

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
NORTHERN ILLINOIS UNIVERSITY
WEST ACCESS EXTENSION

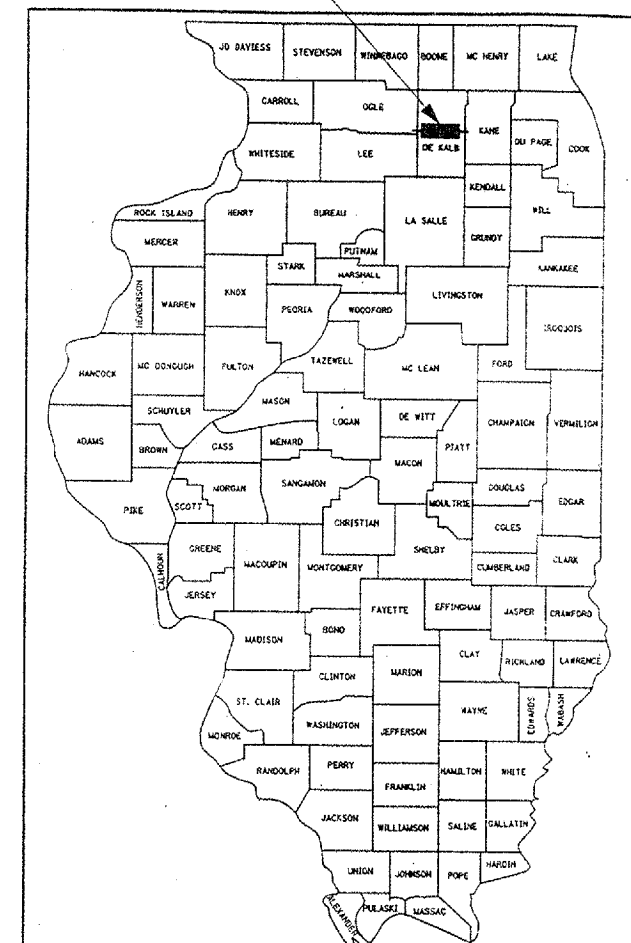
SECTION 05-00001-01-PV
PROJECT HD-HPP-0623 (023)
DEKALB COUNTY
JOB NO. C-93-054-06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	1

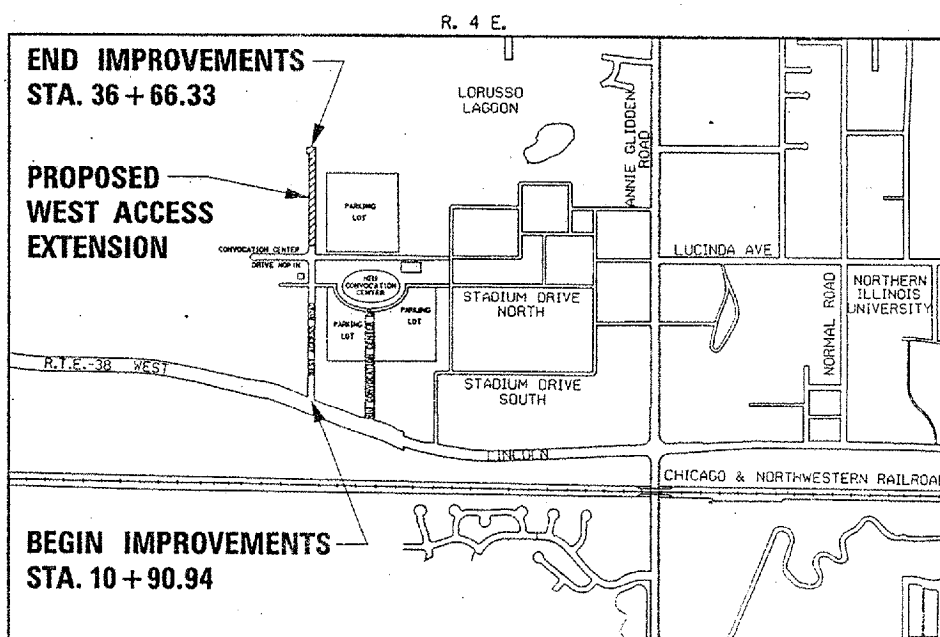
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- HIGHWAY STANDARDS**
- 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
 - 424001-04 CURB RAMPS FOR SIDEWALKS
 - 602301-01 INLET, TYPE A
 - 602306-01 INLET, TYPE B
 - 602401-01 MANHOLE, TYPE A
 - 602406-02 MANHOLE TYPE A, 72" DIAMETER
 - 602501 VALVE VAULT TYPE A
 - 602701-01 MANHOLE STEPS
 - 604001-02 FRAME AND LIDS, TYPE 1
 - 604006-02 FRAME AND GRATE, TYPE 3
 - 606001-02 COMBINATION CONCRETE CURB AND GUTTER
 - 701601-04 URBAN LANE CLOSURE, MULTILANE 1W OR 2W, WITH NTM
 - 701701-04 URBAN LANE CLOSURE, MULTILANE INTERSECTION
 - 702001-06 TRAFFIC CONTROL DEVICES
 - 720001 SIGN PANEL MOUNTING DETAILS
 - 720006 SIGN PANEL ERECTION DETAILS
 - 780001-01 TYPICAL PAVEMENT MARKINGS
 - BLR 21-6 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

PROJECT LOCATION

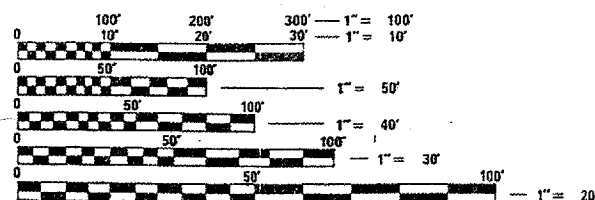


LOCATION OF SECTION INDICATED THUS: - [black box] -



PROPOSED IMPROVEMENTS:
CONSTRUCTION OF A NEW ROADWAY ON A NEW ALIGNMENT NORTH OF THE EXISTING TERMINUS OF WEST ACCESS ROAD; SANITARY SEWER; WATER MAIN; NEW DETENTION BASIN; STORM SEWER FOR BASIN, ROADWAY, AND CONNECTION TO LORUSSO LAGOON; ROADWAY LIGHTING; AND LANDSCAPING. LENGTH OF NEW ROADWAY PORTION IS APPROXIMATELY 1100 FEET.

TRAFFIC DATA:
FUNCTIONAL CLASSIFICATION: LOCAL CAMPUS ROADWAY
CURRENT ADT : < 50
2026 ADT : 2695
DESIGN SPEED : 30 MPH
POSTED SPEED : 20 MPH



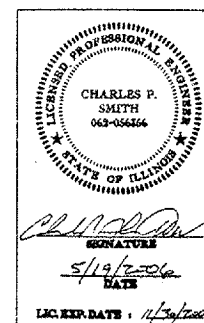
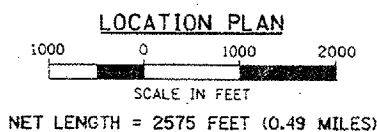
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.J.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-832-0123

CONTRACT NO. 87319

UTILITY NOTE

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED AMONG THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS, ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



ILLINOIS DESIGN FIRM
LICENSE NO: 184-001-084

APPROVED: *[Signature]* 2006
LOCAL AGENCY OFFICIAL

PASSED: *[Signature]* June 07 20 06
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

APPROVED: *[Signature]* June 07 20 06
DEPUTY DIRECTOR REGION 2 ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE 1000-2A

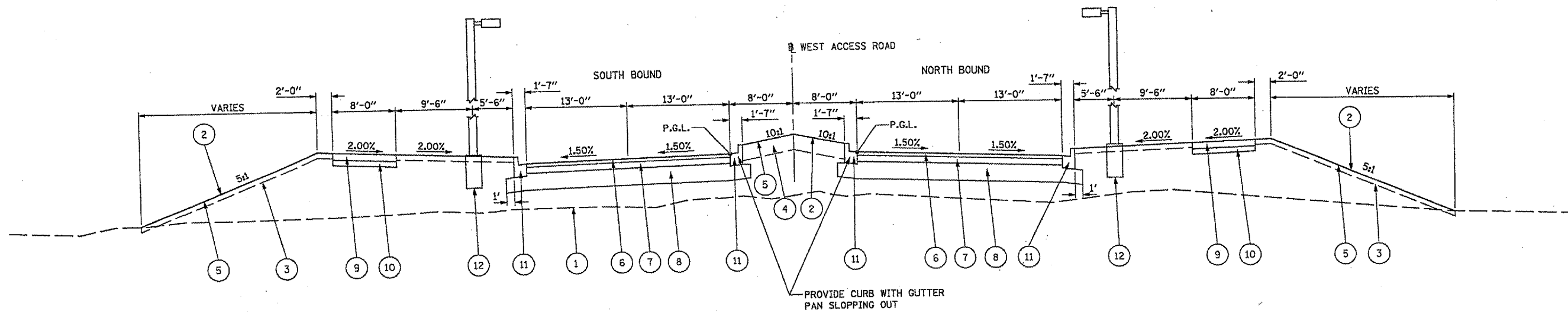
CODED PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	99
20200100	EARTH EXCAVATION	CU YD	56868
20201400	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	5013
20800150	TRENCH BACKFILL	CU YD	4282
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	5069
25000100	SEEDING, CLASS 1	ACRE	6.4
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	792
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	792
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	792
25100630	EROSION CONTROL BLANKET	SQ YD	8607
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	480
28000400	PERIMETER EROSION BARRIER	FOOT	4810
28000500	INLET AND PIPE PROTECTION	EACH	10
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	77
35101400	AGGREGATE BASE COURSE, TYPE B	TON	406
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2739
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	18746
42400800	DETECTABLE WARNINGS	SQ FT	144
44000100	PAVEMENT REMOVAL	SQ YD	17.3
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	77
54209889	PIPE CULVERTS, TYPE 2, REINFORCED CONCRETE - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	FOOT	327
54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	2
56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1193
56105200	WATER VALVES 12"	EACH	3
56400710	FIRE HYDRANT AND VALVE (SPECIAL)	EACH	4
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	2
60228100	MANHOLE SANITARY, TYPE 1 FRAME, CLOSED LID	EACH	5
60228300	DROP SANITARY MANHOLES, WITH TYPE 1 FRAME, CLOSED LID	EACH	1
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	3
60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	5
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	1
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4415
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5.5
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	31.25
72000200	SIGN PANEL - TYPE 2	SQ FT	20
73000100	WOOD SIGN SUPPORT	FOOT	156
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1165
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	333
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	292
80600200	GROUNDING ELECTRODE BELOW GRADE	EACH	20
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	2074
81018300	CONDUIT PUSHED, 1 1/4" DIA., GALVANIZED STEEL	FOOT	72
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2074
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, NO. 6	FOOT	12080
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, NO. 4	FOOT	1820
83600100	LIGHT POLE FOUNDATION	EACH	20
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	590
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	170

* INDICATES PAY ITEM COVERED BY SPECIAL PROVISION

CODED PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	315
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	240
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	540
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	2472
550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	167
A2000116	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	15
A2003116	TREE, CELTIS OCCIDENTALIS WINDY CITY (WINDY CITY HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	10
A2004716	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	14
A2005416	TREE, LIRIODENDRON TULIPIFERA (TULIP TREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	22
A2006820	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	18
A2008416	TREE, TILIA TOMENTOSA STERLING (STERLING SILVER LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	8
A2008820	TREE, ULMUS CARPINIFOLIA 'HOMESTEAD' HOMESTEAD ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	13
X0323927	MAINTENANCE OF LIGHTING SYSTEM	EACH	1
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	818
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	1227
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	3
XX004731	CONNECTION TO EXISTING WATER MAIN	EACH	1
XX005106	PVC CASING PIPE, 18"	FOOT	26
XX005501	SANITARY SEWER CONNECTION	EACH	1
XX005715	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SQ YD	178
XX006217	SANITARY SEWER SERVICE 8"	FOOT	60
XX006220	LUMINAIRE, METAL HALIDE, CURVILINEAR, 400W (ARCHITECTURAL)	EACH	20
XX006221	LIGHT POLE, STEEL 20 FT. M.H., SHORT BRACKET - 8 IN.	EACH	20
XX006222	CONDUIT ENCASED, REINFORCED CONCRETE, 5" DIA., PVC 3 WIDE X 2 HIGH	FOOT	140
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0056900	SANITARY SEWER 8"	FOOT	120
Z0057100	SANITARY SEWER 12"	FOOT	1179
XX001d20	TREE, GINKGO BILOBA MAGYAR ARISTOCRAT (MAGYAR GINKGO), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	8
XX001d21	DRAINAGE STRUCTURE, SPECIAL, 6'X6'	EACH	1
XX001d22	EMERGENT/SHORELINE SEED MIX	ACRE	0.6
K1001572	PRAIRIE SEEDING SPECIAL	ACRE	1.8
XX001d23	MULCH, METHOD 3, SPECIAL	ACRE	8.8
XX001d24	TEMPORARY FIRE HYDRANT	EACH	1

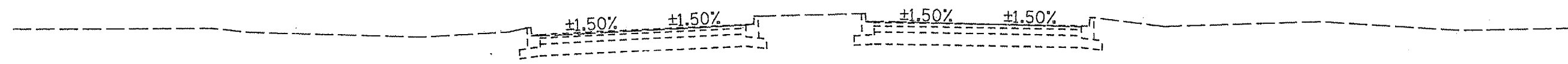
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SECTION 05-00001-01-PV DEKALB COUNTY NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
NAME	DATE	
		SUMMARY OF QUANTITIES

SCALE: AS SHOWN DRAWN BY: MWH
DATE: 05/18/06 CHECKED BY: CPS



TYPICAL SECTION
STA. 25+20.00 TO STA. 35+72.53

INTERSECTION OMISSION
STA. 32+47.33 TO STA. 33+68.97
STA. 35+72.33 TO STA. 36+60.33



EXISTING CROSS SECTION AT 25+20

PAVEMENT DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC : YEAR 2026
P.V. : 2156 / DAY
S.V. : 22 / DAY
M.V. : 22 / DAY
MIN. IBV : 6 (ASSUMED)
T.F. : 0.10

MIX	SUPERPAVE SURFACE COURSE	SUPERPAVE BINDER COURSE
PG GRADE	PG64-22	PG64-22
RAP % (MAX) **	15%	25%
DESIGN AIR VOIDS	4% @ N50	4% @ N50
MIXTURE COMPOSITION	IL-9.5 OR IL-12.5	IL-19.0
FRICTION AGGREGATE	MIXTURE C	N/A
MIXTURE WEIGHT	112 LB/SQ YD/IN	112 LB/SQ YD/IN

**IF THE RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

LEGEND

- | | |
|--|--|
| 1 EXISTING GROUND LINE | 8 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 12" |
| 2 PROPOSED GROUND LINE | 9 PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5" |
| 3 PROPOSED TOPSOIL EXCAVATION AND PLACEMENT, 4" | 10 PROPOSED AGGREGATE BASE COURSE, TYPE B, 4" |
| 4 PROPOSED TOPSOIL EXCAVATION AND PLACEMENT, 12" | 11 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 |
| 5 PROPOSED SEEDING, CLASS 2 | 12 PROPOSED LIGHT POLE AND BASE (SEE LIGHTING PLANS FOR LOCATIONS) |
| 6 PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2" | |
| 7 PROPOSED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 3" | |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 05-00001-01-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
WEST ACCESS ROAD
TYPICAL SECTION
SCALE: AS SHOWN
DATE 05/18/06
DRAWN BY RLA
CHECKED BY MGD

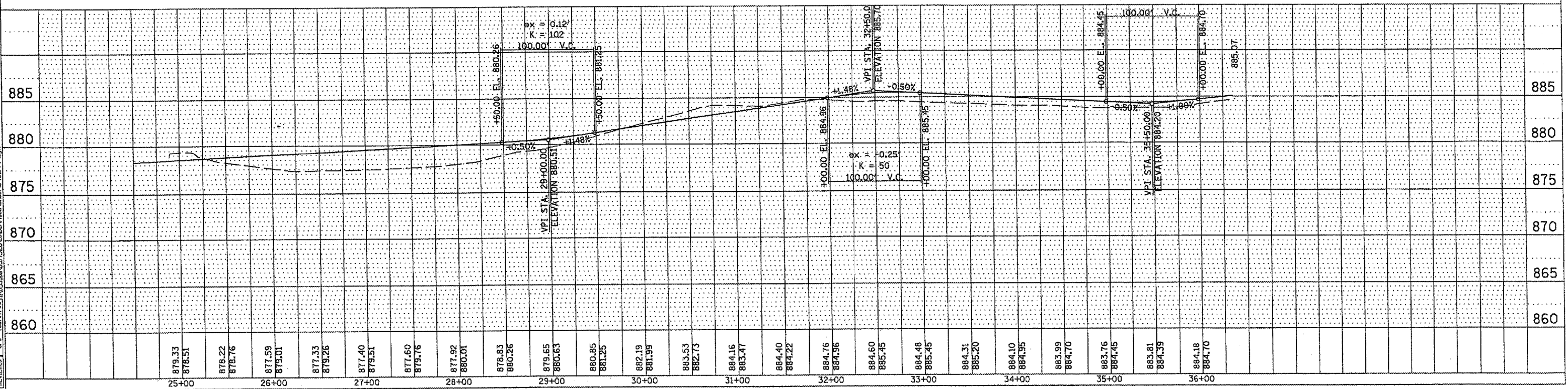
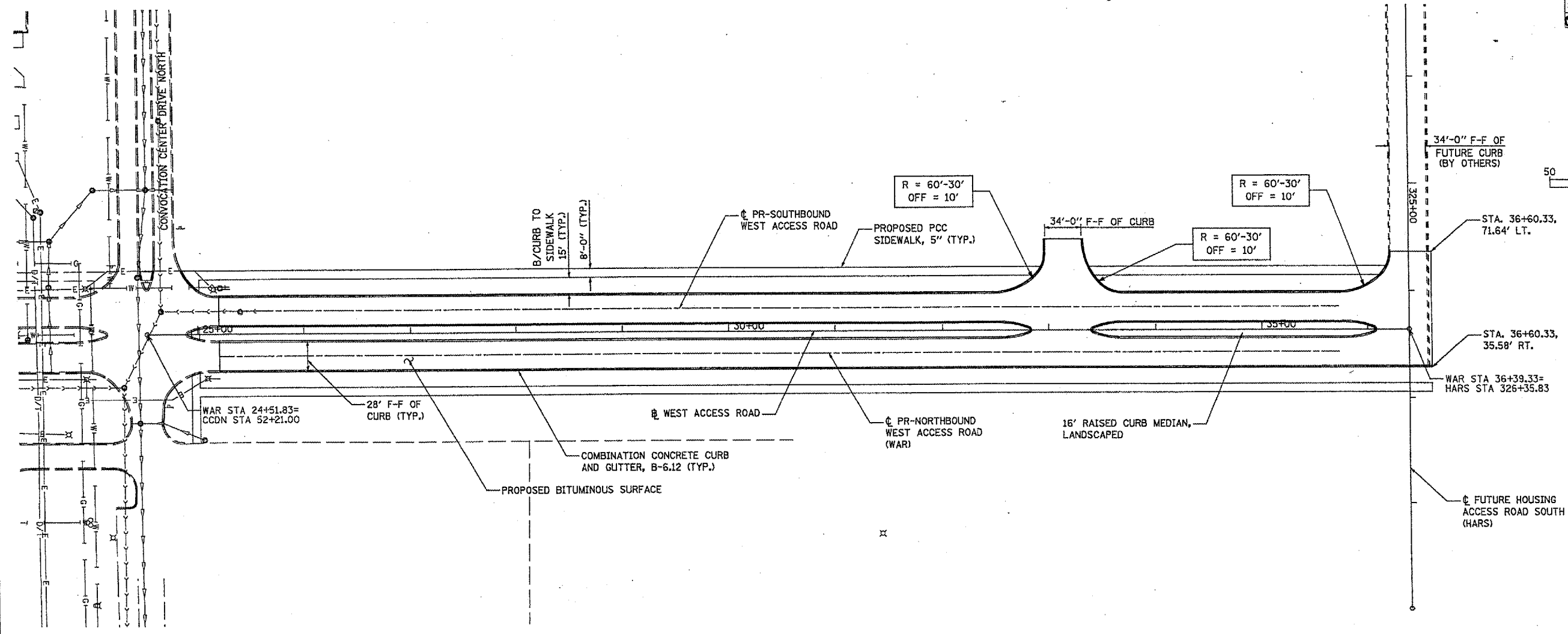
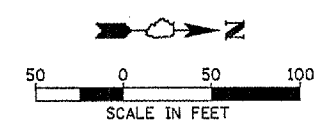
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 24+51.83		TO STA. 36+39.33		
#87319 ILLINOIS FED. AID PROJECT				



