PE 502352 /301000, PE 502353 /301000, PE 502400 /301000, PE 501560 /302000

STATE	PROJECT NO.	SHEET NO.
MISS.	LWO–9002–25(006), BWO–9030–25(002), BWO–9721–25(001), BWO–9041–25(001)	1

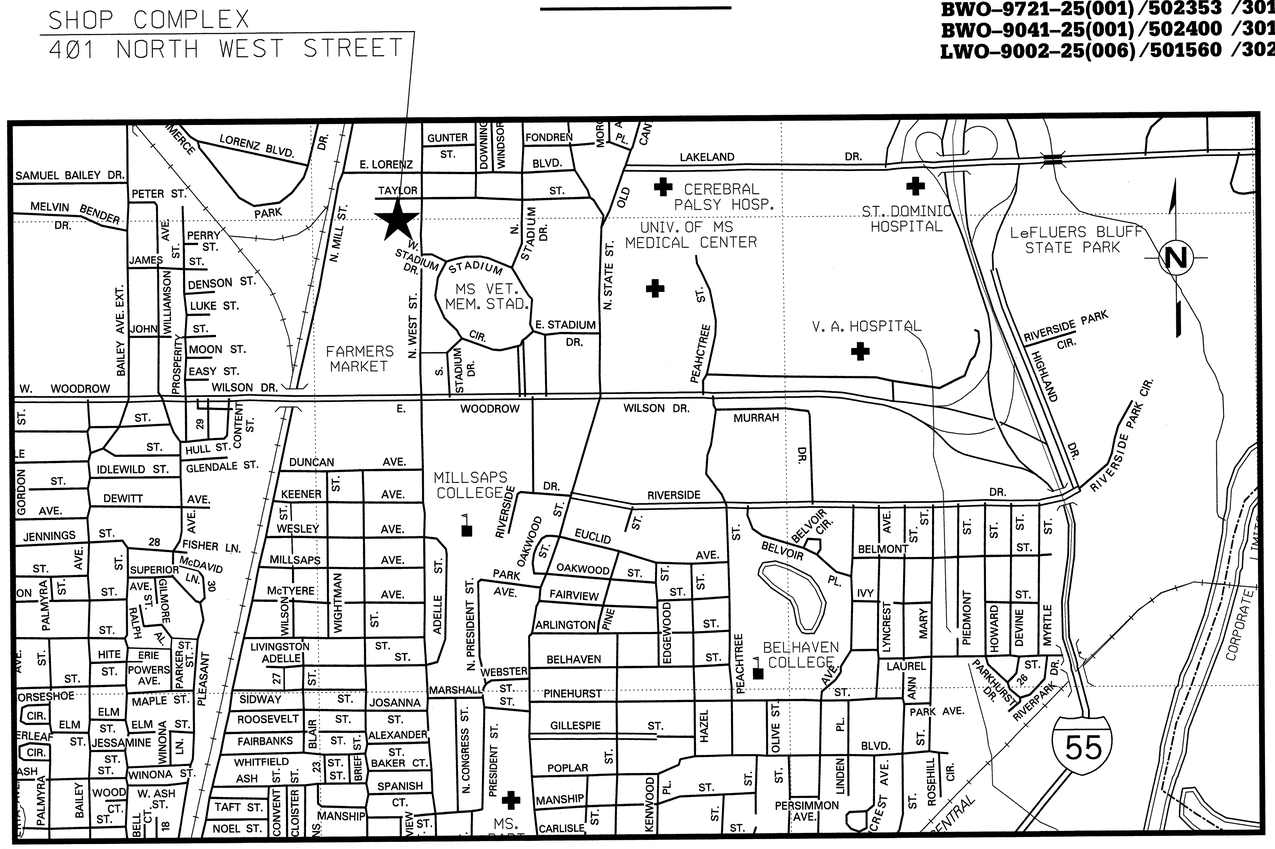
STATE OF MISSISSIPPI

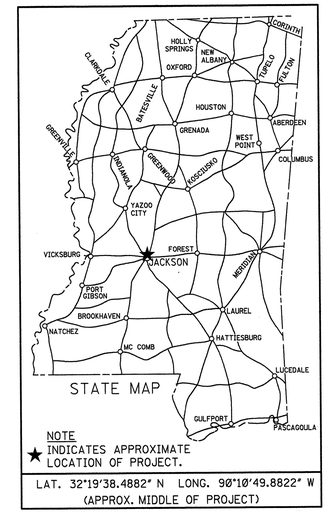
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED RELOCATION AND CONSTRUCTION OF VARIOUS METAL BUILDINGS AT THE SHOP COMPLEX PROJECT NO(S) LWO–9002–25(006), BWO–9030–25(002), BWO–9721–25(001), BWO–9041–25(001)

HINDS COUNTY

FMS CONSTRUCTION NO(S)
BWO–9030–25(002)/502352 /301000
BWO–9721–25(001)/502353 /301000
BWO–9041–25(001)/502400 /301000
LWO–9002–25(006)/501560 /302000





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 32°19'38.4882" N LONG. 90°10'49.8822" W
(APPROX. MIDDLE OF PROJECT)

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 S

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: [illegible] DATE: 8/3/12

REGISTERED ENGINEER Richard Henry McKeel 11473 STATE OF MISSISSIPPI

ASU

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

DATE	REVISIONS	BY

APPROVED:

CHIEF ENGINEER — DATE 8/6/12

EXECUTIVE DIRECTOR — DATE 8/6/12

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ADMINISTRATOR — DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

8/2/2012 13:46:42 SHOP COMPLEX TITLE.DGN

1 st O. REV.

