

GENERAL INDEX

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① 10-10-06

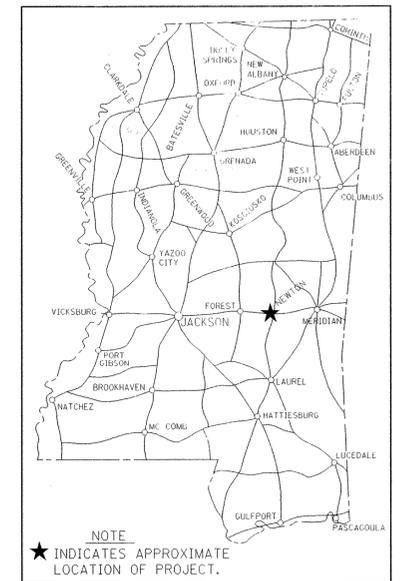
STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**EMERGENCY GENERATOR
FOR DISTRICT FIVE HEADQUARTERS
AT NEWTON
STATE PROJECT NO. BWO-5001-51(008)
501640/301000**

NEWTON COUNTY

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1



DESIGN CONTROL

MPH = V (SPEED DESIGN)

ADT () = : ADT () =

DHV = : D = % T = %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	N	N
NATIONWIDE (OTHER)*	N	N
GENERAL*	N	N
INDIVIDUAL (404)*	N	N

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

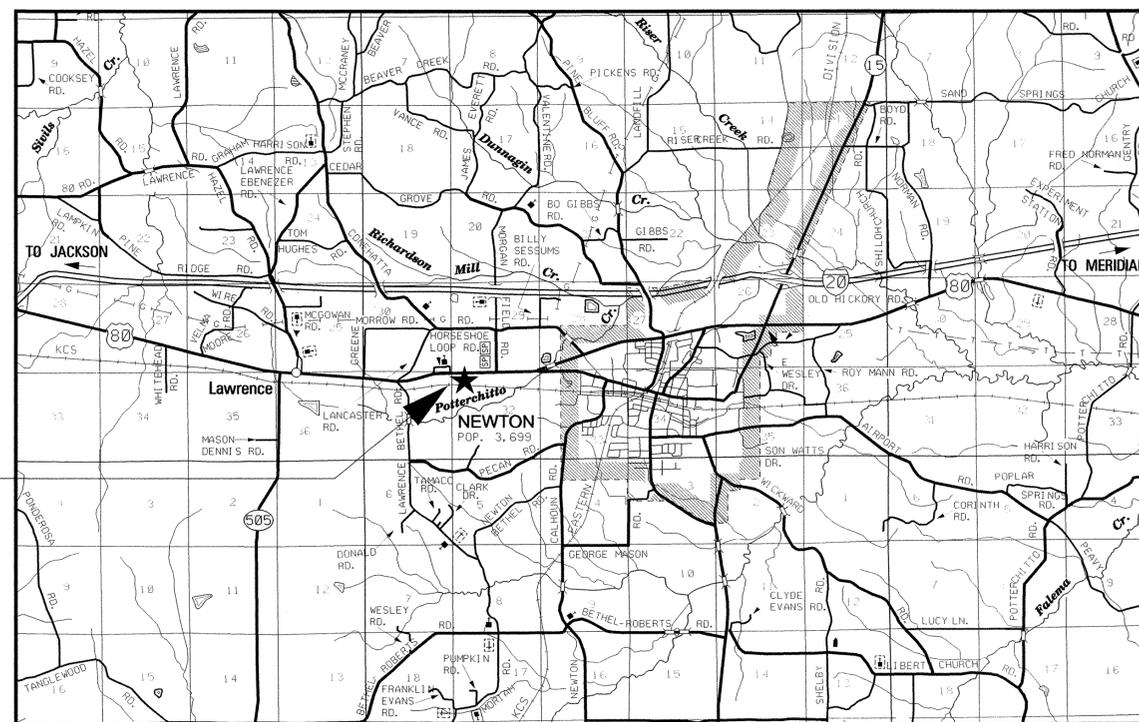
STORMWATER PERMIT N

Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES + INTB 6484)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES/INTB 6483)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: *[Signature]* DATE: 10-9-06