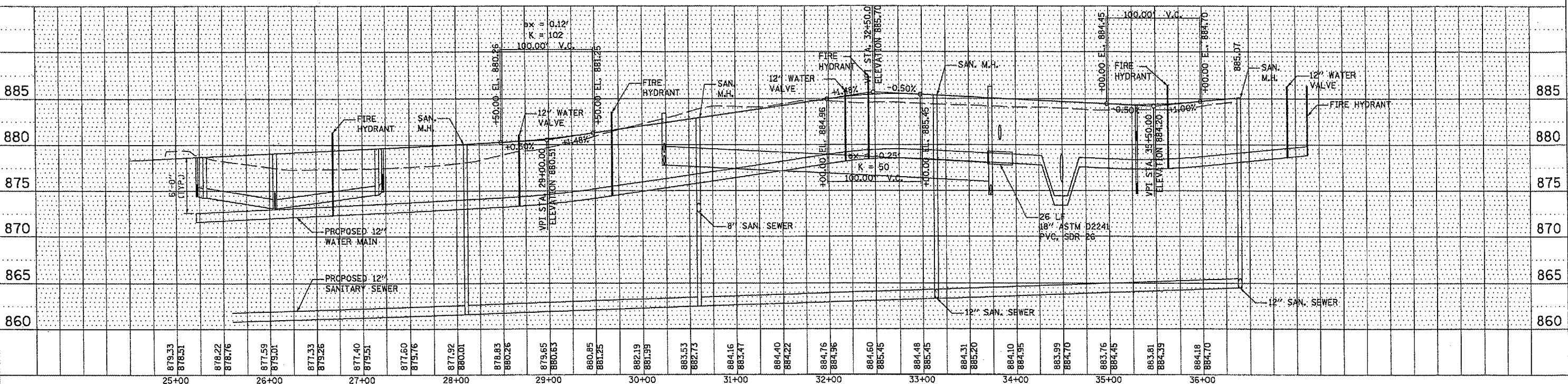
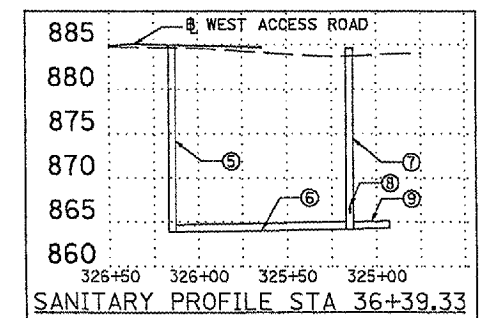
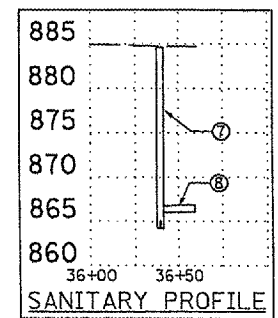
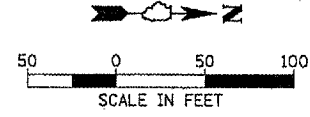
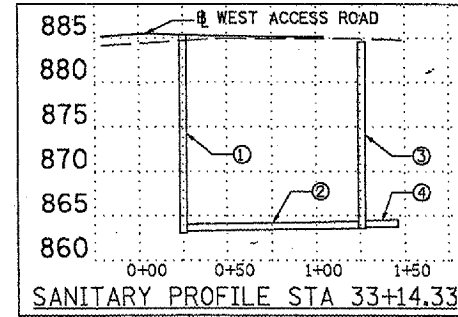
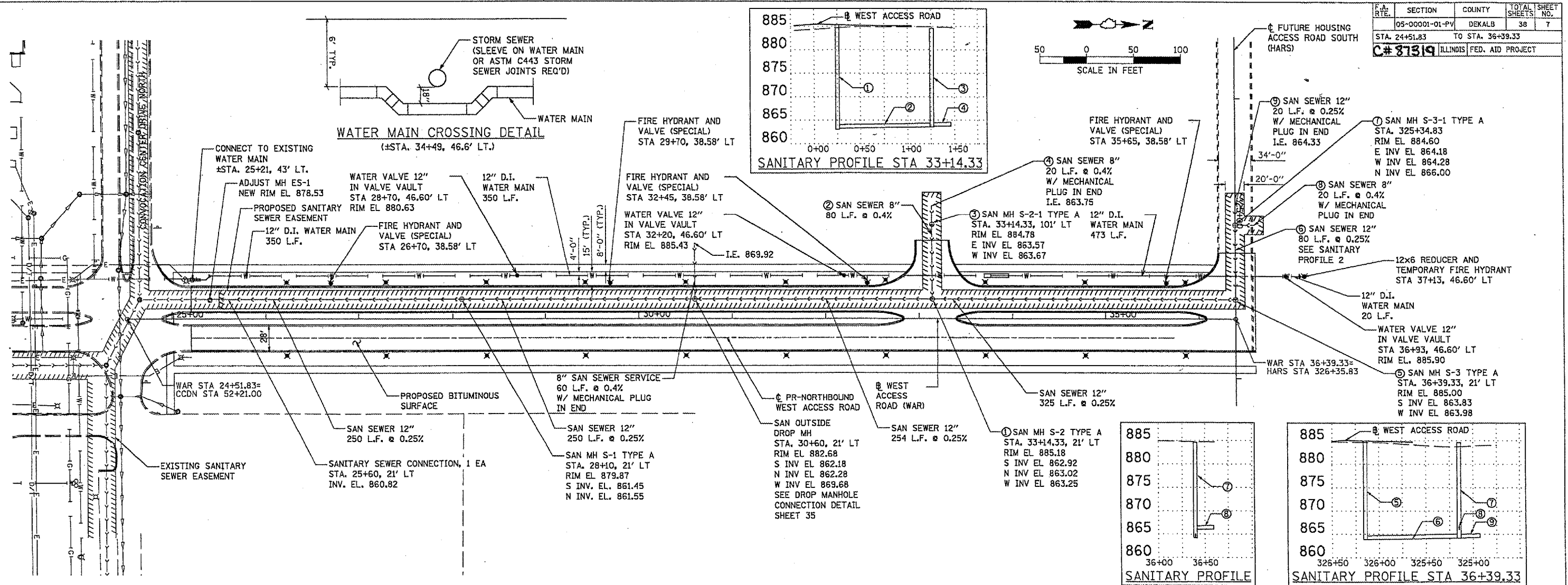
WEST ACCESS ROAD



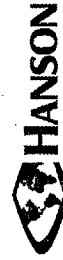
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	7
STA. 24+51.83		TO STA. 36+39.33		
C# 81319 ILLINOIS FED. AID PROJECT				



SANITARY SEWER & WATER MAIN



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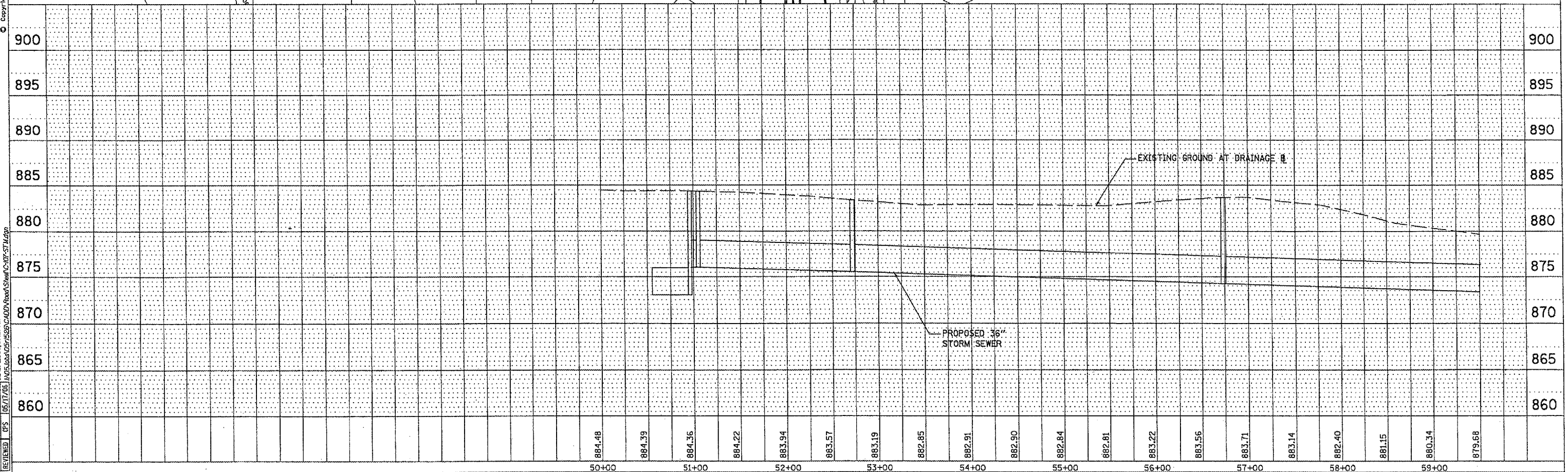
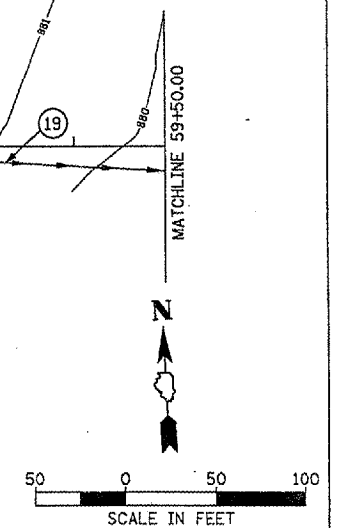
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	36	12
STA. 50+00.00		TO STA. 59+50.00		
C# 87319 ILLINOIS FED. AID PROJECT				

STR. NO.	STATION	OFFSET	TYPE	F & G	RIM EL.	INV. N	INV. S	INV. E	INV. W
17	50+55.45	28.15' -LT	--	--	--	--	--	873.00	--
18	50+96.27	21.27' LT	6'X6' SPECIAL	--	880.42	--	--	876.31	873.00
19	51+05.15	19.77' LT	5'Ø MANHOLE TYPE A	T1 CL	882.65	--	--	876.05	876.10
20	52+71.80	8.30' LT	5'Ø MANHOLE TYPE A	T1 CL	883.38	--	--	875.45	875.55
21	56+73.74	1.57' LT	5'Ø MANHOLE TYPE A	T1 CL	883.70	--	--	874.15	874.25

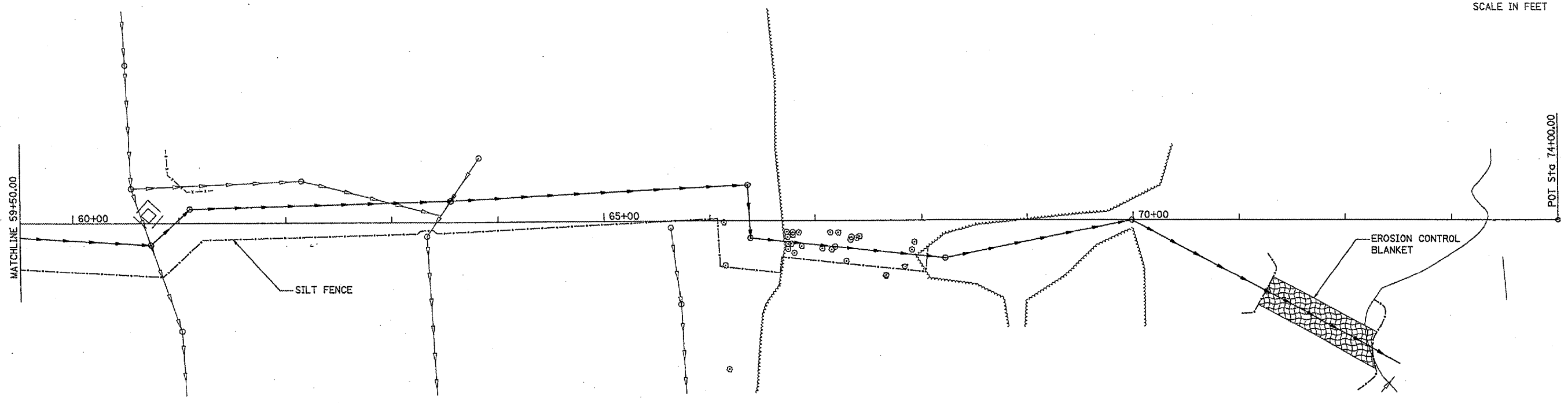
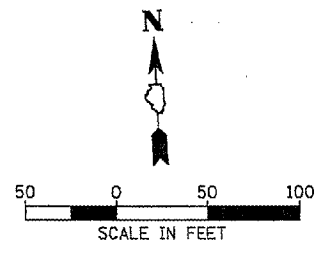
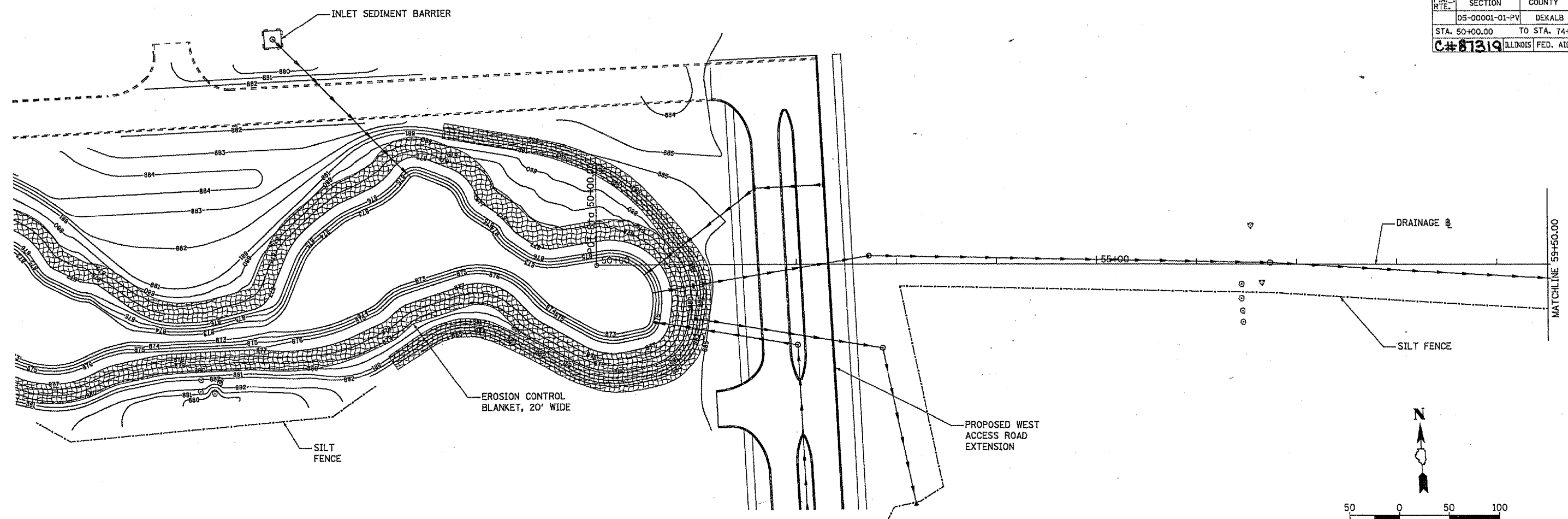
PIPE NO.	U/S-D/S	LENGTH (FT)	SIZE (INCH)	CLASS/TYPE	U/S INV.	D/S INV.	SLOPE (%)
15	17-18	40	36	A/2	873.00	873.00	0.0
16	18-19	7	36	A/2	876.31	876.10	3.0
17	19-20	167	36	A/2	876.05	875.55	0.3
18	20-21	400	36	A/2	874.45	874.25	0.3
19	21-22	400	36	A/2	874.15	872.95	0.3

* WITH ASTM C443 JTS.



DRAINAGE PLAN & PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	16
STA. 50+00.00		TO STA. 74+00.00		
C# 87319 ILLINOIS FED. AID PROJECT				



LEGEND:

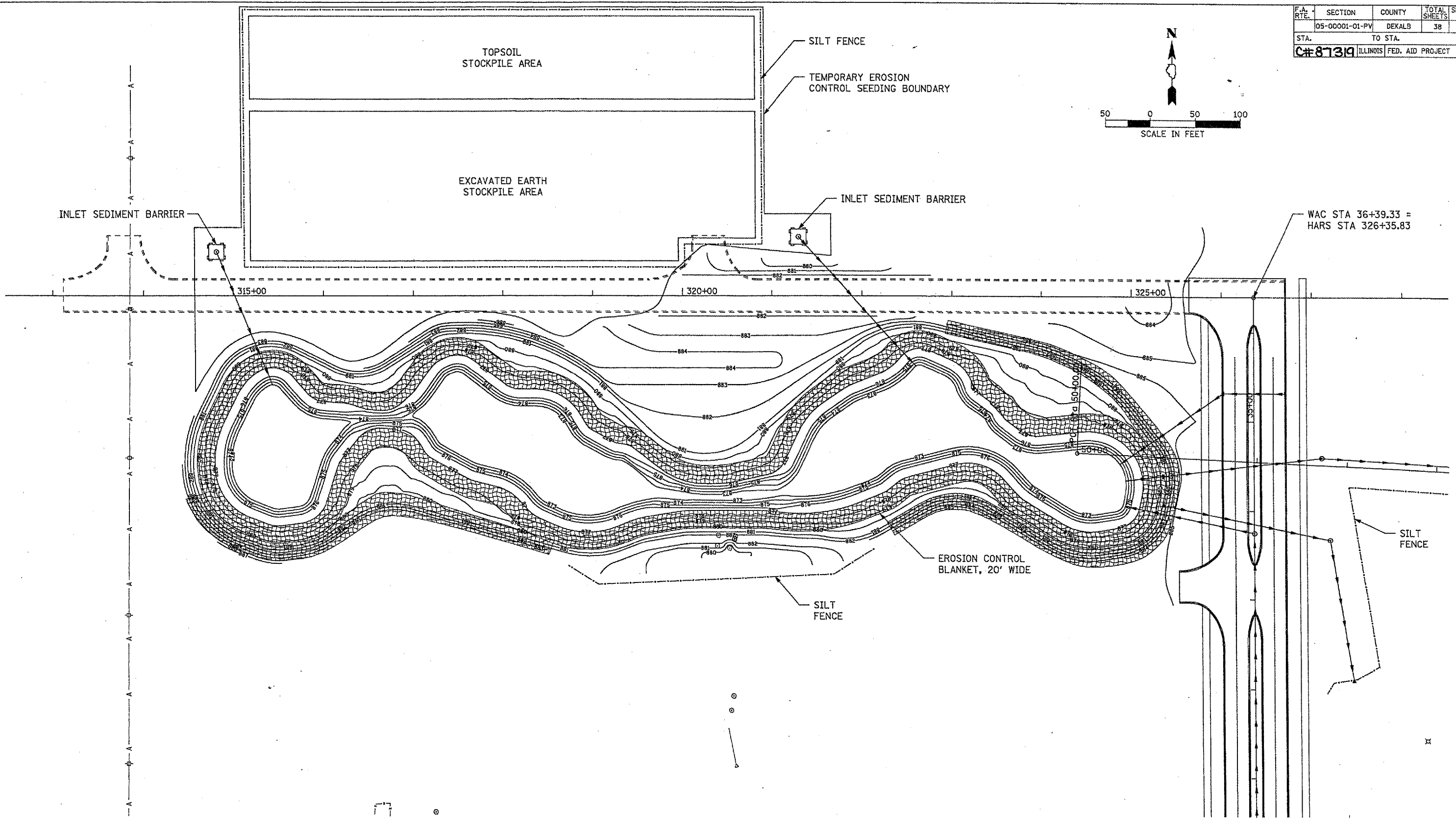
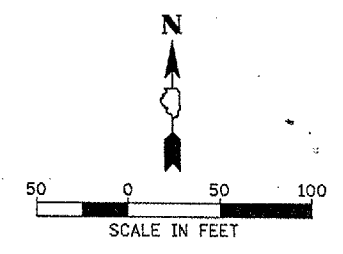
	SILT FENCE
	EROSION CONTROL BLANKET
	INLET SEDIMENT BARRIER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 05-00001-01-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
TEMPORARY EROSION CONTROL PLAN
SCALE: AS SHOWN
DATE 05/18/06
DRAWN BY MWH
CHECKED BY CRC

MWH 02/14/06 mwh
DRAWN 05/03/06 JCV/05/06/06:02:34 PM
REVIEWED CFS 05/17/06 JCV/05/06/06:02:34 PM
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	17
STA.	TO STA.			
C# 87319	ILLINOIS FED. AID PROJECT			



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 LAYOUT: MWH 02/24/06
 DRAWN: MWH 05/03/06
 REVIEWED: CPS 05/17/06