INDEX TO DRAWINGS

STATE	PROJECT NO.
MISS.	LWO-9002-25(006) BWO-9030-25(002) BWO-9721-25(001) BWO-9041-25(001)

GENERAL

General

Sheet Number	Working Number	Sheet Name
1	A000	Title Sheet
2	A001	Index to Drawings
3	A002	General Data
4	A003	Code Reviews

Civil

Sheet Number	Working Number	Sheet Name
5	C0.1	General Notes and Index to Drawings
6	C0.2	Summary of Quantities
7	C0.3	Summary of Quantities
8	C1.0	Survey - Existing Conditions
9	C1.1	Overall Key Map
10	C2.0	Building "J" Site Demolition Plan
11	C2.1	Building "H" Site Demolition Plan
12	C2.2	Building "K" Site Demolition Plan
13	C3.0	Building "J" Site Undercut Plan
14	C3.1	Building "H" Site Undercut Plan
15	C3.2	Building "K" Site Undercut Plan
16	C4.0	Building "J" Site Dimension Plan
17	C4.1	Building "H" Site Dimension Plan
18	C4.2	Building "K" Site Dimension Plan
19	C5.0	Building "J" Site Grading and Drainage Plan
20	C5.1	Building "H" Site Grading and Drainage Plan
21	C5.2	Building "K" Site Grading and Drainage Plan
22	C6.1	Building "H" Site Utility Plan
23	C7.0	Building "J" Site Paving Plan
24	C7.1	Building "H" Site Paving Plan
25	C7.2	Building "K" Site Paving Plan
26	C8.0	Building "J" Site Paving Plan
27	C8.1	Building "H" Site Striping and Signage Plan
28	C8.2	Building "K" Site Striping and Signage Plan
29	C9.0	Storm Drainage and Miscellaneous Details
30	C10.0	Sanitary Sewer Details
31	C11.0	Water Details
32	C12.0	Fence and Gate Details
33	C13.0	Striping and Signage and Miscellaneous Details
34	ECD-1	Typ Temp. Erosion/Sediment Control Applications
35	ECD-2	Typ. Temp. Erosion/Sediment Control Applications
36	ECD-3	Details of Silt Fence Installation
37	ECD-4	Ditch Check Structures, Typical Applications and Details
38	ECD-5	Temporary Erosion, Sediment and Water Pollution Control Measures, Silt Fence and Hay Bale Ditch Checks
39	ECD-6	Details of Erosion Control Wattle Ditch Check
40	ECD-10	Inlet Protection Typical Applications and Details
41	ECD-11	Inlet Protection Details for Course Aggregate on Grades & Sags
42	ECD-12	Inlet Protection Details of Wattles
43	ECD-14	Inlet Protection Details of Sand Bag
44	ECD-15	Stabilized Constuction Entrance
45	ECD-20	Details of Erosion Control Sandbag Ditch Check

BUILDING "H" - EQUIPMENT SHED BWO-9030-25(002) / SCALES MAINTENANCE

1

Architectural

Sheet Number	Working Number	Sheet Name
46	HA001	Typical Life Safety Details
47	HA100	Building "H"-Demolition/Phasing Plan
48	HA200	Building "H" - Floor Plan
49	HA210	Building "H" - Reflected Ceiling Plan
50	HA220	Building "H" - Roof Plan & Details
51	HA300	Building "H" - Exterior Elevations
52	HA400	Building "H" - Building Sections
53	HA410	Building "H" - Wall Sections
54	HA411	Building "H" - Wall Sections
55	HA500	Enlarged Plans / Interior Elevations
56	HA501	Millwork Details / Signage
57	HA600	Relocated Equipment Shed & Scales Mainenance Door Schedule / Door Details
58	HA601	Building "H" - Door Details
59	HA700	Stair Details
60	HA701	Railing Details - Scales Mezzanine

Structural

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61	S001	Structural Notes & Drawing Index
62	S002	Structural Quality Assurance Plan
63	HS010	Wind Pressure Diagram
64	HS011	Building "H"-Roof Wind Pressure Diagram
65	HS101	Relocated Equipment Shed - First Floor Foundation Plan
66	HS201	Relocated Equipment Shed - Mezzanine Framing Plan
67	HS301	Relocated Equipment Shed - Roof Framing Plan
68	HS401	Relocated Equipment Shed - Foundation Sections and Details
69	HS402	Relocated Equipment Shed - Foundation Sections and Details
70	HS403	Foundation Sections and Details
71	HS501	Relocated Equipment Shed - Framing Sections and Details

Mechanical

Sheet Number	Working Number	Sheet Name
72	HM001	Building "H" - Mechanical - General Notes, Legend, Abbreviations and Schedules
73	HM200	Relocated Equipment Shed - Floor Plan - Mechanical

Plumbing

Sheet Number	Working Number	Sheet Name
74	HP200	Relocated Equipment Shed-Floor Plan-Plumbing

Electrical

Sheet Number	Working Number	Sheet Name
75	HE100	Electrical Symbols Legend & Schedules
76	HE101	Electrical Site Plan
77	HE201	Building H - Electrical Floor Plans
78	HE202	Building H - Electrical Floor Plans
79	HE203	Building H - Electrical Risers, Schedules & Details
80	HE301	Electrical Details

BUILDING "J" - WAREHOUSE BWO-9041-25(001)

Architectural

Sheet Number	Working Number	Sheet Name
81	JA201	Building "J" - Warehouse - Floor Plan / Roof Plan
82	JA300	Building "J" - Warehouse - Building Elevations
83	JA400	Building "J" - Warehouse - Building Sections / Wall Sections
84	JA401	Building "J" - Warehouse - Wall Sections
85	JA600	Door Schedule / Door Details

Structural

Sheet Number	Working Number	Sheet Name
86	JS010	Wind Pressure Diagram
87	JS101	Building "J"-New Warehouse - First Floor Foundation Plan
88	JS201	Building "J"-New Warehouse - Roof Framing Plan
89	JS301	Building "J"-New Warehouse - Foundation Sections and Details
90	JS401	Building "J"-New Warehouse - Framing Sections and Details

Mechanical

Sheet Number	Working Number	Sheet Name
91	JM200	New Warehouse - Floor Plan - Mechanical

Electrical

Sheet Number	Working Number	Sheet Name
92	JE101	Building J - Electrical Floor Plan

BUILDING "K" - EQUIPMENT SHED BWO-9721-25(001)

Architectural

Sheet Number	Working Number	Sheet Name
93	KA200	Building "K" - Equipment Shed - Floor Plan / Roof Plan
94	KA300	Building "K" - Equipment Shed - Building Elevations
95	KA400	Building "K" - Equipment Shed - Building Sections / Wall Sections

