

PLANS FOR PROPOSED INTERSECTION CONSTRUCTION FEDERAL PROJECT NUMBER TCSP-06IL (001) US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY 32

CALL J.U.L.I.E.
BEFORE DIGGING
800-892-0123

Total Sheets
21

SECTION NO. 05-00348-01-WR CITY OF GALESBURG C-94-115-06

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QUANTITY
1	20013798	CONSTRUCTION LAYOUT	L.S.	1
2	20200100	EARTH EXCAVATION	C.Y.	6284
3	20200500	EARTH EXCAVATION (WIDENING)	C.Y.	365
4	20800150	TRENCH BACKFILL	C.Y.	81
5	21000300	GRANULAR EMBANKMENT SPECIAL	TON	2055
6	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	S.Y.	5555
7	21101505	TOPSOIL EXCAVATION AND PLACEMENT	C.Y.	1259
8	25000100	SEEDING, CLASS 1A	ACRE	2.0
9	25100115	MULCH METHOD 2	ACRE	2.0
10	28000250	TEMPORARY EROSION CONTROL SEEDING	POUNDS	400
11	28000300	TEMPORARY DITCH CHECKS	EA.	4
12	28000400	PERIMETER EROSION BARRIER	FOOT	950
13	28000500	INLET AND PIPE PROTECTION	EA.	11
14	X1004195	SUBBASE GRANULAR MATERIAL TYPE B (6")	TON	190
15	35300400	PORTLAND CEMENT CONCRETE BASE COURSE (9")	S.Y.	1237
16	35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING (9")	S.Y.	420
17	40800100	BITUMINOUS MATERIALS (PRIME COAT)	GAL.	1633
18	40800300	AGGREGATE (PRIME COAT)	TON	15
19	40800990	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	S.Y.	322
20	40800990	TEMPORARY RAMP	S.Y.	54
21	X4066765	LEVELING BINDER (MACHINE METHOD) SUPERPAVE	TON	411
22	X4066424	BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE MIX D N 50	TON	1020
23	X4066614	BITUMINOUS CONCRETE BINDER COURSE SUPERPAVE IL 19 N 50	TON	465
24	42000310	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" JOINTED	S.Y.	1486
25	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT (6")	S.Y.	100
26	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT (8")	S.Y.	174
27	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4"	S.F.	1252
28	42400800	DETECTABLE WALKWAYS	SQ. FT.	16
29	44000004	BITUMINOUS SURFACE REMOVAL (1")	S.Y.	3215
30	44000100	PAVEMENT REMOVAL	S.Y.	1481
31	44000400	GUTTER REMOVAL	FOOT	128
32	44201373	CLASS C PATCHES, TYPE 1 (12")	S.Y.	16
33	48101200	AGGREGATE SHOULDER, TYPE B	TON	139
34	48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	164
35	50104900	CONCRETE HEADWALL REMOVAL	EA.	2
36	50105220	PIPE CULVERT REMOVAL	FOOT	166
37	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	EA.	3
38	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTION 18"	EA.	2
39	54214713	PRECAST REINFORCED CONCRETE FLARED END SECTION, ELLIPTICAL EQUIVALENT ROUND-SIZE 18"	EA.	1
40	550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	82
41	550A0070	STORM SEWERS, CLASS A, TYPE 1, 15"	FOOT	375
42	550A0090	STORM SEWERS, CLASS A, TYPE 1, 18"	FOOT	140
43	55034200	STORM SEWERS, TYPE 1 REINFORCED CONCRETE ELLIPTICAL PIPE SPAN 23, RISE 14"	FOOT	444
44	56300300	ADJUSTING WATER SERVICE LINES	FOOT	60
45	60218400	MANHOLE, TYPE A, 4" - DIAMETER WITH TYPE 1, FRAME & CLOSED LID	EA.	3
46	60221700	MANHOLE, TYPE A, 6" - DIAMETER WITH TYPE 8 GRATE	EA.	2
47	60237710	INLETS, TYPE A WITH TYPE 3 V FRAME & GRATE	EA.	6
48	60255800	MANHOLE TO BE ADJUSTED WITH NEW, TYPE 1, FRAME & CLOSED LID	EA.	2
49	60600695	CLASS 31 CONCRETE (OUTLET)	C.Y.	16.34
50	60602800	CONCRETE GUTTER, TYPE B	FEET	128
51	60605200	COMBINATION CONCRETE CURB AND GUTTER TYPE B - 6.24	FEET	2060
52	60615400	PAVED DITCH, TYPE A-15	FOOT	57
53	70100450	TRAFFIC CONTROL AND PROTECTION STANDARD 701201	L.S.	1
54	70100455	TRAFFIC CONTROL AND PROTECTION STANDARD 701206	L.S.	1
55	70100460	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	L.S.	1
56	70100500	TRAFFIC CONTROL AND PROTECTION STANDARD 701326	L.S.	1
57	70103875	TRAFFIC CONTROL SURVEILLANCE	CAL. DA.	19
58	70300100	SHORT TERM PAVEMENT MARKING - LINE 4"	FOOT	495
59	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ. FT.	63
60	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ. FT.	239.2
61	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5430
62	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	368
63	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	433
64	78001100	PAINT PAVEMENT MARKING - LETTERS & SYMBOLS	SQ. FT.	82.4
65	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	306
66	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	306
67	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	42
68	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EA.	90
69		SPECIALTY ITEMS		

LIST OF STANDARDS IN PROPOSAL

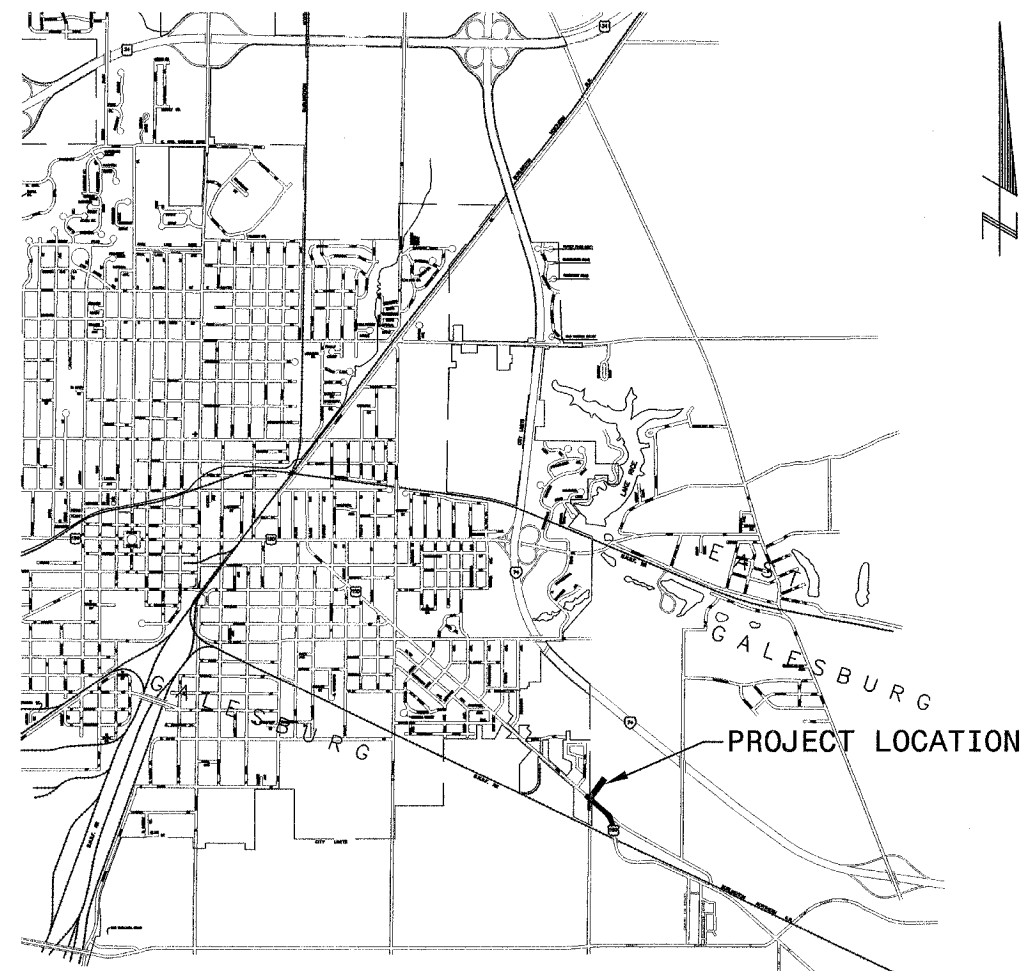
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
420001-06	PAVEMENT JOINTS
420111-01	PAVEMENT ROUND OUTS
424001-04	CURB RAMPS FOR SIDEWALKS
442201-01	CLASS C AND D PATCHES
482001-01	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-01	BITUMINOUS SHOULDER STRIPS/SHOULDERS, WITH RESURFACING OR WIDENING PROJECTS
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
602301-01	INLET TYPE A
602401-01	MANHOLE TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-02	FRAME & GRATES, TYPE 1
604011-02	FRAME & GRATES, TYPE 3V
604036-01	GRATE, TYPE 8
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006	OUTLET FOR CONCRETE CURB & GUTTER, TYPE B 15.60 (B - 6.24)
606401	PAVED DITCH
701006-01	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 (15') TO PAVEMENT EDGE, FOR SPEEDS > OR = 45 MPH
701011-01	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY FOR SPEED > OR = 45 MPH
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, ON ROAD TO 600 MM (24") OFF ROAD, FOR SPEED > OR = 45 MPH
701206-01	LANE CLOSURE, 2L, 2W, NIGHT ONLY, ON ROAD TO 600 MM (24") OFF ROAD, FOR SPEED > OR = 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS, FOR SPEEDS > OR = 45 MPH
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING DAY ONLY OPERATIONS, FOR SPEED > OR = 45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING DAY ONLY OPERATIONS, FOR SPEEDS > OR = 45 MPH
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > OR = 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR 10-05	PCC PAVEMENT SPECIAL DETAILS
BLR14-9	PORTLAND CEMENT CONCRETE PAVEMENT
BLR 21-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES, FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-4	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES, FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

SCALES

PLAN	1" = 20'
PROFILE HORIZONTAL	1" = 20'
PROFILE VERTICAL	1" = 5'
CROSS SECTION HORIZONTAL	1" = 10'
CROSS SECTION VERTICAL	1" = 5'

PROJECT LENGTH

US ROUTE 150 (GRAND AVE.)	= 1365.00 FT. = 0.259 MILES
KNOX COUNTY HWY 32	= 323.51 FT. = 0.061 MILES
LOGISTICS PARKWAY	= 201.00 FT. = 0.038 MILES
GROSS LENGTH:	= 1889.51 FT. = 0.358 MILES
NET LENGTH:	= 1889.51 FT. = 0.358 MILES



GALESBURG, ILLINOIS
GENERAL LOCATION MAP
NO SCALE

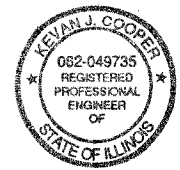
INDEX OF SHEETS

1. TITLE SHEET, LOCATION MAP
2. GENERAL NOTES & LEGEND
3. JOINT SPACING DETAIL - LOGISTICS PARKWAY
- 4-6. TYPICAL SECTIONS
- 7-9. PLAN & PROFILE - US ROUTE 150
10. PLAN & PROFILE - KNOX COUNTY HWY 32
11. PLAN & PROFILE - KNOX COUNTY HWY 32 & LOGISTICS PARKWAY
- 12-14. CROSS SECTIONS - US ROUTE 150
15. CROSS SECTIONS - KNOX COUNTY HWY 32
16. CROSS SECTIONS - LOGISTICS PARKWAY
- 17-18. PAVEMENT MARKING DETAILS
19. EROSION & SEDIMENT CONTROL PLAN
20. STORM SEWER PROFILE
21. STORM WATER DETENTION PLAN

PROJECT DESCRIPTION

THIS PROJECT INCLUDES EARTH EXCAVATION, EARTH EXCAVATION (WIDENING), STORM SEWERS, MANHOLES, INLETS, PCC BASE COURSE WIDENING, PCC PAVEMENT, BITUMINOUS SURFACE REMOVAL (COLD MILLING), BITUMINOUS CONCRETE SURFACE & BINDER COURSES, PAVEMENT MARKING, TOPSOIL, SEEDING AND ALLIED CONSTRUCTION.

QC/QA
PROJECT



Kevin J. Cooper
KEVIN J. COOPER
ILLINOIS PROFESSIONAL ENGINEER NO. 49735
LICENSE RENEWAL DATE: 11/30/2007

CITY OF GALESBURG	
APPROVED	<i>August 3, 2006</i>
	<i>Wayne E. Paul</i>
	CITY OF GALESBURG ENGINEER
PASSED	
	<i>Aug 7, 2006</i>
	<i>Christ Laballe</i>
	DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS
Releasing For	<i>Aug 7, 2006</i>
Bid Based On	<i>Paul & Co.</i>
Limited Review	
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	

REVISIONS	03/06/2006 JWH	03/31/2006 JWH	04/19/2006 JWH	08/01/2006 ERW	08/03/2006 ERW
DRAWN:	JWH	Checked:	KJC	Approved:	KJC
FILE NAME:	240215-c01.dwg				
Bruner, Cooper & Zuck, Inc. Consulting Engineers 188 East Simons Street Galesburg, Illinois 61601-1519 Phone: (309) 344-9902 Fax: (309) 343-2372 E-Mail: brcooper@brcooper.com					
Professional Engineer Seal Kevin J. Cooper State of Illinois License No. 062-049735					
QC/QA PROJECT					
TITLE SHEET, LOCATION MAP PLANS FOR PROPOSED INTERSECTION CONSTRUCTION US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32 GALESBURG, ILLINOIS					
JOB NO.	240215				
SHEET NO. 1	G1				
DATE	02/22/2005				

GENERAL NOTES

- 1. UNDERGROUND WATER, GAS, TELEPHONE, SEWER & ELECTRICAL UTILITY INFORMATION SHOWN ON THESE PLANS WAS COMPILED FROM PREVIOUS SITE PLANS, UTILITY COMPANY MAPS, AND FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS MANHOLES, VALVES, JUNCTION BOXES, ETC. RESPECTIVE UTILITY COMPANIES SHOULD BE CONTACTED FOR EXACT LOCATIONS. THE J.U.L.T.E. TELEPHONE NUMBER IS 1-800-892-0123.
2. UTILITY COMPANIES:
a. ELECTRIC & GAS: AMEREN IP 1824 KNOX HIGHWAY 9 GALESBURG, ILLINOIS 61401 MISS JULIE CONE 309/345-8169
b. CABLE TV: INSIGHT COMMUNICATIONS 533 N. HENDERSON ST. GALESBURG, ILLINOIS 61401 MR. ROGER WADE 309/342-5342
c. TELEPHONE: GALLATIN RIVER COMMUNICATIONS 100 N. CHERRY ST. GALESBURG, ILLINOIS 61401 MR. DALE RICKORDS 309/345-5268
d. SANITARY SEWER: GALESBURG SANITARY DISTRICT 2700 W. MAIN ST. GALESBURG, ILLINOIS 61401 MR. MARSHALL SCHRADER 309/342-0131
e. WATER: CITY OF GALESBURG WATER DEPARTMENT 55 W. TOMPKINS GALESBURG, ILLINOIS 61401 MR. TIM FEY 309/343-4181
3. ITEMS OF SITE CONSTRUCTION SHALL BE GOVERNED BY THE APPLICABLE PROVISIONS OF "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL STATE AND LOCAL ORDINANCES AND SHALL OBTAINING ALL NECESSARY PERMITS PRIOR TO INITIATING CONSTRUCTION.
5. THE CONTRACTOR SHALL BE ADVISED THAT HE SHALL MAKE PERSONAL CONTACT WITH THE CITY OF GALESBURG FIRE AND PUBLIC WORKS DEPARTMENTS, RESPECTIVELY, ON A WEEKLY BASIS DURING CONSTRUCTION TO KEEP THE CITY ADMINISTRATION FULLY INFORMED OF ALL IMMINENT CONSTRUCTION OPERATIONS AND PROPOSED TRAFFIC CONDITIONS AT THE WORK SITE(S).
6. LONGITUDINAL SLOPE ON ALL SIDEWALKS SHALL NOT EXCEED 5.00%, EXCEPT AT DESIGNATED SIDEWALK RAMP LOCATIONS WHERE SLOPE SHALL NOT EXCEED 8.33%, CROSS SLOPE ON ALL SIDEWALKS SHALL NOT EXCEED 2.00%.
7. EXCESS DIRT FROM CONSTRUCTION SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AT SITES HE SHALL ARRANGE FOR.
8. GRADE ALL DISTURBED EARTH AREAS AS SHOWN BY PROPOSED CONTOURS AND SPOT ELEVATIONS AND SEED IN ACCORDANCE WITH SECTION 250 OF THE I.D.O.T. STANDARD SPECIFICATIONS. SEEDING SHALL BE LAWN MIXTURE, CLASS 1. CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION AND SHALL PROVIDE AND INSTALL STRAW MULCH "PUNCHED" INTO THE SOIL FOR EROSION CONTROL ON ALL SEEDING AREAS. PROVIDE POSITIVE DRAINAGE.
9. ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.
10. BUTT JOINT CUTTING TIME RESTRICTION: BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE BITUMINOUS SURFACE COURSE.
11. ENVIRONMENTAL REVIEWS: PRIOR TO THE USE OF ANY BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS OF THE PROPOSED SITE.
PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.
ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.
THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:
a) BDE FOR 2289.
b) A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA.
c) SIGNED PROPERTY OWNER AGREEMENT FORM.
d) COLOR PHOTOGRAPHS DEPICTING THE USE AREA.
PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.
12. THE REQUIREMENTS FOR HORIZONTAL AND VERTICAL SEPARATION OF (BOTH STORM & SANITARY) SEWERS AND WATER LINES SHALL BE STRICTLY ADHERED TO. THESE REQUIREMENTS APPLY TO THE SERVICE CONNECTIONS AS WELL AS MAIN LINES.
13. PAVEMENT STATION NUMBERS AND PLACEMENT
THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4" WIDE 5" HIGH AND 5/8" DEEP.
THE PAVEMENT STATION NUMBER SHALL BE INSTALLED AS SPECIFIED HEREIN.
INTERVAL = 200'.
BOTTOM OF NUMBERS - 6" FROM THE INSIDE OF THE PAVEMENT MARKING.
LOCATION:
2, 3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS.
POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER.
FORMAT - ENGLISH PAVEMENT STATIONS SHALL USE THIS FORMAT (XX+XXX' (XXX)), WHERE X REPRESENTS THE PAVEMENT STATION.
THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

ELEMENTS CONTROLLING DESIGN

- 1. ROUTE (STREET) U.S. 150 (GRAND AVE.) KNOX COUNTY HIGHWAY 32; LOGISTICS PARKWAY
2. HIGHWAY FUNCTIONAL CLASSIFICATION: U.S. 150 (GRAND AVE.) - MAJOR COLLECTOR
C.H. 32 - RURAL MINOR COLLECTOR
LOGISTICS PARKWAY - URBAN COLLECTOR
3. AVERAGE DAILY TRAFFIC (ADT) DATA:
U.S. 150 EXISTING 6700
C.H. 32 EXISTING 700
LOGISTICS PARKWAY EXISTING 0
4. U.S. 150 (GRAND AVE.) IS THE PREFERENCE ROUTE.
5. ANTICIPATED YEAR OF CONSTRUCTION 2006.
6. TRAFFIC CONTROL TO BE TRAFFIC SIGNALS.
7. DESIGN CRITERIA: WIDENING & RESURFACING OF U.S. 150; REALIGNMENT & RESURFACING OF C.H. 32; NEW CONSTRUCTION LOGISTICS PARKWAY & TRAFFIC SIGNALS.
8. DESIGN VEHICLE: WB65, U.S. 150 AND LOGISTICS PARKWAY; C.H. 32 WE 55.
9. TRUCK ROUTE CLASSIFICATION: U.S. 150 CLASS II
C.H. 32 NOT CLASSIFIED.
10. DESIGN SPEED: U.S. 150 45 MPH; C.H. 32 35 MPH; LOGISTICS PARKWAY 35 MPH.
11. POSTED SPEED: U.S. 150 45 MPH; C.H. 32 N/A; LOGISTICS PARKWAY N/A.
12. PEDESTRIAN USAGE: NONE; BICYCLE USAGE: NONE.

