

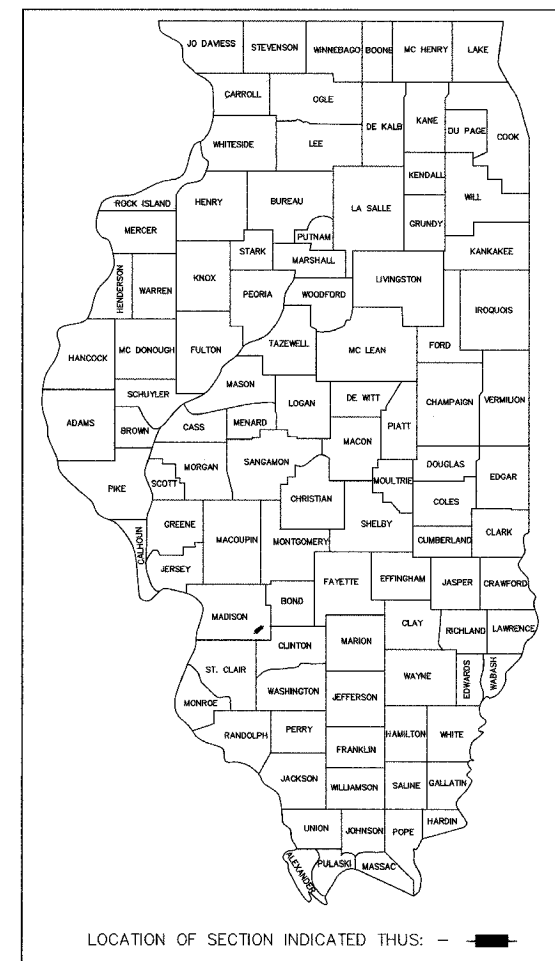
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# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

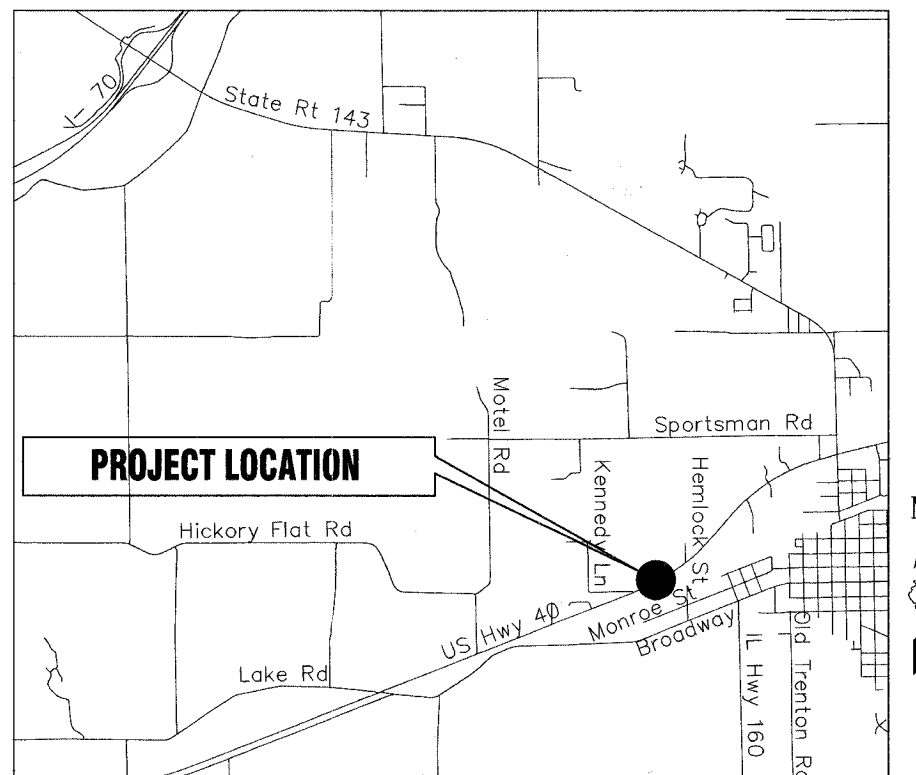
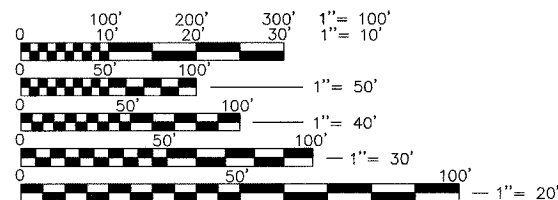
## HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT DISTRICT

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



**STANDARDS**

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



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

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

APPROVED Dec 20, 2005  
*[Signature]*  
LOCAL AGENCY OFFICIAL

PASSED 1-4, 2006  
*[Signature]*  
LOCAL ROADS AND STREETS ENGINEER

APPROVED 1-4, 2006  
*[Signature]*  
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

**CONTRACT NO. 97270**

**GENERAL NOTES**

- 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.
- WHERE SECTION OR SUBSECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- REMOVAL OF AGGREGATE, OIL AND CHIP BITUMINOUS SURFACING, AND BITUMINOUS MATERIALS SHALL BE INCLUDED IN EARTH EXCAVATION. THIS QUANTITY IS INCLUDED IN THE EARTH EXCAVATION QUANTITY AS SHOWN ON SHEET & AND SHALL BE INCLUDED IN THE COST FOR EARTH EXCAVATION.
- ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON MEAN SEA LEVEL (M.S.L.) DATUM.
- 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.
- SURVEY INFORMATION SHOWN TAKEN FROM FIELD SURVEY PROVIDED BY JUNEAU ASSOCIATES, INC., P.C., DATED JULY 2005.
- 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 AT THE LOCATIONS SHOWN ON THE PLAN. THIS WORK SHALL ALSO INCLUDE RELOCATING THE WHEEL STOPS FROM THE STOCKPILED AREA TO THE LOCATIONS SHOWN ON THE PLAN. THE CONTRACTOR SHALL NOT DAMAGE THE EXISTING WHEEL STOPS DURING REMOVAL. ANY DAMAGED WHEEL STOPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. WHEEL STOPS PREVIOUSLY DAMAGED PRIOR TO CONSTRUCTION SHALL BE DISPOSED OF OFFSITE BY THE CONTRACTOR. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT UNIT PRICE EACH FOR "WHEEL STOP REMOVAL AND REPLACEMENT".
- SOIL BORINGS SHOWN IN THE PLANS CORRESPOND TO THE GEOTECHNICAL REPORT PREPARED BY QUALITY TESTING AND ENGINEERING, INC., AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 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.
- 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.
- 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.
- 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.
- ALL PAVEMENT MARKINGS SHALL BE YELLOW EXCEPT WHERE NOTED OTHERWISE ON THE PLAN.
- 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.
- 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.
- THE FOLLOWING CONSTANTS WERE USED IN THE CALCULATION OF QUANTITIES FOR THIS PROJECT:
- NEW WHEEL STOPS SHALL BE PROVIDED AT THE CONTRACT UNIT PRICE FOR "FURNISHING AND INSTALLING CONCRETE WHEEL STOPS,"
  - 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	BEGINNING VERTICAL CURVE ELEVATION	N	NORTHING
BVCS	BEGINNING 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	RCP	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
FTE	FINISHED FLOOR ELEVATION		
FE	FIRE HYDRANT		
FL	FLOW LINE		
GM	GAS METER		
GV	GAS VALVE		

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 SHOULD 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 APPROXIMATELY 0.5 MILES FROM THE CITY OF HIGHLAND IN MADISON COUNTY, ILLINOIS.

**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	

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

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

**Juneau Associates, Inc. P.C.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2100 State Street, P.O. Box 1325 / 100 North Research Drive  
Grafton, Ohio 44044-0132 / Eureka, Ohio 43002-3648  
Phone: (618)877-1400 / (618)452-5535 / Phone: (618)859-0000 / (618)859-0800  
Fax: (618)452-2541 / Fax: (618)859-0541

**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:	SHEET
				RGL/AJW	12/20/05
				RGL/AJW	12/20/05
				RAK	12/20/05
DWG. NO.				JOB NO. E054401	DWG. NAME: OF 18 SHTS

**CONTRACT NO. 97270**

## SUMMARY OF QUANTITIES

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

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


CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	589
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2432
20400800	FURNISHED EXCAVATION	CU YD	1045
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
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	25
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

Y026

\* SPECIALTY ITEMS

 <b>Juneau Associates, Inc. P.C.</b> CONSULTING ENGINEERS AND LAND SURVEYORS 200 State Street, P.O. Box 1325 Omaha, NE 68102-4725 Phone: (402) 442-4400 / (402) 442-5525 Fax: (402) 442-5511		<b>SUMMARY OF QUANTITIES</b> 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		SHEET 3	
DWN. BY: RGL/AJW DATE: 12/20/05		CHK'D: RAK DATE: 12/20/05	
DWG. NO.		JOB NO. E054401 DWG. NAME:	
		OF 18 SHTS	