Structural

Sheet Number	Working Number	Sheet Name
96	KS010	Wind Pressure Diagram
97	KS101	Building "K"-New Equipment Shed Foundation Plan
98	KS201	Building "K"-New Equipment Shed Roof Framing Plan
99	KS301	Building "K"-New Equipment Shed Foundation Sections and Details
100	KS401	Building "K"-New Equipment Shed Roof Framing Sections and Details

Electrical

Sheet Number	Working Number	Sheet Name
101	KE101	Building K - Electrical Floor Plan

MDOT STANDARD DRAWINGS

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142	TEC-1	Typical Temporary Erosion Control Measures (Silt Fence, Hay Bales & Brush Barrier)
143	TEC-2	Typical Temporary Erosion Control Measures (Slope Drain and Type A Silt Basin)
145	DT-1	Details of Typical Ditch Treatments
162	CL-1	FENCE- Chain Link - Class 1
168	CLG-1	FENCE- Chain Link Gate
182	GR-1B	GUARDRAIL- "W" Beam (Steel Posts)
193	GR-3A	GUARDRAIL- Type 1 Cable Anchorage (Concrete Footing)
232	SN-7	Standard Roadside Signs
235	SN-8B	Standard Roadway Sign Assymbly and Installation
236	SN-8C	Standard Roadway Sign Assymbly and Installation
287	SD-1	Driveways, Curb & Gutter & Sidewalk
300	PI-1	Pipe Culvert Installation
302	JB-1	Junction Box for Concrete Culverts
304	JB-2	Junction Box Type 2 for Traffic Load (Max "W" = 9'-3"
328	FE-1	Flared End Sections for Concrete Pipe
329	FE-1A	Flared End Section for Concrete Arch Pipe

PS & E PLANS DATE: 07/27/12

FMS CON. #
BWO-9030-25(002) /502352 /101000
BWO-9721-25(001) /502353 /101000
BWO-9041-25(001) /502400 /101000
LWO-9002-25(006) /501560 /102000

REVISIONS

DATE	SHEET NUMBER	BY
08/08/12	2, 6, 7, 13, 14, 15, 16, 17, 18, 33, 81, 93, 99	JMc

A3U

JBHM ARCHITECTS
Biloxi, MS 228.594.2200
Columbus, MS 662.328.4883
Jackson, MS 601.352.2859
Tupelo, MS 662.844.1822
WWW.JBHM.COM

REGISTERED ARCHITECT RICHARD H. HARRIS #1837 JACKSON MISS STATE OF MISSISSIPPI

DATE	REVISION	BY
08/08/12	Revision #1: Revise Heading Title	JMc

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED RELOCATION & CONSTRUCTION OF VARIOUS METAL BUILDINGS AT THE SHOP COMPLEX
Index to Drawings

LWO-9002-25(006), BWO-9030-25(002), BWO-9721-25(001), BWO-9041-25(001)
HINDS COUNTY

WORKING NUMBER A001

FILENAME: A001.dgn

DESIGN TEAM MJE CHECKED RHM DATE July 27, 2012

SHEET NUMBER 2

10026.01

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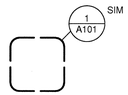
STATE	PROJECT NO.
MISS.	LWO-9002-25(006) BWO-9030-25(002) BWO-9721-25(001) BWO-9041-25(001)

ARCHITECTURAL ABBREVIATIONS

&	AND
@	AT
A/C	AIR CONDITIONING
ACOUS.	ACOUSTICAL
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
A/E	ARCHITECT/ENGINEER
A.F.F.	ABOVE FINISHED FLOOR
A.H.U.	AIR HANDLING UNIT
ALT.	ALTERNATE
ALUM./AL.	ALUMINUM
A.P.	ACCESS PANEL
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
ASPH.	ASPHALT
A.V.	AUDIO VISUAL
BD.	BOARD
BLDG.	BUILDING
BLKG.	BLOCKING
BM.	BEAM
BOT.	BOTTOM
CAB.	CABINET
C.B.	CATCH BASIN
CER.	CERAMIC
C.G.	CORNER GAURD
C.I.	CAST IRON
C.J.	CONTROL JOINT
CLG.	CEILING
CLR.	CLEAR
C.M.U.	CONCRETE MASONRY UNIT
C.O.	CASED OPENING
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
COORD.	COORDINATE
CPT.	CARPET
C.T.	CERAMIC TILE
CTSK	COUNTERSUNK
DBL.	DOUBLE
DEPT.	DEPARTMENT
DET./DTL.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
DP.	DAMPPROOFING
DS.	DOWNSPOUT
DWGS.	DRAWINGS
E.	ELEVATOR
EA.	EACH
E.F.	EXAUST FAN
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EL.	ELEVATION
ENCL.	ENCLOSURE
E.P.	ELECTRICAL PANELBOARD
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.W.	EACH WAY
EXH.	EXHAUST
EXP.	EXPANSION
EXST./ EXIST.	EXISTING
EXT.	EXTERIOR
F.A.P.	FIRE ALARM PANEL
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.F.E.	FINISH FLOOR ELEVATIONS
F.H.	FIRE HYDRANT
F.H.C.	FIRE HOSE CABINET
FIN.	FINISH
FL./FLR.	FLOOR
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.S.	FULL SIZE
FT.	FOOT/FEET
FTG.	FOOTING
FURR	FURRING
GA.	GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
GL.	GLASS
GYP.	GYPSUM
GYP.BD.	GYPSUM BOARD
H.B.	HOSE BIB
HCP./HC.	HANDICAP
HCWD.	HOLLOW CORE WOOD
HDWE.	HARDWARE
HGT.	HEIGHT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HR.	HOUR
H.R.	HANDRAIL
HVAC.	HEATING/VENTILATING & AIR COND.
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JAN.	JANITOR
JT.	JOINT
K.O.	KNOCK DOWN
LAM.	LAMINATE
LAV.	LAVATORY
LBS.	POUNDS
LT.	LIGHT
LT. WT.	LIGHT WEIGHT
LVR.	LOUVER
MAS.	MASONRY
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MFR./MFGR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
M.R.GYP.BD.	MOISTURE RESISTANT GYPSUM BD.
MTD.	MOUNTED
MTL.	METAL
MATL.	MATERIAL
MIR.	MIRROR
MULL.	MULLION
N.	NORTH
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NOM.	NOMINAL
O.C.	ON CENTER
OH.	OVERHEAD
OPNG. OR OPG.	OPENING
OPP.	OPPOSITE
PL.	PLATE
PR.	PAIR
PRE-FAB.	PRE-FABRICATED
PRE-FIN	PRE-FINISHED
PTD.	PAINTED
PTN./PARTN	PARTITION
PVMT.	PAVEMENT
PWD./PLYWD	PLYWOOD
R.	RISER
RAD.	RADIUS
R.A.G.	RETURN AIR GRILL
R.B.	RUBBER BASE
R.C.P.	REINFORCED CONCRETE PIPE
RCP	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
O OR RD.	ROUND
REF.	REFERENCE
REINF	REINFORCEMENT/REINFORCED
REFL.	REFLECTED
REQ.	REQUIRED
RESIL	RESILIENT
RM.	ROOM
R.O.	ROUGH OPENING
S.	SOUTH
S.C.	SOLID CORE
SCH.	SCHEDULE
S.C.W.D.	SOLID CORE WOOD
S.D.	SOAP DISPENSER
SECT.	SECTION
SHT.	SHEET
SHWR	SHOWER
SIM.	SIMILAR
SPEC.	SPECIFICATION
SQ.	SQUARE
SQ. FT.	SQUARE FEET
SS	SANITARY SEWER
STD.	STANDARD
ST. DR.	STORM DRAIN
STL.	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
S.V.	SHEET VINYL
SYM.	SYMMETRICAL
SYN.	SYNTHETIC
T./TR.	TREAD
T.B.	TOWEL BAR
T.C.	TOP OF CURB
TEL.	TELEPHONE
TEMP. GL.	TEMPERED GLASS
T&G	TONGUE AND GROOVE
TH./THRES.	THRESHOLD
THK.	THICK
T.O.S.	TOP OF STEEL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.B.	VINYL BASE
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
V.T.R.	VENT-THRU-ROOF
W.	WEST
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
W/O	WITHOUT
W.P.	WATERPROOF
W.W.M.	WELDED WIRE MESH

