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- 17. STRUCTURAL NOTES
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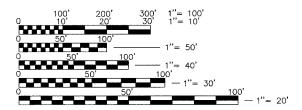
# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT DISTRICT

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

# STANDARDS

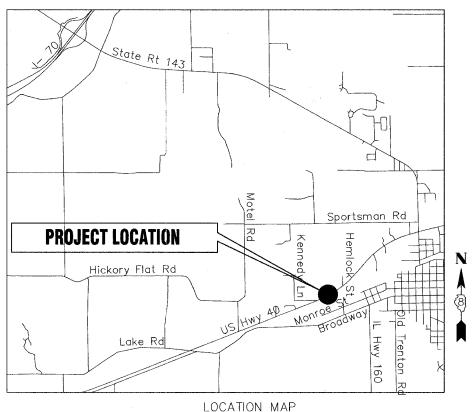
000001-04 280001-02 420001-06 606401 701006-02 701301-02 702001-05 720001 720006

780001-01 BLR 10-5



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



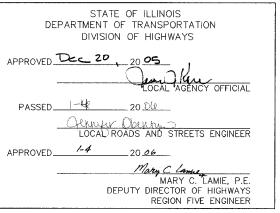
SCALE: 1" = 1000' SECTION 6, T. 3 N., R. 5 W., 3RD P.M.

Rando A Kupes

12/20/05

RONALD A. KEEPES, P.E. No. 062-48711 DATE (Printed by Authority of the State of Illinois) Job No. E054401 CONTRACT NO. 97270







# 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
- 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.
- THE SAW-CUTTING OF EXISTING ROAD PAVEMENT TO A SUFFICIENT DEPTH TO CREATE A CLEAN VERTICAL JOINT SHALL BE CONSIDERED INCLUDED IN
- 9) REMOVAL OF AGGREGATE, OIL AND CHIP BITUMINOUS SURFACING, AND BITUM THOUS MATERIALS SHALL BE INCLUDED IN EARTH EXCAVATION.
  THIS QUARTITY IS INCLUDED IN THE EARTH EXCAVATION QUANTITY AS SHOULD ON SHEET & AND SHALL BE INCLUDED IN THE COST

  10) ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON MEAN SEA LEVEL (M.S.L.) DATUM. FOR EARTH EXCAVATION,
- 11) EXISTING UTILITIES SHOWN ON THE PLANS ARE PLOTTED FROM AVAILABLE INFORMATION. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE THE PLANS ARE PLOTTED FROM NOT THE PLANS ARE PLOTTED FROM AVAILABLE INFORMATION. HERE COLATION SHOULD BE CONSIDERED APPROXIMATE ONLY AND THERE MAY BE OTHERS NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY OF 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 MISUAL SURFACE INSPECTION OR AVAILABLE DOCUMENTATION. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE PRESENCE, SPECIFIC SIZE, LOCATION OR COMDITION OF UNDERGROUND UTILITY AND DISTRIBUTION SYSTEMS. IN ORDER TO AVOID DAMAGE TO UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES BELONGING TO THE JULLIE. 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.
- WILL BE ALLOWED. PRÉPARED 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 HUNOIS 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
- 19) ALL PAVEMENT MARKINGS SHALL BE YELLOW EXCEPT WHERE NOTED OTHERWISE ON THE PLAN,
- 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:
- 23) NEW WHEEL STOPS SHALL BEPROVIDED AT THE CONTRACT UNIT PRICE FOR "FURNISHING AND INSTALLING CONCRETE NITROGEN FERTILIZER NUTRIENTS 90 LBS/ACRE 90 LBS/ACRE WHEEK STOP! "

PHOSPHORUS FERTILIZER NUTRIENTS POTASSIUM FERTILIZER NUTRIENTS 90 LBS/ACRE MULCH BITUMINOUS CONCRETE

0.25 GAL/S.Y (AGGREGATE SURFACE) GRANULAR MATERIALS

BITUMINOUS MATERIALS

2 TONS/ACRE MULCH 112 LBS/S.Y./INCH 0.07 GAL/S.Y. (PAVED SURFACE)

# **ABBREVIATIONS**

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

FH FIRE HYDRANT FL FLOW LINE GV GAS VALVE

# LEGEND

EXISTING		PROPOSED
	OIL & CHIP PAVEMENT	
	RIP RAP AREA	
UNDOLV SEEPHELL CREEK ALL CREECHELL CREEK LEA	CONCRETE PAVEMENT	
<u> </u>	PROPERTY LINE	P
	R.O.W. LINE	
576	CONTOUR LINE	(554)
w	WATER LINE	w
G	GAS LINE	
OHE	OVERHEAD ELECTRIC LINE	
FO	FIBER OPTIC CABLE	
=======	CULVERT	<b>— ←</b>
	SILT FENCE	—SF——SF—
	GROUND HYDRANT	
<del></del>	SIGN	<del>-u-</del>
	BOLLARD	0
-	POWER POLE	#
	POWER POLE WITH LIGHT STANDARD	<b>●</b>
$\bigcirc$	LIGHT STANDARD	•
<b>⊕</b> BM	BENCH MARK	
⊕ <sup>B−102</sup>	SOIL BORING	
	CONTROL POINT	- <b>∳</b> CP−#

## 8873 00-00012-00-PK FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT **CONTRACT NO. 97270**

SECTION

SHEETS NO.

2

18

MADISON

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

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

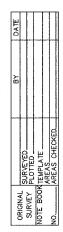
LOCATION: PROJECT IS LOCATED IN SECTION 6, TOWNSHIP 3 NORTH, RANGE 5 WEST OF THE THIRD PRINCIPLE MERIDIAN.

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. 00-00	012-00-PK	
_			REVISIONS	SCALE:				
_	DATE	BY	REMARKS					
				DSN. BY:	RGL/AJW	DATE:	12/20/05	SHEET
_				DWN, BY:	RGL/AJW	DATE:	12/20/05	2
				CHK'D:	RAK	DATE:	12/20/05	_
	NO.			JOB NO.	E054401	DWG NAME:		OF 18 SHTS



 F.A.U. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
8873	8873 00-00012-00-			MADISON	18	3
FED. RO	AD DIST. NO.	ILLIN	OIS	FED. AID F	ROJECT	

CONTRACT NO. 97270

# SUMMARY OF QUANTITIES

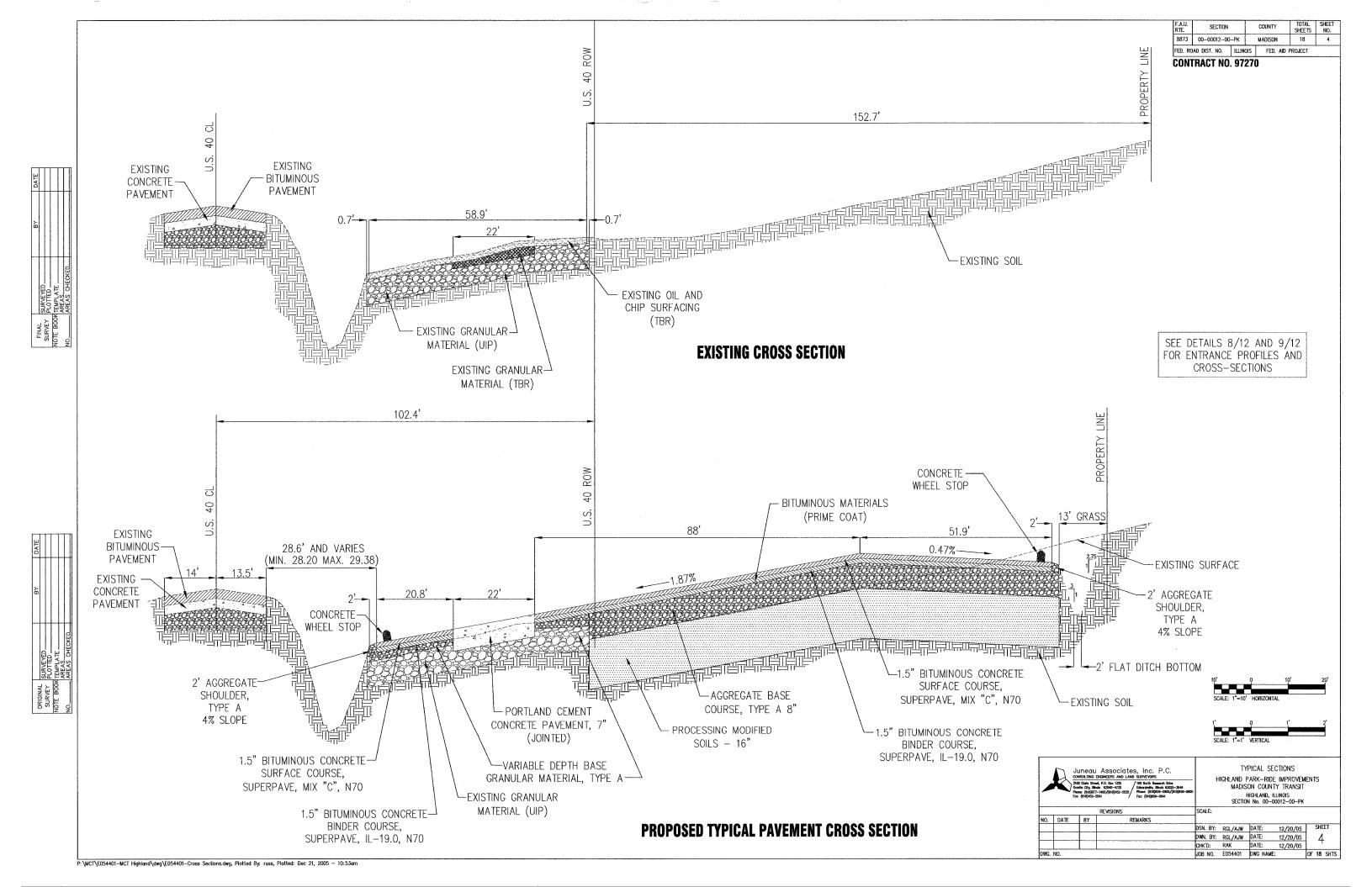
Y026 TOTAL QUANTITY ITEM DESCRIPTION CODE NO. 20200100 EARTH EXCAVATION CU YD 589 20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL 2432 CU YD 20400800 FURNISHED EXCAVATION CU YD 1045 20 20800150 TRENCH BACKFILL CU YD 25000100 SEEDING, CLASS 1 ACRE 1.5 157 25100630 EROSION CONTROL BLANKET SQ YD TEMPORARY DITCH CHECK 28000300 28000400 PERIMETER EROSION BARRIER 1103 28000500 INLET AND PIPE PROTECTION 28100707 STONE DUMPED RIPRAP, CLASS A4 SQ YD 28200200 FILTER FABRIC 30200850 PROCESSING MODIFIED SOILS 16" 6615 30201500 TON 35100100 AGGREGATE BASE COURSE, TYPE A 625 TON 35100700 AGGREGATE BASE COURSE, TYPE A 8" 6804 40600100 BITUMINOUS MATERIALS (PRIME COAT) GAL 2516 PORTLAND CEMENT CONCRETE PAVEMENT, 7" (JOINTED) 1515 42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5 1224 48100100 AGGREGATE SHOULDER TYPE A 88 542A0213 PIPE CULVERTS, CLASS A, TYPE 1 8" FOOT 22 54200643 PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE, 18" FOOT

