GENERAL NOTES:

1. EXISTING CONTOURS ARE BASED ON THE INITIAL SITE PREPARATION.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE REQUIREMENTS.
3. ANY CHANGE IN THE APPROVED PLANS SHALL BE APPROVED BY THE CM PRIOR TO THE FIELD CHANGES.
4. THE SUBCONTRACTOR/CM SHALL COORDINATE WORK WITH OTHER WORK IN PROGRESS.
5. IN THE EVENT OF ANY DISCREPANCIES AN/OR ERRORS FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE SUBCONTRACTOR SHALL BE REQUIRED TO NOTIFY THE CM BEFORE PROCEEDING WITH THE WORK. IF CM IS NOT NOTIFIED, THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR THE COST OF ANY REVISION.
6. THE SUBCONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY AGC OF AMERICA, INC. AND THE U.S. DEPARTMENT OF LABOR.
7. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD BUILDING CODE, 1997 EDITION. REFERENCE TO OTHER STANDARD SPECIFICATIONS OR CODES SHALL MEAN THE LATEST STANDARD OR CODE.
8. VERIFY ALL EXISTING CONDITIONS DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK. NOTIFY THE CM OF ANY DISCREPANCY.

GRADING

1. ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE SUBCONTRACTOR AT HIS EXPENSE.
2. THE SUBCONTRACTOR SHALL DISPOSE OF ANY WASTE MATERIAL AS DIRECTED BY THE CM.
3. CONSTRUCTION WORK SHALL BE STAKED OUT USING HORIZONTAL AND VERTICAL CONTROL PROVIDED BY THE CM. THE SUBCONTRACTOR SHALL VERIFY CONTROL PRIOR TO STARTING CONSTRUCTION. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CM. THE CM WILL NOT BE RESPONSIBLE FOR CONTROLS ESTABLISHED BY THE SUBCONTRACTOR.
4. THE PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ON THE PLANS REPRESENT FINISH GRADE ELEVATION.
5. EXISTING ELEVATIONS, CONTOURS, AND BENCHMARKS SHOWN ON THE PLANS ARE BASED ON MEAN SEA LEVEL DATUM.
6. ONLY EXCAVATED MATERIAL MEETING THE REQUIREMENTS FOR FILL AS SET FORTH IN SPECIFICATION SECTION 02220, STRUCTURE EXCAVATION, MAY BE REUSED WITHIN THE LIMITS OF CONSTRUCTION.
7. TOPSOIL SHALL BE STOCKPILED IN AREAS APPROVED BY THE CM.
8. PLACE TOPSOIL IN AREAS OF TREES, SHRUB, AND/OR GROUND COVER AS FOLLOWS: BACKFILL WITH TOPSOIL UNIFORMLY TO AN OPTIMUM DEPTH OF 36 INCHES IN AREAS TO RECEIVE TREES, SHRUBS, OR GROUNDCOVERS. IN AREAS WITH STRUCTURAL FOOTINGS AND FOUNDATIONS, BACKFILL WITH TOPSOIL NO DEEPER THAN THE TOP OF FOOTINGS AND FOUNDATIONS. REFER TO THE LANDSCAPING DRAWINGS AND GENERAL NOTES FOR FURTHER CLARIFICATION.
9. GRASS AREAS SHALL RECEIVE FOUR INCHES OF TOPSOIL OR 12 INCHES IF OVER ROCKS.
10. REFILL AREAS WHERE NOTICEABLE SETTLEMENTS HAS OCCURRED.
11. SUBCONTRACTOR TO COORDINATE WITH CM REGARDING THE AVAILABILITY OF TOPSOIL ON-SITE.
12. ALL AVAILABLE PRECAUTIONS SHALL BE TAKEN TO CONTROL DUST. WHEN THE CM OR SUBCONTRACTOR JUDGES DUST TO BE A PROBLEM, THE SUBCONTRACTOR SHALL CONTROL THE DUST BY SPRINKLING OR BY OTHER METHODS AS DIRECTED. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR DUST CONTROL. COSTS ASSOCIATED WITH EQUIPMENT, TOOLS, LABOR AND INCIDENTALS REQUIRED TO CONTROL DUST SHALL BE INCLUDED IN OTHER PAY ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY COSTS INCURRED DUE TO DELAYS CAUSED BY NECESSARY DUST CONTROL OPERATIONS.
13. ALL STORM DRAINAGE AND FOUNDATION DRAINAGE PIPE SHALL BE TYPE S OR SP CORRUGATED HDPE PIPE PER AASHTO M 252 AND M 294.