SUMMARY OF QUANTITIES (NOT OTHER WISE SHOWN)

Table with 4 columns: Description, Quantity, Unit, Total. Rows include: GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (360 S.Y.), BITUMINOUS CONCRETE BINDER C&E SUPERPAVE (465 TON), BITUMINOUS CONCRETE SURFACE C&E SUPERPAVE (1020 TON), TOPSOIL EXCAVATION & PLACEMENT (47 C.Y.), SEEDING CLASS 1A (0.64 ACRE), MULCH METHOD 2 (0.26 ACRE), TRAFFIC CONTROL & PROTECTION STANDARD 701201 (1 ENTIRE PROJECT), TRAFFIC CONTROL & PROTECTION STANDARD 701206 (1 ENTIRE PROJECT), TRAFFIC CONTROL & PROTECTION STANDARD 701306 (1 ENTIRE PROJECT), TRAFFIC CONTROL & PROTECTION STANDARD 701326 (1 ENTIRE PROJECT), EARTH EXCAVATION (1743 C.Y.), AGGREGATE SHOULDERS TY. B (6") (97 TON).

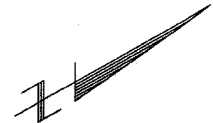
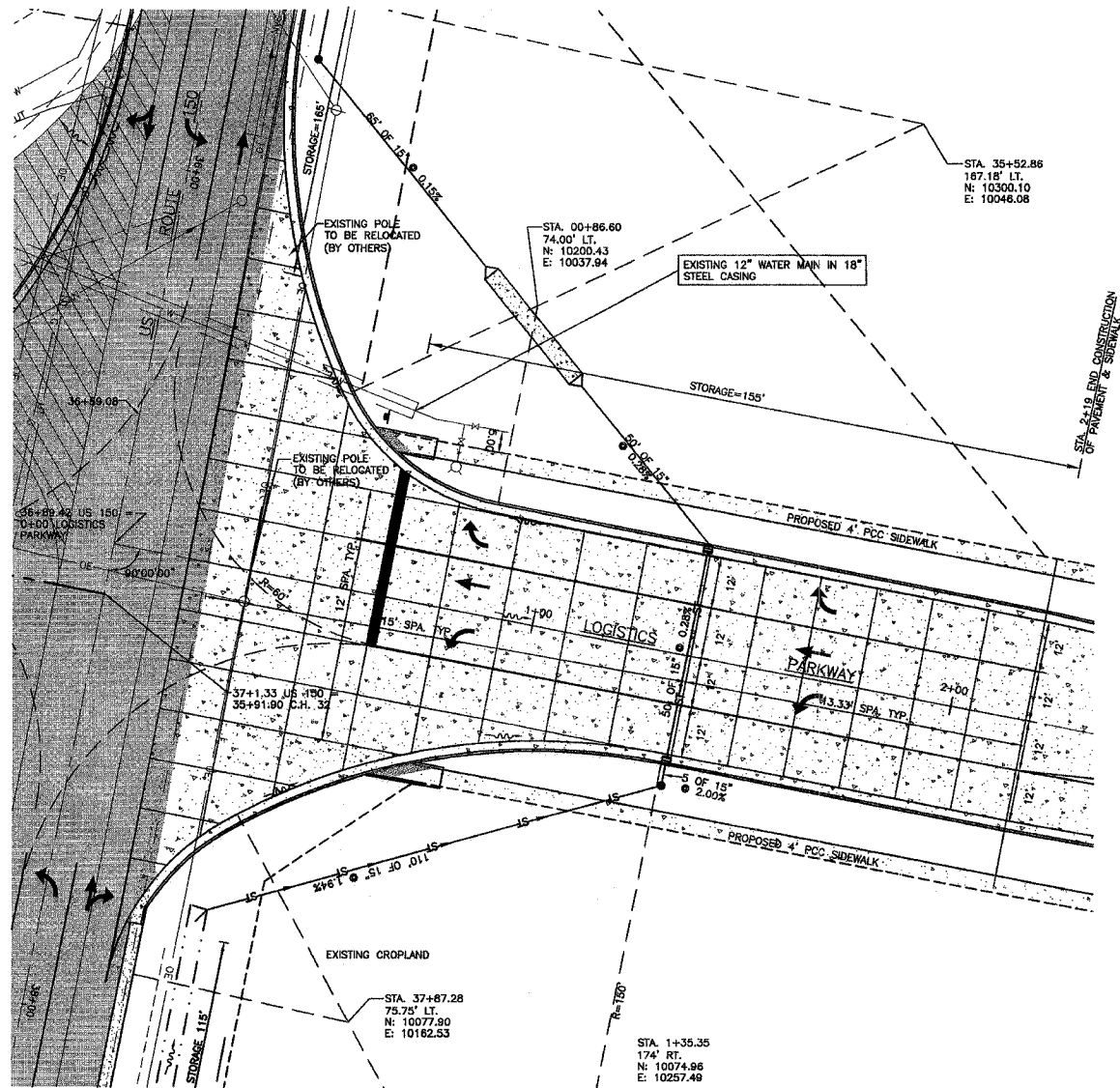
LEGEND

- INDICATES CONCRETE MONUMENT FOUND IN PLACE
INDICATES IRON ROD
EXISTING BITUMINOUS SURFACE
EXISTING CONCRETE SURFACE
EXISTING ROCK SURFACE
EXISTING BUILDING
EXISTING MANHOLE
EXISTING GAS METER
EXISTING GAS VALVE
EXISTING GAS LINE
EXISTING UTILITY POLE & GUY WIRE
EXISTING OVERHEAD ELECTRIC
EXISTING LIGHT ON POLE
EXISTING TELEPHONE JUNCTION BOX
EXISTING TRAFFIC OR STREET SIGN
EXISTING TREE
EXISTING BRUSH OR TREE LINE
EXISTING MAIL BOX
EXISTING PROPERTY LINE
EXISTING FENCELINE
EXISTING WATER VALVE
EXISTING UNDERGROUND TELEPHONE
EXISTING SANITARY SEWER
EXISTING FORCE MAIN
PROPOSED BITUMINOUS SURFACE
PROPOSED CONCRETE SURFACE
PROPOSED ROCK SURFACE
PROPOSED FIRE HYDRANT
PROPOSED WATER VALVE
PROPOSED WATER MAIN
PROPOSED MANHOLE
PROPOSED STORM INLET OR CATCH BASIN
PROPOSED STORM SEWER
PROPOSED TRAFFIC OR STREET SIGN
PROPOSED CONTOUR LINE
PROPOSED SPOT ELEVATION
PROPOSED TOP OF RIM ELEVATION
PROPOSED INVERT ELEVATION
PROPOSED TOP OF CURB ELEVATION
PROPOSED GUTTER ELEVATION
PROPOSED TOP WALK ELEVATION
PROPOSED TOP PAVEMENT ELEVATION
PROPOSED DIRECTION OF FLOW

UTILITY RELOCATION/ADJUSTMENTS

- AMEREN (PC) POWER POLES TO BE RELOCATED
U.S. 150
STA. 36+15 LT. 1
36+84 RT. 1
36+98 LT. 1
38+82 LT. 1
40+06 RT. 1
40+40 LT. 1
CH. 32
STA. 34+30 RT. 1
TOTAL 7
GAS VALVE AND MAINS TO BE RELOCATED OR ADJUSTED
U.S. 150
STA. 30+79 RT. VALVE
32+00 RT. MAIN (CONFLICTS WITH STORM SEWER)
32+47 LT. VALVE
39+48 RT. VALVE
GALLATIN RIVER COMMUNICATION (TELEPHONE)
U.S. 150
STA. 32+00 RT. (UNDER GROUND CONFLICTS WITH STORM SEWER)
35+86 RT. MANHOLE TO BE ADJUSTED
GALESBURG SANITARY DISTRICT
U.S. 150
STA. 36+05 LT. MANHOLE TO BE ADJUSTED
CH. 32
STA. 34+35 RT. MANHOLE TO BE ADJUSTED
CITY OF GALESBURG (WATER)
U.S. 150
STA. 30+09 RT. VALVE ADJUSTMENT
30+14 RT. VALVE ADJUSTMENT
30+15 LT. VALVE ADJUSTMENT
30+15 LT. HYDRANT RELOCATION (CONFLICTS WITH STORM SEWER)
30+17 RT. VALVE ADJUSTMENT

Vertical sidebar containing: Bruner, Cooper & Zuck, Inc. Consulting Engineers Structural Engineers Land Surveyors; Job No. 240215; Sheet No. 2; G2; Date 02/22/2005; Revisions table with dates and descriptions; File Name: 240215/G1/NOTES.DWG

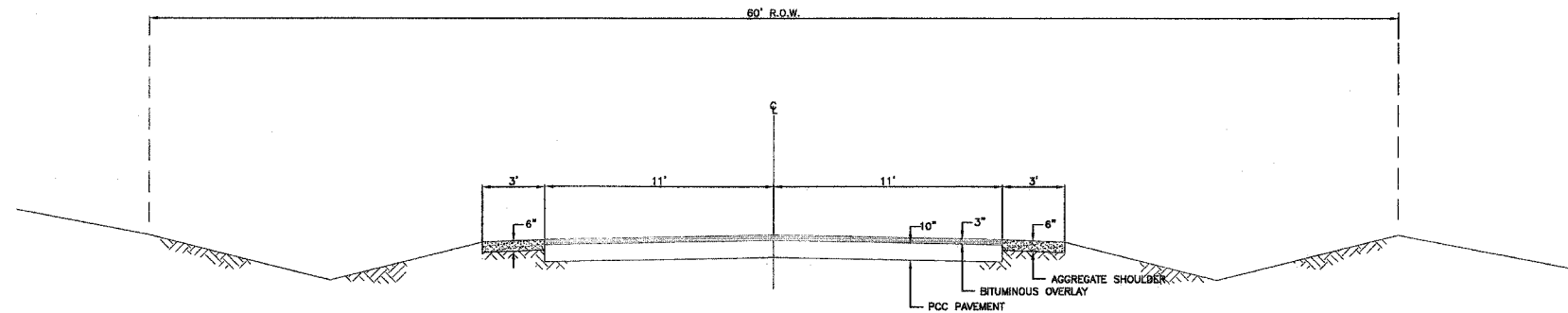


LEGEND

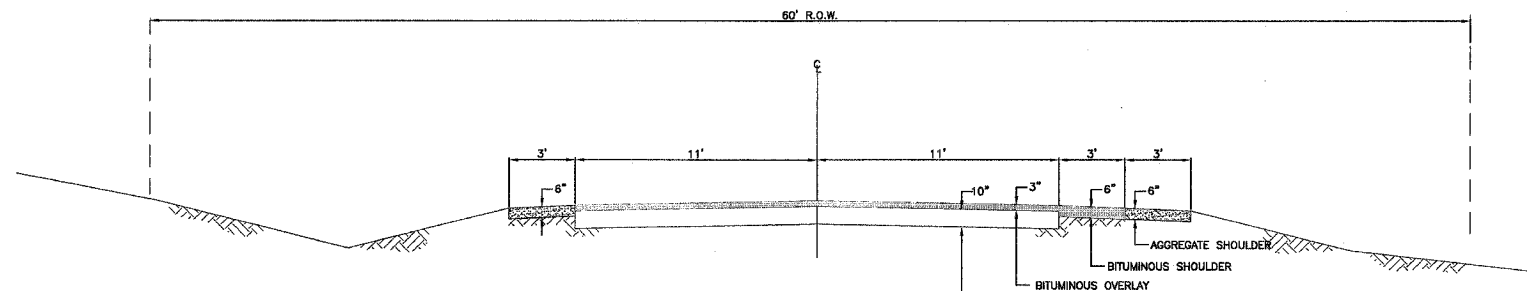
	EXISTING BITUMINOUS SURFACE
	EXISTING PAVEMENT TO BE REMOVED
	PROPOSED BITUMINOUS SURFACE
	PROPOSED PCC PAVEMENT

1 JOINT SPACING DETAILS - LOGISTICS PARKWAY
 SCALE: 1" = 20'

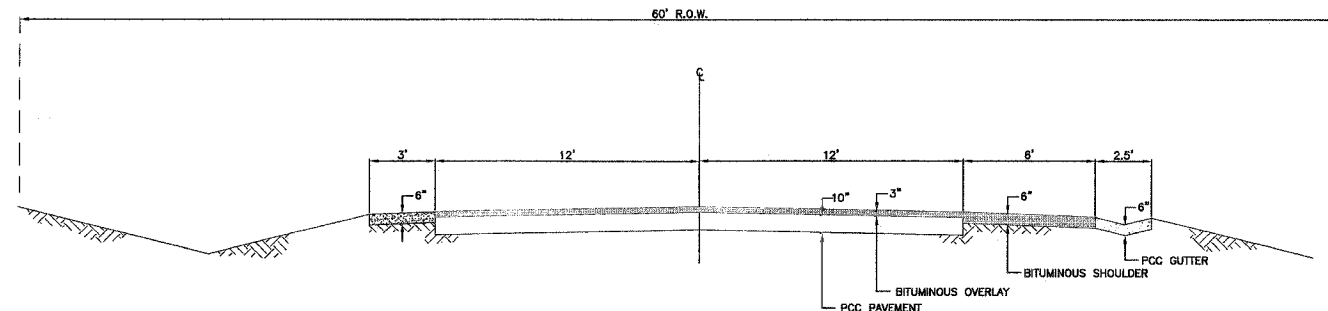
Brunet, Cooper & Zuck, Inc. Consulting Engineers Structural Engineers Land Surveyors Phone: (309) 343-4002 Fax: (309) 343-5379 E-Mail: kbz@bczeng.com		REVISIONS 04/03/2006 JWH DRAWN: JWH CHECKED: KJC APPROVED: KJC APPROVED: KJC FILE NAME: 240215/JOINT DETAIL
JOINT SPACING DETAILS - LOGISTICS PARKWAY PLANS FOR PROPOSED INTERSECTION CONSTRUCTION US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32 GALESBURG, ILLINOIS		JOB NO. 240215 SHEET NO. 3
		G3 02/22/2005



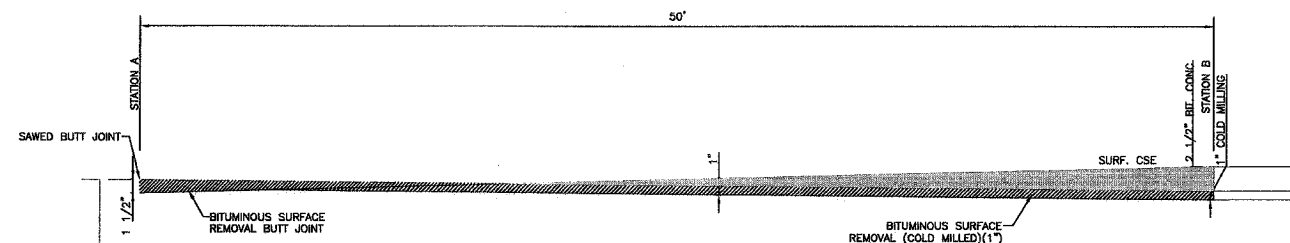
1 EXISTING TYPICAL SECTION - US ROUTE 150(GRAND AVE.)
 STA. 29+50 TO 39+25
 SCALE: 1/4"=1'-0"



2 EXISTING TYPICAL SECTION - US ROUTE 150(GRAND AVE.)
 STA. 39+25 TO 41+65
 SCALE: 1/4"=1'-0"



3 EXISTING TYPICAL SECTION - US ROUTE 150(GRAND AVE.)
 STA. 41+65 TO 43+15
 SCALE: 1/4"=1'-0"



4 BUTT JOINT DETAIL
 NO SCALE

STATIONS	
A	B
29+50(US 150)	30+00(US 150)
43+15(US 150)	42+65(US 150)

TYPICAL SECTIONS
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

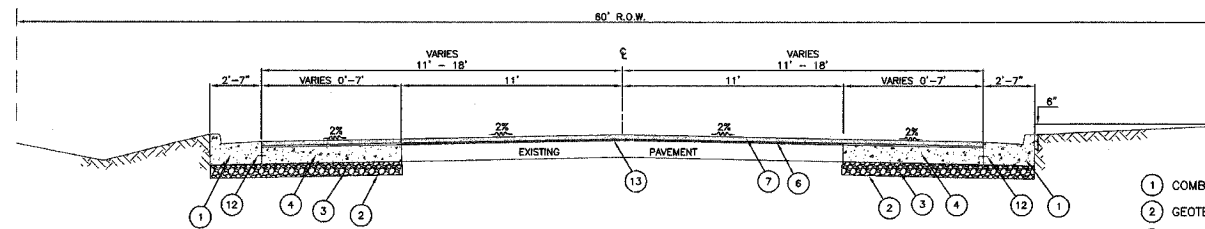
Bruner, Cooper & Zuck, Inc.
 Consulting Engineers
 Structural Engineers
 Land Surveyors
 P.E.-S.E. LEONIE R. HARRIS
 P.L.S. FRANK LUCAS
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 E-Mail: bcz@brunercopcoz.com

REVISIONS	
DRAWN: JWH	
CHECKED: KJC	
APPROVED: KJC	
APPROVED: KJC	
FILE NAME: 240215/ROUTE 150 TYPICAL SECTIONS.DWG	

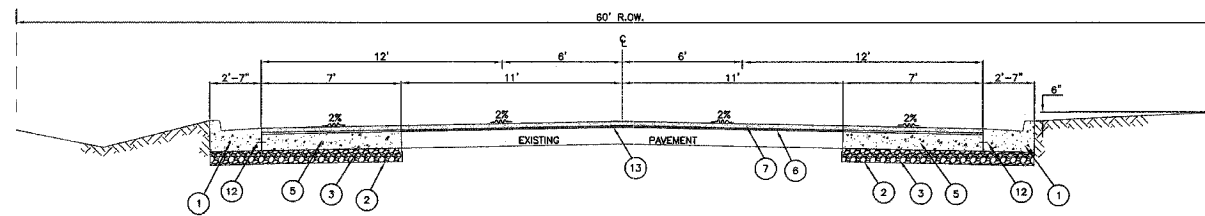
JOB NO.
 240215
 SHEET NO. 4
T1
 02/22/2005

US ROUTE 150 (GRAND AVE.)		
LOCATIONS	STA. 29+50 TO 43+15	STA. 29+50 TO 43+15
MIXTURE	SURFACE 2"	LEVELING BINDER (MM) 1 1/2"
PG	64-22	64-22
RAP % MAX**	15	15
DESIGN AIR Voids	4.2% CN=50	4.2% CN=50
MIX COMP	IL 9.5 OR 12.5	IL 9.5 OR 12.5
FRICION AGG.	MIXTURE D	-
MIX WEIGHT	112 #/S.Y./1" THICK.	112 #/S.Y./1" THICK.