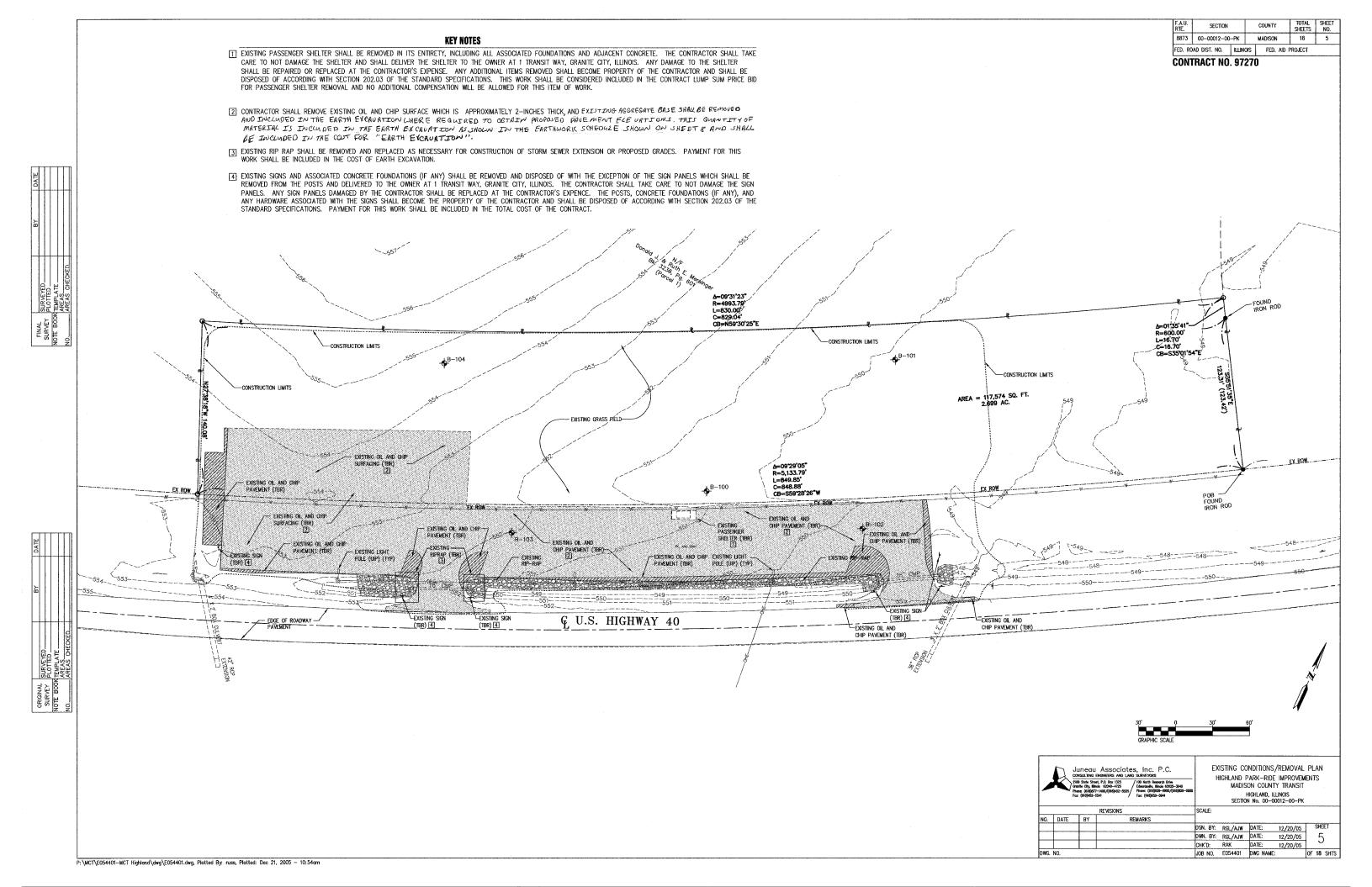
				Y026
	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
	60615400	PAVED DITCH TYPE A-15	FOOT	106
	67100100	MOBILIZATION	L SUM	1
	70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
	72000100	SIGN PANEL TYPE 1	SQ FT	97
	73000100	WOOD SIGN SUPPORT	FOOT	360
	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	9168
	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	11
	XX005505	OUTDOOR LIGHT IMPROVEMENTS	L SUM	1
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	
Ĺ	XX006455	WATER SERVICE AND GROUND HYDRANT	L SUM	1
	xx006457	WHEEL STOP REMOVAL AND REPLACEMENT	EACH	100
	L			

