PROP. ROW

3:1

850.28

850.84 6%

851.10

32.00 850.46

2.5%

850.54

2.0%

1.6%

850.07

EXIST. ROW

EX. SIDEWALK EASE.

PROP. TEMP. EASE.

Cut = 34.4 (SF)
Fill = 114.1 (SF)
Unsuitable = 0.0 (SF)

105+70.70

BIT CE RT

850.98

32.00 850.34

2.5%

850.42

850.20

0.87%

EXIST. ROW

EX. SIDEWALK EASE.

PROP. TEMP. EASE.

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS	SHEET NO.
5348	STATE SECTION 05-00180-00-WR	DEKALB	140	118
CROSS SECTION STA. 107+00 TO STA. 107+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	

107+50

TAYLOR STREET / S. MALTA ROAD

-50.00 851.18 | -32.00 851.38 | 851.70 | 32.00 851.38 | 50.00 851.22

1.11% | 1.0% | 1.0% | 0.89%

Cut = 25.7 (SF)
Fill = 0.0 (SF)
Unsuitable = 0.0 (SF)

107+49.77

TAYLOR STREET / S. MALTA ROAD

-32.00 851.38 | 851.70 | 32.00 851.38

1.0% | 1.0%

107+00

850.78 | -32.00 850.94 | 851.50 | 32.00 850.94 | 850.95

1.90% | 1.76% | 1.76% | 1.76%

3:1

Cut = 33.8 (SF)
Fill = 94.3 (SF)
Unsuitable = 0.0 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	119
CROSS SECTION STA. 108+00 TO STA. 109+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

109+00

PROP. ROW

852.15 | 4:1 | 853.33 | 4:1 | -1.85% | 852.36 | 1.85% | 852.15 | 2.0% | 60.00 | 851.89 | 4:1 | 850.3 | 25:1 | EXIST. ROW

854.0 / 852.0 / 850.0

Cut = 36.2 (SF)
Fill = 168.1 (SF)
Unsuitable = 109.8 (SF)

108+50

PROP. ROW

851.49 | 4:1 | 852.67 | 4:1 | -0.61% | 852.10 | 1.00% | 32.00 | 851.78 | 852.12 | 2.0% | 61.05 | 851.64 | 3:1 | 850.0 | 0.1% | EXIST. ROW

852.0 / 850.0 / 848.0

Cut = 22.1 (SF)
Fill = 175.9 (SF)
Unsuitable = 115.2 (SF)

108+00

851.93 | 2.0% | 0.87% | -32.00 | 851.70 | 851.90 | 1.00% | 32.00 | 851.58 | 2.32% | 851.53 | 2.0% | 4:1

852.0 / 850.0 / 848.0

Cut = 6.9 (SF)
Fill = 161.8 (SF)
Unsuitable = 163.1 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

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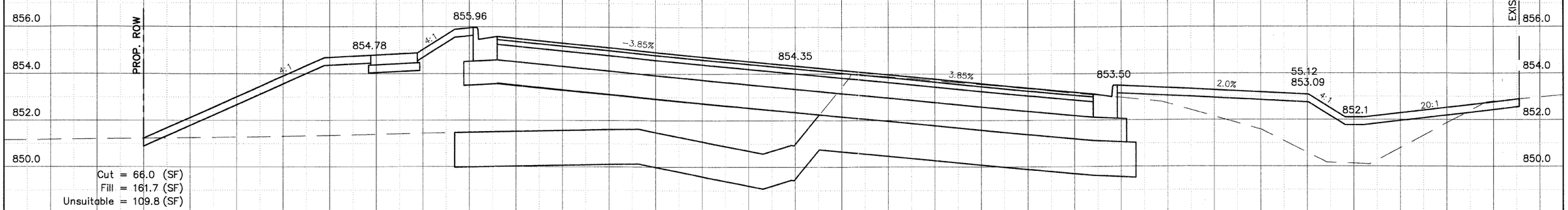
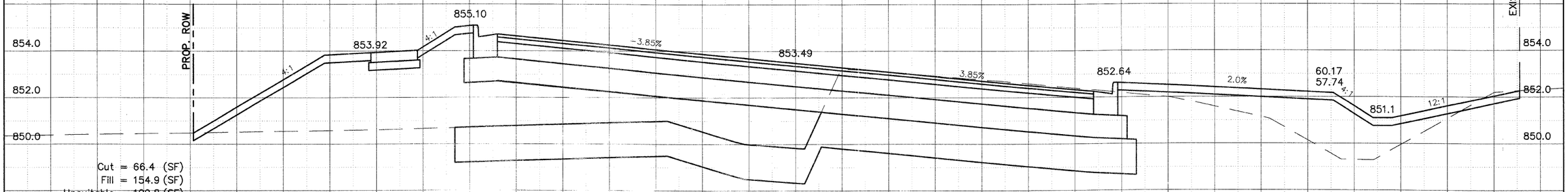
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	120
CROSS SECTION STA. 109+50 TO STA. 110+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

110+50



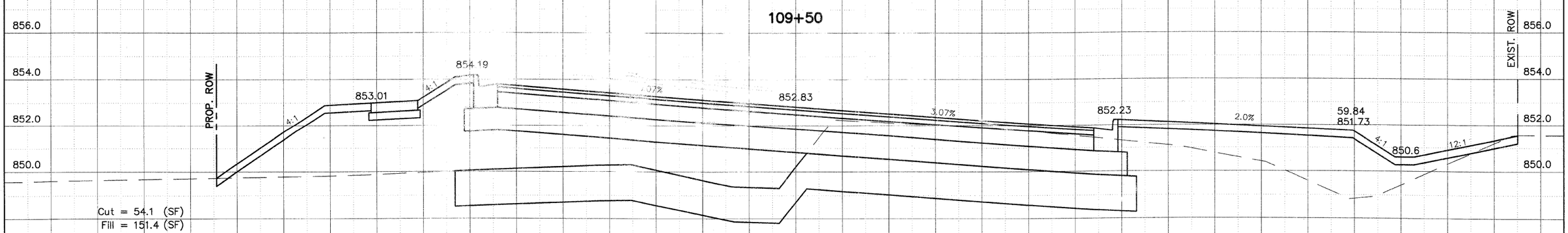
Cut = 66.0 (SF)
Fill = 161.7 (SF)
Unsuitable = 109.8 (SF)

110+00



Cut = 66.4 (SF)
Fill = 154.9 (SF)
Unsuitable = 109.8 (SF)

109+50



Cut = 54.1 (SF)
Fill = 151.4 (SF)
Unsuitable = 109.8 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

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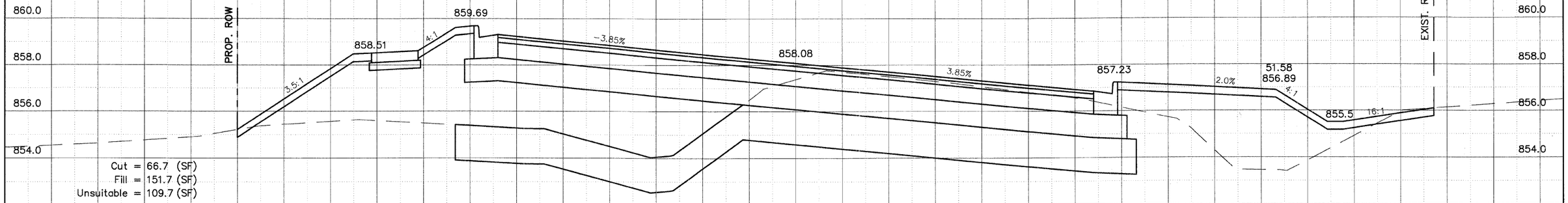
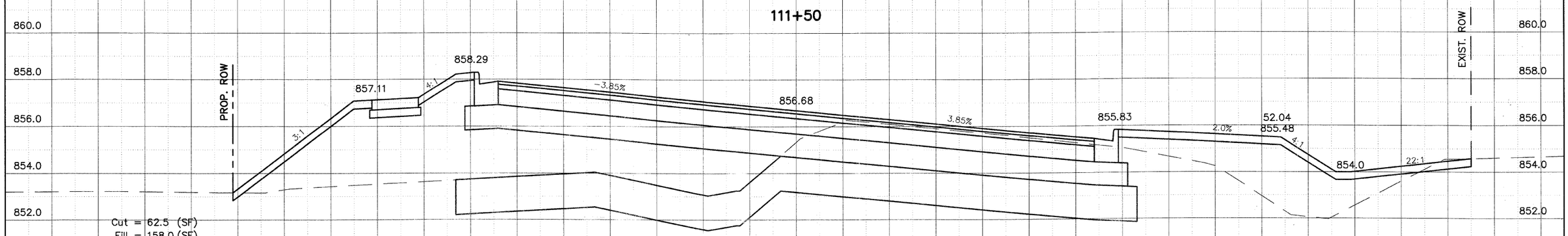
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	121
CROSS SECTION STA. 111+00 TO STA. 112+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