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

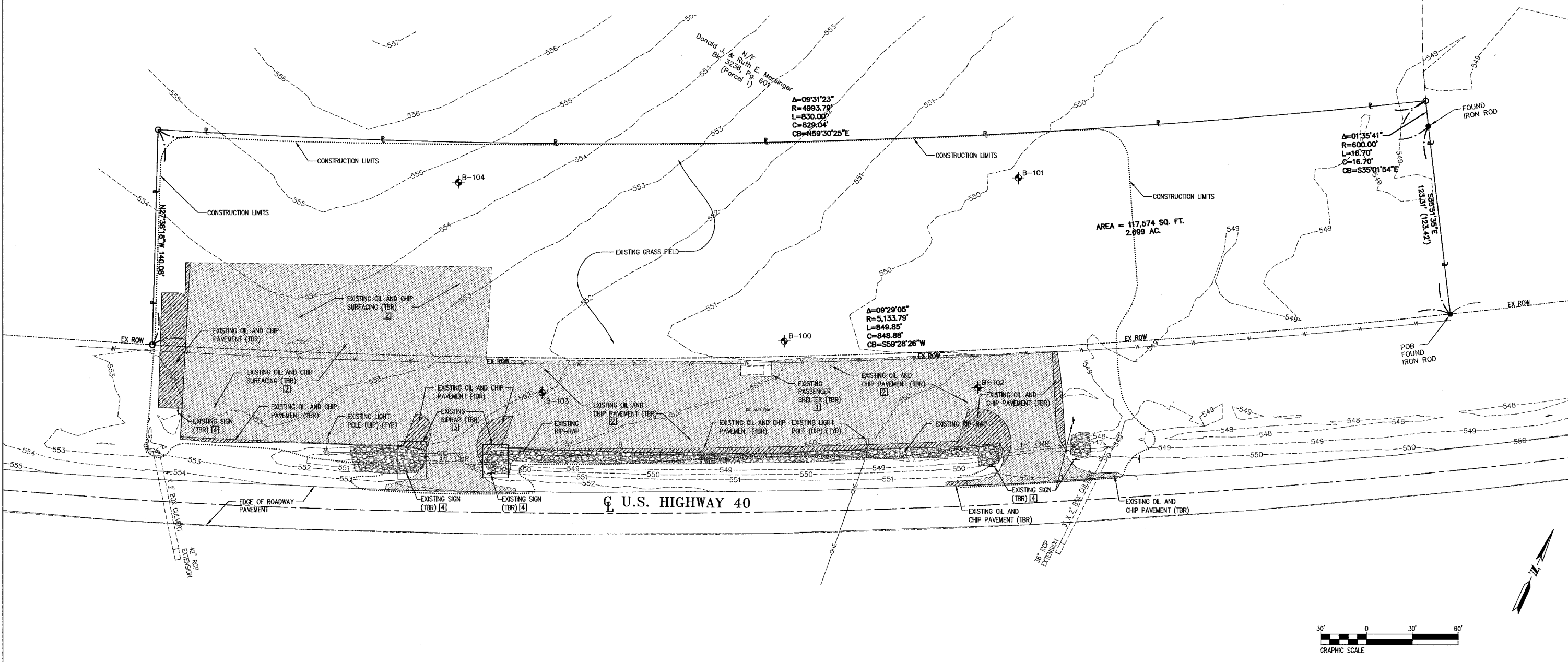
**CONTRACT NO. 97270**

**KEY NOTES**

- 1] 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.
- 2] CONTRACTOR SHALL REMOVE EXISTING OIL AND CHIP SURFACE WHICH IS APPROXIMATELY 2-INCHES THICK, AND EXISTING AGGREGATE BASE SHALL BE REMOVED AND INCLUDED IN THE EARTH EXCAVATION WHERE REQUIRED TO OBTAIN PROPOSED PAVEMENT ELEVATIONS. THIS QUANTITY OF MATERIAL IS INCLUDED IN THE EARTH EXCAVATION AS SHOWN IN THE EARTHWORK SCHEDULE SHOWN ON SHEET 8 AND SHALL BE INCLUDED IN THE COST FOR "EARTH EXCAVATION".
- 3] 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.
- 4] 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	DATE
NOTE BOOK TEMPLATE AREAS CHECKED	BY
NO.	

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



<p>Juneau Associates, Inc. P.C. CONSULTING ENGINEERS AND LAND SURVEYORS 710 State Street, P.O. Box 1335 Granite City, Illinois 62040-4725 Phone: (618)877-1400/(618)432-5035 Fax: (618)432-3541</p>		<p>EXISTING CONDITIONS/REMOVAL PLAN 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> </tbody> </table>		NO.	DATE	BY	REMARKS					<p>SCALE:</p> <table border="1"> <tr> <td>DSN. BY: RGL/AJW</td> <td>DATE: 12/20/05</td> <td>SHEET</td> </tr> <tr> <td>DWN. BY: RGL/AJW</td> <td>DATE: 12/20/05</td> <td>5</td> </tr> <tr> <td>CHK'D: RAK</td> <td>DATE: 12/20/05</td> <td></td> </tr> </table>		DSN. BY: RGL/AJW	DATE: 12/20/05	SHEET	DWN. BY: RGL/AJW	DATE: 12/20/05	5	CHK'D: RAK	DATE: 12/20/05	
NO.	DATE	BY	REMARKS																	
DSN. BY: RGL/AJW	DATE: 12/20/05	SHEET																		
DWN. BY: RGL/AJW	DATE: 12/20/05	5																		
CHK'D: RAK	DATE: 12/20/05																			
<p>DWG. NO.</p>		<p>JOB NO. E054401 DWG NAME: OF 18 SHTS</p>																		

F.A.U. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-00012-00-PK	MADISON	18	6
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

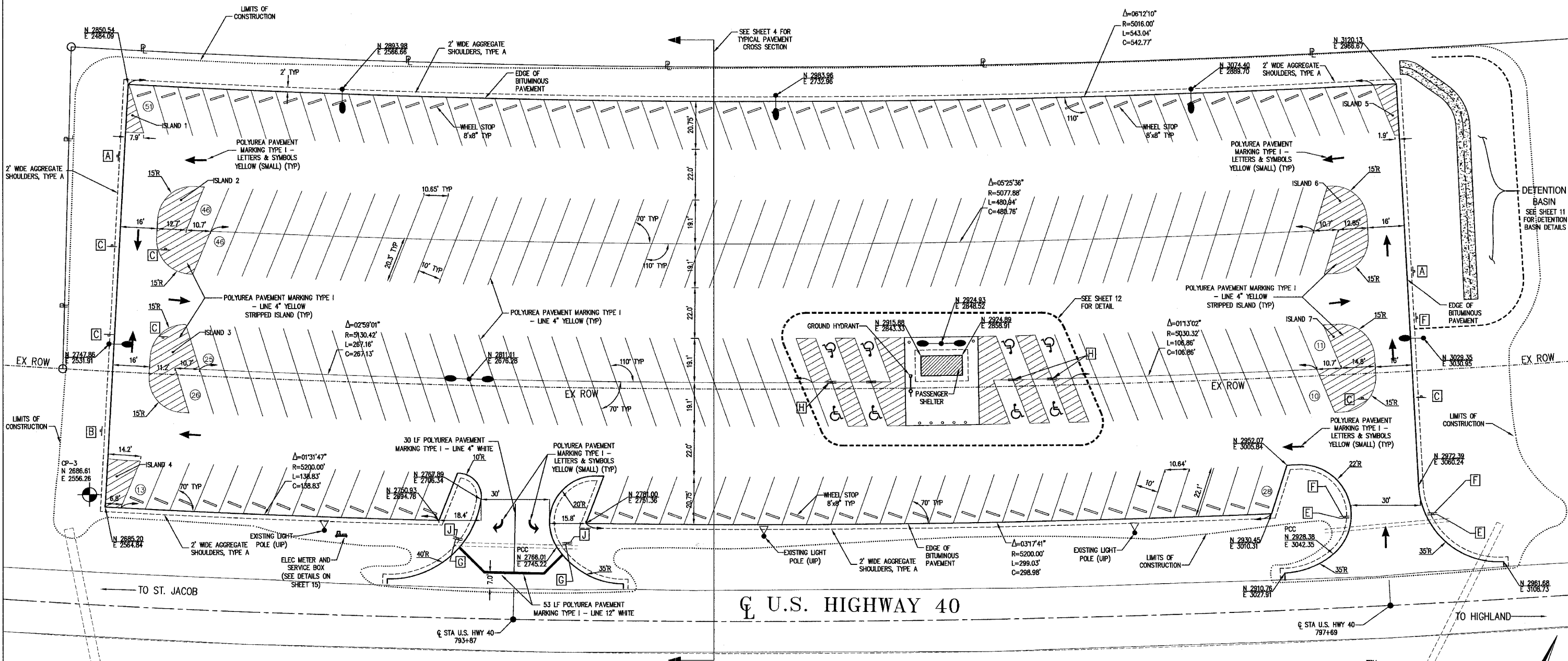
**CONTRACT NO. 97270**

POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4" YELLOW, ISLAND STRIPPING SCHEDULE	
ISLAND NUMBER	STRIPPING LENGTH (FT)
1	85
2	352
3	325
4	152
5	111
6	351
7	388

PARKING SUMMARY	
PROPOSED TYPICAL PARKING SPACES	256
PROPOSED ACCESSIBLE PARKING SPACES	8
TOTAL NUMBER OF NEW PARKING SPACES	264

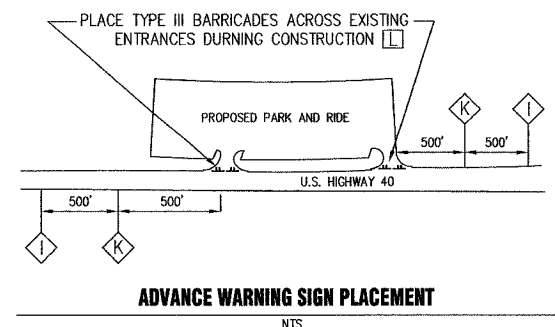
DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	



**SIGNAGE LEGEND**

<b>A</b>	<b>B</b>	<b>C</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>
R6-2L (18"x24")	R6-2R (18"x24")	R6-2M (18"x24")	D-13 (18"x18")	D-17 (18"x18")	D-19 (18"x18")	USDOT STANDARD R7-8 SIGN (12"x18")	W20-1(0)-48	R1-1 (30"x30")	W21-1A(0)-48	TYPE III BARRICADES WITH STANDARD SIGN R11-2 MOUNTED AS SHOWN. PLACED AT THE LOCATIONS AS SHOWN.
										SIGN SHALL BE USED ONLY WHEN WORKERS ARE PRESENT
						R7-101 FINE SIGN (12"x6")				
										(MOUNT ON BARRICADE)



**Juneau Associates, Inc. P.C.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
7100 State Street, P.O. Box 1255  
Grain Valley, MO 64040-4725  
Phone: (816)877-1400/(816)452-2535  
Fax: (816)452-5544

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

REVISIONS			
NO.	DATE	BY	REMARKS

DSN. BY:	RGL/AJW	DATE:	12/20/05	SHEET	6
DWN. BY:	RGL/AJW	DATE:	12/20/05		
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.
B873	00-00012-00-PK	MADISON	18	7
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