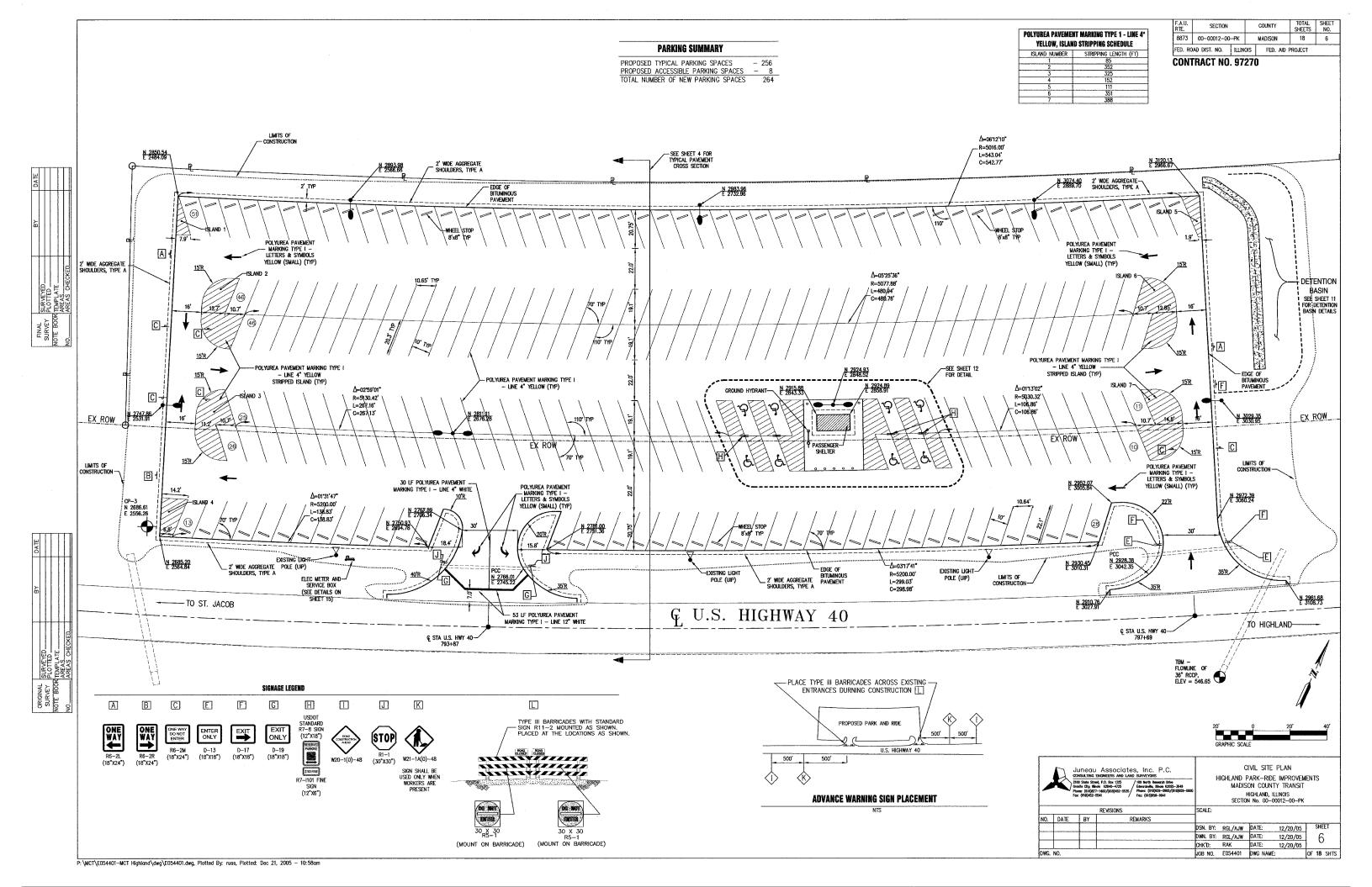
\* SPECIALTY ITEMS

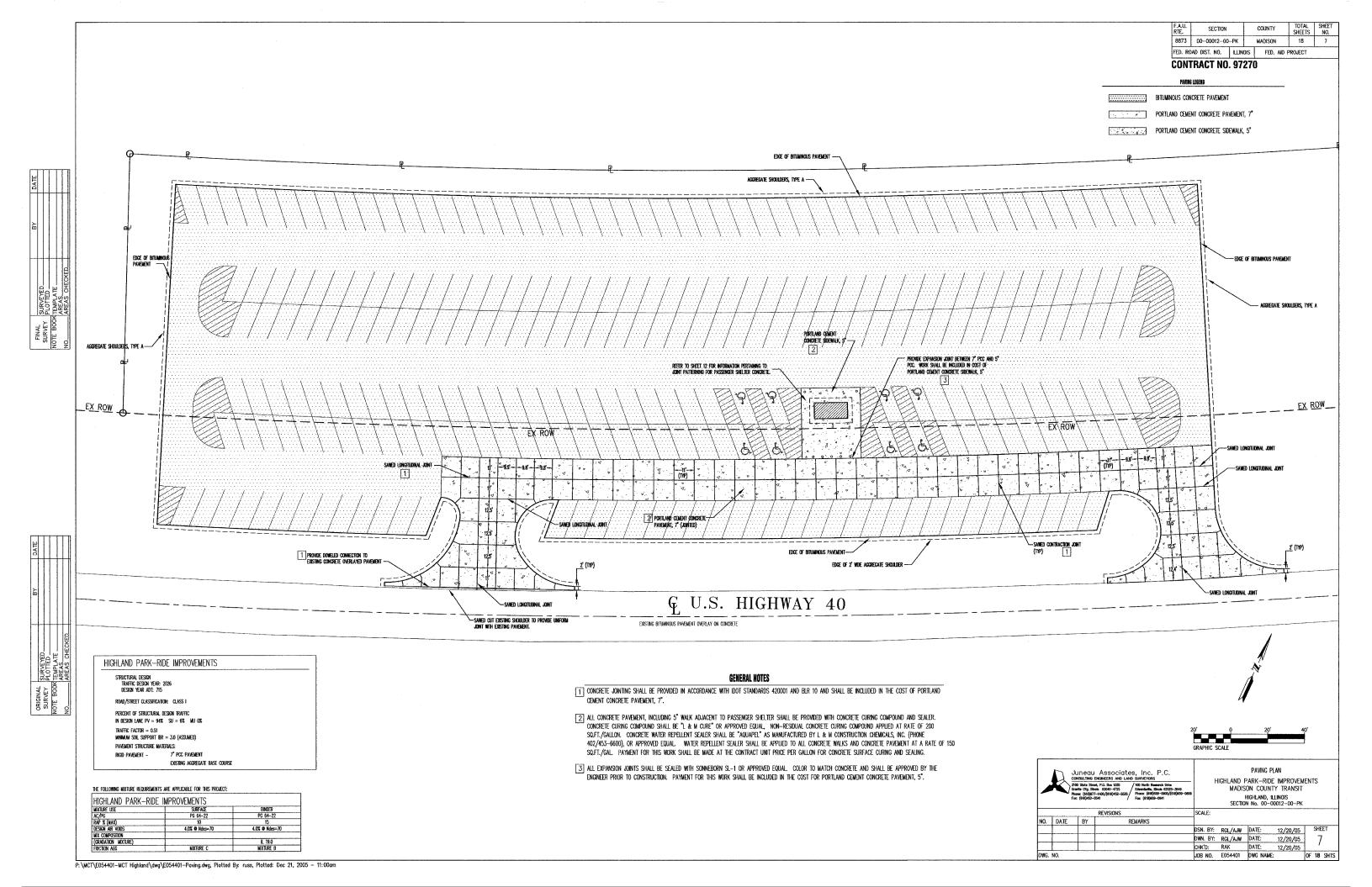
JUNEQU ASSOCIATES, Inc. P.C.  ONSULTING DIGNEERS AND LAND SURVEYORS  200 State Steel, P.B. Bis 193  200 State Steel, P.B. Bis 193  Phone (18)597—1400/(18)402—5555  Face (18)5452—5541  First (18)599—1600/(18)599—16000  First (18)599—16000/(18)599—16000					SUMMARY OF QUANTITIES  HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION NO. 00-00012-00-PK					
			REVISIONS	SCALE:						
NO.	DATE	BY	REMARKS	1						
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				DWN. BY:	RGL/AJW	DATE:	12/20/05	7		
		T		CHK'D:	RAK	DATE:	12/20/05	1 ~	,	
DWG.	WG. NO.				E054401	DWG NAME:		OF 18	SHTS	

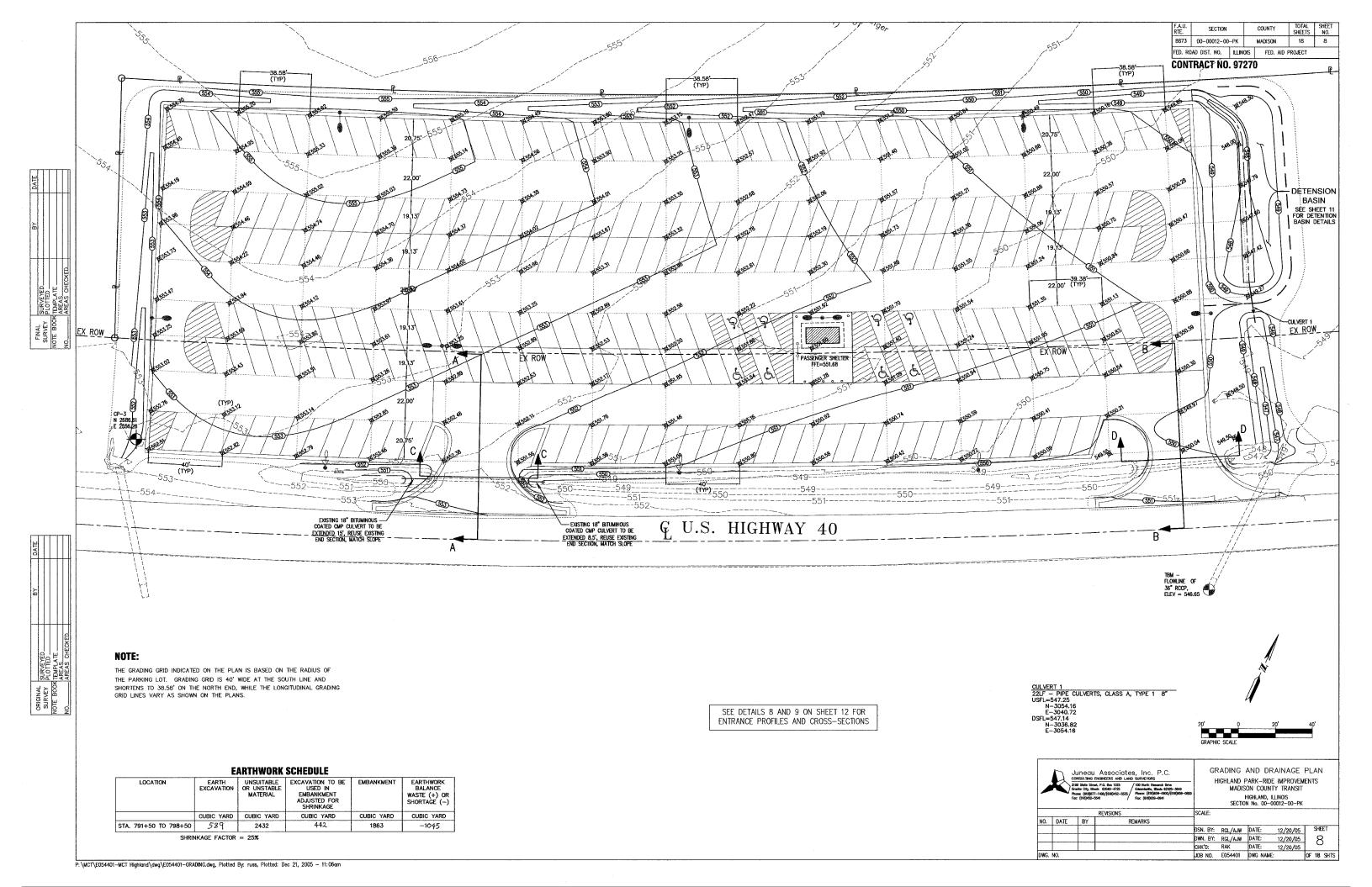
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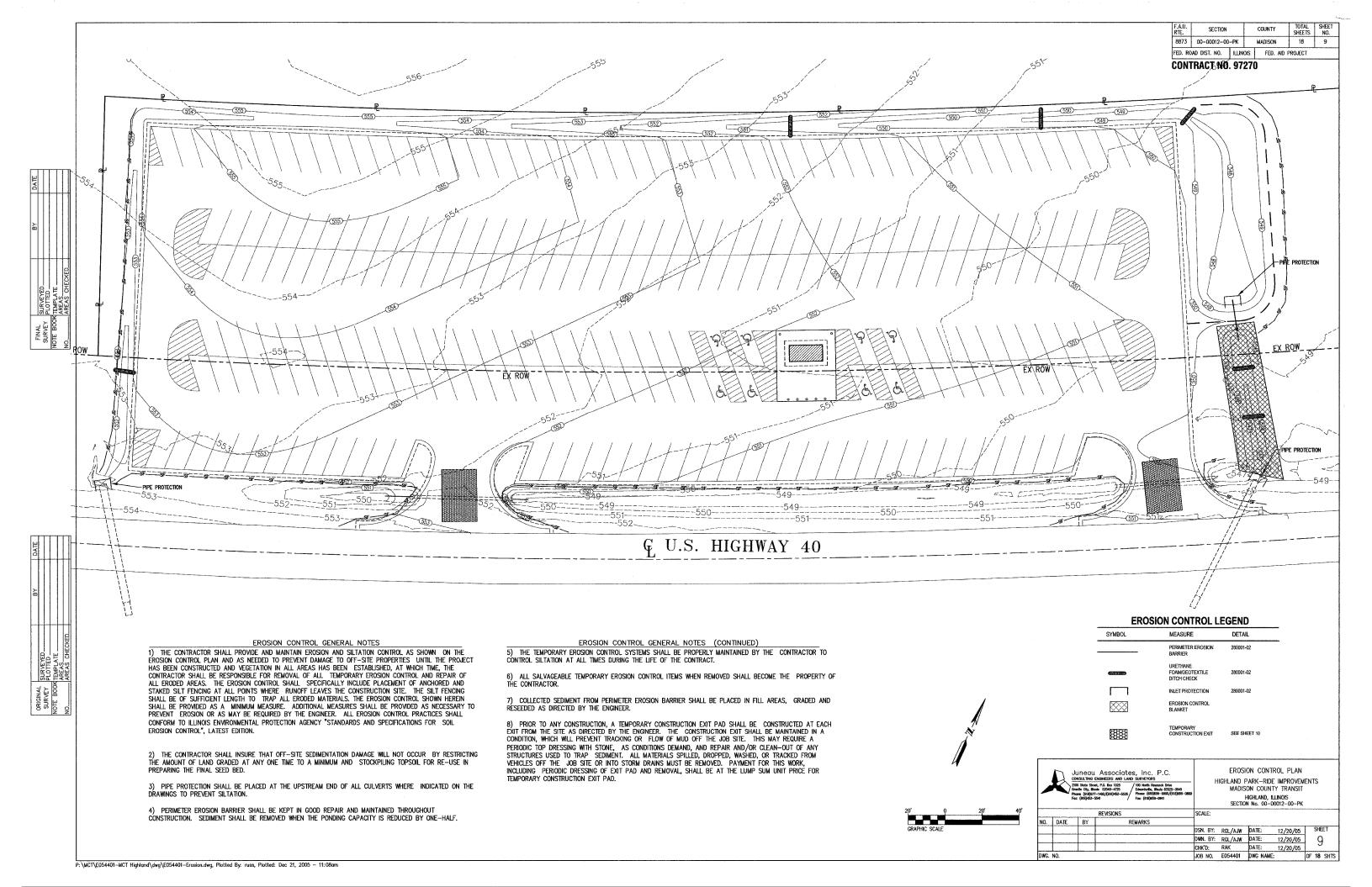












### **CONTRACT NO. 97270**

## STORMWATER POLLUTION PREVENTION PLAN

### PROJECT NAME & LOCATION:

MCT PARK-RIDE IMPROVEMENTS US HIGHWAY 40 HIGHLAND, ILLINOIS

MADISON CO. TRANSIT GRANITE CITY, ILLINOIS 62040

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

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

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.