112+00



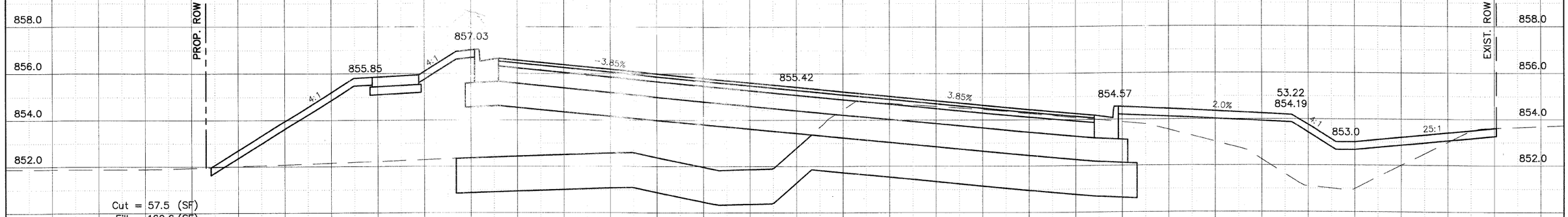
Cut = 66.7 (SF)
Fill = 151.7 (SF)
Unsuitable = 109.7 (SF)

111+50



Cut = 62.5 (SF)
Fill = 158.0 (SF)
Unsuitable = 109.8 (SF)

111+00



Cut = 57.5 (SF)
Fill = 169.6 (SF)
Unsuitable = 109.8 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

D:\LD 2004\03030167\DWG\ANNIE GLIDDEN XS.DWG

F.A.U. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHTS.	SHEET NO.
5348	87330	DEKALB	140	122
	STATE SECTION 05-00160-00-WR			
CROSS SECTION STA. 112+50 TO STA. 114+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

114+00

PROP. TEMP. EASE.
PROP. ROW
PROP. ROW

862.0
860.0

863.84
862.66
4:1
4:1
0.78%
863.71
1.50%
863.61
2.0%
4:1
861.9
5:1

Cut = 70.9 (SF)
Fill = 66.8 (SF)
Unsuitable = 109.6 (SF)

113+50

PROP. TEMP. EASE.
PROP. ROW
PROP. ROW

862.0
860.0

862.82
861.64
4:1
4:1
-0.44%
862.30
1.50%
862.20
2.0%
3:1
860.2
3:1

Cut = 63.3 (SF)
Fill = 79.7 (SF)
Unsuitable = 109.7 (SF)

113+00

PROP. ROW
PROP. ROW

860.0
858.0

861.80
860.62
4:1
3.5:1
-1.66%
860.89
1.66%
860.74
2.0%
10:1
858.40

Cut = 53.5 (SF)
Fill = 107.7 (SF)
Unsuitable = 109.6 (SF)

112+50

PROP. ROW
EXIST. ROW

860.0
858.0
856.0

860
859.61
4:1
4:1
-2.88%
859.49
2.88%
858.95
2%
51.58
(TYP.)
4:1
857.00
3.5:1

Cut = 63.1 (SF)
Fill = 139.5 (SF)
Unsuitable = 109.7 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

−80 −70 −60 −50 −40 −30 −20 −10 0 10 20 30 40 50 60 70 80

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	123
CROSS SECTION STA. 114+50 TO STA. 116+00				
F.H.W.A. REQ.5	ILLINOIS	PROJECT HPP-2295(001)		

116+00

EXIST. ROW — PROP. ROW — PROP. DRAINAGE EASE.

869.02 — 5.5% — 868.41 — 1.50% — 868.51 — 0.65% — 868.68 — 2.0% — 867.6 (4:1, 3:1)

Cut = 105.0 (SF)
Fill = 29.8 (SF)
Unsuitable = 76.7 (SF)

115+50

EXIST. ROW — PROP. ROW — PROP. DRAINAGE EASE.

867.03 — 3.75% — 867.36 — 1.50% — 867.46 — 1.50% — 867.36 — 2.0% — 866.2 (4:1, 6:1)

Cut = 71.3 (SF)
Fill = 34.0 (SF)
Unsuitable = 76.7 (SF)

115+00

EXIST. ROW — PROP. ROW — PROP. DRAINAGE EASE.

865.03 — 4:1 — 866.21 — 1.50% — 866.31 — 1.50% — 866.21 — 2.0% — 864.9 (4:1, 20:1)

Cut = 46.4 (SF)
Fill = 58.4 (SF)
Unsuitable = 76.7 (SF)

114+50

EXIST. ROW — PROP. ROW — PROP. DRAINAGE EASE.

863.78 — 4:1 — 864.96 — 1.50% — 865.06 — 1.50% — 864.96 — 2.0% — 862.9 (4:1, 24:1)

Cut = 44.8 (SF)
Fill = 61.8 (SF)
Unsuitable = 76.7 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

D:\LD 2004\03030767\DWG\ANNIE GLIDDEN XS.DWG

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00150-00-WR	DEKALB	140	124
CROSS SECTION STA. 116+50 TO STA. 117+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

117+50

COMMON LOT FOR CITY AND PUBLIC UTILITIES

EXIST. ROW

870.52

-34.00
869.98

-32.00
870.04

-1.86%

3.08%

871.03

-3.08%

20.00
871.65

2.0%

4:1

871.1

5.5:1

PROP. ROW

PROP. DRAINAGE EASE.

Cut = 152.9 (SF)
Fill = 31.9 (SF)
Unsuitable = 0.0 (SF)

117+00

EXIST. ROW

3:1

870.07

1.87%

870.29

-1.87%

871.27

2.0%

4:1

870.0

3.5:1

PROP. ROW

PROP. DRAINAGE EASE.

Cut = 90.7 (SF)
Fill = 36.3 (SF)
Unsuitable = 0.0 (SF)

116+50

EXIST. ROW

3:1

869.35

-0.50%

869.45

-0.61%

870.02

2.0%

4:1

868.9

3:1

PROP. ROW

PROP. DRAINAGE EASE.

Cut = 108.7 (SF)
Fill = 24.2 (SF)
Unsuitable = 76.7 (SF)

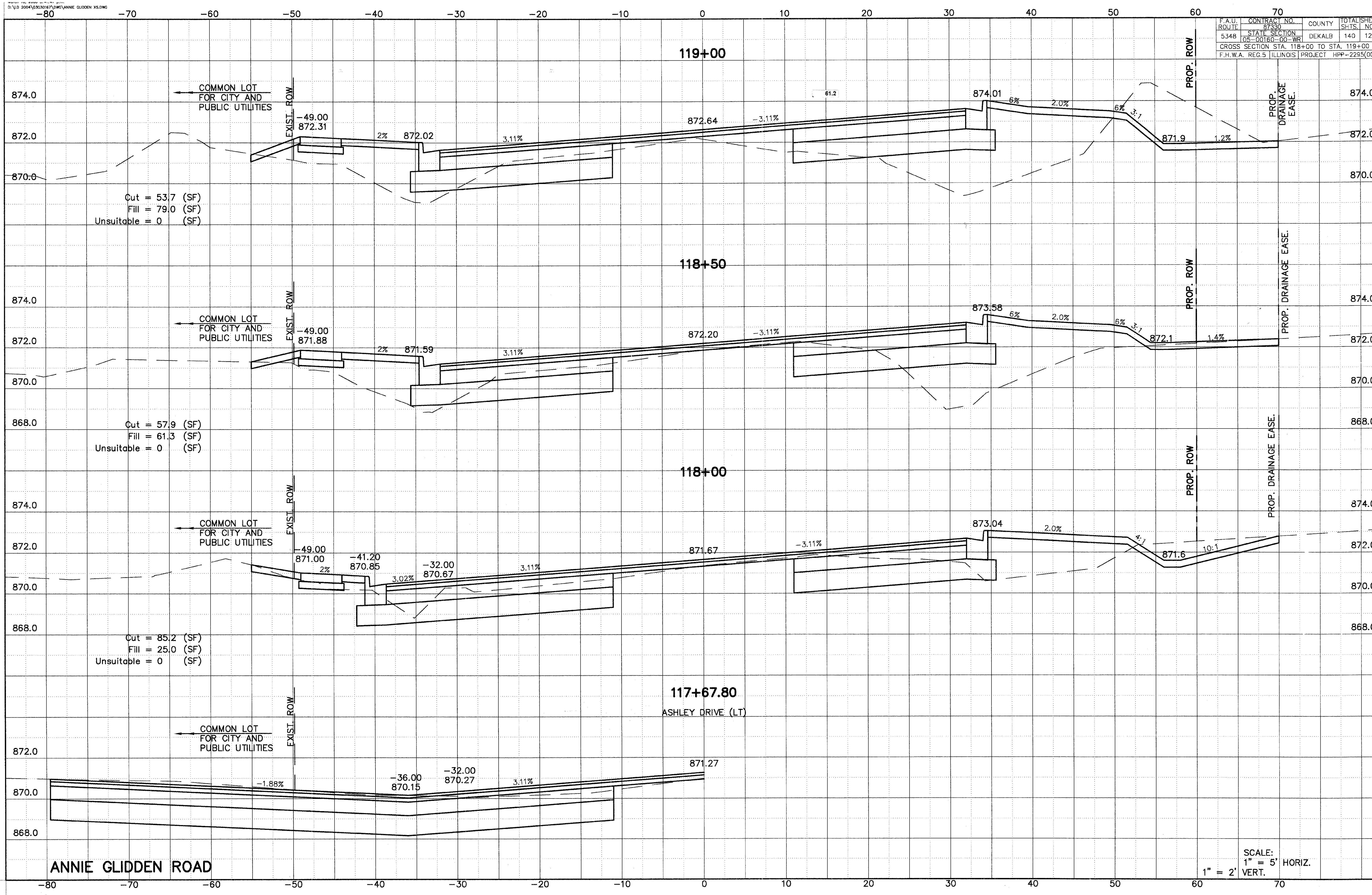
ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