**DISTRICT OFFICE
7759 HWY 80W**

CONVENTIONAL SYMBOLS

- COUNTY LINE
- TOWN CORPORATION LINE
- SECTION LINE
- EXISTING ROAD OR TRAVELED WAY
- EXISTING DIVIDED HIGHWAY
- RAILROAD
- SURVEY LINE
- BRIDGES

TITLE ROADWAY DESIGN DIVISION C.A.D.D. SECTION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:	<i>[Signature]</i> ASU
CHIEF ENGINEER	10/9/06 DATE
EXECUTIVE DIRECTOR	10-09-06 DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
APPROVED:	
DIVISION ADMINISTRATOR	DATE
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION	

ELECTRICAL ABBREVIATIONS

A	AMPERES
ABS	ABOVE BACK SPLASH
AC	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CAPACITY (MIN)
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
ANN	ANNUNCIATOR
BLDG	BUILDING
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CAT	CATALOG
CATV	CABLE TELEVISION
CKT	CIRCUIT
CONT	CONTINUATION
CR	CARD READER
CT	CABLE TRAY
DD	DUCT DETECTOR
DIA	DIAMETER
DIM	DIMENSION
DP	DISTRIBUTION PANEL
DWG	DRAWING
EA	EACH
EC	EMPTY CONDUIT
EDF	ELECTRIC DRINKING FOUNTAIN
ELEC	ELECTRICAL
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE RESISTOR
EQUIP	EQUIPMENT
F	FUSED
FA	FIRE ALARM
FIN	FINISH
FIX	FIXTURE
FIXT	FIXTURE
FLUOR	FLUORESCENT
GFI	GROUND FAULT INTERRUPTER
GRND	GROUND
GND	GROUND
HP	HORSEPOWER
HT	HEIGHT
IF	INSIDE FROST
IG	ISOLATED GROUND
ILLUM	ILLUMINATION
INCAN	INCANDESCENT
J	JUNCTION
KVA	KILO-VOLT-AMPERE
KW	KILOWATT
LAHJ	LOCAL AUTHORITY HAVING JURISDICTION
LGT	LIGHT
M	METER
MATV	MASTER ANTENNA TELEVISION
MAX	MAXIMUM
MCM	THOUSAND CIRCULAR MILS
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MPC	MINI POWER CENTER
MTD,MTG	MOUNT (ED),(ING)
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POLE
PB	PULL BOX
PC	PHOTO CELL
PMS	PROPERTY MANAGEMENT SYSTEM
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RS	RAPID START
RSC	RIGID STEEL CONDUIT
QTY	QUANTITY
QLTY	QUALITY
SCHED	SCHEDULE
SD	SMOKE DAMPER
SM	SIMILAR
S/S	STAINLESS STEEL
SPST	SINGLE POLE SINGLE THROW
T	TRANSFORMER
TG	TRAY CABLE
TBB	TELEPHONE BACKBOARD
TEL	TELEPHONE
TELE	TELEPHONE
TM	TV MONITOR
TYP	TYPICAL
TV	TELEVISION
UL	UNDERWRITER LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT-AMP
W	WATTS
WP	WEATHERPROOF
WW	WARM WHITE
XFMR	TRANSFORMER

ELECTRICAL SYMBOL LEGEND

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS SHOWN MAY NOT APPEAR ON DRAWINGS.

