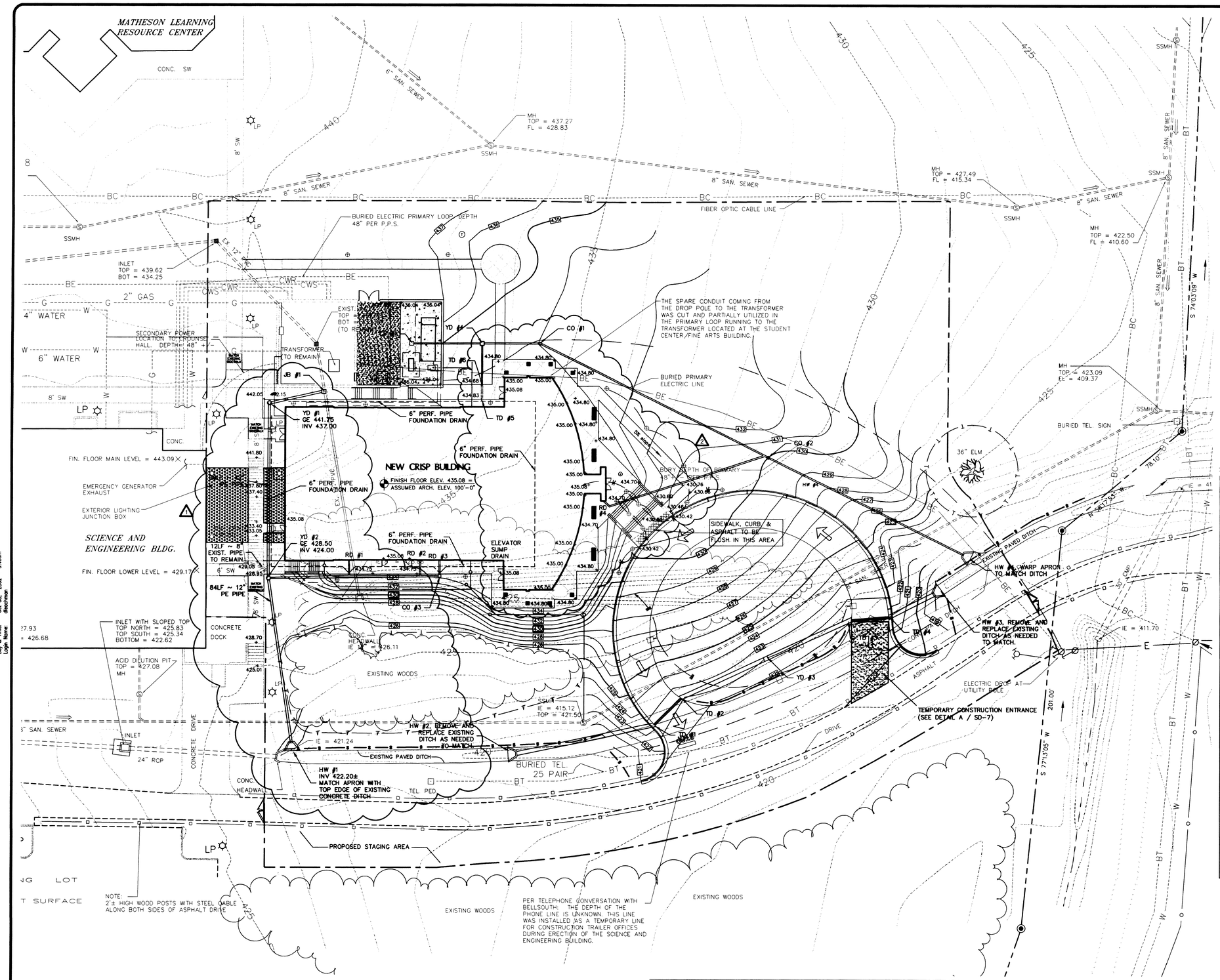

GENERAL NOTES

1. THE GEOTECHNICAL REPORT INDICATES THAT ADEQUATE TOPSOIL IS AVAILABLE ONSITE. THE CONTRACTOR WILL BE REQUIRED TO STOCKPILE TOPSOIL IN SUITABLE QUANTITY AND QUALITY THROUGHOUT THE SITE, AS SPECIFIED IN THE LANDSCAPING PORTION OF THE SPECIFICATIONS.

2. ALL LENGTHS OF STORM SEWER PIPING ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PIPE MATERIALS AS NECESSARY TO COMPLETE THE STORM SEWER SYSTEM AS INDICATED OR REQUIRED.