874.0 872.0 870.0 868.0 866.0

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	125
CROSS SECTION STA. 118+00 TO STA. 119+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		



119+00
COMMON LOT FOR CITY AND PUBLIC UTILITIES
EXIST. ROW
PROP. ROW
PROP. DRAINAGE EASE.
-49.00 872.31
2% 872.02
3.11%
872.64
-3.11%
874.01
6% 2.0% 6% 3:1
871.9 1.2%
Cut = 53.7 (SF)
Fill = 79.0 (SF)
Unsuitable = 0 (SF)
118+50
-49.00 871.88
2% 871.59
872.20
873.58
872.1 1.4%
Cut = 57.9 (SF)
Fill = 61.3 (SF)
Unsuitable = 0 (SF)
118+00
-49.00 871.00
2%
-41.20 870.85
3.02%
-32.00 870.67
871.67
873.04
2.0% 4:1
871.6 10:1
Cut = 85.2 (SF)
Fill = 25.0 (SF)
Unsuitable = 0 (SF)
117+67.80
ASHLEY DRIVE (LT)
-1.88%
-36.00 870.15
-32.00 870.27
871.27
874.0
872.0
870.0
868.0
-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70
ANNIE GLIDDEN ROAD
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	126
CROSS SECTION STA. 119+50 TO STA. 120+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

120+50

EXIST. ROW

COMMON LOT FOR CITY AND PUBLIC UTILITIES

-49.00
873.04

2% 872.75

3.11%

873.37

-3.11%

874.74

6% 2.0% 6%

3:1

872.7

22:1

PROP. ROW

PROP. DRAINAGE EASE.

Cut = 38.8 (SF)
Fill = 79.1 (SF)
Unsuitable = 0 (SF)

6' FENCE (TYP)

120+00

EXIST. ROW

COMMON LOT FOR CITY AND PUBLIC UTILITIES

-49.00
872.86

2% 872.57

3.11%

873.19

-3.11%

874.57

6% 2.0% 6%

3:1

872.4

9:1

PROP. ROW

PROP. DRAINAGE EASE.

Cut = 38.2 (SF)
Fill = 78.3 (SF)
Unsuitable = 0 (SF)

119+50

EXIST. ROW

COMMON LOT FOR CITY AND PUBLIC UTILITIES

-49.00
872.64

2% 872.35

3.11%

872.96

-3.11%

874.34

6% 2.0% 6%

3:1

872.2

24:1

PROP. ROW

PROP. DRAINAGE EASE.

Cut = 39.8 (SF)
Fill = 90.9 (SF)
Unsuitable = 0 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

876.0
874.0
872.0
870.0

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

D:\LD 2004\03030167\DWG\ANNIE GLIDDEN XS.DWG

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	127
CROSS SECTION STA. 121+00 TO STA. 122+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

122+00

EXIST. ROW

-48.69
873.3

-34.58
873.28

3.11%

873.89

-3.11%

34.58
875.27

2%

49.00
875.56

30:1

EXIST. ROW

TEMP. CONST. EASE.

Cut = 53.6 (SF)
Fill = 24.8 (SF)
Unsuitable = 0 (SF)

121+50

EXIST. ROW

-49.00
873.10

-34.58
873.10

3.11%

873.72

-3.11%

34.58
875.09

6%

2.0%

49.00
874.62

6%

4:1

872.8

40:1

PROP. ROW

PROP. DRAINAGE EASE.

Cut = 47.7 (SF)
Fill = 42.9 (SF)
Unsuitable = 0 (SF)

121+00

6' FENCE (TYP)

COMMON LOT FOR CITY AND PUBLIC UTILITIES

10:1

EXIST. ROW

-49.00
873.10

1%

-34.58
872.93

3.11%

873.54

-3.11%

34.58
874.92

6%

2.0%

6%

13:1

PROP. ROW

PROP. DRAINAGE EASE.

Cut = 30.8 (SF)
Fill = 93.9 (SF)
Unsuitable = 0 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

D:\LD 2004\03030167\DWG\ANNIE GLIDDEN XS.DWG

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	128
GROSS SECTION STA. 122+50 TO STA. 123+09.3				
F.H.W.A. REG.5 ILLINOIS	PROJECT HPR-2295(001)			

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

878.0 876.0 874.0 872.0 870.0

123+09.30

℄ GOLF COURT

874.28

EXIST. ROW

TEMP. CONST. EASE.

VPI = -44.5
ELEV = 873.39
L = 25'
E = 0.18
K = 4.27

VPC = -57.00
ELEV = 872.41

VPT = -32.00
ELEV = 873.64

7.86%

2.00%

123+00

FOR VERTICAL CURVE INFORMATION (LT)
SEE XSEC STA. 123+09.30

FOR VERTICAL CURVE INFORMATION (LT)
SEE XSEC STA. 123+10.20

-57.00
872.39

-32.00
873.60

874.24

7.75%

2.00%

-1.53%

-32.00
874.73

-57.00
874.50

3.36%

Cut = 147.3 (SF)
Fill = 0 (SF)
Unsuitable = 161.7 (SF)

122+50

873.15

2%

-39.80
873.53

4.50%

-32.00
873.19

874.07

2.74%

-2.74%

34.58
875.33

1%

49.00
875.47

6%

4:1

EXIST. ROW

TEMP. CONST. EASE

Cut = 46.7 (SF)
Fill = 15.5 (SF)
Unsuitable = 54.8 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

D:\LD 2004\03030167\DWG\ANNIE GLIDDEN XS.DWG

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION C5-00160-00-WR	DEKALB	140	129
CROSS SECTION STA. 123+10.2 TO STA. 124+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT	HPP-2295(001)	

124+00

COMMON LOT FOR CITY AND PUBLIC UTILITIES

EXIST. ROW

-49.00 874.62 2%

874.33 2.00% 874.59 0.91% 874.68 2%

49.00 874.97

EXIST. ROW

TEMP. CONST. EASE.

Cut = 28.8 (SF)
Fill = 50.4 (SF)
Unsuitable = 46.7 (SF)

123+50

EXIST. ROW

COMMON LOT FOR CITY AND PUBLIC UTILITIES

-49.00 874.05 2%

-41.29 873.90 4.0%

-32.00 873.78 2.00% 874.42 -0.31%

32.00 874.52 40.34 874.67 2%

EXIST. ROW

Cut = 54.8 (SF)
Fill = 7.8 (SF)
Unsuitable = 66.2 (SF)

123+10.20

℄ HIGHPOINTE DRIVE

874.28 -1.28%

VPT = 32.00
ELEV = 874.69

VPI = -44.5
ELEV = 874.85
L = 25'
E = 0.11
K = 6.94

VPC = 57.00
ELEV = 874.56

2.32%

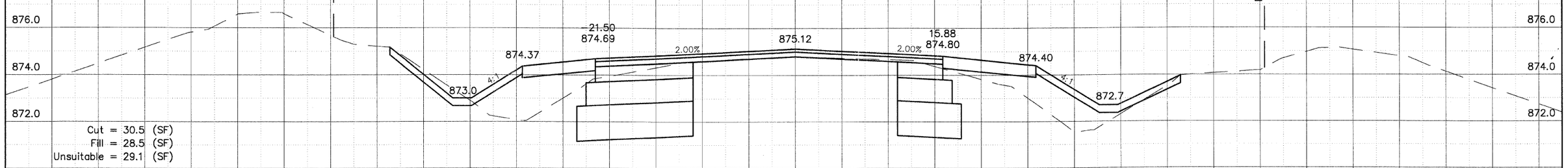
ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