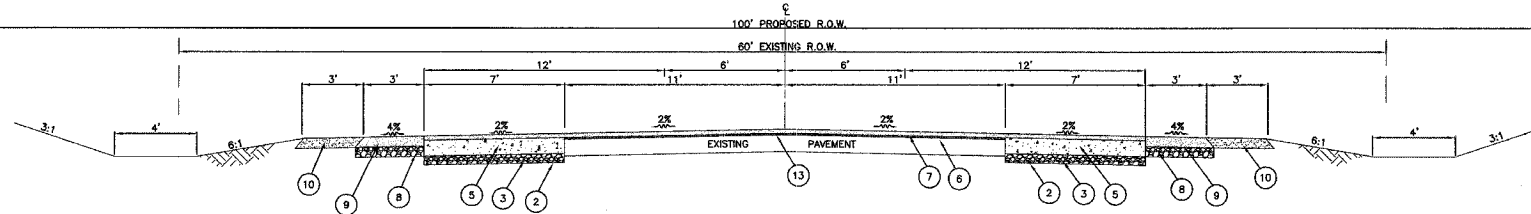
** NOTE: IF > 15% RAP IS USED, THE DISTRICT MATERIALS ENGINEER MAY REQUIRE THE USE OF A SOFTER GRADE OF ASPHALT.



1 PROPOSED TYPICAL SECTION - US ROUTE 150(GRAND AVE.)
STA. 29+50 TO 32+20
SCALE: 1/4"=1'-0"

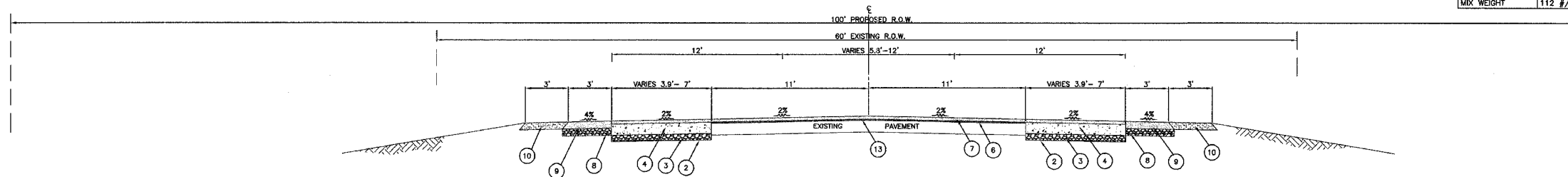


2 PROPOSED TYPICAL SECTION - US ROUTE 150(GRAND AVE.)
STA. 32+20 TO 37+75
SCALE: 1/4"=1'-0"

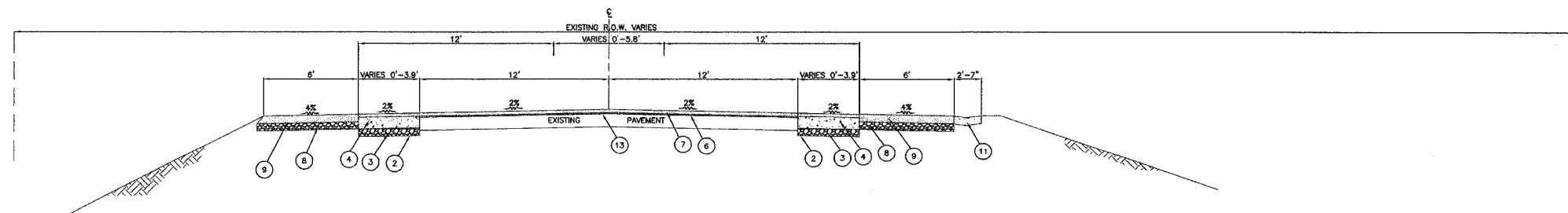


3 PROPOSED TYPICAL SECTION - US ROUTE 150(GRAND AVE.)
STA. 37+75 TO 40+45
SCALE: 1/4"=1'-0"

US ROUTE 150 (GRAND AVE.) SHOULDERS		
LOCATIONS	STA. 37+75 TO 43+15 LT. & RT.	
MIXTURE	SURFACE LIFT	BOTTOM LIFT
PG	64-22	64-22
RAP % MAX**	15% MAX	25% MAX
DESIGN AIR Voids	4.2% N=50	4.2% N=50
MIX COMP	IL 19.5 OR 12.5	IL 19.0
FRICION AGG.	MIXTURE D	-
MIX WEIGHT	112 #/S.Y./1" THICK.	112 #/S.Y./1" THICK.



4 PROPOSED TYPICAL SECTION - US ROUTE 150(GRAND AVE.)
SCALE: 1/4"=1'-0"
STA. 40+45 TO 41+65



5 PROPOSED TYPICAL SECTION - US ROUTE 150(GRAND AVE.)
SCALE: 1/4"=1'-0"
STA. 41+65 TO 43+15

LEGEND (DETAILS 1/12 - 5/12)
(US ROUTE 150, GRAND AVE.)
STA. 29+50 - 43+15

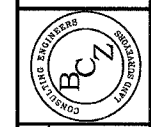
- 1 COMB. CONC. CURB & GUTTER, TYPE B-6.24
- 2 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 3 GRANULAR EMBANKMENT SPECIAL - CA-6 (6")
- 4 P.C.C. BASE COURSE WIDENING (9")
- 5 P.C.C. BASE COURSE (9")
- 6 LEVELING BINDER (MM) SUPERPAVE (1")
- 7 BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE (2 1/2")
- 8 SUBBASE GRANULAR MATERIAL, TYPE B, (6")
- 9 BITUMINOUS SHOULDER SUPERPAVE (6")
- 10 AGGREGATE SHOULDER, TYPE B, (6")
- 11 CONCRETE GUTTER, TYPE B.
- 12 #4 X 30" @ 24" CENTERS TIE BARS (INCIDENTAL TO CURB & GUTTER)
- 13 BITUMINOUS SURFACE REMOVAL COLD MILL (1")

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REVISIONS: 04/03/2006 JMH
08/03/2006 ERW

DRAWN: JMH
CHECKED: KJC
APPROVED: KJC

FILE NAME: 240215/ROUTE150/TYPICAL_2.DWG



PROPOSED TYPICAL SECTIONS
PLANS FOR PROPOSED
INTERSECTION CONSTRUCTION
US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
GALESBURG, ILLINOIS

DESIGN DATA - KNOX COUNTY HWY. 32

- STRUCTURAL DESIGN YEAR 2024
ADT 1910; 50% IN DESIGN LANE
PV = 850 (89%)
SU = 29 (3%)
MU = 76 (8%)
- CLASS II STREET
- DESIGN PERIOD 20 YEARS
- SOIL SUPPORT POOR
- TRAFFIC FACTOR TF = 0.66
- STRUCTURAL NUMBER SN = 4.40
- PAVEMENT MATERIALS:
 - BITUMINOUS CONCRETE SURFACE SUPERPAVE = 0.40
 - BITUMINOUS CONCRETE BINDER SUPERPAVE = 0.33
 - SUBBASE GRANULAR MATERIAL TYPE B = 0.11
- PAVEMENT:
 - BITUMINOUS CONCRETE SURFACE SUPERPAVE = 4"
 - BITUMINOUS CONCRETE BINDER SUPERPAVE = 6"
 - SUBBASE GRANULAR MATERIAL TYPE B = 8"
 - GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

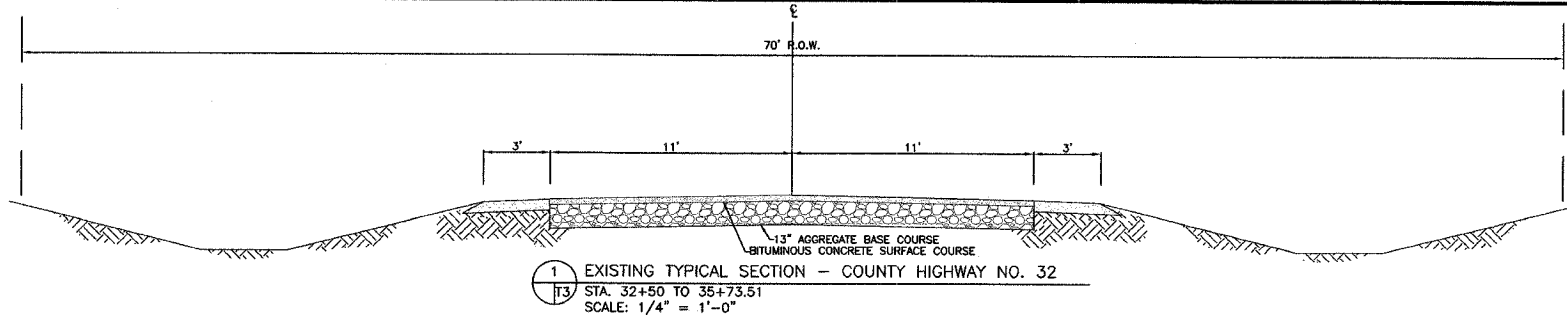
KNOX COUNTY HWY. 32		
LOCATIONS	STA. 32+50 TO 35+73.51	STA. 32+50 TO 35+73.51
MIXTURE	SURFACE	BINDER
PG	64-22	58-22
RAP % MAX**	15	25
DESIGN AIR VOIDS	4% CN=50	4% CN=50
MIX COMP	9.5	19.0
FRICITION AGG.	MIXTURE D	-
MIX WEIGHT	112 #/S.Y./1" THICK.	112 #/S.Y./1" THICK.

** NOTE: IF > 15% RAP IS USED, THE DISTRICT MATERIALS ENGINEER MAY REQUIRE THE USE OF A SOFTER GRADE OF ASPHALT.

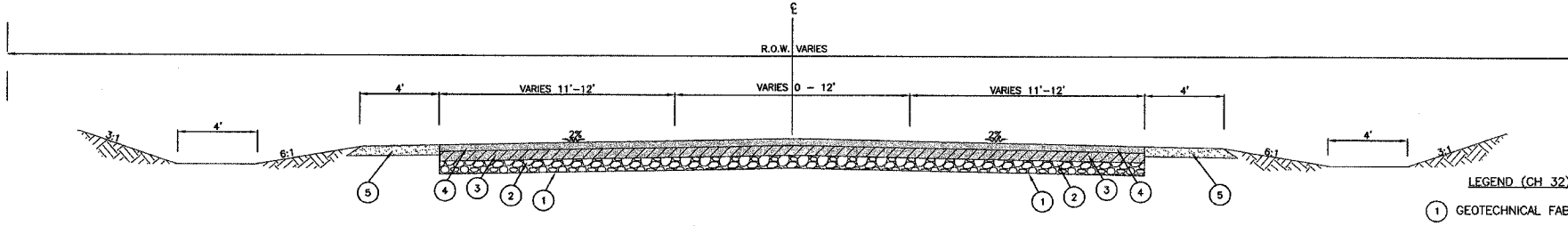
- DESIGN DATA (U.S. 150)
- STRUCTURAL DESIGN YEAR 2024
ADT 2400; 50% IN DESIGN LANE
PV = 3655 (50%)
SU=301 (50%)
MU=344 (50%)
 - CLASS II STREET
 - DESIGN PERIOD - 20 YEARS
 - TRAFFIC FACTOR - 4.73
 - PAVEMENT MATERIALS:
 - PORTLAND CEMENT CONCRETE PAVEMENT (9")
 - BINDER: N/A
 - SURFACE: N/A
 - IBR: 3 STA. (29+50 TO 43+15)

DESIGN DATA - LOGISTICS PARKWAY

- STRUCTURAL DESIGN YEAR 2024
ADT 2400; 50% IN DESIGN LANE
PV = 1068 (89%)
SU = 36 (3%)
MU = 96 (8%)
- CLASS II STREET
- DESIGN PERIOD 20 YEARS
- SOIL SUPPORT POOR
- TRAFFIC FACTOR TF = 1.19
- PAVEMENT:
 - PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" JOINTED WITH TIED CURB & GUTTER
 - GRANULAR EMBANKMENT SPECIAL, CA-6 (6")
 - GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

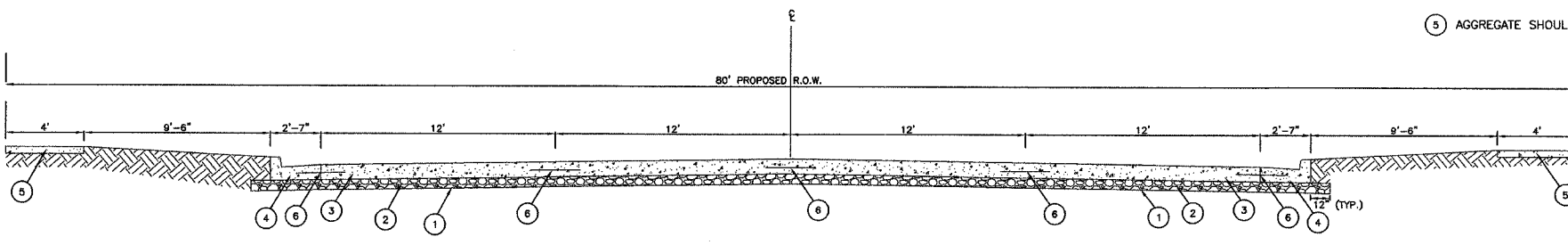


1 EXISTING TYPICAL SECTION - COUNTY HIGHWAY NO. 32
STA. 32+50 TO 35+73.51
SCALE: 1/4" = 1'-0"



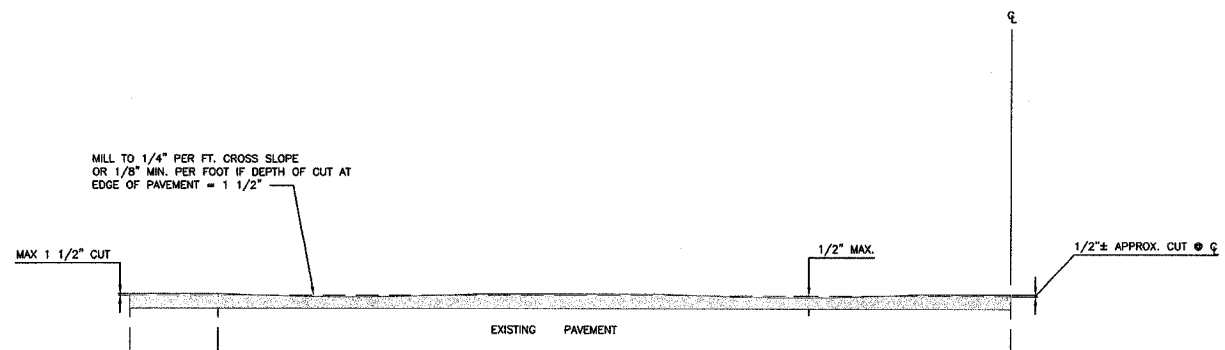
2 PROPOSED TYPICAL SECTION - COUNTY HIGHWAY NO. 32
STA. 32+50 TO 35+73.51
SCALE: 1/4" = 1'-0"

- LEGEND (CH 32) - DETAIL 2/T3
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - GRANULAR EMBANKMENT SPECIAL, CA-6 (8")
 - BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE (6")
 - BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE (4") (2-2" LIFTS)
 - AGGREGATE SHOULDERS TYPE B (6")

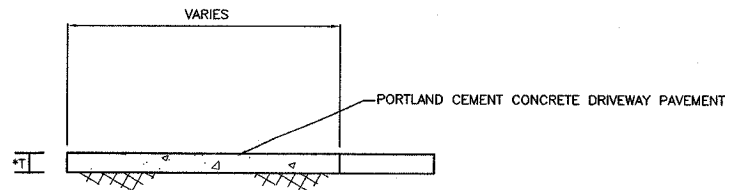


3 PROPOSED TYPICAL SECTION - LOGISTICS PARKWAY
STA. 0+18 TO 2+19
SCALE: 1/4" = 1'-0"

- LEGEND (LOGISTICS PARKWAY) - DETAIL 3/T3
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - GRANULAR EMBANKMENT SPECIAL, CA-6 (6")
 - PCC PAVEMENT (9")
 - COMB. CONC. CURB & GUTTER TYPE B-6.24
 - PCC SIDEWALK (4")
 - TIE BARS, #4 X 30" @ 24" CENTERS



4 PAVEMENT COLDMILLING DETAIL - US ROUTE 150 (GRAND AVE)
STA. 29+50 TO 43+15
SCALE: 1/2" = 1'-0"



LOCATIONS

US 150 (GRAND AVE)	*THICKNESS (T)
STA. 31+14 LT.	8"
STA. 32+98 LT.	8"
KNOX C.H. 32	
STA. 34+18 RT.	8"
STA. 35+10 LT.	6"

5 PROPOSED DRIVEWAY DETAIL
SCALE: NONE

REVISIONS 04/03/2006 JWH
 DRAWN: JWH
 CHECKED: KJC
 APPROVED: KJC
 APPROVED: KJC
 FILE NAME: 240215/ROUTE150/TYPICAL_3.DWG

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 E-Mail: bcz@brunercopco.com

TYPICAL SECTIONS
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

JOB NO.
 240215
 SHEET NO. 6
T3
 02/22/2005

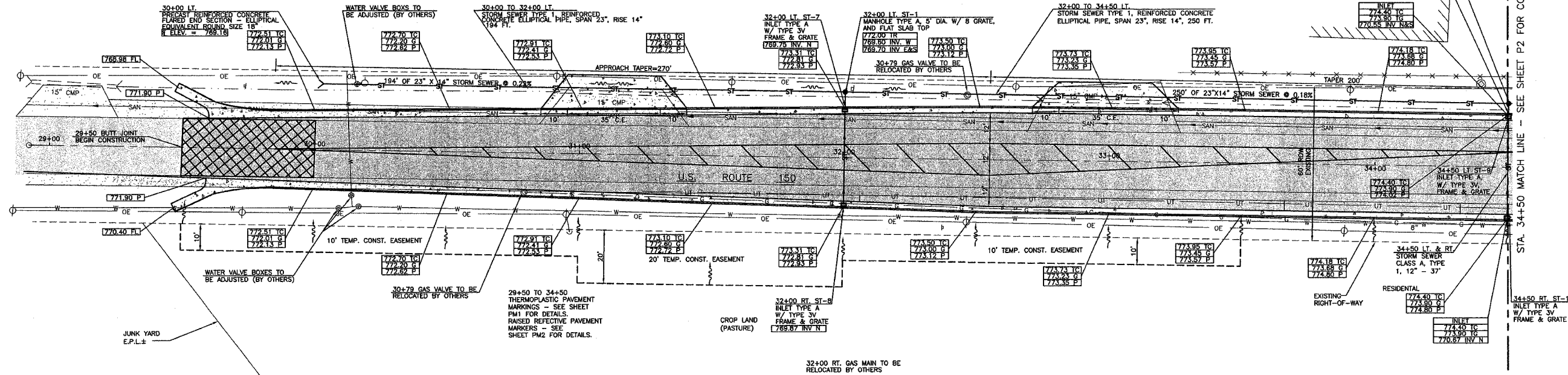
29+50 - 30+00 BITUMINOUS SURFACE REMOVAL - BUTT JOINT - 122.2 S.Y.
 29+80 - 32+50 LT. & RT. PCC BASE COURSE WIDENING (9") - 210 S.Y.
 29+50 LT. & RT. CLASS S1 CONCRETE OUTLETS - 6.90 C.Y.
 32+50 - 34+50 PCC BASE COURSE - 311 S.Y.