- 1 INSTALL ERUSION CONTROL S 2 DEMOLITION. 3 CLEAR AND GRUB AREAS TO BE GRADED.

- CLEAR AND GROUB AREAS TO BE GRADED.
   HOUSE GRADE SITE.
   APPLY TEMPORARY SEEDING ON DISTURBED AREAS NOT TO BE PAVED.
   COMPLETE FINAL GRADING FOR PAVED SURFACING.
   CONSTRUCT BITUMINOUS AND PORTLAND CEMENT CONCRETE SURFACING.
- 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 PRACTICIES

TOPSON STOCKEN AS 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 REQUIRED IF SOIL IS IN LOOSE CONDITION. PRIOR TO SEEDING, 10-64 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:
DISTURRED 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 CRED TOP IN
ACCORDANCE WITH IDD TO LASS 2 MIX. PRIOR TO SEENIG 10-64 PERTILIZER SHALL BE APPLIED AT THE RATE OF 20 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 S 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

A DETENTION BASIN WILL BE CONSTRUCTED AS AN INTEGRAL PART OF THE STORMWATER DRAINAGE SYSTEM. DRAINAGE FROM THE PARKING

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A DETENTION BASIN WILL BE CONSTRUCTED AS AN INTEGRAL PART OF THE STORMWATER DRAINAGE SYSTEM. DRAINAGE FROM THE PARKING

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A DETENTION BASIN WILL RESTRICT FLOW RATES A DETENTION BASIN WILL BE CONSTRUCTED AS AN INTEGRAL PART OF THE STORMWALER DIGHTNINGS STSEM. DRAINAGE FROM THE PARKIN 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 DETAILED IN THE DETENTION BASIN WILL OUTLET TO AN EXISTING CULVERT LOCATED UNDER US HIGHWAY 40. TO PREVENT SILITATION FROM ENTERING DOWNSTREAM

### STORM WATER MANAGMENT

STORM WATER DRAINAGE FOR THE DEVELOPMENT WILL BE PROVIDED BY ALLOWING SHEET FLOW TO A GRASSED DITCH USED TO ROUTE THE

PROPOSED GRADING SLOPES SHALL NOT EXCEED THE SLOPES INDICATED ON THE GRADING PLAN. TYPICALLY IN MOST AREAS, THIS SHALL NOT

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

### OTHER CONTROLS

### WASTE DISPOSAL

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURED CONTAINER WHICH WILL MEET ALL LOCAL AND ANY STATE SOLID WASTE MANAGMENT 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.

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

### **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 OF 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 DEP'TH 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

-THE SITE CONTRACTOR WILL SELECT AS MANY AS THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND

PERSONNEL SELECTED FOR INSPECTION REPSONSIBILITIES 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

### NON-STORM WATER DISCHARGES

-WATER FROM WATERLINE FLUSHING.

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).

### INVENTORY FOR POLLUTION PREVENTION PLAN

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

-PETROLEUM BASED PRODUCTS
-MASONRY BLOCK

# SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICIES 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

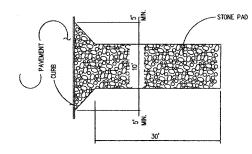
-THE SITE CONTRACTOR RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS. WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR

### 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 DAW THAT THIS DOCUMENT AND ALL AT HACKMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERTY 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.



12/20/05



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"

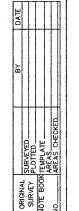
4) MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS. 5) LOCATE AT ALL POINTS OF EGRESS ONTO PUBLIC ROADS.

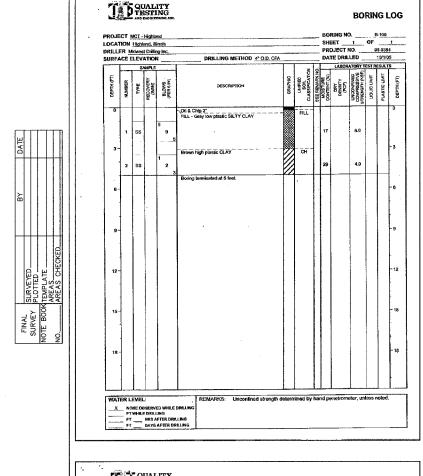
TEMPORARY CONSTRUCTION EXIT



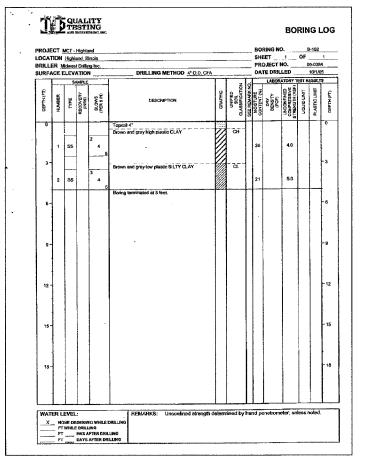
EROSION CONTROL NOTES HIGHLAND PARK-RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION No. 00-00012-00-PK

			REVISIONS	SCALE:						
NO.	DATE	BY	REMARKS	1						
				DSN. BY:	RGL/AJW	DATE:	12/20/05	SHEET		
				DWN. BY:	RGL/AJW	DATE:	12/20/05	10		
				CHK'D:	RAK	DATE:	12/20/05	, 0		
DWG.	NO.			JOB NO.	E054401	DWG NAME:		OF 18 SHTS		

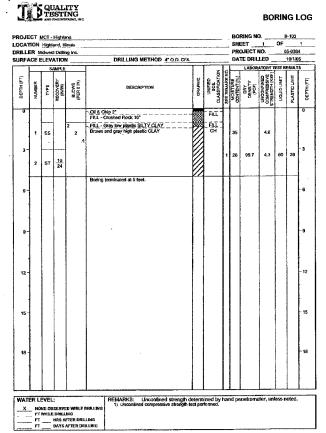


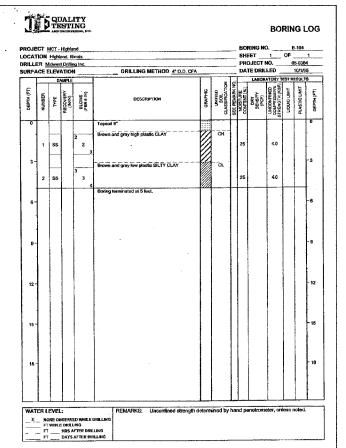


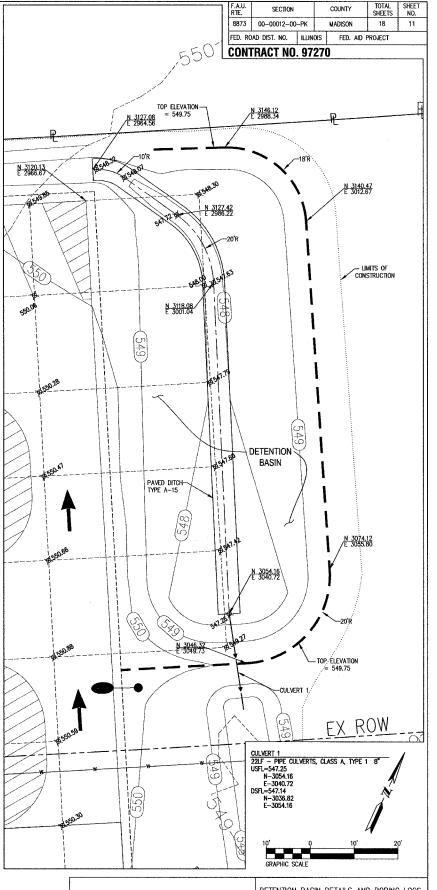
PROJE LOCAT DRILLE	ION	High lidwes	and, 18 Drillir	inois 19 loc.					SH	RING N EET OJECT	1 NO	OF	5-038	4
SURFA	CE		MPLE	١	DRILLING METHOD 4" O.D. CF	<u> </u>		_	DA	TE DRIL	ATORY I		10/1/0	
DEPTH (FT)	NUMBER		RECOVERY (BYIN)	BLOWS (PER 6 IN)	DESCRIPTION	GRAPHIC	UNIFIED SOIL CLABSIFICATION	SEE REMARK NO.	MOISTURE CONTENT (%)	DENSITY (PCF)	UNCONFINED COMPRESSIVE STRENGTH (KSF)	CHOUD LIMIT	PLASTIC LIMIT	TENTA (ET)
0		_			Topsoil 12"	1200		r	Г					0
	. 1	ss		1 3 4	Brown high plastic CLAY		CH -		32		4.25			
3-	2	88		2 4 4	Brown and gray low plastic SILTY CLAY		CL.		25		3.5			-3
6-					Boring terminaled at 5 feet.									-6
9~											-			-9
12 -					•									-12
15 -														- 15
10-														- 16
WAT				D WHILE	REMARKS: Unconfined afrength	determ	ined by	hav	nd pe	enetrom	ater, un	less r	noted.	L