LEGEND:

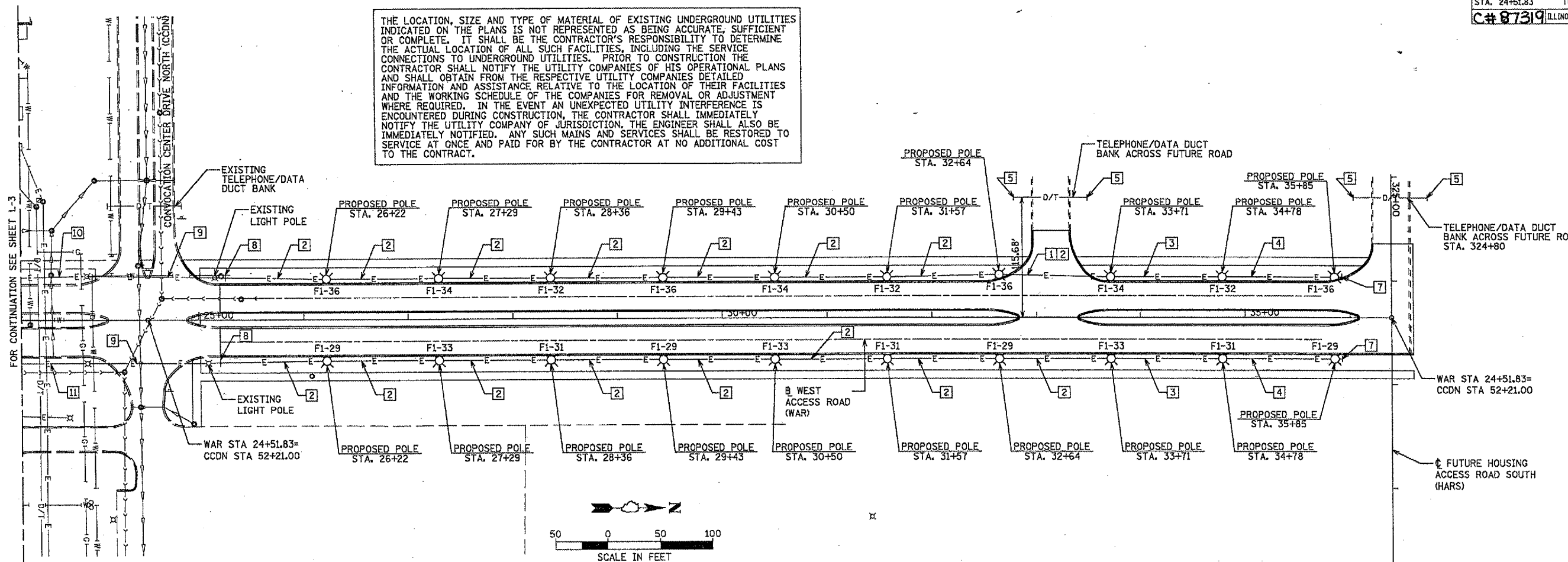
	SILT FENCE
	EROSION CONTROL BLANKET
	INLET SEDIMENT BARRIER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 05-00001-01-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
TEMPORARY EROSION CONTROL PLAN
 SCALE: AS SHOWN
 DATE: 05/18/06
 DRAWN BY: MWH
 CHECKED BY: CRC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	18
STA. 24+51.83		TO STA. 36+39.33		
C# 87319 ILLINOIS FED. AID PROJECT				

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.



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LEGEND

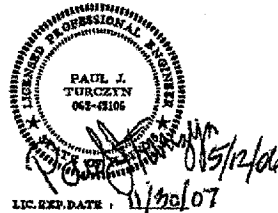
	SANITARY SEWER LINE
	STORM SEWER LINE
	EXISTING PAVEMENT
	EXISTING NATURAL GAS LINE
	EXISTING WATER LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING UNDERGROUND DATA/TELEPHONE LINE
	PROPOSED UNDERGROUND ELECTRIC LINE
	PROPOSED ROADWAY LIGHT POLE/FIXTURE
	EXISTING ROADWAY LIGHT POLE/FIXTURE
	MANHOLE
	FIRE HYDRANT
	POWER POLE
	INLET

- PLAN KEYED NOTES:**
- 1 PROVIDE RIGID GALVANIZED STEEL (RGS) CONDUIT BELOW ROADWAYS (PUSHED).
 - 2 4*6, #6G., 1 1/4 "C.
 - 3 3*6, #6G., 1 1/4 "C.
 - 4 2*6, #6G., 1 1/4 "C.
 - 5 EXTEND DUCT 5'-0" PAST BACK OF CURB. EXTEND PVC CONDUITS 1'-0" BEYOND CONCRETE ENCASEMENT AND CAP FOR FUTURE EXTENSION. EXTEND REBAR 1'-0" BEYOND CONCRETE ENCASEMENT AND WRAP WITH TAPE.
 - 6 EXTEND SERVICE CONDUIT 5'-0" BEYOND SIDEWALK AND CAP.
 - 7 EXTEND CONDUIT 3'-0" BEYOND FOUNDATION AND CAP.
 - 8 EXISTING 1 1/4" CONDUIT, EXTEND TO PROPOSED LIGHTING POLES.
 - 9 ADD 2*6 TO EXISTING CONDUIT.
 - 10 ADD 1*6 TO EXISTING CONDUIT.
 - 11 REMOVE EXISTING CONDUCTORS 3*8, #8G. FROM ROADWAY LIGHTING CONDUIT AND INSTALL 4*6, #6G. CONDUCTORS.

- LIGHTING GENERAL NOTES:**
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE CONSTRUCTION INSPECTION. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
 2. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF THE "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.

SUMMARY OF QUANTITIES - NIU WEST ACCESS ROAD EXTENSION

LUMINAIRE, METAL HALIDE, CURVILINEAR, 400W (ARCHITECTURAL)	EACH	20
LIGHT POLE, STEEL 20 FT. M.H., SHORT BRACKET - 8 IN.	EACH	20
CONDUIT IN TRENCH, 1 1/4" DIA., PVC	LIN. FT.	2074
CONDUIT PUSHED, 1 1/4" DIA., GLAVANIZED STEEL	LIN. FT.	72
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, NO. 6	LIN. FT.	12080
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, NO. 4	LIN. FT.	1820
GROUNDING ELECTRODE BELOW GRADE	EACH	20
TRENCH AND BACKFILL FOR ELECTRIC WORK	LIN. FT.	2074
REMOVE ELECTRIC CABLE FROM CONDUIT	LIN. FT.	590
LIGHT POLE FOUNDATION	EACH	20
MAINTENANCE OF LIGHTING SYSTEM	EACH	1
CONDUIT ENCASED, REINFORCED CONCRETE, 5" DIA. PVC 3 WIDE X 2 HIGH	LIN. FT.	140



REVISIONS

NAME	DATE

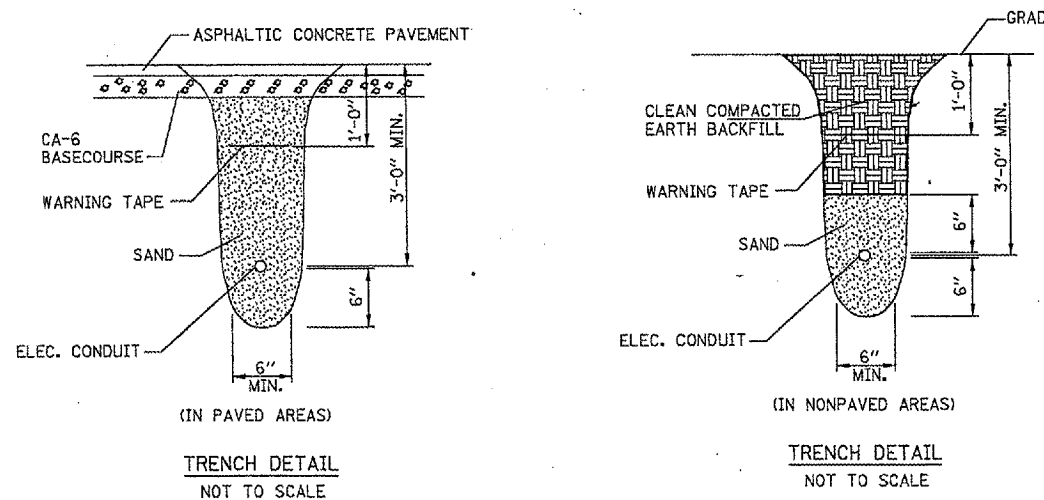
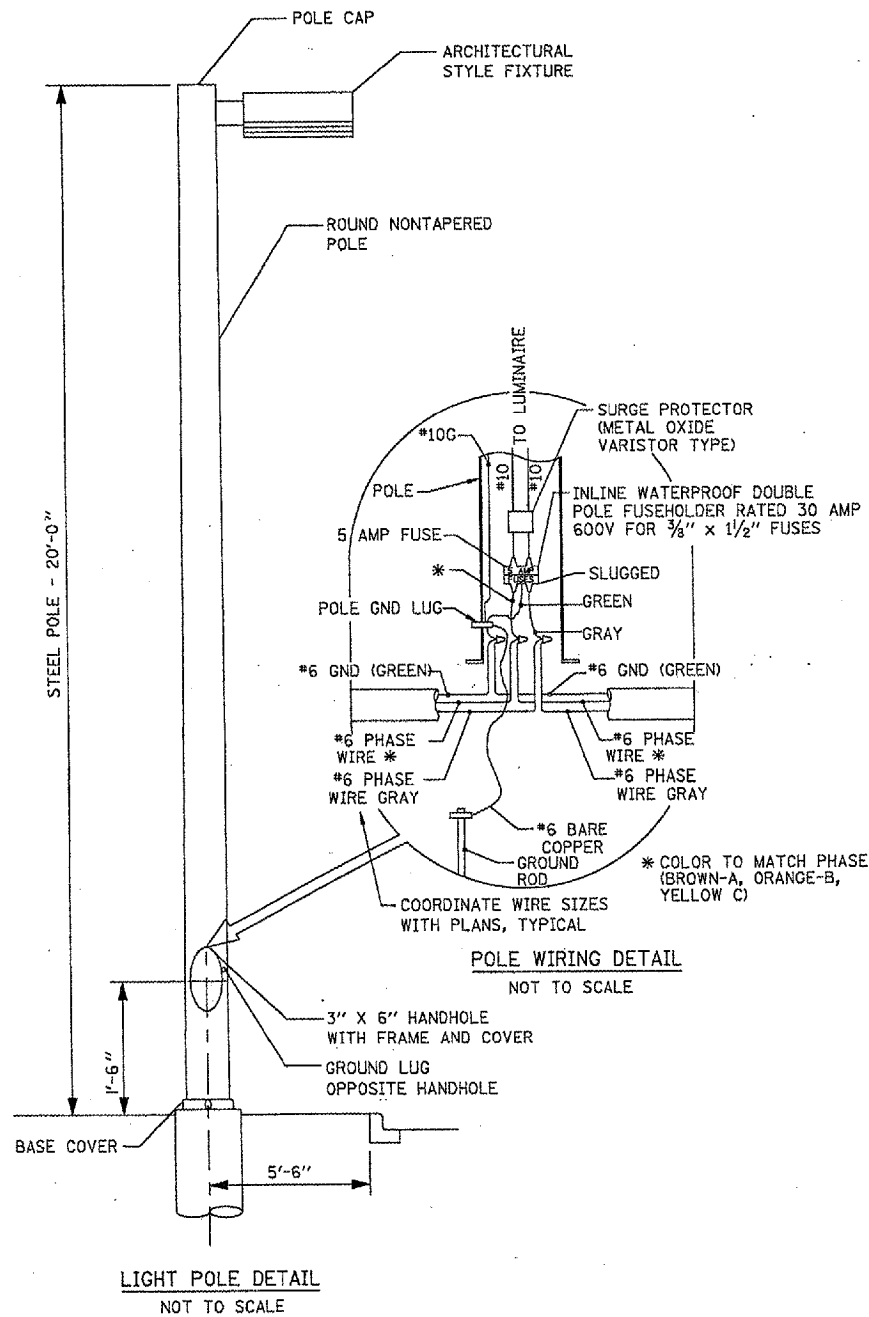
ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 04-00001-00-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS
 ROADWAY LIGHTING
 PLAN

SCALE: AS SHOWN
 DATE 05/18/06
 DRAWN BY ANC
 CHECKED BY PJT

L-1

LAYOUT	ANC	02/20/06
DRAWN	ANC	05/23/06
REVIEWED	PJT	04/28/06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	19
STA.	TO STA.			
C# 87319 ILLINOIS FED. AID PROJECT				



ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

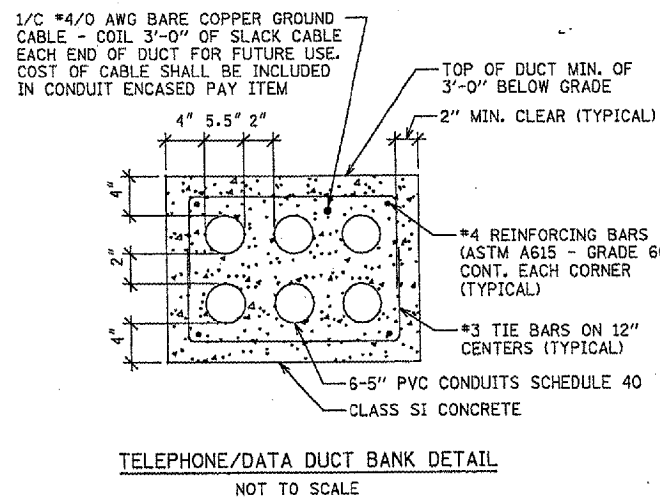
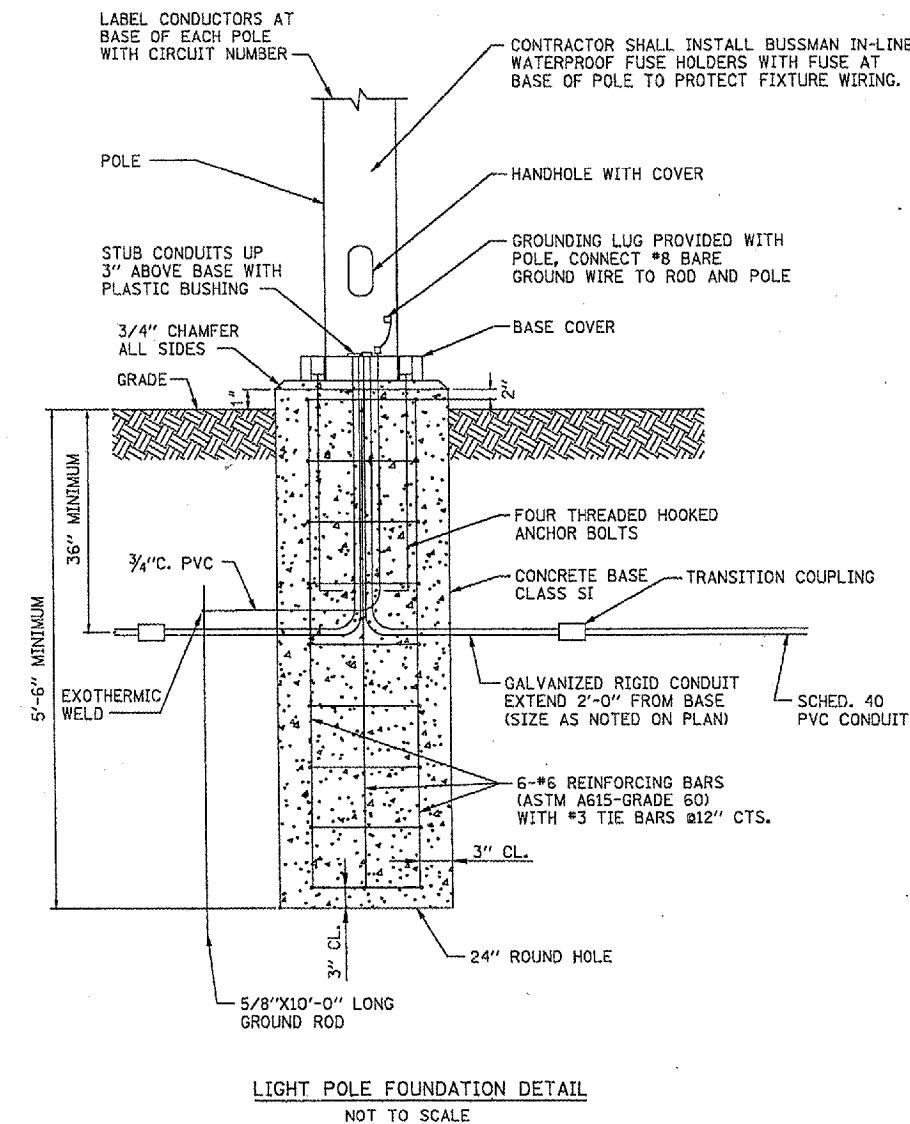
GIVEN CONDITIONS		
ROADWAY DATA:	PAVEMENT WIDTHS	52 FT
	NUMBER OF LANES	4
	MEDIAN WIDTH	13 FT
	IES SURFACE CLASSIFICATION	R1
	Q-ZERO VALUE	0.10
LIGHT POLE DATA:	MOUNTING HEIGHT	20 FT
	MAST ARM LENGTH	1 FT
	POLE SET-BACK FROM EDGE OF PAVEMENT	6 FT
LUMINAIRE DATA:	LAMP TYPE	400W CLEAR MH
	LAMP LUMENS	40,000
	IES VERTICAL DISTRIBUTION	SHORT
	IES CONTROL OF DISTRIBUTION	CUTOFF
	IES LATERAL DISTRIBUTION	TYPE III
	TOTAL LIGHT LOSS FACTOR	0.525
LAYOUT DATA:	SPACING	107 FT
	CONFIGURATION	SINGLE HEAD POLE MOUNT
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LINE	-5 FT

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED IES DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS

NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE.