D:\LD 2004\03030167\DWG\ANNIE GLIDDEN XS.DWG

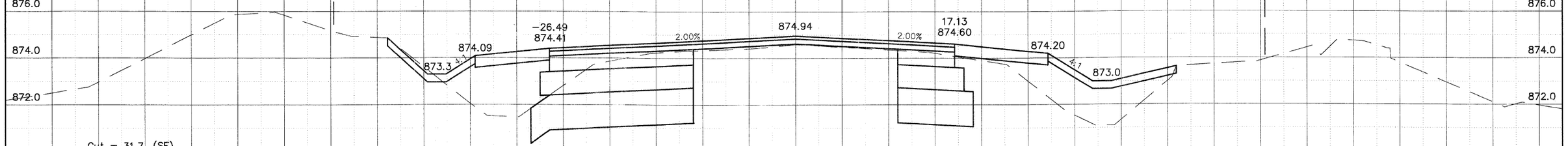
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	130
CROSS SECTION STA. 124+50 TO STA. 125+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

125+50



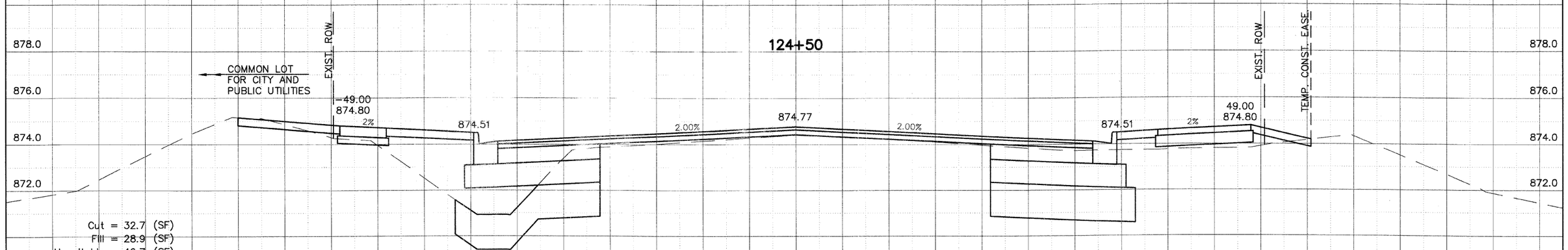
Cut = 30.5 (SF)
Fill = 28.5 (SF)
Unsuitable = 29.1 (SF)

125+00



Cut = 31.7 (SF)
Fill = 38.8 (SF)
Unsuitable = 38.4 (SF)

124+50



Cut = 32.7 (SF)
Fill = 28.9 (SF)
Unsuitable = 46.7 (SF)

ANNIE GLIDDEN ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

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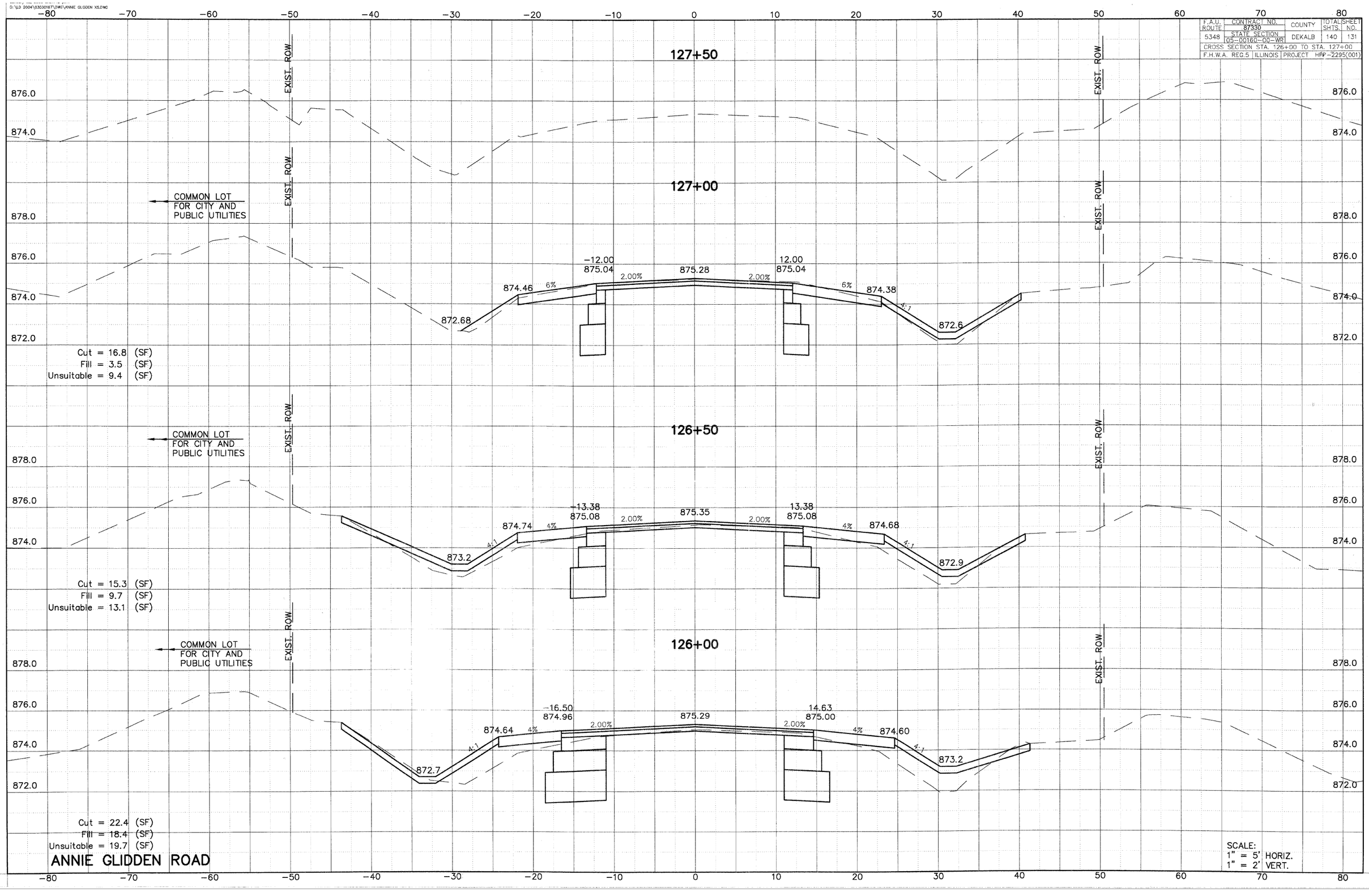
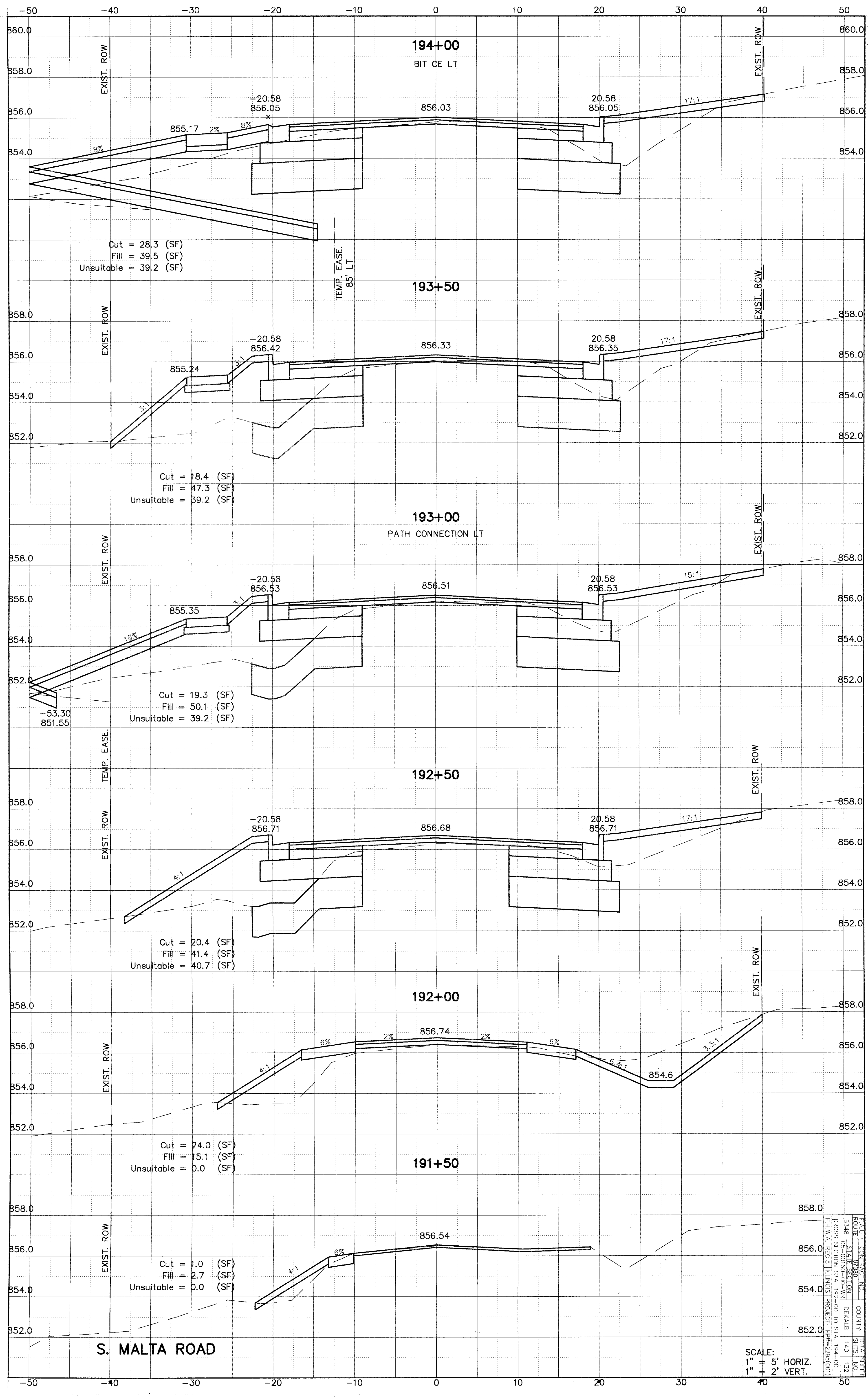
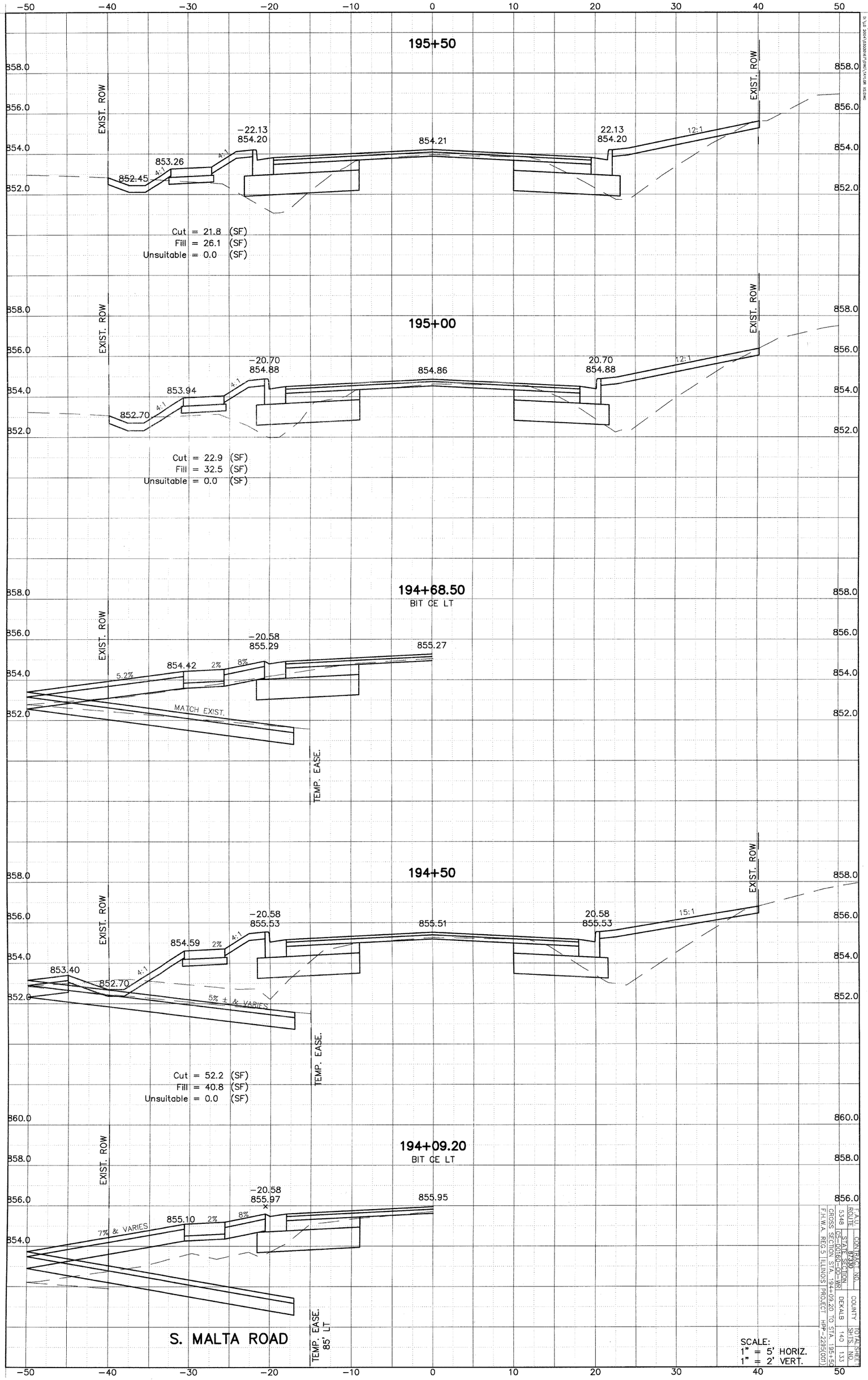
F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	131
CROSS SECTION STA. 126+00 TO STA. 127+00				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		