29+75 - 34+50 BITUMINOUS SURFACE REMOVAL - (CM) - 1161 S.Y.
 29+86 - 34+50 LT. & RT. COMBINATION CONCRETE CURB & GUTTER TY. B6.24 - 928 FT.
 29+50 - 29+58 TEMPORARY RAMP 20.4 S.Y.
 31+14 LT. PIPE CULVERT REMOVAL - 46 FT. TRENCH BACKFILL - 12.2 C.Y. PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT (8") - 57.8 S.Y.
 30+00 LT. PRECAST REINFORCED CONCRETE FLARED END SECTION, ELLIPTICAL EQUIV. ROUND SIZE 18" - 1 EA.

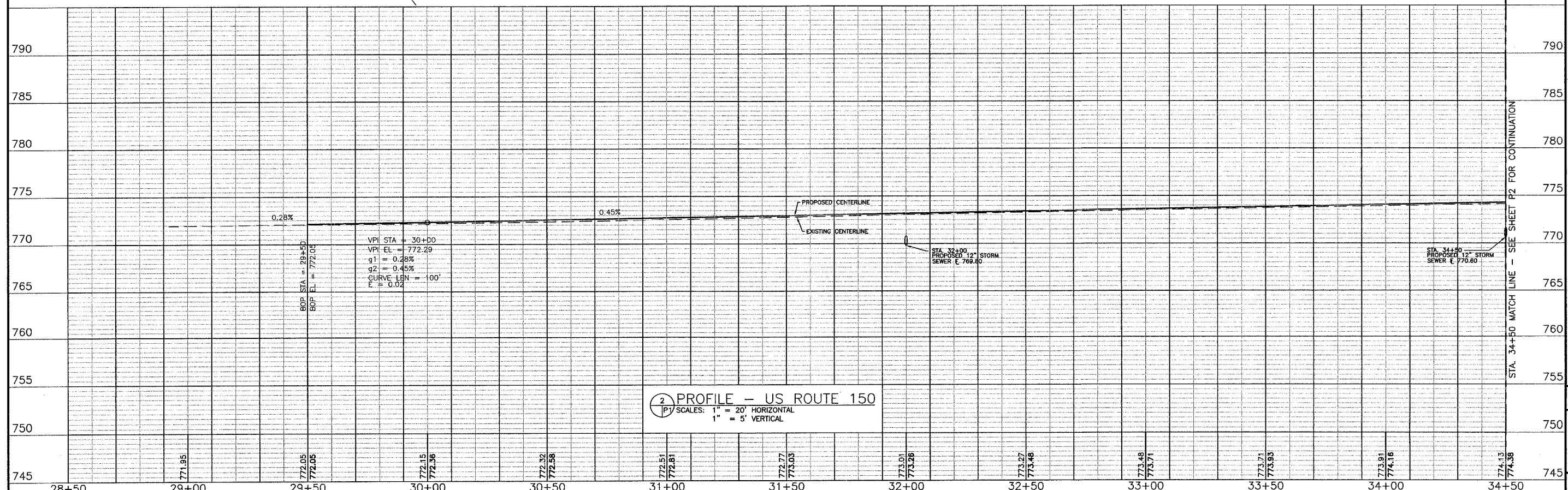
32+00 STORM SEWER CLASS A, TY. 1, 12" 37 FT. (INLET TO INLET) TRENCH BACKFILL - 11.5 C.Y.
 32+00 LT. STORM SEWER, CLASS A, TY. 1, 12" 4' (MH TO INLET)
 32+00 CLASS C PATCH TYPE 1, 12" - 8.56 S.Y.
 ADJUSTING WATER SERVICE 3053 GRAND AVE. (U.S. 150) - 30 FT. 3075 GRAND AVE. (U.S. 150) - 30 FT.

32+98 LT. PIPE CULVERT REMOVAL - 50 FT. TRENCH BACKFILL - 13.6 TON PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT (8") - 47.2 S.Y.
 34+50 CLASS C PATCH TYPE 1, 12" - 8.56 S.Y. TRENCH BACKFILL - 15.5 C.Y.

LEGEND
 [Pattern] EXISTING BITUMINOUS SURFACE
 [Pattern] BITUMINOUS SURFACE REMOVAL BUTT JOINT
 [Pattern] PROPOSED BITUMINOUS SURFACE
 [Pattern] PROPOSED CONCRETE SURFACE



1 PLAN - US ROUTE 150
 P1 SCALE: 1" = 20'



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 E-Mail: bruce@brucezuck.com

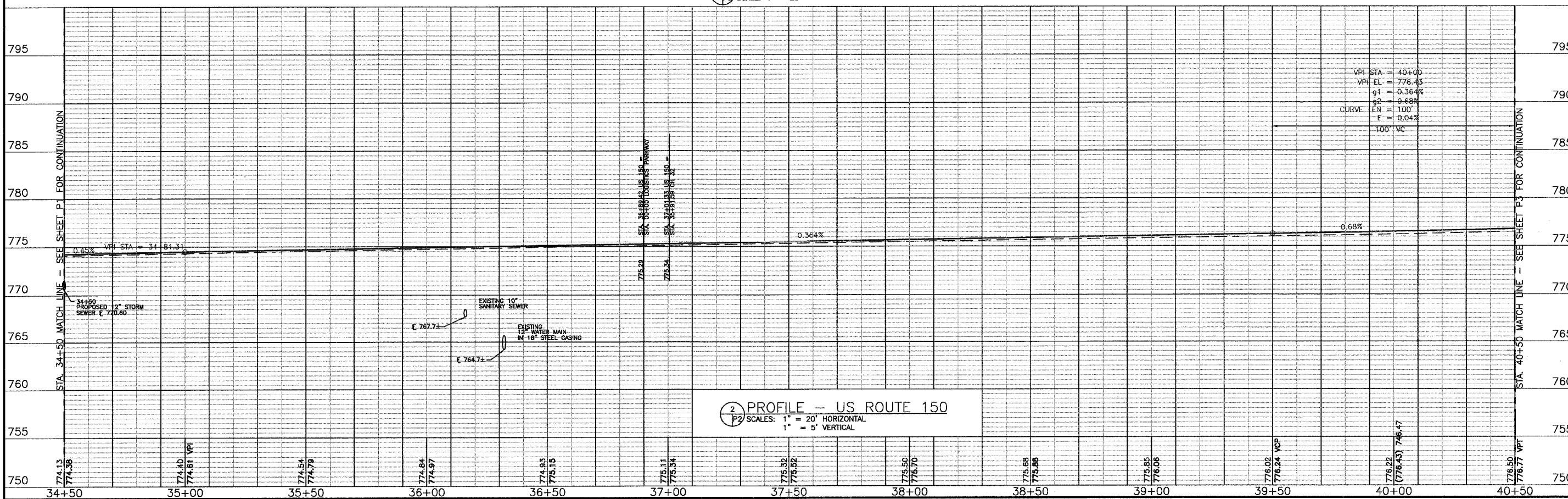
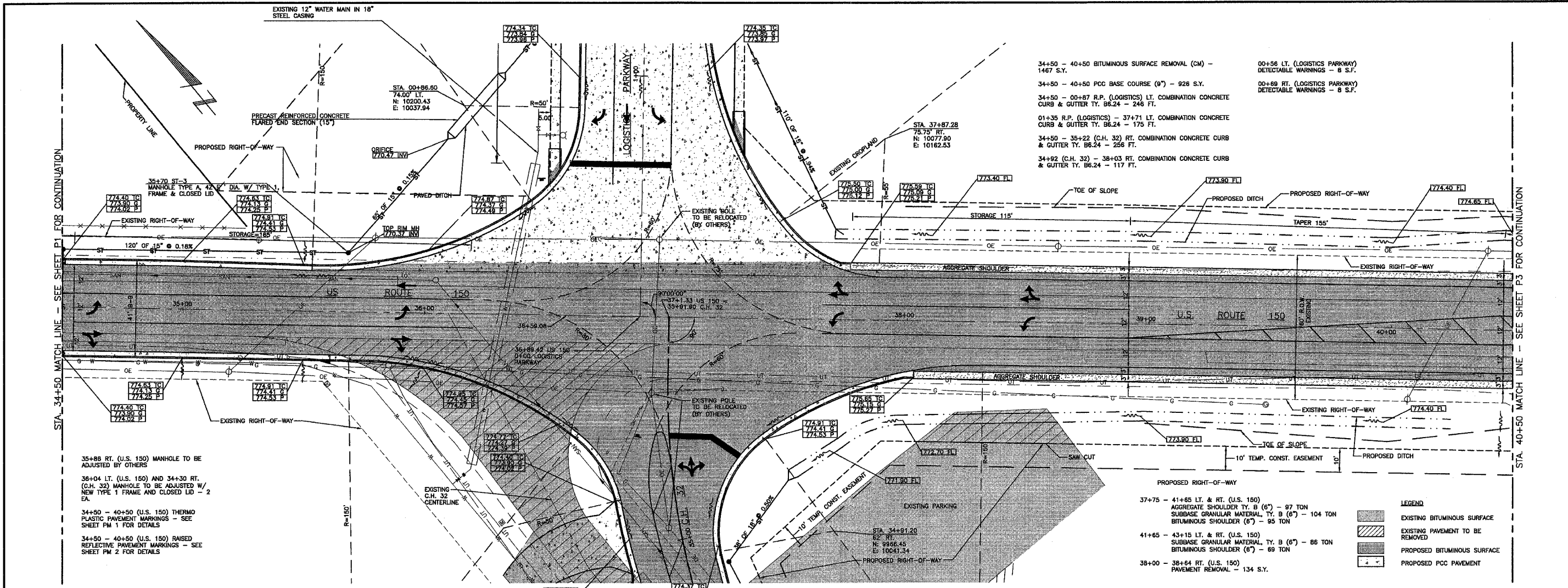
REVISIONS 03/06/2006 JWH

DRAWN: JWH
 CHECKED: KJC
 APPROVED: KJC
 APPROVED: KJC
 FILE NAME: 240215/P1

PE-SE LICENSE: 08-00083
 PLS. FILE LICENSE: 08-00012

PLAN & PROFILE - US ROUTE 150
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

JOB NO. 240215
 SHEET NO. 7
 P1
 02/22/2005



Revisions

NO.	DATE	DESCRIPTION
02/01/2005	JWH	DRAWN
03/06/2006	KJC	CHECKED
04/03/2006	KJC	APPROVED
04/03/2006	KJC	APPROVED

Drawn: JWH
Checked: KJC
Approved: KJC
Approved: KJC

File Name: 240215/P2

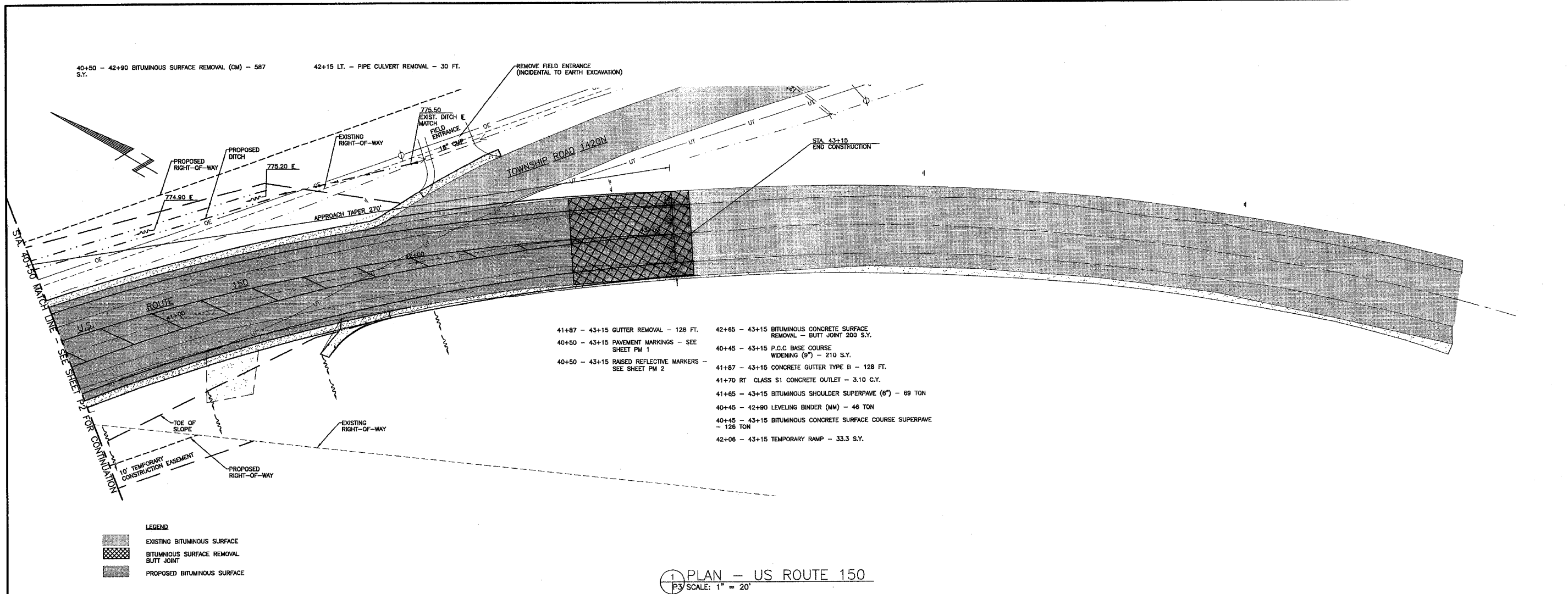
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02/22/2005

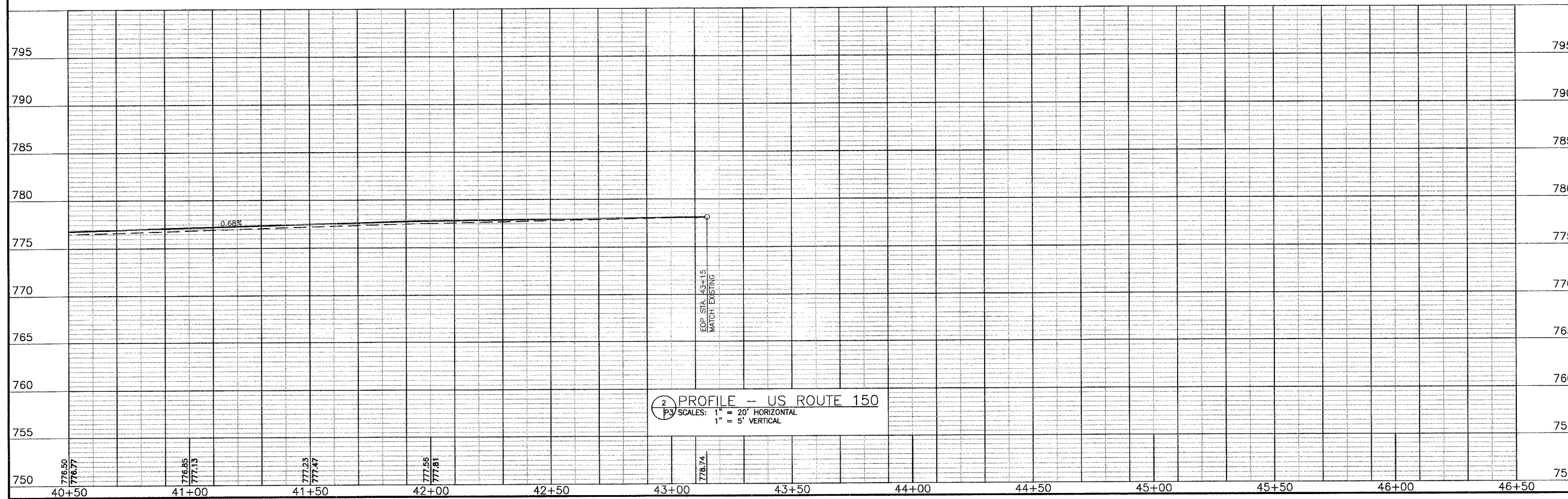
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US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