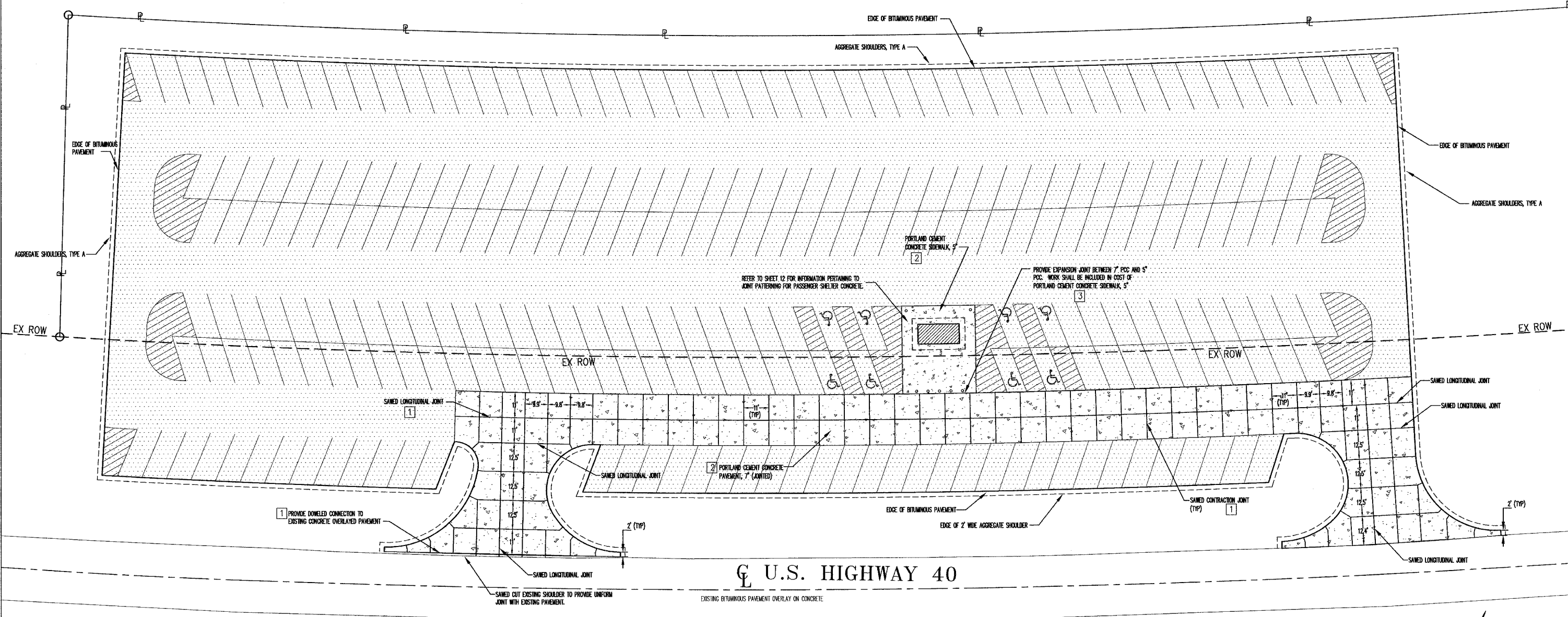
**CONTRACT NO. 97270**

PAVING LEGEND

	BITUMINOUS CONCRETE PAVEMENT
	PORTLAND CEMENT CONCRETE PAVEMENT, 7'
	PORTLAND CEMENT CONCRETE SIDEWALK, 5'

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

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



**U.S. HIGHWAY 40**

**HIGHLAND PARK-RIDE IMPROVEMENTS**

STRUCTURAL DESIGN  
 TRAFFIC DESIGN YEAR: 2026  
 DESIGN YEAR ADT: 715

ROAD/STREET CLASSIFICATION: CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC  
 IN DESIGN LANE PV = 94% SU = 6% MU 0%

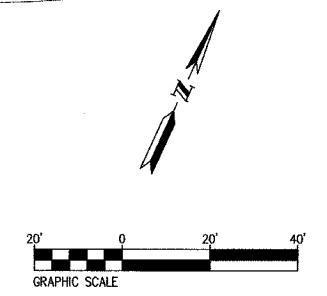
TRAFFIC FACTOR = 0.51  
 MINIMUM SOIL SUPPORT BR = 3.0 (ASSUMED)

PAVEMENT STRUCTURE MATERIALS:  
 ROAD PAVEMENT - 7" PCC PAVEMENT  
 EXISTING AGGREGATE BASE COURSE

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

HIGHLAND PARK-RIDE IMPROVEMENTS		
MIXTURE USE	SURFACE	BINDER
AC/PC	PG 64-22	PG 64-22
RAP % (MAX)	10	15
DESIGN AIR Voids	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)		IL 19.0
FRICTION AGC	MIXTURE C	MIXTURE B

- GENERAL NOTES**
- 1 CONCRETE JOINTING SHALL BE PROVIDED IN ACCORDANCE WITH IDOT STANDARDS 420001 AND BLR 10 AND SHALL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT, 7".
  - 2 ALL CONCRETE PAVEMENT, INCLUDING 5" WALK ADJACENT TO PASSENGER SHELTER SHALL BE PROVIDED WITH CONCRETE CURING COMPOUND AND SEALER. CONCRETE CURING COMPOUND SHALL BE "L & M CURE" OR APPROVED EQUAL. NON-RESIDUAL CONCRETE CURING COMPOUND APPLIED AT RATE OF 200 SQ.FT./GALLON. CONCRETE WATER REPELLENT SEALER SHALL BE "AQUAPEL" AS MANUFACTURED BY L & M CONSTRUCTION CHEMICALS, INC. (PHONE 402/453-6600), OR APPROVED EQUAL. WATER REPELLENT SEALER SHALL BE APPLIED TO ALL CONCRETE WALKS AND CONCRETE PAVEMENT AT A RATE OF 150 SQ.FT./GAL. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT UNIT PRICE PER GALLON FOR CONCRETE SURFACE CURING AND SEALING.
  - 3 ALL EXPANSION JOINTS SHALL BE SEALED WITH SONNEBORN SL-1 OR APPROVED EQUAL. COLOR TO MATCH CONCRETE AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE COST FOR PORTLAND CEMENT CONCRETE PAVEMENT, 5".

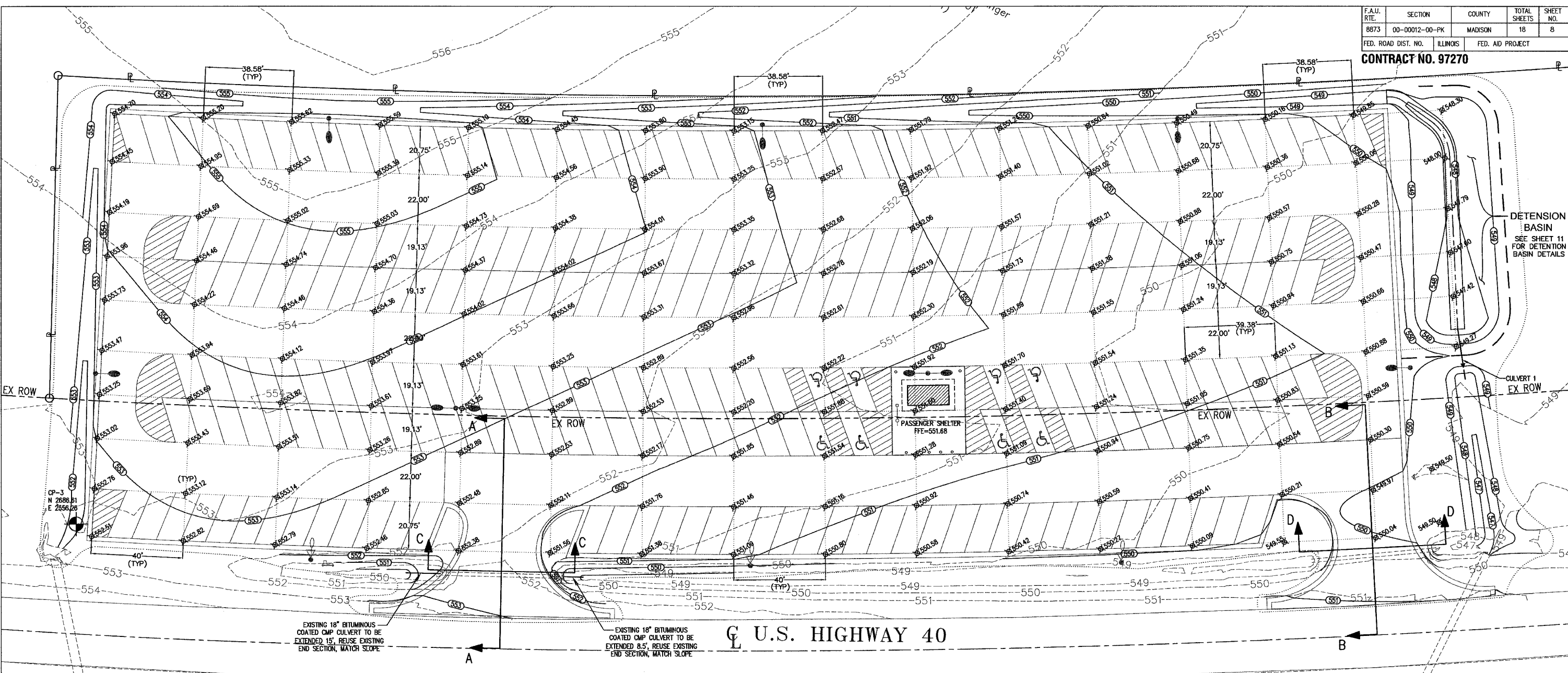


<p>Juneau Associates, Inc. P.C.        CONSULTING ENGINEERS AND LAND SURVEYORS        2100 State Street, P.O. Box 1325        Oakdale, Illinois 62450-1325        Phone: (618)977-1400/(618)452-5505        Fax: (618)452-5541</p>		<p>PAVING PLAN        HIGHLAND PARK-RIDE IMPROVEMENTS        MADISON COUNTY 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> </tbody> </table>		NO.	DATE	BY	REMARKS					<p>SCALE:</p> <table border="1"> <tr> <td>DSN. BY:</td> <td>RGL/AJW</td> <td>DATE:</td> <td>12/20/05</td> <td>SHEET</td> </tr> <tr> <td>DWN. BY:</td> <td>RGL/AJW</td> <td>DATE:</td> <td>12/20/05</td> <td>7</td> </tr> <tr> <td>CHK'D:</td> <td>RAK</td> <td>DATE:</td> <td>12/20/05</td> <td></td> </tr> <tr> <td>DWG. NO.</td> <td>E054401</td> <td>DWG. NAME:</td> <td></td> <td>OF 18 SHTS</td> </tr> </table>		DSN. BY:	RGL/AJW	DATE:	12/20/05	SHEET	DWN. BY:	RGL/AJW	DATE:	12/20/05	7	CHK'D:	RAK	DATE:	12/20/05		DWG. NO.	E054401	DWG. NAME:		OF 18 SHTS
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CHK'D:	RAK	DATE:	12/20/05																												
DWG. NO.	E054401	DWG. NAME:		OF 18 SHTS																											

