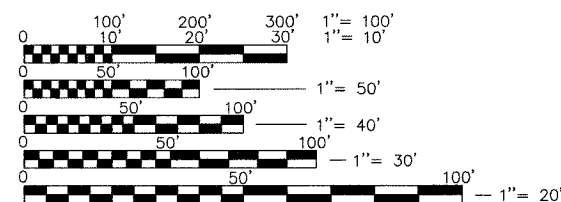


INDEX OF SHEETS

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- TYPICAL SECTION
- EXISTING CONDITIONS/REMOVAL PLAN
- CIVIL SITE PLAN
- PAVING PLAN
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12. MISCELLANEOUS CONSTRUCTION DETAILS
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18. STRUCTURAL DETAILS

STANDARDS

000001-04
280001-02
420001-06
606401
701006-02
701301-02
702001-05
720001
720006
780001-01
BLR 10-5

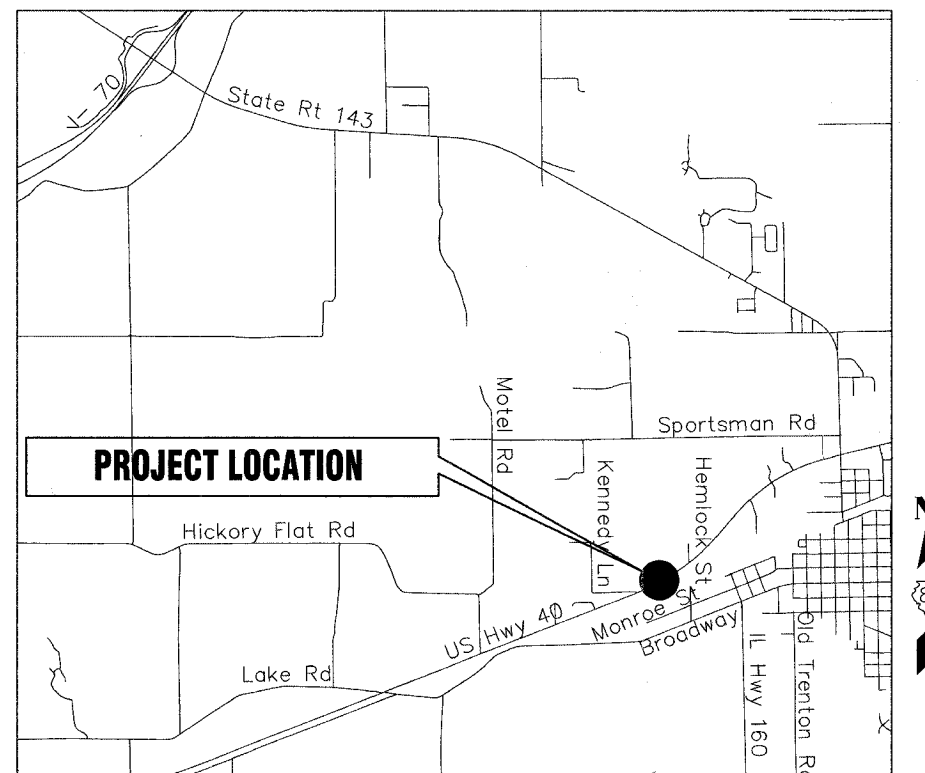


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

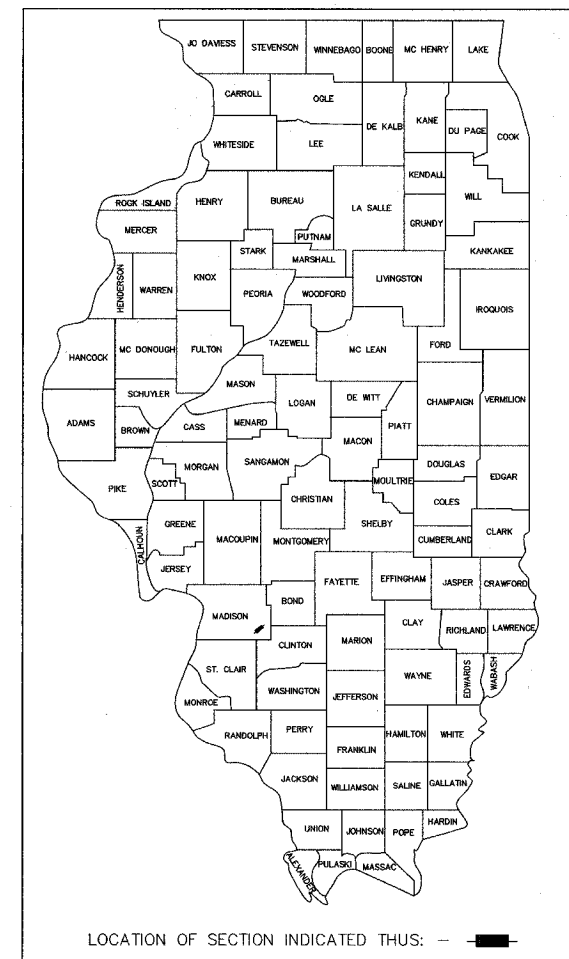
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT DISTRICT

SECTION NO. 00-00012-00-PK
PROJECT NO. CMM-5011(215)
MADISON COUNTY
JOB NO. C-98-173-00



LOCATION MAP
SCALE: 1" = 1000'
SECTION 6, T. 3 N., R. 5 W., 3RD P.M.



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED <u>Dec 20</u> , 20 <u>05</u>	<u>[Signature]</u> LOCAL AGENCY OFFICIAL
PASSED <u>1-4</u> , 20 <u>06</u>	<u>[Signature]</u> LOCAL ROADS AND STREETS ENGINEER
APPROVED <u>1-4</u> , 20 <u>06</u>	<u>[Signature]</u> MARY C. LAMIE, P.E. DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER

Ronald A. Keepes 12/20/05
RONALD A. KEEPPES, P.E. No. 062-48711 DATE
(Printed by Authority of the State of Illinois)
Job No. E054401



Expires 11/30/07

GENERAL NOTES

- 1) THE CONTRACTOR, AT HIS EXPENSE, SHALL DISPOSE OF ALL EXCESS MATERIALS EXCAVATED IN ACCORDANCE WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002.
- 2) WHERE SECTION OR SUBSECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED.
- 3) THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 4) THE STANDARDS WITH THE REVISION NUMBERS LISTED ON THE COVER SHEET AND IN THE PLANS SHALL HOLD PRECEDENCE OVER THE STANDARD NUMBERS LISTED IN THE SPECIAL PROVISIONS OR PLANS OF THIS CONTRACT.
- 5) IN ORDER TO AVOID DAMAGE TO UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES NOT BELONGING TO THE J.U.L.I.E. SYSTEM AND OBTAIN THE LOCATION AND DEPTH OF THEIR RESPECTIVE FACILITIES.
- 6) ALL AREAS DISTURBED FOR WHATEVER REASON, SHALL BE SEEDED WITH CLASS 1 SEEDING AS DESCRIBED IN THE SPECIAL PROVISIONS AND AS SHOWN ON THE PLANS.
- 7) SITE GRADING SHALL BE PERFORMED AS NECESSARY AT DISCHARGE AND INLET POINTS FOR PIPE CULVERT/STORM SEWERS TO ALLOW PROPER FLOW. SUCH WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- 8) THE SAW-CUTTING OF EXISTING ROAD PAVEMENT TO A SUFFICIENT DEPTH TO CREATE A CLEAN VERTICAL JOINT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL.
- 9) REMOVAL OF AGGREGATE, OIL AND CHIP BITUMINOUS, AND BITUMINOUS MATERIALS SHALL BE INCLUDED IN EARTH EXCAVATION.
- 10) ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON MEAN SEA LEVEL (M.S.L.) DATUM.
- 11) EXISTING UTILITIES SHOWN ON THE PLANS ARE PLOTTED FROM AVAILABLE INFORMATION. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE ONLY AND THERE MAY BE OTHERS NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL UTILITIES. ANY DAMAGE TO UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR IS ADVISED THAT ONLY LIMITED UNDERGROUND INVESTIGATION OF UTILITIES HAS BEEN PERFORMED IN CONNECTION WITH THIS PROJECT. SOME PLAN INFORMATION HAS BEEN OBTAINED FROM VISUAL SURFACE INSPECTION OR AVAILABLE DOCUMENTATION. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE PRESENCE, SPECIFIC SIZE, LOCATION OR CONDITION OF UNDERGROUND UTILITY AND DISTRIBUTION SYSTEMS. IN ORDER TO AVOID DAMAGE TO UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES BELONGING TO THE J.U.L.I.E. SYSTEM, ALONG WITH THOSE WHO DO NOT, AND OBTAIN THE LOCATION AND DEPTH OF THEIR RESPECTIVE FACILITIES. IT SHOULD BE NOTED THAT UTILITY SERVICE LINES ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO HAVE THEIR MAIN AND SERVICE LINES RELOCATED WHERE THEY CONFLICT WITH THE PROPOSED WORK.
- 12) SURVEY INFORMATION SHOWN TAKEN FROM FIELD SURVEY PROVIDED BY JUNEAU ASSOCIATES, INC., P.C., DATED JULY 2005.
- 13) CONCRETE WHEEL STOPS CURRENTLY EXIST ON SITE AROUND PERIMETER OF PROPERTY. CONTRACTOR SHALL REMOVE ALL WHEEL STOPS AND STOCKPILE, AT A LOCATION AS DIRECTED BY THE ENGINEER, FOR RE-USE FOLLOWING PARKING LOT IMPROVEMENTS. CONTRACTOR SHALL NOT DAMAGE THE EXISTING WHEEL STOPS DURING REMOVAL. ANY DAMAGED WHEEL STOPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENCE. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT UNIT PRICE EACH FOR WHEEL STOP REMOVAL AND REPLACEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 14) SOIL BORINGS SHOWN IN THE PLANS CORRESPOND TO THE GEOTECHNICAL REPORT PREPARED BY QUALITY TESTING AND ENGINEERING, INC., PREPARED FOR PROJECT DATED OCTOBER 12, 2005 AND ARE SUPPLIED ON SHEET 11.
- 15) ALL ACCUMULATED SILT SHALL BE REMOVED FROM THE STORM SEWER UPON COMPLETION OF THE IMPROVEMENTS SHOWN AND DISTURBED AREAS ARE STABILIZED. COST OF WORK SHALL BE INCLUDED IN COST OF EARTH EXCAVATION.
- 16) CONTRACTOR SHALL RECORD DEPTHS & DIMENSIONS TO ALL UTILITY LOCATIONS UNEARTHED DURING CONSTRUCTION AND PROVIDE ARCHITECT/ENGINEER COPY UPON COMPLETION OF PROJECT. COST OF WORK SHALL BE INCLUDED IN COST OF EARTH EXCAVATION.
- 17) POTABLE WATER SYSTEM EXTENSION TO BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF ILLINOIS STANDARDS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS DATED MAY 1996. MINIMUM COVER SHALL BE 42" FROM THE FINISHED GRADE TO THE TOP OF THE PIPE.
- 18) THE CITY OF HIGHLAND SHALL PROVIDE CONNECTION TO EXISTING WATER MAIN AND WILL PROVIDE NEW WATER SERVICE AND WATER METER. CONTRACTOR SHALL COORDINATE WORK WITH THE CITY OF HIGHLAND AND SHALL PROVIDE NEW WATER SERVICE FROM WATER METER TO GROUND HYDRANT. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR WATER SERVICE AND GROUND HYDRANT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 19) ALL PAVEMENT MARKINGS SHALL BE PAINTED WHITE WITH THE EXCEPTION OF ANY PAVEMENT MARKINGS USED FOR DELINEATION OF ACCESSIBLE PARKING, IN WHICH CASE ALL STRIPING SHALL BE YELLOW.
- 20) PROPOSED CONTOURS GENERALLY REFLECT ULTIMATE FINISHED GRADE FOR THIS CONTRACT. FINISHED GRADES SHALL BE WITHIN 0.1 FT. OF PLAN GRADE WITH THE EXCEPTION OF ELEVATIONS FOR THE ACCESSIBLE PARKING AND ACCESS AISLES, WHICH SHALL BE AT PLAN GRADE. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT HAVE SLOPES EXCEEDING 1.75% IN ANY DIRECTION. FINISH GRADES EXCEEDING PLAN GRADES IN THESE AREAS WILL REQUIRE REMOVAL AND REPLACEMENT TO CONFORM TO DESIGN GRADES AT THE DIRECTION OF THE ENGINEER.
- 21) PRIOR TO PLACEMENT OF AGGREGATE BASE COURSE FOR NEW PAVEMENT, FOLLOWING REMOVAL OF EXISTING OIL AND CHIP SURFACE, CONTRACTOR SHALL PROOF ROLL EXISTING AGGREGATE SURFACE IN THE PRESENCE OF THE ENGINEER FOR APPROVAL.
- 22) THE FOLLOWING CONSTANTS WERE USED IN THE CALCULATION OF QUANTITIES FOR THIS PROJECT:

NITROGEN FERTILIZER NUTRIENTS	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENTS	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENTS	90 LBS/ACRE
MULCH	2 TONS/ACRE
BITUMINOUS CONCRETE	112 LBS/S.Y./INCH
BITUMINOUS MATERIALS	0.07 GAL/S.Y. (PAVED SURFACE)
	0.25 GAL/S.Y. (AGGREGATE SURFACE)
GRANULAR MATERIALS	2.05 TONS/C.Y.

ABBREVIATIONS

TBA	TO BE ADJUSTED	L	LENGTH
TBRBO	TO BE REMOVED BY OTHERS	LF	LINEAR FEET
TBR&R	TO BE REMOVED AND REPLACED	IN	INLET
TBR	TO BE REMOVED	INV	INVERT
AD	ALGEBRAIC DIFFERENCE	MAX	MAXIMUM
ASPH	ASPHALT PAVEMENT	MH	MANHOLE
BIT	BITUMINOUS CONCRETE	MJ	MECHANICAL JOINT
BND	BEND	MIN	MINIMUM
BVCE	BEGINING VERTICAL CURVE ELEVATION	N	NORTHING
BVCS	BEGINING VERTICAL CURVE STATION	NIC	NOT IN CONTRACT
C	CHORD LENGTH	PCC	PORTLAND CEMENT CONCRETE
C&G	CURB & GUTTER	PE	PIPE END
CI	CURB INLET	PL	PROPERTY LINE
CB	CATCH BASIN	PVC	POLYVINYL CHLORIDE PIPE
CL	CENTERLINE	PVI	POINT OF VERTICAL INTERSECTION
CMP	CORRUGATED METAL PIPE	R	RADIUS
CO	CLEAN OUT	RCBC	REINFORCED CONCRETE BOX CULVERT
CONC	CONCRETE	ROP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	ROW	RIGHT OF WAY
DSFL	DOWN STREAM FLOW LINE	SAN	SANITARY
DTL	DETAIL	SB	SOIL BORING
DWG	DRAWING	SHT	SHEET
E	EASTING	STA	STATION
ELEC	ELECTRIC	STM	STORM
ELEV	ELEVATION	TELE	TELEPHONE
EM	ELECTRIC METER	TBM	TEMPORARY BENCH MARK
EOP	EDGE OF PAVEMENT	TYP	TYPICAL
EVCE	ENDING VERTICAL CURVE ELEVATION	UIP	USE IN PLACE
EVCS	ENDING VERTICAL CURVE STATION	USFL	UP STREAM FLOW LINE VERTICAL CURVE
EX	EXISTING	W	WEST
FES	FLARED END SECTION	WM	WATER METER
FFE	FINISHED FLOOR ELEVATION		
FH	FIRE HYDRANT		
FL	FLOW LINE		
GM	GAS METER		
GV	GAS VALVE		

LEGEND

EXISTING		PROPOSED
	OIL & CHIP PAVEMENT	
	RIP RAP AREA	
	CONCRETE PAVEMENT	
	PROPERTY LINE	
	R.O.W. LINE	
	CONTOUR LINE	
	WATER LINE	
	GAS LINE	
	OVERHEAD ELECTRIC LINE	
	FIBER OPTIC CABLE	
	CULVERT	
	SILT FENCE	
	GROUND HYDRANT	
	SIGN	
	BOLLARD	
	POWER POLE	
	POWER POLE WITH LIGHT STANDARD	
	LIGHT STANDARD	
	BENCH MARK	
	SOIL BORING	
	CONTROL POINT	

THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES LOCATED WITHIN THE THE LIMITS OF CONSTRUCTION. ADJUSTMENTS IN UTILITY LOCATIONS WILL BE MADE BY THE APPROPRIATE OWNER UNLESS OTHERWISE NOTED IN THE PLANS.

UTILITY OWNER	TYPE	REMARKS
SBC 203 GOETHE COLLINSVILLE, IL. 62234 * (618) 346-6400	TELEPHONE	NO ADJUSTMENT REQUIRED
CITY OF HIGHLAND PUBLIC WORKS DEPARTMENT 2610 PLAZA DRIVE * HIGHLAND, IL 62249-0218 (618) 654-7115	WATER	NO ADJUSTMENT REQUIRED
CHARTER COMMUNICATIONS 210 WEST DIVISION STREET MARYVILLE, IL. 62062 * (618) 345-8121	CABLE TELEVISION	NO ADJUSTMENT REQUIRED
CITY OF HIGHLAND 1115 BROADWAY HIGHLAND, IL 62249-0218 * (618) 654-7511	ELECTRIC	NO ADJUSTMENT REQUIRED
AMEREN IP 2600 NORTH CENTER STREET MARYVILLE, IL 62062 * (618) 346-1207	GAS	NO ADJUSTMENT REQUIRED
* VERIZON WIRELESS 124 POPLAR STREET HIGHLAND, IL 62249 (618) 654-8949	FIBER OPTIC	NO ADJUSTMENT REQUIRED

* UTILITIES WHICH BELONG TO J.U.L.I.E.

J.U.L.I.E. - JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
PHONE (800) 892-0123

J.U.L.I.E. WILL NOTIFY ALL UTILITY COMPANIES (BELONGING TO THE J.U.L.I.E. SYSTEM) INVOLVED THAT THEIR RESPECTIVE UTILITY SHOUD BE LOCATED. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.

COUNTY: MADISON

TOWNSHIP: HELVETIA

LOCATION: PROJECT IS LOCATED IN SECTION 6, TOWNSHIP 3 NORTH, RANGE 5 WEST OF THE THIRD PRINCIPLE MERIDIAN.

THE PROJECT IS LOCATED NORTH OF STATE HIGHWAY 40, WEST APROXIMATELY 0.5 MILES FROM THE CITY OF HIGHLAND IN MADISON COUNTY, ILLINOIS.