ILLUMINATION:	AVERAGE HORIZONTAL ILLUMINATION, (EAVE)	2.4 FC
	UNIFORMITY RATIO, (EAVE/EMIN)	2.2
LUMINANCE:	AVERAGE LUMINANCE, (LAVE)	1.5 Cd/m ²
	UNIFORMITY RATIOS: (LAVE/LMIN)	1.6
	(LMAX/LMIN)	3.5
	MAXIMUM VEILING LUMINANCE RATIO: (LV/LAVE)	0.4



LIGHTING FIXTURE SCHEDULE						
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CAT. NO.	LAMPS/WATTS	VOLTS	MOUNTING	REMARKS
F1	POLE MOUNTED MH ARCHITECTURAL ROADWAY LUMINAIRE, HEAVY GAUGE EXTRUDED ALUMINUM 25" DIA. ROUND HOUSING, FULLY GASKETED FOR WEATHER AND BUG TIGHTNESS, BAKED ON POLYESTER POWDER COAT FINISH, ANODIZED ALUMINUM IES TYPE III CUTOFF OPTICS, CLEAR TEMPERED GLASS LENS, HORIZONTALLY MOUNTED MEDIUM BASE PORCELAIN SOCKET, HPF CWA TYPE BALLAST, DARK BRONZE PAINT FINISH.	KIM: 1A-CC25A3-400MH-DBP/KRS20-5180-DBP OR APPROVED EQUAL.	1-400W MH ANSI CODE NO. M59 460 TOTAL INPUT WATTS	277	MOUNTED ON A 20'-0" ROUND NONTAPERED STEEL POLE	SUPPLY A 100 MPH RATED POLE AT 200% OF THE RATED EPA OF THE FIXTURE PROVIDED. SPECIFIED FIXTURE EPA RATING EQUALS 1.5 SQ FT EACH

REVISIONS	
NAME	DATE

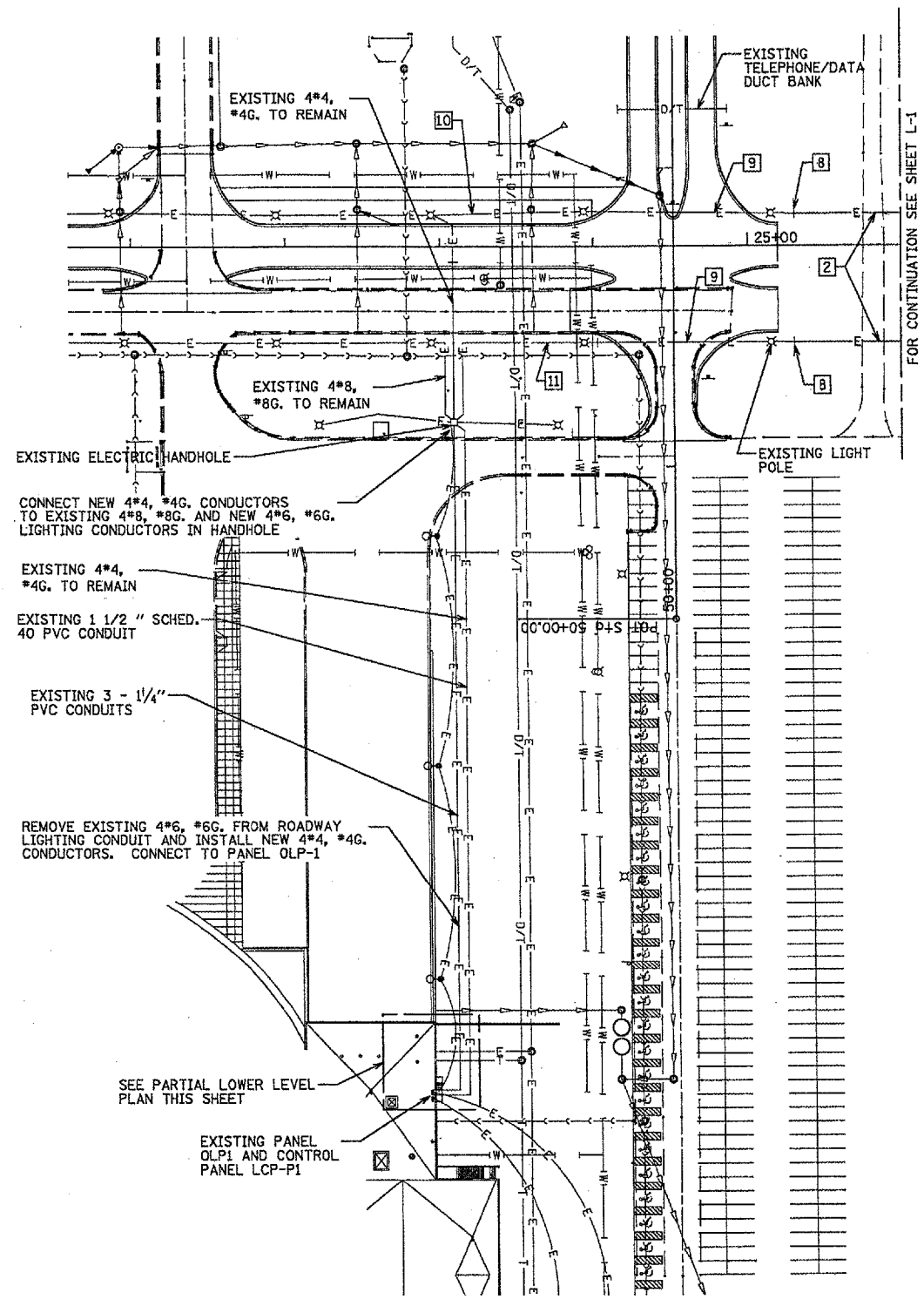
ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-00001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS
ROAD EXTENSION
**ROADWAY LIGHTING
ELECTRICAL DETAILS**

SCALE: AS SHOWN
DATE 05/18/06
DRAWN BY ANC
CHECKED BY PJT

L-2

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 DRAWN: ANC 04/28/06
 REVIEWED: PJT 04/28/06
 PROJECT: IAC/05/05/1526/CAC/000/000/E-50142.dwg

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	20
STA.	TO STA.			
C# 87319 ILLINOIS FED. AID PROJECT				



FOR CONTINUATION SEE SHEET L-1

CONNECT NEW 4*4, #4G. CONDUCTORS TO EXISTING 4*8, #8G. AND NEW 4*6, #6G. LIGHTING CONDUCTORS IN HANDHOLE

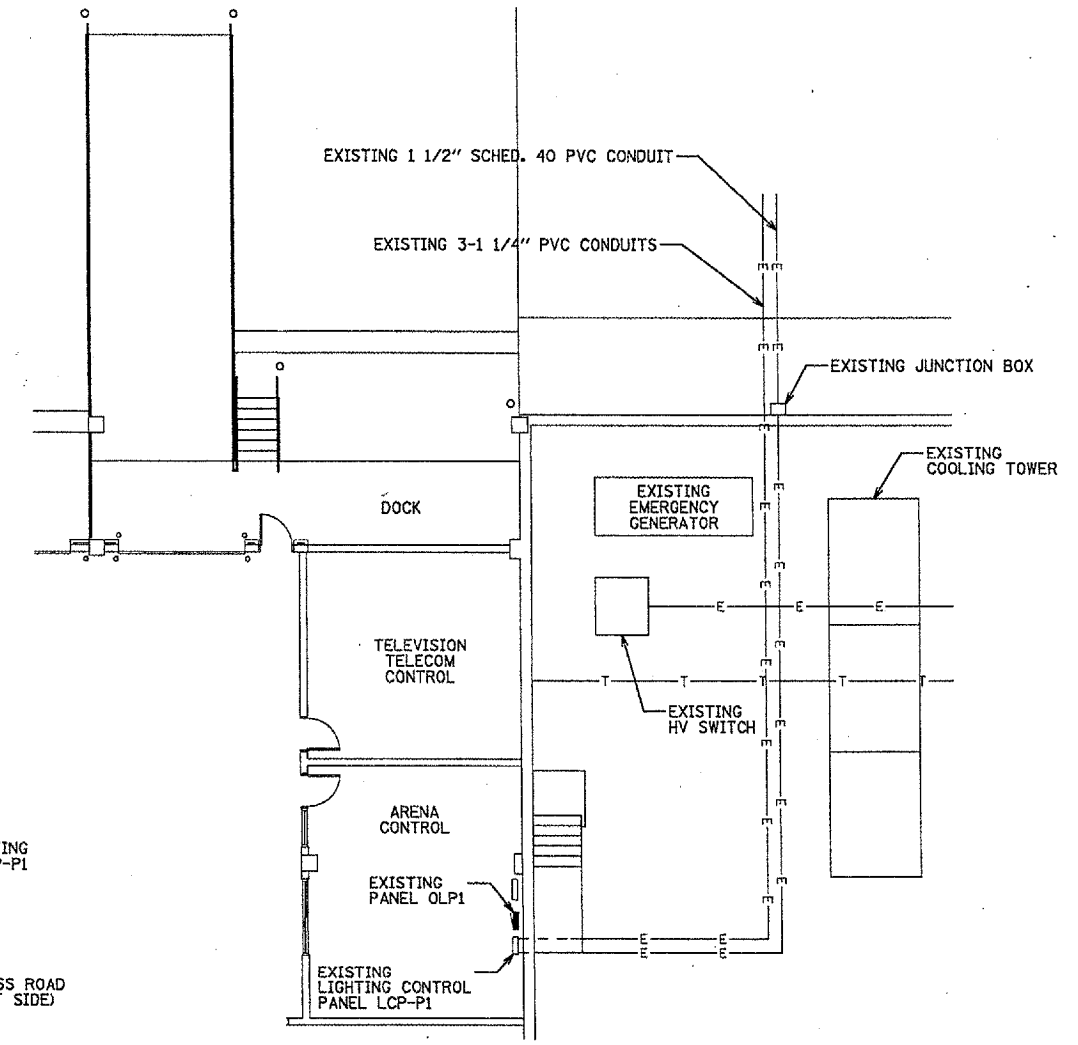
EXISTING 4*4, #4G. TO REMAIN

EXISTING 1 1/2" SCHED. 40 PVC CONDUIT

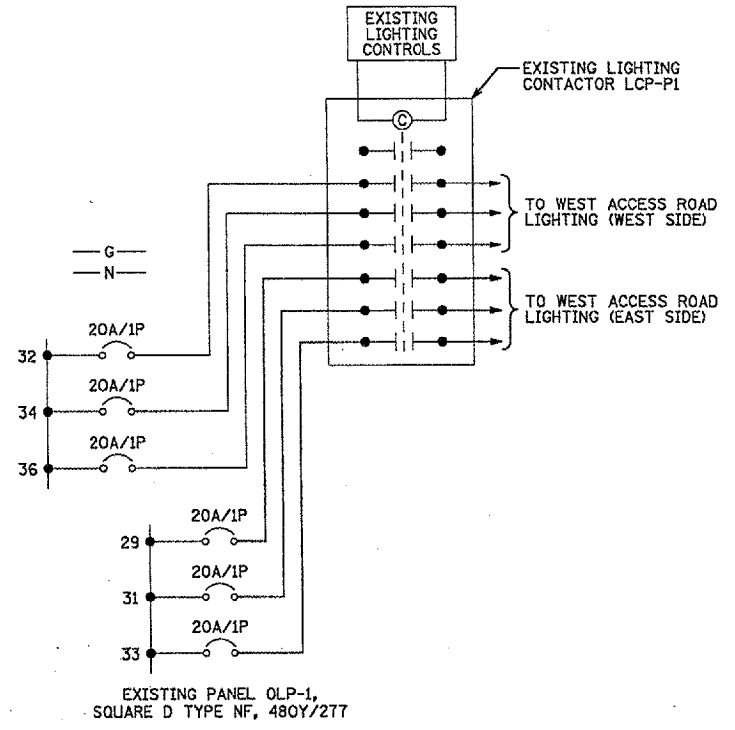
EXISTING 3 - 1/4" PVC CONDUITS

REMOVE EXISTING 4*6, #6G. FROM ROADWAY LIGHTING CONDUIT AND INSTALL NEW 4*4, #4G. CONDUCTORS. CONNECT TO PANEL OLP-1

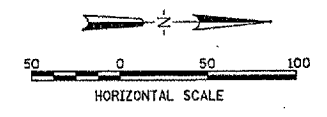
THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION, THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.



PARTIAL LOWER LEVEL PLAN
NOT TO SCALE



EXISTING PANEL OLP-1, SQUARE D TYPE NF, 480Y/277
EXTERIOR LIGHTING CONTROL DIAGRAM
NOT TO SCALE



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LAYOUT	ANC	02/07/06
DESIGN	ANC	04/20/06
REVISION	PJT	07/20/06

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 04-00001-00-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS
ROAD EXTENSION
ROADWAY LIGHTING PLAN

SCALE: AS SHOWN
DATE 05/18/06

DRAWN BY ANC
CHECKED BY PJT


L-3

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	35	21
STA.		TO STA.		
0+00.00		ILLINOIS FED. AID PROJECT		

PLANT DATA CHART			Size (Cal. or Ht. When Planted)	Root Zone Mode	Notes/ Spacing	10+40 to 12+55	12+55 to 18+65	18+65 to 24+50	24+50 to 30+50	30+50 to 36+40	QTY. Total
SYM	COMMON NAME	SCIENTIFIC NAME									
	Large Deciduous Trees										
AB	Maple, Autumn Blaze	Acer x freemanii 'Autumn Blaze'	2" cal.	B&B		0	2	6	4	3	15
CO	Oak, Chinquapin	Quercus muehlenbergii	2-1/2" cal.	B&B		5	2	2	5	4	18
GM	Ginkgo, Magyar	Ginkgo biloba 'Magyar'	3" cal.	B&B		0	3	5	0	0	8
NE	Elm, New Homestead	Ulmus x 'New Homestead'	2-1/2" cal.	B&B		0	3	3	3	4	13
SH	Honeylocust, Shademaster	Gleditsia tricanthos inermis 'Shademaster'	2" cal.	B&B		0	6	0	5	3	14
SL	Linden, Sterling Silver	Tilia tomentosa 'Sterling'	2" cal.	B&B		0	2	0	6	0	8
SO	Oak, Swamp White	Quercus bicolor	2" cal.	B&B		0	7	5	5	5	22
TT	Tulip Tree	Liriodendron tulipifera	2" cal.	B&B		0	0	0	0	2	2
WC	Hackberry, Windy City	Celtis occidentalis 'Windy City'	2" cal.	B&B		0	4	3	0	3	10
TOTAL =						5	29	24	28	24	110

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LAYOUT SA 03/07/06 mmh
 DRAWN SA 03/07/06
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 717 John Nolen Drive
 Madison, WI 53713 608-255-0800

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 05-00001-01-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD

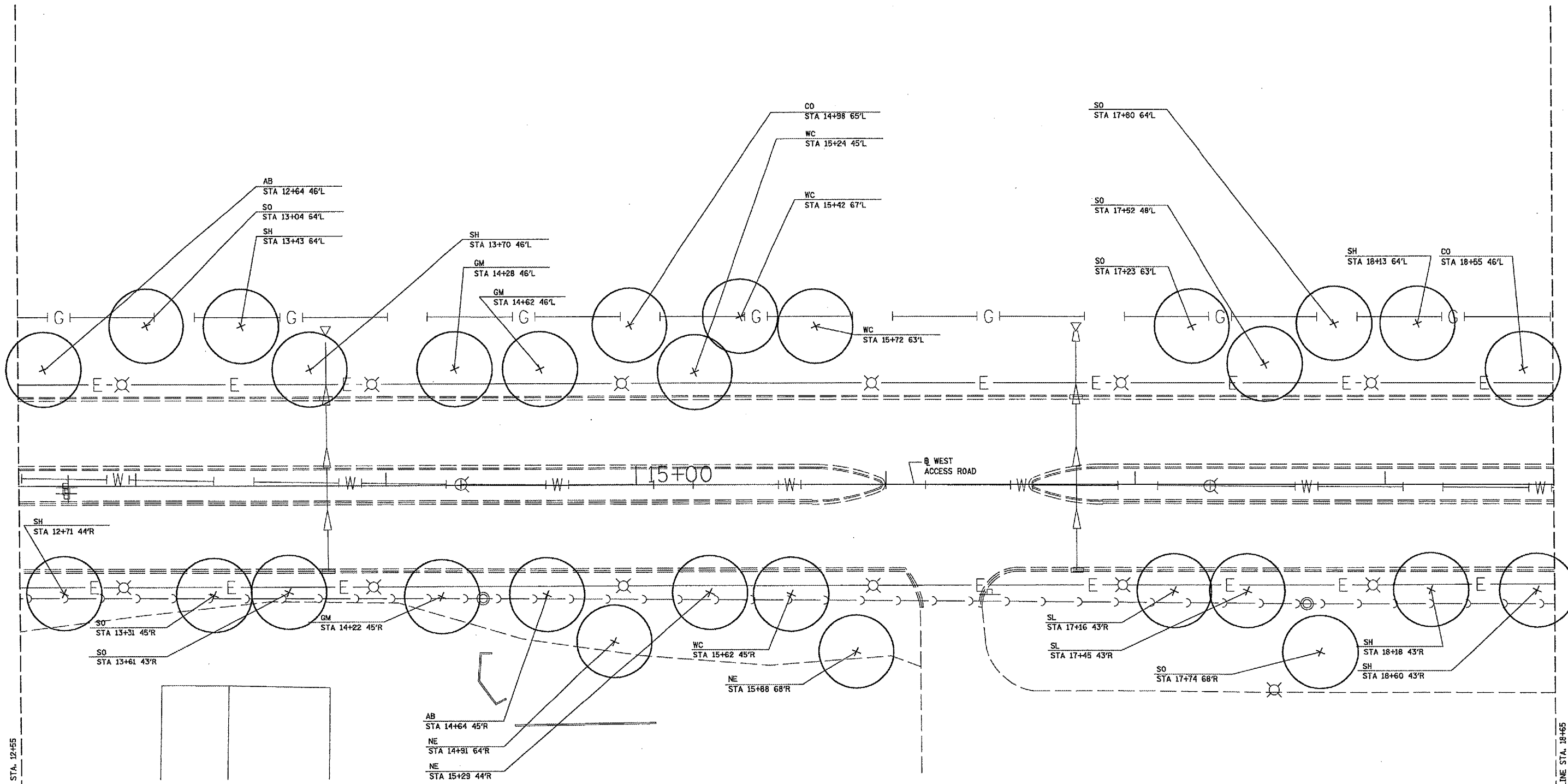
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 SCALE:
 DATE 05/18/06
 DRAWN BY SA
 CHECKED BY CPS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	23
STA. 12+55		TO STA. 18+65		
C#87319 ILLINOIS FED. AID PROJECT				

HANSON

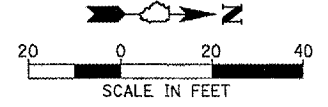
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PLANT LEGEND

SYM	COMMON NAME
LARGE DECIDUOUS TREES	
AB	AUTUMN BLAZE MAPLE
CO	CHINQUAPIN OAK
GM	MAGYAR GINKGO
NE	NEW HOMESTEAD ELM
SH	SHADEMASTER HONEYLOCUST
SL	STERLING SILVER LINDEN
SO	SWAMP WHITE OAK
TT	TULIP TREE
WC	WINDY CITY HACKBERRY

NOTES:
 1. MAKE MINOR FIELD ADJUSTMENTS IN TREE LOCATIONS TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
 2. TREES NOT IN THE PARKWAY SHOULD BE A MINIMUM OF PLUS OR MINUS 10' FROM BACK EDGE OF THE SIDEWALK.
 3. SEE LANDSCAPE DETAIL SHEET FOR TREE PLANTING DETAIL.



SAA SCHREIBER / ANDERSON ASSOCIATES, INC.
 717 John Nolen Drive
 Madison, WI 53713 608-255-0800

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 05-00001-01-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD

LANDSCAPE PLANS

SCALE: AS SHOWN
 DATE 05/18/06

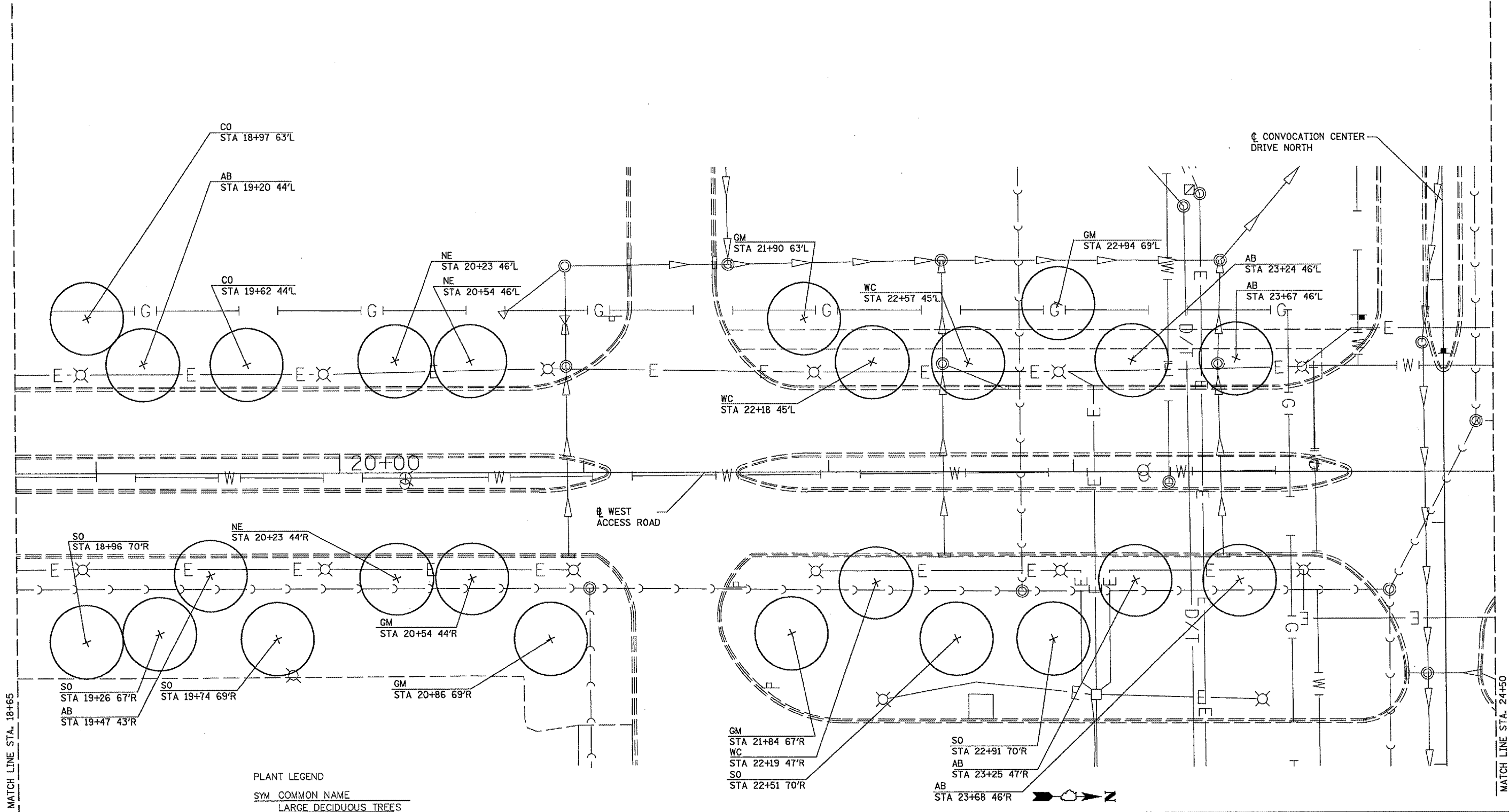
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MATCH LINE STA. 12+55

MATCH LINE STA. 18+65

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	24
STA. 18+65		TO STA. 24+50		
ILLINOIS FED. AID PROJECT				



PLANT LEGEND

SYM	COMMON NAME
	LARGE DECIDUOUS TREES
AB	AUTUMN BLAZE MAPLE
CO	CHINQUAPIN OAK
GM	MAGYAR GINKGO
NE	NEW HOMESTEAD ELM
SH	SHADEMASTER HONEYLOCUST
SL	STERLING SILVER LINDEN
SO	SWAMP WHITE OAK
TT	TULIP TREE
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 3. SEE LANDSCAPE DETAIL SHEET FOR TREE PLANTING DETAIL.