PLAN & PROFILE - US ROUTE 150
 PLANS FOR PROPOSED INTERSECTION CONSTRUCTION



1 PLAN - US ROUTE 150
 P3 SCALE: 1" = 20'



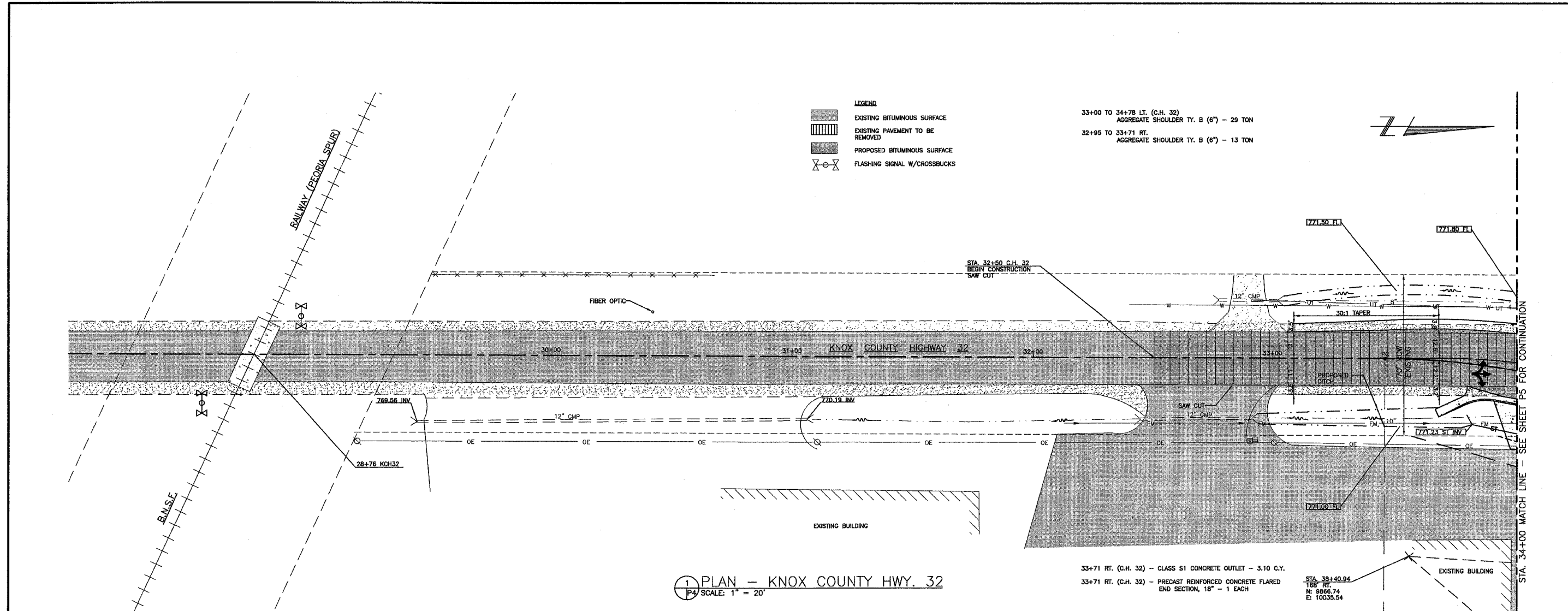
REVISIONS 03/06/2006 JWH

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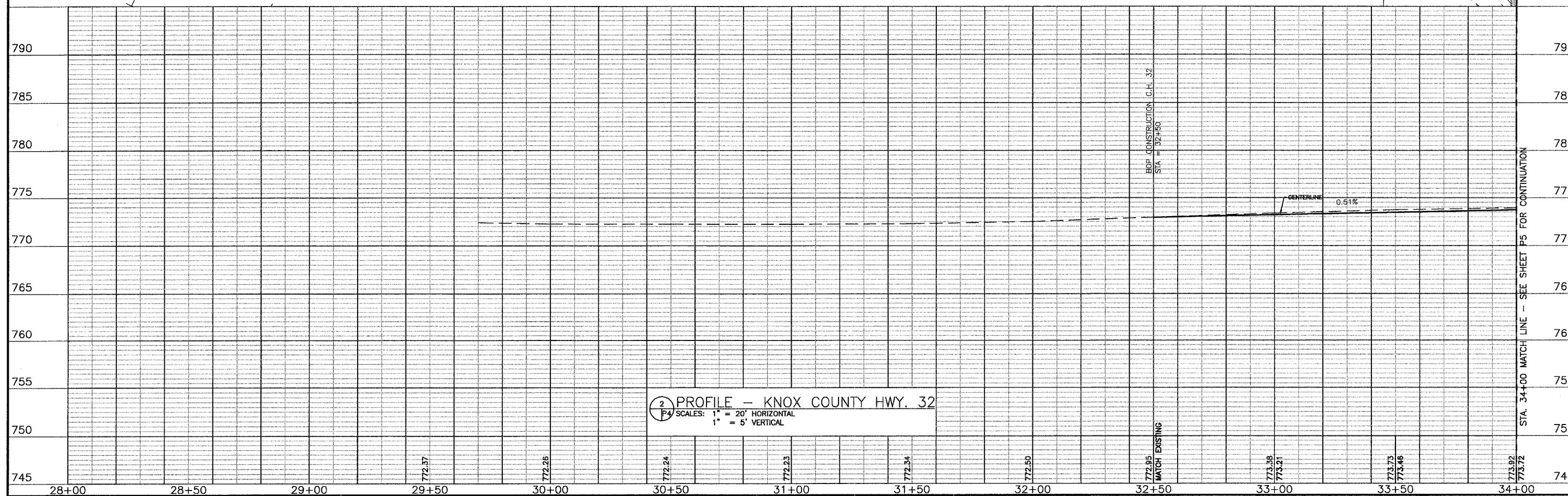
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PLAN & PROFILE - US ROUTE 150
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

JOB NO. 240215
 SHEET NO. 9
P3
 02/22/2005



1 PLAN - KNOX COUNTY HWY. 32
 SCALE: 1" = 20'



2 PROFILE - KNOX COUNTY HWY. 32
 SCALE: 1" = 20' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS	03/06/2006 JWH
DRAWN: JWH	
CHECKED: KJC	
APPROVED: KJC	
APPROVED: KJC	
FILE NAME: 240215/P4	

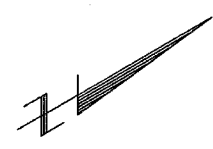
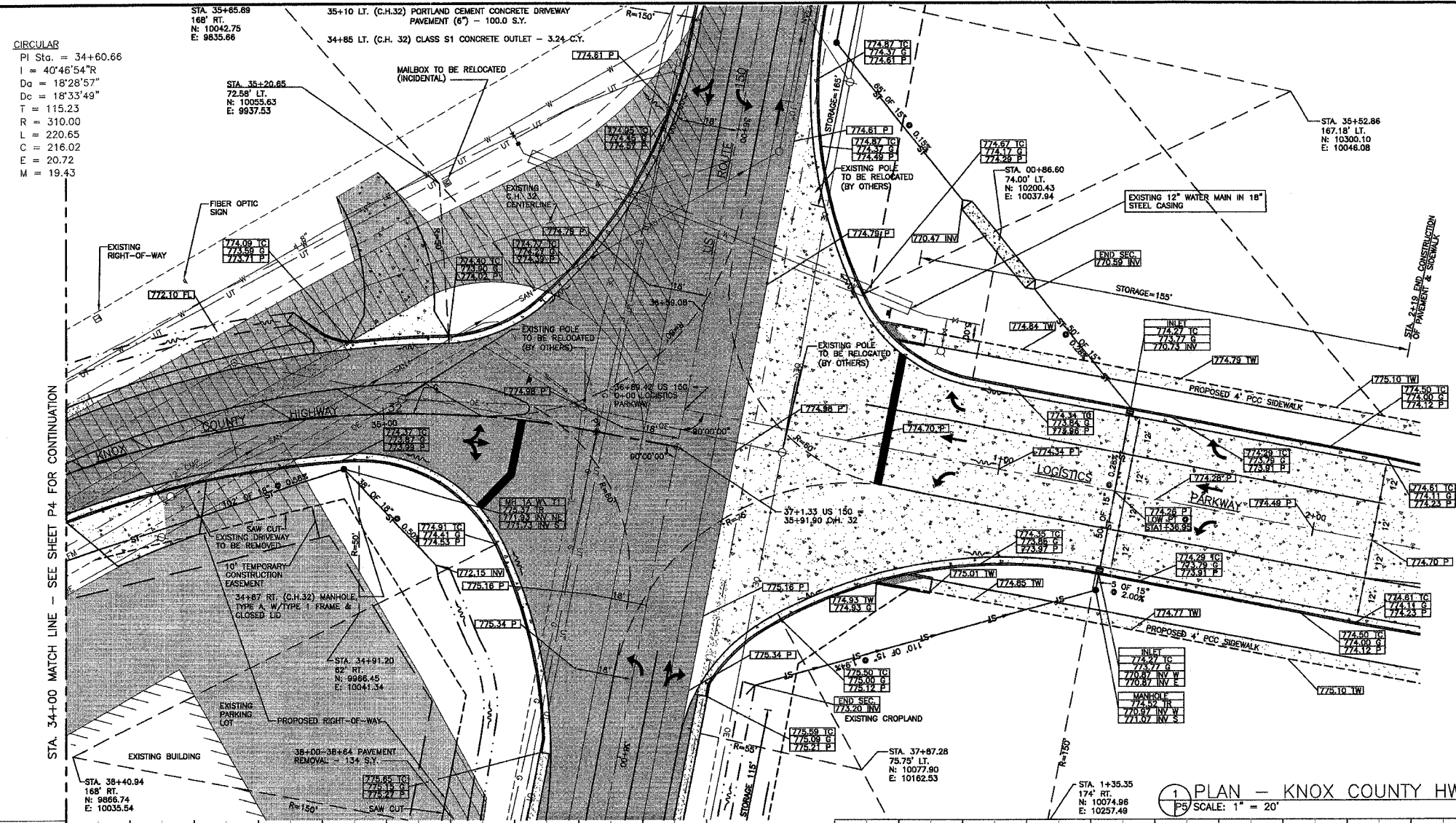
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PLAN & PROFILE - KNOX COUNTY HWY. 32
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

JOB NO.
240215

SHEET NO. 10
P4

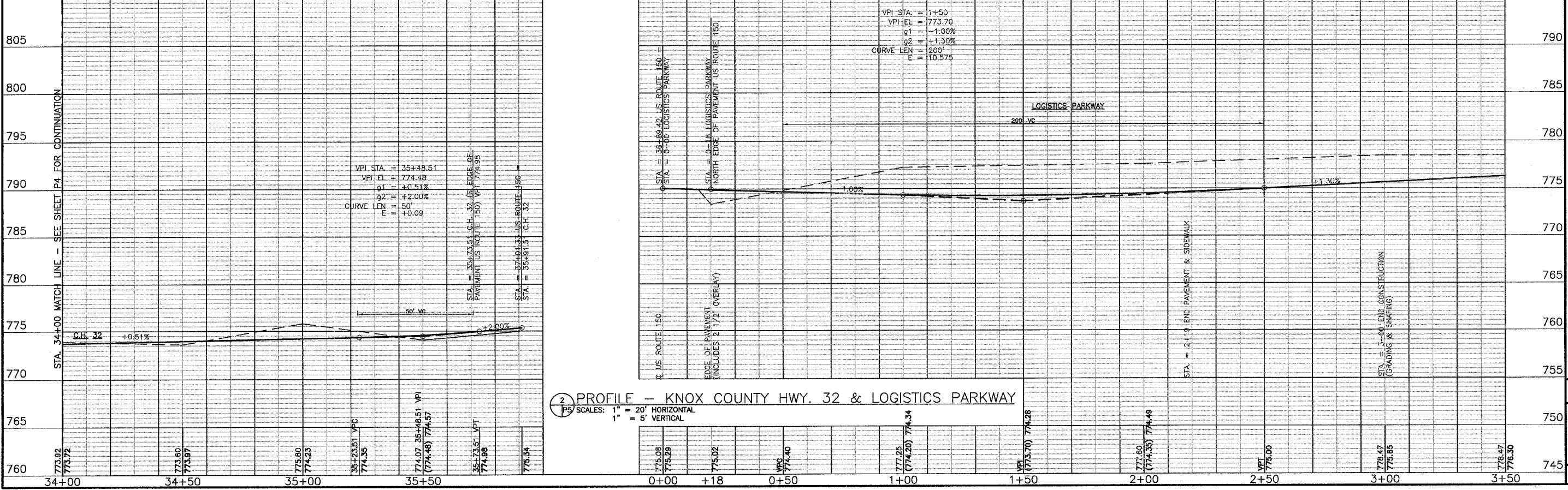
02/22/2005



- 34+00 RT. (C.H.32) COMBINATION CONCRETE CURB & GUTTER TYPE B6.24 - 92 FT.
- 34+90 - 35+20 LT. (C.H.32) COMBINATION CONCRETE CURB & GUTTER TYPE B6.24 - 30 FT.
- 34+18 RT. (C.H. 32) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT (6") - 69.0 S.Y.
- 34+40 RT. (C.H.32) PIPE CULVERT REMOVAL - 32 FT.
- 32+50 - 35+73 (C.H.32) PAVEMENT REMOVAL - 1347 S.Y.
- 34+22 & 34+52 RT. (C.H.32) CONCRETE HEADWALL REMOVAL - 2 EACH
- 32+50 - 35+45 (C.H.32) RAISED REFLECTIVE PAVEMENT MARKERS - SEE SHEET PM2 FOR DETAILS
- 34+40 RT. (C.H.32) TRENCH BACKFILL - 16.5 C.Y.
- 38+00-38+64 RT. US (150) PAVEMENT REMOVAL - 134 S.Y.
- 0+86 - 2+19 LT. (LOGISTICS) COMBINATION CONCRETE CURB & GUTTER TYPE B6.24 - 132 FT.
- 1+36 - 2+19 RT. (LOGISTICS) COMBINATION CONCRETE CURB & GUTTER TYPE B6.24 - 84 FT.
- 1+36 RT. & LT. (LOGISTICS) INLET TYPE A W/ TYPE 3V FRAME & GRATE - 2 EACH.
- 1+36 (LOGISTICS) STORM SEWER, CLASS A, TYPE 1, 15" - 50 FT.
- 1+36 RT. (LOGISTICS) STORM SEWER, CLASS A, TYPE 1, 15" - 5 FT.
- 0+38 - 1+36 RT. (LOGISTICS) STORM SEWER, CLASS A, TYPE 1, 15" - 110 FT.
- 0+38 RT. (LOGISTICS) PRECAST CONCRETE FLARED END SECTION 15" - 1 EACH.
- 1+07 - 1+36 LT. (LOGISTICS) STORM SEWER, CLASS A, TYPE 1, 15" - 40 FT.
- 1+36 (LOGISTICS) TRENCH BACKFILL - 12 C.Y.
- 0+18 - 2+19 (LOGISTICS) PAINT PAVEMENT MARKING - SEE SHEET PM1 FOR DETAILS.
- 1+12 LT. (LOGISTICS) PRECAST CONCRETE FLARED END SECTION 15" - 1 EACH.
- 1+36 RT. (LOGISTICS) MANHOLE, TYPE A, 4' DIAMETER W/TYPE 1 FRAME & CLOSED LID.

1 PLAN - KNOX COUNTY HWY. 32 & LOGISTICS PARKWAY
 SCALE: 1" = 20'

VPI STA:	= 1+50
VPI EL:	= 773.70
g1:	= -1.00%
g2:	= +1.30%
CURVE LEN:	= 200'
E:	= 10.575



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REVISIONS
 04/03/2006 JWH

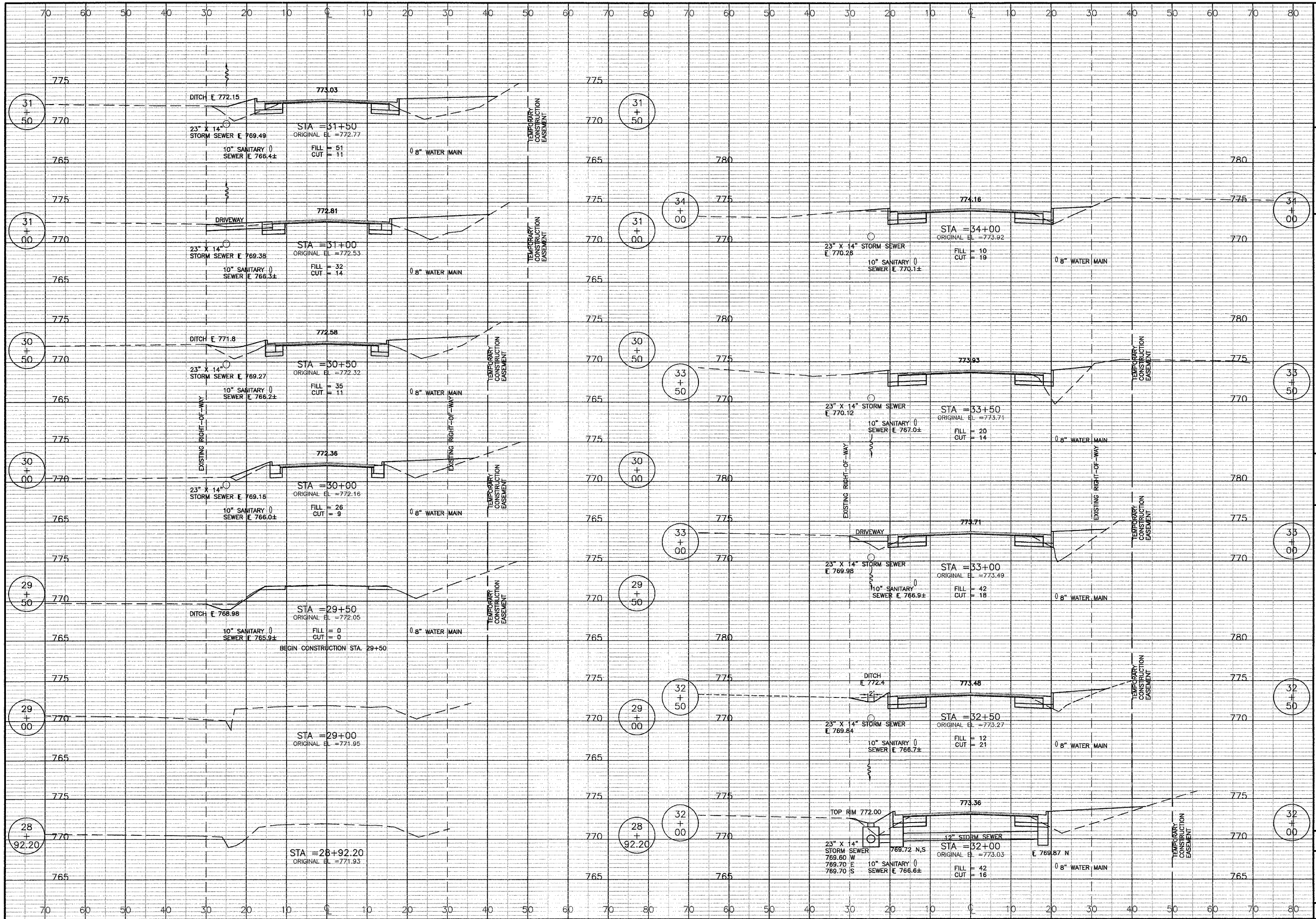
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 CHECKED: KIC
 APPROVED: KIC
 APPROVED: KIC
 FILE NAME: 240215/P5