SYMBOL	DESCRIPTION	MTG.HT.	SYMBOL	DESCRIPTION	MTG.HT.
DISTRIBUTION					
	HOMERUN TO PANEL. ARROWHEADS INDICATE CIRCUITS. EXAMPLE GIVEN SHOWS HOME RUN TO PANEL "X" WITH CIRCUITS 1,3, AND 5.			NON-FUSED DISCONNECT SWITCH WITH GROUND LUG	
	RACEWAY INSTALLED CONCEALED IN WALL AND/OR ABOVE CEILING			FUSED DISCONNECT SWITCH WITH GROUND LUG - # INDICATES FUSE SIZE	
	RACEWAY INSTALLED CONCEALED IN SLAB OR BELOW GRADE			MAGNETIC MOTOR STARTER	
	RACEWAY INSTALLED EXPOSED			COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECTING MEANS	
	FLEXIBLE METAL CONDUIT (6"-0" MAX LENGTH)			BUS PLUG	
	CONDUIT UP / CONDUIT DOWN			MANUAL MOTOR STARTING SWITCH - W/OVERLOAD PROTECTION	
	CONDUIT TERMINATION (STUB-OUT)		COMMUNICATIONS		
	GROUND PER NEC ARTICLE 250			SQUARE AROUND OUTLET INDICATES: OUTLET MOUNTED IN FLOOR BOX	
	120/208 OR 120/240 VOLT PANELBOARD, FLUSH / SURFACE MOUNTED			TELEPHONE OUTLET - 3/4\"/>	18" UON
	277/480 VOLT PANELBOARD, FLUSH / SURFACE MOUNTED			TELEPHONE OUTLET - 3/4\"/>	44" UON
	UNDERFLOOR DUCT, SEE SPECS			DATA OUTLET - 3/4\"/>	18" UON
	JUNCTION BOX, =WALL =CEILING =FLOOR			DATA OUTLET - 3/4\"/>	44" UON
	DRY TYPE TRANSFORMER			DBL. TELE/DATA OUTLET - 1\"/>	18" UON
	METER BASE			DBL. TELE/DATA OUTLET - 1\"/>	44" UON
RECEPTACLES					
	SQUARE AROUND OUTLET INDICATES: OUTLET MOUNTED IN FLOOR BOX		MISCELLANEOUS		
	SINGLE RECEPTACLE OUTLET - HUBBELL #5361	18" UON		TELEVISION (CATV) OUTLET - =WALL (HT. AS NOTED) =CEILING MOUNT	
	SINGLE RECEPTACLE OUTLET - HUBBELL #5361	44" UON		SPEAKER - =WALL MOUNT(12" BELOW CLG.) =CEILING MOUNT	
	DUPLEX RECEPTACLE OUTLET - HUBBELL #5362	18" UON		INTERCOM SPEAKER W/TALK-BACK MICROPHONE =WALL =CEILING	
	DUPLEX RECEPTACLE OUTLET - HUBBELL #5362	44" UON		CONNECTION TO FAN	
	QUADRUPLEX RECEPTACLE OUTLET - (2)-5362	18" UON		CONNECTION TO MOTOR	
	QUADRUPLEX RECEPTACLE OUTLET - (2)-5362	44" UON		PHOTOELECTRIC CELL	
	G.F.C.I. DUPLEX RECEPTACLE OUTLET - HUBBELL #GF5362	18" UON		CONTACTOR - IDENTIFIED BY NO. - POLES AND RATING SHOWN ON PLANS	
	G.F.C.I. DUPLEX RECEPTACLE OUTLET - HUBBELL #GF5362	44" UON		TIME SWITCH - AS INDICATED ON PLANS	
	DUPLEX RECEPTACLE OUTLET, BOTTOM SWITCHED - HUBBELL #5362	18" UON		PUSH BUTTON SWITCH	48" UON
	DUPLEX RECEPT. OUTLET ON EMERGENCY CIRCUIT - HUBBELL #5362RDB	18" UON		CLOCK OUTLET - MOUNT TOP OF CLOCK 6" FROM CEILING HEIGHT UON	
	SPECIAL PURPOSE RECEPTACLE OUTLET, VOLTAGE AND NEMA CONFIGURATION AS PER NAME PLATE DATA ON EQUIPMENT TO BE CONNECTED OR AS INDICATED ON PLANS	18" UON		MAGNETIC DOOR LOCK DEVICE	