SCALE IN FEET
 20 0 20 40

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 717 John Nolen Drive
 Madison, WI 53713 608-255-0800

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 05-00001-01-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD

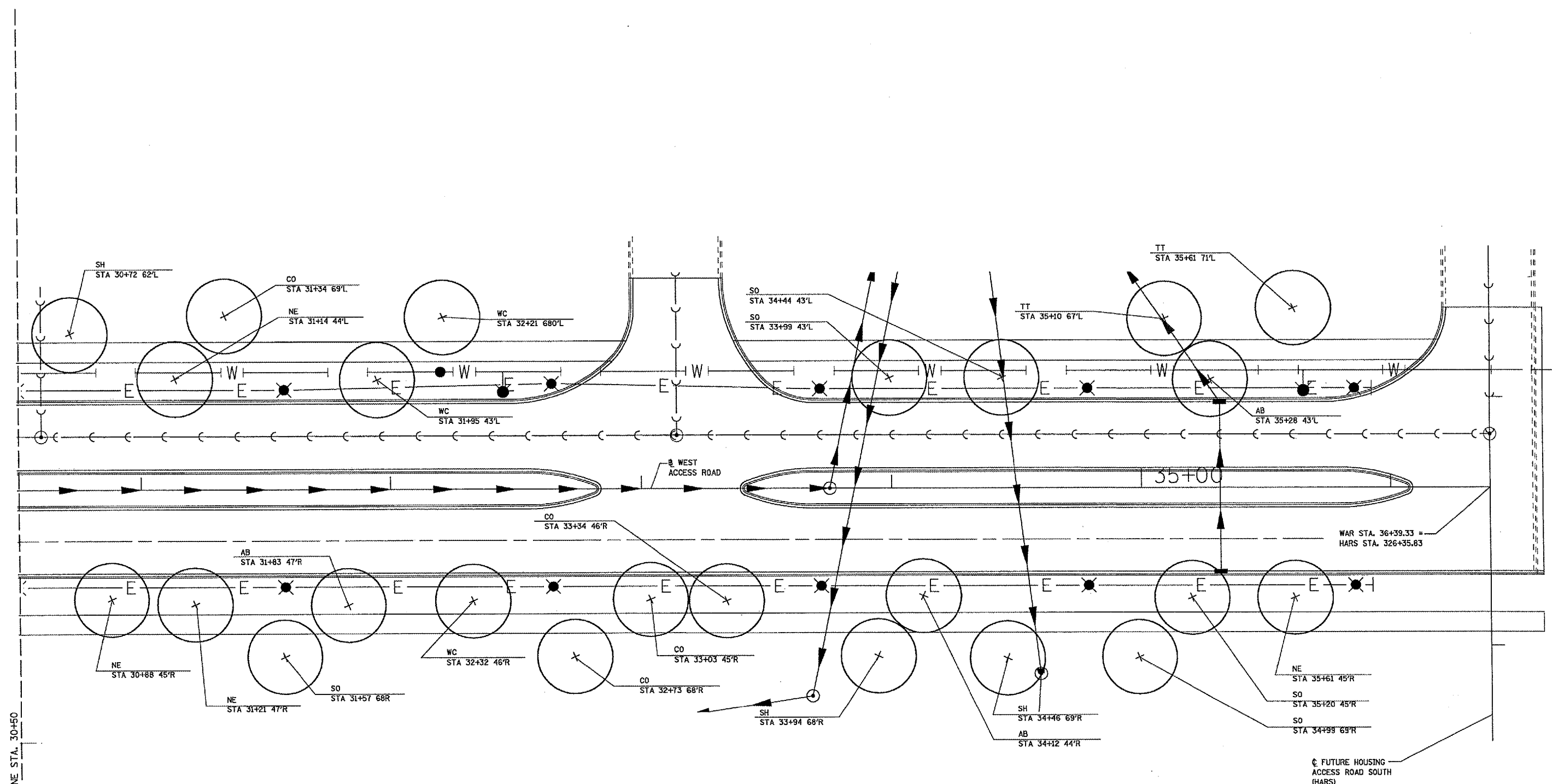
LANDSCAPE PLANS

SCALE: AS SHOWN
 DATE: 05/18/06

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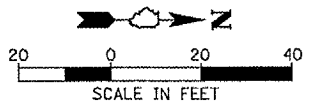
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	26
STA. 30+50	TO STA. 36+39.33			
8239 ILLINOIS FED. AID PROJECT				



PLANT LEGEND

SYM	COMMON NAME
	LARGE DECIDUOUS TREES
AB	AUTUMN BLAZE MAPLE
CO	CHINQUAPIN OAK
GM	MAGYAR GINKGO
NE	NEW HOMESTEAD ELM
SH	SHADEMASTER HONEYLOCUST
SL	STERLING SILVER LINDEN
SO	SWAMP WHITE OAK
TT	TULIP TREE
WC	WINDY CITY HACKBERRY

NOTES:
 1. MAKE MINOR FIELD ADJUSTMENTS IN TREE LOCATIONS TO AVOID OBSTRUCTIONS AS DIRECTED BY ENGINEER.
 2. TREES NOT IN THE PARKWAY SHOULD BE A MINIMUM OF PLUS OR MINUS 10' FROM BACK EDGE OF THE SIDEWALK.
 3. SEE LANDSCAPE DETAIL SHEET FOR TREE PLANTING DETAIL.



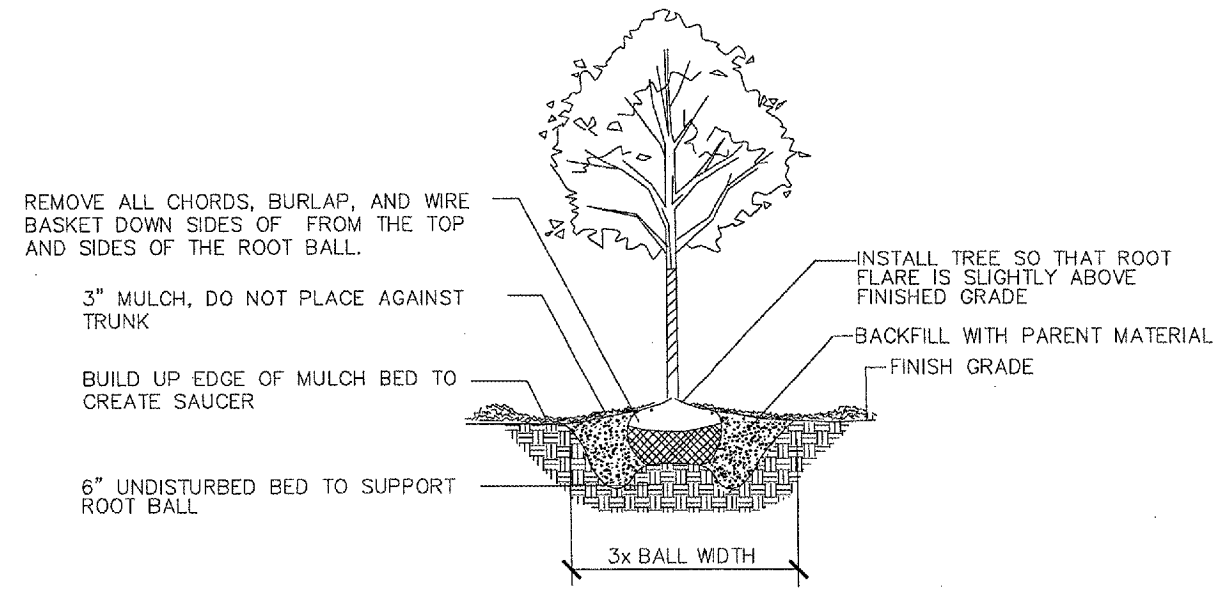
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 717 John Nolen Drive
 Madison, WI 53713 608-255-0800

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 05-00001-01-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
 LANDSCAPE PLANS
 SCALE: AS SHOWN
 DATE: 05/18/06
 DRAWN BY: SA
 CHECKED BY: SA

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 DESIGN SA 02/21/05 D600-0006/1027 AK
 REVIEWED SH 02/21/05 J405008037028/CAD/Landscape/1-31.dwg

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	35	27
STA.	TO STA.			
C# 07319	ILLINOIS	FED. AID PROJECT		



B&B TREE PLANTING

NTS



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717 John Nolen Drive
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REVISIONS	
NAME	DATE

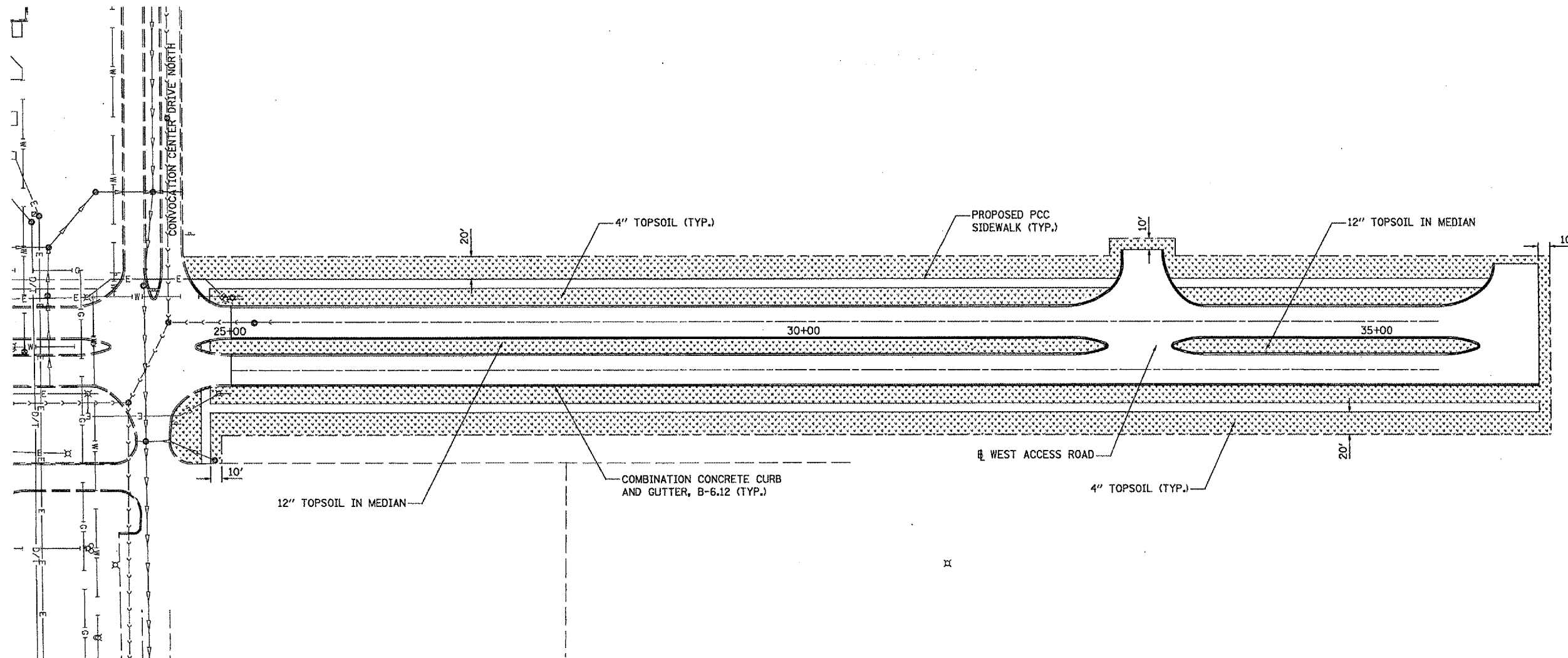
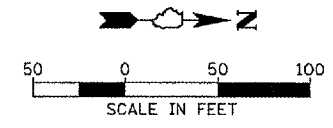
ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 05-00001-01-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD

LANDSCAPE DETAILS

SCALE: DATE 05/18/06

DRAWN BY SA
CHECKED BY CPS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	28
STA. 24+51.83		TO STA. 36+33.39		
C#87319 ILLINOIS FED. AID PROJECT				



LEGEND

- LIMIT OF SEEDING
- [Pattern] SEEDING CLASS 1 LAWN MIX
- [Pattern] EMERGENT / SHORELINE SEED MIX
- [Pattern] PRAIRIE SEED MIX

NOTES:

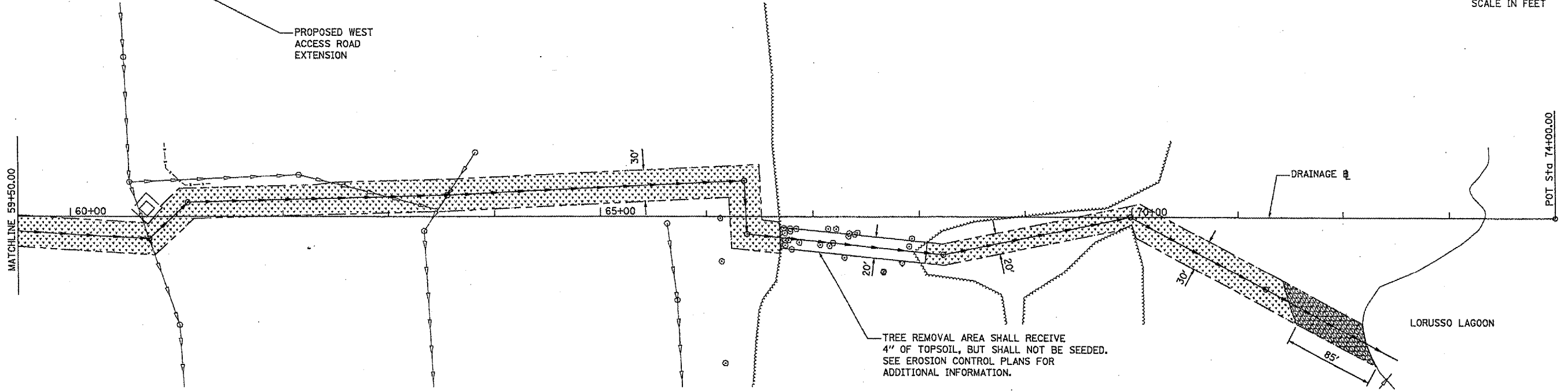
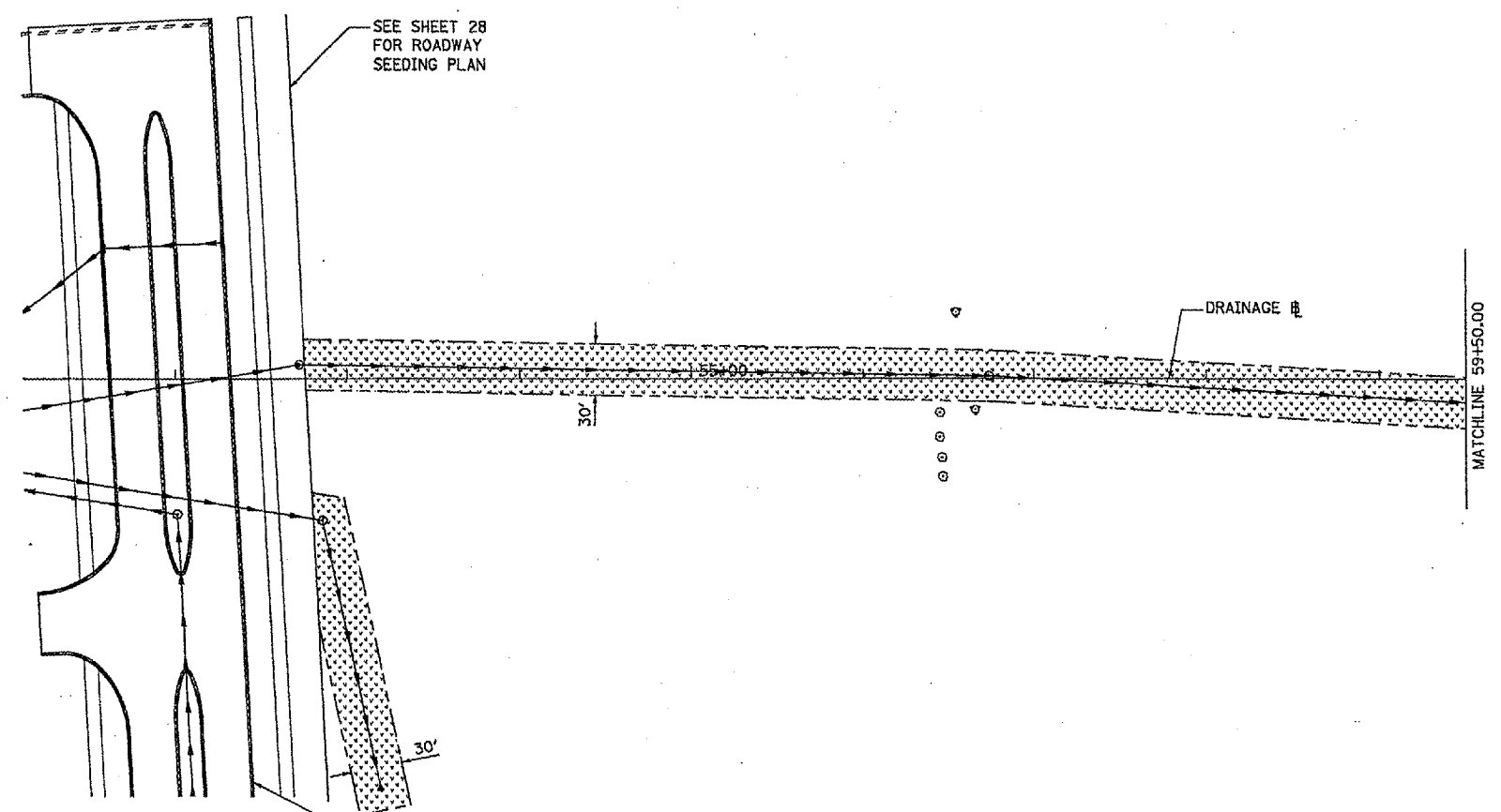
- ALL PERMANENT SEEDING AREAS SHALL RECEIVE 4" OR 12" OF TOPSOIL AS SPECIFIED AND BE HYDRO MULCHED WITH A BONDED FIBER MATRIX ACCORDING TO THE SPECIFIED MULCH METHOD 3, SPECIAL SEEDING AND HYDRO MULCHING SHALL OCCUR WITHIN 72 HOURS OF ENGINEER'S ACCEPTANCE OF TOPSOIL PLACEMENT.
- ANY DISTURBED AREAS OUTSIDE THE PAY LIMITS INDICATED HERE SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- SEE EROSION CONTROL PLAN (SHEET 17) FOR TEMPORARY EROSION CONTROL SEEDING AREA.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 05-00001-01-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD
SEEDING PLAN
SCALE: AS SHOWN
DATE 05/18/06
DRAWN BY MWH
CHECKED BY CPS

HANSON
Hanson Professional Services Inc.
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LAYOUT MWH 05/07/06
DRAWN MWH 05/03/06
REVIEWED CSC 05/17/06
05/09/06 09:44 AM
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	29
STA. 50+00.00		TO STA. 59+50.00		
C# 87319 ILLINOIS FED. AID PROJECT				

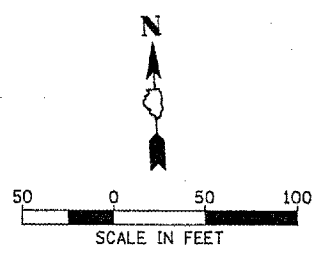


LEGEND

- LIMIT OF SEEDING
- [Pattern: Dotted] SEEDING CLASS 1 LAWN MIX
- [Pattern: Horizontal Lines] EMERGENT / SHORELINE SEED MIX
- [Pattern: Vertical Lines] PRAIRIE SEED MIX

NOTES:

1. ALL PERMANENT SEEDING AREAS SHALL RECEIVE 4" OF TOPSOIL AND BE HYDRO MULCHED WITH A BONDED FIBER MATRIX ACCORDING TO THE SPECIFIED MULCH METHOD 3, SPECIAL. SEEDING AND HYDRO MULCHING SHALL OCCUR WITHIN 72 HOURS OF ENGINEER'S ACCEPTANCE OF TOPSOIL PLACEMENT.
2. ANY DISTURBED AREAS OUTSIDE THE PAY LIMITS INDICATED HERE SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. SEE EROSION CONTROL PLAN (SHEET 17) FOR TEMPORARY EROSION CONTROL SEEDING AREA.