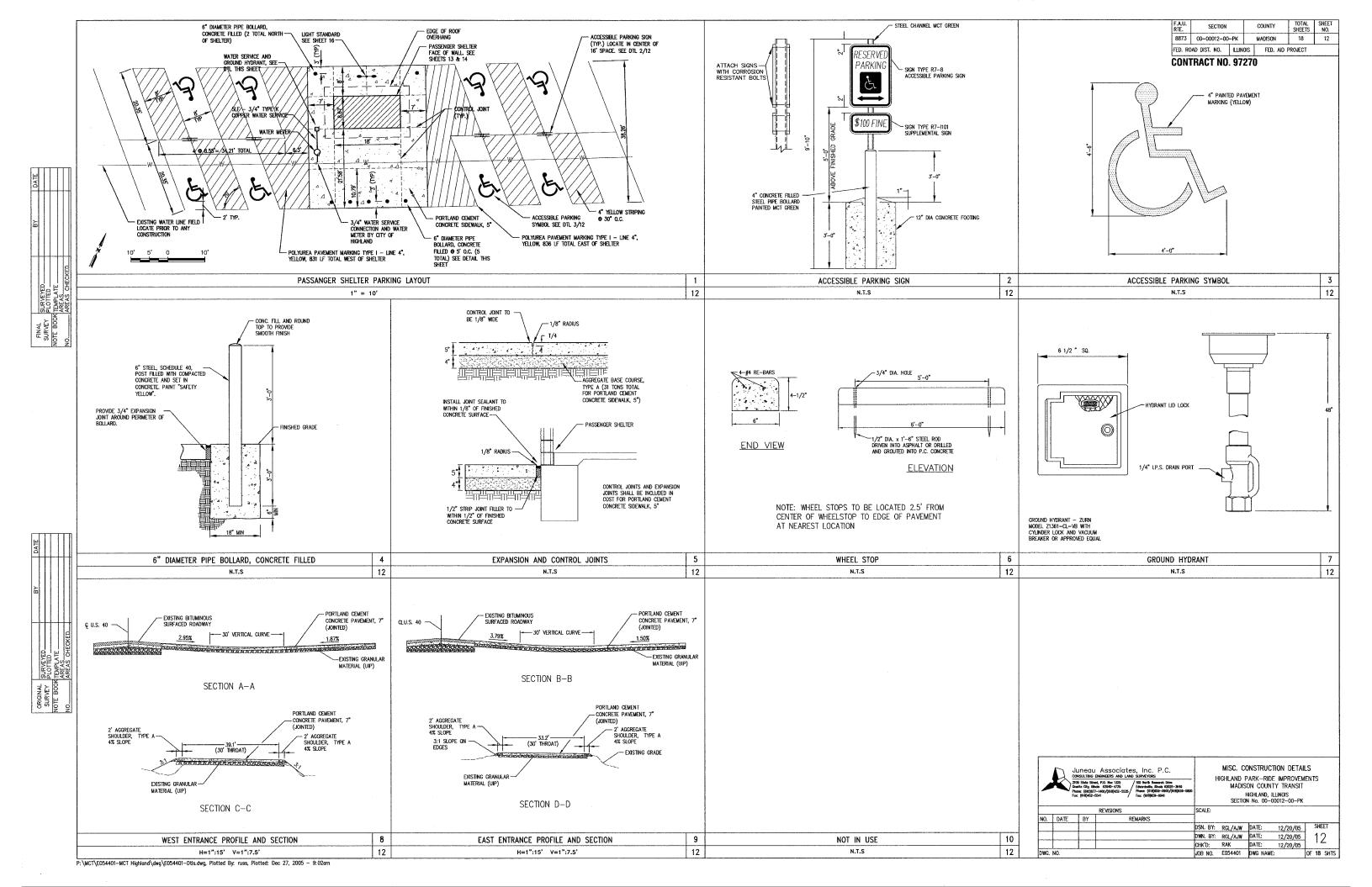


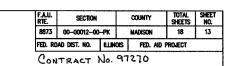


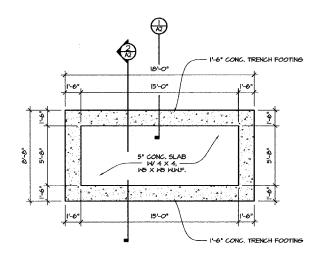


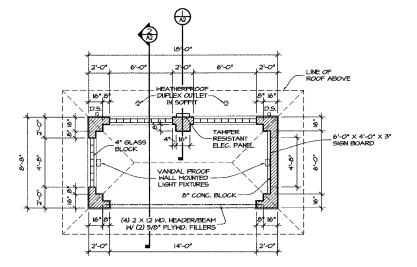


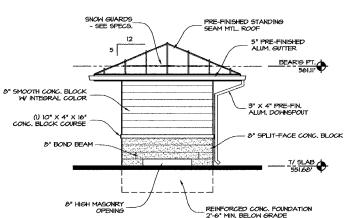
l .				1						
JUNEAU ASSOCIATES, Inc. P.C. CONSULTING ENGINEERS AND LAND SURVEYORS 200 Sales Seed, P.O. Bis 1005 Phone (600)77-140/(60)405-5559 Phone (600)77-140/(60)405-5559 Proc. (616)402-5569 REVISIONS					DETENTION BASIN DETAILS AND BORING LOG HIGHLAND PARK—RIDE IMPROVEMENTS MADISON COUNTY TRANSIT HIGHLAND, ILLINOIS SECTION NO. 00-00012-00-PK					
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DWG.	NO.		-	JOB NO.	E054401	DWG NAME:		OF 18 SHT		













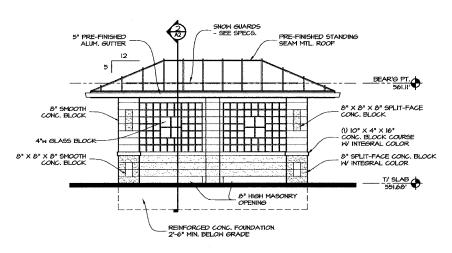
FINAL SURVEY NOTE BOOK

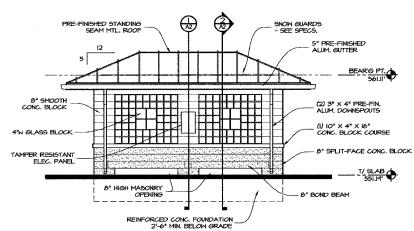
> SURVEYED PLOTTED TEMPLATE AREAS CHE

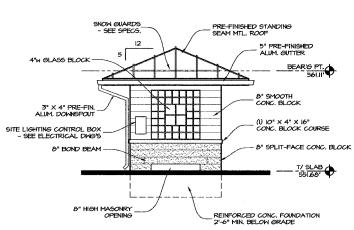
ORIGINAL Survey Note Book No.











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

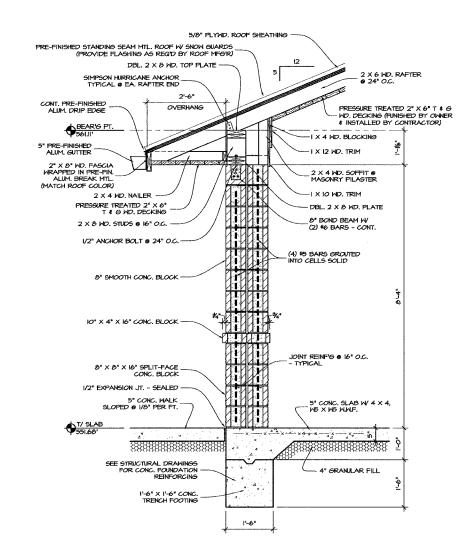
5 NORTH ELEVATION SCALE. 1/4" = 1'-0"

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

			RSON Associates CHITECTS Inc.	211 E. VANDALIA EDWARDSVILE ILLINOIS 62025 618.656.6618 fox 618.656.3899	PLANS, ELEVATIONS, & DETAILS HIGHLAND PARK-RIDE IMPROVEMENT MADISON COUNTY TRANSIT HIGHLAND, LINOIS SECTION No. 00-00012-00-PK				
			REVISIONS		SCALE: 1	/4" = 1'-0	) <b>"</b>		
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DWG.	ш				LIOR NO	2443C	DWG NAME:	2443C	OF 18 SHTS

F.A.U. RTE.	SECTION			COUNTY	OUNTY TOTAL SHEETS		
8873	8873 00-00012-00			MADISON	18	14	
FED. RO	DAD DIST. NO.	ILLIN	OIS	FED. AID F	ROJECT		

CONTRACT No. 97270



2 X 6 WD. RIDGE BEAM PRESSURE TREATED 2" X 6" T & G WD. DECKING (FUNISHED BY OWNER & INSTALLED BY CONTRACTOR) - 2 X 6 MD, RAFTER @ 24" O.C. PRE-FINISHED STANDING SEAM MTL. ROOF W SNOW GUARDS (PROVIDE FLASHING AS REQ'D BY ROOF MFG'R) SIMPSON HURRICANE ANCHOR TYPICAL @ EA. RAFTER END 2'-6" 2'-6" OVERHANG OVERHANG PRESSURE TREATED 2" X 6" T & G ND. DECKING CONT. PRE-FINISHED ALUM. DRIP EDGE BEAR'S PT. 2" X 8" MD. FASCIA WRAPPED IN PRE-FIN. ALUM. BREAK MTL. 4 MD. BLOCKING - 2 X & ND. TOP PLATE IXIOND. TRIM 2 X 8 WD. STUDS @ 16" O.C. 2 X 4 MD. NAILER (4) 2 X 12 MD. HEADER/BEAM W (2) 5/8" PLYMD. FILLERS -1/2" ANCHOR BOLT @ 24" O.C. 6" BOND BEAM W (2) #6 BARS - CONT. IX8 ND. TRIM -12x12 4" X 12" X 12" GLASS BLOCK - 3" X 4" PRE-FIN, ALUM, DOWNSPOUT 4" X 8" X 8" GLASS BLOCK 8" SMOOTH CONC. BLOCK \_ - BEYOND IO" X 4" X I6" SOLID CONG. BLOCK W I I/4" PROJECTION @ EXTERIOR SIDE 4" GLASS BLOCK - BEYOND - 8" × 6" × 16" SPLIT-FACE CONC. BLOCK 8" SPLIT-FACE BLOCK - BEYOND IO" CONC. BLOCK - BEYOND GROUT BOT. (3) COURSES SOLID 8" HIGH MASONRY OPENING 5" CONC. WALK \_ SLOPED @ 1/8" PER FT. 5" CONC. WALK SLOPED & I/8" PER FT. 5" CONC. SLAB W 4 X 4, W5 X W5 W.W.F. - I/2" EXPANSION JT. - SEALED SEE STRUCTURAL DRAMINGS FOR CONG. FOUNDATION REINFORCING - 4" GRANULAR FILL SEE STRUCTURAL DRAWINGS FOR CONC. FOUNDATION REINFORCING I'-6" X I'-6" CONC. TRENCH FOOTING 1'-6"