LIGHTING SWITCHES					
	SINGLE POLE SINGLE THROW TOGGLE SWITCH - HUBBELL #1221	48" UON		DOORBELL - WALL MOUNTED	84" AFF
	DOUBLE POLE DOUBLE THROW TOGGLE SWITCH - HUBBELL #1222	48" UON		TELEPHONE OR DATA - PLYWOOD BACKBOARD	
	THREE-WAY TOGGLE SWITCH - HUBBELL #1223	48" UON		MULTIOUTLET RACEWAY ASSEMBLY, SEE SPECS	
	FOUR-WAY TOGGLE SWITCH - HUBBELL #1224	48" UON		CABLE TRAY, SEE SPECS	
	PILOT LIGHT SWITCH - LIGHTED HANDLE WHEN ON - HUBBELL #1221PL	48" UON	FIRE ALARM		
	FAN CONTROL SWITCH - HUBBELL #S11 OR #S13 (3-WAY)	48" UON		FIRE ALARM CONTROL PANEL - SEE SPECS	
	TIMER SWITCH - TORK #530M	48" UON		FIRE ALARM REMOTE ANNUNCIATOR - SEE SPECS	
	KEYED SWITCH - HUBBELL #1221L OR #1223L (3-WAY)	48" UON		SMOKE DAMPER CONNECTION - SEE SPECS	
	DIMMER SWITCH - SLIDE LEVER TYPE - SEE PLANS OR SPECS	48" UON		MANUAL PULL STATION - FIRE ALARM DEVICE, SEE SPECS	48" AFF
	THREE-WAY DIMMER SWITCH - SEE PLANS OR SPECS	48" UON		VISIBLE - FIRE ALARM DEVICE, SEE SPECS	84" AFF
LIGHTING					
	EXIT SIGN, CEILING / WALL MOUNTED. DIRECTIONAL ARROWS AND NUMBERS OF FACES AS INDICATED ON PLANS			AUDIBLE/VISIBLE - FIRE ALARM DEVICE, SEE SPECS	84" AFF
	EMERGENCY FIXTURE, SEE FIXTURE SCHEDULE			SMOKE DETECTOR - FIRE ALARM DEVICE, SEE SPECS	
	FLUORESCENT FIXTURE - LAY-IN OR RECESSED, SEE FIXT. SCHEDULE			HEAT DETECTOR (RATE OF RISE) - FIRE ALARM DEVICE, SEE SPECS	
	EMERGENCY FLUORESCENT FIXTURE, SEE FIXT. SCHEDULE			DUCT SMOKE DETECTOR - FIRE ALARM DEVICE, SEE SPECS	
	FLUORESCENT FIXTURE - SURFACE OR PENDANT MOUNT, SEE FIXT. SCHEDULE			FLOW SWITCH - FIRE ALARM DEVICE, SEE SPECS	
	FLUORESCENT STRIP FIXTURE - SURFACE MOUNTED, SEE FIXT. SCHEDULE			PRESSURE SWITCH - FIRE ALARM DEVICE, SEE SPECS	
	RECESSED CAN FIXTURE, GENERAL ILLUM. / WALL WASHER, SEE FIXT. SCHED.			SMOKE DETECTOR W/ELEVATOR RECALL - FIRE ALARM DEVICE, SEE SPECS	
	WALL MOUNTED FIXTURE, SEE FIXTURE SCHEDULE			MAGNETIC DOOR HOLD OPEN - FIRE ALARM DEVICE, SEE SPECS	
	LIGHT TRACK AND TRACK FIXTURES (QTY. AS SHOWN), SEE FIXT. SCHEDULE		NURSE CALL		
	SITE LIGHTING FIXTURE - POLE MOUNTED. NUMBER AND CONFIGURATION OF FIXTURES PER POLE AS SHOWN ON PLANS, SEE FIXT. SCHEDULE			MASTER STATION - NURSE CALL, SEE SPECS	
	DOMELIGHT - NURSE CALL, SEE SPECS			NURSE'S STATION CONSOLE - NURSE CALL, SEE SPECS	6" ABS
				STAFF STATION - NURSE CALL, SEE SPECS	48" UON
				DUTY STATION - NURSE CALL, SEE SPECS	48" UON
				BED STATION - NURSE CALL, SEE SPECS	36" UON
				EMERGENCY PULL STATION - NURSE CALL, SEE SPECS	36" UON
				CODE BLUE STATION - NURSE CALL, SEE SPECS	48" UON