ARCHITECTURAL GRAPHICS



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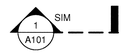
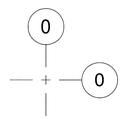


BUILDING SECTION

EXTERIOR ELEVATION

INTERIOR ELEVATION



GRID DESIGNATION

ROOM IDENTIFIER

DOOR DESIGNATION

WINDOW TYPE

WALL TYPE

ROOF PITCH

NORTH ARROW

℄ CENTERLINE

PROJECT TEAM

OWNER: **MISSISSIPPI DEPARTMENT OF TRANSPORTATION (MDOT)**
PERSON IN CHARGE JIM VINSON, MDOT ARCHITECTURAL SERVICES
ADDRESS P.O. BOX 1850
JACKSON, MS 39215-1850
PHONE 601-359-7111
FAX 601-359-7126
E-MAIL jvinson@mdot.state.ms.us

ARCHITECTURAL: **JBHM ARCHITECTS**
PARTNER IN CHARGE RICHARD McNEEL, AIA
ADDRESS 308 E. PEARL ST., SUITE 300
JACKSON, MS 39201
PHONE 601-352-2699
FAX 601-352-2693
E-MAILS rmcneel@jbhm.com
mpipper@jbhm.com

CIVIL: **NEEL-SCHAFFER**
PARTNER IN CHARGE CHUCK LOTT, P.E.
PROJECT MANAGER DANNY RYALS, P.E.
ADDRESS P.O. BOX 22625
JACKSON, MS 39225-2625
PHONE 601-948-3071
FAX 601-948-3178
E-MAILS chuck.lott@neel-schaffer.com
danny.ryals@neel-schaffer.com

STRUCTURAL: **STRUCTURAL DESIGN GROUP**
PRINCIPAL IN CHARGE TOM SCHAEFFER, P.E.
ADDRESS 220 GREAT CIRCLE RD, SUITE 106
NASHVILLE, TN 37228
PHONE 615-255-5537
FAX 615-255-1486
E-MAIL toms@sdg-structure.com

MECHANICAL AND PLUMBING: **THOMPSON COMPANY, INC.**
PRINCIPAL IN CHARGE WILLIAM THOMPSON, P.E.
PROJECT MANAGER DARRYL BIGGS, P.E.
ADDRESS 50 TECHNOLOGY PARKWAY SOUTH
NORCROSS, GA 30092
PHONE 678-538-2857
FAX 404-364-0895
E-MAIL wlt@tcieng.com
dbiggs@tcieng.com

ELECTRICAL: **WATKINS & O'GWYNN ELECTRICAL ENGINEERS**
PRINCIPAL IN CHARGE MIKE WYNNE
ADDRESS P.O. BOX 16074
JACKSON, MS 39236-0074
PHONE 601-982-3313
FAX 601-982-7685
E-MAIL contact@watkins-ogwynn.com

JBHM ARCHITECTS
Biloxi, MS 228.594.2000
Columbus, MS 662.329.4883
Jackson, MS 601.352.2699
Tupelo, MS 662.844.1632
WWW.JBHMA.COM

REGISTERED ARCHITECT RICHARD HARRY MCNEEL MISS. STATE OF MISSISSIPPI

10026.01

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED RELOCATION & CONSTRUCTION OF VARIOUS METAL BUILDINGS AT THE SHOP COMPLEX

General Data

LWO-9002-25(006), BWO-9030-25(002), BWO-9721-25(001), BWO-9041-25(001)
HINDS COUNTY

WORKING NUMBER A002

FILENAME: A002.dgn
DESIGN TEAM MJE CHECKED RHM DATE July 27, 2012

SHEET NUMBER 3

7/30/2012 2:42:23 PM C:\Users\jacksdp\Documents\10026 MDOT Shop Complex_Phase 1 Central_jacksdp.rvt