3. ALL STORM SEWER TRENCHING SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

4. AREAS THAT WILL SUPPORT FOUNDATIONS, FLOORS, PAVEMENTS, OR NEW ENGINEERED FILL SHALL BE PROPERLY PREPARED AS SPECIFIED. ALL TOPSOIL AND OTHER UNSUITABLE MATERIALS SHALL BE REMOVED. UNSUITABLE MATERIALS INCLUDE FROZEN SOIL, SOFT UNSTABLE MATERIAL AND MISCELLANEOUS FILL.

5. PRIOR TO CONSTRUCTION OR THE PLACEMENT OF NEW ENGINEERED FILL, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE PROJECT GEOTECHNICAL ENGINEER. THE EVALUATION SHALL INCLUDE PROOFROLLING OF THE EXPOSED SUBGRADE. IF UNSUITABLE MATERIALS AREA DISCLOSED, AN APPROPRIATE REMEDIAL MEASURE WOULD BE RECOMMENDED BY THE GEOTECHNICAL ENGINEER AT THAT TIME.

6. CARE MUST BE EXERCISED DURING GRADING AND FILL PLACEMENT OPERATIONS. THE COMBINATION OF CONSTRUCTION EQUIPMENT TRAFFIC AND EXCESS SURFACE MOISTURE CAN CAUSE PUMPING AND DETERIORATION OF THE NEAR SURFACE SOILS. THE SEVERITY OF THIS POTENTIAL PROBLEM DEPENDS TO A GREAT EXTENT ON THE WEATHER CONDITIONS PREVAILING DURING CONSTRUCTION. THE CONTRACTOR MUST EXERCISE DISCRETION WHEN SELECTING EQUIPMENT SIZES AND ALSO MAKE A CONCERTED EFFORT TO CONTROL SURFACE WATER WHILE THE SUBGRADE SOILS ARE EXPOSED. IF SUCH PROBLEMS DO ARISE, THE GEOTECHNICAL ENGINEER SHOULD BE CONTACTED TO EVALUATE THE CONDITION.

7. ENGINEERED FILL PLACEMENT AND COMPACTION OPERATIONS SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE. FIELD DENSITY TESTS MUST BE PERFORMED ON EACH LIFT AS NECESSARY TO CHECK THAT THE SPECIFIED COMPACTION IS BEING ACHIEVED

8. THE ON SITE SOILS SHOULD BE SUITABLE TO USE AS ENGINEERED FILL MATERIAL. STANDARDIZING PROCTOR TESTS SHALL BE RUN ON EACH OF THE ON SITE MATERIALS PRIOR TO CONSTRUCTION.

9. COMPACTION OF ANY FILL BY FLOODING SHALL NOT BE PERMITTED. DURING WET AND RAINY PERIODS, AERATION IS OFTEN NECESSARY TO BRING THE FILL MATERIALS TO THE REQUIRED MOISTURE CONDITION. DURING, DRY PERIODS, WATER MAY NEED TO BE ADDED TO BRING THE SOILS UP TO THE PROPER MOISTURE CONTENT FOR COMPACTION. THE ON SITE CLAY SOILS MAY REQUIRE AERATION EVEN DURING DRY PERIODS. FILL MATERIAL SHALL NOT BE PLACED OVER FROZEN OR SATURATED MATERIALS, EITHER NATURAL OR FILLED.

10. TOPSOILING AND GRASSING OF THE SITE SHALL BE COMPLETED AS SOON AS POSSIBLE AFTER GRADING IS FINISHED. NO AREAS SHALL BE LEFT BARE FOR LONGER THAN TWO (2) WEEKS. IF FINAL TOPSOILING AND GRASSING CAN NOT BE DONE IN THIS TIME PERIOD, TEMPORARY SEEDING SHALL BE PROVIDED AS DESCRIBED IN THE EROSION CONTROL NOTES.