CONTRACT NO. 97270

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

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



**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.

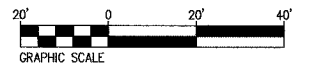
SEE DETAILS 8 AND 9 ON SHEET 12 FOR ENTRANCE PROFILES AND CROSS-SECTIONS

**EARTHWORK SCHEDULE**

LOCATION	EARTH EXCAVATION	UNSUITABLE OR UNSTABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STA. 791+50 TO 798+50	529	2432	442	1863	-1045

SHRINKAGE FACTOR = 25%

**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



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 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2100 State Street, P.O. Box 1333  
 Granite City, Illinois 62040-4725  
 Phone: (618)977-1400 / (618)452-5535  
 Fax: (618)930-0941

**GRADING AND DRAINAGE PLAN**  
 HIGHLAND PARK-RIDE IMPROVEMENTS  
 MADISON COUNTY TRANSIT  
 HIGHLAND, ILLINOIS  
 SECTION No. 00-0012-00-PK

REVISIONS				SCALE:	
NO.	DATE	BY	REMARKS	DSN. BY:	DATE:
				RGL/AJW	12/20/05
				DWN. BY:	DATE:
				RGL/AJW	12/20/05
				CHK'D:	DATE:
				RAK	12/20/05
DWC. NO.				JOB NO.	ED54401
				DWG NAME:	









**BORING LOG**

PROJECT MCT - Highland  
 LOCATION Highland, Illinois  
 DRILLER Midwest Drilling Inc.  
 SURFACE ELEVATION 549.75  
 DRILLING METHOD 4" O.D. CFA  
 DATE DRILLED 12/1/05

BORING NO. B-100  
 SHEET 1 OF 1  
 PROJECT NO. 05-0384  
 DATE DRILLED 12/1/05

DEPTH (FT)	SAMPLE		DESCRIPTION	GRAPHIC UNIFIED SOIL CLASSIFICATION	LABORATORY TEST RESULTS					DEPTH (FT)	
	NUMBER	TYPE			WATER CONTENT (%)	FLUIDITY (PPH)	UNSATURATED SWELLING INDEX (SI)	UNSATURATED SHRINKAGE INDEX (SI)	UNSATURATED SHRINKAGE LIMIT (SL)		LIQUID LIMIT (LL)
0			Oil & Chip 2" FILL - Gray low plastic SILTY CLAY	FILL							0
1	SS	5			17			6.0			3
3			Brown high plastic CLAY	CH							3
2	SS	2			29			4.0			6
Boring terminated at 5 feet.											

WATER LEVEL: NONE OBSERVED WHILE DRILLING  
 FT. WHILE DRILLING  
 FT. HRS AFTER DRILLING  
 FT. DAYS AFTER DRILLING

REMARKS: Unconfined strength determined by hand penetrometer, unless noted.



**BORING LOG**

PROJECT MCT - Highland  
 LOCATION Highland, Illinois  
 DRILLER Midwest Drilling Inc.  
 SURFACE ELEVATION 549.75  
 DRILLING METHOD 4" O.D. CFA  
 DATE DRILLED 12/1/05

BORING NO. B-101  
 SHEET 1 OF 1  
 PROJECT NO. 05-0384  
 DATE DRILLED 12/1/05

DEPTH (FT)	SAMPLE		DESCRIPTION	GRAPHIC UNIFIED SOIL CLASSIFICATION	LABORATORY TEST RESULTS					DEPTH (FT)	
	NUMBER	TYPE			WATER CONTENT (%)	FLUIDITY (PPH)	UNSATURATED SWELLING INDEX (SI)	UNSATURATED SHRINKAGE INDEX (SI)	UNSATURATED SHRINKAGE LIMIT (SL)		LIQUID LIMIT (LL)
0			Topsoil 12"								0
1	SS	1		CH	32			4.25			3
3			Brown and gray high plastic CLAY	CH							3
2	SS	2		CL	25			3.5			6
Boring terminated at 5 feet.											

WATER LEVEL: NONE OBSERVED WHILE DRILLING  
 FT. WHILE DRILLING  
 FT. HRS AFTER DRILLING  
 FT. DAYS AFTER DRILLING

REMARKS: Unconfined strength determined by hand penetrometer, unless noted.



**BORING LOG**

PROJECT MCT - Highland  
 LOCATION Highland, Illinois  
 DRILLER Midwest Drilling Inc.  
 SURFACE ELEVATION 549.75  
 DRILLING METHOD 4" O.D. CFA  
 DATE DRILLED 12/1/05

BORING NO. B-102  
 SHEET 1 OF 1  
 PROJECT NO. 05-0384  
 DATE DRILLED 12/1/05

DEPTH (FT)	SAMPLE		DESCRIPTION	GRAPHIC UNIFIED SOIL CLASSIFICATION	LABORATORY TEST RESULTS					DEPTH (FT)	
	NUMBER	TYPE			WATER CONTENT (%)	FLUIDITY (PPH)	UNSATURATED SWELLING INDEX (SI)	UNSATURATED SHRINKAGE INDEX (SI)	UNSATURATED SHRINKAGE LIMIT (SL)		LIQUID LIMIT (LL)
0			Topsoil 4"								0
1	SS	2		CH	26			4.0			3
3			Brown and gray high plastic CLAY	CH							3
2	SS	3		CL	21			5.0			6
Boring terminated at 5 feet.											

WATER LEVEL: NONE OBSERVED WHILE DRILLING  
 FT. WHILE DRILLING  
 FT. HRS AFTER DRILLING  
 FT. DAYS AFTER DRILLING

REMARKS: Unconfined strength determined by hand penetrometer, unless noted.



**BORING LOG**

PROJECT MCT - Highland  
 LOCATION Highland, Illinois  
 DRILLER Midwest Drilling Inc.  
 SURFACE ELEVATION 549.75  
 DRILLING METHOD 4" O.D. CFA  
 DATE DRILLED 12/1/05

BORING NO. B-103  
 SHEET 1 OF 1  
 PROJECT NO. 05-0384  
 DATE DRILLED 12/1/05

DEPTH (FT)	SAMPLE		DESCRIPTION	GRAPHIC UNIFIED SOIL CLASSIFICATION	LABORATORY TEST RESULTS					DEPTH (FT)	
	NUMBER	TYPE			WATER CONTENT (%)	FLUIDITY (PPH)	UNSATURATED SWELLING INDEX (SI)	UNSATURATED SHRINKAGE INDEX (SI)	UNSATURATED SHRINKAGE LIMIT (SL)		LIQUID LIMIT (LL)
0			Oil & Chip 2" FILL - Crushed Rock 10"	FILL							0
1	SS	2		CH	35			4.0			3
3			Brown and gray high plastic CLAY	CH							3
2	ST	19			20	98.7		4.3	60	26	6
Boring terminated at 5 feet.											

WATER LEVEL: NONE OBSERVED WHILE DRILLING  
 FT. WHILE DRILLING  
 FT. HRS AFTER DRILLING  
 FT. DAYS AFTER DRILLING

REMARKS: Unconfined strength determined by hand penetrometer, unless noted.  
 1) Unconfined compressive strength test performed.



**BORING LOG**

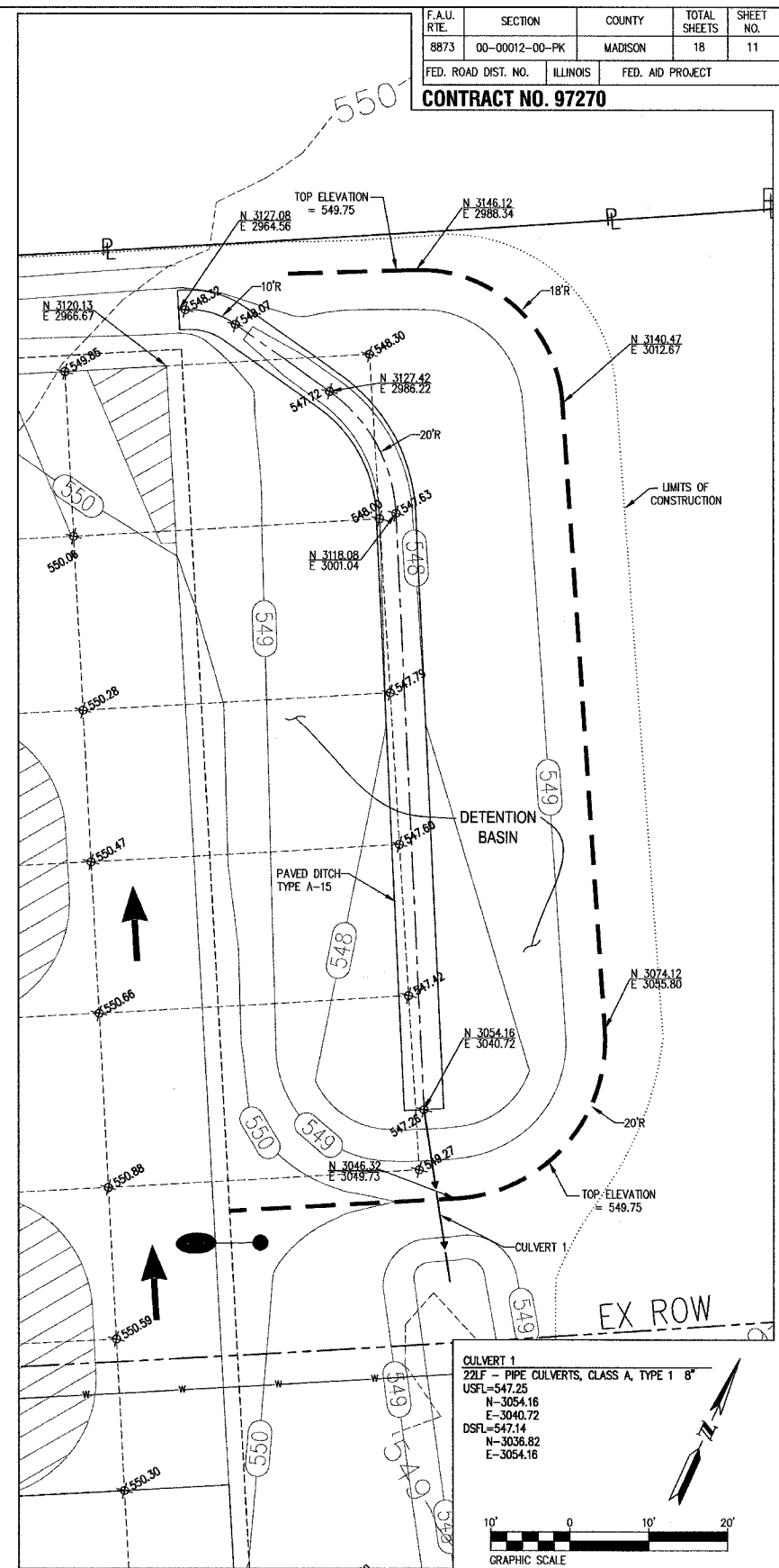
PROJECT MCT - Highland  
 LOCATION Highland, Illinois  
 DRILLER Midwest Drilling Inc.  
 SURFACE ELEVATION 549.75  
 DRILLING METHOD 4" O.D. CFA  
 DATE DRILLED 12/1/05