STATE	PROJECT NO.
MISS.	LWO-9002-25(006) BWO-9030-25(002) BWO-9721-25(001) BWO-9041-25(001)

CODE REVIEW - BUILDING "H" - BWO-9030-25(002)
RELOCATED EQUIPMENT SHED / SCALES MAINTENANCE

DESIGN CODE: **2009 INTERNATIONAL BUILDING CODE AND INTERNATIONAL CODE FAMILY**

BUILDING OCCUPANCY CLASSIFICATION: **STORAGE GROUP (S-1)** (SECTION 311.2)

CONSTRUCTION TYPE: **TYPE II-B** (TABLE 601)

ALLOWABLE BUILDING HEIGHT: **55 FEET** (TABLE 503)

ACTUAL BUILDING HEIGHT: **25'-8"**

ALLOWABLE STORIES: **2 STORIES** (TABLE 503)

ACTUAL STORIES: **1 STORIES**

ALLOWABLE AREA (PER STORY): **17,500 SF PER STORY (TABLE 503, 'S-1' OCCUPANCY)**

ACTUAL BUILDING AREAS: **15,100 SF**

OCCUPANT LOAD: **INDUSTRIAL: 100 GROSS PER OCCUPANT: OCCUPANT LOAD: 151** (TABLE 1004.1.1)

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):
- **-STRUCTURAL FRAME:** 0 HOURS
- **-BEARING WALLS EXTERIOR:** 0 HOURS
- **-BEARING WALLS INTERIOR:** 0 HOURS
- **-NONBEARING WALLS AND PARTITIONS, EXTERIOR:** 0 HOURS
- **-NONBEARING WALLS AND PARTITIONS, INTERIOR:** 0 HOURS
- **-FLOOR CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS:** 0 HOURS
- **-ROOF CONSTRUCTION, INCLUDING BEAMS AND JOISTS: 0** HOURS

FIRE SEPARATION DISTANCE: **≥30 FEET** (TABLE 602)

FIRE-RESISTANCE-RATING FOR EXTERIOR WALLS: **0 HOURS** (TABLE 602, TYPE II-B)

COMBUSTIBLE MATERIALS ALLOWED: **REFER TO SECTION 603**

MAXIMUM AREA OF EXT. WALL OPENINGS: **NO LIMIT (SECTION 704.8 AND TABLE 708. AUTOMATIC SPRINKLER SYSTEM IS PROVIDED; THEREFORE AREA OF UNPROTECTED OPENINGS EQUALS AREA OF PROTECTED OPENINGS. ASSUME F.S.D. OF GREATER THAN 30'-0")**

AUTOMATIC SPRINKLER SYSTEM: **AN AUTOMATIC SPRINKLER SYTEM PER NFPA 13 SHALL BE PROVIDED** (SECTION 903.2.9)

PORTABLE FIRE EXTINGUISHERS: **APORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED IN CONSPICUOUS LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE.** (SECTIONS 906.1 & 906.5)

INTERIOR WALL AND CEILING FINISH REQUIREMENTS (TABLE 803.9):
'S-1' OCCUPANCY:
EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS C
CORRIDORS: CLASS C
ROOMS AND ENCLOSED SPACES: CLASS C

EGRESS WIDTH FACTOR (TABLE 1005.1):
- **-STAIRWAYS:** 0.2 INCHES PER OCCUPANT
- **-OTHER EGRESS COMPONENTS:** 0.15 INCHES

EGRESS WIDTH REQ'D (SECTION 1005):
'S-1' OCCUPANCY:
STAIRWAYS: N/A
OTHER EGRESS COMPONENTS: 34 INCHES

COMMON PATH OF EGRESS TRAVEL: **100 FEET** (S-1, SPRINKLERED, SECTION 1014.3)

MAX. ALLOWABLE TRAVEL DISTANCE: **250 FEET** (S-1, SPRINKLERED, TABLE 1016.1)

TRAVEL DISTANCE IN THIS BUILDING: **VARIES; SEE LIFE SAFETY PLAN(S)**

CORRIDOR FIRE-RESISTANCE RATING: **0 HOURS** (S-1, SPRINKERED, TABLE 1018.1)

EXITS REQUIRED: **TWO EXITS REQUIRED** (SECTION 1021.1)

NUMBER OF EXITS PROVIDED: **2 EXITS AT GROUND LEVEL**

ACCESSIBILITY REQUIREMENTS:
- **-INTERNATIONAL BUILDING CODE 2009, CHAPTER 11**
- **-ICC/ANSI A117.1-2003** (AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES)
- **-AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES**

CODE REVIEW - BUILDING "J" - BWO-9041-25(001)
WAREHOUSE

DESIGN CODE: **2009 INTERNATIONAL BUILDING CODE AND INTERNATIONAL CODE FAMILY**

BUILDING OCCUPANCY CLASSIFICATION: **STORAGE GROUP (S-2)** (SECTION 311.2)

CONSTRUCTION TYPE: **TYPE II-B** (TABLE 601)

ALLOWABLE BUILDING HEIGHT: **55 FEET** (TABLE 503)

ACTUAL BUILDING HEIGHT: **23'-0"**

ALLOWABLE STORIES: **3 STORIES** (TABLE 503)

ACTUAL STORIES: **1 STORIES**

ALLOWABLE AREA (PER STORY): **26,000 SF PER STORY (TABLE 503, 'S-2' OCCUPANCY)**

ACTUAL BUILDING AREAS: **5,000 SF**

OCCUPANT LOAD: **INDUSTRIAL: 100 GROSS PER OCCUPANT: OCCUPANT LOAD: 50** (TABLE 1004.1.1)

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):
- **-STRUCTURAL FRAME:** 0 HOURS
- **-BEARING WALLS EXTERIOR:** 0 HOURS
- **-BEARING WALLS INTERIOR:** 0 HOURS
- **-NONBEARING WALLS AND PARTITIONS, EXTERIOR:** 0 HOURS
- **-NONBEARING WALLS AND PARTITIONS, INTERIOR:** 0 HOURS
- **-FLOOR CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS:** 0 HOURS
- **-ROOF CONSTRUCTION, INCLUDING BEAMS AND JOISTS: 0** HOURS