EROSION CONTROL

1 ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE SITE SPECIFIC "CONSTRUCTION SITE STORM WATER CONTROL AND POLLUTION PREVENTION PLAN" AND DIRECTIONS FROM THE CM.

LEGEND

PROPOSED	EXISTING	DESCRIPTION
980	1075	MAJOR CONTOUR
		MINOR CONTOUR
		RECESSED LIGHT
		CANOPY COLUMN
CB		CATCH BASIN
		GRAVEL ROAD OR DIRT ROAD
		PAVED ROAD
SD 30"	SD	STORM DRAINAGE PIPE
021		COORDINATE POINT NUMBER
FDL		PERFORATED PLANTER/FOUNDATION DRAIN LINE
		LIMITS OF CONSTRUCTION
000.00		SPOT ELEVATION
		CURBS
		BUILDING
		BUILDING OVERHANG OR CANOPY
		WALKS
		SAND BLASTED BAND IN WALK
		WALLS
		WALLS W/ HANDRAILS
		BENCHES
		TRASH RECEPTACLES
		SPIRAL STAIRCASE
		BOLLARD LIGHT
		RECESSED LIGHT

ABBREVIATION LIST

ABBREVIATION	DESCRIPTION
A/E	ARCHITECT/ENGINEER
AGC	THE ASSOCIATED GENERAL CONTRACTOR OF AMERICA
AD	AREA DRAIN
APPROX	APPROXIMATE
CB	CATCH BASIN
℄	CENTERLINE
CIP	CAST IN PLACE
CM	CONSTRUCTION MANAGER
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CP	CONTROL POINT
D	DISTANCE
DA	DRAINAGE AREA
DD	DIVERSION DITCH
DTL	DETAIL
EJ	EXPANSION JOINT
EL	ELEVATION
EMB	EMBANKMENT
EQ	EQUAL
EW	END WALL
EXC	EXCAVATION
EXP	EXPANSION
FT/FT	FOOT PER FOOT
HW	HEADWALL
HDPE	HIGH DENSITY POLYETHYLENE
IE	INVERT ELEVATION
JB	JUNCTION BOX
JT	JOINT
MAX	MAXIMUM
MIN	MINIMUM
MON	MONITORING
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PSI	POUNDS PER SQUARE INCH
R	RADIUS
REF	REFERENCE
SD	STORM DRAIN
SF	SQUARE FOOT
SS	STAINLESS STEEL
STAB	STABILIZED
TC	TOP OF CASTING
TD	TRENCH DRAIN
TDOT	TENNESSEE DEPARTMENT OF TRANSPORTATION
TYP	TYPICAL

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

NUMBER OF SECTION OR DETAIL
DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM _____
ENGINEERING PROCEDURE _____

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	RJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
0				CERTIFIED FOR CONSTRUCTION - 12/9/2002	BCN	JHB			1/03		1/03		12/11/02				BCN	104112	12/9	RZ	AW	BWJ	AK	IM	DM	–	BWJ	–	TW

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: BENJAMIN C. NEMEC, REGISTERED ENGINEER, AGRICULTURE, No. 104112, STATE OF TENNESSEE

DSGN	B. NEMEC	12/09/02
DRW	K. LYNCH	12/09/02
CHKR	J. BALLARD	12/09/02
SECT		
DEPT		
PE		1/04/03
PJ		1/23/03
REQ		12/11/02
UTB		

REV. DATE — DRAWING APPROVALS

ORNL DRAWING NUMBER:

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701 Scarboro Road, MS 8253
Oak Ridge, TN 37830
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BWSC BARGE WAGGONER SUMNER & CANNON, INC.
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PROJECT NAME:
CENTER FOR NANOPHASE MATERIALS SCIENCES

CIVIL GENERAL NOTES AND LEGEND

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	C	X	X	8	8610	X	1	1	G	U
51		52		53	A/E DRAWING NUMBER: 1.8.3.14	DRAWING NUMBER C0.49.02				REV 0
NC		NA		IN						

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