PLAN & PROFILE - KNOX COUNTY HWY. 32 & LOGISTICS PARKWAY
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

JOB NO.
 240215

SHEET NO. //
P5

02/22/2005



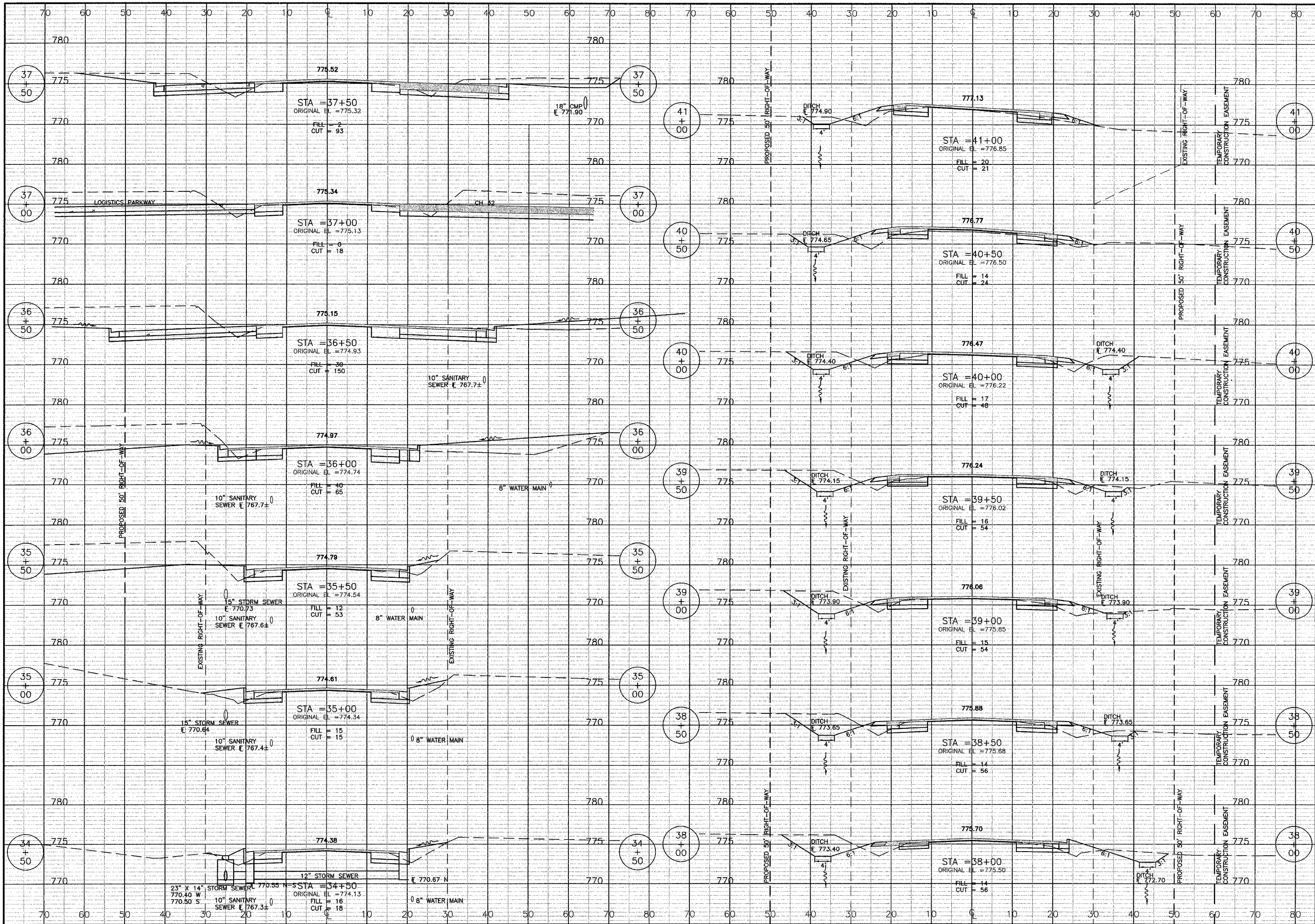
CROSS SECTIONS - US ROUTE 150
PLANS FOR PROPOSED INTERSECTION CONSTRUCTION
US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
GALESBURG, ILLINOIS

Brumer, Cooper & Zuck, Inc.
 Consulting Engineers
 Structural Engineers
 Land Surveyors
 188 East Summer Street
 P.O. Box 8159
 Galesburg, Illinois 61602-5159
 Phone: (309) 343-9000
 Fax: (309) 343-9200
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JOB NO. 240215
 SHEET NO. 12
X1

02/22/2005

REVISIONS 03/06/2006 JWH
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 CHECKED: KJC
 APPROVED: KJC
 APPROVED: KJC
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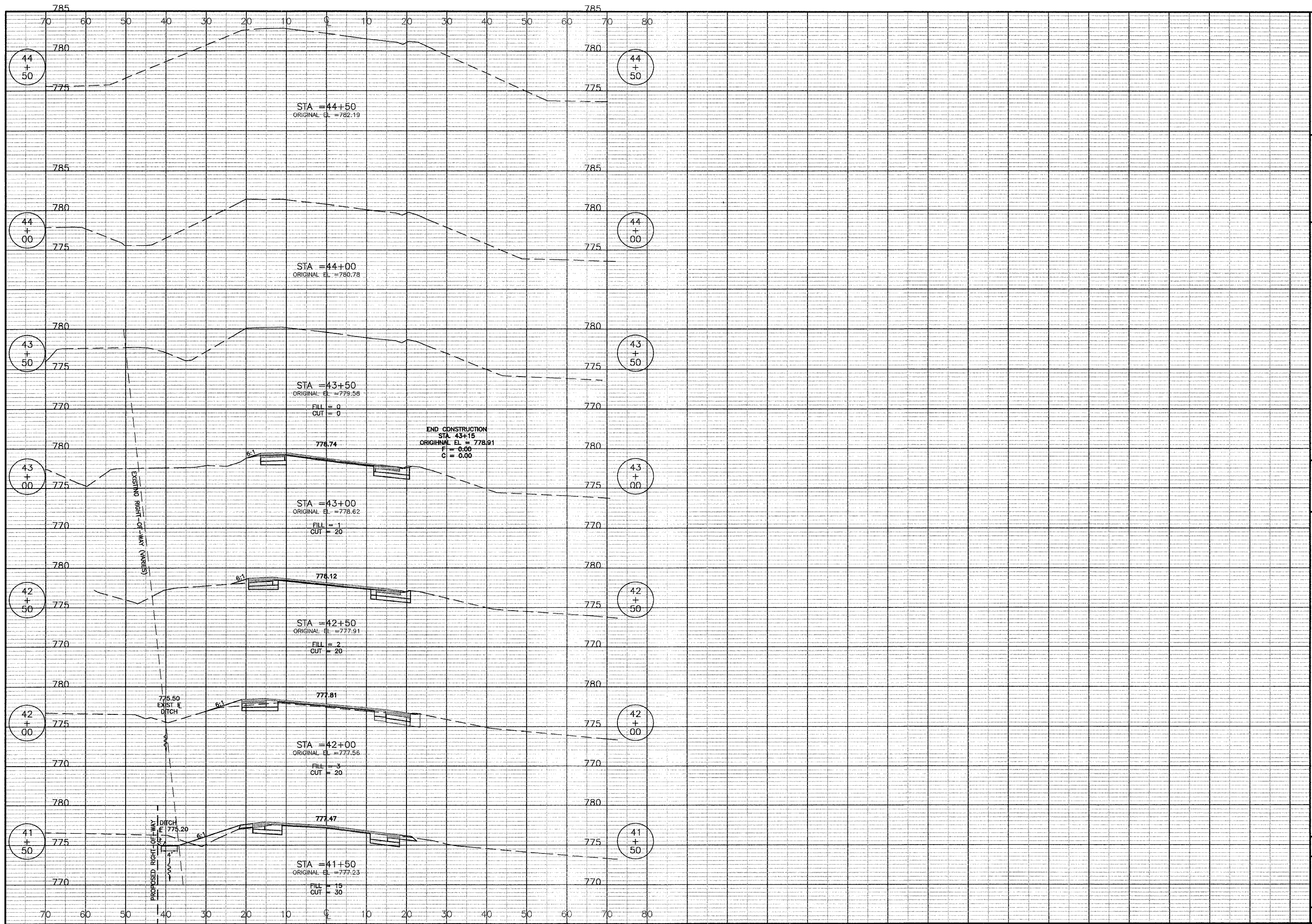


CROSS SECTIONS - US ROUTE 150
PLANS FOR PROPOSED INTERSECTION CONSTRUCTION
US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
GALESBURG, ILLINOIS

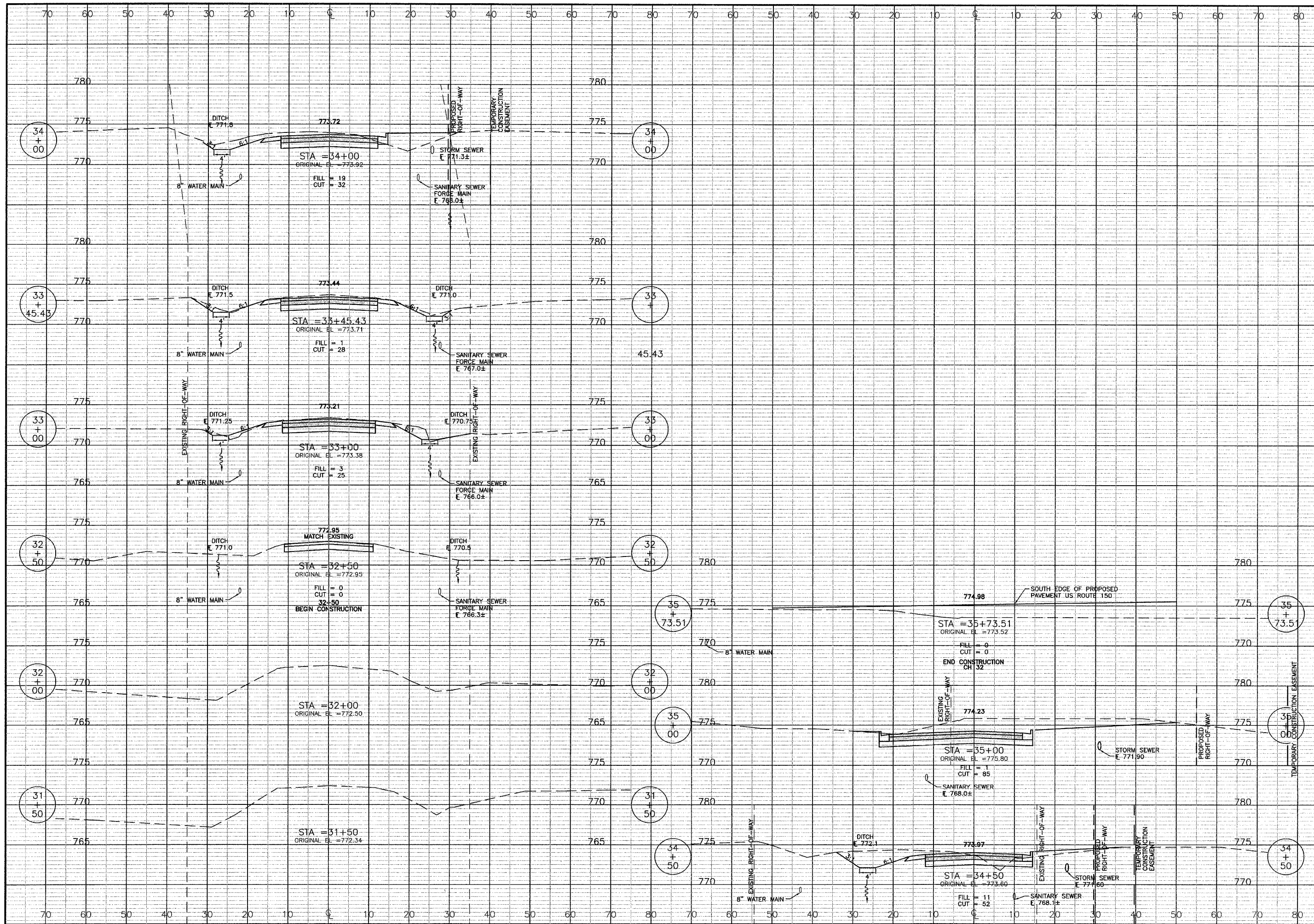
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 Phone: (309) 345-2002
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 PE-SE LICENSE 04-000633
 PLS. PER LICENSE 04-000112

02/22/2005



CROSS SECTIONS - US ROUTE 150 PLAN FOR PROPOSED INTERSECTION CONSTRUCTION US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32 GALESBURG, ILLINOIS			Bruner, Cooper & Zuck, Inc. Consulting Engineers Structural Engineers Land Surveyors 188 East Sumner Street Galesburg, Illinois 61601-5119 Phone: (309) 343-5282 Fax: (309) 343-5270 E-Mail: bcz@brunercopco.com	REVISIONS
JOB NO. 240215 SHEET NO. 14 X3	DRAWN: JWH CHECKED: KJC APPROVED: KJC FILE NAME: 240215/X3			



CROSS SECTIONS - KNOX COUNTY HWY. 32

PLANS FOR PROPOSED INTERSECTION CONSTRUCTION

US ROUTE 150, LOGISTICS PARKWAY & COUNTY HWY. 32

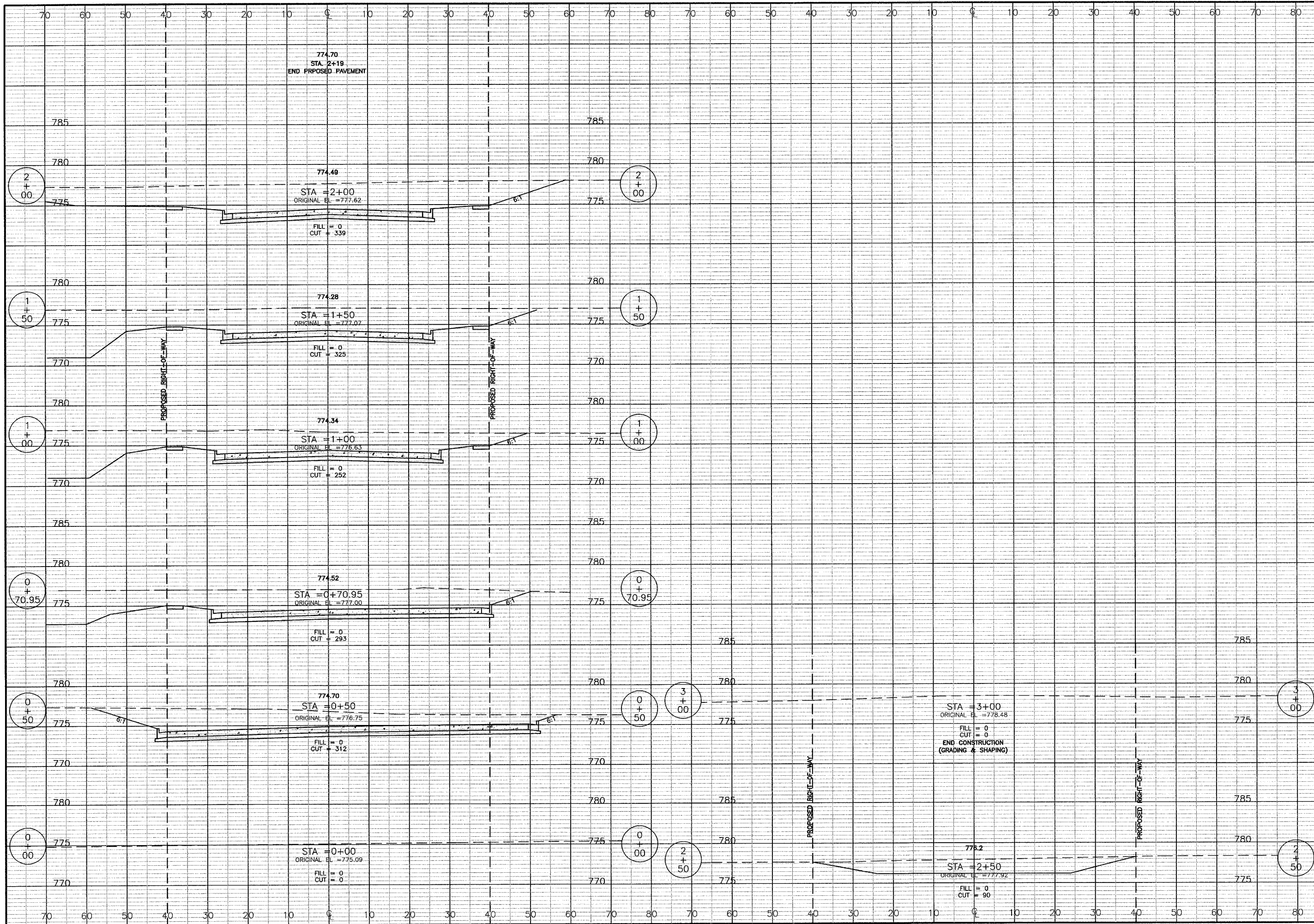
KNOX COUNTY, ILLINOIS

JOB NO. 240215
SHEET NO. 15
X4
02/22/2005

Bruner, Cooper & Zuck, Inc.
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REVISIONS

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CHECKED:	KJC
APPROVED:	KJC
FILE NAME:	240215/14



**CROSS SECTIONS - LOGISTICS PARKWAY
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS**

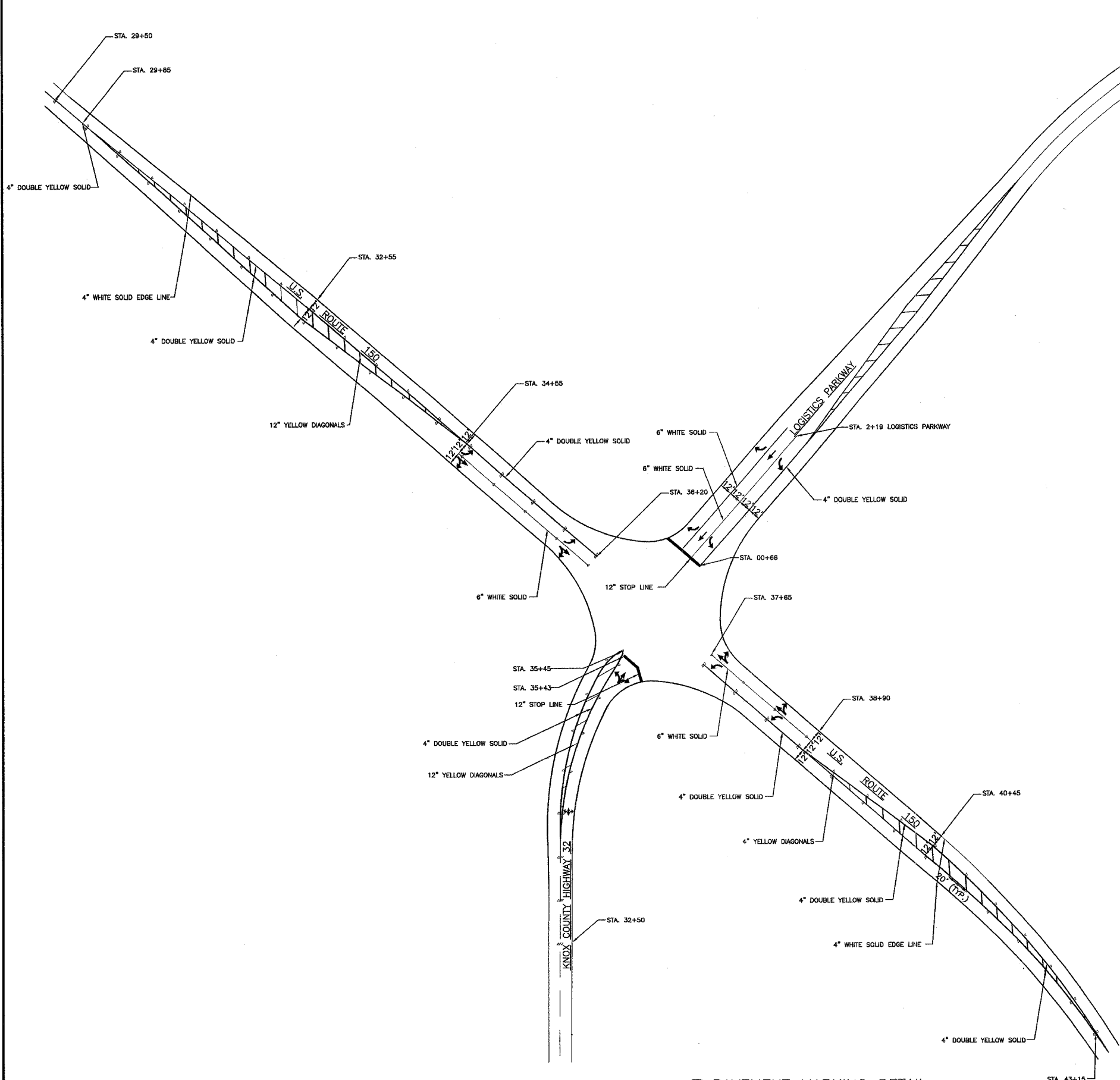
REVISIONS 04/07/2006 BCB

DRAWN: JWH
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 APPROVED:
 APPROVED:
 FILE NAME: 240215/16