UTILITIES AND JOB SITE SAFETY

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY DURING CONSTRUCTION. JOB SITE SAFETY IS OUTSIDE THE SCOPE OF WORK OF SHERMAN CARTER BARNHART (SCB). NEITHER THE PROFESSIONAL ACTIVITIES OR THE PRESENCE OF SCB EMPLOYEES OR SUBCONSULTANTS AT THE CONSTRUCTION SITE SHALL RELIEVE THE CONTRACTOR OR ANY OTHER ENTITY OF THEIR OBLIGATION, DUTIES, AND RESPONSIBILITIES INCLUDED, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCES, TECHNIQUES, TO PROCEDURES NECESSARY FOR PERFORMING SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH AND SAFETY PRECAUTIONS REQUIRED BY GOOD CONSTRUCTION PRACTICES OR ANY REGULATORY AGENCIES. ANYONE USING INFORMATION FROM THESE PLANS ACKNOWLEDGES AND WARRANTS THAT SHERMAN CARTER BARNHART IS NOT RESPONSIBLE FOR SITE SAFETY IN ANY WAY.

THE UTILITIES ARE SHOWN ON THE DRAWINGS AS ACCURATELY AS THEY HAVE BEEN PROVIDED TO THE ARCHITECT. THEIR LOCATIONS ARE NOT GUARANTEED. IT IS THE CONTRACTORS RESPONSIBILITY TO HAVE ALL UTILITIES FIELD LOCATED. THE CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES PRIOR TO STARTING CONSTRUCTION. THE UTILITIES SHOWN REPRESENT OBSERVABLE FEATURES ALONG WITH INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES, AND IS THEREFORE NOT WARRANTED. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO FIELD VERIFY ALL UTILITY LOCATIONS, SIZES, TYPE ETC. NEEDED TO COMPLETE THE WORK OF THE CONTRACT.

THE CONTRACTOR IS TO HAVE ALL UTILITIES FIELD LOCATED PRIOR TO BEGINNING CONSTRUCTION.

THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IF A PROBLEM COULD EXIST. IF THE CONTRACTOR PROCEEDS WITHOUT CONTACTING THE UTILITY COMPANIES AND DOES NOT NOTIFY THE ARCHITECT OF POTENTIAL PROBLEMS HE DOES SO AT HIS OWN RISK.

STORM SEWER SCHEDULE

KEY	DESCRIPTION	DETAIL	PIPE LENGTH	PIPE SLOPE	PIPE SIZE	PIPE TYPE	ELEVATIONS GRATE	ELEVATIONS INV.	REMARKS
JB #1	JUNCTION BOX RDX-001						–	432.11±	VERIFY INV. IN FIELD KY. T.C. # RDX-001
YD #1	YARD DRAIN	E / SD-7	28'	1.00%	12"	PE	441.75	437.00	
YD #2	YARD DRAIN	E / SD-7	53'	6.13%	12"	PE	428.5	424.00	
HW #1	HEADWALL	D / SD-7	60'	1.00%	12"	PE	–	422.20±	8 TONS CL II CHAN. LINING
CO #3	CLEANOUT	C / SD-7	86'	9.3%	12"	PE	–	432.00±	
YD #2	YARD DRAIN	E / SD-7					428.50	424.00	
CB #1	CATCH BASIN	H / SD-7	36'	6.94%	12"	PE	435.50	432.50	
YD #4	YARD DRAIN	E / SD-7	30'	3.33%	12"	PE	434.33	430.00	
CO #1	CLEANOUT	C / SD-7	128'	1.56%	12"	PE	434.00	429.00	
CO #2	CLEANOUT	C / SD-7	110'	10.0%	12"	PE	430.00	427.00	
HW #4	HEADWALL	D / SD-7					–	416.00±	VERIFY INV. IN FIELD MATCH EXIST. DITCH
HW #2	HEADWALL	D / SD-7					–	419.71±	VERIFY INV. IN FIELD MATCH EXIST. DITCH
TD #1	TRENCH DRAIN	G / SD-7	70'	1.14%	24"	BCCMP	422.60	418.91	
TD #2	TRENCH DRAIN	G / SD-7	22'	1.14%	24"	BCCMP	422.15	418.66	
YD #3	YARD DRAIN	E / SD-7	45	1.14%	24"	BCCMP	422.00	418.15	
TD #3	TRENCH DRAIN	G / SD-7	45	1.14%	24"	BCCMP	421.15	417.64	
TD #4	TRENCH DRAIN	G / SD-7	22'	1.14%	24"	BCCMP	421.05	417.39	
HW #3	HEADWALL	D / SD-7	25'	1.14%	24"	BCCMP	–	417.16±	VERIFY INV. IN FIELD MATCH EXIST. DITCH
TD #5	TRENCH DRAIN	J / SD-7					434.83	434.33	
TD #6	TRENCH DRAIN	J / SD-7	8'	1.88%	6"	PE	434.68	434.18	
YD #4	YARD DRAIN	E / SD-7	20'	20.9%	6"	PE	434.33	430.00	
RD #4	ROOF DRAIN	–					–	431.20	COORDINATE W/ MECH. VERIFY ELEV. & LOC.
CO #2	CLEANOUT	C / SD-7	85'	4.94%	6"	PE	430.00	427.00	