BORING NO. B-104  
 SHEET 1 OF 1  
 PROJECT NO. 05-0384  
 DATE DRILLED 12/1/05

DEPTH (FT)	SAMPLE		DESCRIPTION	GRAPHIC UNIFIED SOIL CLASSIFICATION	LABORATORY TEST RESULTS					DEPTH (FT)	
	NUMBER	TYPE			WATER CONTENT (%)	FLUIDITY (PPH)	UNSATURATED SWELLING INDEX (SI)	UNSATURATED SHRINKAGE INDEX (SI)	UNSATURATED SHRINKAGE LIMIT (SL)		LIQUID LIMIT (LL)
0			Topsoil 6"								0
1	SS	2		CH	25			4.0			3
3			Brown and gray high plastic CLAY	CH							3
2	SS	3		CL	25			4.0			6
Boring terminated at 5 feet.											

WATER LEVEL: NONE OBSERVED WHILE DRILLING  
 FT. WHILE DRILLING  
 FT. HRS AFTER DRILLING  
 FT. DAYS AFTER DRILLING

REMARKS: Unconfined strength determined by hand penetrometer, unless noted.

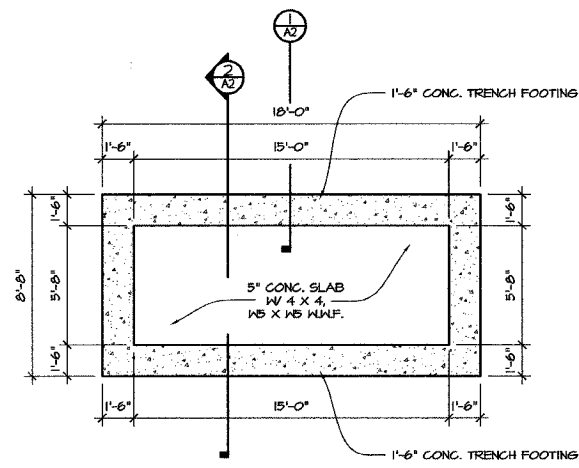


<p>Juneau Associates, Inc. P.C.          CONSULTING ENGINEERS AND LAND SURVEYORS          2100 State Street, P.O. Box 1325          Granite City, Illinois 62040-1325          Phone: (618)877-1400 / (618)452-5535          Fax: (618)452-0541</p>		<p>DETENTION BASIN DETAILS AND BORING LOGS          HIGHLAND PARK-RIDE IMPROVEMENTS          MADISON COUNTY TRANSIT          HIGHLAND, ILLINOIS          SECTION No. 00-00012-00-PK</p>																					
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DSN. BY: RGL/AJW	DATE: 12/20/05	SHEET																					
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CHK'D: RAK	DATE: 12/20/05																						
JOB NO. E054401	DWG NAME:	OF 18 SHTS																					

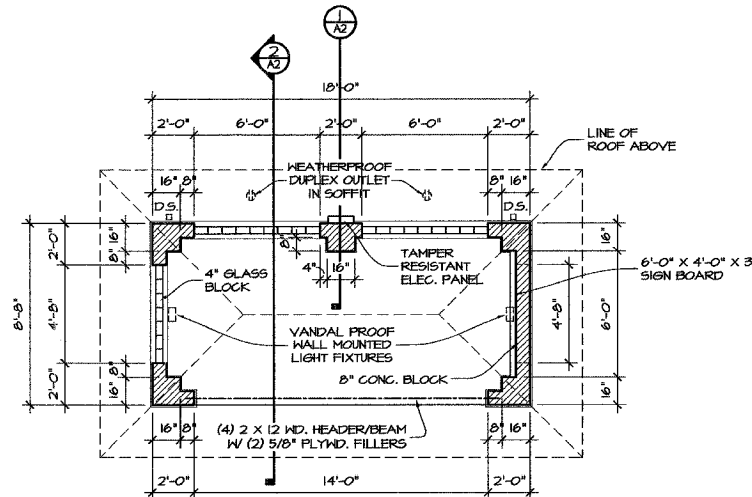


F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-00012-00-PK	MADISON	18	13
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

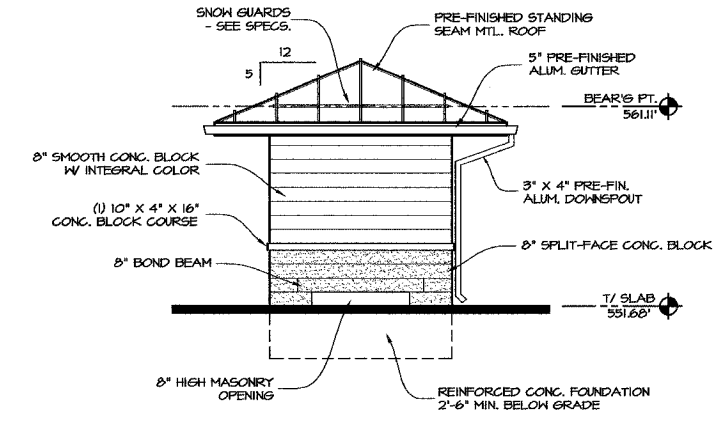
CONTRACT No. 97270



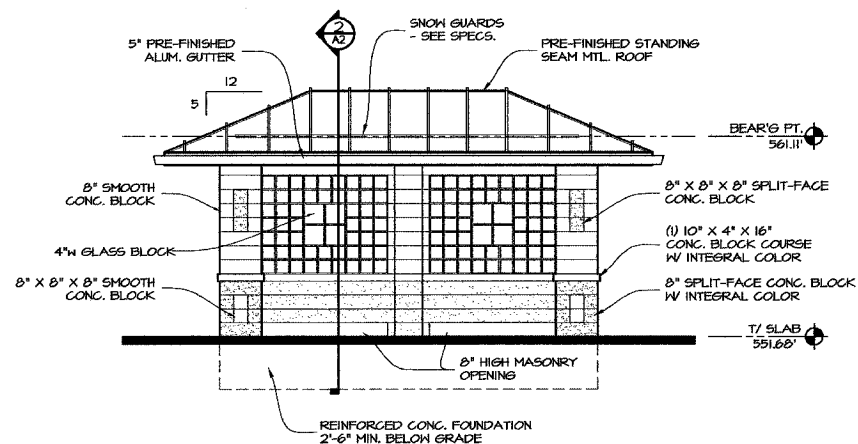
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SCALE: 1/4" = 1'-0"



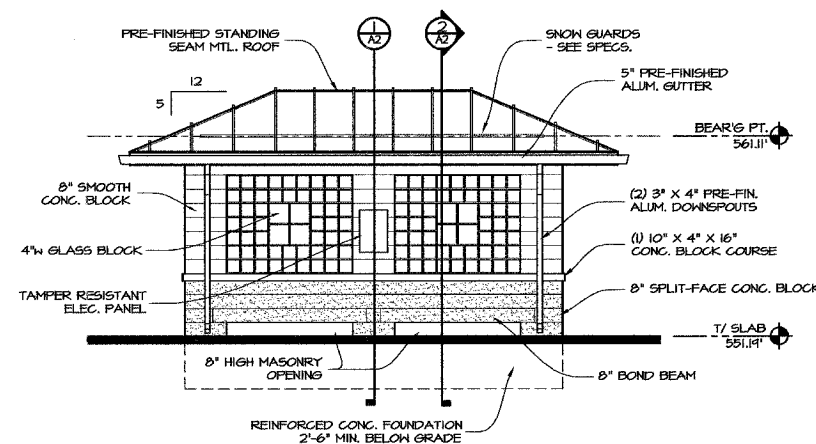
2 FLOOR PLAN  
SCALE: 1/4" = 1'-0"



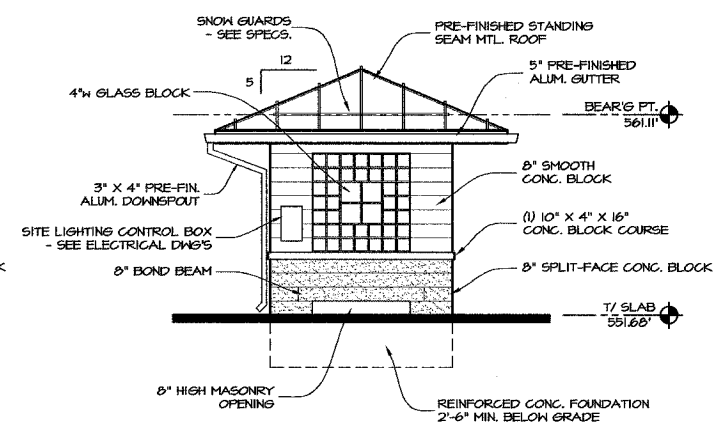
3 EAST ELEVATION  
SCALE: 1/4" = 1'-0"