GENERAL NOTES & LEGEND
HIGHLAND PARK-RIDE IMPROVEMENTS
MADISON COUNTY TRANSIT
HIGHLAND, ILLINOIS
SECTION No. 00-00012-00-PK

			REVISIONS	SCALE:			
NO.	DATE	BY	REMARKS	DSN. BY:	DATE:	SHEET	
				RGL/AJW	12/20/05	2	
				RGL/AJW	12/20/05		
				RAK	12/20/05		
DWG. NO.						OF 18 SHTS	

Y026

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	226
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2432
20400800	FURNISHED EXCAVATION	CU YD	1693
20800150	TRENCH BACKFILL	CU YD	20
25000100	SEEDING, CLASS 1	ACRE	1.5
25100630	EROSION CONTROL BLANKET	SQ YD	157
28000300	TEMPORARY DITCH CHECK	EACH	6
28000400	PERIMETER EROSION BARRIER	FOOT	1103
28000500	INLET AND PIPE PROTECTION	EACH	3
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	6
28200200	FILTER FABRIC	SQ YD	6
30200850	PROCESSING MODIFIED SOILS 16"	SQ YD	6615
30201500	LIME	TON	219
35100100	AGGREGATE BASE COURSE, TYPE A	TON	625
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	6804
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	2516
42000201	PORTLAND CEMENT CONCRETE PAVEMENT, 7" (JOINTED)	SQ YD	1515
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	1224
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	5083
48100100	AGGREGATE SHOULDER TYPE A	TON	88
542A0213	PIPE CULVERTS, CLASS A, TYPE 1 8"	FOOT	22
54200643	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE, 18"	FOOT	24


Y026

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
60615400	PAVED DITCH TYPE A-15	FOOT	106
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	97
73000100	WOOD SIGN SUPPORT	FOOT	360
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	9168
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	83
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	208
X4066416	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70	TON	849
X4066616	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70	TON	849
XX002208	6" DIAMETER PIPE BOLLARD, CONCRETE FILLED	EACH	7
XX003816	FURNISHING AND INSTALLING CONCRETE WHEEL STOPS	EACH	92
X0322330	Handicap SIGN	EACH	8
* XX006458	PASSENGER SHELTER	L SUM	1
XX006456	PASSENGER SHELTER REMOVAL	L SUM	1
* XX005505	OUTDOOR LIGHT IMPROVEMENTS	L SUM	1
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2
* XX006455	WATER SERVICE AND GROUND HYDRANT	L SUM	1
XX006457	WHEEL STOP REMOVAL AND REPLACEMENT	EACH	100

* SPECIALTY ITEMS

FINAL SURVEY		SURVEYED	BY	DATE
NOTE BOOK		PLOTTED		
		TEMPLATE		
		AREAS		
NO.		AREAS CHECKED		

[illegible]

 <p>Jenue Associates, Inc. P.C. CONSULTING ENGINEERS AND LAND SURVEYORS 2030 State Street, P.O. Box 1255 Omaha, NE, 68104-0725 Phone: (402)877-1600/(402)462-0535 Fax: (402)462-0541</p>				<p>SUMMARY OF QUANTITIES HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION No. 00-00012-00-PK</p>																																							
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				NO.	DATE	BY	REMARKS																	<p>SCALE:</p> <table border="1"> <tbody> <tr> <td>DSN. BY:</td> <td>RGL/AJW</td> <td>DATE:</td> <td>12/20/05</td> </tr> <tr> <td>DWN. BY:</td> <td>RGL/AJW</td> <td>DATE:</td> <td>12/20/05</td> </tr> <tr> <td>CHK'D:</td> <td>RAK</td> <td>DATE:</td> <td>12/20/05</td> </tr> <tr> <td>JOB NO.</td> <td>E054401</td> <td>DWG NAME:</td> <td>OF 18 SHTS</td> </tr> </tbody> </table>				DSN. BY:	RGL/AJW	DATE:	12/20/05	DWN. BY:	RGL/AJW	DATE:	12/20/05	CHK'D:	RAK	DATE:	12/20/05	JOB NO.	E054401	DWG NAME:	OF 18 SHTS
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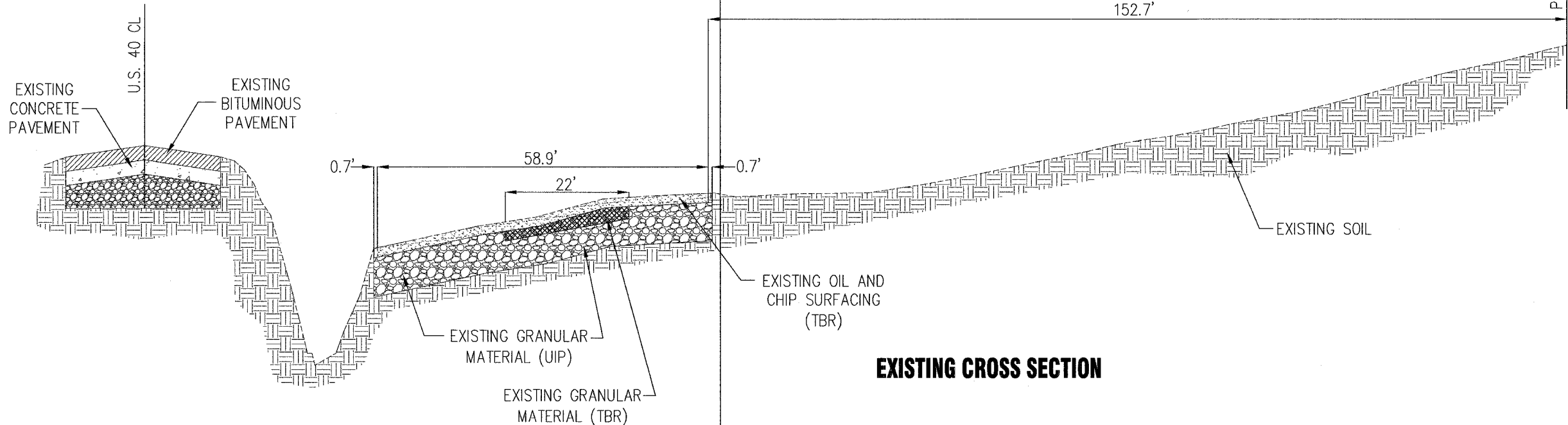
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-00012-00-PK	MADISON	18	4

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

CONTRACT NO. 97270

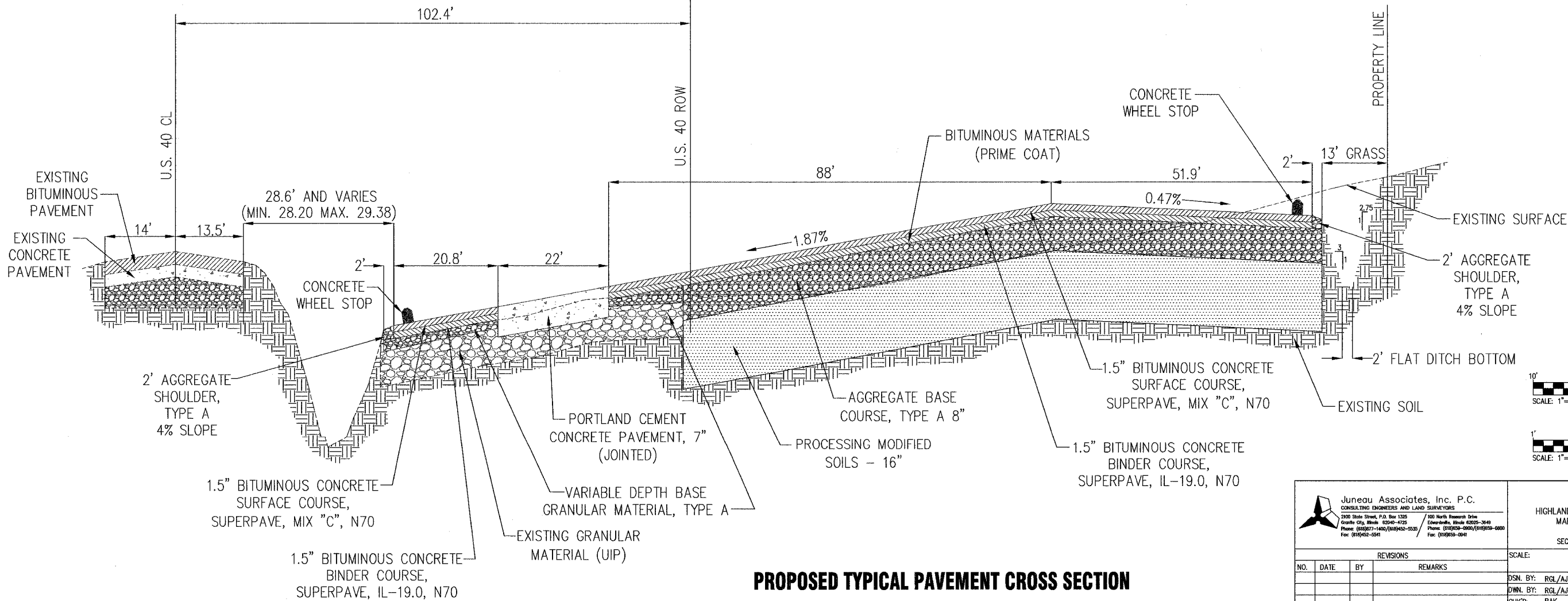
FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS CHECKED		
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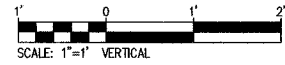



EXISTING CROSS SECTION

SEE DETAILS 8/12 AND 9/12 FOR ENTRANCE PROFILES AND CROSS-SECTIONS



PROPOSED TYPICAL PAVEMENT CROSS SECTION



 <div>Juneau Associates, Inc. P.C. CONSULTING ENGINEERS AND LAND SURVEYORS 2000 State Street, P.O. Box 1325 Granite City, Illinois 62040-4725 Phone: (618)677-1400 / (618)452-5525 Fax: (618)452-5541</div> <div>300 North Research Drive Edwardsville, Illinois 62025-3649 Phone: (618)628-5800 / (618)628-6000 Fax: (618)628-0941</div>				<div>TYPICAL SECTIONS HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION No. 00-00012-00-PK</div>				
REVISIONS				SCALE:				
NO.	DATE	BY	REMARKS	DSN. BY:	RGL/AJW	DATE:	12/20/05	SHEET
				DWN. BY:	RGL/AJW	DATE:	12/20/05	4
				CHK'D:	RAK	DATE:	12/20/05	
DWG. NO.				JOB NO.	E054401	DWG. NAME:		OF 18 SHTS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-00012-00-PK	MADISON	18	5
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