194+00
BIT CE LT
EXIST. ROW
-20.58
856.05
856.03
20.58
856.05
17:1
855.17
2%
8%
8%
Cut = 28.3 (SF)
Fill = 39.5 (SF)
Unsuitable = 39.2 (SF)
TEMP. EASE.
85' LT
193+50
EXIST. ROW
-20.58
856.42
856.33
20.58
856.35
17:1
855.24
3:1
3:1
Cut = 18.4 (SF)
Fill = 47.3 (SF)
Unsuitable = 39.2 (SF)
193+00
PATH CONNECTION LT
EXIST. ROW
-20.58
856.53
856.51
20.58
856.53
15:1
855.35
3:1
16%
-53.30
851.55
Cut = 19.3 (SF)
Fill = 50.1 (SF)
Unsuitable = 39.2 (SF)
TEMP. EASE.
192+50
EXIST. ROW
-20.58
856.71
856.68
20.58
856.71
17:1
4:1
Cut = 20.4 (SF)
Fill = 41.4 (SF)
Unsuitable = 40.7 (SF)
192+00
EXIST. ROW
856.74
2%
2%
6%
6%
4:1
6.4:1
3.3:1
854.6
Cut = 24.0 (SF)
Fill = 15.1 (SF)
Unsuitable = 0.0 (SF)
191+50
EXIST. ROW
856.54
6%
4:1
Cut = 1.0 (SF)
Fill = 2.7 (SF)
Unsuitable = 0.0 (SF)
S. MALTA ROAD
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.
F.A.U. ROUTE
5348
CONTRACT NO. 87330
STATE SECTION
(05-00160-00-WR)
COUNTY
DEKALB
TOTAL SHTS.
140
SHEET NO.
132
CROSS SECTION STA. 192+00 TO STA. 194+00
F.H.W.A. REG.5 ILLINOIS PROJECT HPP-2295(001)