FIRE SEPARATION DISTANCE: **≥30 FEET** (TABLE 602)

FIRE-RESISTANCE-RATING FOR EXTERIOR WALLS: **0 HOURS** (TABLE 602, TYPE II-B)

COMBUSTIBLE MATERIALS ALLOWED: **REFER TO SECTION 603**

AUTOMATIC SPRINKLER SYSTEM: **NONE PROVIDED**

PORTABLE FIRE EXTINGUISHERS: **APORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED IN CONSPICUOUS LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE.** (SECTIONS 906.1 & 906.5)

INTERIOR WALL AND CEILING FINISH REQUIREMENTS (TABLE 803.9):
'S-2' OCCUPANCY:
EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS C
CORRIDORS: CLASS C
ROOMS AND ENCLOSED SPACES: CLASS C

EGRESS WIDTH FACTOR (TABLE 1005.1):
- **-STAIRWAYS:** 0.2 INCHES PER OCCUPANT
- **-OTHER EGRESS COMPONENTS:** 0.15 INCHES

EGRESS WIDTH REQ'D (SECTION 1005):
'S-2' OCCUPANCY:
STAIRWAYS: N/A
OTHER EGRESS COMPONENTS: 34 INCHES

COMMON PATH OF EGRESS TRAVEL: **75 FEET** (S-2, SECTION 1014.3)

MAX. ALLOWABLE TRAVEL DISTANCE: **300 FEET** (S-2, TABLE 1016.1)

TRAVEL DISTANCE IN THIS BUILDING: **VARIES; SEE LIFE SAFETY PLAN(S)**

CORRIDOR FIRE-RESISTANCE RATING: **NO CORRIDORS IN DESIGN**

EXITS REQUIRED: **TWO EXITS REQUIRED** (SECTION 1021.1)

NUMBER OF EXITS PROVIDED: **2 EXITS AT GROUND LEVEL**

ACCESSIBILITY REQUIREMENTS:
- **-INTERNATIONAL BUILDING CODE 2009, CHAPTER 11**
- **-ICC/ANSI A117.1-2003** (AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES)
- **-AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES**

CODE REVIEW - BUILDING "K" - BWO-9721-25(001)
EQUIPMENT SHED

DESIGN CODE: **2009 INTERNATIONAL BUILDING CODE AND INTERNATIONAL CODE FAMILY**

BUILDING OCCUPANCY CLASSIFICATION: **STORAGE GROUP (S-2)** (SECTION 311.2)

CONSTRUCTION TYPE: **TYPE II-B** (TABLE 601)

ALLOWABLE BUILDING HEIGHT: **55 FEET** (TABLE 503)

ACTUAL BUILDING HEIGHT: **23'-0"**

ALLOWABLE STORIES: **3 STORIES** (TABLE 503)

ACTUAL STORIES: **1 STORIES**

ALLOWABLE AREA (PER STORY): **26,000 SF PER STORY (TABLE 503, 'S-2' OCCUPANCY)**

ACTUAL BUILDING AREAS: **7,500 SF**

OCCUPANT LOAD: **INDUSTRIAL: 100 GROSS PER OCCUPANT: OCCUPANT LOAD: 50** (TABLE 1004.1.1)

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):
- **-STRUCTURAL FRAME:** 0 HOURS
- **-BEARING WALLS EXTERIOR:** 0 HOURS
- **-BEARING WALLS INTERIOR:** 0 HOURS
- **-NONBEARING WALLS AND PARTITIONS, EXTERIOR:** 0 HOURS
- **-NONBEARING WALLS AND PARTITIONS, INTERIOR:** 0 HOURS
- **-FLOOR CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS:** 0 HOURS
- **-ROOF CONSTRUCTION, INCLUDING BEAMS AND JOISTS: 0** HOURS

FIRE SEPARATION DISTANCE: **≥30 FEET** (TABLE 602)

FIRE-RESISTANCE-RATING FOR EXTERIOR WALLS: **0 HOURS** (TABLE 602, TYPE II-B)

COMBUSTIBLE MATERIALS ALLOWED: **REFER TO SECTION 603**

AUTOMATIC SPRINKLER SYSTEM: **NONE PROVIDED**

PORTABLE FIRE EXTINGUISHERS: **APORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED IN CONSPICUOUS LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE.** (SECTIONS 906.1 & 906.5)

INTERIOR WALL AND CEILING FINISH REQUIREMENTS (TABLE 803.9):
'S-2' OCCUPANCY:
EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS C
CORRIDORS: CLASS C
ROOMS AND ENCLOSED SPACES: CLASS C

EGRESS WIDTH FACTOR (TABLE 1005.1):
- **-STAIRWAYS:** 0.2 INCHES PER OCCUPANT
- **-OTHER EGRESS COMPONENTS:** 0.15 INCHES

EGRESS WIDTH REQ'D (SECTION 1005):
'S-2' OCCUPANCY:
STAIRWAYS: N/A
OTHER EGRESS COMPONENTS: 34 INCHES

COMMON PATH OF EGRESS TRAVEL: **75 FEET** (S-2, SECTION 1014.3)

MAX. ALLOWABLE TRAVEL DISTANCE: **300 FEET** (S-2, TABLE 1016.1)

TRAVEL DISTANCE IN THIS BUILDING: **VARIES; SEE LIFE SAFETY PLAN(S)**

CORRIDOR FIRE-RESISTANCE RATING: **NO CORRIDORS IN DESIGN**

EXITS REQUIRED: **TWO EXITS REQUIRED** (SECTION 1021.1)

NUMBER OF EXITS PROVIDED: **2 EXITS AT GROUND LEVEL**

ACCESSIBILITY REQUIREMENTS:
- **-INTERNATIONAL BUILDING CODE 2009, CHAPTER 11**
- **-ICC/ANSI A117.1-2003** (AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES)
- **-AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES**

JRHM ARCHITECTS
Biloxi, MS 228.594.2050
Columbus, MS 662.329.4993
Jackson, MS 601.352.2999
Tupelo, MS 662.844.1622
WWW.JRHM.COM
REGISTERED ARCHITECT RICHARD HARRIS JACKSON MISSISSIPPI STATE OF MISSISSIPPI
10026.01

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED RELOCATION & CONSTRUCTION OF VARIOUS METAL BUILDINGS AT THE SHOP COMPLEX
Code Reviews

LWO-9002-25(006), BWO-9030-25(002), BWO-9721-25(001), BWO-9041-25(001)
HINDS COUNTY

WORKING NUMBER: A003
FILENAME: A003.dgn
SHEET NUMBER: 4
DESIGN TEAM MJE CHECKED RHM DATE July 27, 2012

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STATE	PROJECT NO.
MISS.	LWO-9002-25(006)

UTILITY NOTES

1. GENERAL

The Site Contractor shall verify all locations of utilities with the most current data provided by the Owner.