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LAYOUT: MWH 02/14/06 (mwh)
 DRAWN: MWH 04/27/06 (05/06/2006, 07/21/06)
 REVISIONS: CPS 05/17/06 (A05, 05/15/06)

REVISIONS	
NAME	DATE

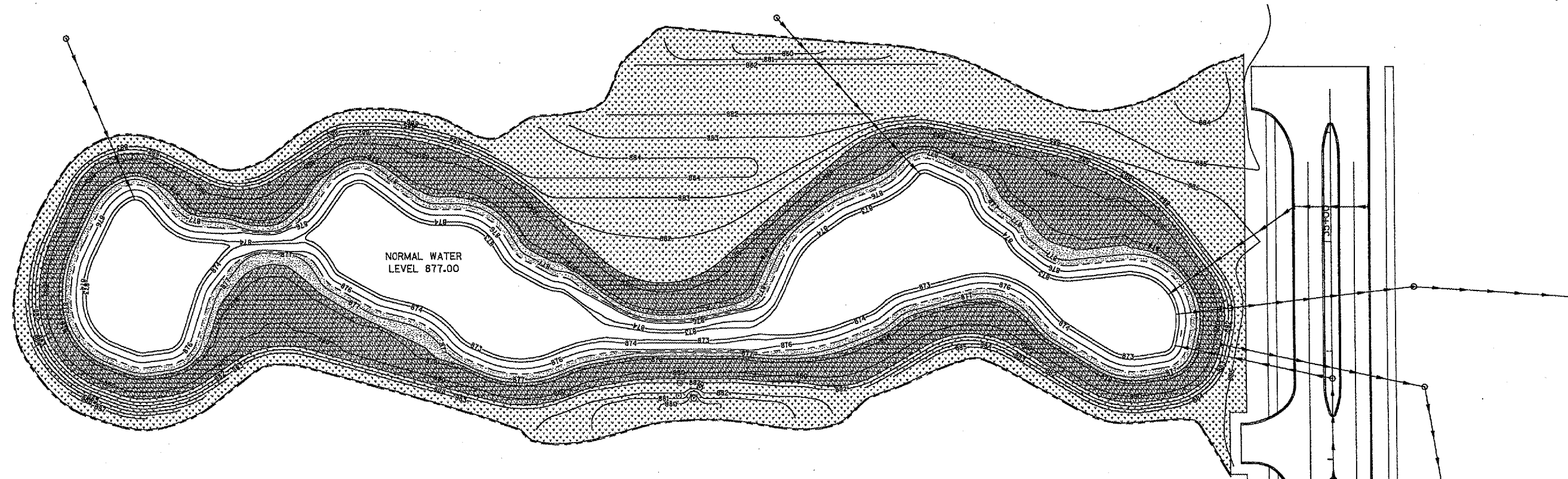
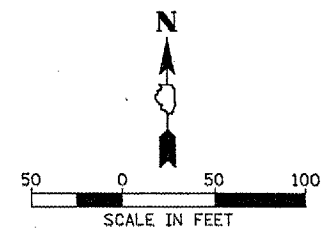
ILLINOIS DEPARTMENT OF TRANSPORTATION
 SECTION 05-00001-01-PV
 DEKALB COUNTY
 NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD

SEEDING PLAN

SCALE: AS SHOWN
 DATE: 05/18/06

DRAWN BY: MWH
 CHECKED BY: CRC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	30
STA.		TO STA.		
C# 87319		ILLINOIS FED. AID PROJECT		



NORMAL WATER LEVEL 877.00

LEGEND

- LIMIT OF SEEDING
- [Dotted pattern] SEEDING CLASS 1 LAWN MIX (ABOVE EL 881)
- [Cross-hatch pattern] EMERGENT / SHORELINE SEED MIX (EL 876.5 TO 877.5)
- [Diagonal lines] PRAIRIE SEED MIX (EL 877.5 TO 881)

NOTES:

1. ALL PERMANENT SEEDING AREAS SHALL RECEIVE 4" OF TOPSOIL AND BE HYDRO MULCHED WITH A BONDED FIBER MATRIX ACCORDING TO THE SPECIFIED MULCH METHOD 3, SPECIAL SEEDING AND HYDRO MULCHING SHALL OCCUR WITHIN 72 HOURS OF ENGINEER'S ACCEPTANCE OF TOPSOIL PLACEMENT.
2. ANY DISTURBED AREAS OUTSIDE THE PAY LIMITS INDICATED HERE SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. SEE EROSION CONTROL PLAN (SHEET 17) FOR TEMPORARY EROSION CONTROL SEEDING AREA.

SEE SHEET 28 FOR ROADWAY SEEDING PLAN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SECTION 05-00001-01-PV
DEKALB COUNTY
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS ROAD

SEEDING PLAN

SCALE: AS SHOWN
DATE: 05/18/06

DRAWN BY: MWH
CHECKED BY: CPS

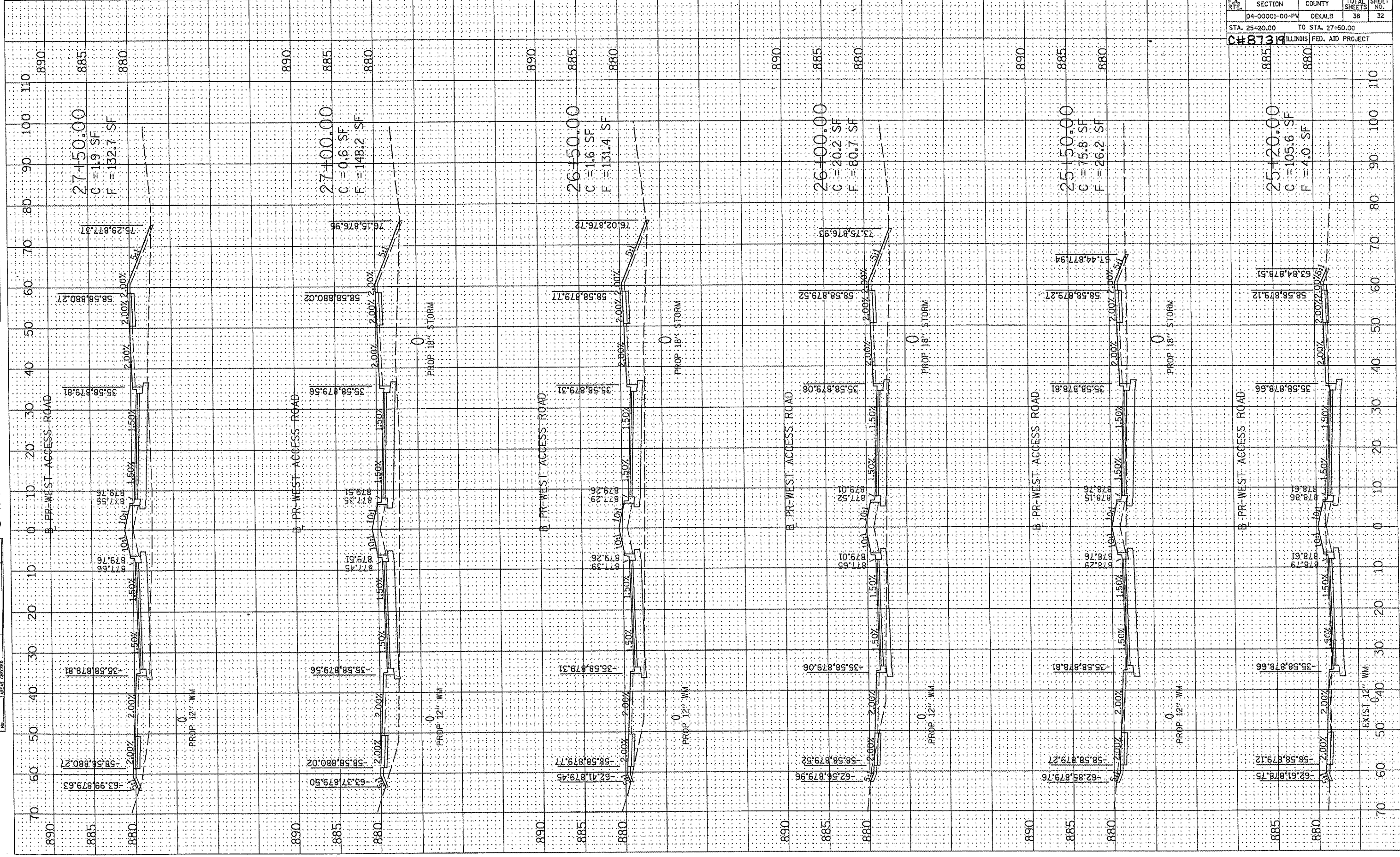
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LAYOUT: MWH 02/23/06
 DRAWN: MWH 04/27/06
 REVIEWED: CPS 05/17/06

ORIGINAL SURVEY	DATE
FLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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FINAL SURVEY	DATE
FLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	38	32
STA. 25+20.00		TO STA. 27+50.00		
C#8719 ILLINOIS FED. AID PROJECT				

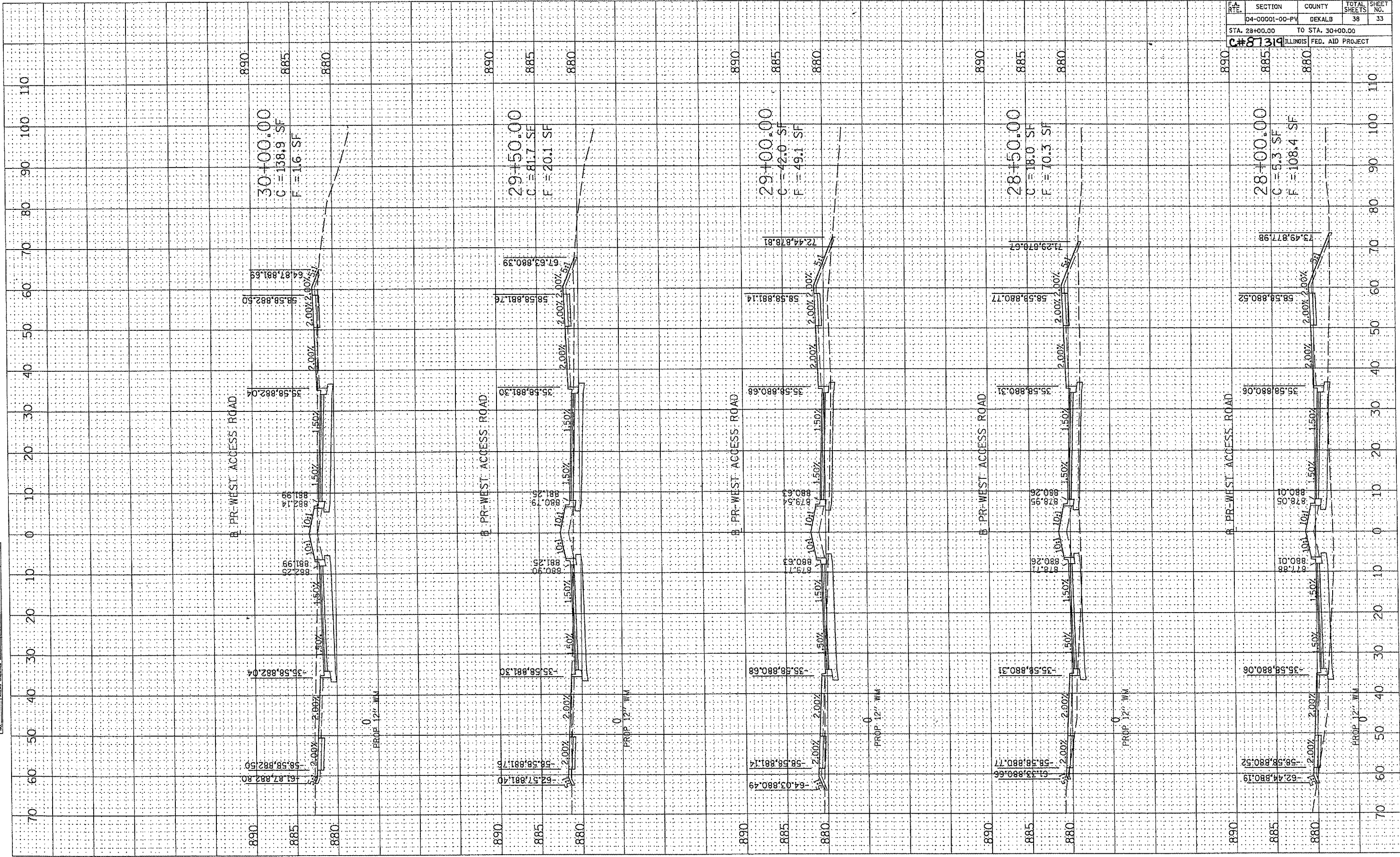
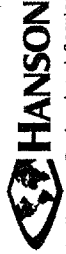
ORIGINAL SURVEY PLOTTED NOTE BOOK NO. BY DATE

FINAL SURVEY PLOTTED NOTE BOOK NO. BY DATE

ORIGINAL SURVEY PLOTTED NOTE BOOK NO. BY DATE

ORIGINAL SURVEY PLOTTED NOTE BOOK NO. BY DATE

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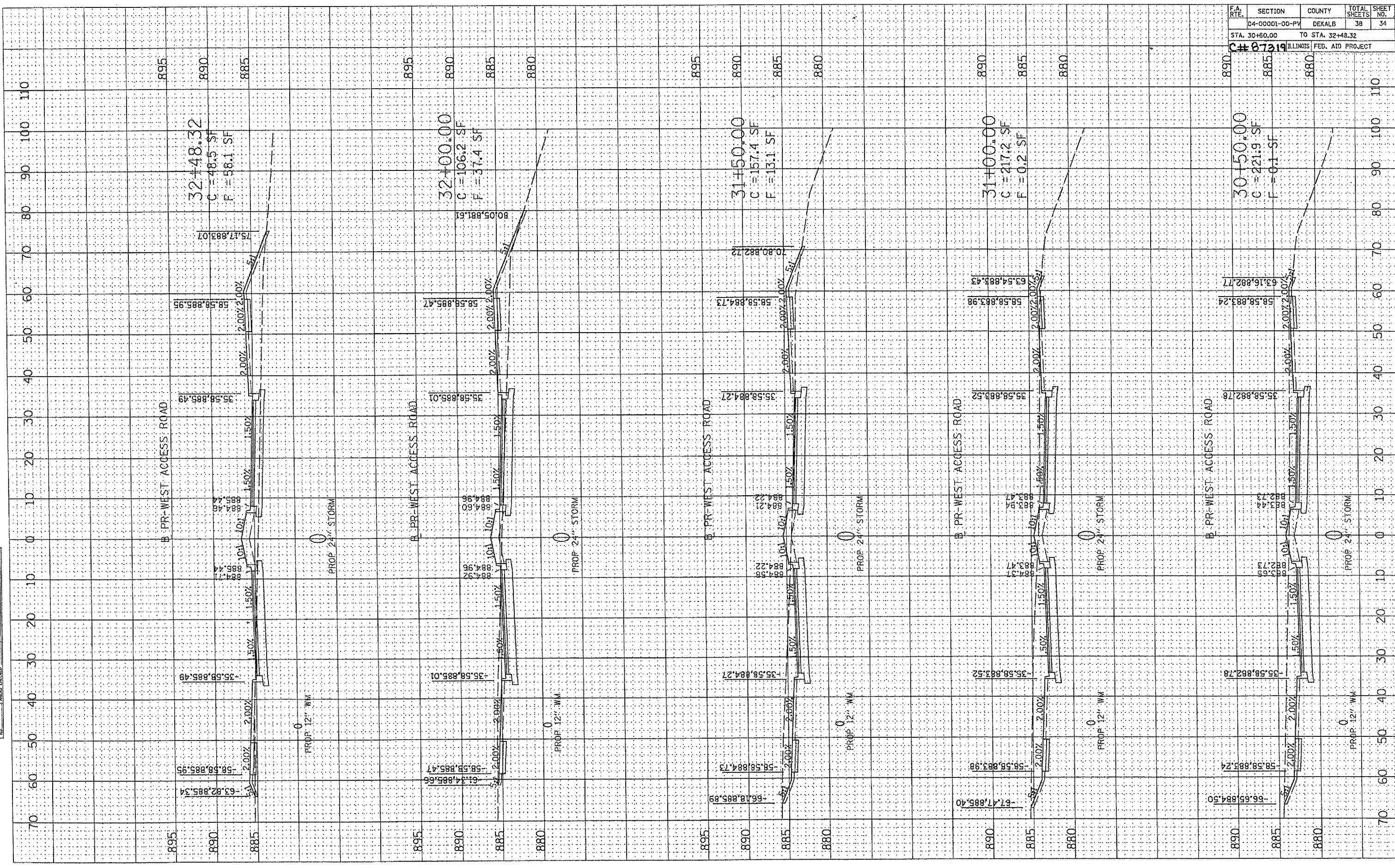


F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4-00001-00-PV	DEKALB	38	33
STA. 28+00.00		TO STA. 30+00.00		
ILLINOIS FED. AID PROJECT				

STATION	ELEVATION	SECTION	WIDTH	AREA
890				
885	30+00.00		C = 138.9 SF	
880			F = 16 SF	
890				
885	29+50.00		C = 81.7 SF	
880			F = 20.1 SF	
890				
885	29+00.00		C = 42.0 SF	
880			F = 49.1 SF	
890				
885	28+50.00		C = 18.0 SF	
880			F = 70.3 SF	
890				
885	28+00.00		C = 5.3 SF	
880			F = 108.4 SF	

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		



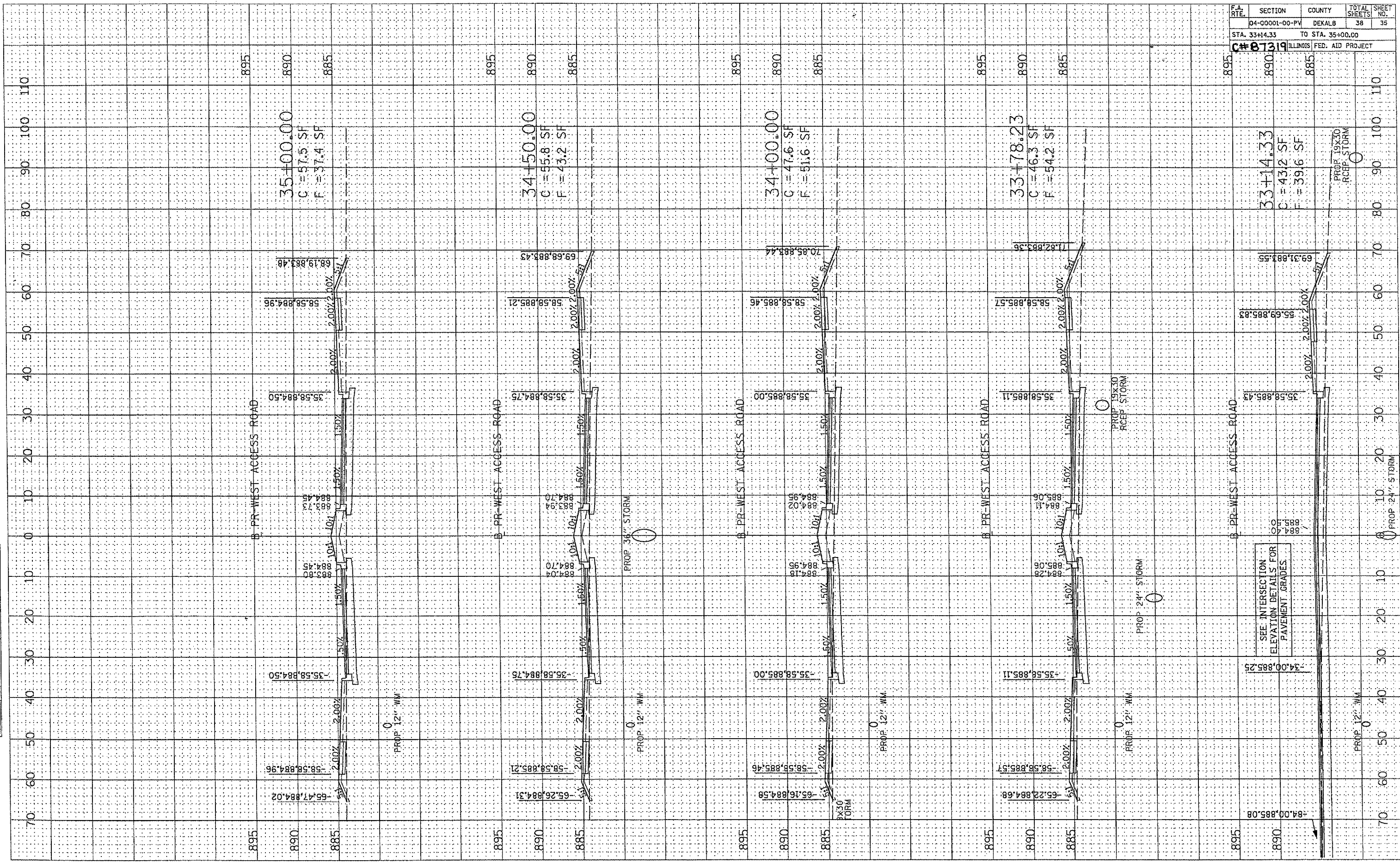
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	38	34
STA. 30+50.00		TO STA. 32+48.32		
C# 07319 ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	DATE
SAVED PLOT	
NOTE BOOK	
AREAS CHECKED	