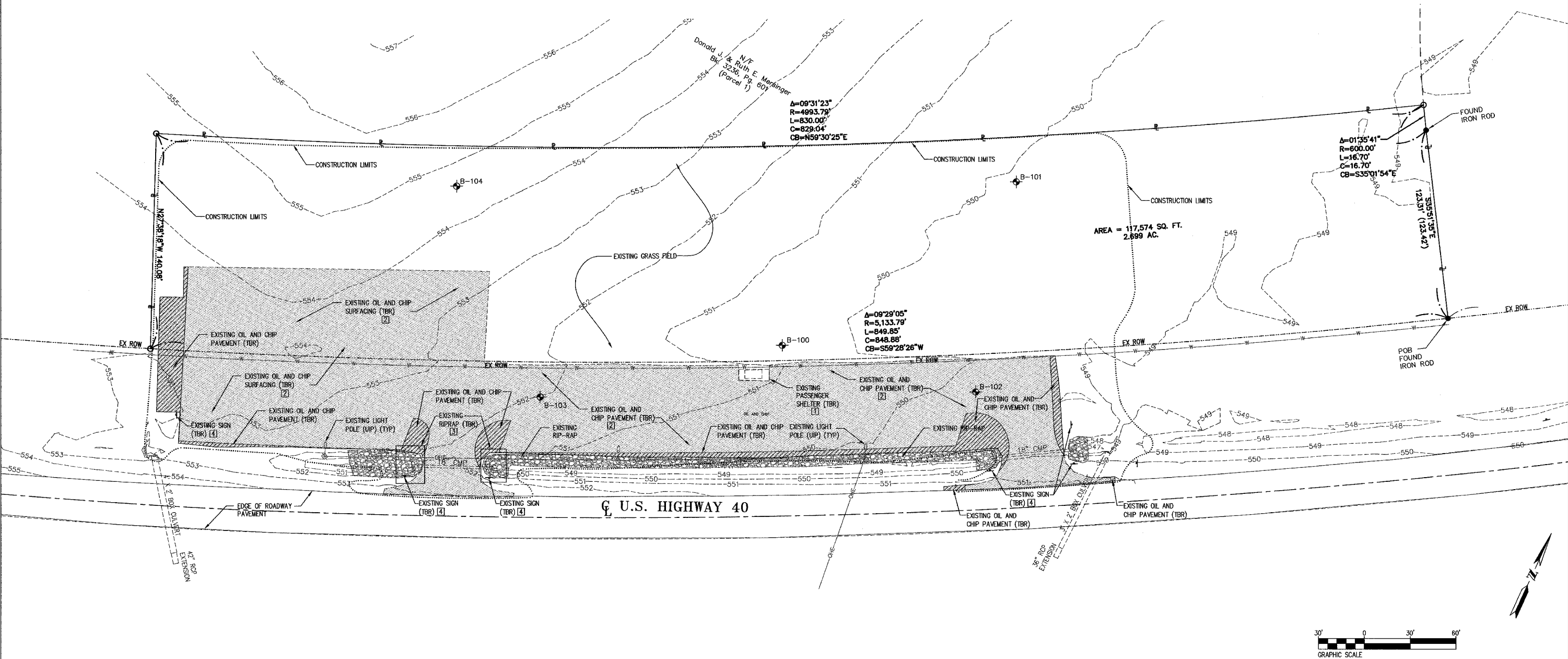
CONTRACT NO. 97270

KEY NOTES

- EXISTING PASSENGER SHELTER SHALL BE REMOVED IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED FOUNDATIONS AND ADJACENT CONCRETE. THE CONTRACTOR SHALL TAKE CARE TO NOT DAMAGE THE SHELTER AND SHALL DELIVER THE SHELTER TO THE OWNER AT 1 TRANSIT WAY, GRANITE CITY, ILLINOIS. ANY DAMAGE TO THE SHELTER SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. ANY ADDITIONAL ITEMS REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT LUMP SUM PRICE BID FOR PASSENGER SHELTER REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS ITEM OF WORK.
- CONTRACTOR SHALL REMOVE EXISTING OIL AND CHIP SURFACE WHICH IS APPROXIMATELY 2-INCHES THICK AND SHALL REMOVE EXISTING AGGREGATE BASE WHERE REQUIRED TO OBTAIN PROPOSED PAVEMENT ELEVATIONS. MILLINGS AND AGGREGATE REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCLUDED IN COST OF EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- EXISTING RIP RAP SHALL BE REMOVED AND REPLACED AS NECESSARY FOR CONSTRUCTION OF STORM SEWER EXTENSION OR PROPOSED GRADES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- EXISTING SIGNS AND ASSOCIATED CONCRETE FOUNDATIONS (IF ANY) SHALL BE REMOVED AND DISPOSED OF WITH THE EXCEPTION OF THE SIGN PANELS WHICH SHALL BE REMOVED FROM THE POSTS AND DELIVERED TO THE OWNER AT 1 TRANSIT WAY, GRANITE CITY, ILLINOIS. THE CONTRACTOR SHALL TAKE CARE TO NOT DAMAGE THE SIGN PANELS. ANY SIGN PANELS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. THE POSTS, CONCRETE FOUNDATIONS (IF ANY), AND ANY HARDWARE ASSOCIATED WITH THE SIGNS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE TOTAL COST OF THE CONTRACT.

FINAL SURVEY PLOTTED	BY	DATE
NO.		
NOTE BOOK TEMPLATE AREAS CHECKED		
NO.		

ORIGINAL SURVEY PLOTTED	BY	DATE
NO.		
NOTE BOOK TEMPLATE AREAS CHECKED		
NO.		



Juneau Associates, Inc. P.C.
CONSULTING ENGINEERS AND LAND SURVEYORS
200 State Street, P.O. Box 1325
Granite City, Illinois 62041-0132
Phone: (618) 977-1400 / (618) 452-5535
Fax: (618) 452-5541

EXISTING CONDITIONS/REMOVAL PLAN
HIGHLAND PARK-RIDE IMPROVEMENTS
MADISON COUNTY TRANSIT
HIGHLAND, ILLINOIS
SECTION No. 00-00012-00-PK

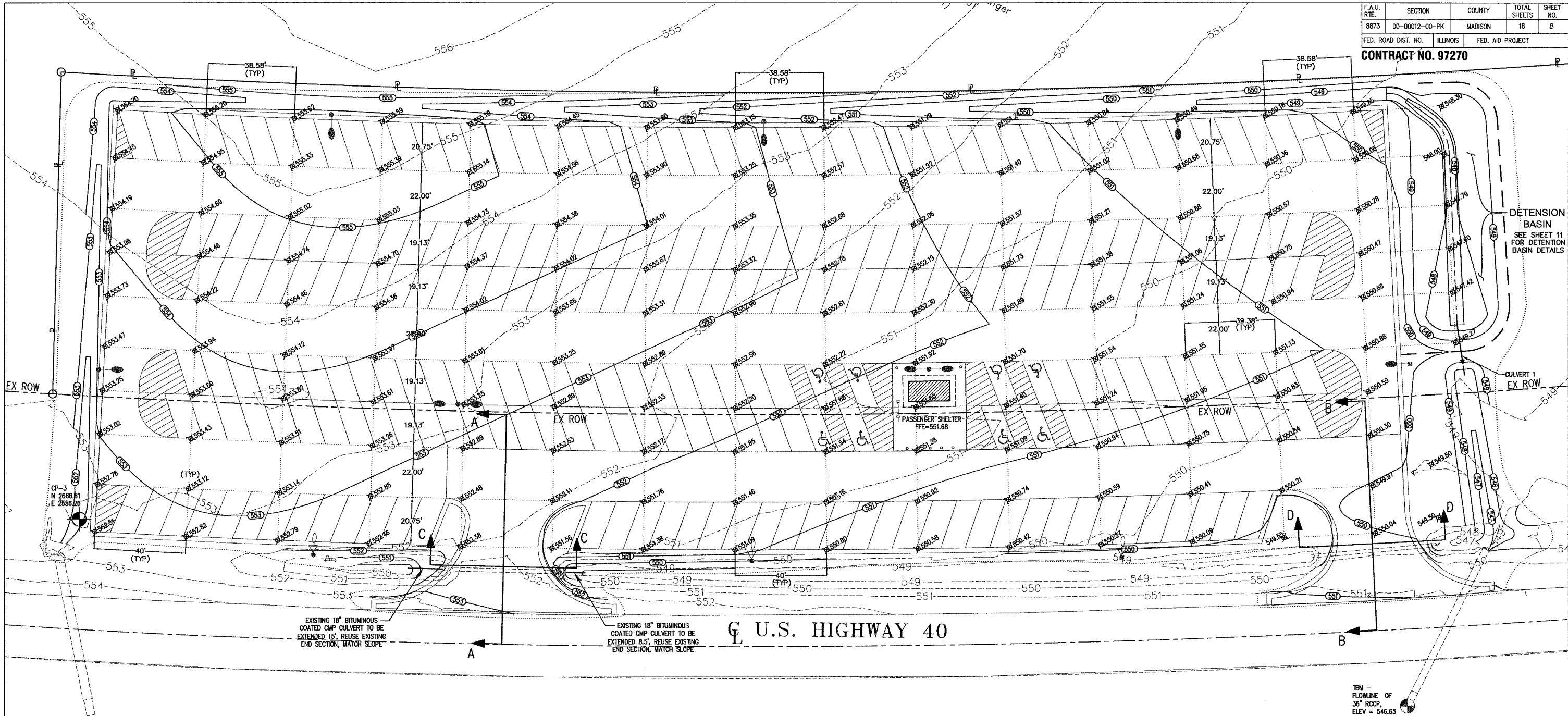
REVISIONS			
NO.	DATE	BY	REMARKS

SCALE:			
DSN. BY:	RGL/AJW	DATE:	12/20/05
DWN. BY:	RGL/AJW	DATE:	12/20/05
CHK'D:	RAK	DATE:	12/20/05
JOB NO.	E054401	DWG NAME:	

SHEET
5
OF 18 SHTS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-00012-00-PK	MADISON	18	8
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 97270



NOTE:

THE GRADING GRID INDICATED ON THE PLAN IS BASED ON THE RADIUS OF THE PARKING LOT. GRADING GRID IS 40' WIDE AT THE SOUTH LINE AND SHORTENS TO 38.58' ON THE NORTH END, WHILE THE LONGITUDINAL GRADING GRID LINES VARY AS SHOWN ON THE PLANS.