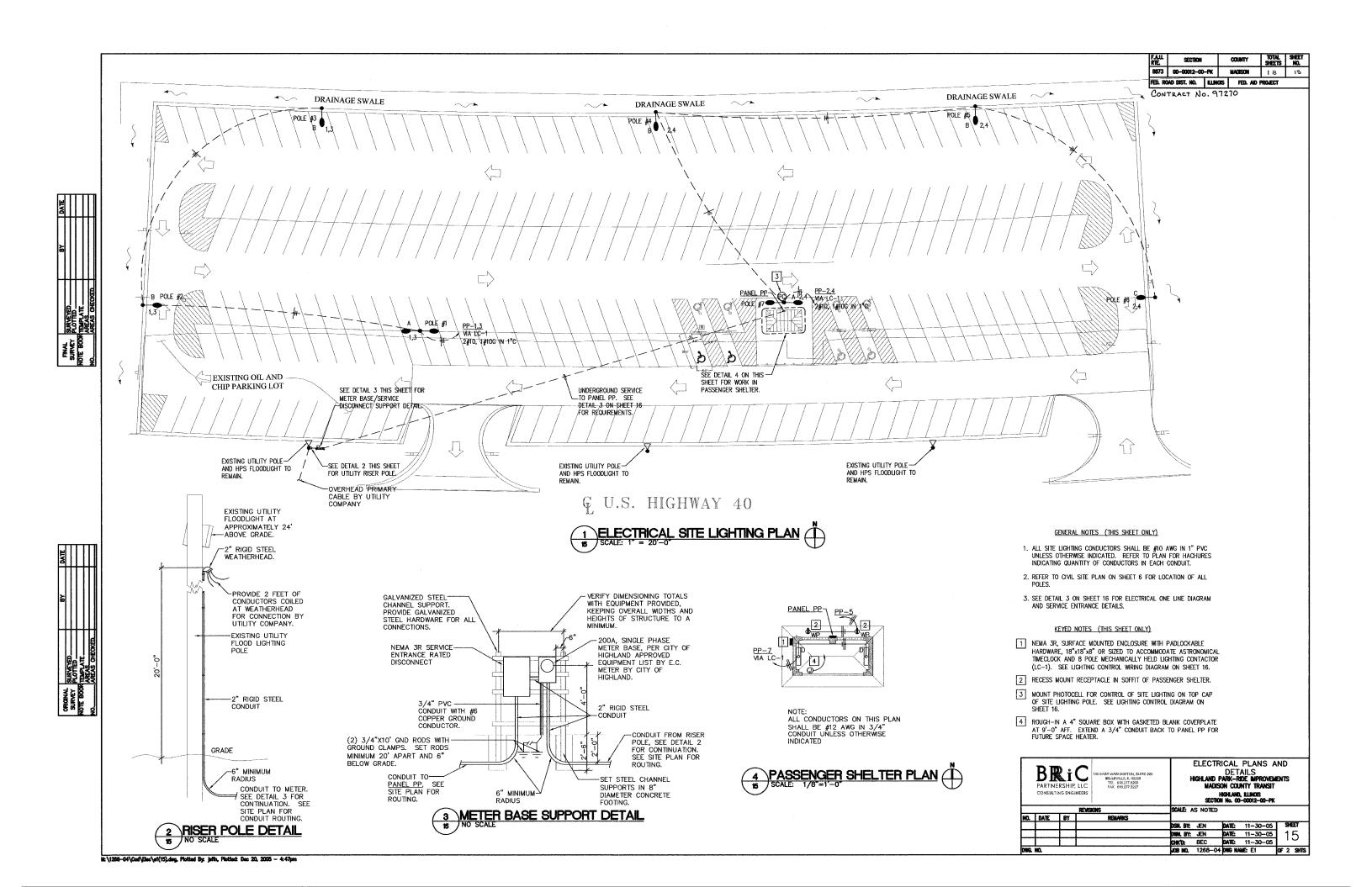
5/8\* PLYMD, ROOF SHEATHING

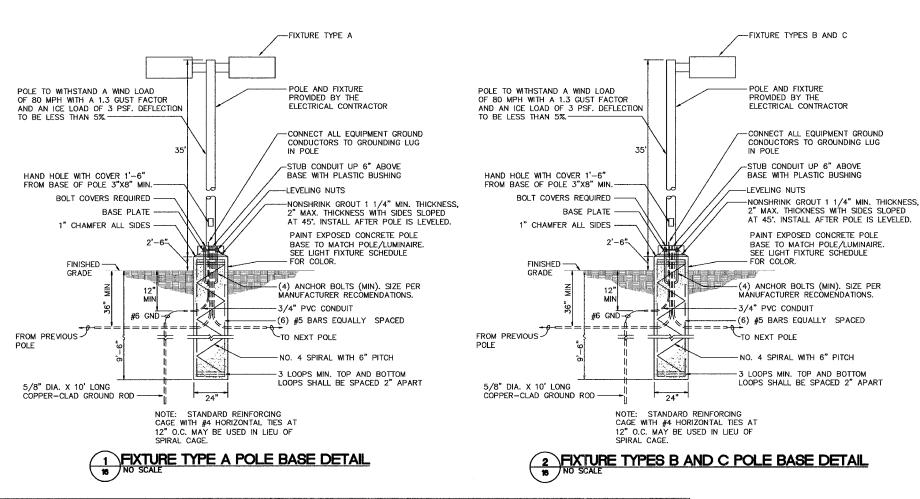
PILASTER WALL SECTION

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

BUILDING SECTION SCALE: 3/4" = 11-0"

	11		SON sociales HIECTS Inc.	211 E. VANDALIA EDWARDSVILLE ILLINOIS 62025 618.656.6618 fox 618.656.3899	Н	GHLAND I MADIS	& BUILDING PARK-RIDE SON COUNT HIGHLAND, ILL IN No. 00-00	IMPROVEN TRANSIT INOIS	ENTS
			REVISIONS		SCALE: 3	/4" = 1'-(	D*		
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-					CHK'D:	RMS	DATE:	11-18-05	1 '*
DWG.	NO.				JOB NO.	2443C	DWG NAME:	2443C	OF 18 SHTS





LIGHT FIXTURE SCHEDULE TYPE OPT. MANUFACTURER & CATALOG No. VOLTAGE DESCRIPTION & REMARKS LAMPS MOUNTING 2 FIXTURES, TYPE 3 DISTRIBUTION AT 180 STERNER LIGHTING EXEC/RT25/400MH/3S/240/C/28/FL/NS (2) 400W MH POLE DEGREES. MOUNT ON A 35' SQUARE TAPERED STEEL POLE. NOTES 1 AND 3.

TYPE 2 DISTRIBUTION. MOUNT ON A 35' SQUARE 1 STERNER LIGHTING EXEC/RT25/400MH/2S/240/C/10/FL/NS (1) 400W MH | POLE TAPERED STEEL POLE. NOTES 2 AND 3. TYPE 3 DISTRIBUTION. MOUNT ON A 35' SQUARE TAPERED STEEL POLE. NOTES 2 AND 3. 1 STERNER LIGHTING EXEC/RT25/400MH/3S/240/C/10/FL/NS (1) 400W MH HIGH ABUSE VANDAL RESISTANT LINEAR FLUORESCENT WALL MOUNTED FIXTURE. MOUNT WALL SURFACE KENALL MLHA8-48-F-MW-CP-2-32-PB8-1-120 (2) 32W T8 3500 K AT 8'-8" AFF TO CENTER OF FIXTURE.

SITE LIGHTING CONTACTOR SCHEDULE

CIRCUITS

PP-1,2,3,4,7

3 SPARE

REMARKS

### LIGHT FIXTURE SCHEDULE NOTES

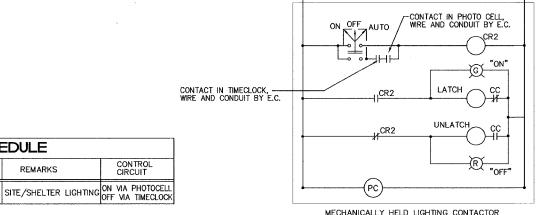
- 1. PROVIDE STERNER STS35/7"X3.75"/0.120"/28/NS
- 2. PROVIDE STERNER STS35/7"X3.75"/0.120"/10/NS
- 3. PAINT ON FIXTURE AND POLE SHALL BE SHERWIN WILLIAMS SW6475 "COUNTRY SQUIRE" OR APPROVED EQUAL.

CONTACTOR

NAME

AMPS

8/30

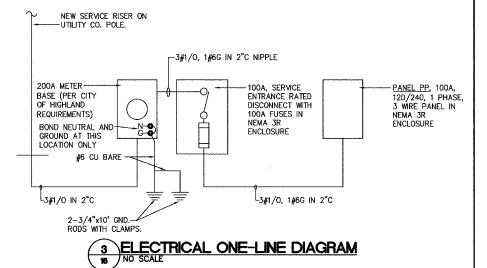


MECHANICALLY HELD LIGHTING CONTACTOR ALL WIRING SHALL BE #12 U.N.O.

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

CONTRACT No. 97270

PANEL	NO: PP (NEMA 3R)							22000 AIC
VA	FUNCTION	SIZE	СКТ	PH	скт	SIZE	FUNCTION	VA
930	PARKING LOT LIGHTS	20A/2P	1	Α	2	20A/2P	PARKING LOT LIGHTS	1163
930			3	В	4			1163
360	GFI RECEPTACLES	20A/1P	5	Α	6	30A/2P	FUTURE HEATER	2500
124	PASSENGER SHELTER LTG	20A/1P	7	В	8			2500
	SPARE	20A/1P	9	Α	10	20A/1P	SPARE	
	SPARE	20A/1P	11	В	12	20A/1P	SPARE	
	SPARE	20A/1P	13	Α	14	20A/1P	SPARE	
***	SPARE	20A/1P	15	В	16	20A/1P	SPARE	
	SPARE	20A/1P	17	Α	18	20A/1P	SPARE	
	SPARE	20A/1P	19	В	20	20A/1P	SPARE	
VOLTAN PHASE MAINS:	4953 4	B 717 POLES:	20 PO		OTAL 967 NS	S VOL-	IS: 240V/120, 10, 3W NTING: SURFRCE	



# 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.

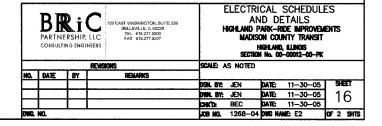
GFI DUPLEX RECEPTACLE WITH WEATHERPROOF COVERPLATE

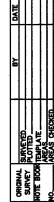
ELECTRIC SERVICE METER

ELECTRIC PANEL. SEE PLAN FOR DESCRIPTION.