4 SOUTH ELEVATION  
SCALE: 1/4" = 1'-0"



5 NORTH ELEVATION  
SCALE: 1/4" = 1'-0"



6 WEST ELEVATION  
SCALE: 1/4" = 1'-0"

DATE	BY
SURVEYED	
PLOTTED	
REVISIONS	
AREAS CHECKED	
FINAL	NO. _____
NO. _____	NO. _____

DATE	BY
SURVEYED	
PLOTTED	
REVISIONS	
AREAS CHECKED	
ORIGINAL	NO. _____
NO. _____	NO. _____

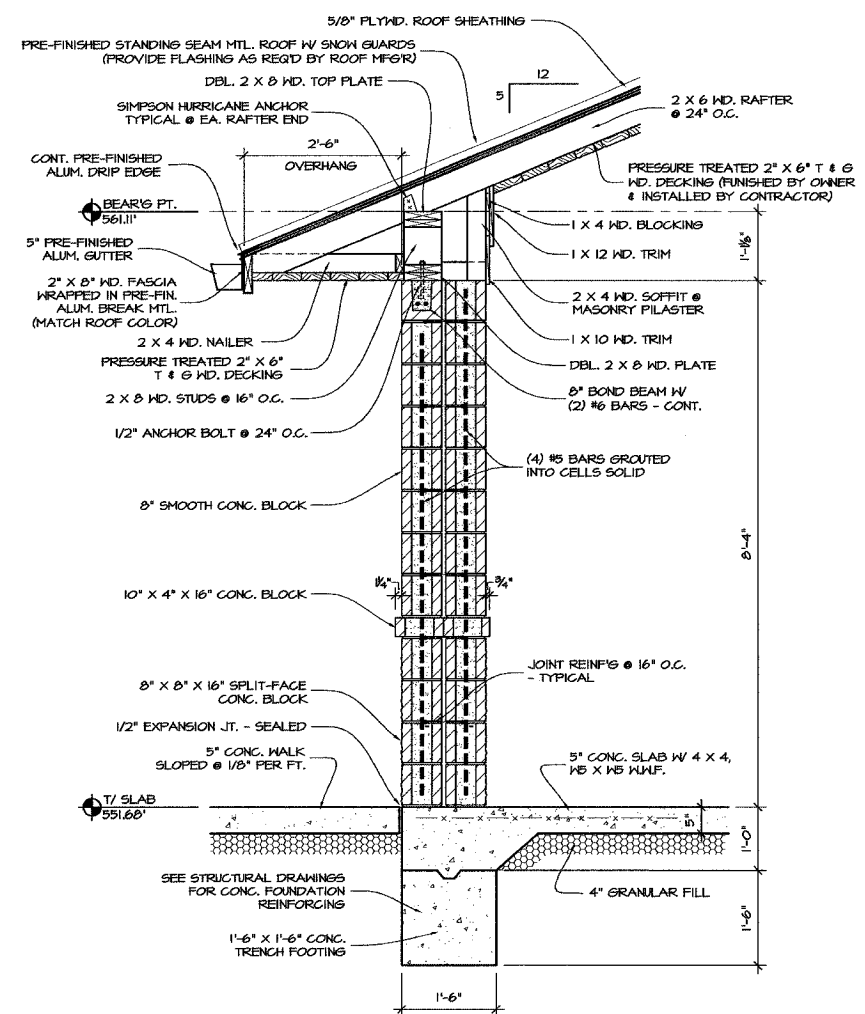
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	SCALE: 1/4" = 1'-0"		
REVISIONS			
NO.	DATE	BY	REMARKS
DSN. BY: JRH DATE: 11-4-05			SHEET
DWN. BY: RMS DATE: 11-11-05			13
CHK'D: RMS DATE: 11-18-05			
DNG. NO. 2443C			DNG. NAME: 2443C OF 18 SHTS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-00012-00-PK	MADISON	18	14
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

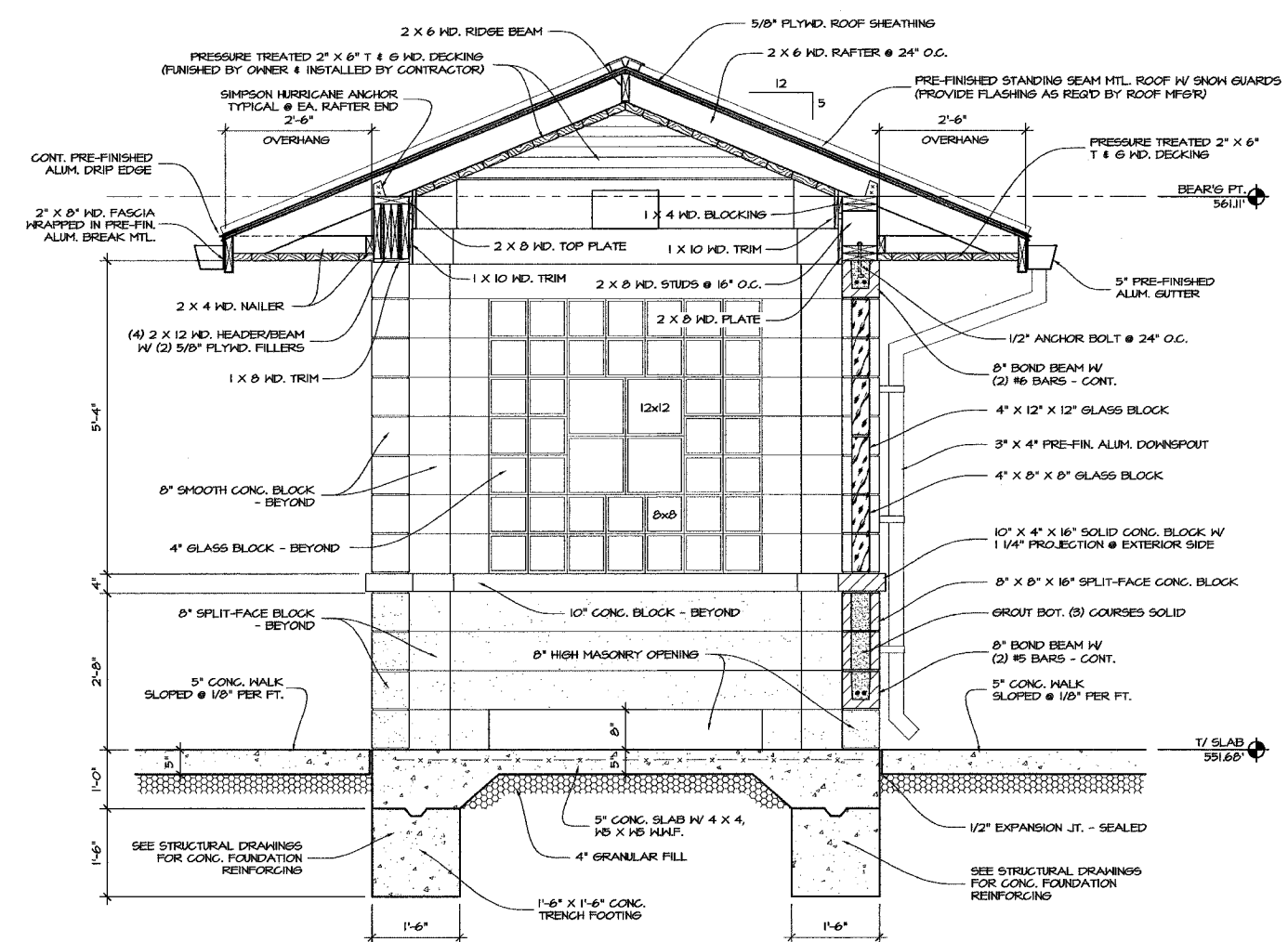
CONTRACT No. 97270

DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY



① PILASTER WALL SECTION  
SCALE: 3/4" = 1'-0"

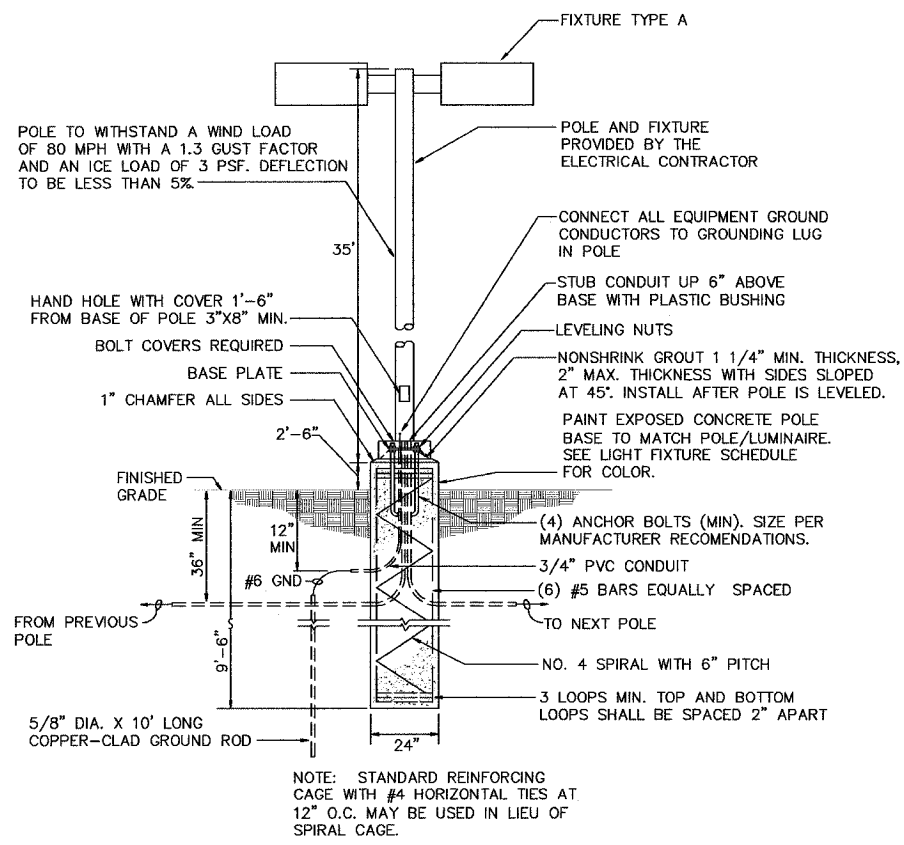


② BUILDING SECTION  
SCALE: 3/4" = 1'-0"