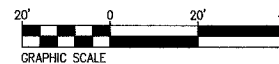
EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION CUBIC YARD	UNSUITABLE OR UNSTABLE MATERIAL CUBIC YARD	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE CUBIC YARD	EMBANKMENT CUBIC YARD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CUBIC YARD
STA. 791+50 TO 798+50	226	2432	170	1863	-1693

SHRINKAGE FACTOR = 25%

SEE DETAILS 8 AND 9 ON SHEET 12 FOR ENTRANCE PROFILES AND CROSS-SECTIONS

CULVERT 1
22LF - PIPE CULVERTS, CLASS A, TYPE 1 8"
USFL=547.25
N=3054.16
E=3040.72
DSFL=547.14
N=3036.82
E=3054.16



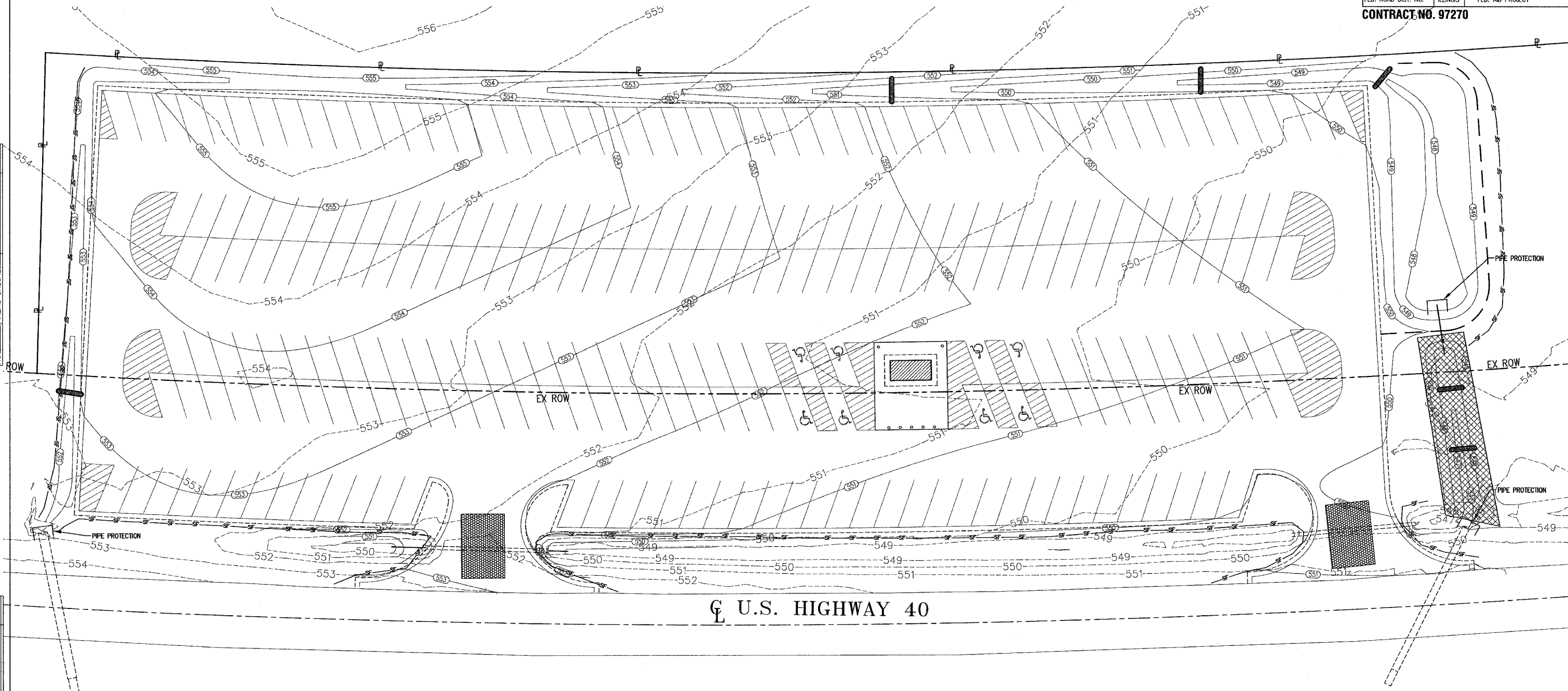
Juneau Associates, Inc. P.C.
CONSULTING ENGINEERS AND LAND SURVEYORS
2900 State Street, P.O. Box 1325
Champaign, Illinois 61820-4725
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Fax: (815) 452-5041

GRADING AND DRAINAGE PLAN
HIGHLAND PARK-RIDE IMPROVEMENTS
MADISON COUNTY TRANSIT
HIGHLAND, ILLINOIS
SECTION No. 00-00012-00-PK

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FINAL SURVEY	BY	DATE
SURVEY PLOTTED		
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEY PLOTTED		
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		



EROSION CONTROL GENERAL NOTES

- 1) THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION AND SILTATION CONTROL AS SHOWN ON THE EROSION CONTROL PLAN AND AS NEEDED TO PREVENT DAMAGE TO OFF-SITE PROPERTIES UNTIL THE PROJECT HAS BEEN CONSTRUCTED AND VEGETATION IN ALL AREAS HAS BEEN ESTABLISHED, AT WHICH TIME, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL TEMPORARY EROSION CONTROL AND REPAIR OF ALL ERODED AREAS. THE EROSION CONTROL SHALL SPECIFICALLY INCLUDE PLACEMENT OF ANCHORED AND STAKED SILT FENCING AT ALL POINTS WHERE RUNOFF LEAVES THE CONSTRUCTION SITE. THE SILT FENCING SHALL BE OF SUFFICIENT LENGTH TO TRAP ALL ERODED MATERIALS. THE EROSION CONTROL SHOWN HEREIN SHALL BE PROVIDED AS A MINIMUM MEASURE. ADDITIONAL MEASURES SHALL BE PROVIDED AS NECESSARY TO PREVENT EROSION OR AS MAY BE REQUIRED BY THE ENGINEER. ALL EROSION CONTROL PRACTICES SHALL CONFORM TO ILLINOIS ENVIRONMENTAL PROTECTION AGENCY "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION CONTROL", LATEST EDITION.
- 2) THE CONTRACTOR SHALL INSURE THAT OFF-SITE SEDIMENTATION DAMAGE WILL NOT OCCUR BY RESTRICTING THE AMOUNT OF LAND GRADED AT ANY ONE TIME TO A MINIMUM AND STOCKPILING TOPSOIL FOR RE-USE IN PREPARING THE FINAL SEED BED.
- 3) PIPE PROTECTION SHALL BE PLACED AT THE UPSTREAM END OF ALL CULVERTS WHERE INDICATED ON THE DRAWINGS TO PREVENT SILTATION.
- 4) PERIMETER EROSION BARRIER SHALL BE KEPT IN GOOD REPAIR AND MAINTAINED THROUGHOUT CONSTRUCTION. SEDIMENT SHALL BE REMOVED WHEN THE PONDING CAPACITY IS REDUCED BY ONE-HALF.

EROSION CONTROL GENERAL NOTES (CONTINUED)

- 5) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE PROPERLY MAINTAINED BY THE CONTRACTOR TO CONTROL SILTATION AT ALL TIMES DURING THE LIFE OF THE CONTRACT.
- 6) ALL SALVAGEABLE TEMPORARY EROSION CONTROL ITEMS WHEN REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- 7) COLLECTED SEDIMENT FROM PERIMETER EROSION BARRIER SHALL BE PLACED IN FILL AREAS, GRADED AND RESEED AS DIRECTED BY THE ENGINEER.
- 8) PRIOR TO ANY CONSTRUCTION, A TEMPORARY CONSTRUCTION EXIT PAD SHALL BE CONSTRUCTED AT EACH EXIT FROM THE SITE AS DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOW OF MUD OFF THE JOB SITE. THIS MAY REQUIRE A PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OFF THE JOB SITE OR INTO STORM DRAINS MUST BE REMOVED. PAYMENT FOR THIS WORK, INCLUDING PERIODIC DRESSING OF EXIT PAD AND REMOVAL, SHALL BE AT THE LUMP SUM UNIT PRICE FOR TEMPORARY CONSTRUCTION EXIT PAD.

EROSION CONTROL LEGEND

SYMBOL	MEASURE	DETAIL
	PERIMETER EROSION BARRIER	280001-02
	URETHANE FOAM/GEOTEXTILE DITCH CHECK	280001-02
	INLET PROTECTION	280001-02
	EROSION CONTROL BLANKET	
	TEMPORARY CONSTRUCTION EXIT	SEE SHEET 10

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Fax: (618)402-0041

EROSION CONTROL PLAN
HIGHLAND PARK-RIDE IMPROVEMENTS
MADISON COUNTY TRANSIT
HIGHLAND, ILLINOIS
SECTION No. 00-00012-00-PK

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DWG. NO.	JOB NO.	E054401	DWG NAME:	OF 18 SHTS	

FINAL SURVEY	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMP. DATE		
NO.	AREAS CHECKED		

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NAME & LOCATION:

MCT PARK-RIDE IMPROVEMENTS
US HIGHWAY 40
HIGHLAND, ILLINOIS

OWNER NAME & ADDRESS:

MADISON CO. TRANSIT
1 TRANSIT WAY
GRANITE CITY, ILLINOIS 62040

PROJECT DESCRIPTION:

THE SITE CONSISTS OF APROXIMATELY 0.85 ACRES OF OIL AND CHIP PAVEMENT AND APROXIMATELY 3.9 ACRES OF GRASSED FIELD. THE SITE BEING APROXIMATELY 4.75 ACRES TOTAL. THE SITE IS BORDERED BY STATE HIGHWAY 40 AND IS CURRENTLY USED BY MADISON COUNTY TRANSIT AS A PARK AND RIDE FACILITY. A PASSENGER SHELTER IS THE ONLY STRUCTURE ON SITE AND WILL BE REPLACED BY A NEW PASSENGER SHELTER.