The Site Contractor shall refer to architectural plans for exact locations and dimensions of porches, ramps, precise building dimensions, and exact building utility entrance locations.

All water and sanitary sewer manholes, valves, pipes, etc. that are located within 5' of the outside edge of the buildings shall be paid under Pay Item 907-242-PP003, CONSTRUCTION OF VARIOUS METAL BUILDINGS. All utility items that are 5' outside the edge of the building shall be paid under each work item pay number. All services shall be City of Jackson standard or other approved material and installed per city specifications. Water lines shall have valve installed at 5' from building line. A minimum of 36" cover is required over all water lines.

The Site Contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies, and where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The Site Contractor must call the appropriate utility company at least 48 hours before excavation to request exact field location of utilities. It shall be the responsibility of the Site Contractor to relocate all existing utilities which conflict with proposed improvements shown on the plans.

Fire Hydrant assembly as shown will include hydrant, tee and valve. Fire Hydrant shall be type Mueller A-423 or City of Jackson or an approved equal.

Reference Working Number C10.0 for Sanitary Sewer System Details.

Reference Working Number C11.0 for Water System Details.

2. SANITARY SEWER AND WATER CONNECTIONS

Connection of sanitary sewer and water to the existing City of Jackson utilities shall be coordinated through the Water and Sanitary Sewer Division of the Public Works Department of the City of Jackson (601-960-2041). All fees will be the responsibility of the Site Contractor.

Site Contractor shall refer to architect's plans and specifications for entry location of all water, sewer service, electrical, telephone and gas service. Site Contractor shall coordinate installation of utilities to avoid conflicts and assure proper depths are achieved as well as coordinating with the utility owner for the location and connection to their facilities.

The Site Contractor shall coordinate the installation of all underground utilities with his work. All underground utilities (water, sanitary sewer, storm sewer, electrical conduit, irrigation systems, and any other misc. utilities) shall be in place prior to the placement of base course material, and the placement of any appropriate soil stabilization.

Sewer pipe and fittings shall be PVC, ASTM D-3034, SDR-26, elastometric gasket joints.

Site Contractor shall be responsible for calling Mississippi 811 (Formerly Mississippi One-Call) at 1-800-227-6477 to verify all existing utilities. Contractor shall be responsible for damages to existing utilities to remain and for all interruptions caused by a result of his work.

All sanitary sewer and water utilities shall be constructed and tested in accordance with state regulatory agency.

Existing utility information based on survey by Chris A. King of Maptech, Inc., P.L.S. No. 2481, dated February 21, 2011.

DEMOLITION NOTES

1. Site Contractor shall be responsible for removing any and all structures designated to be removed within the property limits, including, but not limited to, structures, foundations, slabs, mechanical equipment, curbs, all existing pavements and driveways, existing fences, utilities and debris.
2. Site Contractor shall be responsible for any and all damages that might occur to improvements shown hereon to remain.
3. Site Contractor shall remove all debris from the site that is found to exist prior to his work or that is generated as a result of his work.
4. Site Contractor will not be responsible for demolishing or removing any existing above or underground telephone or power but shall coordinate with all local utility companies.
5. Site Contractor shall call Mississippi 811 (formerly Mississippi One-Call), by law, to locate all existing utilities on site prior to his work. Contractor shall be responsible for protecting all utilities not designated to be removed and shall be responsible for all damages that result from Contractor's work.
6. Site Contractor shall obtain and pay for all construction permits required to accomplish the work specified hereon.
7. Site Contractor shall be responsible for maintaining erosion control during the entire course of this work, per the Storm Water Pollution Prevention Plan.

CONSTRUCTION SEQUENCE

The following construction sequence is planned to minimize the amount of sediment movement through the storm drain system. Installation and maintenance of these measures are considered critical for controlling sediment movement at this project site.

Construction Access
Access to the construction site shall be from West Street and Mill Street. At the egress points, it is required that stabilized gravel construction drives (about 50 feet) be established if pavement does not exist. This will provide an opportunity for trucks to clean mud from their wheels prior to entering adjacent streets.

Sediment Control Measures
This project will be constructed in one phase utilizing associated sediment control measures. Silt fences and storm drain systems will be utilized and shall be installed in the following sequence to minimize soil movement and loss:

1. Silt Fence: Silt fence is to be installed according to manufacturer's recommendations.
   a. Install a single line of silt fence as shown on the drawings before any clearing and grubbing of this fence area is completed.
   b. Remove silt fence upon completion of site improvements and after erosion control devices are well-established.
2. Storm Drain System: Install the storm drain system to the grades and elevations at the locations shown on the plans. Care shall be taken to minimize movement of sediment into the storm drain inlets until the road/parking area surface topping is applied. A perimeter silt fence is the recommended method of inlet protection.
   a. Install a local drainage depressional storage area around all storm drain inlets for sediment collection.
   b. Place a silt fence barrier around each storm drain inlet as soon as it is installed. These may need some reworking later as curb lines are installed.
   c. When area is ready for final compaction, remove sediment collected around inlet, bring to grade with compacted fill and place surface topping.

Vegetation
Vegetate and/or landscape all curb areas and graded area that does not receive pavement or have a building placed upon it as soon as possible during the construction operations.

MAINTENANCE PLAN

Both the short term (during construction) and long term (after construction) maintenance needs must be addressed.