NOTE: ELEVATOR SUMP DRAIN AND RD #2 – SLOPE PIPE TO PROVIDE POSITIVE DRAINAGE. MITER CUT END OF PIPE TO CONFORM TO GRADE. ATTACH 1" SQUARE MESH RODENT SCREEN TO END OF PIPE. ALL ROOF DRAINS ARE TO BE CONNECTED TO STORM SEWERE SYSTEM.

LEGEND

- LIMITS OF CONSTRUCTION / SEEDING
- TREE PROTECTION FENCING – SEE SHEET SD-1
- SILT FENCE
- EXISTING 1' CONTOUR
- 417 EXISTING 5' CONTOUR
- 431 PROPOSED 1' CONTOUR
- 430 PROPOSED 5' CONTOUR
- X 440.00 PROPOSED SPOT ELEVATION (AT GUTTER LINE – ADD 6" FOR TOP OF CURB ELEVATION).

SITE GRADING AND DRAINAGE

SCALE: 1" = 20'-0"

10 0 20 80

SCALE IN FEET

NOTE:

PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS, AND NOTIFYING THE KENTUCKY DIVISION OF WATER IN WRITING OF INTENT TO DISTURB. ALL DOCUMENTATION FOR PERMITTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. EROSION CONTROL SHALL BE PROVIDED AS REQUIRED BY GOVERNING AUTHORITIES, AT NO ADDITIONAL COST TO THE OWNER, WHETHER THEY APPEAR ON THIS PLAN OR NOT.

EROSION CONTROL NOTES

(NOTE: THE EROSION CONTROL MEASURES NOTED BELOW ARE MINIMUMS AND DO NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR COMPLIANCE WITH ANY AND ALL U.S. EPA AND / OR KENTUCKY DIVISION OF WATER REQUIREMENTS.)

1. CONTRACTOR SHALL PROVIDE SILT FENCE (SEE DETAIL B / SD-7) IN ALL LOCATIONS ON PLAN SHOWN

2. EROSION CONTROL AROUND BOUNDARY SHALL BE INSTALLED BEFORE ANY CLEARING OR GRADING IS BEGUN.

3.IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREVENT EROSION ONTO ADJACENT PROPERTY. ANY REMEDIAL MEASURES REQUIRED TO CORRECT DAMAGE CREATED BY EROSION SHALL BE AT THE CONTRACTOR'S EXPENSE.

4. CONTRACTOR SHALL PROVIDE DIVERSION DITCHES AS REQUIRED TO MINIMIZE RUNOFF AND CONTROL EROSION, TO MEET GOVERNING AUTHORITY REQUIREMENTS. PROVIDE TEMPORARY RIP RAP STABILIZATION AT ALL DIVERSION DITCHES TO BE REMOVED AT THE COMPLETION OF CONSTRUCTION.

5. ALL AREAS DISTURBED BY GRADING THAT ARE NOT STABILIZED WITH OTHER METHODS FOR A PERIOD OF 14 DAYS SHALL HAVE TEMPORARY VEGETATIVE COVER PROVIDED. SUCH COVER SHALL BE ANNUAL GRASSES OR SMALL GRAINS, AS THE SEASON PERMITS.

6. REMOVE ALL EROSION CONTROL DEVICES UPON THE ESTABLISHMENT OF PERMANENT GROUND COVER.

Paducah Community College – Crisp
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Day & Time: Oct 08, 2002 – 9:43am
Login Name: dtoothman

Crisp Building Replacement
Paducah Community College

SITE GRADING AND DRAINAGE

RECORD DRAWING-SEPTEMBER 23, 2002

Sherman·Carter·Barnhart PSC
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JOB NO.	0044
DATE	FEBRUARY 01, 2001
DRAWN	JBS, DCL, CAH
CHECKED	BKL, JDC

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REVISIONS

1 FIELD ORDER DRAWING NO. 01 07/06/01
2 ARCHITECTS SUPPLEMENTAL INSTRUCTIONS NO. 09 DRAWING #01 07/06/01

SHEET

SD-2

Caption Sites Document # 174 A-1 23139