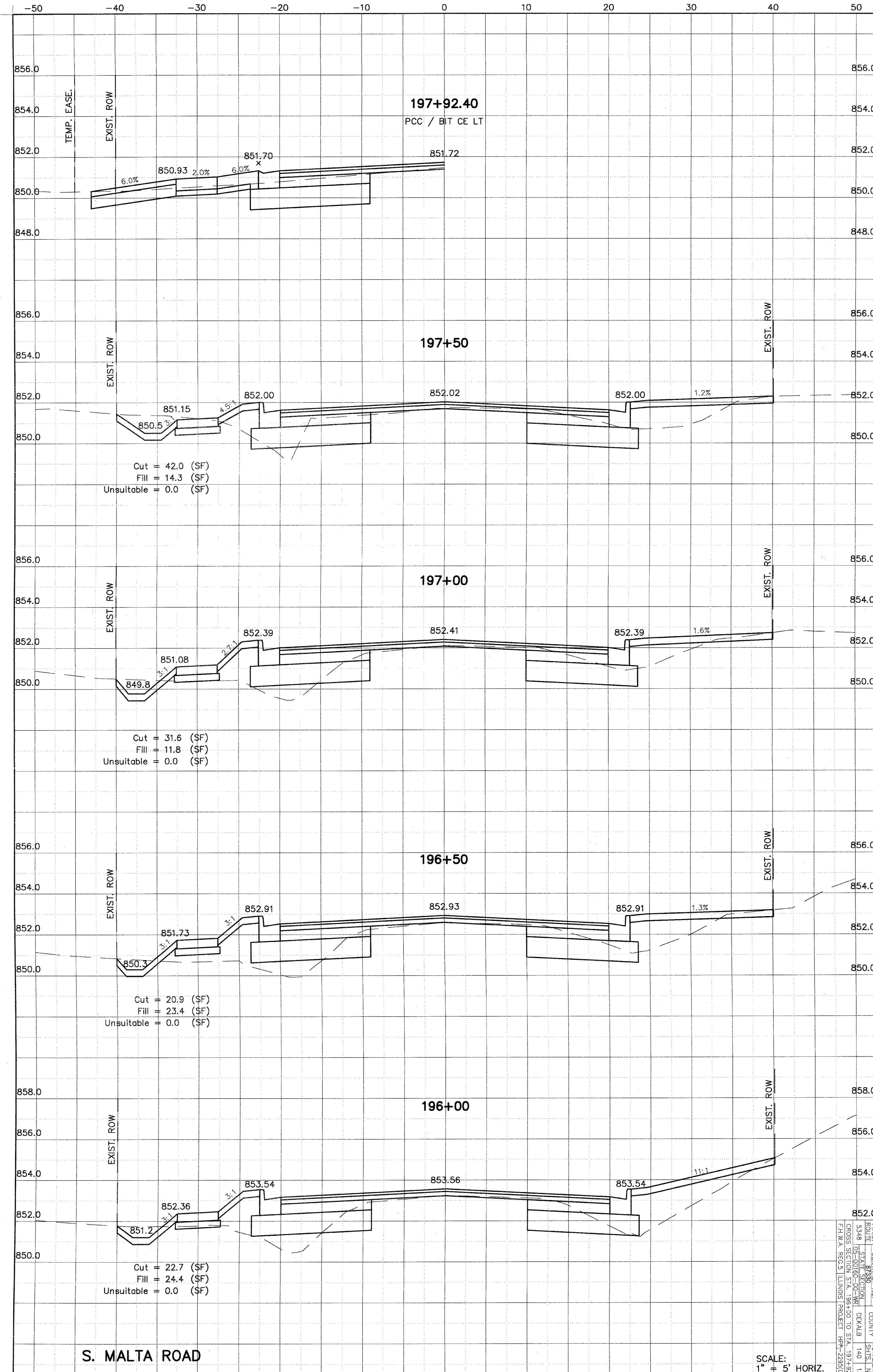


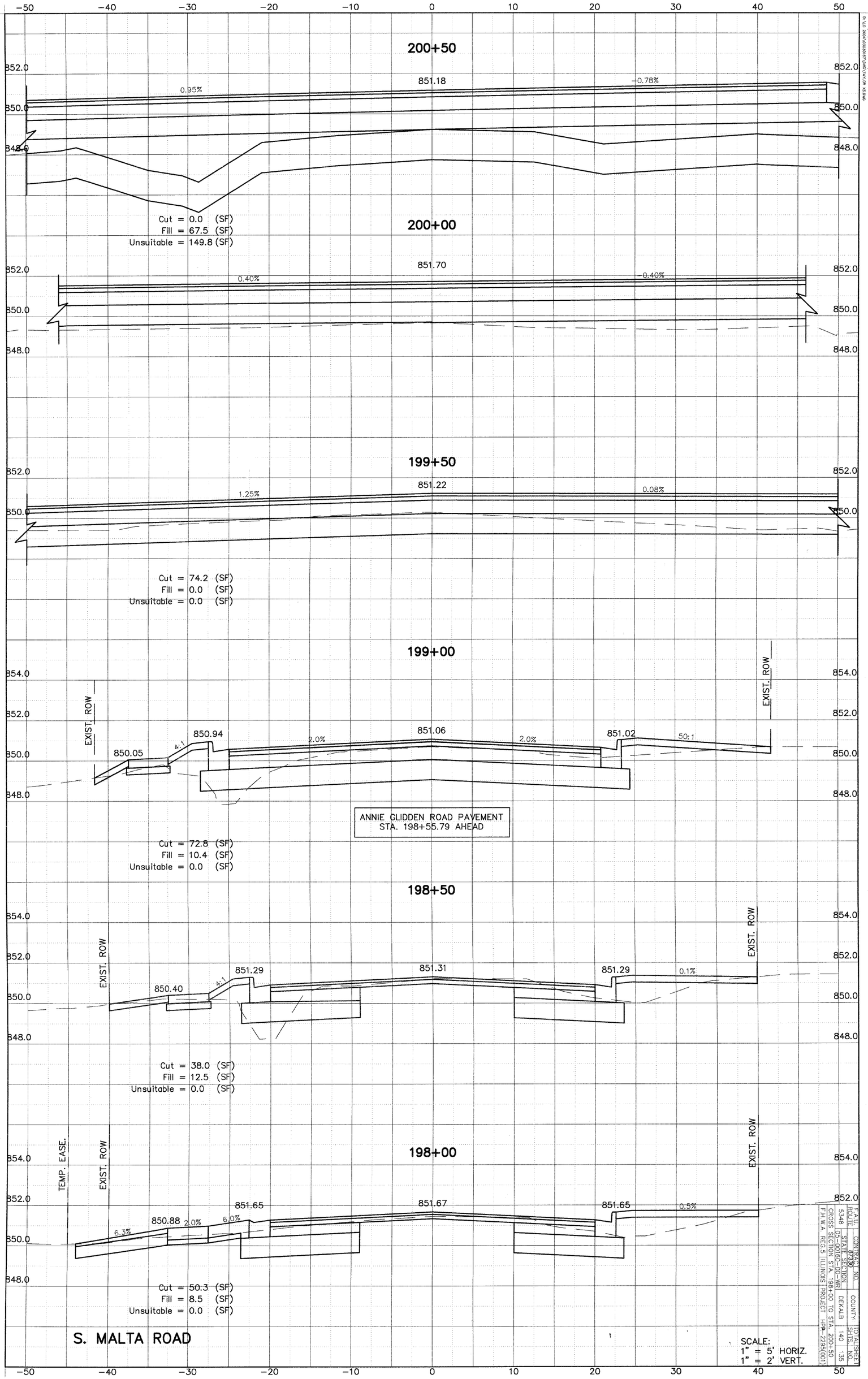
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

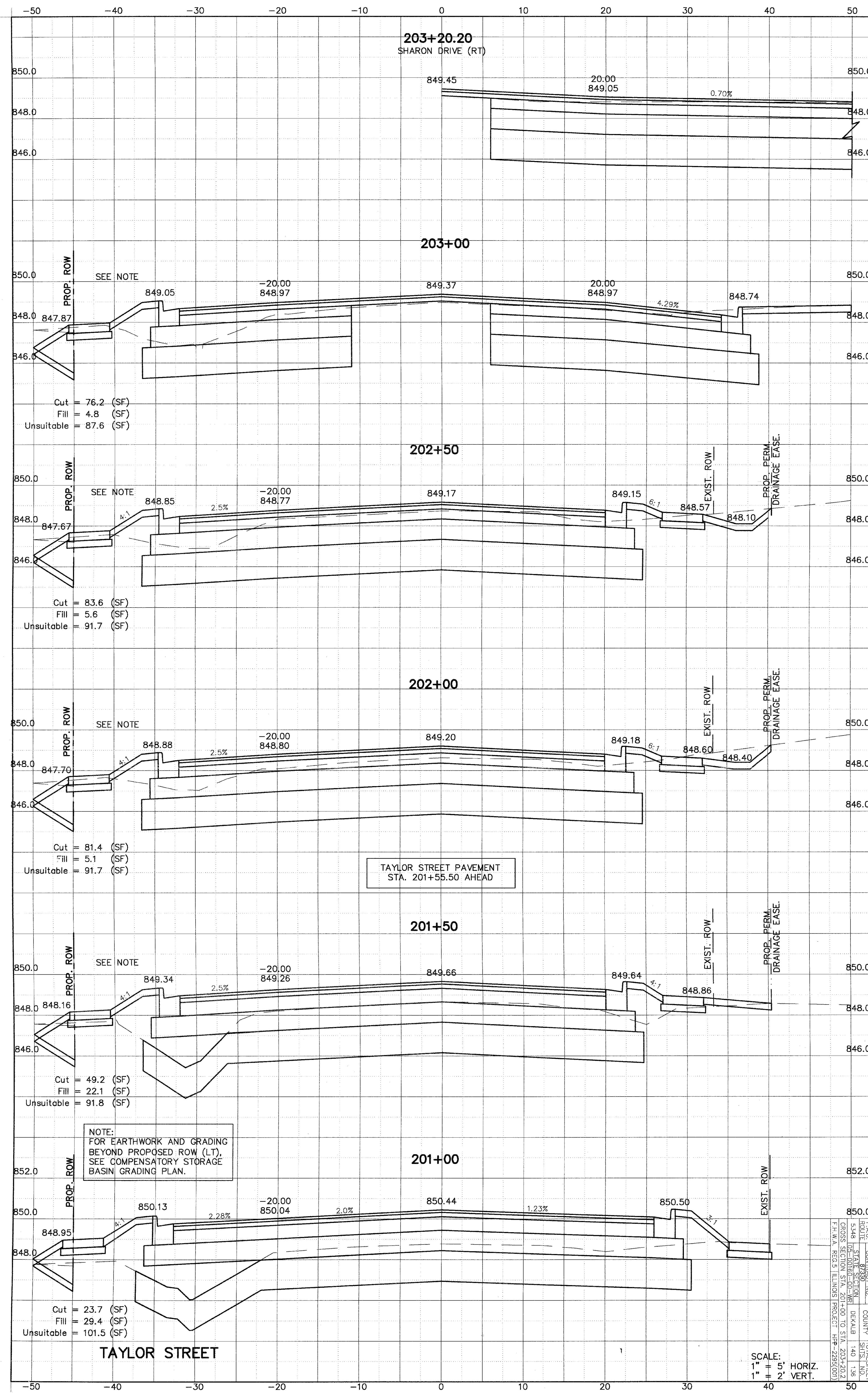
F.A.U. ROUTE	SECTION	CONTRACT NO.
5348	09-00160-00-RS	87930