Short Term
All erosion and sediment control practices will be checked for stability and operation following every runoff producing rainfall but in no case, less than every week. Any needed repairs will be made immediately to maintain the practice performance as designed.

The access road exit area shall be maintained in a smooth, well compacted condition. Excess soil and debris shall be removed as needed to maintain a gravel exposed surface.

Sediment must be removed from the upstream face of the silt fence when it increases to about a 6-inch depth at the fence. The silt fence shall be replaced as necessary to maintain a barrier.

All vegetated areas shall be fertilized, and re-vegetated as needed to maintain a vigorous and dense vegetative cover.

Long Term
All vegetated areas will be maintained in adequate condition to provide proper ground cover and reduce any areas of potential erosion. Where vegetation is lost, the area will be fertilized and seeded or other acceptable methods used to restore proper cover.

As needed, new employees responsible for working the area will be informed about the requirements of the Maintenance Plan.

SITE PLAN NOTES

1. All unsurfaced areas are to receive four inches of topsoil or sod and watered until a healthy stand of grass is obtained.
2. Contractor is responsible for protecting existing benchmark.
3. Contractor shall be responsible for all relocations required to complete the . All work shall be in accordance with governing authorities specifications and shall be approved by such.
4. All dimensions shown to building on the Civil drawings are to outside face of building.
5. All necessary permits and approvals from agencies governing the construction of this work shall be secured prior to beginning construction by the Contractor.
6. The Contractor is responsible for repairs of damage to any existing improvements during construction, such as, but not limited to, drainage, utilities, pavement, striping, curbs, etc. Repairs shall be equal to or better than existing conditions.
7. Contractor shall match existing pavement in grade and alignment, at connections to city streets.
8. Construction shall comply with all governing codes and be constructed to the same.
9. All striping shall comply with the Manual on Uniform Traffic Control Devices, latest edition.

SITE PREPARATION

(WORK INCLUDED, BUT NOT INCLUSIVE)

Site Clearing
Site Grading
Site Drainage
Site Paving
Site Utilities
Site Striping
Excavation for structures
Trenching
Inspection and testing

1. GENERAL

The Contractor shall remove all infrastructure and vegetation from the area to be excavated, filled or graded.

2. REFERENCE POINTS

The Contractor shall locate benchmarks, monuments and other reference points for elevation and location of building. Notify Owner's Site Representative of apparent discrepancies in indicated locations. Protect reference points from dislocation or damage. Replace or repair immediately any points damaged, destroyed or dislocated. Do not proceed with construction work until reference points have been reviewed and accepted by the Owner's Site Representative.

3. CLEARING

Prior to cut and placement of fill on the site, approximately 6 inches of topsoil should be removed where the topsoil is encountered.

Remove brush, roots, large grass, rocks and weeds before stripping.

- Remove topsoil to a minimum depth of 6 inches in all areas indicated on the drawings to be under building, drives, parking, walks and other paving.
- Store topsoil approved for fill in planting areas in neat piles at designated locations on site. Arrange storage to avoid interference with building operations. No debris, stones larger than 2 inches, nor an excessive amount of subsoil shall be allowed in stored topsoil.

4. GRUBBING

Remove asphalt, concrete curbs, lighting poles and foundations, trash, stumps, old lumber, structures, etc. located either above, on the new surface, or below the ground which may interfere with the new construction.

5. TREE REMOVAL

Remove all trees and stumps from area to be occupied by new building and where indicated on the drawings. Use methods of removal which will prevent injury to adjacent natural growth.

6. CLEAN-UP

Upon completion of work of this section, remove from premises, and dispose of all related debris. Implement sediment control plan.

7. SITE GRADING

Proofrolling with a loaded dump truck or scraper should be performed to locate potential soft spots in the subgrade and/or natural ground before any fill is placed. Soft spots should be removed and replaced with compacted stable silty clay (CL). The top 6 inches of natural ground should be scarified and compacted to 98% of maximum density per ASTM D698 prior to fill placement.

Cut or fill and machine grade site as shown on the drawings to drain as indicated, allowing for the thickness of paving subbase and the paving. Where fill is required, use borrow excavation, Class B9-6. Place in horizontal lifts not in excess of 8" thick after compaction by rolling and/or tamping to 98% of maximum density within 2% of optimum moisture content with stability present.

The geotechnical report referred to on these drawings shall be the report prepared by SoilTech Consultants entitled "Geotechnical Investigation MDOT Shop Complex Jackson, Mississippi" dated March 11, 2011.

8. MATERIALS FOR FILLING AND BACKFILLING

Use borrow excavation, Class B9-6, for all select fill on site. Refer to MDOT Standard Specifications for Road and Bridge Construction, 2004 Edition for more information.

All bedding for reinforced concrete pipe shall meet the requirements of Class "B" bedding according to the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction. The cost of bedding shall be absorbed.

NOTE:

Before undertaking each part of the work, the Site Contractor shall carefully study and compare the plans and specifications and check and verify pertinent figures shown thereon and all applicable field measurements. If any conflicts, errors, discrepancies, or other unsatisfactory conditions are discovered either on the construction documents or in the field, the Contractor shall promptly report in writing to the Engineer, and shall obtain a written interpretation or clarification from the Engineer before proceeding with any work affected thereby.

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DANNY M. RIVERS REGISTERED PROFESSIONAL ENGINEER 7/27/12 No. 10888 STATE OF MISSISSIPPI

JBHM ARCHITECTS
Biloxi, MS 228.594.2300
Columbus, MS 662.328.4993
Jackson, MS 601.352.2699
Tupelo, MS 662.844.1822
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DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED RELOCATION & CONSTRUCTION OF VARIOUS METAL BUILDINGS AT THE SHOP COMPLEX

General Notes and Index to Drawings

LWO-9002-25(006), BWO-9030-25(002), BWO-9721-25(001), BWO-9041-25(001)
HINDS COUNTY

WORKING NUMBER C0.1

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DESIGN TEAM Neel-Schaffer, Inc. CHECKED CAL DATE 7/27/2012

SHEET NUMBER 5

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Fri, 27 Jul 2012 - 1:25pm