FINAL SURVEY	DATE
SAVED PLOT	
NOTE BOOK	
AREAS CHECKED	



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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	38	35
STA. 33+14.33		TO STA. 35+00.00		
C#87319 ILLINOIS FED. AID PROJECT				

SEE INTERSECTION ELEVATION DETAILS FOR PAVEMENT GRADES

PROP. 19X30 RCEP. STORM

PROP. 12" WM

PROP. 24" STORM

PROP. 12" WM

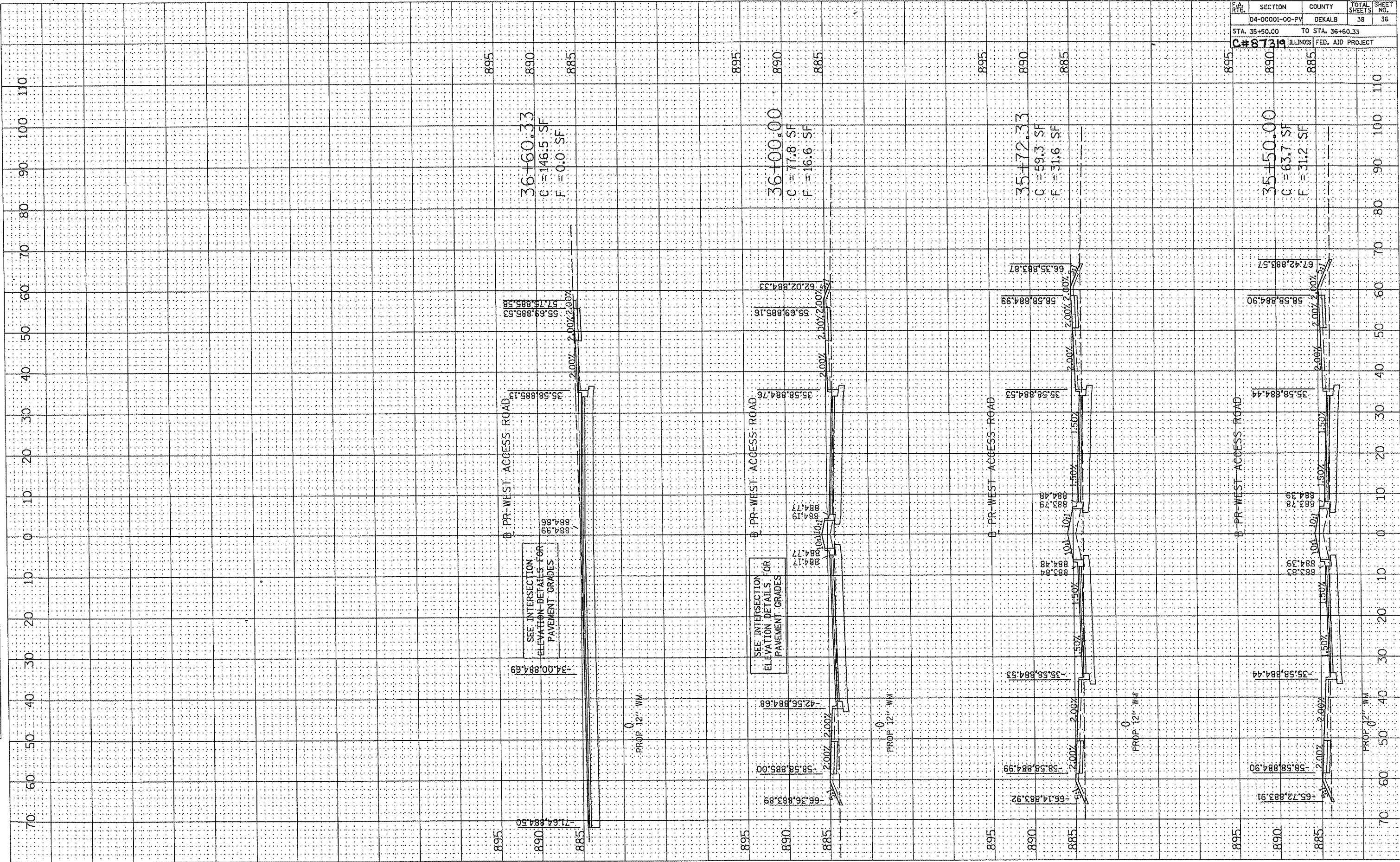
ORIGINAL SURVEY PLOTTED NOTE BOOK AREAS CHECKED

DATE BY

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FINAL SURVEY PLOTTED NOTE BOOK AREAS CHECKED

DATE BY



F.A. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00001-00-PV	DEKALB	38	36
STA. 35+50.00		TO STA. 36+60.33		
#87319 ILLINOIS FED. AID PROJECT				

SEE INTERSECTION ELEVATION-DETAILS FOR PAVEMENT GRADES

SEE INTERSECTION ELEVATION-DETAILS FOR PAVEMENT GRADES

PR-WEST ACCESS ROAD

PR-WEST ACCESS ROAD

PR-WEST ACCESS ROAD

PR-WEST ACCESS ROAD

36+60.33
C = 146.5 SF
F = 0.0 SF

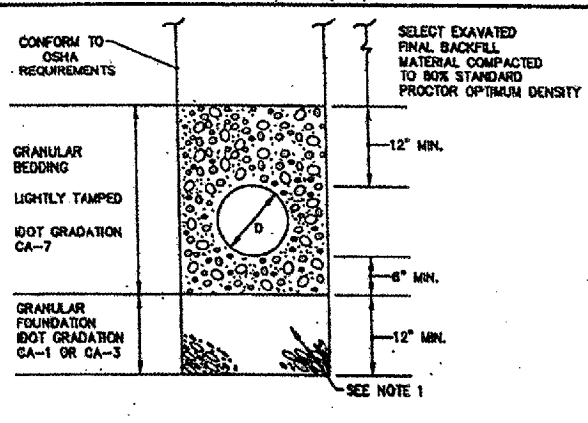
36+00.00
C = 77.8 SF
F = 16.6 SF

35+72.33
C = 59.3 SF
F = 31.6 SF

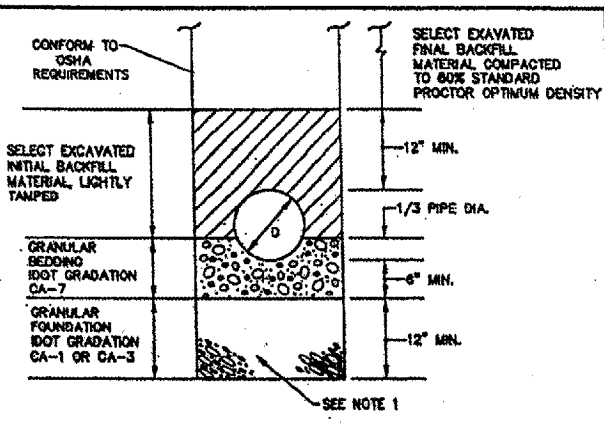
35+50.00
C = 63.7 SF
F = 11.2 SF

87319

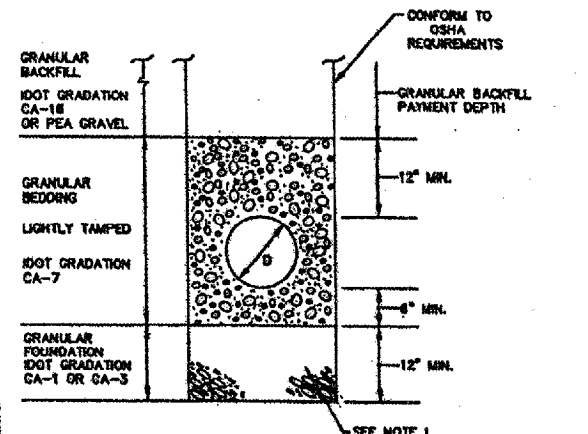
TOTAL SHEETS	38	SHEET NO.	37
PROJECT	M-5017 (36)		
Sheet 1 of 2			



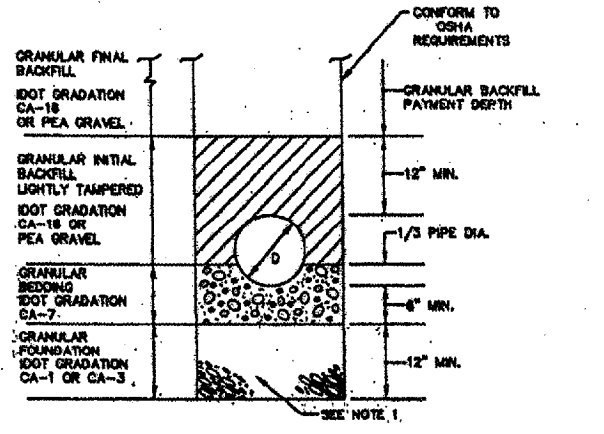
BEDDING AND BACKFILL REQUIREMENTS FOR POLYVINYL CHLORIDE (PVC) SEWERS IN NON-STRUCTURAL LOCATIONS



BEDDING AND BACKFILL REQUIREMENTS FOR DUCTILE IRON PIPE SEWERS IN NON-STRUCTURAL LOCATIONS

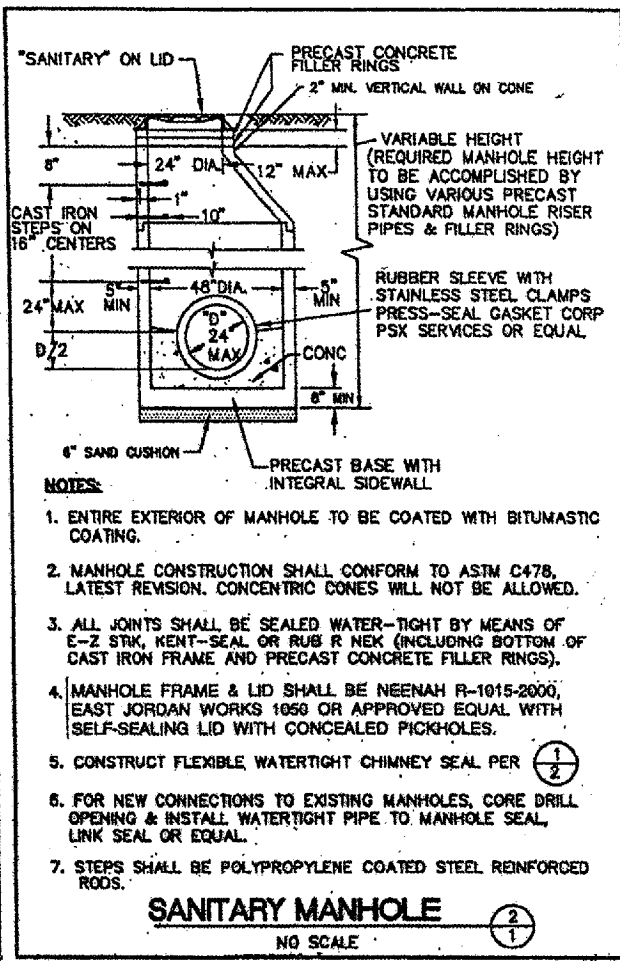


BEDDING AND BACKFILL REQUIREMENTS FOR POLYVINYL CHLORIDE (PVC) SEWERS IN STRUCTURAL LOCATIONS



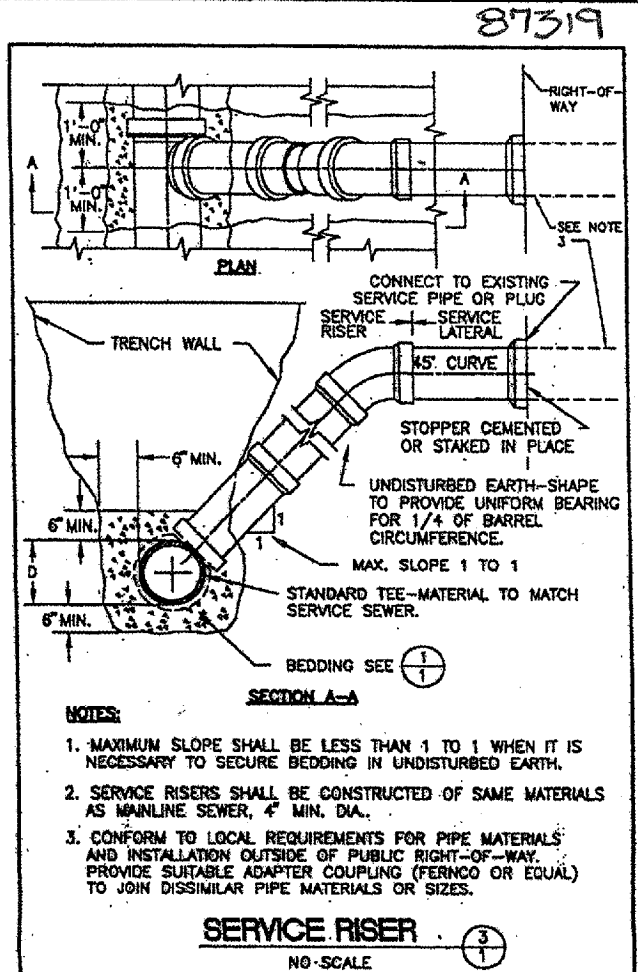
BEDDING AND BACKFILL REQUIREMENTS FOR DUCTILE IRON PIPE SEWERS IN STRUCTURAL LOCATIONS

NOTE 1
CONSTRUCT GRANULAR FOUNDATION WHERE UNSUITABLE MATERIAL OR WET CONDITIONS ARE ENCOUNTERED AT BOTTOM OF TRENCH



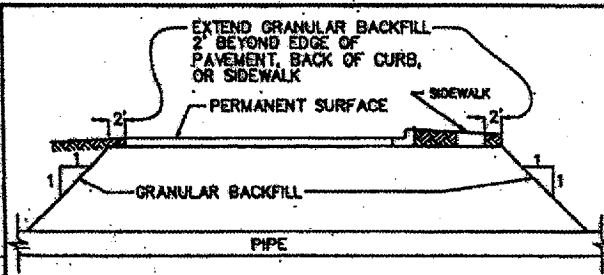
- NOTES:**
- ENTIRE EXTERIOR OF MANHOLE TO BE COATED WITH BITUMASTIC COATING.
 - MANHOLE CONSTRUCTION SHALL CONFORM TO ASTM C478, LATEST REVISION. CONCENTRIC CONES WILL NOT BE ALLOWED.
 - ALL JOINTS SHALL BE SEALED WATER-TIGHT BY MEANS OF E-Z STRK, KENT-SEAL OR RUB R NEK (INCLUDING BOTTOM OF CAST IRON FRAME AND PRECAST CONCRETE FILLER RINGS).
 - MANHOLE FRAME & LID SHALL BE NEENAH R-1015-2000, EAST JORDAN WORKS 1050 OR APPROVED EQUAL WITH SELF-SEALING LID WITH CONCEALED PICKHOLES.
 - CONSTRUCT FLEXIBLE WATERTIGHT CHIMNEY SEAL PER $\frac{1}{2}$
 - FOR NEW CONNECTIONS TO EXISTING MANHOLES, CORE DRILL OPENING & INSTALL WATERTIGHT PIPE TO MANHOLE SEAL, LINK SEAL OR EQUAL.
 - STEPS SHALL BE POLYPROPYLENE COATED STEEL REINFORCED RODS.

SANITARY MANHOLE
NO SCALE



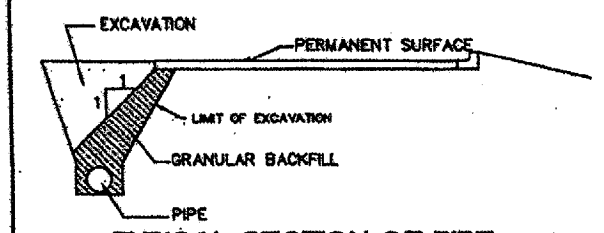
- NOTES:**
- MAXIMUM SLOPE SHALL BE LESS THAN 1 TO 1 WHEN IT IS NECESSARY TO SECURE BEDDING IN UNDISTURBED EARTH.
 - SERVICE RISERS SHALL BE CONSTRUCTED OF SAME MATERIALS AS MAINLINE SEWER, 4\"/>
 - CONFORM TO LOCAL REQUIREMENTS FOR PIPE MATERIALS AND INSTALLATION OUTSIDE OF PUBLIC RIGHT-OF-WAY. PROVIDE SUITABLE ADAPTER COUPLING (FERROCO OR EQUAL) TO JOIN DISSIMILAR PIPE MATERIALS OR SIZES.

SERVICE RISER
NO SCALE

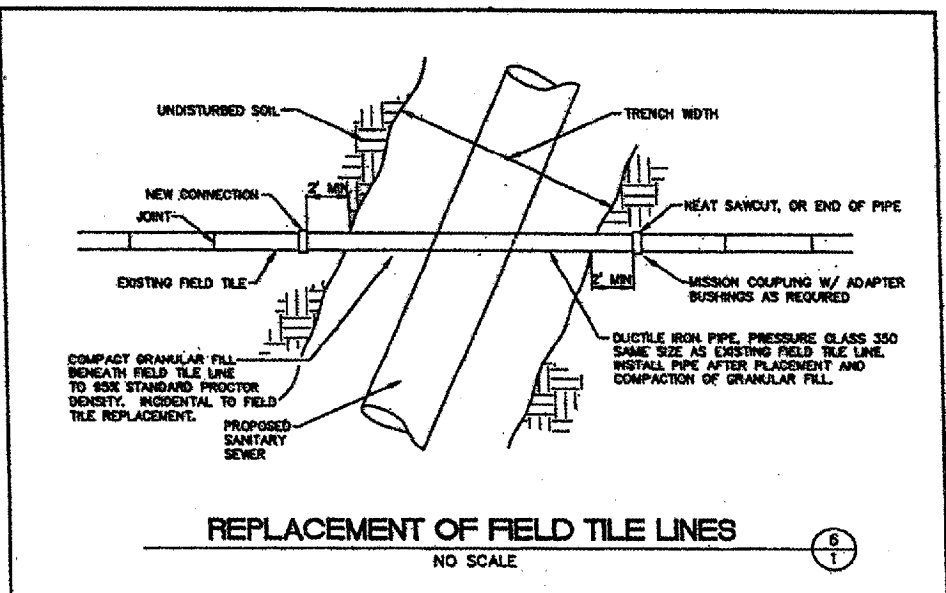


TYPICAL SECTION OF PIPE CROSSING UNDER PERMANENT SURFACE

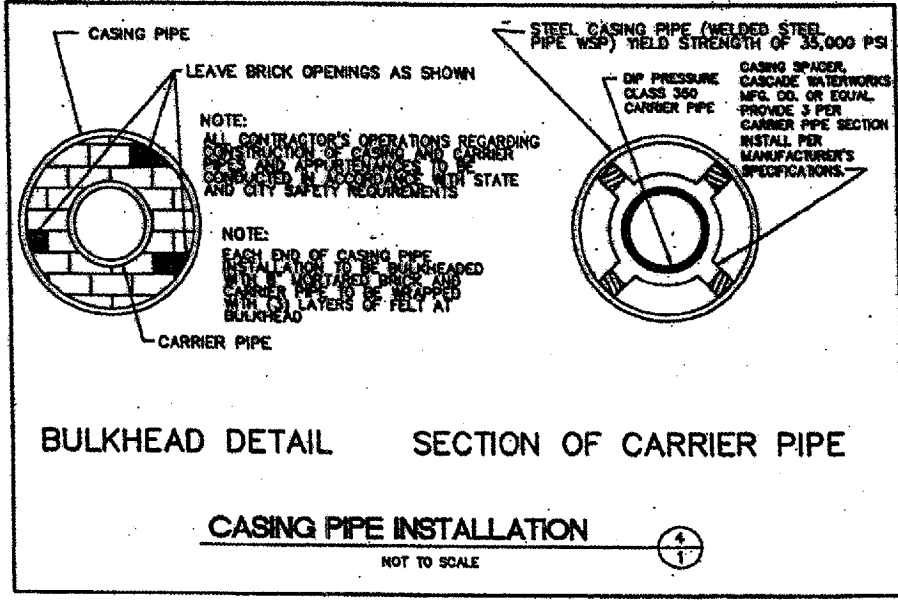
NOTE:
THESE SECTIONS APPLY WHEREVER PIPE IS ADJACENT TO; OR CROSSES UNDER A ROADWAY, PARKING LOT, SIDEWALK, DRIVEWAY, STRUCTURE OR PAVEMENT.