THE PROPOSED DEVELOPMENT WILL CONSIST OF MINOR GRADING, CONSTRUCTION OF A DETENTION BASIN, ELECTRIC UTILITY CONSTRUCTION, CONSTRUCTION OF BITUMINOUS AND CONCRETE PAVEMENT, AND STRIPPING FOR THE PARKING LOT.

RUNOFF COEFFICIENT

THE EXISTING RUNOFF COEFFICIENT OF THE SITE, REPRESENTING THE PREVIOUSLY DEVELOPED CONDITIONS THAT EXISTS, IS 0.49. THE FUTURE RUNOFF COEFFICIENT , REPRESENTING THE NEW PARKING LOT AND SHELTER IS 0.62.

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF ACTIVITIES WILL BE APPROXIMATELY AS FOLLOWS:

- 1 - INSTALL EROSION CONTROL/SILT FENCES.
- 2 - DEMOLITION.
- 3 - CLEAR AND GRUB AREAS TO BE GRADED.
- 4 - ROUGH GRADE SITE.
- 5 - APPLY TEMPORARY SEEDING ON DISTURBED AREAS NOT TO BE PAVED.
- 6 - COMPLETE FINAL GRADING FOR PAVED SURFACING.
- 7 - CONSTRUCT BITUMINOUS AND PORTLAND CEMENT CONCRETE SURFACING.
- 8 - CONSTRUCT PASSENGER SHELTER.
- 9 - COMPLETE PERMANENT SEEDING/LANDSCAPING.

NAMES OF RECEIVING WATERS

THE PROPOSED DEVELOPMENT WILL DRAIN INTO A NEW DETENTION BASIN WHICH WILL THEN BE RELEASED AT THE PREDEVELOPED FLOW RATE INTO AN EXISTING CULVERT. WATER NOT ENTERING INTO THE DETENTION BASIN WILL BE RELEASED UNRESTRAINED TO STATE HIGHWAY 40. THESE WATERS ULTIMATELY DRAIN TO TRIBUTARIES OF SUGAR CREEK.

CONTROLS - EROSION AND SEDIMENT CONTROLS

STABILIZATION PRACTICES

TEMPORARY STABILIZATION:

TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THE AREA. THE TEMPORARY SEED SHALL BE RYE (GRAIN) APPLIED AT THE RATE OF 120 POUNDS PER ACRE OR IDOT CLASS 7 MIX APPLIED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SEEDBED PREPARATION IS NOT RFEQUIRED IF SOIL IS IN LOOSE CONDITION. PRIOR TO SEEDING, 10-6-4 FERTILIZER SHALL BE APPLIED TO EACH ACRE TO BE STABILIZED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 4,000 POUNDS PER ACRE OF STRAW, IF NEEDED. THE STRAW MULCH IS TO BE TACKED INTO PLACE BY A DISK WITH BLADES SET NEARLY STRAIGHT. EROSION AND SEDIMENT CONTROLS WILL BE INSTALLED PER CONSTRUCTION DRAWINGS PREPARED BY JUNEAU ASSOCIATES, INC., P.C.

PERMANENT STABILIZATION:

DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX SHALL CONSIST OF 100 LBS/ACRE ALTA FESCUE OR KY31, AND 50 LBS/ACRE PERENNIAL RYE GRASS, AND 40 LBS/ACRE OF CREEPING RED FESCUE, AND 10 LBS/ACRE OF RED TOP IN ACCORDANCE WITH IDOT CLASS 2 MIX. PRIOR TO SEEING 10-6-4 FERTILIZER SHALL BE APPLIED AT THE RATE OF 250 POUNDS PER ACRE, TO EACH ACRE TO BE STABILIZED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 4,000 POUNDS PER ACRE OF STRAW. THE STRAW MULCH IS TO BE TACKED INTO PLACE BY A DISK WITH BLADES SET NEARLY STRAIGHT.

SLOPES, DEFINED AS ALL GRADES EQUAL TO AND GREATER THAN 4 HORIZONTAL TO 1 VERTICAL, SHALL BE PERMANENTLY STABILIZED WITH IDOT CLASS 3 MIX, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR AS DEFINED ON THE APPROVED LANSCAPING PLANS.

EROSION CONTROL BLANKET:

WHERE INDICATED ON THE CONSTRUCTION DRAWINGS, EROSION CONTROL BLANKET SHALL BE PROVIDED. MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS PROVIDED ON THE CONSTRUCTION PLANS AND ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

DETENTION BASIN:

A DETENTION BASIN WILL BE CONSTRUCTED AS AN INTEGRAL PART OF THE STORMWATER DRAINAGE SYSTEM. DRAINAGE FROM THE PARKING LOT WILL BE COLLECTED IN A GRASSED DITCH AND ROUTED TO THE DETENTION BASIN. THE DETENTION BASIN WILL RESTRICT FLOW RATES THAT PREVIOUSLY EXISTED FOR THE SITE FOR THE 10-YEAR AND 100-YEAR RETURN FREQUENCIES. WATERS DETAINED IN THE DETENTION BASIN WILL OUTLET TO AN EXISTING CULVERT LOCATED UNDER US HIGHWAY 40. TO PREVENT SILTATION FROM ENTERING DOWNSTREAM AREAS, THE DETENTION BASIN WILL BE CONSTRUCTED WITH A PIPE PROTECTION PLACED AROUND THE OUTLET PIPE.

STORM WATER MANAGMENT

STORM WATER DRAINAGE FOR THE DEVELOPMENT WILL BE PROVIDED BY ALLOWING SHEET FLOW TO A GRASSED DITCH USED TO ROUTE THE SITE DRAINAGE TO THE PROPOSED DETENTION BASIN.

PROPOSED GRADING SLOPES SHALL NOT EXCEED THE SLOPES INDICATED ON THE GRADING PLAN. TYPICALLY IN MOST AREAS, THIS SHALL NOT EXCEED A 3 HORIZONTAL TO 1 VERTICAL.

UPON COMPLETION OF THE GRADING REQUIRED FOR THE BUILDING AND PARKING LOT, EROSION CONTROL BLANKET SHALL BE PROVIDED FOR THE AREAS DEFINED ON THE DRAWINGS. PERMANENT SEEDING SHALL BE APPLIED ALONG WITH THE INSTALLATION OF THE BLANKET. ALL EROSION CONTROL SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS AND IN COMPLIANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS:

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURED CONTAINER WHICH WILL MEET ALL LOCAL AND ANY STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND SITE CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE CONTAINER. THE CONTAINER WILL BE EMPTIED AS NEEDED. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL.

OFFSITE VEHICLE TRACKING:

STABILIZED ROCK CONSTRUCTION EXIT PADS SHALL BE LOCATED AT ALL POINTS OF EGRESS USED DURING CONSTRUCTION TO REDUCE VEHICLE TRACKING ONTO ADJACENT ROADWAYS. DETAILS OF THE CONSTRUCTION EXIT PAD ARE SHOWN ON THE CONSTRUCTION PLANS AND SHALL BE MAINTAINED AS NEEDED TO PREVENT TRACKING.

ALL STREETS SHALL BE KEPT CLEAR OF ANY MUD, DIRT OR ROCK TRACKED FROM THE SITE. MUD TRACKED ONTO THE ROADWAY, WILL BE RAKED OR SWEEPED OFF OF THE SURFACE.

TIMING OF CONTROLS / MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE TWO STABILIZED CONSTRUCTION ENTRANCES AND EROSION AND SEDIMENT CONTROLS WILL BE CONSTRUCTED PRIOR TO CLEANING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 14 DAYS. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH.

CERTIFICATION AND COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

THE STORM WATER POLLUTION PREVENTION PLAN REFLECTS THE REQUIRMENTS FOR STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL AS BY THE STATE OF ILLINOIS.

MAINTENANCE / INSPECTION PROCEDURES

THE FOLLOWING INSPECTION AND MAINTENANCE PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

-ALL CONTROL MEASURES WILL BE INSPECTED ONCE EACH WEEK, OR AS NEEDED, AND FOLLOWING ANY STORM EVENT OF 0.5 INCH OR GREATER DURING CONSTRUCTION. A RAIN GAUGE WILL BE AVAILABLE ON SITE TO MEASURE RAIN ACCUMULATION. A LOG OF ALL EROSION CONTROL MAINTENANCE WILL BE PROVIDED AND WILL BE AVAILABLE ON SITE FOR REVIEW BY GOVERNING AUTHORITIES.

-ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

-BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE VOLUME OF THE UNDERCUT AREA IS REDUCED BY ONE-HALF.

-SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

-TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

-A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED.

-THE SITE CONTRACTOR WILL SELECT AS MANY AS THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

-PERSONNEL SELECTED FOR INSPECTION REPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE CONTRACTOR. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING CONSTRUCTION:

-PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURED).

-UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

-WATER FROM WATERLINE FLUSHING.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

- CONCRETE
- FERTILIZERS
- PETROLEUM BASED PRODUCTS
- WOOD
- MASONRY BLOCK
- TAR

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICIES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

-MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

-ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

-THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

-THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RECURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

-THE SITE CONTRACTOR RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE AS MANY AS THREE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-00012-00-PK	MADISON	18	10
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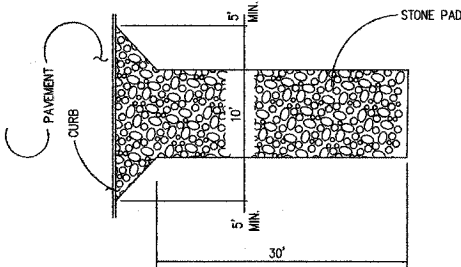
CONTRACT NO. 97270

POLLUTION PREVENTION PLAN

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Opus
LOCAL AGENCY OFFICIAL

12/20/05
DATE



NOTES:


- 1) STONE SIZE: ASTM D448 SIZE #1 (1 1/2 " TO 3 1/2 " DIA.)
- 2) PAD THICKNESS 12"
- 3) MAY REQUIRE PERIODIC TOP DRESSING WITH 2" STONE.
- 4) MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS.
- 5) LOCATE AT ALL POINTS OF EGRESS ONTO PUBLIC ROADS.

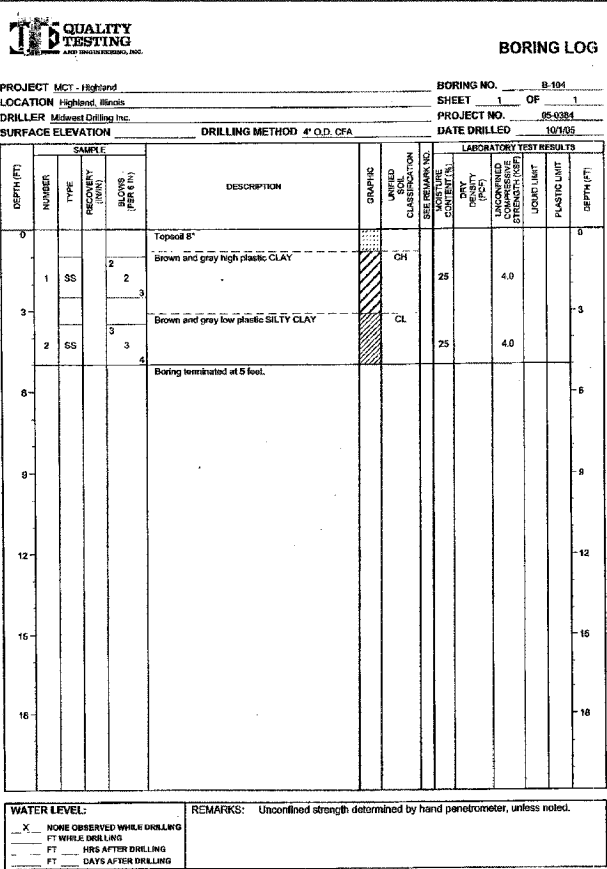
TEMPORARY CONSTRUCTION EXIT

ORIGINAL SURVEY	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMP. DATE		
NO.	AREAS CHECKED		

<p>Juneau Associates, Inc. P.C. CONSULTING ENGINEERS AND LAND SURVEYORS 2100 State Street, P.O. Box 1320 Granite City, Illinois 62040-4728 Phone: (618)877-1400/(618)452-5532 Fax: (618)452-5541</p> <p>700 North Research Drive Edwardsville, Illinois 62025-3648 Phone: (618)353-0600/(618)353-0600 Fax: (618)353-0601</p>				EROSION CONTROL NOTES HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION No. 00-00012-00-PK			
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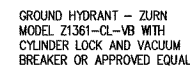
<div></div> <div><p>Juneau Associates, Inc. P.C. CONSULTING ENGINEERS AND LAND SURVEYORS 2000 State Street, P.O. Box 1325 Durand City, Idaho 82834-4725 Phone: (810)877-1142 / (810)462-5535 Fax: (810)462-5541</p><p>100 North Research Drive Edwardsville, Idaho 82035-3648 Phone: (810)565-0060 / (810)569-0000 Fax: (810)569-0941</p></div>				<p>DETENTION BASIN DETAILS AND BORING LOGS</p> <p>HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT</p> <p>HIGHLAND, ILLINOIS SECTION NO. 00-00012-00-PK</p>				
REVISIONS				SCALE:				
NO.	DATE	BY	REMARKS	DSN. BY:	RGL/AJW	DATE:	12/20/05	SHEET 11
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DWG. NO.				JOB NO. E054401 DWG NAME:				OF 18 SHTS



CONTRACT NO. 97270



N.T.S.



N.T.



H=1":15' V=1":7.5'



H=1":15' V=1":7.5


N.T.S

DWG. NO.	JOB NO. E054401	DWG NAME:	OF 18 SHTS
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CONTRACT No. 97270



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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	QUANTIFIED		

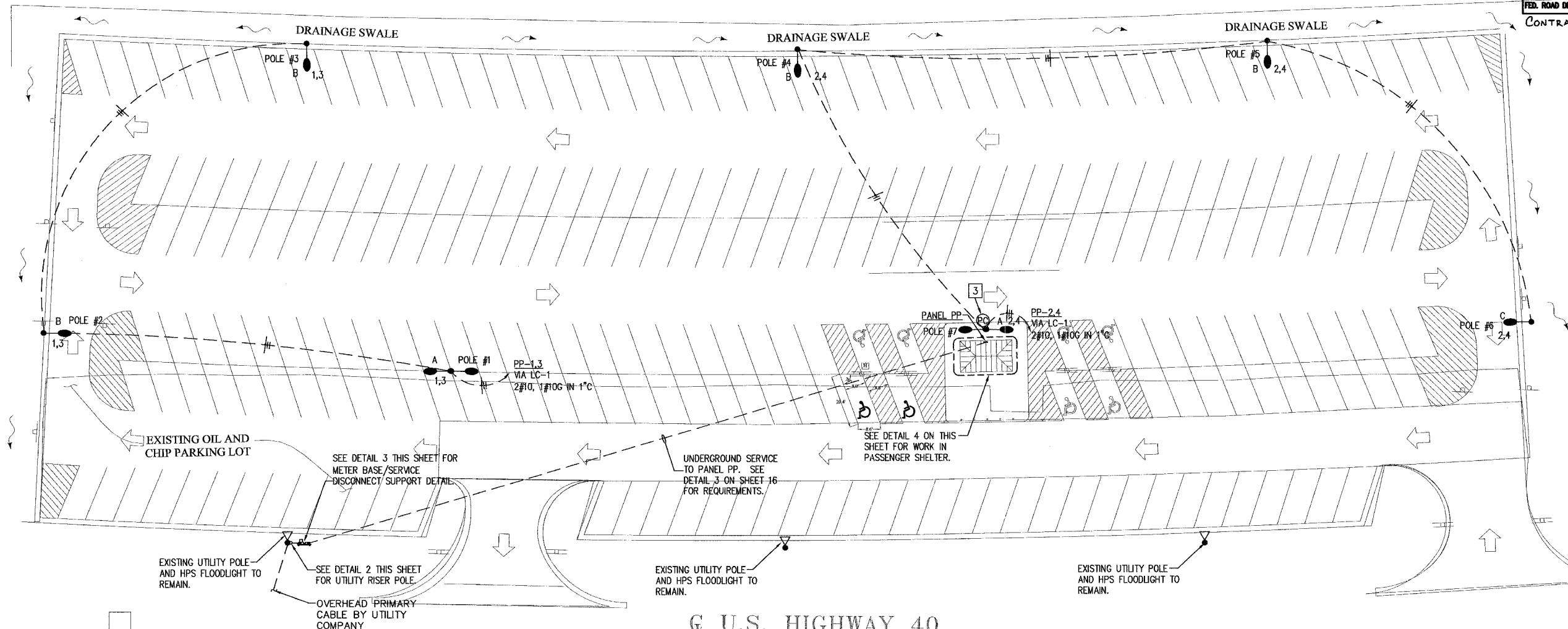
<div><p>HENDERSON <i>Associates</i></p><p>ARCHITECTS Inc.</p></div>				211 E. VANDALIA EDWARDSVILLE ILLINOIS 62025 618.654.6618 Fax 618.654.3899		PLANS, ELEVATIONS, & DETAILS HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION NO. 00-00012-00-PK				
REVISIONS						SCALE: 1/4" = 1'-0"				
NO.	DATE	BY	REMARKS			DSN. BY:	JRH	DATE:	11-4-05	SHEET 13
						DRN. BY:	RMS	DATE:	11-11-05	
						CHK'D:	RMS	DATE:	11-18-05	
DWG. NO.						JRH NO.	2443C	DWG. NAME:	2443C OF 18 SH	

FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8673	00-00012-00-PK	MADISON	18	15
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 97270

FINAL	BY	DATE
SURVEY		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS CHECKED		
NO.		

ORIGINAL	BY	DATE
SURVEY		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS CHECKED		
NO.		