COUNTY	TOTAL SHEETS	SHEET NO.
DEKALB	140	133

CROSS SECTION STA. 194+09.20 TO STA. 195+50
F.H.W.A. REG. 5 ILLINOIS PROJECT HPP-229(001)


197+92.40
PCC / BIT CE LT
TEMP. EASE.
EXIST. ROW
851.72
851.70
850.93
6.0%
2.0%
6.0%
197+50
EXIST. ROW
852.02
852.00
852.00
851.15
850.5
1.2%
4.5:1
3:1
Cut = 42.0 (SF)
Fill = 14.3 (SF)
Unsuitable = 0.0 (SF)
197+00
EXIST. ROW
852.41
852.39
852.39
851.08
849.8
1.6%
2.7:1
3:1
Cut = 31.6 (SF)
Fill = 11.8 (SF)
Unsuitable = 0.0 (SF)
196+50
EXIST. ROW
852.93
852.91
852.91
851.73
850.3
1.3%
3:1
Cut = 20.9 (SF)
Fill = 23.4 (SF)
Unsuitable = 0.0 (SF)
196+00
EXIST. ROW
853.56
853.54
853.54
852.36
851.2
11:1
3:1
Cut = 22.7 (SF)
Fill = 24.4 (SF)
Unsuitable = 0.0 (SF)
S. MALTA ROAD
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.
F.A.U. ROUTE 5348
CONTRACT NO. 87330
STATE SECTION 05-00160-00-WR
COUNTY DEKALB
TOTAL SHTS. 140
SHEET NO. 134
CROSS SECTION STA. 196+00 TO STA. 197+92.40
F.H.W.A. REG.5 ILLINOIS PROJECT HPP-2295(001)


-50 -40 -30 -20 -10 0 10 20 30 40 50
200+50
852.0
850.0
848.0
851.18
0.95%
-0.78%
Cut = 0.0 (SF)
Fill = 67.5 (SF)
Unsuitable = 149.8 (SF)
200+00
851.70
0.40%
-0.40%
199+50
851.22
1.25%
0.08%
Cut = 74.2 (SF)
Fill = 0.0 (SF)
Unsuitable = 0.0 (SF)
199+00
854.0
852.0
850.0
848.0
EXIST. ROW
850.05
4:1
850.94
2.0%
851.06
2.0%
851.02
50:1
ANNIE GLIDDEN ROAD PAVEMENT
STA. 198+55.79 AHEAD
Cut = 72.8 (SF)
Fill = 10.4 (SF)
Unsuitable = 0.0 (SF)
198+50
850.40
851.29
851.31
851.29
0.1%
Cut = 38.0 (SF)
Fill = 12.5 (SF)
Unsuitable = 0.0 (SF)
198+00
TEMP. EASE.
850.88
6.3%
2.0%
6.0%
851.65
851.67
851.65
0.5%
Cut = 50.3 (SF)
Fill = 8.5 (SF)
Unsuitable = 0.0 (SF)
S. MALTA ROAD
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.
F.A.U. 5348
SECTION 05-00160-00-WR
COUNTY DEKALB
CONTRACT NO. 78930
TOTAL SHEETS 140
SHEET NO. 135
CROSS SECTION STA. 198+00 TO STA. 200+50
F.H.W.A. REG. 5 ILLINOIS PROJECT HPP-2295(001)