PHOTOCELL

JUNCTION BOX





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

 F.A.U. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
8873 00-00012-		J-PK		MADISON	18	17
FED. ROAD DIST. NO.			LLINOIS FED. /		ROJECT	

CONTRACT NO. 97270

### GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE DRAWINGS AND REPORT ANY DISCREPANCY TO THE ARCHITECT.
- SEE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ANY FLOOR AND ROOF DPENINGS, TRENCHES, PITS, PIPE SLEEVES, CHAMFERS, ANCHORS, MISCELLANEOUS STEEL ETC. WHICH WILL BE REQUIRED.
- COST OF FURNISHING ALL LABOR, AND MATERIALS NECESSARY AND REQUIRED TO SATISFACTORILY COMPLETE THE VORK FOR THE PASSENGER SHELTER AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS SHALL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR "PASSENGER SHELTER," PER LUMP SUM.

### CODES AND STANDARDS

BUILDING: 2003 INTERNATIONAL BUILDING CODE

CONCRETE: 1. FOR REINFORCED CONCRETE - ACI LATEST EDITION
2. FOR CONCRETE MASSINRY STRUCTURES ACI 531 - LATEST EDITION
3. CRSI HANDBOUK
4. CONCRETE DETAILS - DESIGN, DETAILING FABRICATION AND ERECTION SHALL
COMPLY WITH THE ACI "MANUAL DE STANDARD PRACTICE FOR DETAILING
REINFORCED CONCRETE" AND "SPECIFICATION FOR STRUCTURAL CONCRETE FOR
BUILDINGS

STRUCTURAL STEEL: AISC 'SPECIFICATIONS FOR DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS' - LATEST EDITION.

WELDING: AMERICAN WELDING SUCIETY (AWS) "STRUCTURAL WELDING CODE"

COLD FORMED STEEL: AISI "SPECIFICATIONS FOR THE DESIGN OF COLD - FORMED STEEL STRUCTURAL MEMBERS" - LATEST EDITION

## DESIGN LOADS

DESIGN LOADS

FLOOR LIVE LOADS: SLAB ON GRADE	=	125 PSF
ROOF LIVE LOAD	=	20 PSF
RDDF SNDW LDAD; GROUND SNDW LDAD (PG) SNDW EXPOSURE FACTOR (CE) SNDW LDAD IMPORTANCE (D) RDDF THERMAL FACTOR (CT)	=	20 PSF 0.9 1.0 1.2
WIND LOAD: BASIC WIND SPEED (3 SECOND GUST) EXPOSURE C WIND LOAD IMPORTANCE (1)		90 MPH 1.0
EARTHQUAKE LDAD SEISMIC USE GROUP I SPECTRAL RESPONSE COEFFICIENT S DS S DI SITE CLASS C BASIC SEISMIC FORCE RESISTING SYSTEM MOMENT FRAME ANALYSIS PROCEDURE	Ξ	0.48 0.19  EQUIVALENT LATERAL FORCE PROCEDURE
HIGH 1919 I MUCEDONE		EXCLUSION ENTERNIE LANGE LINGEROUS

### FOUNDATIONS

- THE FÜUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT PREPARED BY QUALITY TESTING AND ENGINEERING, INC. DATED OCTOBER 12, 2005 AND ADDENDUM DATED NOVEMBER 25, 2005.
- FOOTINGS SHALL BEAR ON UNDISTURBED EXISTING FILL MATERIAL OR NEWLY PLACED LEAN CONCRETE IN ACCORDANCE WITH THE ABOVE REFERENCED GEOTECHNICAL REPORT CAPABLE OF SUSTAINING A NET ALLOWABLE BEARING PRESSURE OF 2,500 PSF, UNDER FULL SERVICE AND DEAD LOADS.
- 3. ALL BEARING MATERIAL FOR SUPPORTING FOOTINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THEIR CONSTRUCTION. THE GEOTECHNICAL ENGINEER SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. THE CONTRACTOR SHALL NOTIFY THE OWNER (3) VORKING DAYS IN ADVANCE FOR INSPECTION BY THE GEOTECHNICAL ENGINEER.
- 4. DO NOT BACKFILL UNTIL CONCRETE HAS REACHED ITS 28 DAY STRENGTH.

### CONCRETE AND REINFORCING

- REINFORCED CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- 2. ALL REINFORCING STEEL SHALL BE GRADE 60, 60,000 PSI YIELD POINT DEFORMED BARS IN ACCORDANCE WITH THE LATEST ASTM SPECIFICATIONS.
- 3. MINIMUM CONCRETE PROTECTION. SEE TABLE BELOW

	<u>ITEMS</u>	MINIMUM COVER (IN
A.	CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
В.	CONCRETE EXPOSED TO EARTH WEATHER OR SEWERAGE #6 THRU #19 BARS #5 BARS OR SMALLER	2 1/2 2
C.	BEAMS AND COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, OR SPIRALS	1 1/2
В.	CONCRETE NOT EXPOSED TO WEATHER, SEWAGE OR IN CONTACT WITH GROUND #14 AND #18 BARS #11 BAR AND SMALLER	1 1 1/2

- ALL REINFORCING BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS BOTH WAYS. ALL BAR DOWELS AND ANCHOR BOLTS MUST BE POSITIONED BEFORE CONCRETE IS PLACED.
- 5. ALL REINFORCING BARS ARE TO BE DETAILED AND PLACED IN ACCORDANCE WITH THE ACT "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES". SHRINKAGE AND TEMPERATURE STEEL SHALL HAVE A MINIMUM 30 BAR DIAMETER LAP. BASIC SPLICE LENGTHS SHALL BE TYPE C FOR CONCRETE COMPRESSIVE STRENGTH OF 4000 PSI.
- 6. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
- 7. PROVIDE CONSTRUCTION JOINTS OR CONTROL JOINTS IN THE SLAB ON GRADE AS SHOWN ON THE PLANS.

### CONSTRUCTION AND CONTROL JOINTS

- 1. CONSTRUCTION JOINTS SHALL BE LOCATED NEAR THE CENTER OF SPANS OF SLABS, BEAMS OR GRIDERS EXCEPT AT INTERSECTIONS OF BEAMS OR GRIDERS, IN VHICH CASE JOINTS SHALL BE OFFSET A DISTANCE EQUAL TO TWICE THE WIDTH OF THE BEAM AND PROVISIONS SHALL BE MADE FOR TRANSFER OF SHEAR AND OTHER FORCES THROUGH THE CONSTRUCTION JOINT UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- 2. REINFORCING STEEL SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS
- WHERE A JOINT IS MADE, THE SURFACE OF THE CONCRETE SHALL BE ROUGHENED, THORQUGHLY CLEANED AND ALL LAITANCE REMOVED. IN ADDITION, VERTICAL JOINTS SHALL BE THORQUGHLY VETTED AND SLUSHED WITH A COAT OF NEAT CEMENT GROUT IMMEDIATELY BEFORE PLACING NEW CONCRETE.
- SLABS ON GRADE OR NON-STRUCTURAL SLABS SHALL HAVE CONTROL JOINTS IN BOTH DIRECTIONS SPACED AT NOT MORE THAN 10'-0' ON CENTER. ISLIGATION JOINTS SHALL BE PROVIDED AROUND COLUMNS AND AT INTERSECTIONS OF SLABS AND VALLS. CONTROL JOINTS SHALL BE PROVIDED ON EXPOSED SURFACES OF VALLS, SPACED AT NOT MORE THAN 25'-0' ON CENTER.

### MASONRY

- ALL CONCRETE BLOCK MASONRY SHALL CONFORM TO ASTM C90 FOR NORMAL WEIGHT (135PCF) BLOCK WITH MINIMUM NET AREA COMPRESSIVE STRESS OF 1900 PSI.
- 2. ALL MASONRY WALLS SHALL HAVE TRUSS TYPE HORIZONTAL JOINT REINFORCEMENT WITH TWO V 1.7 SIDE RODS, SPACE HORIZONTAL REINFORCEMENT AT 16' D.C. VERTICALLY.
- 3. ALL REINFORCING SHALL BE SECURED IN PLACE AND INSPECTED BEFORE GROUTING.
- 4. ALL BOND BEAMS SHALL BE GROUTED SOLID AND HAVE 2- #5 CONTINUOUS BARS UNLESS OTHERWISE NOTED. HORIZIDITAL BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS AROUND ALL CORNERS OF THE STRUCTURE. REINFORCEMENT SHALL BE DETAILED AND PLACED TO PROVIDE PROPER ANCHORAGE WITH HOUSE OR BENDS.
- 5. ALL BOLTS, ANCHORS, ETC. INSERTED INTO THE MASONRY WALLS SHALL BE HOT-DIPPED GALYANIZED AND SOLIDLY GROUTED IN PLACE.
- 6. FILL CELLS WITH GROUT AT ALL BOND BEAMS, REINFORCED PILASTERS, AND FOR 3 COURSES UNDER BEARING OF LINTELS AND BEAMS, UNLESS NOTED OTHERWISE.
- VERTICAL REINFORCING STEEL SHALL HAVE A MINIMUM CLEARANCE OF 3/4" FROM THE MASONRY.
- 8. ALL REINFORCING STEEL FOR THE MASONRY SHALL BE GRADE 60, 60,000 PSI YIELD POINT DEFORMED BARS IN ACCORDANCE WITH THE LATEST ASTM SPECIFICATIONS.