U.S. HIGHWAY 40

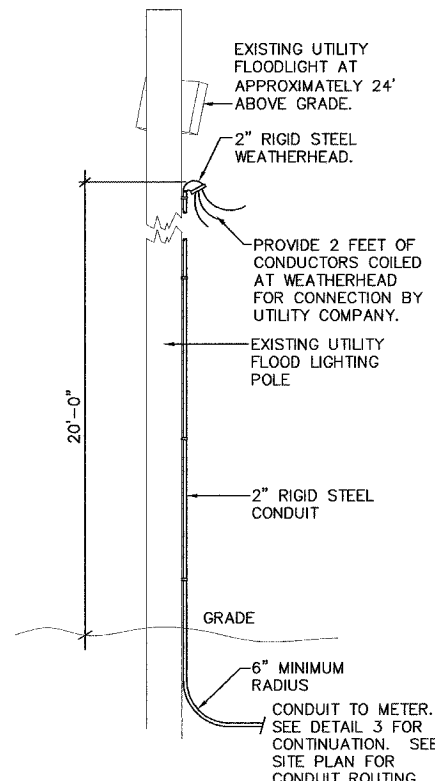
1 ELECTRICAL SITE LIGHTING PLAN
SCALE: 1" = 20'-0"

GENERAL NOTES (THIS SHEET ONLY)

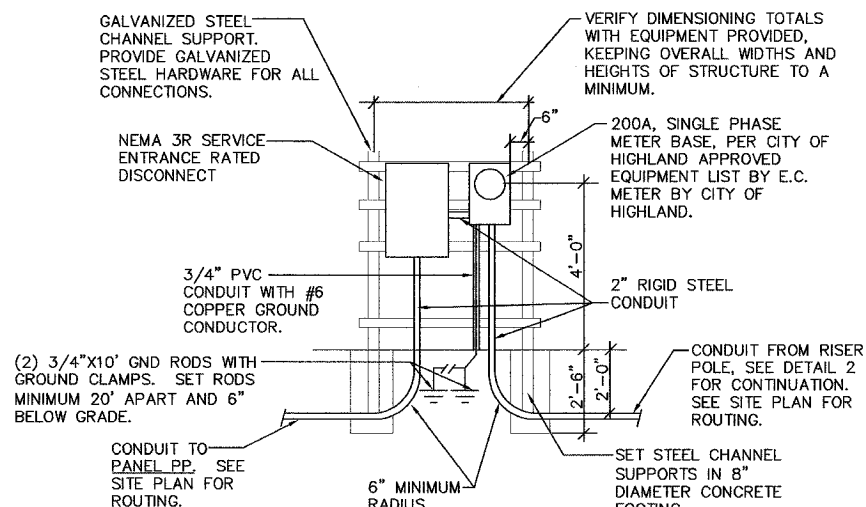
1. ALL SITE LIGHTING CONDUCTORS SHALL BE #10 AWG IN 1" PVC UNLESS OTHERWISE INDICATED. REFER TO PLAN FOR HACHURES INDICATING QUANTITY OF CONDUCTORS IN EACH CONDUIT.
2. REFER TO CIVIL SITE PLAN ON SHEET 6 FOR LOCATION OF ALL POLES.
3. SEE DETAIL 3 ON SHEET 16 FOR ELECTRICAL ONE LINE DIAGRAM AND SERVICE ENTRANCE DETAILS.

KEYED NOTES (THIS SHEET ONLY)

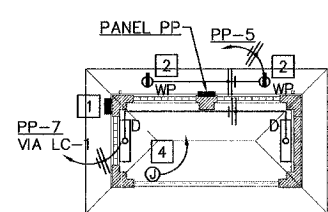
- 1 NEMA 3R, SURFACE MOUNTED ENCLOSURE WITH PADLOCKABLE HARDWARE, 18"x18"x8" OR SIZED TO ACCOMMODATE ASTRONOMICAL TIMECLOCK AND 8 POLE MECHANICALLY HELD LIGHTING CONTACTOR (LC-1). SEE LIGHTING CONTROL WIRING DIAGRAM ON SHEET 16.
- 2 RECESS MOUNT RECEPTACLE IN SOFFIT OF PASSENGER SHELTER.
- 3 MOUNT PHOTOCCELL FOR CONTROL OF SITE LIGHTING ON TOP CAP OF SITE LIGHTING POLE. SEE LIGHTING CONTROL DIAGRAM ON SHEET 16.
- 4 ROUGH-IN A 4" SQUARE BOX WITH GASKETED BLANK COVERPLATE AT 9'-0" AFF. EXTEND A 3/4" CONDUIT BACK TO PANEL PP FOR FUTURE SPACE HEATER.



2 RISER POLE DETAIL
NO SCALE



3 METER BASE SUPPORT DETAIL
NO SCALE



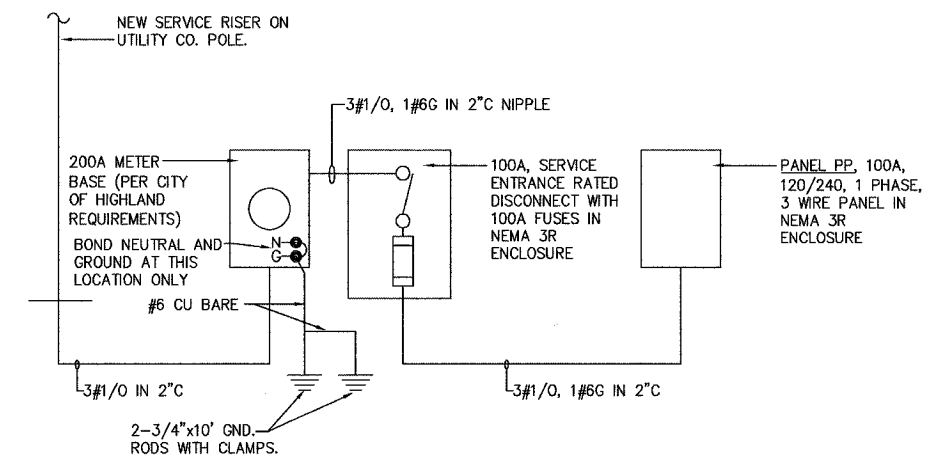
4 PASSENGER SHELTER PLAN
SCALE: 1/8" = 1'-0"

BRiC PARTNERSHIP, LLC CONSULTING ENGINEERS 100 EAST WASHINGTON, SUITE 220 BELLVILLE, IL 62220 TEL: 618.277.5200 FAX: 618.277.5227		ELECTRICAL PLANS AND DETAILS HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION No. 00-00012-00-PK	
		SCALE: AS NOTED	
NO.	DATE	BY	REVISIONS
1	11-30-05	JEN	DSH BY: JEN
2	11-30-05	JEN	DWL BY: JEN
3	11-30-05	BEC	CHKD: BEC
4	11-30-05	E1	DWG NO. 1268-04
			DWG NAME: E1
			OF 2 SHTS

FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-00012-00-PK	MADISON	18	16
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 97270

PANEL NO: PP (NEMA 3R)										22000 AIC
VA	FUNCTION	SIZE	CKT	PH	CKT	SIZE	FUNCTION	VA		
930	PARKING LOT LIGHTS	20A/2P	1	A	2	20A/2P	PARKING LOT LIGHTS	1163		
930			3	B	4			1163		
360	GFI RECEPTACLES	20A/1P	5	A	6	30A/2P	FUTURE HEATER	2500		
124	PASSENGER SHELTER LTG	20A/1P	7	B	8			2500		
--	SPARE	20A/1P	9	A	10	20A/1P	SPARE	--		
--	SPARE	20A/1P	11	B	12	20A/1P	SPARE	--		
--	SPARE	20A/1P	13	A	14	20A/1P	SPARE	--		
--	SPARE	20A/1P	15	B	16	20A/1P	SPARE	--		
--	SPARE	20A/1P	17	A	18	20A/1P	SPARE	--		
--	SPARE	20A/1P	19	B	20	20A/1P	SPARE	--		
VOLTAGES		A	B	TOTALS		VOLTS:		240V/120, 1Ø, 3W		
PHASE		4953	4717							
MAINS:		100 AMP MAIN BREAKER		POLES:		20 POSITIONS		MOUNTING: RECESSED		



SYMBOLS

- PROPOSED 400W MH SHOEBOX FIXTURE ON 35' POLE.
- PROPOSED TWIN 400W MH SHOEBOX FIXTURE ON 35' POLE.
- FLUORESCENT FIXTURE
- UNDERGROUND CONDUIT ROUTING.
- CONDUIT ROUTING CONCEALED WITHIN FINISHES.
- ⌚ GFI DUPLEX RECEPTACLE WITH WEATHERPROOF COVERPLATE
- ⌚ ELECTRIC SERVICE METER
- ⌚ ELECTRIC PANEL. SEE PLAN FOR DESCRIPTION.
- ⌚ PHOTOCELL
- ⌚ JUNCTION BOX

<div><div><div><div><div></div><div>BRiC</div></div><div><div>PARTNERSHIP, LLC</div><div>CONSULTING ENGINEERS</div></div></div><div><div>100 EAST WASHINGTON, SUITE 220</div><div>BELLEVOILLE, IL 62220</div><div>TEL: 618.277.2210</div><div>FAX 618.277.2227</div></div></div></div>				<div>ELECTRICAL SCHEDULES AND DETAILS</div> <div>HIGHLAND PARK-RIDE IMPROVEMENTS</div> <div>MADISON COUNTY TRANSIT</div> <div>HIGHLAND, ILLINOIS</div> <div>SECTION No. 00-00012-00-PK</div>			
REVISIONS				SCALE: AS NOTED			
NO.	DATE	BY		REMARKS			
DWG. NO.				DWG. NO. 1268-04		DWG NAME: E2	
						OF 2 SHEETS	

CONTRACT No. 97270



SCALE: 3/8" = 1' - 0"



SCALE: $3/8" = 1' - 0"$



SCALE: 1" = 1' - 0"



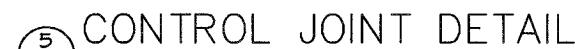
SCALE: 1" = 1' - 0"




SCALE: 1" = 1' - 0"



SCALE: 1" = 1' - 0"



SCALE: 3" = 1' - 0"



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Fax: (618)432-8541

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Effingham, Illinois 62435-3649
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Fax: (618)695-0341

STRUCTURAL DETAILS

HIGHLAND PARK-RIDE IMPROVEMENTS
MADISON COUNTY TRANSIT
HIGHLAND, ILLINOIS
SECTION No. 00-00012-00-PK

REVISIONS			
NO.	DATE	BY	REMARKS

SCALE:

DSN. BY: JLK	DATE: 12/1/05	SHEET 18
DWN. BY: EER	DATE: 12/1/05	
CHK'D: WHH	DATE: 12/1/05	
<div style="display: flex; justify-content: space-between; font-size: small;"> JOB NO. E054401 DWG NAME: DETAILS OF 18 SH </div>		