Bruner, Cooper & Zuck, Inc.
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LOGISTICS ENGINEERS
BCZ
 CONSULTING ENGINEERS
 LAND SURVEYORS

JOB NO.
 240215
 SHEET NO. 16
X5
 02/22/2005



PAVEMENT MARKINGS -- US ROUTE 150/CH32/LOGISTICS PARKWAY

LOCATION	TYPE	COLOR		4"	6"	12"	SQ. FT.		
		THERMO	PAINT						
US 150 (GRAND AVE.)									
29+50 TO 29+85	DOUBLE SOLID	YELLOW		70					
29+85 TO 36+20	DOUBLE SOLID	YELLOW		1270					
34+85 TO 36+20	SOLID	WHITE			165				
29+50 TO 36+10	SOLID - EDGE LINE	WHITE		1320					
29+85 TO 34+85	DIAGONALS	YELLOW				200			
37+65 TO 43+15	DOUBLE SOLID	YELLOW		1100					
37+65 TO 38+90	SOLID	WHITE			125				
37+75 TO 43+15	SOLID - EDGE LINE	WHITE		1080					
38+90 TO 43+15	DIAGONALS	YELLOW				200			
34+66	LT. TURN ARROW	WHITE					15.6		
34+66	THRU/RIGHT ARROW	WHITE					26.0		
35+90	LT. TURN ARROW	WHITE					15.6		
35+90	THRU/RIGHT ARROW	WHITE					26.0		
37+83	LT. TURN ARROW	WHITE					15.6		
37+83	THRU/RIGHT ARROW	WHITE					26.0		
38+60	LT. TURN ARROW	WHITE					15.6		
38+60	THRU/RIGHT ARROW	WHITE					26.0		
LOGISTICS PARKWAY									
0+66 TO 2+19 RTL	SOLID	WHITE			153				
0+66 TO 2+19 LTL	SOLID	WHITE			153				
0+66 TO 2+19 LTL	DOUBLE SOLID	YELLOW		306					
0+85	RT. TURN ARROW	WHITE					15.6		
0+85	LT. TURN ARROW	WHITE					15.6		
1+85	RT. TURN ARROW	WHITE					15.6		
1+85	LT. TURN ARROW	WHITE					15.6		
0+66	STOP LINE	WHITE				42			
KNOX COUNTY HIGHWAY 32									
32+80 TO 35+45	DOUBLE SOLID	YELLOW		590					
32+50 TO 35+45	DIAGONALS	YELLOW			76				
35+45	STOP LINE	WHITE				33			
35+15	THRU/LEFT/RIGHT ARROW	WHITE					36.4		
35+15	THRU/LEFT/RIGHT ARROW	WHITE					36.4		
TOTALS				THERMO	WHITE	YELLOW	PAINT	WHITE	YELLOW
				2400	290	33	239.2		
				3030	76	400	136.5	62.4	
				306	306	42	62.4		
				5736	672	475	301.6		

SHORT TERM PAVEMENT MARKING (4")

LOCATION	SCHEDULE	FEET
US 150 (GRAND AVE.)		
29+50 TO 43+15	AFTER COLD MILLING	136.5
29+50 TO 43+15	AFTER LEVELING BINDER	136.5
29+50 TO 43+15	AFTER BITUMINOUS SURFACE & BEFORE PERMANENT MARKING	136.5
CH 32		
32+50 TO 35+73	AFTER LEVELING BINDER	32.5
32+50 TO 35+73	AFTER BITUMINOUS SURFACE & BEFORE PERMANENT MARKING	32.5
LOGISTICS PARKWAY		
00+18 TO 02+19	AFTER PCC PAVEMENT & BEFORE PERMANENT MARKING	20.5
		495

WORK ZONE PAVEMENT MARKING REMOVAL (4")

LOCATION	SQ. FT.
US 150 (GRAND AVE.)	
29+50 TO 43+15	45
CH 32	
32+50 TO 35+73	11
LOGISTICS PARKWAY	
00+18 TO 02+19	7
TOTAL	
	63

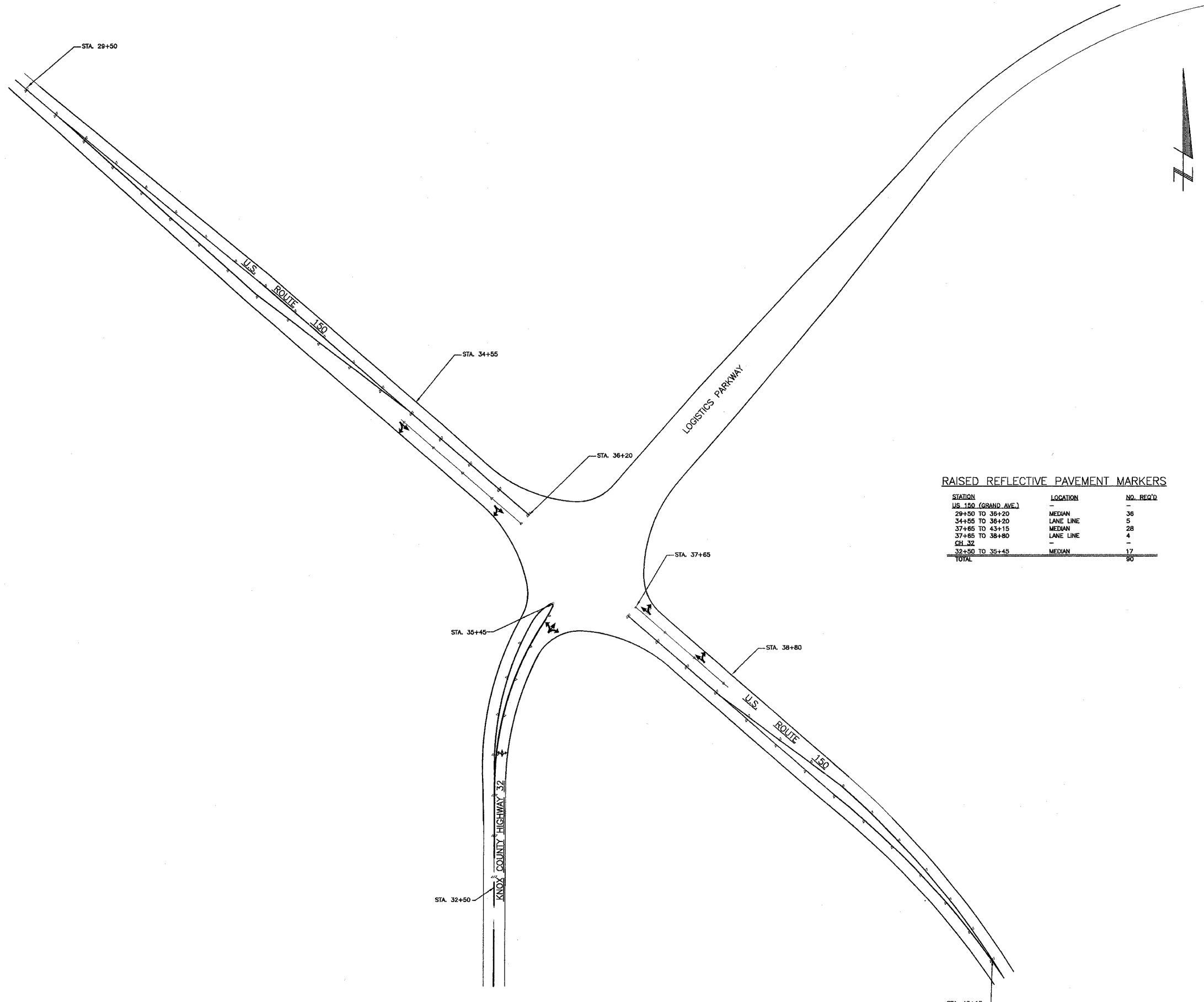
PAVEMENT MARKING DETAIL
 SCALE: 1" = 50'

REVISIONS 04/03/2006 JWH
 DRAWN: JWH
 CHECKED: KJC
 APPROVED: KJC
 APPROVED: KJC
 FILE NAME: 240215/PM1.DWG

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 Fax: (309) 345-3023
 E-Mail: brcoz@brcoz.com

PAVEMENT MARKING DETAIL
PLANS FOR PROPOSED
INTERSECTION CONSTRUCTION
US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
GALESBURG, ILLINOIS

JOB NO.
 240215
 SHEET NO. 17
PM1
 02/22/2005



RAISED REFLECTIVE PAVEMENT MARKERS

STATION	LOCATION	NO. REQ'D
US 150 (GRAND AVE.)	-	-
29+50 TO 36+20	MEDIAN	36
34+55 TO 35+20	LANE LINE	5
37+65 TO 43+15	MEDIAN	28
37+65 TO 38+80	LANE LINE	4
CH 32	-	-
32+50 TO 35+45	MEDIAN	17
TOTAL		90

1 RAISED REFLECTIVE PAVEMENT MARKER DETAIL
 SCALE: 1" = 50'

REVISIONS	DRAWN: JWH
	CHECKED: KJC
	APPROVED: KJC
	APPROVED: KJC
	FILE NAME: 240215/PM2.DWG

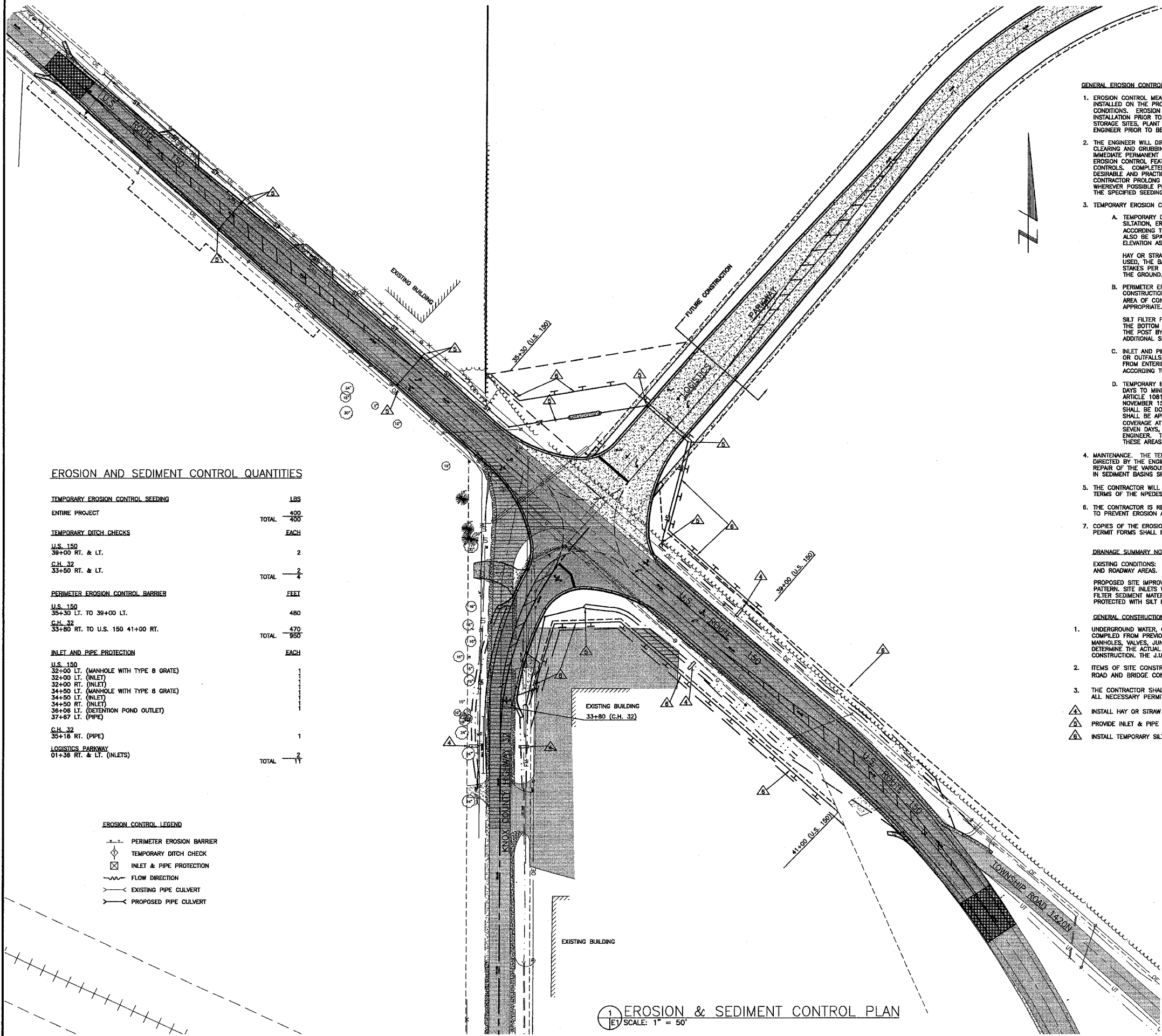
Bruner, Cooper & Zuck, Inc.
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Structural Engineers
 Land Surveyors
 P.E. SE LICENSE 191-002833
 P.L.S. RRM LICENSE 046-000172



RAISED REFLECTIVE PAVEMENT MARKER DETAIL
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

JOB NO.
240215
 SHEET NO. 18
PM2
 02/22/2005



GENERAL EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES AS INDICATED IN THE EROSION CONTROL PLAN, AND AS DIRECTED BY THE ENGINEER SHALL BE INSTALLED ON THE PROJECT SITE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS. EROSION CONTROL DEVICES SHALL BE IN PLACE AND APPROVED BY THE ENGINEER AS TO PROPER PLACEMENT AND INSTALLATION PRIOR TO BEGINNING OTHER WORK. EROSION CONTROL PROTECTION FOR CONTRACTOR BORROW PITS, EQUIPMENT STORAGE SITES, PLANT SITES, HAUL ROADS AND OTHER SITES SHALL BE INSTALLED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AT EACH SITE.
2. THE ENGINEER WILL DIRECT SEEDING OR OTHER METHODS TO LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW AND EMBANKMENT OPERATIONS, AND TO DIRECT THE CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY EROSION CONTROL MEASURES. THE CONTRACTOR SHALL INCORPORATE ALL PERMANENT EROSION CONTROL FEATURES INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME TO MINIMIZE THE NEED FOR TEMPORARY CONTROLS. COMPLETED SLOPES SHALL BE SEEDDED AND MULCHED AS THE EXCAVATION PROCEEDS TO THE EXTENT CONSIDERED DESIRABLE AND PRACTICAL. PERMANENT SEEDING SHALL BE USED WHENEVER POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDDED AT ONE TIME. WHEREVER POSSIBLE PERMANENTLY SEEDDED AREAS SHALL BE AVOIDED WHEN PERFORMING ADJACENT WORK. SEEDING DONE OUTSIDE THE SPECIFIED SEEDING DATES SHALL BE APPROVED BY THE ENGINEERING IN WRITING.
3. TEMPORARY EROSION CONTROL SYSTEMS:
 - A. TEMPORARY DITCH CHECKS: THIS SYSTEM CONSISTS OF THE CONSTRUCTION OF TEMPORARY DITCH CHECKS TO PREVENT SILTATION, EROSION OR SCOUR OF VARIOUS DITCHES AND DRAINAGEWAYS. THE DITCH CHECKS SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD DRAWINGS, AND, WHERE APPROPRIATE, THE MANUFACTURERS' SPECIFICATIONS. THEY SHALL ALSO BE SPACED SO THAT THE LOW POINT IN THE CENTER OF THE DITCH CHECK IS AT APPROXIMATELY THE SAME ELEVATION AS THE GROUND LINE AT THE DITCH CHECK IMMEDIATELY UPSTREAM.
HAY OR STRAW BALES SHALL BE INSTALLED IN A BACKFILLED TRENCH 3 INCHES DEEP. WHERE MORE THAN ONE ROW IS USED, THE BALES SHALL BE STAGGERED TO COVER JOINTS. WHERE BALES ARE TO BE STAKED, A MINIMUM OF TWO STAKES PER BALE SHALL BE USED. THE BALES SHALL BE PLACED SO THAT THE BALES TIES ARE NOT IN CONTACT WITH THE GROUND. THIS WORK MAY BE CONSTRUCTED OF HAY OR STRAW BALES.
 - B. PERIMETER EROSION BARRIER: THIS SYSTEM CONSISTS OF A CONTINUOUS BARRIER ADJACENT TO AN AREA OF CONSTRUCTION TO INTERCEPT SHEET FLOW OF WATER BORNE SILT AND SEDIMENT, AND PREVENT IT FROM LEAVING THE AREA OF CONSTRUCTION. THE BARRIER SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS' SPECIFICATIONS WHERE APPROPRIATE.
SILT FILTER FENCE SHALL BE SUPPORTED ON POSTS AT LEAST 6 FEET IN LENGTH, AND SPACED ON 6 FOOT CENTERS. THE BOTTOM OF THE FABRIC SHALL BE INSTALLED IN A BACKFILLED TRENCH 6 INCHES DEEP, AND SECURELY ATTACHED TO THE POST BY A METHOD APPROVED BY THE ENGINEER. EROSION CONTROL FENCE MAY BE SPECIFIED TO PROVIDE ADDITIONAL SUPPORT FOR THIS INSTALLATION.
 - C. INLET AND PIPE PROTECTION: THIS SYSTEM CONSISTS OF PLACEMENT OF PROTECTION SURROUNDING INLETS, PIPE INLETS OR OUTFALLS, AND IN SIMILAR LOCATIONS AS REQUIRED TO INTERCEPT WATER BORNE SILT AND SEDIMENT AND PREVENT IT FROM ENTERING THE DRAINAGE SYSTEM OR EXITING THE CONSTRUCTION AREA. THE PROTECTION SHALL BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS' SPECIFICATIONS WHERE APPROPRIATE.
 - D. TEMPORARY EROSION CONTROL SEEDING: THIS SYSTEM CONSISTS OF SEEDING ALL ERODIBLE/BARE AREAS EVERY SEVEN DAYS TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREA WITHIN CONTRACT LIMITS. SEED SHALL BE ACCORDING TO ARTICLE 1081.04 AND SHALL CONSIST OF OATS FROM MARCH 1 TO JULY 31 AND WINTER WHEAT FROM AUGUST 1 TO NOVEMBER 15. SEED BED PREPARATION SHALL NOT BE REQUIRED IF THE SOIL IS IN A LOOSE CONDITION. LIGHT DISKING SHALL BE DONE IF THE SOIL IS HARD PACKED OR CAKED. FERTILIZER NUTRIENTS WILL NOT BE REQUIRED. THE SEED SHALL BE APPLIED BY HAND BROADCASTING OR AS DIRECTED BY THE ENGINEER, TO ACHIEVE A REASONABLY UNIFORM COVERAGE AT A RATE OF 100 LB/ACRE. SEED SHALL BE APPLIED TO ALL BARE AREAS WITHIN CONTRACT LIMITS EVERY SEVEN DAYS, REGARDLESS OF WEATHER CONDITIONS OR PROGRESS OF THE WORK, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE ENGINEER MAY REQUIRE THAT CRITICAL LOCATIONS BE SEEDDED IMMEDIATELY, THE CONTRACTOR SHALL SEED THESE AREAS WITHIN 48 HOURS OF SUCH DIRECTIVE.
4. MAINTENANCE: THE TEMPORARY EROSION CONTROL SYSTEMS INSTALLED BY THE CONTRACTOR SHALL BE PROPERLY MAINTAINED AS DIRECTED BY THE ENGINEER TO CONTROL SILTATION AT ALL TIMES DURING THE LIFE OF THE CONTRACT. THIS WORK SHALL INCLUDE REPAIR OF THE VARIOUS SYSTEMS, REMOVAL OF TRAPPED SEDIMENT AND CLEANING OF ANY SILT FILTER FABRIC. ACCUMULATED SILT IN SEDIMENT BASINS SHALL BE REMOVED AT ANY TIME THE BASIN BECOMES 75 PERCENT FILLED.
5. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT CERTIFICATION STATEMENT (NPDES ATTACHMENT 6). FULL COMPLIANCE WITH ALL TERMS OF THE NPDES PERMIT MUST BE STRICTLY ADHERED TO.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION.
7. COPIES OF THE EROSION AND SEDIMENT CONTROL PLAN (ESCP), STORM WATER POLLUTION PREVENTION PLAN (SWPP), AND NPDES PERMIT FORMS SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