### SPLIT FACE CONCRETE MASONRY UNITS

- 1, 8'x8'x16' MODULAR SIZE SPLIT FACE LDAD BEARING CONCRETE MASDNRY UNITS FOR EXTERIOR USE AS SELECTED BY OWNER FROM MANUFACTURE'S STANDARD.
- INSTALL IN RUNNING BOND, FORM VERTICAL AND HORIZONTAL JOINTS OF UNIFORM THICKNESS.
- 3. PROVIDE MATCHING CORNER, BOND BEAMS, LINTEL, INFILL, ETC. CONCRETE MASONRY UNIT PLACES AS REQUIRED.
- MORTAR FOR REINFORCED MASDNRY: ASTM C270, TYPE S USING THE PROPERTY METHOD. COLOR SELECTED BY DWNER. CONCAVE MORTAR JOINTS.
- 5. REINFORCING STEEL: ASTM A615, 60 KS1 YIELD GRADE, DEFORMED BILLET STEEL BARS.
- 6. HORIZONTAL REINFORCING TRUSS TYPE, HOT DIPPED GALVANIZED COLD DRAWN STEE CONFORMING TO ANSI/ASTM A82, %6" SIDE RODS WITH NO. 9 CROSS TIES, AT 16" D.C.
- 7. INSTALL EXPANSION AND CONTROL JOINTS AS REQUIRED BY STANDARD MASONRY PRACTICE. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.

### STANDARD CONCRETE MASONRY UNITS

- 8'x8'x16' MODULAR SIZE CONCRETE MASONRY UNITS, ASTM C90, GRADE N, TYPE 1 -MOISTURE CONTROLLED, NORMAL WEIGHT.
- INSTALL IN RUNNING BOND, FORM VERTICAL AND HORIZONTAL JOINTS OF UNIFORM THICKNESS.
- 3. PROVIDE MATCHING CORNER, BOND BEAMS, LINTEL, INFILL, ETC. CONCRETE MASCHRY UNIT PIECES AS REQUIRED.
- 4. MORTAR FOR REINFORCED MASONRY: ASTM C270, TYPE S USING THE PROPERTY METHOD. COLOR SELECTED BY OWNER. CONCAVE MORTAR JOINTS.
- 5. REINFORCING STEEL: ASTM A615, 60 KSI YIELD GRADE, DEFORMED BILLET STEEL BARS.
- 6. HORIZONTAL REINFORCING TRUSS TYPE, HOT DIPPED GALVANIZED COLD DRAWN STEEL CONFORMING TO ANSI/ASTM A82, 36' SIDE RODS WITH NO. 9 CROSS TIES, AT 16' D.C.
- INSTALL EXPANSION AND CONTROL JOINTS AS REQUIRED BY STANDARD MASUNRY PRACTICE, VERIFY LOCATIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.

### GROUT MIXES

- 2. REFER TO DRAWINGS FOR LOCATION OF GROUTED MASONRY WALLS
- 3. GROUT LIFT HEIGHTS SHALL BE LIMITED TO 5 FEET. A LIFT OF GROUT SHALL BE PERMITTED TO SET FOR MORE THAN 2 HOURS PRIOR TO PLACING ANY SUBSEQUENT LIFTS.

### STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL SHALL BE ASTM A-36, FY=36,000 PSI YIELD PUINT DR GREATER.
- 2. ALL STRUCTURAL STEEL SHALL BE PROPERLY GUYED AND BRACED UNTIL THE COMPLETE FLOOR AND ROOF FRAMING IS COMPLETED.
- ALL BOLTS CONNECTIONS SHALL BE DESIGNED FOR LOADS BASED UPON AISC LOAD SPAN TABLES USING 3/4" ROUND A-325 HIGH STRENGTH BOLT, UNLESS OTHERWISE NOTED.
- SEE MECHANICAL DRAWINGS FOR ANY ROOF OPENINGS, PIPE SLEEVES, ETC. WHICH WILL BE REQUIRED.
- 5. ALL TESTING OF WELDS SHALL CONFORM TO THE ANSI/AWS SPECIFICATIONS FOR ULTRASONIC TESTING.
- ALL BEAMS BEARING ON MASONRY SHALL HAVE 8" MINIMUM BEARING ON REINFORCED PILASTERS.
- 7. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A-307, AND SHALL BE HUT-DIPPED GALVANIZED.
- 8. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS
- 9. ALL STEEL SHALL BE PRIMED AND PAINTED.

## FRAMING WOOD

- 1. ALL FRAMING WOOD SHALL BE NO. 2 SOUTHERN PINE (SPF) OR BETTER.
- 2. ALL NAILING & FASTENING SHALL BE IN ACCORDANCE WITH THE 2003 IBC CODE FASTENING SCHEDULE, TABLE 2304.9.1, UNLESS NOTED OTHERWISE.
- 3. PROVIDE SIMPSON STRONG TIE CONNECTORS, JOIST HANGERS ETC. AS INDICATED ON DRAWINGS.
- 4. ALL WOOD IN CONTACT WITH CONCRETE, MASONRY AND FOR EXTERIOR USE SHALL BE WOLMANIZED (PRESERVATIVE PRESSURE TREATED)
- 5. BUILDING PAPER: 15# BUILDING PAPER

### PREFABRICATED WOOD TRUSS OPTION

IF THE CONTRACTOR CHOOSES TO USE PREFABRICATED WOOD TRUSSES, THE FOLLOWING NOTES SHALL APPLY:

- 1. DESIGN OF WOOD TRUSSES IS THE SOLE RESPONSIBILITY OF THE MANUFACTURER, FABRICATION AND DESIGN SHALL MEET THE FOLLOWING CRITERIA (LATEST EDITIONS)
  - 1. "NATIONAL DESIGN SPECIFICATION" BY THE NATIONAL FOREST PRODUCTS ASSOCIATION. 2. "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED VOOD TRUSSES" BY THE TRUSS
  - PLATE INSTITUTE.

    3. 'TIMBER CONSTRUCTION MANUAL' BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
- 2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS THAT HAVE BEEN SEALED BY A LICENSED STRUCTURAL ENGINEER FOR THE STATE OF ILLINDIS FOR REVIEW. DRAWINGS SHALL SHOW THE DESIGN LOBDS, MEMBER STRESSES, AND MEMBER DESIGNS. THE CONTRACTOR SHALL ALSO PROVIDE AN ERECTION DRAWING ALONG WITH THE SHOP DRAWINGS.
- 3. ERECTION AND TEMPORARY BRACING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE COST FOR FURNISHING AND INSTALLING THIS BRACING SHALL BE INCLUDED IN THE CONTRACTORS BID. BRACING REQUIREMENTS SHALL MEET THE TRUSS PLATE INSTITUTES PUBLICATION BVT-76, "BRACING VOID TRUSSES: COMMENTARY AND RECOMMENDATIONS.
- 4. TRUSSES SHOWN ARE FOR SCHEMATIC AND DIMENSIONS ONLY. THE MANUFACTURE SHALL DETERMINE THE WEB CONFIGURATION, MEMBER SIZE, MEMBER STRESSES AND LUMBER GRADES.
- 5. WOOD ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS:

  1. TOP CHORD LIVE LOAD = 20 POUNDS PER SQUARE FOOT

  2. TOP CHORD DEAD LOAD = 16 POUNDS PER SQUARE FOOT

  3. BOTTOM CHORD DEAD LOAD = 10 POUNDS PER SQUARE FOOT
- 6. CAMBER TRUSSES FOR THE DEAD LOAD PLUS 1/2 OF THE LIVE LOAD.
- 7. SEE THE ARCHITECTURAL DRAWINGS FOR ROOF FRAMING.

### GUTTERS AND DOWN SPOUTS

1. VERIFY LOCATION AND CONNECTION OF ALL DOWN SPOUTS WITH ARCHITECTURAL DRAWINGS.

### MISCELLANEOUS

- DIMENSION VERIFICATION VERIFY DIMENSIONS OF OPENINGS IN FLOORS, RODES, WALLS, AND ASSOCIATED SURROUNDING FRAMING AND ANCHOR BOLT SIZES AND LOCATIONS WITH ANY MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED FOR THE PROJECT.
- FOR OPENING SLEEVES, BLOCK DUTS AND EMBEDDED ITEMS, NOT SHOWN ON THE STRUCTURAL DRAWTHOS, REFER TO THE ARCHITECTURAL, MECHANICAL, CIVIL, AND ELECTRICAL DRAWTHOS.
- SEE THE ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, AND SPECIFICATIONS FOR TYPES AND LOCATIONS OF FLOOR AND WALL FINISHES.
- 4. ALL GROUT SHALL BE NONMETALLIC, NON-SHRINK GROUT INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS.
- 5. THE GRANULAR BASE COURSE SHALL BE APPROVED BY THE ARCHITECT
- 6. ALL COLUMNS AND FOOTINGS ARE CENTERED ON COLUMN LINES, EXCEPT WHERE OTHERWISE SHOWN ON THE PLANS OR SECTIONS.
- DURING CONSTRUCTION OPERATIONS, TEMPORARY BRACING AND/OR SHORING SHALL BE PROVIDED WHEREVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING EQUIPMENT AND THE OPERATION OF SAME. SUCH BRACING AND/OR SHORING SHALL BE LEFT IN PLACE AS LONG AS MAY BE DECULEDED. FOR SAME
- 8, NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- 9. NO CHANGE IN SIZES OR DIMENSIONS OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- 10. DPENING'S 1'-0' AND LESS ON THE ROOF ARE GENERAL NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH DEPANISS.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON THE STRUCTURAL FRAMING AND LOAD BEARING WALLS. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF STRUCTURAL ELEMENTS AT ANY TIME DURING THE CONSTRUCTION.
- 12. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS.
- 13. THE CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL FLEMENTS DURING THE CONSTRUCTION PERIOD. EXPANSION JOINTS SHOWN ON THE DRAVINGS HAVE BEEN DESIGNED TO ACCOMMODATE ANTICIPATED THERMAL MOVEMENT AFTER THE BUILD DINK: YS CHAPLE FOR THE BUILD DINK: YS CHAPLE FOR THE STRUCTURE OF T
- 14. THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESEPONSIBILITY FOR SUCH DEVIATION BY THE ARCHITECT'S APPROVAL OF THE SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT OF SUCH DEVIATIONS AT THE TIME OF SUBMISSION, AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- 15. ALL ITEMS WHICH IN THE DEINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, DMISSIONS, CONTRADICTIONS OR AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS, SHALL BE BEOUGHT TO THE ATTENTION OF THE ARCHITECT. PLANS AND/OR SPECIFICATIONS WILL BE CORRECTED, OR WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY MISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE ARCHITECT BEFORE THE EFFECTED WORK PROCEEDS.