TYPICAL SECTION OF PIPE PARALLEL TO PERMANENT SURFACE
NO SCALE



REPLACEMENT OF FIELD TILE LINES
NO SCALE



BULKHEAD DETAIL SECTION OF CARRIER PIPE

CASING PIPE INSTALLATION
NOT TO SCALE

REV.	DATE	REMARKS

BELING CONSULTANTS
DESIGNED: DLS
DRAWN: EMK
CHECKED: MLP
DATE: 7/14/97

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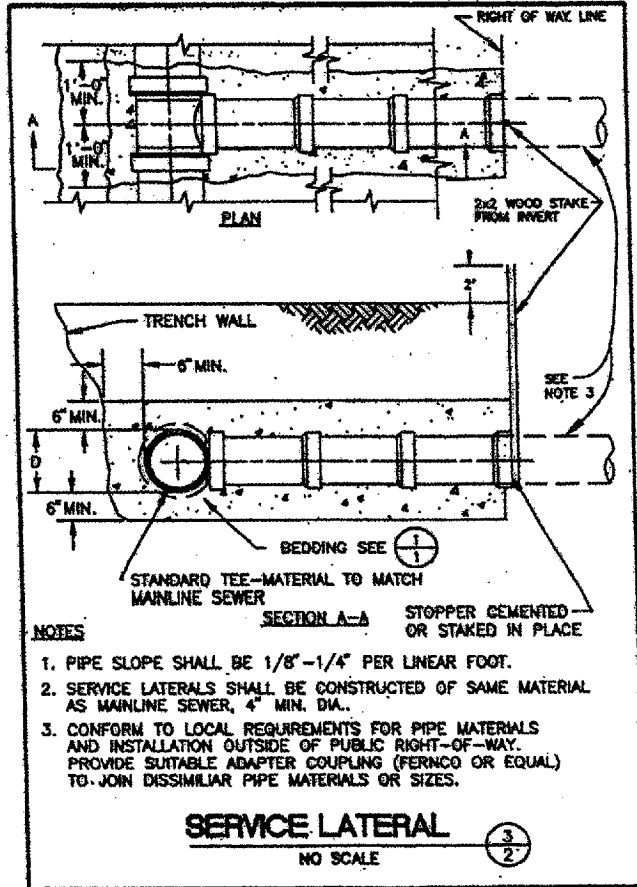
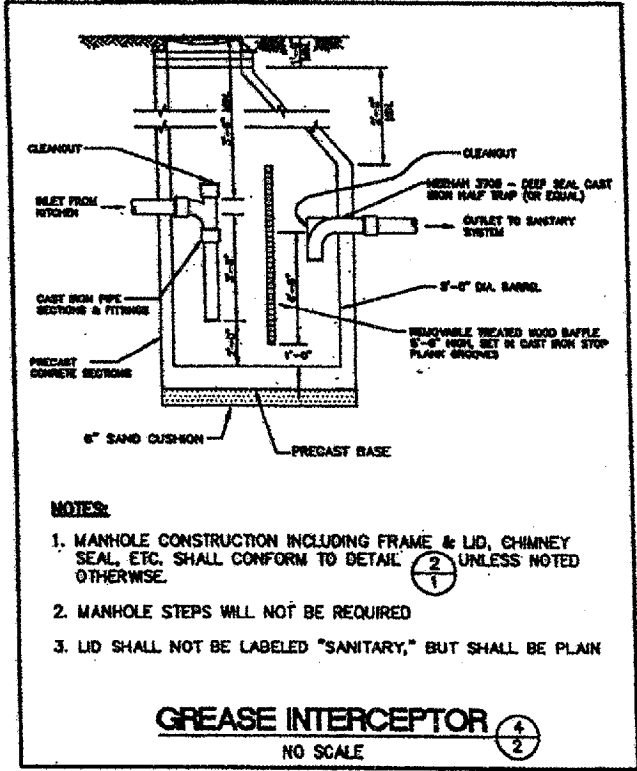
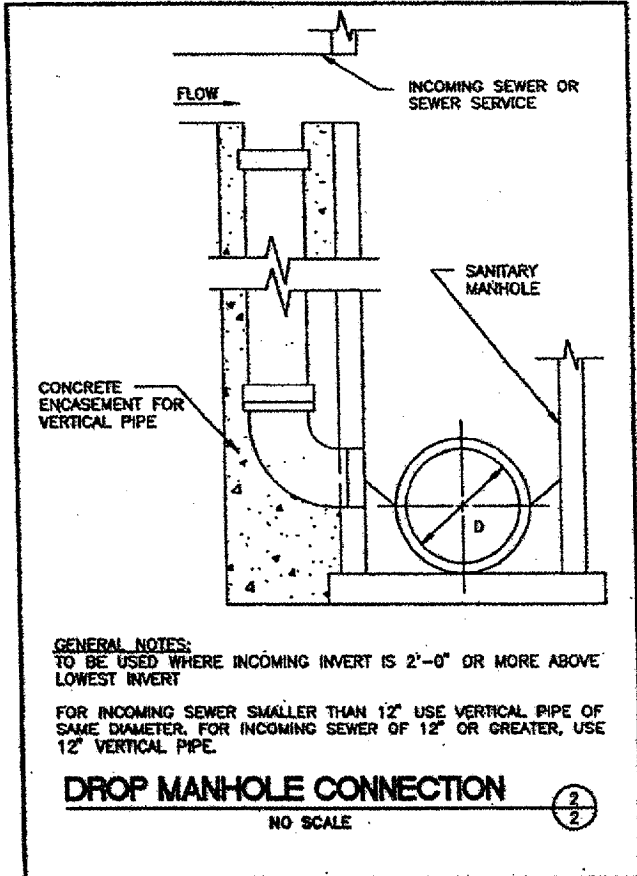
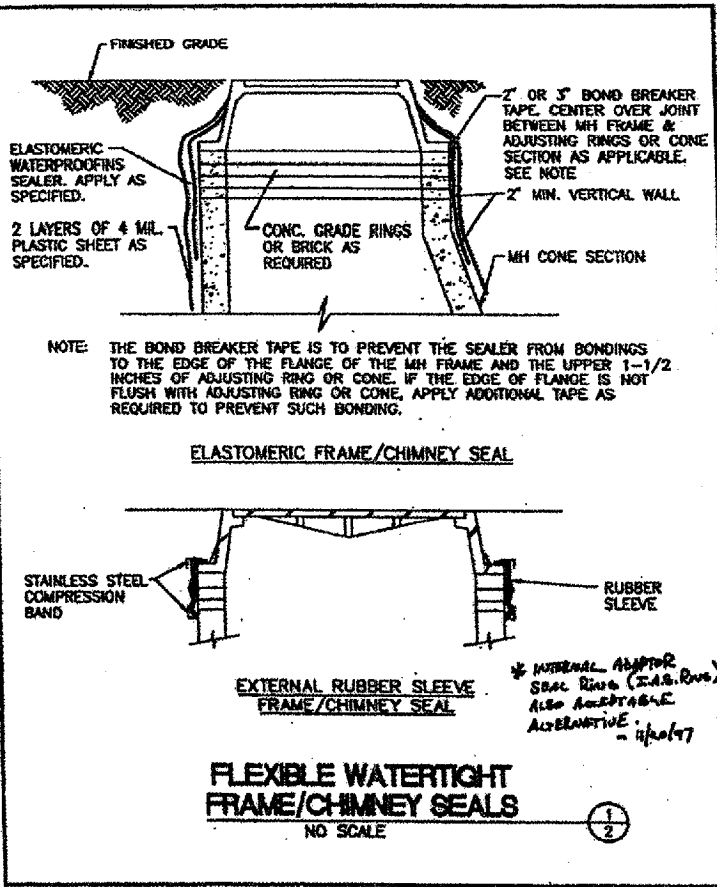
STANDARD DETAILS
DEKALB SANITARY DISTRICT
DEKALB ILLINOIS

SECTION 05-0001-01-PV

05/07/0006, 02.39, PV
 05/03/0005/1252/CADD/Rev01 Sheet C-504-SDET.dgn

07319

TOTAL SHEETS	38	SHEET NO.	38
PROJECT	M-5017 (36)		



- GENERAL NOTES:**
- SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
 - SEWERS, RISERS, AND SERVICE LATERALS MAY BE CONSTRUCTED OF EITHER DIP OR PVC PIPE WITH BEDDING AS INDICATED. CARRIER PIPES, MUST BE CONSTRUCTED OF DIP PIPE AS SPECIFIED BELOW.
DUCTILE IRON PIPE: AWWA C151; THICKNESS AWWA C150; INTERIOR CEMENT LINING AND BITUMINOUS COATINGS; EXTERIOR COAL TAR COATING, AWWA C104, PRESSURE CLASS 350. JOINTS SHALL BE AWWA C111 RUBBER RING SLIP SEAL OR PUSH-ON TYPE.
POLYVINYL CHLORIDE (PVC) PIPE: ASTM D3034, HEAVY WALL SEWER PIPE; SDR-26. JOINTS SHALL BE ASTM D3212 FLEXIBLE ELASTOMERIC SEALS.
 - CONTRACTOR SHALL NOTIFY THE DEKALB SANITARY DISTRICT AND THE CITY OF DEKALB (IF IN PUBLIC RIGHT-OF-WAY) 24 HOURS IN ADVANCE OF THE BEGINNING OF SANITARY SEWER CONSTRUCTION.
 - FULL LENGTH OF SANITARY SEWERS SHALL BE TESTED AS SPECIFIED IN DIVISION 3, SECTION 31 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. THE CONTRACTOR SHALL NOTIFY THE DEKALB SANITARY DISTRICT 48 HOURS IN ADVANCE OF THE TESTING PROCEDURES. A REPRESENTATIVE OF THE DEKALB SANITARY DISTRICT MUST BE PRESENT TO OBSERVE THE TESTING PROCEDURES. TESTING WILL INCLUDE LOW PRESSURE AIR TESTING, DEFLECTION TESTING OF FLEXIBLE PIPE, AND PIPE LAMPING.
 - SANITARY MANHOLE FRAME/CHIMNEY SEAL SHALL CONSIST OF AN EXTERNAL RUBBER SLEEVE MANUFACTURED BY CRETEX SPECIALTY PRODUCTS OR AN ELASTOMERIC FRAME/CHIMNEY SEAL. THE ELASTOMERIC FRAME/CHIMNEY SEAL SHALL BE A SINGLE COMPONENT MOISTURE CURING POLYURETHANE ACCEPTABLE PRODUCTS:
TRENPROOF 66
DURAMEN V500
THODOCK OF
SKAFLEX IA
BOND BREAKER MATERIAL SHALL BE POLYETHYLENE TAPE, 2 TO 3 INCHES WIDE WITH ONE SIDE HAVING ADHESIVE WHICH WILL READILY ADHERE TO IRON AND MASONRY. THE OTHER SIDE SHALL BE TREATED OR COATED TO POSITIVELY PREVENT A BOND WITH THE ELASTOMERIC SEALER. BOND BREAKER SHALL BE COMPATIBLE FOR USE WITH THE SEALER AND SHALL BE FURNISHED OR RECOMMENDED BY THE SEALER SUPPLIER.
PRIMER AND CLEANER SHALL BE AS RECOMMENDED OR FURNISHED BY THE SEALER SUPPLIER.
THE FRAME/CHIMNEY SEAL SHALL BE INSTALLED IN SUFFICIENT HEIGHT TO COVER THE FRAME/CHIMNEY JOINT AND ANY JOINTS ABOVE AND BELOW ANY PRECAST ADJUSTMENT RINGS.
 - INSTALLATION OF FRAME/CHIMNEY SEAL:
A. INSTALL SEALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
B. POWER BRUSH TO ENSURE SURFACE TO RECEIVE SLEEVE IS CIRCULAR, CLEAN, REASONABLY SMOOTH, AND FREE OF LOOSE MATERIAL AND VOIDS.
C. EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL:
(1) WHEN SURFACE IS ROUGH OR IRREGULAR, CORRECT WITH APPROVED LOW-SHRINK MORTAR.
(2) FILL ALL MINOR IRREGULARITIES WITH BUTYL RUBBER SEALANT.
(3) PLACE RUBBER SLEEVE IN POSITION AROUND MANHOLE AND TIGHTEN STAINLESS STEEL BANDS TO PROVIDE WATERTIGHT SEAL.
(4) SHORT:
(a) WRAP AROUND LOWER PORTION OF CHIMNEY BEFORE BOTTOM BAND IS INSTALLED, AND EXTENDED OVER LOWER BAND RECESS.
(b) PULL SHORT TIGHT AND SOLVENT-WELDED OVERLAPPED ENDS.
(c) TIGHTEN BOTTOM BANDS.
D. ELASTOMERIC FRAME/CHIMNEY SEAL:
(1) FILL DEPRESSIONS WHICH ARE GREATER THAN 1/4" HIGH WITH MORTAR.
(2) ALL SURFACES SHALL BE FREE OF DUST, OIL, RUST, LOOSE MATERIALS AND OTHER CONTAMINANTS, Wipe with CLEANER.
(3) APPLY BOND BREAKER TAPE COMPLETELY AROUND MANHOLE, CENTERED OVER THE JOINT BETWEEN THE CASTING AND ADJACENT MASONRY.
(4) APPLY PRIMER IMMEDIATELY AFTER CLEANING.
(5) APPLY SEALER WITH TROWEL, ROLLER OR SPRAYER TO ACHIEVE A THICKNESS OF NOT LESS THAN 100 WET MILS. DO NOT APPLY WHEN TEMPERATURE IS BELOW 40 DEGREES AND FALLING. APPLY SEALER 8 INCHES UP ON THE CASTING, OVER ADJUSTING RINGS, AND A MINIMUM 6 INCHES BELOW THE TOP OF THE PRECAST CONE SECTION.
(6) ALLOW SEALER TO CURE 48 HOURS PRIOR TO BACKFILLING.
(7) IMMEDIATELY BEFORE BACKFILLING, LOOSELY WRAP TWO LAYERS OF 4 MIL. PLASTIC SHEET OVER THE SEALED AREA TO PREVENT DIRECT CONTACT WITH BACKFILL.
 - SANITARY MANHOLE TESTING
ALL NEW MANHOLES TO BE TESTED WITH VACUUM TESTER AS FOLLOWS:
Sheet 2 of 2
A. THE CONTRACTOR SHALL NOTIFY THE DEKALB SANITARY DISTRICT 48 HOURS IN ADVANCE OF THE TESTING PROCEDURE.
B. CONTRACTOR SHALL TEST MANHOLE FROM TOP OF CONE SECTION ON DOWN. TESTING OF ADJUSTING RINGS AND THE FRAME TO MANHOLE JOINT IS NOT REQUIRED.
C. PLUG ALL INCOMING AND OUTGOING SEWER AND SERVICE LINES AND RESTRAIN PLUGS.
D. REMOVE LID AND PLACE VACUUM TESTER HEAD ON TOP PORTION OF CONE SECTION.
E. DRAW VACUUM OF 10 INCHES HG.
F. TIME FOR VACUUM TO DROP TO 9 INCHES HG SHALL NOT BE LESS THAN 40, 50, OR 60 SECONDS FOR MANHOLE DIAMETERS OF 48, 60, AND 72 INCHES RESPECTIVELY.
(1) FOR MANHOLES DEEPER THAN 20 FEET, TEST TIMES SHALL BE INCREASED BY 2 SECONDS PER FOOT OF ADDITIONAL MANHOLE DEPTH.
G. MANHOLES THAT FAIL SHALL BE SEALED AND RETESTED BY CONTRACTOR AT NO ADDITIONAL COMPENSATION UNTIL MANHOLE IS ABLE TO PASS TEST.
H. SEQUENCE OF MANHOLE CONSTRUCTION, TESTING
1. CONSTRUCT MANHOLE WITH LID/CASTING SET TO APPROXIMATE FINISHED GRADE. LID MUST BE EXPOSED.
2. PERFORM SANITARY MANHOLE TESTING IN CONFORMANCE WITH NOTE 7.
3. ISOLATE AND REPAIR ANY LEAKING JOINTS, PIPE SEALS, ETC. OBTAIN PRE-APPROVAL OF REPAIR MATERIALS AND METHODS FROM DEKALB SANITARY DISTRICT. LEAKS MUST BE REPAIRED EXTERNALLY. "WIPING" OF MORTAR OR SEALANTS ON INSIDE SURFACE OF MANHOLE WILL NOT BE ACCEPTED. RETEST MANHOLE.
4. THE DEKALB SANITARY DISTRICT WILL APPROVE THE PROJECT MANHOLES FOR PURPOSES OF OBTAINING OCCUPANCY PERMITS, ONCE ALL MANHOLES HAVE BEEN SUCCESSFULLY VACUUM TESTED.
5. ONCE THE LEVELING BINDER FOR THE STREET HAS BEEN CONSTRUCTED, ADJUST MANHOLE TO FINAL GRADE AND INSTALL FRAME/CHIMNEY SEALS.
6. CONTACT DEKALB SANITARY DISTRICT FOR FINAL VISUAL INSPECTION OF FRAME/CHIMNEY SEAL INSTALLATIONS.
I. SYSTEM ISOLATION
THE DEKALB SANITARY DISTRICT WILL INSTALL ISOLATION PLUG(S) TO PROTECT THE "LIVE" DOWNSTREAM SANITARY SEWERS FROM EXTRANEOUS WATER AND DEBRIS DURING THE SEWER CONSTRUCTION.
THE PLUGS WILL NOT BE REMOVED UNTIL THE NEW SEWERS HAVE PASSED THE REQUIRED TESTS AND INSPECTIONS AND AT SUCH TIME THAT THE DISTRICT DETERMINES TO BE APPROPRIATE.
TAMPERING WITH OR REMOVAL OF THE ISOLATION PLUGS IS A VIOLATION OF DEKALB SANITARY DISTRICT ORDINANCE NO. 259. ANY PERSON VIOLATING SAID ORDINANCE PROVISION IS SUBJECT TO FINES, LEGAL ACTION AND IMMEDIATE ARREST.
J. RECORD DRAWINGS
THE CONTRACTOR SHALL SUPPLY THROUGH HIS ENGINEER THE DISTRICT WITH TWO SETS OF RECORD DRAWINGS. ONE SET IS TO BE A MYLAR COPY AND ONE SET IS TO BE A BLUELINE OR "XEROX" COPY. THE RECORD DRAWINGS SHALL INDICATE ANY CHANGES FROM ORIGINAL PLANS.
THE RECORD DRAWINGS SHALL INCLUDE THE FOLLOWING: 1) THE RM AND INVERT ELEVATIONS (USGS/MSL DATUM), 2) THE X GRADE, SIZE, PIPE MATERIAL AND DISTANCE FROM MANHOLE TO MANHOLE, 3) THE DISTANCE FROM A DEFINED MANHOLE TO EACH SERVICE WYE OR TEE AND THE LOCATION OF LATERALS AT LOT PROPERTY LINES (MEASURED FROM LOT LINE PINS), 4) SIZE & MATERIAL SERVICE LATERALS ARE MADE OF.
RECORD DRAWINGS ARE TO BE LABELED "RECORD DRAWINGS", AND DATED AND SIGNED BY AN ENGINEER LICENSED IN THE STATE OF ILLINOIS.
K. PROJECT COMPLETION/ACCEPTANCE
TO ASSURE A TIMELY ACCEPTANCE OF THE NEW SEWER, ALL DEFICIENCIES SHALL BE NOTED DURING THE DISTRICT'S INSPECTIONS AND SHALL BE CORRECTED PRIOR TO FINAL INSPECTION. THE PLACEMENT OF A NEW SYSTEM INTO SERVICE OR THE ISSUANCE OF OCCUPANCY PERMITS MAY BE JEOPARDIZED UNTIL ALL REQUIREMENTS ARE COMPLETED.

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REV.	DATE	REMARKS

DESIGNED: DLR
 DRAWN: EMK
 CHECKED: MLP
 DATE: 7/14/97

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PRELIMINARY
 FINAL
 RECORD

GENERAL NOTES AND DETAILS

DEKALB SANITARY DISTRICT

DEKALB ILLINOIS

SECTION	05-0001-01-PV
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