GENERAL NOTES:

- THE ELECTRICAL WORK LISTED ON THESE SHEETS SHALL BE COORDINATED WITH WORK INDICATED ON ALL OTHER ELECTRICAL SHEETS, SCHEDULES, AND DIAGRAMS. WHERE CONFLICT EXISTS, SUBMIT REQUEST FOR INFORMATION TO THE ENGINEER FOR CLARIFICATION PRIOR TO BID. NO ALLOWANCES SHALL BE MADE FOR ANY ASSUMPTIONS MADE BY THE ELECTRICAL CONTRACTOR OR ANY SUBCONTRACTORS THAT ARE IN DIRECT CONFLICT WITH THE INTENT OF THESE PLANS.
- ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. REFER TO THE DRAWINGS OF THE RESPECTIVE SYSTEMS PRIOR TO SUBMISSION OF BIDS FOR ADDITIONAL WORK WHICH MAY BE REQUIRED AS PART OF THIS WORK. NO ALLOWANCES WILL BE MADE FOR THE LACK OF COORDINATION BETWEEN DISCIPLINES OR SYSTEMS AND EQUIPMENT.
- THE WORK SHALL BE COORDINATED WITH THE ENGINEERING DOCUMENTS FOR THE EXACT LOCATION OF LIGHT FIXTURES, EQUIPMENT, DEVICES, ETC. TO ASSURE PROPER PLACEMENT OF SAID DEVICES AND EQUIPMENT. WHERE A CONFLICT EXISTS BETWEEN ANY TWO DOCUMENTS, NOTIFY THE ENGINEER PRIOR TO ANY INSTALLATION FOR RESOLUTION.
- THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT BEING INSTALLED PRIOR TO INSTALLATION TO ASSURE THAT THE FEEDER, DISCONNECT, STARTER, OVERCURRENT PROTECTION, ETC. MATCHES THE ACTUAL NAMEPLATE DATA AS SUPPLIED BY THE MANUFACTURER. THIS SHALL BE DONE AT NO ADDITIONAL COST.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLANS IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ENGINEER.
- REFER TO EQUIPMENT CUT SHEETS AND MANUFACTURER'S DATA FOR ROUGH IN LOCATIONS OF ELECTRICAL CONNECTIONS AND INTERCONNECTIONS OF ALL EQUIPMENT.
- INSTALL OVER CURRENT PROTECTION AND BRANCH CIRCUIT WIRING PER U.L. LISTING REQUIREMENTS FOR EQUIPMENT SERVED - REFER TO NAMEPLATE DATA.
- PROVIDE START-UP ASSISTANCE TO OWNER PERSONNEL AND EQUIPMENT TECHNICIANS TO CONFIRM CORRECT PHASE ROTATION, PROPER OPERATION AND SEQUENCE, AND CONTROLS.
- CONTRACTOR SHALL COORDINATE ELEVATIONS AND PIPING SYSTEM SLOPES SUCH THAT DUCTWORK, PIPING, RACEWAY, CABLE TRAY, AND ASSOCIATED EQUIPMENT IS INSTALLED AT UNIFORM ELEVATIONS WITH MINIMAL OFFSET. PROVIDE COORDINATION DRAWING TO ENGINEER FOR REVIEW PRIOR TO EQUIPMENT ORDERS AND ROUGH-IN.

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
E0.1	ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES
E1.0	SITE PLAN - ELECTRICAL
E2.0	ELECTRICAL DETAILS

ASU	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION EMERGENCY GENERATOR FOR DISTRICT FIVE HEADQUARTERS AT NEWTON	
SITE PLAN - ELECTRICAL	
REVISION	BY
DATE	DATE
WORKING NUMBER BWO-5001-51(008) NEWTON COUNTY E0.1	
FILENAME: 062065E00.DWG SHEET NUMBER DESIGN TEAM HESM&A CHECKED BLV DATE 08/14/06 2	