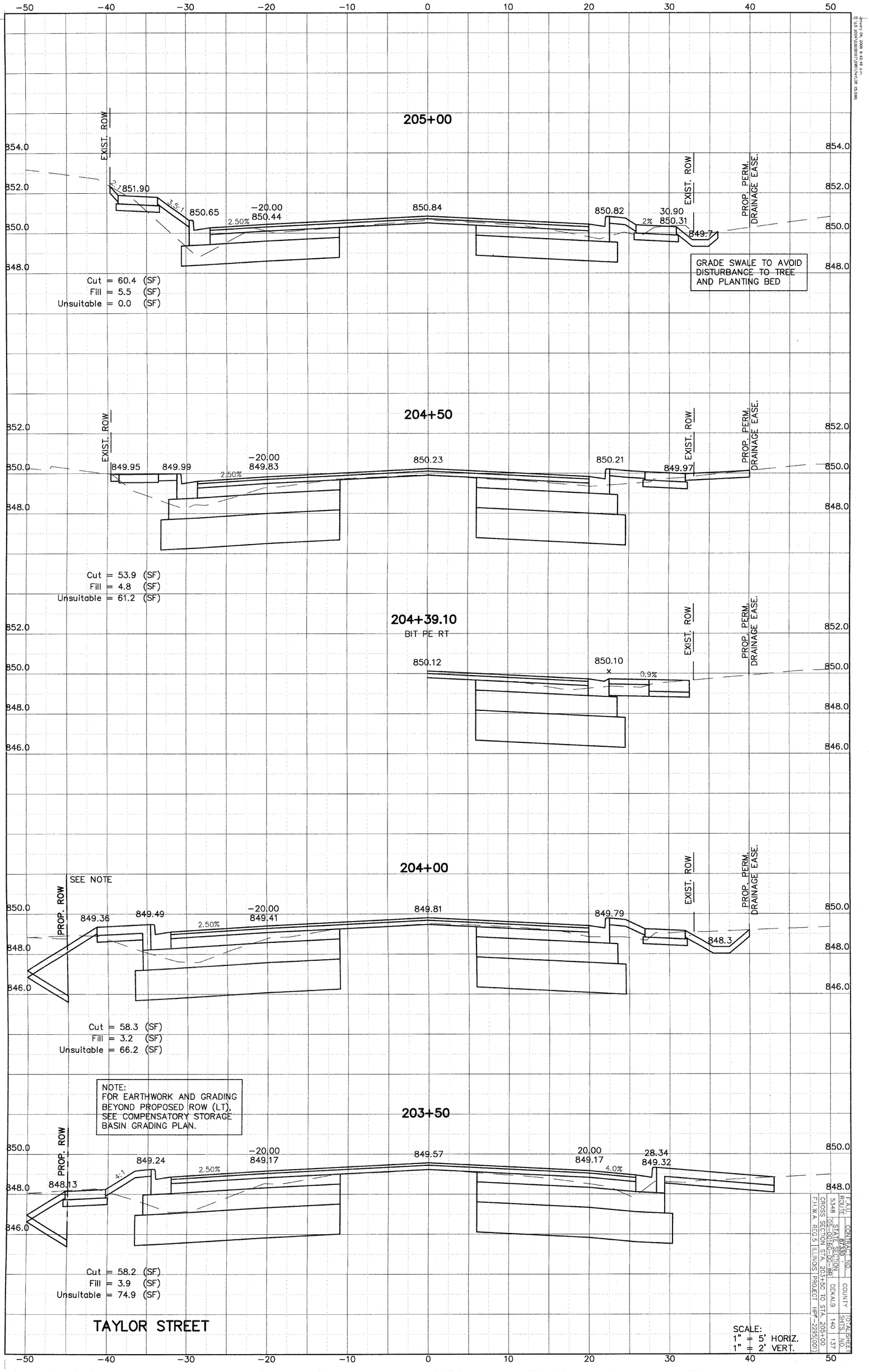

203+20.20
SHARON DRIVE (RT)
849.45
20.00
849.05
0.70%
203+00
PROP. ROW
SEE NOTE
849.05
847.87
-20.00
848.97
849.37
20.00
848.97
4.29%
848.74
Cut = 76.2 (SF)
Fill = 4.8 (SF)
Unsuitable = 87.6 (SF)
202+50
PROP. ROW
SEE NOTE
848.85
847.67
4:1
2.5%
-20.00
848.77
849.17
849.15
6:1
848.57
EXIST. ROW
848.10
PROP. PERM. DRAINAGE EASE.
Cut = 83.6 (SF)
Fill = 5.6 (SF)
Unsuitable = 91.7 (SF)
202+00
PROP. ROW
SEE NOTE
848.88
847.70
4:1
2.5%
-20.00
848.80
849.20
849.18
6:1
848.60
EXIST. ROW
848.40
PROP. PERM. DRAINAGE EASE.
Cut = 81.4 (SF)
Fill = 5.1 (SF)
Unsuitable = 91.7 (SF)
TAYLOR STREET PAVEMENT
STA. 201+55.50 AHEAD
201+50
PROP. ROW
SEE NOTE
849.34
848.16
4:1
2.5%
-20.00
849.26
849.66
849.64
4:1
848.86
EXIST. ROW
PROP. PERM. DRAINAGE EASE.
Cut = 49.2 (SF)
Fill = 22.1 (SF)
Unsuitable = 91.8 (SF)
201+00
PROP. ROW
850.13
848.95
4:1
2.28%
-20.00
850.04
2.0%
850.44
1.23%
850.50
3:1
EXIST. ROW
Cut = 23.7 (SF)
Fill = 29.4 (SF)
Unsuitable = 101.5 (SF)
-50
-40
-30
-20
-10
0
10
20
30
40
50
852.0
850.0
848.0
846.0

NOTE:
FOR EARTHWORK AND GRADING BEYOND PROPOSED ROW (LT), SEE COMPENSATORY STORAGE BASIN GRADING PLAN.

TAYLOR STREET

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	136
CROSS SECTION STA. 201+00 TO STA. 203+20.2				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		


205+00
EXIST. ROW
854.0
852.0
850.0
848.0
851.90
3.5:1
850.65
2.50%
-20.00
850.44
850.84
850.82
30.90
2%
850.31
849.7
EXIST. ROW
PROP. PERM. DRAINAGE EASE.
GRADE SWALE TO AVOID DISTURBANCE TO TREE AND PLANTING BED
Cut = 60.4 (SF)
Fill = 5.5 (SF)
Unsuitable = 0.0 (SF)
204+50
EXIST. ROW
852.0
850.0
848.0
849.95
849.99
2.50%
-20.00
849.83
850.23
850.21
849.97
EXIST. ROW
PROP. PERM. DRAINAGE EASE.
Cut = 53.9 (SF)
Fill = 4.8 (SF)
Unsuitable = 61.2 (SF)
204+39.10
BIT PE RT
852.0
850.0
848.0
846.0
850.12
850.10
0.9%
EXIST. ROW
PROP. PERM. DRAINAGE EASE.
204+00
SEE NOTE
PROP. ROW
850.0
848.0
846.0
849.36
849.49
2.50%
-20.00
849.41
849.81
849.79
848.3
EXIST. ROW
PROP. PERM. DRAINAGE EASE.
Cut = 58.3 (SF)
Fill = 3.2 (SF)
Unsuitable = 66.2 (SF)
NOTE:
FOR EARTHWORK AND GRADING BEYOND PROPOSED ROW (LT), SEE COMPENSATORY STORAGE BASIN GRADING PLAN.
203+50
PROP. ROW
850.0
848.0
846.0
849.24
4:1
848.13
2.50%
-20.00
849.17
849.57
20.00
849.17
4.0%
28.34
849.32
Cut = 58.2 (SF)
Fill = 3.9 (SF)
Unsuitable = 74.9 (SF)
TAYLOR STREET
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.
F.A.U. ROUTE 5348
SECTION 09-00160-00-WR
CROSS SECTION STA. 203+50 TO STA. 205+00
F.H.W.A. REG. 5 ILLINOIS PROJECT HPP-2295(001)
CONTRACT NO.
COUNTY DEKALB
SHTS. NO. 140 137
TOTAL SHEET NO.

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F.A.U. ROUTE	CONTRACT NO. 67330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	138
CROSS SECTION STA. 205+16.8 TO STA. 206+38.5				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

TAYLOR STREET

206+38.50
BIT PE RT

EXIST. ROW
PROP. PERM. DRAINAGE EASE.
0.65%
853.34
853.32

206+00

EXIST. ROW
PROP. PERM. DRAINAGE EASE.
851.7
852.32
852.62
852.62
-18.83
852.24
2.50%
852.45
3.5:1
853.54
EXIST. ROW

Cut = 59.7 (SF)
Fill = 7.4 (SF)
Unsuitable = 0.0 (SF)

205+56.80
BIT PE RT

EXIST. ROW
PROP. PERM. DRAINAGE EASE.
1.93%
22.58
851.74
851.76

205+50

EXIST. ROW
PROP. PERM. DRAINAGE EASE.
0.04%
851.62
851.64
-20.00
851.24
2.50%
851.45
3:1
852.33
EXIST. ROW

Cut = 56.9 (SF)
Fill = 2.4 (SF)
Unsuitable = 0.0 (SF)

205+16.80
BIT PE LT

851.09
-20.00
850.69
2.50%
-29.58
850.90
10.0%
TEMP. EASE.
EXIST. ROW
10.3%
2.0%
851.02

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	139
CROSS SECTION STA. 206+47.9 TO STA. 207+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPR-2295(001)		

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

207+50

PROP. PERM. DRAINAGE EASE.
EXIST. ROW
2.0%
4.1
853.73
853.64
-15.00
853.34
2.5%
-24.97
853.55
854.34
EXIST. ROW
Cut = 41.6 (SF)
Fill = 14.5 (SF)
Unsuitable = 0.0 (SF)

207+00

PROP. PERM. DRAINAGE EASE.
EXIST. ROW
2.0%
4.1
853.87
853.81
-15.97
853.49
2.5%
-25.57
853.70
854.79
EXIST. ROW
Cut = 47.0 (SF)
Fill = 8.9 (SF)
Unsuitable = 0.0 (SF)

206+57.50
BIT PE RT

PROP. PERM. DRAINAGE EASE.
EXIST. ROW
0.13%
853.59
853.55

206+50

PROP. PERM. DRAINAGE EASE.
EXIST. ROW
0.47%
853.50
853.47
-17.40
853.12
2.5%
-26.98
853.33
10.0%
2.0%
853.72
9.0%
9.0%
TEMP. EASE.
EXIST. ROW
Cut = 99.5 (SF)
Fill = 0.0 (SF)
Unsuitable = 0.0 (SF)

206+47.90
BIT PE LT

853.44
-17.46
853.09
2.5%
-27.04
853.30
10.0%
2.0%
853.68
9.3%
9.3%
TEMP. EASE.
EXIST. ROW

TAYLOR STREET

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F.A.U. ROUTE	CONTRACT NO. 87330	COUNTY	TOTAL SHTS.	SHEET NO.
5348	STATE SECTION 05-00160-00-WR	DEKALB	140	140
CROSS SECTION STA. 207+91 TO STA. 208+40				
F.H.W.A. REG.5	ILLINOIS	PROJECT HPP-2295(001)		

SCALE: 1" = 5' HORIZ.
1" = 2' VERT.

208+50

EXIST. ROW
MATCH EXIST. DITCH GRADES
2.0%
851.91
851.83
Cut = 26.4 (SF)
Fill = 1.3 (SF)
Unsuitable = 0.0 (SF)
EXIST. ROW

208+16.10
BIT ℄ LT

2.2%
852.63
852.16
EXIST. ROW

208+15.40
BIT ℄ RT

EXIST. ROW
2.0%
2.2%
852.35
852.65
PROP. PERM. DRAINAGE EASE.

208+00

EXIST. ROW
2.0%
4.3%
853.04
852.96
PROP. PERM. DRAINAGE EASE.
Cut = 77.1 (SF)
Fill = 0.0 (SF)
Unsuitable = 0.0 (SF)
EXIST. ROW

207+91
BIT ℄ RT

EXIST. ROW
2.0%
4.8%
853.20
853.12
PROP. PERM. DRAINAGE EASE.

TAYLOR STREET