DRAINAGE SUMMARY NOTES:

EXISTING CONDITIONS: THE EXISTING SITE GENERALLY DRAINS IN A NORTHWESTERLY & SOUTHERLY DITCH FLOW. AGRICULTURAL AND ROADWAY AREAS.
PROPOSED SITE IMPROVEMENTS: PROPOSED SITE IMPROVEMENTS WILL NOT CHANGE THE EXISTING GENERAL SITE DRAINAGE PATTERN. SITE INLETS WHICH CAPTURE A MAJORITY OF THE SITE RUNOFF ARE TO BE FITTED WITH INLET BASKETS IN ORDER TO FILTER SEDIMENT MATERIALS FROM STORMWATER. AREAS OF PROPOSED EARTH DISTURBANCE DURING CONSTRUCTION SHALL BE PROTECTED WITH SILT FENCE.

GENERAL CONSTRUCTION NOTES:

1. UNDERGROUND WATER, GAS, TELEPHONE, SEWER, AND ELECTRICAL UTILITY INFORMATION SHOWN ON THIS PLAN WAS COMPILED FROM PREVIOUS SITE PLANS, UTILITY COMPANY MAPS, AND FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS MANHOLES, VALVES, JUNCTION BOXES, ET CETERA. IN ALL CASES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ANY UNDERGROUND UTILITIES THAT MAY AFFECT HIS WORK PRIOR TO ANY ON-SITE CONSTRUCTION. THE J.U.L.I.E. TELEPHONE NUMBER IS 1-800-892-0123.
 2. ITEMS OF SITE CONSTRUCTION SHALL BE GOVERNED BY THE APPLICABLE PROVISIONS OF "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1 2002, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL STATE AND LOCAL ORDINANCES AND SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO INITIATING CONSTRUCTION.
- ▲ INSTALL HAY OR STRAW BALE TEMPORARY DITCH CHECKS AS REQUIRED AND SPACED AS NEEDED.
 ▲ PROVIDE INLET & PIPE PROTECTION TO PREVENT SILT AND SEDIMENT FROM LEAVING THE CONSTRUCTION AREA.
 ▲ INSTALL TEMPORARY SILT FILTER FENCE AS AN EROSION BARRIER AS REQUIRED IN ACCORDANCE WITH IDOT STANDARD 280001-02.

EROSION AND SEDIMENT CONTROL QUANTITIES

TEMPORARY EROSION CONTROL SEEDING	LBS
ENTIRE PROJECT	TOTAL 400
TEMPORARY DITCH CHECKS	
U.S. 150	EACH
38+00 RT. & LT.	2
C.H. 32	
33+80 RT. & LT.	2
	TOTAL 4
PERIMETER EROSION CONTROL BARRIER	
U.S. 150	FEET
35+30 LT. TO 39+00 LT.	480
C.H. 32	
33+80 RT. TO U.S. 150 41+00 RT.	470
	TOTAL 950
INLET AND PIPE PROTECTION	
U.S. 150	EACH
32+00 LT. (MANHOLE WITH TYPE B GRATE)	
32+00 LT. (INLET)	
32+00 RT. (INLET)	
34+80 LT. (MANHOLE WITH TYPE B GRATE)	
34+80 LT. (INLET)	
34+80 RT. (INLET)	
36+08 LT. (DETENTION POND OUTLET)	
37+67 LT. (PIPE)	
C.H. 32	
35+18 RT. (PIPE)	1
LOGISTICS PARKWAY	
01+38 RT. & LT. (INLETS)	2
	TOTAL 11

EROSION CONTROL LEGEND

- PERIMETER EROSION BARRIER
- ◇ TEMPORARY DITCH CHECK
- ⊠ INLET & PIPE PROTECTION
- FLOW DIRECTION
- EXISTING PIPE CULVERT
- PROPOSED PIPE CULVERT

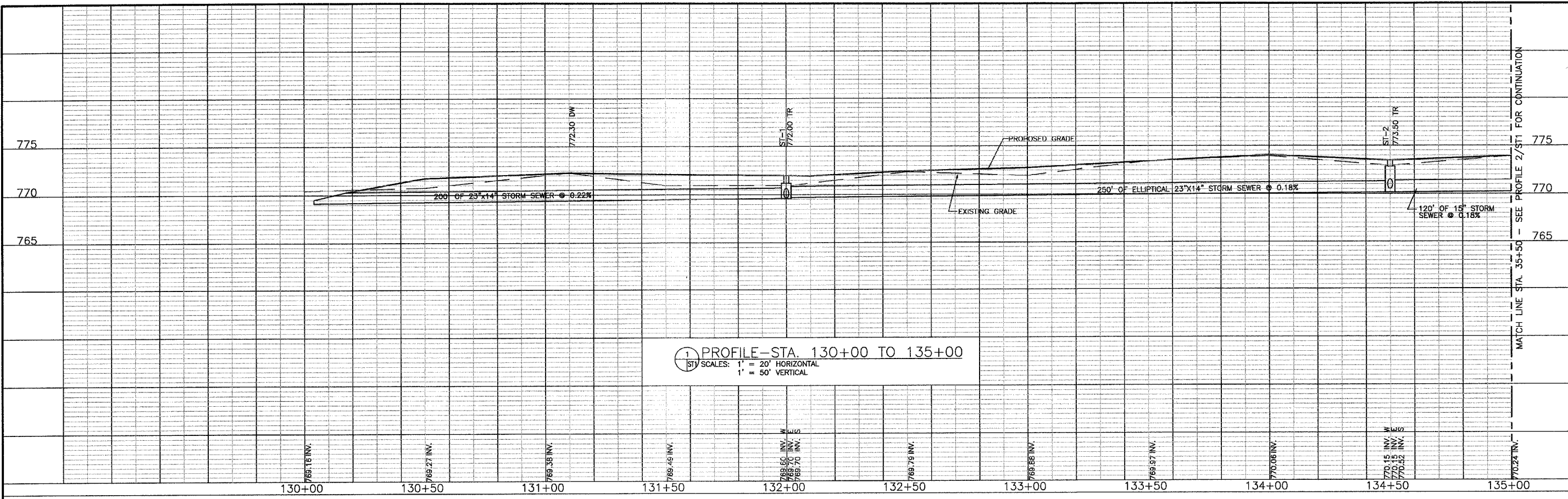
EROSION & SEDIMENT CONTROL PLAN
SCALE: 1" = 50'

REVISIONS 04/03/2006 JNH

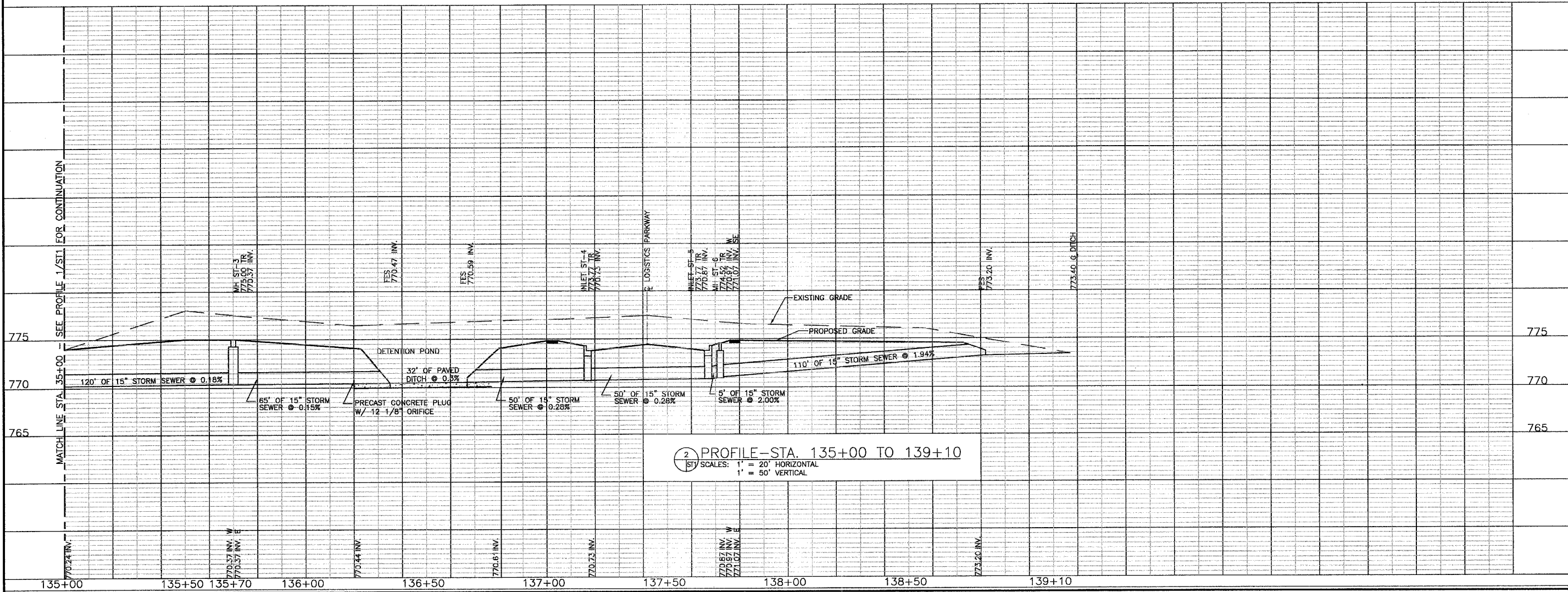
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BRUNER, COOPER & ZUCK, Inc.	Structural Engineers	Land Surveyors	
188 East Simmons Street Galesburg, Illinois 61402-1519		P.E.-SE LICENSE: 094-002833	P.L.S. FIRM LICENSE: 006-001112

EROSION & SEDIMENT CONTROL PLAN
PLANS FOR PROPOSED
INTERSECTION CONSTRUCTION
US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
GALESBURG, ILLINOIS

JOB NO. 240215
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02/22/2005



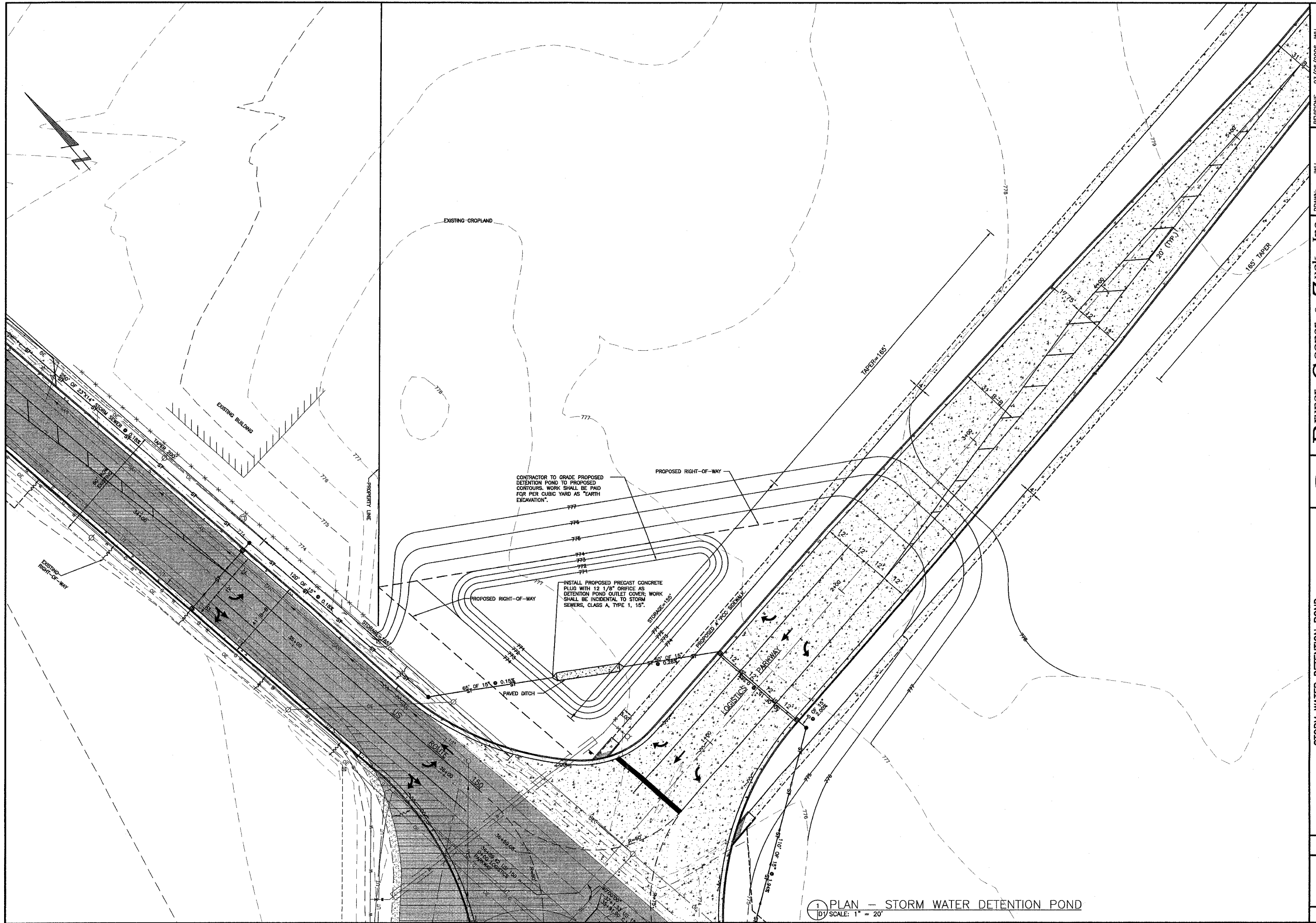
1 PROFILE - STA. 130+00 TO 135+00
 STV SCALES: 1" = 20' HORIZONTAL
 1" = 50' VERTICAL



2 PROFILE - STA. 135+00 TO 139+10
 STV SCALES: 1" = 20' HORIZONTAL
 1" = 50' VERTICAL

<p>STORM SEWER - PROFILE 30+00 TO 39+10 PLANS FOR PROPOSED INTERSECTION CONSTRUCTION LOGISTICS PARKWAY & KNOX COUNTY HWY. 32 GALESBURG, ILLINOIS</p>	<p>BRUNER, COOPER & ZUCK, Inc. Consulting Engineers Structural Engineers Land Surveyors 188 East Simmons Street P.O. Box 1519 Galesburg, Illinois 61602-1519 Phone: (309) 343-0922 Fax: (309) 343-9372 E-Mail: brcooper@brcooper.com</p>	<p>REVISIONS 03/06/2006 JWH 04/03/2006 JWH</p>
<p>JOB NO. 240215</p>	<p>DRAWN: MKI CHECKED: LMJ APPROVED: KJC</p>	<p>FILE NAME: 240215\PLANSET\CH10\ST1</p>
<p>SHEET NO. 20</p>	<p>DATE: 02/27/2005</p>	

ST1



CONTRACTOR TO GRADE PROPOSED DETENTION POND TO PROPOSED CONTOURS. WORK SHALL BE PAID FOR PER CUBIC YARD AS "EARTH EXCAVATION".

INSTALL PROPOSED PRECAST CONCRETE PLUG WITH 12 1/8" ORIFICE AS DETENTION POND OUTLET COVER. WORK SHALL BE INCIDENTAL TO STORM SEWERS, CLASS A, TYPE 1, 15".

1 PLAN - STORM WATER DETENTION POND
 (D1) SCALE: 1" = 20'

BRUNER, COOPER & ZUCK, INC. Consulting Engineers 188 East Simms Street Galesburg, Illinois 62401-5119 Phone: (309) 343-5322 Fax: (309) 343-5322 E-Mail: brcooper@brcooper.com		REVISIONS 03/06/2006 JWH 04/07/2006 JWH
Structural Engineers Land Surveyors PE-SE 103062, 184-02633 P.O. Box 519 Galesburg, Illinois 62402-5119		DRAWN: JWH CHECKED: KJC APPROVED: KJC APPROVED: KJC
STORM WATER DETENTION POND PLANS FOR PROPOSED INTERSECTION CONSTRUCTION US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32 GALESBURG, ILLINOIS		
JOB NO. 240215		SHEET NO. 21
D1		02/22/2005