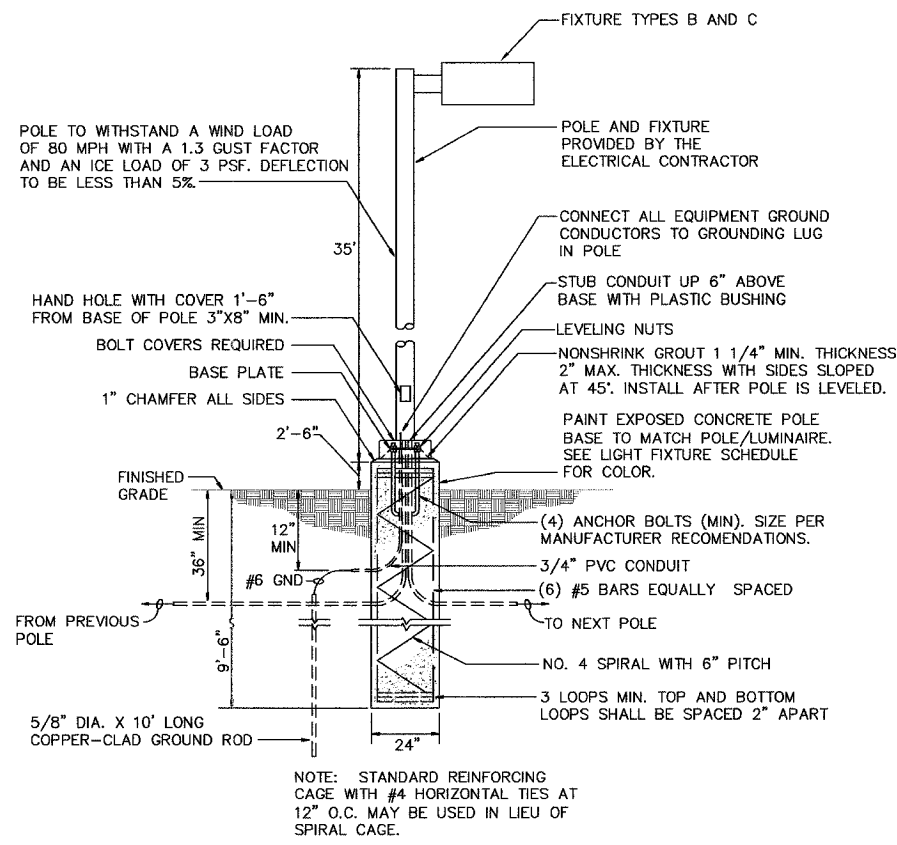
<p>HENDERSON Associates 211 E. VANDALIA EDWARDSVILLE ILLINOIS 62025 ARCHITECTS 618.656.6618 618.656.3899</p>	<p>WALL &amp; BUILDING SECTIONS HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION No. 00-00012-00-PK</p>													
	<p>SCALE: 3/4" = 1'-0"</p>													
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NO.	DATE	BY	REMARKS											
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<p>DWG. NAME: 2443C</p>		<p>DATE: 11-4-05 DATE: 11-11-05 DATE: 11-18-05</p>												
<p>OF 18 SHTS</p>		<p>SHEET 14</p>												





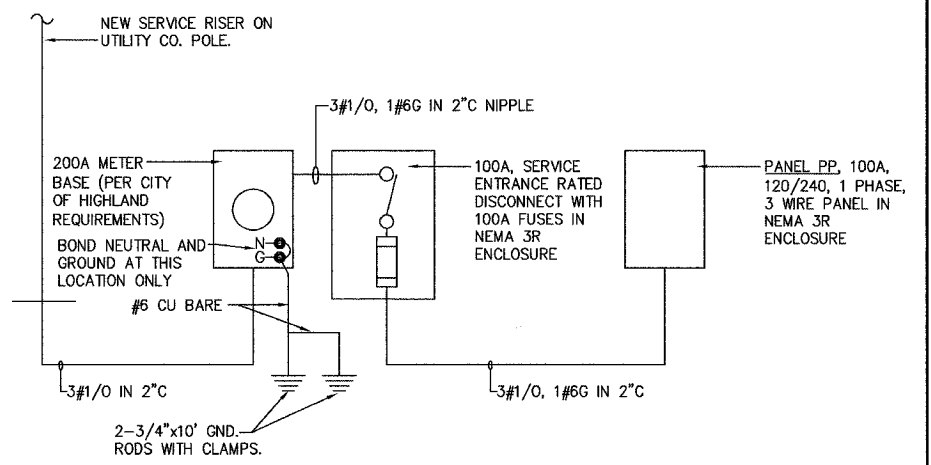


**1 FIXTURE TYPE A POLE BASE DETAIL**  
NO SCALE



**2 FIXTURE TYPES B AND C POLE BASE DETAIL**  
NO SCALE

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	--			
VOLTAMPS		A		B		TOTALS		VOLTS: 240V/120, 1Ø, 3W			
PHASE		4953		4717		9670					
MAINS: 100 AMP MAIN BREAKER			POLES: 20 POSITIONS			MOUNTING: SURFACE					

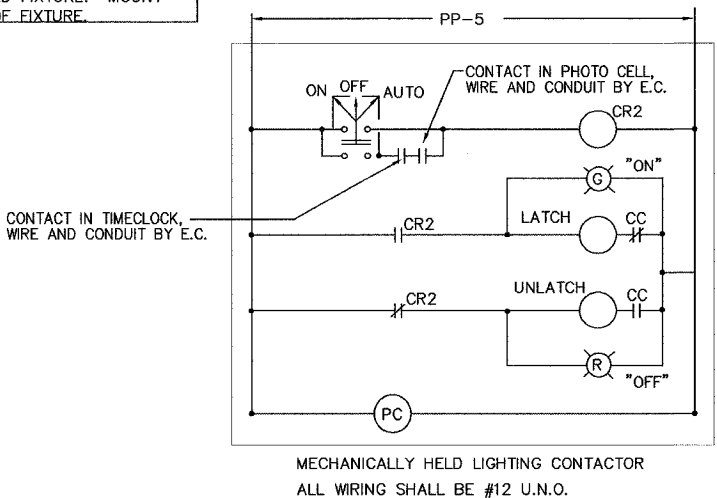


**3 ELECTRICAL ONE-LINE DIAGRAM**  
NO SCALE

LIGHT FIXTURE SCHEDULE						
TYPE	OPT.	MANUFACTURER & CATALOG No.	VOLTAGE	LAMPS	MOUNTING	DESCRIPTION & REMARKS
A	1	STERNER LIGHTING EXEC/RT25/400MH/3S/240/C/28/FL/NS	240	(2) 400W MH	POLE	2 FIXTURES, TYPE 3 DISTRIBUTION AT 180 DEGREES. MOUNT ON A 35' SQUARE TAPERED STEEL POLE. NOTES 1 AND 3.
B	1	STERNER LIGHTING EXEC/RT25/400MH/2S/240/C/10/FL/NS	240	(1) 400W MH	POLE	TYPE 2 DISTRIBUTION. MOUNT ON A 35' SQUARE TAPERED STEEL POLE. NOTES 2 AND 3.
C	1	STERNER LIGHTING EXEC/RT25/400MH/3S/240/C/10/FL/NS	240	(1) 400W MH	POLE	TYPE 3 DISTRIBUTION. MOUNT ON A 35' SQUARE TAPERED STEEL POLE. NOTES 2 AND 3.
D	1	KENALL MLHA8-48-F-MW-CP-2-32-PB8-1-120	120	(2) 32W T8 3500 K	WALL SURFACE	HIGH ABUSE VANDAL RESISTANT LINEAR FLUORESCENT WALL MOUNTED FIXTURE. MOUNT AT 8\"/>

- LIGHT FIXTURE SCHEDULE NOTES**
1. PROVIDE STERNER STS35/7\"/>

SITE LIGHTING CONTACTOR SCHEDULE				
CONTACTOR NAME	POLES/AMPS	CIRCUITS	REMARKS	CONTROL CIRCUIT
LC-1	8/30	PP-1,2,3,4,7 3 SPARE	SITE/SHELTER LIGHTING	ON VIA PHOTOCELL OFF VIA TIMECLOCK



**4 EXTERIOR LIGHTING CONTROL (LC-1) DIAGRAM**  
NO SCALE

- 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

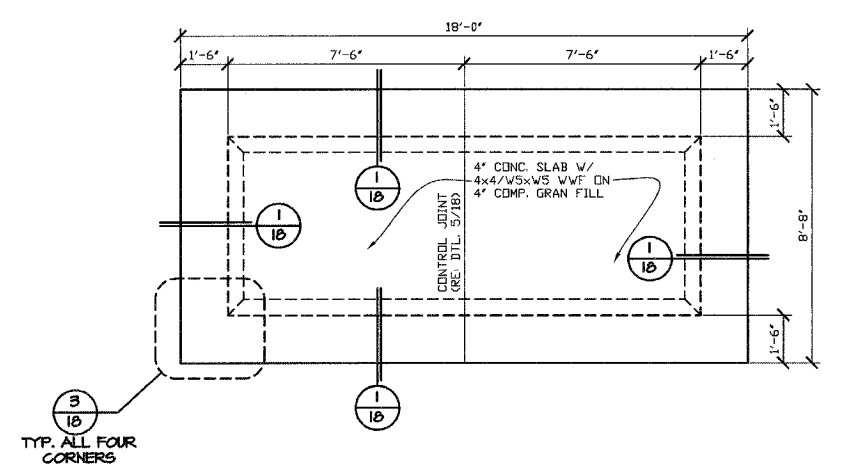
<b>BRiC</b> PARTNERSHIP, LLC CONSULTING ENGINEERS 100 EAST WASHINGTON, SUITE 220 BELLEVILLE, IL 62220 TEL: 618.277.5200 FAX: 618.277.5227		<b>ELECTRICAL SCHEDULES AND DETAILS</b> HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION No. 00-00012-00-PK													
SCALE: AS NOTED															
<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <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> </tbody> </table>				REVISIONS				NO.	DATE	BY	REMARKS				
REVISIONS															
NO.	DATE	BY	REMARKS												
DSNL BY: JEN DATE: 11-30-05 DWNL BY: JEN DATE: 11-30-05 CHKD: BEC DATE: 11-30-05		SHEET 16 OF 2 SHTS													
DWR NO.		JOB NO. 1268-04 DWG NAME: E2													



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8873	00-0012-00-PK	MADISON	18	18
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

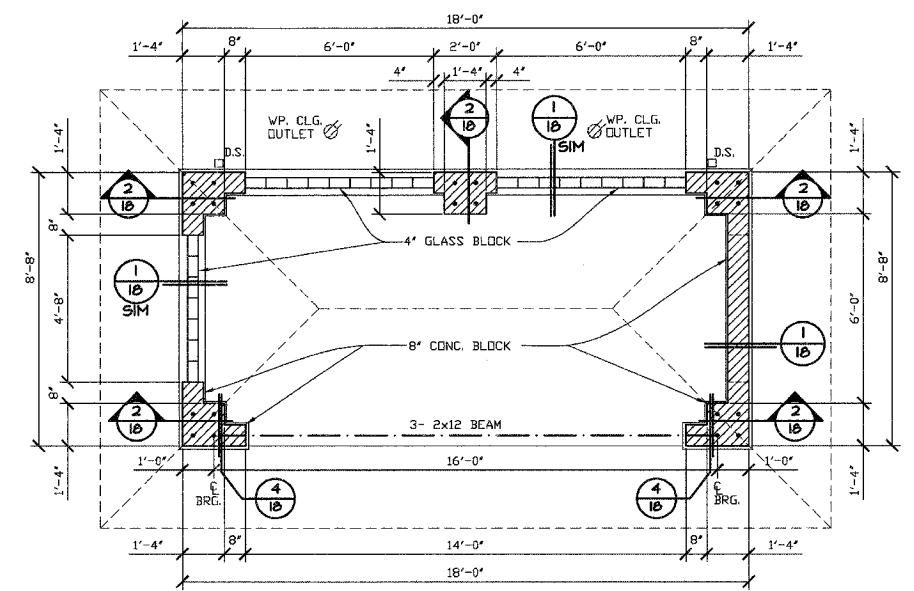
CONTRACT No. 97270

DATE	BY
SURVEYED	BY
PLOTTED	BY
TEMPLATE	BY
AREAS CHECKED	BY
NO.	



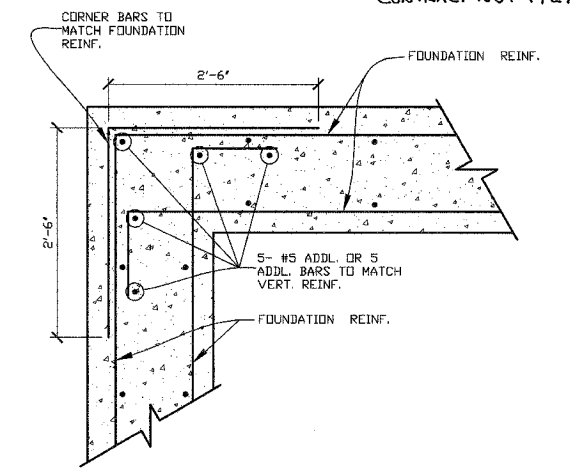
**FOUNDATION PLAN**

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



**FLOOR PLAN**

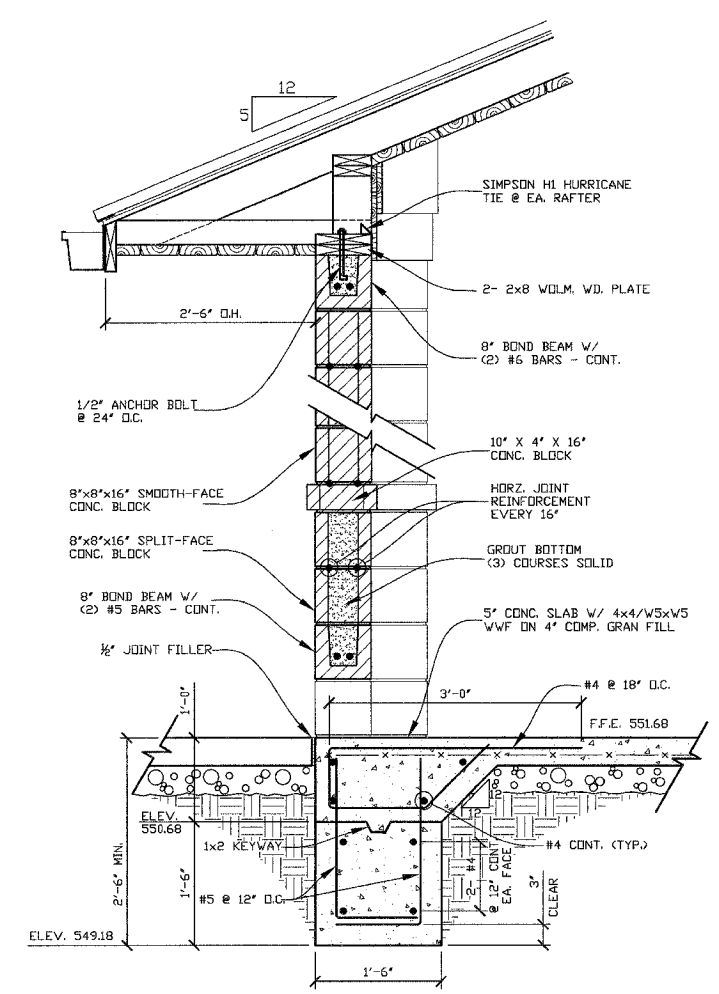
SCALE: 3/8" = 1' - 0"



**3 CORNER DETAIL**

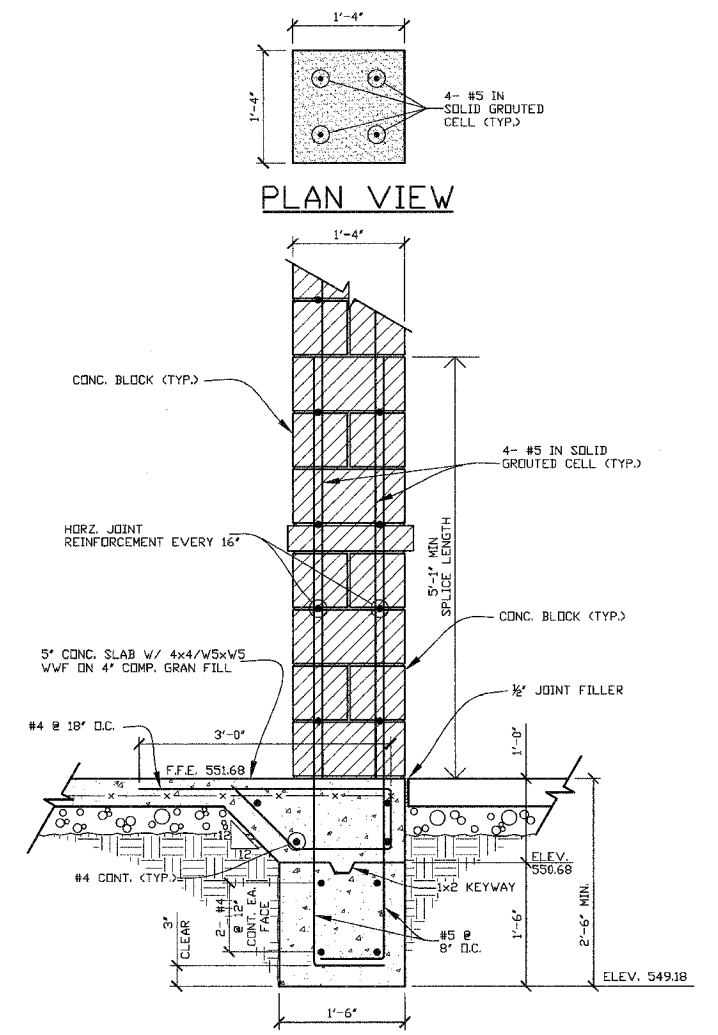
SCALE: 1" = 1' - 0"

DATE	BY
SURVEYED	BY
PLOTTED	BY
TEMPLATE	BY
AREAS CHECKED	BY
NO.	



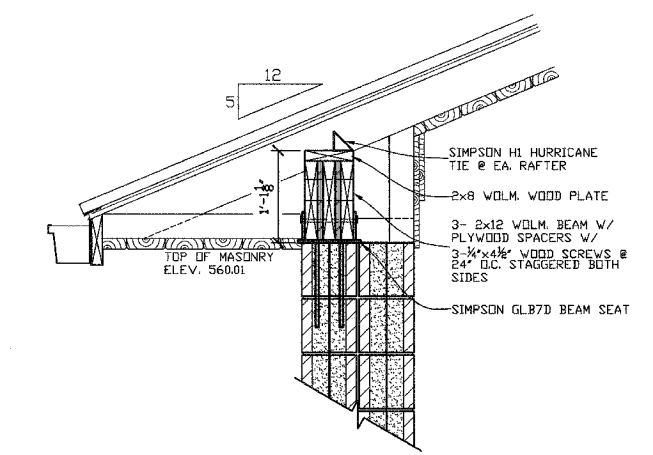
**1 TYPICAL WALL SECTION**

SCALE: 1" = 1' - 0"



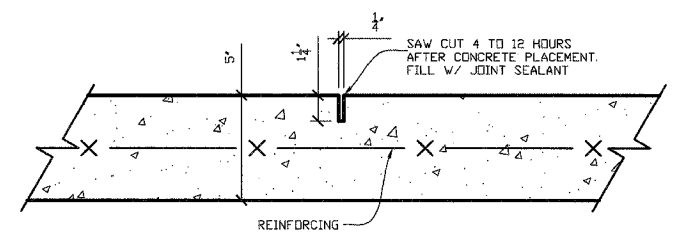
**2 SECTION @ PILASTER**

SCALE: 1" = 1' - 0"



**4 BEAM CONNECTION DETAIL**

SCALE: 1" = 1' - 0"



**5 CONTROL JOINT DETAIL**

SCALE: 3" = 1' - 0"

<p>Juneau Associates, Inc. P.C. CONSULTING ENGINEERS AND LAND SURVEYORS 209 State Street, P.O. Box 133 Oroville, Minn. 55940-4725 Phone: (818)977-1400 / (818)973-0539 Fax: (818)950-8541</p>		<p>STRUCTURAL DETAILS</p> <p>HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION No. 00-0012-00-PK</p>																					
SCALE:																							
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<p>DSN. BY: JJK DATE: 12/1/05 SHEET</p> <p>DWN. BY: EER DATE: 12/1/05 <b>18</b></p> <p>CHK'D: WHH DATE: 12/1/05</p> <p>DWG. NO. JOB NO. E054401 DWG NAME: S-DETAILS OF 18 SHTS</p>																							